WY Conditions & Outlooks:

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

April 16, 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 Calls & Allocations
- **Outlooks:** Overview
  - Temperature & Precipitation
  - River Flooding & Water Supply
  - Wildfire Activity & Outlooks
- **Highlight of the Month:**
  - Streamflow Forecast and Potential Impacts
- **Questions**

Current Conditions

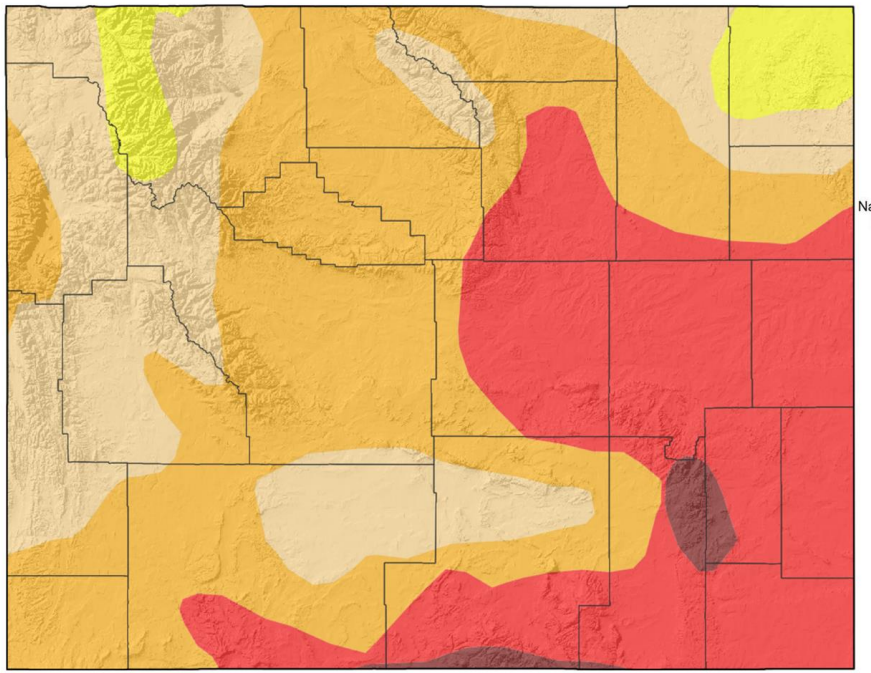
US Drought Monitor for April 14th, 2026

(Released Thursday, April 16th, 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 14 Apr 2026



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:
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 Layout Created 16 Apr 2026 08:34 https://www.wrds.uwyo.edu

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

Degradations in the southeast, northwest, and central parts of Wyoming. Above normal temperatures & below normal snowpack

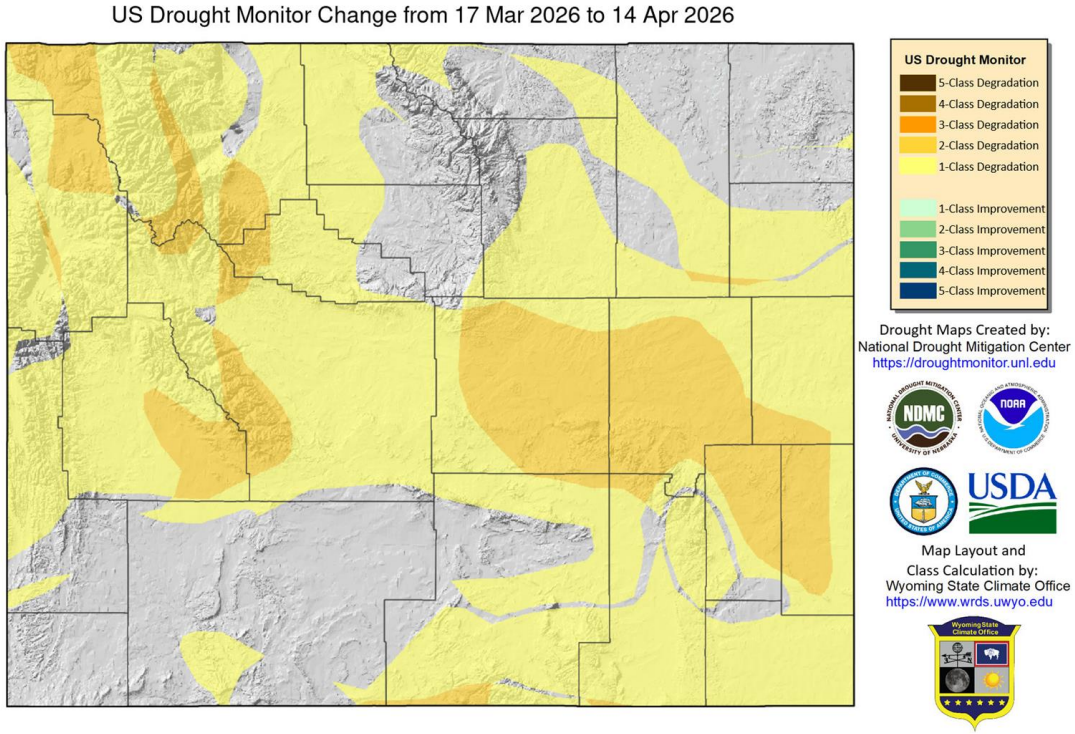
https://droughtmonitor.unl.edu

droughtmonitor.unl.edu

US Drought Monitor Change since Last Webinar (17 Mar 2025 to 14 Apr 2026)

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
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Map Layout and Comparisons created 16 Apr 2026 08:41 https://www.wrds.uwyo.edu

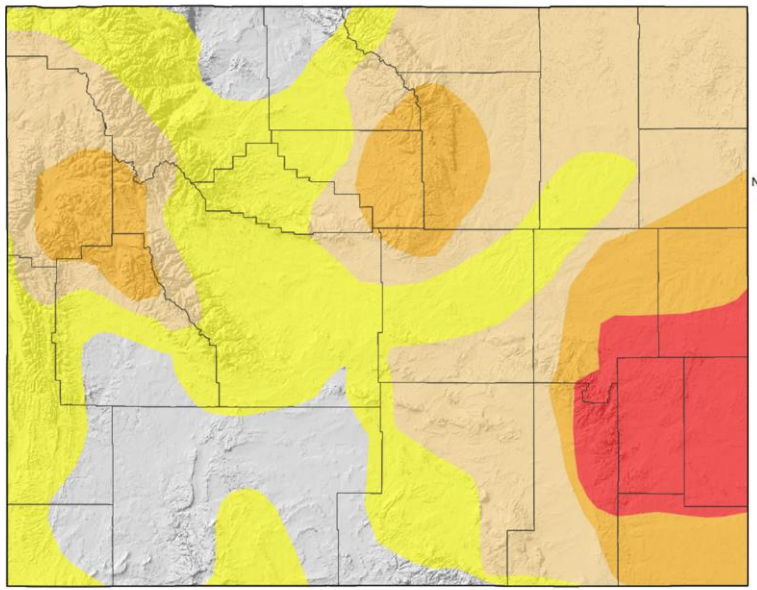
https://droughtmonitor.unl.edu

droughtmonitor.unl.edu

WRDS
Water Resources Data System

One Year Ago

US Drought Monitor for 15 Apr 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

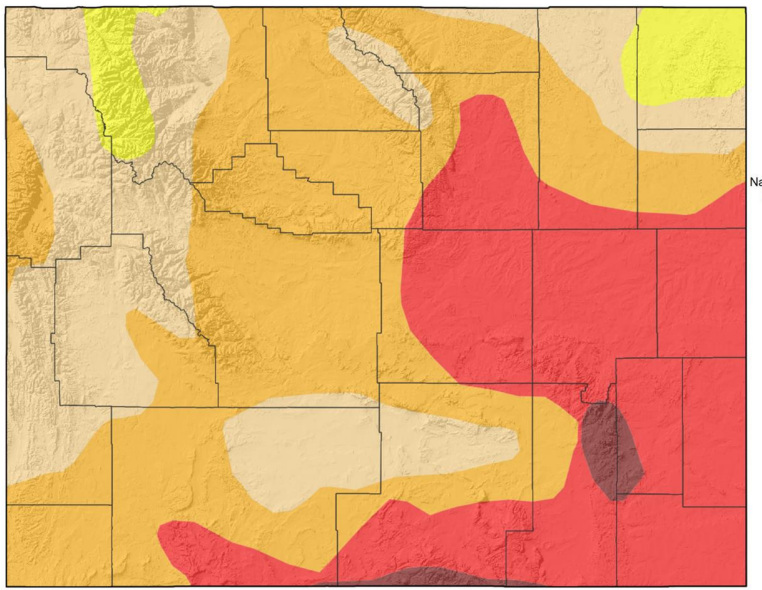
Map Layout Prepared by:
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Map Layout Created 17 Apr 2025 https://www.wrds.uwyo.edu

Today

US Drought Monitor for 14 Apr 2026



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

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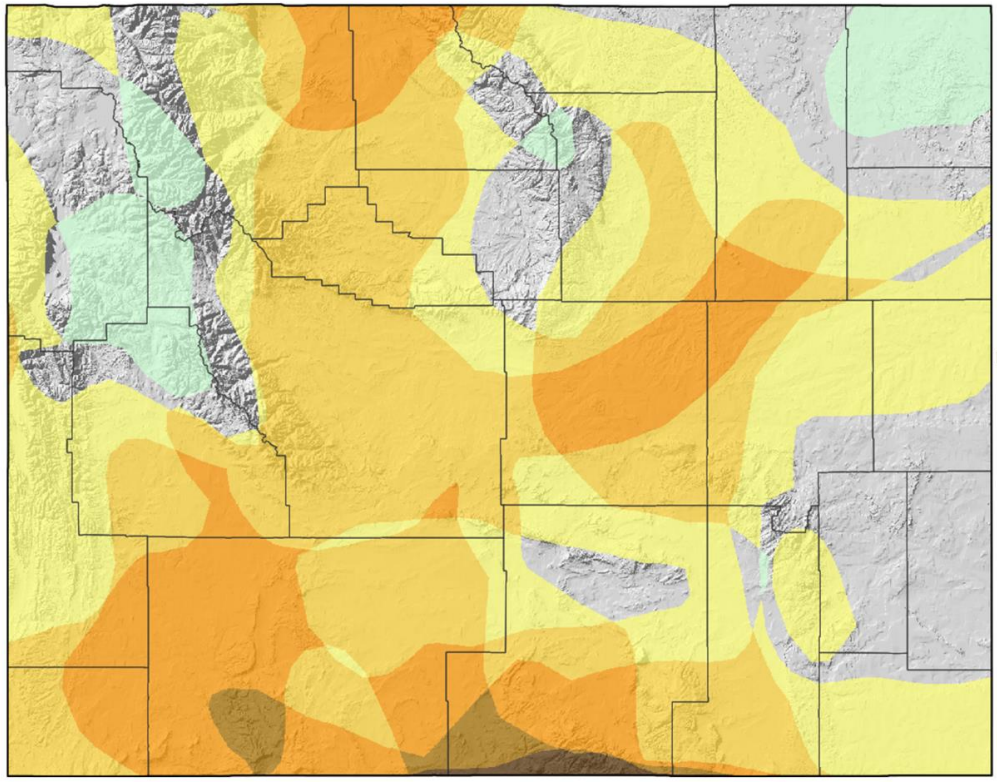
Map Layout Created 16 Apr 2026 08:34 https://www.wrds.uwyo.edu

https://droughtmonitor.unl.edu

droughtmonitor.unl.edu

1-Year US Drought Monitor Change (15 Apr 2025 to 14 Apr 2026)

US Drought Monitor Change from 15 Apr 2025 to 14 Apr 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

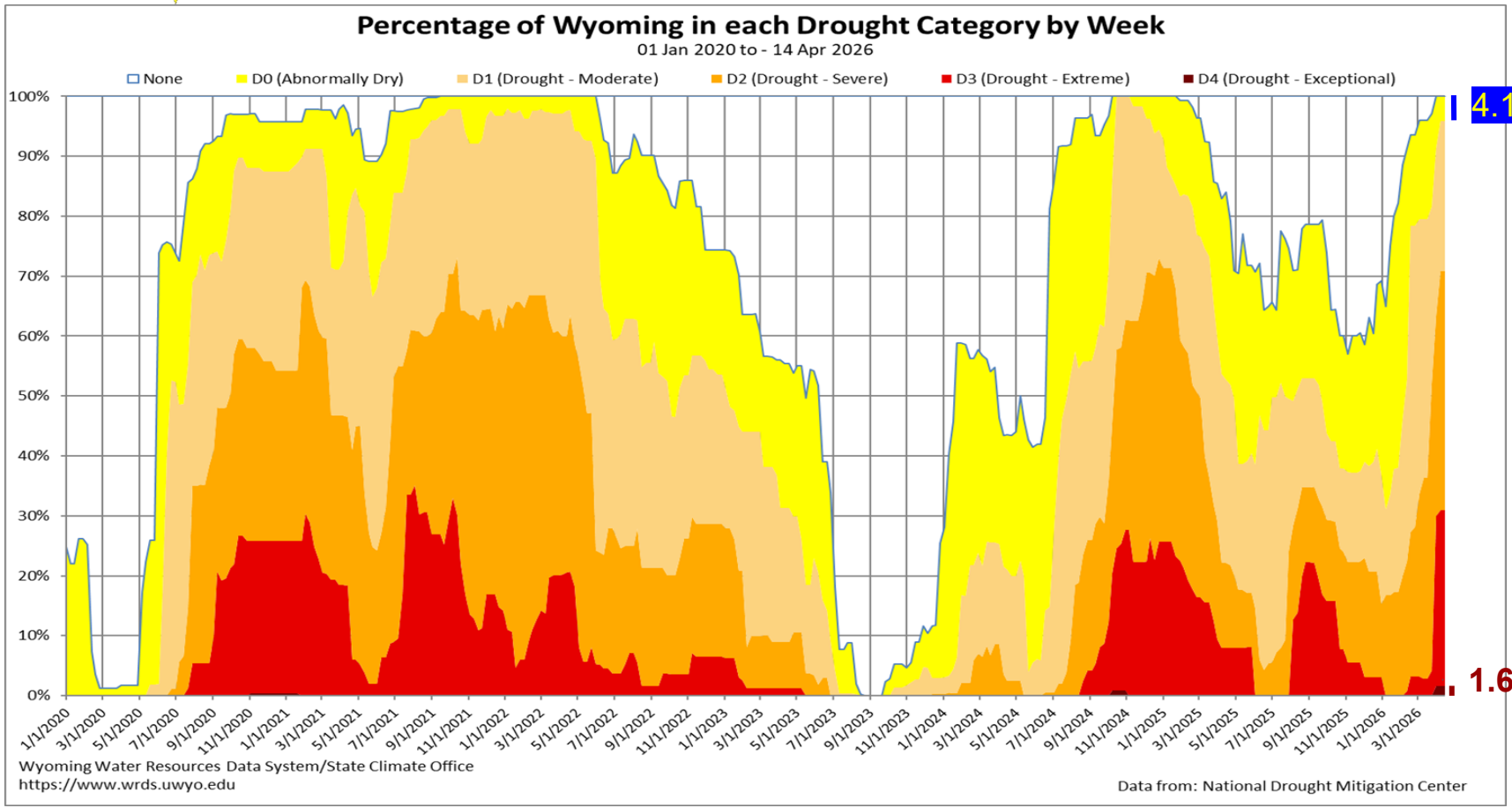
Map Layout and
Class Calculation by:
Wyoming State Climate Office
https://www.wrds.uwyo.edu

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Map Layout and Comparisons created 16 Apr 2026 08:36 https://www.wrds.uwyo.edu

WRDS Water Resources Data System

Wyoming Area Affected: 100% D0-D4 ; 95.86% D1-D4



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

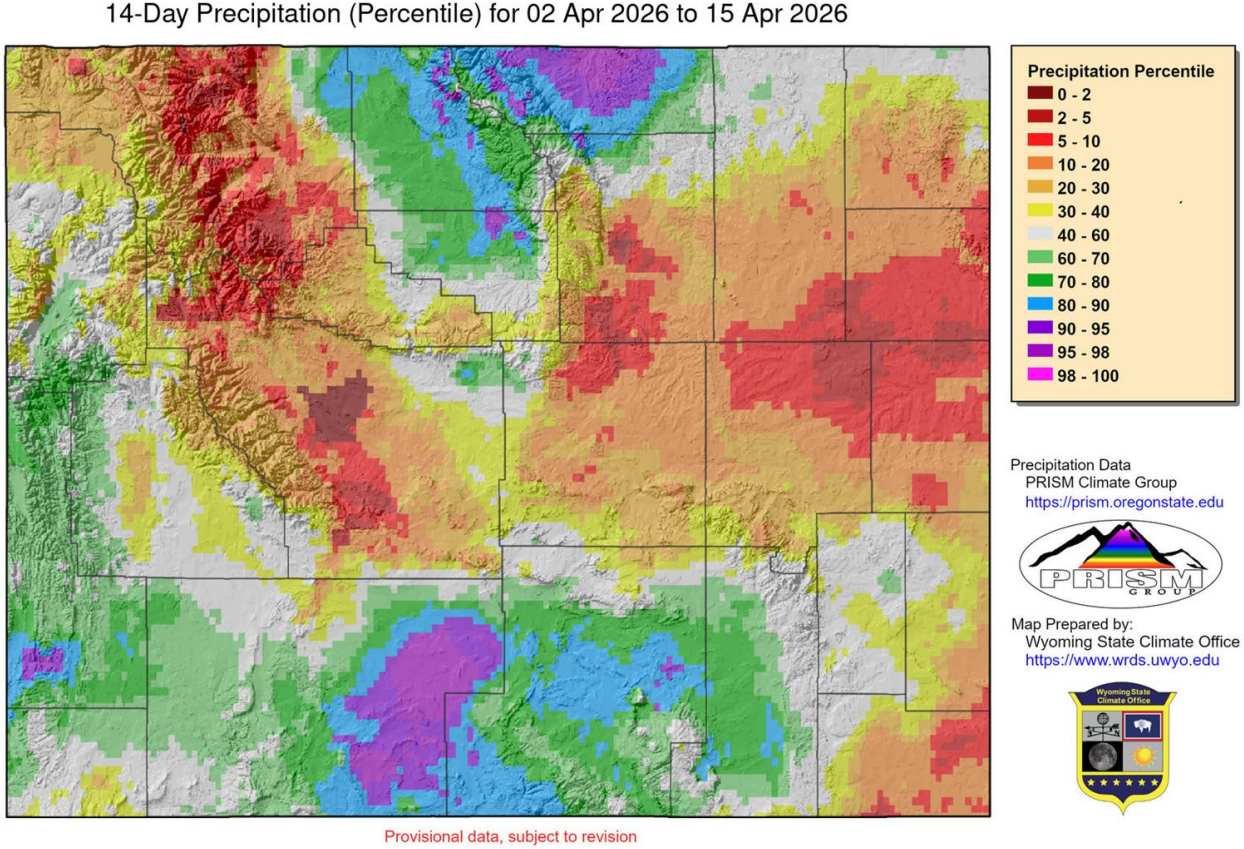
14-Day Precipitation Percentile (02 Apr 2026 to 15 Apr 2026)

Above Median:

- North Central
- South Central
- Far West Central

Below Median (*Areas of Concern*):

- Park, Fremont, Hot Springs
- East/East Central
- Laramie County



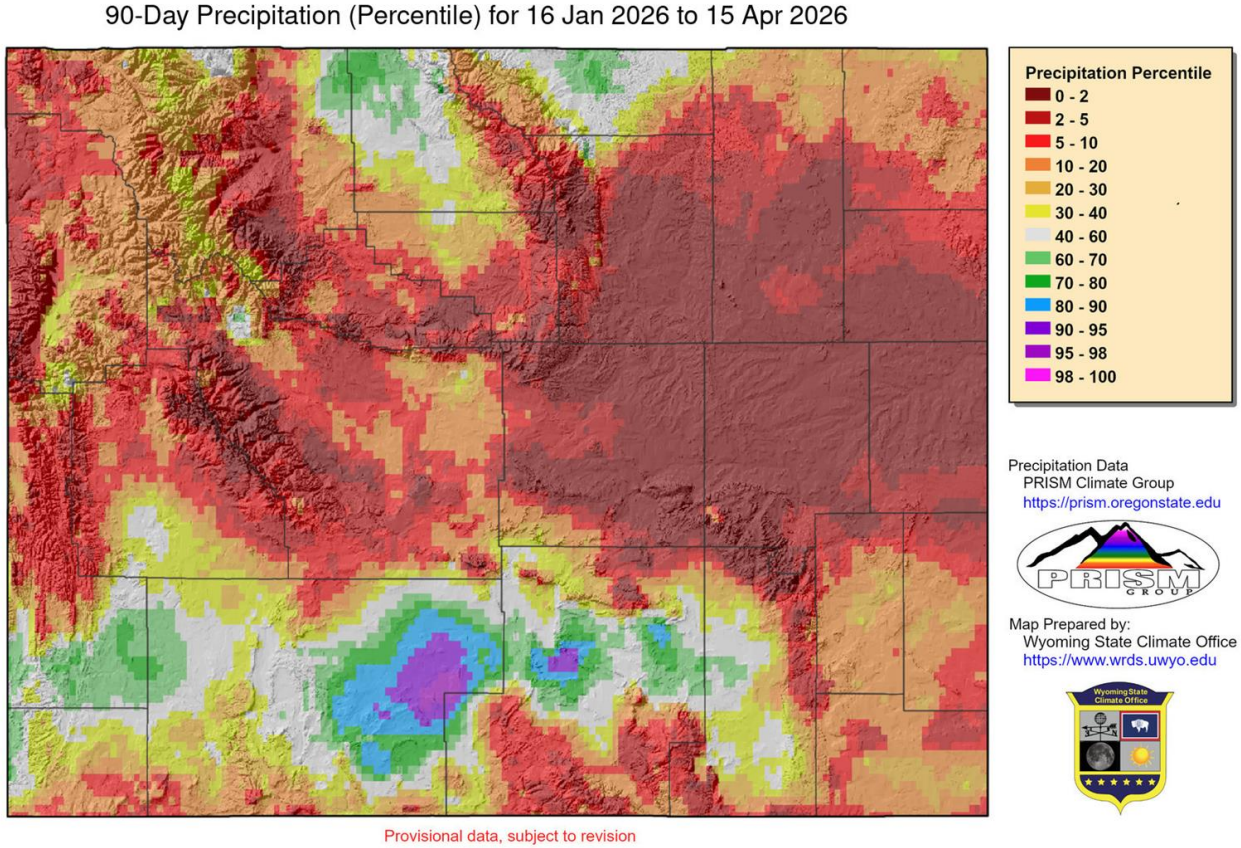
90-Day Precipitation Percentile (16 Jan 2026 to 15 Apr 2026)

Above Median:

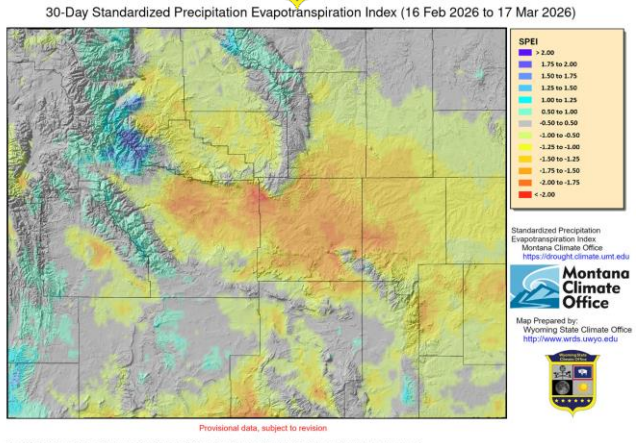
- Southern Lincoln County
- Far North Central
- Northern Sweetwater and Carbon Counties

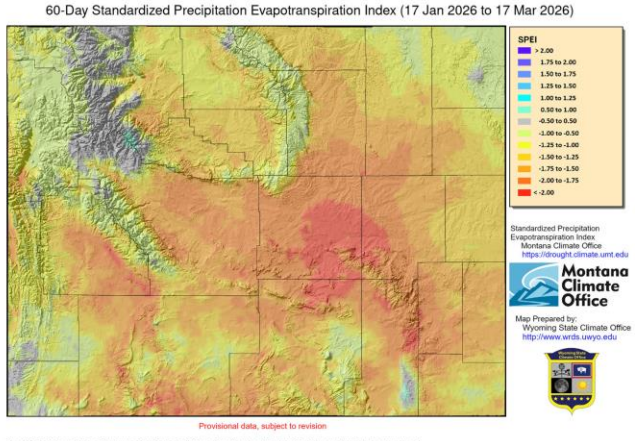
Below Median (*Areas of Concern*):

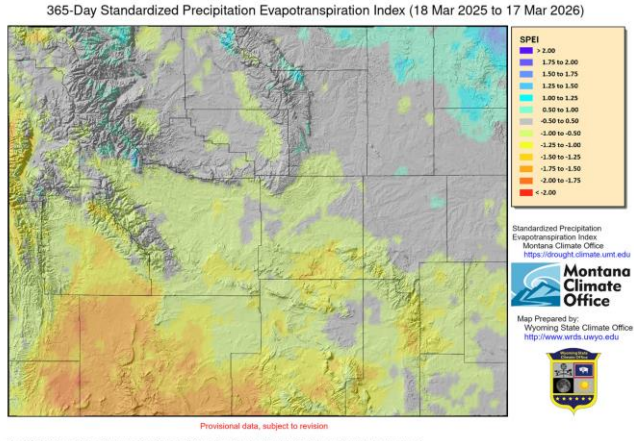
- South Central
- Northern two-thirds of WY



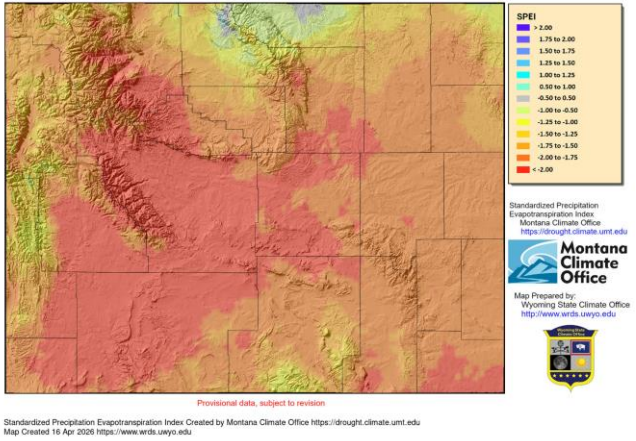
Standardized Precipitation Evapotransipration Index



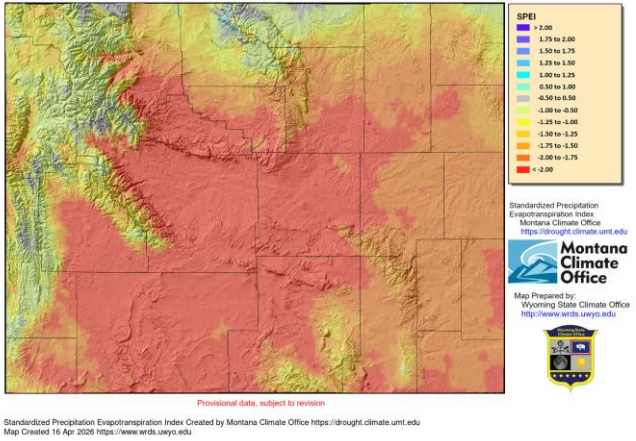




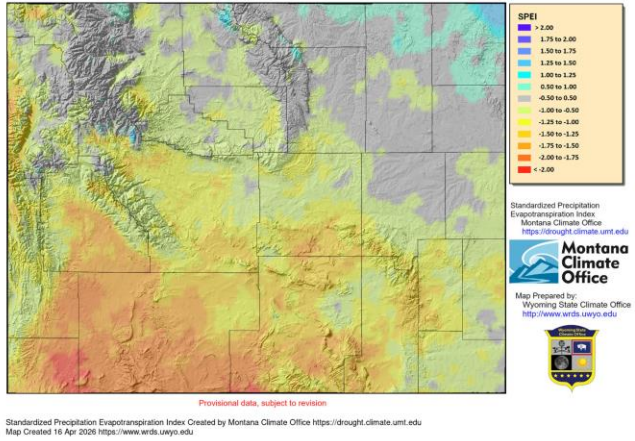
30-Day



60-Day



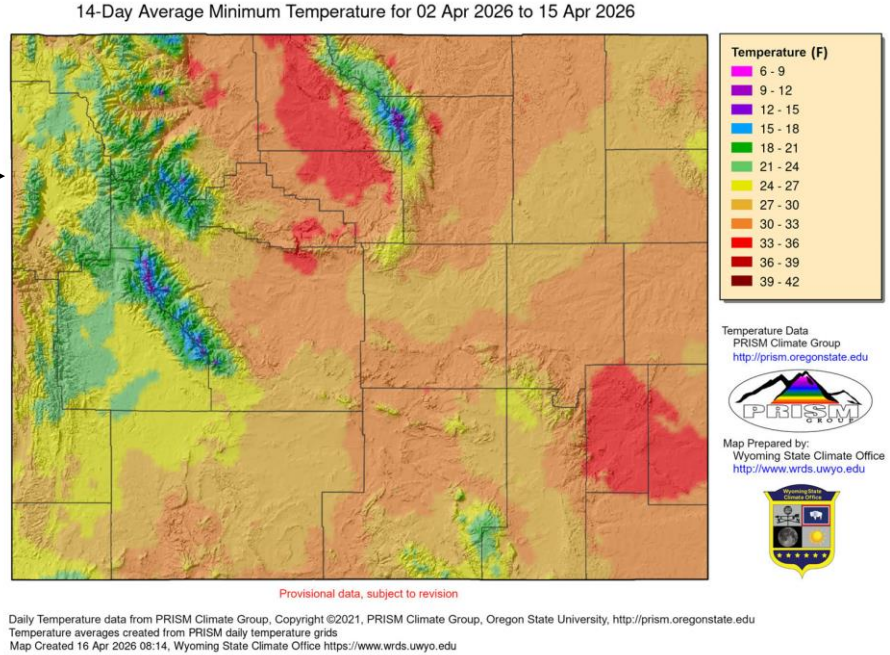
1-Year

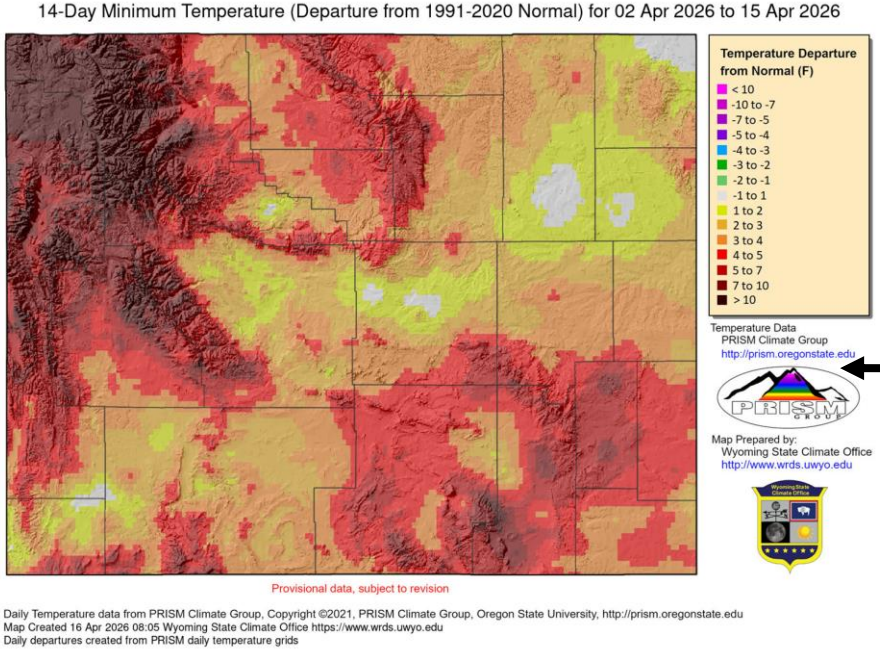


https://drought.climate.umt.edu

14-Day Average Minimum Temperature (02 Apr to 15 Apr)

- Nighttime lows just above freezing BH Basin, Platte/Goshen
- Sublette coolest of the low elevation areas
- Remainder of low elevation upper 20s to lower 30s





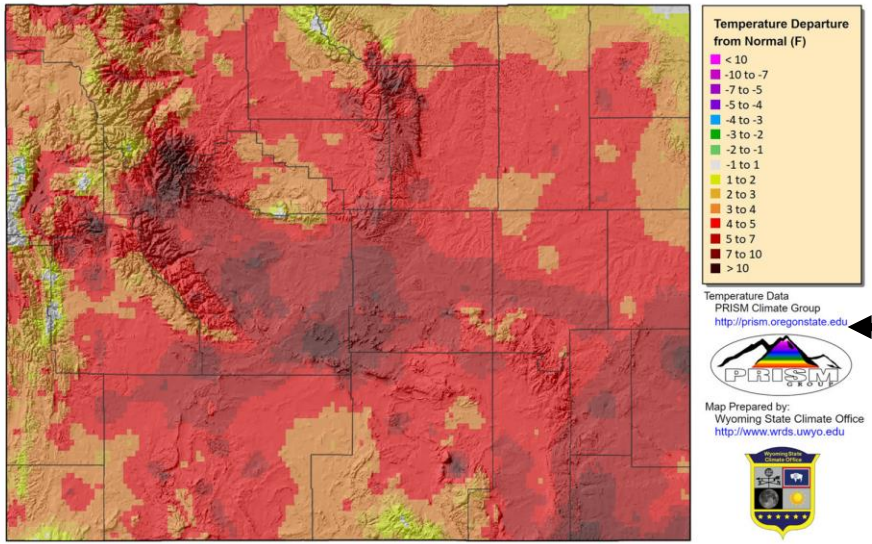
14-Day *Departure from* Normal Average Minimum Temperature

- Above normal statewide with few small pockets of normal
- Northwest mountains, south central higher elevations 10F+ above normal
- Northeast smallest positive departure from normal

14-Day Average Maximum Temperature (02 Apr to 15 Apr)

- Above 32F statewide
- Wind/BH Basins Lower 60s
- Southeastern Plains Lower 60s to mid-60s

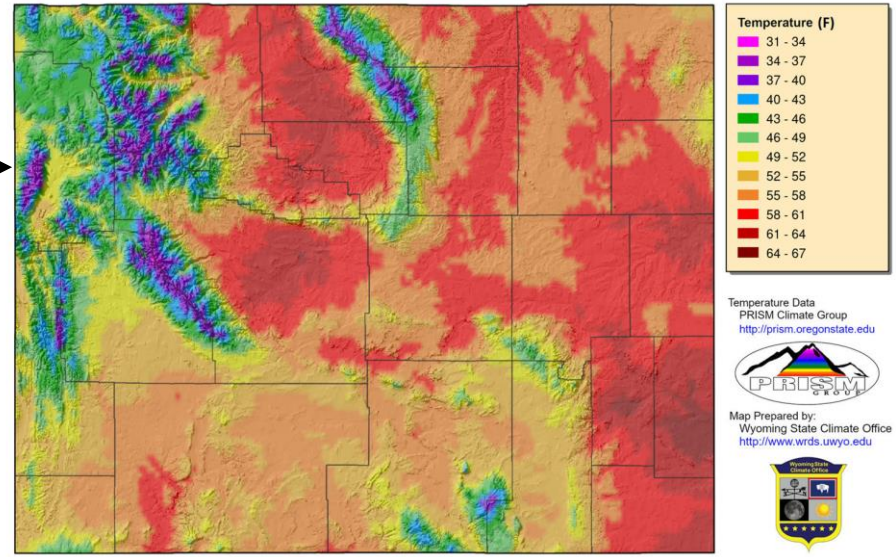
14-Day Maximum Temperature (Departure from 1991-2020 Normal) for 02 Apr 2026 to 15 Apr 2026



Provisional data, subject to revision

Daily Temperature data from PRISM Climate Group, Copyright ©2021, PRISM Climate Group, Oregon State University, http://prism.oregonstate.edu
Map Created 16 Apr 2026 08:00 Wyoming State Climate Office https://www.wrds.uwyo.edu
Daily departures created from PRISM daily temperature grids

14-Day Average Maxmimum Temperature for 02 Apr 2026 to 15 Apr 2026



Provisional data, subject to revision

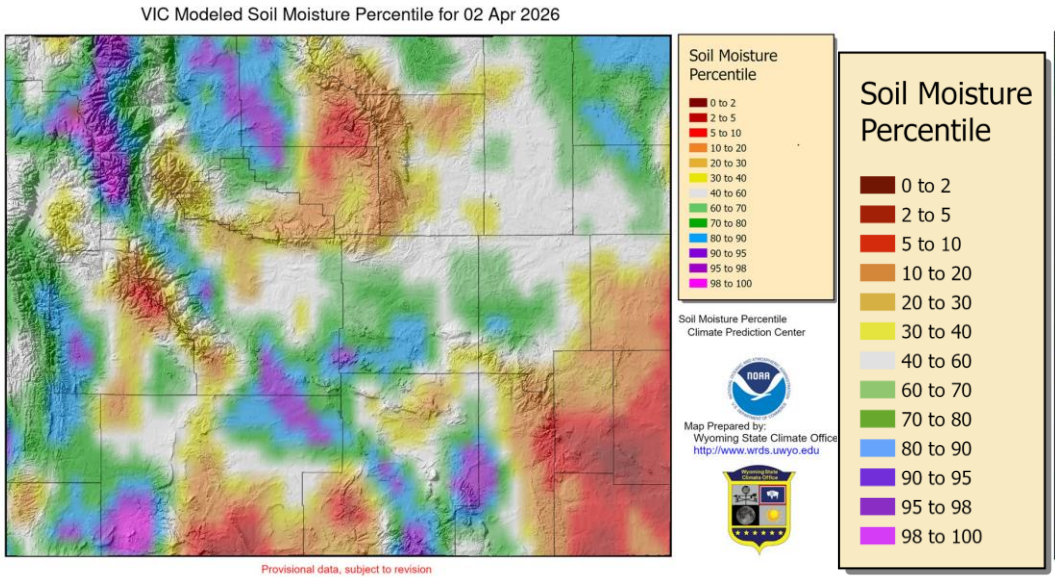
Daily Temperature data from PRISM Climate Group, Copyright ©2021, PRISM Climate Group, Oregon State University, http://prism.oregonstate.edu
Temperature averages created from PRISM daily temperature grids
Map Created 16 Apr 2026 08:15, Wyoming State Climate Office https://www.wrds.uwyo.edu

14- Day *Departure from* Normal Average Maximum Temperature

- Normal to slightly above normal in the northeast, Tetons, Sierra Madres, northwestern Bighorns
- Wind Basin, Areas of Southeast 10F+ above normal

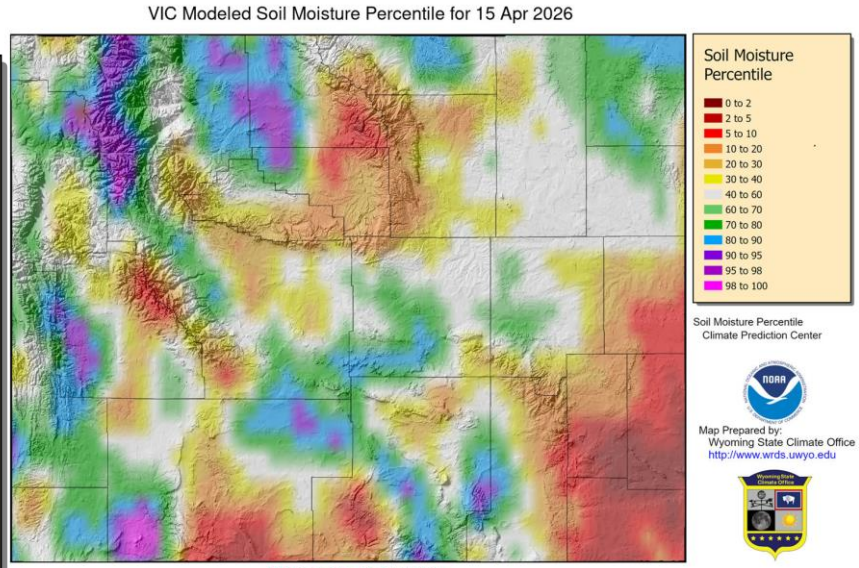
Soil Moisture Percentile

~Two Weeks Ago



VIC (Variable Infiltration Capacity) Modeled Soil Moisture Percentile: https://www.cpc.ncep.noaa.gov/products/Drought/Monitoring/smp.shtml
Map Created 03 Apr 2026 https://www.wrds.uwyo.edu

15 Apr 2026



VIC (Variable Infiltration Capacity) Modeled Soil Moisture Percentile: https://www.cpc.ncep.noaa.gov/products/Drought/Monitoring/smp.shtml
Map Created 16 Apr 2026 https://www.wrds.uwyo.edu

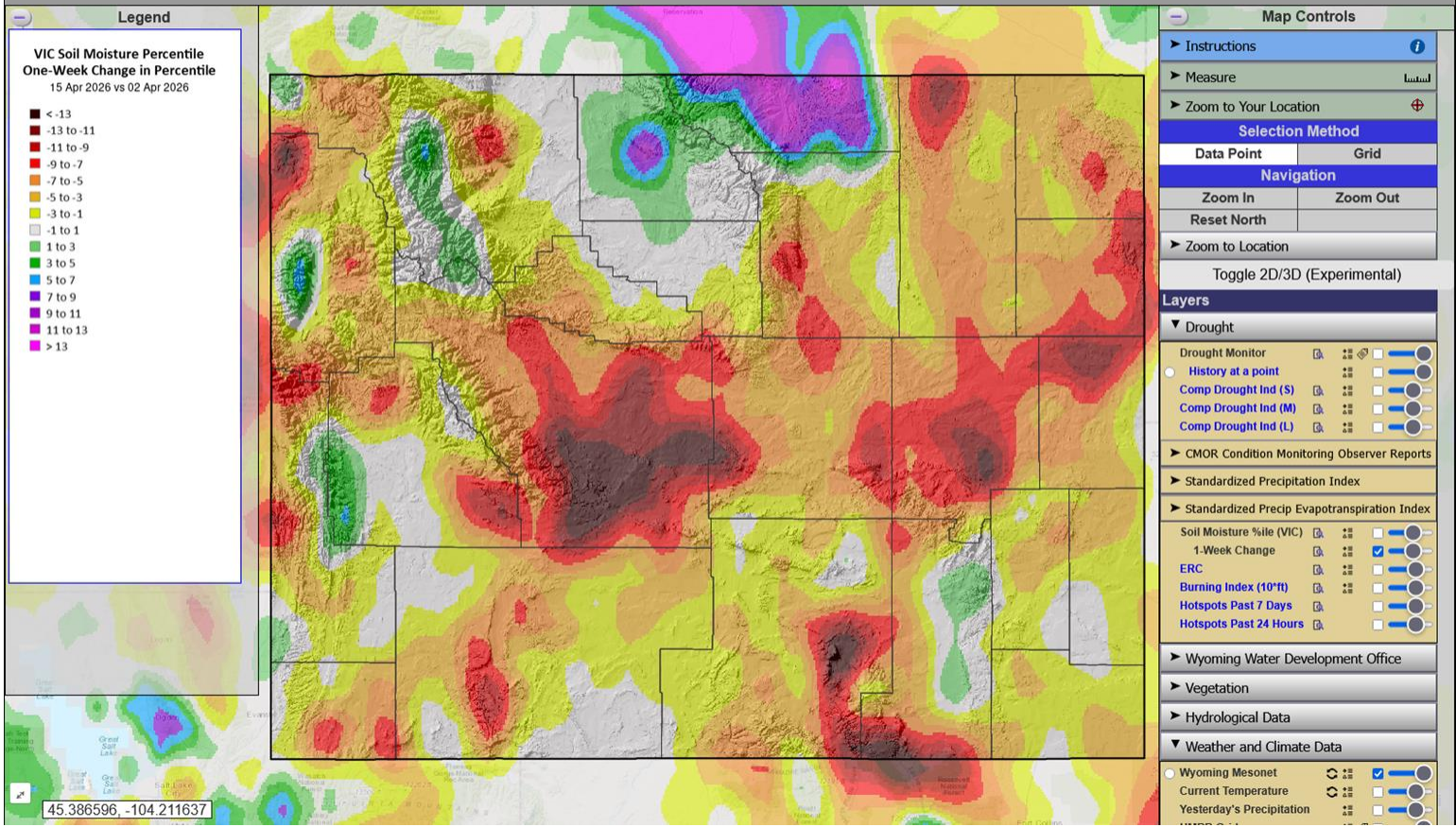
https://www.wrds.uwyo.edu/Soil/Current_SoilMoisture_Ptile.html

Degradations in much of the state with some improvement in the north central areas, though this is declining

WRDS Water Resources Data System

Water Resources Data System & State Climate Office

Home | Data & Products | Documents | Wyoming Climate | Wyoming Weather | Drought | CoCoRaHS | Sitemap | Interactive Maps | Contact

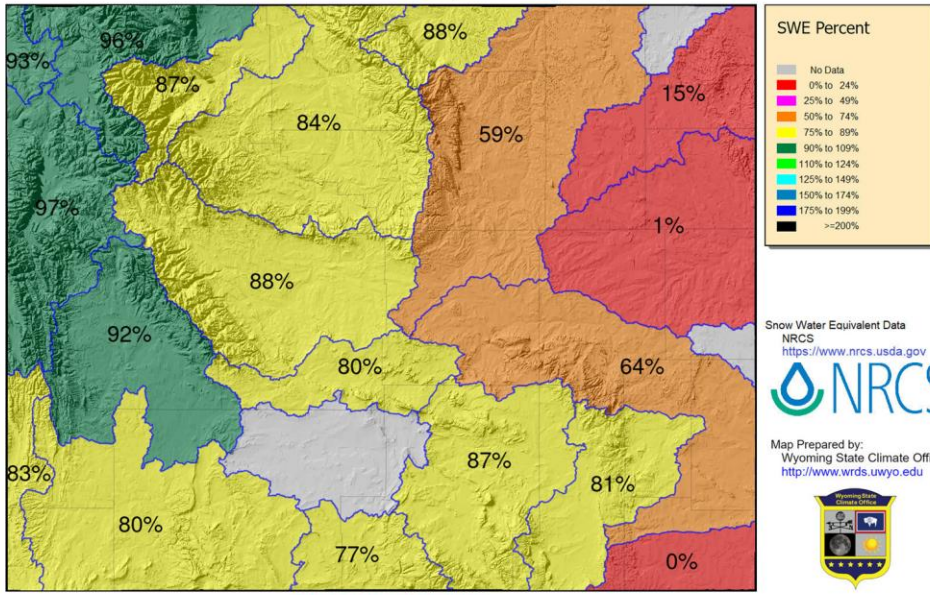


https://www.wrds.uwyo.edu/wace/wacehome.html

Snow Water Equivalent by Basin

One Year Ago

Snow Water Equivalent Percent of Median (1991-2020) 16 Apr 2025



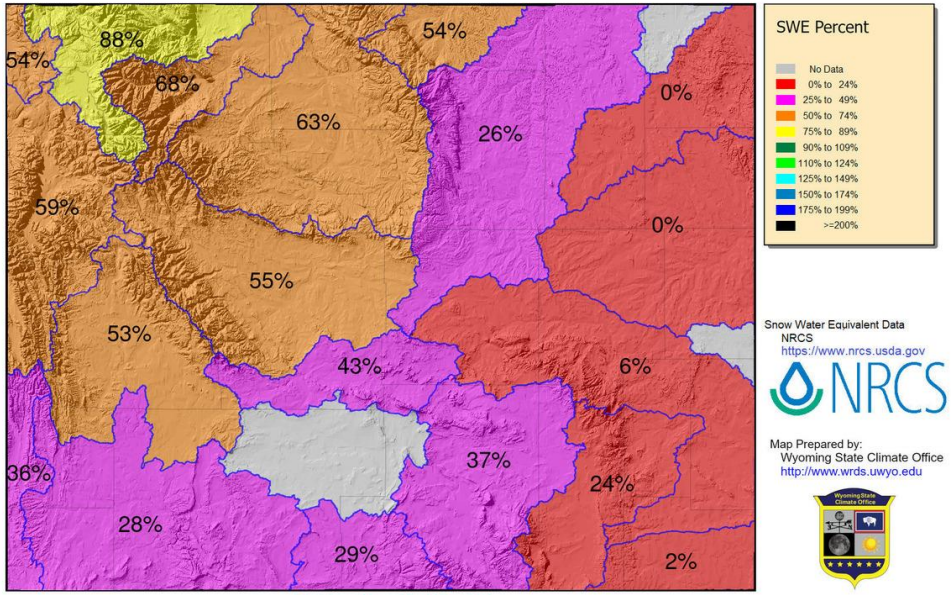
Provisional data, subject to revision

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 16 Apr 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.

16 Apr 2026

Snow Water Equivalent Percent of Median (1991-2020) 16 Apr 2026

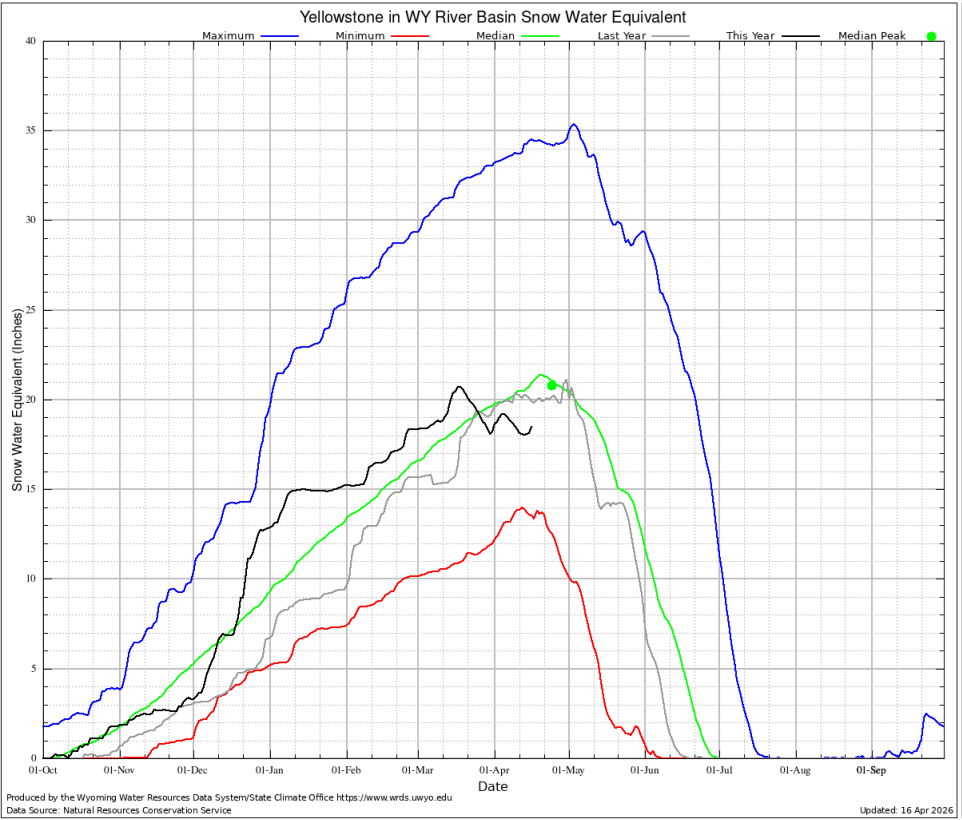


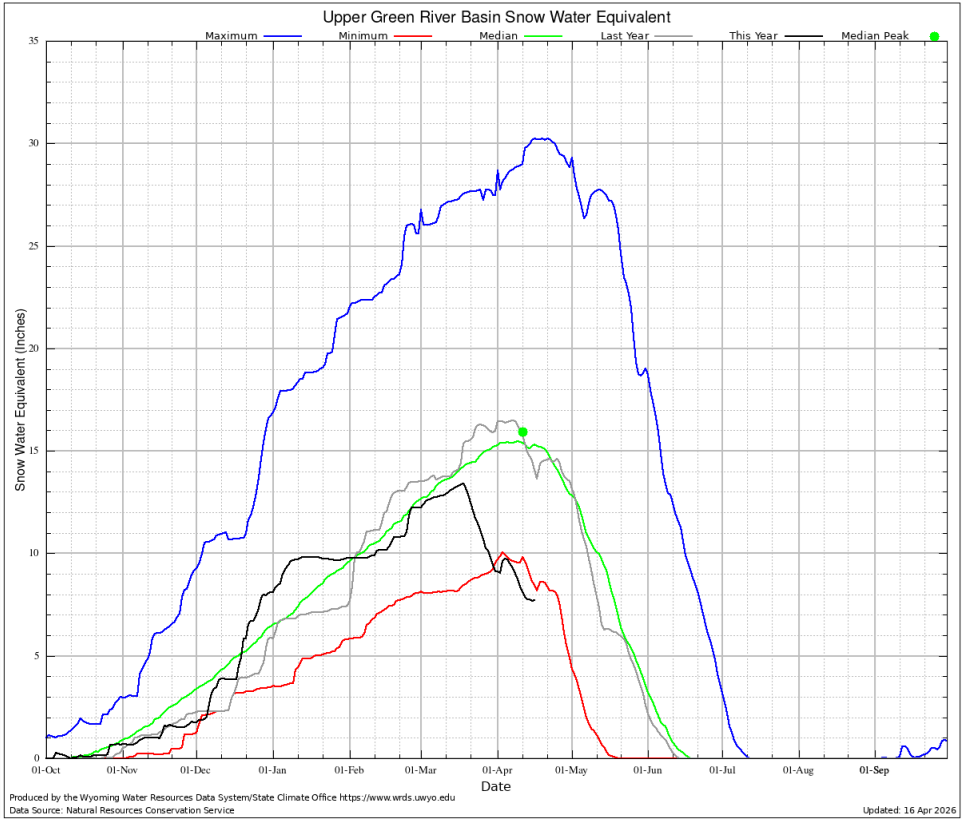
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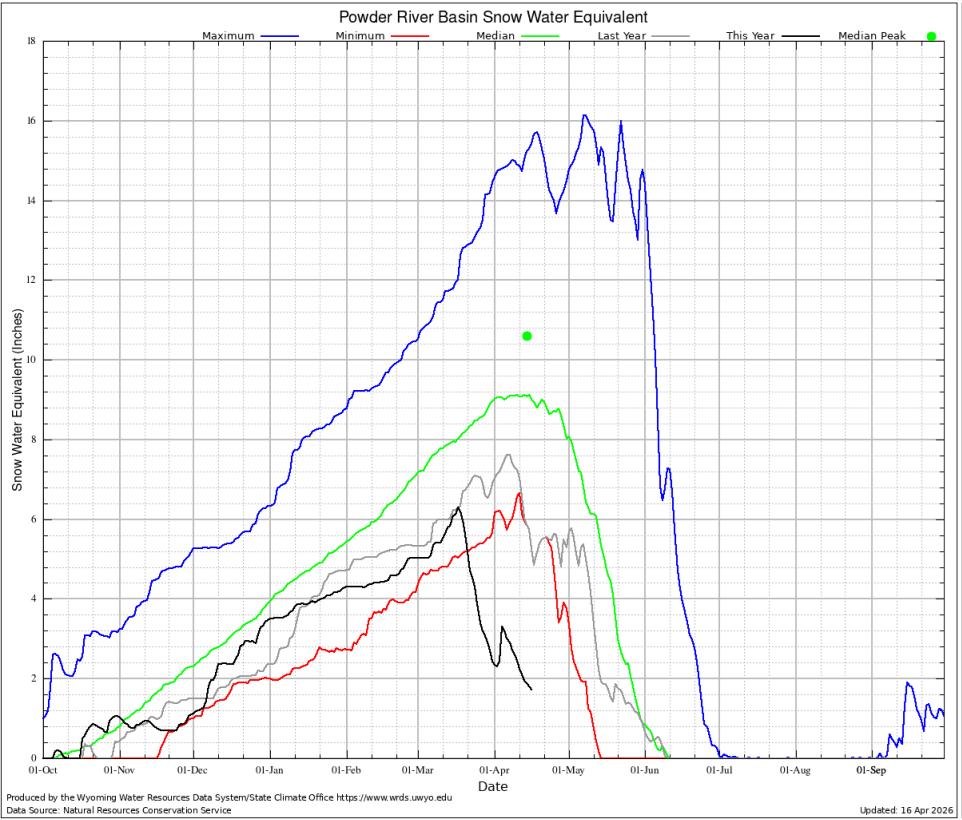
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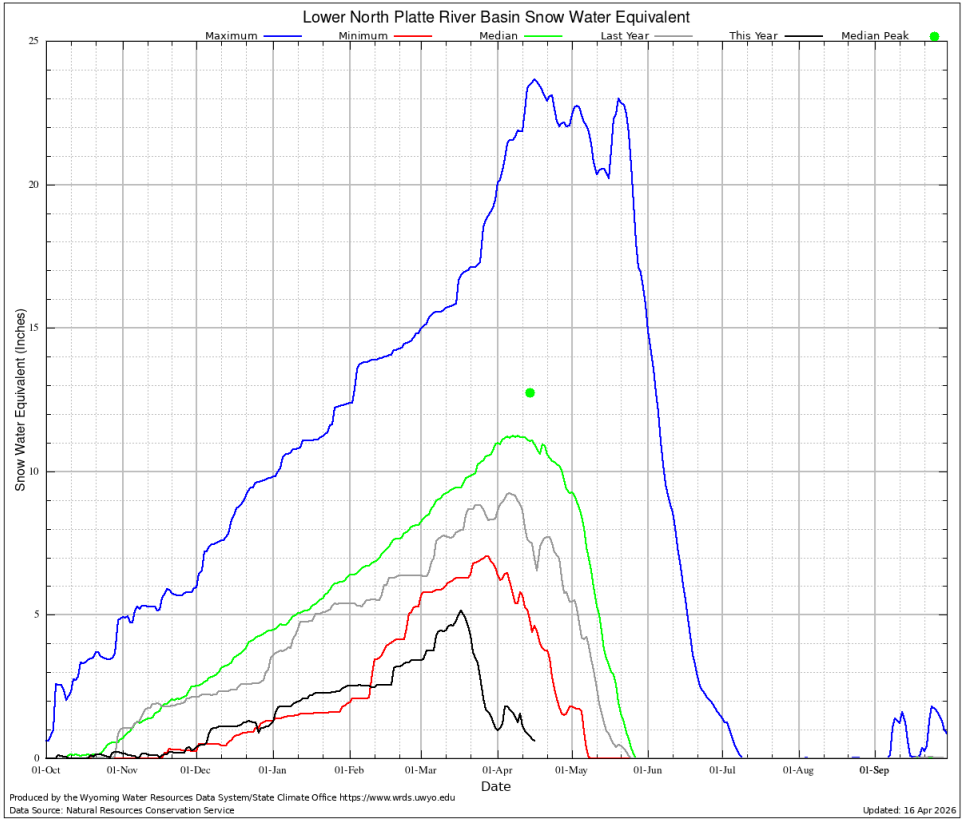




https://www.wrds.uwyo.edu/Snow/BasinPeakSWE.html

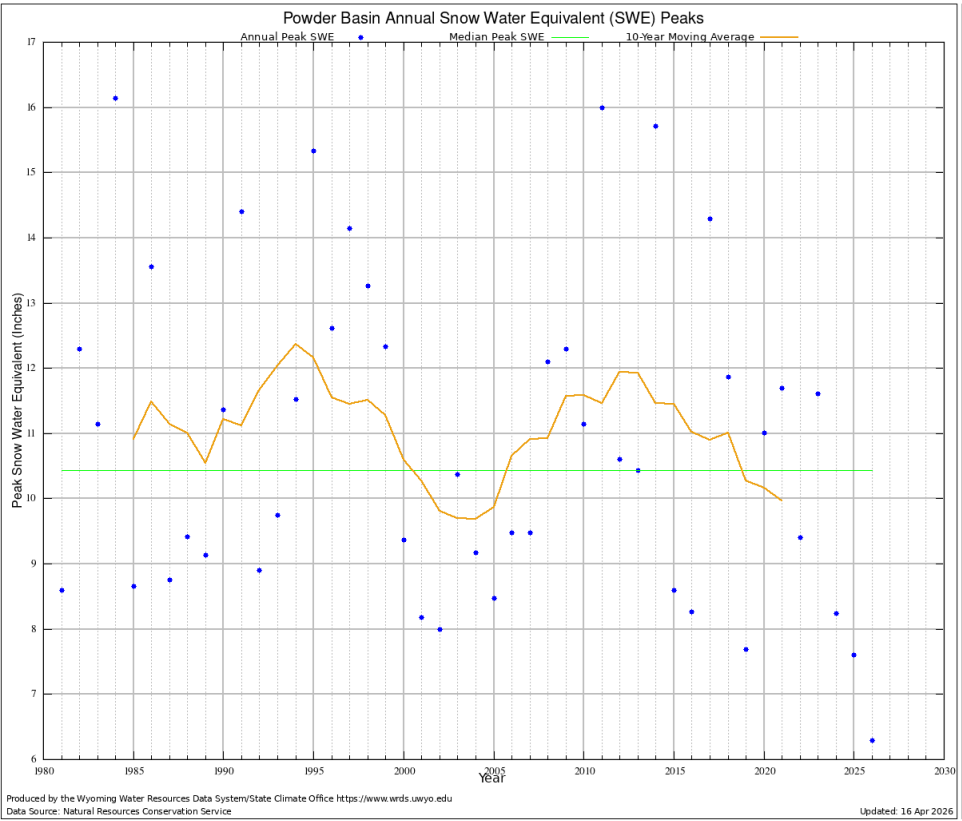
Snow Water Equivalent by Basin

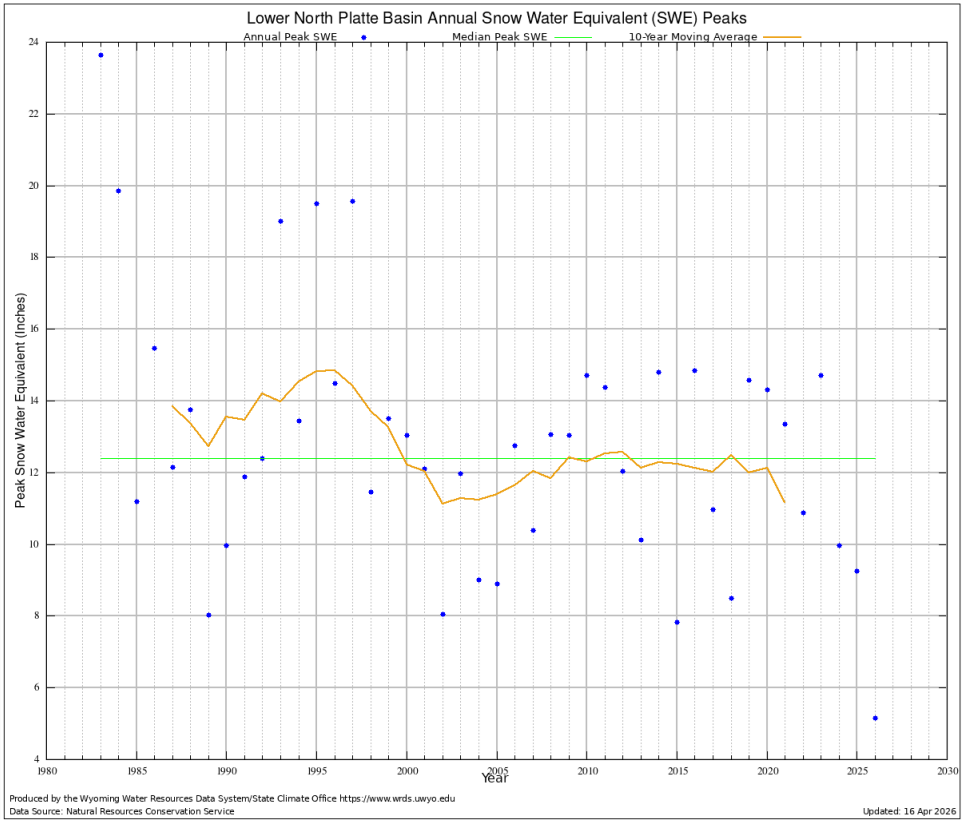




https://www.wrds.uwyo.edu/Snow/BasinPeakSWE.html

Peak Snow Water Equivalents by Basin





https://www.wrds.uwyo.edu/Snow/BasinPeakSWE.html

01 April 2026 Snow Water Equivalent Rankings (SnoTel-Based)

Current Day Snow Water Equivalent Ranking by Basin

Values are in inches, current rank starts with1 being the lowest.

Basin	Lowest	2nd Lowest	3rd Lowest	01 Apr 2026	3rd Highest	2nd Highest	Highest
Belle Fourche	2012 0.00	2026 0.00	2017 0.17	0.00 (Rank: 2/30)	1998 8.90	2011 9.23	1997 9.45
Bighorn	2026 6.32	2001 7.24	1981 7.63	6.32 (Rank: 1/46)	1997 13.87	1986 14.00	2014 15.64
Cheyenne	2012 0.00	2026 0.00	2017 0.25	0.00 (Rank: 2/30)	2014 9.15	1997 9.45	2011 9.60
Laramie	2026 4.13	2004 8.44	2012 9.34	4.13 (Rank: 1/44)	1996 20.12	1997 20.93	1986 24.05
Little Snake	2026 5.60	2015 9.85	2012 10.46	5.60 (Rank: 1/41)	1997 26.90	2011 27.32	2023 31.11
Lower Green	2026 3.49	2015 6.25	2012 8.60	3.49 (Rank: 1/41)	1996 17.21	1997 17.33	1986 18.19
Lower North Platte	2026 1.05	2015 6.38	2013 7.12	1.05 (Rank: 1/44)	1984 15.30	1997 17.25	1983 20.07
Madison	1977 10.97	2015 11.70	2001 11.80	11.82 (Rank: 4/55)	1972 29.98	1997 35.82	1974 36.27
Powder	2026 2.98	2024 6.17	2022 6.83	2.98 (Rank: 1/46)	1986 12.30	1997 12.55	2014 14.59
Shoshone	2001 10.72	2005 11.68	2026 11.75	11.75 (Rank: 3/45)	1996 26.37	1986 27.66	1997 28.25
Snake	1992 12.21	2001 12.73	2010 13.50	14.62 (Rank: 5/46)	1986 31.74	1997 33.04	1982 33.35
South Platte	2017 0.00	2026 0.00	2004 0.10	0.00 (Rank: 2/23)	2011 9.60	2016 10.00	2010 10.50
Sweetwater	2026 6.23	2015 7.03	2013 8.97	6.23 (Rank: 1/28)	2023 17.60	2005 20.70	2017 26.83
Tongue	2026 4.65	2024 7.66	2001 7.72	4.65 (Rank: 1/44)	1990 14.93	1984 15.18	2014 15.43
Upper Bear	2026 7.06	2015 8.56	2012 10.39	7.06 (Rank: 1/46)	1997 27.08	1982 27.36	1986 29.48
Upper Green	2010 9.72	1981 10.21	1992 10.30	10.50 (Rank: 4/45)	1997 26.77	1982 27.44	1986 28.67
Upper North Platte	2026 8.33	2012 13.48	2015 14.84	8.33 (Rank: 1/44)	1997 29.91	1986 32.16	2011 32.21
Wind	2001 7.91	2026 8.53	2015 9.04	8.53 (Rank: 2/46)	1997 18.46	1986 20.06	2017 23.42
Yellowstone	2001 12.22	2010 13.77	1981 13.99	20.32 (Rank: 27/46)	2018 29.96	1996 30.26	1997 33.24

Data from Natural Resources Conservation Service SnoTel Network

Wyoming Water Resources Data System - Established 1967

https://www.wrds.uwyo.edu/Snow/BasinSWERank.html

16 April 2026 Snow Water Equivalent Rankings (SnoTel-Based)

Wyoming
Current Day Snow Water Equivalent Ranking by Basin (Thu, 16 Apr 2026)

Values are in inches, current rank starts with1 being the lowest.

Basin	Lowest	2nd Lowest	3rd Lowest	16 Apr 2026	3rd Highest	2nd Highest	Highest
Belle Fourche	2004 0.00	2005 0.00	2016 0.00	0.00 (Rank: 5/30)	1998 8.20	2008 8.63	1997 11.75
Bighorn	2026 6.20	2006 7.30	2002 7.34	6.20 (Rank: 1/46)	1986 15.06	1997 15.24	2014 16.70
Cheyenne	2004 0.00	2005 0.00	2016 0.00	0.00 (Rank: 6/30)	2011 8.20	2008 9.60	1997 11.75
Laramie	2026 3.31	2012 7.39	2002 7.97	3.31 (Rank: 1/44)	1983 22.18	1997 23.05	1986 27.02
Little Snake	2026 5.40	2012 6.71	2015 7.74	5.40 (Rank: 1/41)	2023 29.39	2011 29.59	1997 30.40
Lower Green	2026 2.68	2015 5.16	2012 6.44	2.68 (Rank: 1/41)	2023 17.55	2011 18.59	1997 19.30
Lower North Platte	2026 0.62	2002 4.62	2015 4.83	0.62 (Rank: 1/44)	1993 17.93	1997 19.25	1983 23.65
Madison	1977 9.83	1987 12.66	2026 12.72	12.72 (Rank: 3/55)	1982 29.15	1997 31.57	1974 33.97
Powder	2026 1.72	2025 5.26	2002 5.75	1.72 (Rank: 1/46)	1986 13.16	1997 13.78	2014 15.44
Shoshone	2004 11.15	2026 11.98	2005 12.03	11.98 (Rank: 2/45)	2018 27.07	1997 29.35	1986 29.46
Snake	1992 10.50	2026 11.77	2004 13.08	11.77 (Rank: 2/46)	1986 32.21	1997 33.74	1982 37.05
South Platte	2004 0.00	2017 0.00	2025 0.00	0.10 (Rank: 4/23)	2020 7.50	2010 8.20	2011 8.40
Sweetwater	2026 5.70	2015 7.30	2013 9.57	5.70 (Rank: 1/28)	1999 19.30	2005 20.50	2017 26.23
Tongue	2026 5.37	2016 6.97	2006 7.45	5.37 (Rank: 1/44)	1991 16.57	2014 16.80	1990 16.93
Upper Bear	2026 5.44	1992 6.68	2015 8.03	5.44 (Rank: 1/46)	1997 28.27	1986 30.90	1982 30.91
Upper Green	2026 7.72	1992 8.46	1981 10.74	7.72 (Rank: 1/45)	1997 27.23	1986 28.33	1982 30.23
Upper North Platte	2026 8.36	2012 11.09	2002 12.78	8.36 (Rank: 1/44)	1997 33.00	2011 35.07	1986 35.13
Wind	2026 7.08	1992 8.80	2012 9.31	7.08 (Rank: 1/46)	1997 19.59	1986 21.70	2017 23.76
Yellowstone in WY	2004 13.55	1987 14.57	2001 14.61	18.48 (Rank: 19/46)	2011 30.23	1997 34.03	2018 34.50

Data from Natural Resources Conservation Service SnoTel Network

Wyoming Water Resources Data System - Established 1967

https://www.wrds.uwyo.edu/Snow/BasinSWERank.html

2026 Peak Snow Water Equivalent

Wyoming

Peak Snow Water Equivalent Dates and Totals by Basin With Meltout Dates

This year's "to-date" peak snow water equivalent (SWE) compared to median. (Thu, 16 Apr 2026)
Red indicates **earlier** peak date or **lower** SWE compared to median
Blue indicates **later** peak date or **higher** SWE compared to median
Click Column Headers to Sort

Basin Click to View Chart	This Year Peak Date	This Year Peak SWE (inches)	Days Early/Late	Peak SWE Dif (inches)	Percent of Median Peak SWE	Median Peak Date	Median Peak SWE (inches)	Current SWE	Median Meltout Date
Belle Fourche	16 Mar 2026	3.93	-12	-2.9	57%	28 Mar IMG	6.87 IMG	0.00	01 May IMG
Bighorn	17 Mar 2026	7.67	-38	-4.1	65%	24 Apr IMG	11.74 IMG	6.20	21 Jun IMG
Cheyenne	02 Mar 2026	4.25	-25	-3.2	57%	28 Mar IMG	7.50 IMG	0.00	01 May IMG
Laramie	17 Mar 2026	8.21	-29	-7.7	52%	15 Apr IMG	15.90 IMG	3.31	13 Jun IMG
Little Snake	09 Mar 2026	12.35	-27	-8.2	60%	06 Apr IMG	20.50 IMG	5.40	19 Jun IMG
Lower Green	16 Mar 2026	8.86	-23	-4.7	65%	08 Apr IMG	13.58 IMG	2.68	12 Jun IMG
Lower North Platte	17 Mar 2026	5.15	-28	-7.6	40%	14 Apr IMG	12.75 IMG	0.62	29 May IMG
Madison	17 Mar 2026	14.88	-27	-6.1	71%	13 Apr IMG	20.98 IMG	10.64	25 Jun IMG
Powder	17 Mar 2026	6.30	-28	-4.3	59%	14 Apr IMG	10.61 IMG	1.72	10 Jun IMG
Shoshone	17 Mar 2026	15.93	-37	-2.1	89%	23 Apr IMG	17.98 IMG	11.98	27 Jun IMG
Snake	17 Mar 2026	18.09	-25	-2.8	87%	11 Apr IMG	20.89 IMG	11.77	29 Jun IMG
South Platte	07 Mar 2026	0.70	-21	-5.6	11%	29 Mar IMG	6.30 IMG	0.10	25 Apr IMG
Sweetwater	17 Mar 2026	10.73	-32	-4.3	71%	18 Apr IMG	15.03 IMG	5.70	06 Jun IMG
Tongue	17 Mar 2026	6.47	-45	-6.8	49%	01 May IMG	13.30 IMG	5.37	10 Jun IMG
Upper Bear	09 Mar 2026	12.09	-30	-5.7	68%	09 Apr IMG	17.81 IMG	5.44	16 Jun IMG
Upper Green	18 Mar 2026	13.41	-24	-2.6	84%	11 Apr IMG	15.96 IMG	7.72	16 Jun IMG
Upper North Platte	17 Mar 2026	13.87	-30	-10.5	57%	16 Apr IMG	24.35 IMG	8.36	29 Jun IMG
Wind	17 Mar 2026	11.37	-34	-2.6	81%	20 Apr IMG	13.97 IMG	7.08	25 Jun IMG
Yellowstone in WY	18 Mar 2026	20.71	-37	-0.1	100%	24 Apr IMG	20.81 IMG	18.48	01 Jul IMG

Data from Natural Resources Conservation Service SnoTel Network

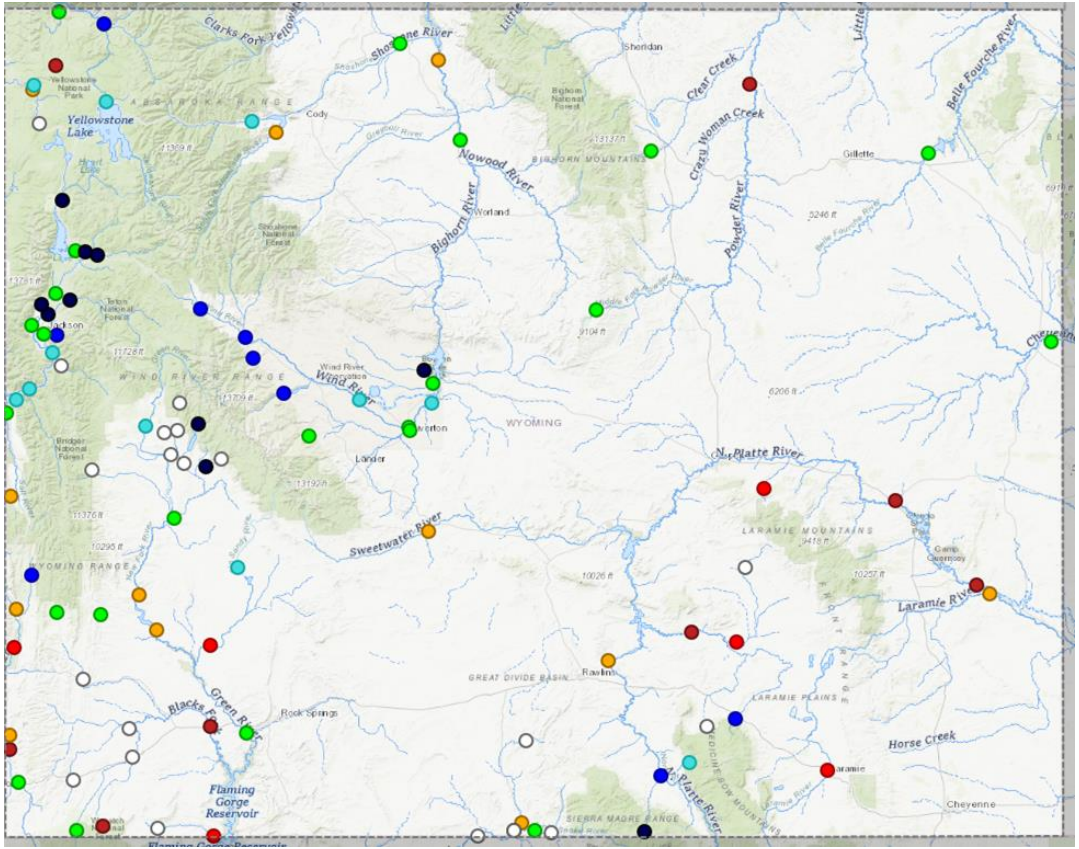
Wyoming Water Resources Data System - Established 1967

https://www.wrds.uwyo.edu/Snow/BasinPeakSWE.html

Current Streamflow Conditions

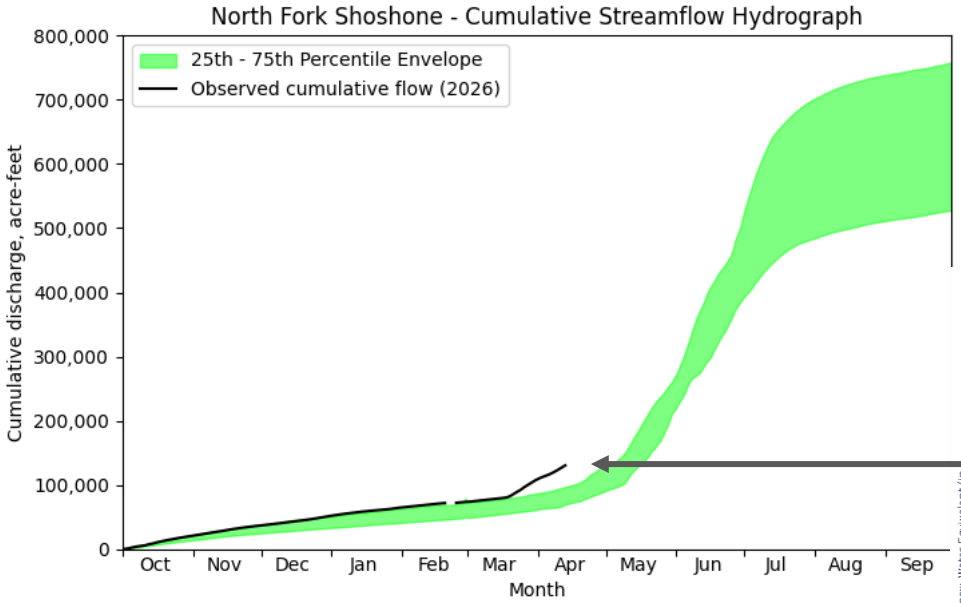
Streamflow Status





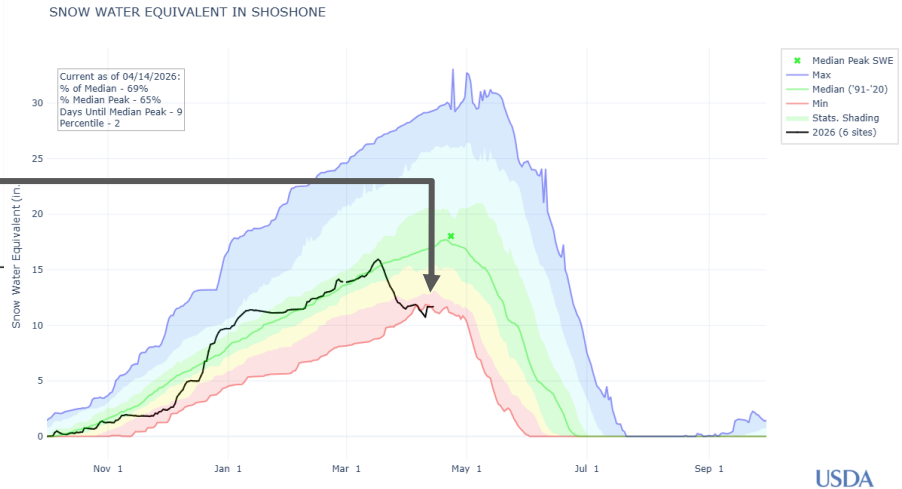
https://dashboard.waterdata.usgs.gov/

Where Are We in the Water Year?



Runoff

- Above normal
- Early runoff?
- April - July = Majority of annual water supply



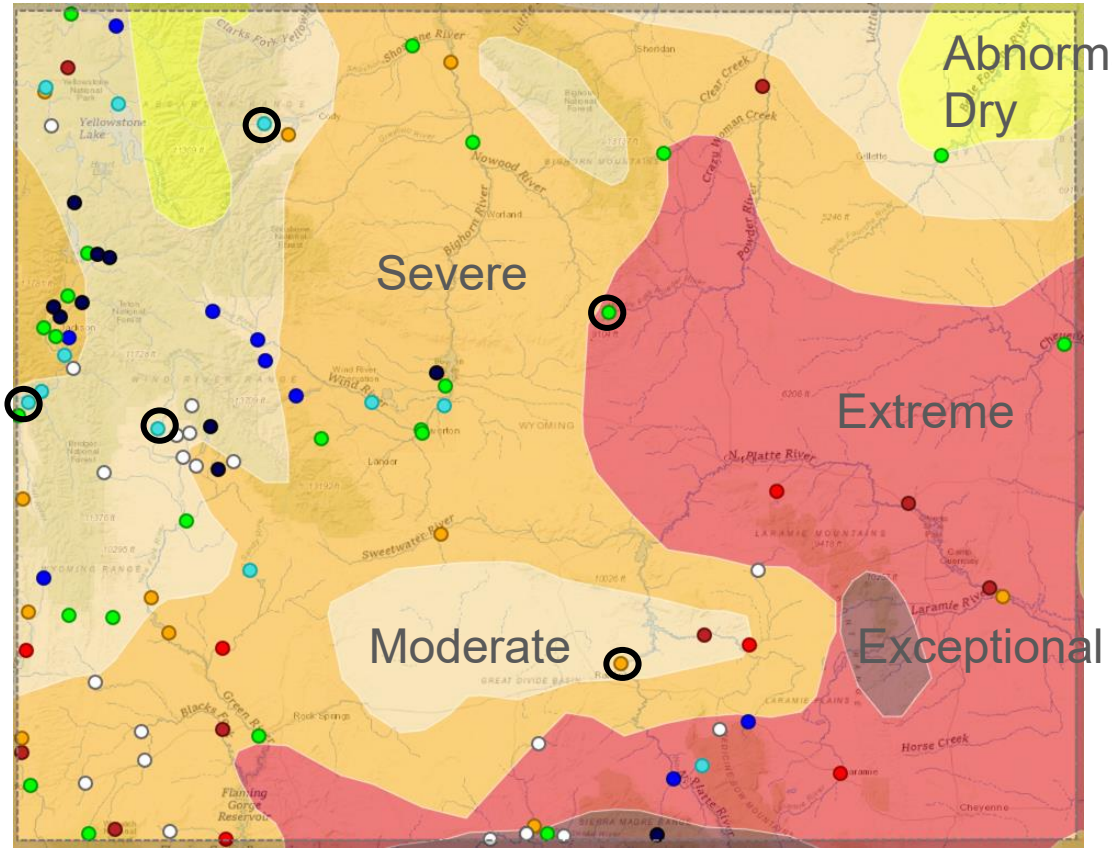
https://waterdata.usgs.gov/

https://nwcc-apps.sc.egov.usda.gov/

Current Streamflow and Drought Conditions

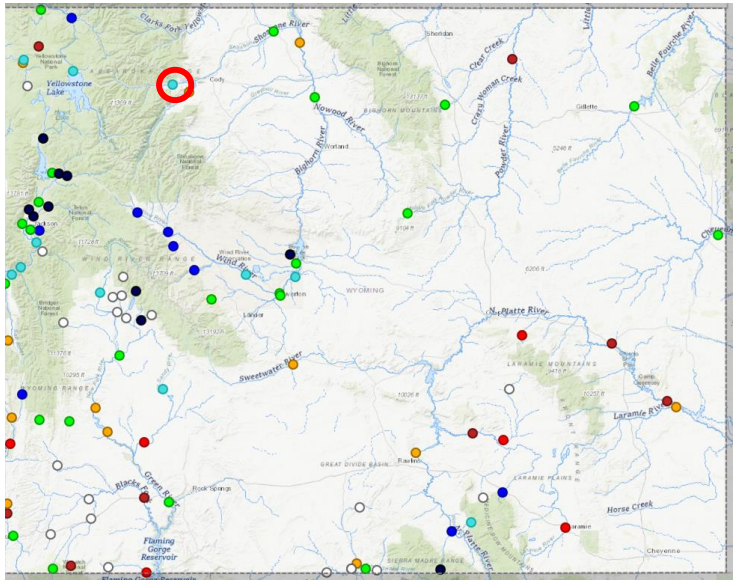
Streamflow Status





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

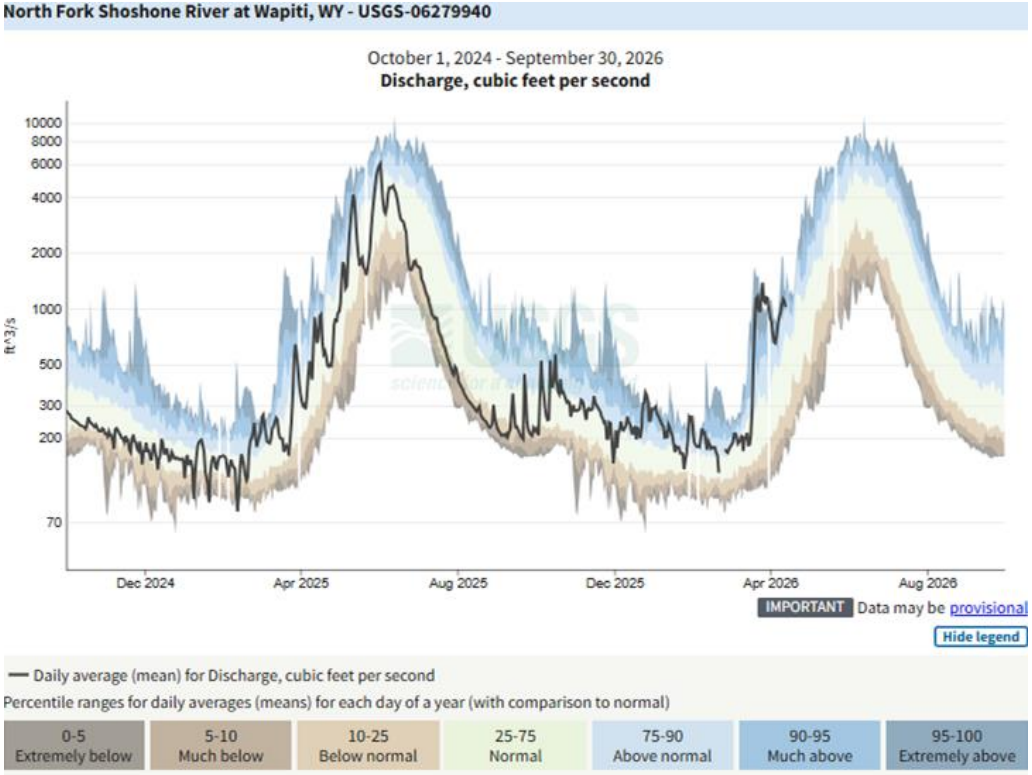
Select WY Streamflows



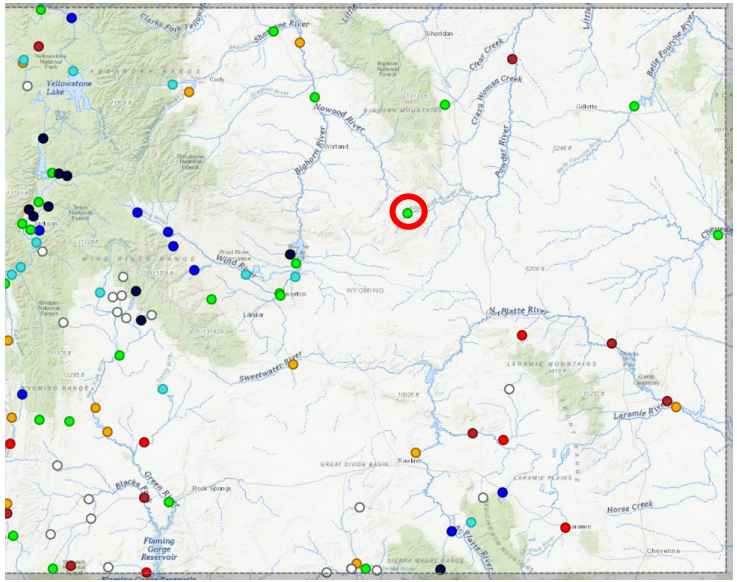
https://dashboard.waterdata.usgs.gov/

https://waterdata.usgs.gov/

North Fork Shoshone River, at Wapiti, WY



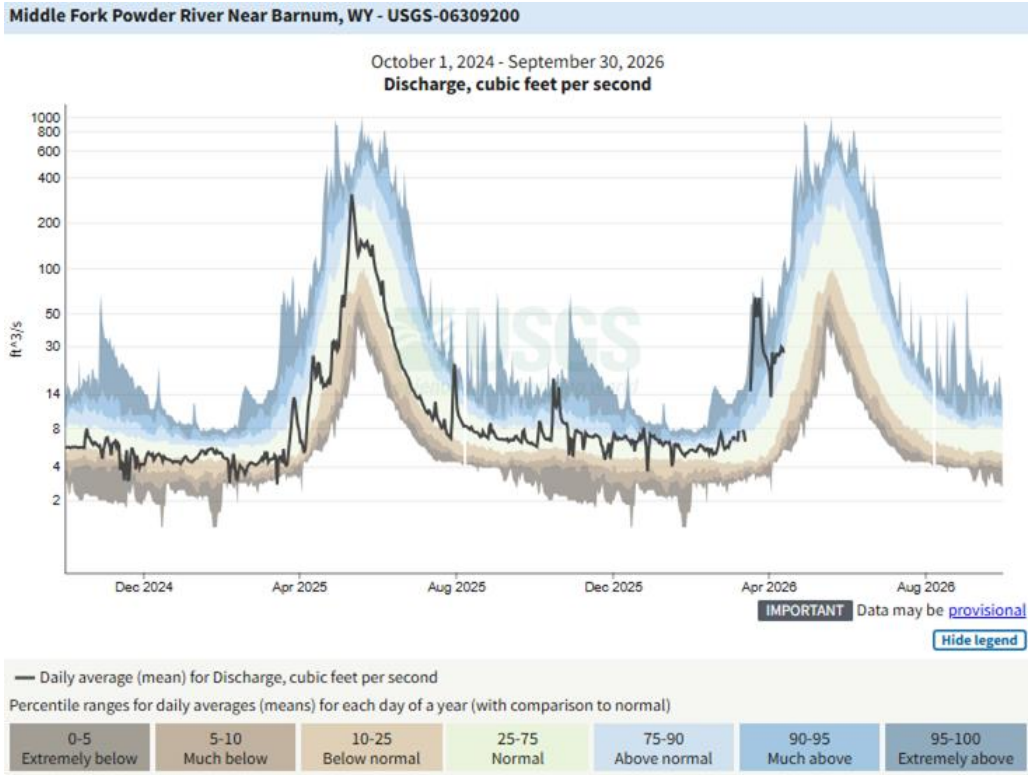
Select WY Streamflows



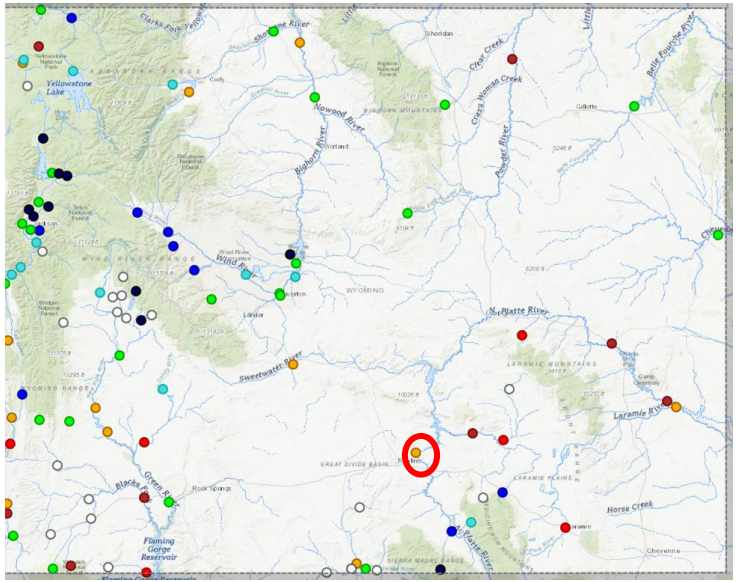
https://dashboard.waterdata.usgs.gov/

https://waterdata.usgs.gov/

Middle Fork Powder River near Barnum, WY



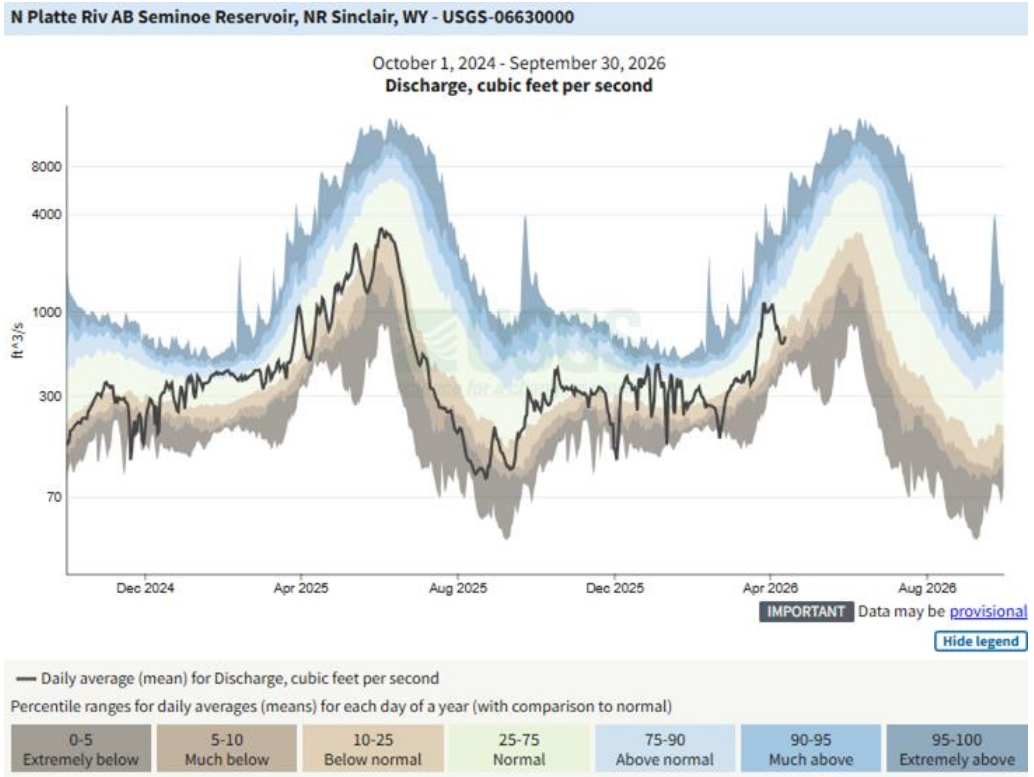
Select WY Streamflows



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

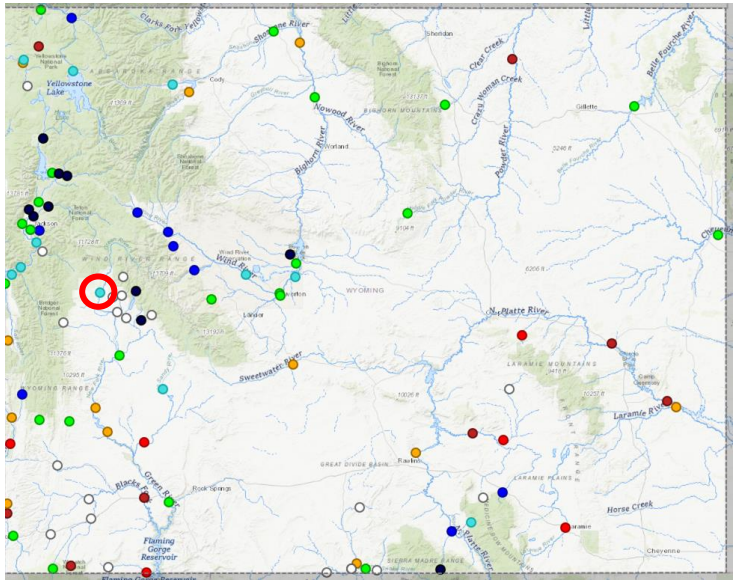
https://waterdata.usgs.gov/

North Platte River, ab Seminoe Res, nr Sinclair WY



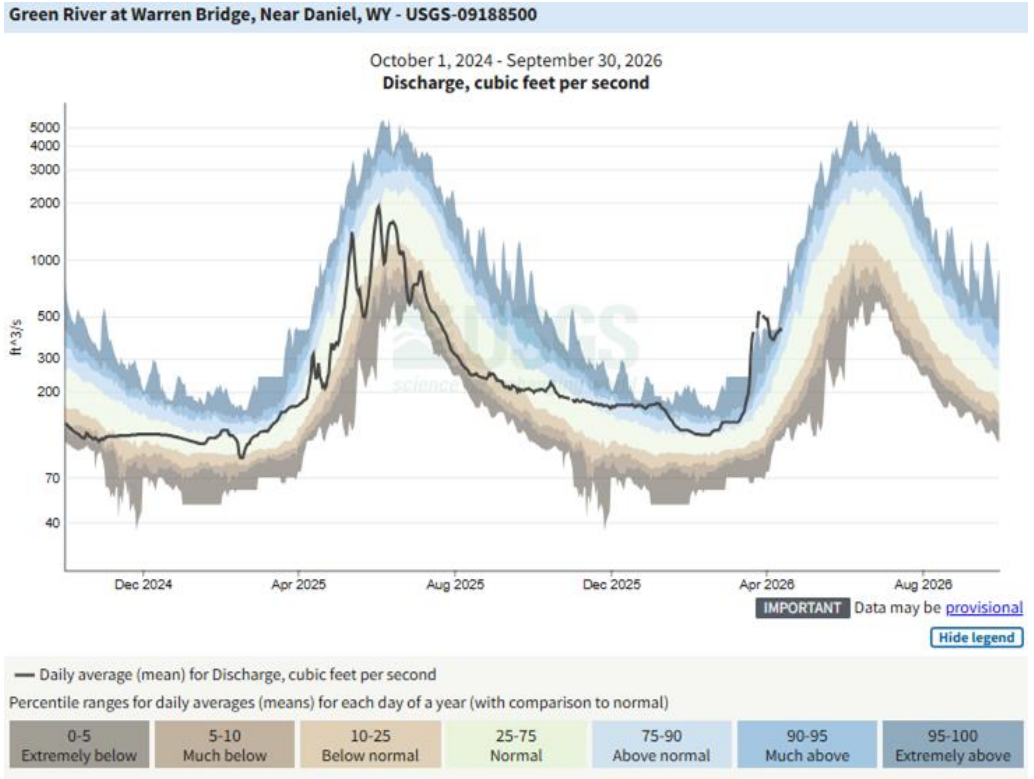
Green River above Warren Bridge, Near Daniel, WY

Select WY Streamflows

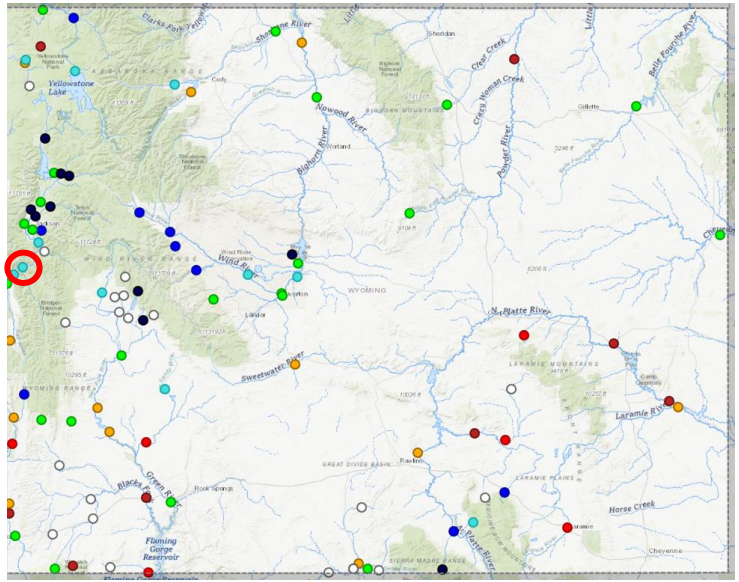


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https://waterdata.usgs.gov/



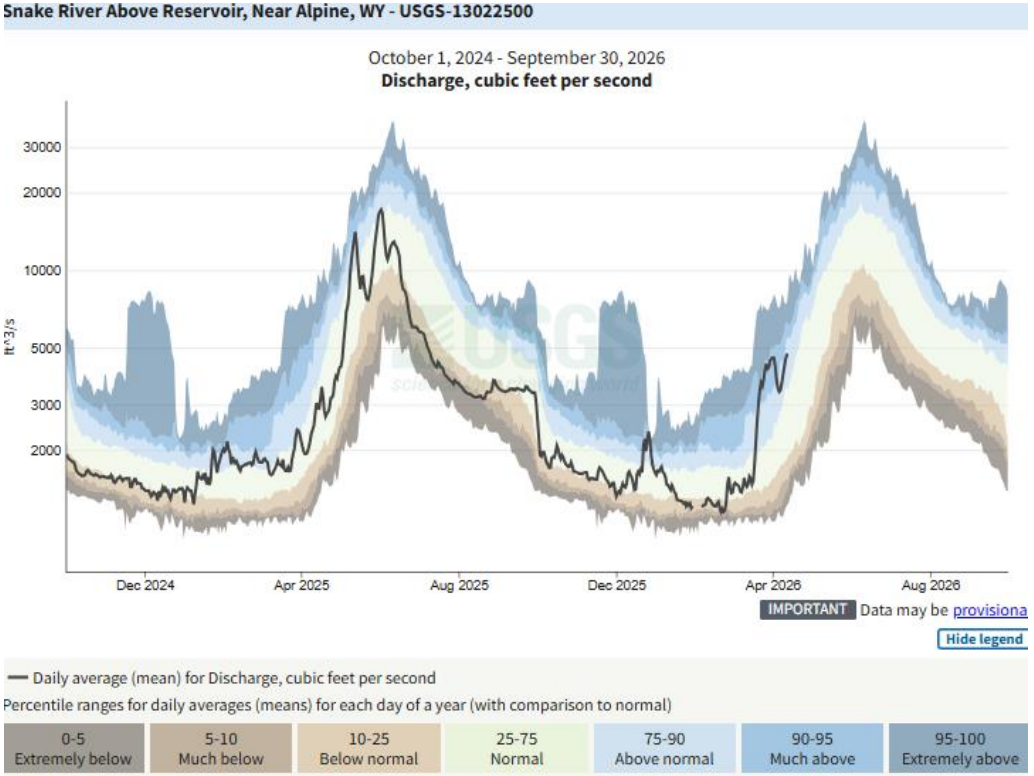
Select WY Streamflows



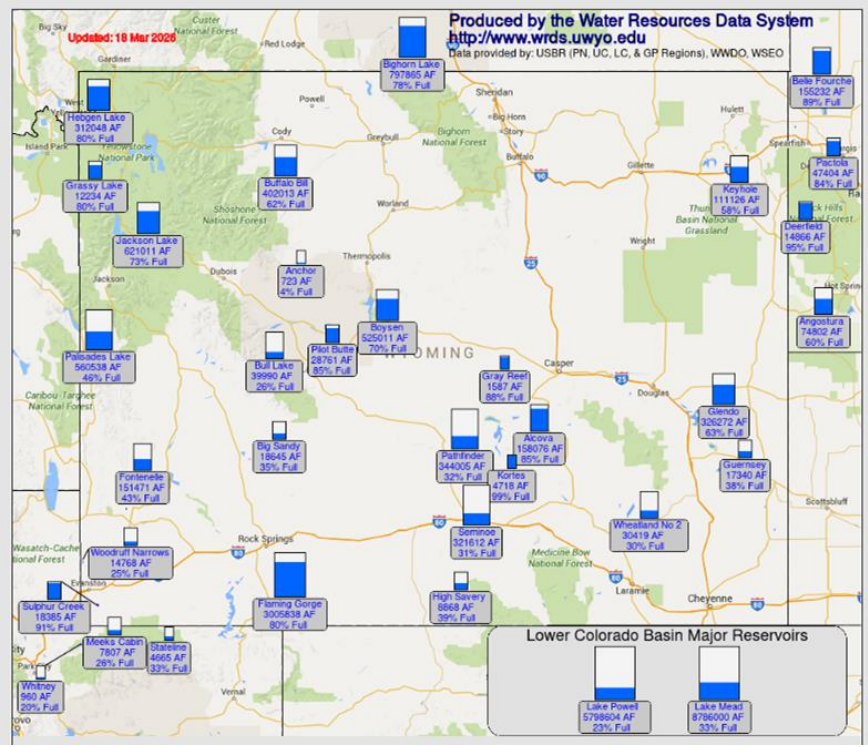
https://dashboard.waterdata.usgs.gov/

https://waterdata.usgs.gov/

Snake River above Reservoir, Near Alpine, WY



Wyoming Reservoirs



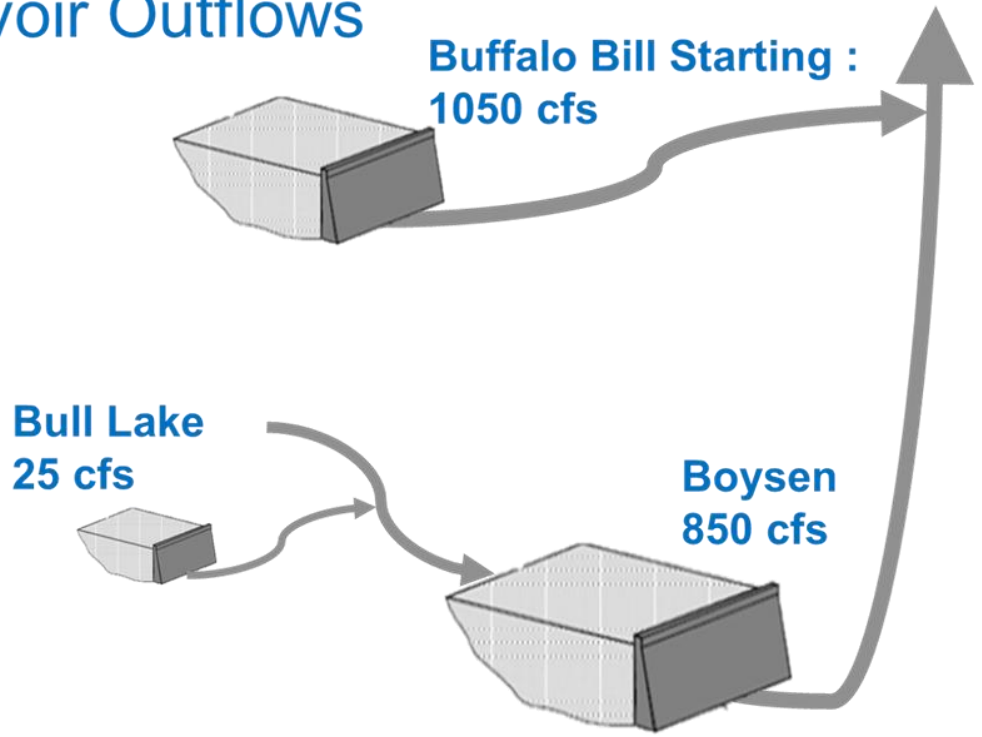
Reservoir Storage

- Increasing storage (Wind/Green/Snake)
- Minor changes in N.Platte

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

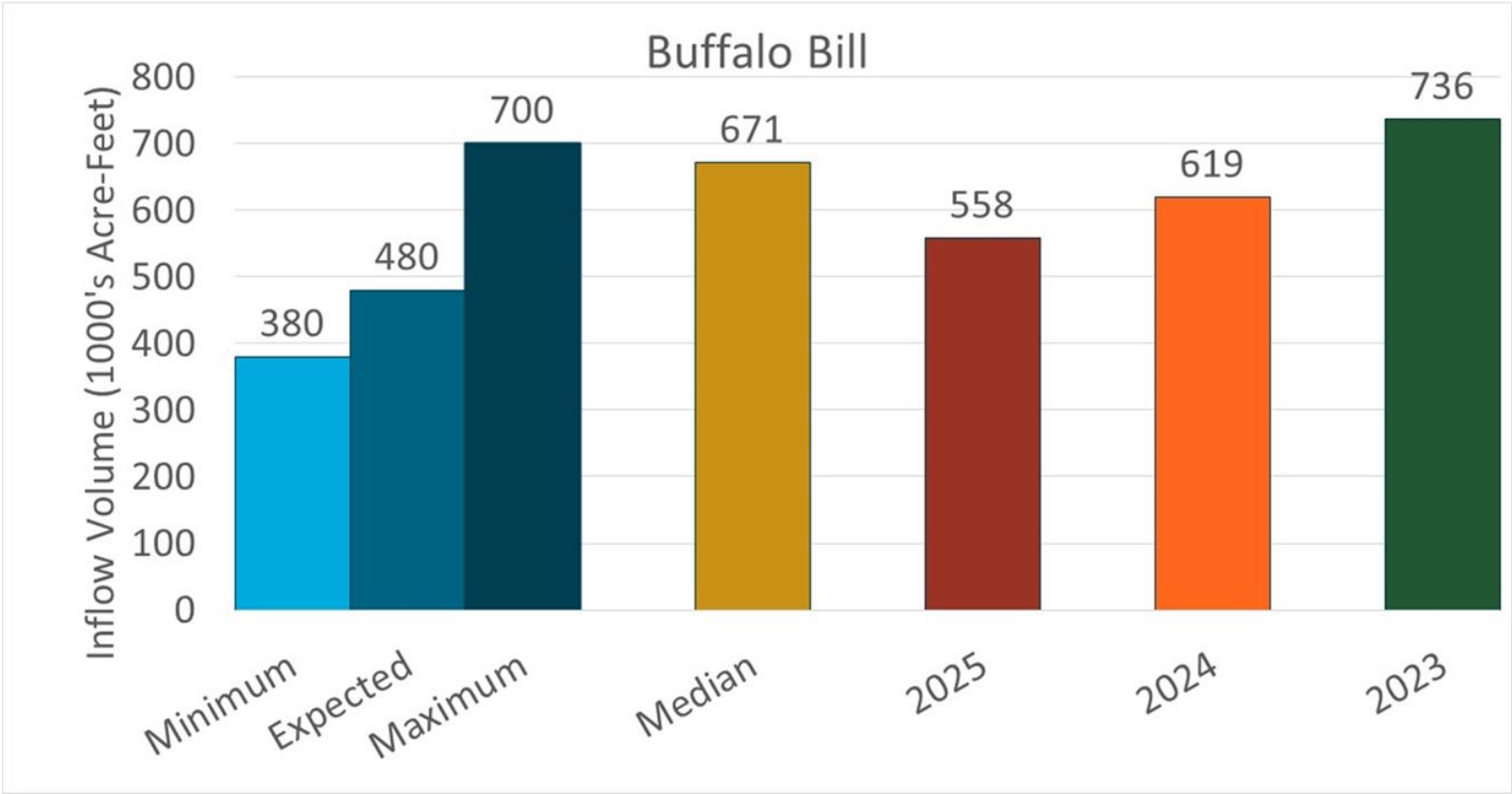
Current Reservoir Outflows

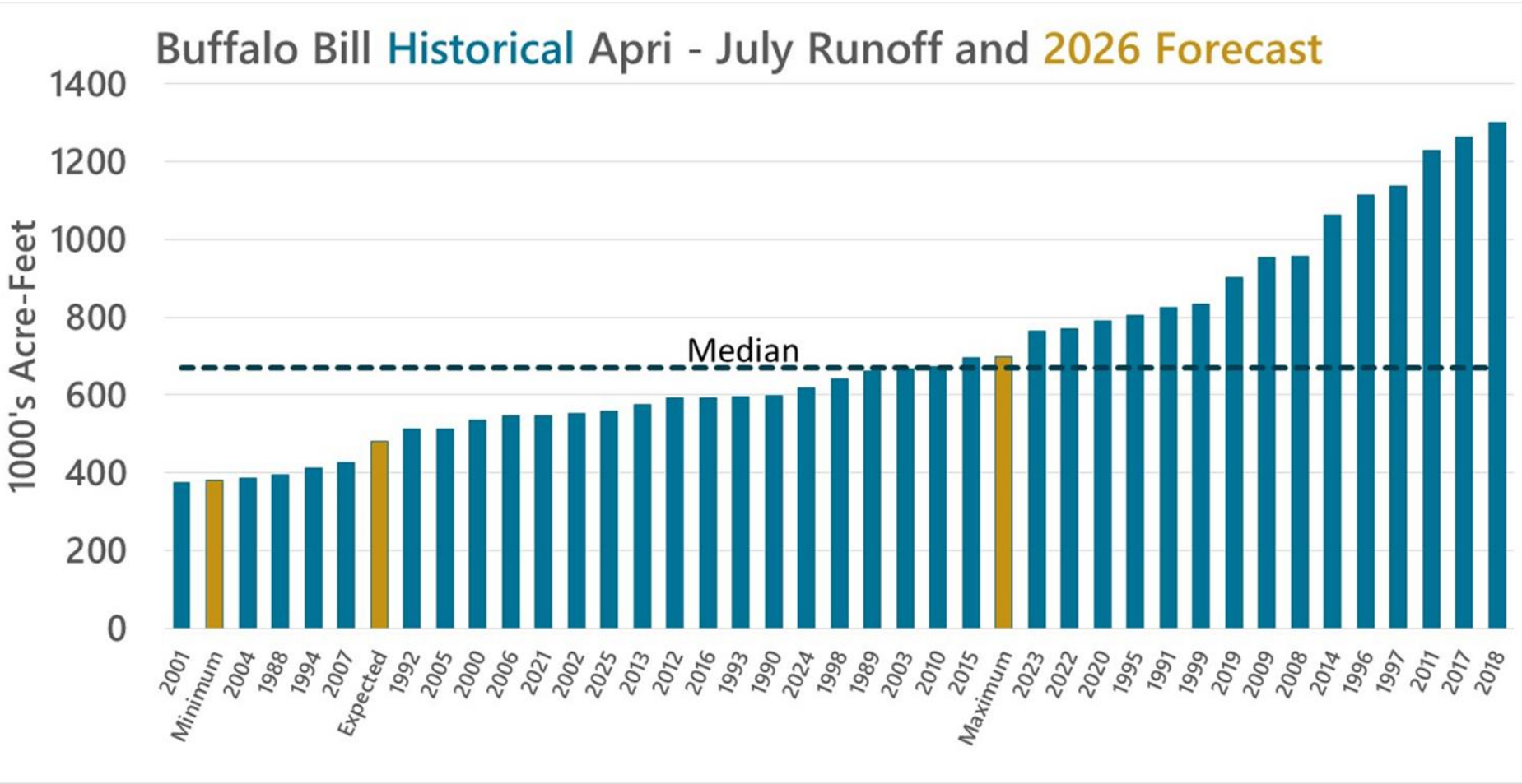


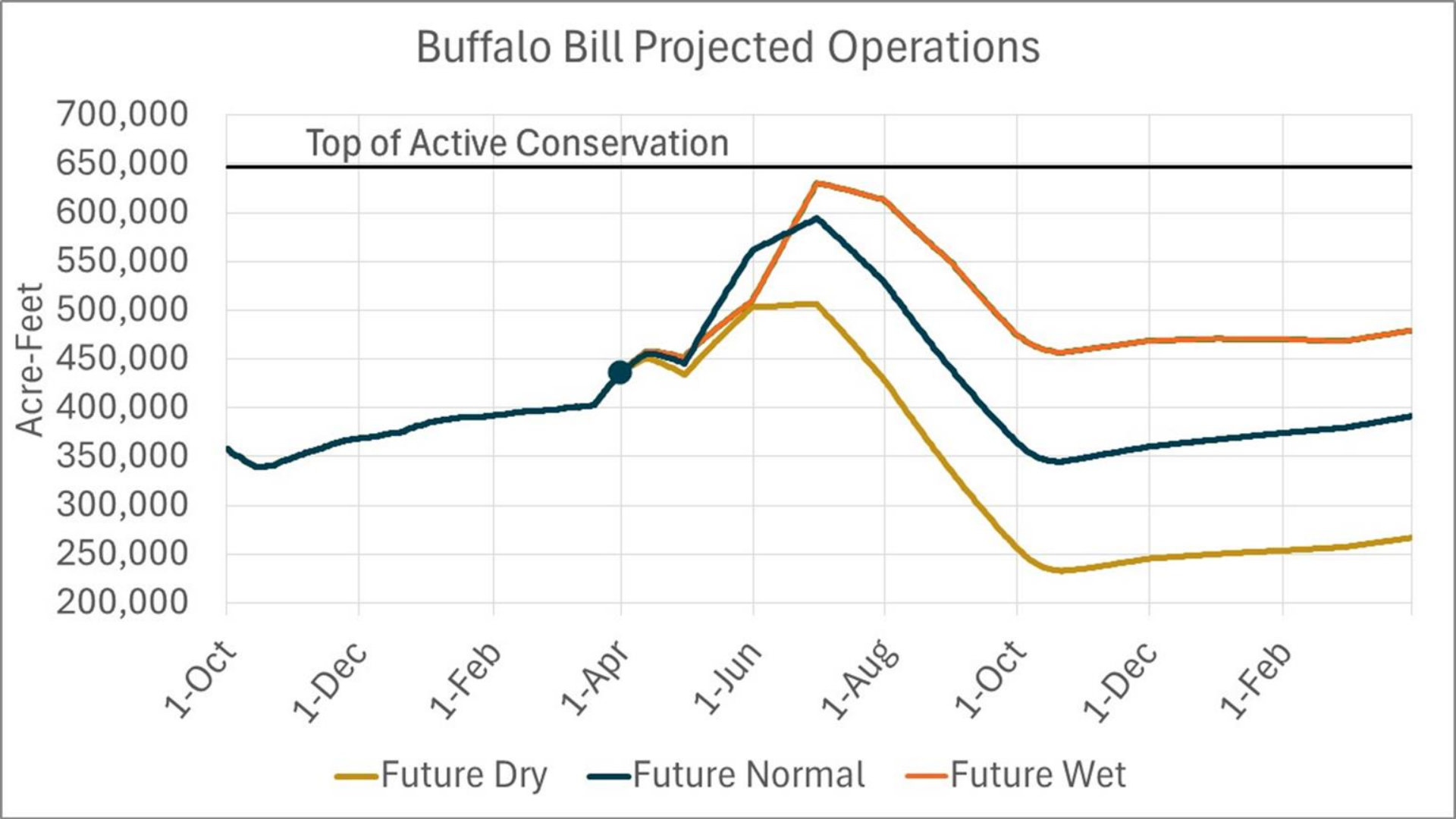


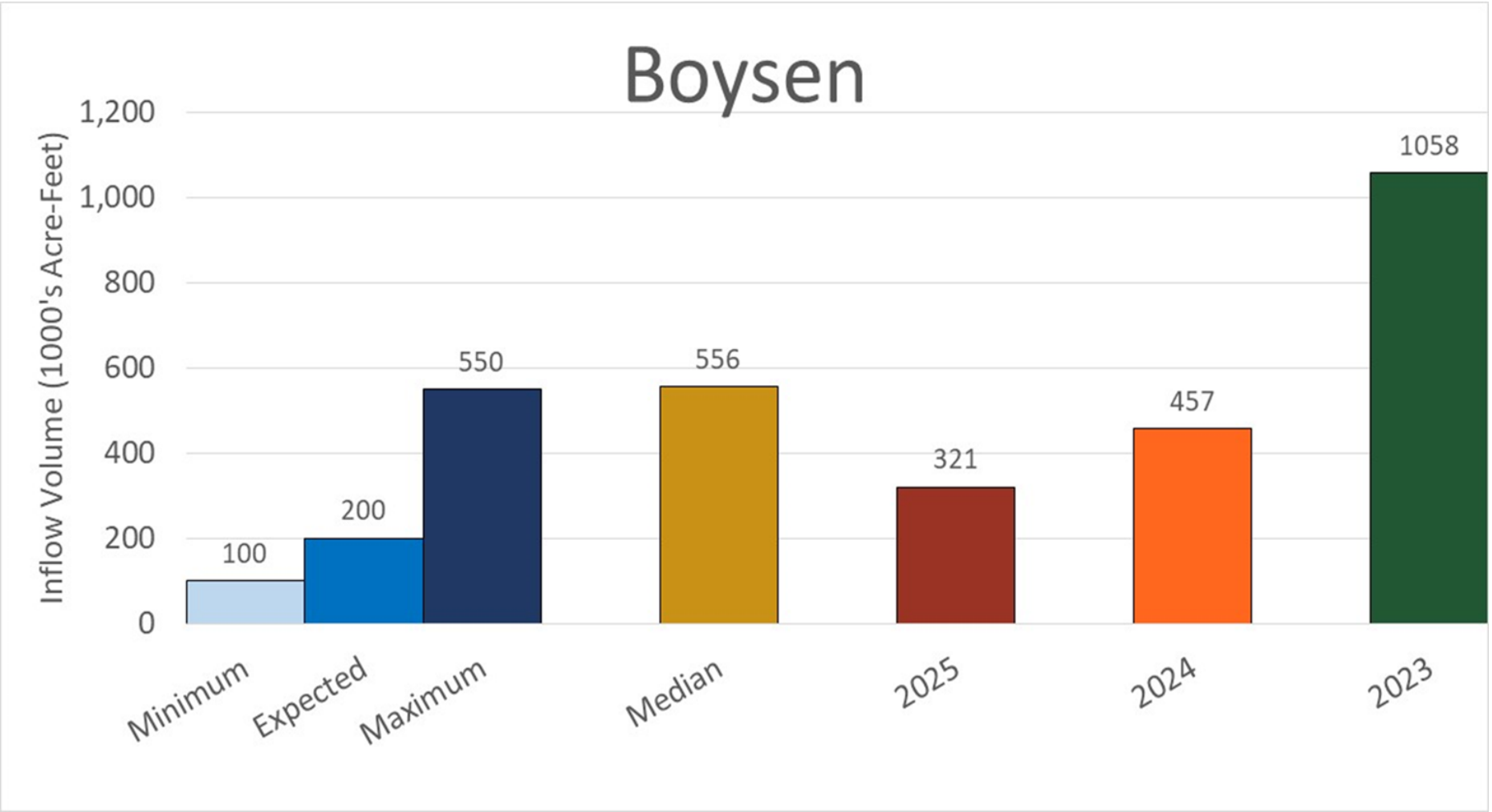
Wyoming Area Office Water Order Changes – https://www.usbr.gov/gp/woc/indexwy.html

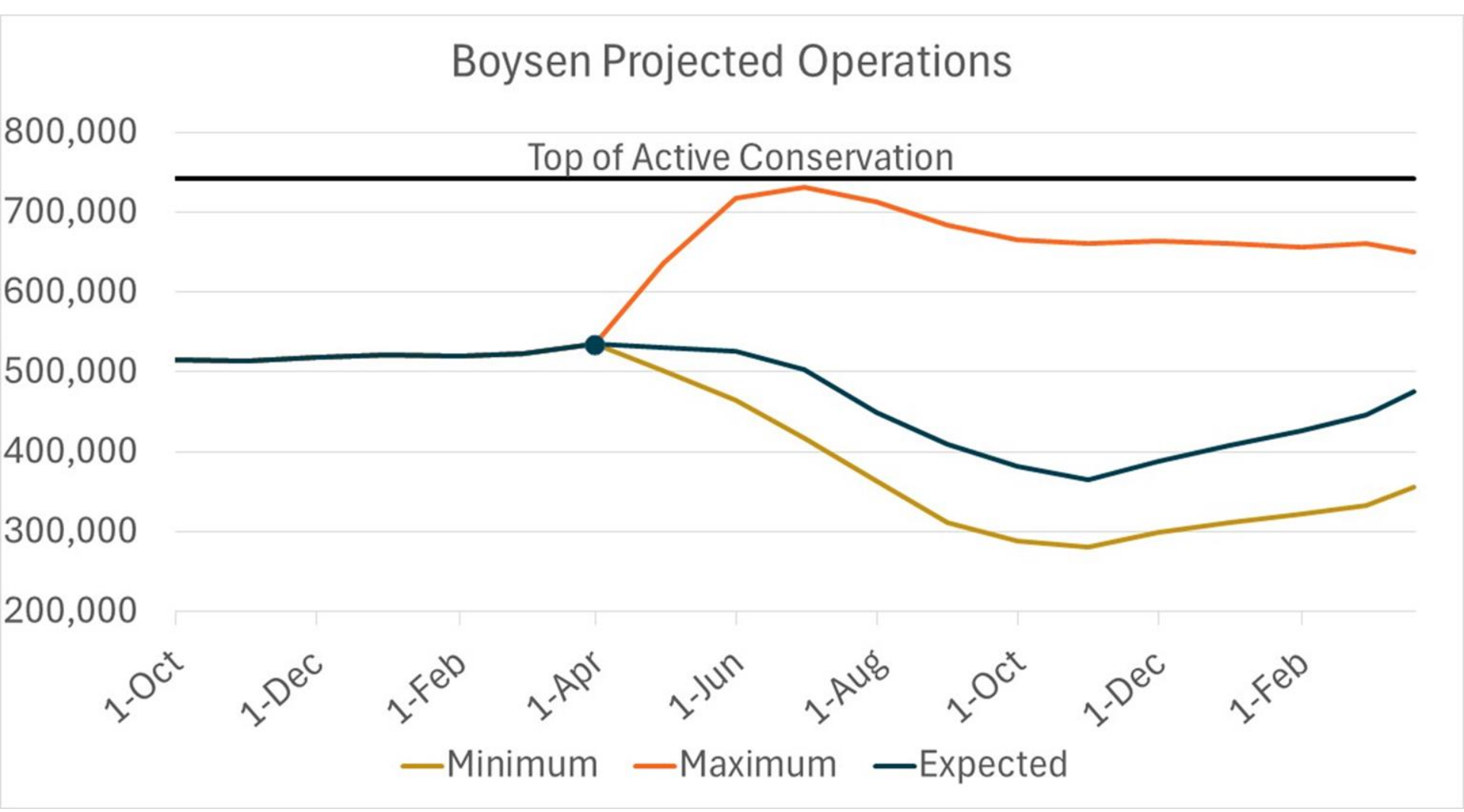
Buffalo Bill Reservoir Forecasted Inflows: April - July

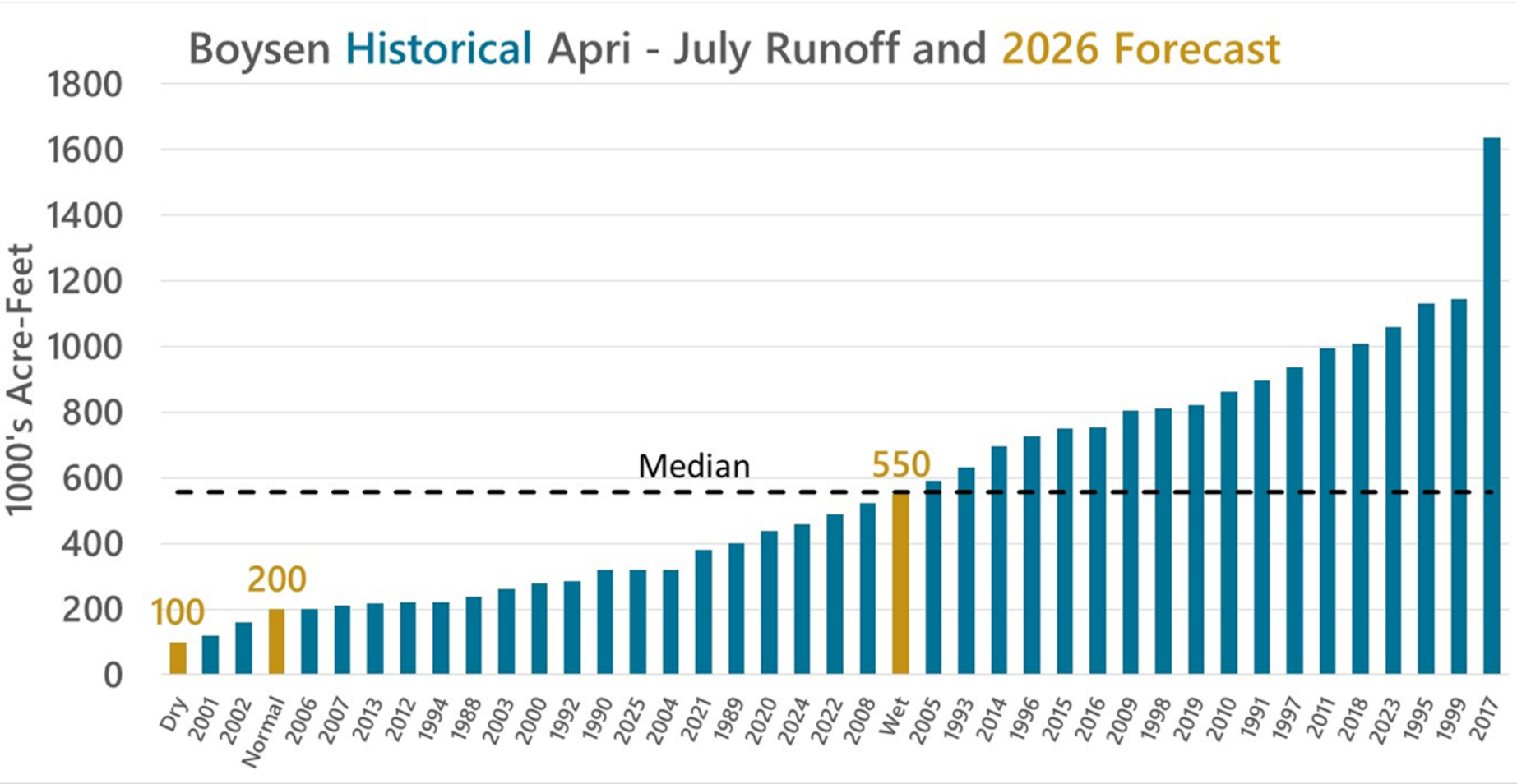



Buffalo Bill Historical Apri - July Runoff and 2026 Forecast
1000's Acre-Feet
1400
1200
1000
800
600
400
200
0
Median
2001 Minimum
2004
1988
1994
2007 Expected
1992
2005
2000
2006
2021
2002
2025
2013
2012
2016
1993
1990
2024
1998
1989
2003
2010
2015 Maximum
2023
2022
2020
1995
1991
1999
2019
2009
2008
2014
1996
1997
2011
2017
2018


Buffalo Bill Projected Operations
Top of Active Conservation
Acre-Feet
700,000
650,000
600,000
550,000
500,000
450,000
400,000
350,000
300,000
250,000
200,000
1-Oct
1-Dec
1-Feb
1-Apr
1-Jun
1-Aug
1-Oct
1-Dec
1-Feb
Future Dry
Future Normal
Future Wet

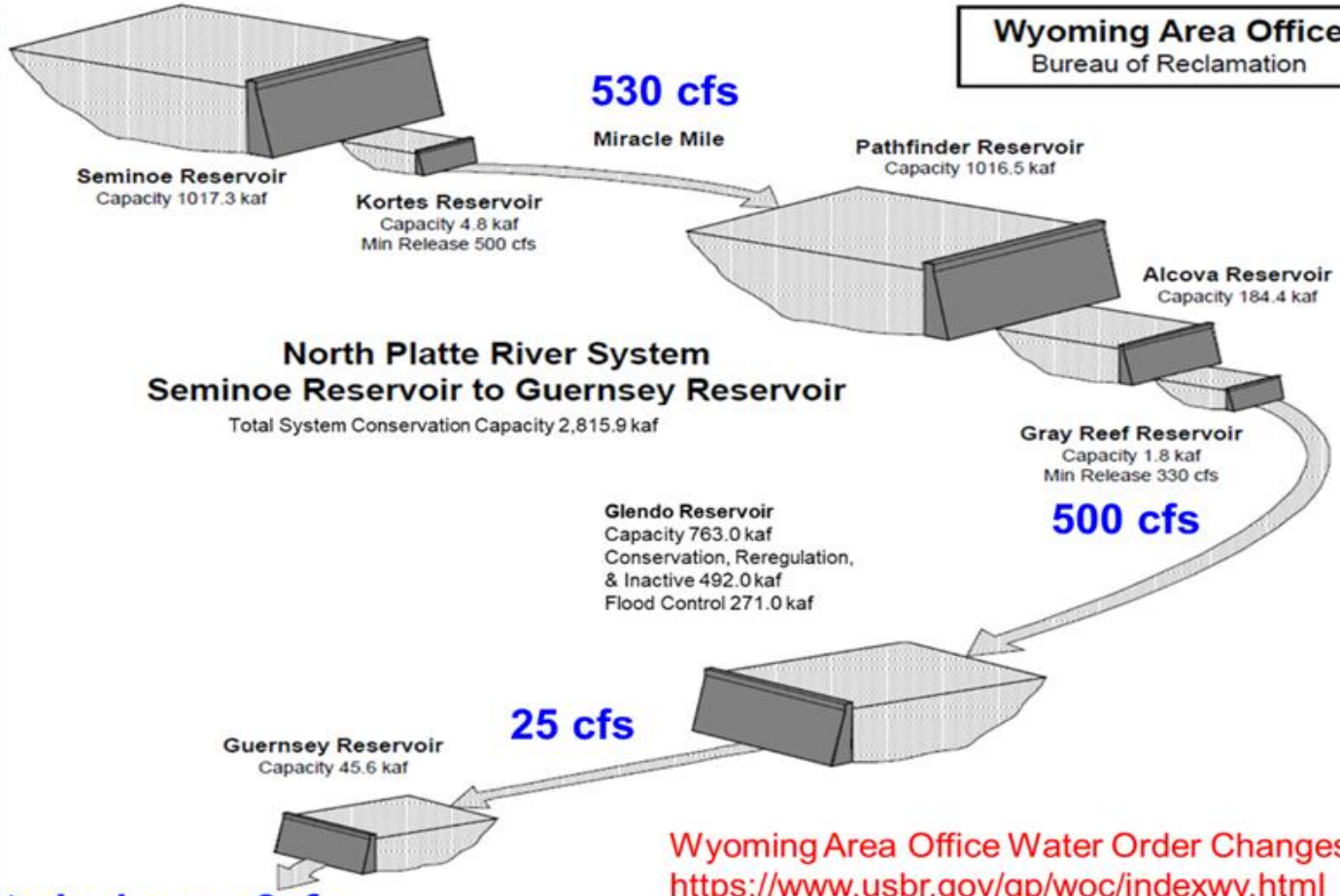

Boysen
Inflow Volume (1000's Acre-Feet)
1,200
1,000
800
600
400
200
0
100
200
550
556
321
457
1058
Minimum
Expected
Maximum
Median
2025
2024
2023


Boysen Projected Operations
800,000
700,000
600,000
500,000
400,000
300,000
200,000
Top of Active Conservation
1-Oct
1-Dec
1-Feb
1-Apr
1-Jun
1-Aug
1-Oct
1-Dec
1-Feb
Minimum
Maximum
Expected


Boysen Historical Apri - July Runoff and 2026 Forecast
1000's Acre-Feet
1800
1600
1400
1200
1000
800
600
400
200
0
Median
550
200
100
Dry
2001
2002
Normal
2006
2007
2013
2012
1994
1988
2003
2000
1992
1990
2025
2004
2021
1989
2020
2024
2022
2008
Wet
2005
1993
2014
1996
2015
2016
2009
1998
2019
2010
1991
1997
2011
2018
2023
1995
1999
2017

— BUREAU OF —
RECLAMATION

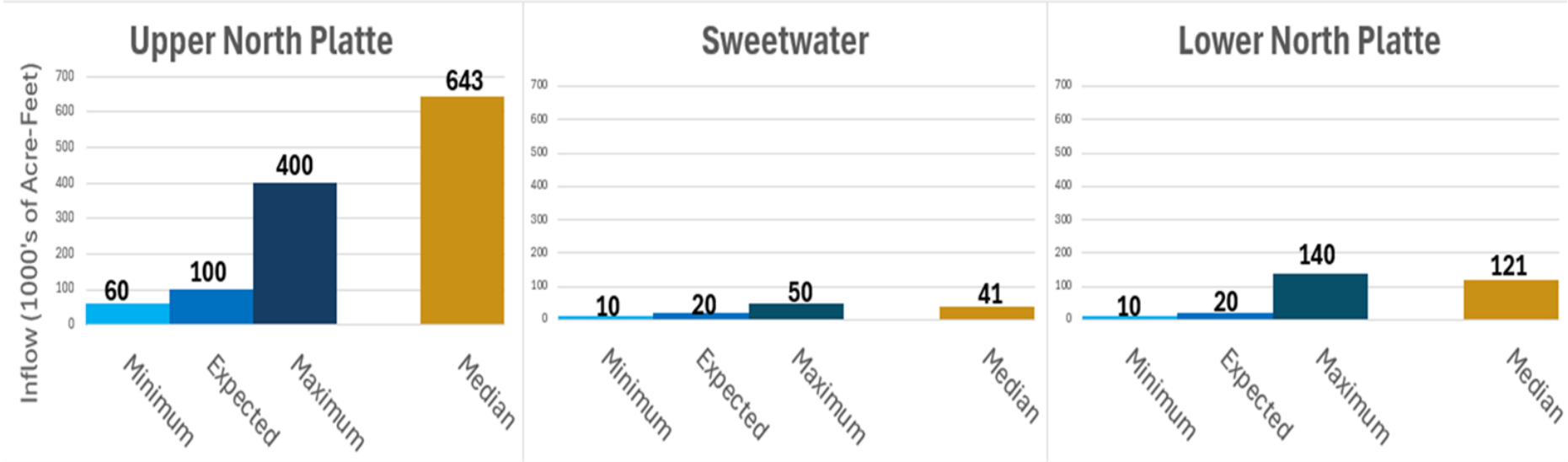
Wyoming Area Office
Bureau of Reclamation



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

Gate leakage ~3cfs

North Platte April 1 Forecast (April – July)



WY SEO Divisions and Superintendents

Contact information for calls and administration

Division 3

Joshua Fredrickson, 856-0747

Division 2

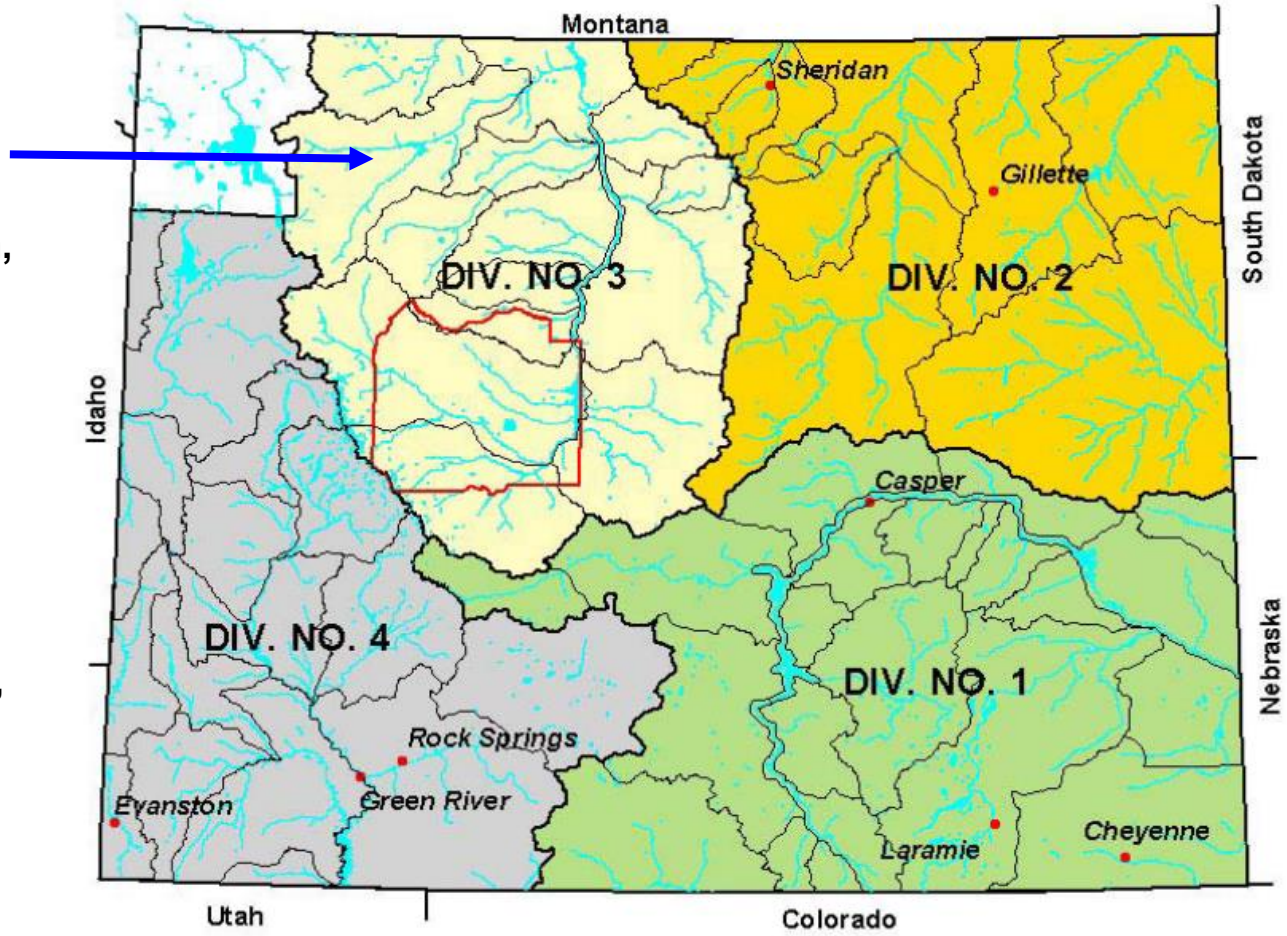
David Schroeder, 674-7012

Division 4

Kevin Payne, 279-3441

Division 1

Josh DeBerard, 532-1272



WY SEO Divisions and Superintendents



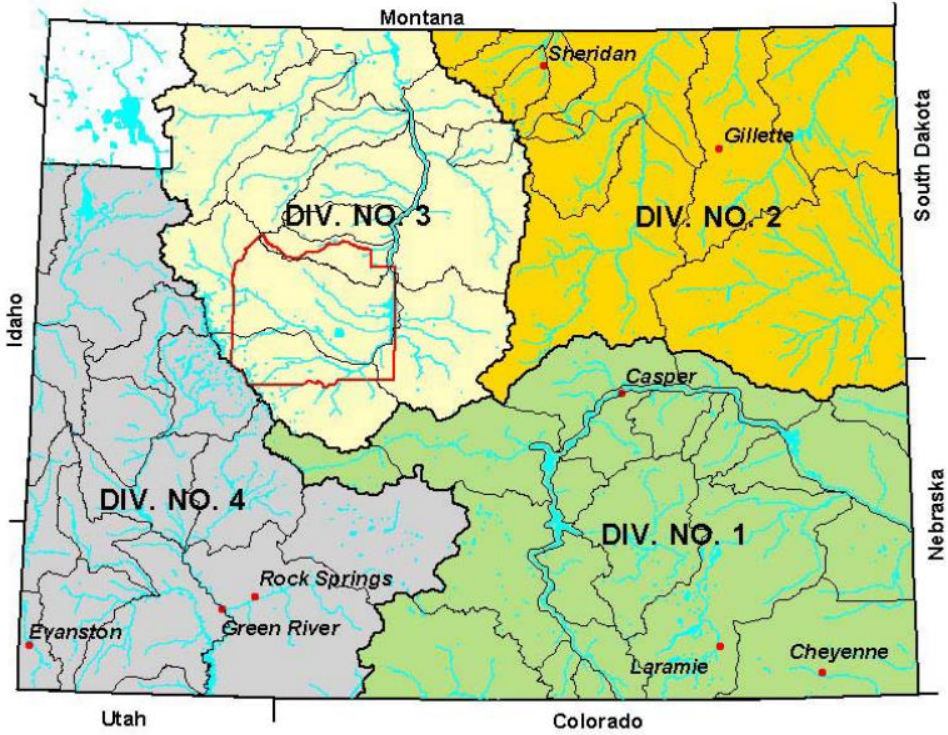
<u>Division 1:</u>
Priority Administration on the North Platte River and tributaries

Above Pathfinder Sub Basin:
December 6, 1904
Between Pathfinder to Guernsey Reservoirs:
December 6, 1904

This Priority Administration will end on May 1, 2026

For questions contact:
Michelle Hubbard, 777-7641
Josh DeBerard, 532-1272

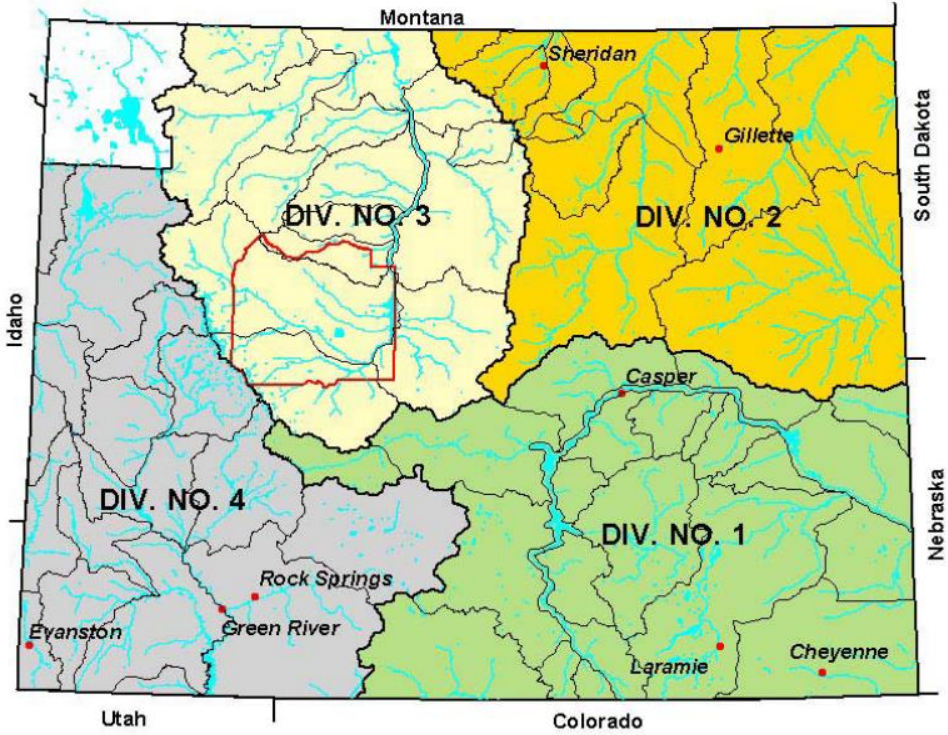
WY SEO Divisions and Superintendents



<u>Division 1:</u>

Laramie River: District 4C and 4A, June 1879, July 1879, December 1875 and 1881, 1868

WY SEO Divisions and Superintendents

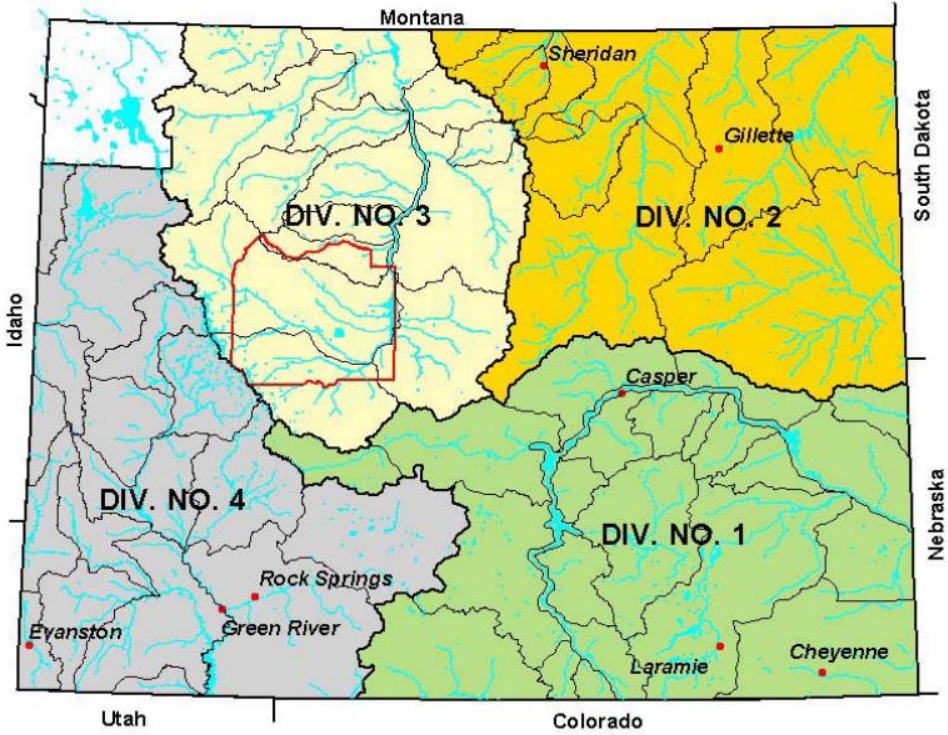


Division 3:

Gooseberry Creek: District 13, 1907, **March 1907 and December 1901**

Owl Creek: District 5, Oct. 1, 1888

WY SEO Divisions and Superintendents

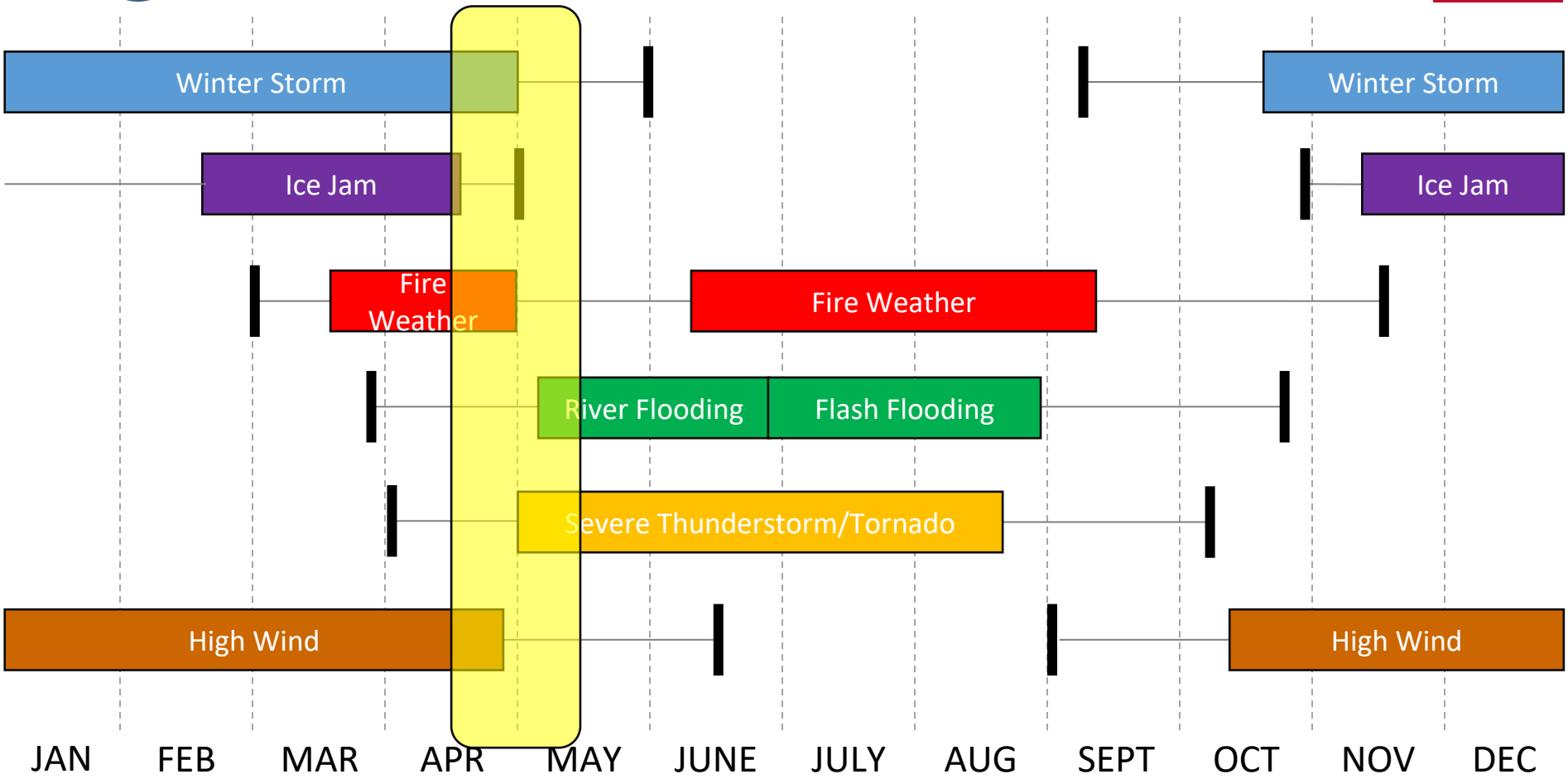


Division 4:

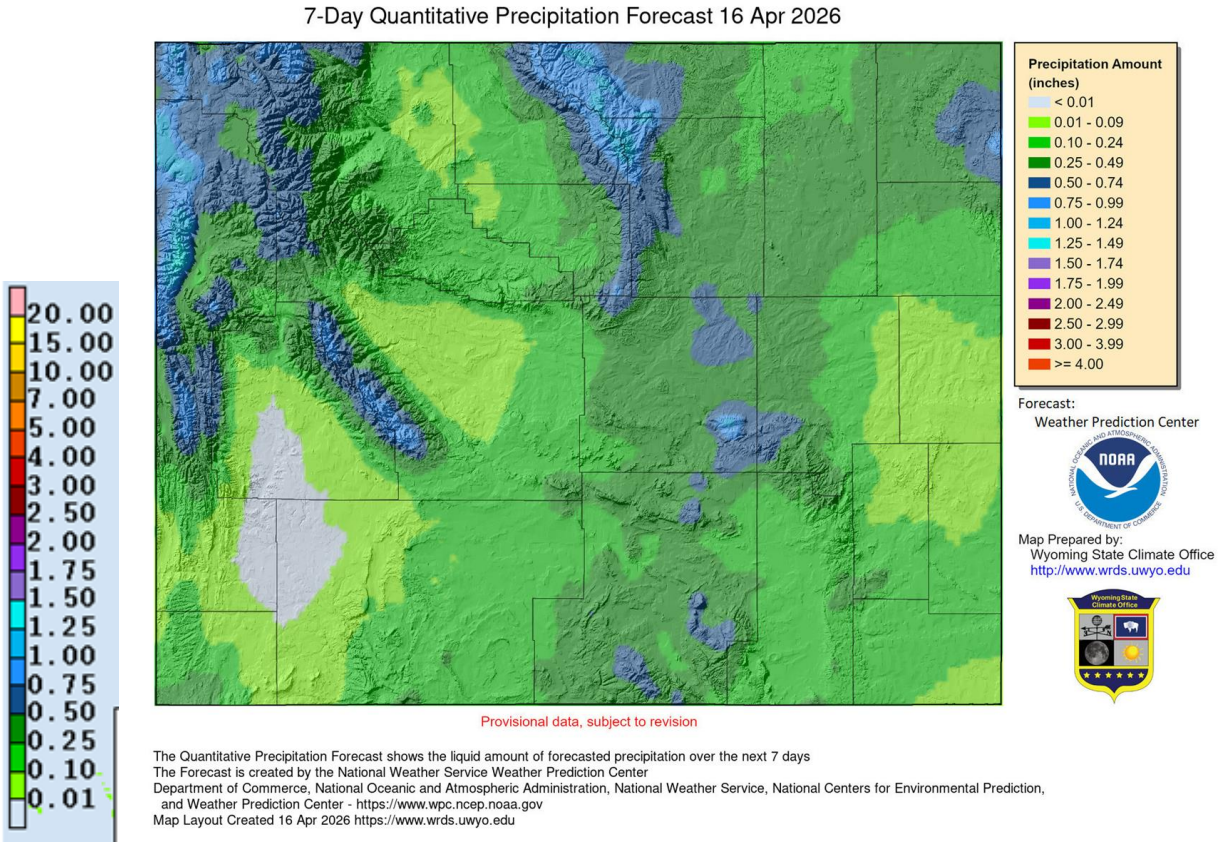
Pine Grove Canal: District 15, March 1897

Weather Info & Forecasts

NWS Wyoming - Typical Hazard Calendar



7-Day Total Precipitation Forecast
(beginning March 19)

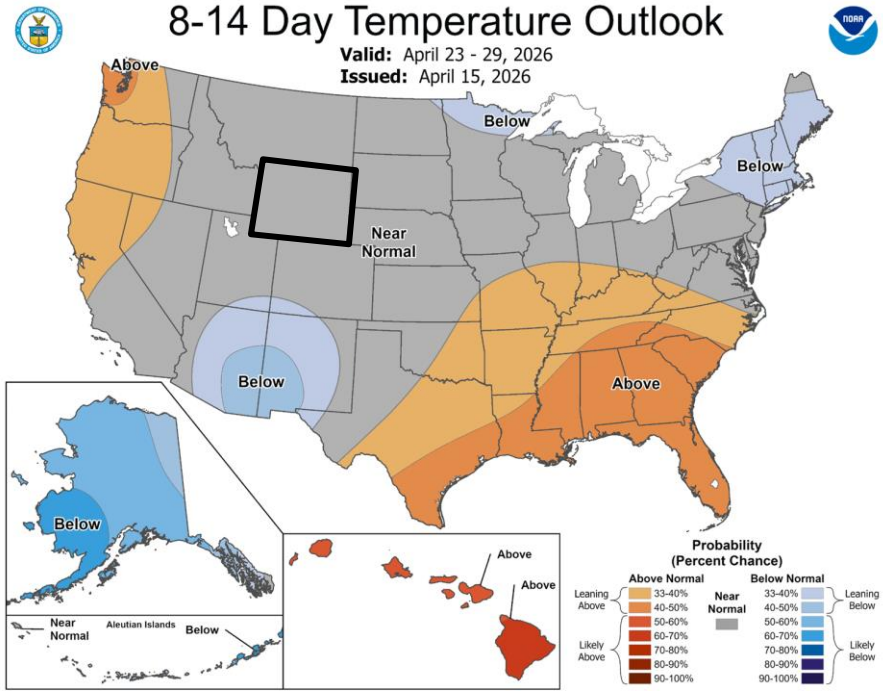


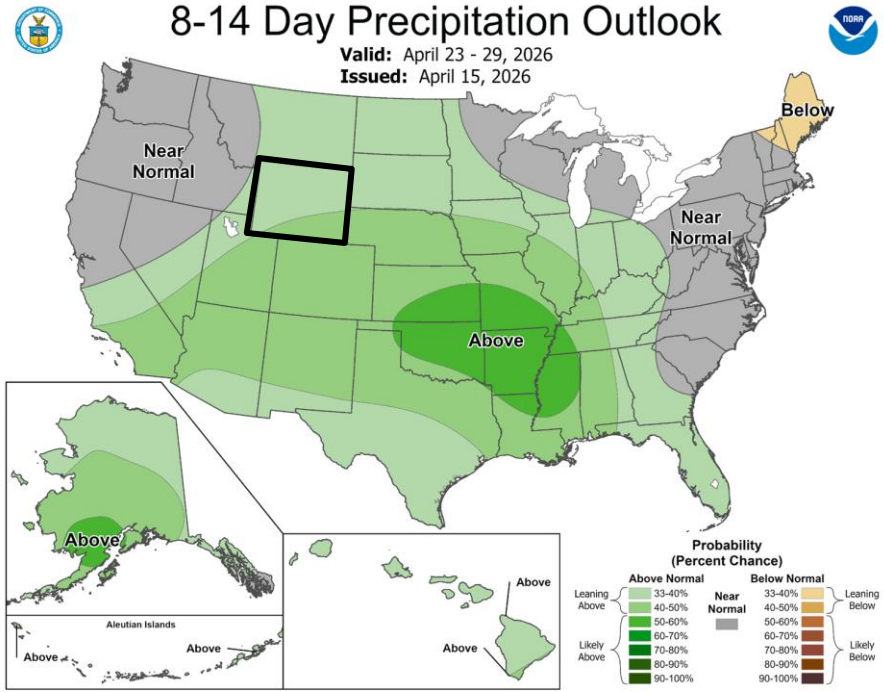
- Widespread wetting precip over the next week??!!
  - Much of it may come as snow, especially in the ranges
- May still remain fairly dry in the Green River Basin & part of eastern plains

https://bit.ly/7_dayQPForecast

8-14 Day Outlook
(April 23-29)

https://bit.ly/CPC8_14Day





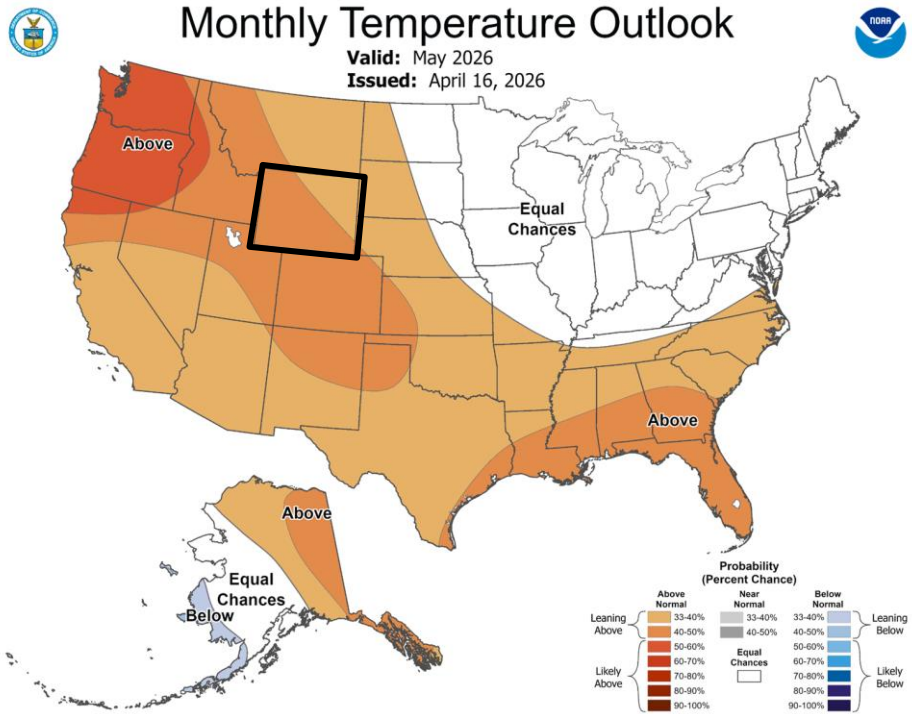
- Near normal temps likely to round out April
- Interactive Version: cpc.ncep.noaa.gov/products/predictions/814day/interactive/index.php

- Leaning toward wetter than normal statewide, greater chance in the southeast

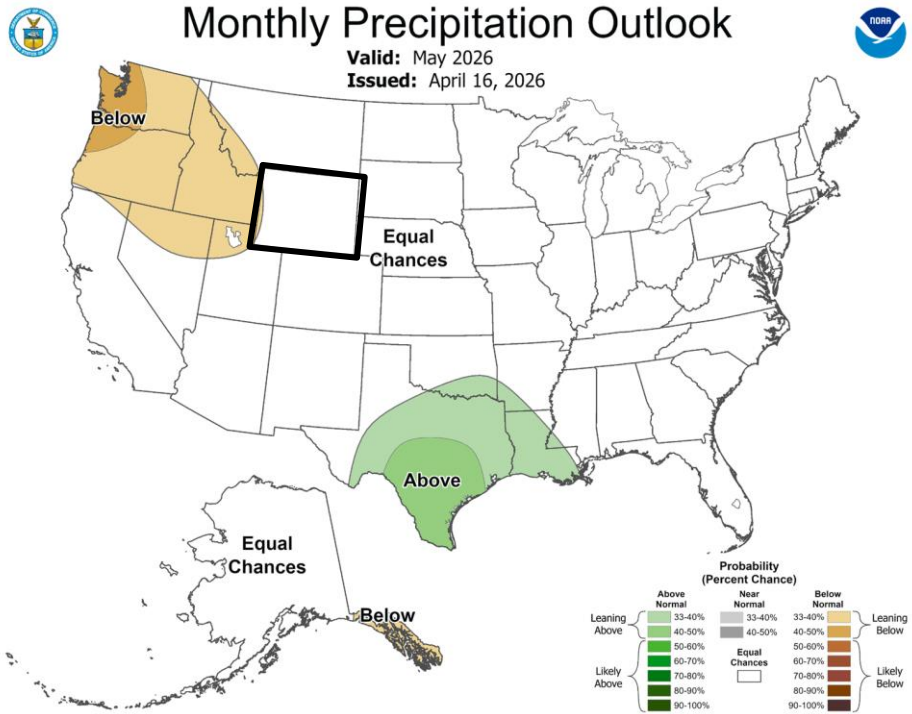
1 Month Outlook

(May)

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



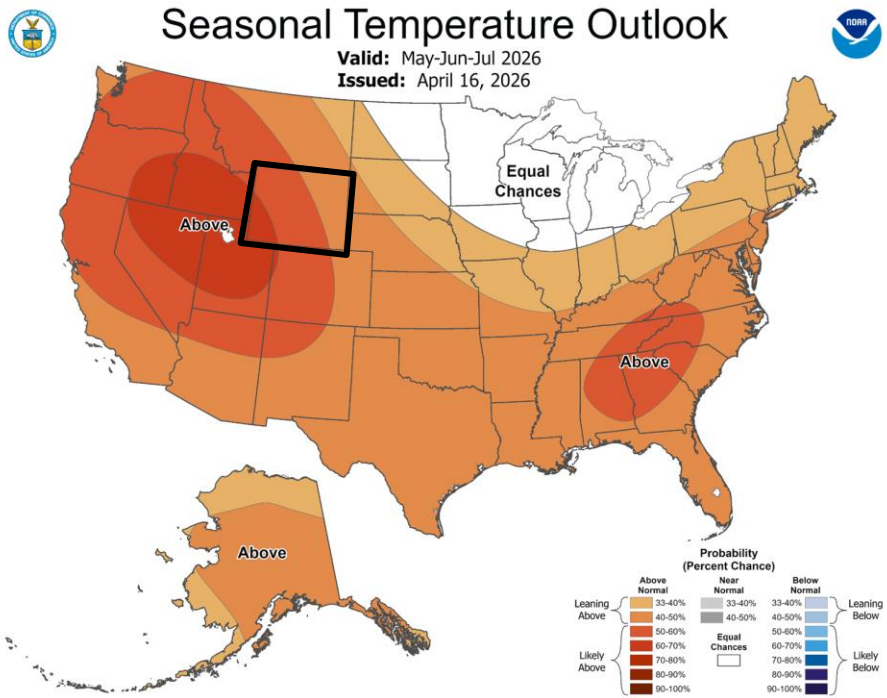
- Leaning toward warmer than normal, greater chances west and south

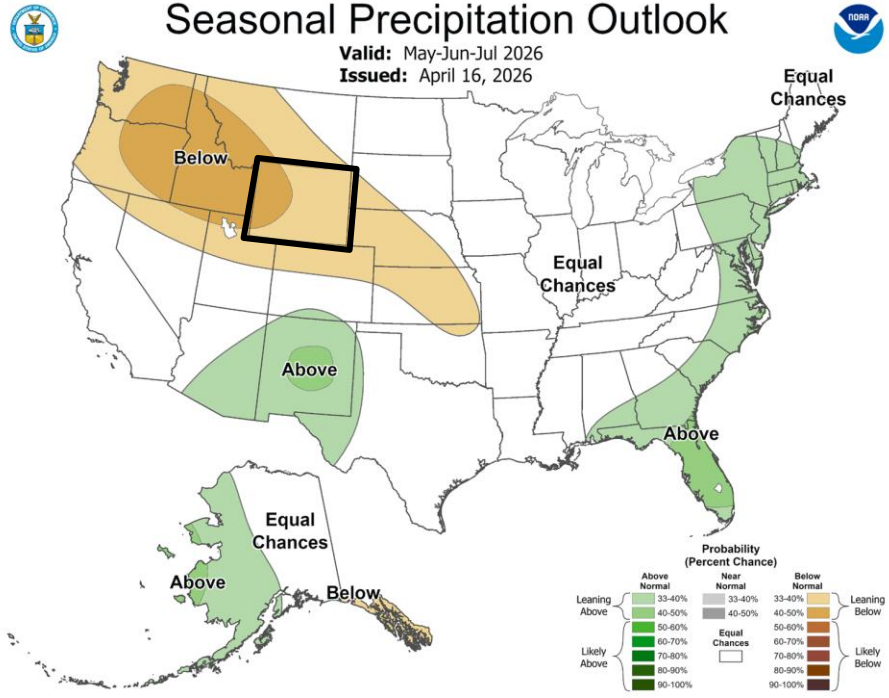


- No clear signal precip-wise (equal chances of below, near, above normal)

3 Month Outlook
(May-June-July)

https://bit.ly/CPC_Seasonal





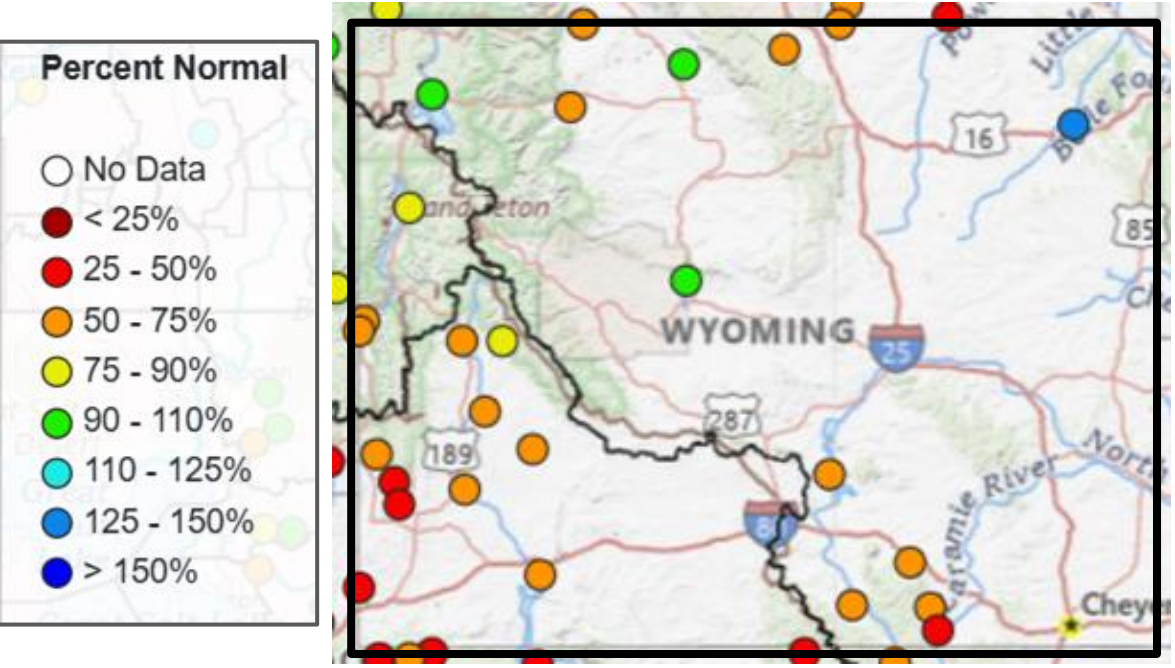
- Warmer than normal temps likely, especially western WY

- Leaning drier than normal, with greater chance in the west

River Flooding & Water Supply Outlook

Wyoming Water Supply Outlook

Valid April-September



https://www.cbrfc.noaa.gov/wsup/graph/west/map/esp_map.html

April thru September runoff volumes below normal, to near normal.

This graphic depicts the NWS water supply outlook locations, colored by the percent of April-thru-September volumetric normal. Many Wyoming stations are projected to see lower-than-normal volumes (yellows, oranges, reds), with some stations primarily in the Bighorn and Yellowstone Basin forecasting near normal (greens).

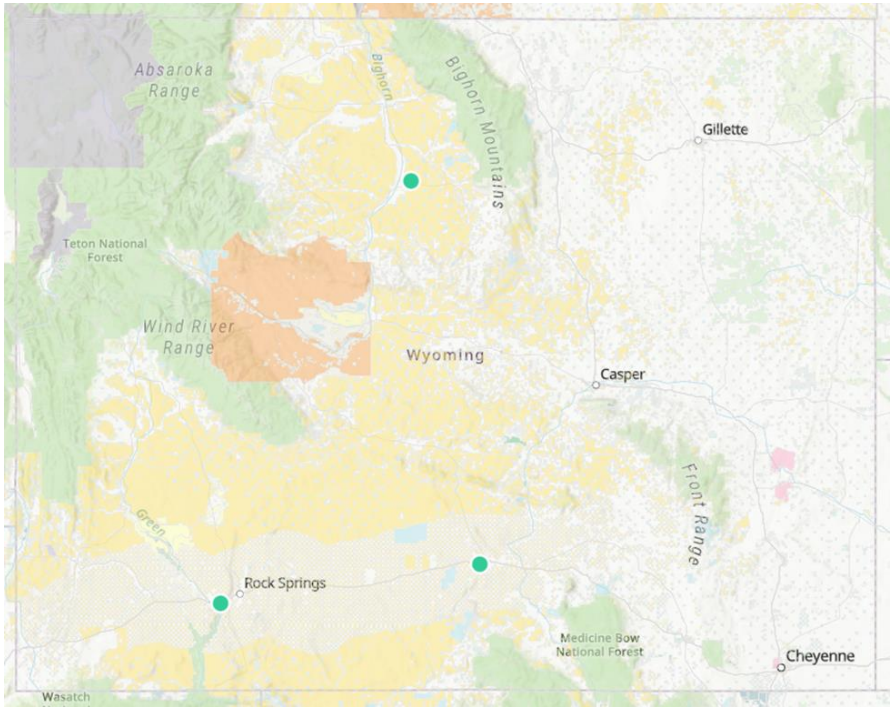
Official forecast valid April 2026.

**Please note that the Colorado River basin colors reflect April-thru-July percent-of-normals.*

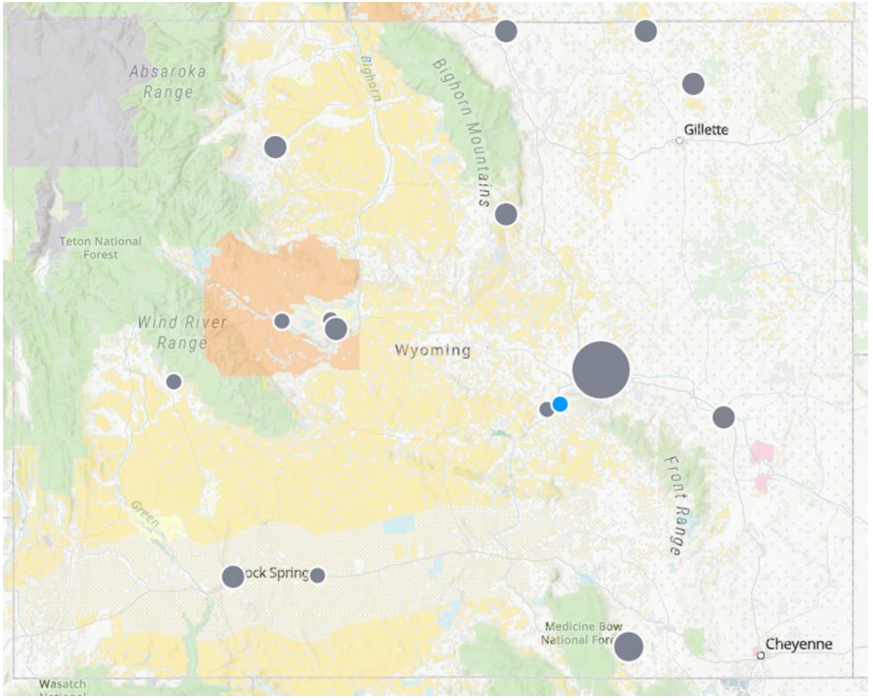
Wildfire Activity & Outlooks

Wildfire Activity

Wildfire activity 2025 vs 2026 to Jan 1-April 15



2025



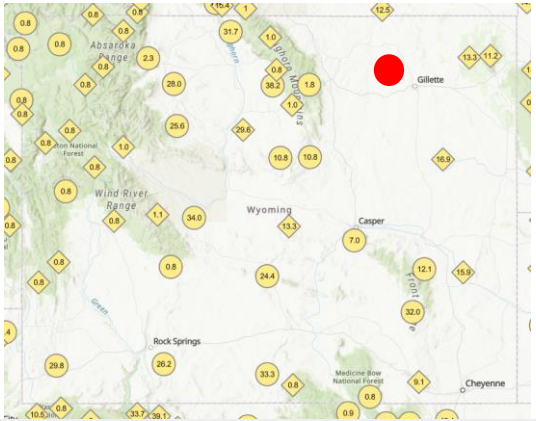
2026

https://inform.firenet.gov/inspector/incidents

Wildland Fire Potential and Outlook

- **Fuel Moisture Content**
  - A key contributor to fire behavior along with weather and topography. Measures the amount of water in a fuel, expressed in a percentage of the dry weight.
- **Fuel loading**
  - Amount of fuel available to burn
  - Live and dead fuels
- **Energy Release Component - ERC**
  - Index that measures heat per unit (in BTUs per square foot). ERC's increase with drier fuel conditions and reflect both the energy available from both live and dead fuels, serving as an indicator of potential fire danger and intensity.

Wildland Fire Potential and Outlook



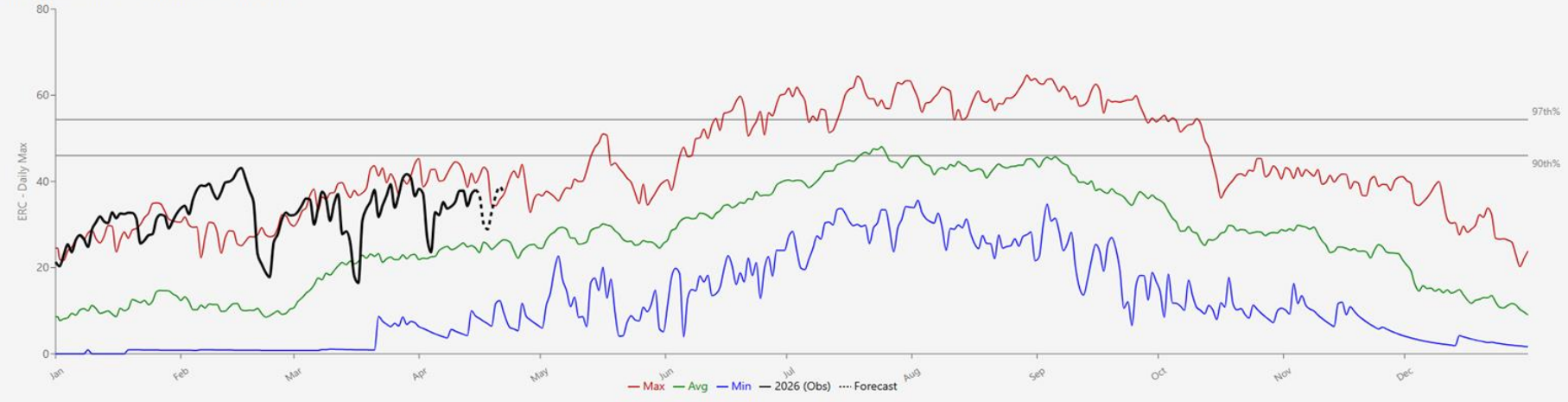
Energy Release Component (ERC)

Year: 2026 | Fuel Model: Y | Add/Remove Chart

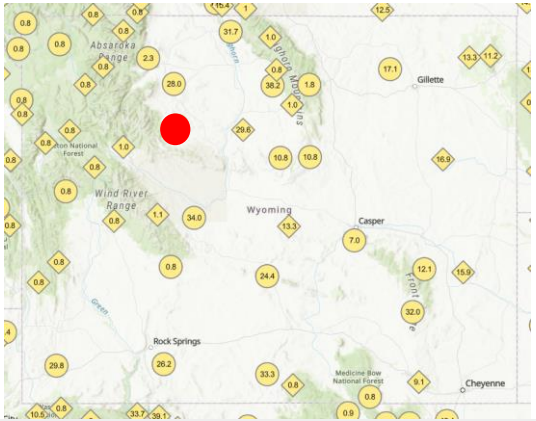
NFDRS Period of Record
01-01-2005 - 12-31-2024

ECHETA - NFDRS Fuel Model Y (POR: 01-01-2005 - 12-31-2024)

Energy Release Component - Daily Max



Wildland Fire Potential and Outlook



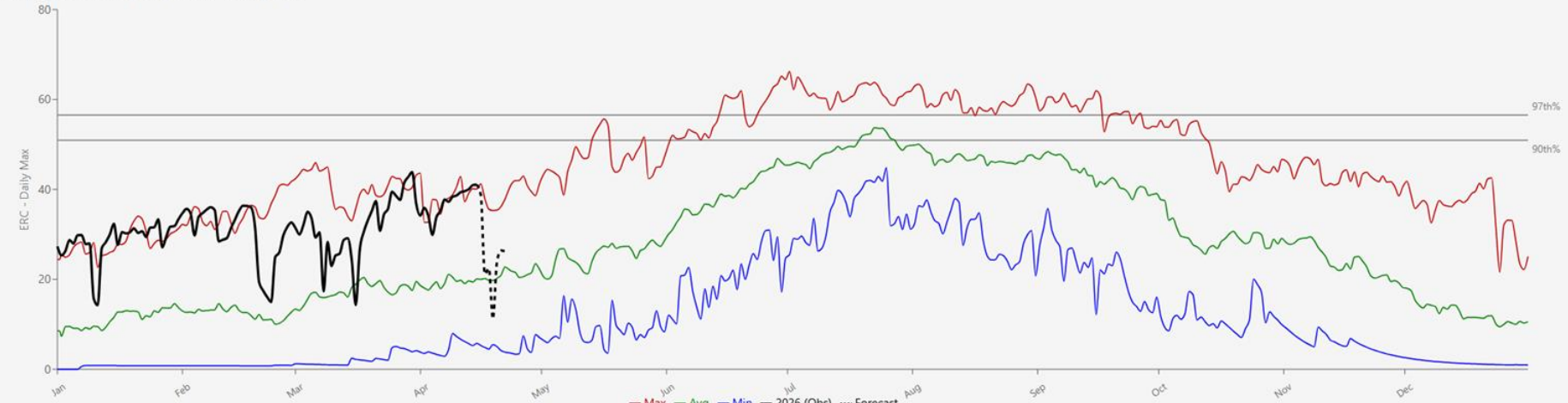
Energy Release Component (ERC)

Year: 2026 | Fuel Model: Y | Add/Remove Chart

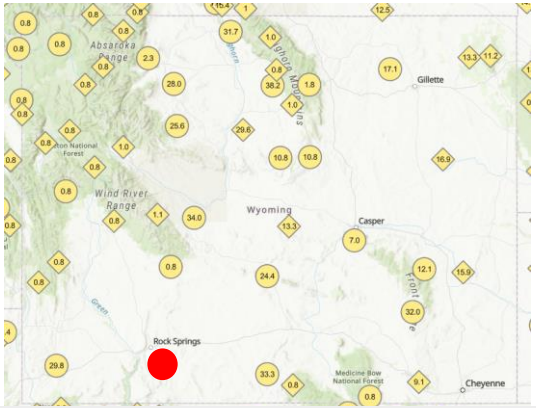
NFDRS Period of Record
01-01-2005 - 12-31-2024

GRASS CREEK DIVIDE - NFDRS Fuel Model Y (POR: 01-01-2005 - 12-31-2024)

Energy Release Component - Daily Max



Wildland Fire Potential and Outlook



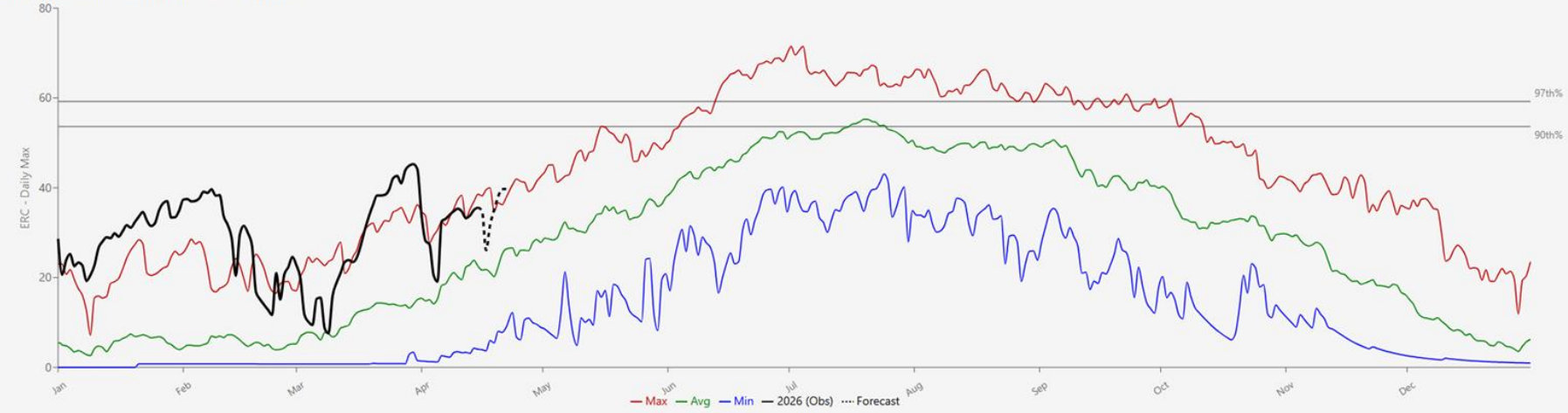
Energy Release Component (ERC)

Year: 2026 | Fuel Model: Y | Add/Remove Chart

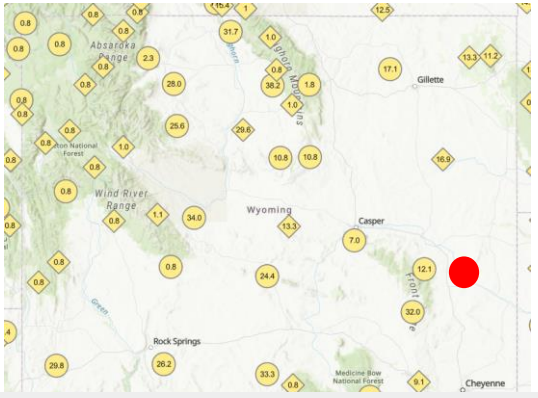
NFDRS Period of Record
01-01-2005 - 12-31-2024

SNOW SPRINGS CREEK - NFDRS Fuel Model Y (POR: 01-01-2005 - 12-31-2024)

Energy Release Component - Daily Max



Wildland Fire Potential and Outlook



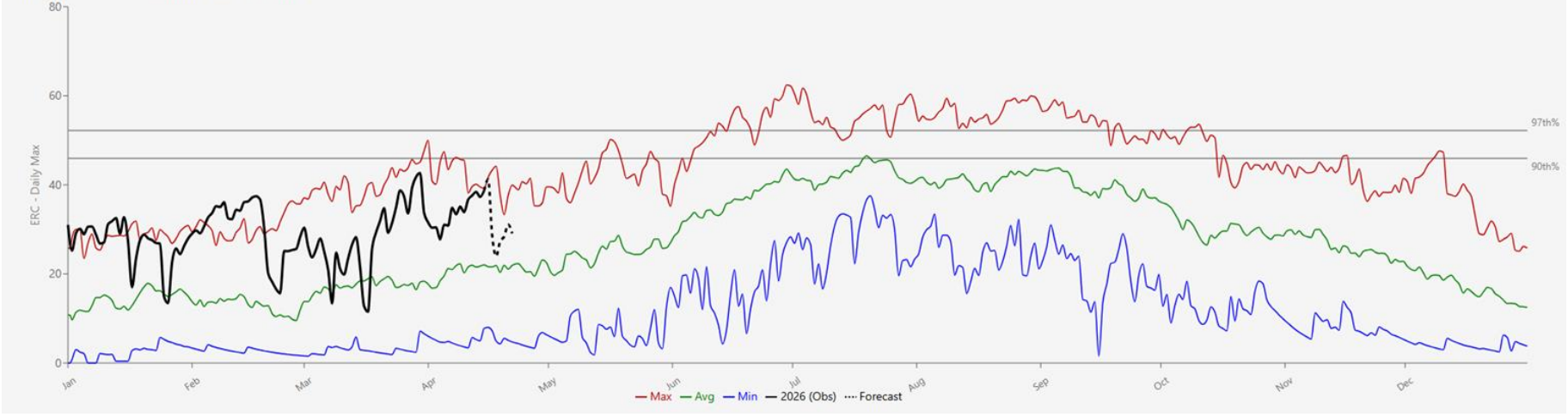
Energy Release Component (ERC)

Year: 2026 | Fuel Model: Y | Add/Remove Chart

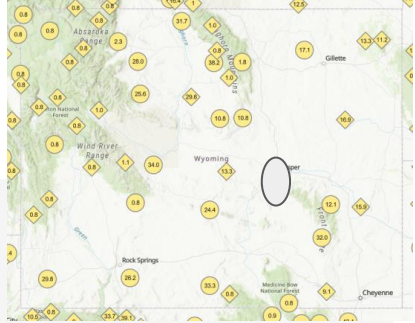
NFDRS Period of Record
01-01-2005 - 12-31-2024

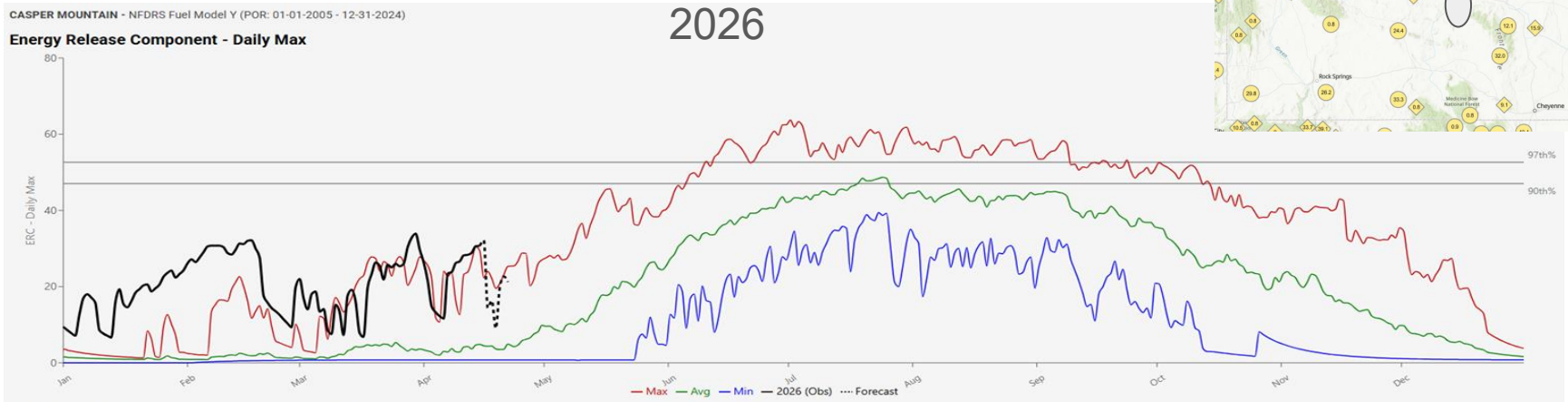
ESTERBROOK - NFDRS Fuel Model Y (POR: 01-01-2005 - 12-31-2024)

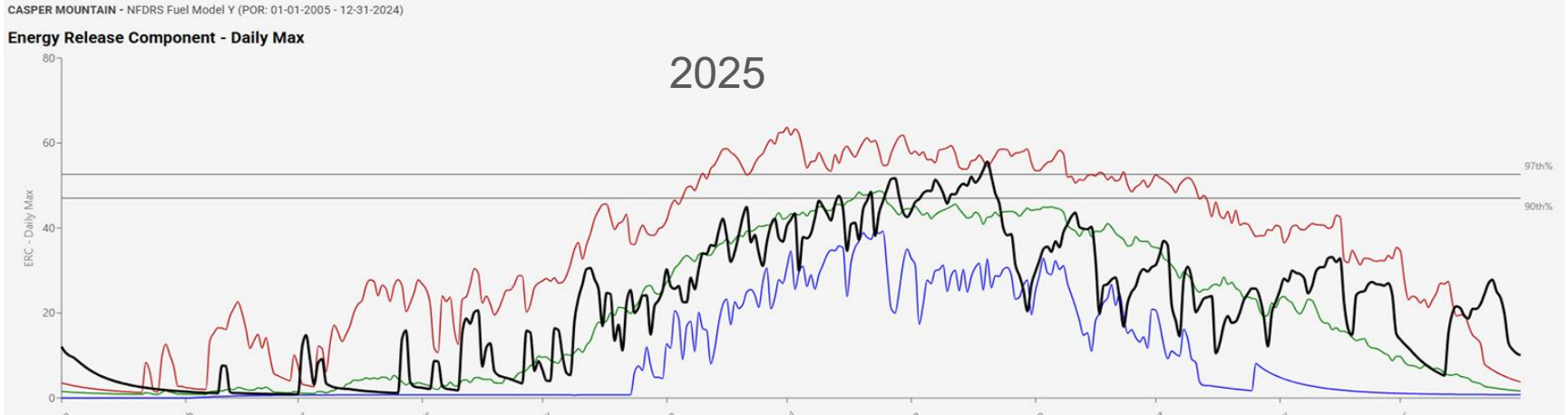
Energy Release Component - Daily Max



Wildland Fire Potential and Outlook

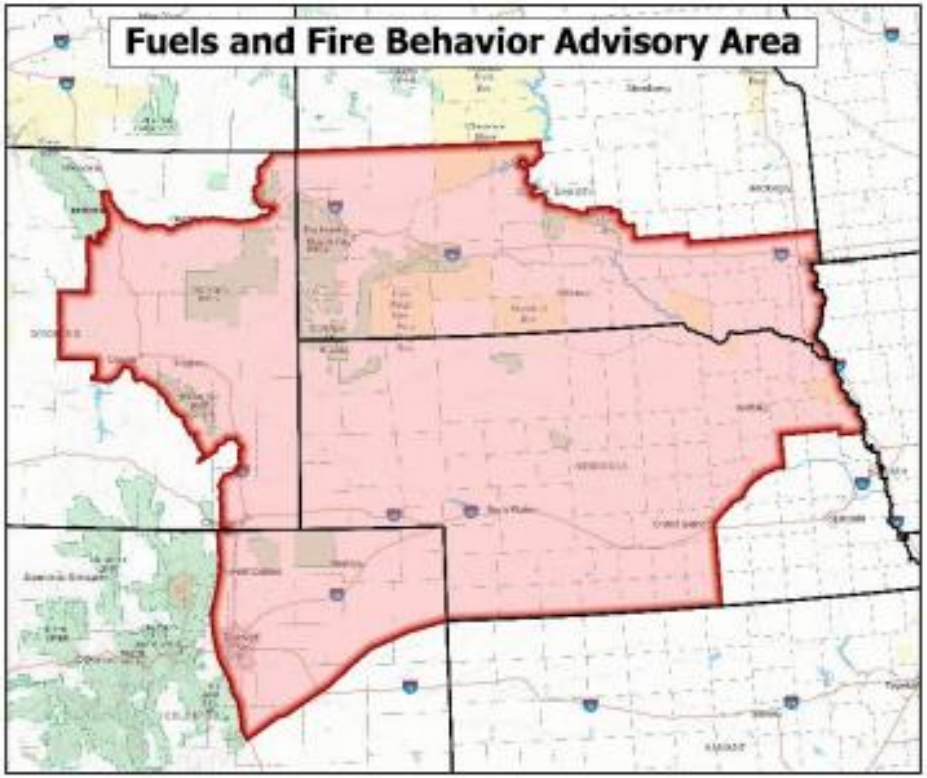






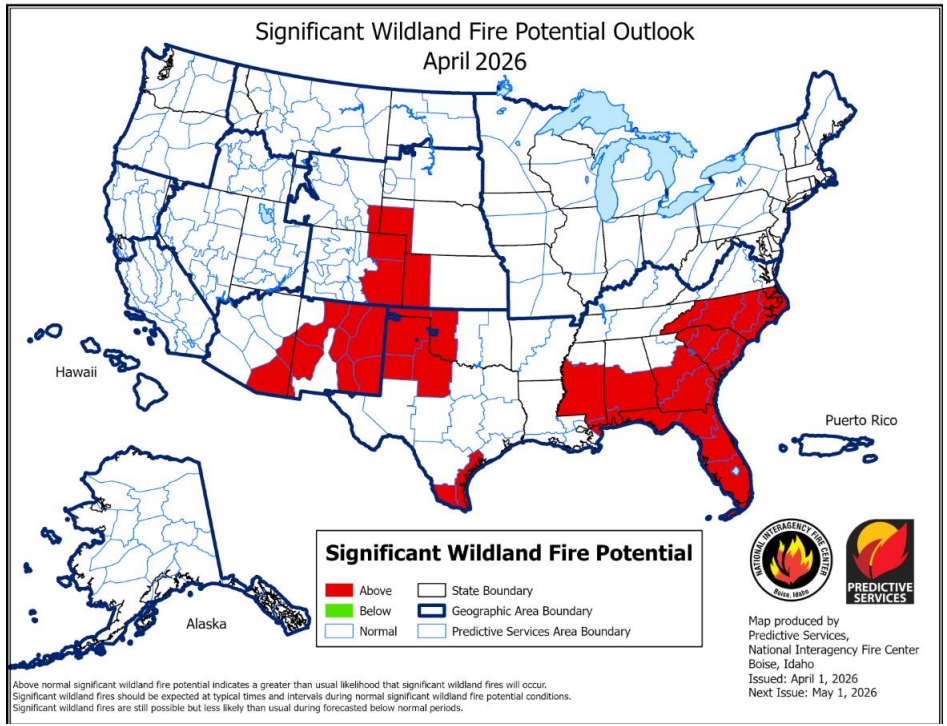
Wildland Fire Potential and Outlook

Current Fuels and Fire Behavior Advisory



https://www.nifc.gov/sites/default/files/NICC/2-Predictive%20Services/Fuels-Fire%20Danger/Fuels-Fire-Behavior-Advisory_Northern-and-Central-Great-Plains_20260410.pdf

Wildland Fire Potential and Outlook



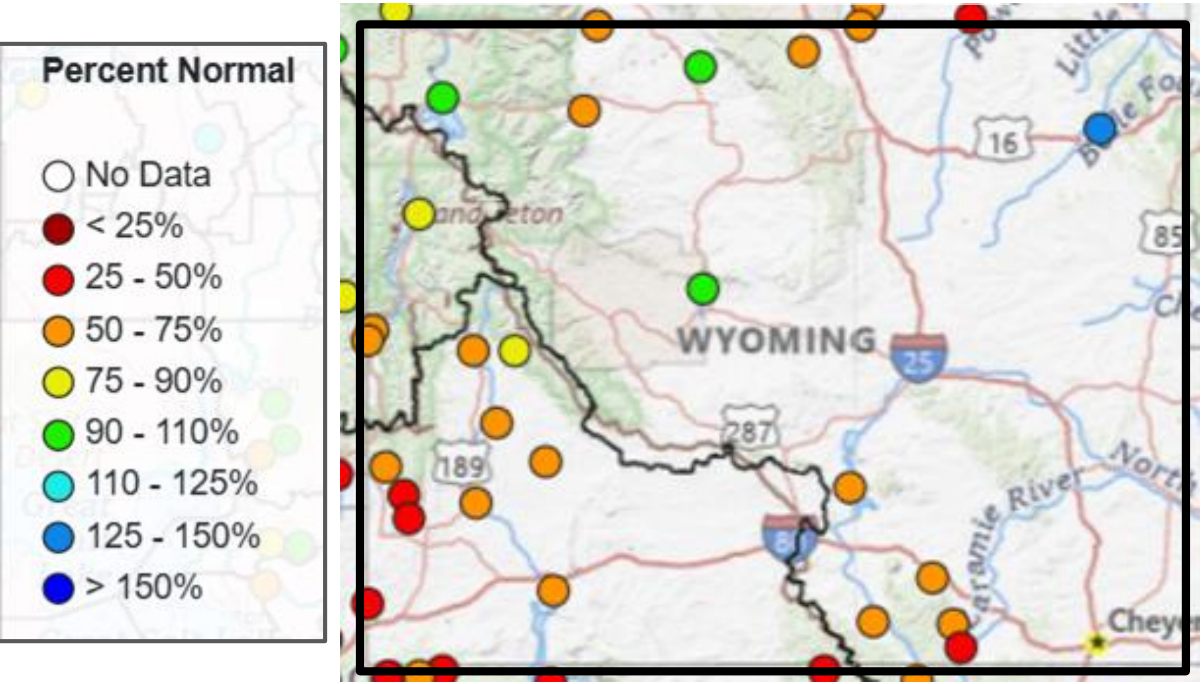


Highlight of the Month:

Streamflow Forecast and Potential Impacts

Official Water Supply Forecast

Valid April-September



https://www.cbrfc.noaa.gov/wsup/graph/west/map/esp_map.html

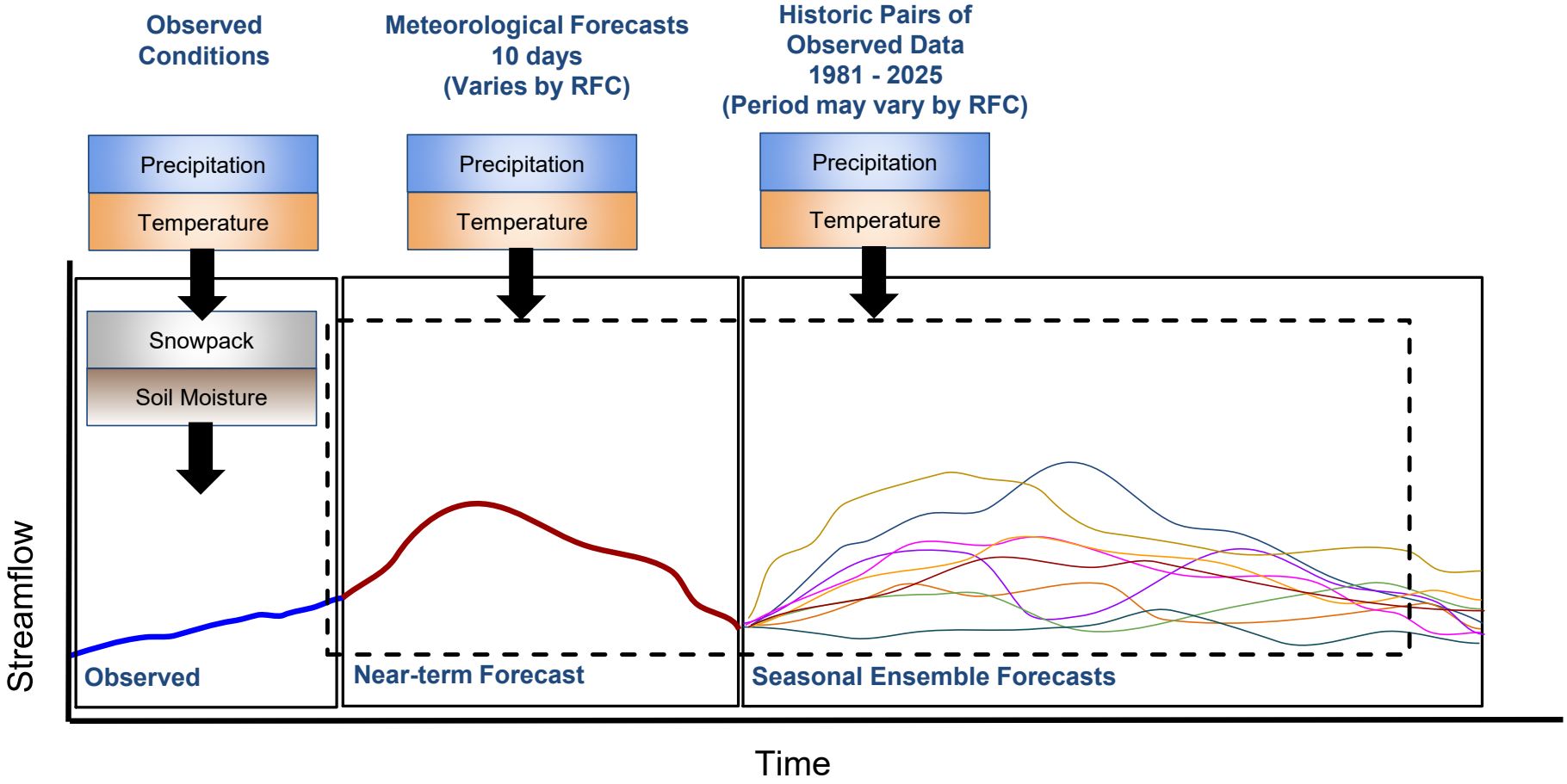
April thru September runoff volumes below normal, to near normal.

This graphic depicts the NWS water supply outlook locations, colored by the percent of April-thru-September volumetric normal. Many Wyoming stations are projected to see lower-than-normal volumes (yellows, oranges, reds), with some stations primarily in the Bighorn and Yellowstone Basin forecasting near normal (greens).

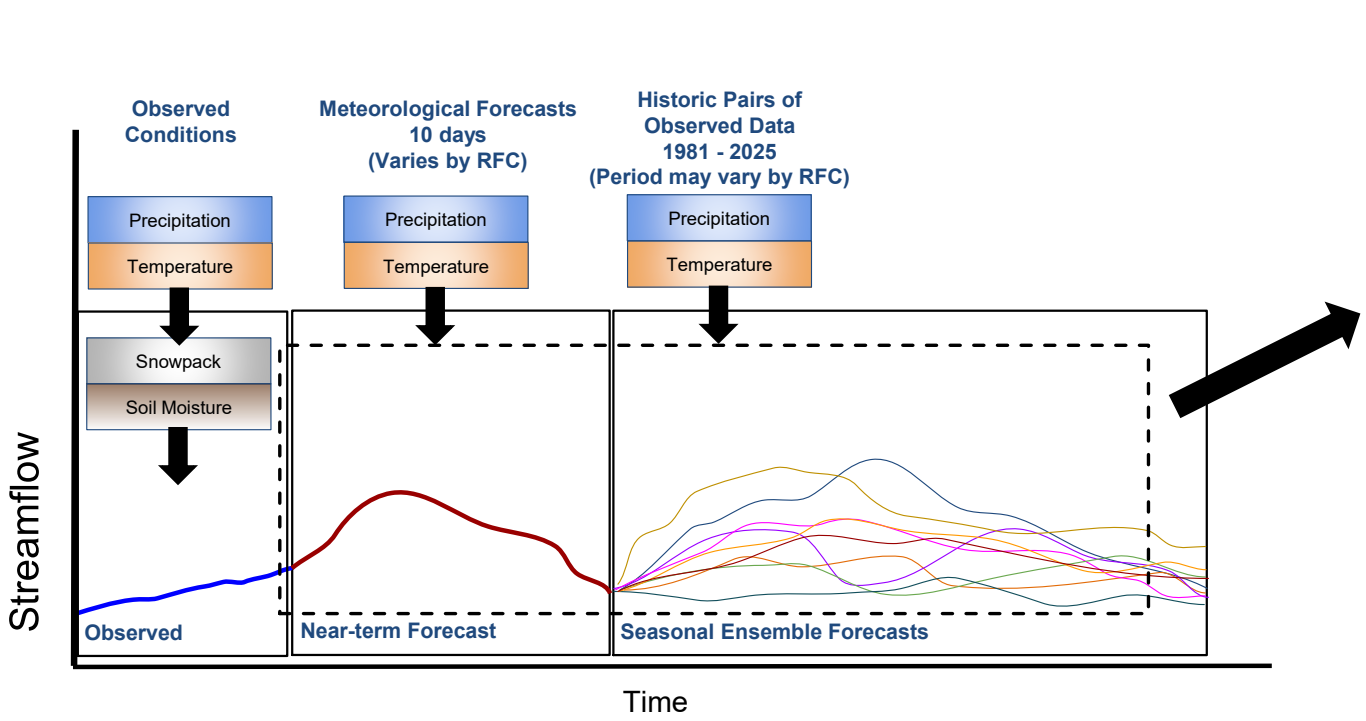
Official forecast valid April 2026.

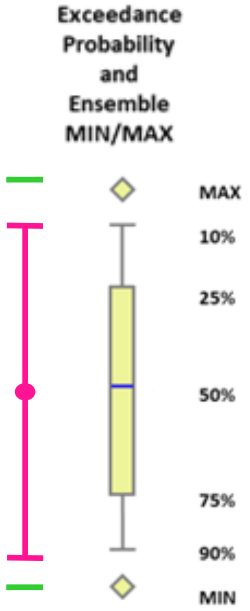
**Please note that the Colorado River basin colors reflect April-thru-July percent-of-normals*.

NWS Water Supply Forecast Process



NWS Water Supply Forecast Process

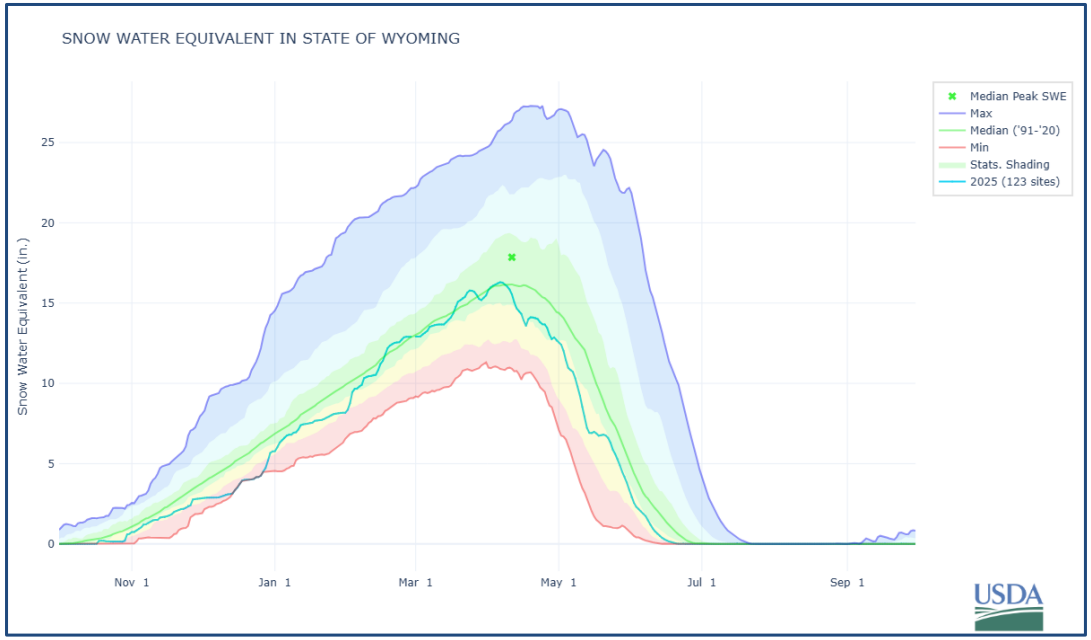




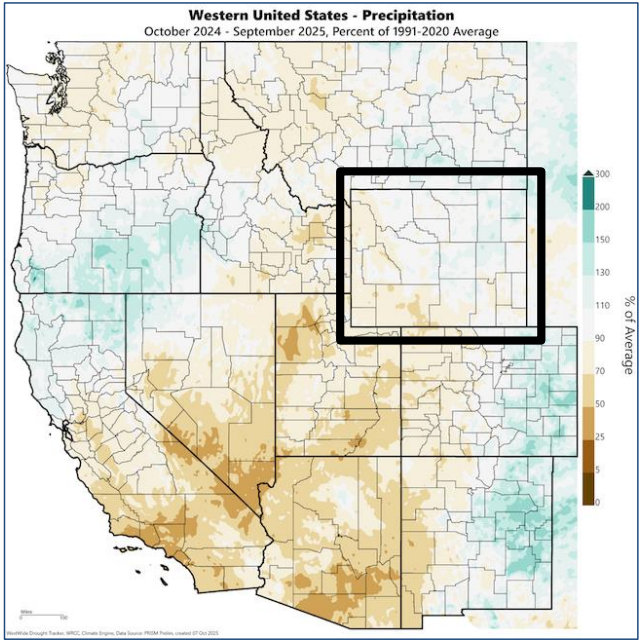
Ensemble Seasonal Volume Forecasts

Seasonal Volumes (April - September Missouri and Columbia Basins, April - July Colorado Basin.)

Antecedent Conditions - WY25 Precipitation



- WY25 snowpack near normal
- Peak SWE few days early
- Dip in December near record minimum

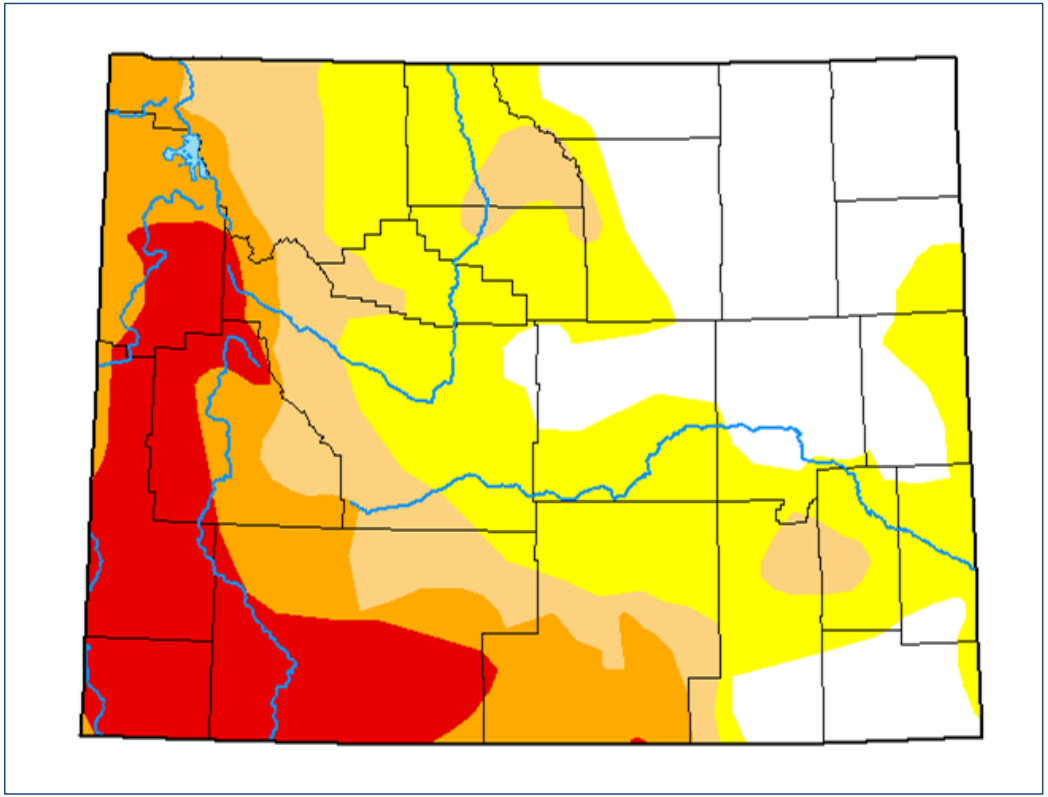


- WY25 precipitation overall near or below normal

https://nwcc-apps.sc.egov.usda.gov/awdb/basin-plots/POR/WTEQ/assocHUCwy3/state_of_wyoming.html

https://www.drought.gov/drought-status-updates/water-year-recap-intermountain-west-2025-11-20

Antecedent Conditions - Drought Monitor End of WY25



September 30, 2025

(Released Thursday, Oct. 2, 2025)

Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	55.06	44.94	16.42	6.28	0.75	0.00
Last Week *09-23-2025*	59.80	40.20	18.02	6.20	0.94	0.00
3 Months Ago *07-01-2025*	37.74	62.26	34.61	9.87	0.89	0.00
Start of Calendar Year *01-07-2025*	10.40	89.60	70.14	36.88	11.33	0.00
Start of Water Year *10-01-2024*	15.42	84.58	48.20	17.36	4.53	0.00
One Year Ago *10-01-2024*	15.42	84.58	48.20	17.36	4.53	0.00

Intensity:

- None
- 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. For more information on the Drought Monitor, go to https://droughtmonitor.unl.edu/About.aspx

Author:

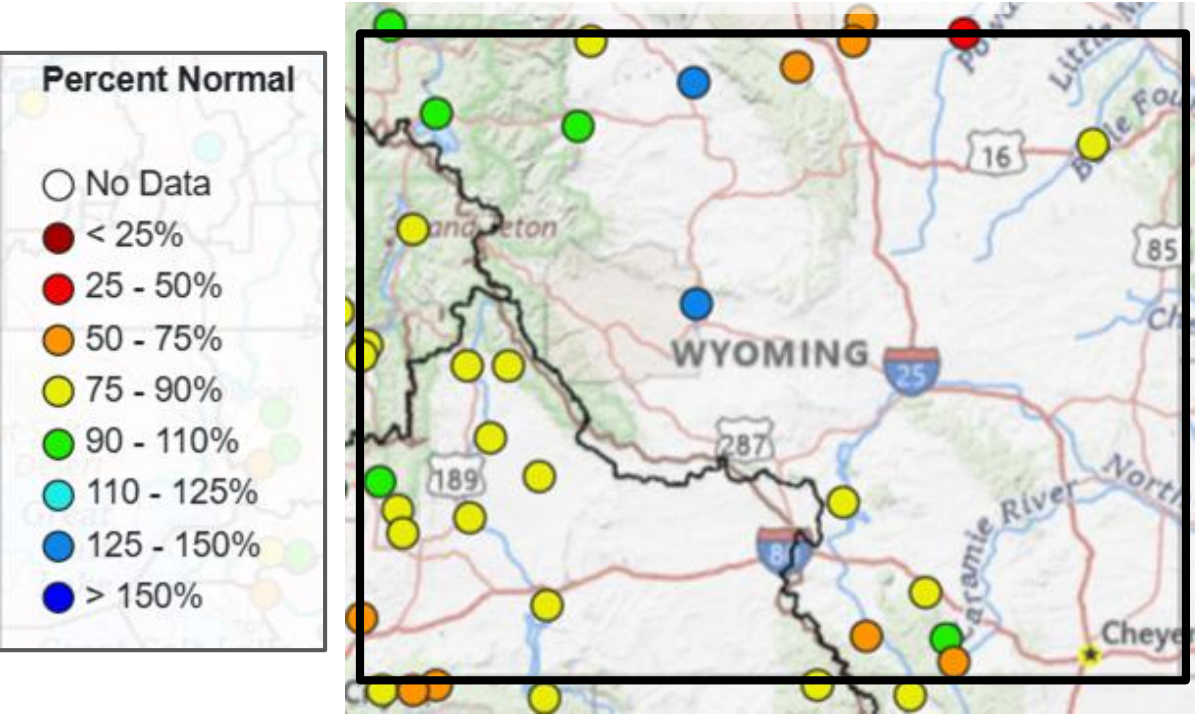
Curtis Riganti

National Drought Mitigation Center

droughtmonitor.unl.edu

Official Water Supply Forecast - January 2026

Valid April-September



https://www.cbrfc.noaa.gov/wsup/graph/west/map/esp_map.html

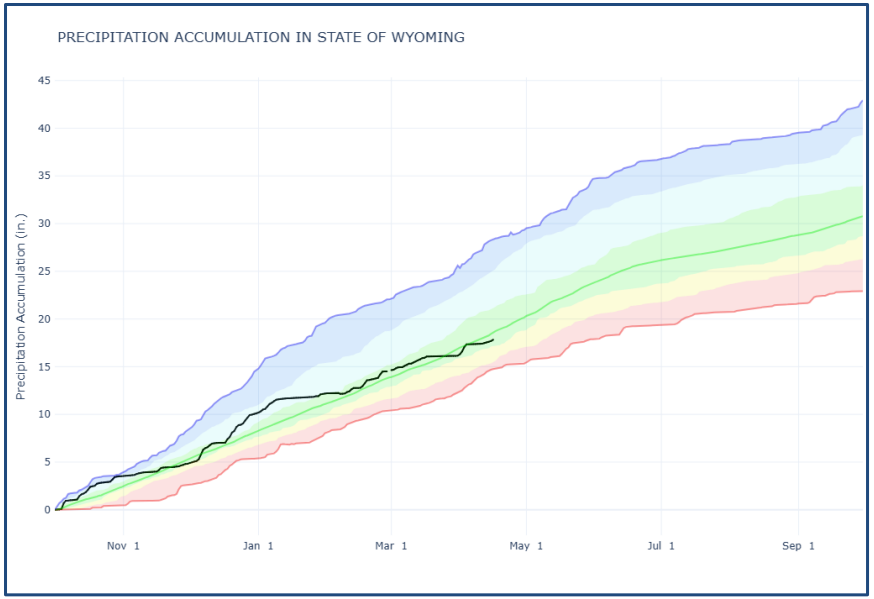
- Official forecast 1 January 2026

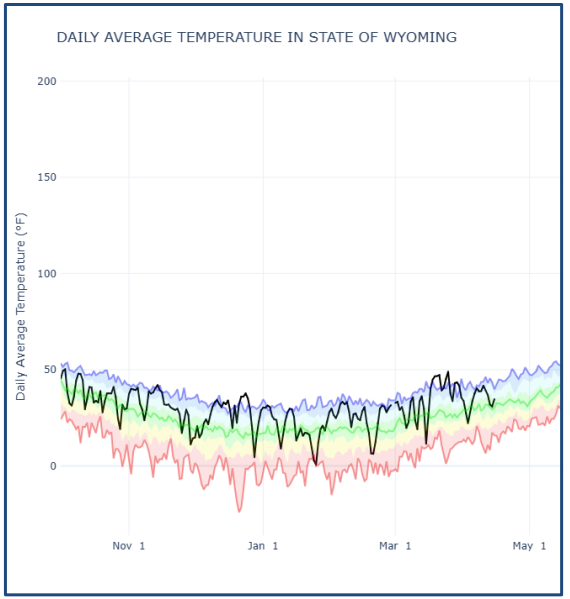
This graphic depicts the NWS water supply outlook locations, colored by the percent of April-thru-September volumetric normal. Locations in Wyoming Basin were projected to see near normal (greens, blues) in the Upper Yellowstone and Bighorn Basins to lower than normal (oranges, and yellows) volumes this season.

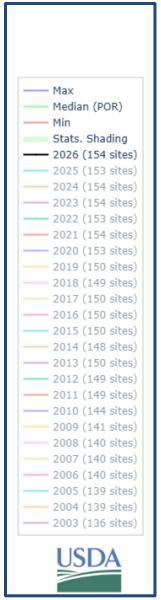
Official forecast valid **January** 2026.

**Please note that the Colorado River basin colors reflect April-thru-July percent-of-normals.*

WY26 Current Conditions







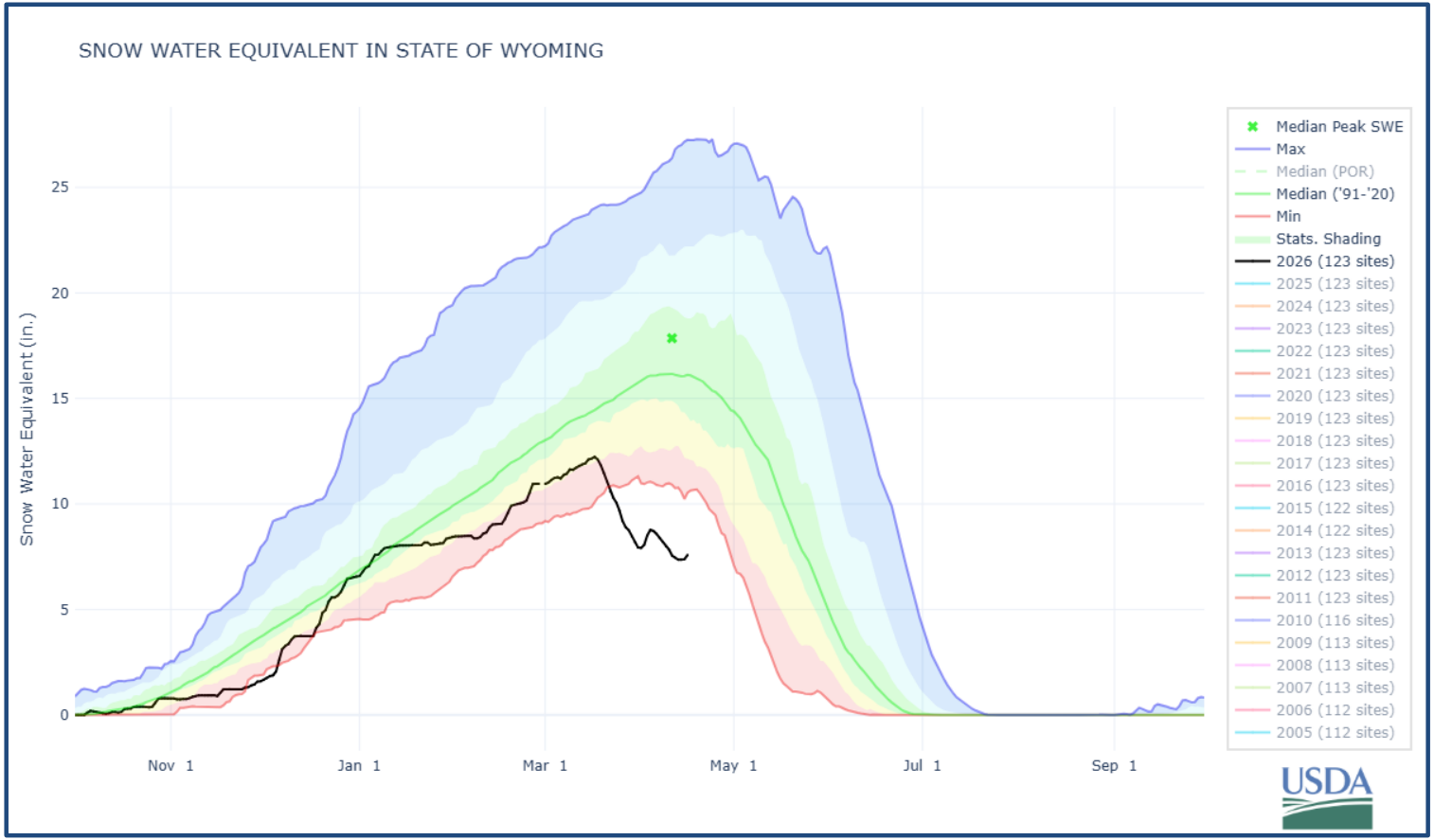
- WY26 precipitation accumulation **near median**

- WY26 daily temperature **above average**

https://nwcc-apps.sc.egov.usda.gov/awdb/basin-plots/POR/PREC/assocHUCwy3/state_of_wyoming.html

https://nwcc-apps.sc.egov.usda.gov/awdb/basin-plots/POR/TAVG/assocHUCwy3/state_of_wyoming.html

WY26 Current Conditions



https://nwcc-apps.sc.egov.usda.gov/awdb/basin-plots/POR/WTEQ/assocHUCwy3/state_of_wyoming.html

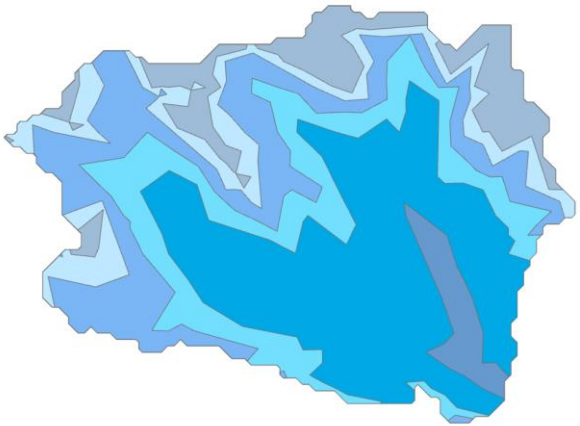
Modeling Mountain Basins

Mountain basins split into elevation layers to account for differences in snow water equivalent amounts, areal extent, rates of melt

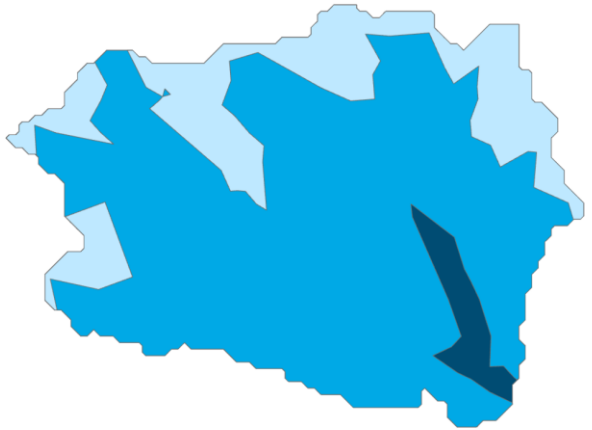
Many basins have lower, upper elevations; some with also have middle

Example–Wind R near Dubois (*DUBW4*)

- Lower (5500-7500 ft)
- Middle (7500-9500 ft)
- Upper (abv 9500 ft)



DUBW4 elevation every 500 feet

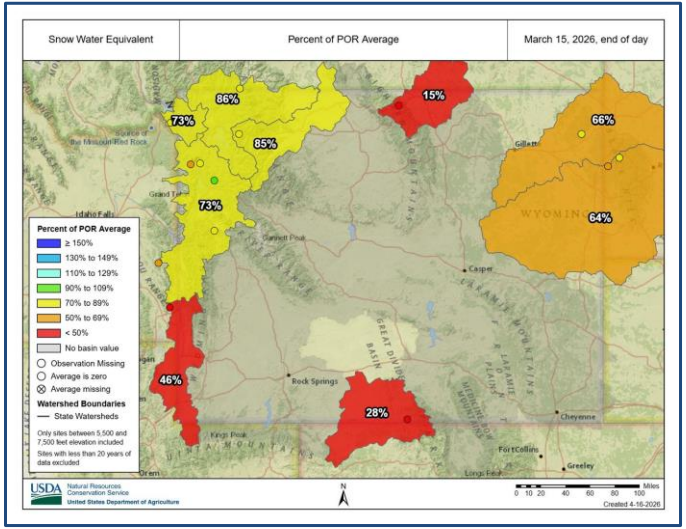


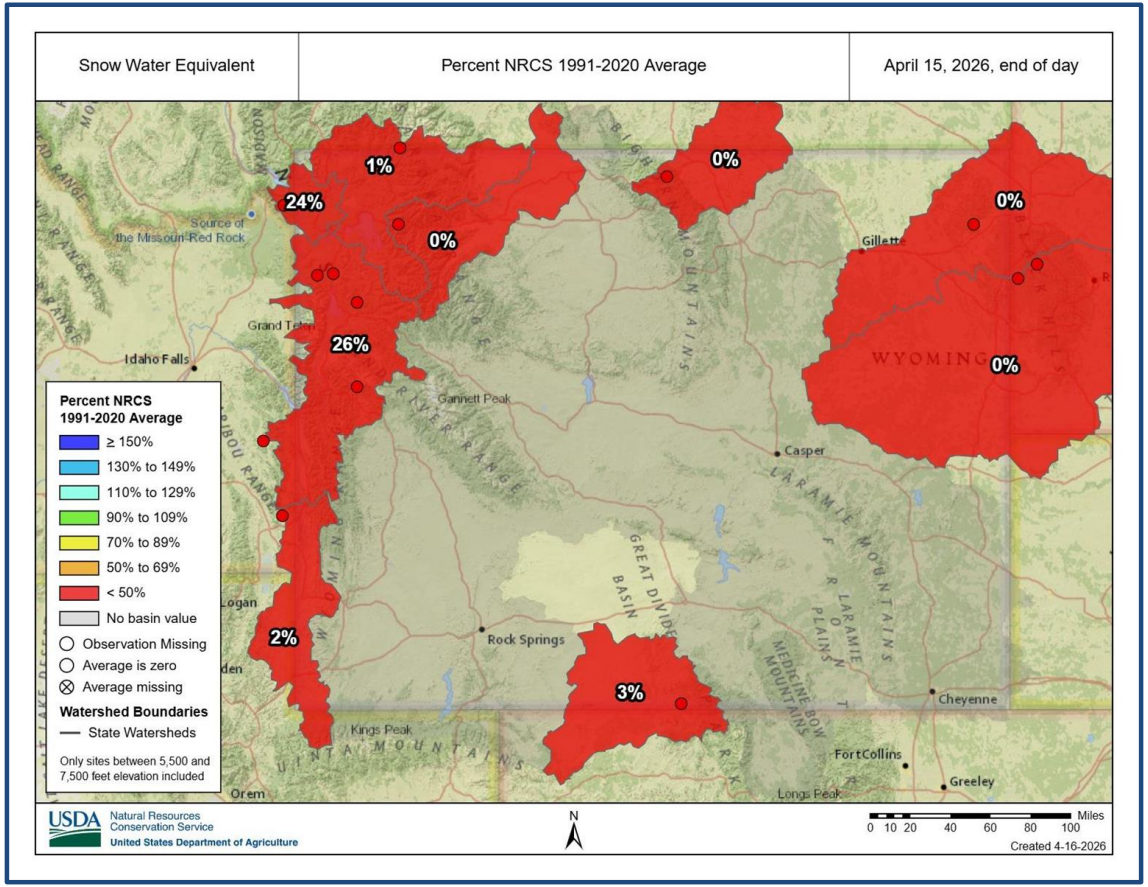
DUBW4 elevation zones

WY26 Current Conditions

Lower elevation (5500-7500 feet)

March 15 2026



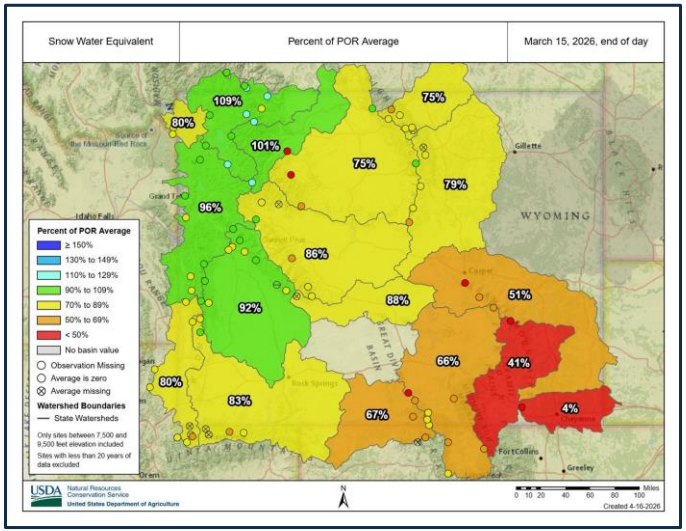


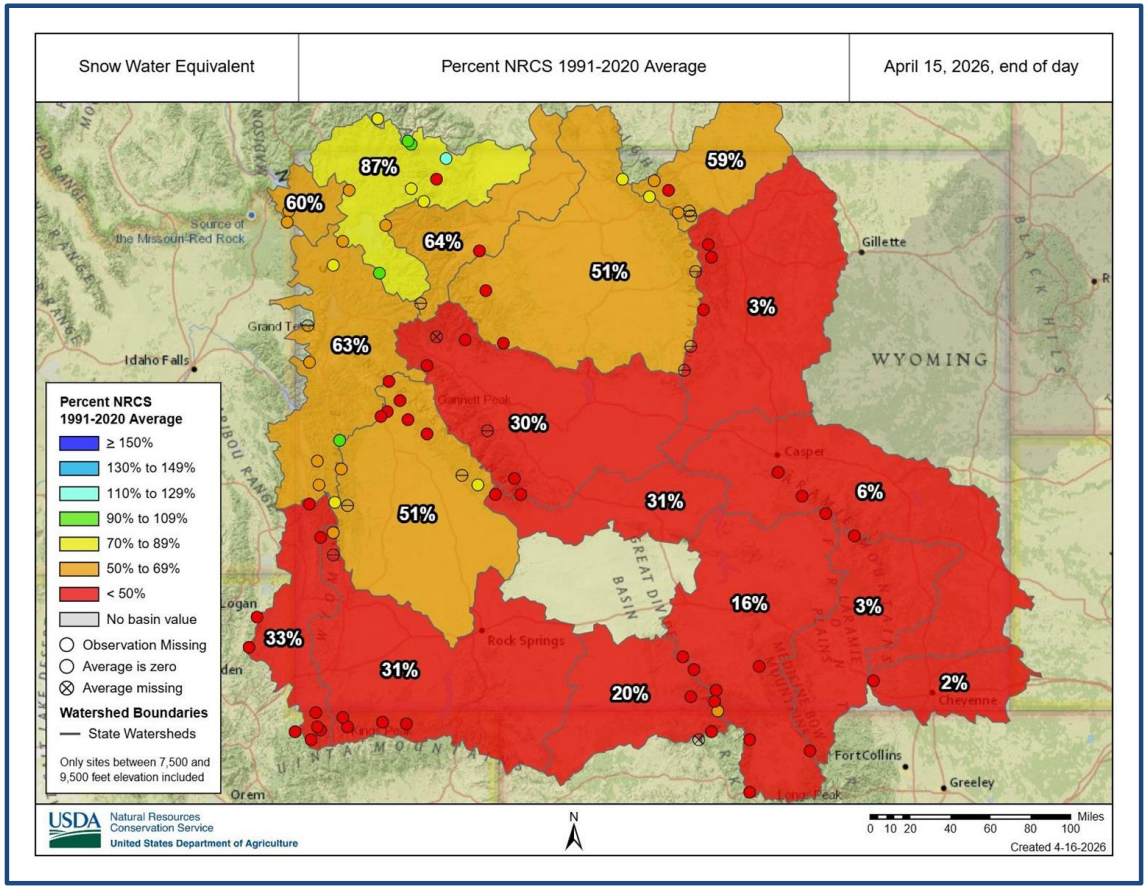
https://nwcc-apps.sc.egov.usda.gov/imap/

WY26 Current Conditions

Middle elevation (7500-9500 feet)

March 15 2026



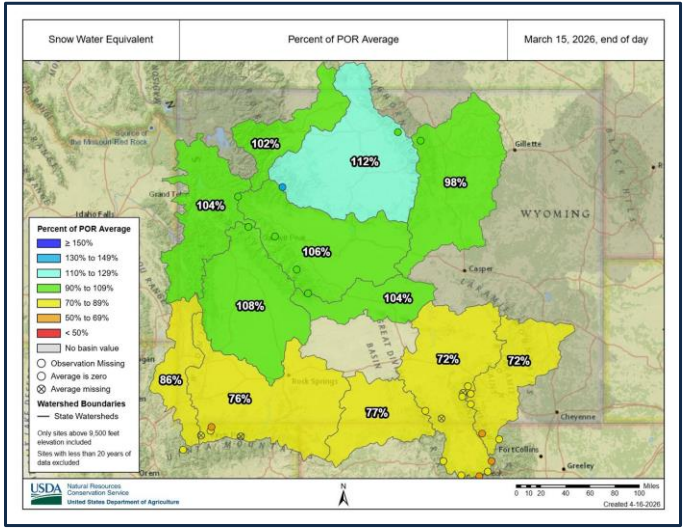


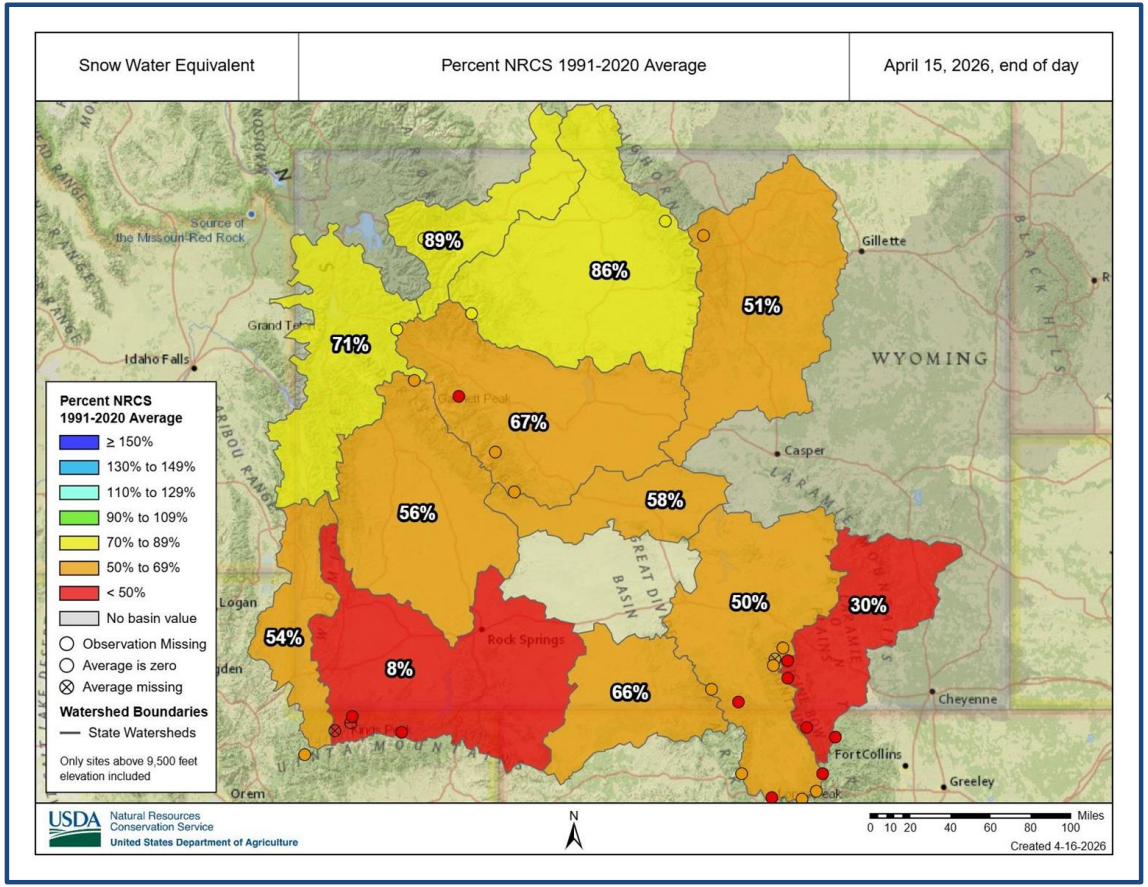
https://nwcc-apps.sc.egov.usda.gov/imap/

WY26 Current Conditions

Upper elevation
(abv 9500 feet)

March 15 2026





https://nwcc-apps.sc.egov.usda.gov/imap/

NWS Water Supply Forecast Process

Observed Conditions

Precipitation

Temperature

Snowpack

Soil Moisture

Meteorological Forecasts 10 days (Varies by RFC)

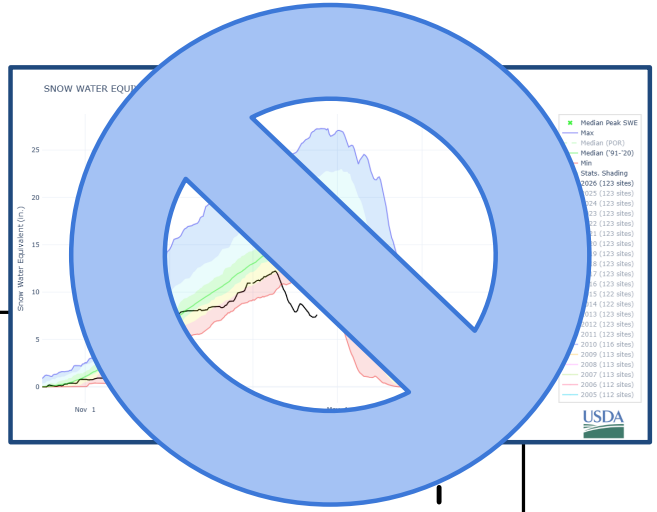
Precipitation

Temperature

Historic Pairs of Observed Data 1981 - 2025 (Period may vary by RFC)

Precipitation

Temperature



Streamflow

Observed

Near-term Forecast

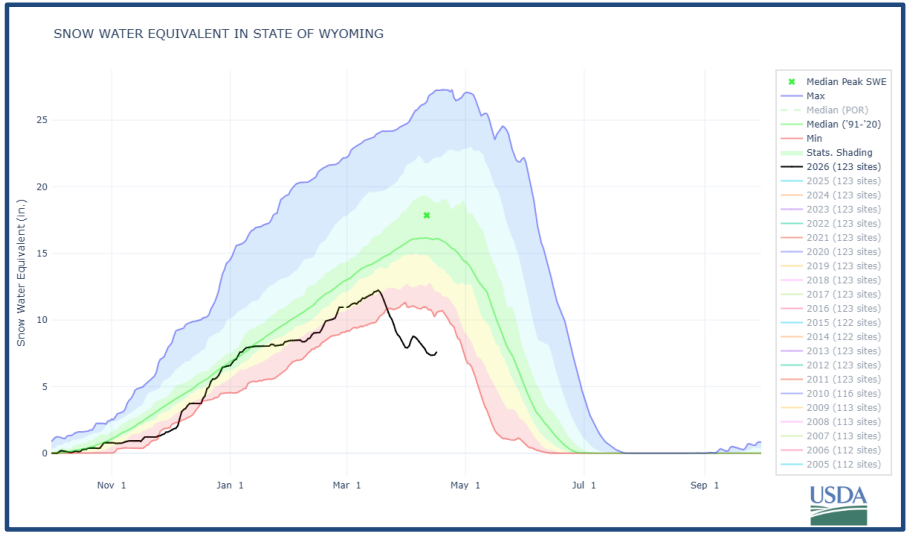
Seasonal Ensemble Forecasts

Time

WY26 Current Conditions

- WY26 water supply forecast is below normal, with forecasts decreasing as snowpack conditions worsen through the season

- Precipitation near normal, but warmer temperatures have resulted in rain vs snow, and an earlier onset to melt
- Current SWE at record minimum



- Unprecedented/record events test modeling capabilities for streamflow, water supply

https://nwcc-apps.sc.egov.usda.gov/awdb/basin-plots/POR/WTEQ/assocHUCwy3/state_of_wyoming.html

Contact & Additional Information

- Presenter Email: alex.caruthers@noaa.gov
- Western Water Supply Forecast:

  www.cbrfc.noaa.gov/wsup/graph/west/map/esp_map.html
- MBRFC Homepage: www.weather.gov/mbrfc
- MBRFC Water Supply: www.weather.gov/mbrfc/water

NEW this year – *Water Supply Verification*

- Compare forecasted April-September volumes to observed volumes
- WY24 and WY25 available

www.weather.gov/mbrfc/watersupply_verify

NATIONAL DROUGHT MITIGATION CENTER
UNIVERSITY OF NEBRASKA

Drought 101 Webinar
Thursday, May 7th, 1pm to 2pm Mountain Time

Register here: go.unl.edu/usdm-workshop-may-7-2026

Or Contact: Curtis Riganti: criganti2@unl.edu
Lyndsay Johnson: ljohnson161@unl.edu



Gauge Provided

Join CoCoRaHS, Observe, and Report Precipitation

cocorahs.org

WILDFIRE WEBINAR SERIES

University of Wyoming Extension
Thursday 6-7:30 pm April 30 - June 4

Schedule, speakers, and registration available at:
https://wyoextension.org/wrir/wildfire-webinar/

APRIL 30	**Integrated Fuels Management within the Wind River and Bighorn Basin**	**Rance Neighbors**, Fuels Program Manager, Bureau of Land Management
MAY 7	**Collaborative Community-Level Planning for Wildfire Risk Management**	**Matt Hamilton**, Ph.D., University of Wyoming
MAY 14	**Impacts of Wildfire Smoke on Livestock & Grazing After a Wildfire**	**Amy Skibiel**, Ph.D., University of Idaho **Barton Stam**, University of Wyoming Extension

SCAN ME

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

Alex Caruthers
National Weather Service, Missouri River Basin Forecast Center
alex.caruthers@noaa.gov

George Finnegan
Bureau of Reclamation
GSFinnegan@usbr.gov

Rebecca Hird
Bureau of Land Management
rhird@blm.gov

Michelle Hubbard
State Engineer's Office
michelle.hubbard@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!

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