



— BUREAU OF —  
RECLAMATION



# WY Conditions & Outlooks:

*Precipitation, Temperatures, Drought, Floods, & Everything In-between*

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July 28, 2022



— BUREAU OF —  
RECLAMATION



UNIVERSITY  
OF WYOMING  
Extension



# Presentation Outline

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- **Current Conditions:** Overview
  - Streamflow
  - Reservoir Supply
  - Water Calls and Allocations
- **Outlooks:** Temperature & Precipitation
  - Fuels' Status & Wildland Fire Outlook
- **Questions**



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OF WYOMING

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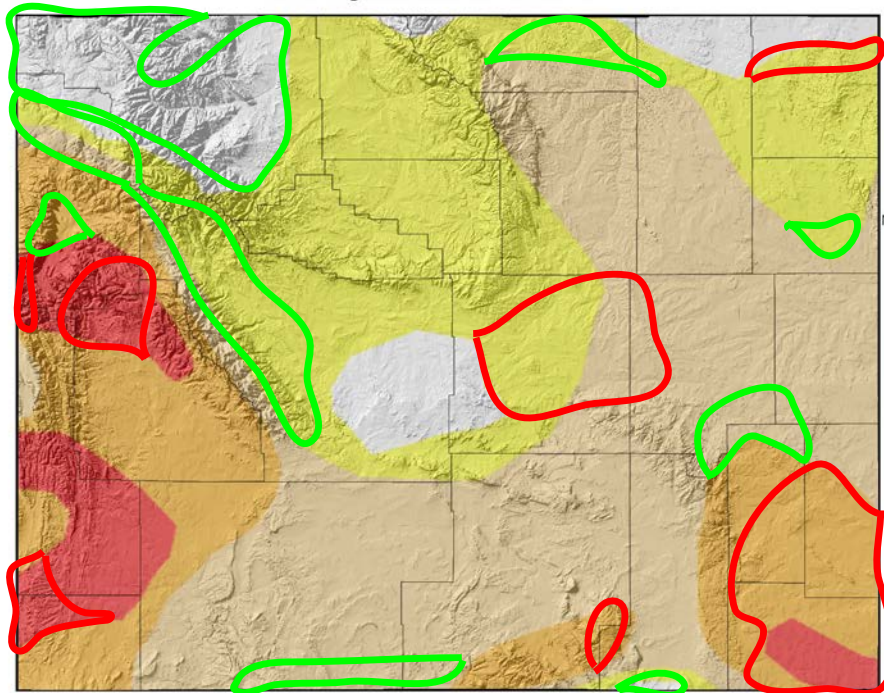
# Current Conditions

# US Drought Monitor for July 26, 2022

(Released Thursday, July 28, 2022)

Valid 8 a.m. EDT

US Drought Monitor for 26 Jul 2022



Map Created by:  
National Drought Mitigation Center  
<https://droughtmonitor.unl.edu>



Map Layout Prepared by:  
Wyoming State Climate Office  
<http://www.wrds.uwyo.edu>



Drought Level	Percentile
None	>30
D0 (Abnormally Dry)	21 to 30
D1 (Moderate Drought)	11 to 20
D2 (Severe Drought)	6 to 10
D3 (Extreme Drought)	3 to 5
D4 (Exceptional Drought)	0 to 2

<https://youtu.be/45MQ1GB-uTc>

**Improvements** and **degradations** since the last webinar. Recent precipitation is helping some areas but a lack of it is causing a worsening in others.

The U.S. Drought Monitor, is a weekly map of drought conditions produced jointly by the National Oceanic and Atmospheric Administration, the U.S. Department of Agriculture, and the National Drought Mitigation Center (NDMC) at the University of Nebraska-Lincoln. The U.S. Drought Monitor website is hosted and maintained by the NDMC. <http://droughtmonitor.unl.edu>

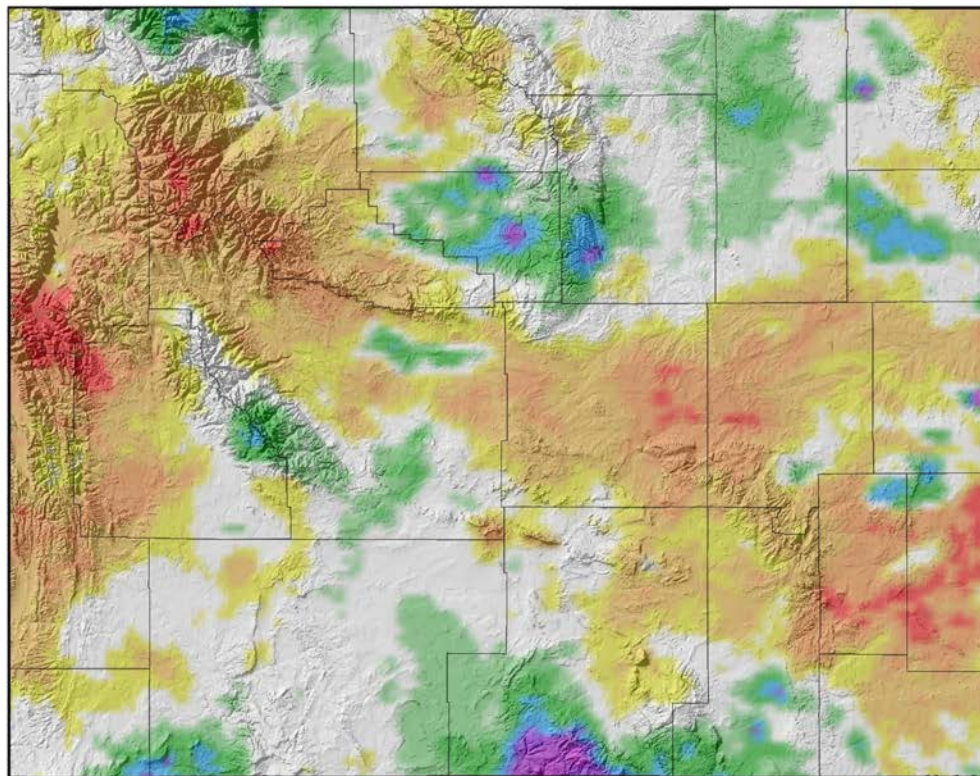
Map Layout Created 28 Jul 2022 <http://www.wrds.uwyo.edu>

<https://droughtmonitor.unl.edu>



# 14-Day Precipitation Percentile (14 Jul 2022 to 27 Jul 2022)

14-Day Precipitation (Percentile) for 12 Jul 2022 to 25 Jul 2022



Precipitation Data  
PRISM Climate Group  
<http://prism.oregonstate.edu>



Map Prepared by:  
Wyoming State Climate Office  
<http://www.wrds.uwyo.edu>



Provisional data, subject to revision

Daily precipitation data from PRISM Climate Group, Copyright ©2021, PRISM Climate Group, Oregon State University, <http://prism.oregonstate.edu>  
Map Created 26 Jul 2022 <http://www.wrds.uwyo.edu>  
Daily percentiles created from PRISM daily precipitation grids

## Above Median:

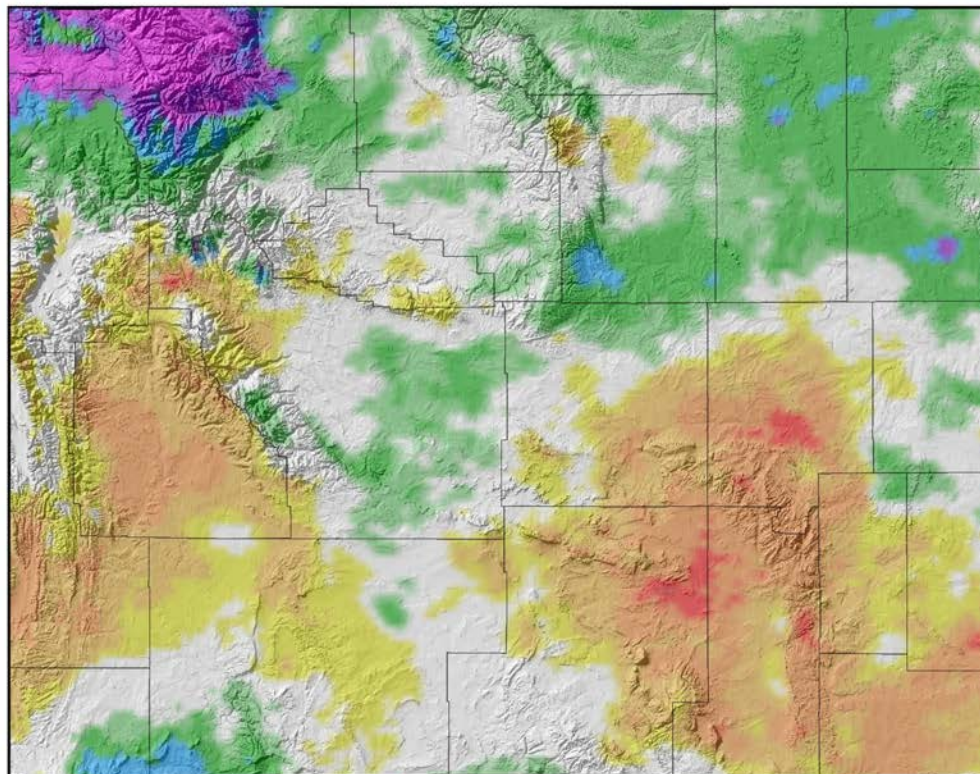
- South
- Southern Bighorn Basin and Mtns

## Below Median (Areas of Concern):

- Teton/Lincoln/Park
- Central
- Platte/Goshen

# 90-Day Precipitation Percentile (29 Apr 2022 to 27 Jul 2022)

90-Day Precipitation (Percentile) for 29 Apr 2022 to 27 Jul 2022



Precipitation Data  
PRISM Climate Group  
<http://prism.oregonstate.edu>



Map Prepared by:  
Wyoming State Climate Office  
<http://www.wrds.uwyo.edu>



Provisional data, subject to revision

Daily precipitation data from PRISM Climate Group, Copyright ©2021, PRISM Climate Group, Oregon State University, <http://prism.oregonstate.edu>  
Map Created 28 Jul 2022 <http://www.wrds.uwyo.edu>  
Daily percentiles created from PRISM daily precipitation grids

## Above Median:

- Northern tier, especially Park Co
- Southwest (SW Sweetwater/ SE Uinta)

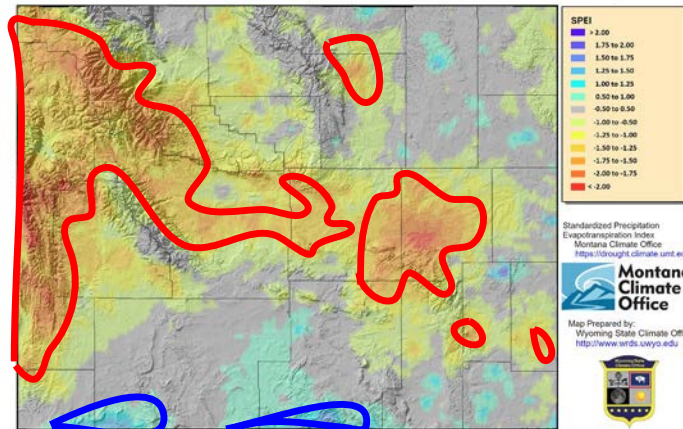
## Below Median (Areas of Concern):

- Southwest
- Sublette/Southern Lincoln



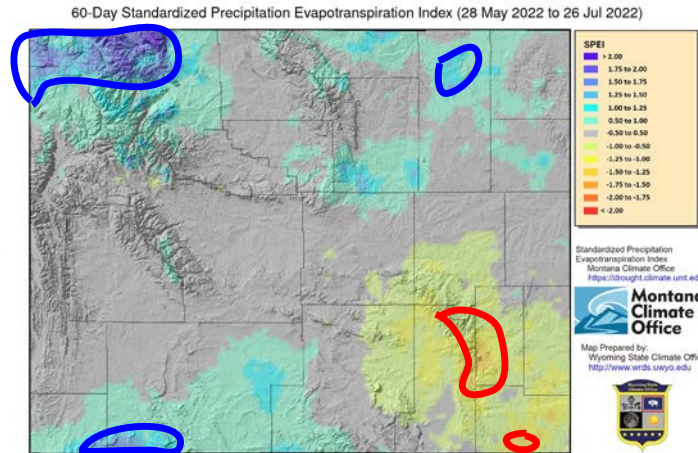
30-Day Standardized Precipitation Evapotranspiration Index (27 Jun 2022 to 26 Jul 2022)

30-Day  
→



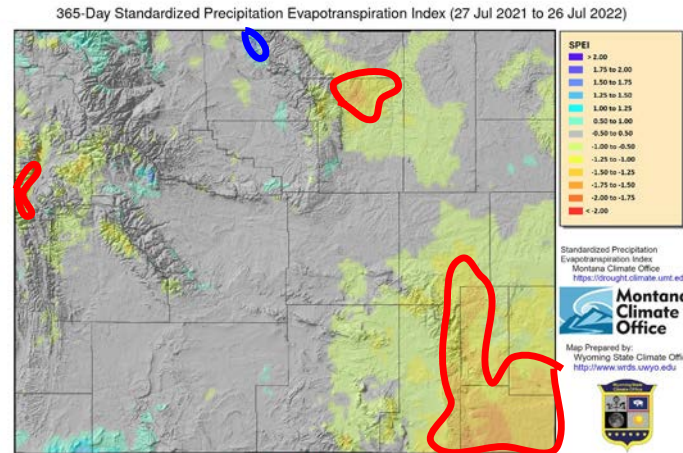
Standardized Precipitation Evapotranspiration Index Created by Montana Climate Office <https://drought.climate.umt.edu>  
Map Created 28 Jul 2022 <http://www.wrds.uwyo.edu>

60-Day  
→



Standardized Precipitation Evapotranspiration Index Created by Montana Climate Office <https://drought.climate.umt.edu>  
Map Created 28 Jul 2022 <http://www.wrds.uwyo.edu>

1-Year  
→



Standardized Precipitation Evapotranspiration Index Created by Montana Climate Office <https://drought.climate.umt.edu>  
Map Created 28 Jul 2022 <http://www.wrds.uwyo.edu>

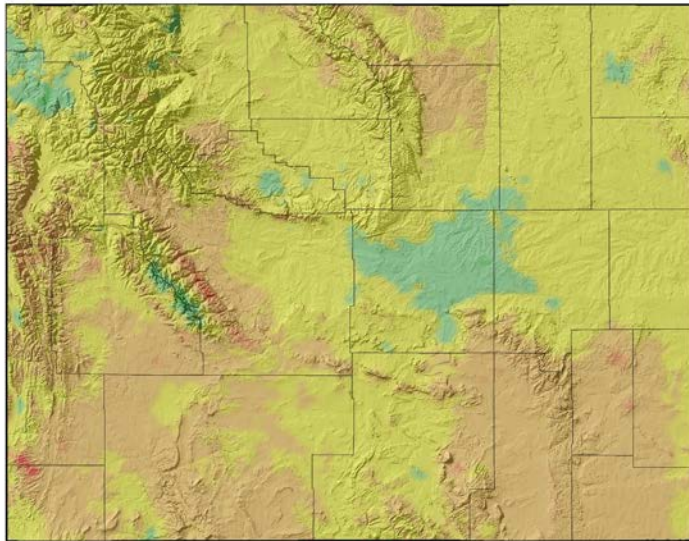
# Standardized Precipitation Evapotranspiration Index (SPEI)

Shorter-term dryness with areas improving in the far southeast.

# 14-Day Average Minimum Temperature (14 Jul to 27 Jul)

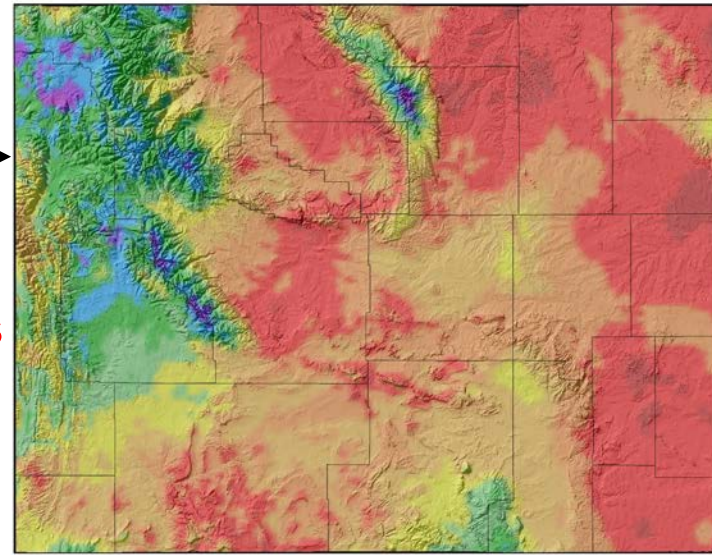
- Highest in Low Elev North and Plains
- Plains and Fremont Co/Bighorn Basin 60s

14-Day Average Minimum Temperature (Departure from 1991-2020 Average) for 14 Jul 2022 to 27 Jul 2022



Temperature Data  
PRISM Climate Group  
<http://prism.oregonstate.edu>

Map Prepared by:  
Wyoming State Climate Office  
<http://www.wrds.uwyo.edu>



Temperature Data  
PRISM Climate Group  
<http://prism.oregonstate.edu>

Map Prepared by:  
Wyoming State Climate Office  
<http://www.wrds.uwyo.edu>

Daily Temperature data from PRISM Climate Group, Copyright ©2021, PRISM Climate Group, Oregon State University, <http://prism.oregonstate.edu>  
Map Created 28 Jul 2022 <http://www.wrds.uwyo.edu>  
Temperature averages created from PRISM daily temperature grids

# 14-Day *Departure from Normal* Average Minimum Temperature

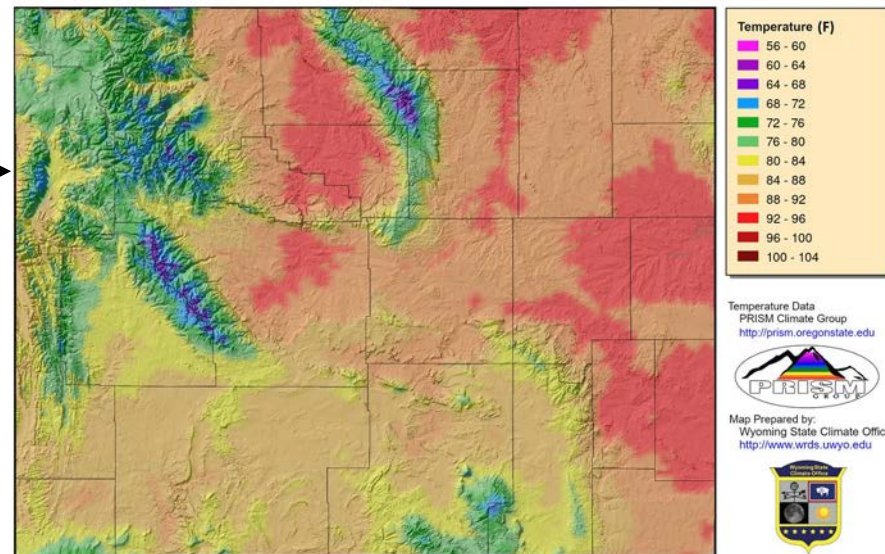
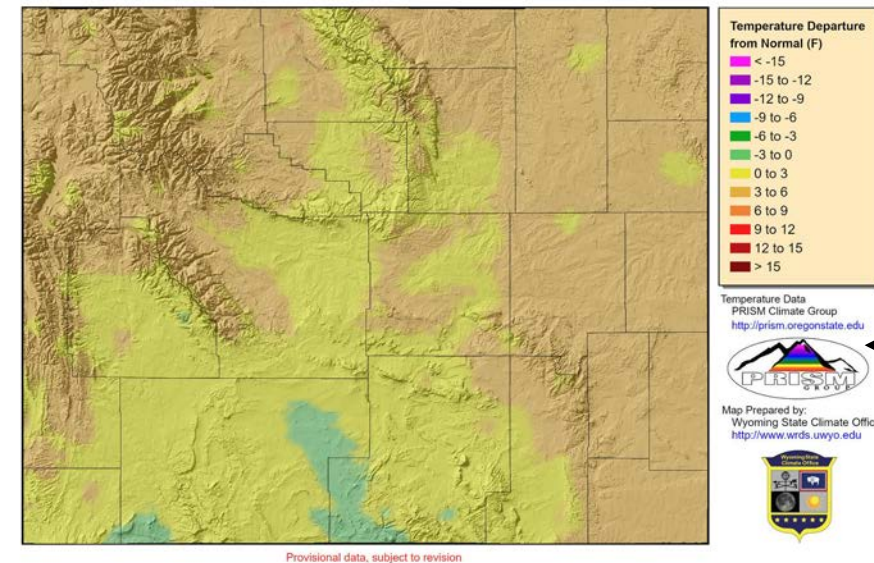
- Up to 6F above average except central and far northwest, high elevation Winds



# 14-Day Average Maximum Temperature (14 Jul to 27 Jul)

- >60F statewide
- 90F+ for Max much of plains

14-Day Average Maximum Temperature (Departure from 1991-2020 Average) for 14 Jul 2022 to 27 Jul 2022



Daily Temperature data from PRISM Climate Group, Copyright ©2021, PRISM Climate Group, Oregon State University, <http://prism.oregonstate.edu>  
Map Created 28 Jul 2022 <http://www.wrds.uwyo.edu>  
Temperature averages created from PRISM daily temperature grids

# 14- Day *Departure from Normal* Average Maximum Temperature

- North and east 3-6F above average
- Southwest quarter/Central 0-3F above average
- Some minor parts of southwest 0-3F below



# Soil Moisture Percentile

**Two Weeks Ago**  
**14 Jul 2022**

**27 Jul 2022**

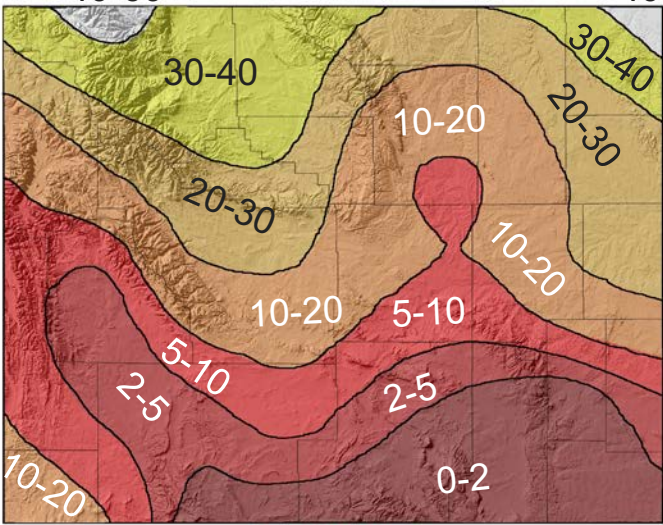
40-60



40-60 Soil Moisture Percentile for 14 Jul 2022

40-60

Soil Moisture Percentile for 27 Jul 2022



Soil Moisture Percentile  
Climate Prediction Center

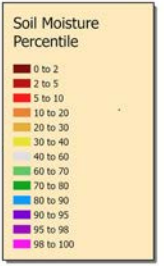
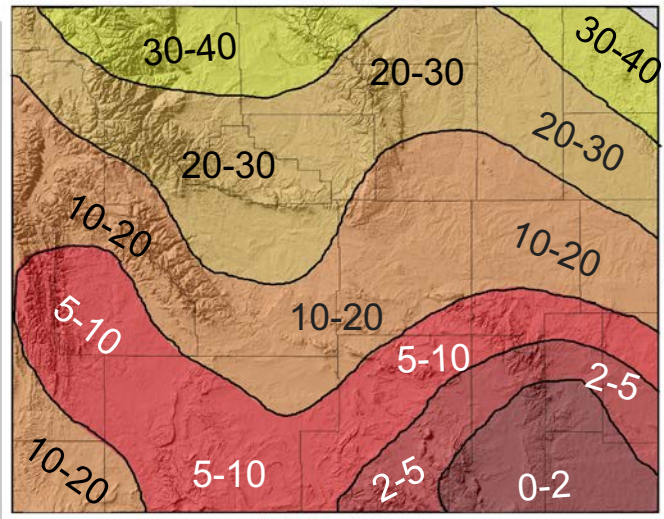
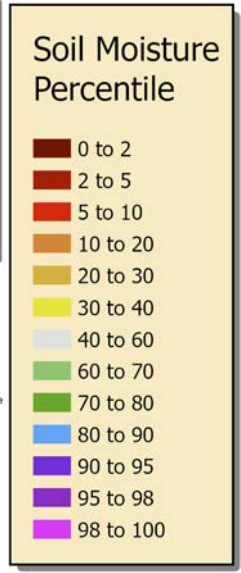


Map Prepared by:  
Wyoming State Climate Office  
<http://www.wrds.uwyo.edu>



Provisional data, subject to revision

Modeled Soil Moisture Percentile [https://www.cpc.ncep.noaa.gov/products/GIS/GIS\\_DATA/USDM\\_Products/soil/soil\\_percentile.php](https://www.cpc.ncep.noaa.gov/products/GIS/GIS_DATA/USDM_Products/soil/soil_percentile.php)  
Map Created 15 Jul 2022 <http://www.wrds.uwyo.edu>



Soil Moisture Percentile  
Climate Prediction Center



Map Prepared by:  
Wyoming State Climate Office  
<http://www.wrds.uwyo.edu>



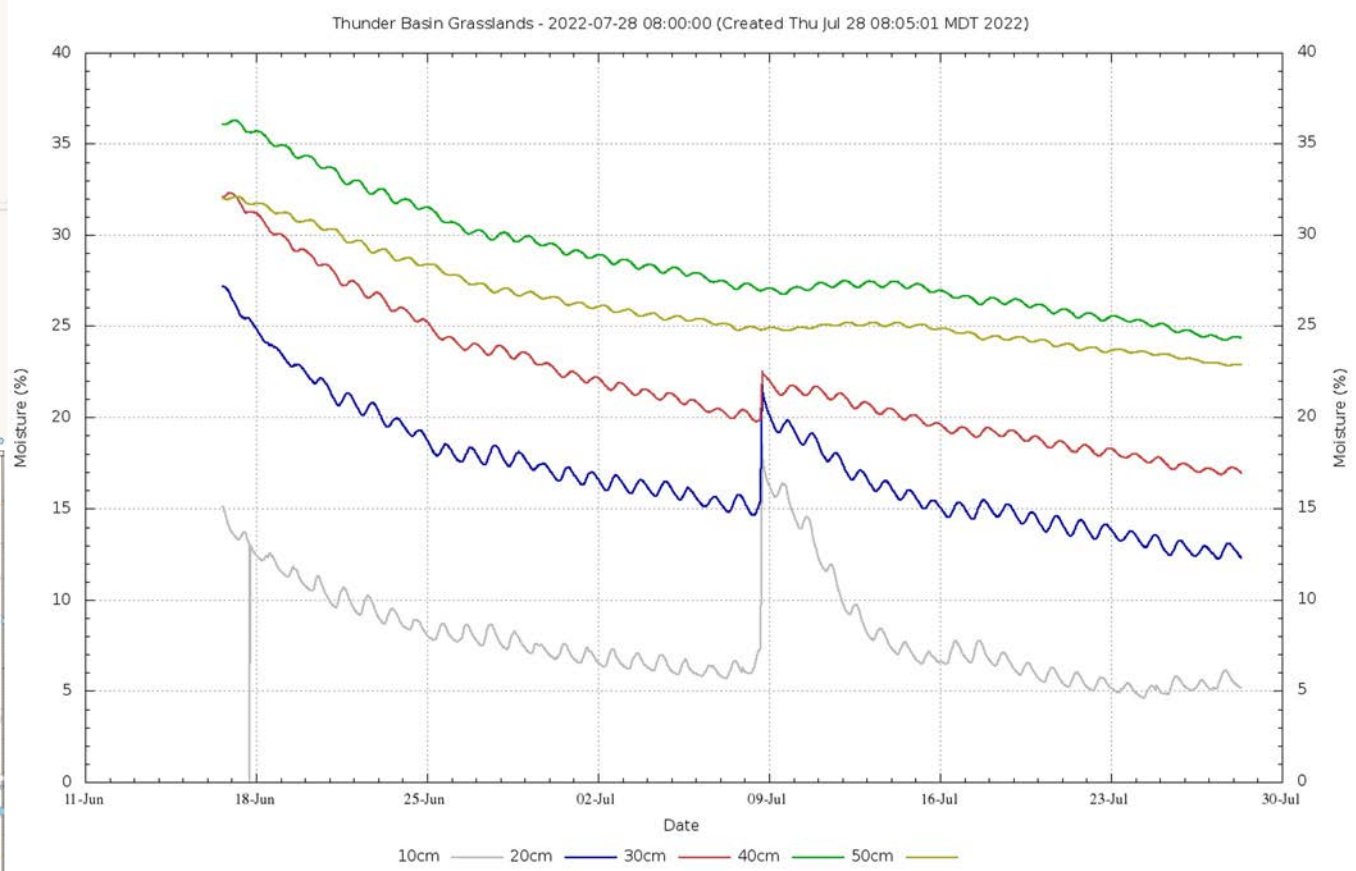
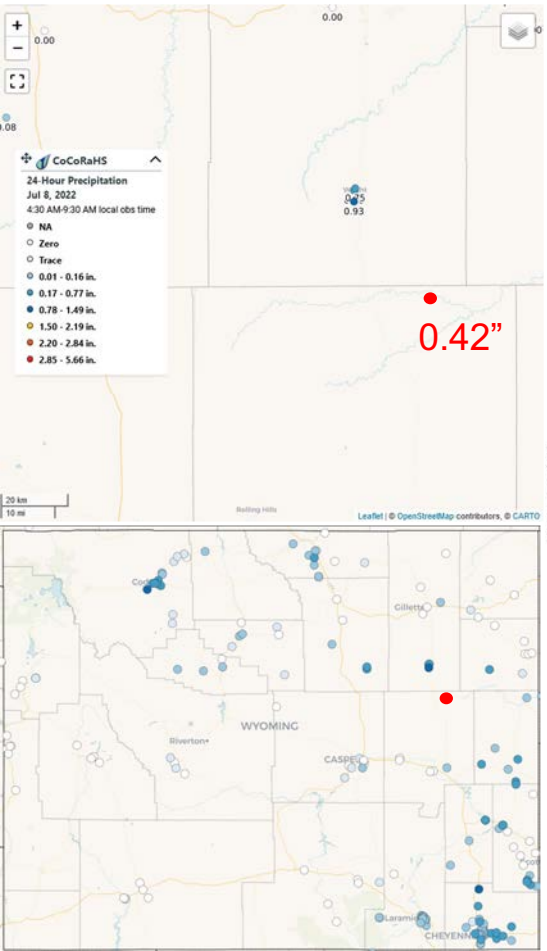
Provisional data, subject to revision

Modeled Soil Moisture Percentile [https://www.cpc.ncep.noaa.gov/products/GIS/GIS\\_DATA/USDM\\_Products/soil/soil\\_percentile.php](https://www.cpc.ncep.noaa.gov/products/GIS/GIS_DATA/USDM_Products/soil/soil_percentile.php)  
Map Created 28 Jul 2022 <http://www.wrds.uwyo.edu>

Conditions deteriorating in northern half of the state in last two weeks  
Some slight improvement in south central Wyoming

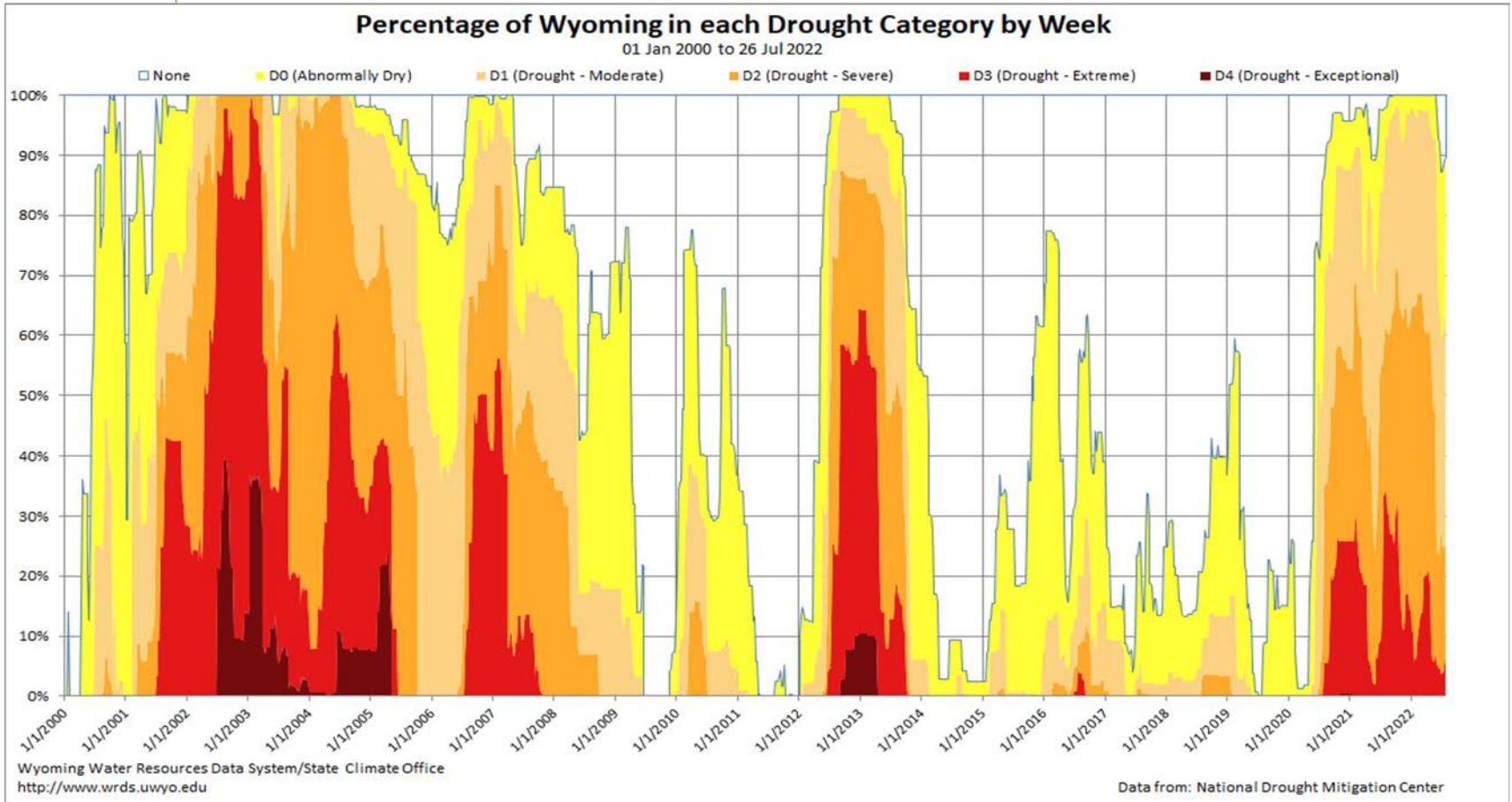


# Soil Moisture at Thunder Basin Grasslands





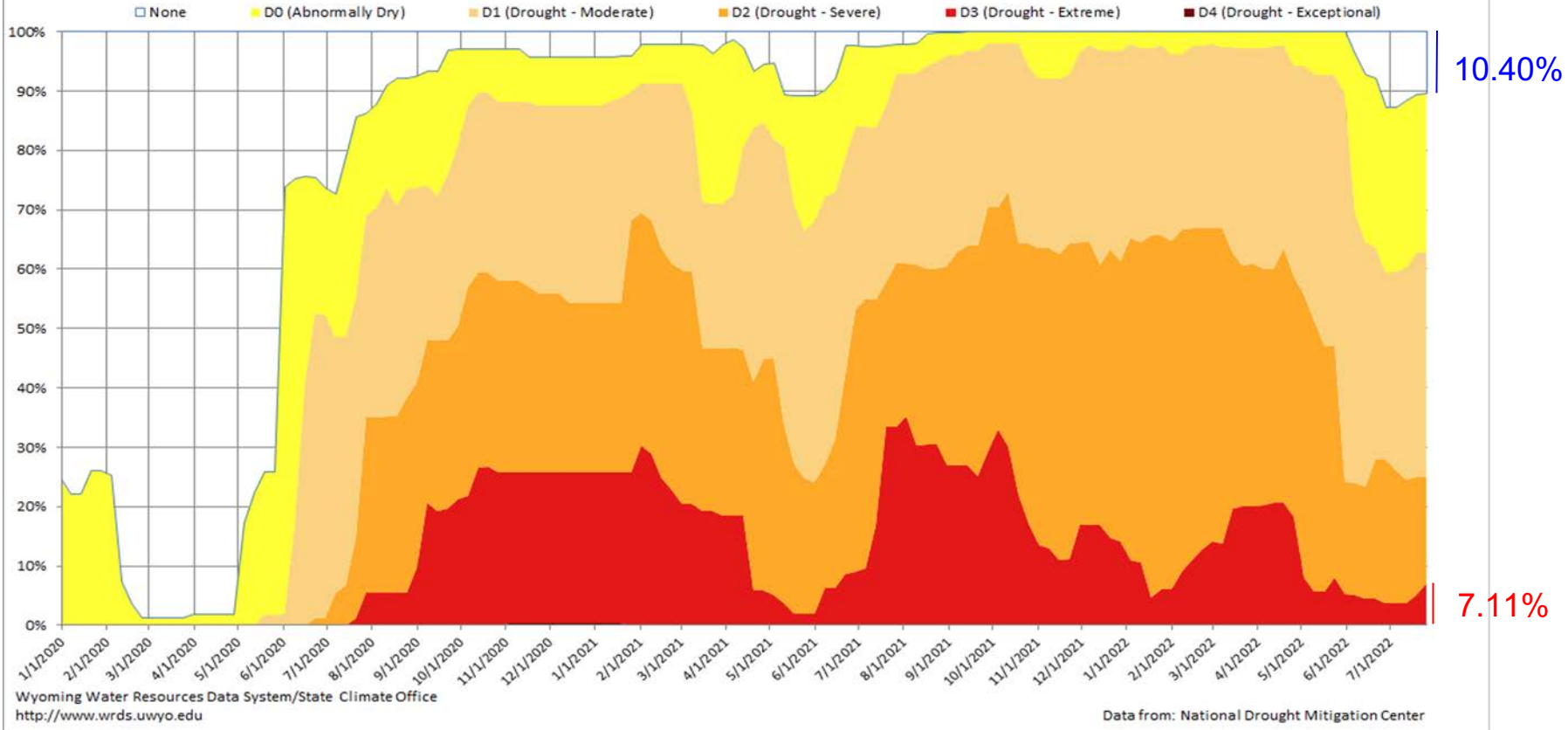
Wyoming Area Affected: 89.60% D0-D4 ; 62.89% D1-D4





### Percentage of Wyoming in each Drought Category by Week

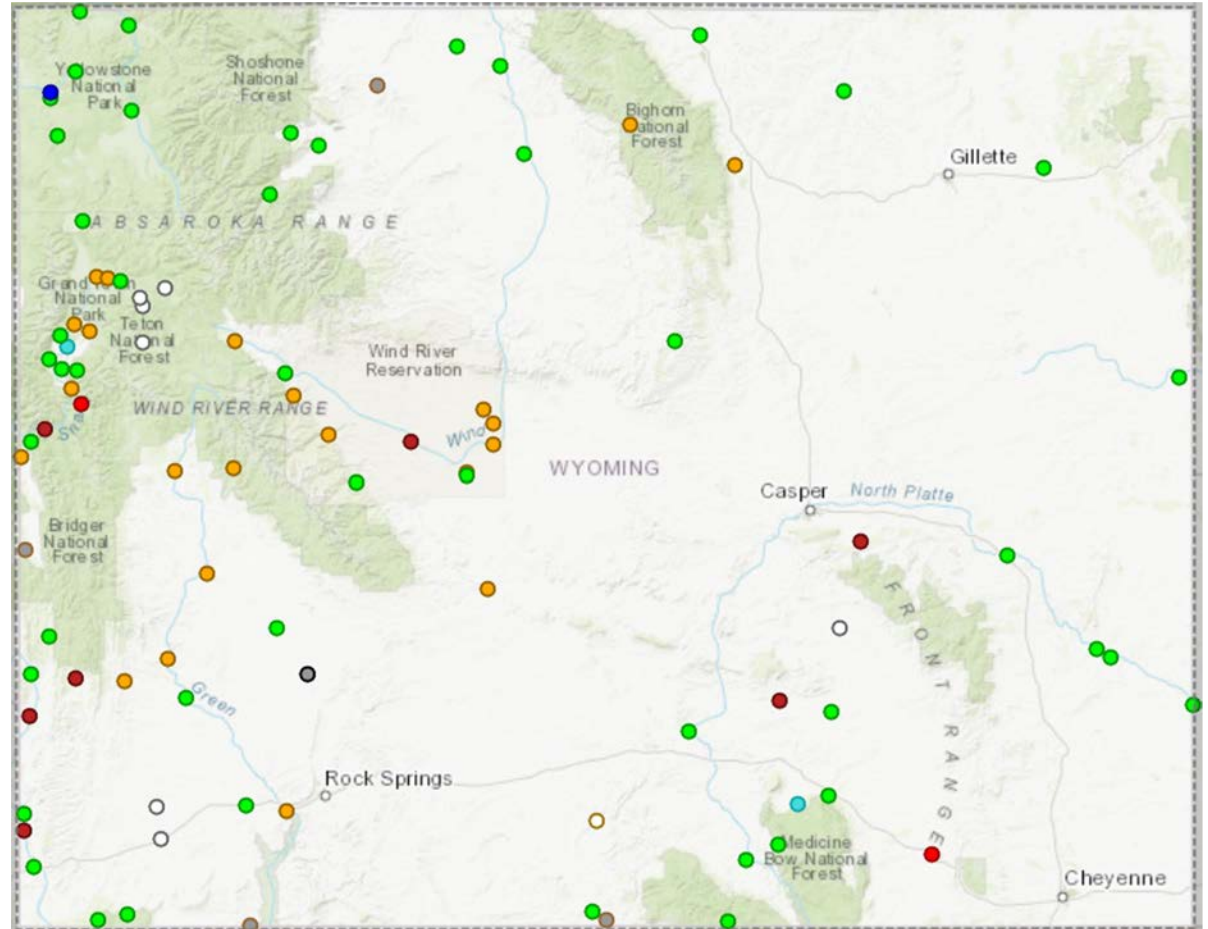
01 Jan 2020 to 26 Jul 2022



## Streamflow Status

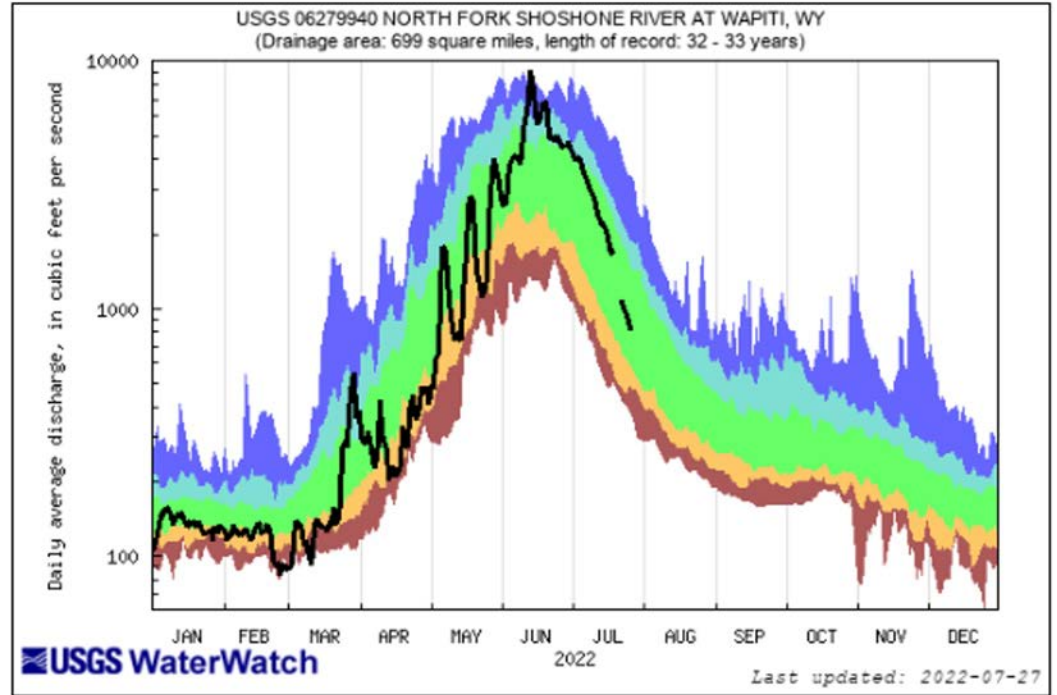
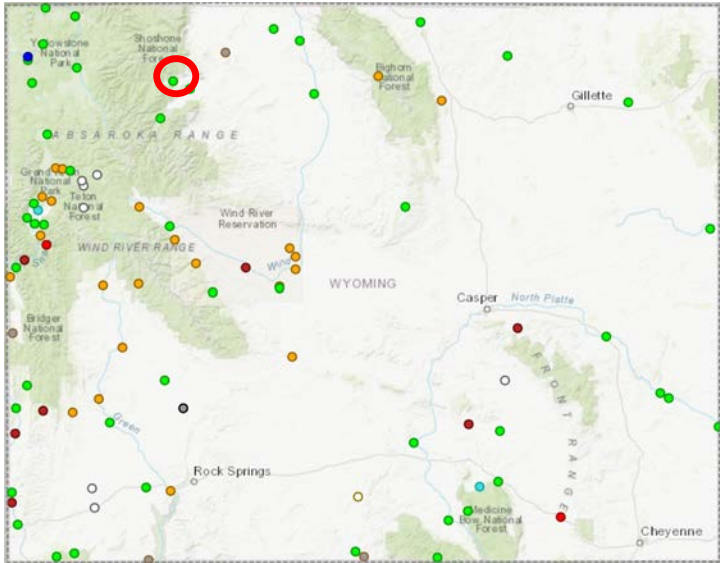
### Streamflow: Status

- Above flood stage
- All-time high for this day
- Much above normal
- Above normal
- Normal
- Below normal
- Much below normal
- All-time low for this day
- Not flowing
- Not ranked
- Measurement flag
- Recent measurement unavailable





## Select WY Streamflows

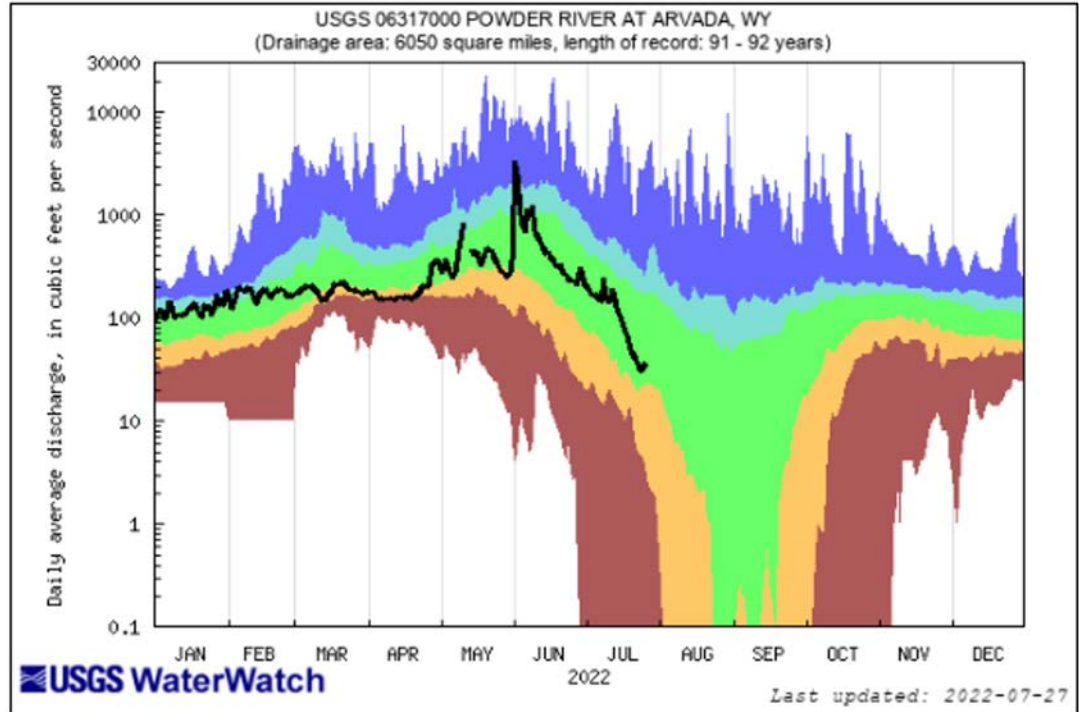
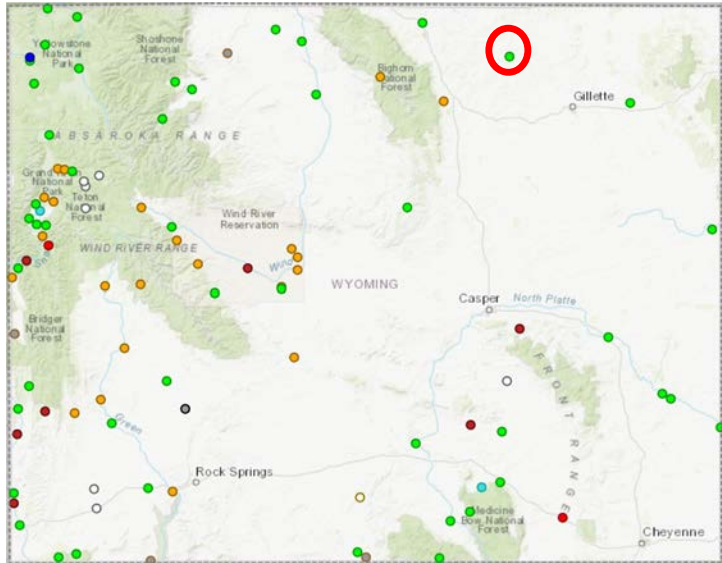


<https://dashboard.waterdata.usgs.gov/>

<https://waterdata.usgs.gov/>

Explanation - Percentile classes						
lowest-10th percentile	5	10-24	25-75	76-90	95	90th percentile - highest
Much below Normal	Below normal	Normal	Above normal	Much above normal		Flow

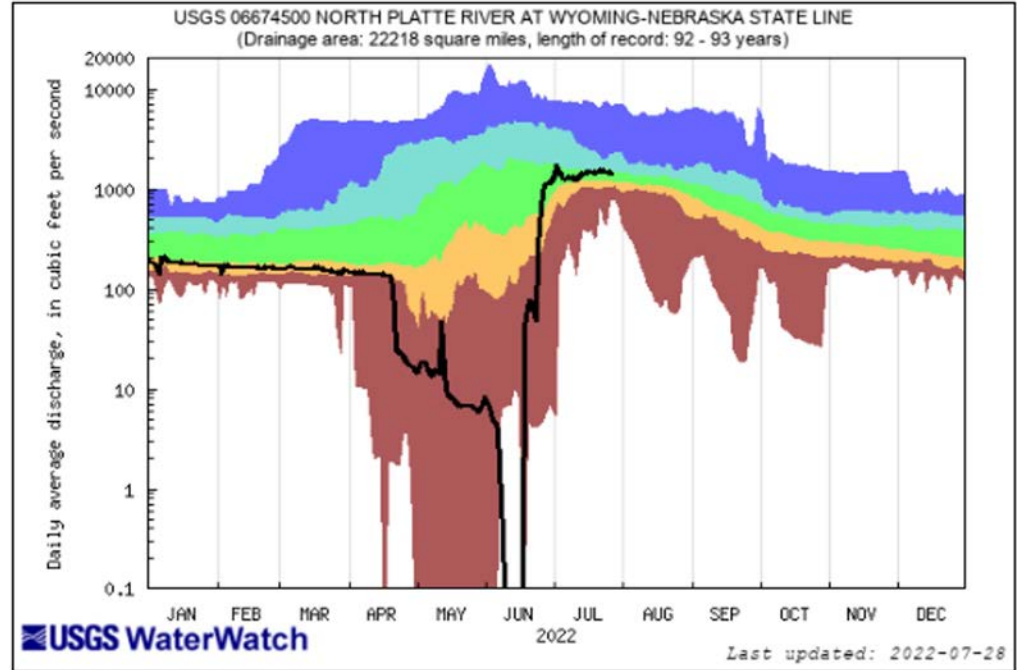
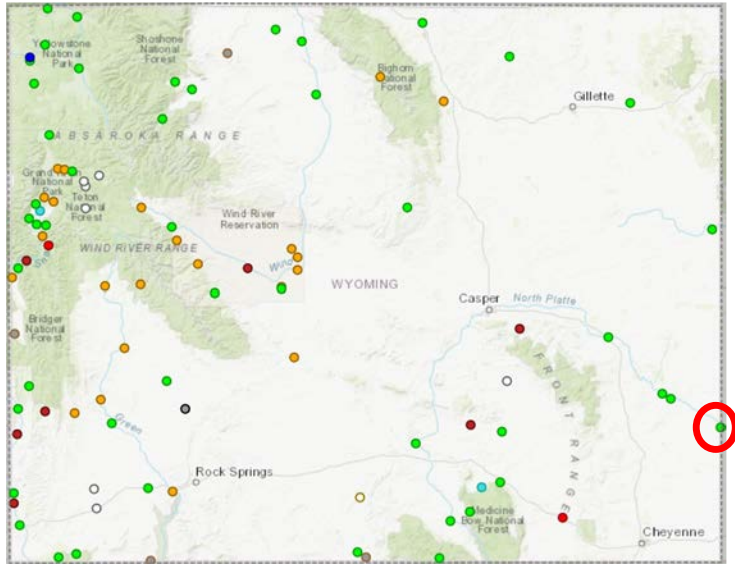
## Select WY Streamflows



<https://dashboard.waterdata.usgs.gov/>

<https://waterdata.usgs.gov/>

## Select WY Streamflows



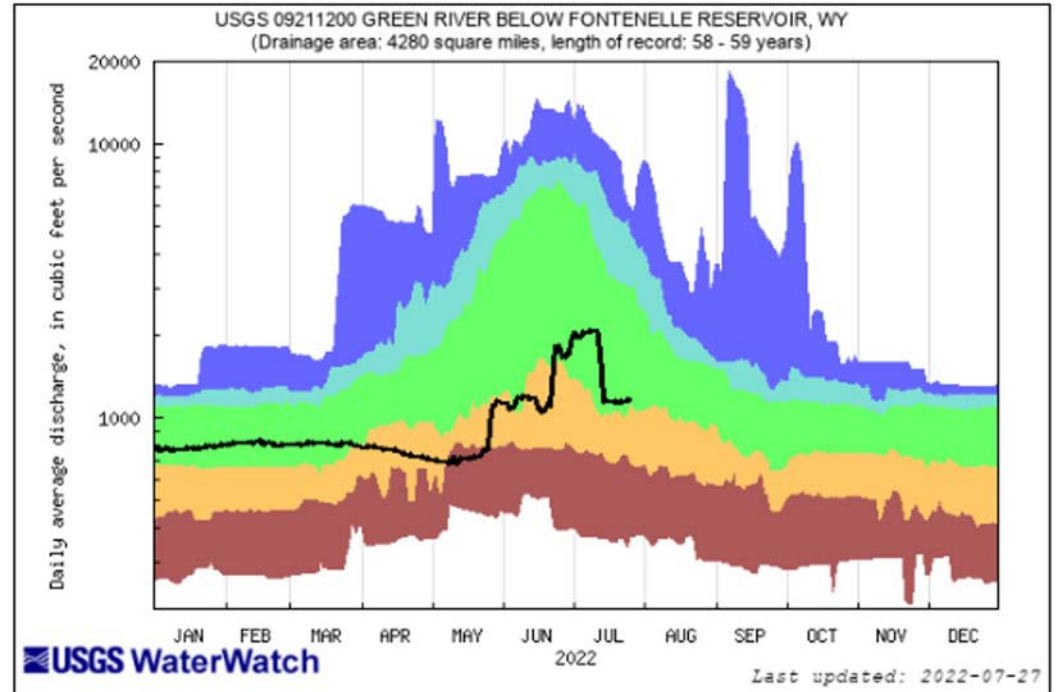
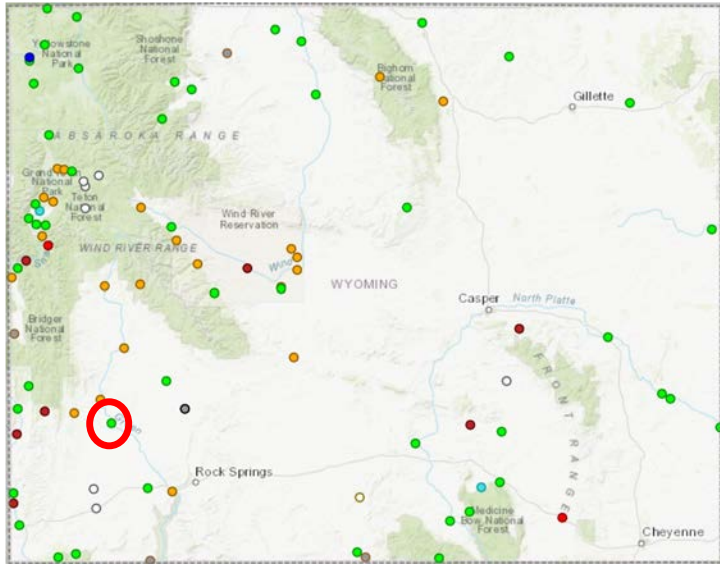
<https://dashboard.waterdata.usgs.gov/>

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## Select WY Streamflows



<https://dashboard.waterdata.usgs.gov/>

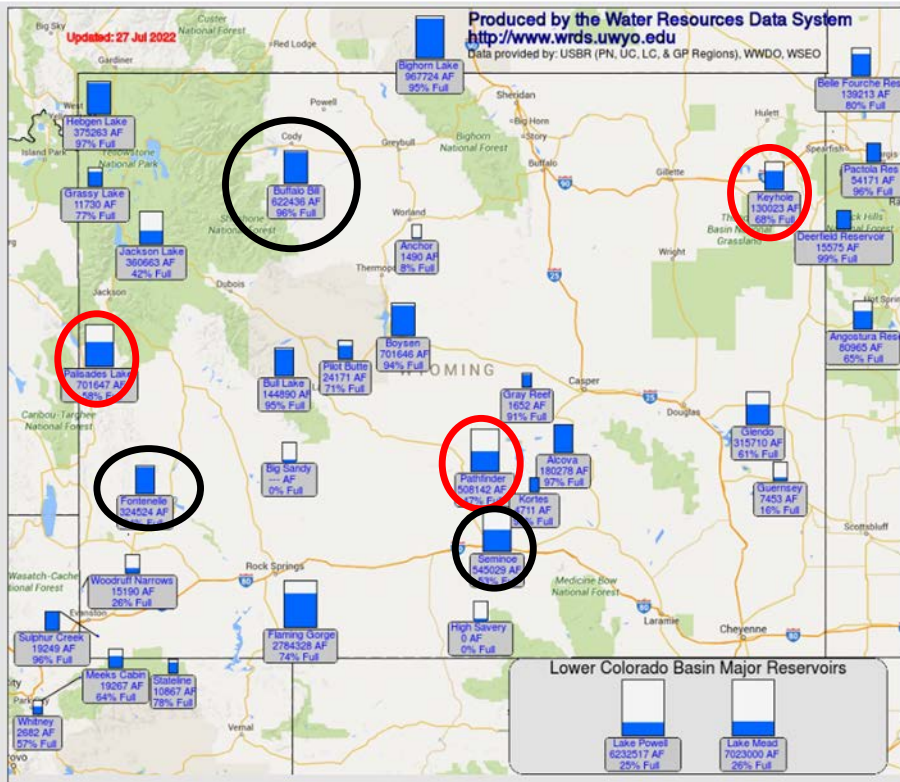
<https://waterdata.usgs.gov/>

Explanation - Percentile classes						
lowest-10th percentile	5	10-24	25-75	76-90	95	90th percentile-highest
Much below Normal	Below normal	Normal	Above normal	Much above normal		Flow

# WY Reservoirs ( July 28, 2022)

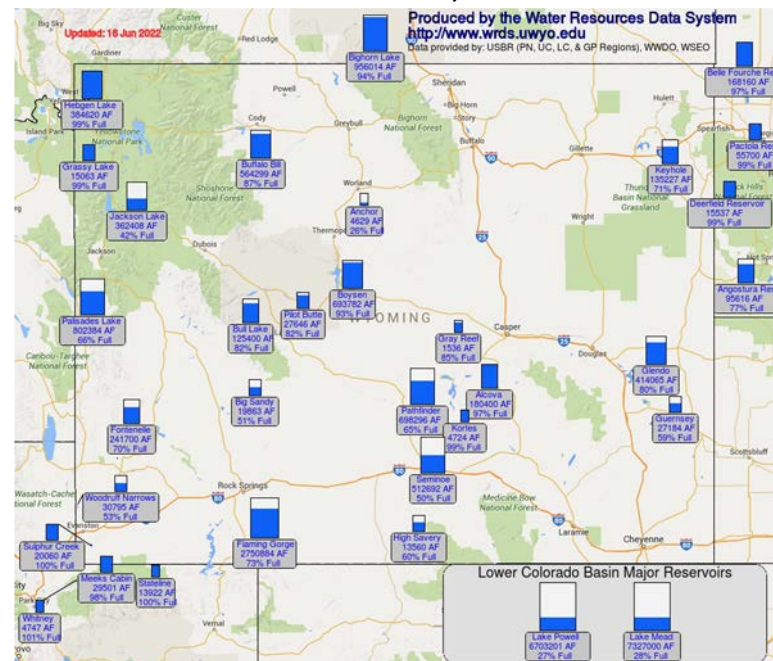
July 28, 2022

- Some increases - **Black**
- Some decreases- **Red**
- Many reservoirs did not fill to full



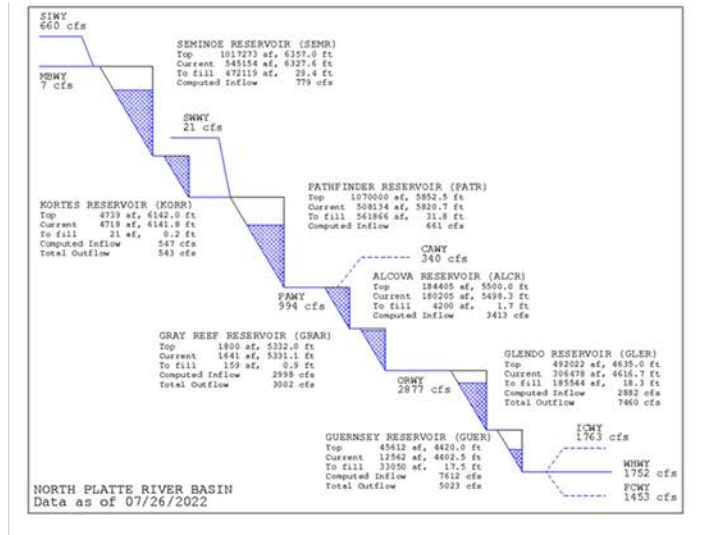
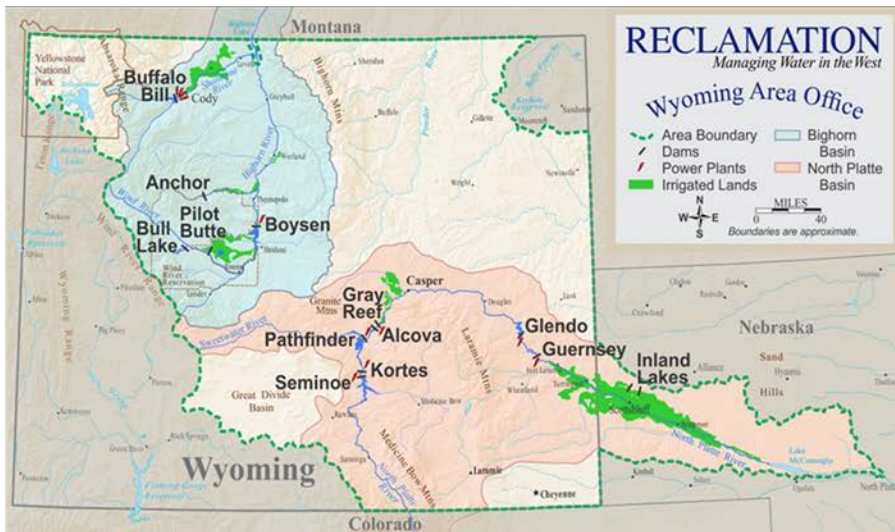
[http://www.wrds.uwyo.edu/surface\\_water/teacups.html](http://www.wrds.uwyo.edu/surface_water/teacups.html)

June 16, 2022





# Current Reservoir Conditions: North Platte System



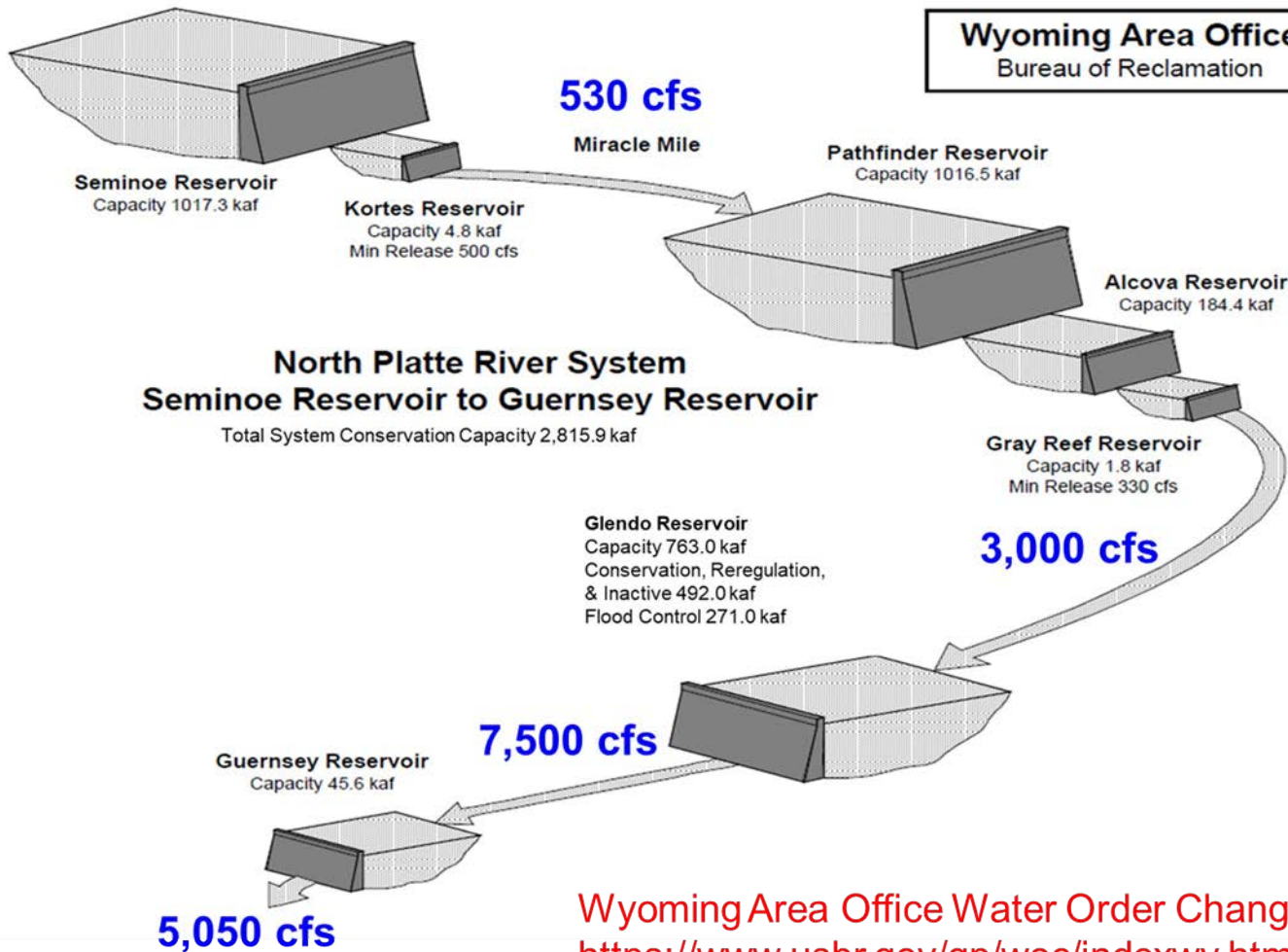
**As of July 25, North Platte System: 56% of Full, 80% of Average**

<u>Reservoir</u>	<u>Content (AF)</u>	<u>Capacity</u>	<u>% of Full</u>	<u>% of Avg</u>
Seminoe	472,400	1,017,300	54%	76%
Pathfinder	513,900	1,070,000	48%	83%
Glendo	315,700	492,000	64%	85%
Guernsey	4,500	45,600	16%	88%





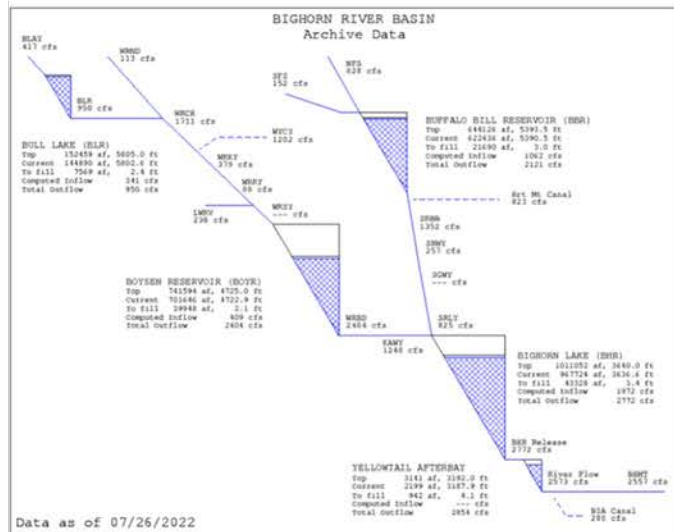
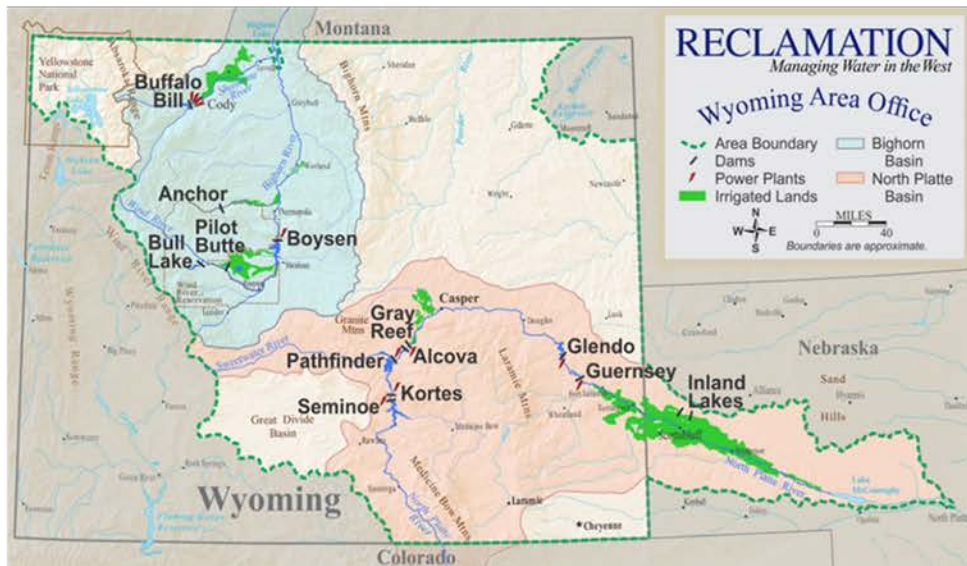
Wyoming Area Office  
Bureau of Reclamation



Wyoming Area Office Water Order Changes –  
<https://www.usbr.gov/gp/woc/indexwy.html>



# Current Reservoir Conditions: Bighorn System



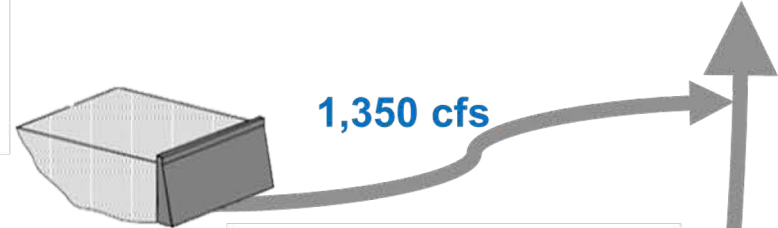
[https://www.usbr.gov/gp-bin/hydromet\\_teacup.pl](https://www.usbr.gov/gp-bin/hydromet_teacup.pl)

**As of July 26, Bighorn System: 89% of Full, 96% of Average**

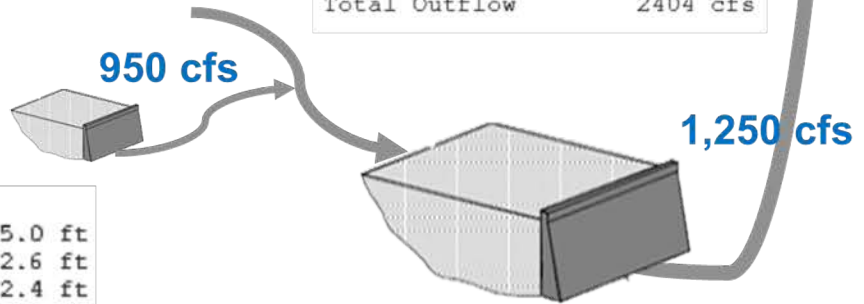
<u>Reservoir</u>	<u>Content</u>	<u>Capacity</u>	<u>% of Full</u>	<u>% of Avg</u>
Bull Lake	144,890	152,500	95%	108%
Buffalo Bill	622,440	646,600	96%	107%
Boysen	701,650	741,600	95%	110%



BUFFALO BILL RESERVOIR (BBR)		
Top	644126 af,	5393.5 ft
Current	622436 af,	5390.5 ft
To fill	21690 af,	3.0 ft
Computed Inflow	1062 cfs	
Total Outflow	2121 cfs	



BOYSEN RESERVOIR		
Top	741594 af,	4725.0 ft
Current	701646 af,	4722.9 ft
To fill	39948 af,	2.1 ft
Computed Inflow	409 cfs	
Total Outflow	2404 cfs	



BULL LAKE (BLR)		
Top	152459 af,	5805.0 ft
Current	144890 af,	5802.6 ft
To fill	7569 af,	2.4 ft
Computed Inflow	341 cfs	
Total Outflow	950 cfs	





MB & ART REGIONS

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Reservoirs, Dams & Hydropower

AgrMet

Boat Ramps

HydroMet

- Map of Stations by Type
- Map of Stations by State
- Instant Data Requests
- Daily Data Requests
- Monthly Data Requests
- TEACUP Reservoir Models
- Automated Retrieval Documentation
- Inflow Computations and Plots
- Daily Data Analysis
- Annual Cumulative and Historical Average Plots
- Power Levels
- Projects & Facilities
- Recreation
- Safety of Dams

# Welcome to the HYDROMET Data System

## Program Information

The Bureau of Reclamation operates a network of automated hydrologic and meteorologic monitoring stations (HydroMet) located throughout the Missouri Basin Region. The HydroMet network collects remote field data and transmits it via satellite to provide real-time water management capability. HydroMet data is then integrated with other sources of information to provide streamflow forecasting and current runoff conditions for river and reservoir operations. Please read this important Disclaimer about the real-time, PROVISIONAL data displayed on these pages.



Bighorn Lake from atop Yellowtail Dam

### Station Information

- Map of Stations by Type
- Map of Stations by State
- Station Specific Data Links

### Data Request Forms

- Instant Data Requests
- Daily Data Requests
- Monthly Data Requests (RES070)
- TEACUP Reservoir Models
- HydroMet Data Query
- Automated Retrieval Documentation (PDF)
- HydroMet Tools Public Version (PDF)

### Analysis and Models

- Inflow Computations and Plots
- Daily Data Analysis
- Annual Cumulative and Historical Average Plots (QNAPLT)

# Missouri Basin and Arkansas-Rio Grande-Texas Gulf Regions

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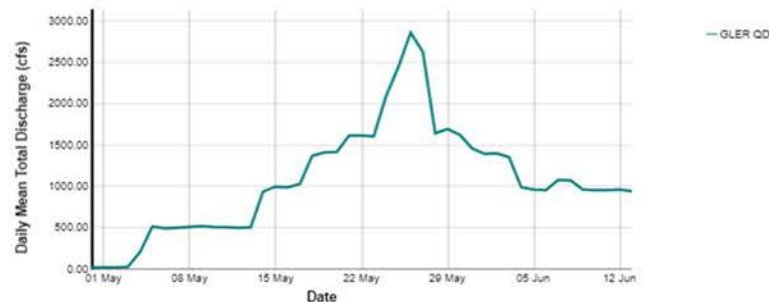
- Map of Stations by Type
- Map of Stations by State
- Instant Data Requests
- Daily Data Requests
- Monthly Data Requests
- TEACUP Reservoir Models
- Automated Retrieval Documentation
- Inflow Computations and Plots

## Daily Data Quick Plot

This form outputs an interactive graph displaying daily data. Daily data is obtained once per day and data from the previous day is available after 5:25 AM on the current day. Enter a date range, station, and parameter and then submit your request.

- Start Date (YYYY-MM-DD):
- End Date (YYYY-MM-DD):
- Station Code (start typing to search for a station):
- List of parameters at the selected site:
- Parameter:

Submit





# WY SEO Divisions and Superintendents

*Contact information for calls and administration*

## Division 3

Joshua  
Fredrickson,  
856-0747



## Division 2

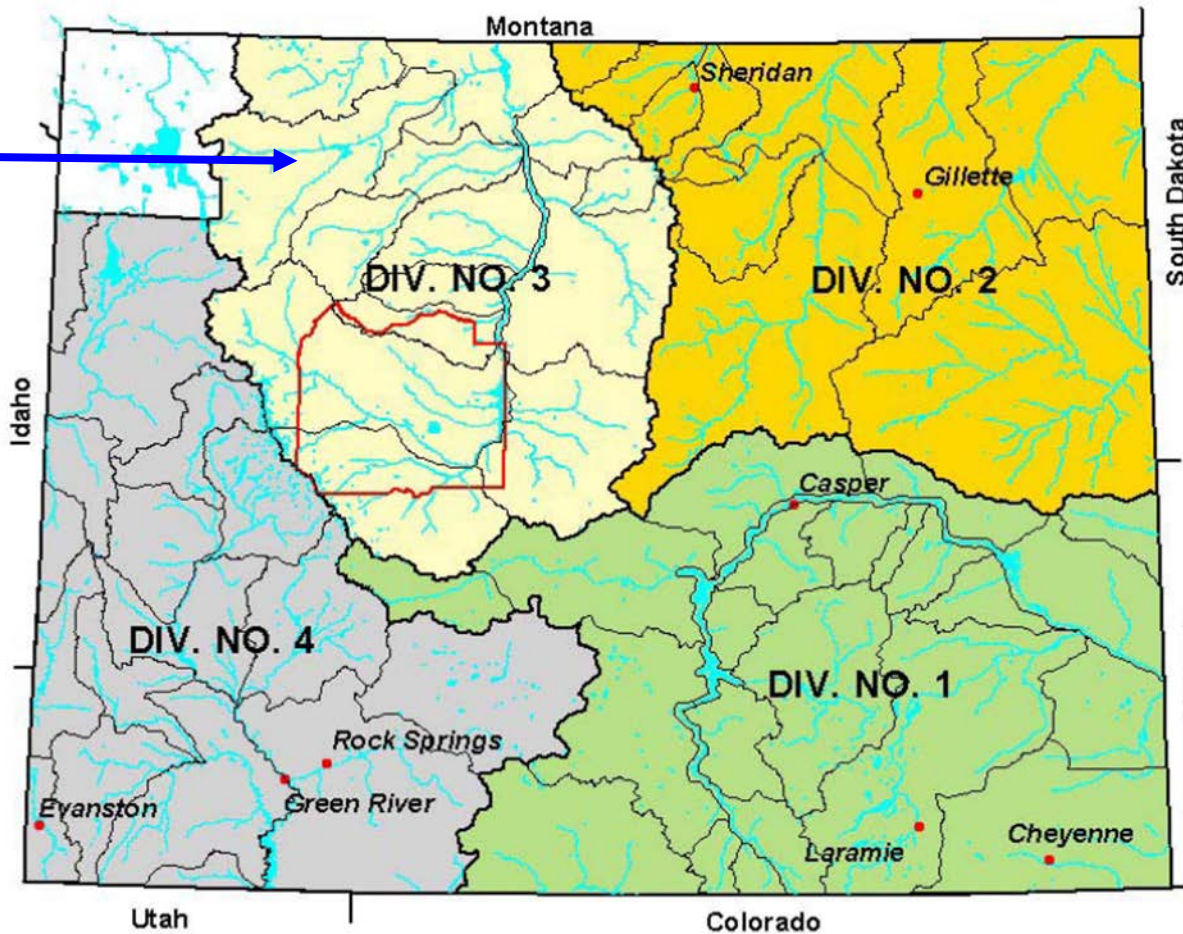
David  
Schroeder,  
674-7012

## Division 4

Kevin Payne,  
279-3441

## Division 1

Cory Rinehart,  
532-2248





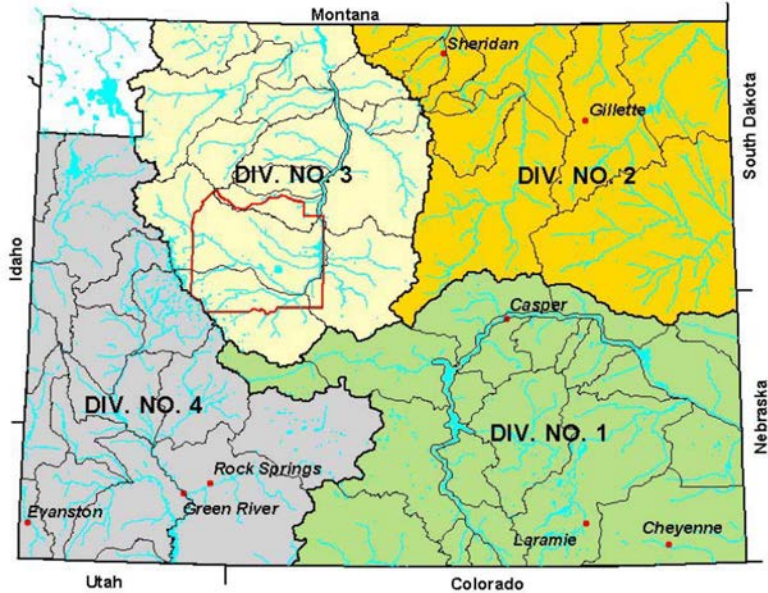
## Division 1

1. May 1, 2022 BOR call on North Platte limits Irrigation Pumpers, between Pathfinder and Guernsey, to 6,600 acre feet every 2 weeks, likely to be on through summer.

1. June 4, 2022 call on Bear Creek and tribs, Dist 2, to a priority date of 7/7/1891.

1. June 15, 2022 call on Horseshoe Creek and tribs, Dist 3, to a priority date of 4/05/1879.

1. June 24, 2022 call on Laramie River and Tribs, Dist 3, 4A, 4B, 4C, to a priority date of 12/31/1881.

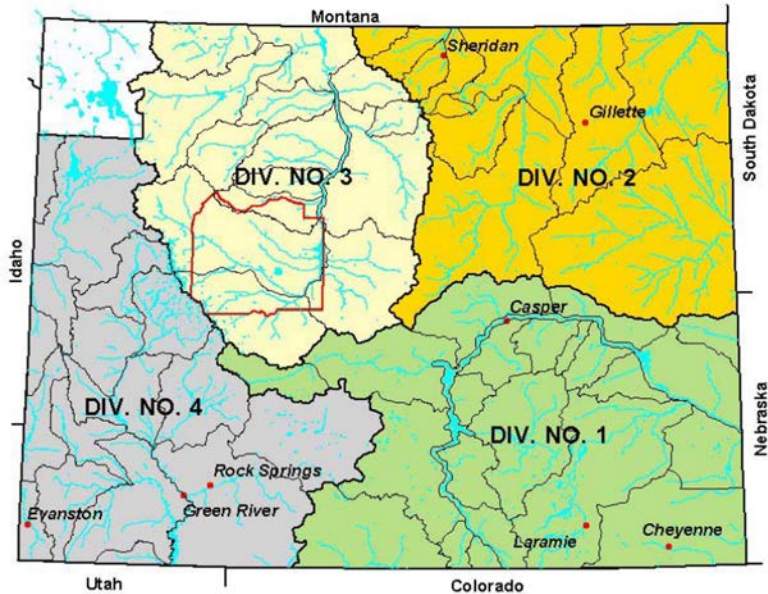






## Division 1

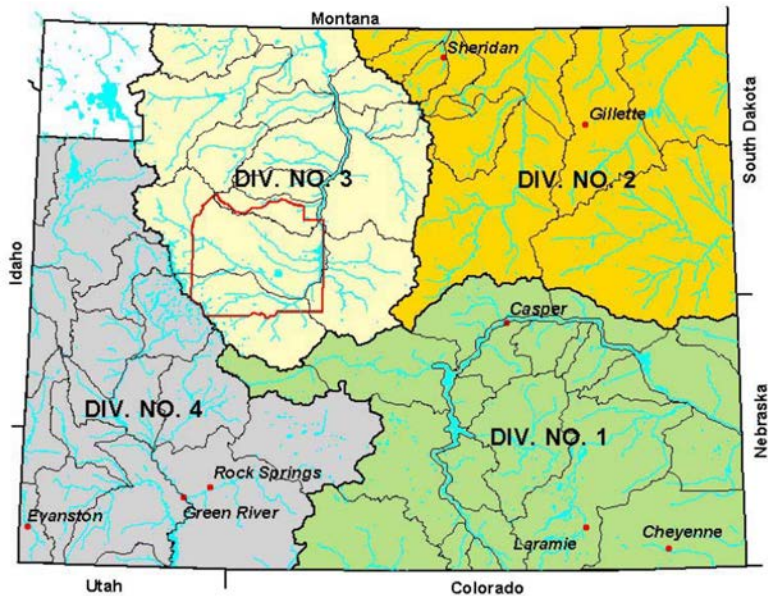
5. June 26, 2022 call on Laramie River and Tribs, Dist 3, 4A, 4B, 4C, to a priority date of 5/23/1883 and priority No. 17 of Laramie River Court Decree.
6. June 27, 2022 call on Laramie River and Tribs, Dist 3, 4A, 4B, 4C, to a priority date of 12/31/1875.
7. June 29, 2022 call on Rattlesnake Creek and tribs, Dist 16 to a priority date of 4/1885.
8. June 29, 2022 call on Rattlesnake Creek and tribs, Dist 16 to a priority date of 12/19/1889.
9. July 11, 2022 call on Bates Creek, Dist 11, to a priority date of 8/9/1886.





## Division 2

1. May 14, 2022 Call on Big Goose Creek, Dist 4, to a priority date of 9/18/1962.
2. July 12, 2022 Call on Little Goose Creek, Dist 4, to a priority date of 4/15/1880.
3. July 12, 2022 Call on Lower Clear Creek, Dist 9, to a priority date of summer 1884.
4. July 12, 2022 Call on Piney Creek, Dist 9 to a priority date of summer 1884.
5. July 13, 2022 Call on Upper Clear Creek, Dist 2, to a priority date of spring 1883.
6. July 21, 2022 Call on Lower Clear Creek, Dist 2, to a priority date of 4/30/1882.





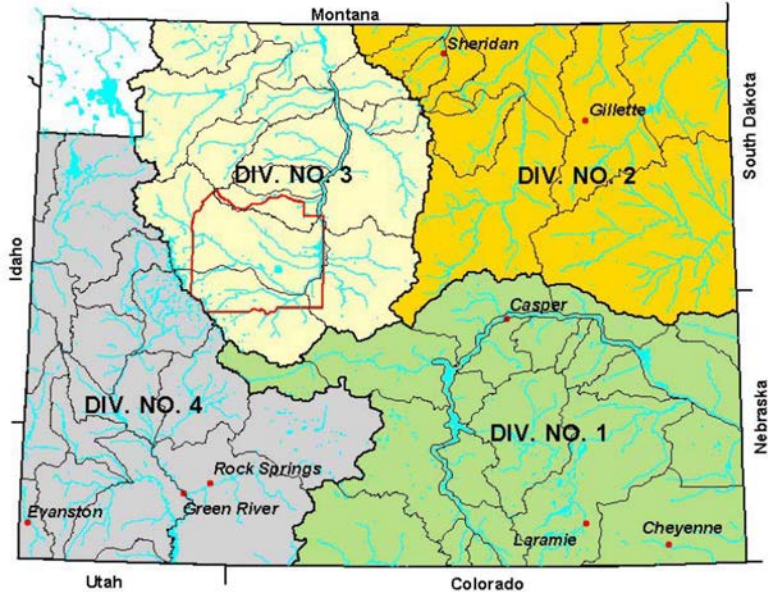
## Division 2

7. 7/18/22 Distribution of Dull Knife Reservoir water to shareholders.

7. 7/15/22 Distributions of Willow Park and Cloud Peak Reservoirs water to shareholders.

7. 7/22/22 Distribution of Kearney Lake Reservoir water to shareholders.

7. 7/20/22 Shepherding Keyhole Reservoir water to WY/SD state line while apportioning Wyoming's 10% compact allocation.







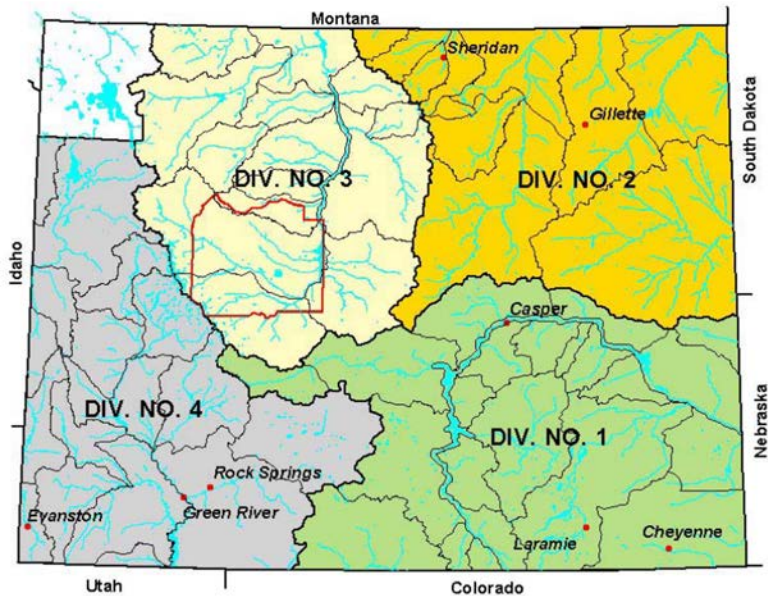
## Division 3

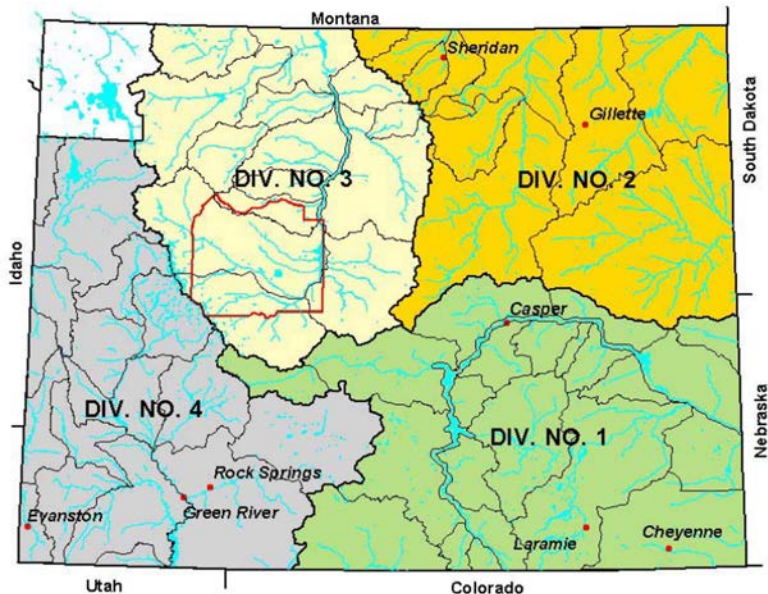
1. April 8, 2022, Call on Owl Creek, Dist 5, to a priority date of Fall 1885.

1. May 6, 2022, Call on Grass Creek, Dist 14, to a priority date of Spring 1903.

1. June 30, 2022, Call on Gooseberry Creek, Dist 13, to a priority date of 12/21/1906.

1. July 12, 2022, Call on Greybull River, Dist 8, to a priority date of 6/20/1888 and 6/18/1900.





## **Division 3**

5. July 18, 2022, Call on Cottonwood Creek, Dist 14, to a priority date of 11/10/1904.
5. July 25, 2022, Call on Medicine Lodge Creek and Paint Rock Creek, Dist 12, to a priority date of 7/26/1906 and 6/8/1906.



## Division 4

1. April 29, 2022, call on North Piney Creek, Dist 10, to a priority date of 5/1/1888.

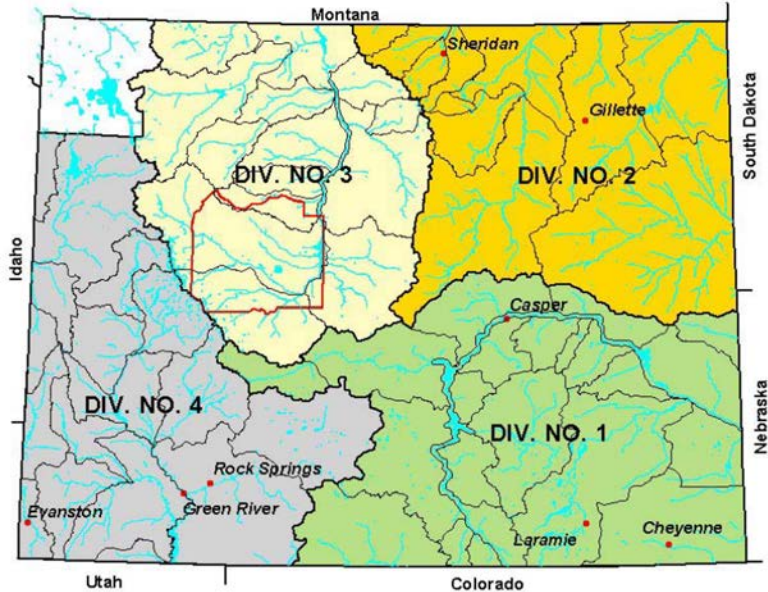
1. May 9, 2022, call onf Central Bear River, Dist 2, multiple dates for interstate call.

1. May 16, 2022, call on Fish Creek, Dist 10, to a priority date of 7/13/1889.

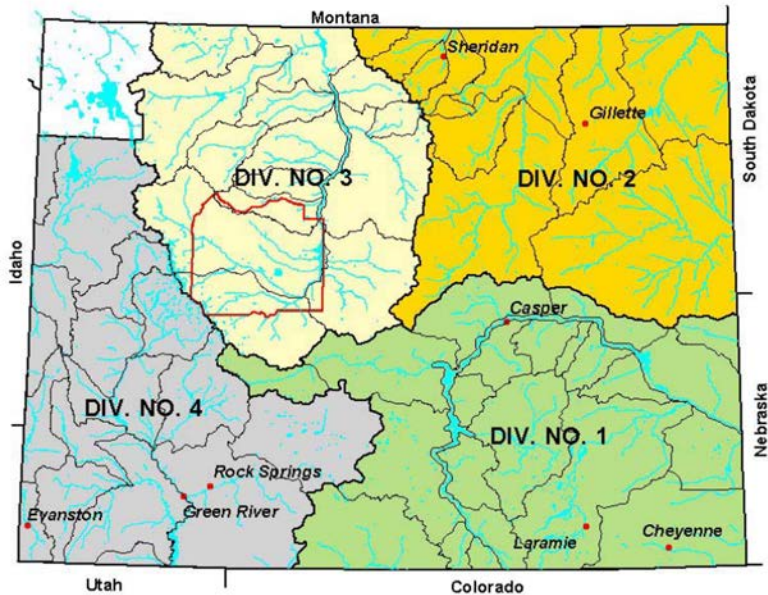
1. May 17, 2022, call on Blacks Fork River, Dist 15, to a priority date of 6/20/1910.

1. May 27, 2022, call on South Piney Creek, Dist 10, to a priority date of 12/31/1886.

1. June 6, 2022, call on Burnt Fork, Dist 14, to a priority date of 5/9/1901.







## Division 4

7. June 8, 2022, call on Smith's Fork, Dist 3, to a priority date of 3/2/1935.
7. June 13, 2022, call on Middle Piney, Dist 10, to a priority date of 6/30/1885.
7. June 13, 2022, call on Birch Creek, Dist 12, to a priority date of 6/1/1907.



## **Contact Information for Calls/Administration**

**Division 1 Superintendent–Cory Rinehart, 532-2248**

**Division 2 Superintendent–David Schroeder, 674-7012**

**Division 3 Superintendent–Joshua Fredrickson, 856-0747**

**Division 4 Superintendent–Kevin Payne, 279-3441**



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# Forecasts & Outlooks

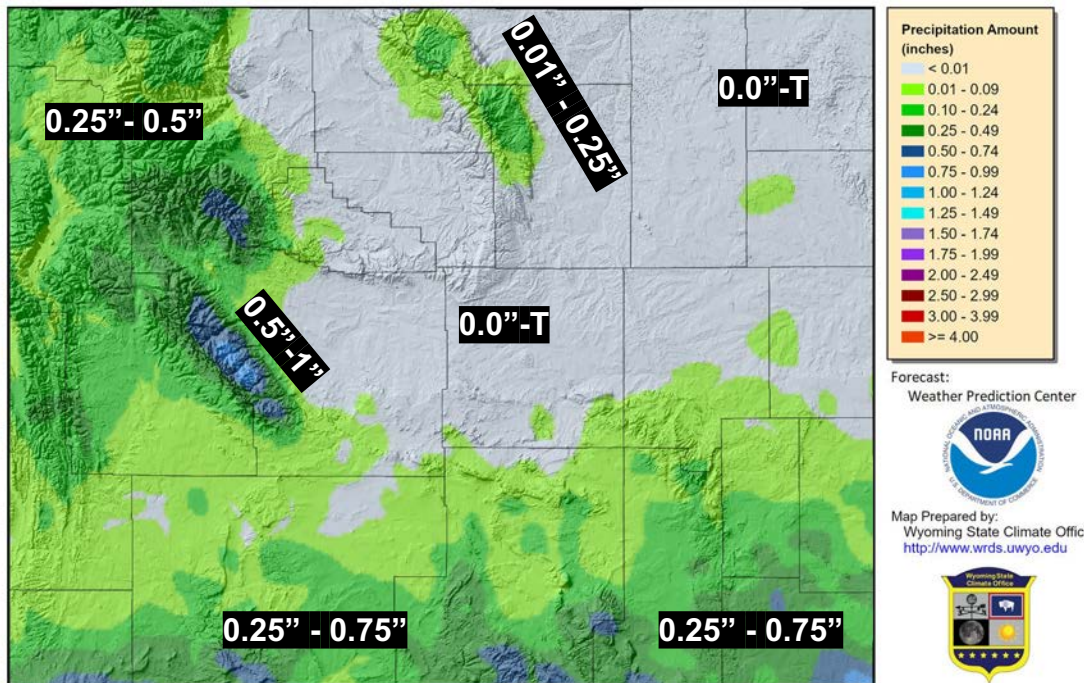




# 7-Day Total Precipitation Forecast

July 28 - August 4

7-Day Quantitative Precipitation Forecast 28 Jul 2022



Forecast:  
Weather Prediction Center



Map Prepared by:  
Wyoming State Climate Office  
<http://www.wrds.uwyo.edu>



- Cooler today then slow warming trend into weekend and next week.
- Isolated to scattered showers today, Friday, and Saturday.
- Lower rain shower coverage late weekend into Monday.
- Precipitation chances increase again Tuesday in West & SE WY.
- Localized higher rainfall amounts of >1" possible leading to flash flooding, potentially on Mullen Burn Scar.

The Quantitative Precipitation Forecast shows the liquid amount of forecasted precipitation over the next 7 days  
The Forecast is created by the National Weather Service Weather Prediction Center  
Department of Commerce, National Oceanic and Atmospheric Administration, National Weather Service, National Centers for Environmental Prediction,  
and Weather Prediction Center - <https://www.wpc.ncep.noaa.gov>  
Map Layout Created 28 Jul 2022 <http://www.wrds.uwyo.edu>

[https://bit.ly/7\\_dayQPForecast](https://bit.ly/7_dayQPForecast)



# 6-10 Day Temp & Precip Outlook

[https://bit.ly/CPC6\\_10Day](https://bit.ly/CPC6_10Day)

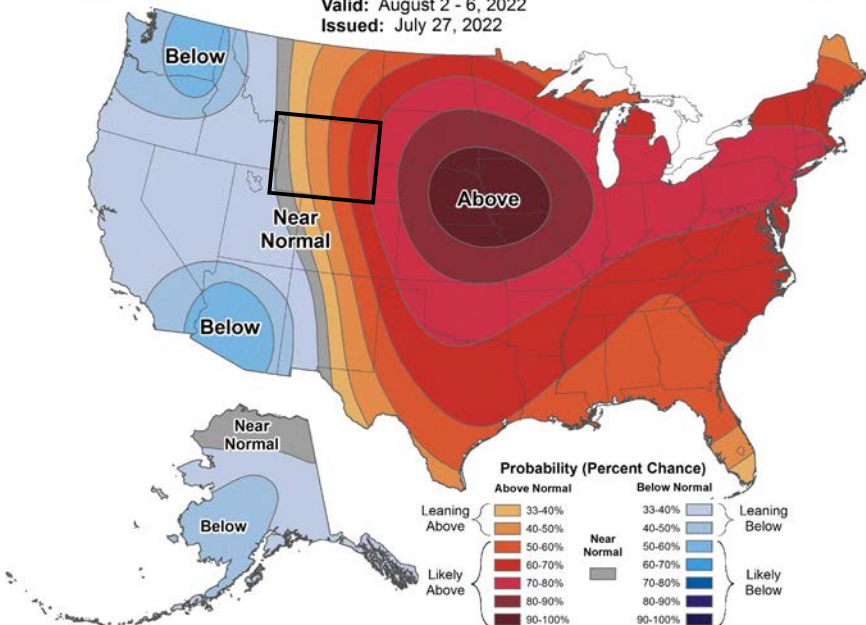
## Aug 2 - Aug 6



### 6-10 Day Temperature Outlook



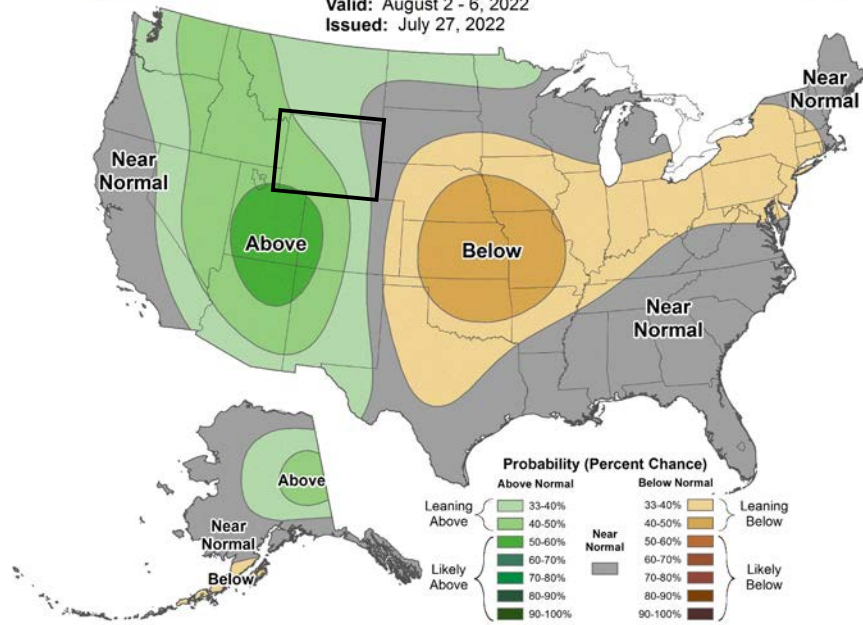
Valid: August 2 - 6, 2022  
Issued: July 27, 2022



### 6-10 Day Precipitation Outlook



Valid: August 2 - 6, 2022  
Issued: July 27, 2022



Above normal temperatures favored, especially east WY

Favored Slightly above normal central & west to near normal east



# 8-14 Day Temp & Precip Outlook

[https://bit.ly/CPC8\\_14Day](https://bit.ly/CPC8_14Day)

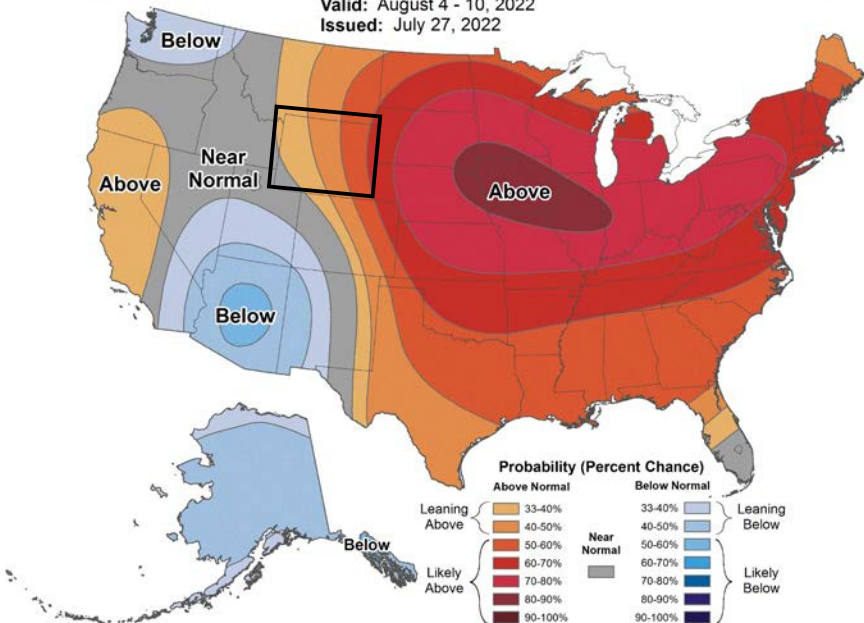
## Aug 4 - Aug 10



### 8-14 Day Temperature Outlook



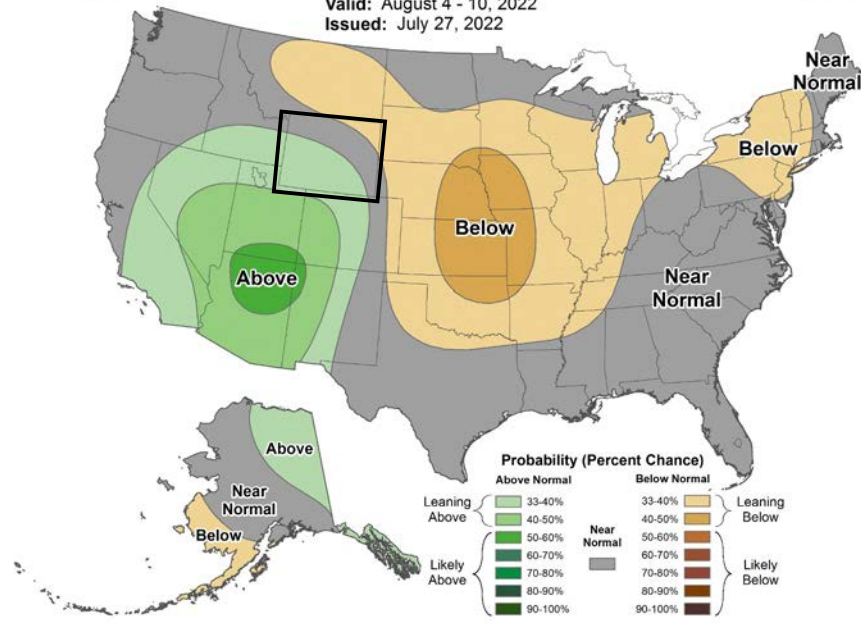
Valid: August 4 - 10, 2022  
Issued: July 27, 2022



### 8-14 Day Precipitation Outlook



Valid: August 4 - 10, 2022  
Issued: July 27, 2022



Above normal temperatures favored, especially East WY

Favored Slightly above normal Southwest to near normal Northeast





# 3-Month Temp & Precip Outlook

[https://bit.ly/CPC\\_Seasonal](https://bit.ly/CPC_Seasonal)

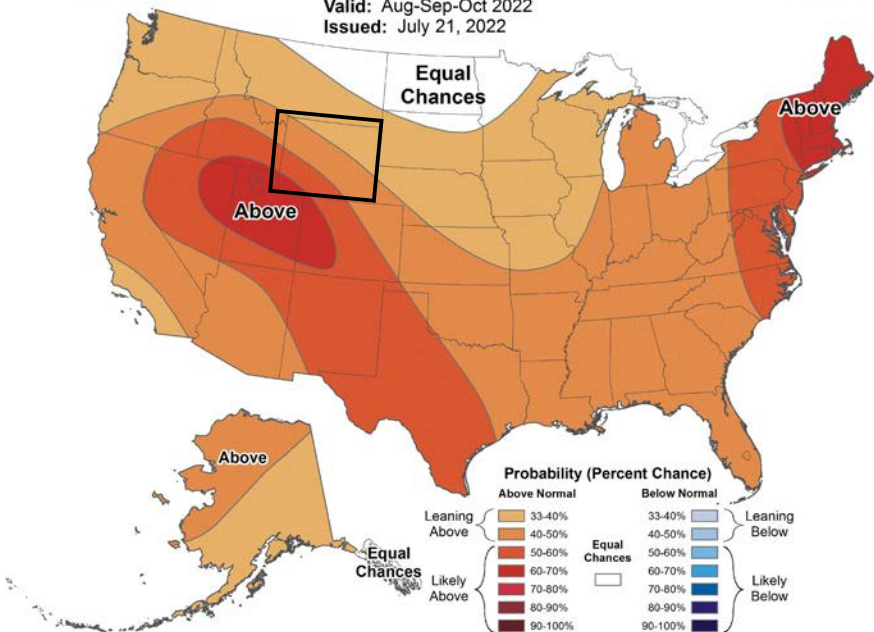
## August - September - October 2022



### Seasonal Temperature Outlook



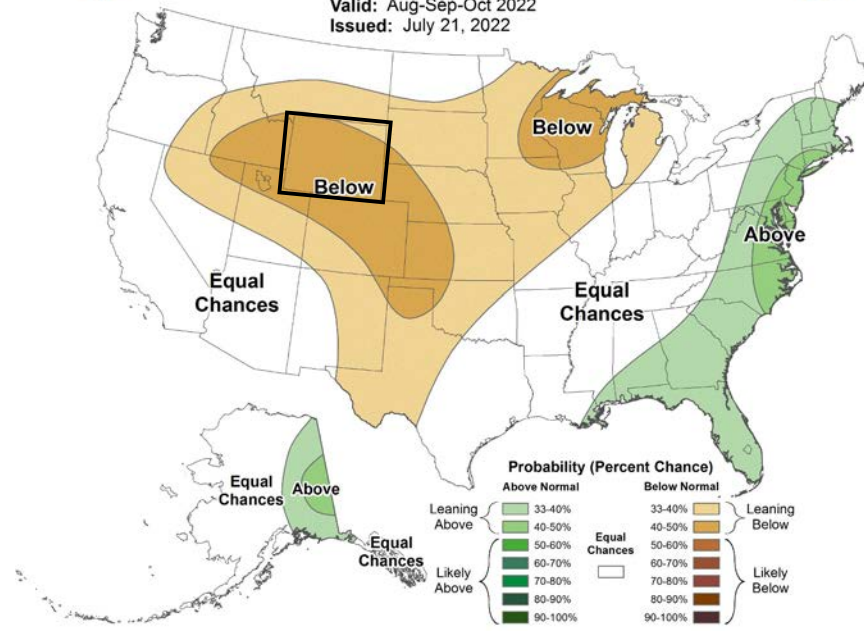
Valid: Aug-Sep-Oct 2022  
Issued: July 21, 2022



### Seasonal Precipitation Outlook



Valid: Aug-Sep-Oct 2022  
Issued: July 21, 2022



Above normal temperatures favored, especially south/southwest WY

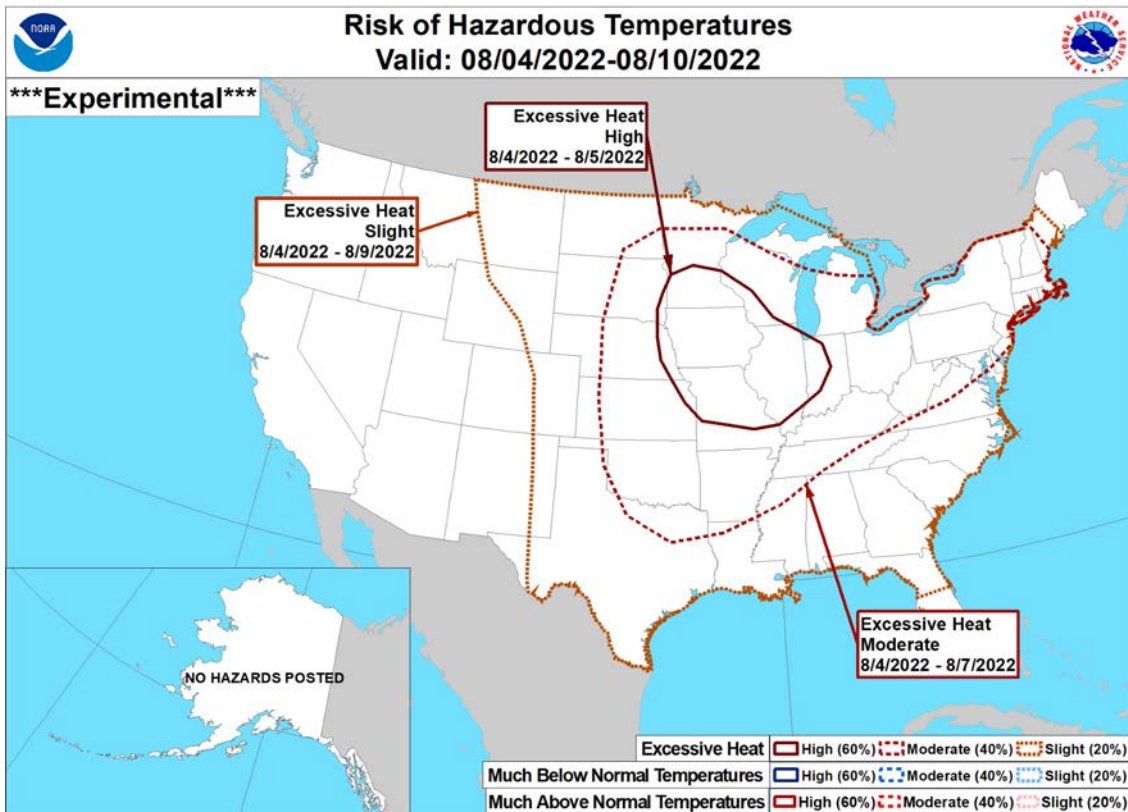
Favored below normal across much of WY



# NWS Climate Prediction Center

## 8-14 Long Range Hazard Outlook

CPC Link: <https://bit.ly/3zFP82z>



Central and East Wyoming will be on west edge of well above normal temperatures that will be focused across the Mid-West U.S.

Slight Risk of Excessive Heat  
Aug 4 - August 10

Climate Prediction Center

Made: 07/27/2022 3PM EDT

Follow us:

[www.cpc.ncep.noaa.gov](http://www.cpc.ncep.noaa.gov)



# Fuel Moistures and Energy Release Component

## Energy Release Component (ERC)

- A number related to the available energy (BTU) per unit area (square foot) within the flaming front at the head of a fire.
- It may also be considered a composite fuel moisture value as it reflects the contribution that all live and dead fuels have to potential fire intensity.
- Generally expressed as a Percentile.

## 1000-Hour Fuel Moisture (1000-hr FM)

- General indicator of drought and correlates with fire danger for a Fire Danger Rating Area
- Represents the modeled moisture content in dead fuels in the 3 to 8 inch diameter class
- The 1000-hr FM value is based on a running 7-day computed average using length of day, daily temperature and relative humidity extremes (maximum and minimum values) and the 24-hour precipitation duration values.

**100-Hour Fuel Moisture (100-hr FM)**- 1" to 3" Dead Fuels

**10-Hour Fuel Moisture (10-hr FM)**- ¼" to 1" Dead Fuels

**1-Hour Fuel Moisture (1-hr FM)**- 0" to ¼" Dead Fuels

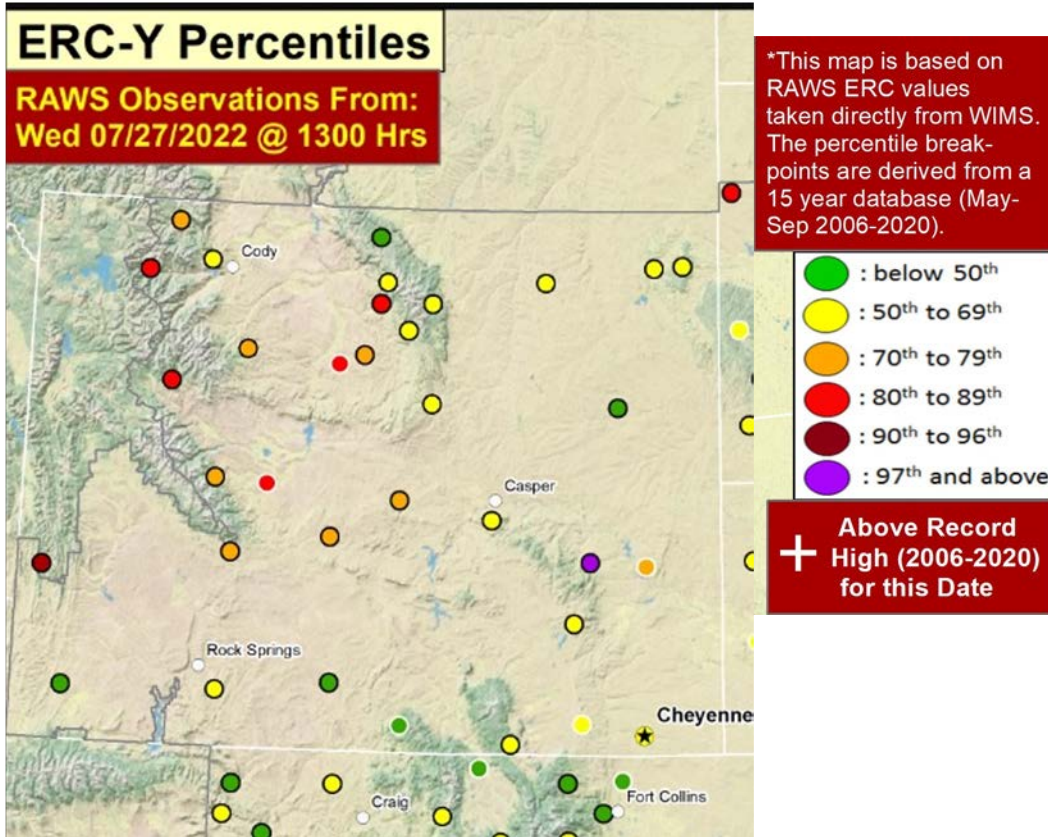
**Live Fuel Moisture-** Fuels transition from dormancy to green-up in the spring and early summer, then back to dormancy in the fall.





# Energy Release Component

Current Status as of 07/27/2022

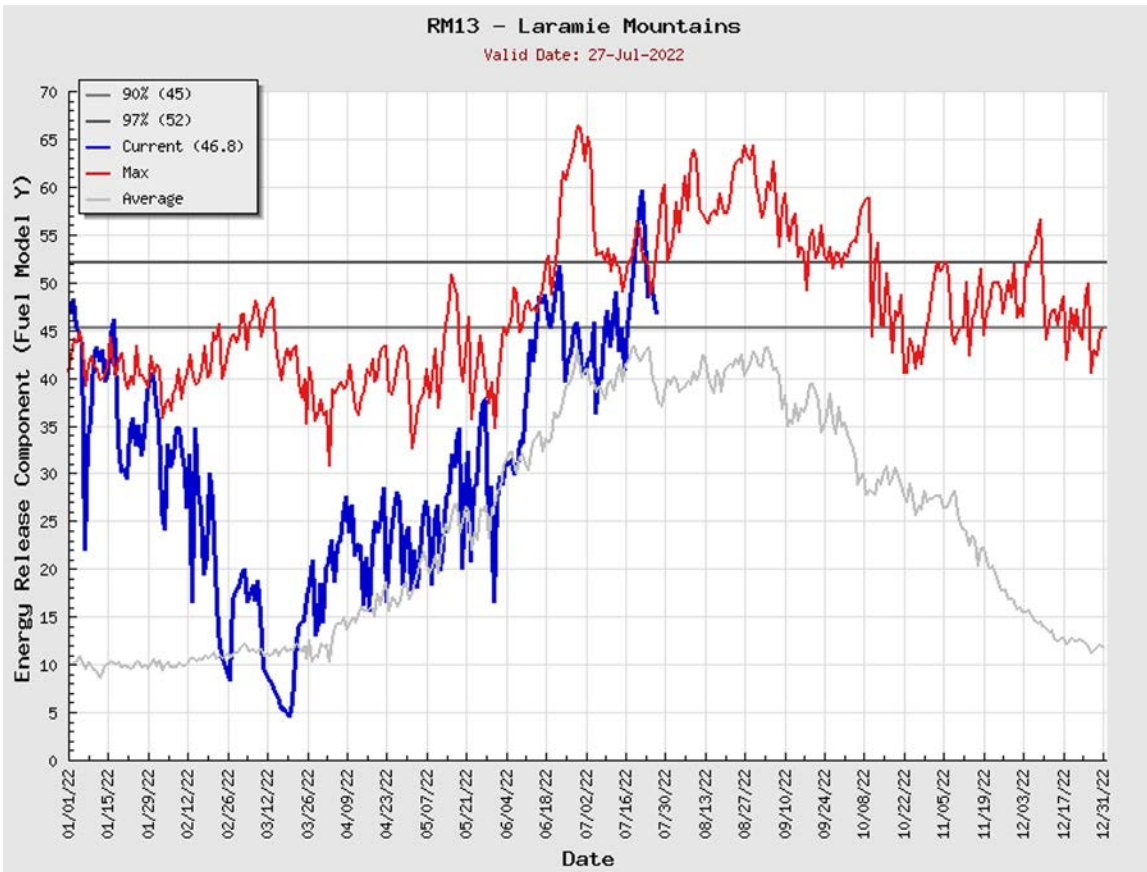


- Values are relative to this date in history.
- NW and W Wyoming showing the highest Percentiles- Mostly 80<sup>th</sup> and Above
- Reprive in SW Wyoming.



# Energy Release Component

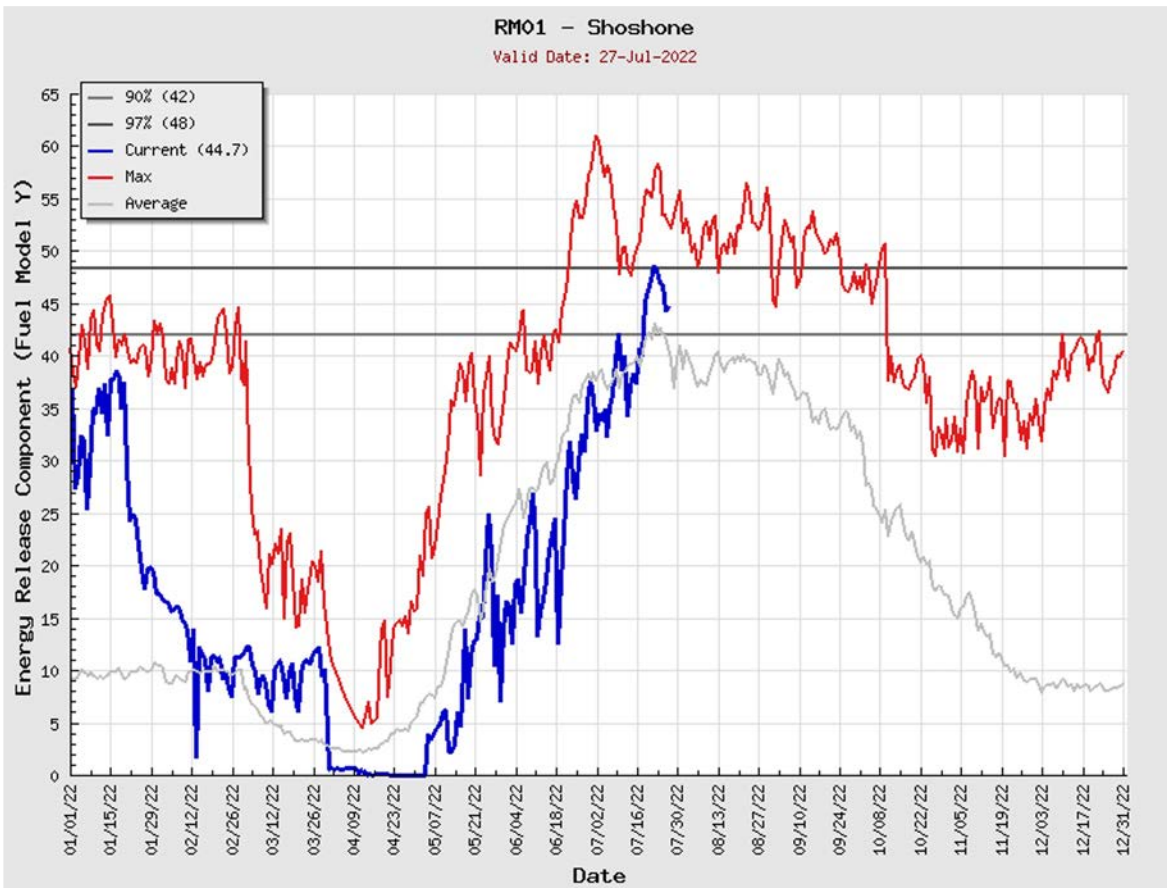
## Current Status: Laramie Mountains (valid 7/27/22)





# Energy Release Component

## Current Status: Shoshone (valid 7/27/22)

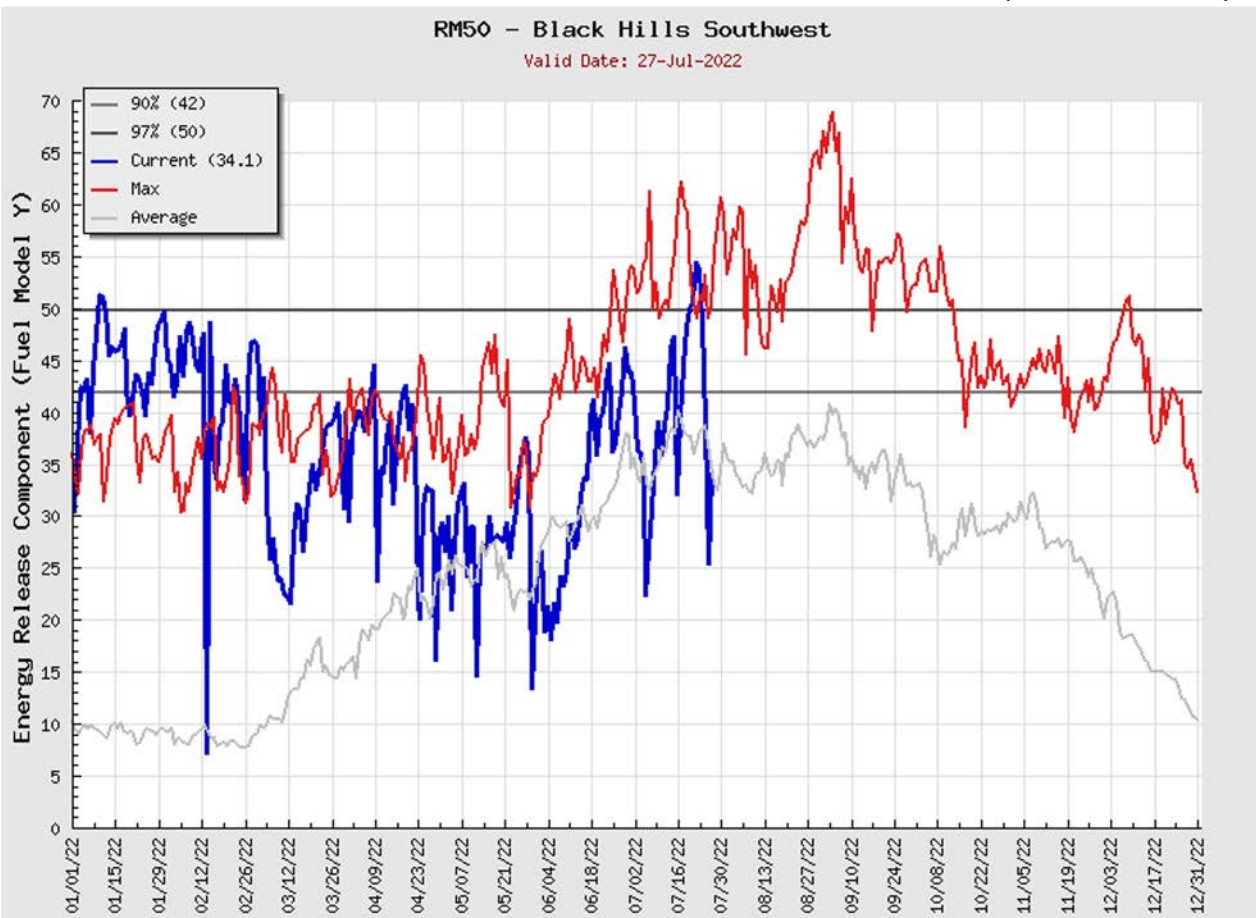






# Energy Release Component

## Current Status: Black Hills SW (valid 7/27/22)





# Seasonal Outlooks

**Significant Wildland Fire Potential Outlook  
August 2022**



**Significant Wildland Fire Potential Outlook  
September 2022**





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# How to get involved ...

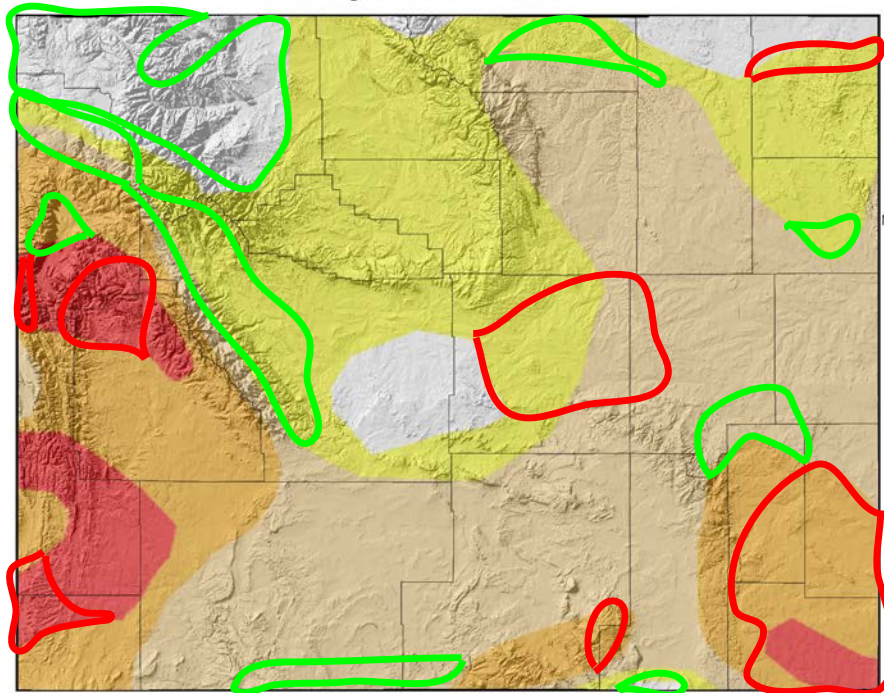


# US Drought Monitor for July 26, 2022

(Released Thursday, July 28, 2022)

Valid 8 a.m. EDT

US Drought Monitor for 26 Jul 2022



Map Created by:  
National Drought Mitigation Center  
<https://droughtmonitor.unl.edu>



Map Layout Prepared by:  
Wyoming State Climate Office  
<http://www.wrds.uwyo.edu>



Drought Level	Percentile
None	>30
D0 (Abnormally Dry)	21 to 30
D1 (Moderate Drought)	11 to 20
D2 (Severe Drought)	6 to 10
D3 (Extreme Drought)	3 to 5
D4 (Exceptional Drought)	0 to 2

<https://youtu.be/45MQ1GB-uTc>

**Improvements** and **degradations** in the last month. Recent precipitation is starting to erode some of the areas but longer term dryness is filling in others.

The U.S. Drought Monitor, is a weekly map of drought conditions produced jointly by the National Oceanic and Atmospheric Administration, the U.S. Department of Agriculture, and the National Drought Mitigation Center (NDMC) at the University of Nebraska-Lincoln. The U.S. Drought Monitor website is hosted and maintained by the NDMC. <http://droughtmonitor.unl.edu>

Map Layout Created 28 Jul 2022 <http://www.wrds.uwyo.edu>

<https://droughtmonitor.unl.edu>

Has your agricultural operation been impacted by drought? USDA offers programs that can help with recovery as well as those that can help you manage risk and build resilience on your operation.

### **i** Emergency Relief Program (ERP)

USDA announced that commodity and specialty crop producers impacted by natural disaster events in 2020 and 2021 will soon begin receiving emergency relief payments totaling approximately \$6 billion through the Farm Service Agency's (FSA) new [Emergency Relief Program \(ERP\)](#) to offset crop yield and value losses.

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## On This Page

 [Recovery on Your Operation](#)

 [Impacts of Drought](#)

 [Protect Your Operation](#)

 [Resources](#)

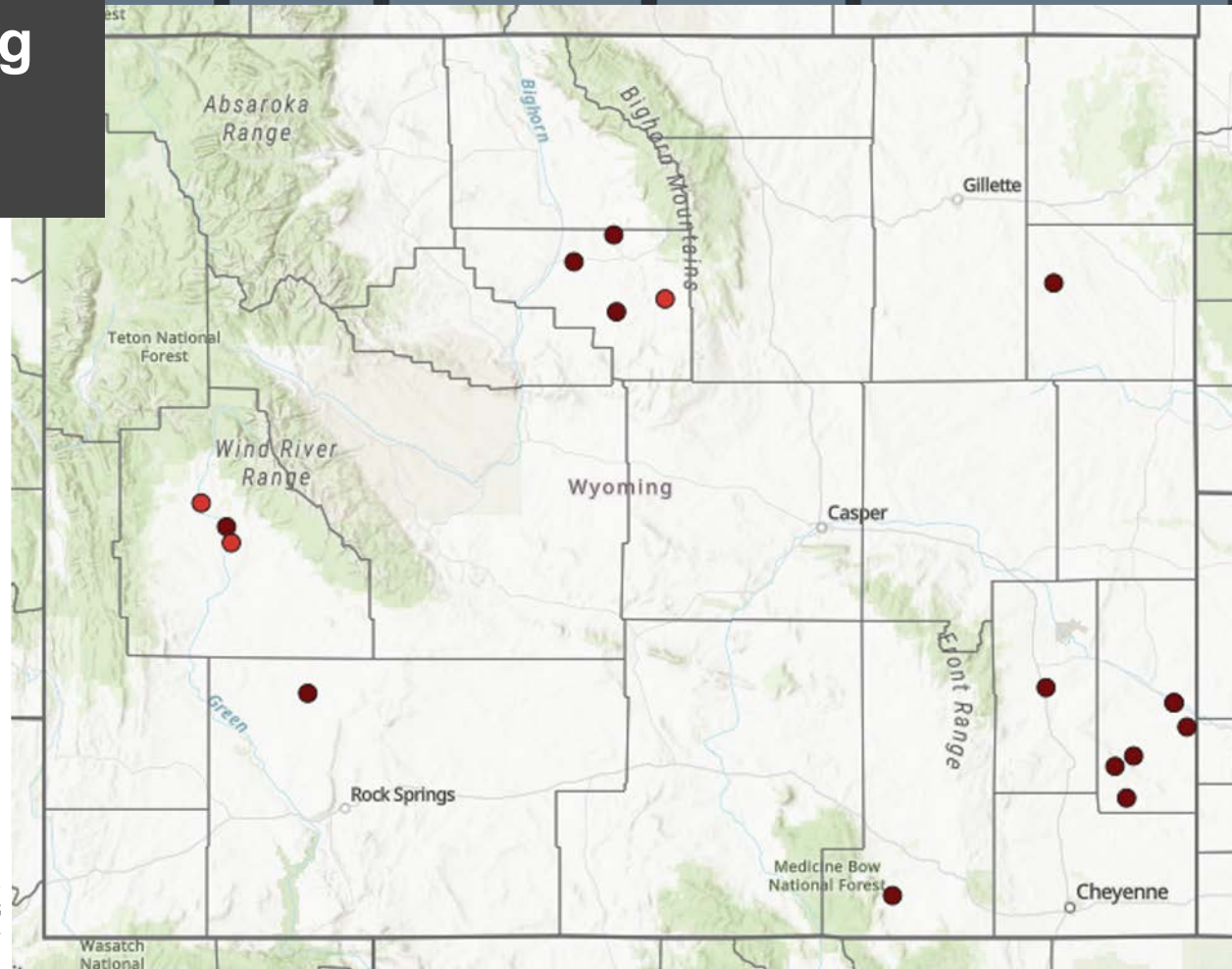
 [Reporting Losses](#)

 [Latest News](#)

# Condition Monitoring Observer Reports

<https://bit.ly/3OzbDud>

- Severely Dry
- Moderately Dry
- Mildly Dry
- Near Normal
- Mildly Wet
- Moderately Wet
- Severely Wet

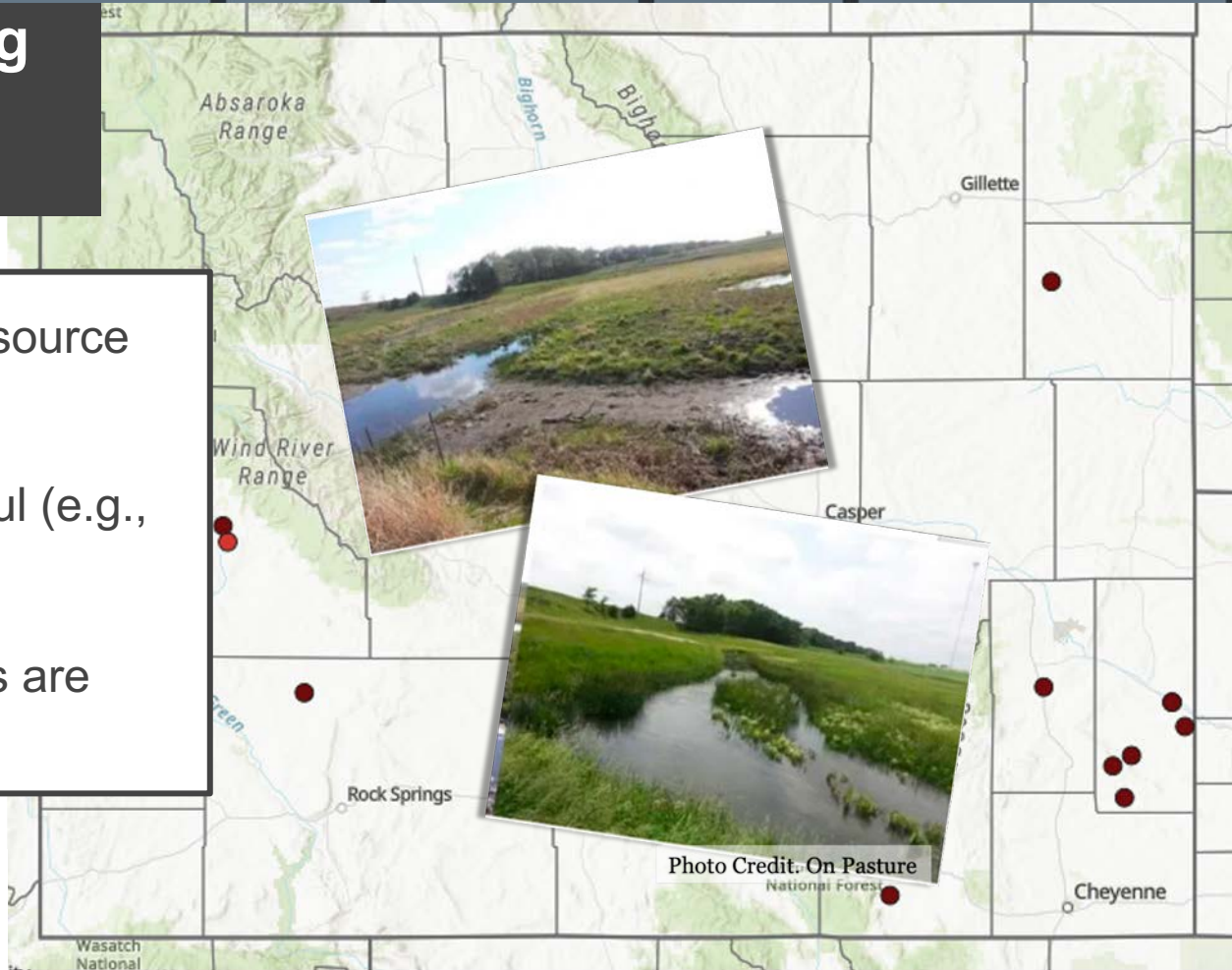




# Condition Monitoring Observer Reports

<https://bit.ly/3OzbDud>

- Comparison photos → resource conditions
- Regular reporting is helpful (e.g., monthly)
- **Note:** Reports and photos are available to the public.









## COMMUNITY COLLABORATIVE RAIN, HAIL & SNOW NETWORK

*"Because every drop counts"*

Home | Countries | States | View Data | Maps | My Data | My Account | Admin | Logout



### My Data Entry : Daily Precipitation Report Form

For observations spanning more than 24 hours, please use the [multiple day accumulation report](#) Français

**Enter My New Reports**

- Daily Precipitation
- Multi-Day Accumulation
- Hail
- Significant Weather
- Monthly Zeros
- Condition Monitoring Record
- Soil Moisture
- Evapotranspiration
- Ice Accretion - Pile
- FROST Reports
- Frost
- Cliffs
- Snowfall
- Thunder

**List/Edit My Reports**

- Daily Precipitation
- Multi-Day Accumulation
- Hail
- Significant Weather
- Condition Monitoring Record
- Soil Moisture
- Evapotranspiration
- FROST Reports
- Frost
- Cliffs
- Snowfall
- Thunder

**Precipitation Report Form** Submit Reset

Station Number : **WY-AB-138**

Station Name : **Laramie 1.8 ENE**

\* Denotes Required Field

7/28/2022 \*Observation Date

11:00 AM \*Observation Time

0.00 in \*Gauge Catch: Rain and Melted Snow to the nearest hundredth inch that has fallen in the gauge during the past 24 hours, or T for trace, or NA for unknown.

Observation Notes: (This will be available to the public)

**24-hr Snowfall**

0.00 in **Snowfall:** Accumulation of new snow in inches to the nearest tenth

0.00 in **Snowfall SWE:** Melted value from core to the nearest hundredth

**Snowpack (Total Snow and Ice on Ground at Observation Time)**

0.00 in **Snowpack Depth:** Total snow and ice (new and old) in inches to the nearest half inch

0.00 in **Snowpack SWE:** Melted value from core to the nearest hundredth

**Duration Information**

If a time is unknown or the storm has not ended leave it blank.

Precipitation Began   AM  PM

Precipitation Ended   AM  PM

Heaviest Precipitation Began   AM  PM

Heaviest Precipitation Lasted  minutes

These times are:  Select Time Accuracy

**Additional Information**

Any Flooding?  Select a Flooding Value

Yes  No **Did you record hourly precipitation (or other detailed time increments) for this storm?**

Yes: CoCoRaHS personnel may request a copy of this data file to create a D2 license.

Submit Data Reset

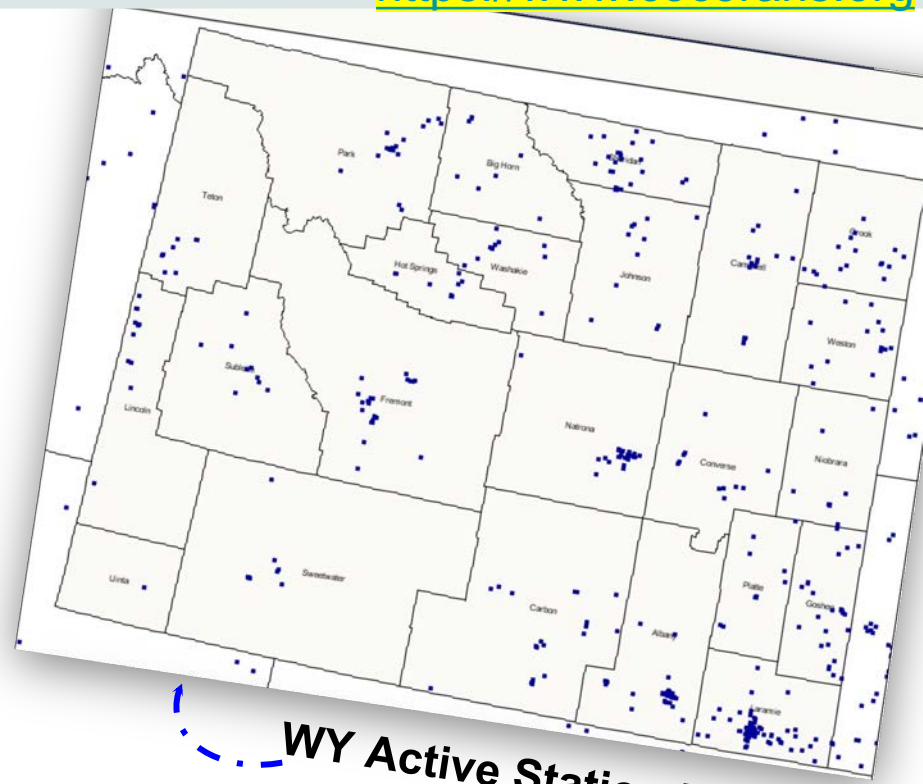
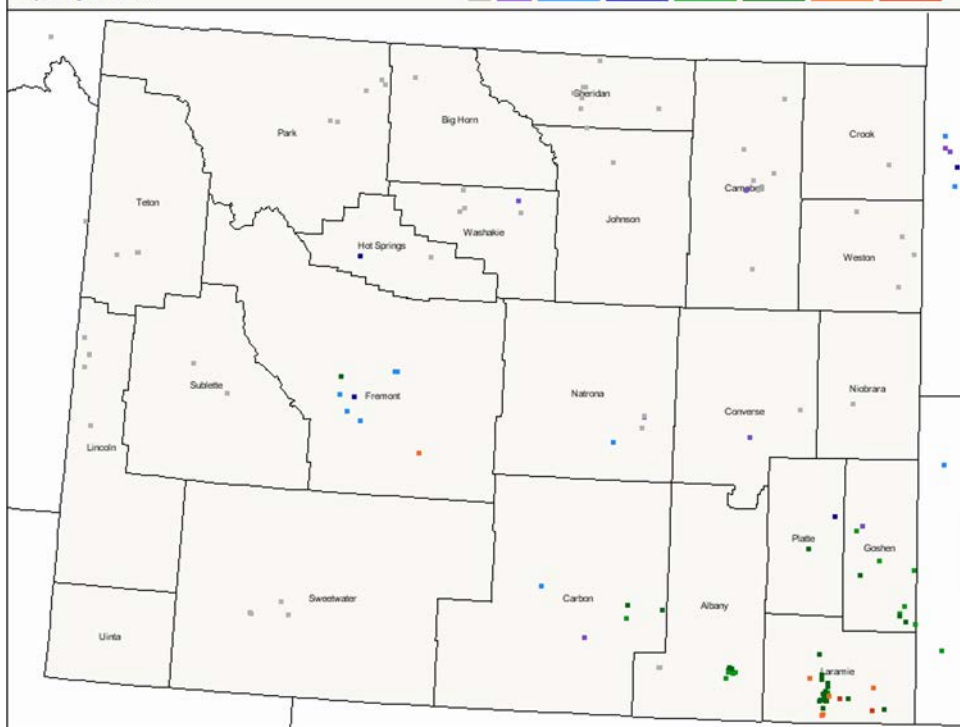
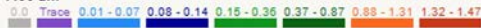
<https://www.cocorahs.org>

For questions or comments concerning this web page please contact [info@cocorahs.org](mailto:info@cocorahs.org).  
 Unless otherwise noted, all content on the CoCoRaHS website is released under a Creative Commons Attribution 3.0 License.  
 Source: Public Data Release Policy Copyright © 2008-2022, Colorado Climate Center, All rights reserved.

**July 28, 2022:  
24-hour precip as of ~ 7 am**

Daily Precipitation (inches x.xx), for the 24 hour period ending ~7:00 am

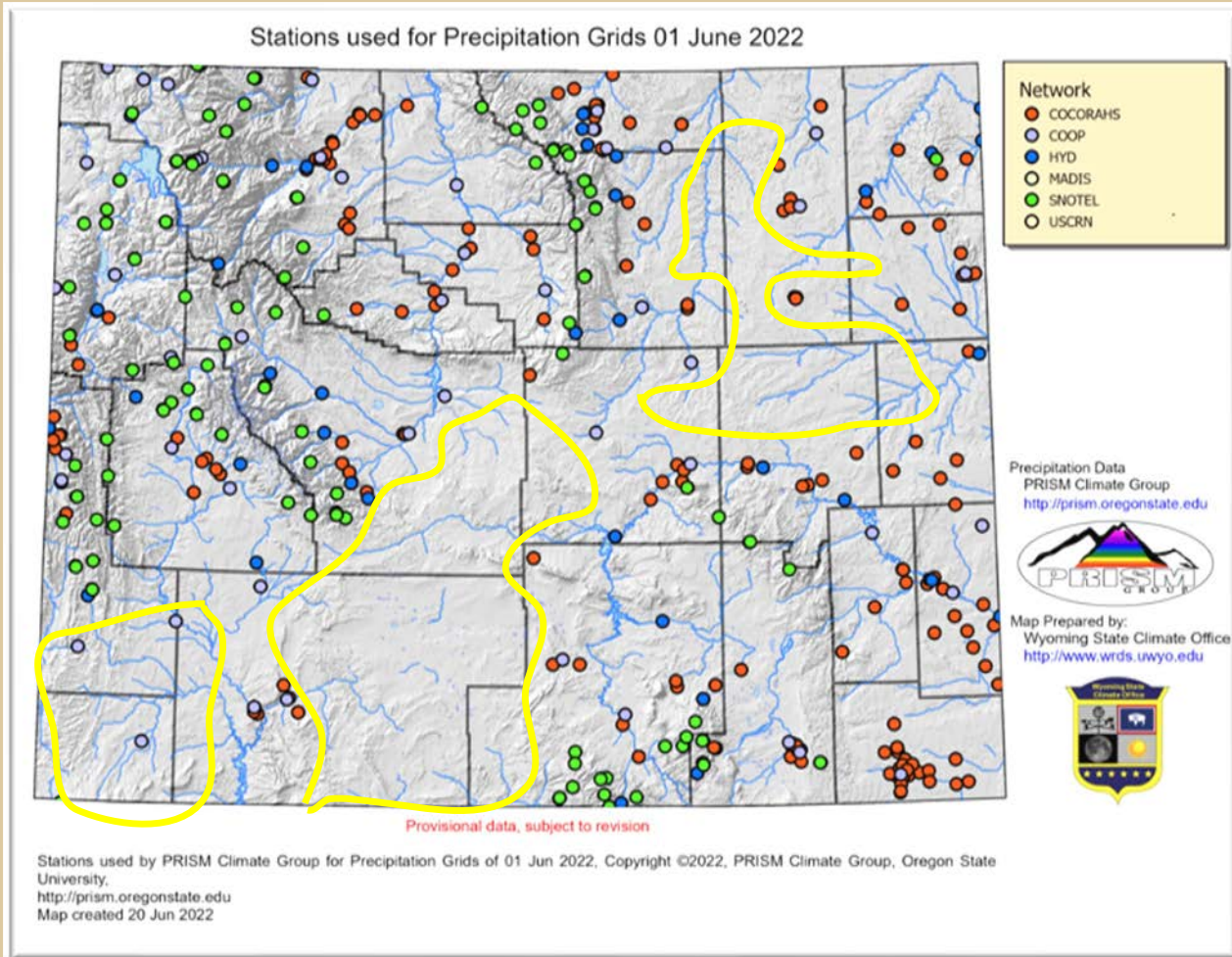
Wyoming 7/28/2022



**WY Active Station Locations**



Different networks of stations and their locations for the data used to generate Precipitation Grids for 01 June 2022







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## Joel Peters

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*The Wyoming Conditions Monitoring Team (WCMT) organized and hosted this webinar. The WCMT is a collaborative effort of state, federal, tribal, and university partners that monitor conditions & impacts throughout the state on a weekly basis – and communicate this information to the U.S. Drought Monitor among others.*

**Learn more at:**

<https://drought.wyo.gov>

# Thank you! Questions?