



— BUREAU OF —  
RECLAMATION

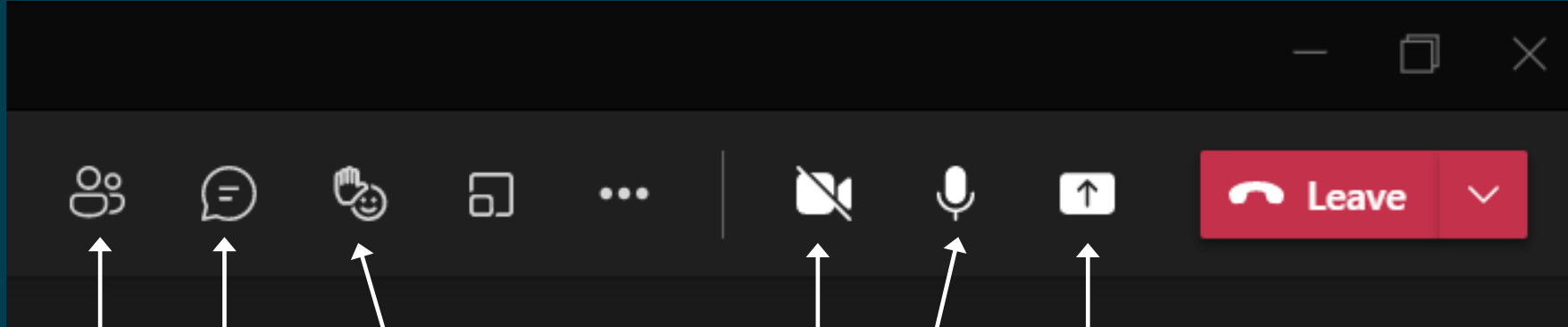
# Navajo Unit Operations Coordination Meeting

August 20<sup>th</sup> 2024

1:00 PM

Farmington Civic Center / Microsoft Teams

# Microsoft Teams Video Conferencing



Share screen – for presenters only

Mute/unmute your microphone – keep muted unless asking a question

Turn on/off your camera – please turn camera off unless speaking

Raise your hand – feel free to raise your hand and we will call on you to speak

Chat – ask questions during presentation, introduce yourself. The in-person attendance will be posted here.

Participant list – see list of those who have logged on the Teams call.





Please introduce yourself Name/Affiliation in the chat





# Agenda

- Introductions
- WY 2024 Operations to date
- Seasonal Weather Outlook– Erin Walter, NWS
- Spring Runoff Forecast– Wolfgang Hanft, CBRFC
- WY 2024 and WY2025 planned operations
- NMISC and TNC release update – Colleen Cunningham, NMISC
- Maintenance Update
- SJRIP Update
- Comments and Reports



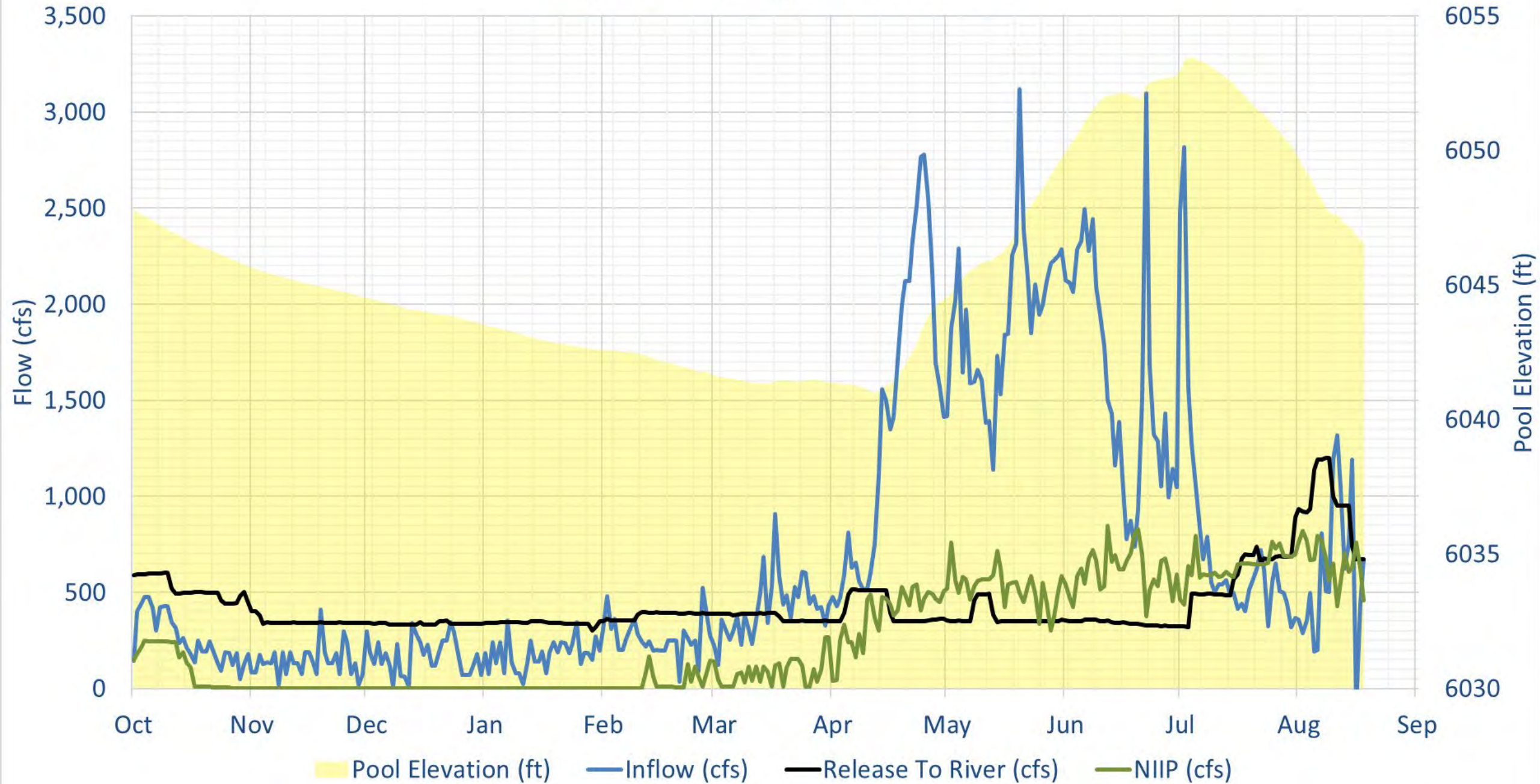


# WY 2024 Operations to Date





# Navajo Reservoir Operations WY 2024

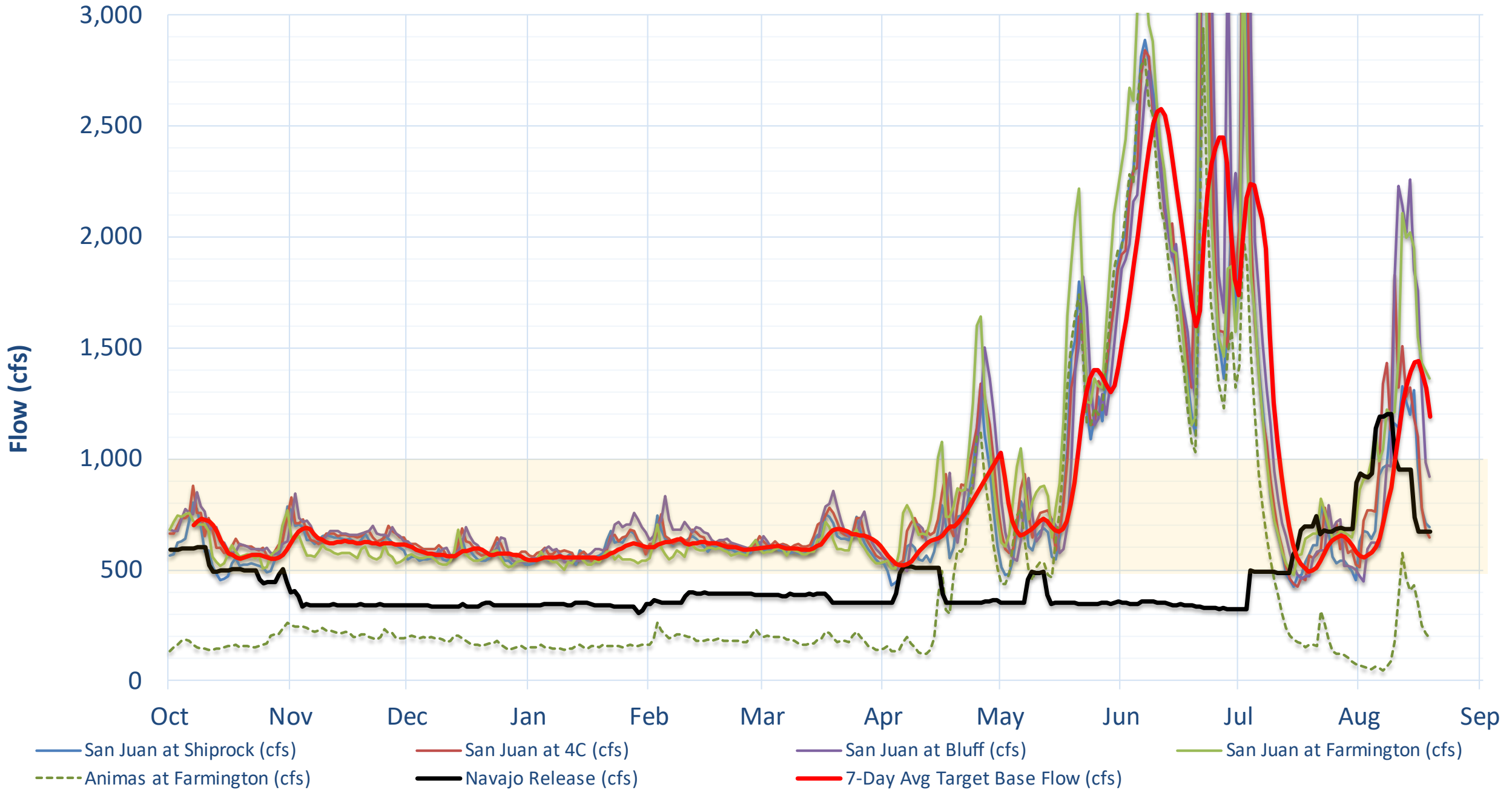


# San Juan River Flows WY 2024



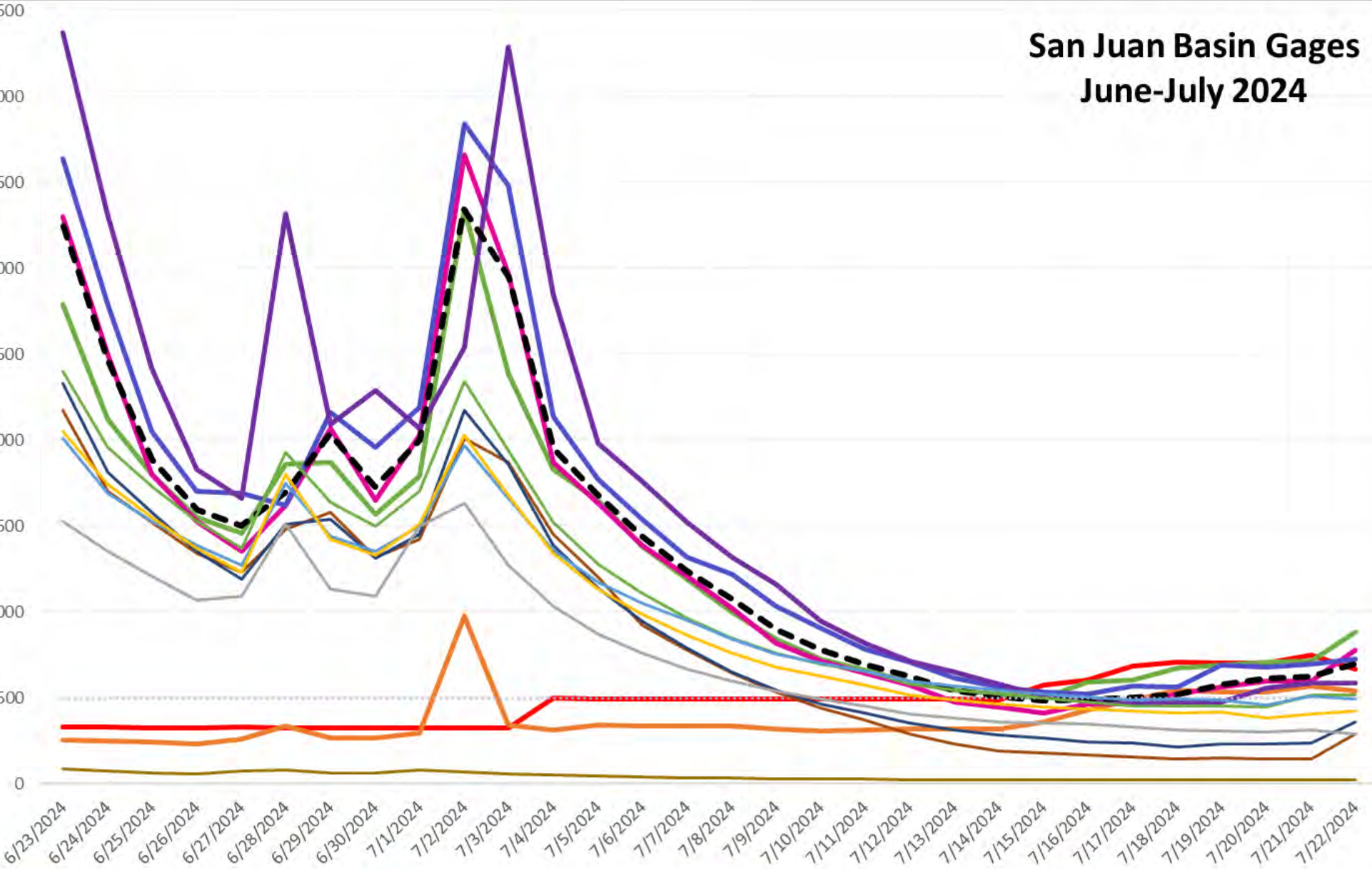


# San Juan River Flows WY 2024





# San Juan Basin Gages June-July 2024



- |                                  |                                  |                                |                            |
|----------------------------------|----------------------------------|--------------------------------|----------------------------|
| 741 San Juan at Archuleta        | 843 San Juan at Bloomfield       | 4662 San Juan at Bolack Ranch  | 772 San Juan at Farmington |
| 773 San Juan at Shiprock         | 801 San Juan at Four Corners     | 742 San Juan at Bluff          | DTBF                       |
| Goal TBF                         | 834 Cement Creek at Silverton    | 837 Mineral Creek at Silverton | 859 Animas at Farmington   |
| 4663 Animas at Penny Lane        | 768 Animas near Cedar Hill       | 3085 Animas below DPP          | 771 Animas at Durango      |
| 840 Animas River at Tall Timbers | 838 Animas River below Silverton | 833 Animas River at Silverton  |                            |



# San Juan River Near Bluff, UT - 09379500

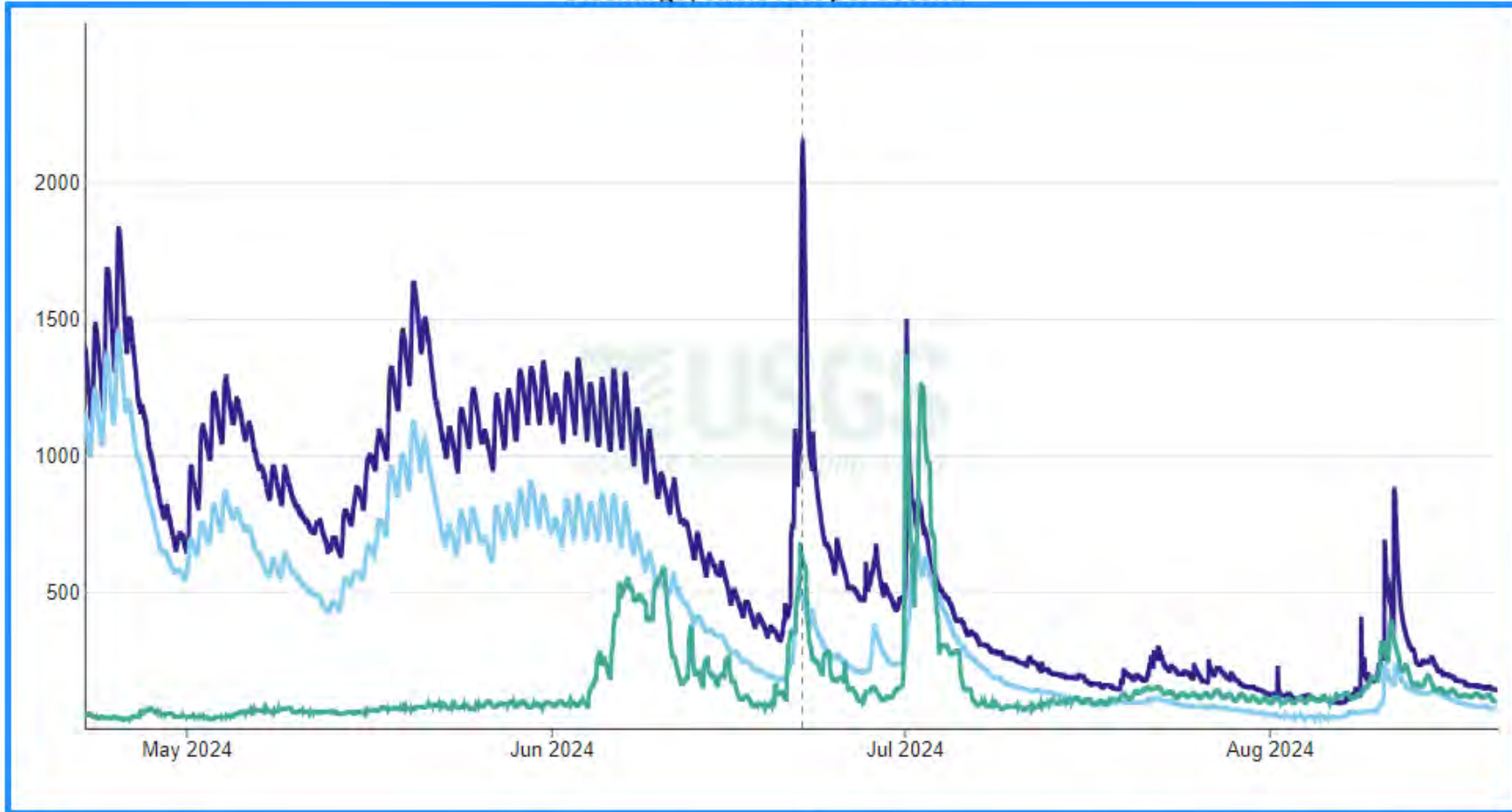
June 15, 2024 - August 20, 2024  
Discharge, cubic feet per second

823 ft<sup>3</sup>/s - Aug 20, 2024 08:45:00 AM MDT





April 22, 2024 - August 20, 2024  
Discharge, cubic feet per second



**IMPORTANT** Data may be [provisional](#)

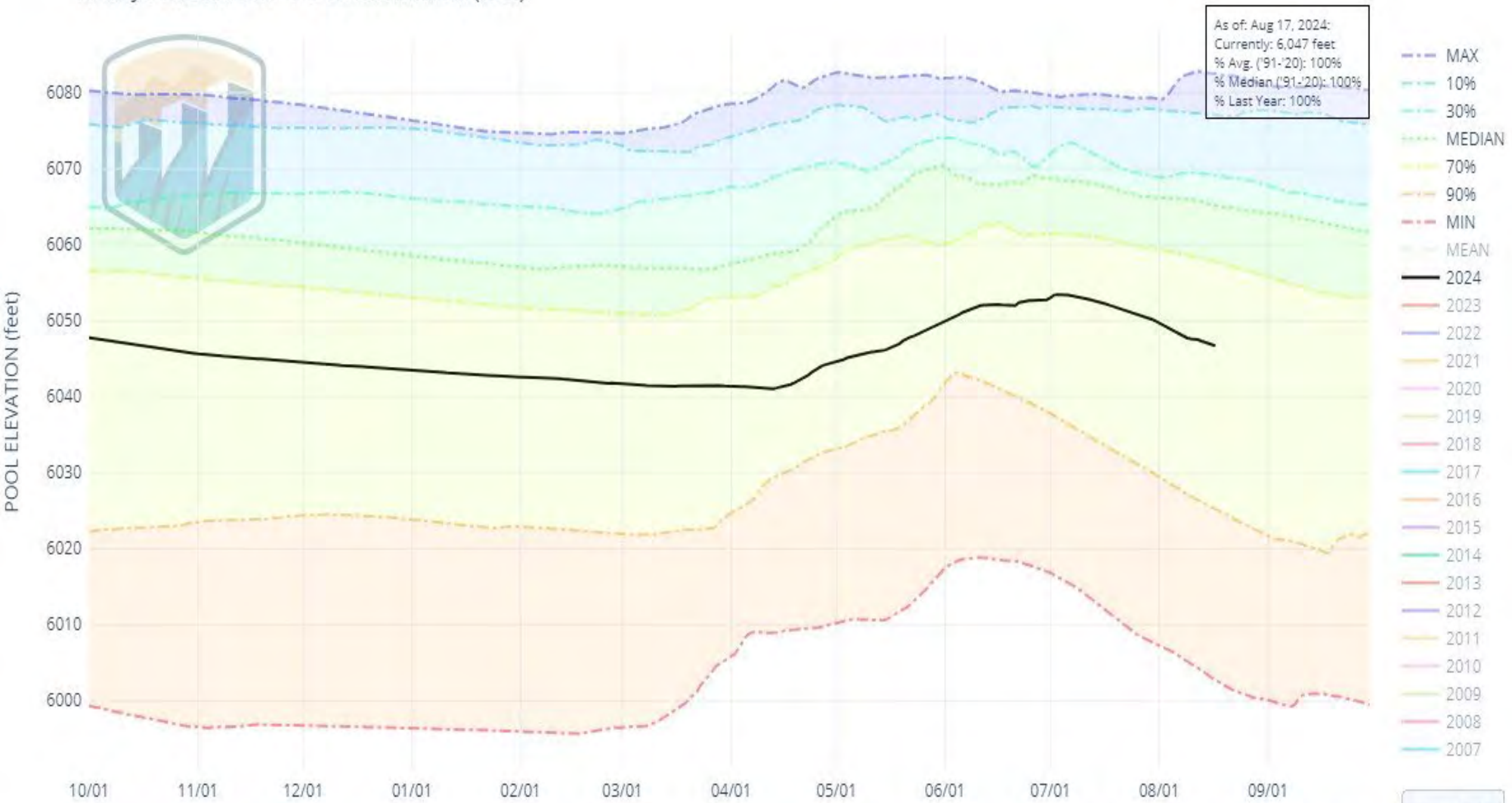
[Show legend](#) ▾

**Selected values**

| Location   | Value - ft <sup>3</sup> /s | Status      | Time                |
|--|----------------------------|-------------|---------------------|
| San Juan River Near Carracas, Co. - <a href="#">09346400</a> | 2090                       | Provisional | Jun 22 07:45 AM MDT |
| Piedra River Near Arboles, Co. - <a href="#">09349800</a>    | 492                        | Provisional | Jun 22 07:45 AM MDT |
| Los Pinos River at LA Boca, Co. - <a href="#">09354500</a>   | 620                        | Provisional | Jun 22 07:45 AM MDT |



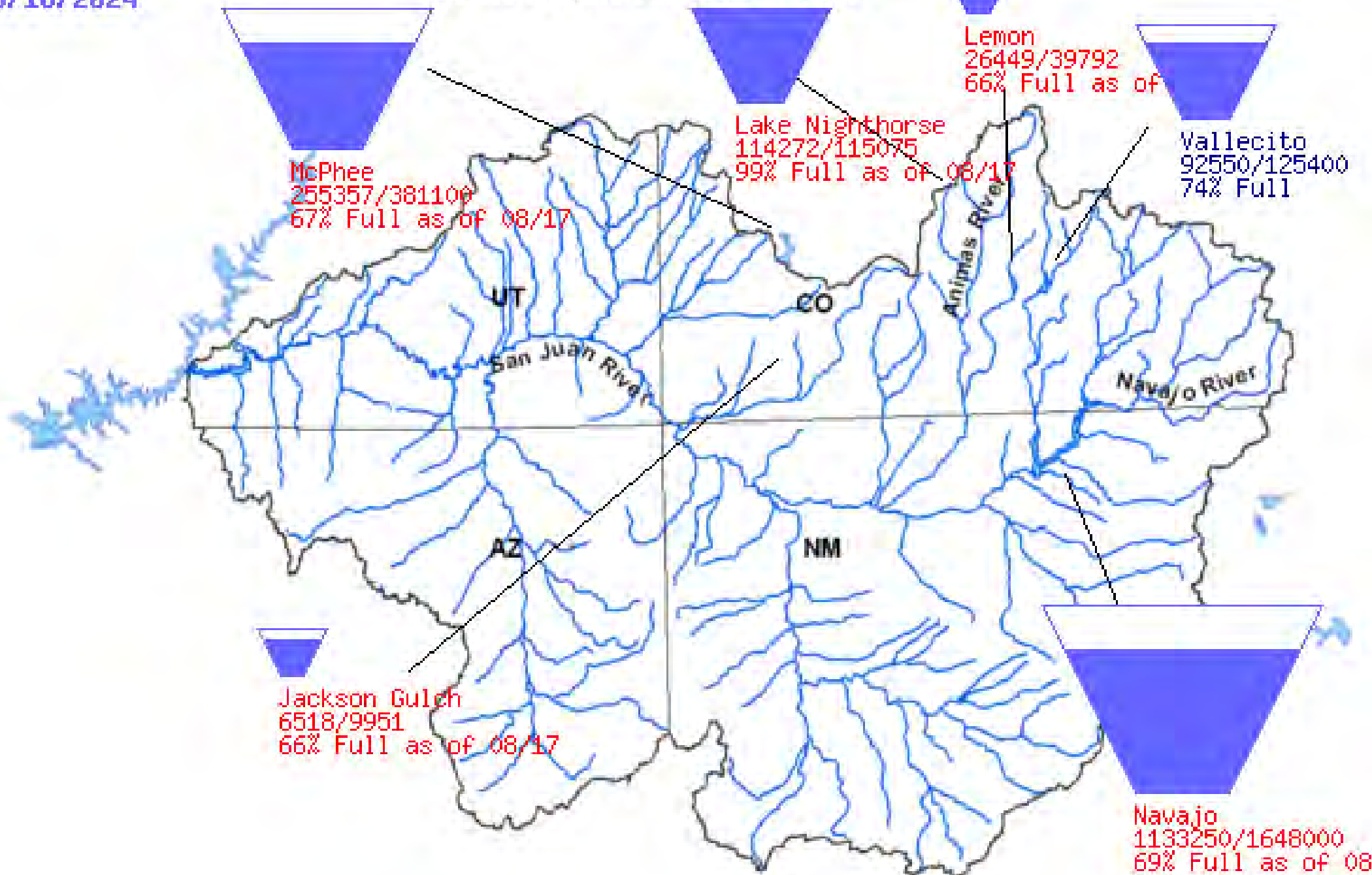
# NAVAJO RESERVOIR - POOL ELEVATION (feet)





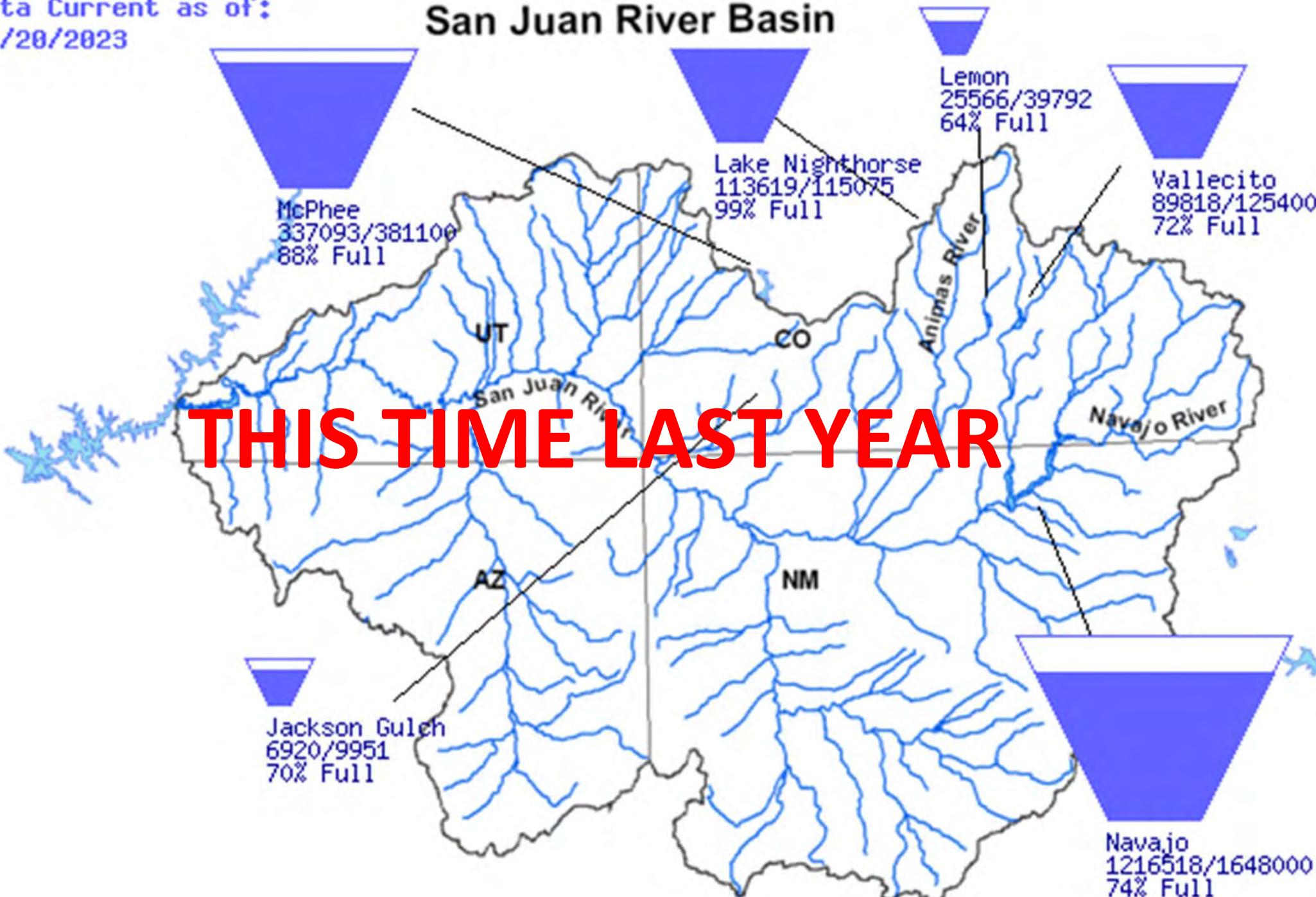
Data Current as of:  
08/18/2024

# San Juan River Basin



Data Current as of:  
08/20/2023

# San Juan River Basin

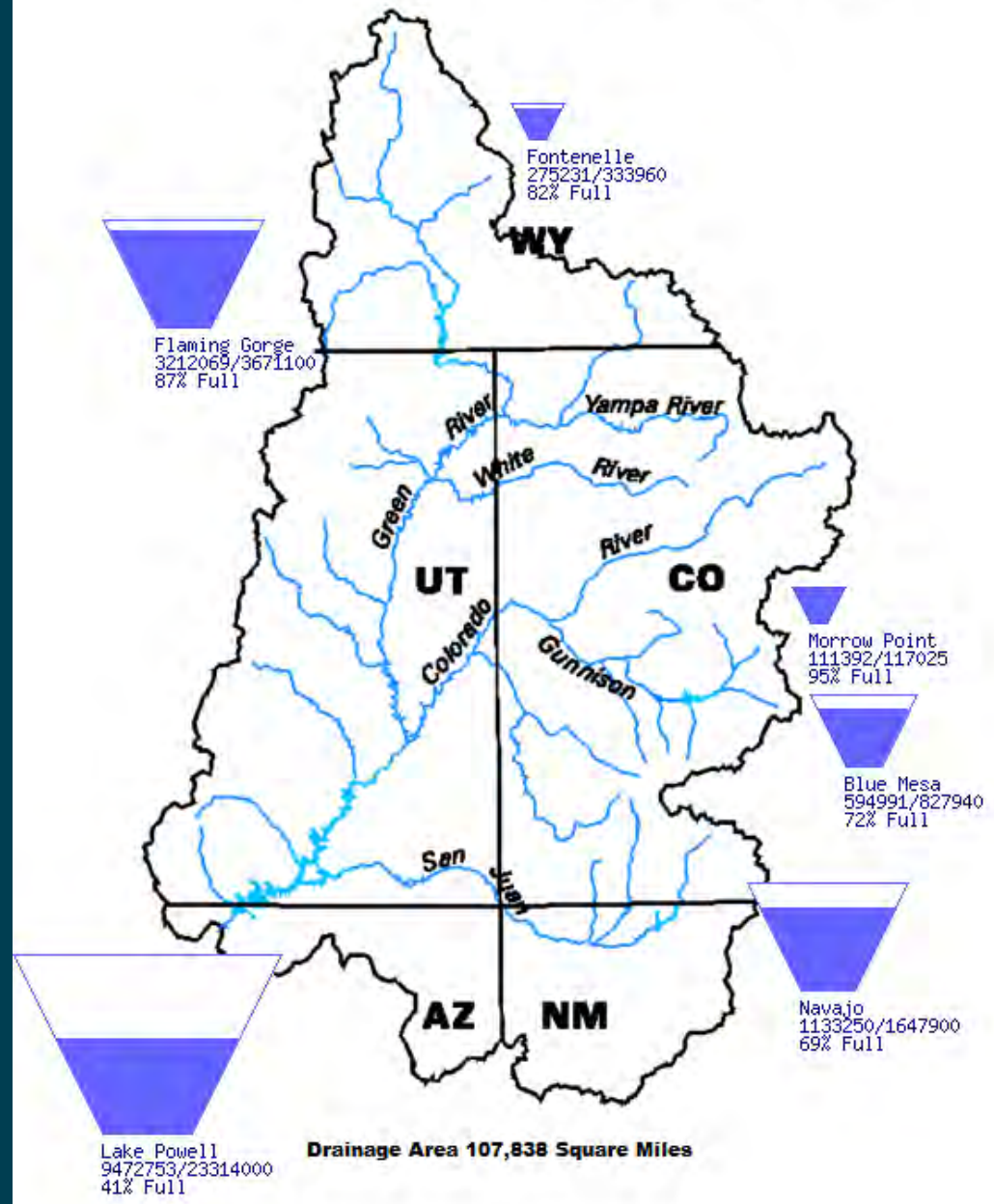


**THIS TIME LAST YEAR**





# Upper Colorado River Drainage Basin



# Upper Colorado River Drainage Basin

**THIS TIME LAST YEAR**





# Water Year 2024 Totals

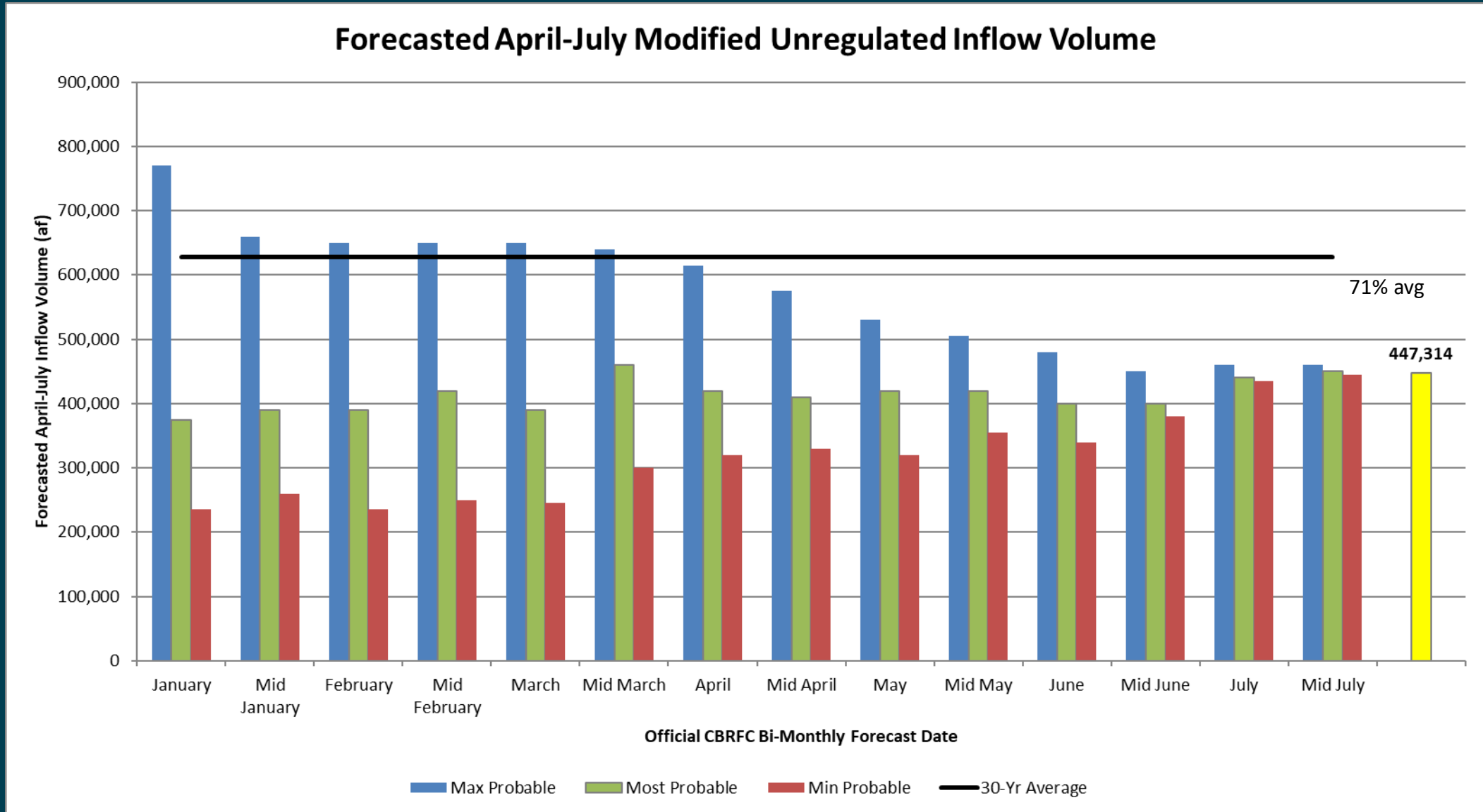
Water Year 2024 is October 1, 2023-September 30, 2024

So far this water year:

- Navajo Modified Unregulated Inflow has totaled 560 kaf
- Navajo Release has totaled 275 kaf
- Calculated Evaporation has totaled 21 kaf
- NIIP has diverted 162 kaf
- San Juan-Chama has diverted 71 kaf

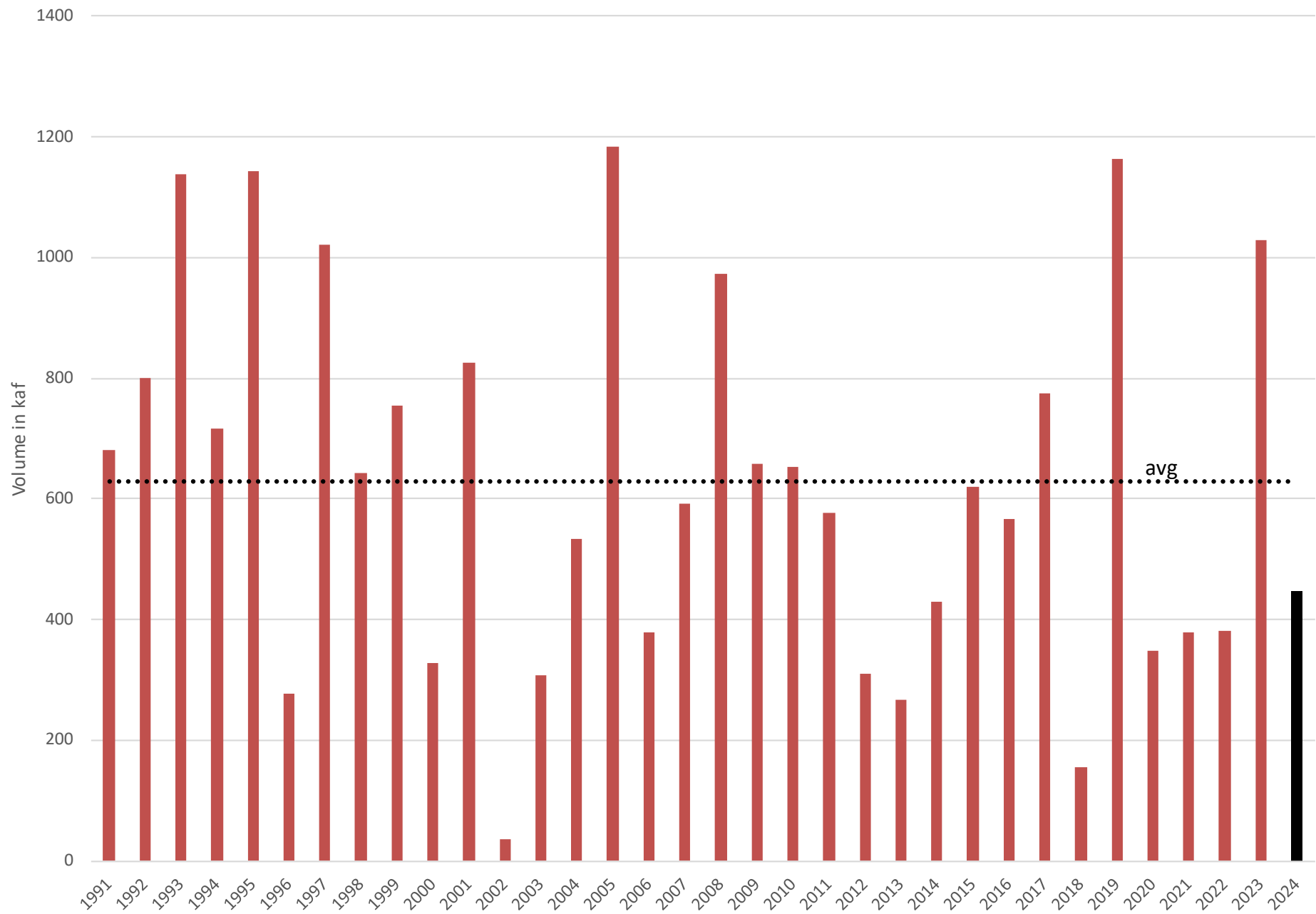


# Final April-July Modified Unregulated Inflow





# Navajo Modified Unregulated Inflow April-July



# Navajo Unit August Operations Meeting

# Climate Outlook

August 20th, 2024



Erin Walter, *Service Hydrologist*  
NWS Grand Junction, CO

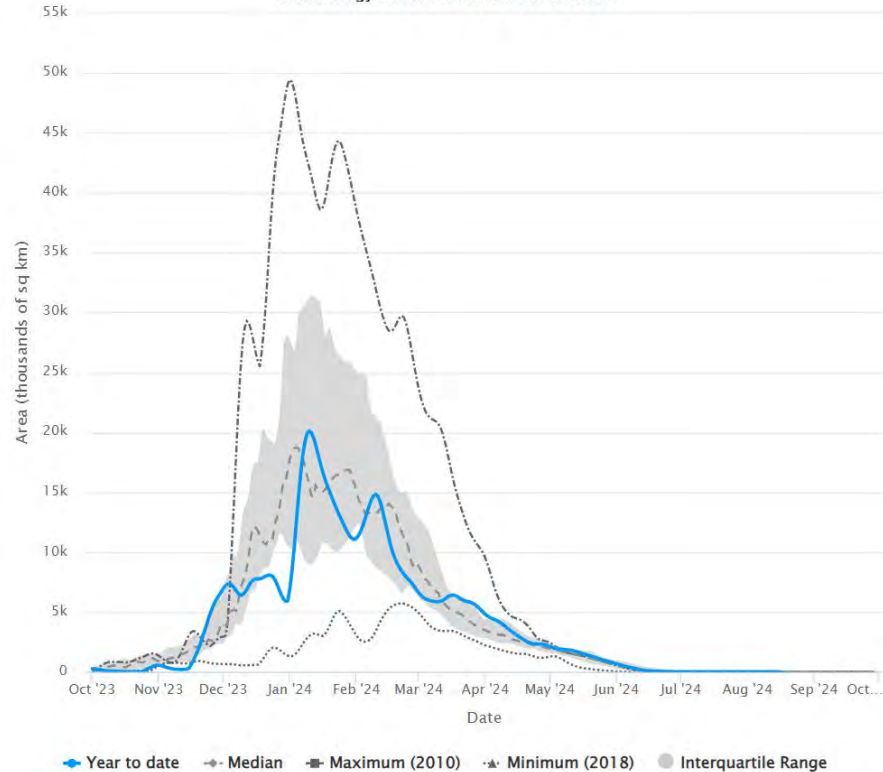




# Spring & Summer Recap

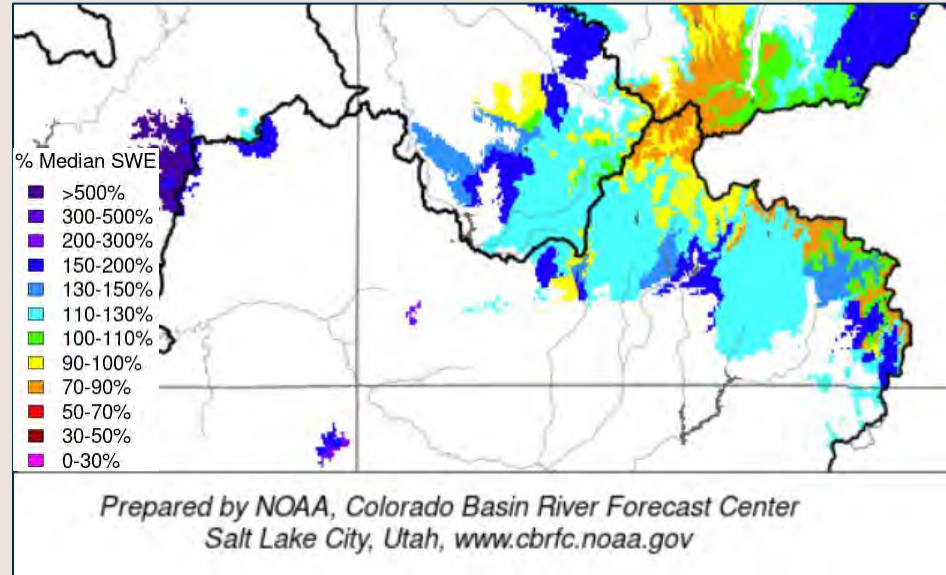
# Water Year 2024

**Total Snow Cover Area**  
**San Juan as of 2024-08-16**  
 Climatology calculated over 2001 to 2023

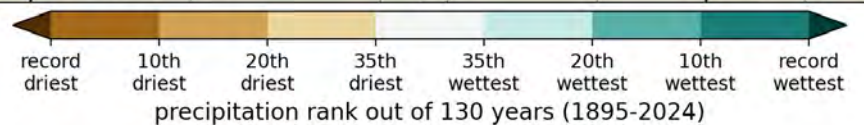
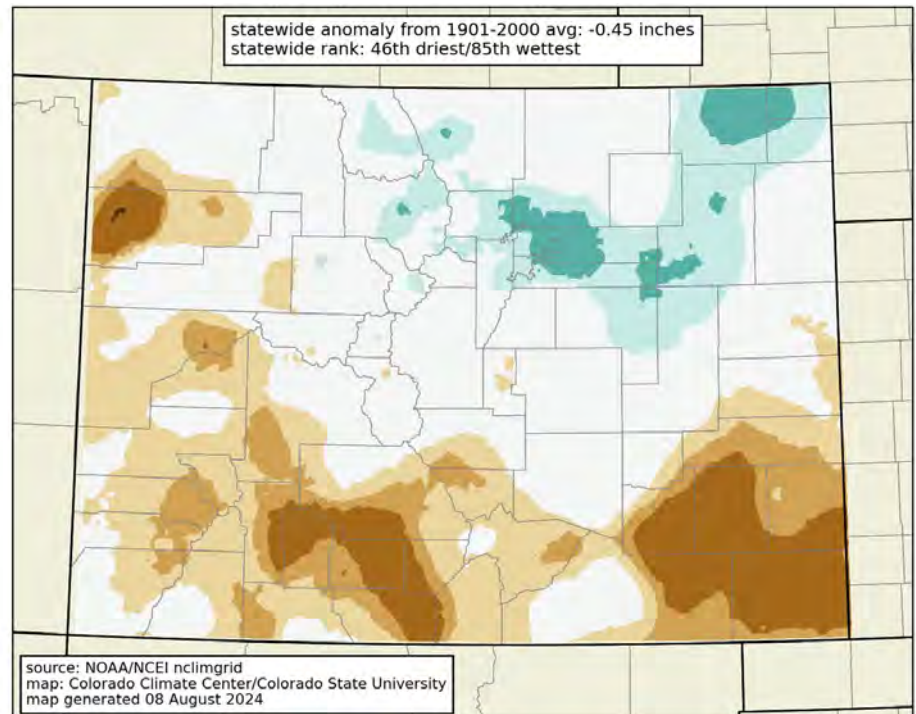
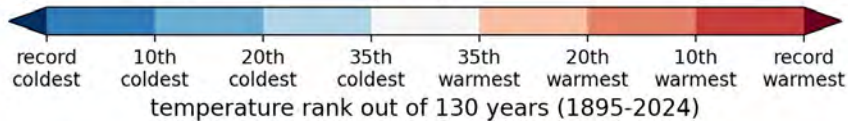
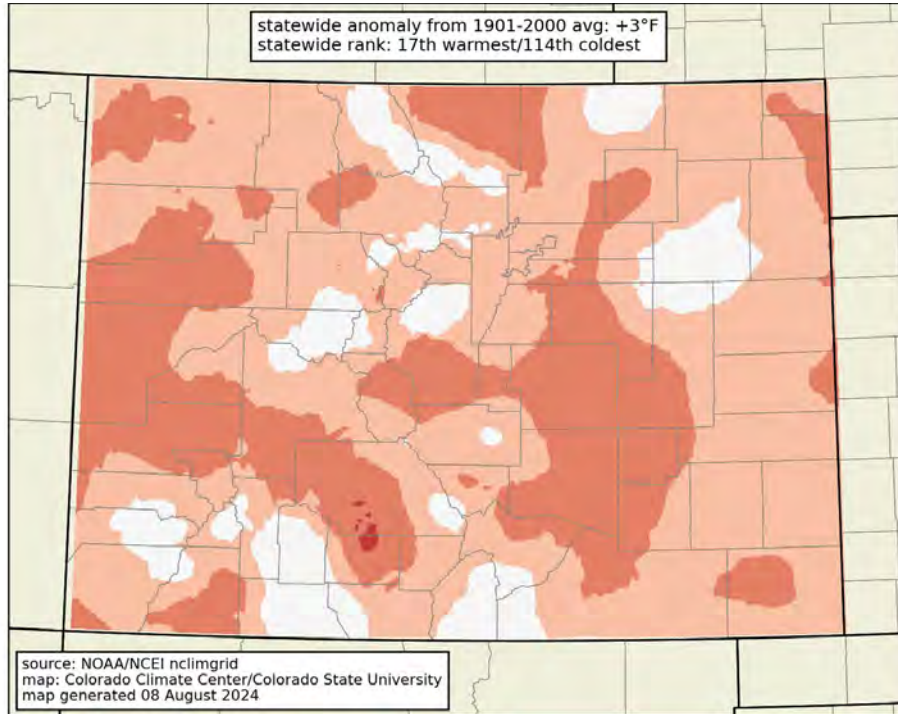


Rittger, K., Lenard, S.J.P., Palomaki, R.T. (2024). Snow Today. Boulder, Colorado USA. National Snow and Ice Data Center.  
 Data source: MODIS/Terra/SPIRES

**Snow Conditions - April 01 2024**  
 Modeled. Averaged by Basin

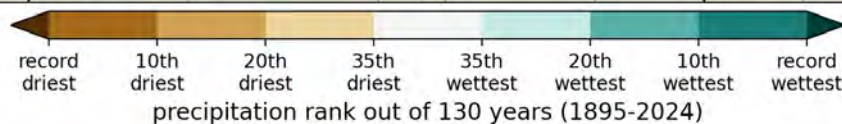
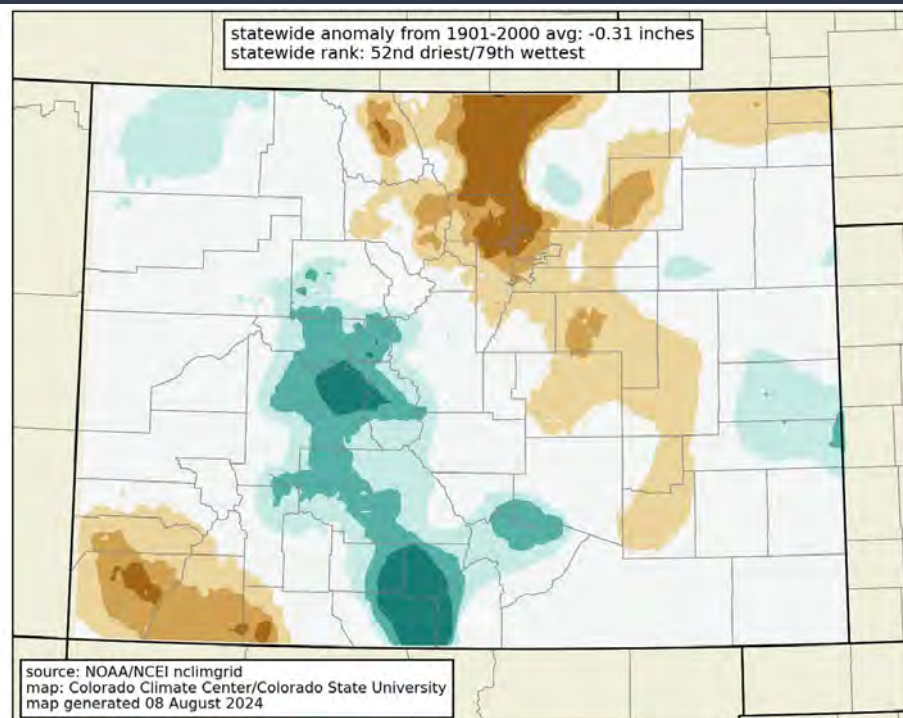
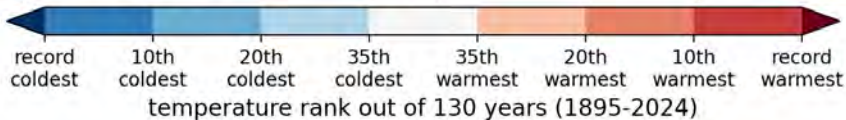
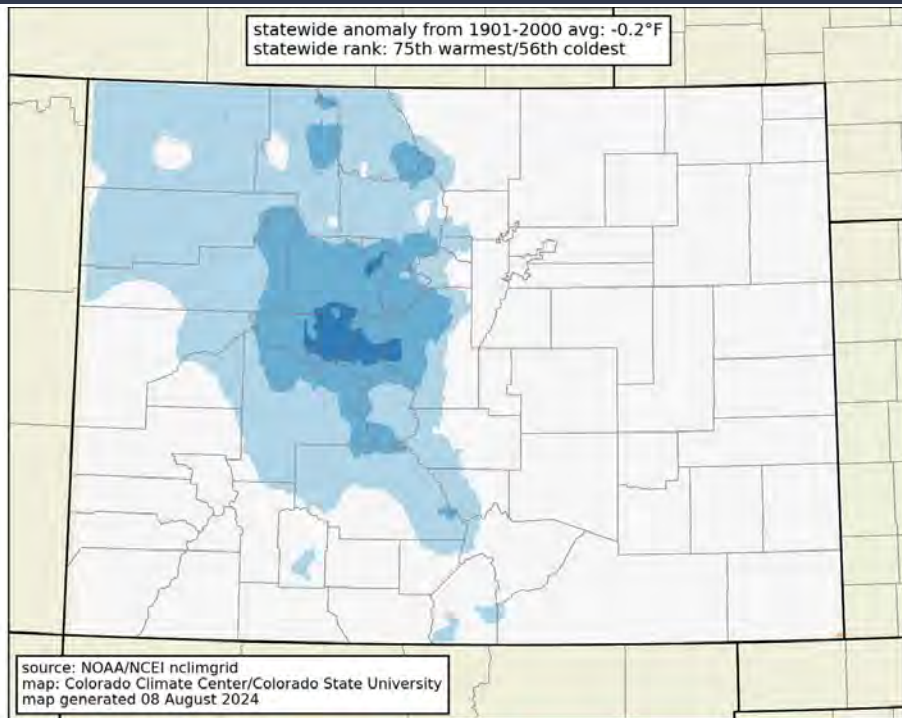


# Temperature/Precipitation Rank: April 2024

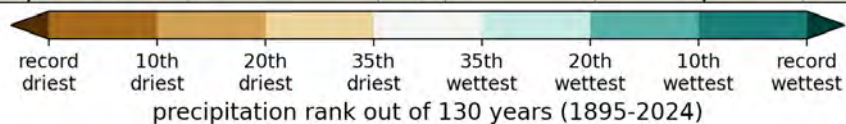
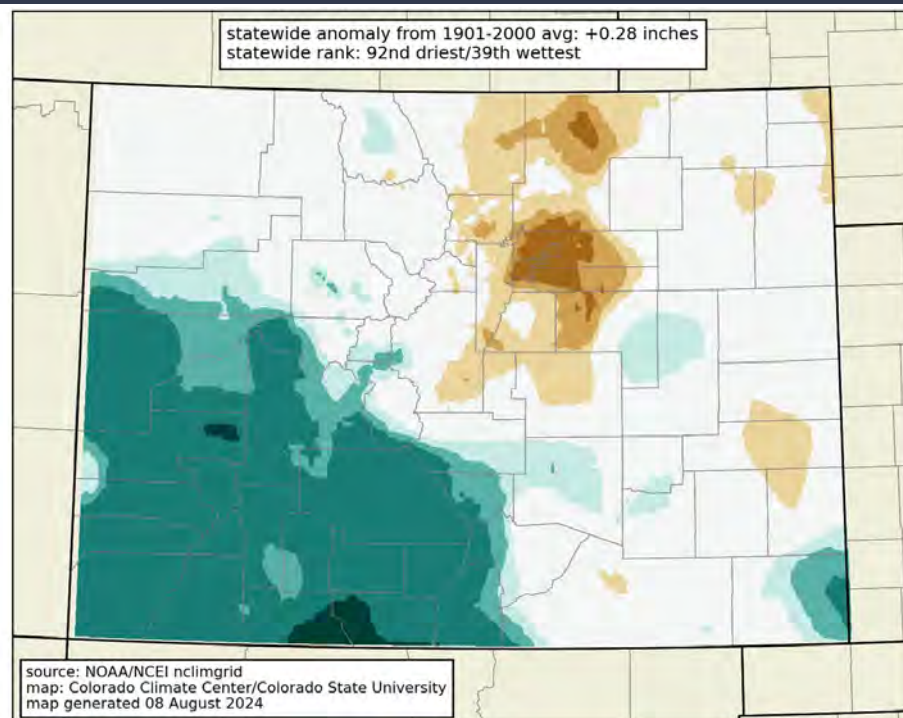
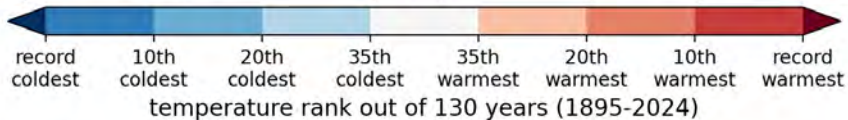
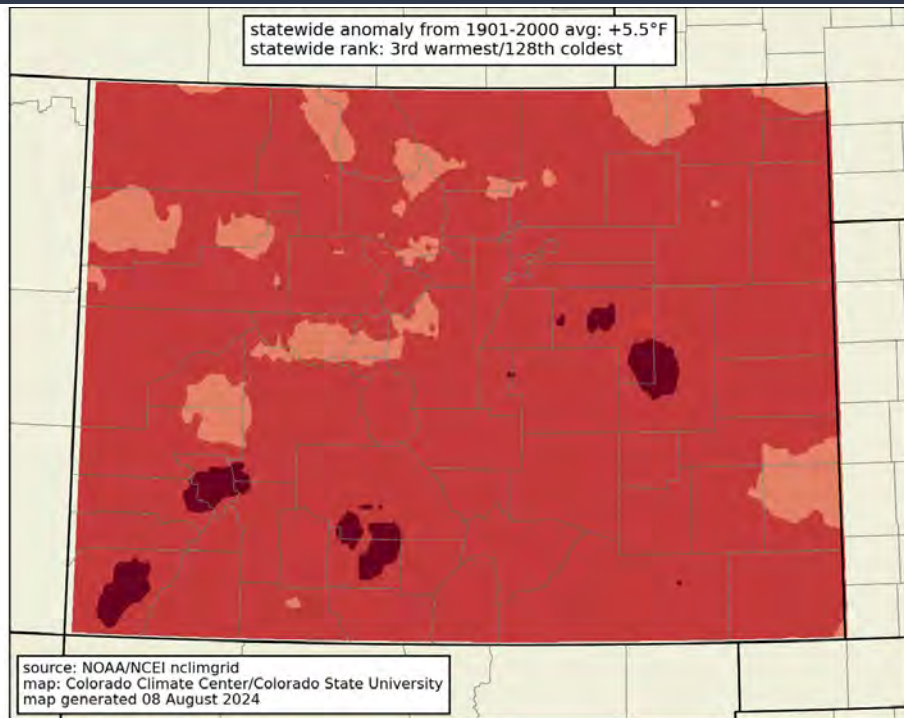




# Temperature/Precipitation Rank: May 2024

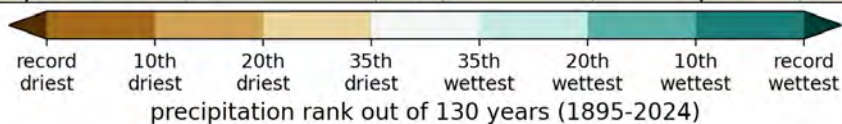
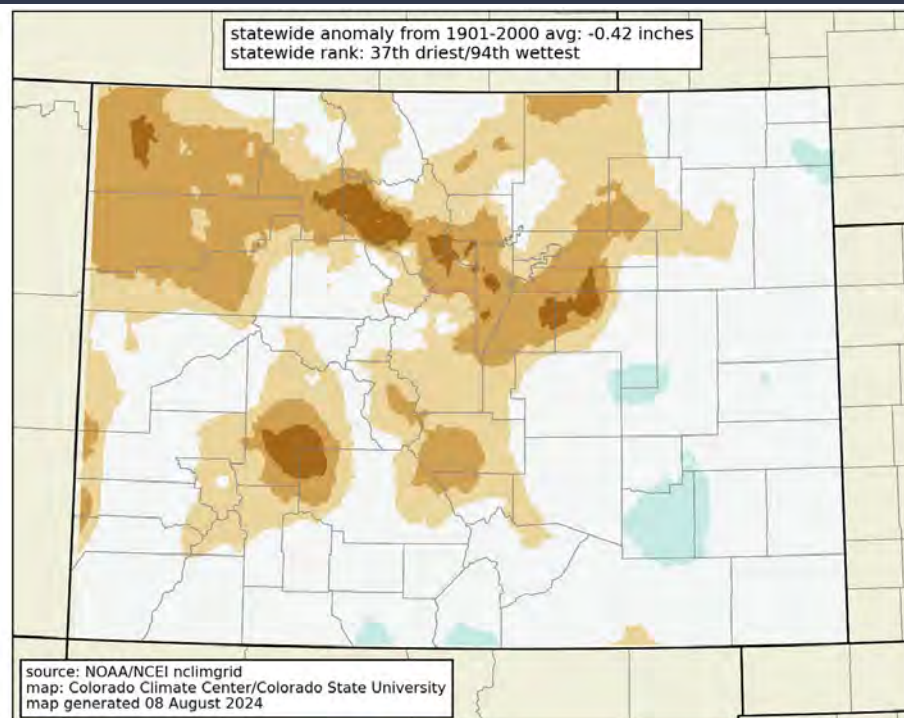
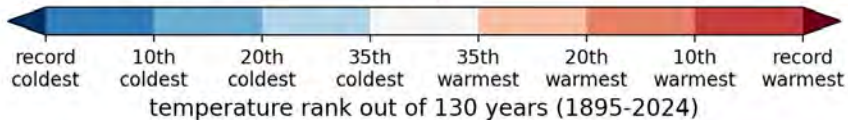
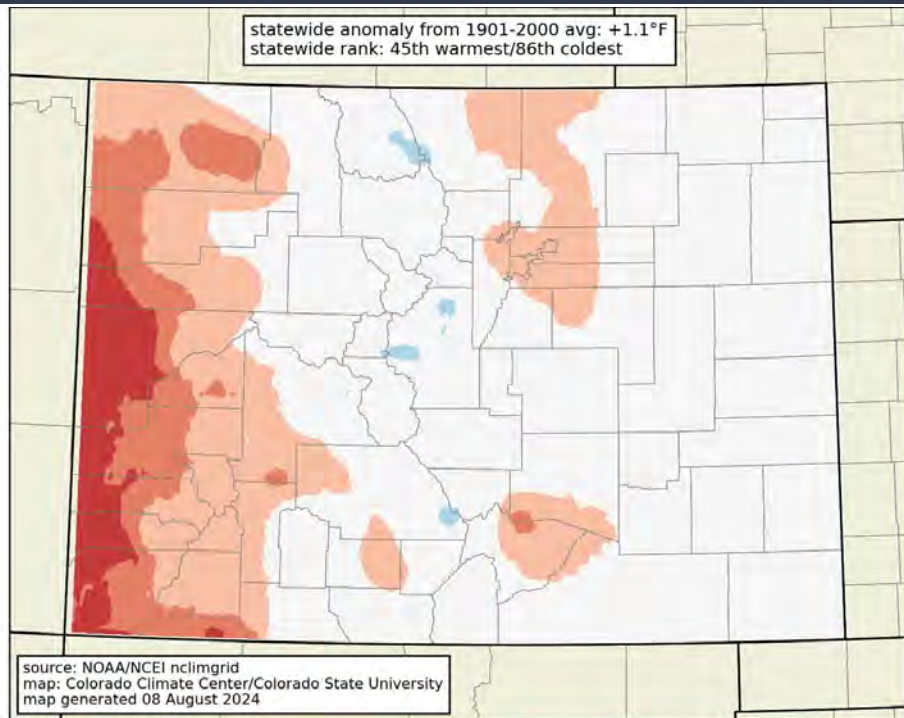


# Temperature/Precipitation Rank: June 2024



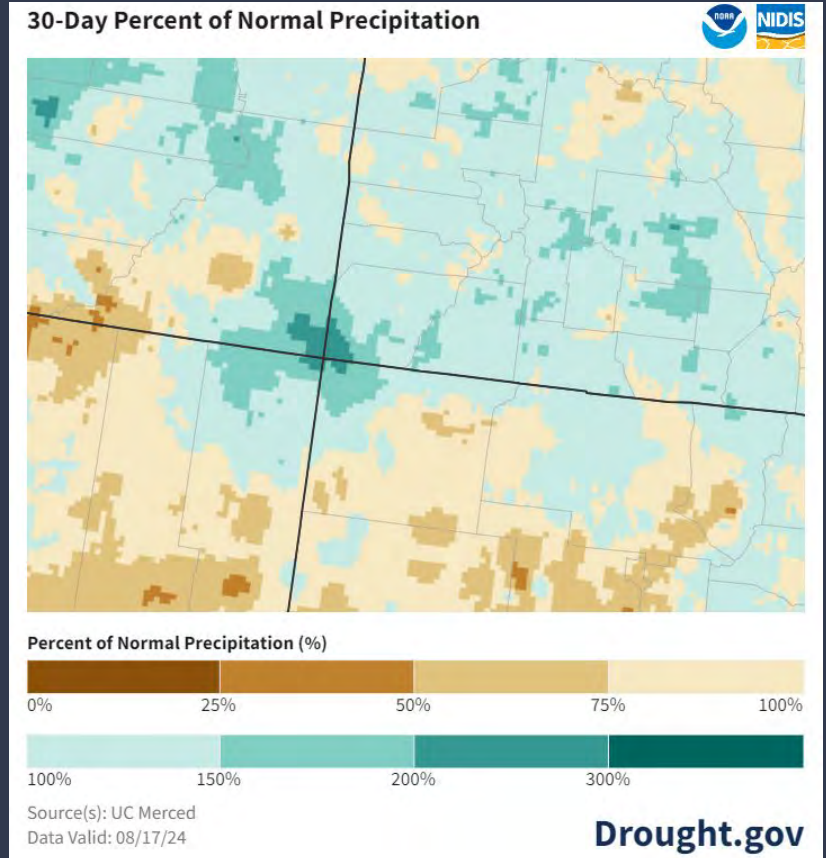
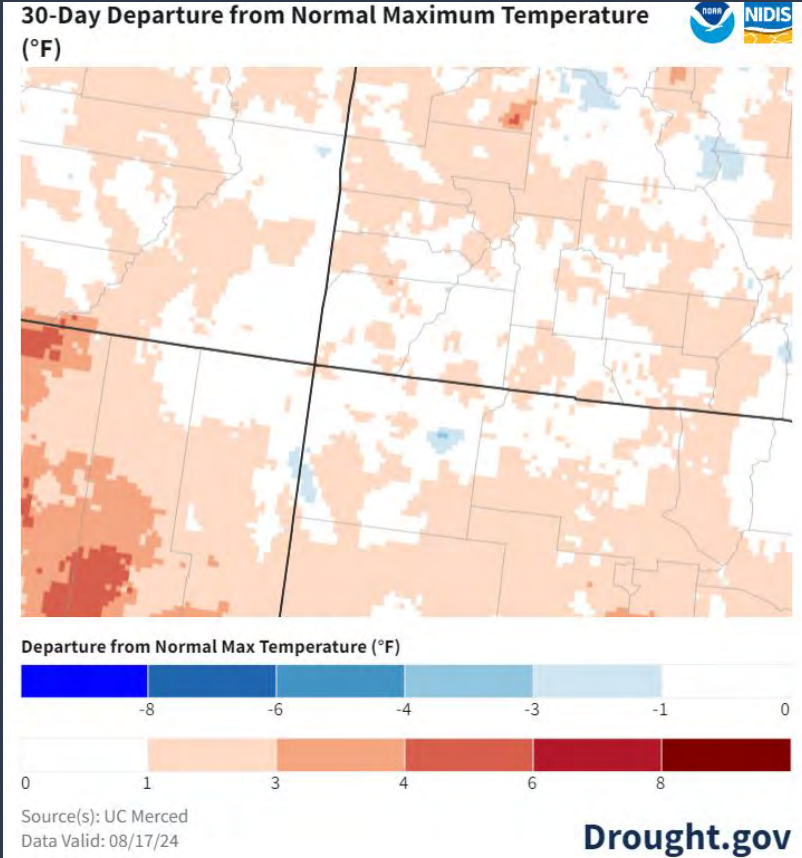


# Temperature/Precipitation Rank: July 2024



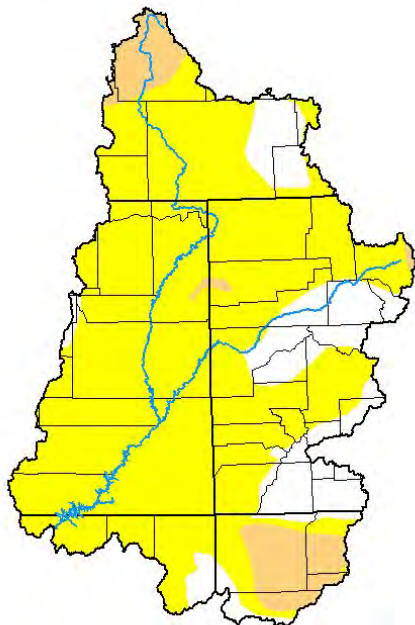


# Recent Temp/Precipitation:



# Drought Monitor

## U.S. Drought Monitor Upper Colorado Watershed



**August 13, 2024**  
(Released Thursday, Aug. 15, 2024)  
Valid 8 a.m. EDT

Drought Conditions (Percent Area)

|   | None  | D0-D4 | D1-D4 | D2-D4 | D3-D4 | D4   |
|---|-------|-------|-------|-------|-------|------|
| <b>Current</b>                              | 16.40 | 83.60 | 8.08  | 0.01  | 0.00  | 0.00 |
| <b>Last Week</b><br>08-06-2024              | 14.76 | 85.24 | 8.82  | 0.01  | 0.00  | 0.00 |
| <b>3 Months Ago</b><br>05-14-2024           | 52.61 | 47.39 | 9.22  | 1.10  | 0.00  | 0.00 |
| <b>Start of Calendar Year</b><br>01-02-2024 | 32.84 | 67.16 | 36.31 | 12.22 | 5.28  | 0.00 |
| <b>Start of Water Year</b><br>09-26-2023    | 47.51 | 52.49 | 25.39 | 8.75  | 3.15  | 0.00 |
| <b>One Year Ago</b><br>08-15-2023           | 46.97 | 53.03 | 25.98 | 2.00  | 0.00  | 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>

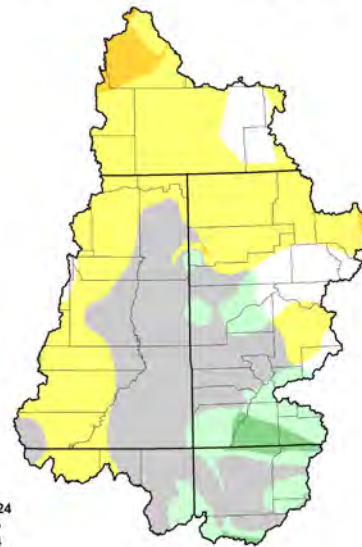
Author:

Curtis Riganti  
National Drought Mitigation Center



[droughtmonitor.unl.edu](https://droughtmonitor.unl.edu)

### U.S. Drought Monitor Class Change - Upper Colorado Watershed 12 Week



August 13, 2024  
compared to  
May 21, 2024

[droughtmonitor.unl.edu](https://droughtmonitor.unl.edu)



- 5 Class Degradation
- 4 Class Degradation
- 3 Class Degradation
- 2 Class Degradation
- 1 Class Degradation
- No Change
- 1 Class Improvement
- 2 Class Improvement
- 3 Class Improvement
- 4 Class Improvement
- 5 Class Improvement

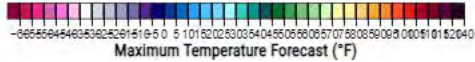
# Short Term Forecast



# 7-Day Forecast Over Southwest Colorado

## Maximum Temperature Forecast (°F)

|                        | 8/20<br>Tue |     | 8/21<br>Wed |     |      |     | 8/22<br>Thu |     |      |     | 8/23<br>Fri |     |      |     | 8/24<br>Sat |     |      |     | 8/25<br>Sun |     |      |     | 8/26<br>Mon |     |      |     | 8/27<br>Tue |     |      |     | Maximum |
|------------------------|-------------|-----|-------------|-----|------|-----|-------------|-----|------|-----|-------------|-----|------|-----|-------------|-----|------|-----|-------------|-----|------|-----|-------------|-----|------|-----|-------------|-----|------|-----|---------|
|                        | 12pm        | 6pm | 12am        | 6am | 12pm | 6pm | 12am        | 6am | 12pm | 6pm | 12am        | 6am | 12pm | 6pm | 12am        | 6am | 12pm | 6pm | 12am        | 6am | 12pm | 6pm | 12am        | 6am | 12pm | 6pm | 12am        | 6am | 12pm | 6pm |         |
| Columbine Basin SNOTEL | 63          | 60  | 49          | 58  | 61   | 57  | 46          | 48  | 54   | 50  | 43          | 46  | 53   | 49  | 42          | 47  | 52   | 49  | 42          | 47  | 54   | 52  | 41          | 52  | 57   | 54  | 43          | 53  | 58   | 55  | 63      |
| Dolores                | 86          | 83  | 61          | 77  | 84   | 81  | 60          | 70  | 77   | 75  | 56          | 69  | 76   | 75  | 56          | 68  | 76   | 74  | 54          | 66  | 76   | 74  | 53          | 70  | 79   | 77  | 53          | 72  | 81   | 79  | 86      |
| Durango                | 90          | 85  | 65          | 81  | 89   | 84  | 62          | 76  | 82   | 78  | 60          | 71  | 80   | 76  | 58          | 71  | 80   | 76  | 57          | 71  | 80   | 78  | 56          | 74  | 84   | 80  | 58          | 76  | 84   | 81  | 90      |
| Farmington             | 94          | 90  | 74          | 84  | 93   | 88  | 72          | 75  | 82   | 79  | 68          | 74  | 83   | 80  | 68          | 75  | 84   | 83  | 68          | 73  | 84   | 84  | 67          | 74  | 86   | 85  | 67          | 75  | 86   | 87  | 94      |
| Miller Mtn             | 64          | 63  | 51          | 60  | 62   | 60  | 50          | 55  | 56   | 54  | 48          | 51  | 54   | 53  | 45          | 50  | 54   | 52  | 45          | 49  | 55   | 54  | 44          | 54  | 58   | 58  | 46          | 56  | 58   | 58  | 64      |
| Pagosa Springs         | 87          | 82  | 63          | 78  | 86   | 80  | 61          | 75  | 81   | 73  | 59          | 70  | 78   | 73  | 57          | 69  | 78   | 73  | 57          | 69  | 78   | 75  | 55          | 72  | 81   | 78  | 56          | 73  | 82   | 77  | 87      |
| Silverton              | 77          | 74  | 52          | 70  | 73   | 67  | 50          | 64  | 68   | 63  | 48          | 62  | 68   | 64  | 47          | 62  | 67   | 64  | 47          | 63  | 69   | 67  | 44          | 65  | 72   | 69  | 46          | 66  | 72   | 69  | 77      |
| Wolf Creek Summit      | 66          | 63  | 52          | 62  | 65   | 62  | 51          | 57  | 60   | 55  | 49          | 53  | 57   | 54  | 47          | 52  | 57   | 55  | 47          | 52  | 57   | 55  | 46          | 55  | 61   | 59  | 47          | 55  | 60   | 58  | 66      |



# 7-Day Forecast Over Southwest Colorado

## Rain Forecast Ranges (inches)

|                        | 8/20<br>Tue |      | 8/21<br>Wed |      |      |      | 8/22<br>Thu |         |         |         | 8/23<br>Fri |      |         |         | 8/24<br>Sat |         |         |         | 8/25<br>Sun |      |      |     | 8/26<br>Mon |     |      |     | 8/27<br>Tue |       |         |        |
|------------------------|-------------|------|-------------|------|------|------|-------------|---------|---------|---------|-------------|------|---------|---------|-------------|---------|---------|---------|-------------|------|------|-----|-------------|-----|------|-----|-------------|-------|---------|--------|
|                        | 12pm        | 6pm  | 12am        | 6am  | 12pm | 6pm  | 12am        | 6am     | 12pm    | 6pm     | 12am        | 6am  | 12pm    | 6pm     | 12am        | 6am     | 12pm    | 6pm     | 12am        | 6am  | 12pm | 6pm | 12am        | 6am | 12pm | 6pm | 12am        | Total |         |        |
| Columbine Basin SNOTEL | 0           | 0    | 0           | 0    | <.1" | <.1" | .1-.25"     | .1-.25" | .1-.25" | .1-.25" | .1-.25"     | <.1" | .1-.25" | .25-.5" | .1-.25"     | .1-.25" | .1-.25" | .1-.25" | 0           | 0    | <.1" | 0   | 0           | 0   | 0    | 0   | 0           | 0     | 2-3"    |        |
| Dolores                | 0           | 0    | 0           | 0    | <.1" | <.1" | <.1"        | <.1"    | .1-.25" | .1-.25" | <.1"        | <.1" | <.1"    | .1-.25" | .1-.25"     | <.1"    | <.1"    | <.1"    | 0           | 0    | <.1" | 0   | 0           | 0   | 0    | 0   | 0           | 0     | .5-1"   |        |
| Durango                | 0           | 0    | 0           | 0    | <.1" | <.1" | <.1"        | <.1"    | <.1"    | .1-.25" | .1-.25"     | <.1" | <.1"    | .1-.25" | .1-.25"     | <.1"    | .1-.25" | <.1"    | 0           | 0    | 0    | 0   | 0           | 0   | 0    | 0   | 0           | 0     | 1-1.5"  |        |
| Farmington             | <.1"        | 0    | 0           | 0    | 0    | <.1" | <.1"        | 0       | <.1"    | <.1"    | <.1"        | <.1" | .1-.25" | <.1"    | 0           | 0       | <.1"    | 0       | 0           | 0    | 0    | 0   | 0           | 0   | 0    | 0   | 0           | 0     | .25-.5" |        |
| Miller Mtn             | <.1"        | 0    | 0           | 0    | <.1" | <.1" | <.1"        | <.1"    | .1-.25" | .1-.25" | <.1"        | <.1" | .1-.25" | .1-.25" | .1-.25"     | <.1"    | .1-.25" | <.1"    | <.1"        | <.1" | <.1" | 0   | 0           | 0   | 0    | 0   | 0           | 0     | 0       | 1.5-2" |
| Pagosa Springs         | 0           | 0    | 0           | 0    | <.1" | <.1" | <.1"        | 0       | .1-.25" | <.1"    | <.1"        | <.1" | .1-.25" | .1-.25" | <.1"        | <.1"    | .1-.25" | <.1"    | 0           | <.1" | <.1" | 0   | 0           | 0   | 0    | 0   | 0           | 0     | 0       | .5-1"  |
| Silverton              | <.1"        | 0    | 0           | <.1" | <.1" | <.1" | <.1"        | <.1"    | .1-.25" | .1-.25" | <.1"        | <.1" | <.1"    | .1-.25" | <.1"        | <.1"    | .1-.25" | <.1"    | 0           | <.1" | <.1" | 0   | 0           | 0   | 0    | 0   | 0           | 0     | 0       | 1-1.5" |
| Wolf Creek Summit      | <.1"        | <.1" | 0           | 0    | <.1" | <.1" | <.1"        | 0       | .1-.25" | <.1"    | <.1"        | <.1" | .1-.25" | .1-.25" | .1-.25"     | <.1"    | .1-.25" | <.1"    | 0           | 0    | <.1" | 0   | 0           | 0   | 0    | 0   | 0           | 0     | 0       | 1-1.5" |



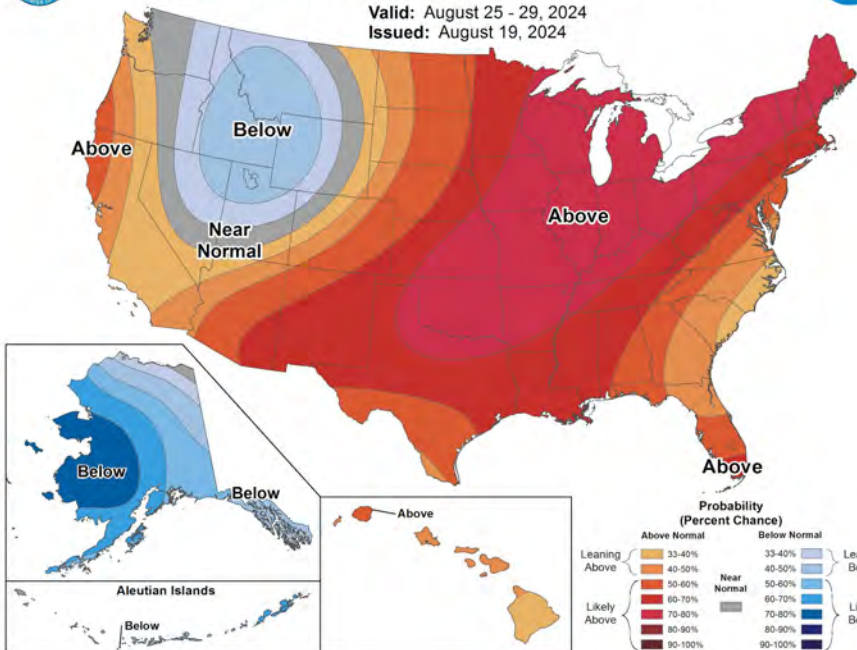
# 6 to 10 Day Outlook

Climate Prediction Center



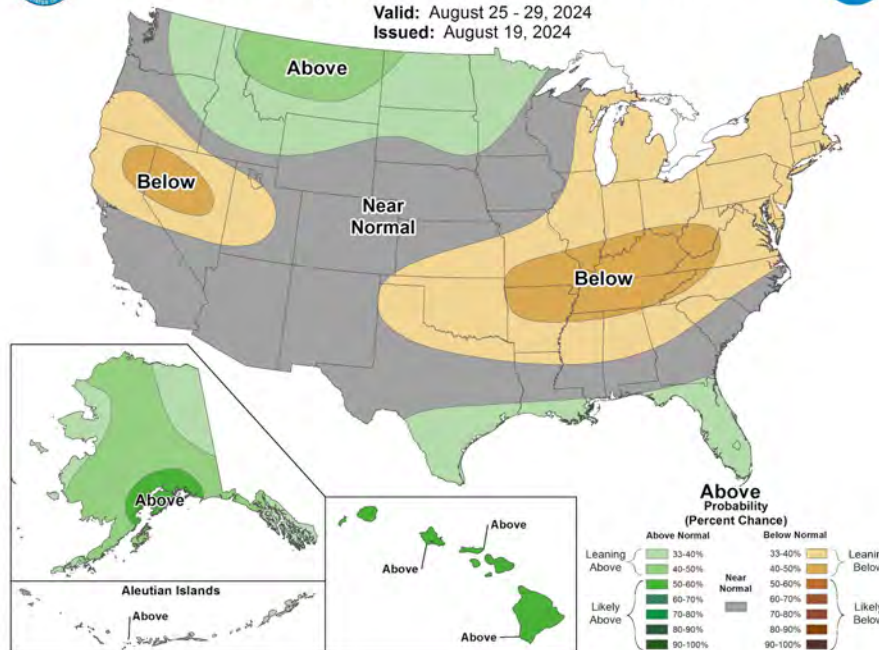
## 6-10 Day Temperature Outlook

Valid: August 25 - 29, 2024  
Issued: August 19, 2024



## 6-10 Day Precipitation Outlook

Valid: August 25 - 29, 2024  
Issued: August 19, 2024





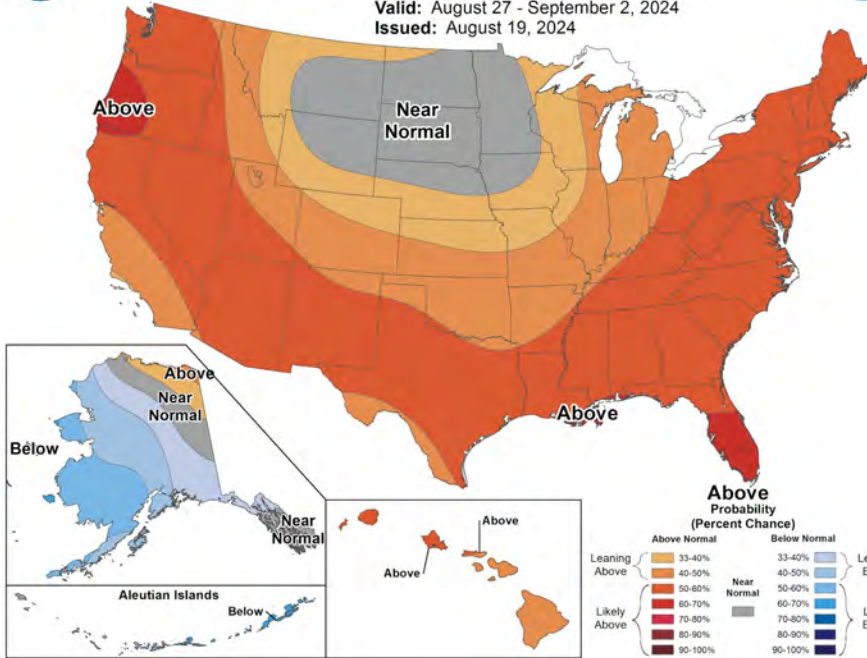
# 8 to 14 Day Outlook

Climate Prediction Center



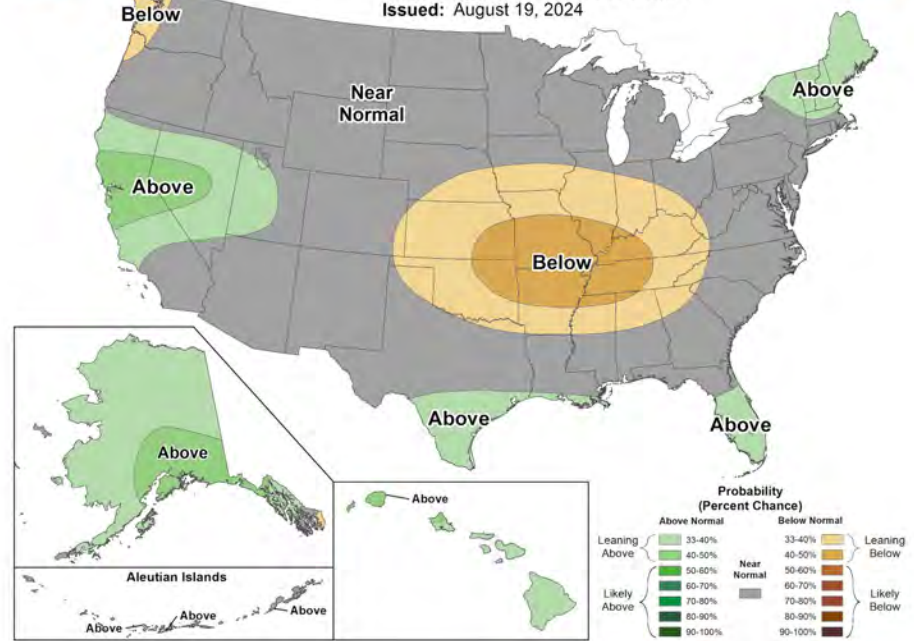
## 8-14 Day Temperature Outlook

Valid: August 27 - September 2, 2024  
Issued: August 19, 2024



## 8-14 Day Precipitation Outlook

Valid: August 27 - September 2, 2024  
Issued: August 19, 2024



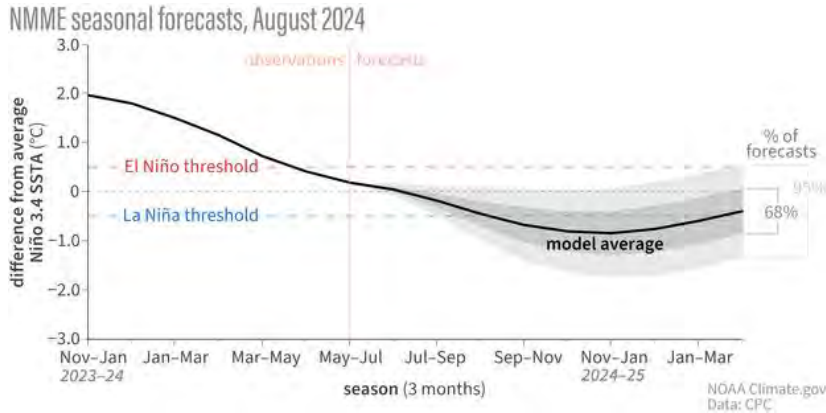
# Fall/Winter Outlook

Seasonal & Subseasonal

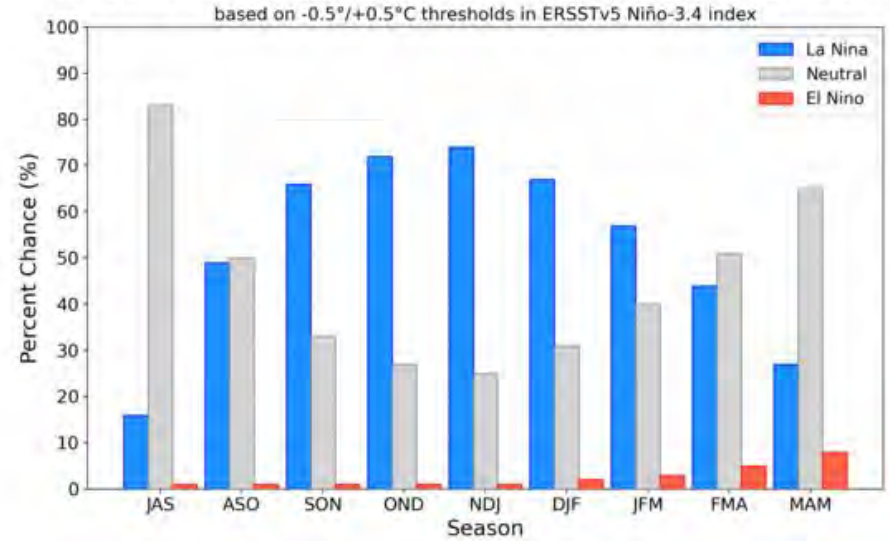
# La Niña Watch

Climate models/forecasts have been trending toward a **weaker & delayed** development of **La Niña**

Model consensus: **La Niña** will likely form this year and last through winter

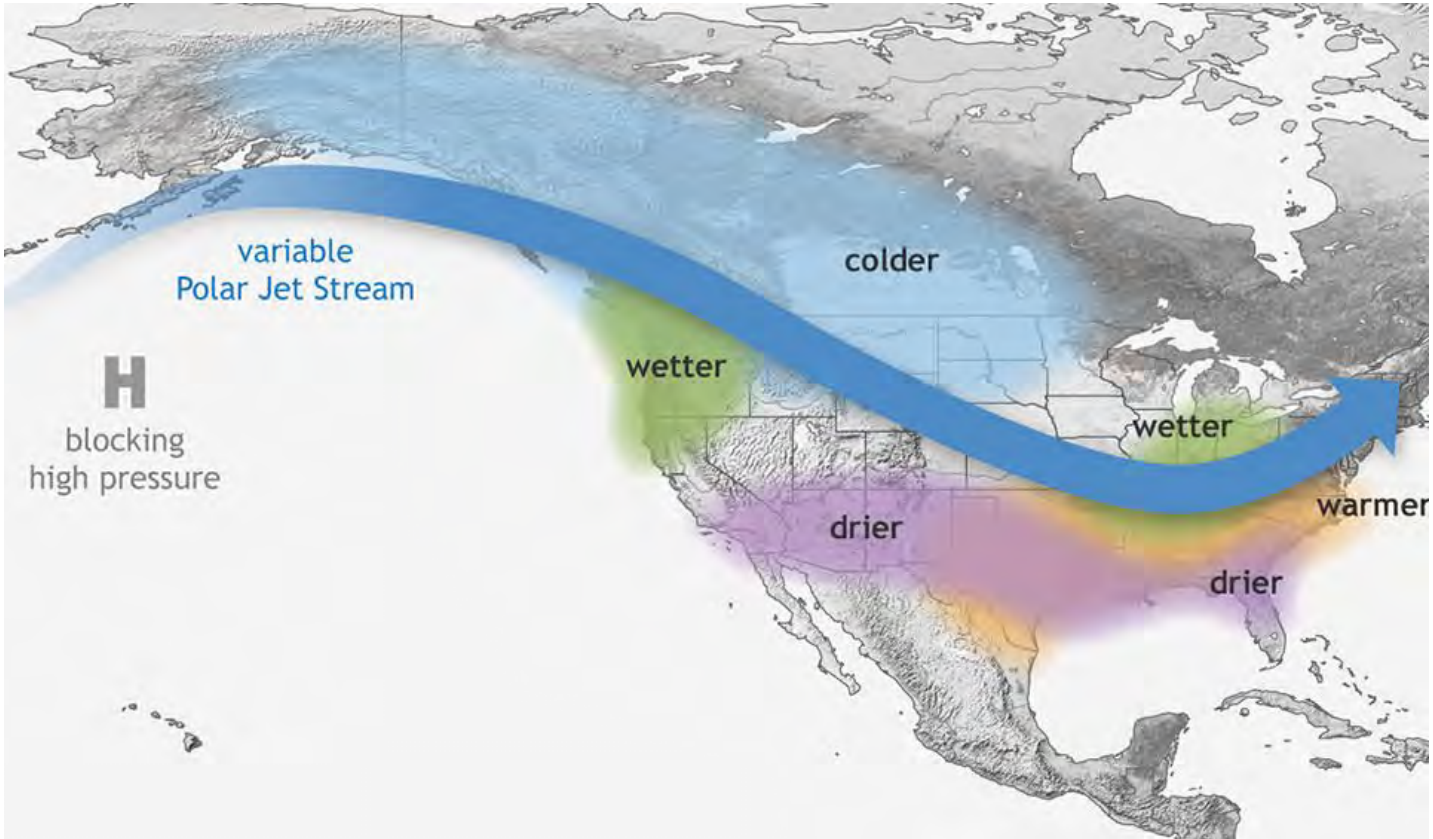


## Official NOAA CPC ENSO Probabilities (issued August 2024)



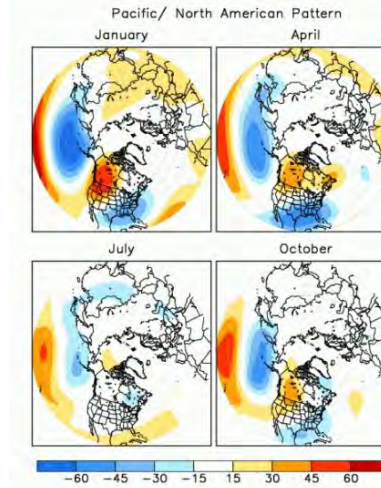


# La Niña Watch

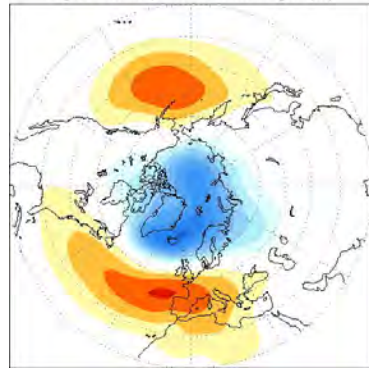


# But don't forget the other oscillations!

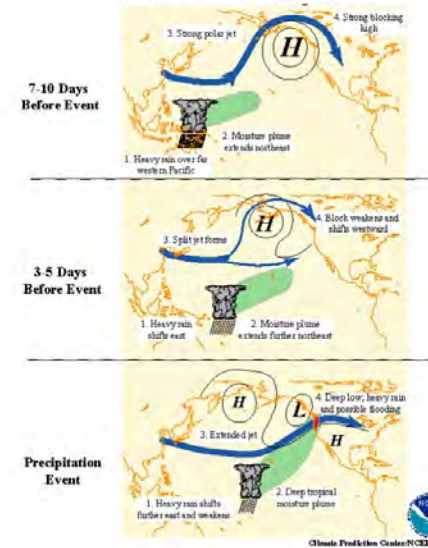
- Madden / Julian oscillation (MJO)
  - 30-60 day cycle
  - Influence the ENSO cycle intensity & development
  - In the US: **increase the frequency & intensity of heavy precip event along the West Coast (i.e. Atmospheric River events)**
- Pacific / North American Pattern (PNA)
  - Influences the main path for winter storms moving inland across the west
- North Atlantic Oscillation (NAO)
  - Mainly impacts eastern US but can have rippling effects upstream
- Arctic Oscillation (AO)



Leading EOF (19%) shown as regression map of 1000mb height (m)



Typical Wintertime Weather Anomalies Preceding Heavy West Coast Precipitation Events



# Seasonal Outlook

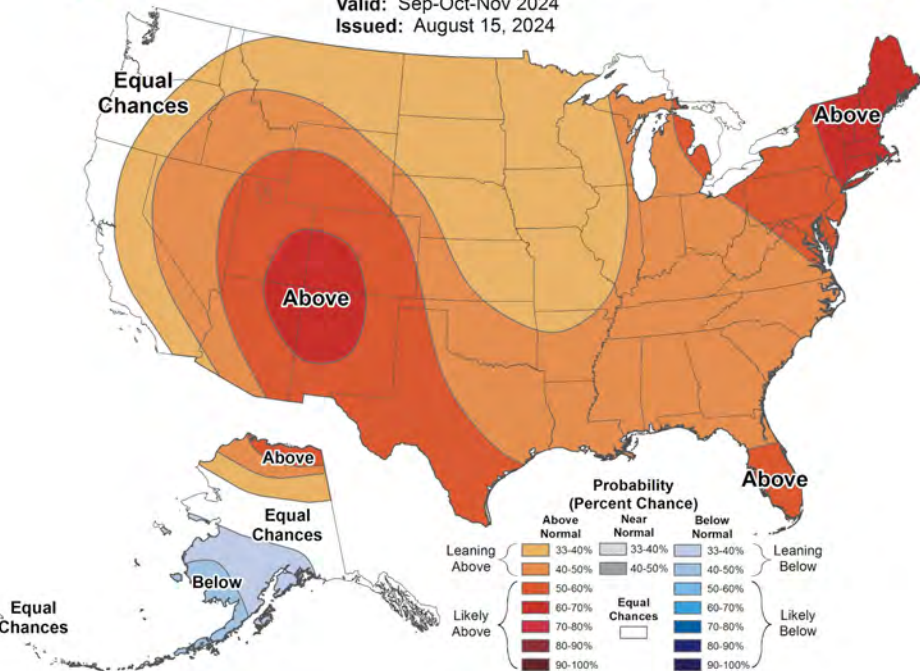
Climate Prediction Center



## Seasonal Temperature Outlook



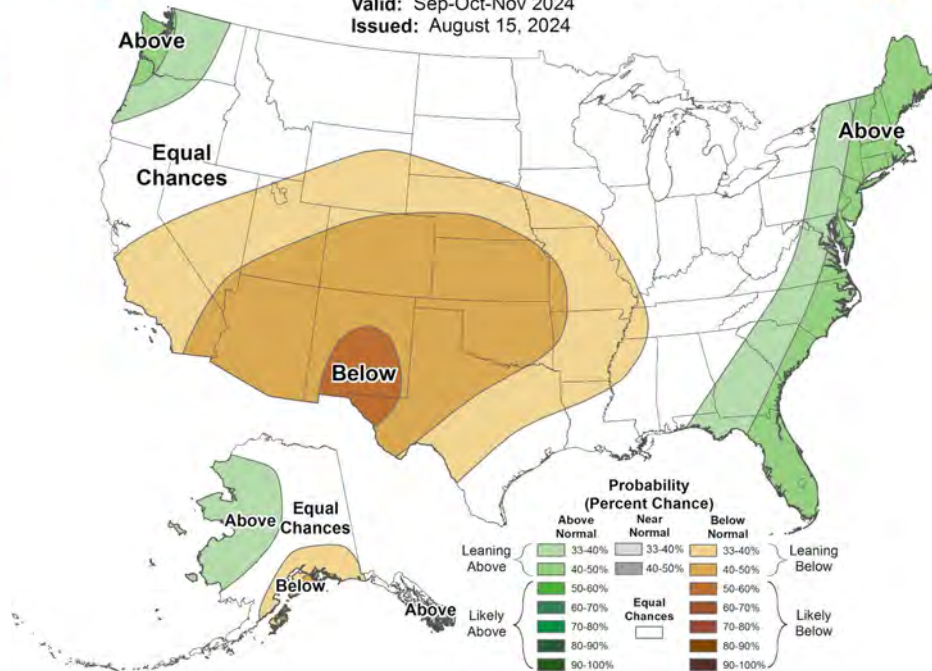
Valid: Sep-Oct-Nov 2024  
Issued: August 15, 2024



## Seasonal Precipitation Outlook



Valid: Sep-Oct-Nov 2024  
Issued: August 15, 2024





# Seasonal Outlook

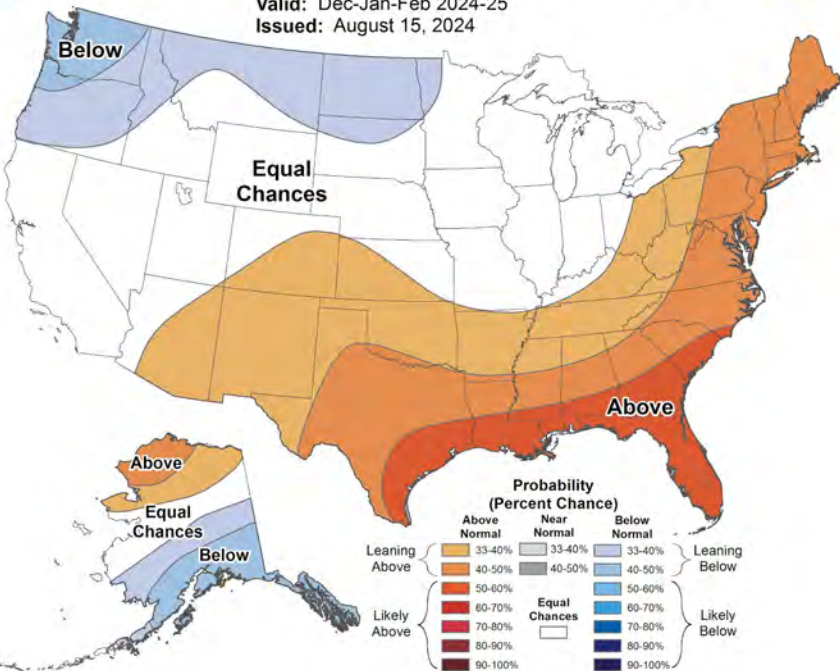
Climate Prediction Center



## Seasonal Temperature Outlook



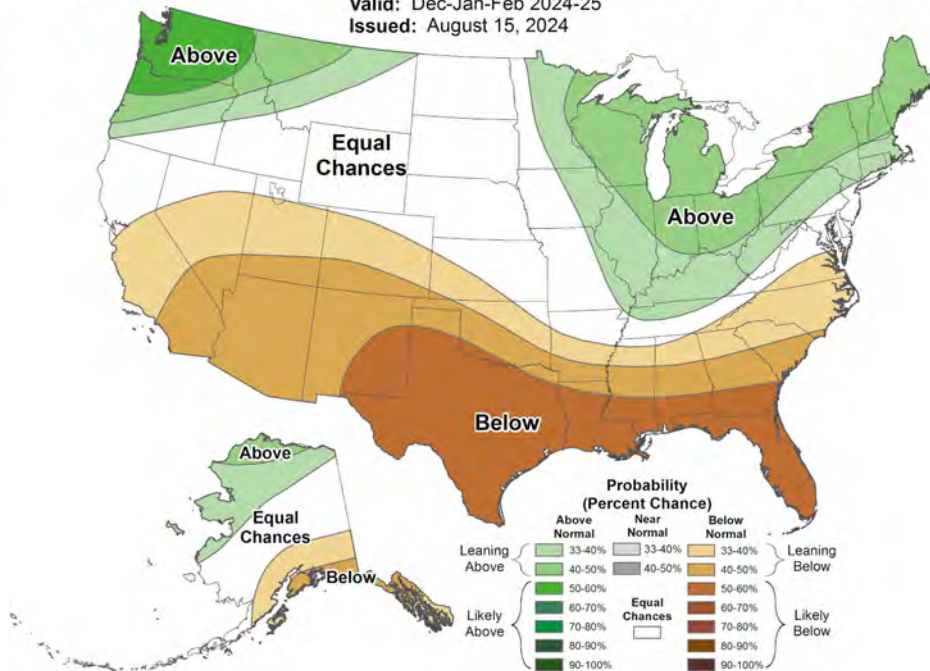
Valid: Dec-Jan-Feb 2024-25  
Issued: August 15, 2024



## Seasonal Precipitation Outlook



Valid: Dec-Jan-Feb 2024-25  
Issued: August 15, 2024



# Thank You!

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cell phone: 720-384-7792



# Navajo Operations Meeting

## August 20, 2024

# Water Year 2024

## Runoff Review

Wolfgang Hanft  
Hydrometeorologist  
Colorado Basin River Forecast Center  
National Weather Service/NOAA





- Water Year 2024 Hydrologic Conditions Summary
  - Soil Moisture
  - Precipitation
  - Snow
- 2024 Water Supply Forecast Evolution
- 2024 Water Supply Forecast Performance
- August conditions

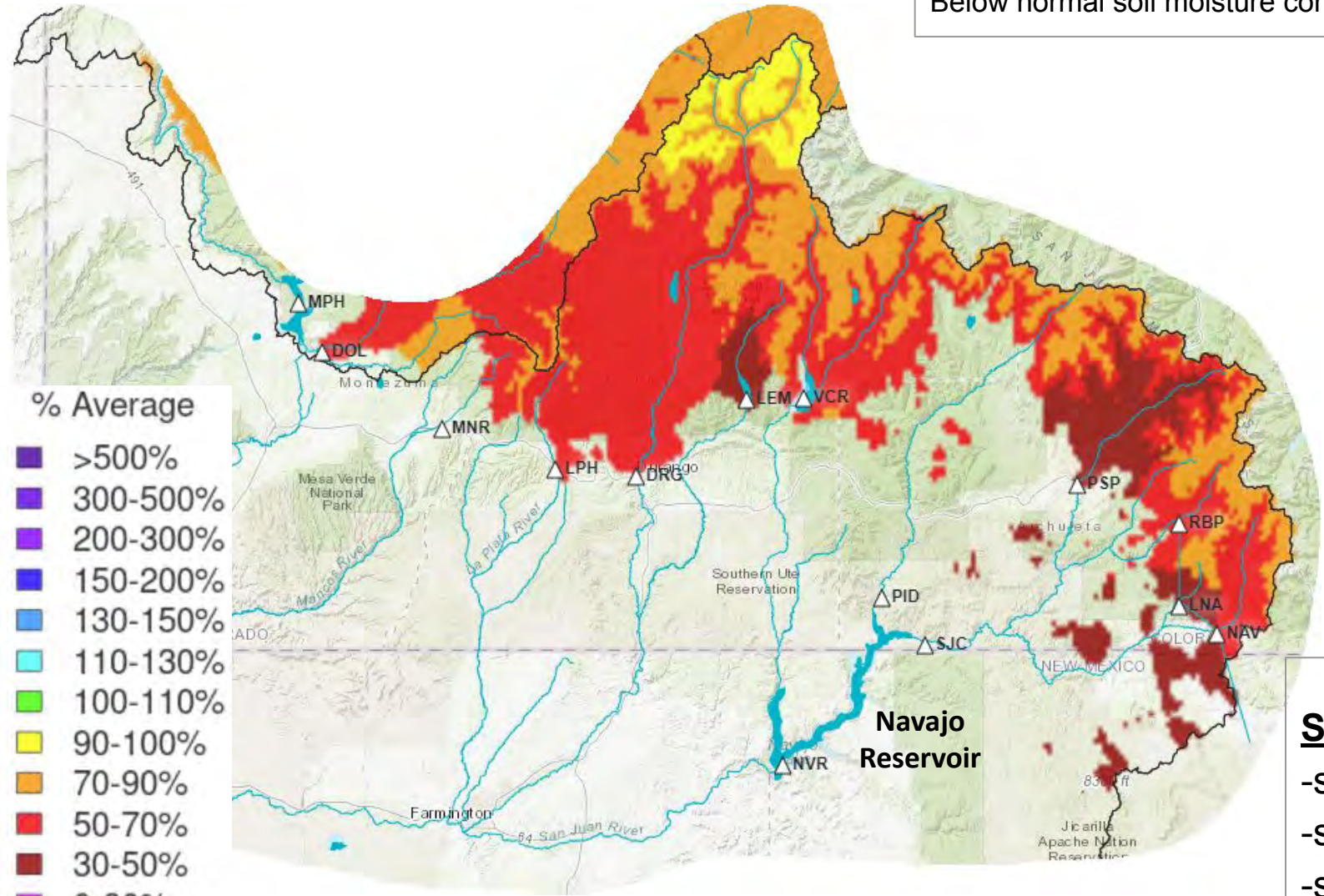
# Fall 2023 (Antecedent) Model Soil Moisture Conditions

## Soil Moisture - Fall - 2023 (November 15)

Modeled, Averaged by Basin, Major Contributing Areas

### Soil Moisture Impacts on Water Supply / Runoff

Above normal soil moisture conditions → positive impact (increased runoff efficiency)  
Below normal soil moisture conditions → negative impact (decreased runoff efficiency)



San Juan River Basin soil moisture conditions were mostly below average prior to snowpack accumulation/spring runoff.

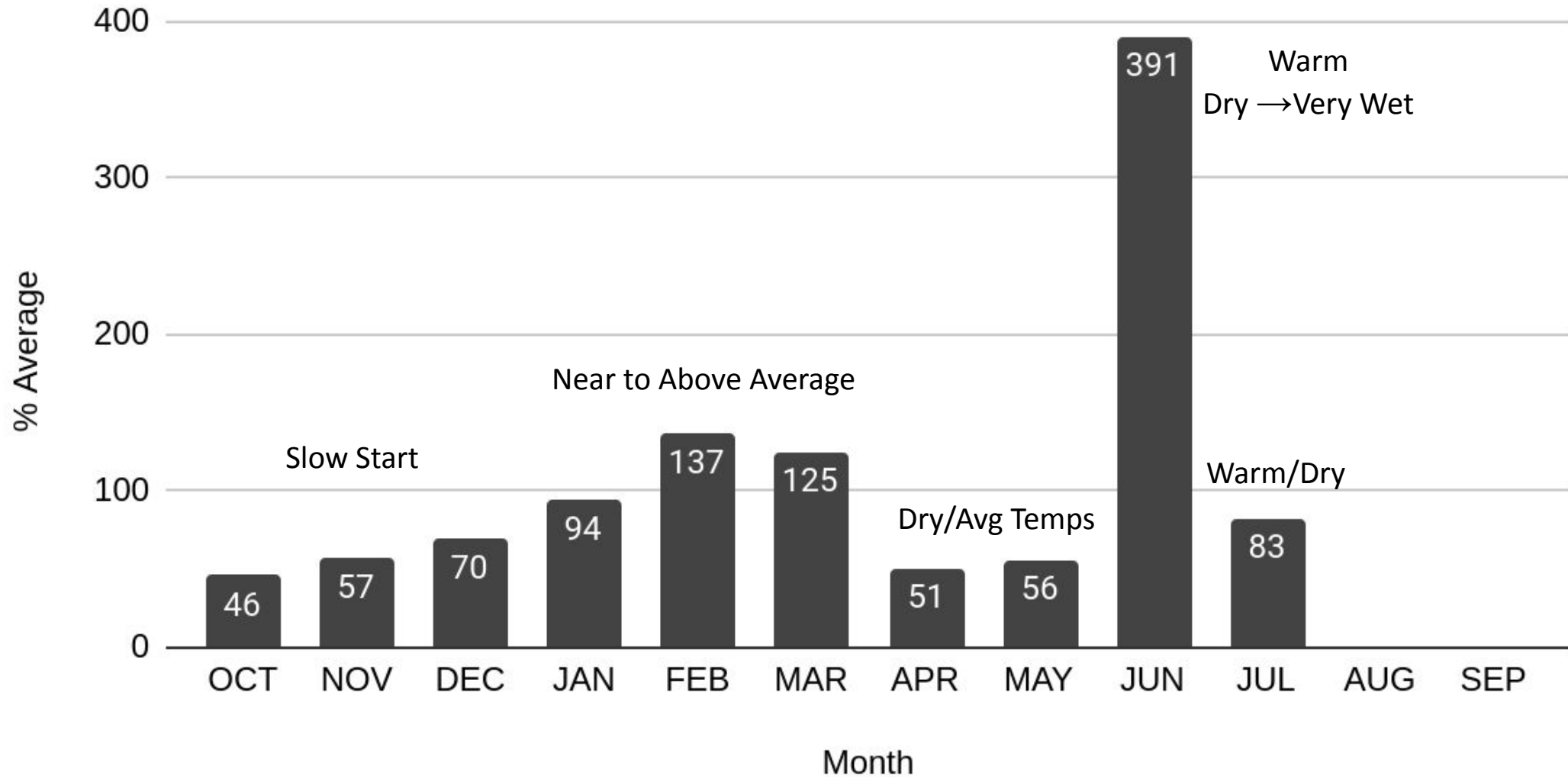
### Spring Runoff Timing/Magnitude Factors

- snowpack conditions
- spring weather
- soil moisture conditions

# Water Year 2024 Precipitation

## San Juan River Basin

Water Year 2024 Monthly Precipitation %Average

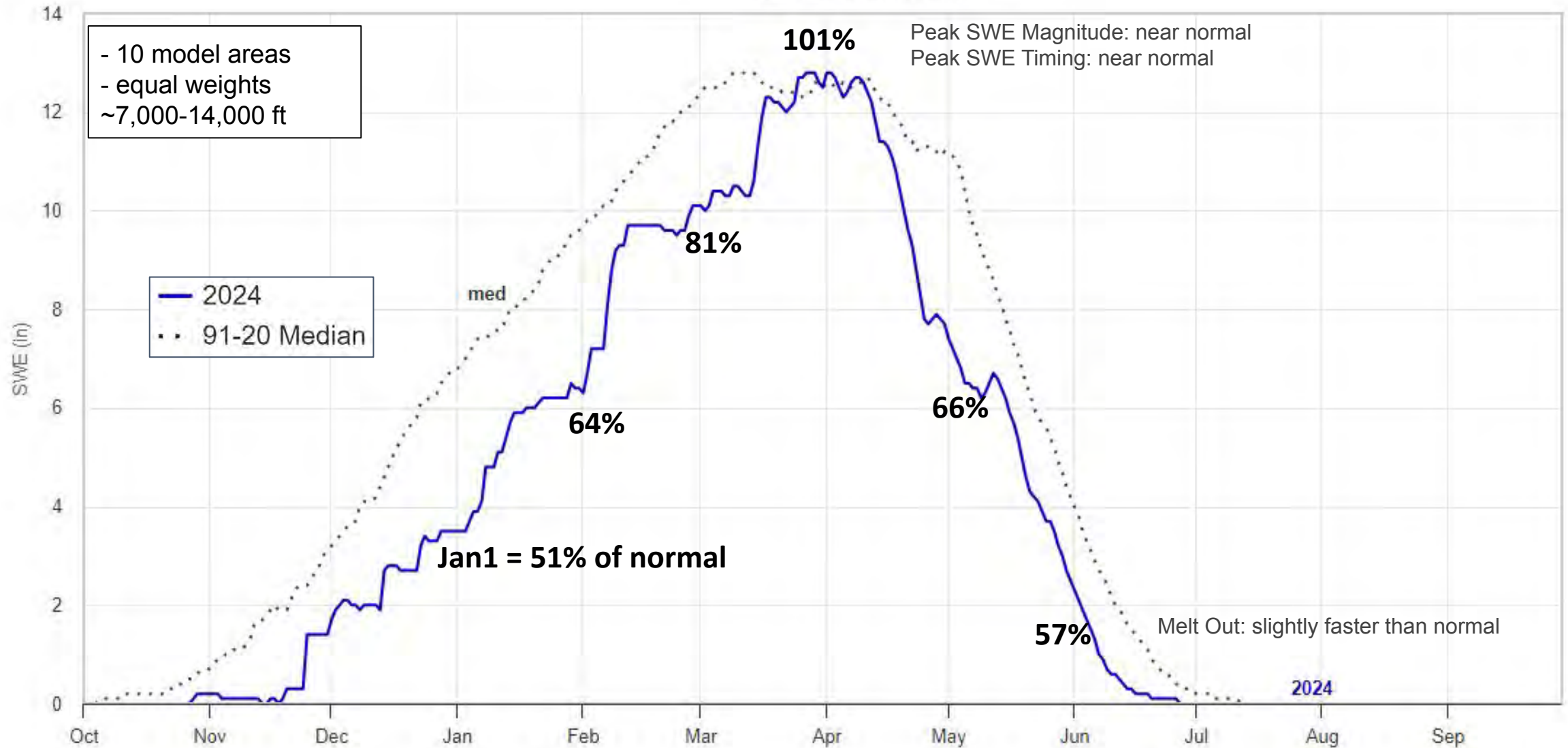




# WY2024 Snow Water Equivalent (SWE) Above Navajo Reservoir

## Model Group SWE Plot

sj\_abv\_nav.swe.2024.csv

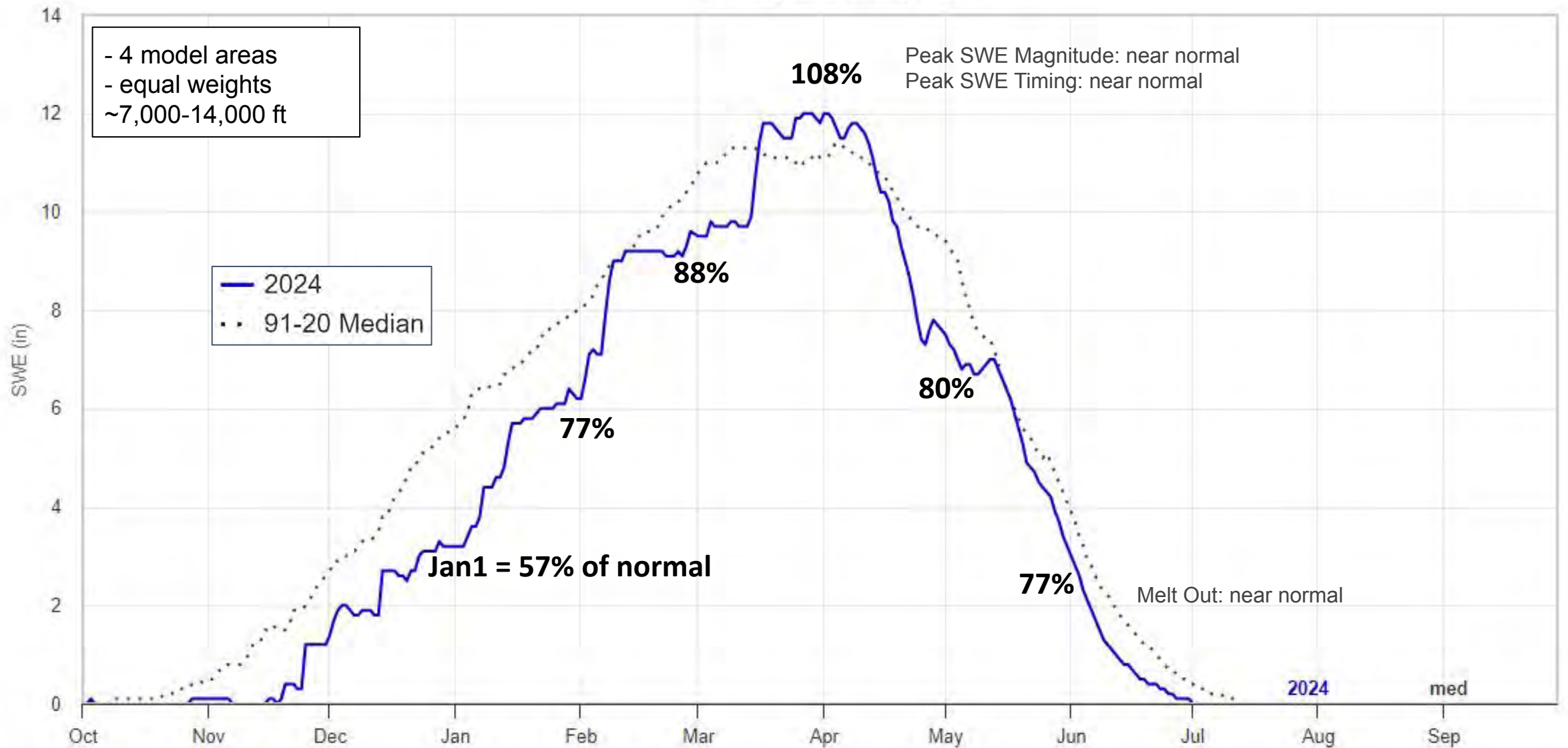


The CBRFC model builds a snowpack based on observed temperature and precipitation data from SNOTEL locations.

# WY2024 Snow Water Equivalent (SWE) Animas-Durango

## Model Group SWE Plot

sj\_animas.swe.2024.csv



The CBRFC model builds a snowpack based on observed temperature and precipitation data from SNOTEL locations.

# San Juan River Basin: 2024 April-July Observed Volumes

-Below average observed volumes across the basin  
 -Best: 92% of average, Worst: 58% of average



| ID                    | Vol  | %Avg | %Med | %ile | Description                                   |
|-----------------------|------|------|------|------|---|
| <a href="#">BFFU1</a> | 871  | 78   | 81   | 32   | San Juan - Bluff Nr                           |
| <a href="#">DRGC2</a> | 275  | 71   | 73   | 21   | Animas - Durango                              |
| <a href="#">LEMC2</a> | 43   | 90   | 96   | 37   | Florida - Lemon Reservoir Durango Nr          |
| <a href="#">LNAC2</a> | 3.5  | 58   | 61   | 25   | Little Navajo - Oso Div Dam BI Chromo Nr      |
| <a href="#">LPHC2</a> | 16.7 | 73   | 76   | 28   | La Plata - Hesperus                           |
| <a href="#">MNRC2</a> | 10.1 | 59   | 65   | 34   | Mancos - Mancos Nr                            |
| <a href="#">NAVC2</a> | 44   | 77   | 79   | 39   | Navajo - Chromo Nr Oso Div Dam Blo            |
| <a href="#">NVRN5</a> | 447  | 71   | 71   | 31   | San Juan - Navajo Reservoir Archuleta Nr      |
| <a href="#">PIDC2</a> | 116  | 64   | 66   | 29   | Piedra - Arboles Nr                           |
| <a href="#">PSPC2</a> | 150  | 77   | 76   | 33   | San Juan - Pagosa Springs                     |
| <a href="#">RBPC2</a> | 37   | 76   | 78   | 43   | Rio Blanco - Pagosa Springs Nr Blanco Dam Blo |
| <a href="#">SJCC2</a> | 237  | 72   | 71   | 32   | San Juan - Carracas Nr                        |
| <a href="#">VCRC2</a> | 163  | 92   | 97   | 43   | Los Pinos - Vallecito Reservoir Bayfield Nr   |

*Note: volumes are unregulated*  
*Note: values are preliminary*

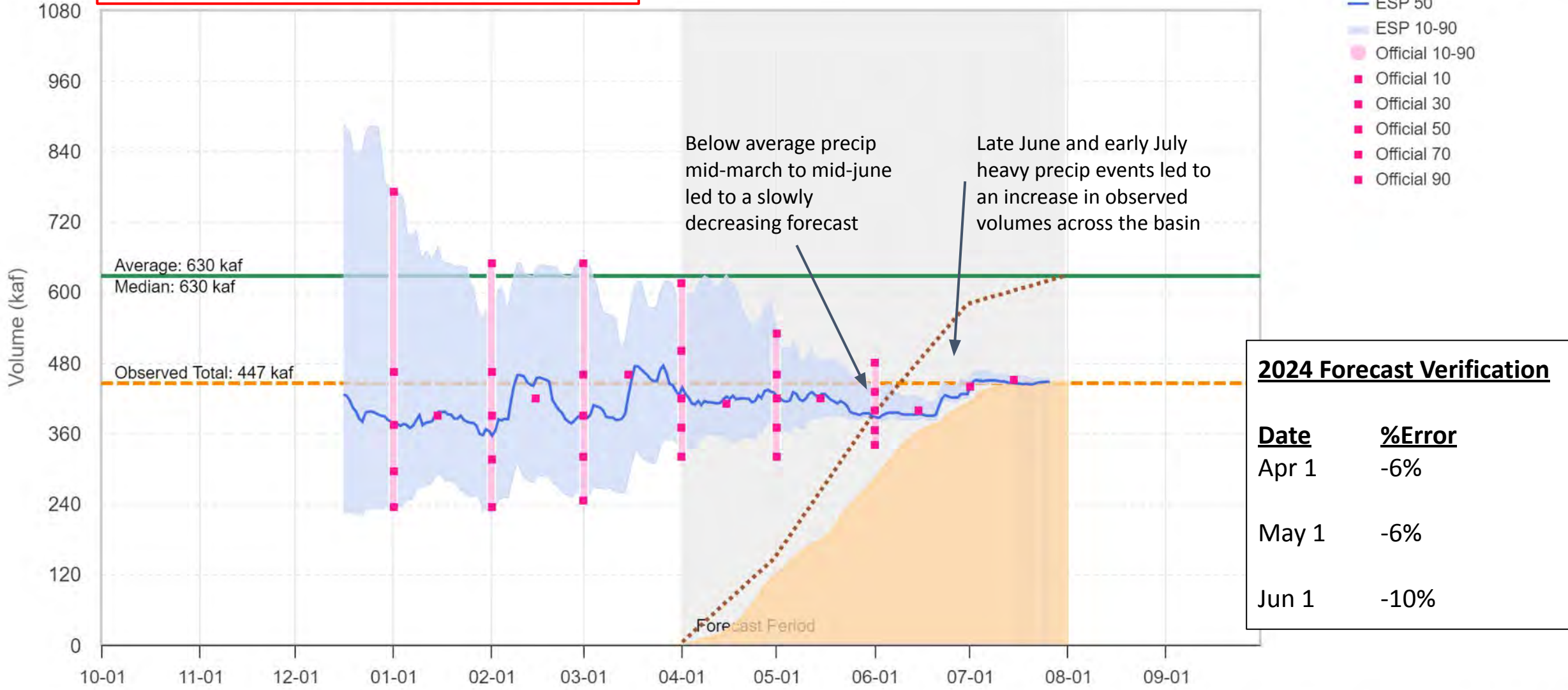


# Water Supply Forecast Evolution: Navajo Reservoir Inflow

## 2024 Water Supply Forecast - San Juan - Navajo Reservoir, Archuleta, Nr (NVRN5)

ESP is Unregulated and No Precipitation Forecast Included  
 Official 50% Fcst (2024-07-15): 450 kaf (71% Avg, 71% Med), (32% of Yrs Below Fcst, 37 Highest Flow / 53 Tot Yrs)  
 ESP 50% Fcst (2024-07-26): 448 kaf (71% Avg, 71% Med), (32% of Yrs Below Fcst, 37 Highest Flow / 53 Tot Yrs)

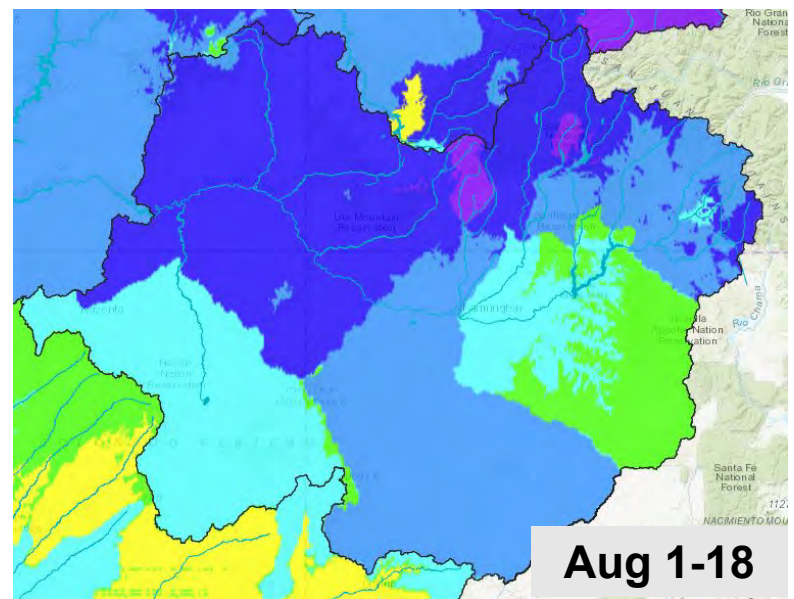
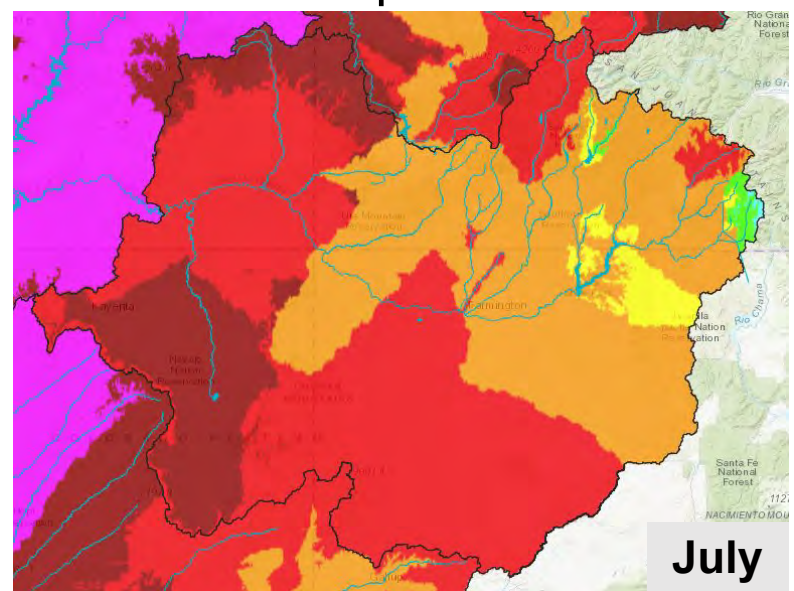
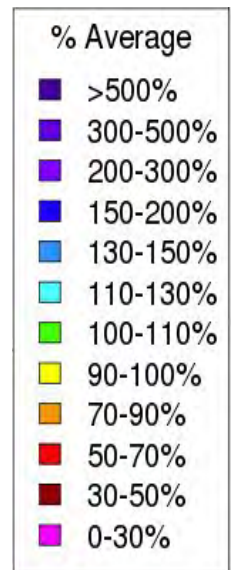
Observed Volume: 447 kaf (71% Average, 71% Median)



| <b>2024 Forecast Verification</b> |               |
|-----------------------------------|---------------|
| <u>Date</u>                       | <u>%Error</u> |
| Apr 1                             | -6%           |
| May 1                             | -6%           |
| Jun 1                             | -10%          |

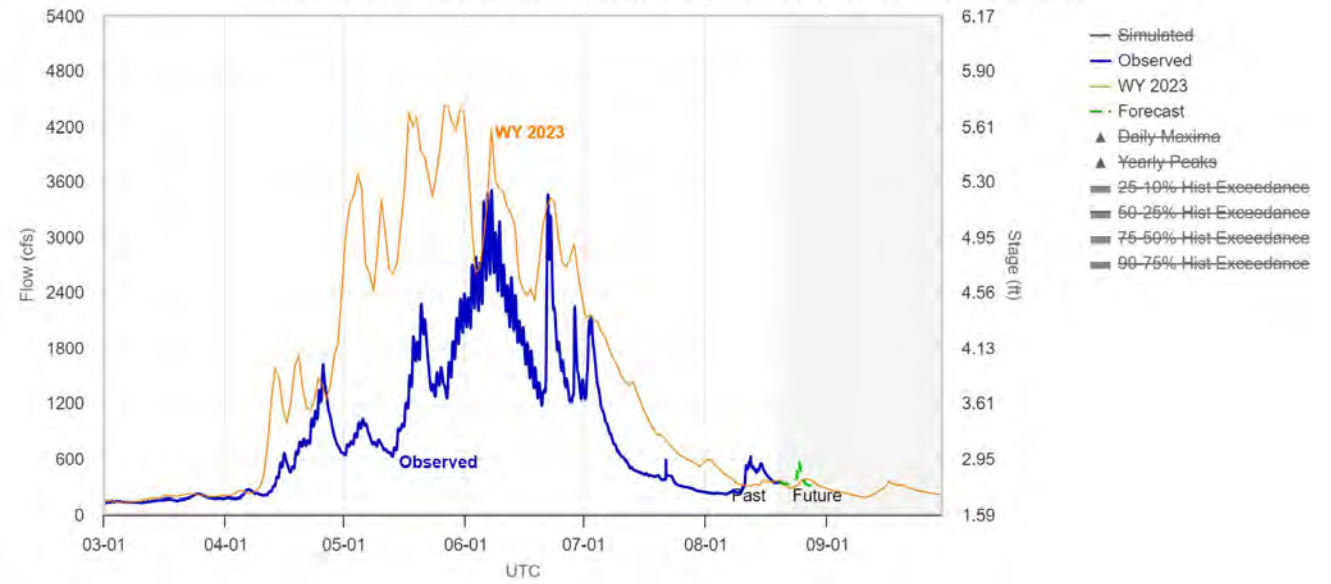
# Late August Conditions

## Precipitation



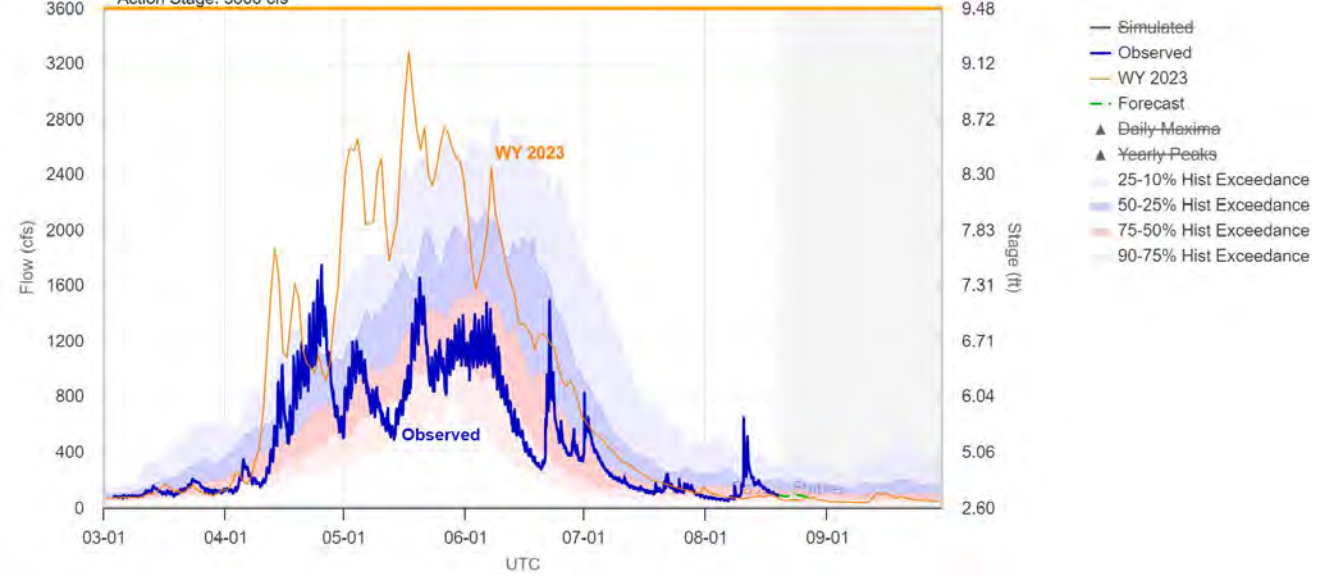
### Forecast Hydrograph - Animas - Durango (DRGC2) - NOAA/CBRFC

Fcst Date: 08/18/15Z - Latest Ob: 2.58 ft, 348 cfs (08/19/12Z) - Flood: 8.0 ft, 10337 cfs - Action: 7.0 ft, 7438 cfs



### Forecast Hydrograph - San Juan - Pagosa Springs (PSPC2) - NOAA/CBRFC

Fcst Date: 08/18/15Z - Latest Ob: 3.74 ft, 89 cfs (08/19/13Z) - Flood: 10.5 ft, 4864 cfs - Action: 9.5 ft, 3600 cfs



# Summary

- Water Supply Conditions:
  - April-July observed unregulated runoff volumes ranged from 58-92% of average.
    - After a slow start, two storms in February and March were critical
    - Near normal snow conditions in terms of peak snowpack and timing
    - Early season water supply forecasts were below normal due to very dry fall soil conditions
  - Current conditions
    - Monsoon activity has been mixed
      - Very wet end to June, hot and dry July, very active start to August
    - Streamflows have returned to near normal to below normal.
- Water Supply Forecasts
  - Forecasts increased from February to March due to precipitation, then decreased into June due to very dry conditions
  - Late season forecasts (June) had higher error than April and May forecasts.
    - This is not unexpected given the end of June precipitation.



# Contact Information

## Wolfgang Hanft

Colorado Basin River Forecast Center  
Hydrometeorologist - San Juan Basin Forecaster

Email: [wolfgang.hanft@noaa.gov](mailto:wolfgang.hanft@noaa.gov)  
Phone: 801-524-5130 x330

## Operational Hydrologist

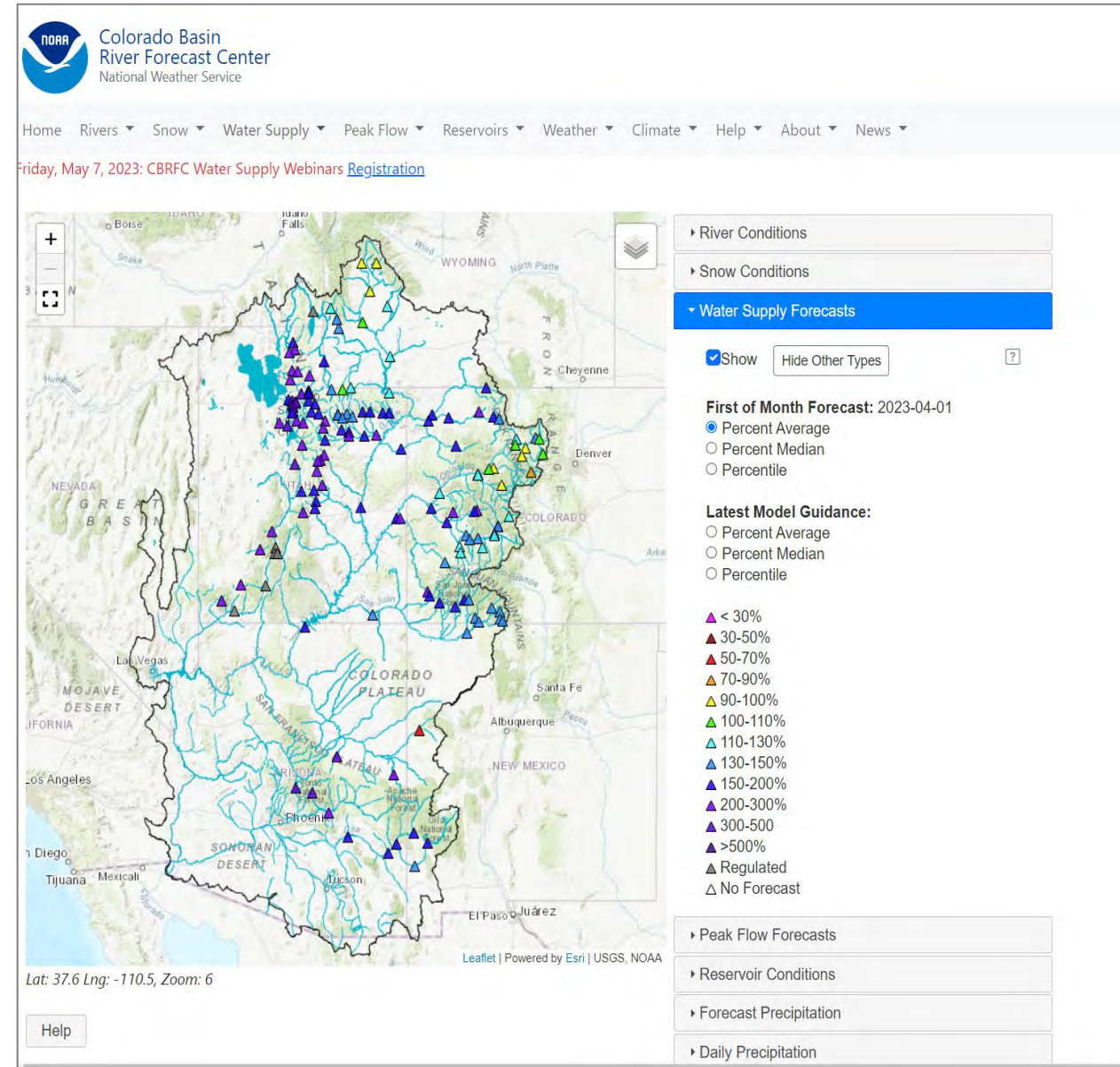
Available 7 days a week: 6:30am-4pm  
Email: [cbrfc.operations@noaa.gov](mailto:cbrfc.operations@noaa.gov)  
Phone: 801-524-4004

### CBRFC Webpage

<https://www.cbrfc.noaa.gov/>

### CBRFC Water Supply Presentations

<https://www.cbrfc.noaa.gov/present/present.php>





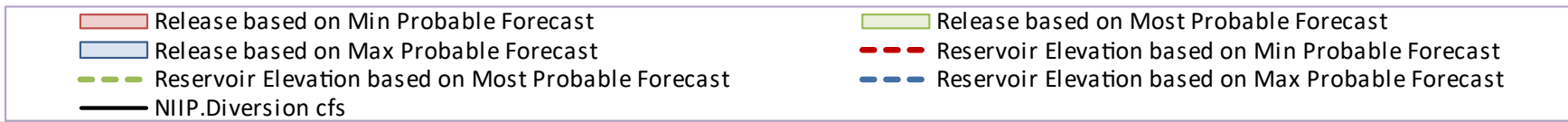
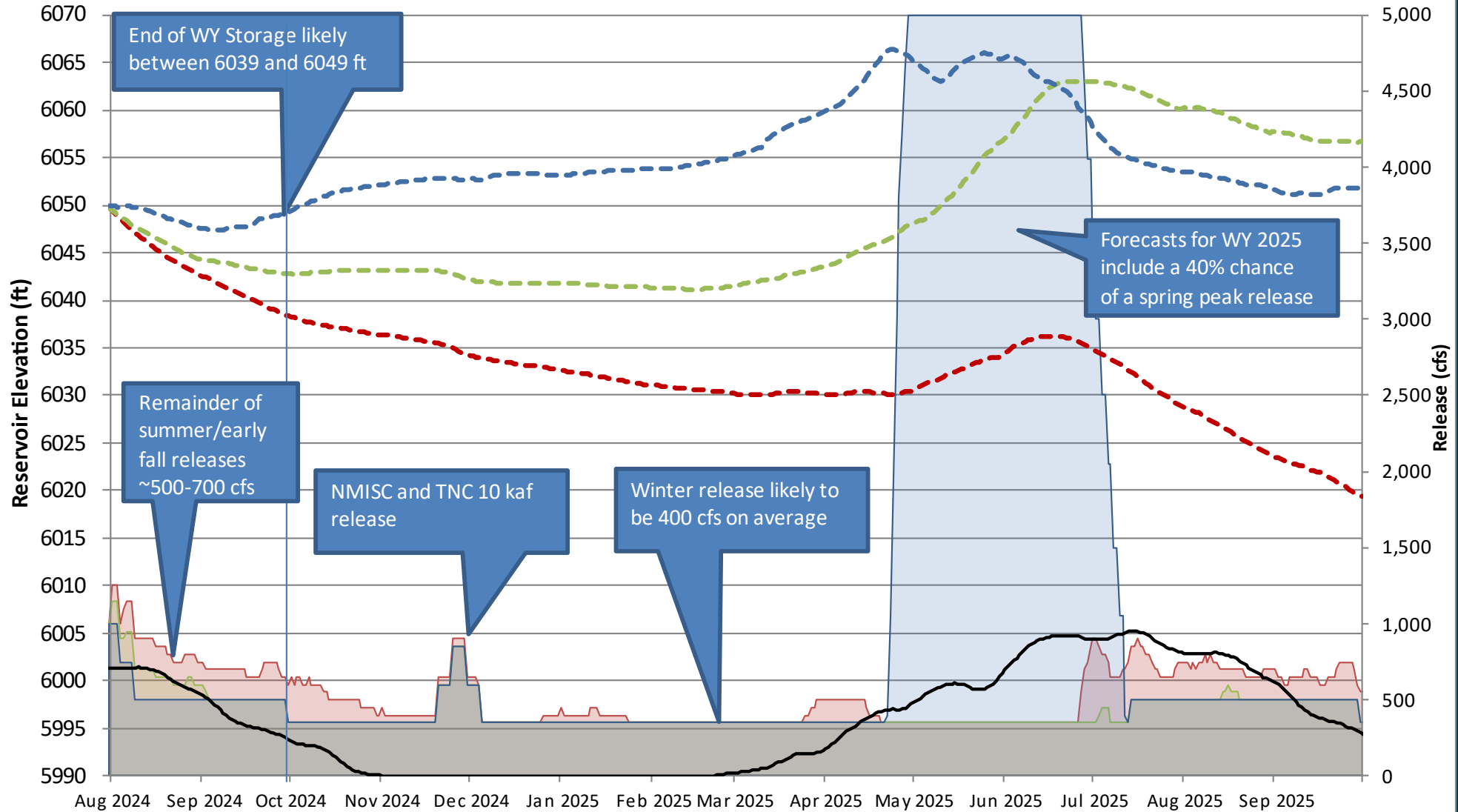
# WY 2024-2025 Planned Operations





# Navajo Reservoir Forecast Elevation and Release WY 2024-2025

as of August 2024 CBRFC forecast





# Projected Operations WY24-25

Based on current streamflow conditions, storage levels, and statistical outlooks based on 30 years of historical hydrology,

- Releases for remainder of summer, fall and winter will be made to meet the target baseflow in the critical habitat reach.
- Storage at the end of WY 2024 (September 30<sup>th</sup>) is expected to be between 1,044 kaf (63% full, 6039 ft) and 1,160 kaf (70% full, 6049 ft) with a median forecast of 1,090 kaf (66% full, 6043 ft)
- A 10 kaf release will be made for the NMISC and TNC's JAN subcontract in November- December over 15 days.
- 40% chance of having sufficient available water to conduct a spring peak release next spring in WY 2025
- <3% chance of falling below 5990 ft (min active storage) in WY2025



# NMISC and TNC Release Update



# Maintenance Update

- An exploratory drilling project is underway on the dam face.
- You may see drill rigs and official personnel working along the face and crest of the dam through 2026.
- An extended road closure of NM 539 across the crest of the dam will begin September 11, 2024. Following completion of this work, the crews will move to a single-lane closure on NM 511 across the face of the dam.
- Road impacts are currently scheduled through May of 2025 and are subject to change. Please see the Navajo Dam Water Operations webpage for the most current information.





# SJRIP Update



For more information, please contact  
[james\\_sykes@fws.gov](mailto:james_sykes@fws.gov)



— BUREAU OF —  
RECLAMATION

# Updates for Reclamation

*Next Meeting TBD!! ~~Tues, August 20<sup>th</sup>~~*

# Links

- Navajo Project Notices: [https://www.usbr.gov/uc/wcao/water/rsvrs/notice/nav\\_rel.html](https://www.usbr.gov/uc/wcao/water/rsvrs/notice/nav_rel.html)
- Navajo Monthly Forecast Update: <https://www.usbr.gov/uc/water/crsp/cs/nvd.html>
  
- UC Water Operations Home: <https://www.usbr.gov/uc/water/index.html>
- Teacups: <https://www.usbr.gov/uc/water/basin/index.html>
- 24-Month Study: <https://www.usbr.gov/uc/water/crsp/studies/index.html>
- DROA: <https://www.usbr.gov/dcp/droa.html>





Reclamation Contacts:

**Marc Miller – Water Management Group Chief**

970-385-6541 [mbmiller@usbr.gov](mailto:mbmiller@usbr.gov)

**Susan Novak Behery – Hydrologic Engineer**

970-385-6560 [sbehery@usbr.gov](mailto:sbehery@usbr.gov)

To be added to Navajo Dam notices email list, send an email to [westcoloareaoffice@usbr.gov](mailto:westcoloareaoffice@usbr.gov)



— BUREAU OF —  
RECLAMATION

**Useful Links**

Reclamation: [www.usbr.gov/uc](http://www.usbr.gov/uc)

USGS: [water.usgs.gov/nwis](http://water.usgs.gov/nwis)

CBRFC: [cbrfc.noaa.gov](http://cbrfc.noaa.gov)