



Water Conditions Monitoring Committee Meeting November 19th, 2024

NRCS Snow Survey and Water Supply Forecasting Program

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<http://www.nrcs.usda.gov/wps/portal/nrcs/main/co/snow/>



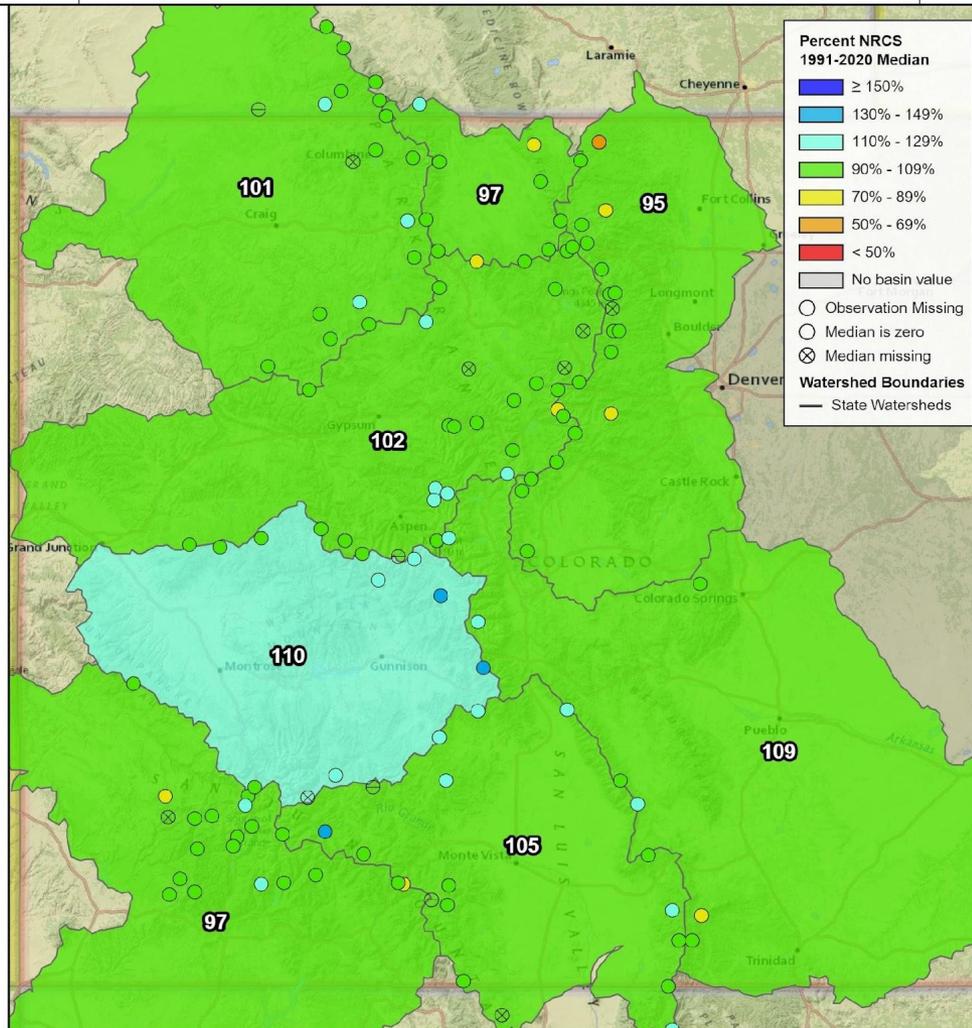
Water Year to Date Precipitation

2024 Precip CO Mjr Basins

Percent NRCS 1991-2020 Median

October 1, 2023 -
September 30, 2024

Statewide
Precipitation
is 101% of
median
on 9/30/2024



WY24 Precipitation



PRECIPITATION ACCUMULATION IN STATE OF COLORADO

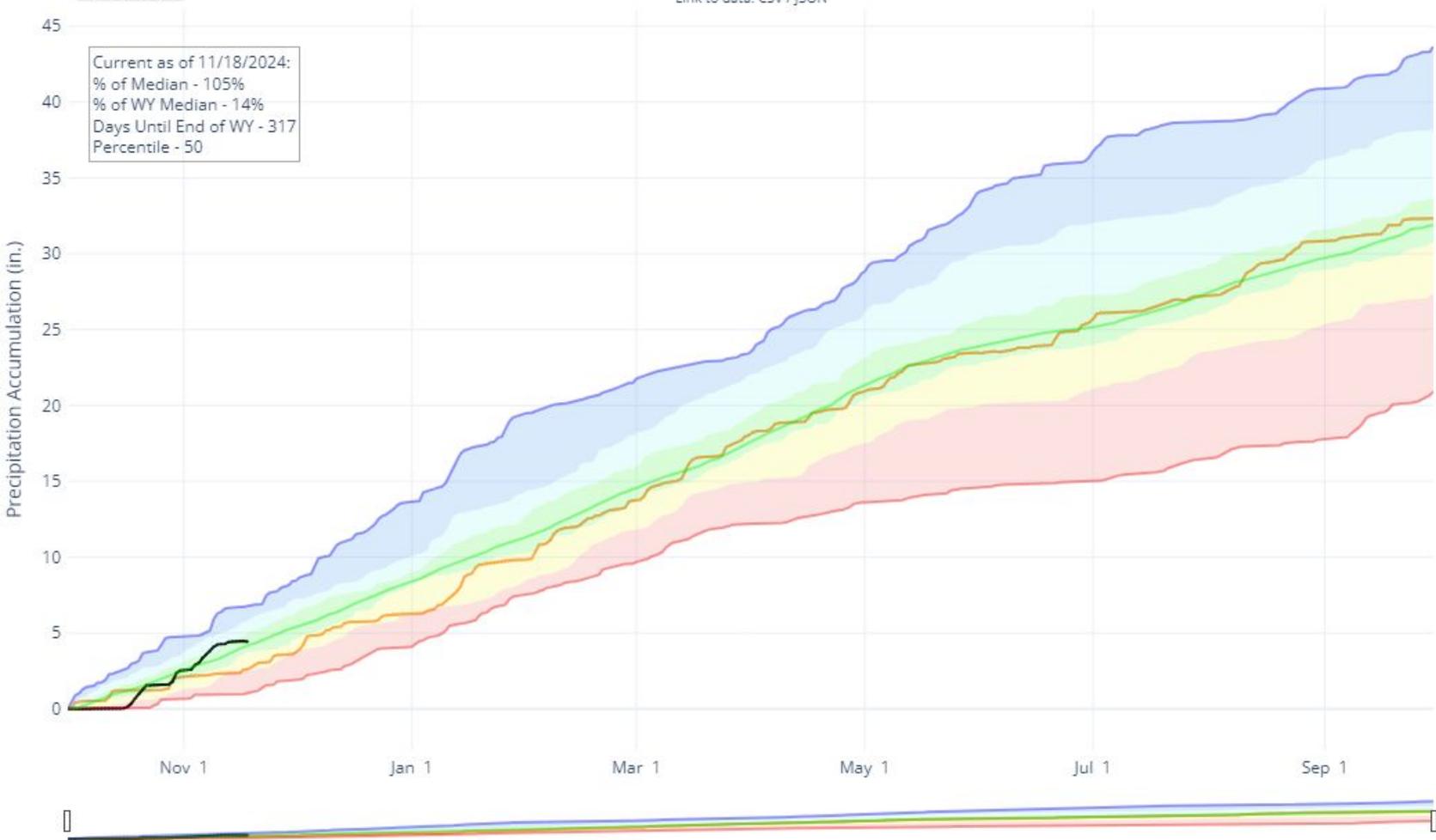
Reset Range

[Link to data: CSV / JSON](#)

Station List

Current as of 11/18/2024:
% of Median - 105%
% of WY Median - 14%
Days Until End of WY - 317
Percentile - 50

- Max
- Median ('91-'20)
- Min
- Stats. Shading
- 2025 (117 sites)
- 2024 (117 sites)



PRECIPITATION ACCUMULATION IN SOUTH PLATTE

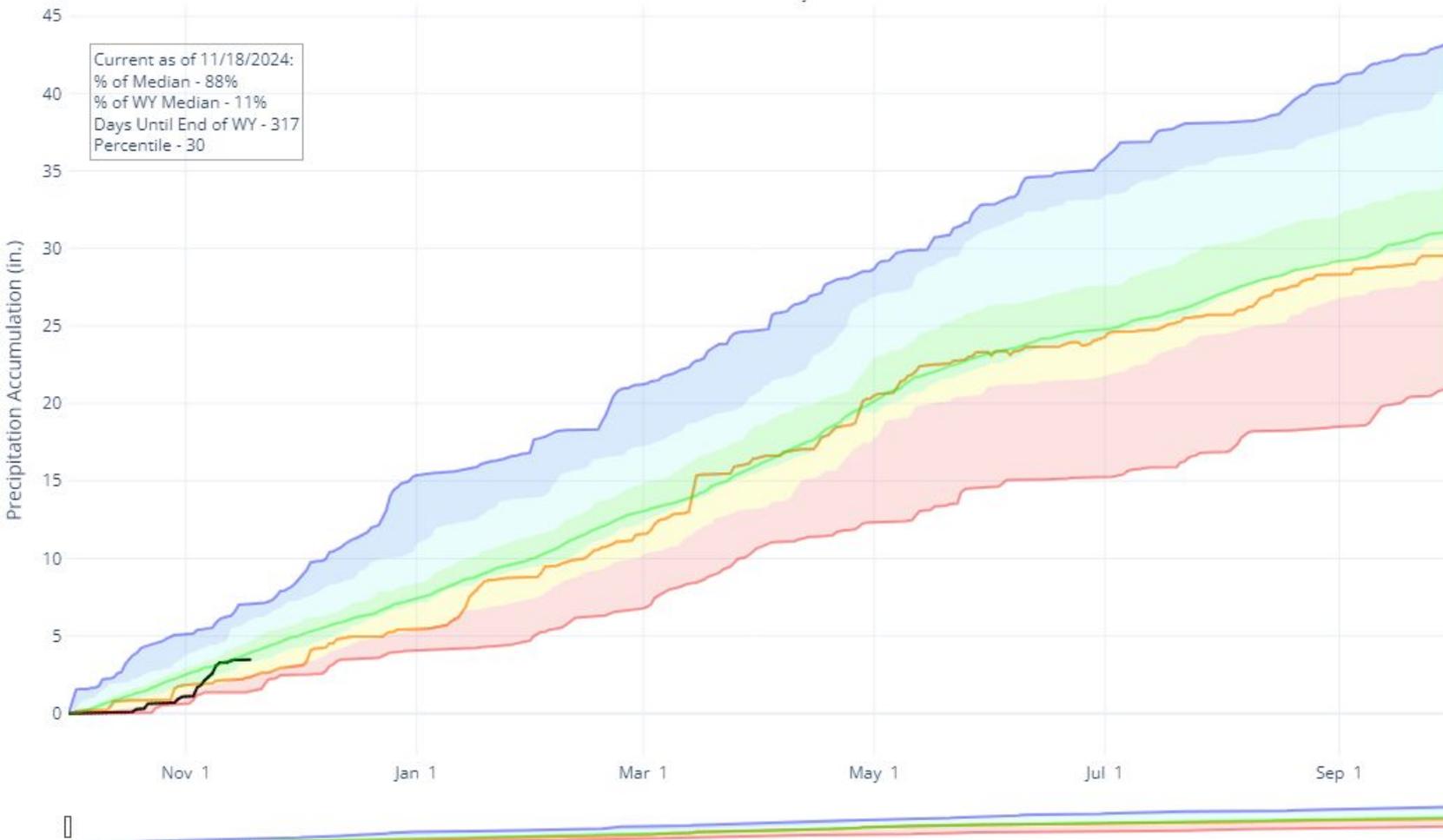
Reset Range

[Link to data: CSV / JSON](#)

Current as of 11/18/2024:
% of Median - 88%
% of WY Median - 11%
Days Until End of WY - 317
Percentile - 30

Station List

- Max
- Median ('91-'20)
- Min
- Stats. Shading
- 2025 (21 sites)
- 2024 (21 sites)

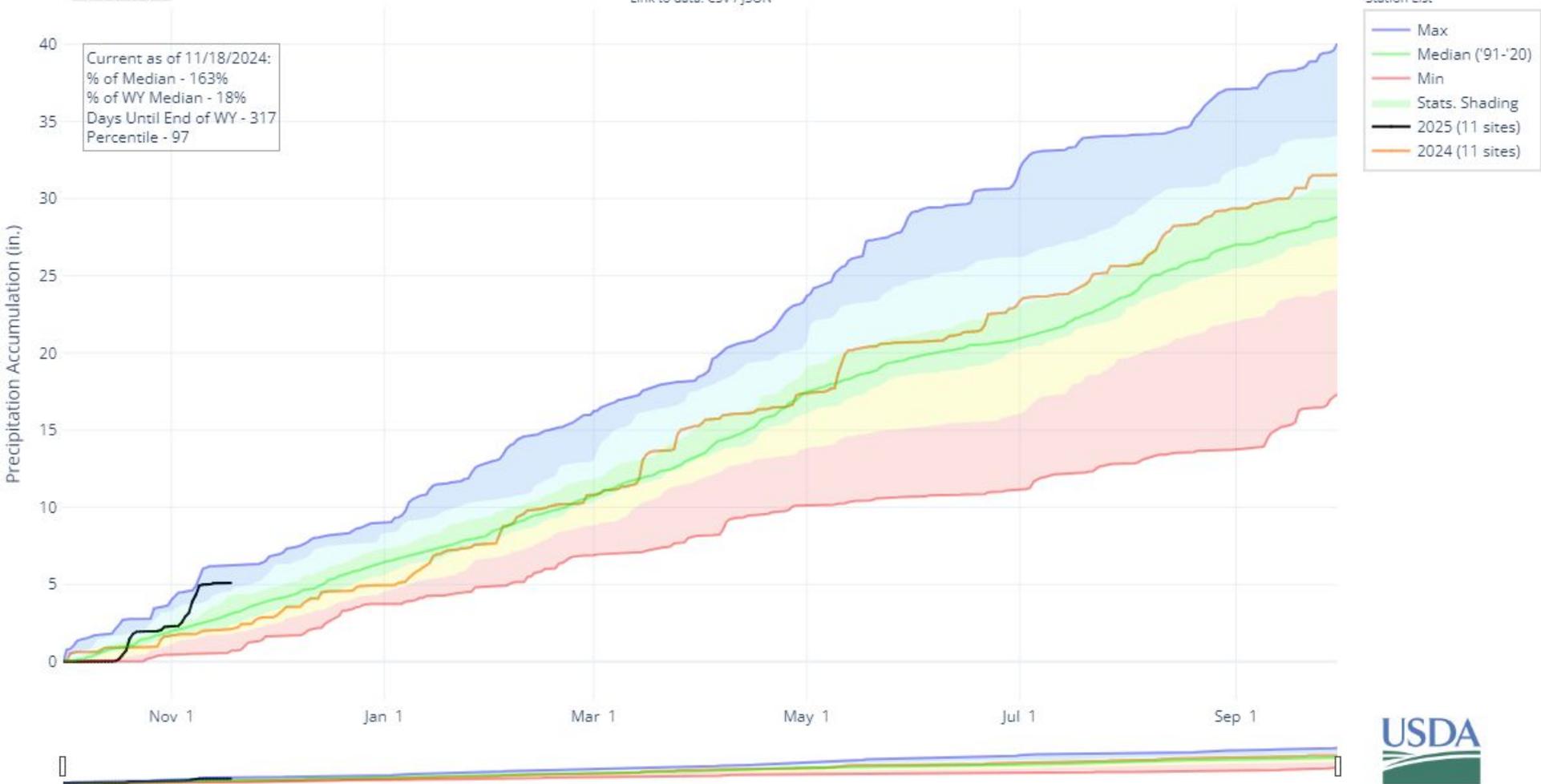


PRECIPITATION ACCUMULATION IN ARKANSAS

Reset Range

[Link to data: CSV / JSON](#)

Station List



PRECIPITATION ACCUMULATION IN SAN MIGUEL-DOLORES-ANIMAS-SAN JUAN

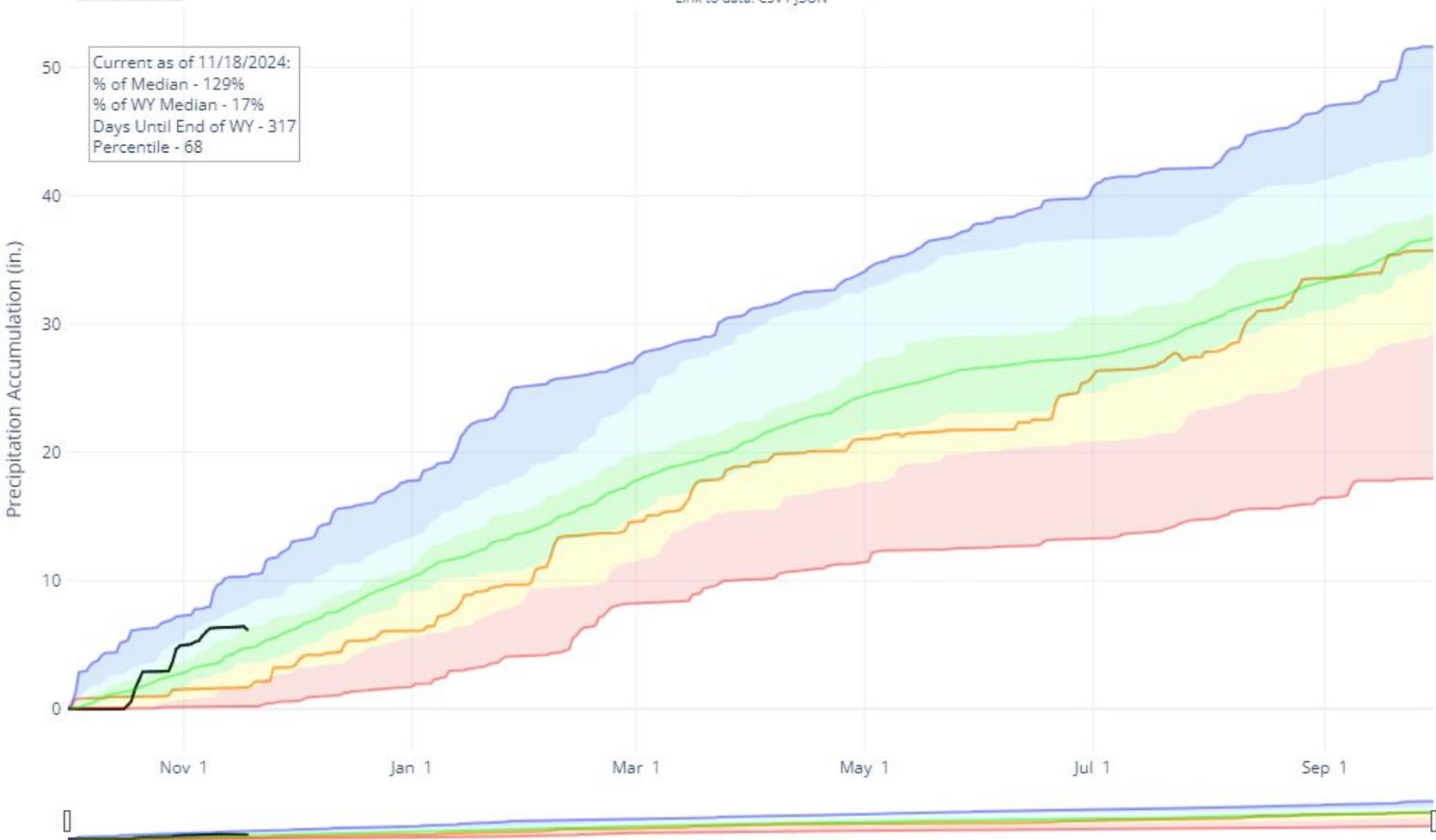
Reset Range

[Link to data: CSV / JSON](#)

Station List

Current as of 11/18/2024:
% of Median - 129%
% of WY Median - 17%
Days Until End of WY - 317
Percentile - 68

- Max
- Median ('91-'20)
- Min
- Stats. Shading
- 2025 (19 sites)
- 2024 (19 sites)

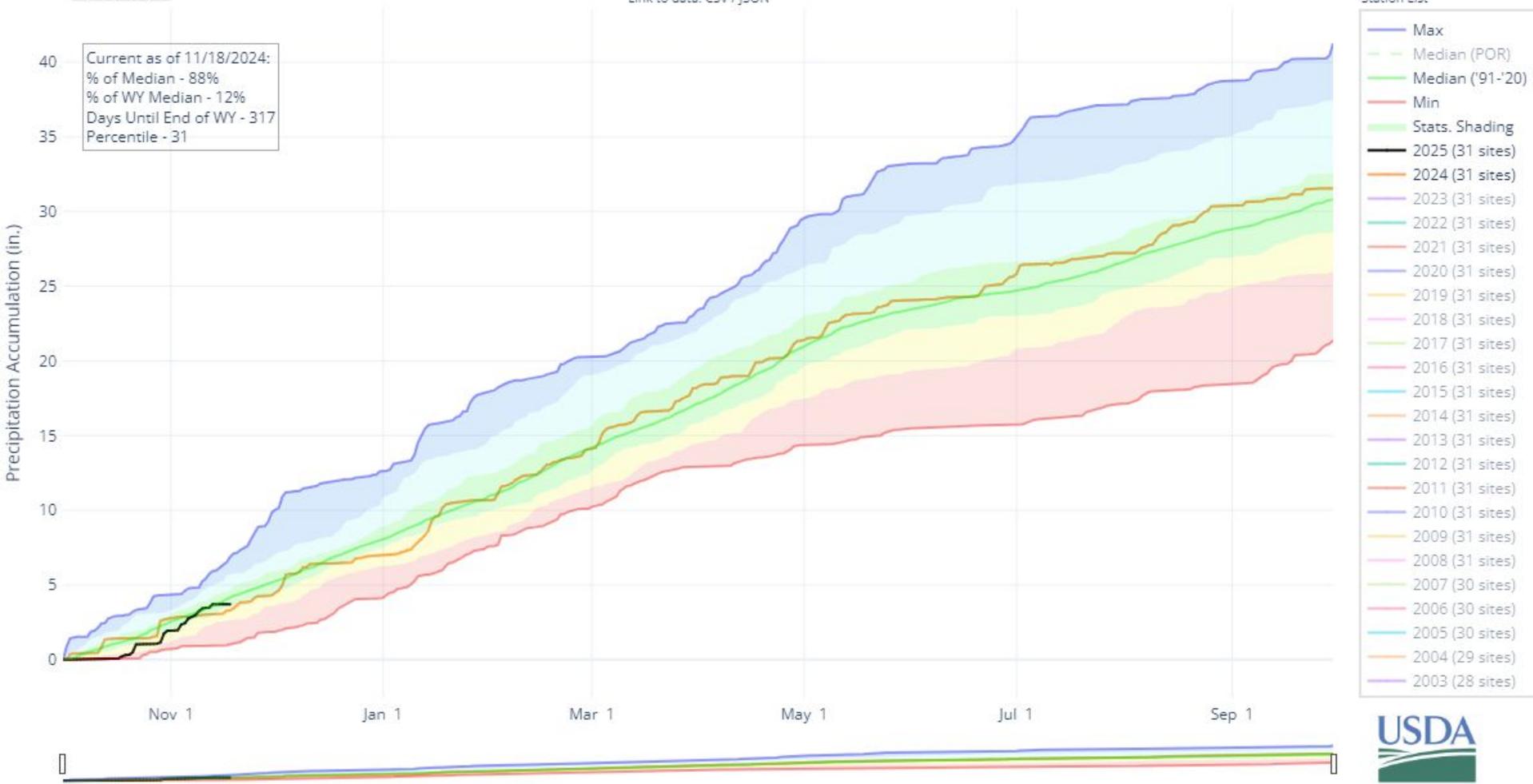


PRECIPITATION ACCUMULATION IN COLORADO HEADWATERS

Reset Range

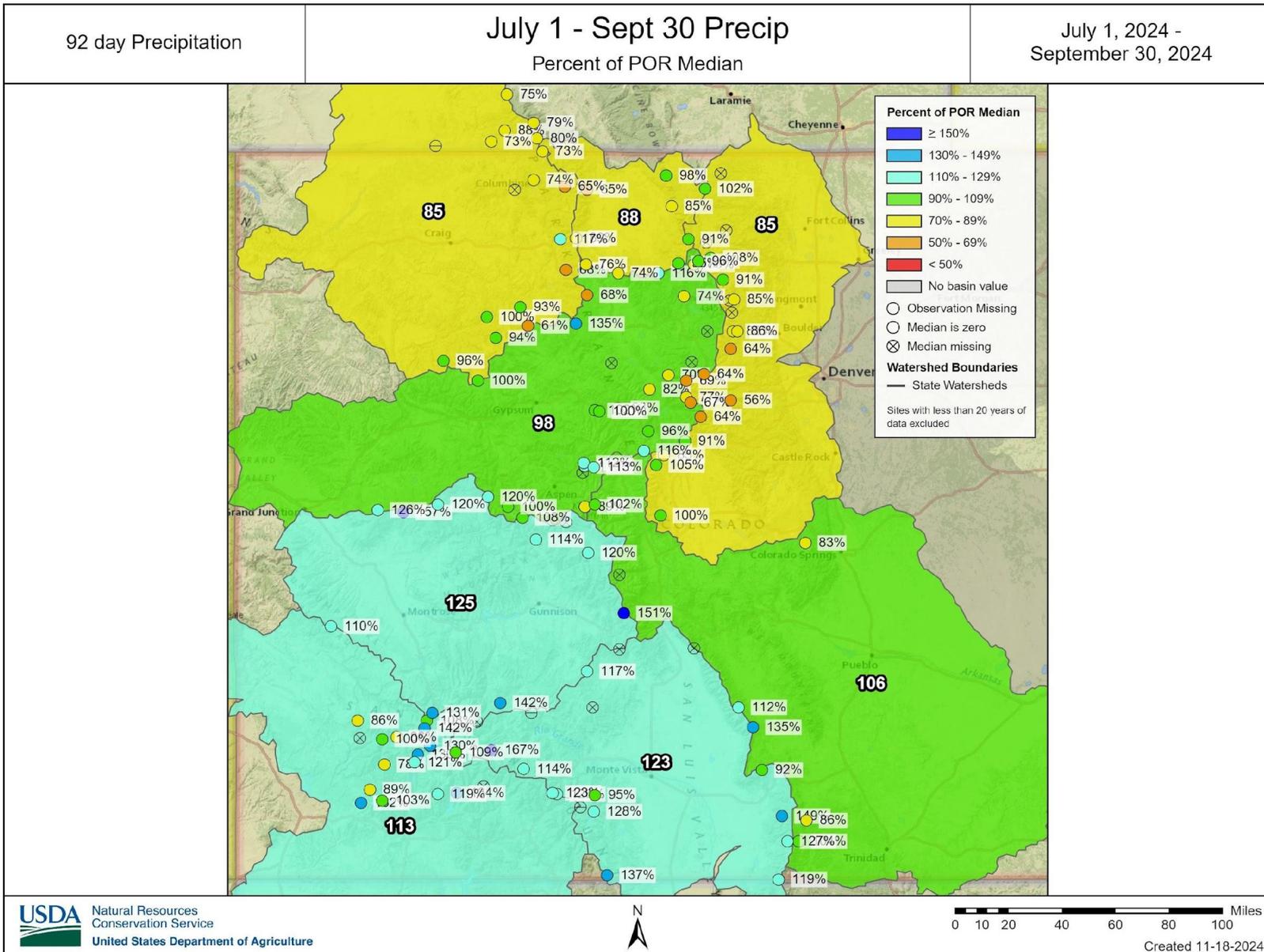
[Link to data: CSV / JSON](#)

Station List





Last 3 Months of WY24
Precip



PRECIPITATION ACCUMULATION IN STATE OF COLORADO

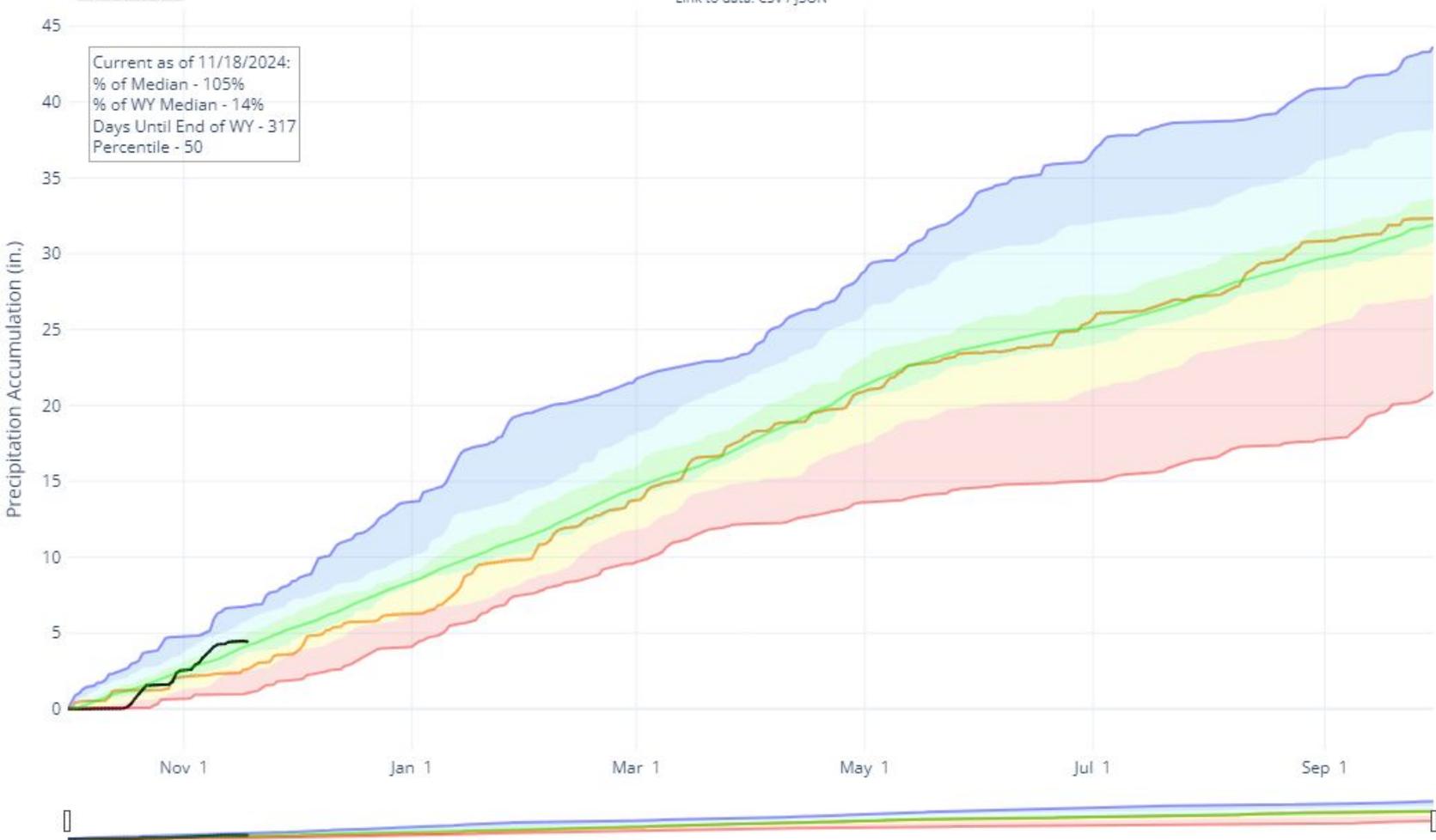
Reset Range

[Link to data: CSV / JSON](#)

Station List

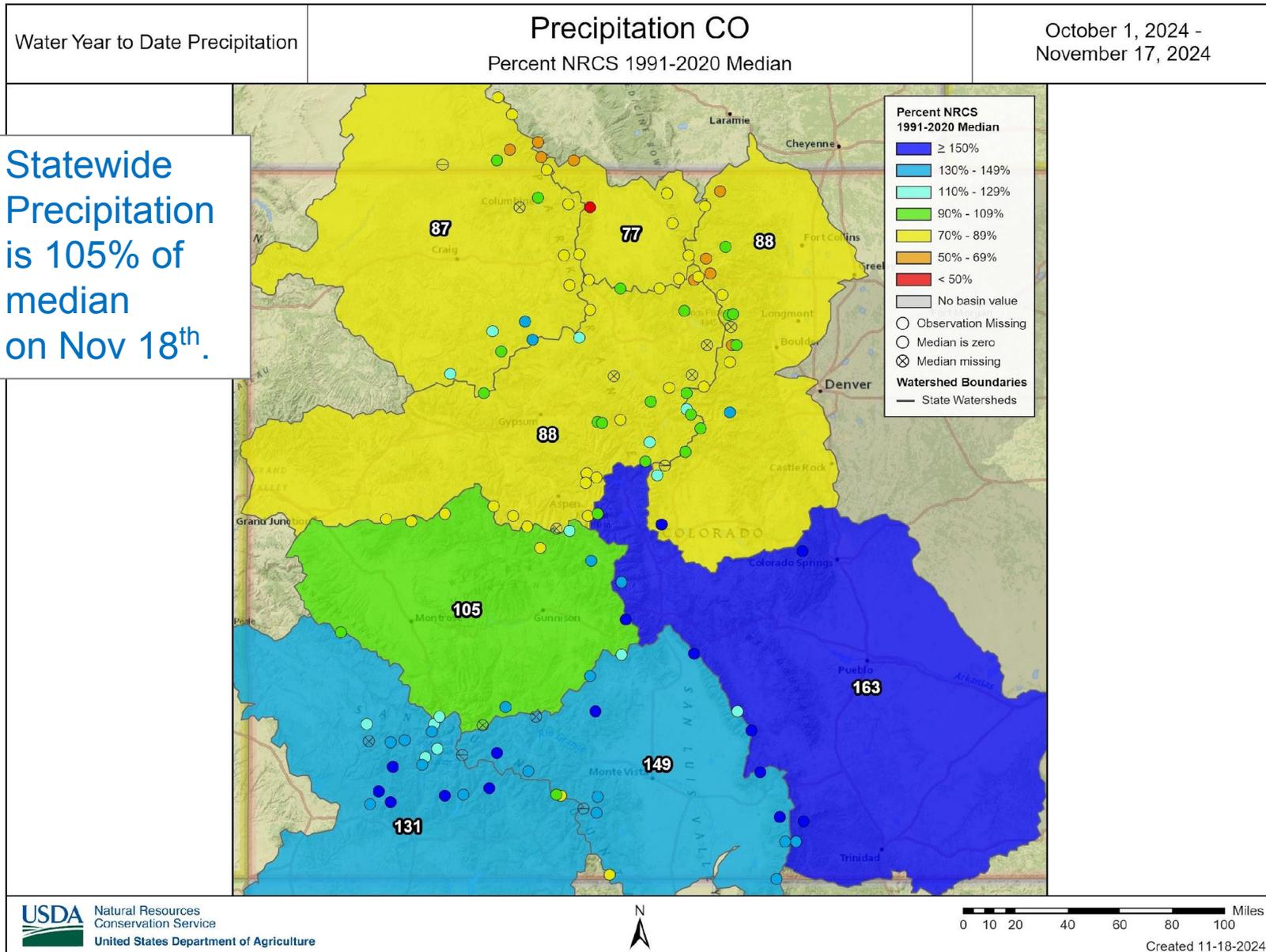
Current as of 11/18/2024:
% of Median - 105%
% of WY Median - 14%
Days Until End of WY - 317
Percentile - 50

- Max
- Median ('91-'20)
- Min
- Stats. Shading
- 2025 (117 sites)
- 2024 (117 sites)



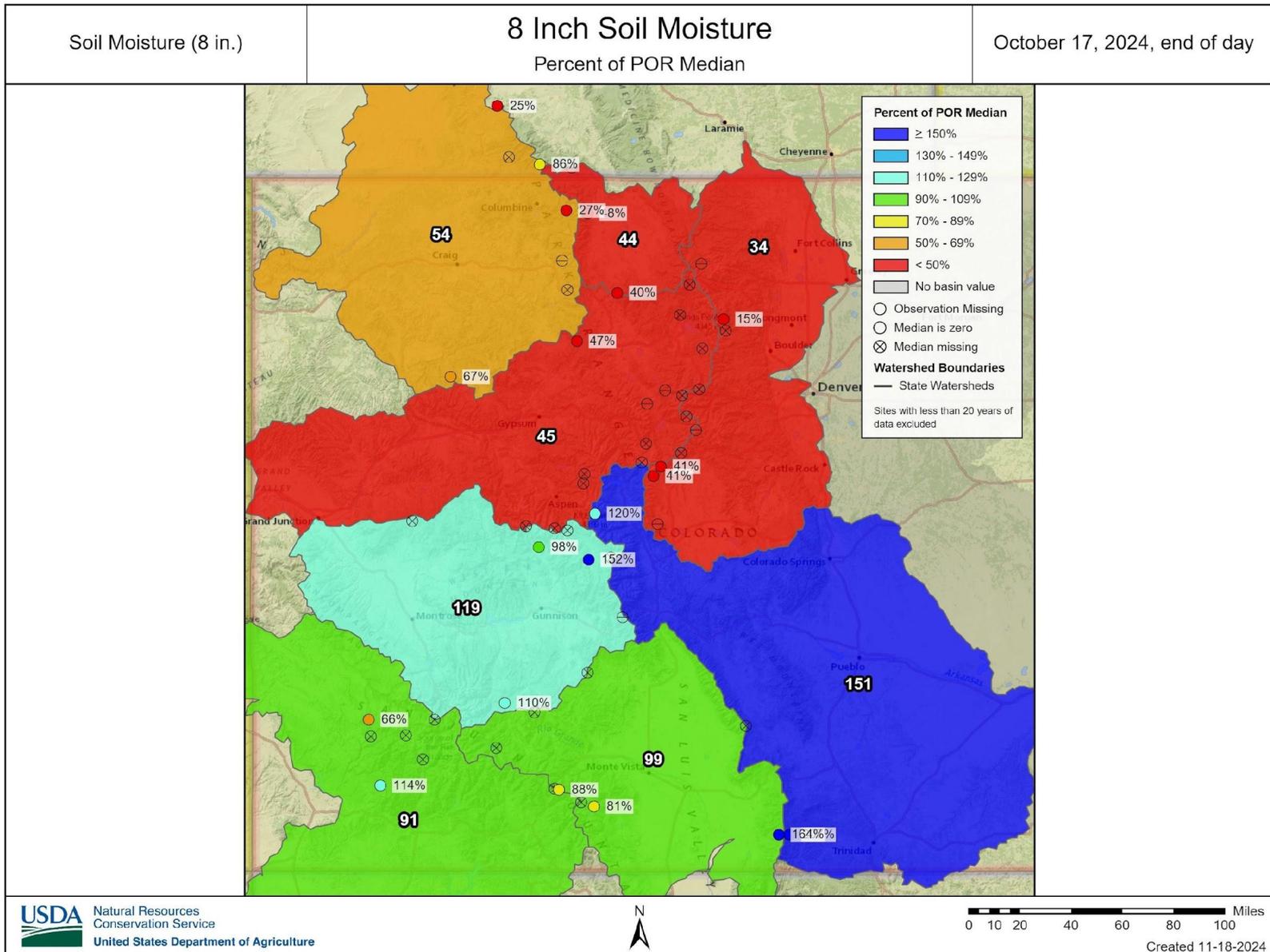
WY25 Precipitation

Statewide
Precipitation
is 105% of
median
on Nov 18th.



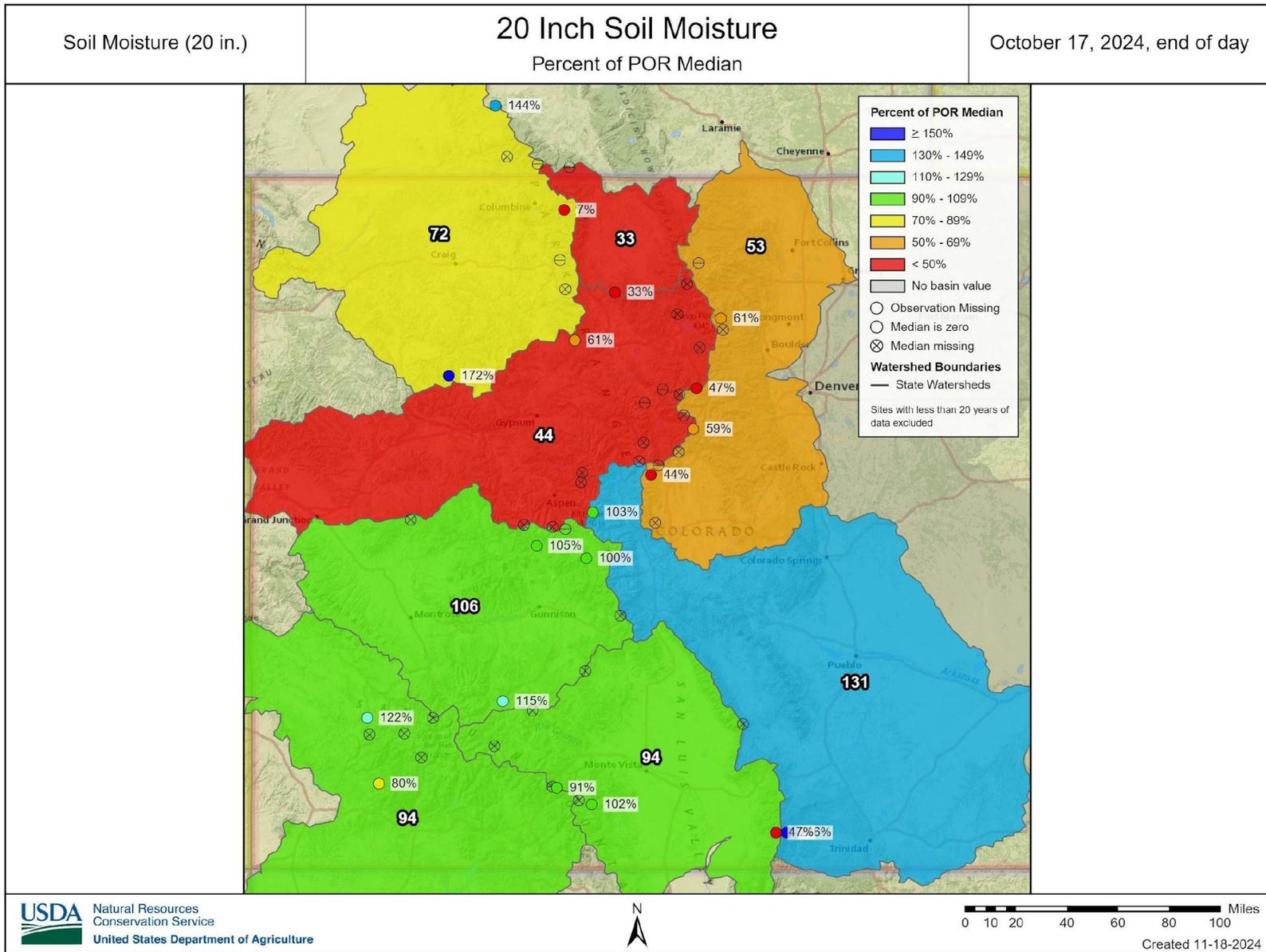


8 Inch Soil Moisture Data

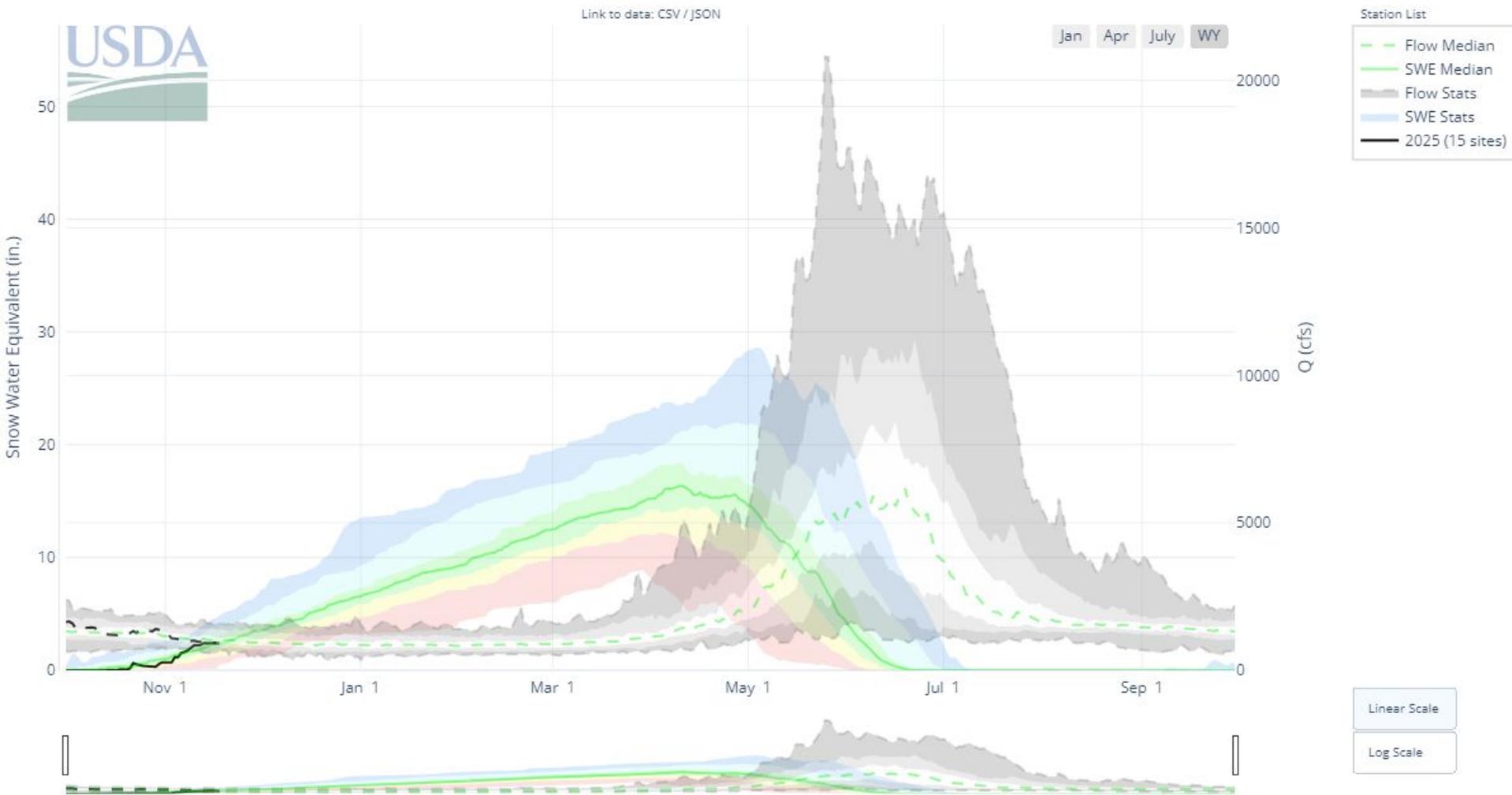




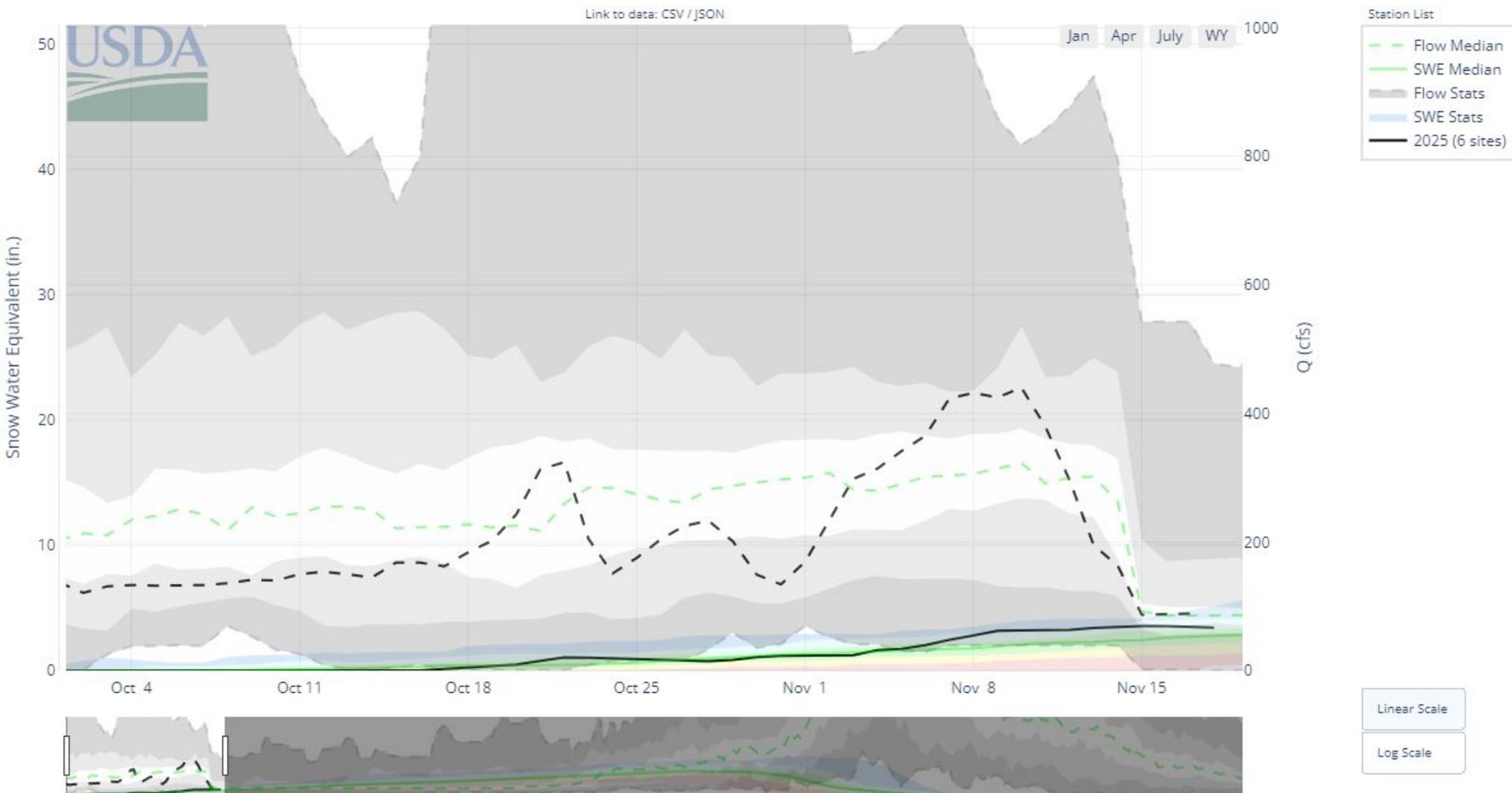
20 Inch Soil Moisture Data



Colorado R nr Dotsero Snow to Flow Plot



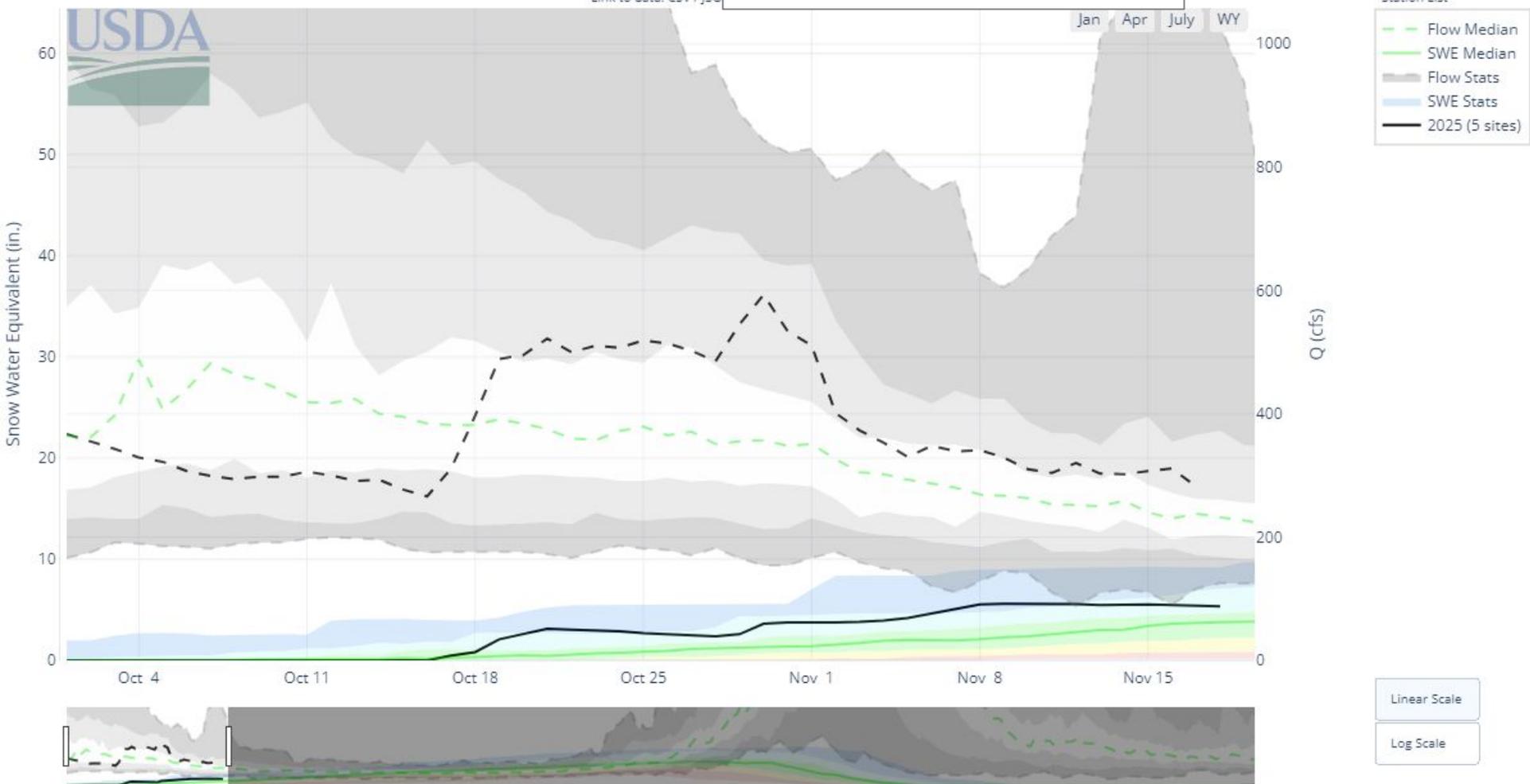
Arkansas R ab Pueblo Snow to Flow Plot



Rio Grande nr Del Norte Snow to Flow Plot

[Link to data: CSV / JSQ](#)

68% of median flow on 7/22



North Platte R nr Northgate Snow to Flow Plot

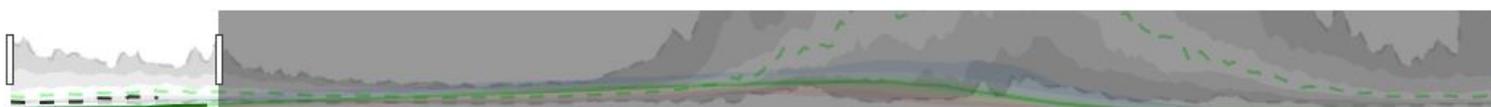
[Link to data: CSV / JSON](#)

Jan Apr July WY



Station List

- Flow Median
- SWE Median
- Flow Stats
- SWE Stats
- 2025 (5 sites)

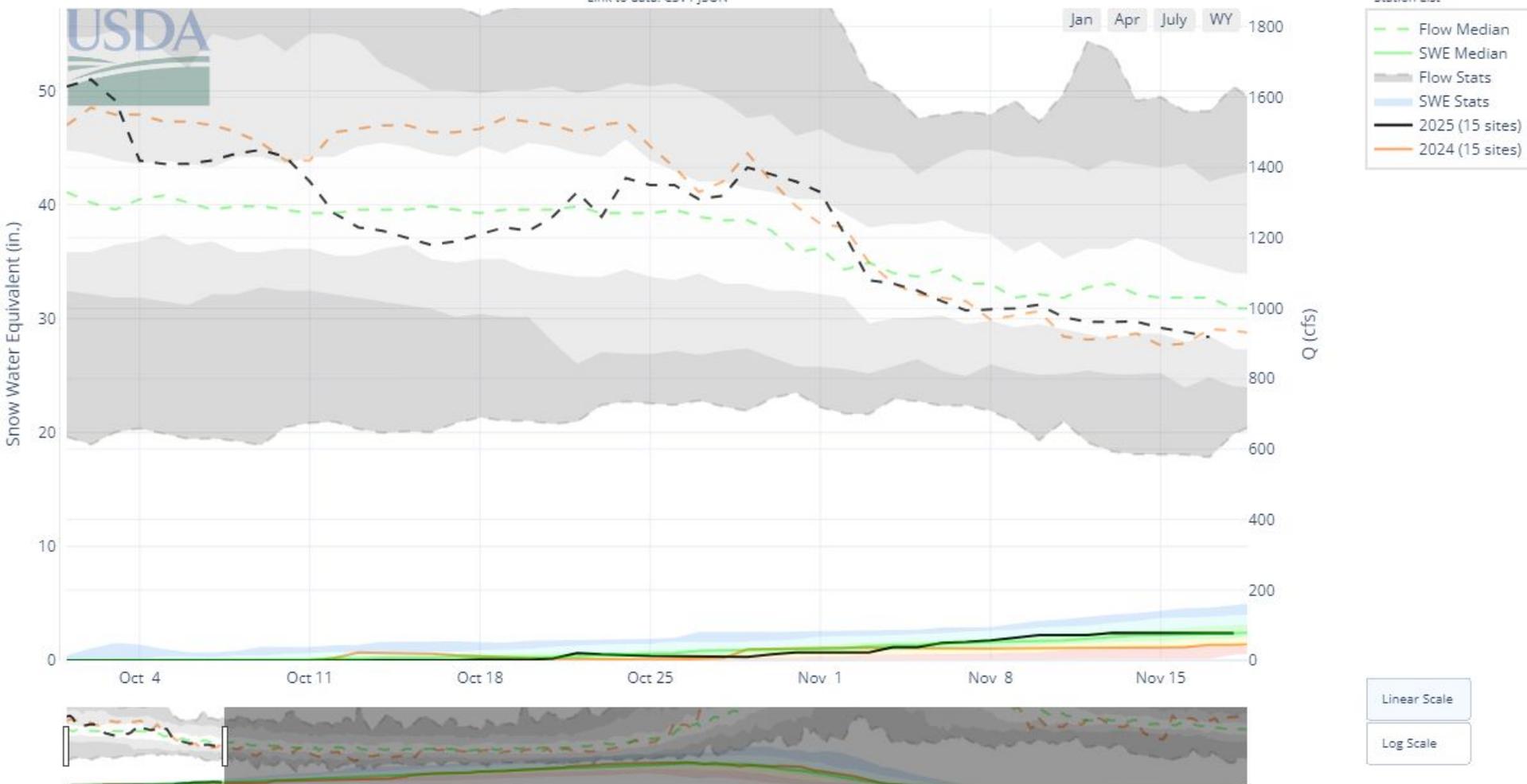


Linear Scale

Log Scale

Colorado R nr Dotsero Snow to Flow Plot

[Link to data: CSV / JSON](#)



Station List

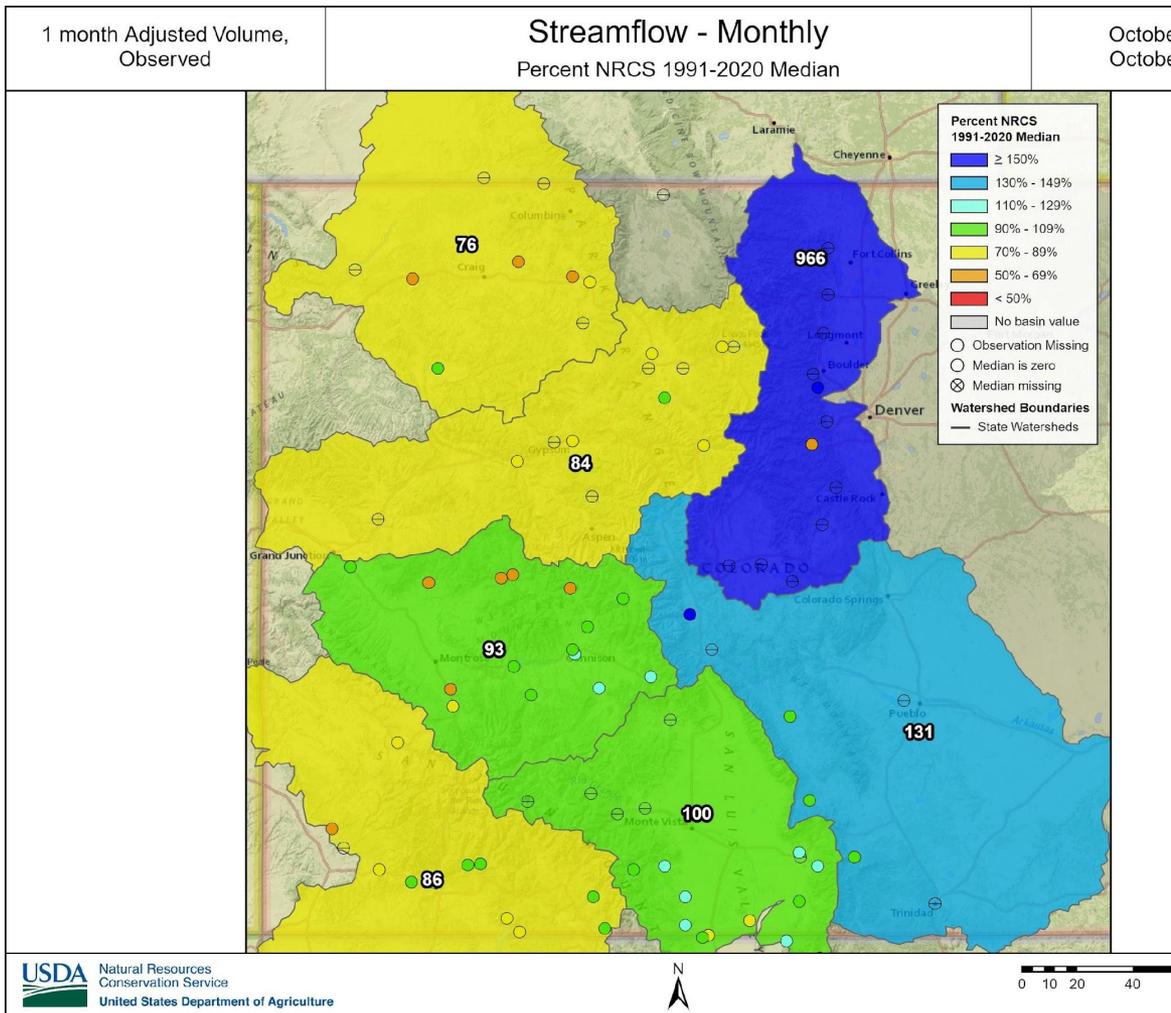
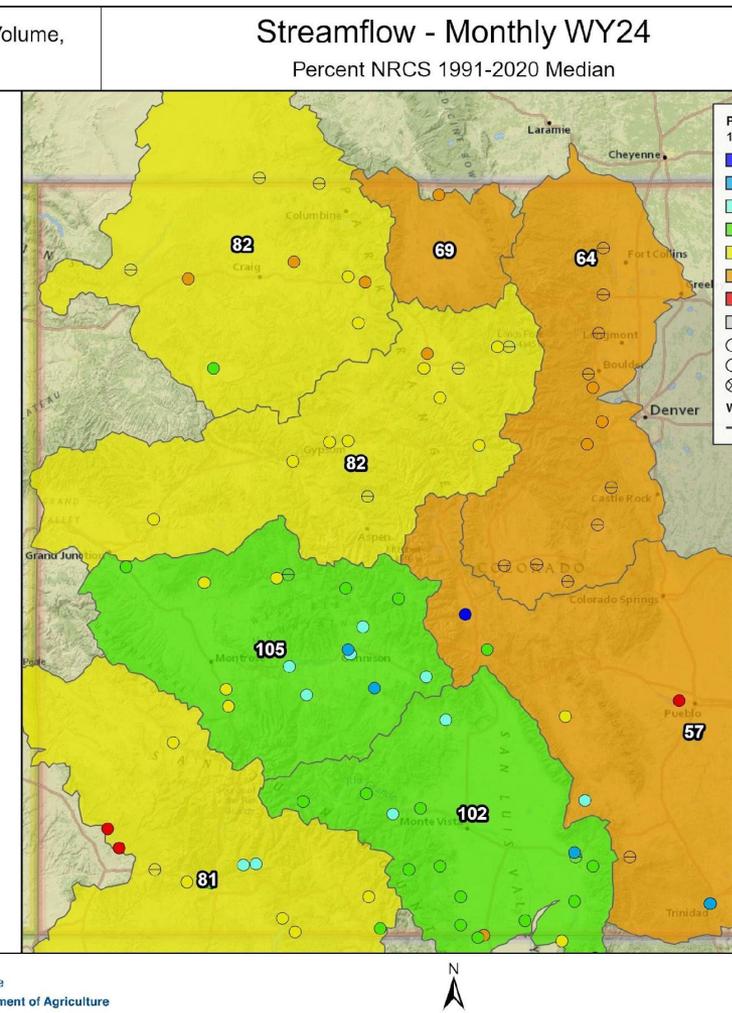
- Flow Median
- SWE Median
- Flow Stats
- SWE Stats
- 2025 (15 sites)
- 2024 (15 sites)

Linear Scale

Log Scale

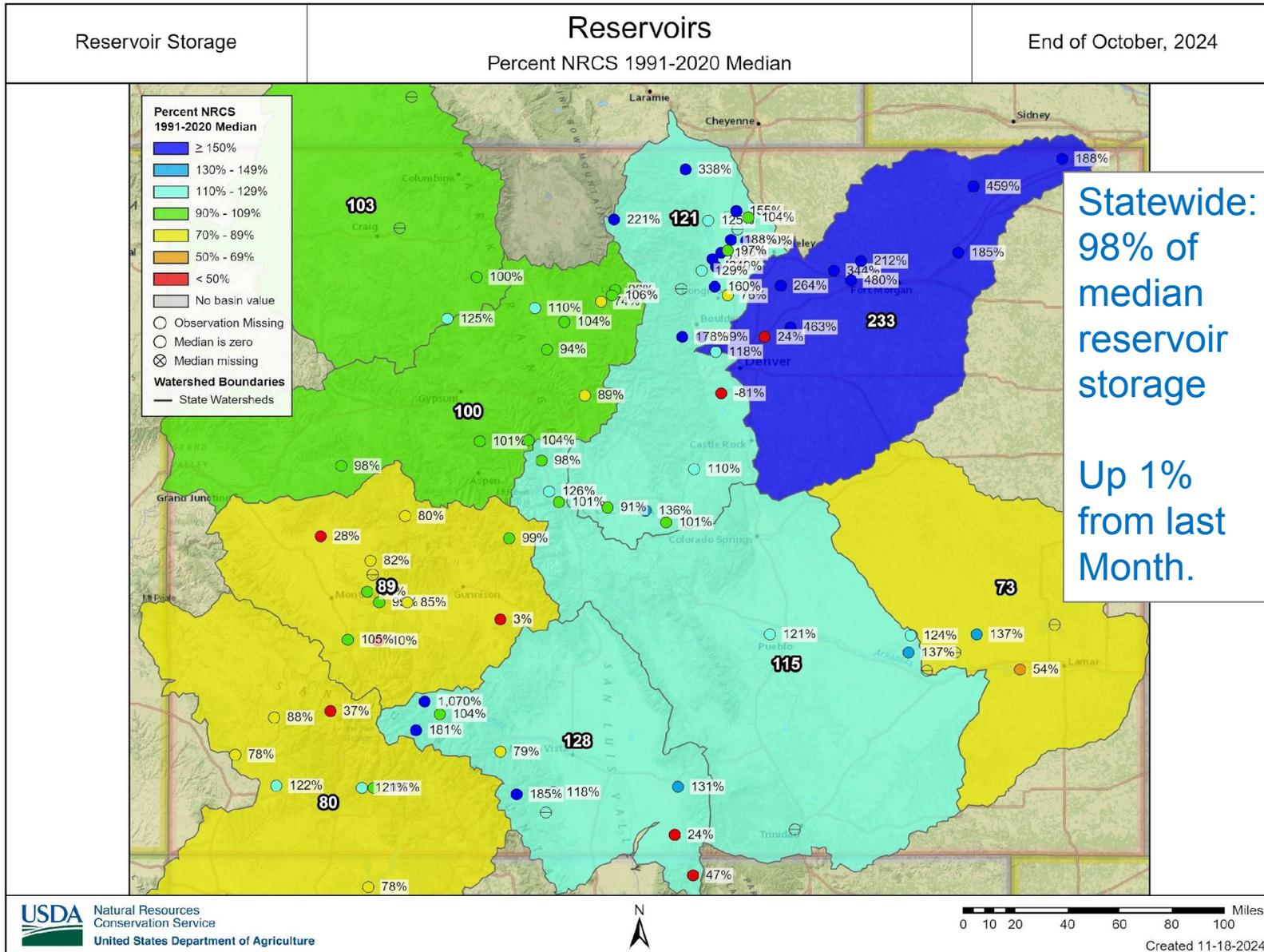


September and October Streamflows

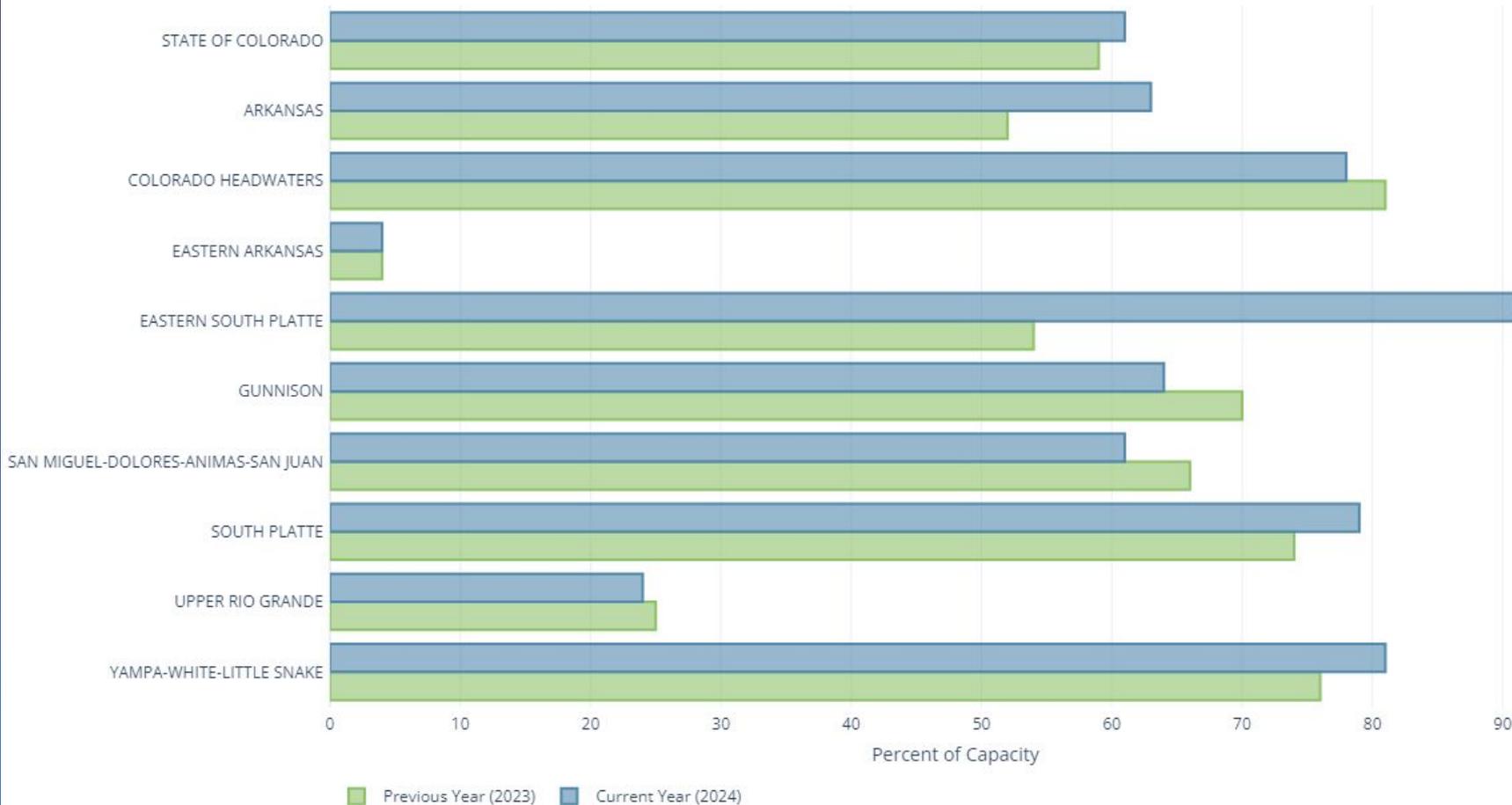




Statewide Reservoir Storage Jun 1



RESERVOIR STORAGE IN COLORADO NOVEMBER 1, 2024





SNOW WATER EQUIVALENT IN STATE OF COLORADO

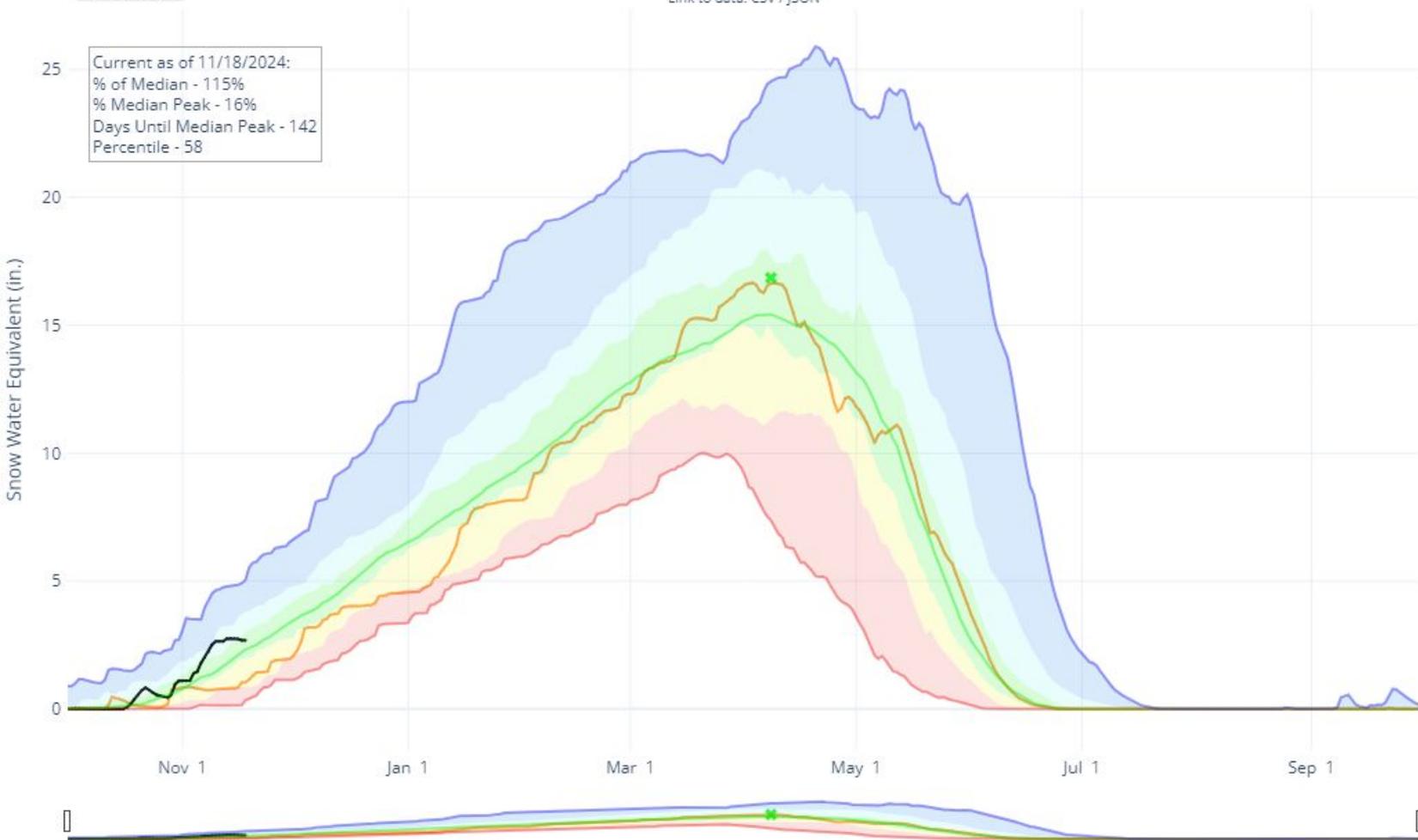
Reset Range

[Link to data: CSV / JSON](#)

Station List

Current as of 11/18/2024:
 % of Median - 115%
 % Median Peak - 16%
 Days Until Median Peak - 142
 Percentile - 58

- ✱ Median Peak SWE
- Max
- Median ('91-'20)
- Min
- Stats. Shading
- 2025 (115 sites)
- 2024 (115 sites)

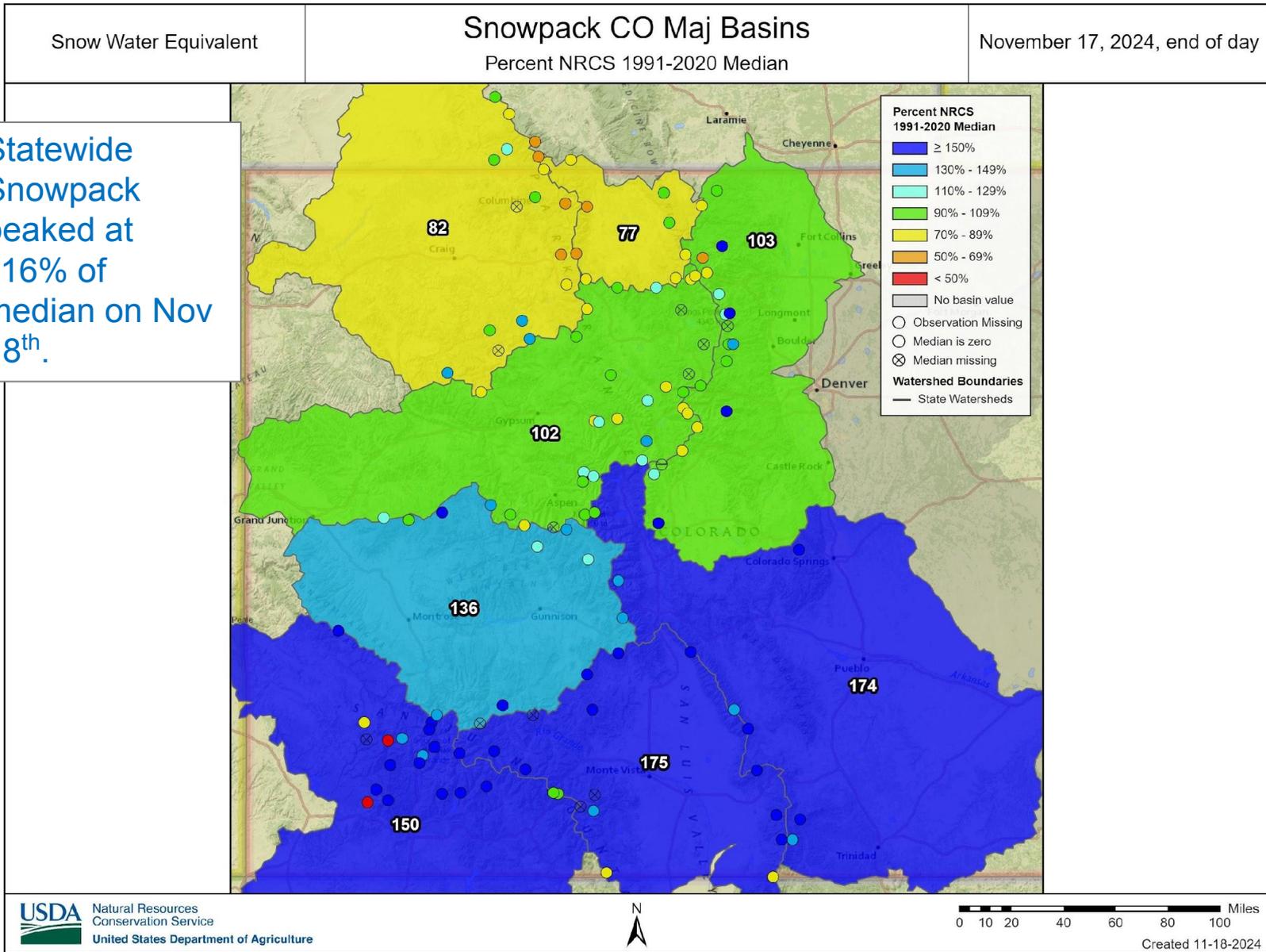


WY25 Major Snow Storm Cycles

- Three major storm cycles since the beginning of the water year
 - Oct 18 – 21 – 200% -> 400% median snowpack
 - Oct 28 – 30 – 80% -> 157%
 - Nov 3 – 10 – 110% -> 173%
- As of Nov 18th Colorado is typically 15% of the way through the snowpack accumulation season. Most of winter is yet to come, how much snowpack is the question.

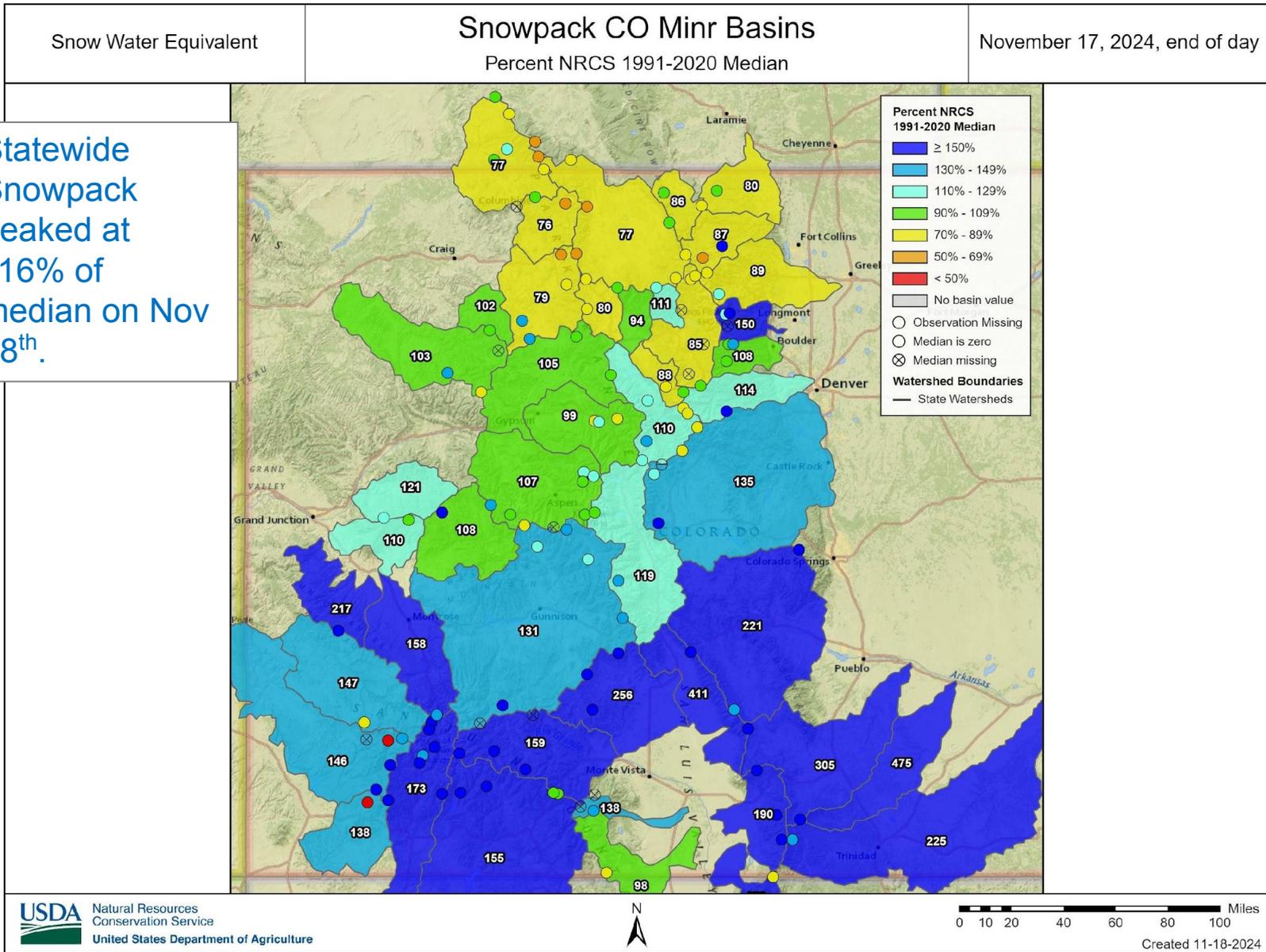
Snowpack

Statewide Snowpack peaked at 116% of median on Nov 18th.



Snowpack

Statewide Snowpack peaked at 116% of median on Nov 18th.



SNOW WATER EQUIVALENT IN UPPER RIO GRANDE

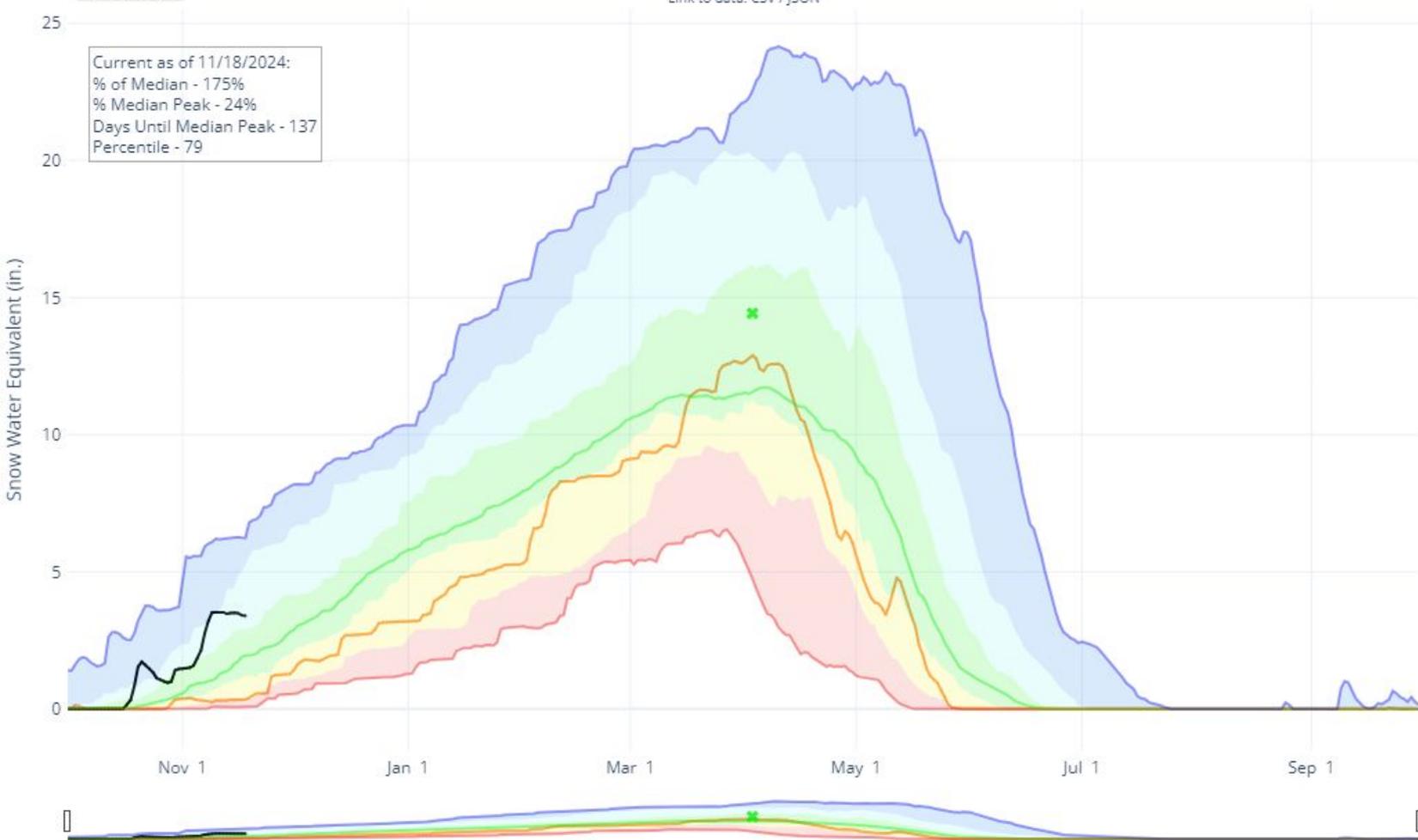
Reset Range

[Link to data: CSV / JSON](#)

Station List

Current as of 11/18/2024:
 % of Median - 175%
 % Median Peak - 24%
 Days Until Median Peak - 137
 Percentile - 79

- ✖ Median Peak SWE
- Max
- Median ('91-'20)
- Min
- Stats. Shading
- 2025 (17 sites)
- 2024 (17 sites)



SNOW WATER EQUIVALENT IN LARAMIE AND NORTH PLATTE

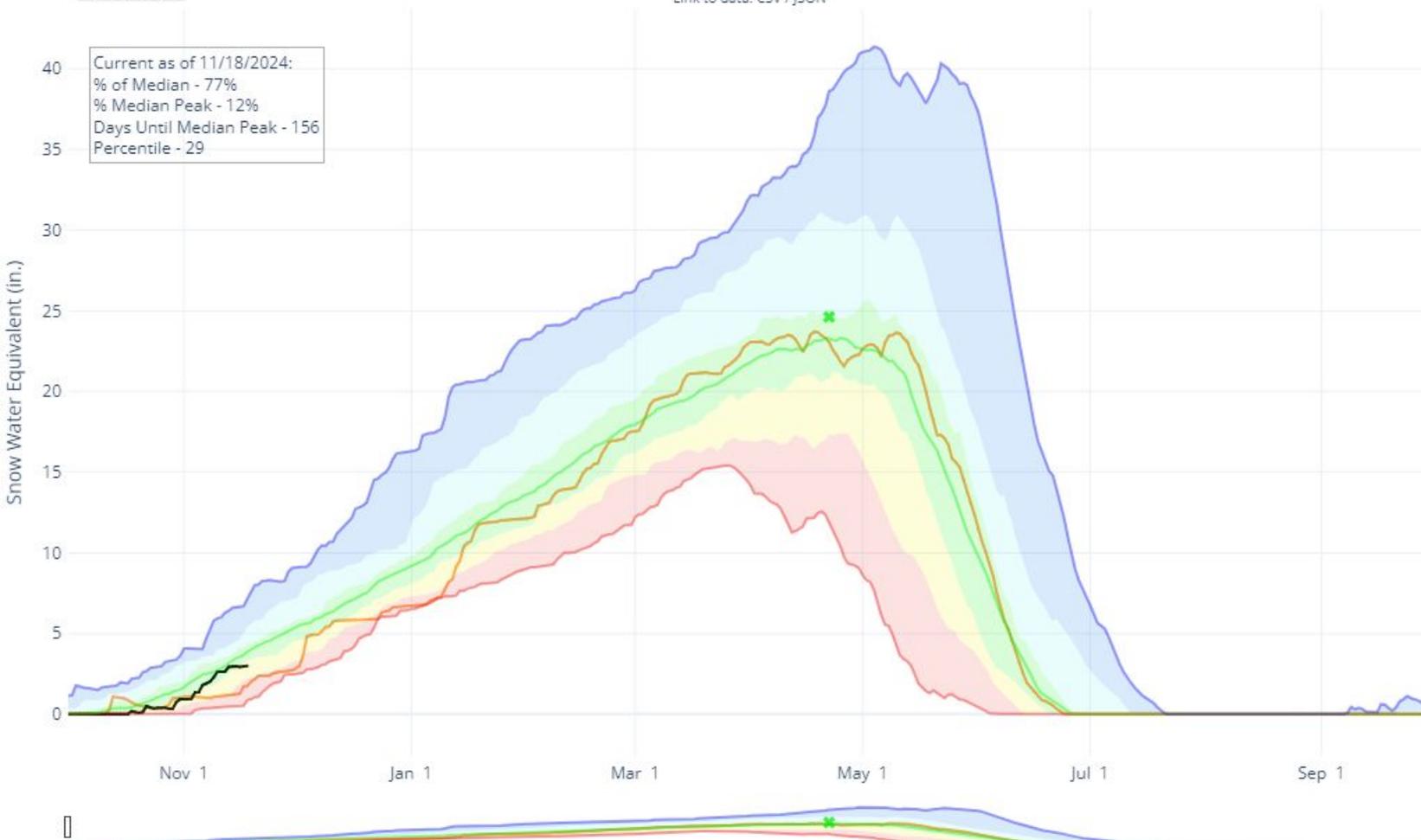
Reset Range

[Link to data: CSV / JSON](#)

Station List

Current as of 11/18/2024:
 % of Median - 77%
 % Median Peak - 12%
 Days Until Median Peak - 156
 Percentile - 29

- ✖ Median Peak SWE
- Max
- Median ('91-'20)
- Min
- Stats. Shading
- 2025 (12 sites)
- 2024 (12 sites)



SNOW WATER EQUIVALENT IN SOUTH PLATTE

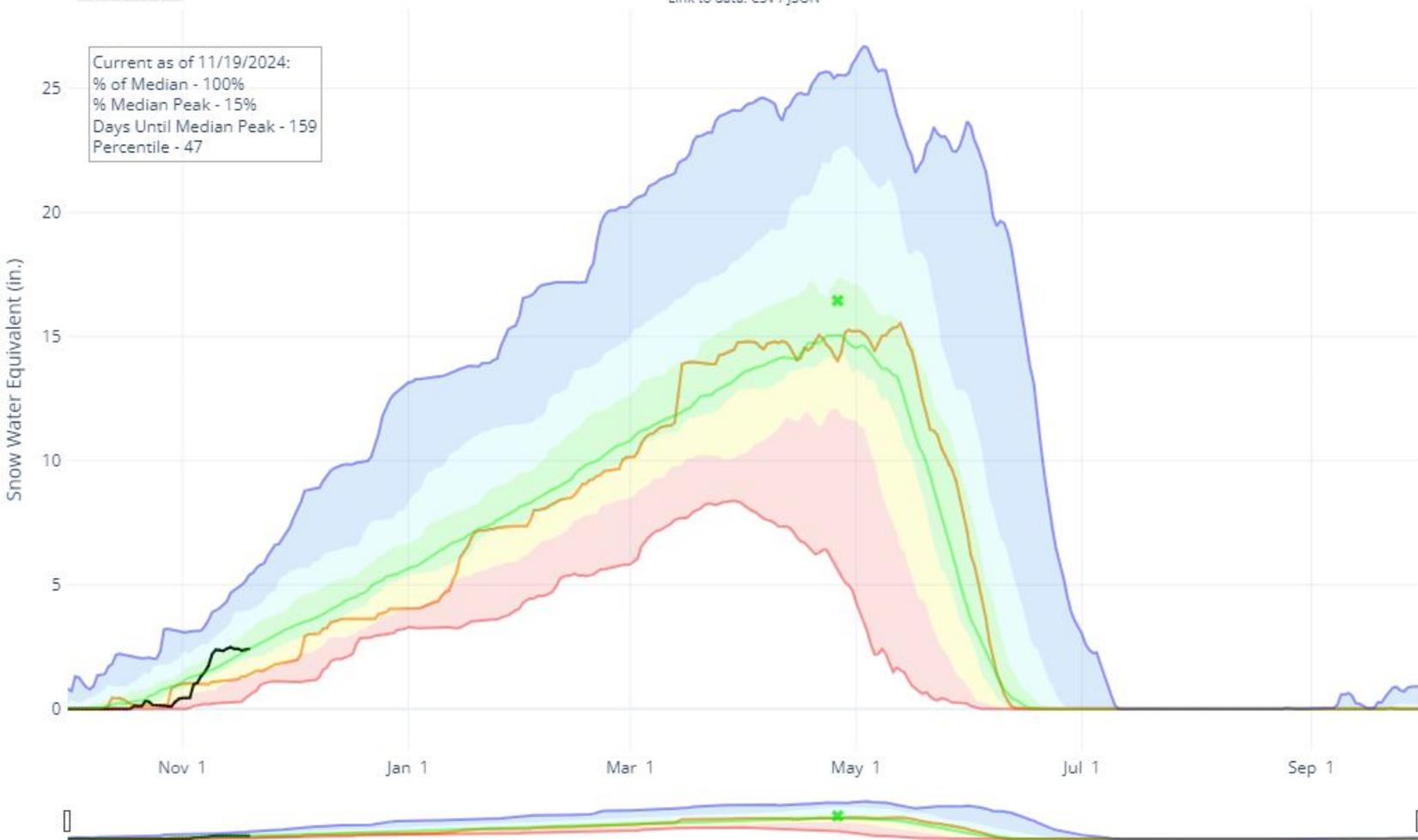
Reset Range

[Link to data: CSV / JSON](#)

Station List

Current as of 11/19/2024:
% of Median - 100%
% Median Peak - 15%
Days Until Median Peak - 159
Percentile - 47

- ✖ Median Peak SWE
- Max
- Median ('91-'20)
- Min
- Stats. Shading
- 2025 (21 sites)
- 2024 (21 sites)



SNOW WATER EQUIVALENT IN ARKANSAS

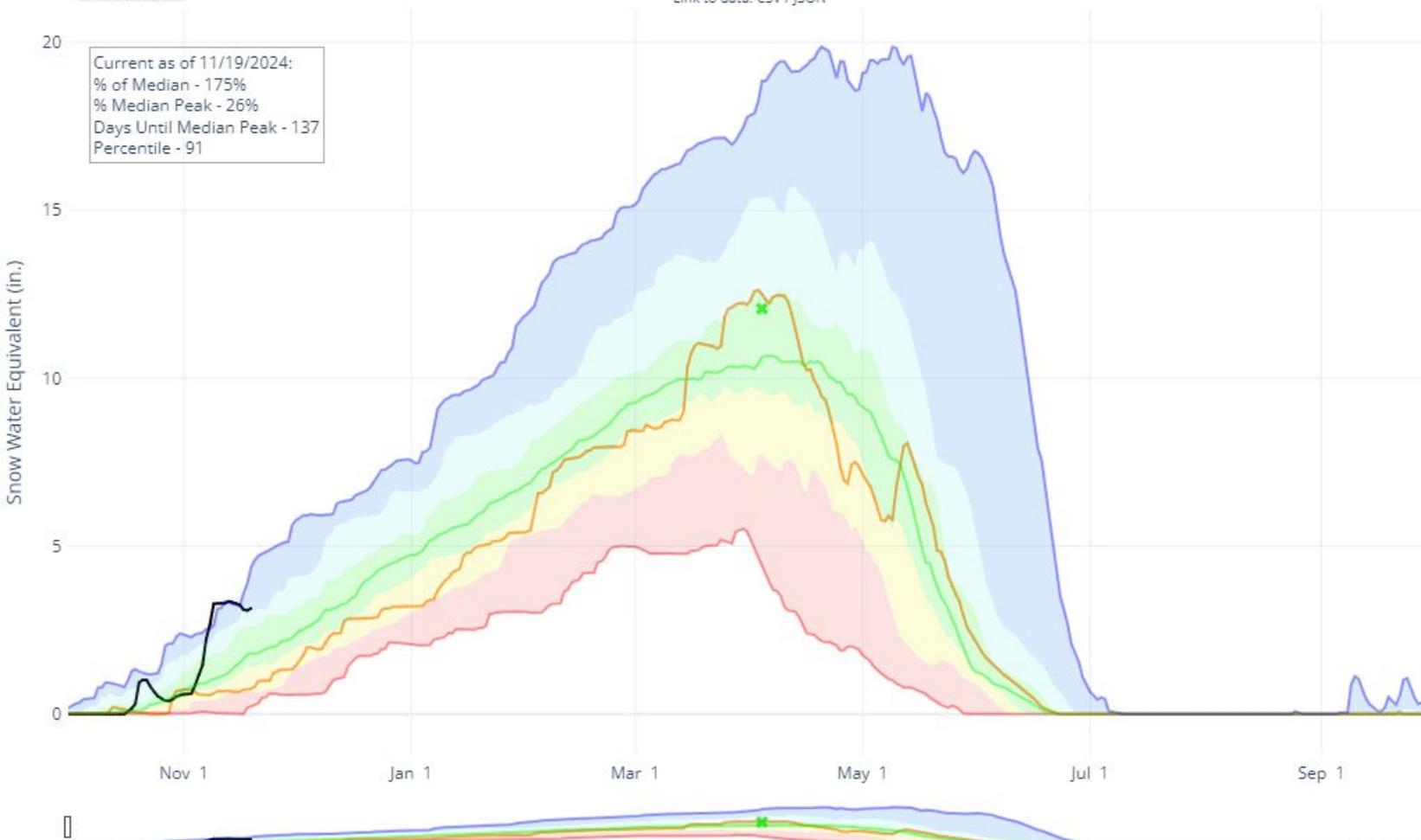
Reset Range

[Link to data: CSV / JSON](#)

Station List

Current as of 11/19/2024:
 % of Median - 175%
 % Median Peak - 26%
 Days Until Median Peak - 137
 Percentile - 91

- ✱ Median Peak SWE
- Max
- Median ('91-'20)
- Min
- Stats. Shading
- 2025 (11 sites)
- 2024 (11 sites)



Summary

- Precipitation - Water year 2024 (10/1/23 – 9/30/24) closed out at 101% of median precipitation across the Mountains of Colorado
 - Major basin totals ranged from 95% of median in the South Platte to 110% of median in the Gunnison
- Mountain precipitation over last 4 months
 - Better in Southern Basins
 - Lacking in Northern Basins
- Antecedent conditions leading into winter - Soil moisture, streamflows, precip point to
 - Slightly above normal in Southern CO
 - Dry in Northern CO
- Mountain Snowpack is currently 116% of median
- At this point in the season Colorado has typically accumulated 15% of the average total snowpack
- Statewide reservoir storage is 98% of median.



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