

Montana Drought Status by County

Troy Blandford

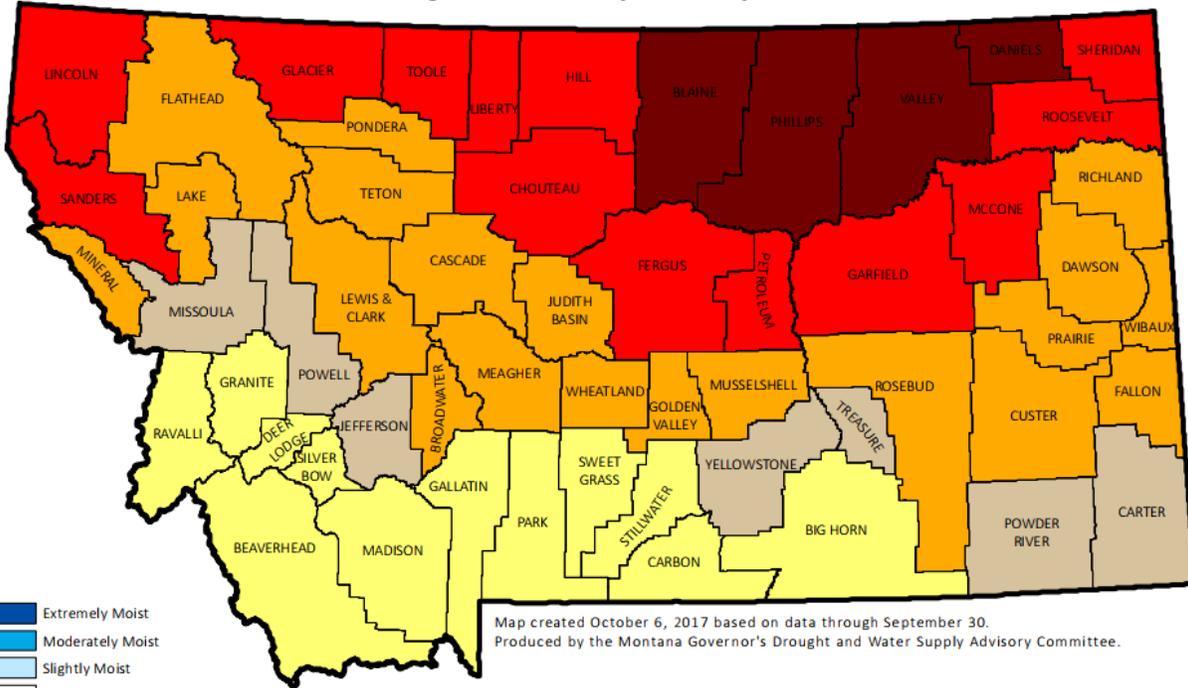
Montana State Library

Water Information System

Prepared for the Montana Governor's Drought and Water Supply Advisory Committee, November 2, 2017

October 1

Montana Drought Status by County - October 1, 2017



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

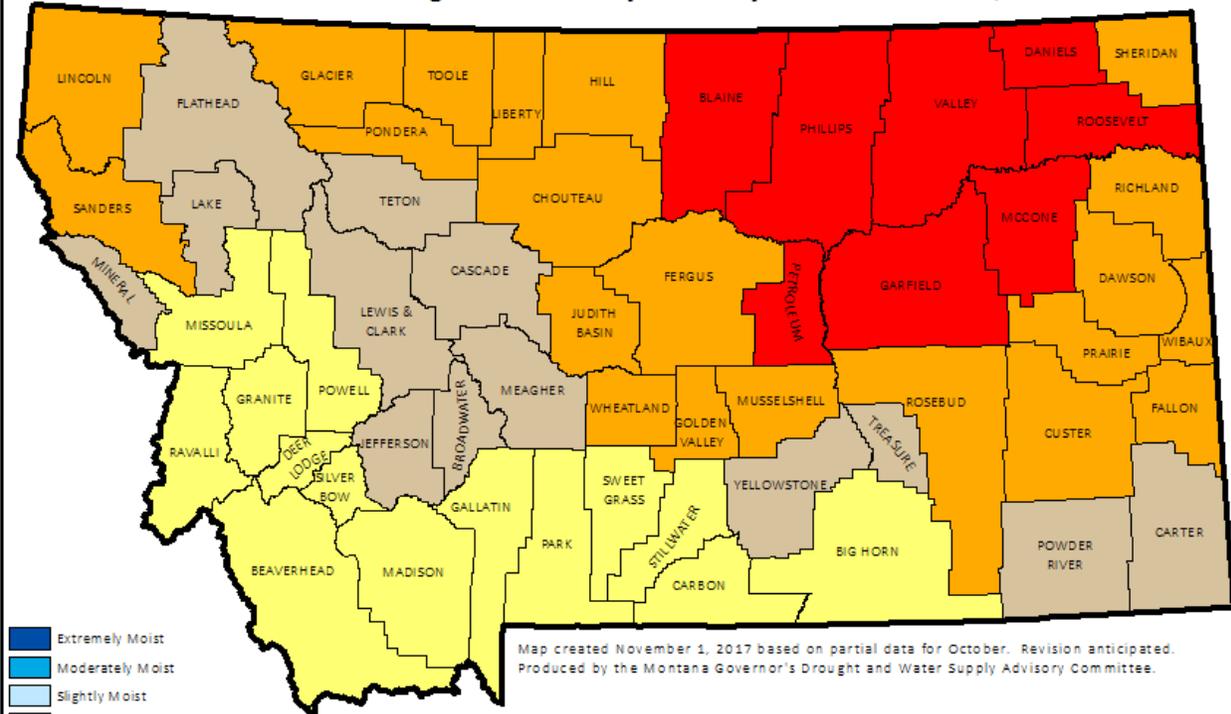
More information:



November 1

Preliminary Draft

Montana Drought Status by County - November 1, 2017



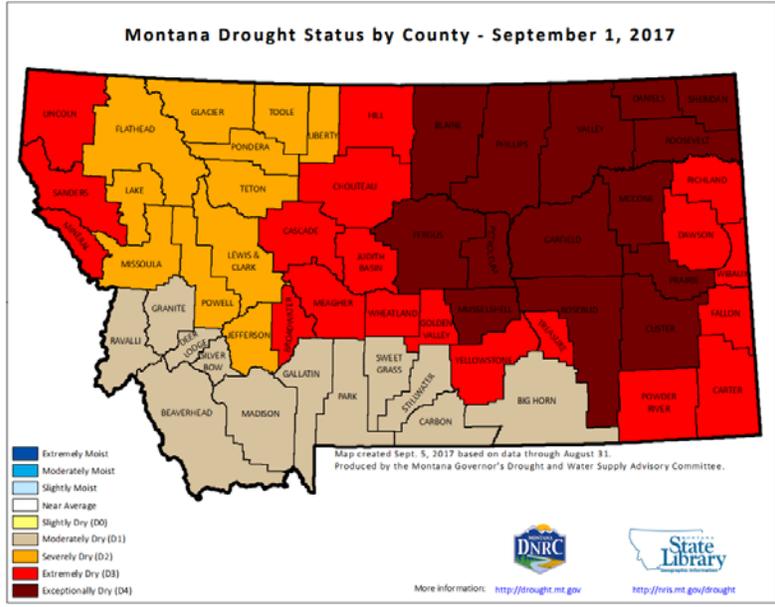
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More information: <http://drought.mt.gov>

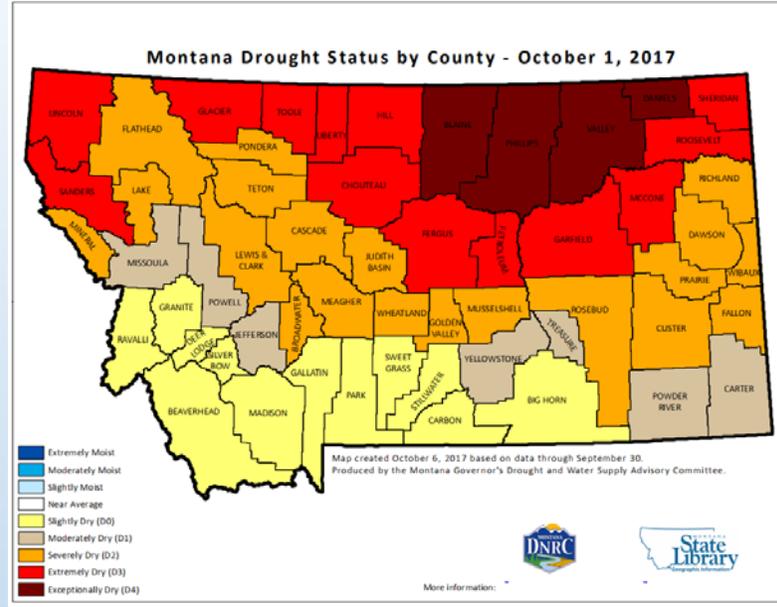


<http://nns.mt.gov/drought>

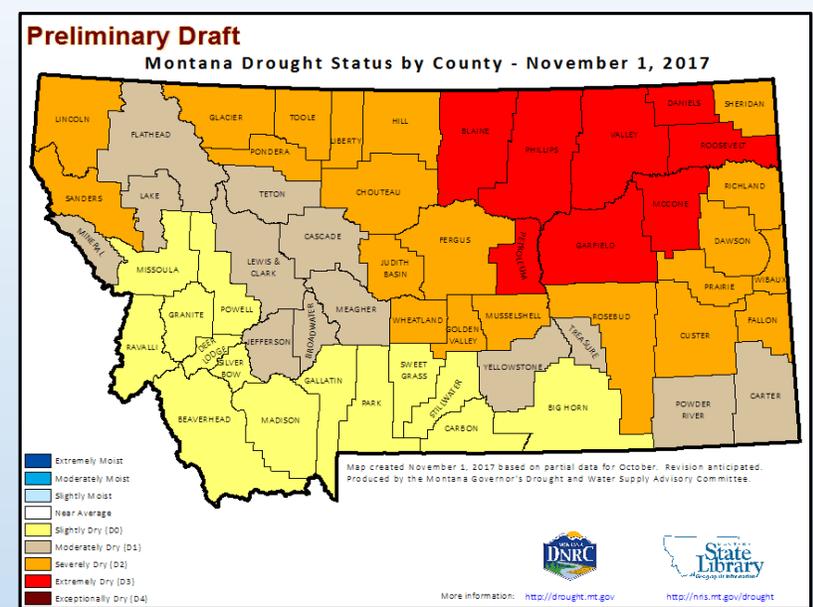
September 1



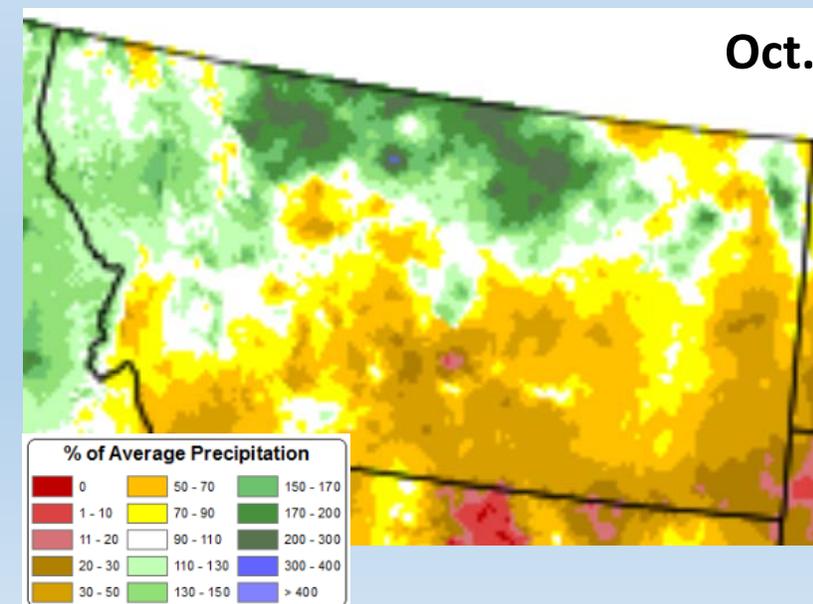
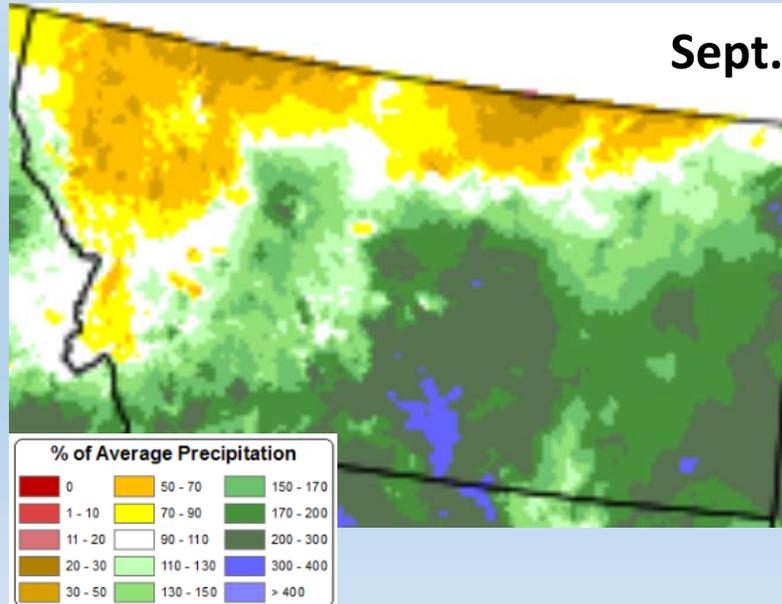
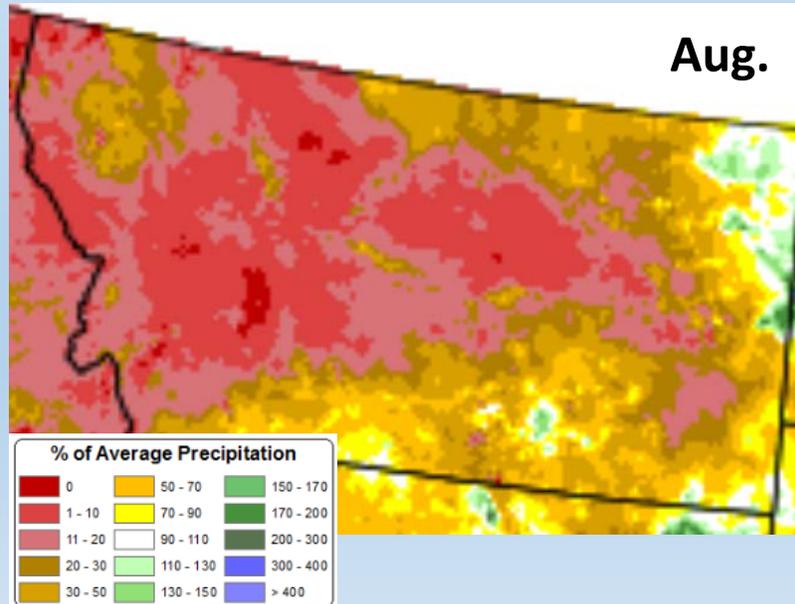
October 1



November 1



Previous month



MT Drought Impacts Reporter

- Released July 13th
 - Live/ongoing
- 149 responses (12 since last DWSAC meeting, Sept 19th)
 - Retake it as conditions change or to report a different location

Need reports as conditions improve too.

Name (optional)
John Smith

Organization (optional)

Email Address (optional)

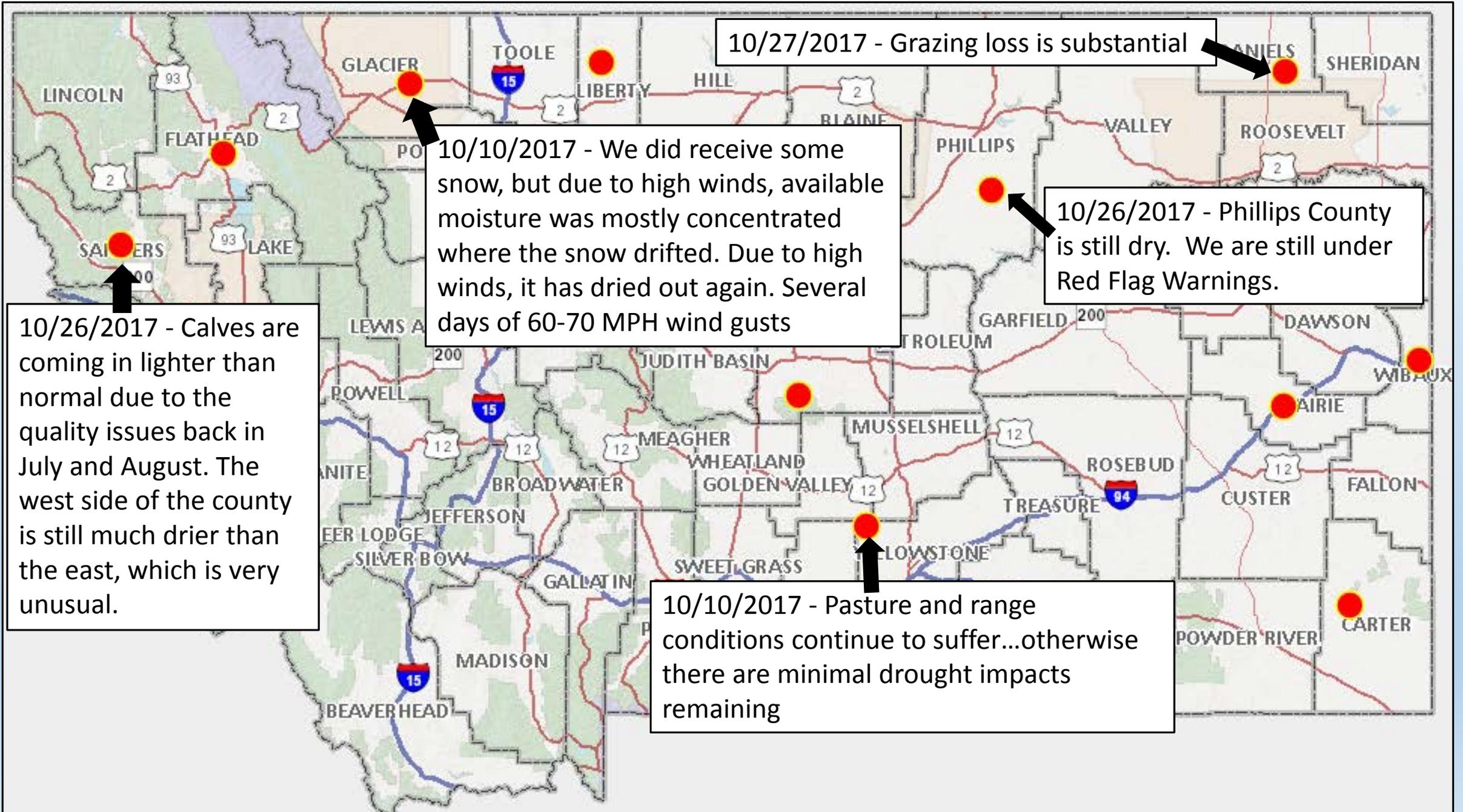
Date *

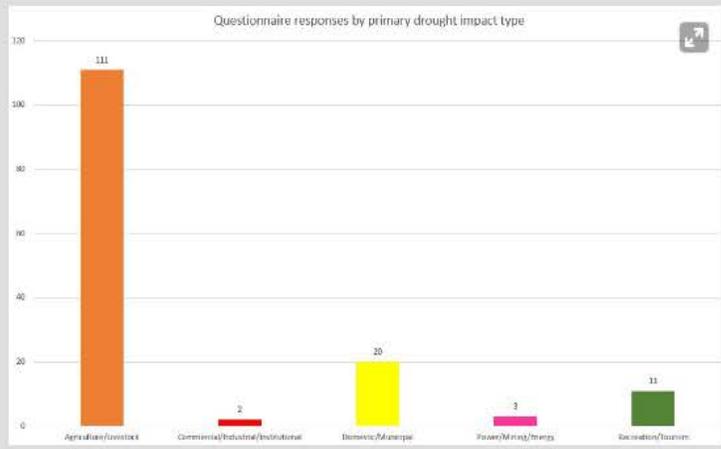
County where observations were made *
(to submit an additional county please submit an additional survey)

Primary Drought Impact Type *
(to submit an additional impact type please submit an additional survey)

How many inches of rain in the last month?
 < 0.5
 0.5-1
 1-1.5
 1.5-2

Drought impact reports (Sept. 18 – Nov. 1) - 12 Ag/Livestock

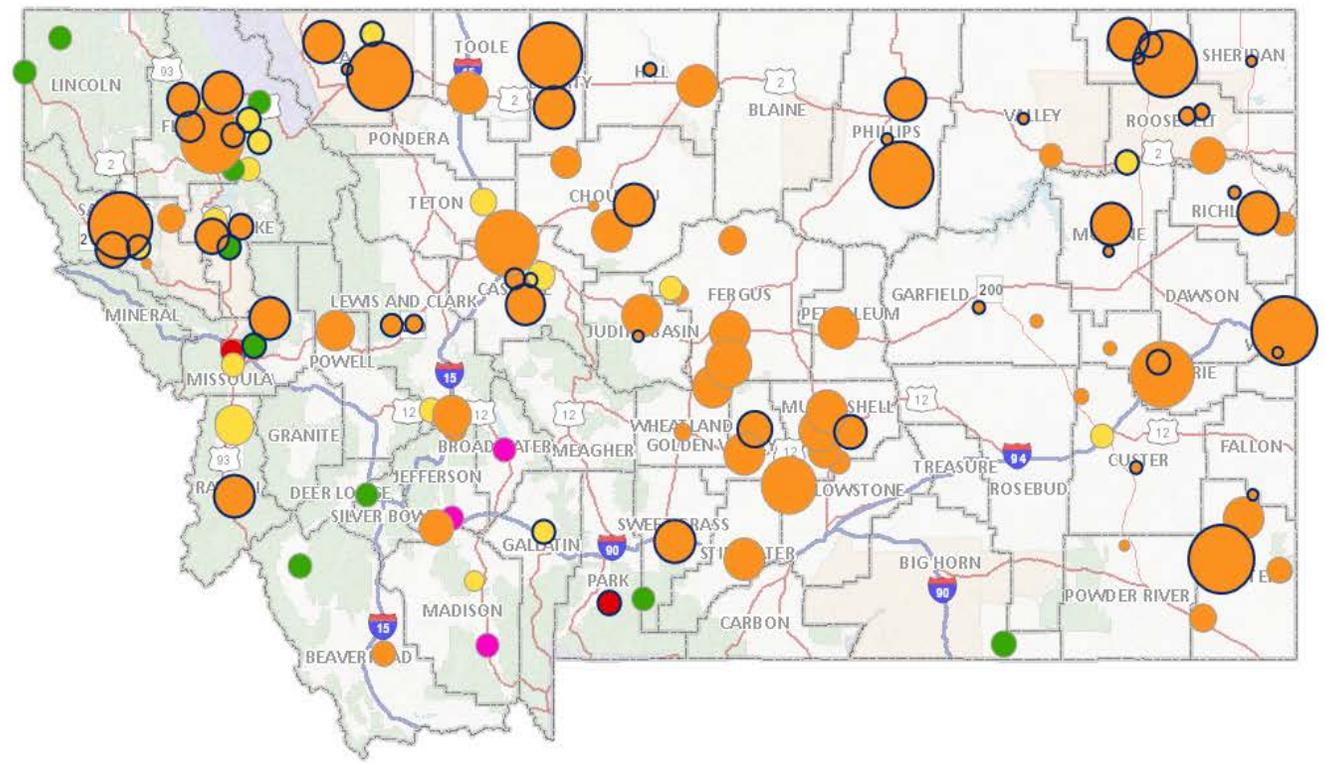




A dark blue outline indicates that the location was mapped manually rather than specified by the user

- Observations**
- Impact Type
- Agriculture/Livestock
 - Domestic/Municipal
 - Commercial/Industrial/Institutional
 - Fisheries/Wildlife
 - Power/Mining/Energy
 - Recreation/Tourism

- Age, in days, from Date to 10/31/2017
- > 109
 - 80
 - 50
 - 30



What's next for the MT Drought Impacts Reporter

- Identify how to better use reports in monthly assessment and communication with US DM
- Additional sources of impacts
 - e.g., news media, agencies, emails...
- Provide Water Year 2017 summary
 - e.g., map lakes/ponds using 2017 imagery and compare to other years
- Coordinate with other states and National Drought Mitigation Center
 - Where is there overlap? How can we share data?



What's next for the DWSAC Monitoring Subcommittee

- Defining Drought Part III
 - How to use soil moisture and vegetation health info?
 - Many resources available...which are best for MT?
- Need to develop approach for looking at resources in combination (objective machine rather than subjective eye)
- If communication with the US Drought Monitor is effective, should the county-based map just be a coarser depiction of the US DM? Should we work towards a finer resolution?

Discussion/Questions