WY Conditions & Outlooks:

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

November 12, 2026

The University of Wyoming is an equal opportunity/affirmative action institution.

Presentation Outline

- **Current Conditions:** Overview
  - Drought, Temperature, Precipitation, Soil Moisture, and Snow Water Equivalent
  - Streamflows
  - Reservoir Levels
- **Water Year Recap:**
  - SEO Water Administration Summary, Water Calls & Allocations
- **Outlooks:** Overview
  - Temperature & Precipitation
- **Highlight of the Month:**
  - Voluntary Water Conservation Program, WY State Engineer's Office
- **Questions**

Current Conditions

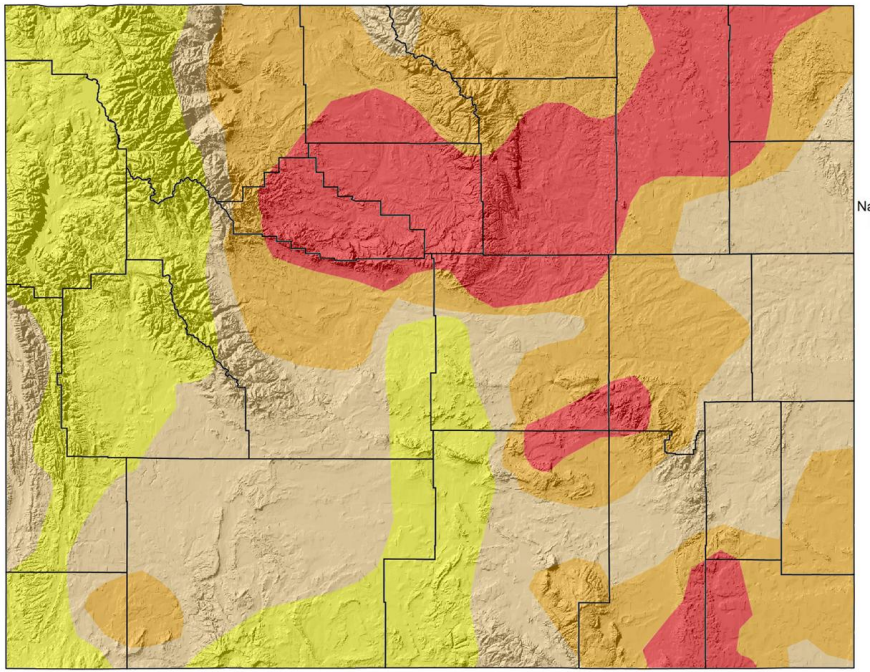
US Drought Monitor for November 10th, 2026

(Released Thursday, Nov 12th, 2026)

Valid 8 a.m. EDT

Drought Level	Percentile
None	>30.01
D0 (Abnormally Dry)	20.01 to 30
D1 (Moderate Drought)	10.01 to 20
D2 (Severe Drought)	5.01 to 10
D3 (Extreme Drought)	2.01 to 5
D4 (Exceptional Drought)	0 to 2

US Drought Monitor for 10 Nov 2026



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

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

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 Created 12 Nov 2026 06:35 https://www.wrds.uwyo.edu

How are Drought categories assigned?
https://youtu.be/45MQ1GB-uTc

No Degradations since the last webinar. Improvement in many areas of the southern ⅔ of the state. Expanded D0 (Abnormally Dry) diminishing areas of higher/worse Drought levels.

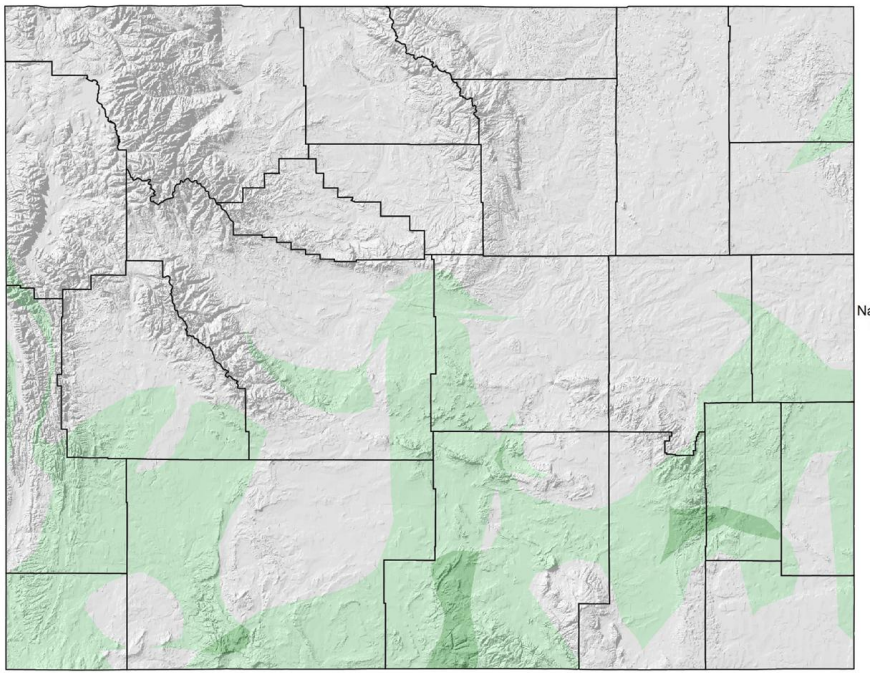
https://droughtmonitor.unl.edu

droughtmonitor.unl.edu

US Drought Monitor Change since Last Webinar 15 Oct 2026 to 10 Nov 2026)

Drought Level	Percentile
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Map Layout and Comparisons created 12 Nov 2026 06:35 https://www.wrds.uwyo.edu

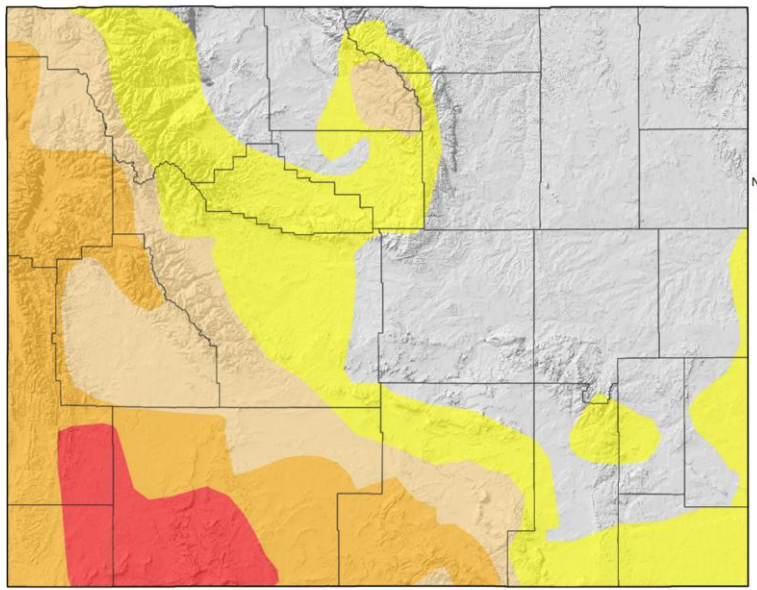
https://droughtmonitor.unl.edu

droughtmonitor.unl.edu

WRDS
Water Resources Data System

One Year Ago

US Drought Monitor for 11 Nov 2025



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

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

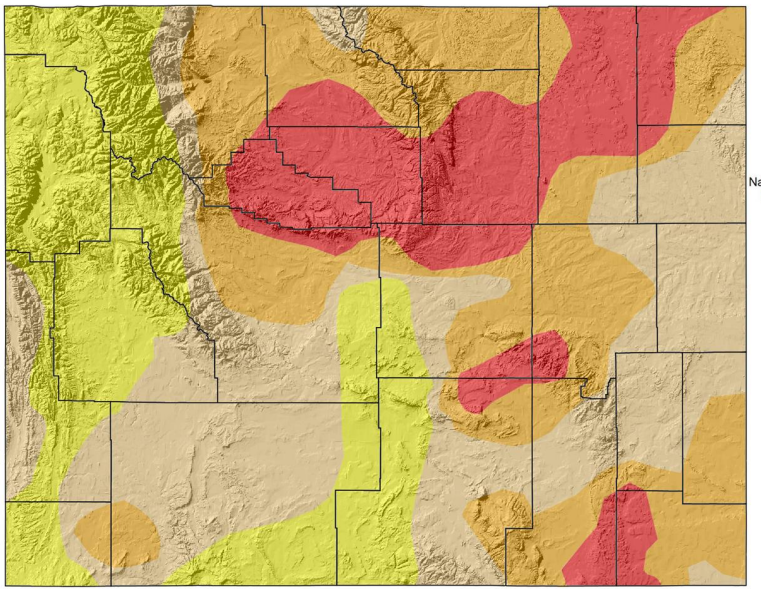
Map Layout Prepared by:
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Map Layout Created 13 Nov 2025 08:20 https://www.wrds.uwyo.edu

Today

US Drought Monitor for 10 Nov 2026



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

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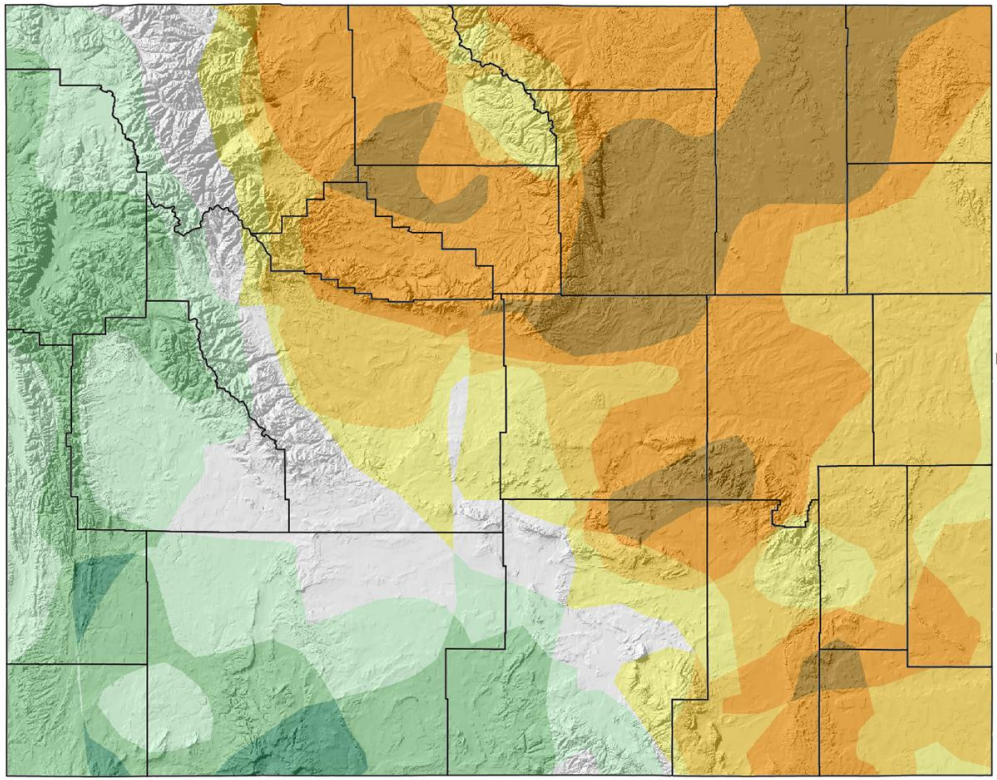
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Map Created 12 Nov 2026 06:35 https://www.wrds.uwyo.edu

https://droughtmonitor.unl.edu

droughtmonitor.unl.edu

1-Year US Drought Monitor Change (16 Sep 2025 to 13 Oct 2026)

US Drought Monitor Change from 11 Nov 2025 to 10 Nov 2026



US Drought Monitor

- 5-Class Degradation
- 4-Class Degradation
- 3-Class Degradation
- 2-Class Degradation
- 1-Class Degradation
- 1-Class Improvement
- 2-Class Improvement
- 3-Class Improvement
- 4-Class Improvement
- 5-Class Improvement

Drought Maps Created by:
National Drought Mitigation Center
https://droughtmonitor.unl.edu

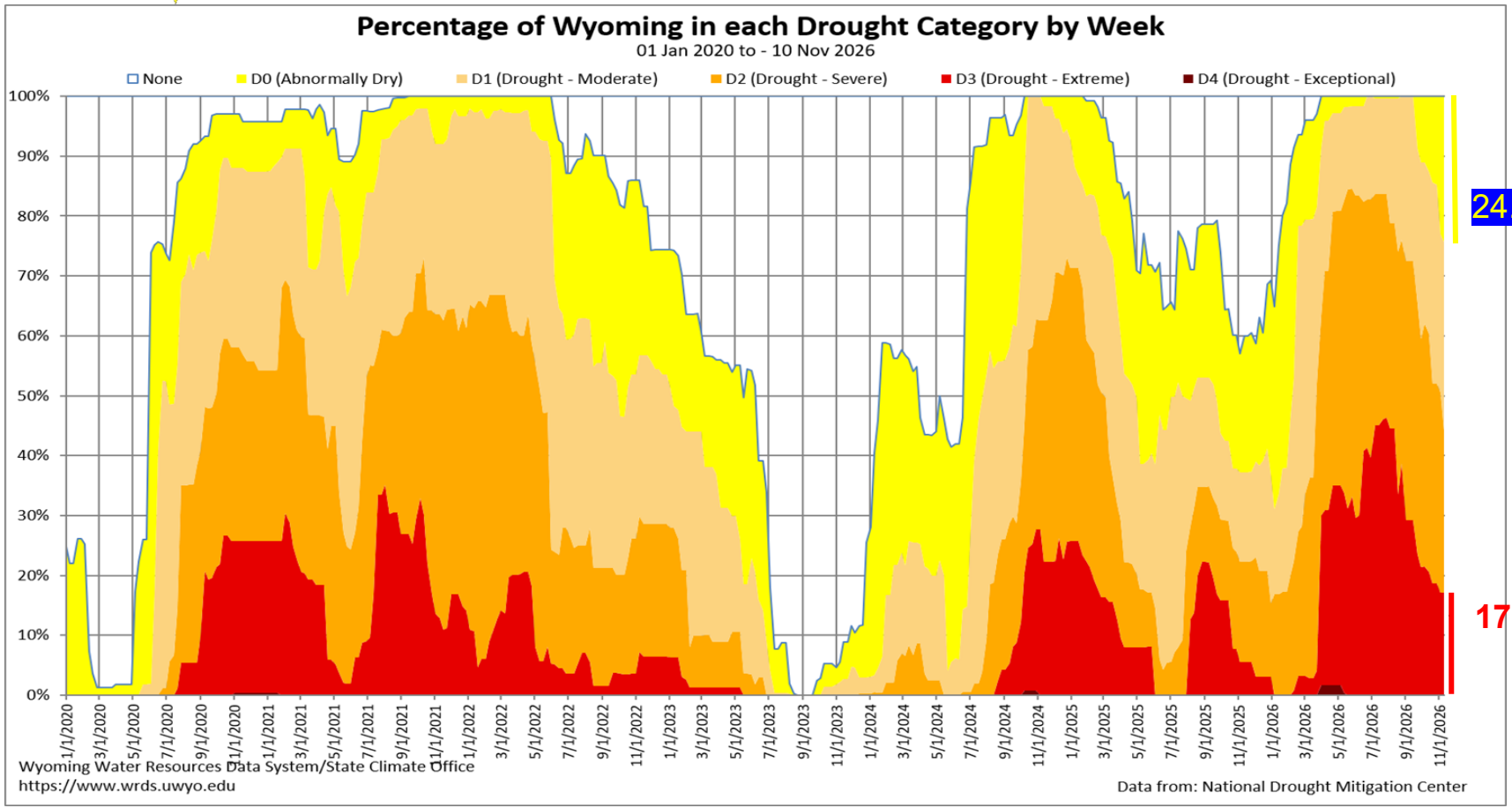
Map Layout and
Class Calculation by:
Wyoming State Climate Office
https://www.wrds.uwyo.edu

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Map Layout and Comparisons created 12 Nov 2026 06:35 https://www.wrds.uwyo.edu

WRDS Water Resources Data System

Wyoming Area Affected: 100% D0-D4 ; 75.65% D1-D4



https://www.wrds.uwyo.edu/drought/droughttimeline.html

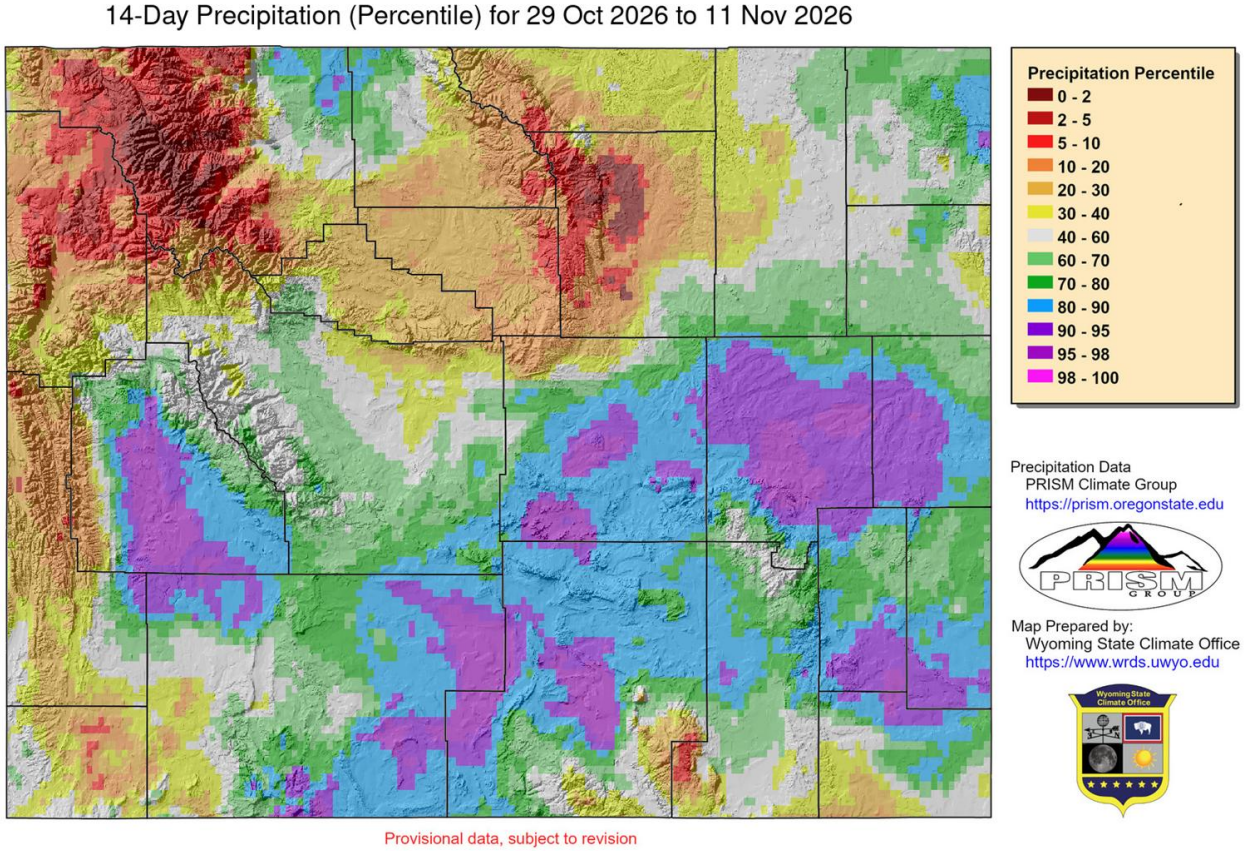
14-Day Precipitation Percentile (29 Oct 2026 to 11 Nov 2026)

Above Median:

- Upper Green
- Northern Bighorn Basin
- Much of Southeastern two-thirds of WY

Below Median (*Areas of Concern*):

- Northeast Wyoming
- Northcentral Wyoming
- Southern Mountains



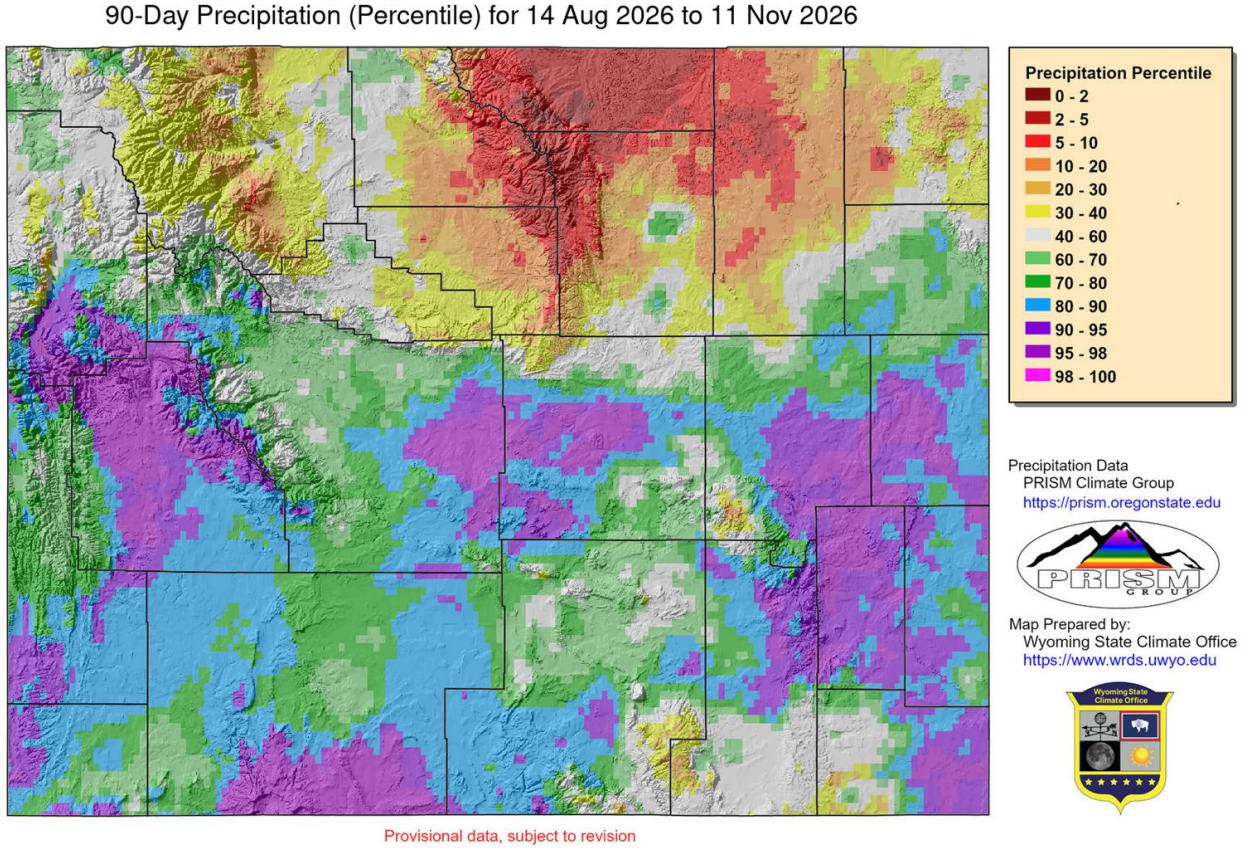
90-Day Precipitation Percentile (14 Aug 2026 to 11 Nov 2026)

Above Median:

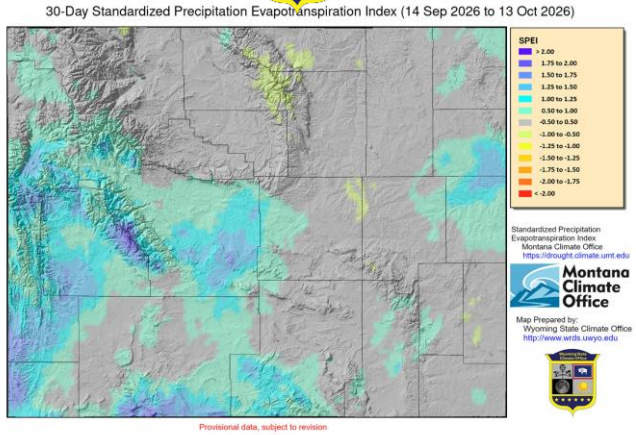
- Southern two-thirds of WY

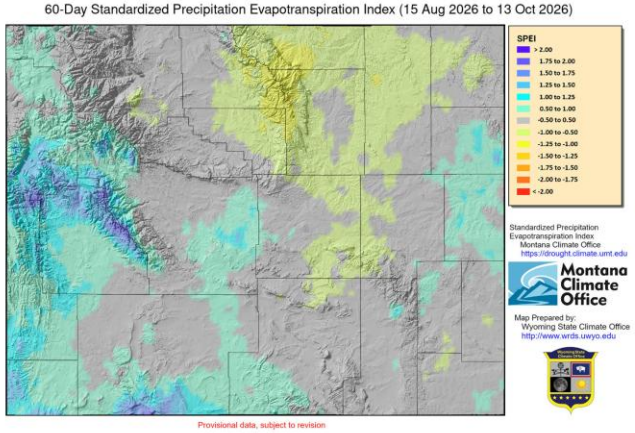
Below Median (*Areas of Concern*):

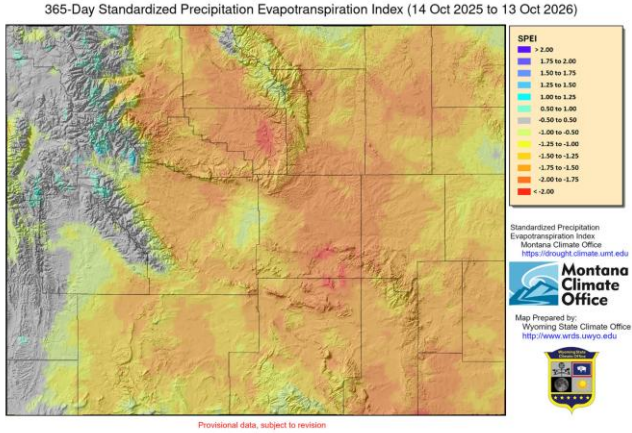
- Northcentral WY



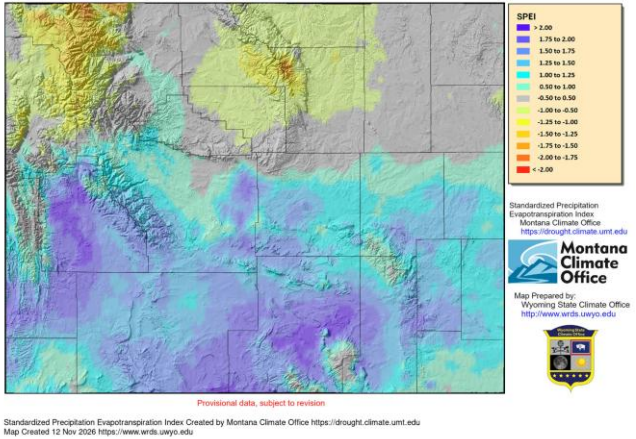
Standardized Precipitation Evapotranspiration Index



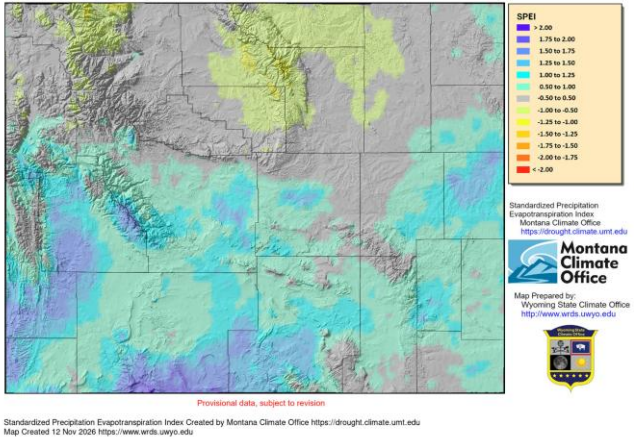




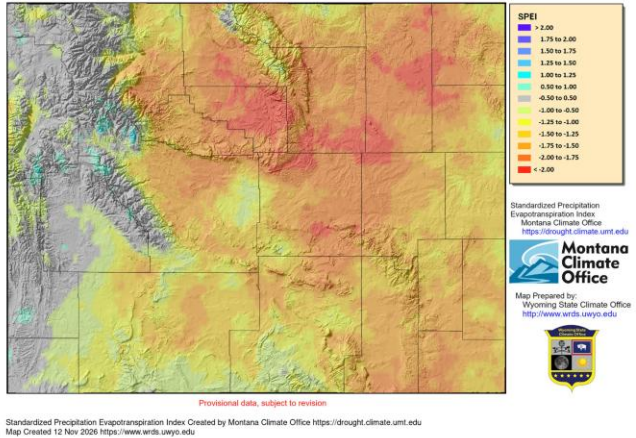
30-Day



60-Day



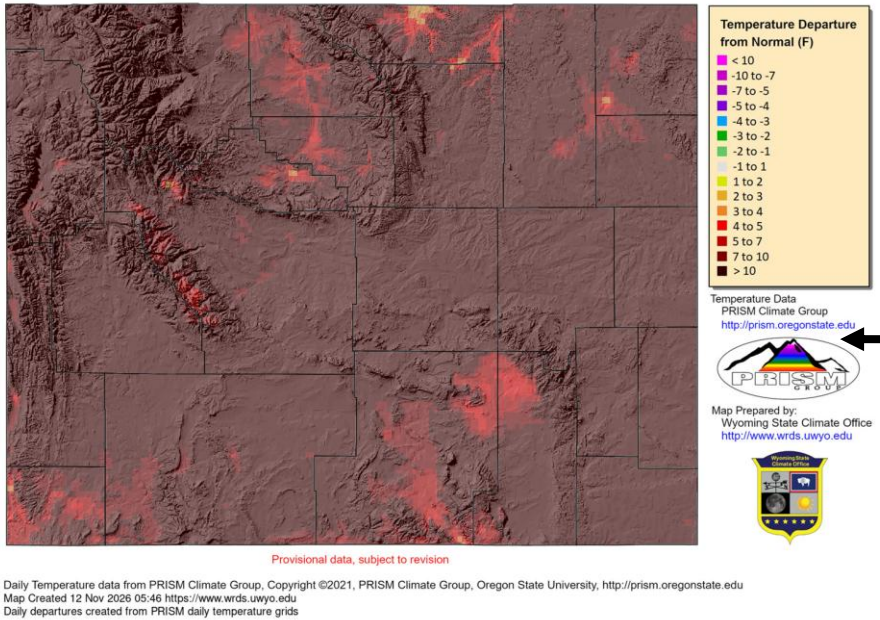
1-Year

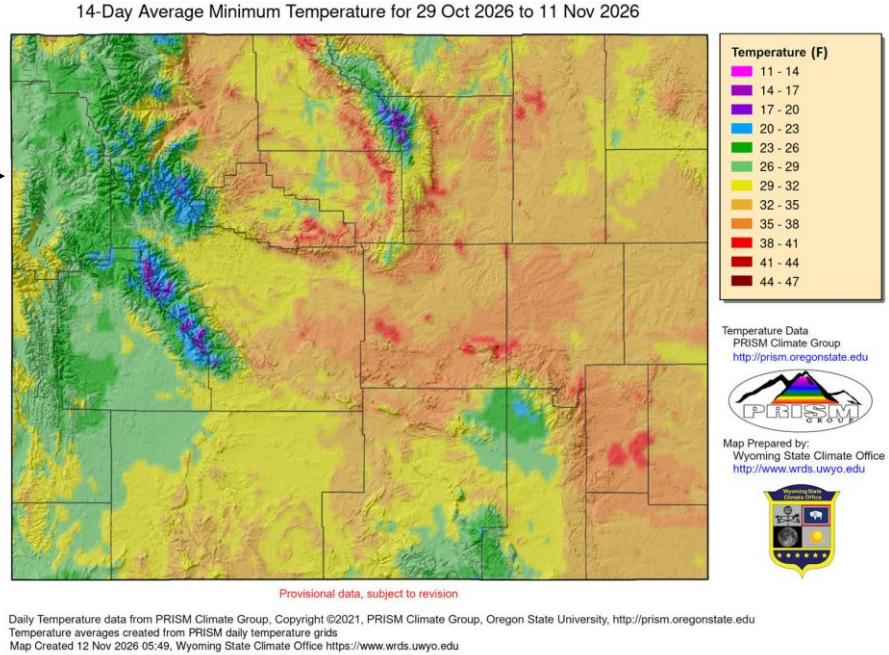


https://drought.climate.umt.edu

14-Day Average Minimum Temperature (29 Oct to 11 Nov)

- Nighttime lows below freezing for most of west, high elevations,
- Laramie Valley, etc
- Southern Platte County & scattered areas high 30s low 40s.



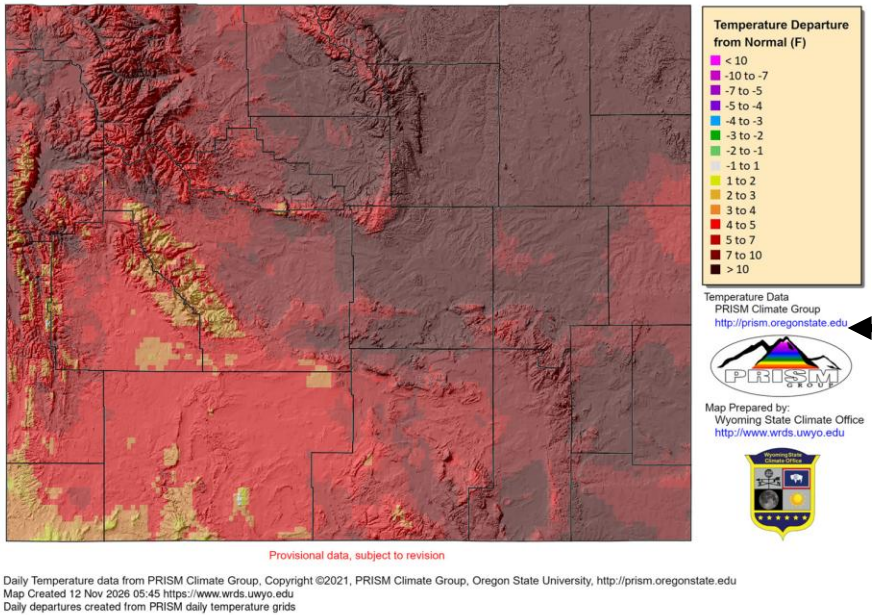


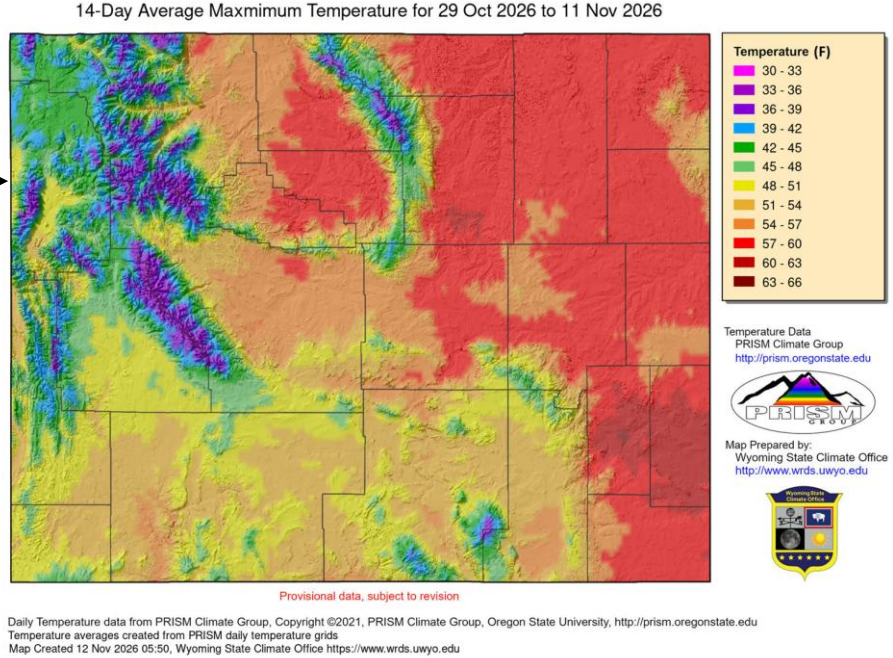
14-Day *Departure from* Normal Average Minimum Temperature

- Well above normal across Wyoming
- Almost all of WY >10F above normal
- Remainder >5F above normal except very minor lowlands of Sheridan County (3 to 4F above normal)

14-Day Average Maximum Temperature (29 Oct to 11 Nov)

- E Plains and Low Elevations of North Central WY in upper 50s and lower 60s.
- Mountains Mid 40s and lower.
- Upper 40s and low 50s for remainder of Wyoming



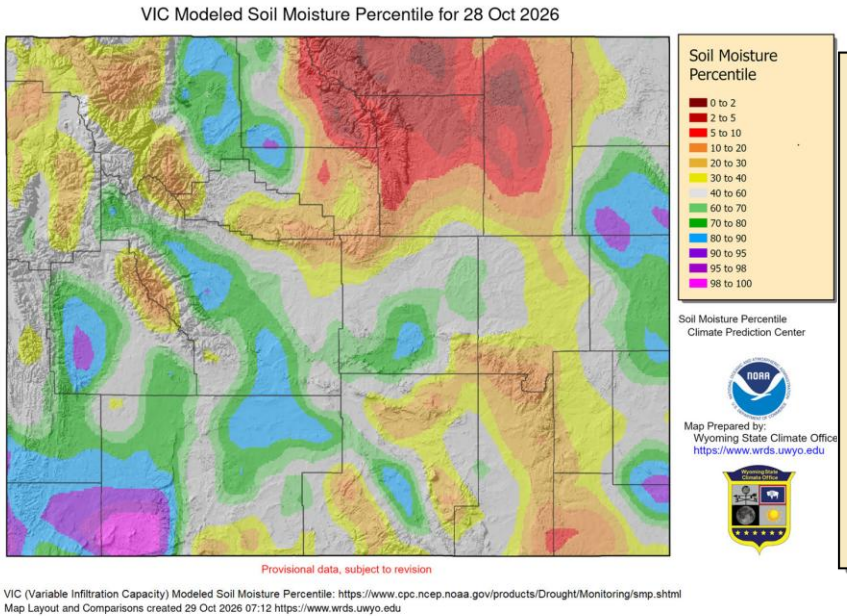


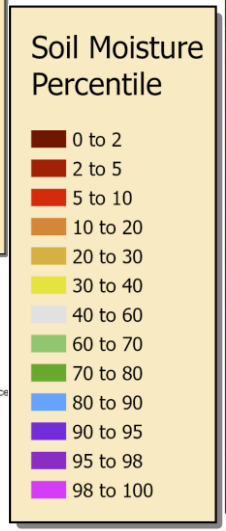
14- Day *Departure from* Normal Average Maximum Temperature

- Northeast WY > 10F above normal
- Southeast/Northwest WY >5F above normal
- Southwest WY mostly 4F to 5F above normal

Soil Moisture Percentile

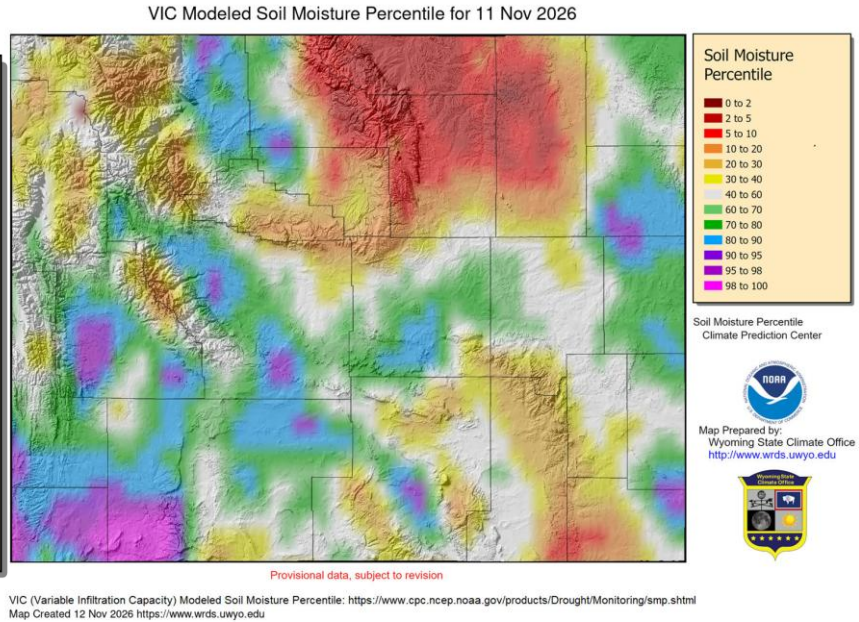
~Two Weeks Ago





VIC (Variable Infiltration Capacity) Modeled Soil Moisture Percentile: https://www.cpc.ncep.noaa.gov/products/Drought/Monitoring/smp.shtml
Map Layout and Comparisons created 29 Oct 2026 07:12 https://www.wrds.uwyo.edu

14 Oct 2026



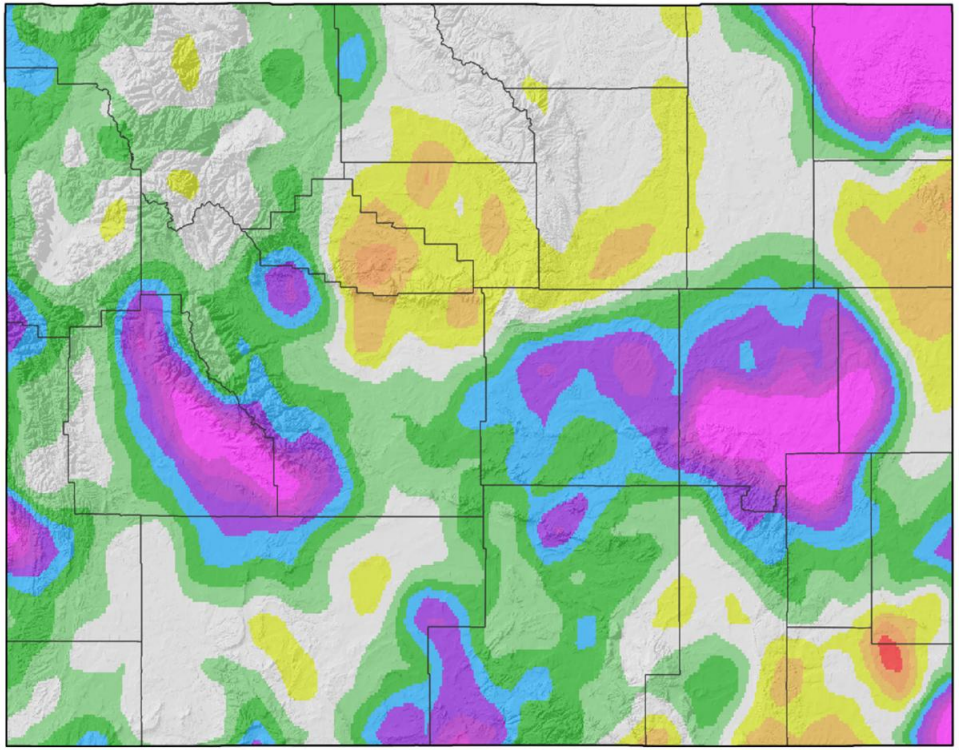
VIC (Variable Infiltration Capacity) Modeled Soil Moisture Percentile: https://www.cpc.ncep.noaa.gov/products/Drought/Monitoring/smp.shtml
Map Created 12 Nov 2026 https://www.wrds.uwyo.edu

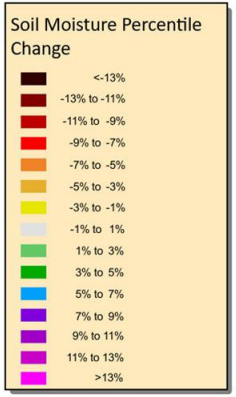
https://www.wrds.uwyo.edu/Soil/Current_SoilMoisture_Ptile.html

Below Median in far Northwest, Laramie Range, and North Central Wyoming. Above normal in much of the rest of the state

2-Week Soil Moisture Percentile Change

2-Week VIC Modeled Soil Moisture Percentile Change from 28 Oct 2026 to 11 Nov 2026





Soil Moisture Percentile
Climate Prediction Center

Map Prepared by:
Wyoming State Climate Office
https://www.wrds.uwyo.edu

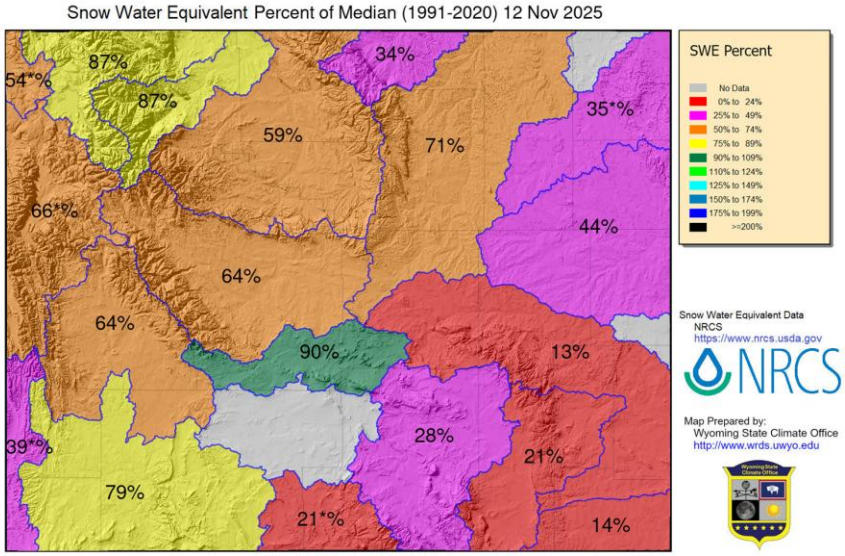
Provisional data, subject to revision

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Map Layout and Comparisons created 12 Nov 2026 07:12 https://www.wrds.uwyo.edu

Degradations in southeast, southeast and southwest of the Bighorns, and in Weston/Niobrara Counties.
Improvements in much of the rest of Wyoming though.

Snow Water Equivalent

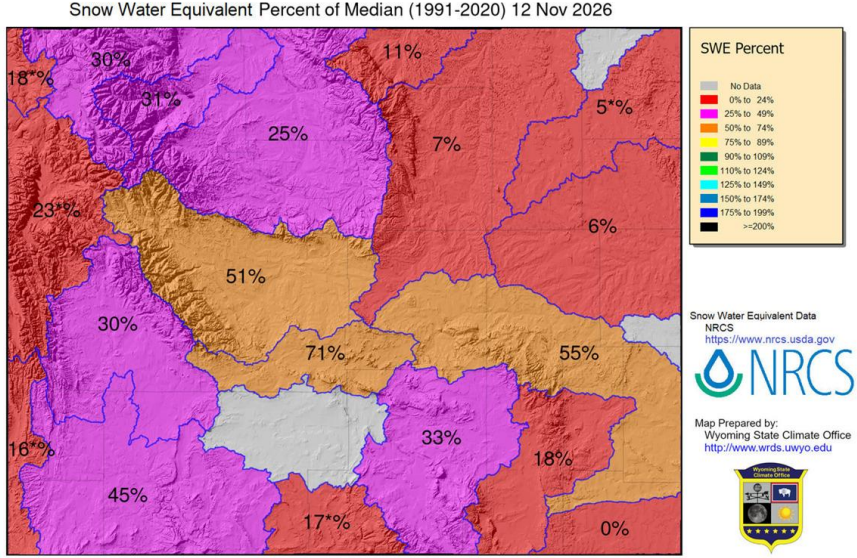
One Year Ago



Basin Snow Water Equivalent Data from Natural Resources Conservation Service Water and Climate Center https://www.nrcs.usda.gov
Map created by Wyoming State Climate Office 12 Nov 2025

* Percentages denoted by an asterisk represent data that may not provide a valid measure of conditions. This is most usually seen near the end of the snow season where normal values may be very low or the melt out curve is so steep that a slight variation in days may result in abnormally high or low percentages.

12 Nov 2026



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Map created by Wyoming State Climate Office 12 Nov 2026

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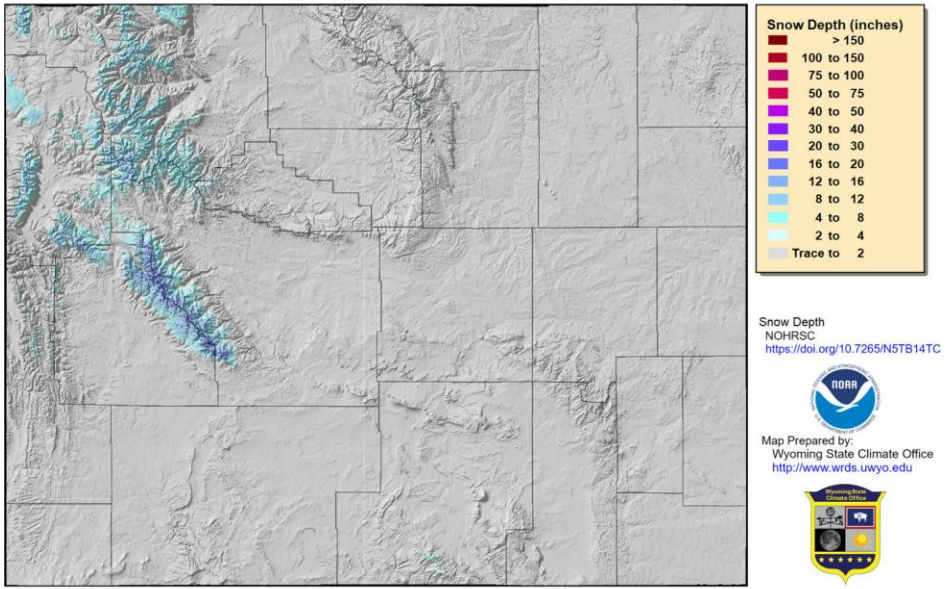
https://www.wrds.uwyo.edu/wrds/nrcs/snowmap/snowmap.html

Below median statewide & mostly below last year. Southern and Western Basins have asterisks (ie *not necessarily a valid measure of conditions*)

Snow Water Equivalent Percent of Average

https://www.wrds.uwyo.edu/Snow/SWE-Prcnt-Current.html

Modeled Snow Depth in Inches - 12 Nov 2026



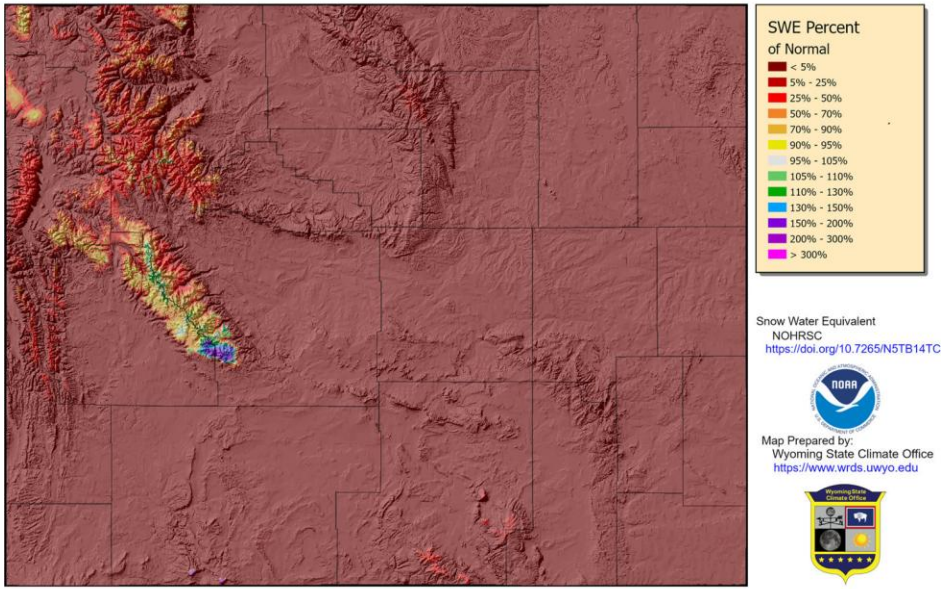
Snow Depth
NOHRSC
https://doi.org/10.7265/N5TB14TC

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

Provisional data, subject to revision

Modeled Snow Depths from National Operational Hydrologic Remote Sensing Center. 2004. Snow Data Assimilation System (SNODAS) Data Products at NSIDC, Version 1. Boulder, Colorado USA. NSIDC: National Snow and Ice Data Center.
doi: https://doi.org/10.7265/N5TB14TC.
Daily Percentiles and Percents created by Wyoming State Climate Office
Map Created 12 Nov 2026 https://www.wrds.uwyo.edu

Snow Water Equivalent Percent of Average (2004-2026 Period) for 12 Nov 2026



Snow Water Equivalent
NOHRSC
https://doi.org/10.7265/N5TB14TC

Map Prepared by:
Wyoming State Climate Office
https://www.wrds.uwyo.edu

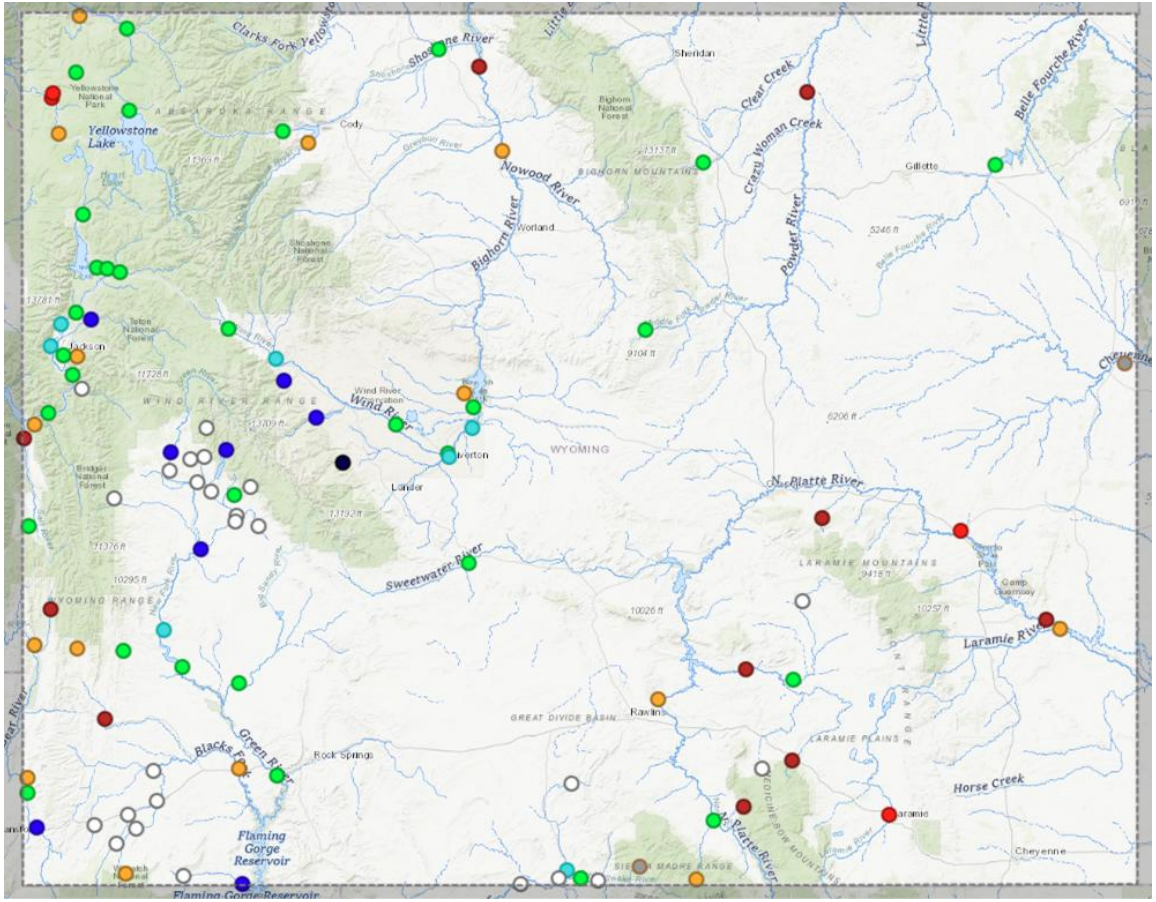
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Modelled Snow Water Equivalent from National Operational Hydrologic Remote Sensing Center. 2004. Snow Data Assimilation System (SNODAS) Data Products at NSIDC, Version 1. Boulder, Colorado USA. NSIDC: National Snow and Ice Data Center.
doi: https://doi.org/10.7265/N5TB14TC.
Daily Percentiles and Percentages created by Wyoming State Climate Office
Map Created 12 Nov 2026 https://www.wrds.uwyo.edu

Current Streamflow Conditions

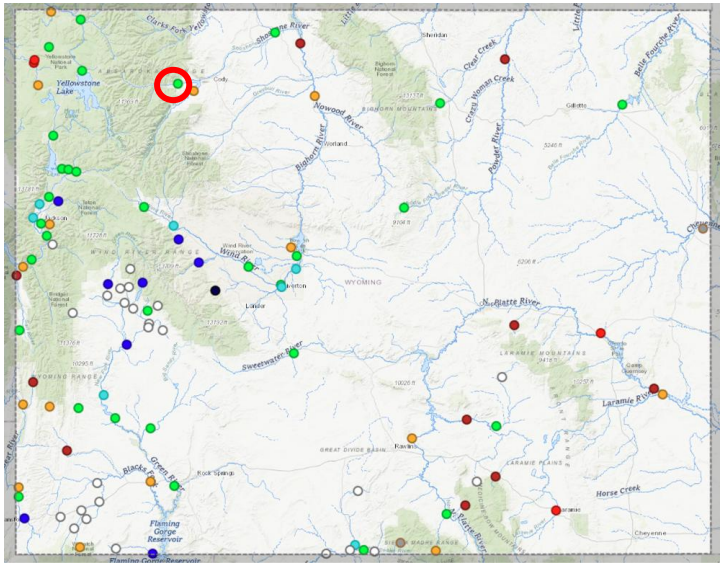
Streamflow Status





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

Select WY Streamflows

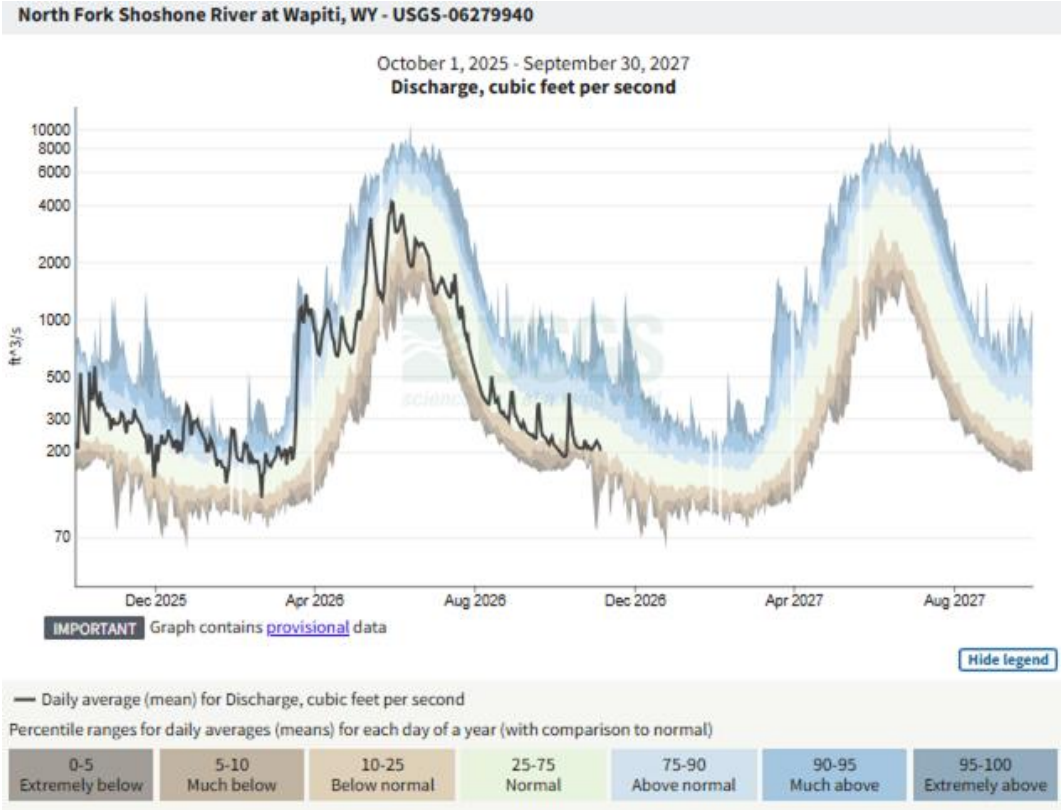


https://dashboard.waterdata.usgs.gov/

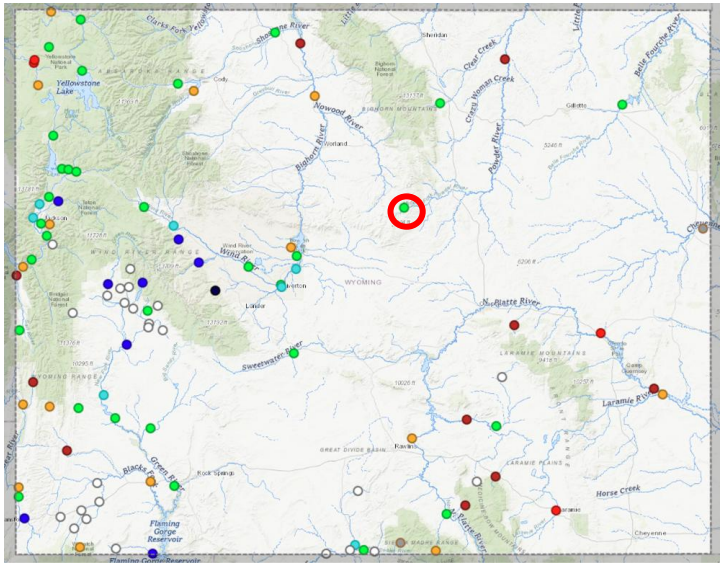
https://waterdata.usgs.gov/

North Fork Shoshone River, at Wapiti, WY

36 years of data



Select WY Streamflows

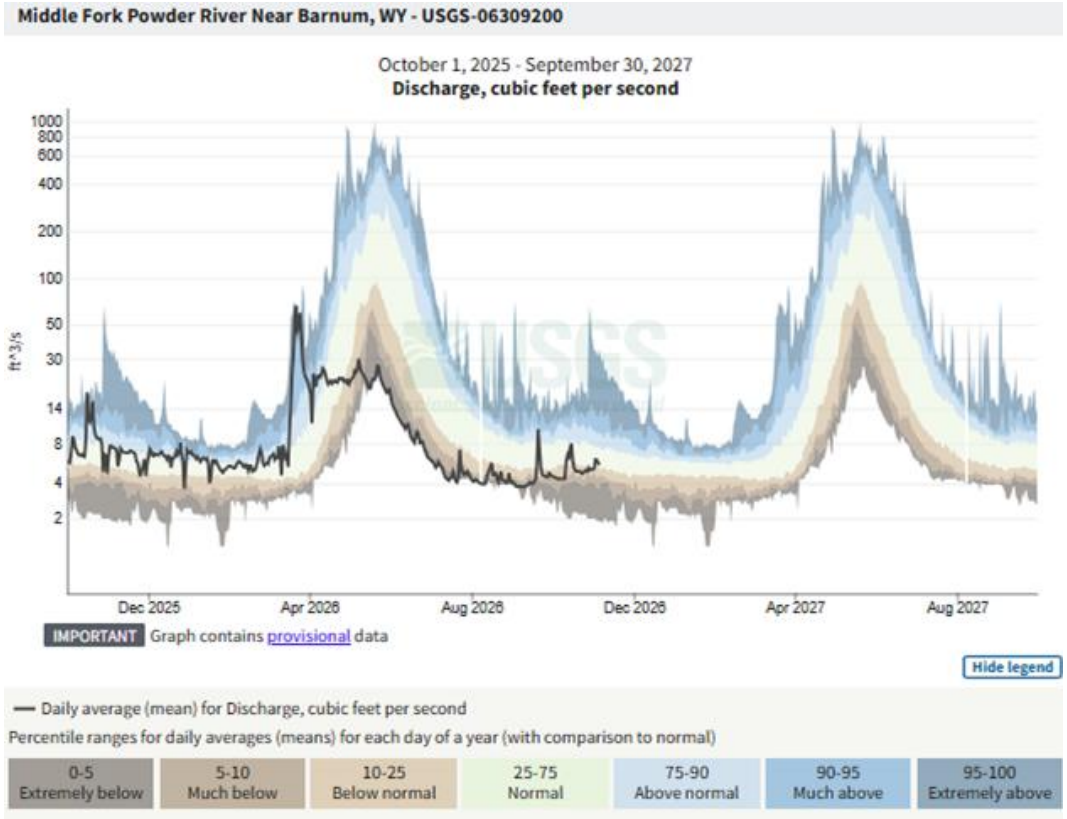


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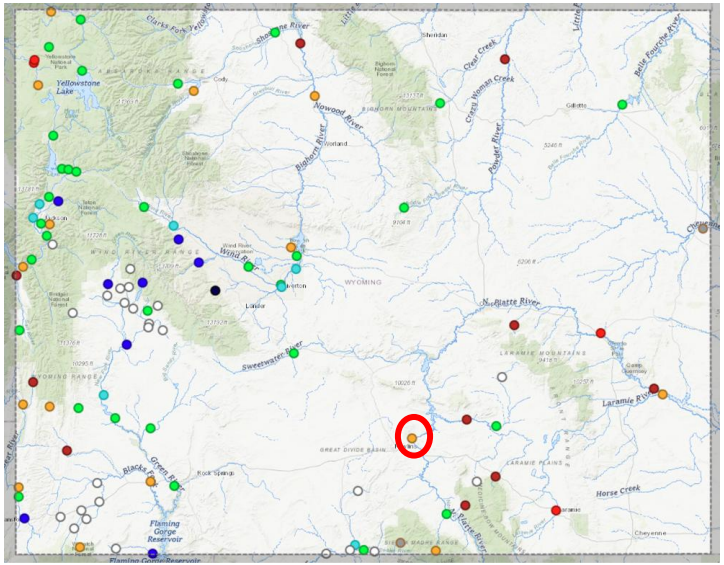
https://waterdata.usgs.gov/

Middle Fork Powder River near Barnum, WY

64 years of data



Select WY Streamflows

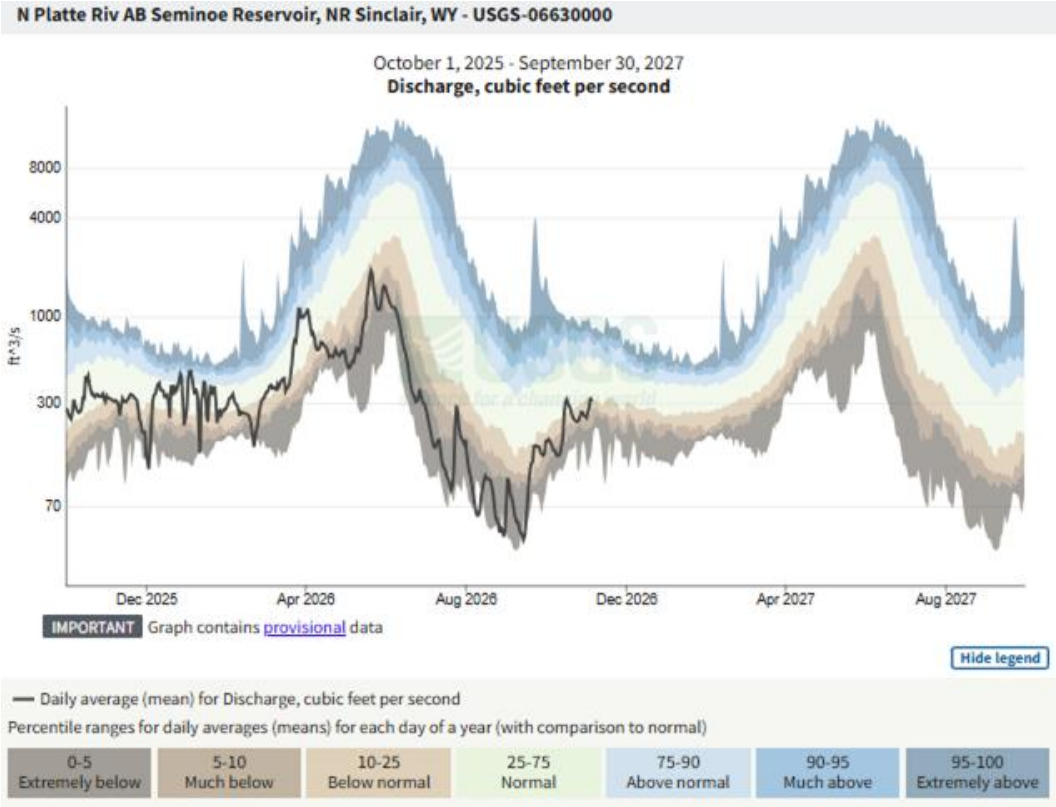


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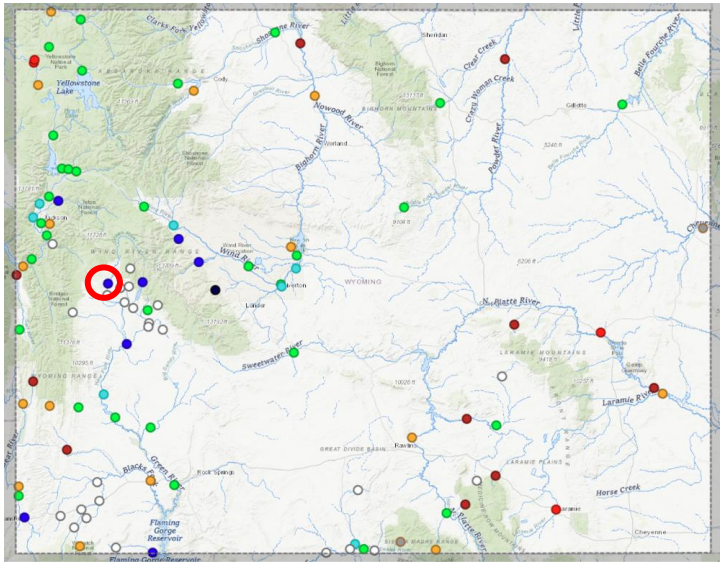
https://waterdata.usgs.gov/

North Platte River, ab Seminoe Res, near Sinclair WY

87 years of data



Select WY Streamflows

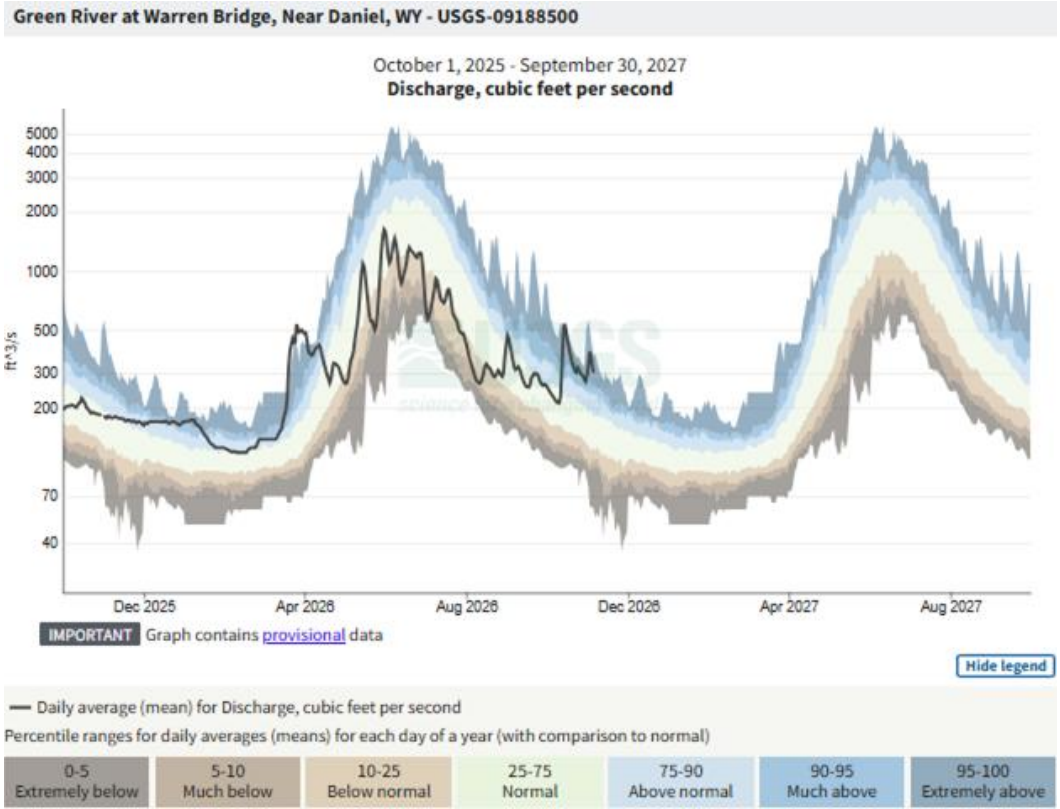


https://dashboard.waterdata.usgs.gov/

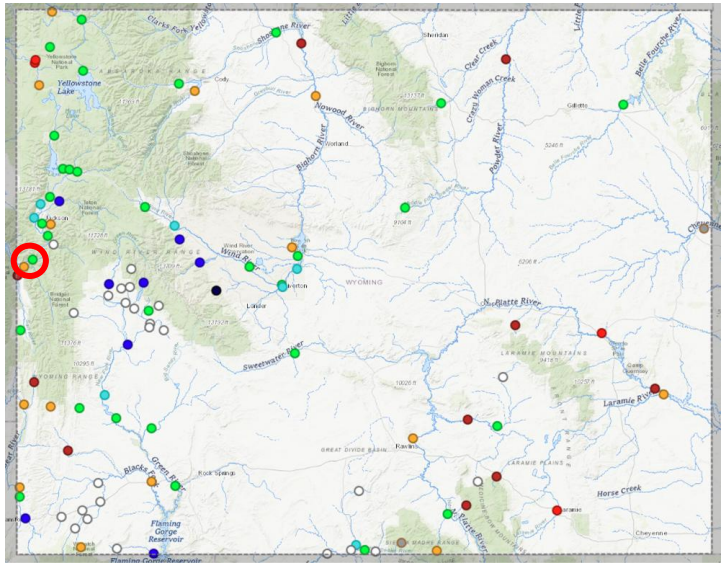
https://waterdata.usgs.gov/

Green River at Warren Bridge, near Daniel, WY

93 years of data



Select WY Streamflows

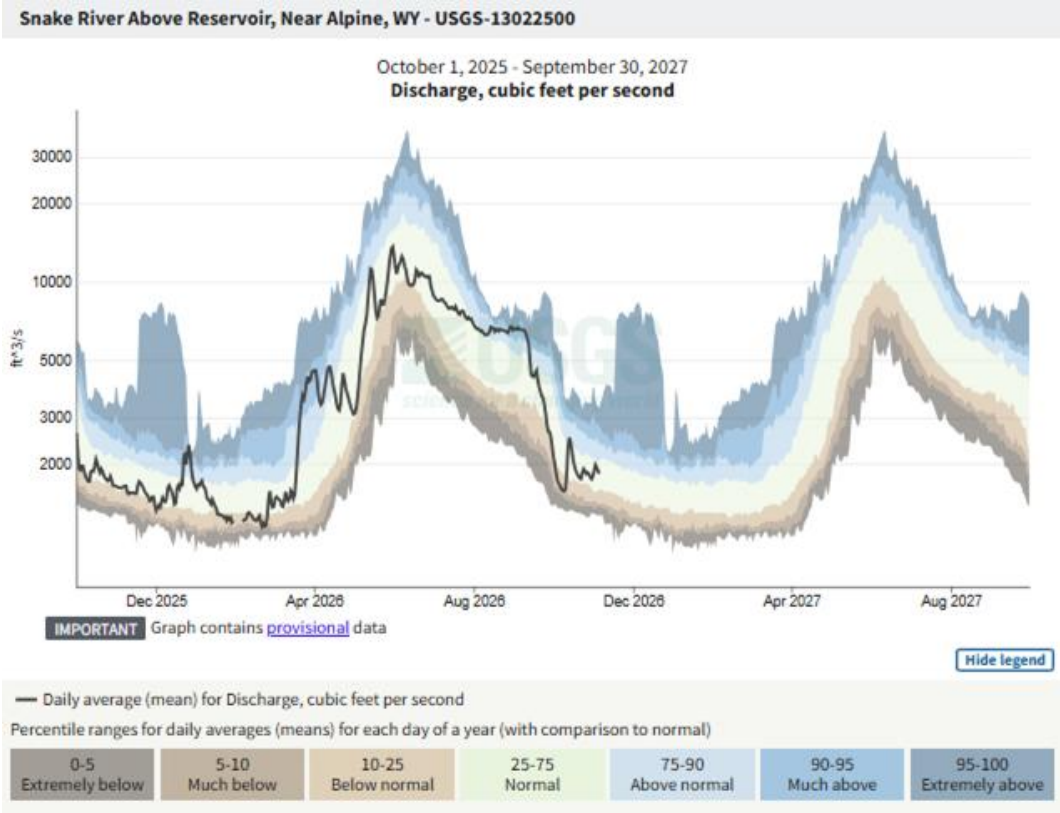


https://dashboard.waterdata.usgs.gov/

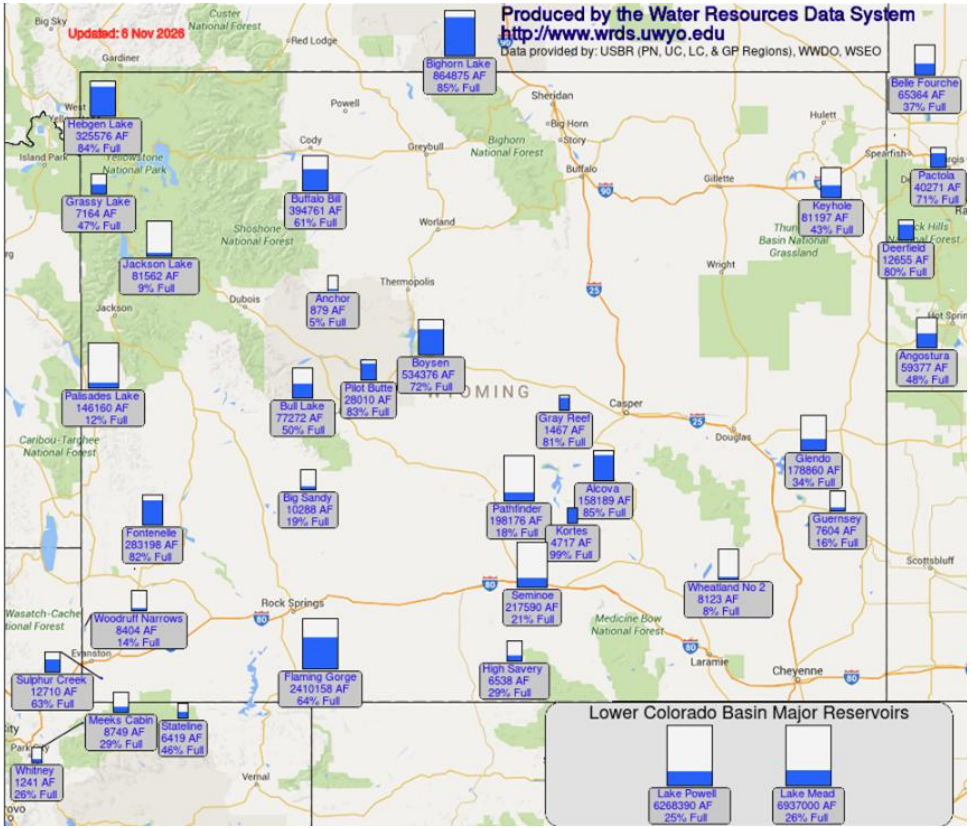
https://waterdata.usgs.gov/

Snake River above Reservoir, near Alpine, WY

74 years of data



Wyoming Reservoirs

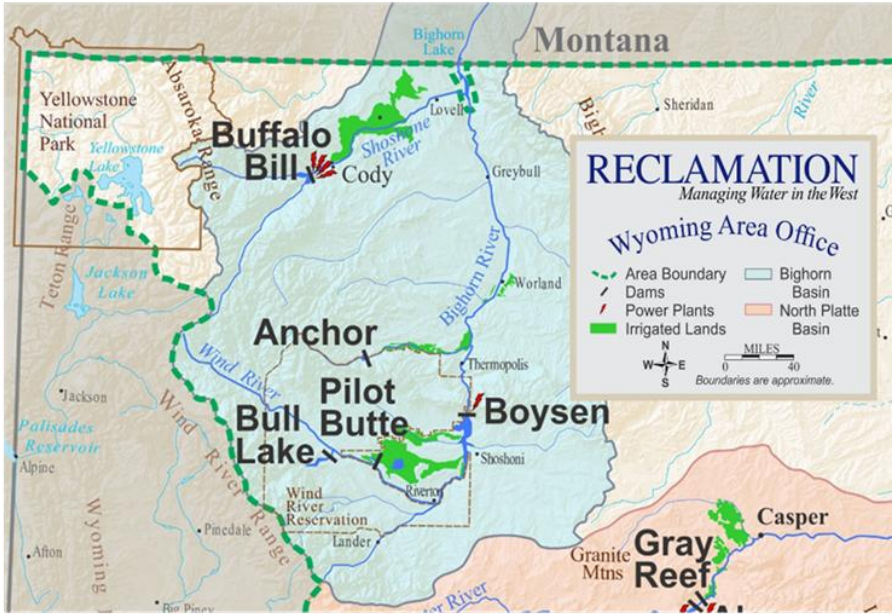


Reservoir Storage

- Minor changes in storage

https://www.wrds.uwyo.edu/surface_water/teacups.html

Current Reservoir Conditions

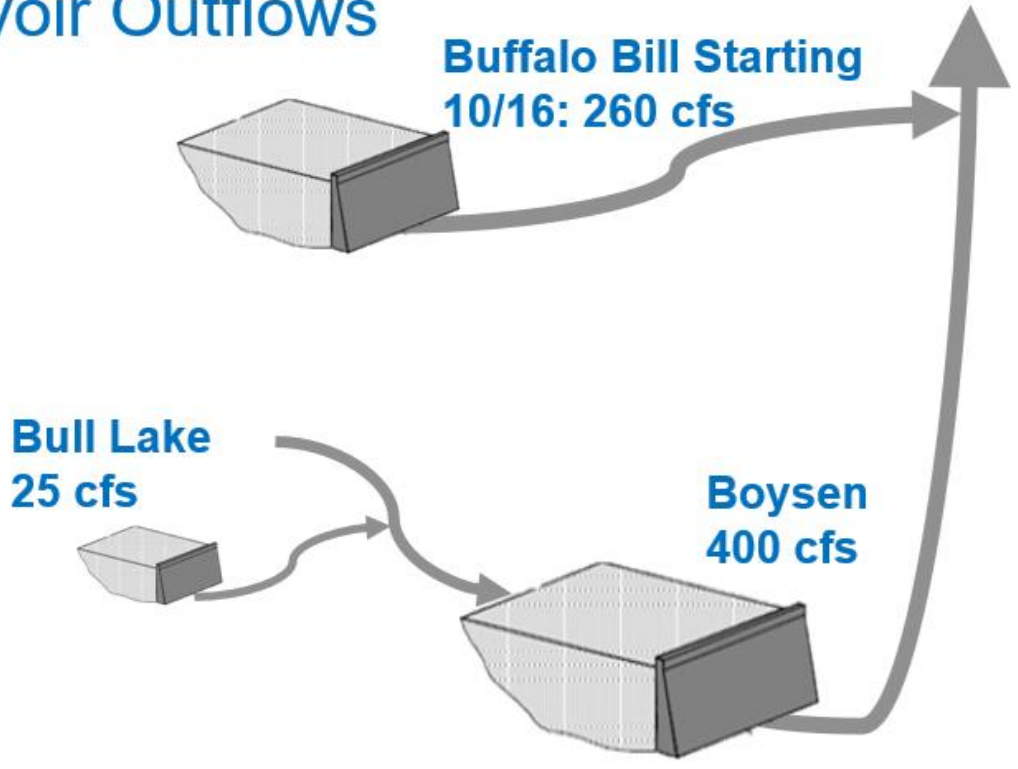


Bighorn System (November 8th):

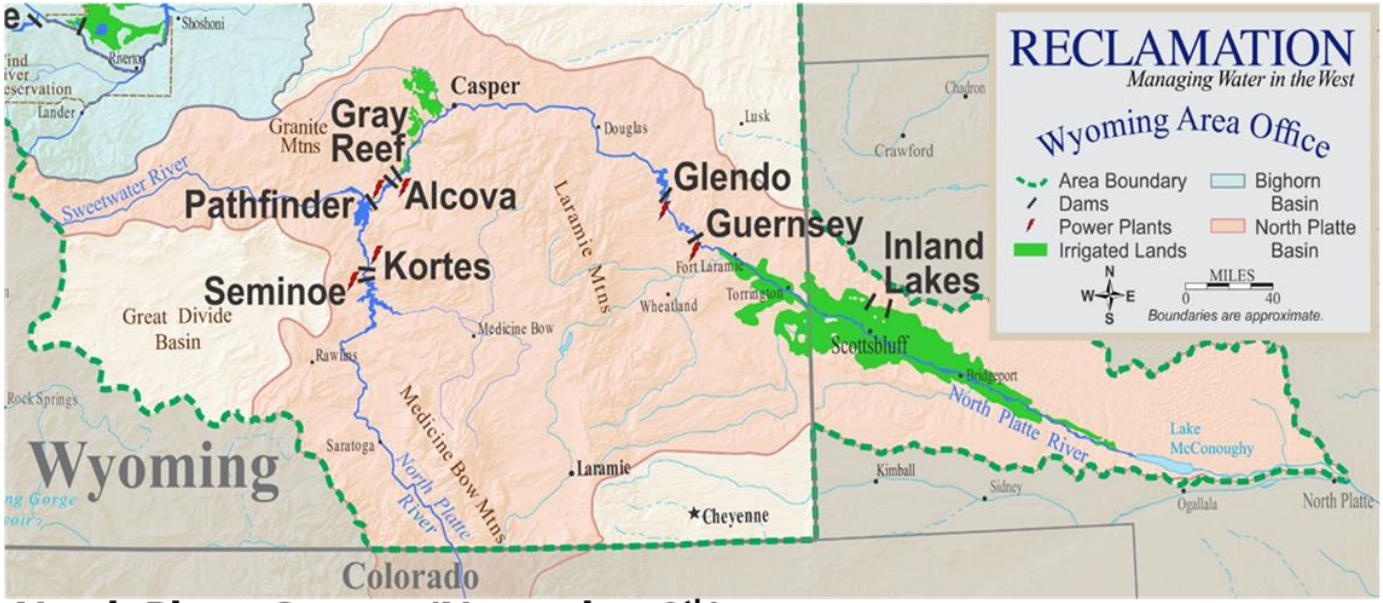
Reservoir	Content	Capacity	% of Full	% of Avg
Bull Lake	77,916	152,500	51%	101%
Boysen	538,068	741,600	72%	92%
Buffalo Bill	395,696	646,600	61%	94%

Current Reservoir Outflows





Current Reservoir Conditions: North Platte System

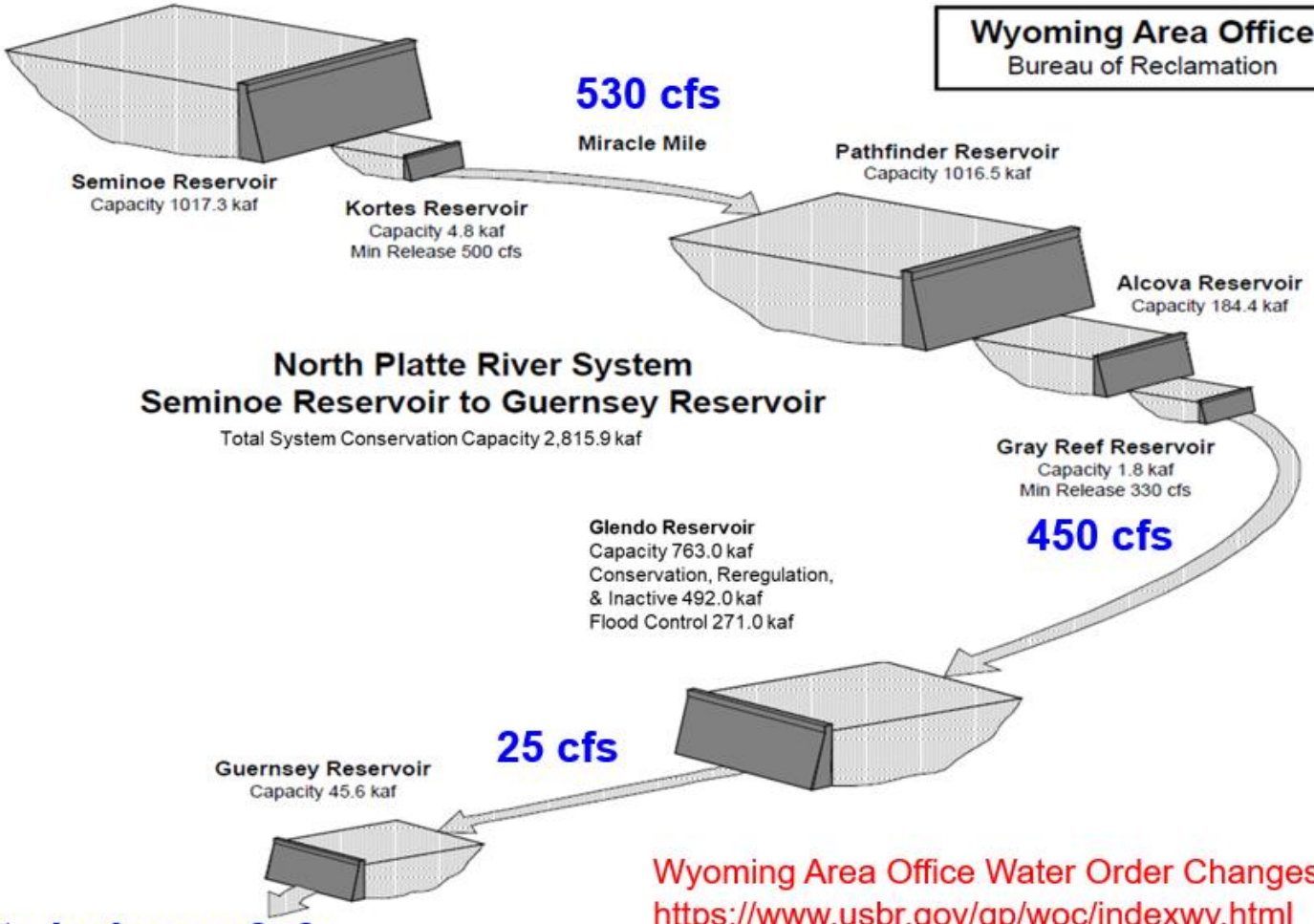


North Platte System (November 8th):

Reservoir	Content	Capacity	% of Full	% of Avg
Seminoe	216,600	1,017,300	21%	38%
Pathfinder	198,900	1,070,000	19%	32%
Glendo	182,000	492,000	37%	103%

— BUREAU OF —
RECLAMATION

Wyoming Area Office
Bureau of Reclamation



North Platte River System
Seminoe Reservoir to Guernsey Reservoir

Total System Conservation Capacity 2,815.9 kaf

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

Gate leakage ~3cfs

WY SEO Divisions and Superintendents

Contact information for calls and administration

Division 3

Joshua Fredrickson, 856-0747

Division 2

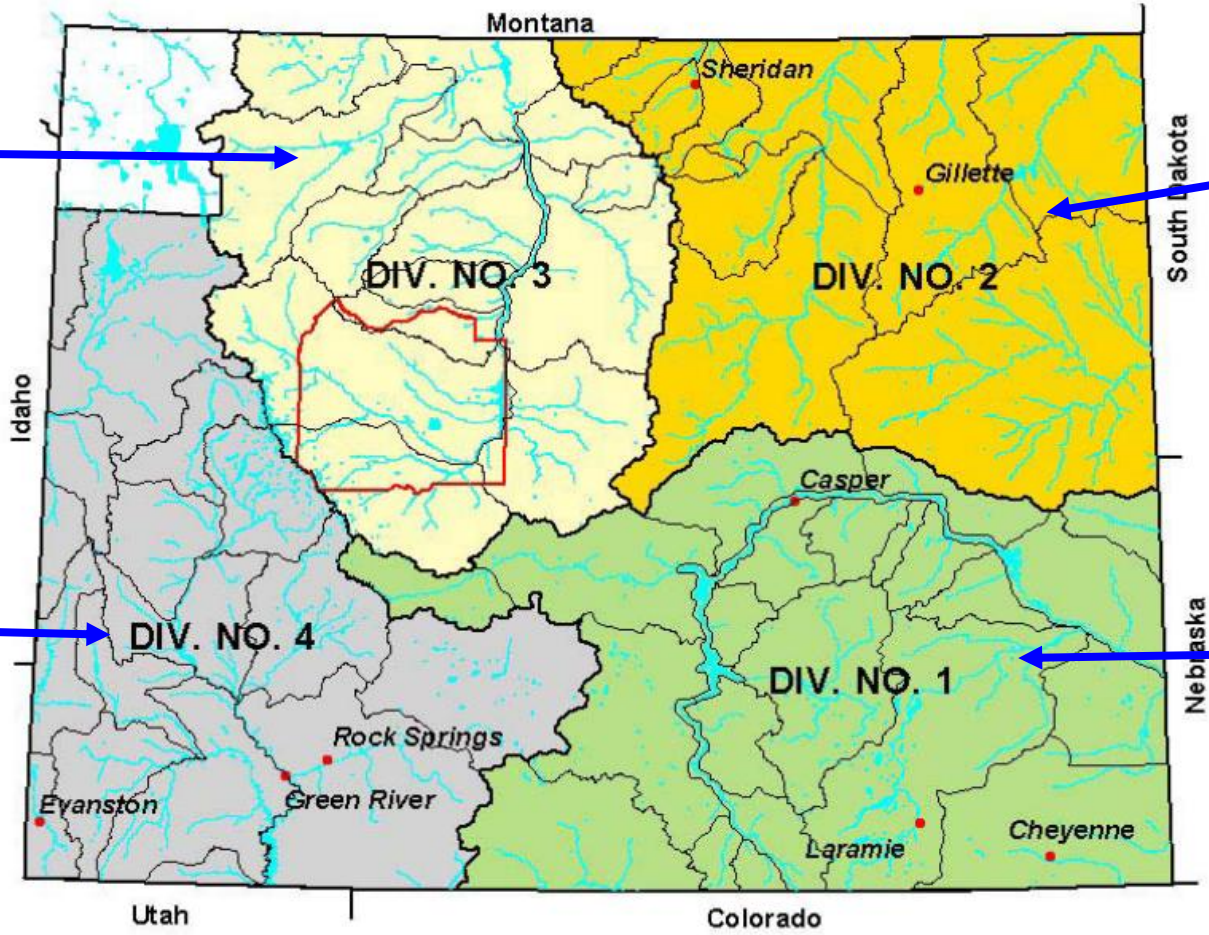
David Schroeder, 674-7012

Division 4

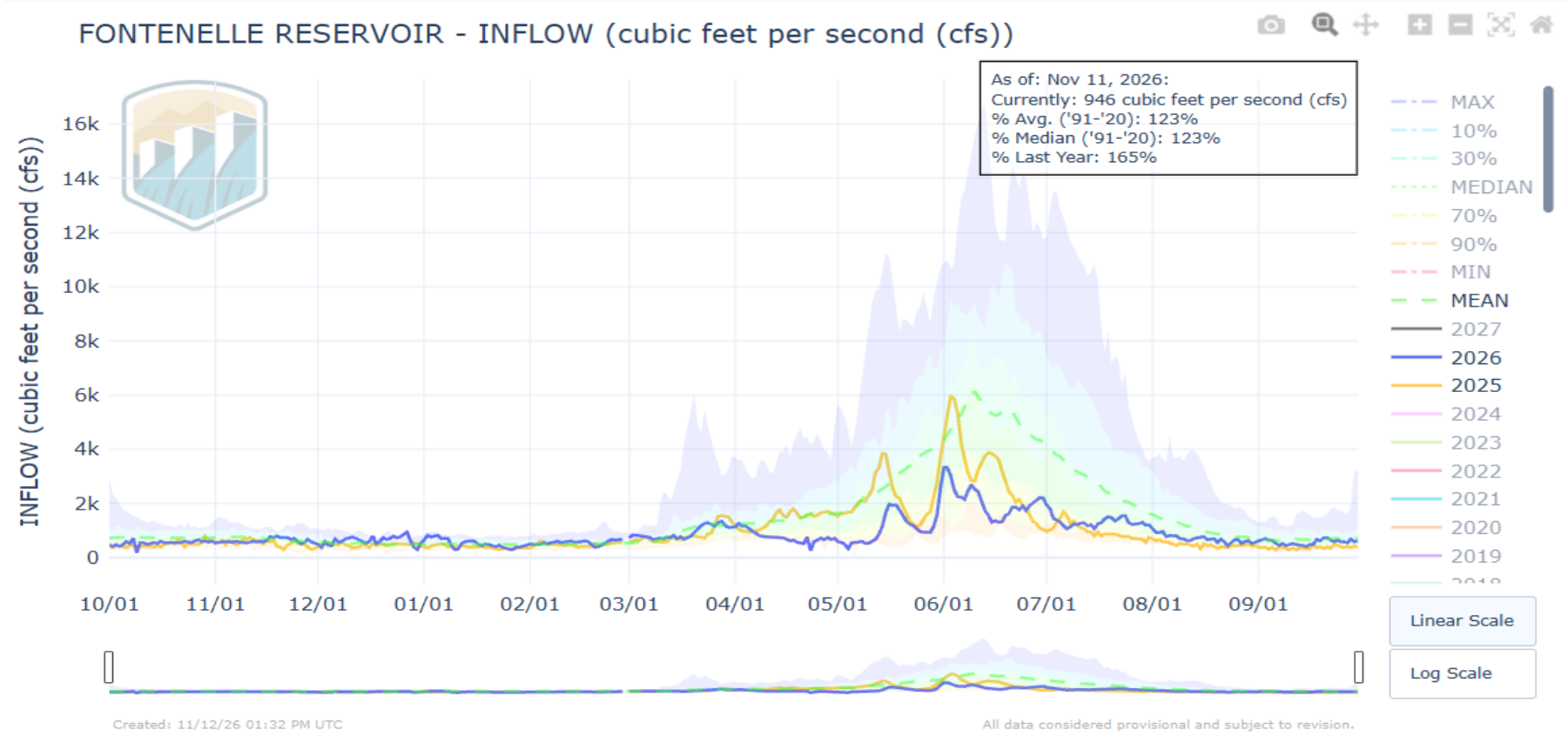
Kevin Payne, 279-3441

Division 1

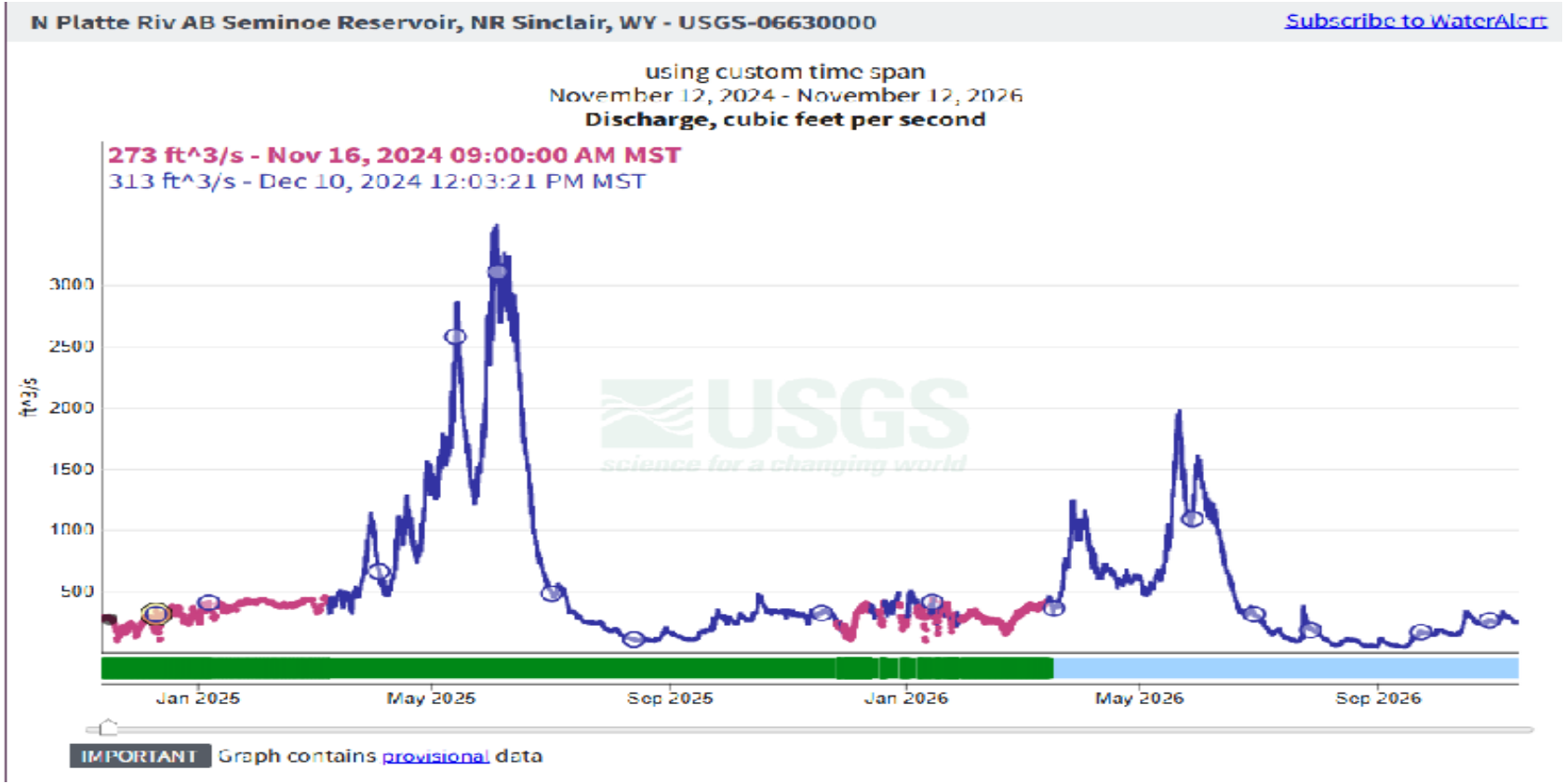
Josh DeBerard, 532-1272



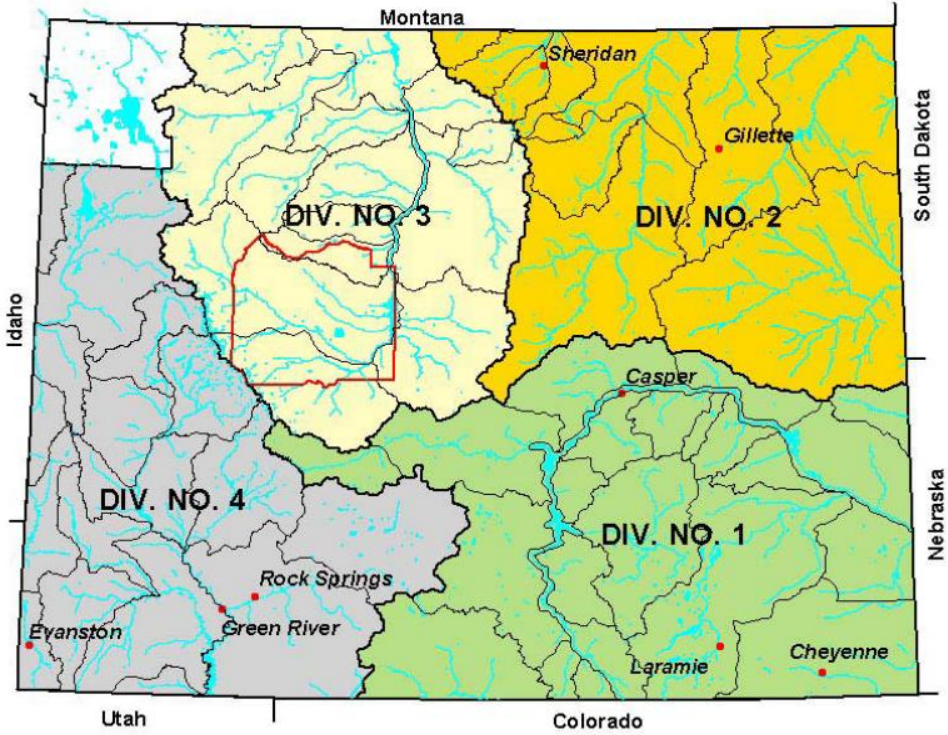
Hydrologic Conditions Recap



Hydrologic Conditions Recap



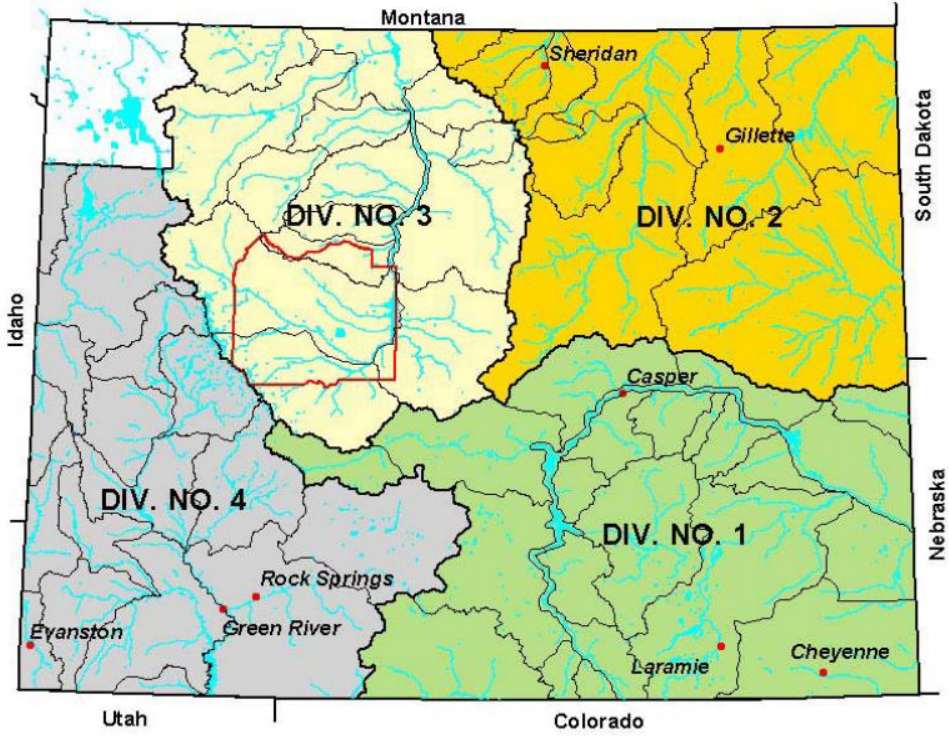
WY SEO Divisions and Superintendents



Water Year 2026 Recap - Division 1

- Regulation began April 2nd
- 13 calls for regulation
- 6 streams
- Regulated as far back as 1868
- Regulation began 12 days earlier than 2025
- Regulation 7 years deeper than 2025

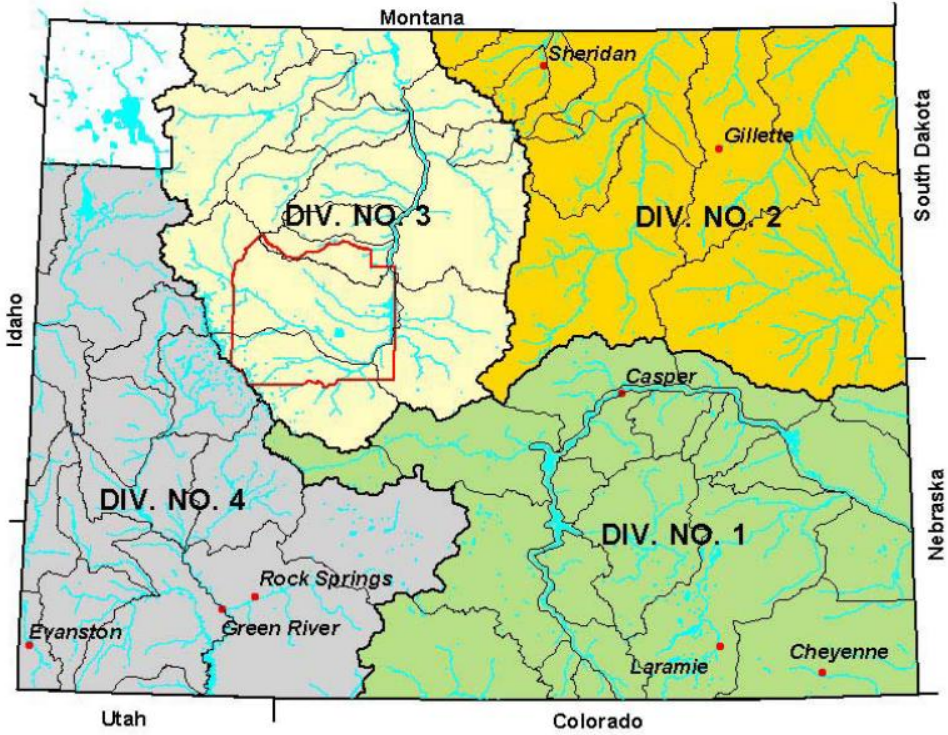
WY SEO Divisions and Superintendents



Water Year 2026 Recap - Division 2

- Regulation began May 1st
- 16 calls for regulation
- 14 streams
- Regulated as far back as 1881
- Regulation began nearly two months earlier than 2025
- 6 more calls for regulation than 2025
- Similar depth of regulation to 2025

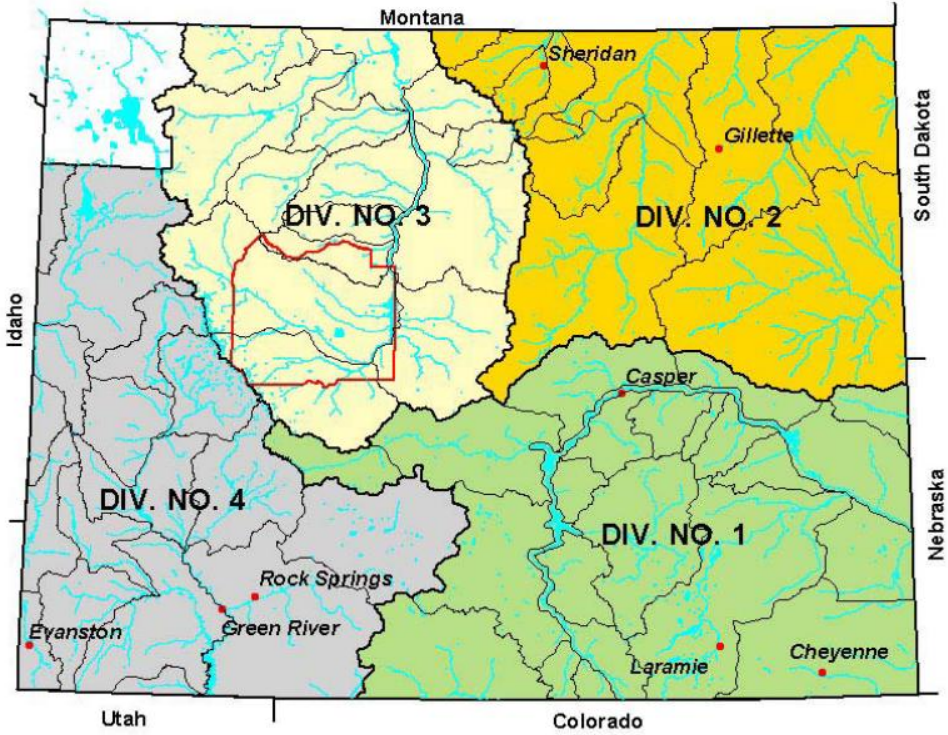
WY SEO Divisions and Superintendents



Water Year 2026 Recap - Division 3

- Regulation began March 16th
- 14 calls for regulation
- 12 streams
- Regulated as far back as 1879
- Regulation began about a month earlier than 2025
- Similar depth of regulation to 2025

WY SEO Divisions and Superintendents

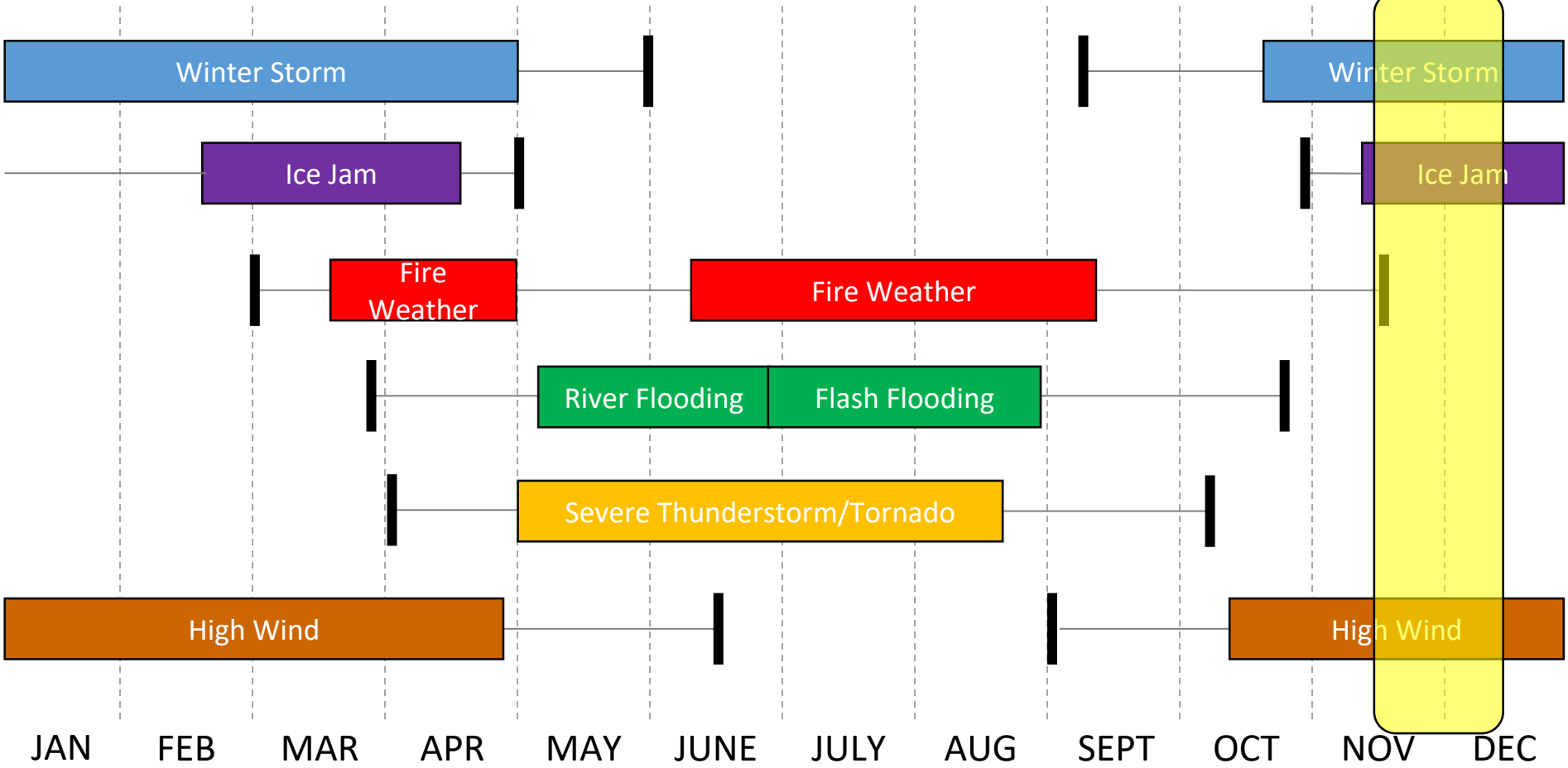


Water Year 2026 Recap - Division 4

- Regulation began on March 27th
- 15 calls for regulation
- 14 streams
- Regulated as far back as 1874
- Regulation began nearly two months earlier than 2025
- Slightly fewer calls for regulation than 2025

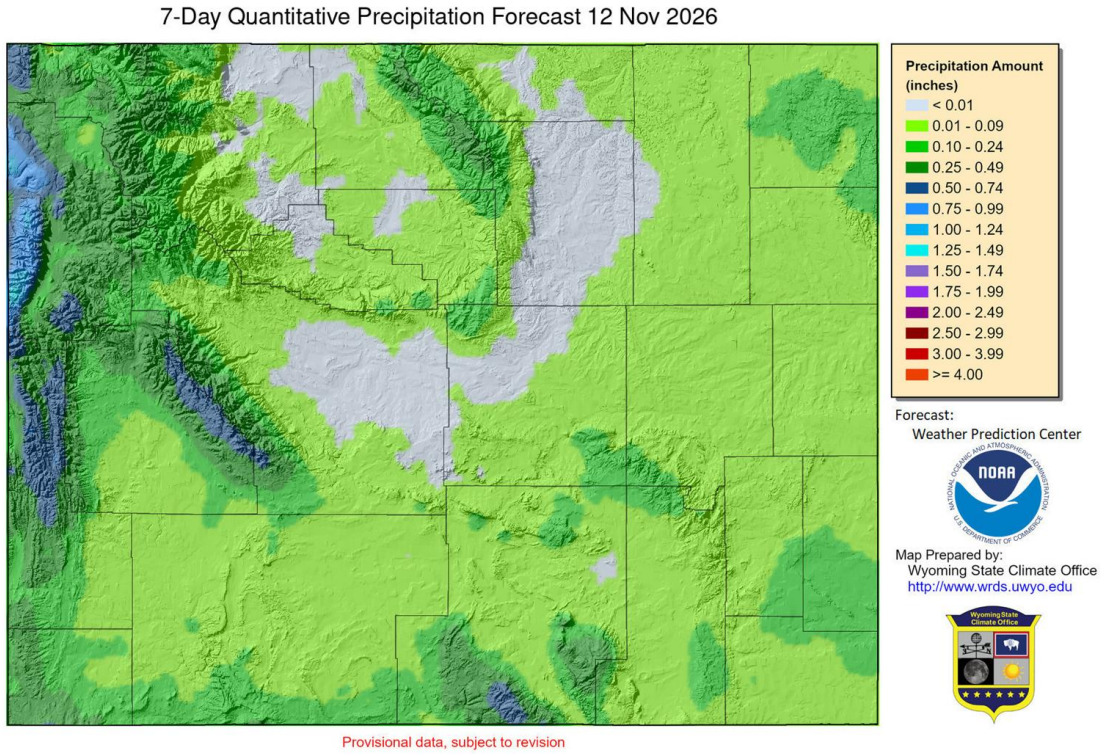
Weather Info & Forecasts

NWS Wyoming - Typical Hazard Calendar



7-Day Total Precipitation Forecast

Through Nov. 18



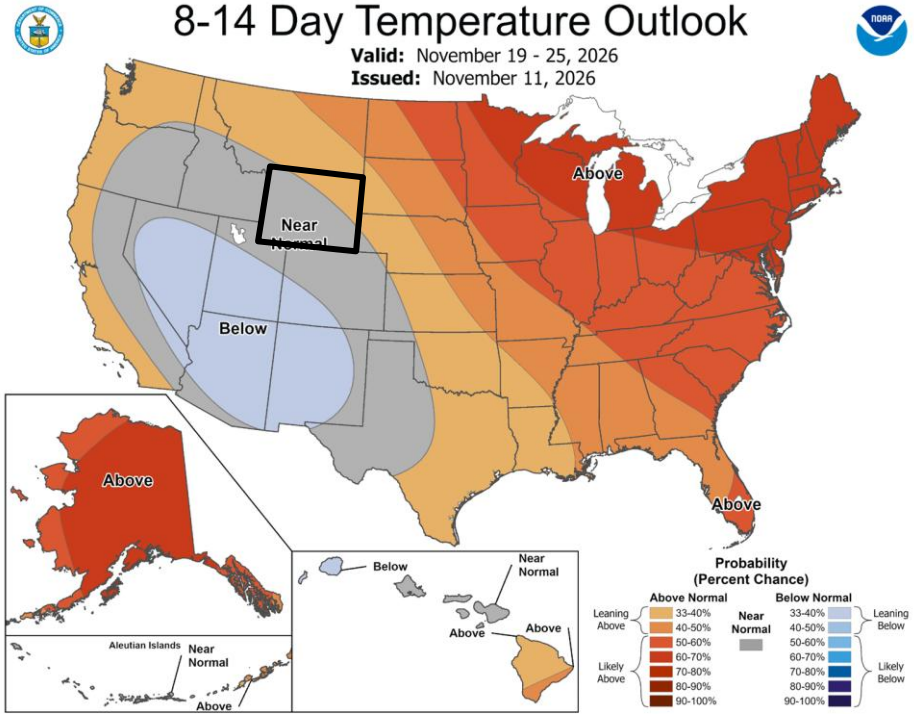
The Quantitative Precipitation Forecast shows the liquid amount of forecasted precipitation over the next 7 days
The Forecast is created by the National Weather Service Weather Prediction Center
Department of Commerce, National Oceanic and Atmospheric Administration, National Weather Service, National Centers for Environmental Prediction, and Weather Prediction Center - https://www.wpc.ncep.noaa.gov
Map Layout Created 12 Nov 2026 https://www.wrds.uwyo.edu

- Generally light precip. across the state over the next week with localized greater amounts in the higher terrain
- Likely rain in the valleys & plains, mix or snow in the mountains
- Higher potential for more substantial moisture toward the end of next week

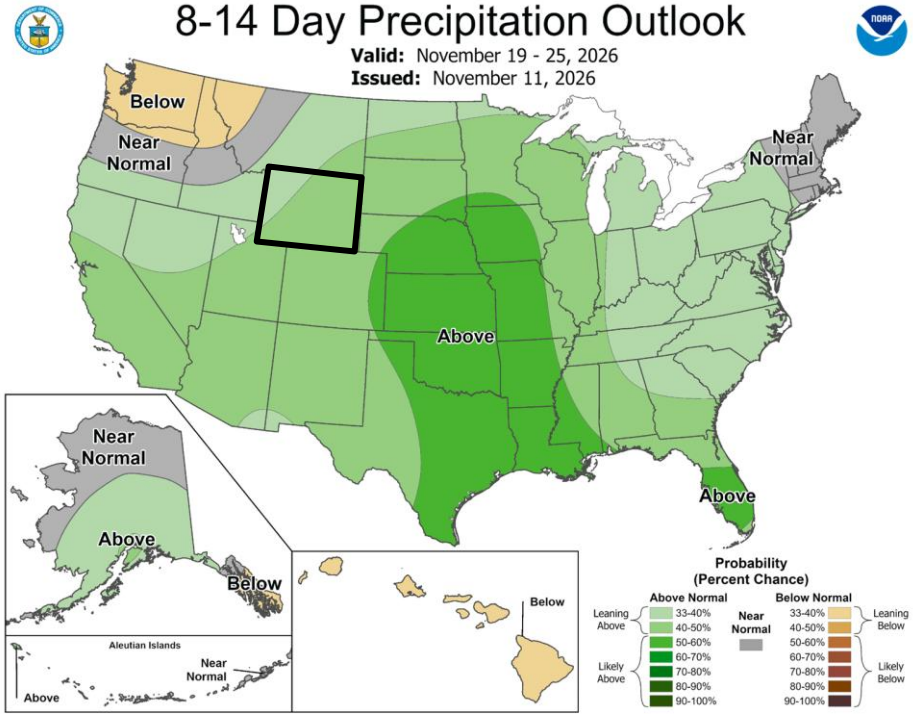
https://bit.ly/7_dayQPForecast

8-14 Day Outlook
(Nov. 19 - 25)

https://bit.ly/CPC8_14Day



- Slight lean toward warmer near the WY Black Hills

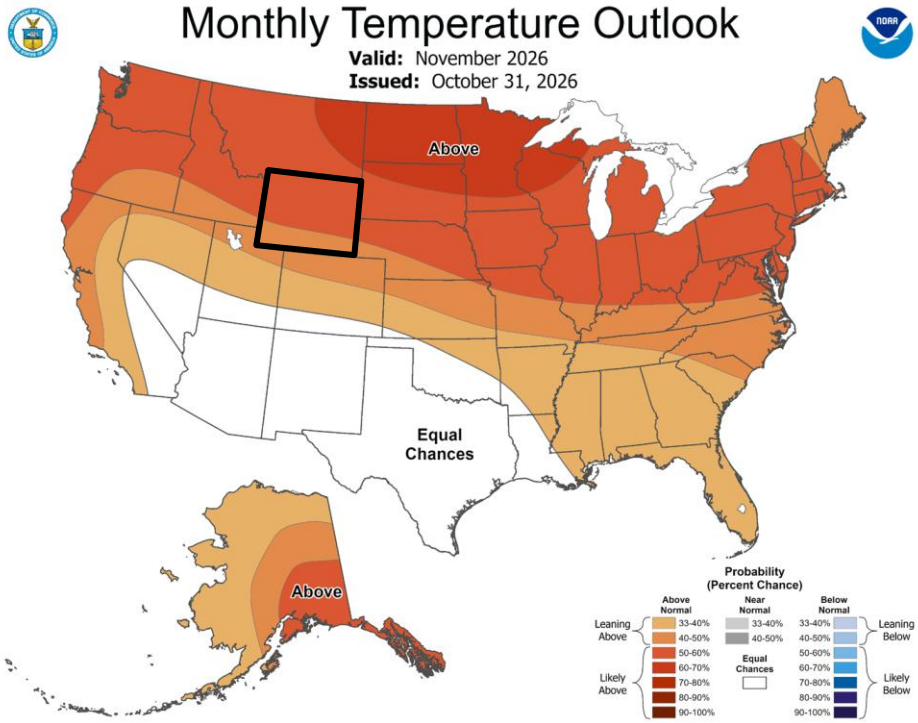


- Leaning wetter than normal with the greater confidence toward southern & eastern WY

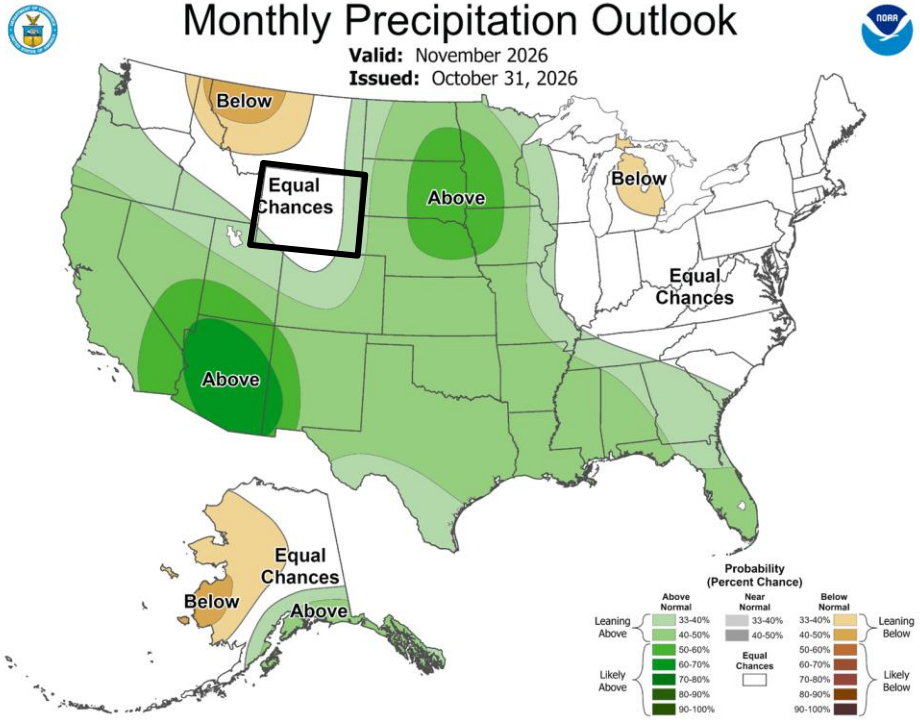
- **Interactive Version:**
  cpc.ncep.noaa.gov/products/predictions/814day/interactive/index.php

1 Month Outlook
(rest of November)

cpc.ncep.noaa.gov/products/predictions/30day/



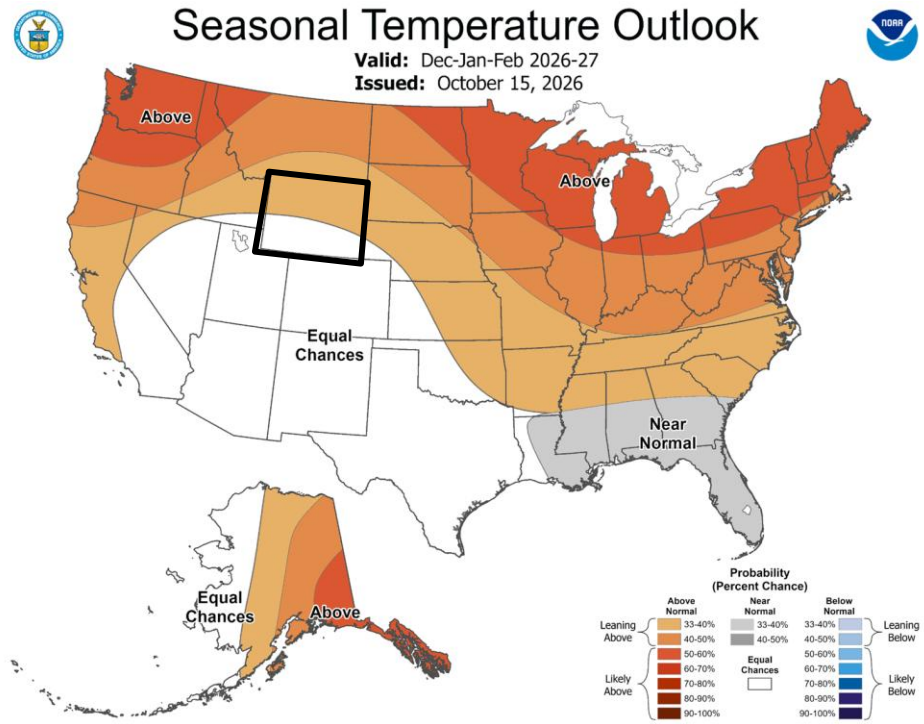
- Leaning above normal temps, especially northern half of WY



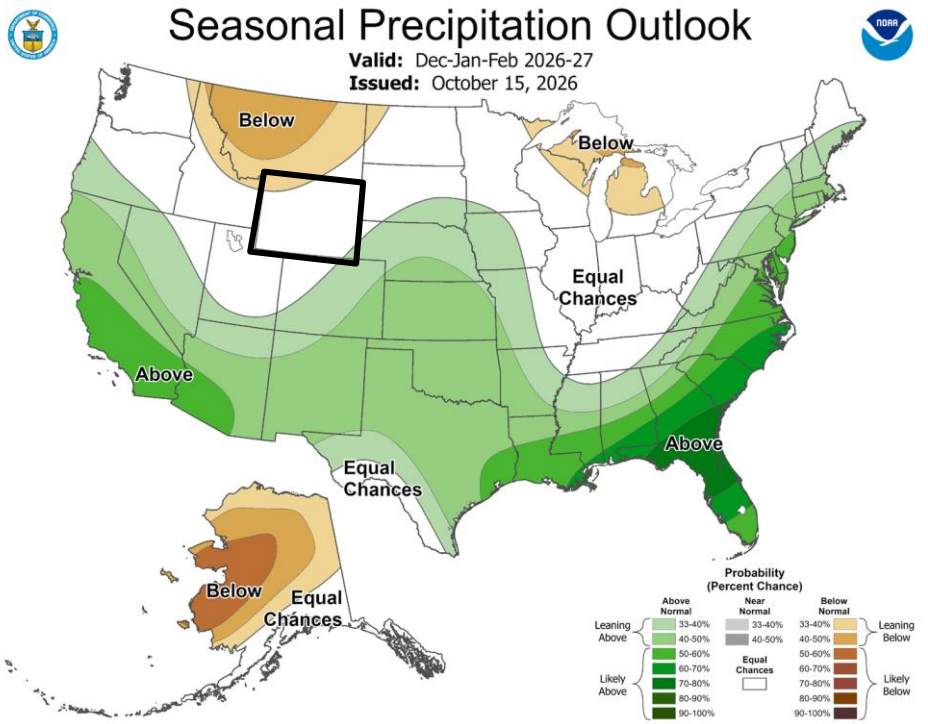
- Equal chances of below-near-normal precip mostly statewide
- Slight lean toward wetter far eastern WY

3 Month Outlook
(Dec - Jan - Feb)

https://bit.ly/CPC_Seasonal



- Slight lean toward warmer than normal for northern half of WY



- Primarily equal chances of below-near-above normal precip
- Hint of dry Yellowstone, hint of wet far southeast

Highlight of the Month:

Voluntary Water Conservation Program - WY State Engineer's Office

Western Water Assessment (WWA) - Community Hazard Planning Workshops

Applications will be open soon (mid-November) for communities in Colorado, Utah, and **Wyoming** to work with **WWA scientists** to build locally tailored **drought or wildfire preparedness.**

01 The focus

Drought or wildfire risk for your community

02 The workshop

Two 5-hour meetings over two days with WWA scientists to advance community-specific hazard planning

03 The outcome

Relevant hazard science + locally driven action priorities

Past Workshops





For additional information reach out to WWA Managing Director - **Benét Duncan** (Benet.Duncan@colorado.edu)

No Webinar in December

Next webinar: January 21, 1-2pm MT

Tony Bergantino
WRDS & State Climate Office
antonius@uwyo.edu

Darren Snively
National Weather Service
darren.v.snively@noaa.gov

Aaron Fiaschetti
USGS
afiaschetti@usgs.gov

Jeff Cowley
State Engineer's Office
jeff.cowley@wyo.gov

George Finnegan
Bureau of Reclamation
gsfinnegan@usbr.gov

Tori Nye
State Engineer's Office
tori.nye1@wyo.gov

Joseph Duncan
State Engineer's Office
joseph.duncan@wyo.gov

Callie Surber
UW Extension
csurber@uwyo.edu

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!

The University of Wyoming is an equal opportunity/affirmative action institution.