



United States Department of Agriculture

Colorado Snow Surveys

Water Conditions Monitoring Committee Meeting

June 25th, 2024

NRCS Snow Survey and Water Supply Forecasting Program

Brian Domonkos

Hydrologist

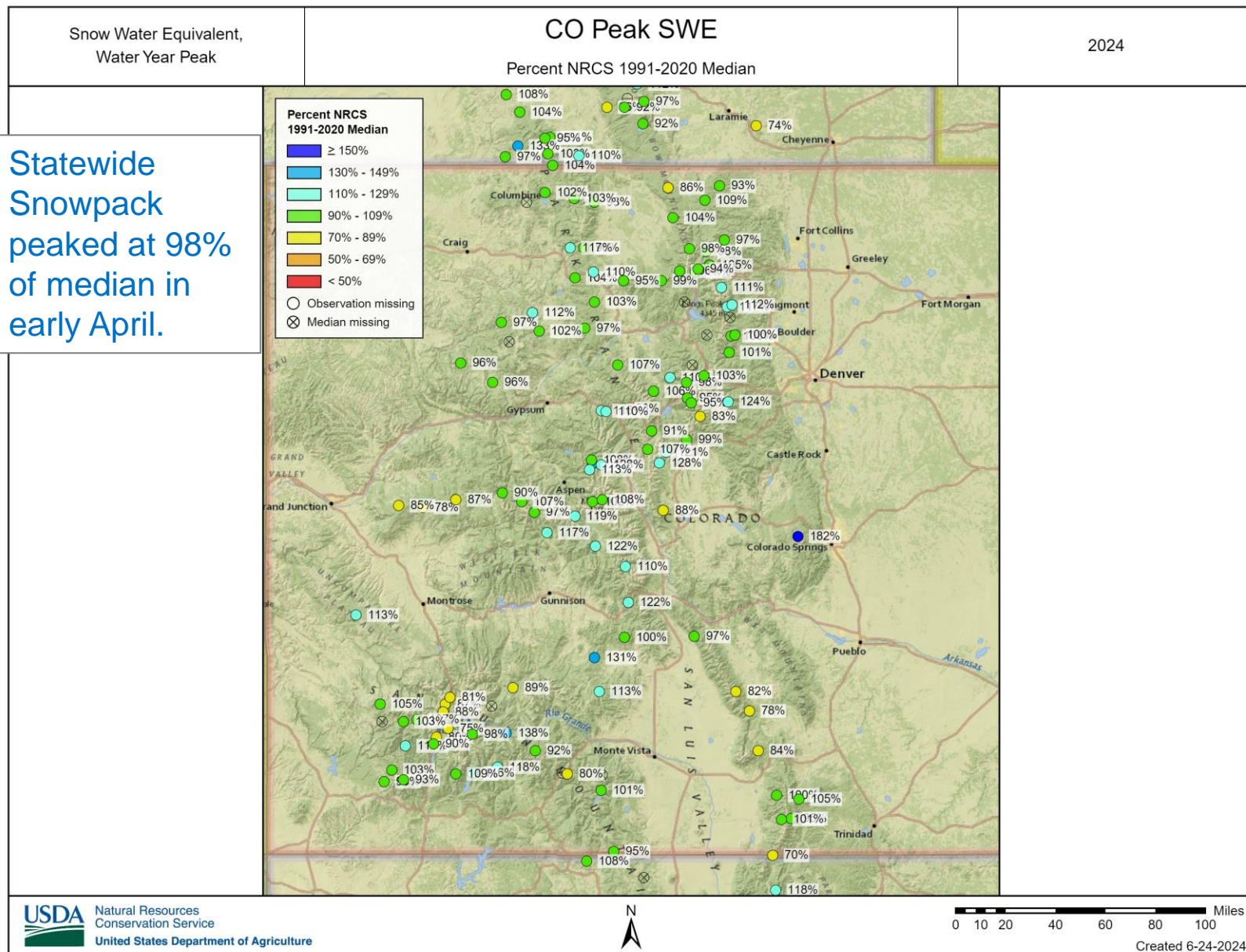
Brian.Domonkos@usda.gov

720-544-2853

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

Snowpack

Statewide
Snowpack
peaked at 98%
of median in
early April.

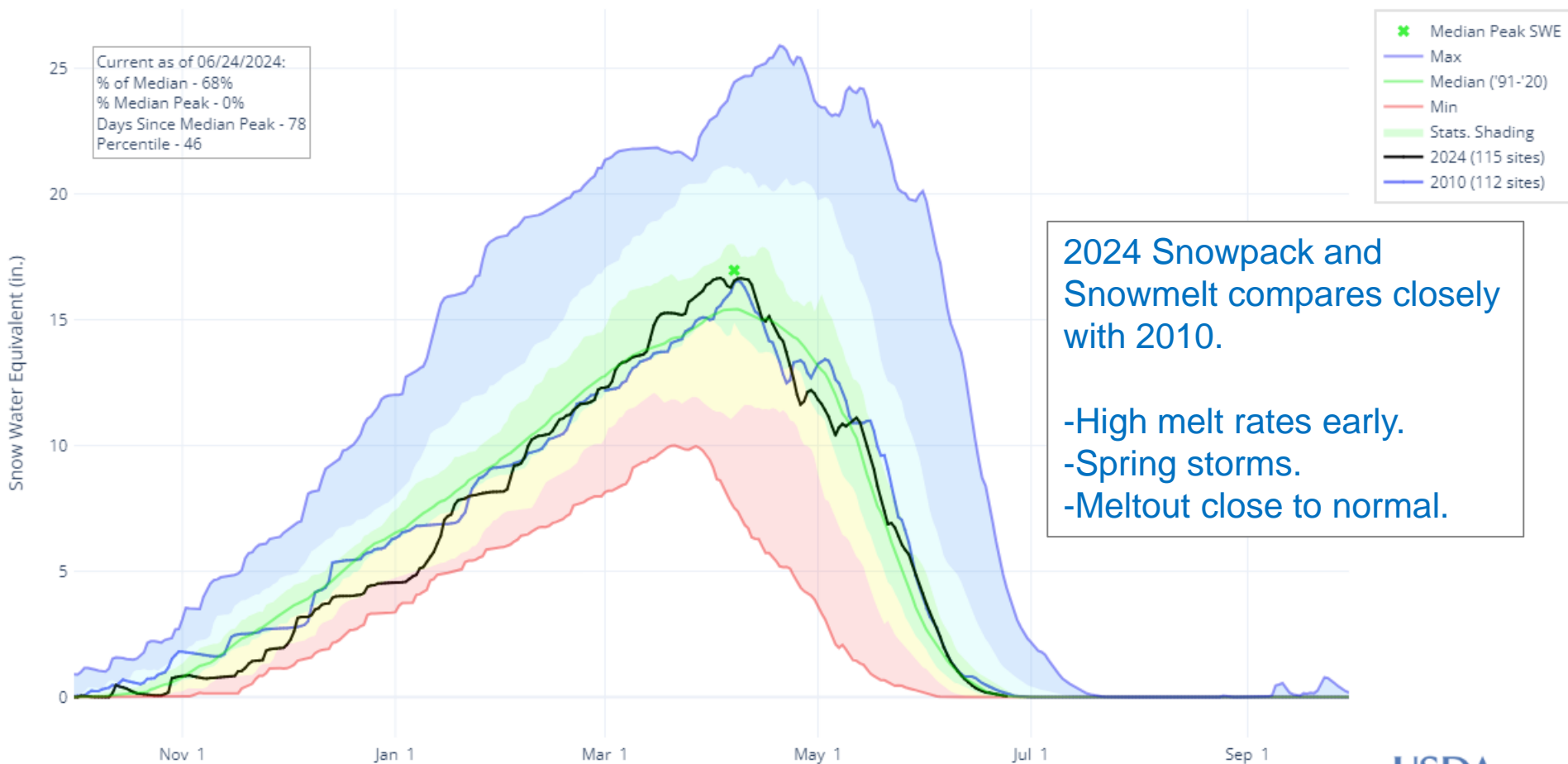




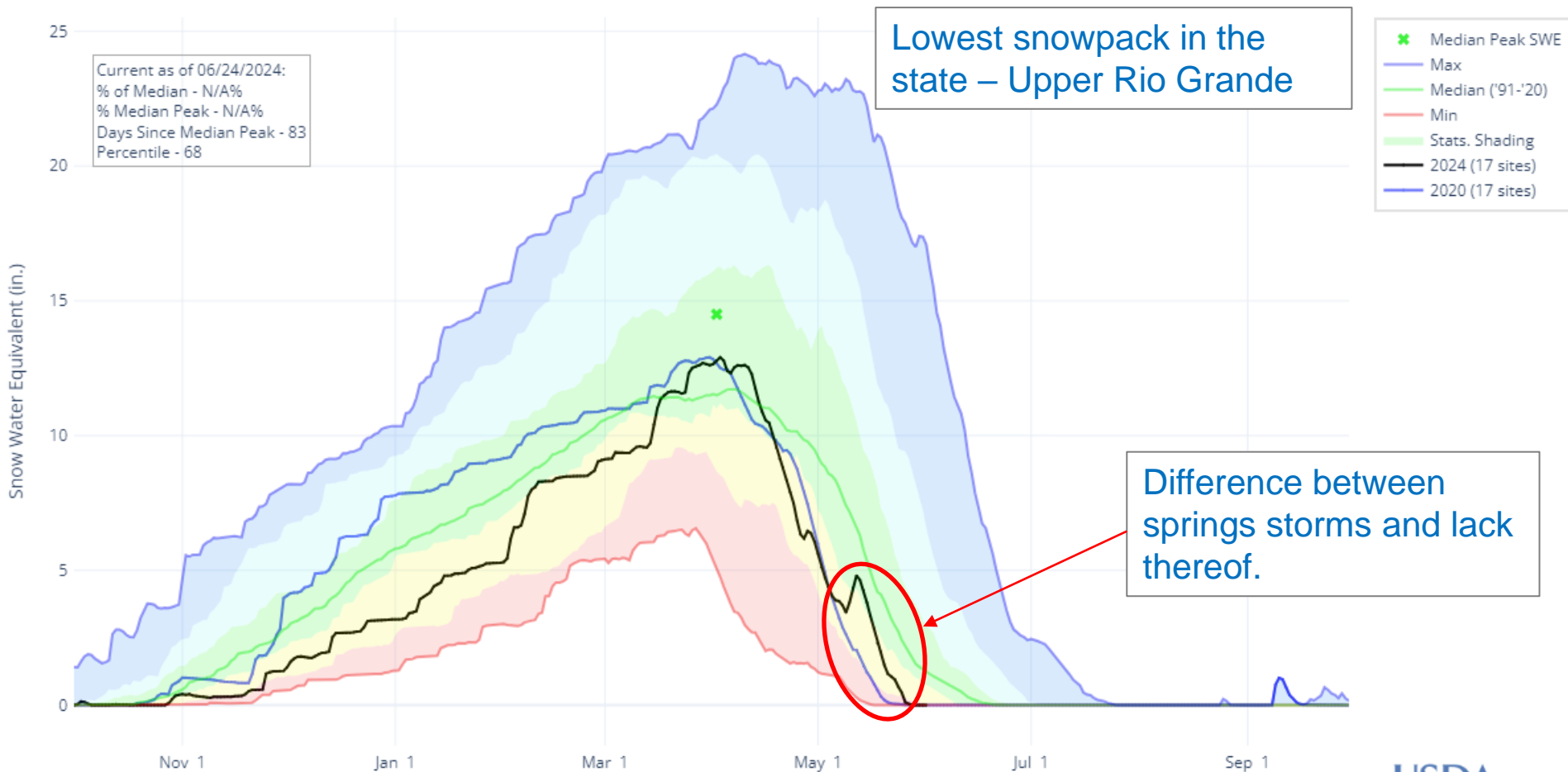
Colorado Snow Surveys

Basin	Normal Peak Date	Normal Peak SWE	Peak Date	Peak SWE	% of Norm Peak SWE	% of Norm SWE 5/20
SMDASJ	4/1	18.6	4/2	18.1	97%	47%
URG	4/2	14.5	4/3	12.9	89%	41%
Arkansas	4/3	12.0	4/3	12.6	105%	136%
Yampa-White-LS	4/7	21.3	4/6	22.0	103%	119%
Gunnison	4/8	17.9	4/10	16.3	91%	98%
Colorado Headwaters	4/12	17.5	4/11	17.1	98%	117%
NP-Laramie	4/21	24.7	4/18*	23.7*	96%	109%
S. Platte	4/24	16.7	5/13	15.5	93%	120%
Statewide	4/7	17.0	4/3	16.7	98%	109%
* = a second (lesser) peak occurred on 5/11 at 23.6 inches of SWE						

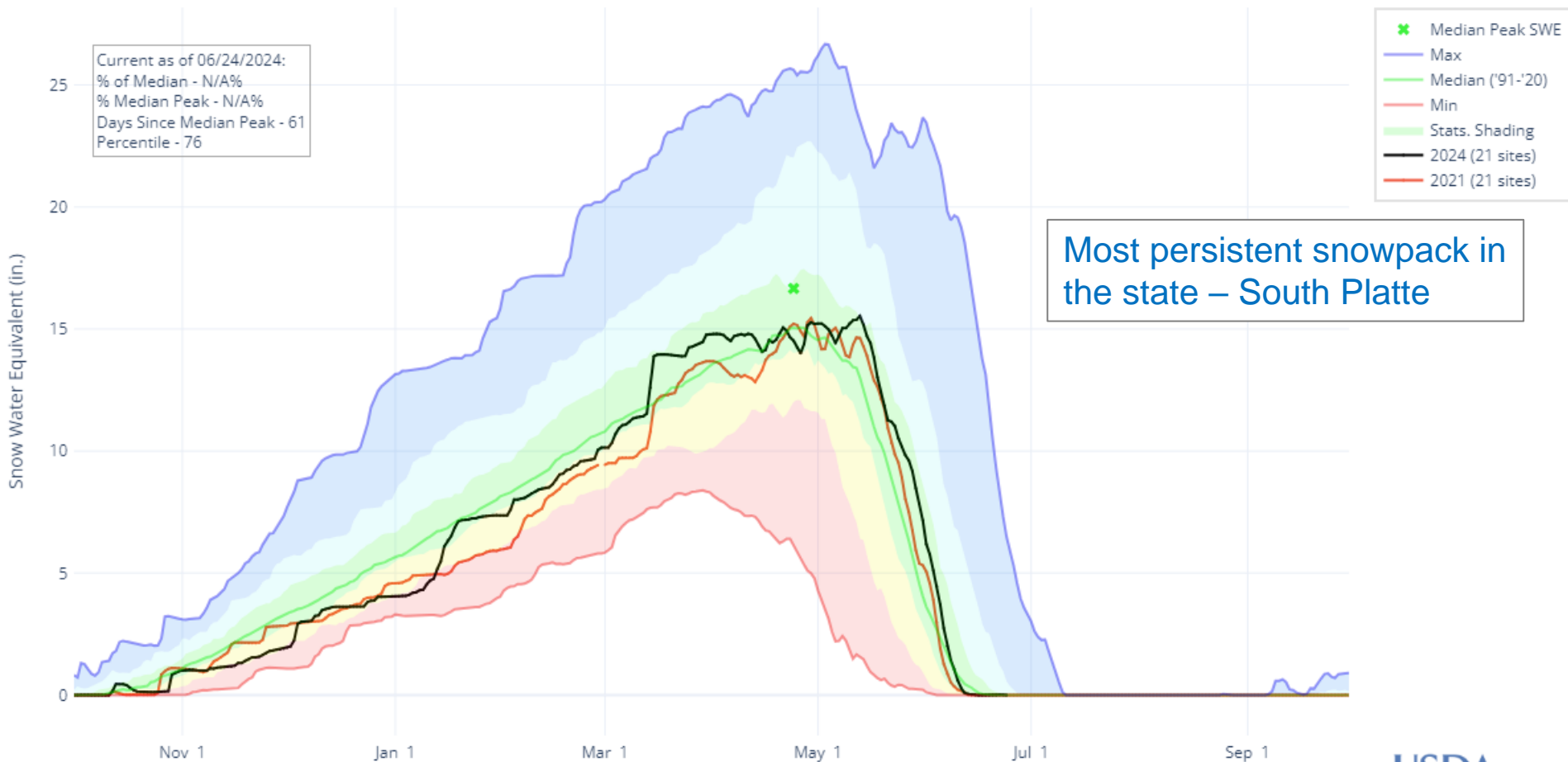
SNOW WATER EQUIVALENT IN STATE OF COLORADO



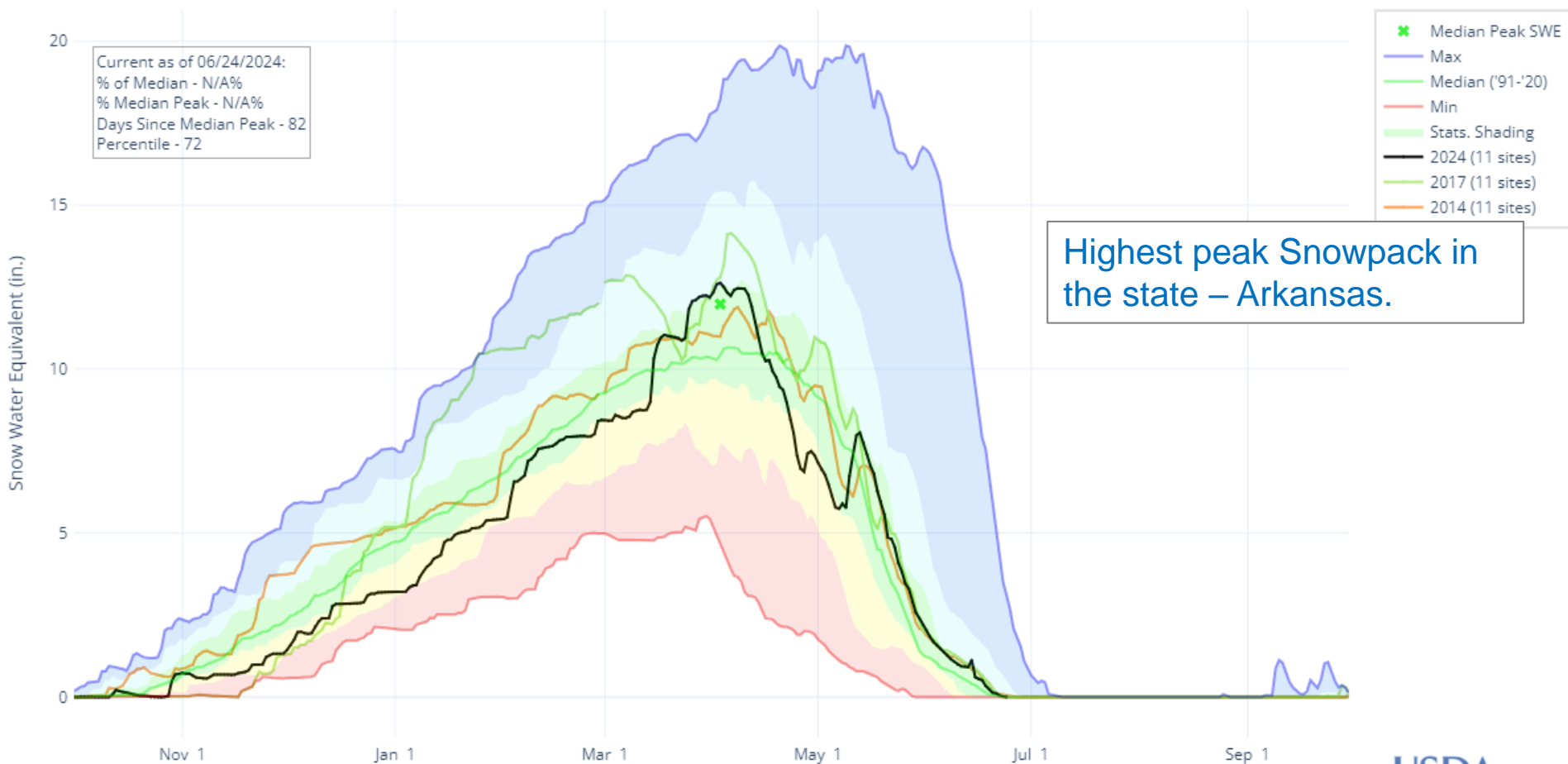
SNOW WATER EQUIVALENT IN UPPER RIO GRANDE



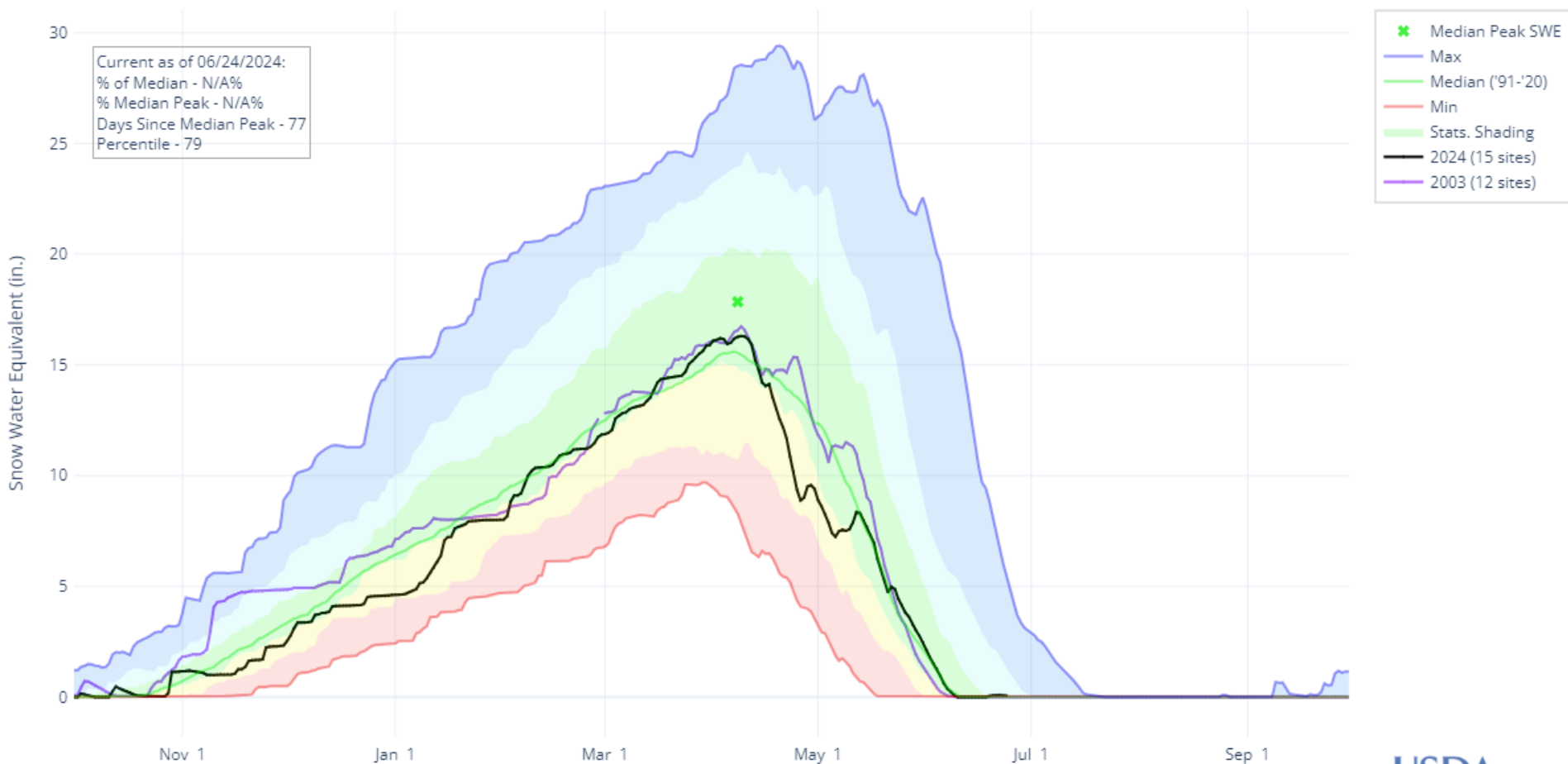
SNOW WATER EQUIVALENT IN SOUTH PLATTE



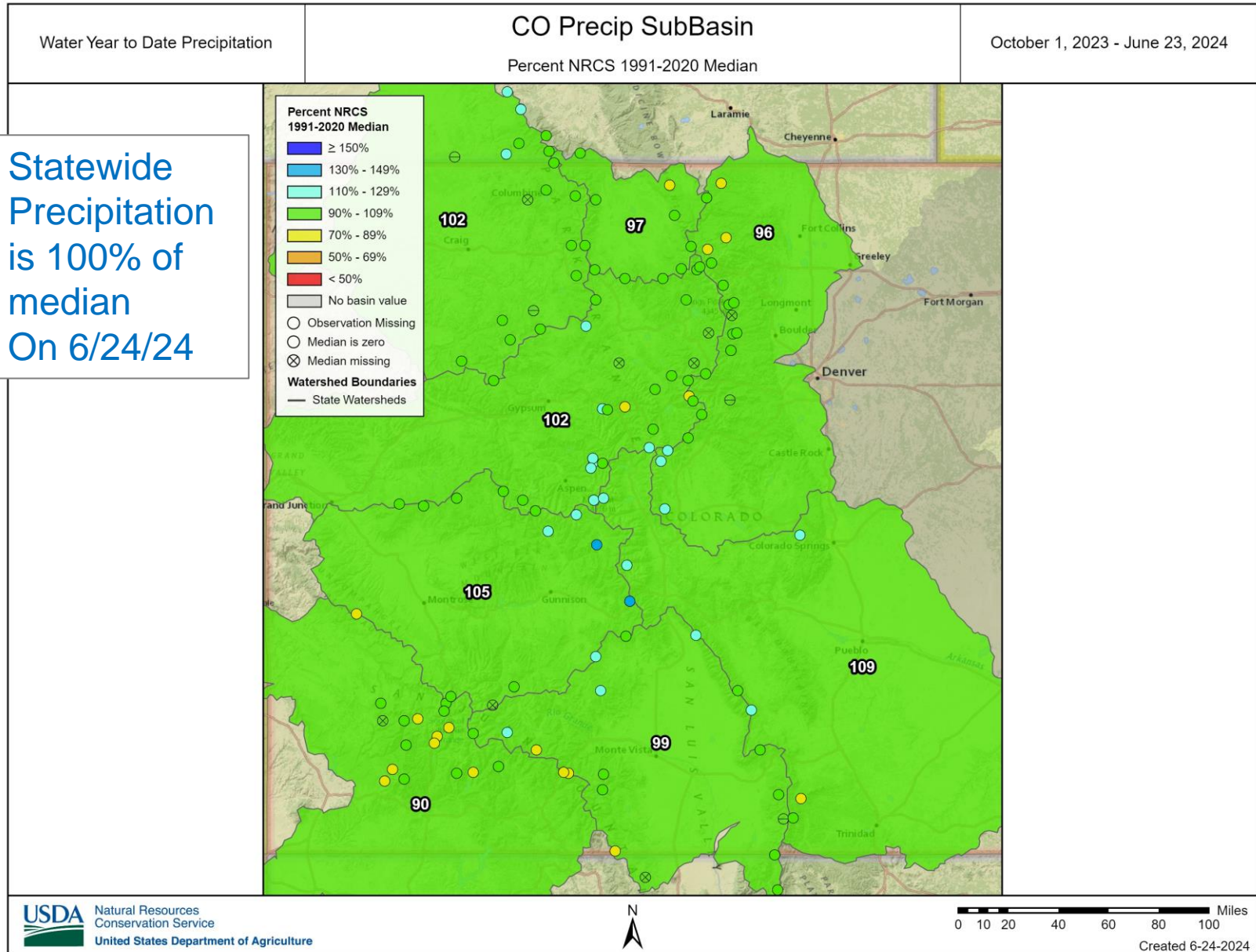
SNOW WATER EQUIVALENT IN ARKANSAS



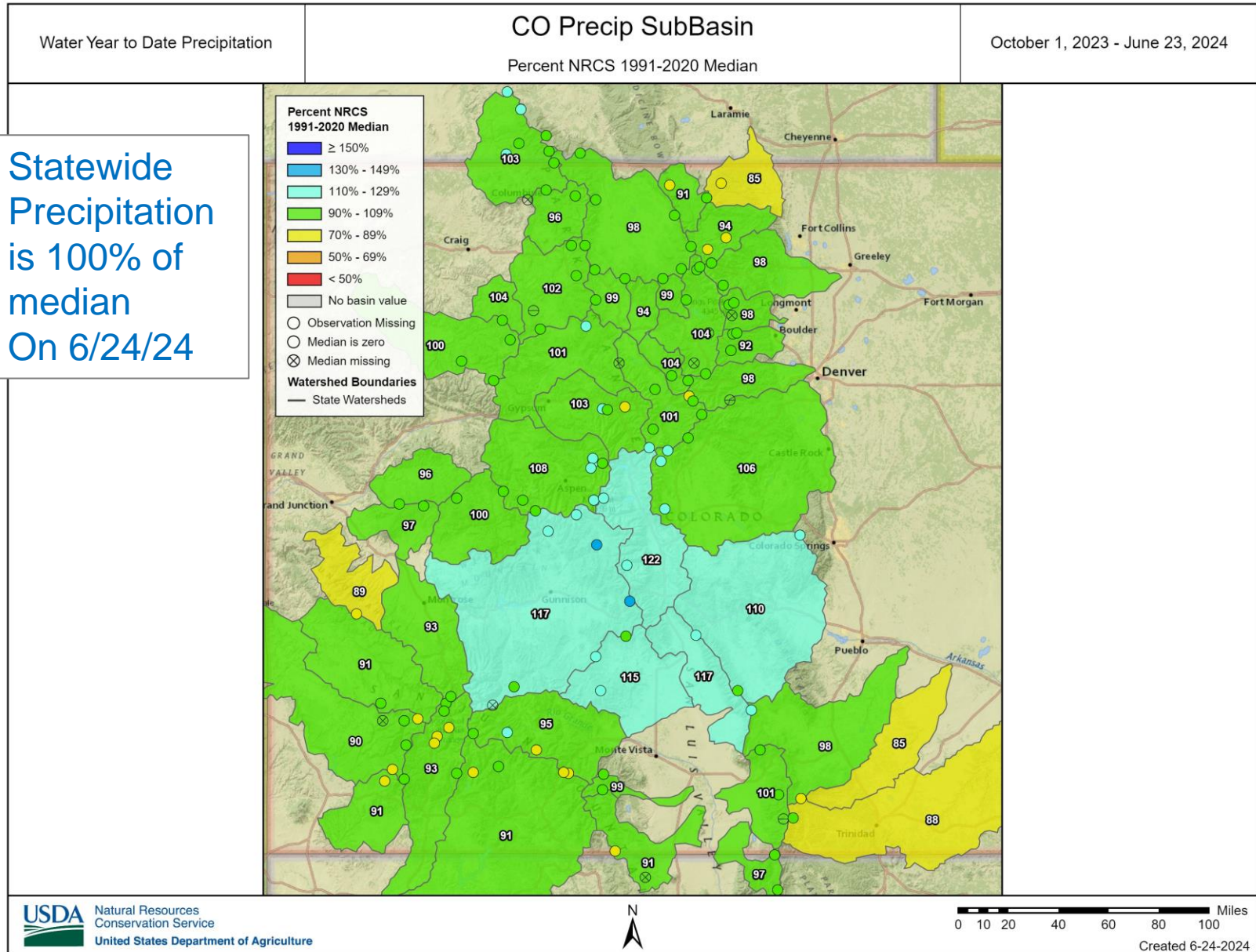
SNOW WATER EQUIVALENT IN GUNNISON



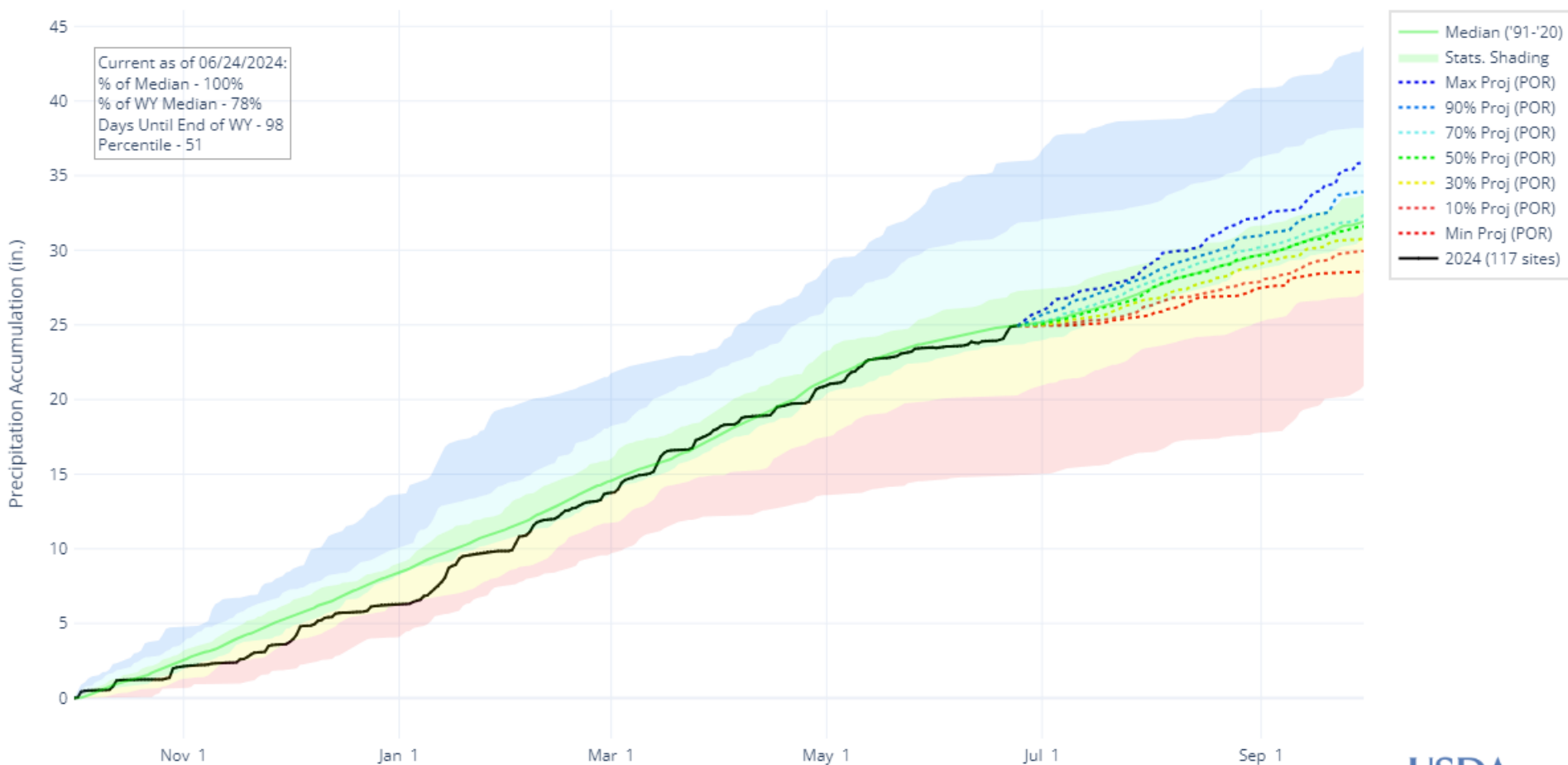
Statewide
Precipitation
is 100% of
median
On 6/24/24



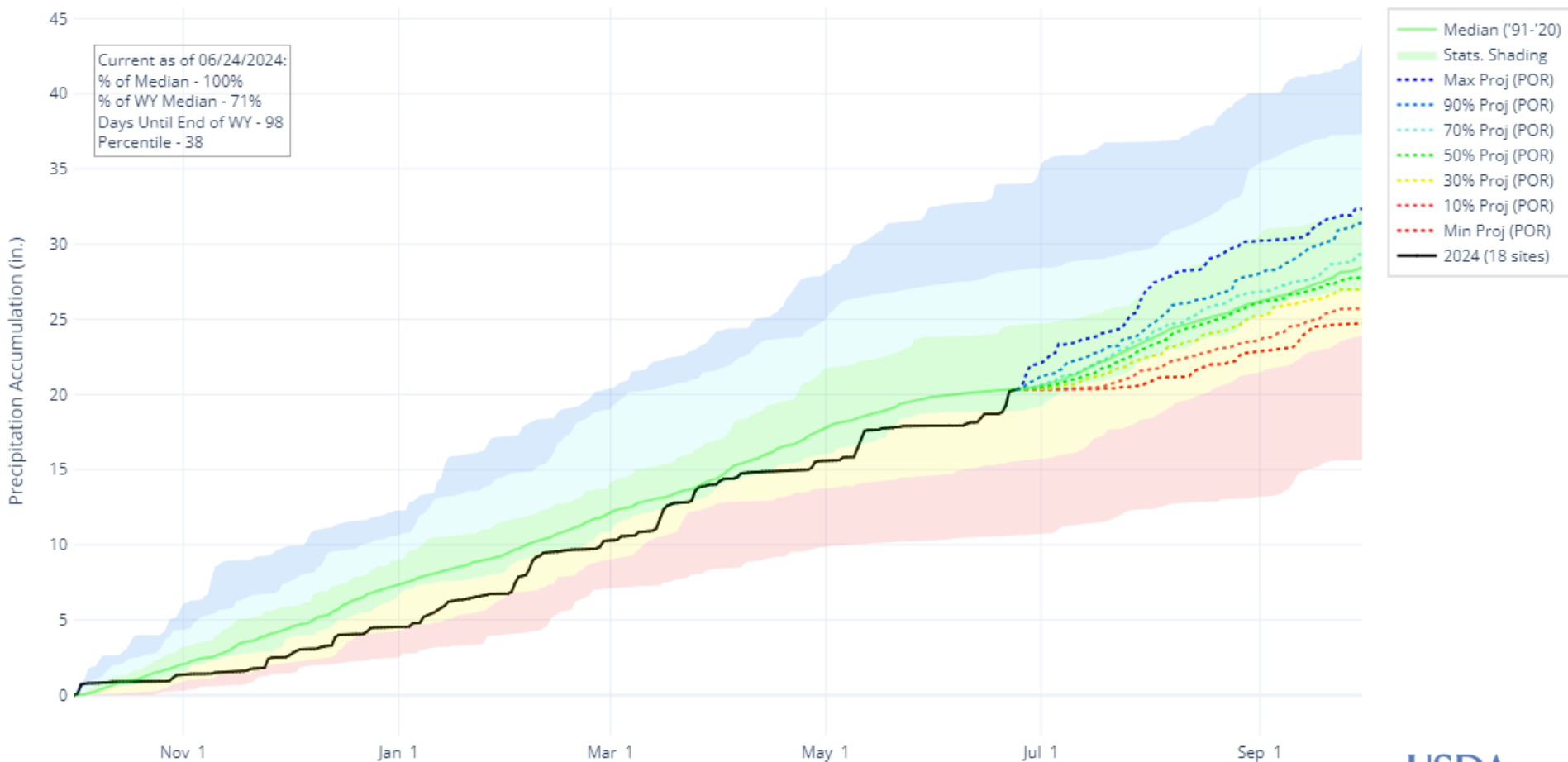
Statewide
Precipitation
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median
On 6/24/24



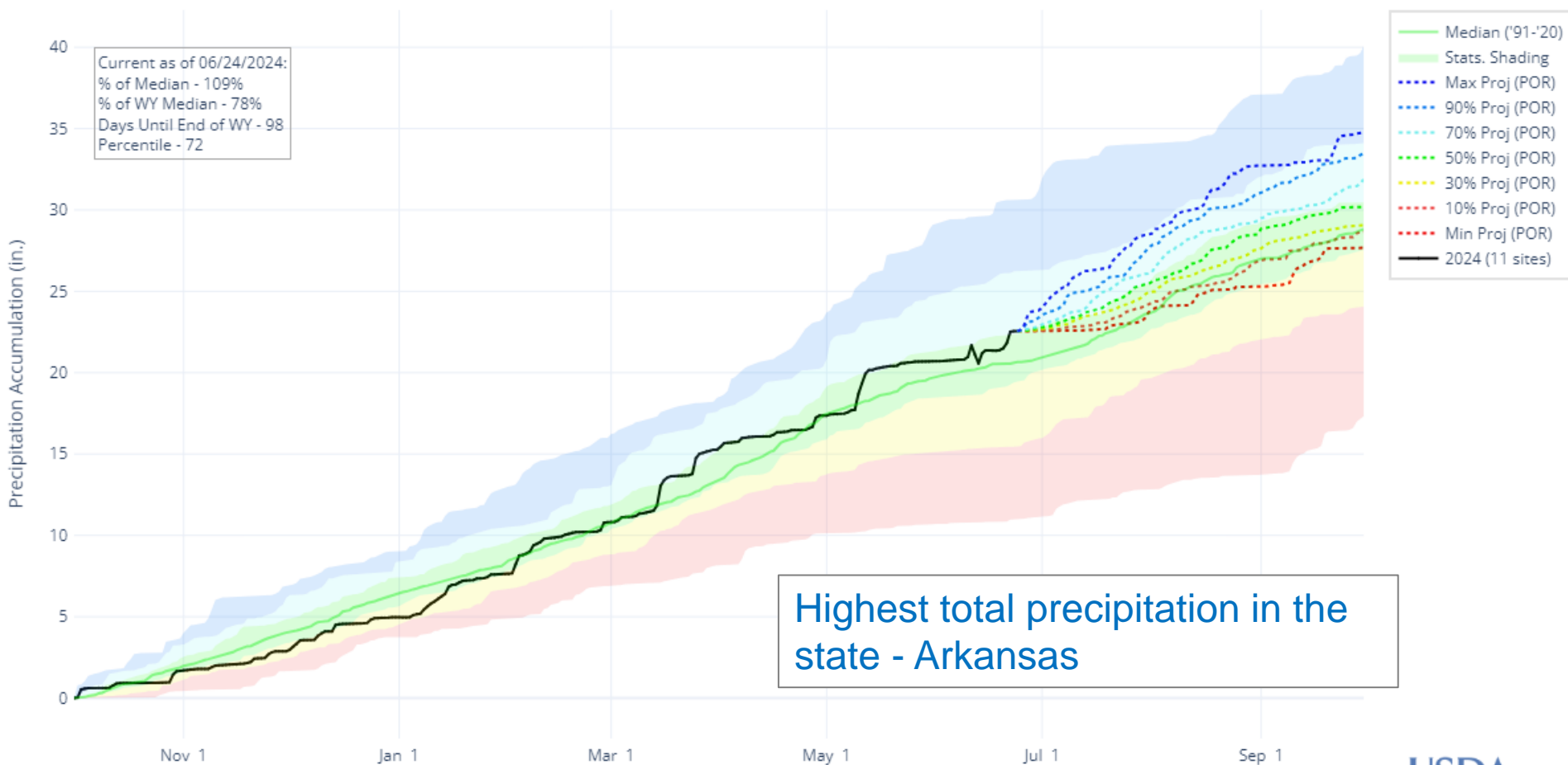
PRECIPITATION ACCUMULATION PROJECTION IN STATE OF COLORADO



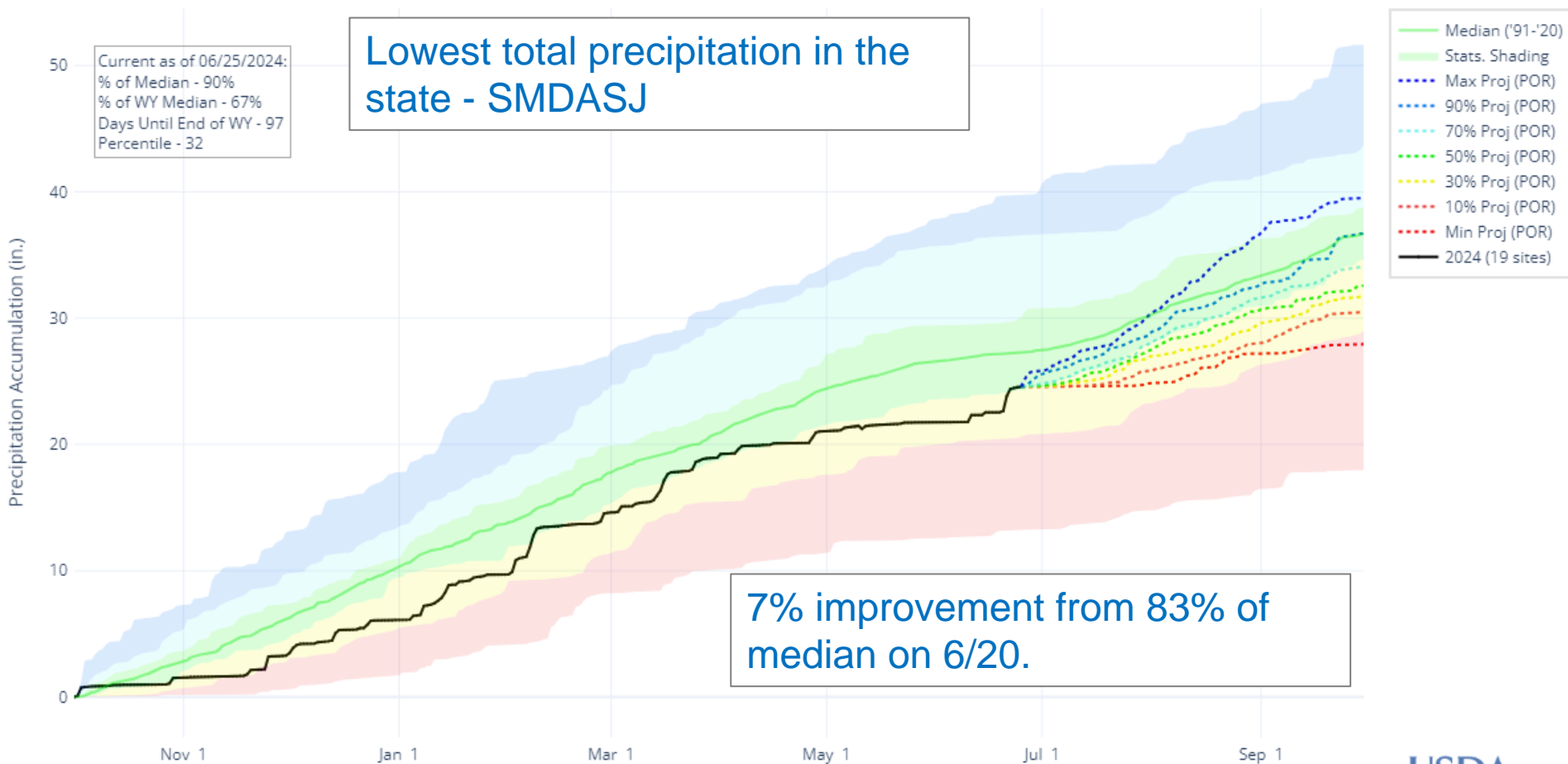
PRECIPITATION ACCUMULATION PROJECTION IN UPPER RIO GRANDE

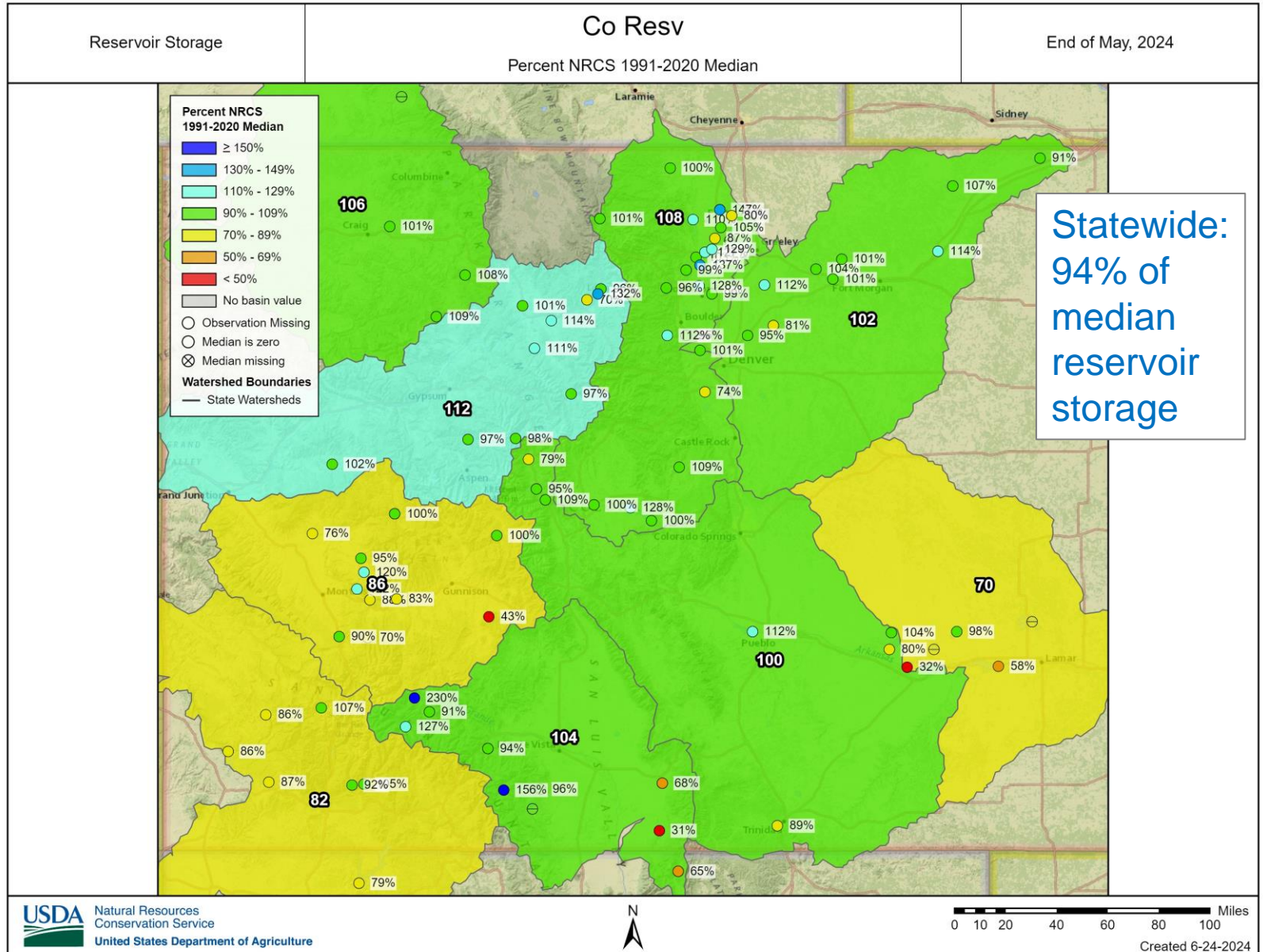


PRECIPITATION ACCUMULATION PROJECTION IN ARKANSAS

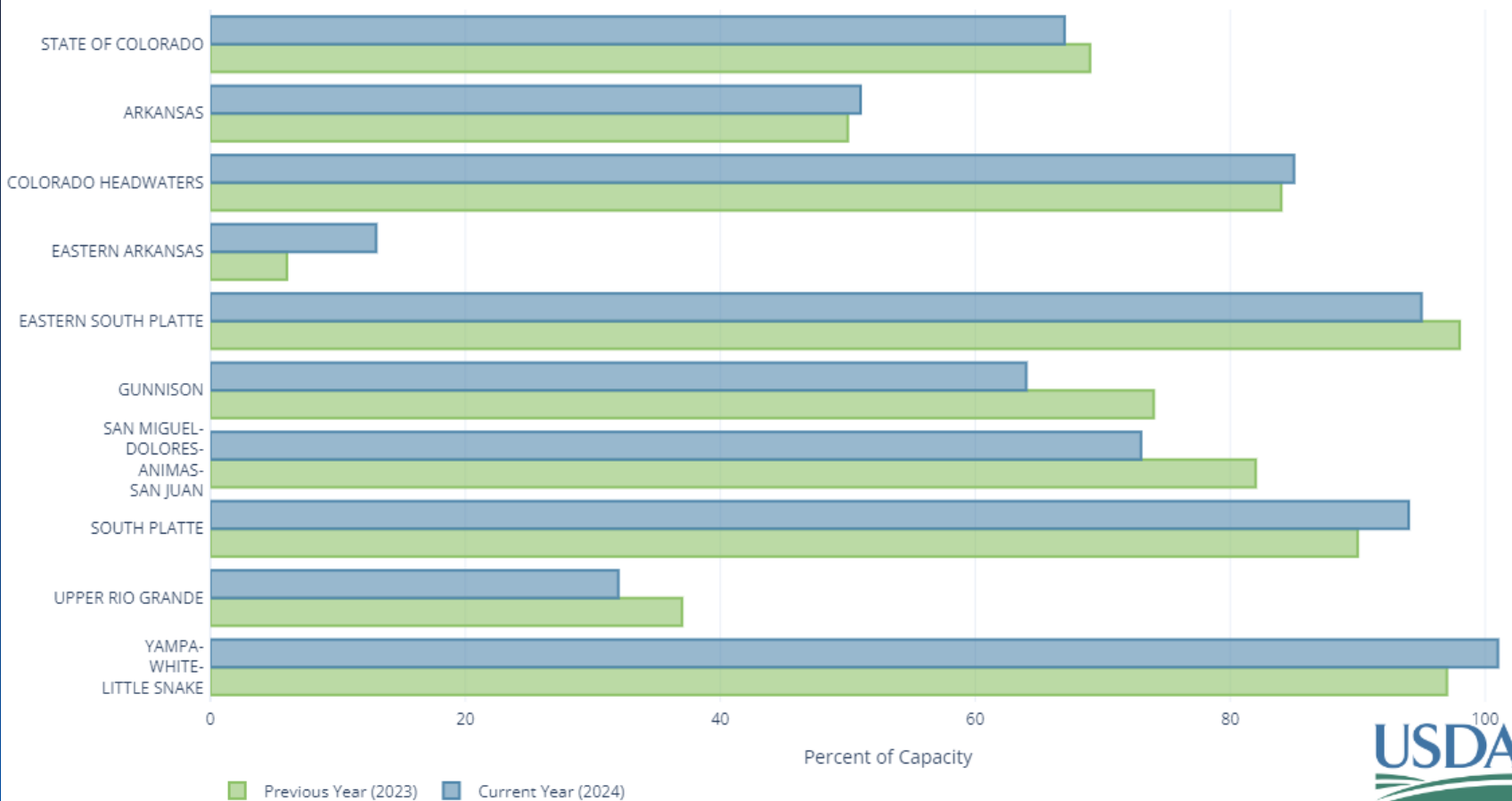


PRECIPITATION ACCUMULATION PROJECTION IN SAN MIGUEL-DOLORES-ANIMAS-SAN JUAN

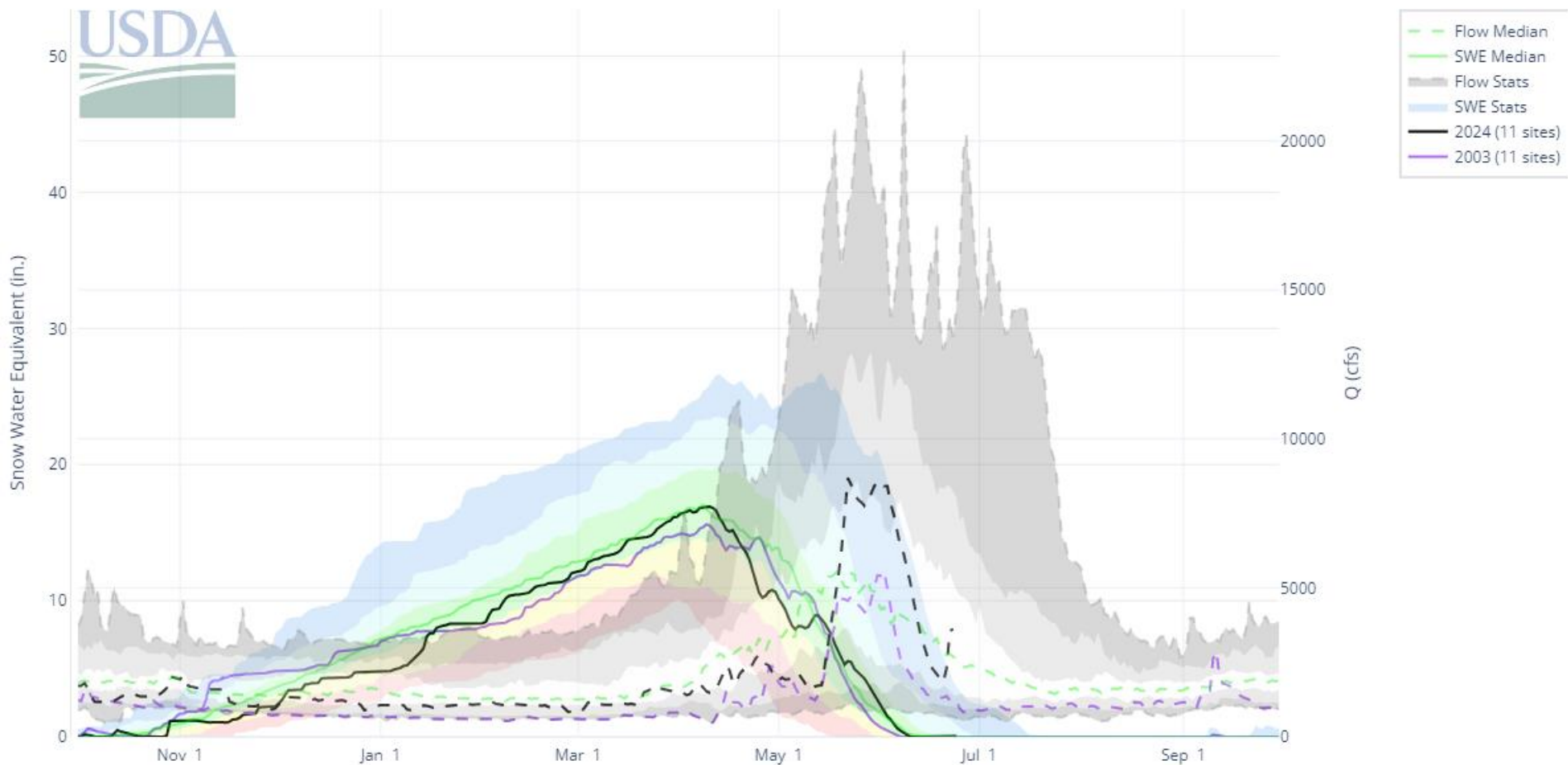




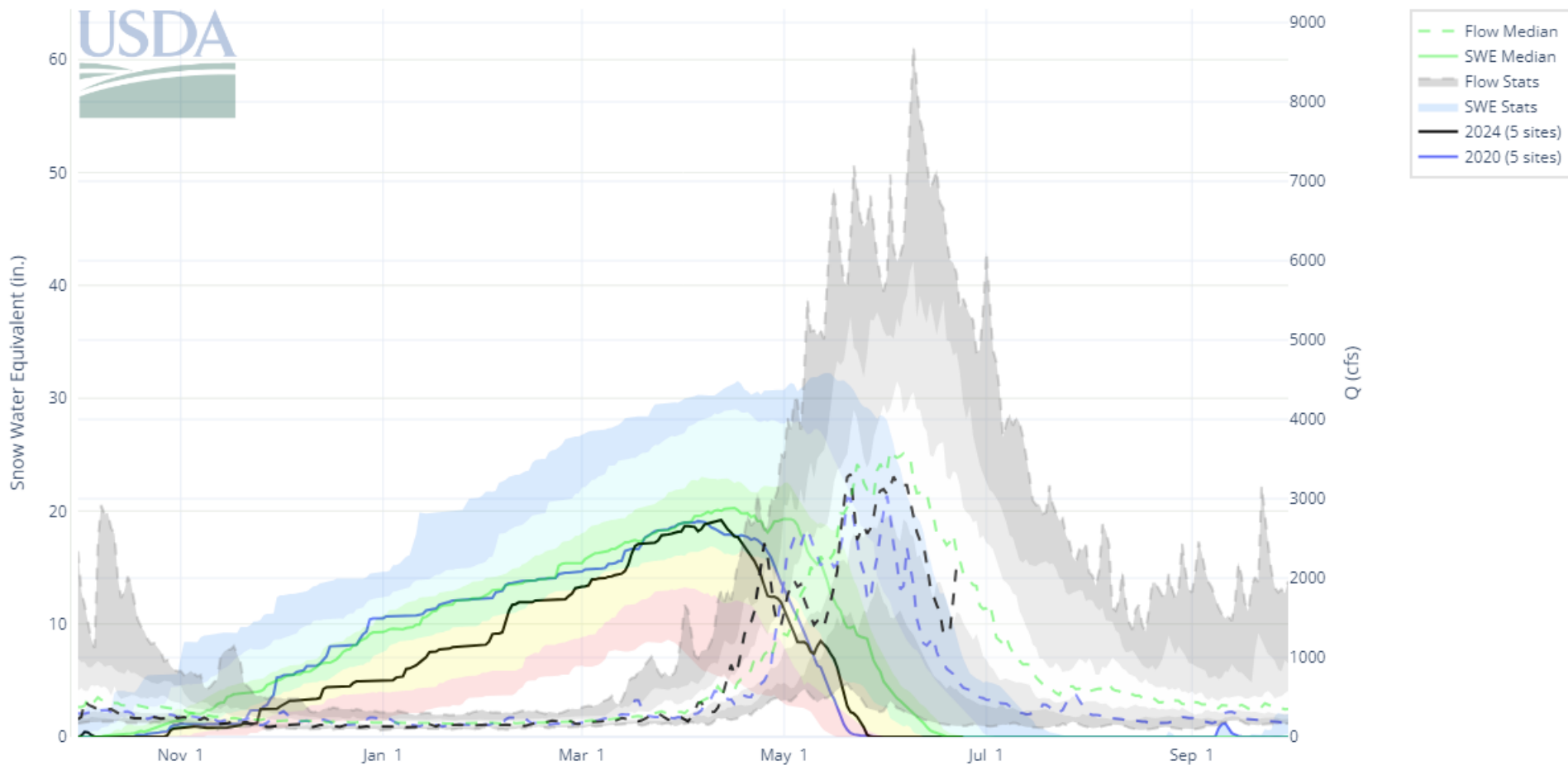
RESERVOIR STORAGE IN COLORADO
END OF MAY 2024



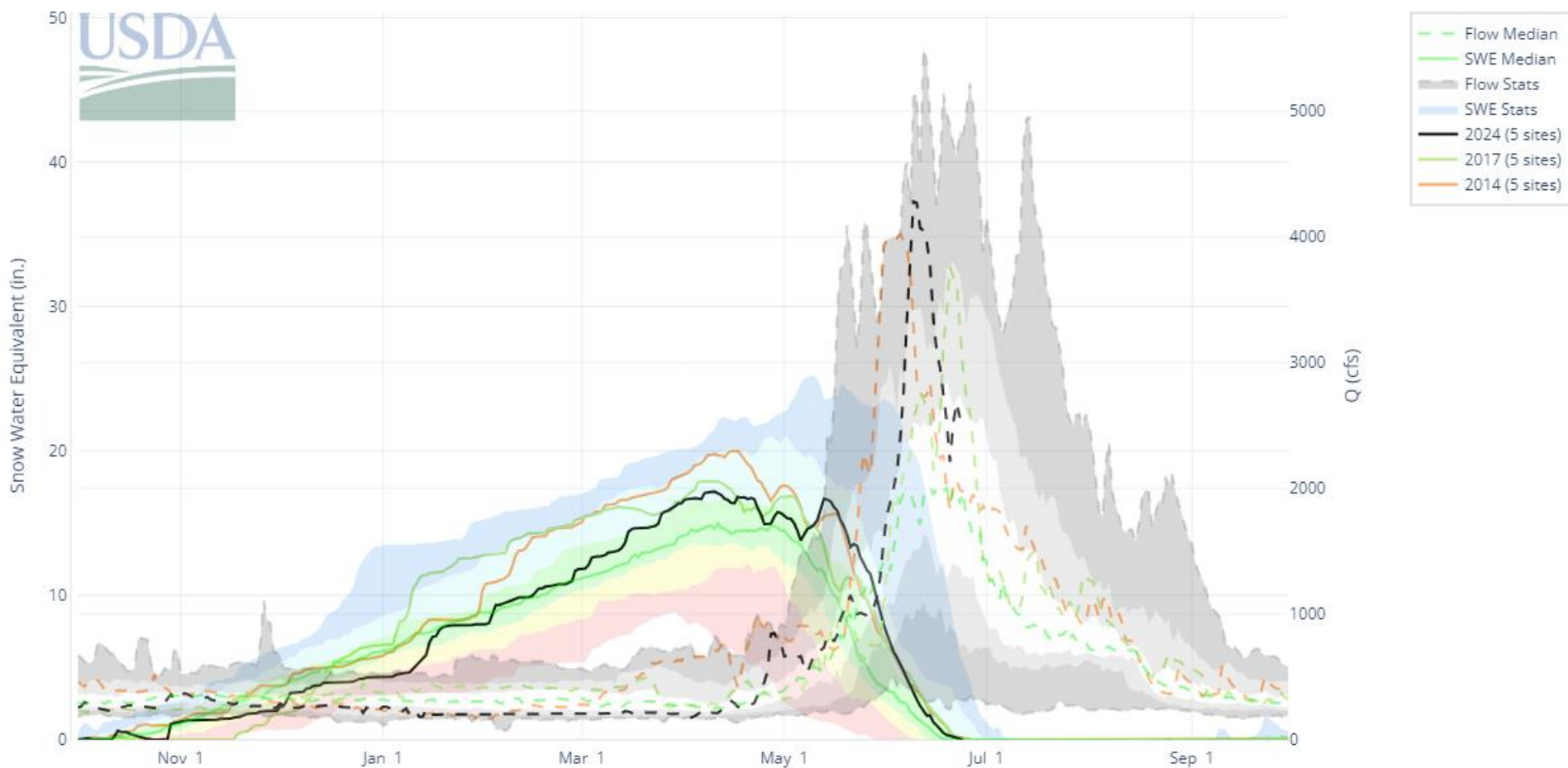
Gunnison R nr Grand Junction Snow to Flow Plot



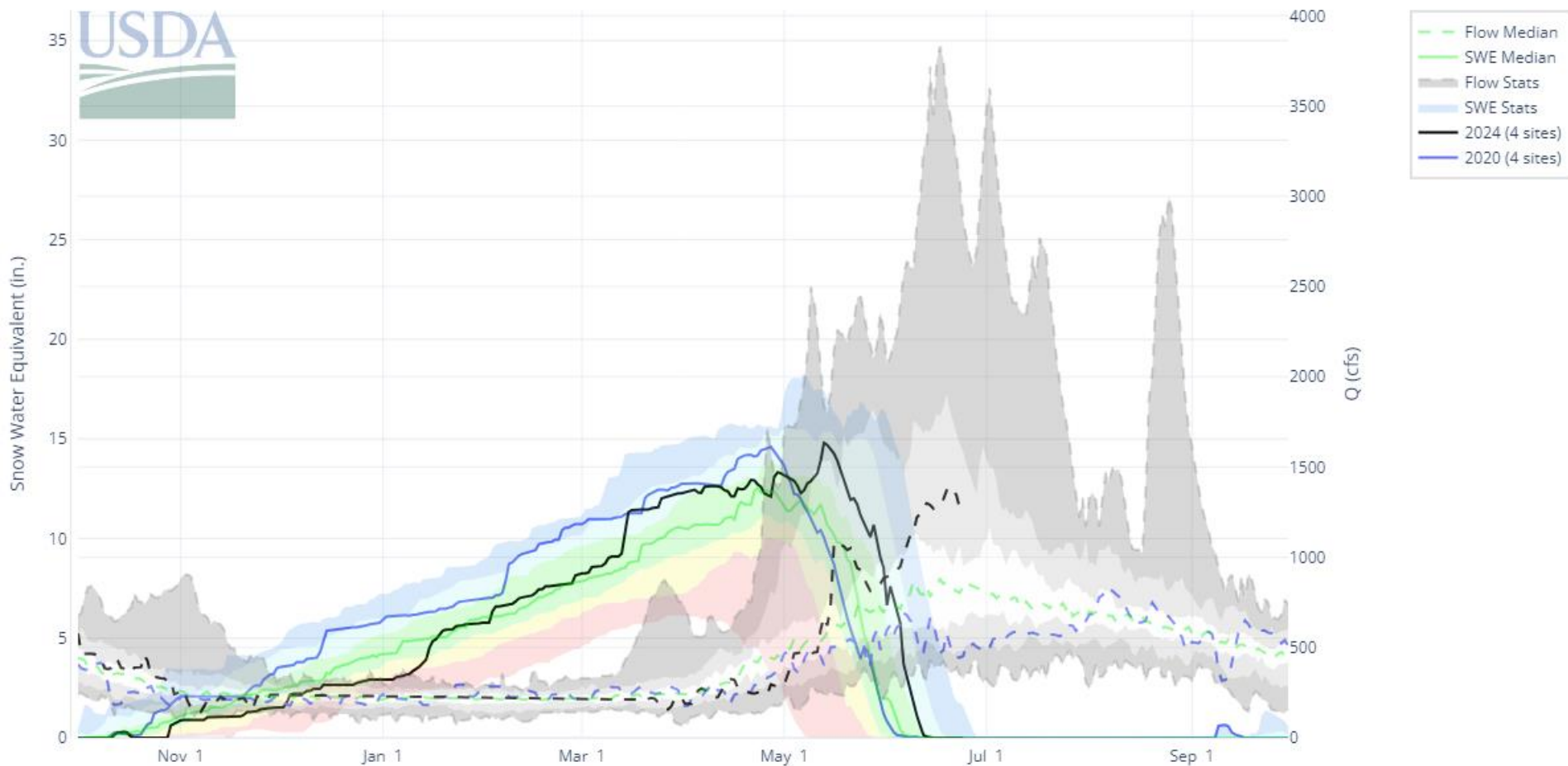
Rio Grande nr Del Norte Snow to Flow Plot



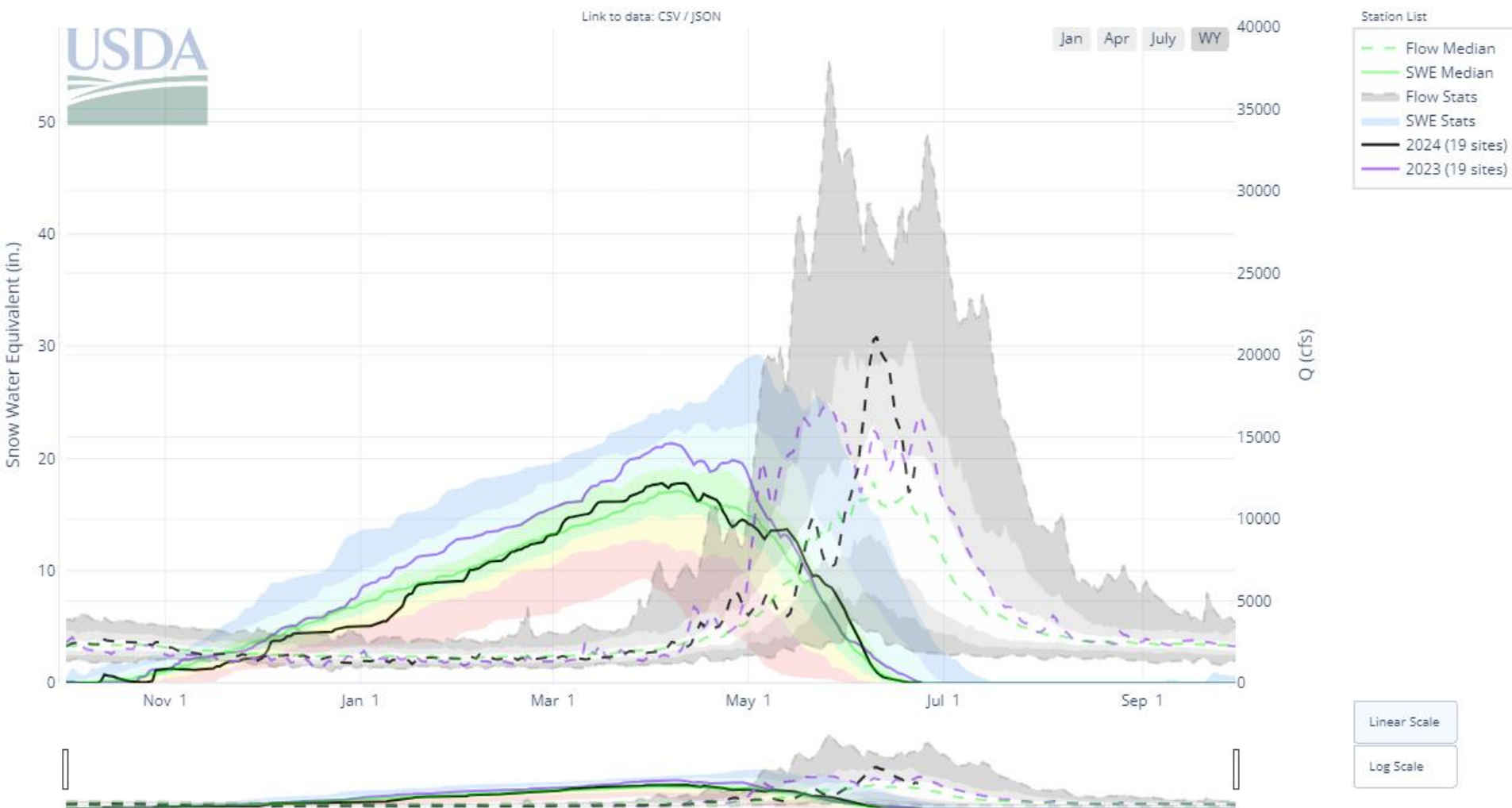
Arkansas R at Salida Snow to Flow Plot



South Platte R at South Platte Snow to Flow Plot



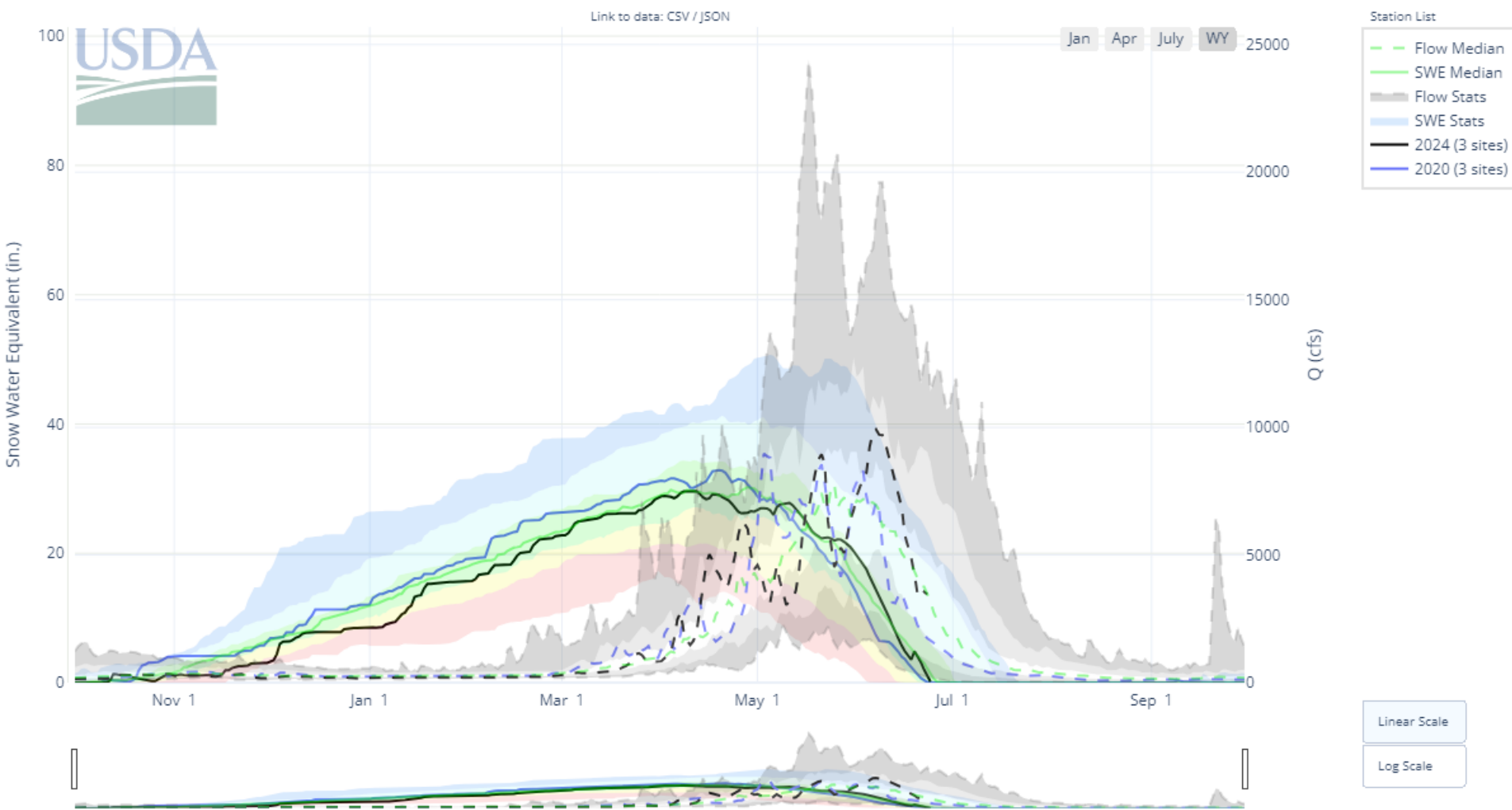
Colorado R nr Cameo Snow to Flow Plot





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Yampa R nr Maybell Snow to Flow Plot

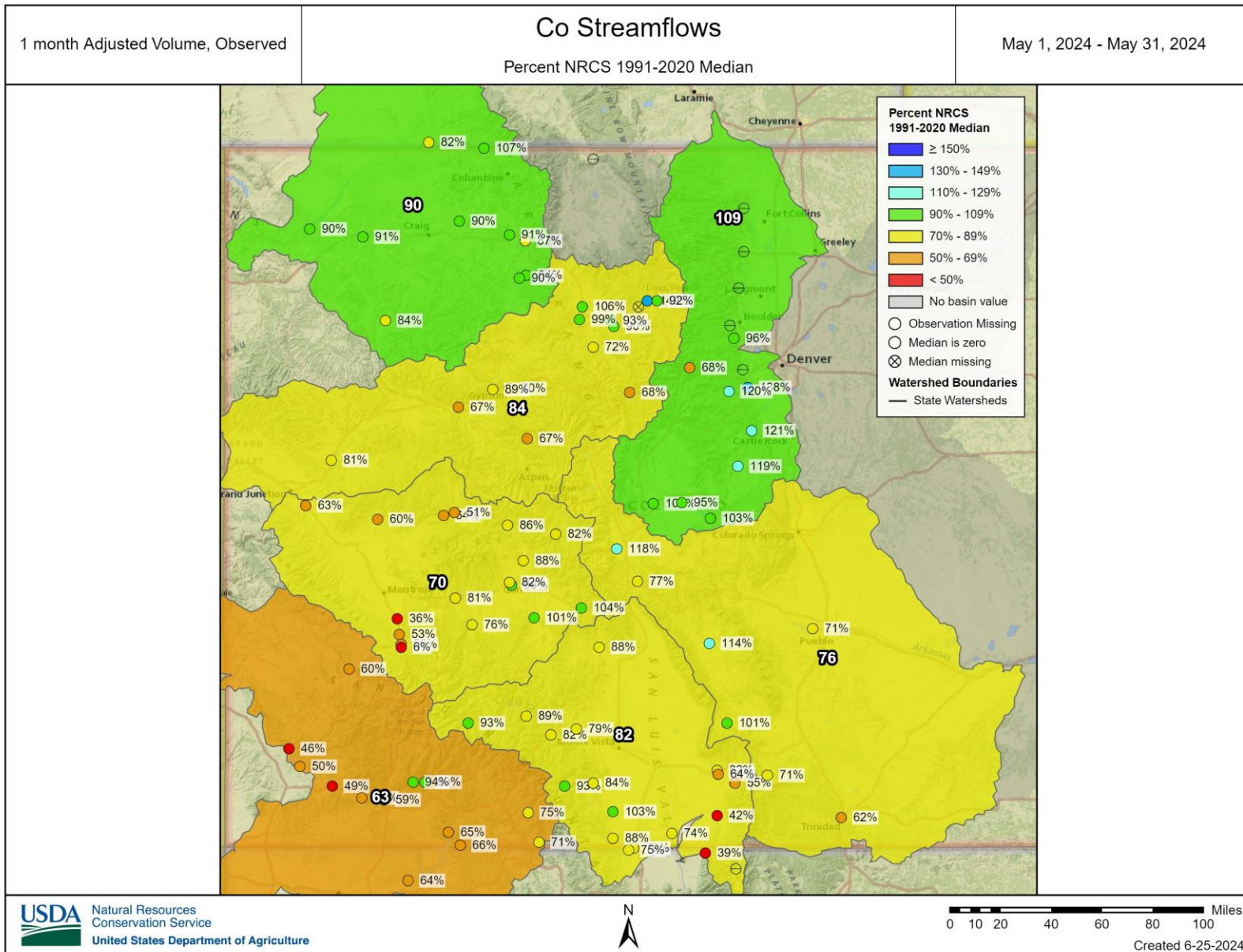




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May Streamflows Observed

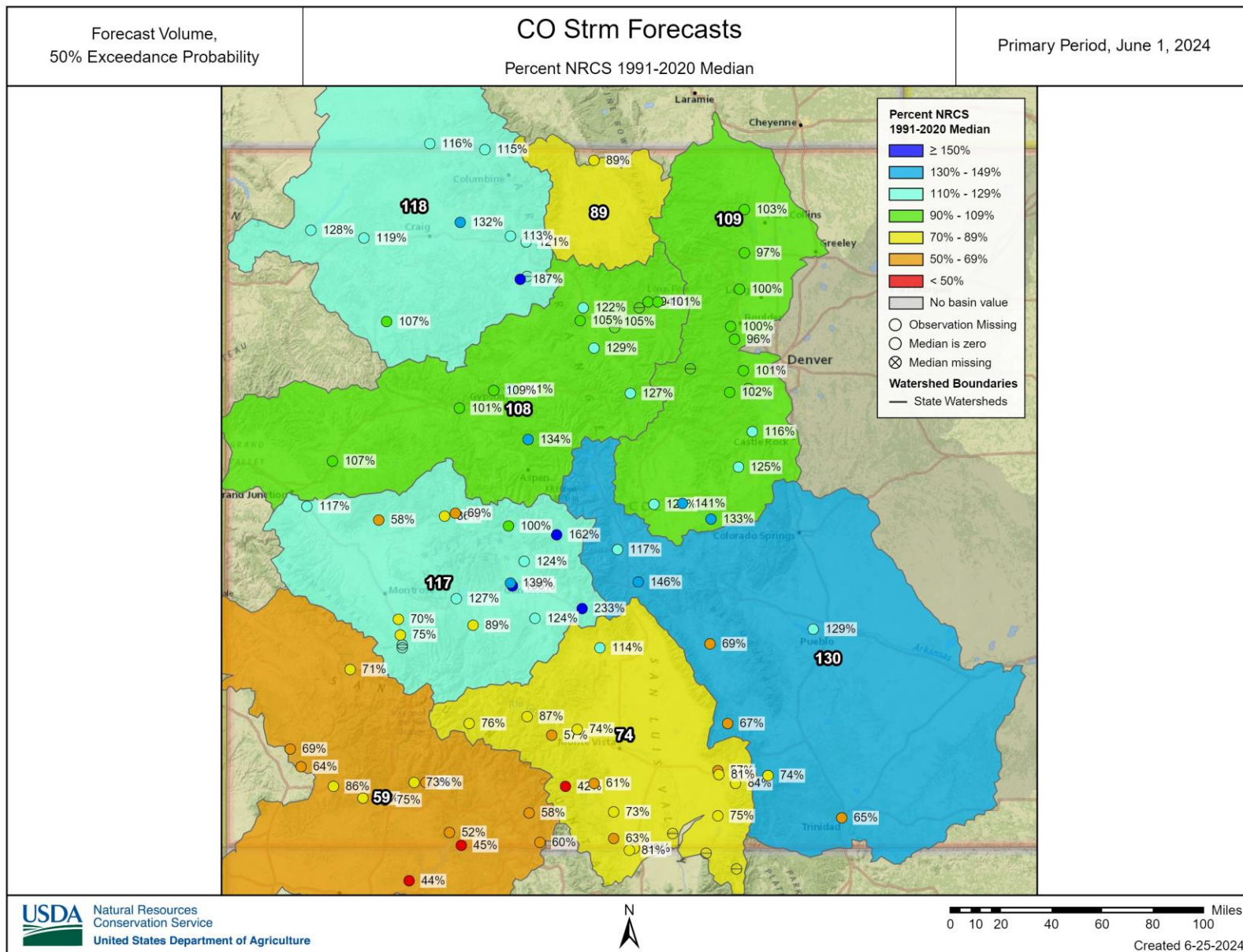




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Streamflow Forecasts

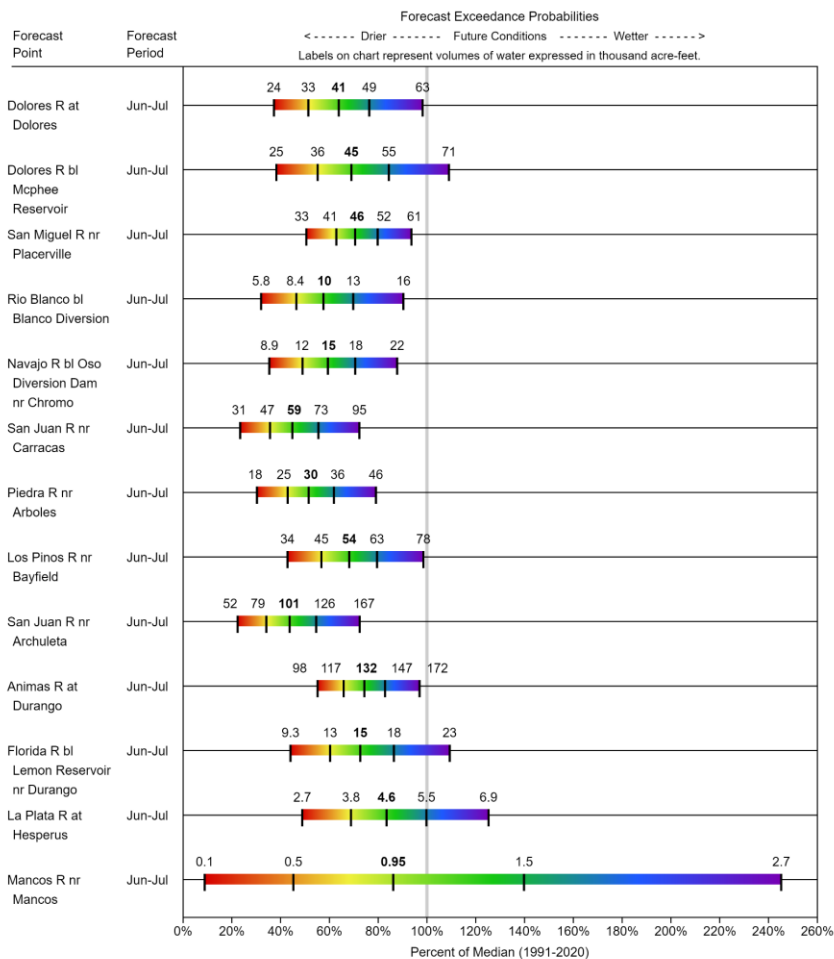




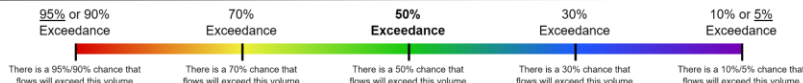
SAN MIGUEL-DOLORES-ANIMAS-SAN JUAN

Water Supply Forecasts

June 1, 2024



Legend



When selected, the following historic streamflow values and statistics will be shown.

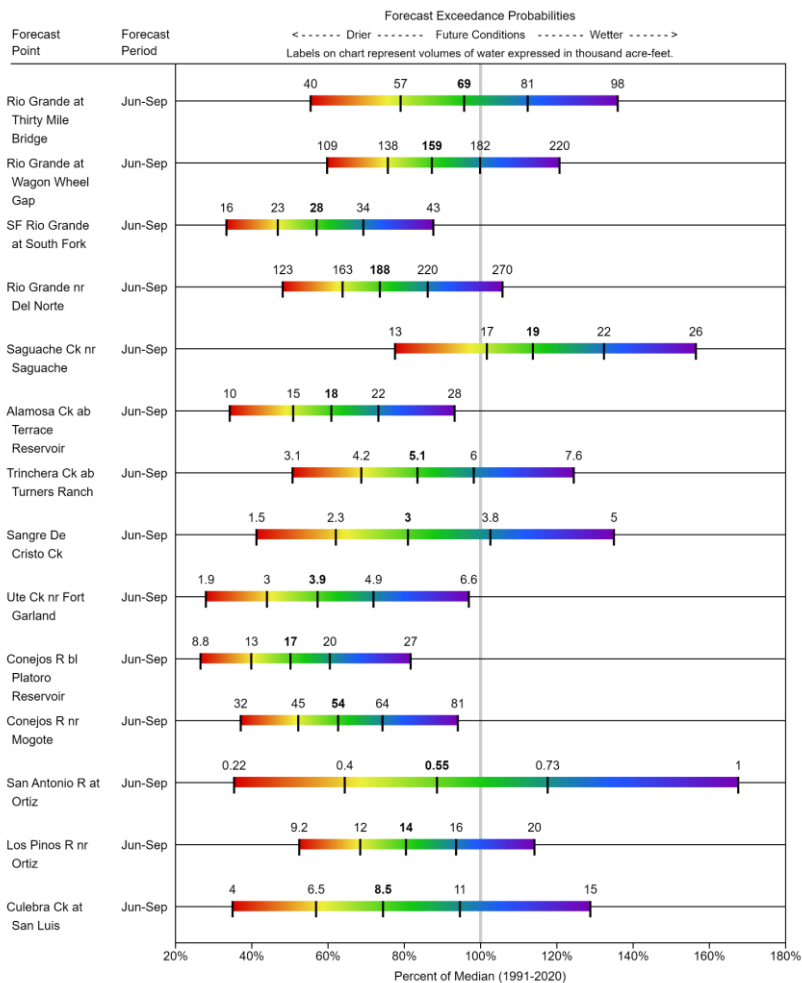
Period of Record Minimum Streamflow KAF (Year) 1991-2020 Normal Streamflow KAF Observed Streamflow KAF Period of Record Maximum Streamflow KAF (Year)

Some forecasts may be for volumes that are regulated or influenced by diversions and water management.

UPPER RIO GRANDE

Water Supply Forecasts

June 1, 2024



Legend



When selected, the following historic streamflow values and statistics will be shown.

Period of Record Minimum Streamflow KAF (Year) 1991-2020 Normal Streamflow KAF Observed Streamflow KAF Period of Record Maximum Streamflow KAF (Year)

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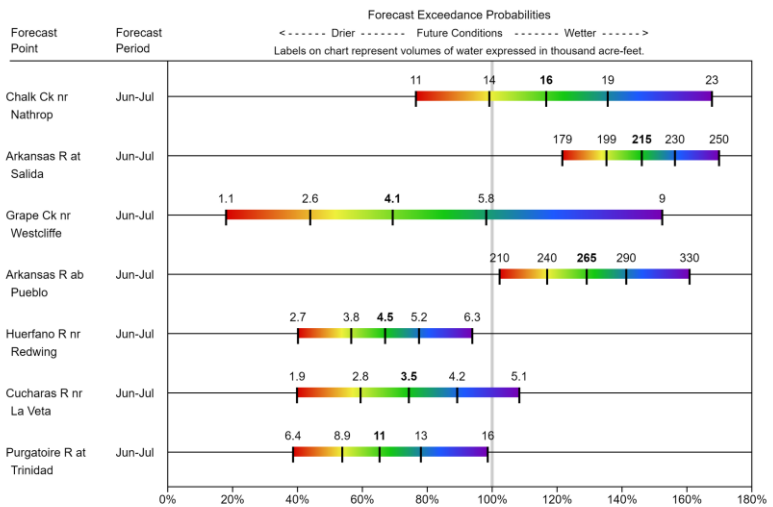


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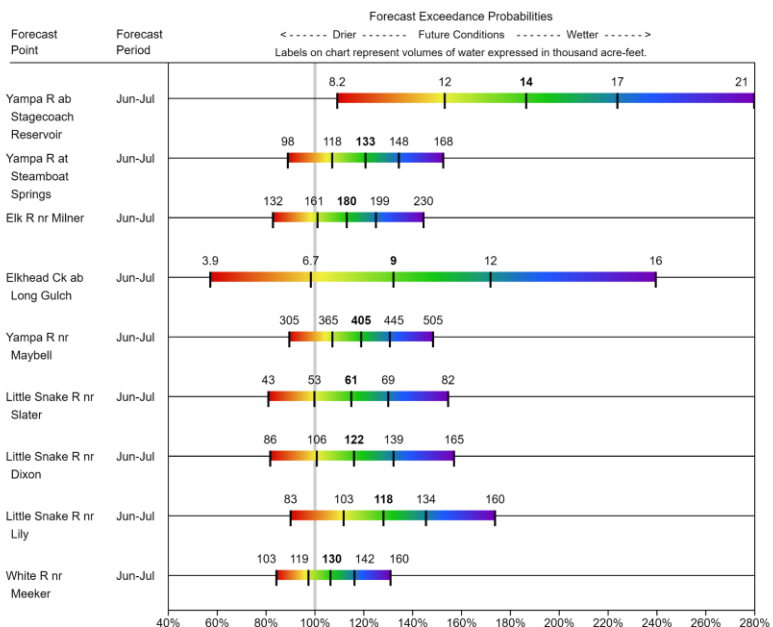
Colorado Snow Surveys

Streamflow Forecasts

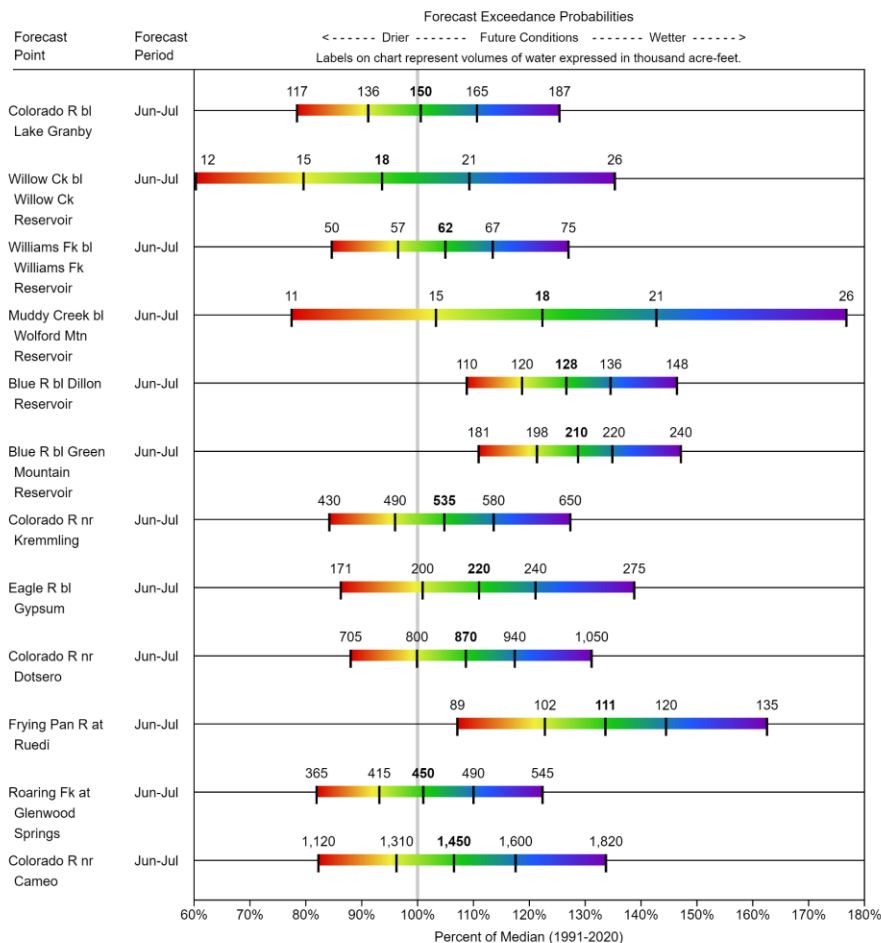
ARKANSAS Water Supply Forecasts June 1, 2024



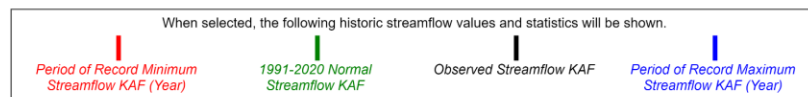
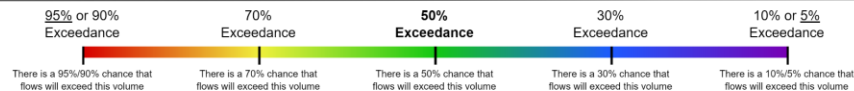
YAMPA-WHITE-LITTLE SNAKE Water Supply Forecasts June 1, 2024



COLORADO HEADWATERS Water Supply Forecasts June 1, 2024



Legend



Some forecasts may be for volumes that are regulated or influenced by diversions and water management.

Summary

- Statewide snowpack peaked out at 98% of the median.
- South Platte, Laramie & N. Platte experienced 2nd later snowpack peaks in mid-May
- Last three sites in our area melted free of snow yesterday and today. Sand Lake (WY), Old Battle (WY) and Tower (CO) SNOTELS
- After above normal snowmelt at the beginning of the spring, spring storms slowed melt as is often the case.
- Statewide year-to-date precipitation is 100% of median.
 - Year-to-date precipitation below normal in SMDASJ Basins
- Statewide reservoir storage is 94% of median.
- Streamflows are now in recession after near normal runoff to this point. Not a qualitative evaluation, only visual.
- Streamflow forecasts for the rest of the summer suggest near normal in the Northern 2/3 of the state, particularly in the headwaters, but suggest below normal in the Southern 1/3 of the state.



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