

Montana Drought Status

Troy Blandford

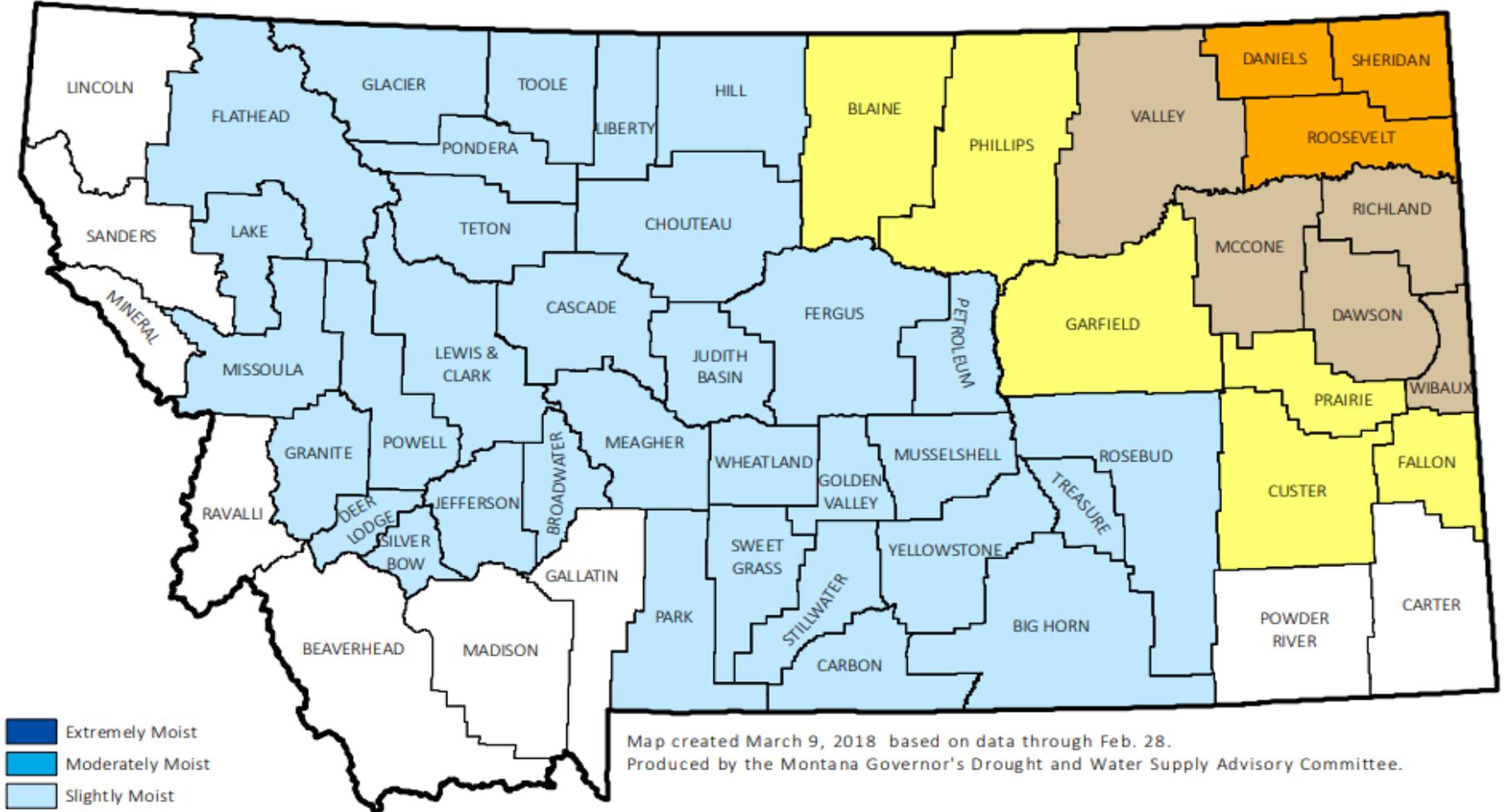
Montana State Library

Water Information System

Prepared for the Montana Governor's Drought and Water Supply Advisory Committee, March 20, 2018

Drought Status by County March 1

Montana Drought Status by County - March 1, 2018



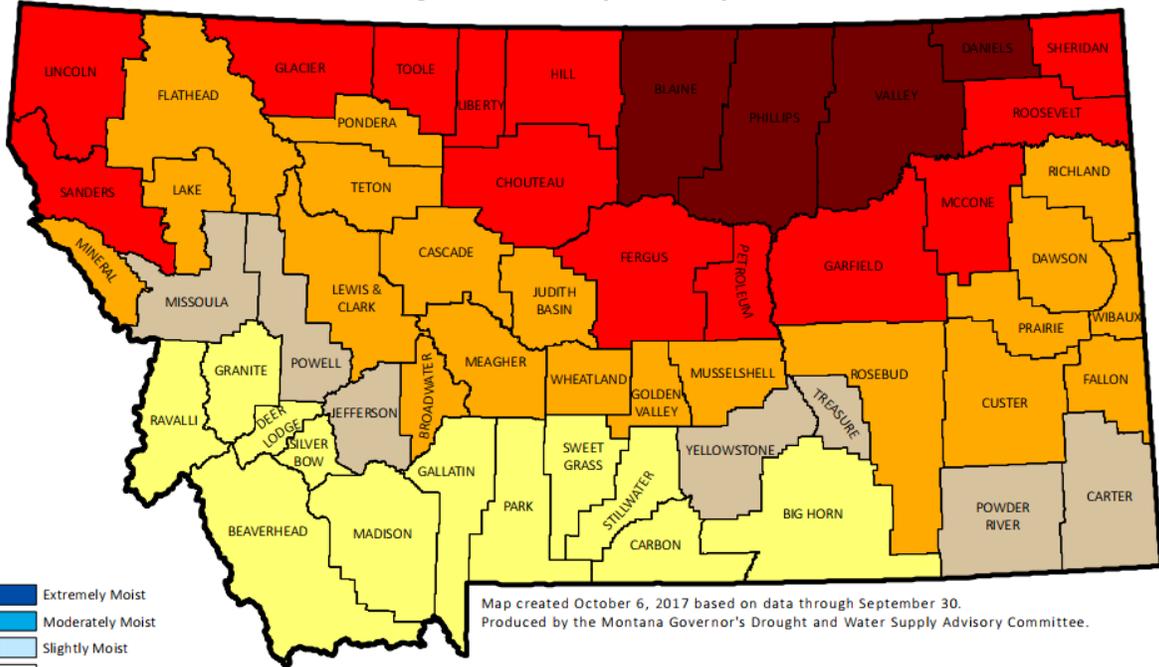
Map created March 9, 2018 based on data through Feb. 28.
Produced by the Montana Governor's Drought and Water Supply Advisory Committee.

- Extremely Moist
- Moderately Moist
- Slightly Moist
- Near Average
- Slightly Dry (D0)
- Moderately Dry (D1)
- Severely Dry (D2)
- Extremely Dry (D3)
- Exceptionally Dry (D4)



October 1

Montana Drought Status by County - October 1, 2017



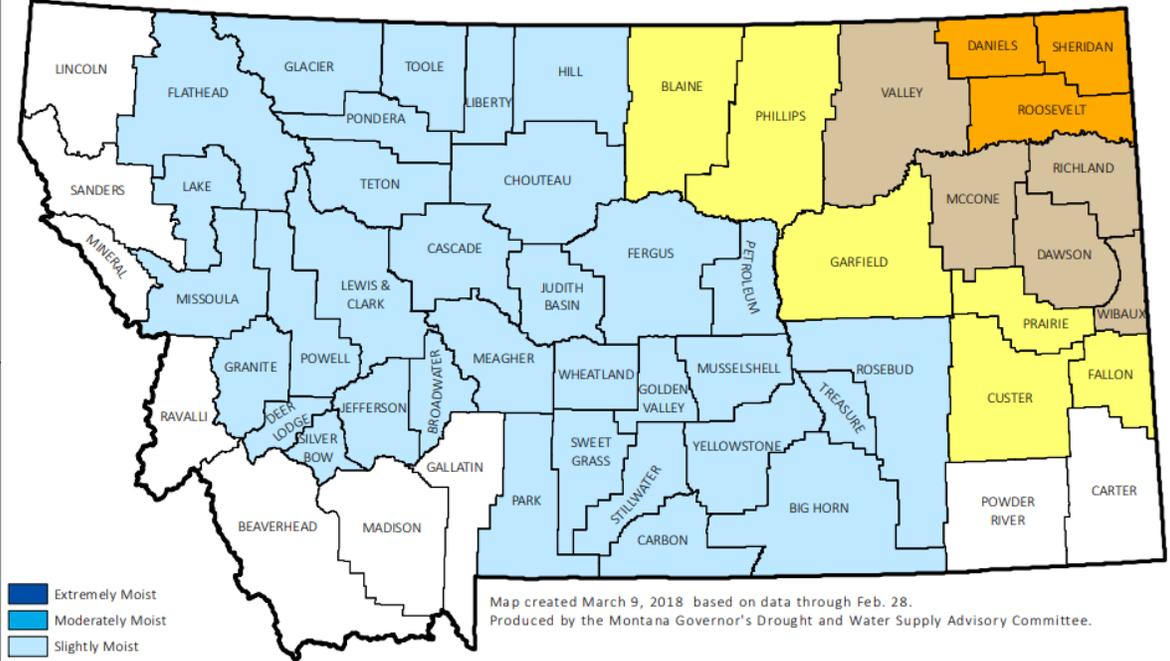
Map created October 6, 2017 based on data through September 30.
Produced by the Montana Governor's Drought and Water Supply Advisory Committee.



More information:

March 1

Montana Drought Status by County - March 1, 2018



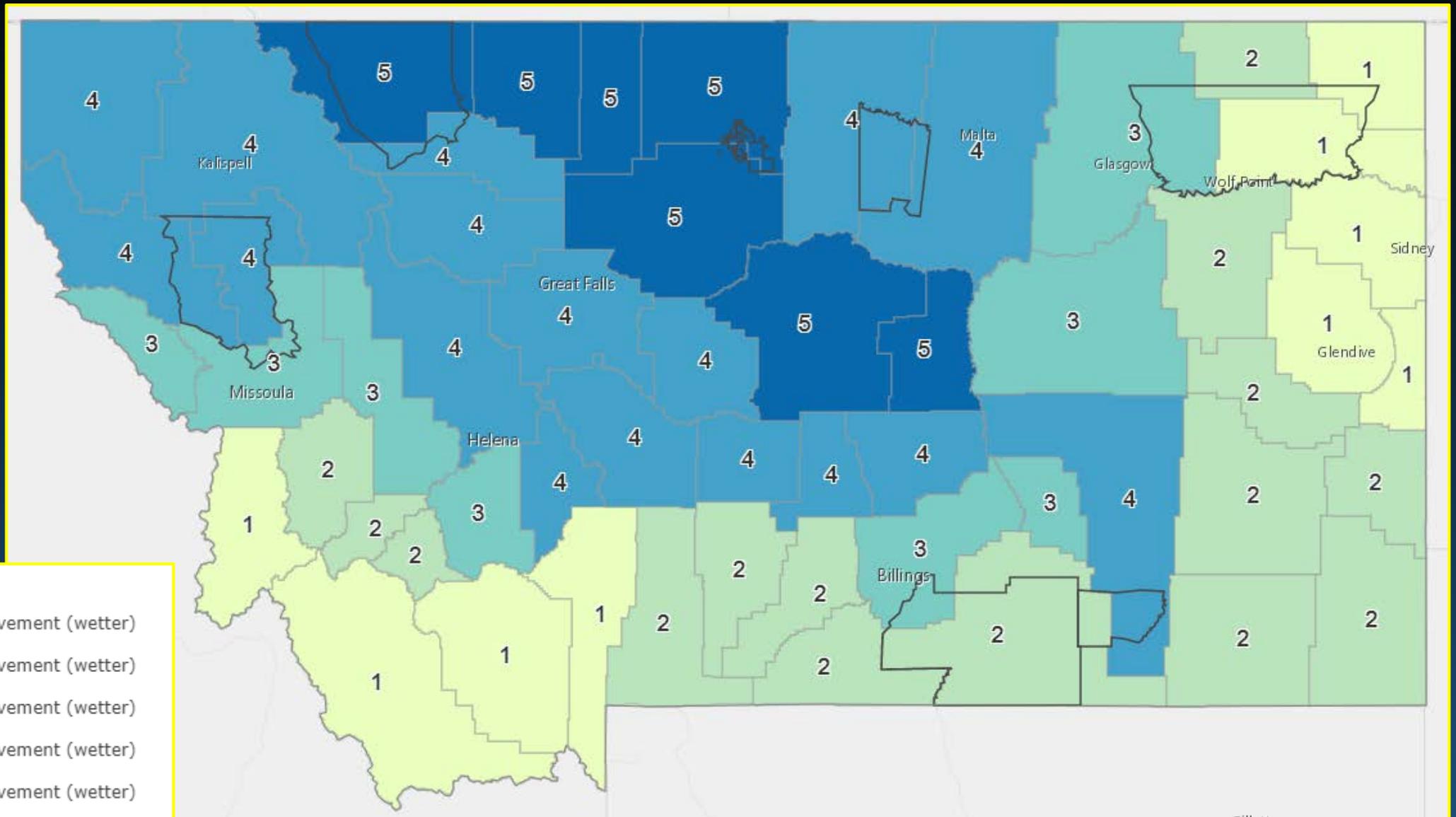
Map created March 9, 2018 based on data through Feb. 28.
Produced by the Montana Governor's Drought and Water Supply Advisory Committee.



<http://www.drought.mt.gov>

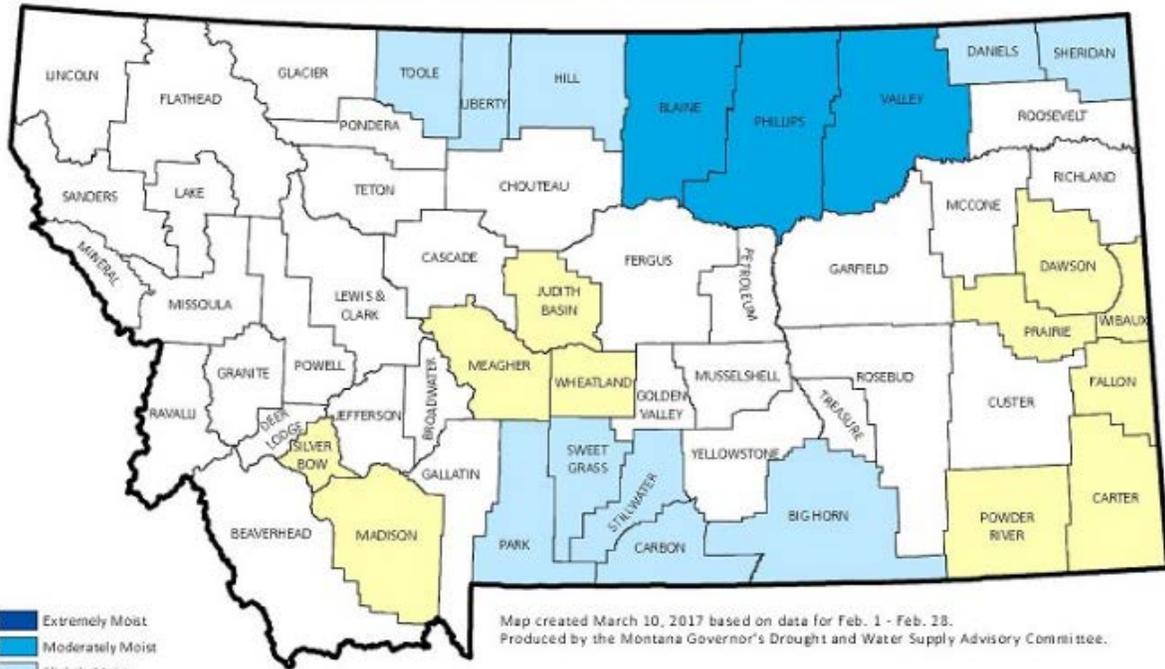
<http://www.nris.mt.gov/drought>

Change in Drought Status (October map minus March map)



March 2017

Montana Drought Status by County - March 1, 2017

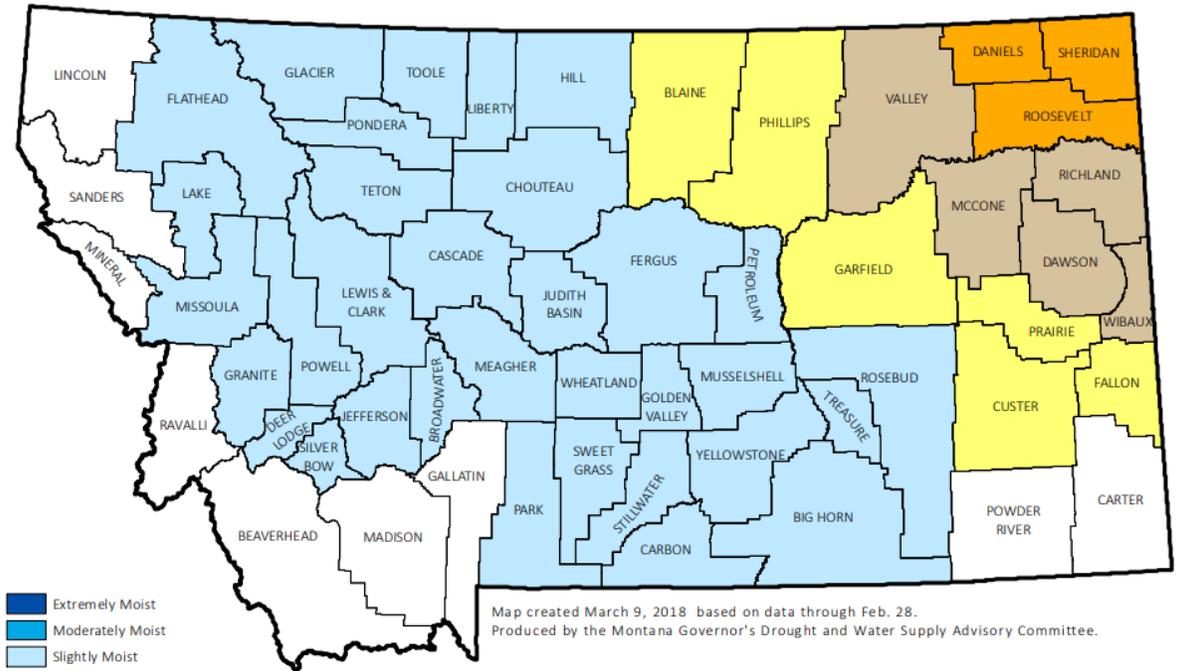


More information: <http://drought.mt.gov>

<http://nris.mt.gov/drought>

March 2018

Montana Drought Status by County - March 1, 2018

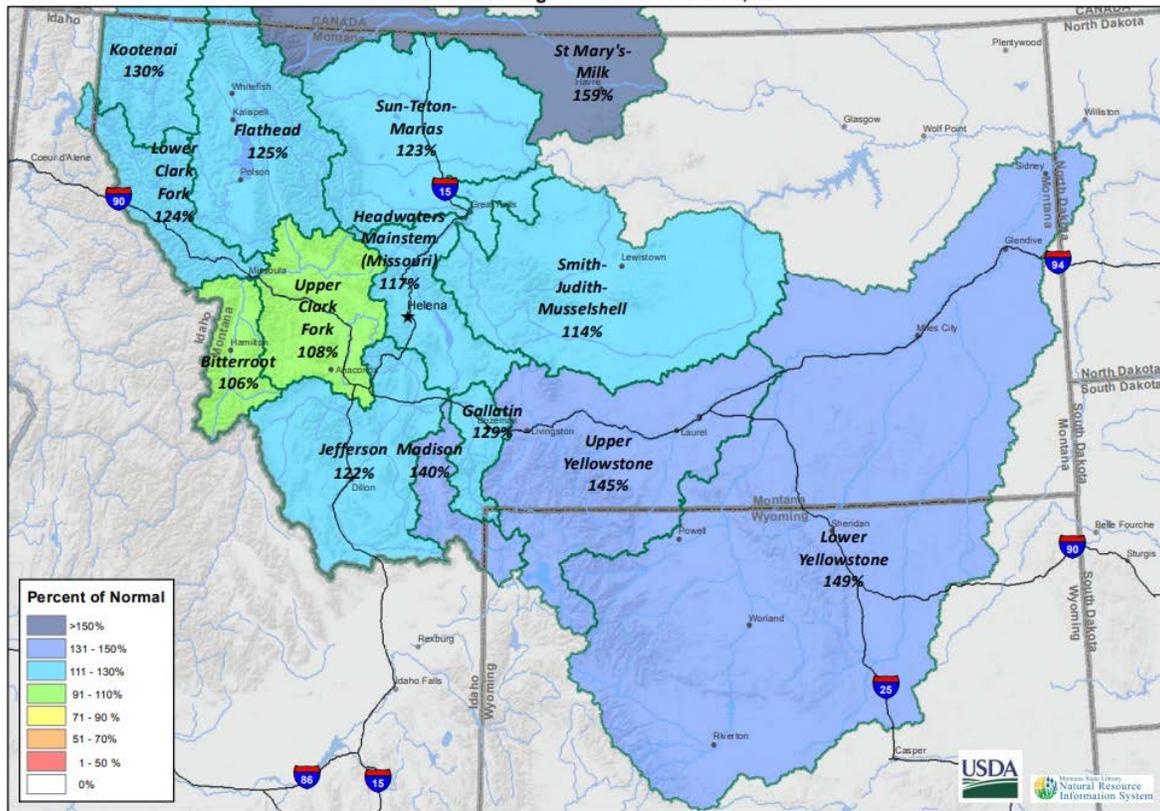


<http://www.drought.mt.gov>

<http://www.nris.mt.gov/drought>

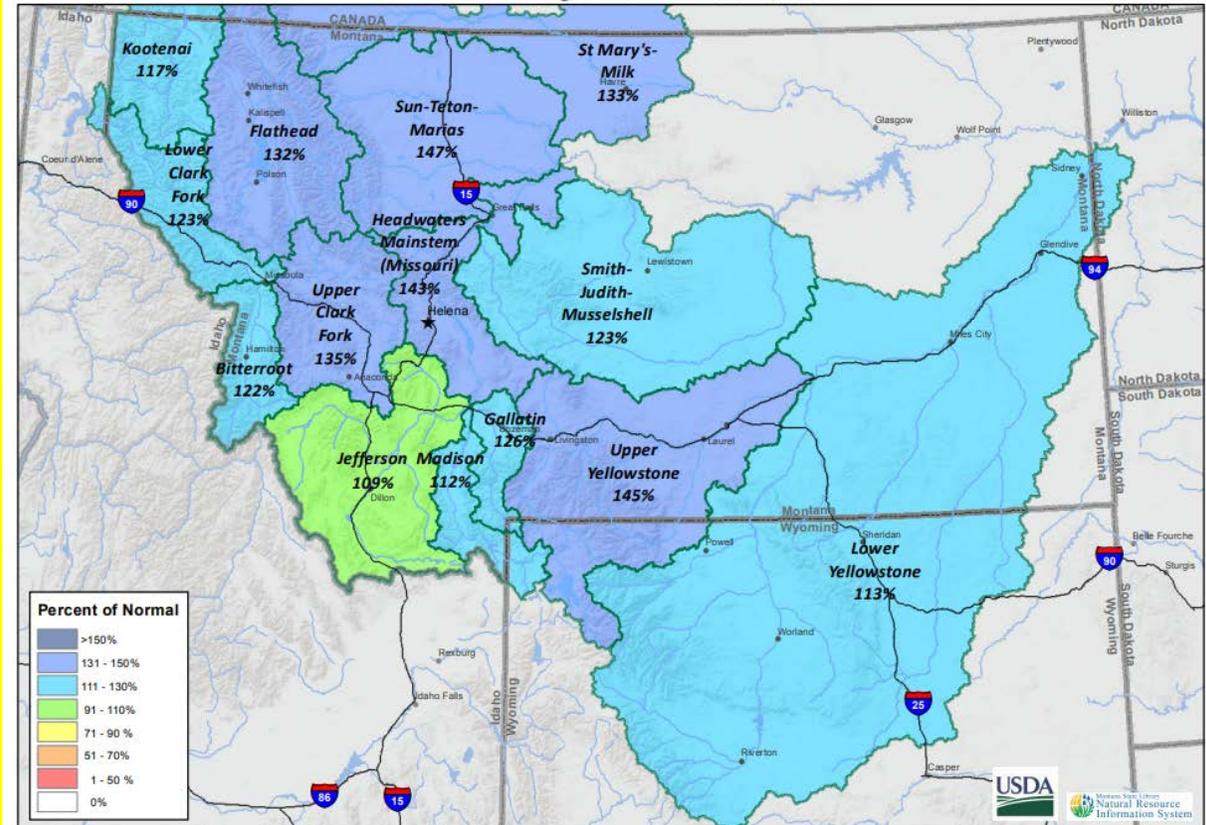
March 2017

Montana Data Collection Office
Water Year to Date Precipitation
Basin Percentage of Normal - March 1, 2017

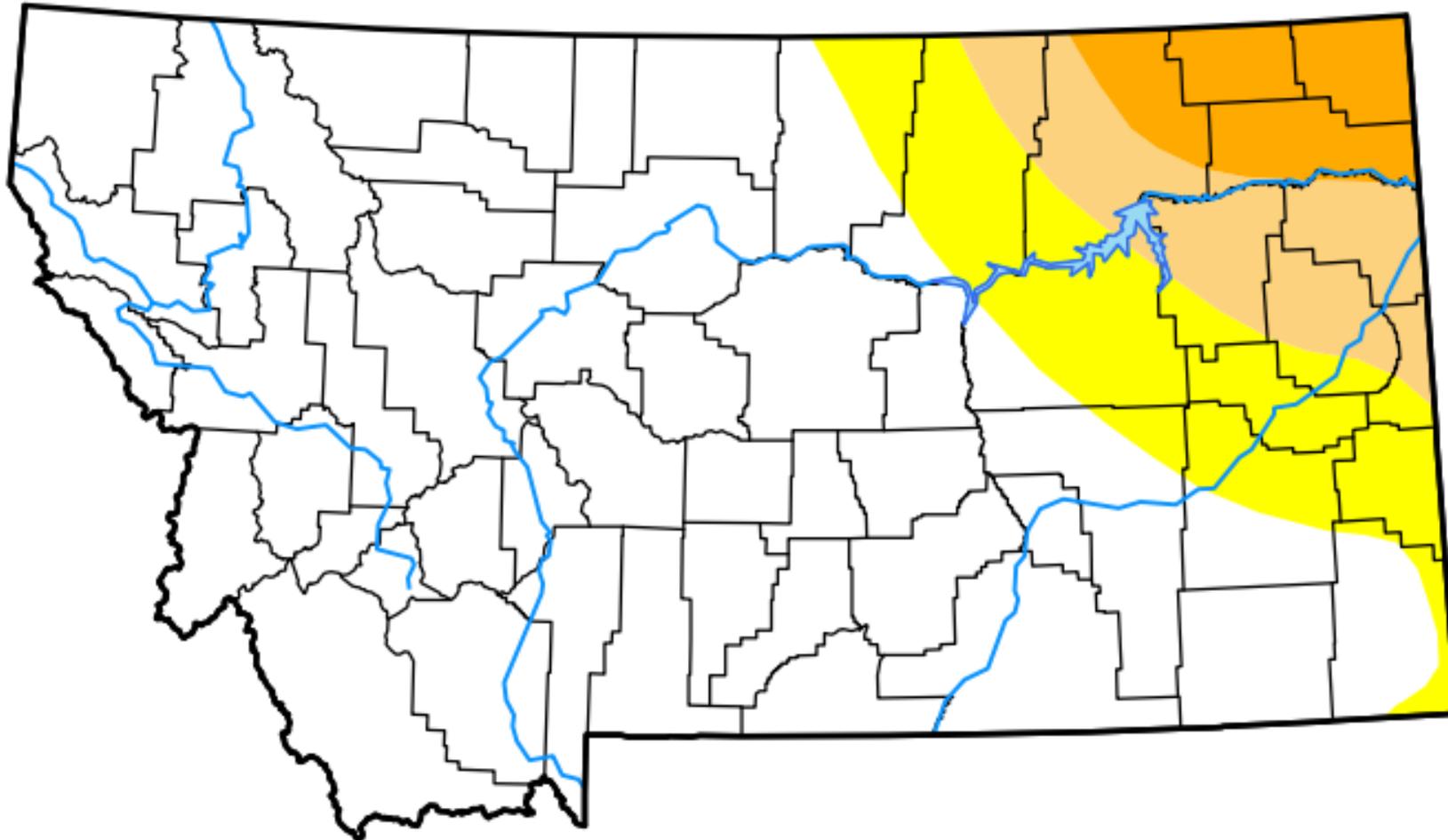


March 2018

Montana Data Collection Office
Water Year to Date Precipitation
Basin Percentage of Normal - March 1, 2018



US Drought Monitor March 15, 2018



Intensity:

-  D0 Abnormally Dry
-  D1 Moderate Drought
-  D2 Severe Drought
-  D3 Extreme Drought
-  D4 Exceptional Drought

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.

Author:

Richard Tinker
CPC/NOAA/NWS/NCEP

U.S. Drought Monitor Montana

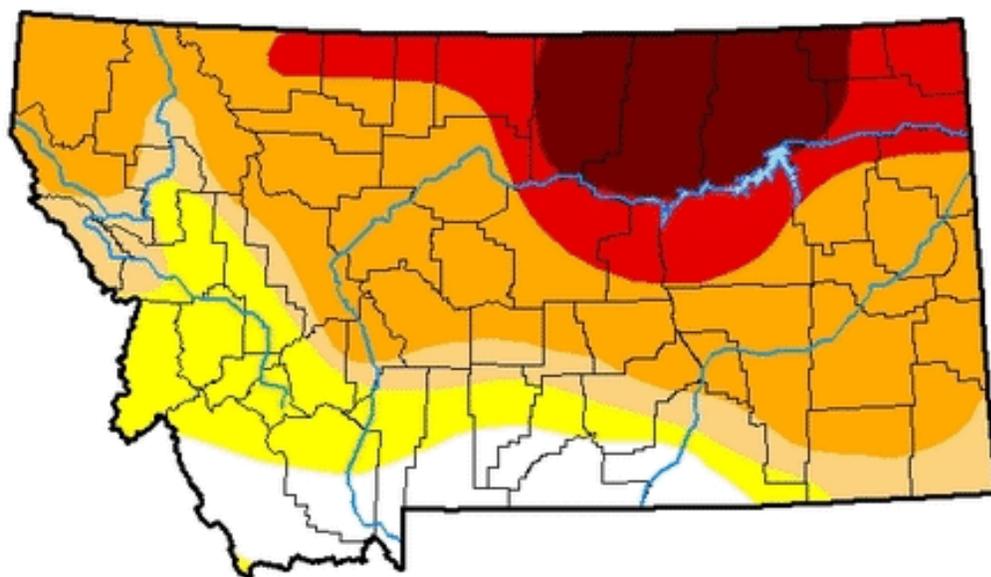
October 3, 2017

(Released Thursday, Oct. 5, 2017)

Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	9.59	90.41	76.49	65.77	23.40	10.19
Last Week <i>09-26-2017</i>	6.48	93.52	86.08	69.62	42.74	17.53
3 Months Ago <i>07-04-2017</i>	52.28	47.72	42.94	34.93	12.89	0.00
Start of Calendar Year <i>01-03-2017</i>	74.25	25.75	4.87	0.00	0.00	0.00
Start of Water Year <i>09-26-2017</i>	6.48	93.52	86.08	69.62	42.74	17.53
One Year Ago <i>10-04-2016</i>	56.60	43.40	24.24	5.22	0.00	0.00



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- D1 Moderate Drought
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The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.

Author:

Anthony Artusa
NOAA/NWS/NCEP/CPC



<http://droughtmonitor.unl.edu/>

MONTANA DROUGHT IMPACT REPORTER

DROUGHT.MT.GOV

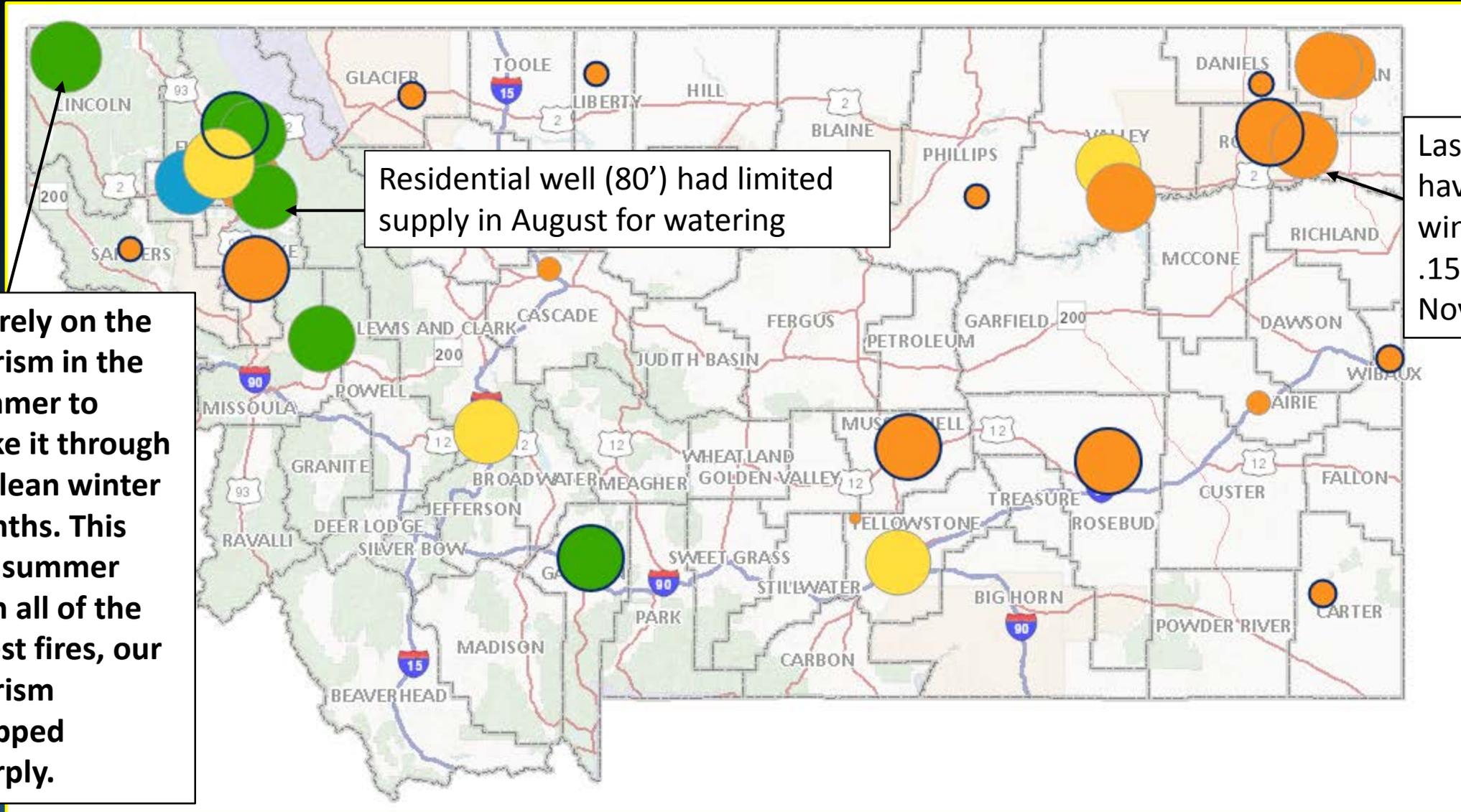
Report on drought conditions in your area with a simple questionnaire

Explore maps and graphs of reported drought impacts

View drought status by county



MT Drought Impact Reporter (28 responses since start of Water Year)



We rely on the tourism in the summer to make it through the lean winter months. This last summer with all of the forest fires, our tourism dropped sharply.

Last two months have been very windy. Had only .15 inches in Nov.

Report from CoCoRaHS participant, - Flathead County submitted Dec. 19

We have 6" of snow tonight but back in August these are the notes from our drought locally observed. Deep root plants along the Flathead Lower Valley continued to grow (Alfalfa, etc) abundantly through Riverside/Creston Flats while the taller grasses and shorter root plants did not fully develop. In Bigfork where we reside we had an ample berry bloom (Raspberry, Blue & Blackberrys) after a rather wet spring but then the fruit on the trees only grew to half size after the rains stopped in mid-June... and were especially hardened. (Pears, Apples) while the Cherry tree hardly bloomed at all. The plums also never put out this summer. Meanwhile, in glacier park, where they had 130% snowpack last year, as recently as June30th an unusually bountiful bloom of Bear grass was observed both by us and National Park rangers we spoke with. The fires on Brown Mountain and Sperry started shortly after these went dormant as well but it was only weeks (2) after the last rains. Superfast.

Montana Drought Impacts (Water Year 2018)

- Summary
- Primary Impact Type
- Agriculture/Livestock
- Crop & Range Conditions
- Domestic/Municipal
- Commercial/Industrial/Institutional
- Fisheries/Wildlife
- Power/Mining/Energy
- Recreation/Tourism
- Observation Photos
- Additional Functionality

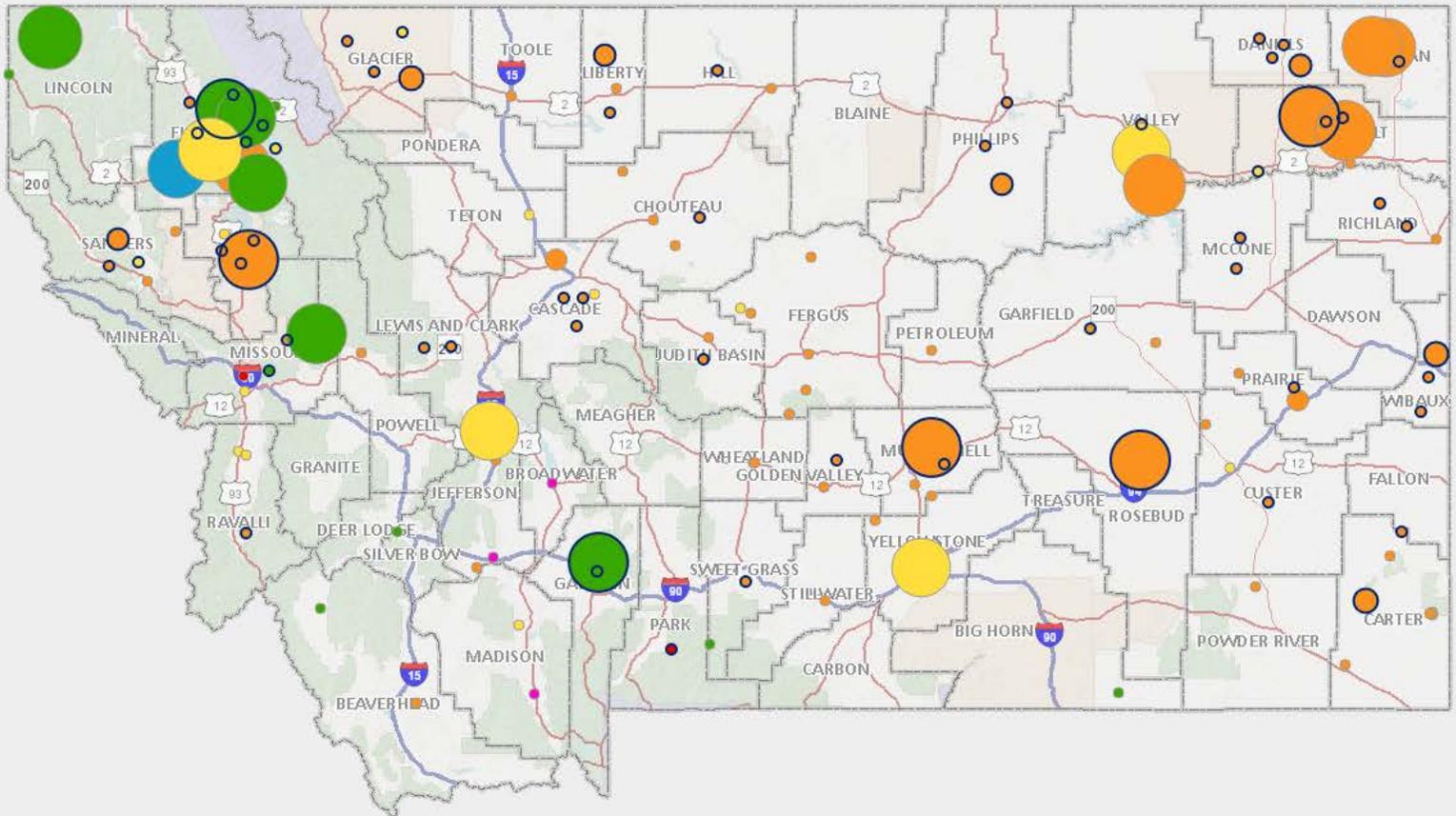
To access the table click on the Content tab, then click on the Show Table icon under Observations. Download a [spreadsheet of drought impact reports](#) (includes all years).

Save Share Print Directions Measure Bookmarks

- About
- Content
- Legend

- Contents
- Manually Mapped to County
 - Observations
 - MontanaBaseMap

+
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Home



Work in Progress

Tell the story of last years drought:

<http://montana.maps.arcgis.com/apps/Cascade/index.html?appid=6ddb28f332e449928ba4b145ccd50cdf>

Discussion/Questions