



United States Department of Agriculture

Colorado Snow Surveys

# Water Conditions Monitoring Committee Meeting

July 23<sup>rd</sup>, 2024

## NRCS Snow Survey and Water Supply Forecasting Program

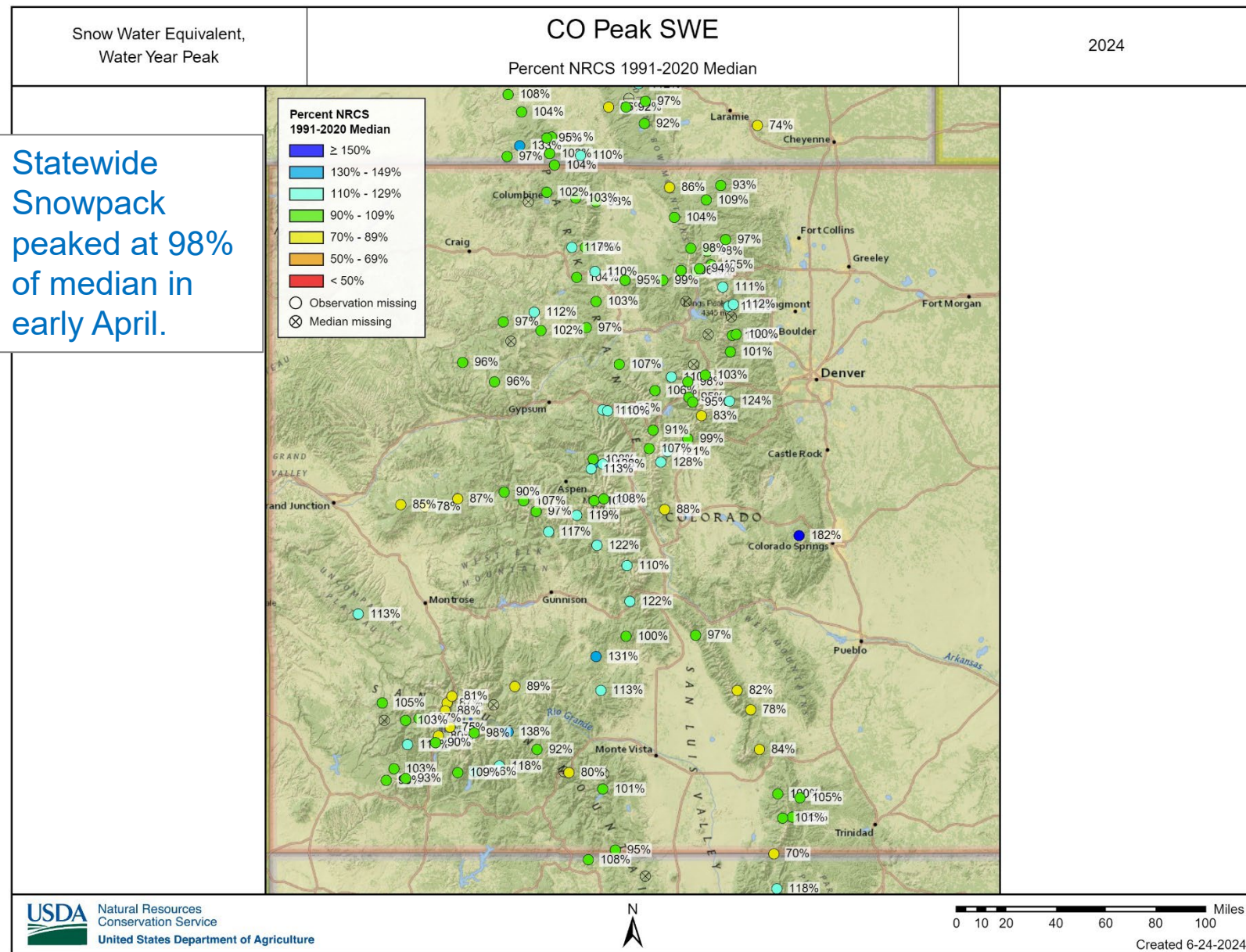
Brian Domonkos

Hydrologist

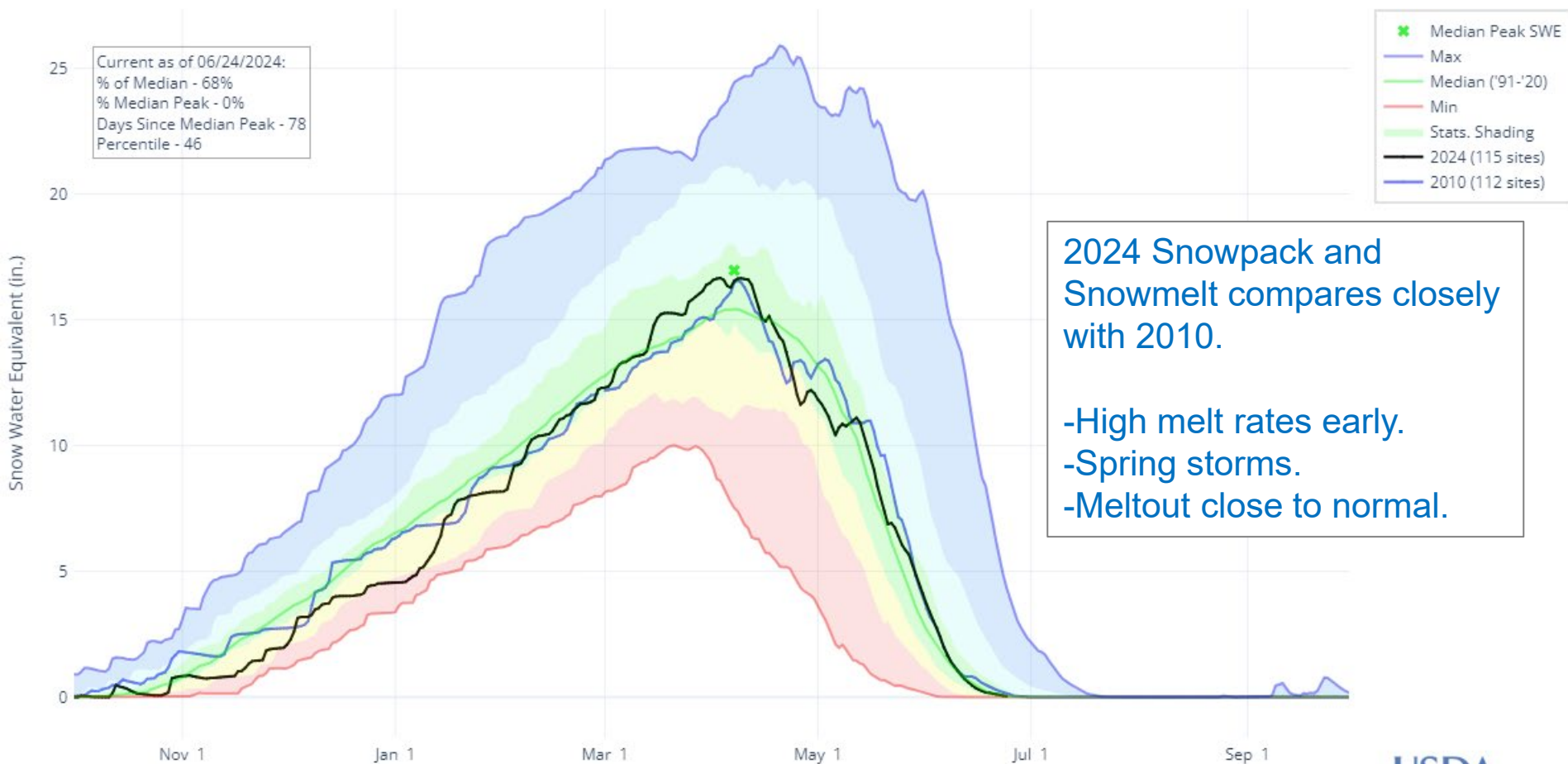
[Brian.Domonkos@usda.gov](mailto:Brian.Domonkos@usda.gov)

720-544-2853

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



## SNOW WATER EQUIVALENT IN STATE OF COLORADO





# Colorado's Major Basin Snowpack Peak Levels and Timing

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						



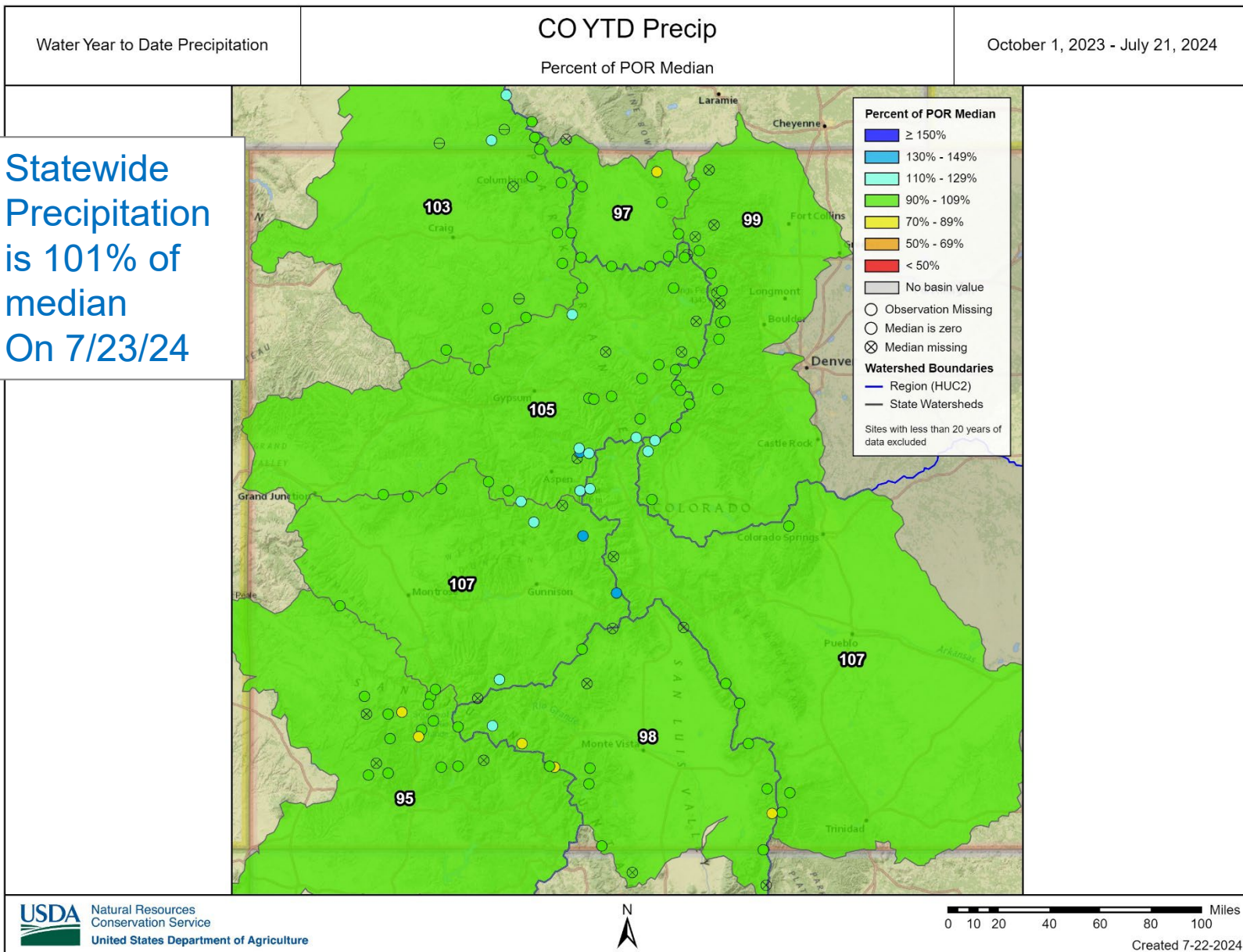


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WY Precipitation

Statewide  
Precipitation  
is 101% of  
median  
On 7/23/24

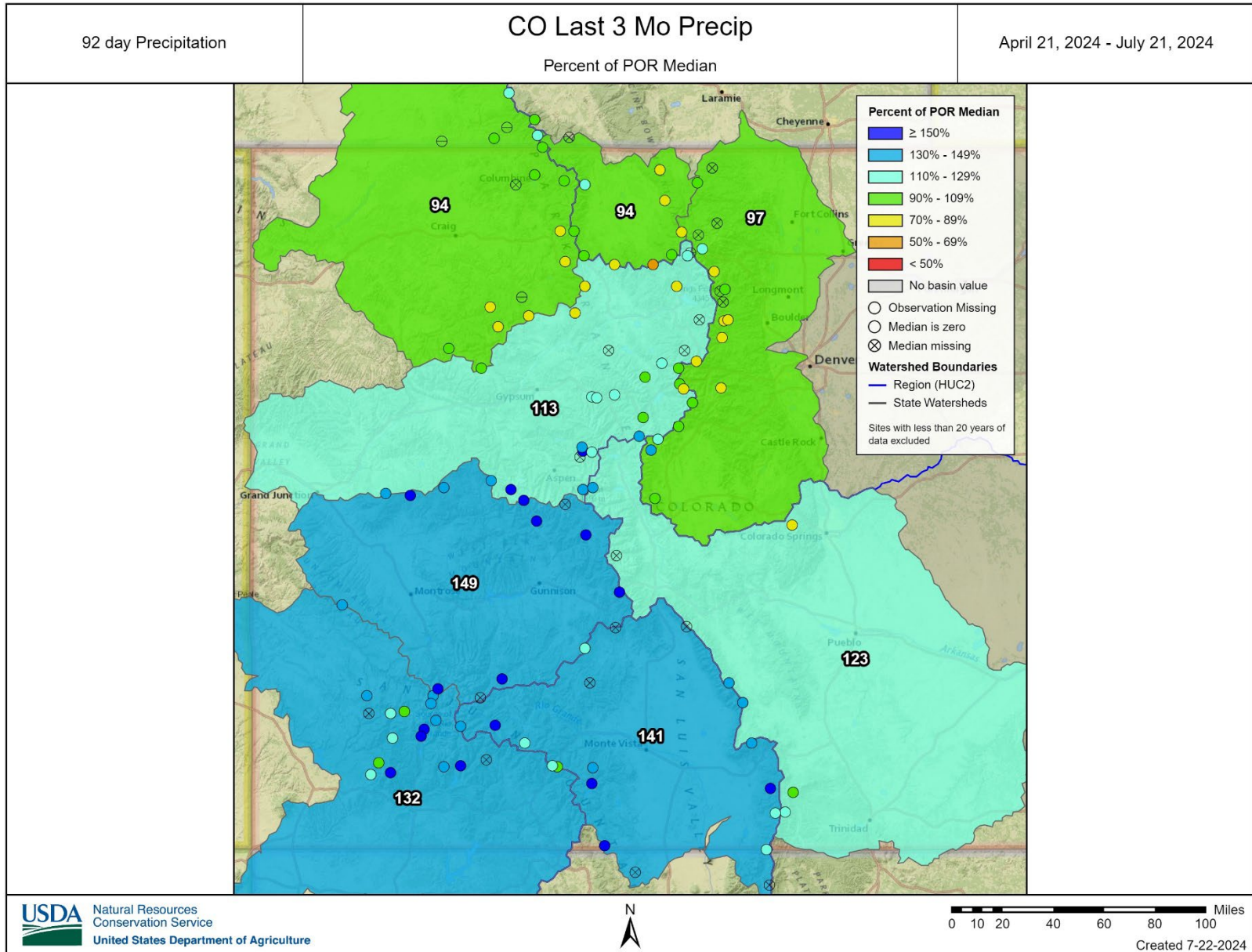




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## Last 92 days Precipitation



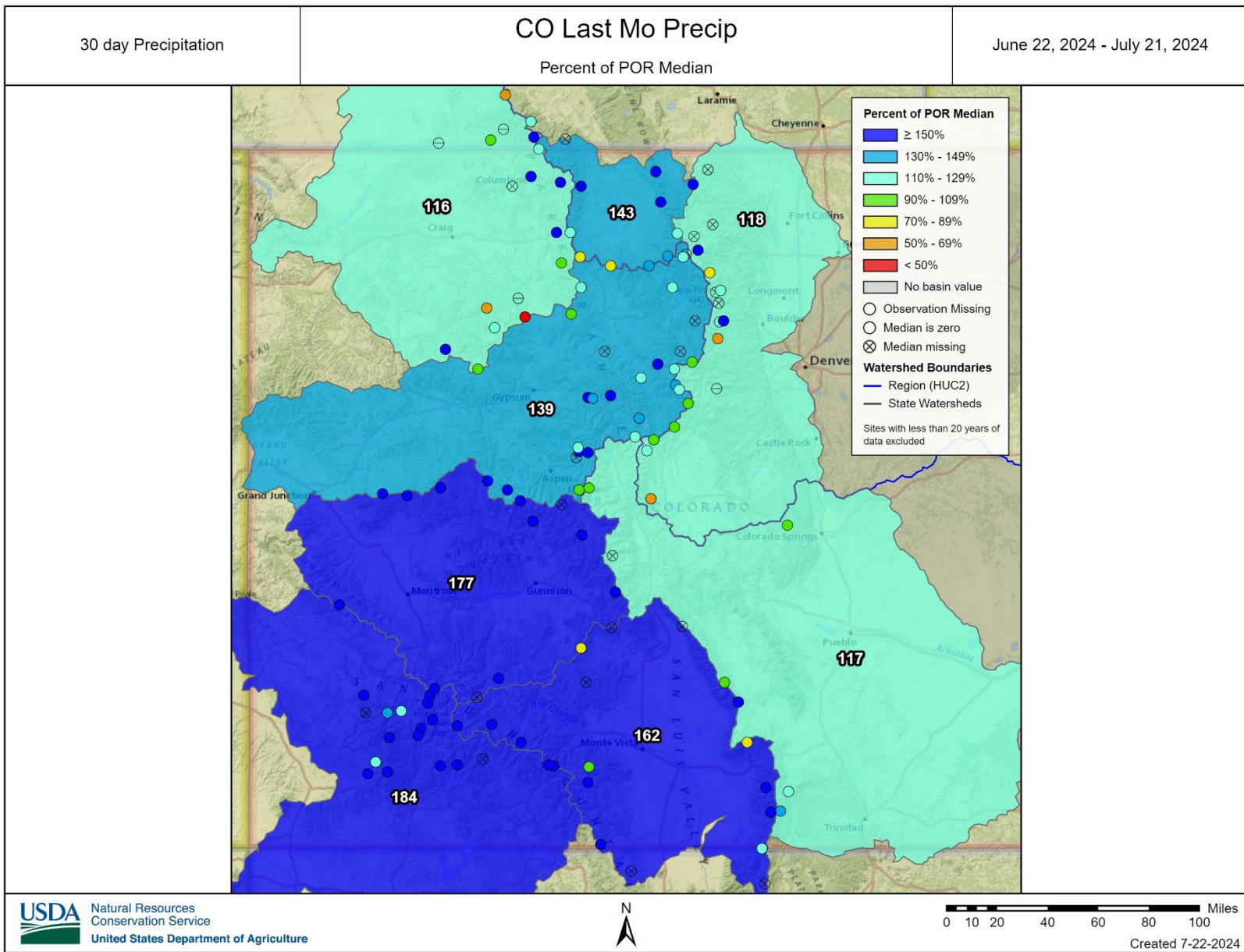




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## Last 30 Days Precipitation

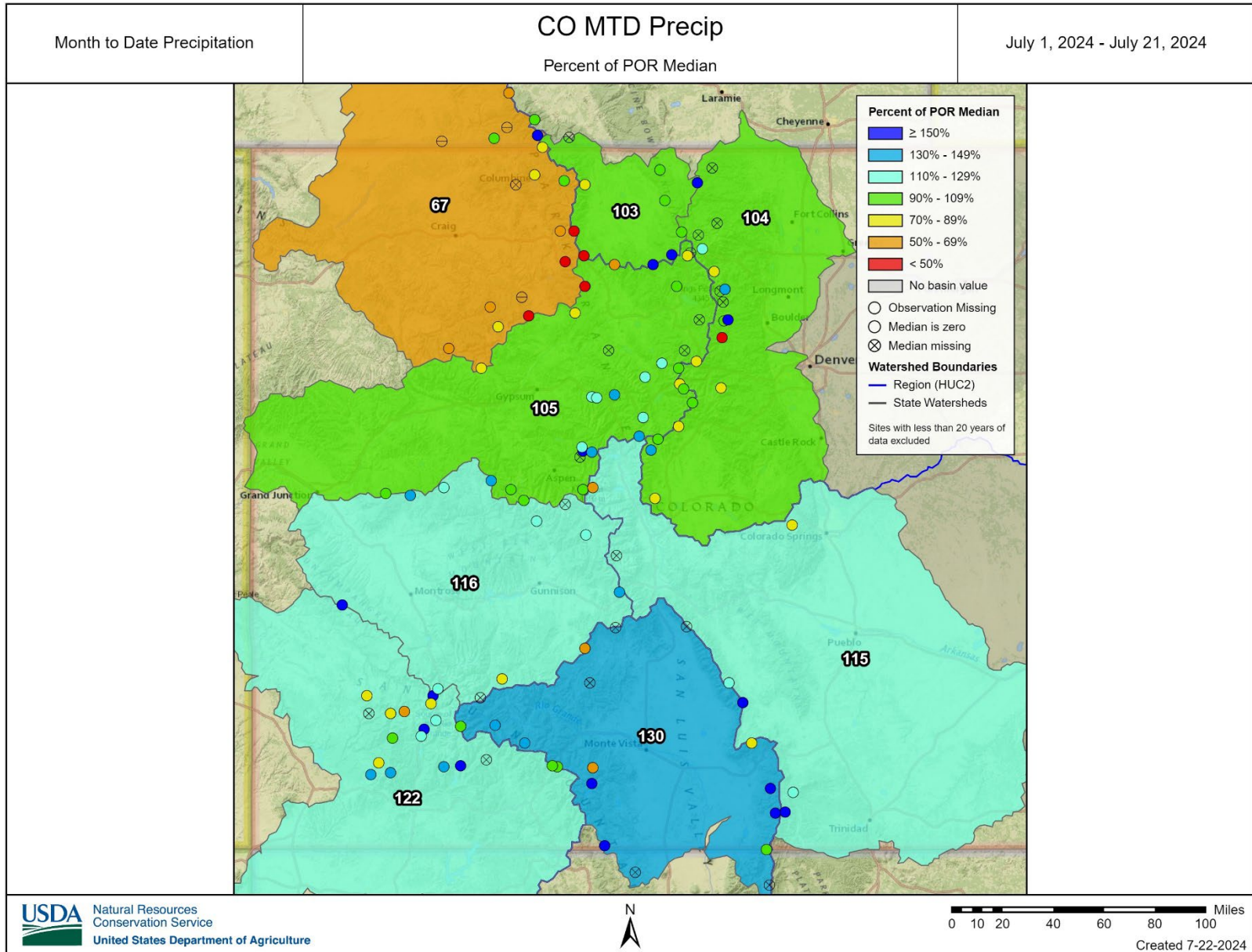




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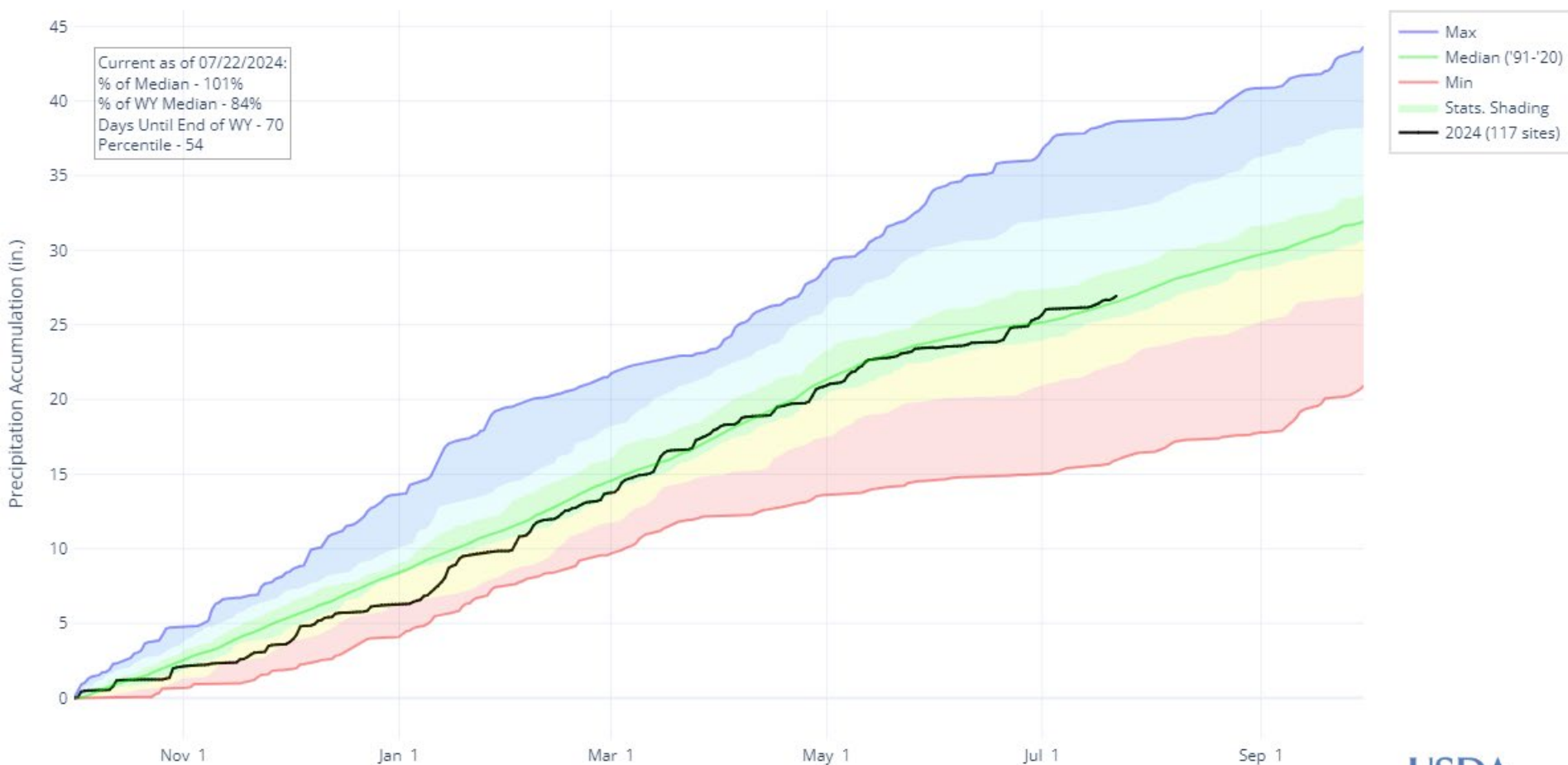
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## Month to Date Precipitation

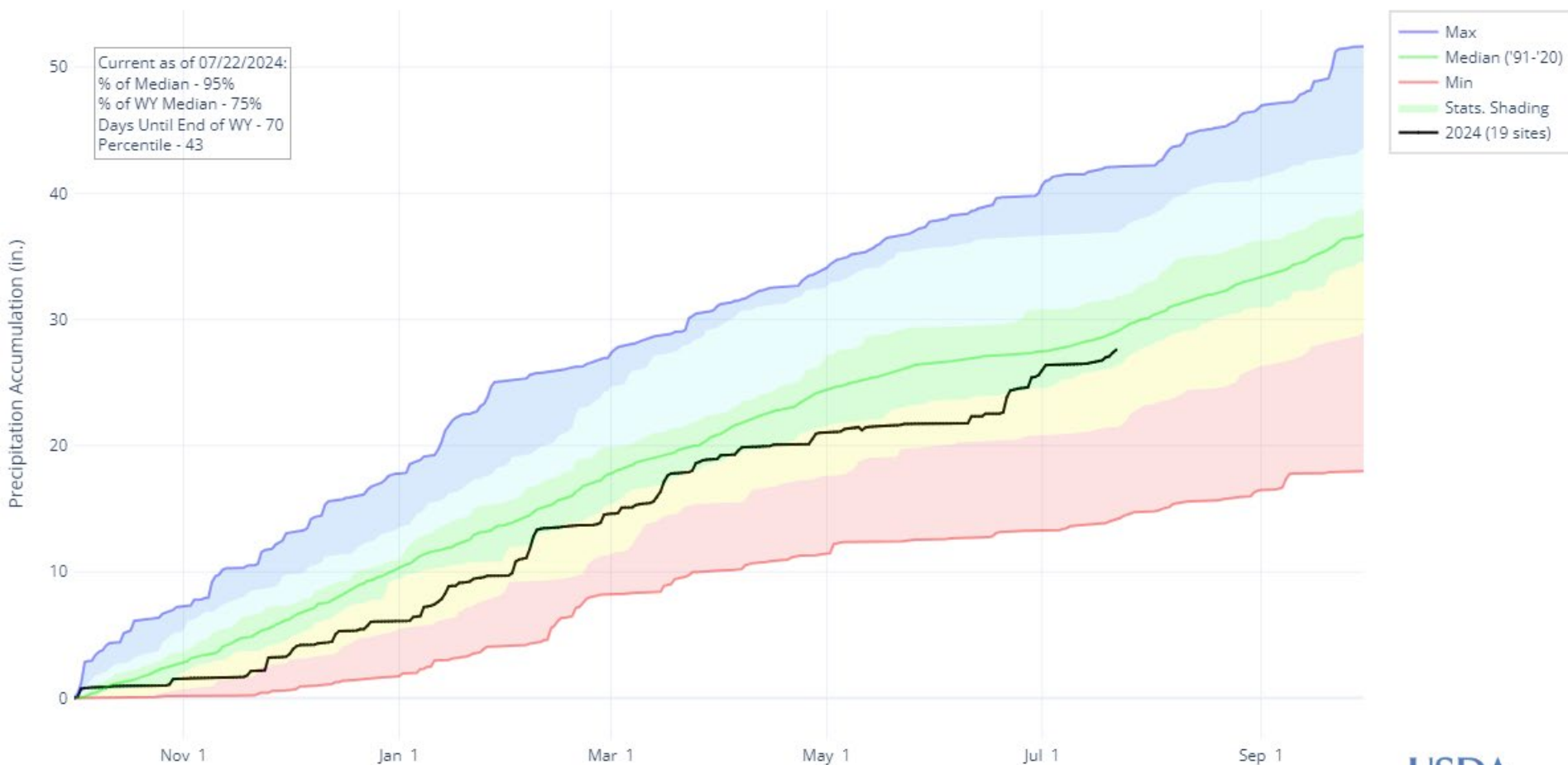




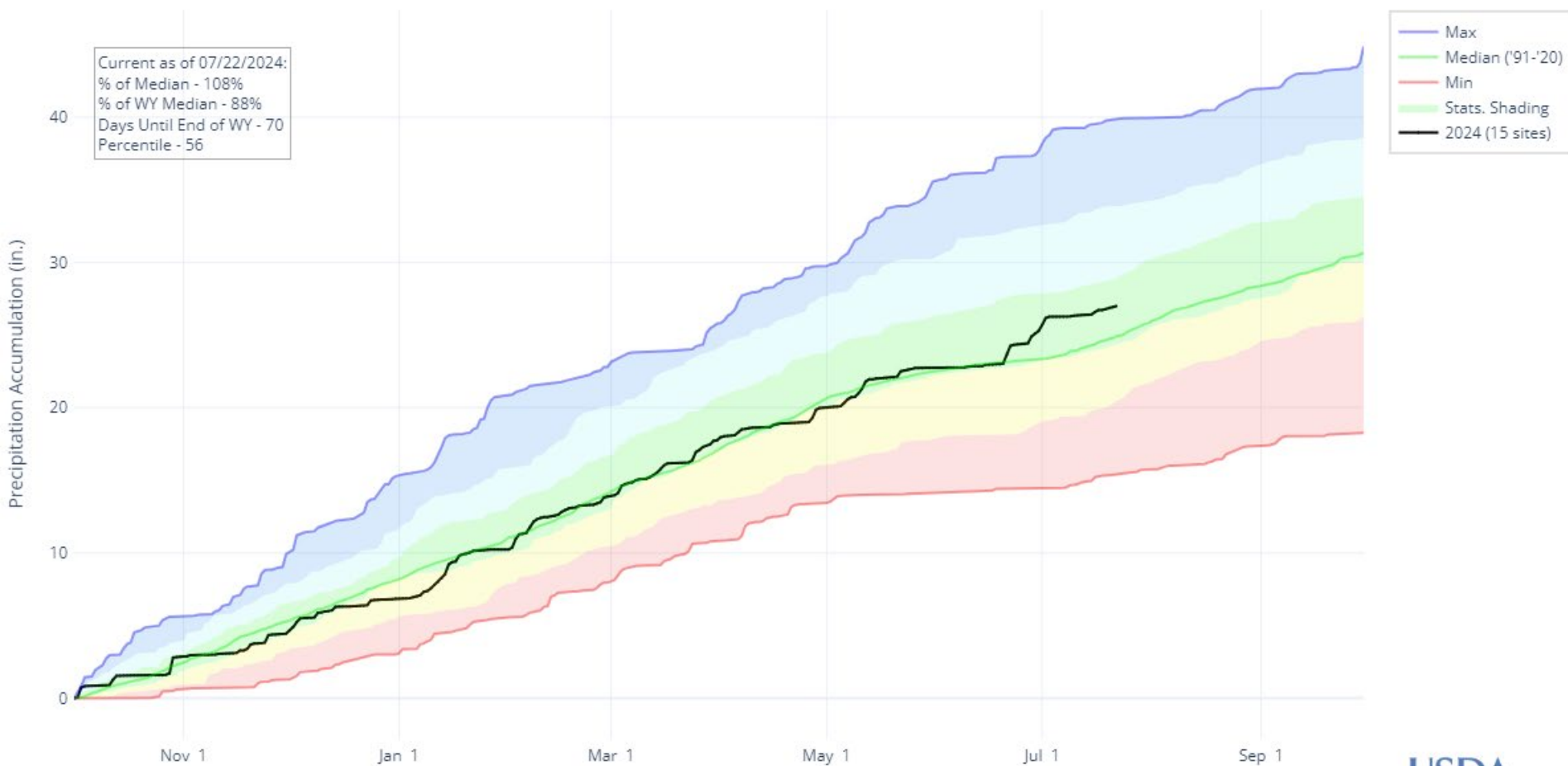
## PRECIPITATION ACCUMULATION IN STATE OF COLORADO



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

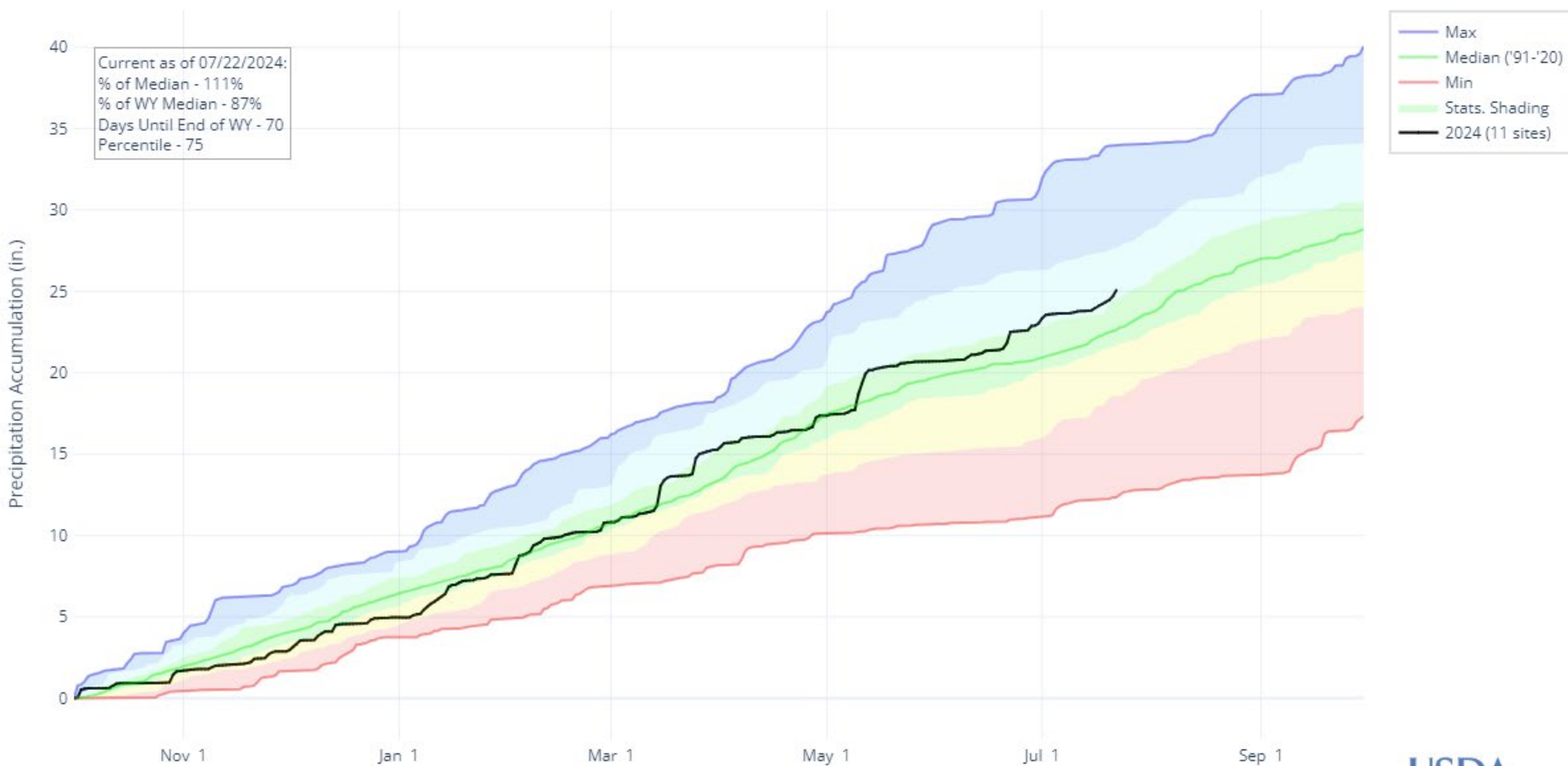


## PRECIPITATION ACCUMULATION IN GUNNISON





## PRECIPITATION ACCUMULATION IN ARKANSAS

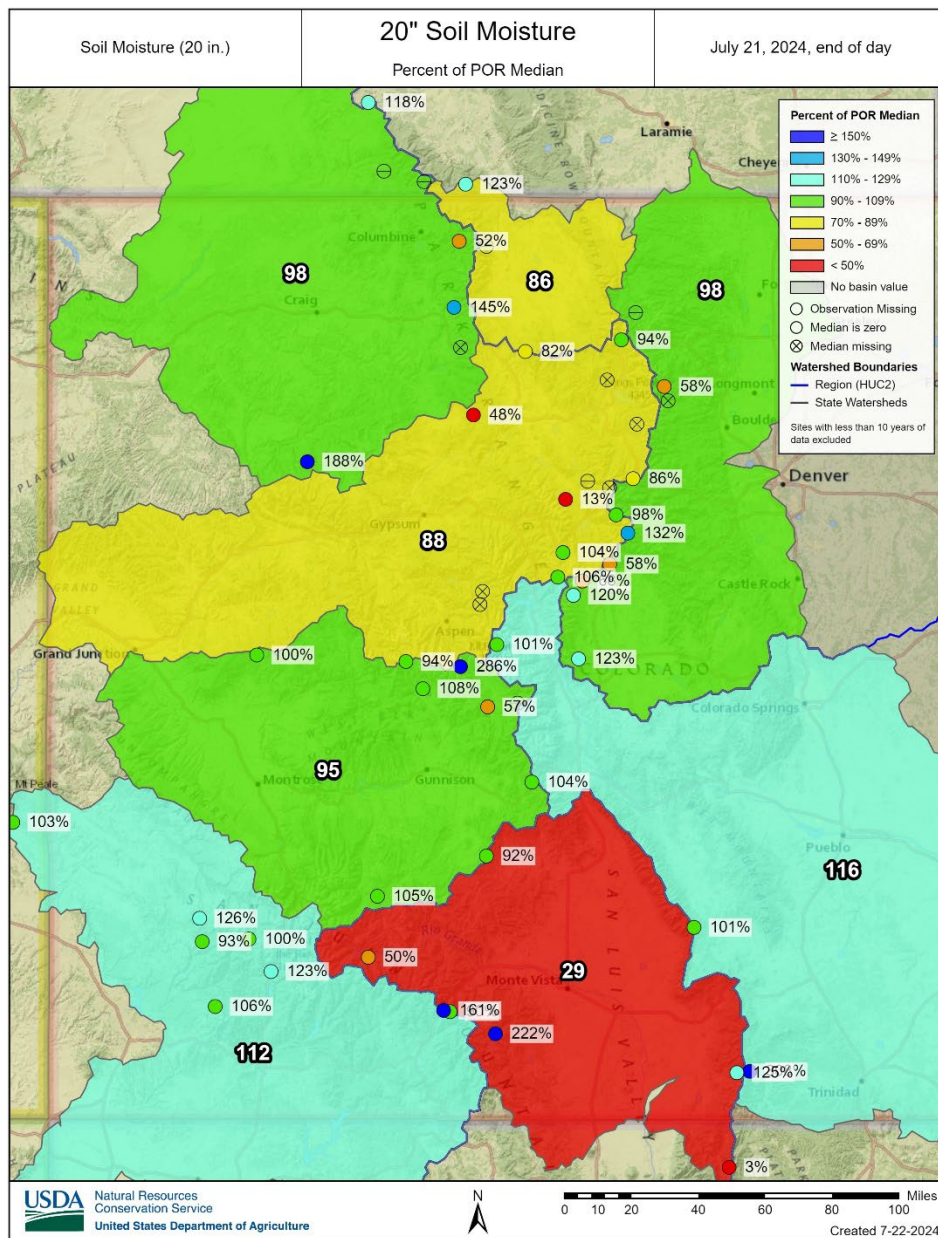




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## 20 Inch Soil Moisture Data

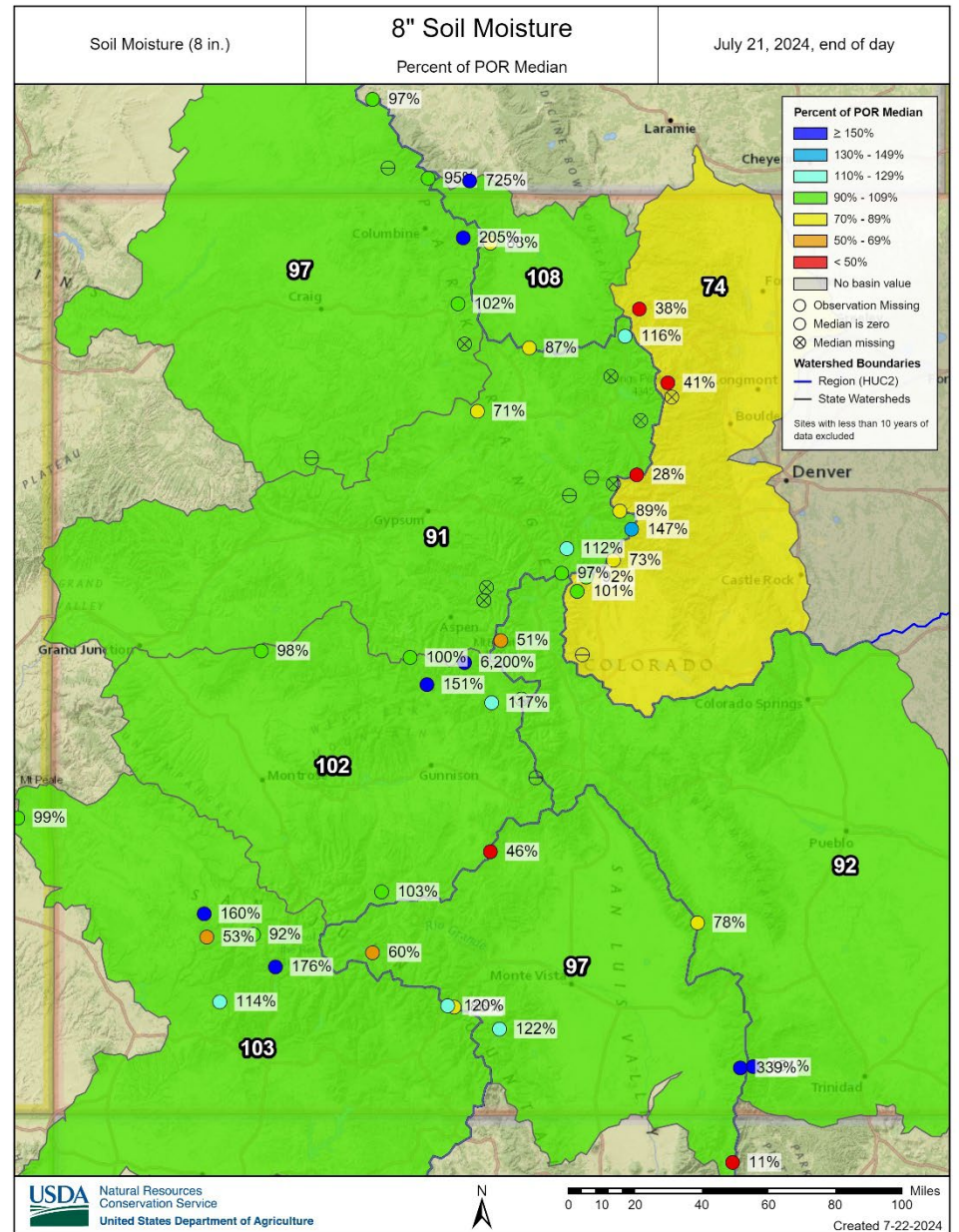




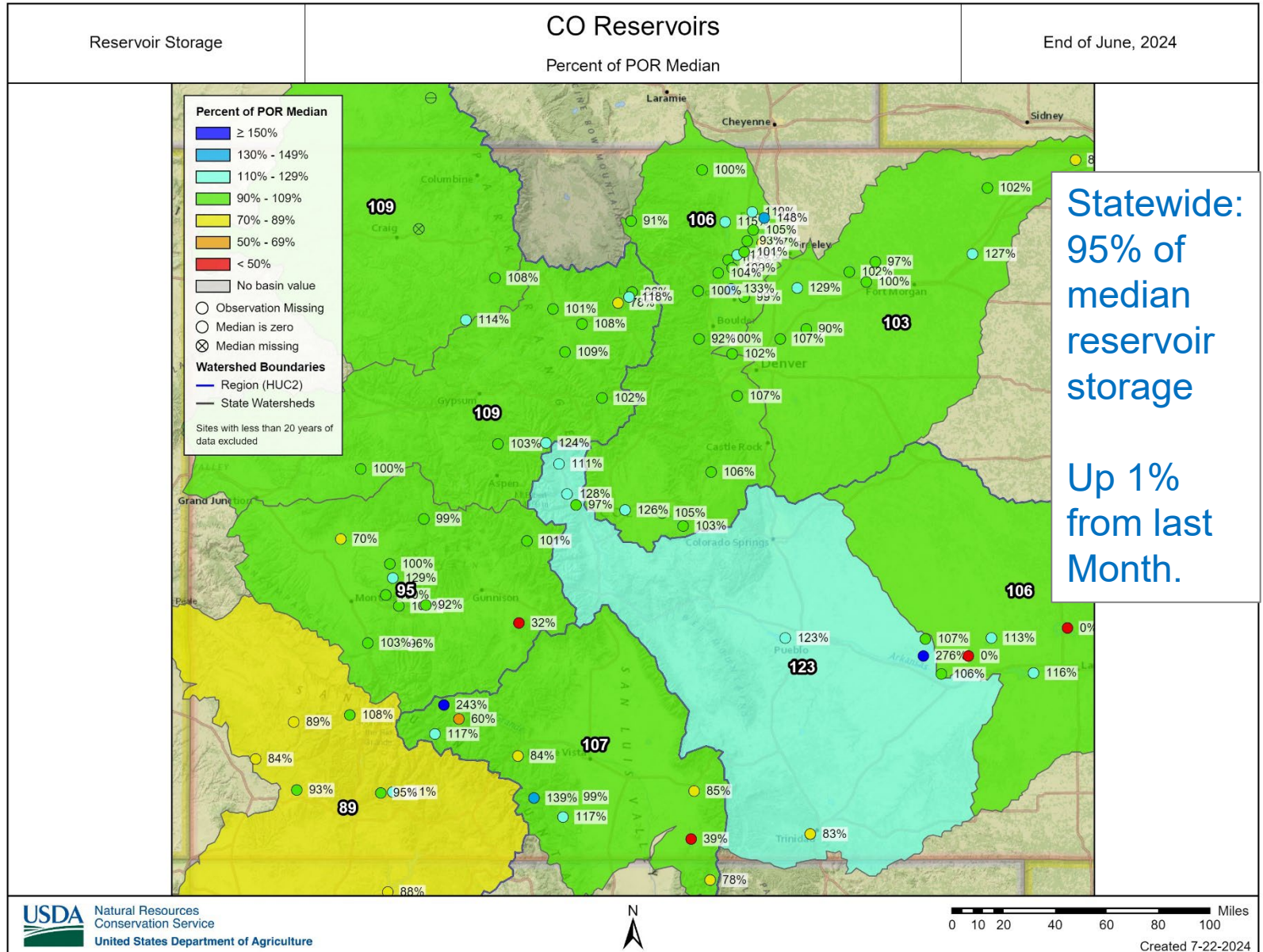
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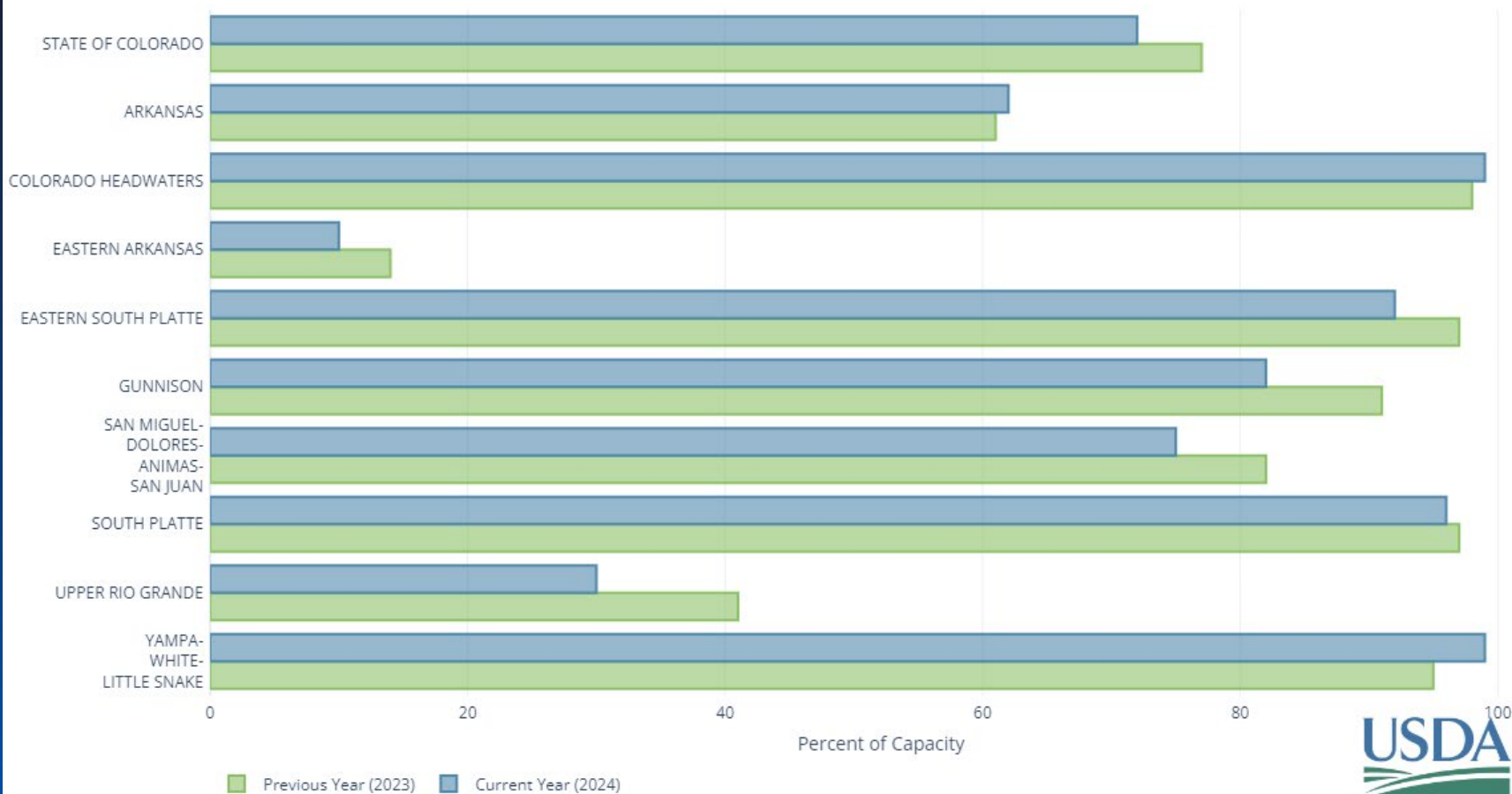
## 8 Inch Soil Moisture Data







RESERVOIR STORAGE IN COLORADO  
END OF JUNE 2024

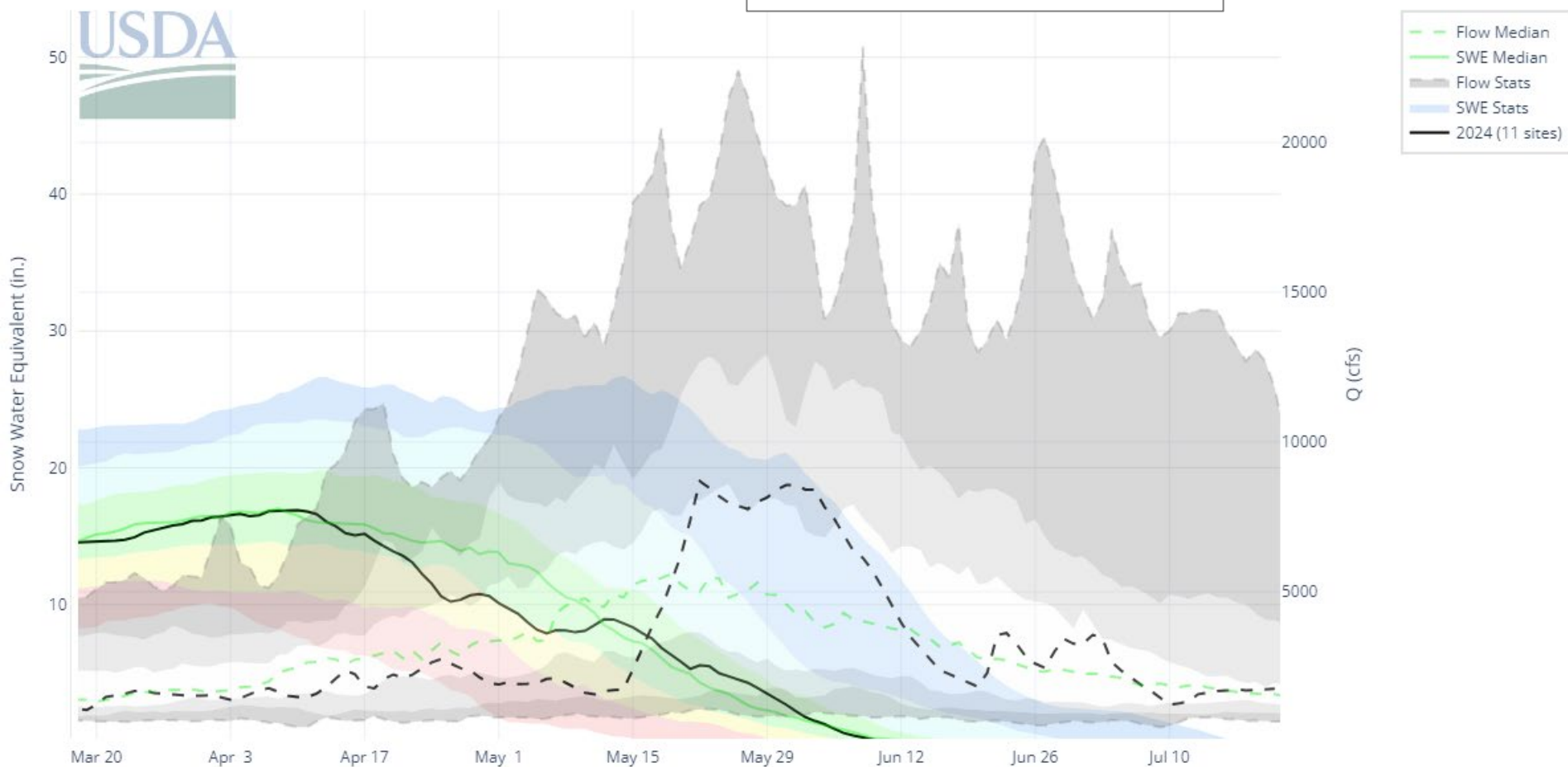




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Gunnison R nr Grand Junction Snow to Flow Plot

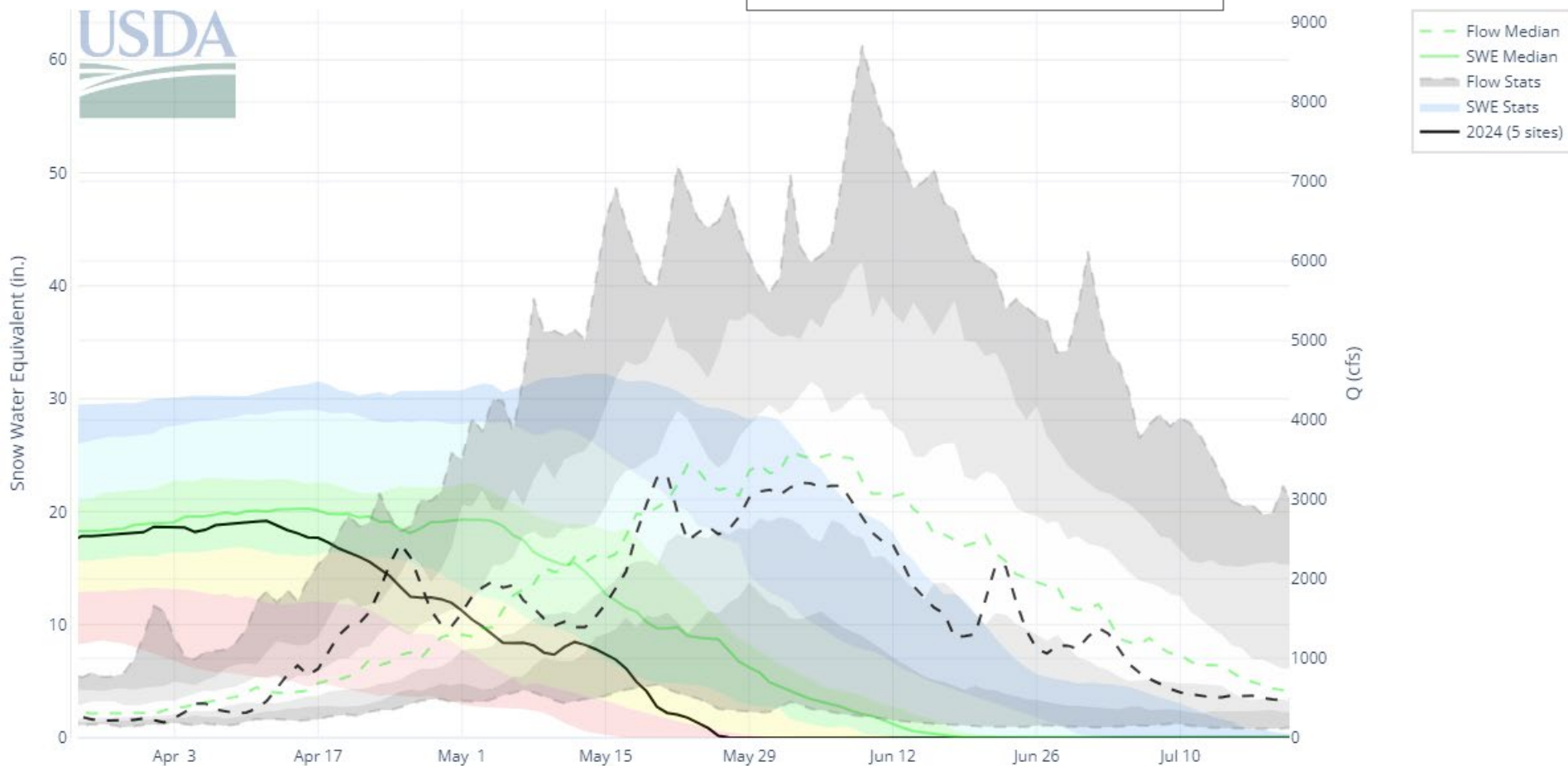
94% of median flow on 7/22





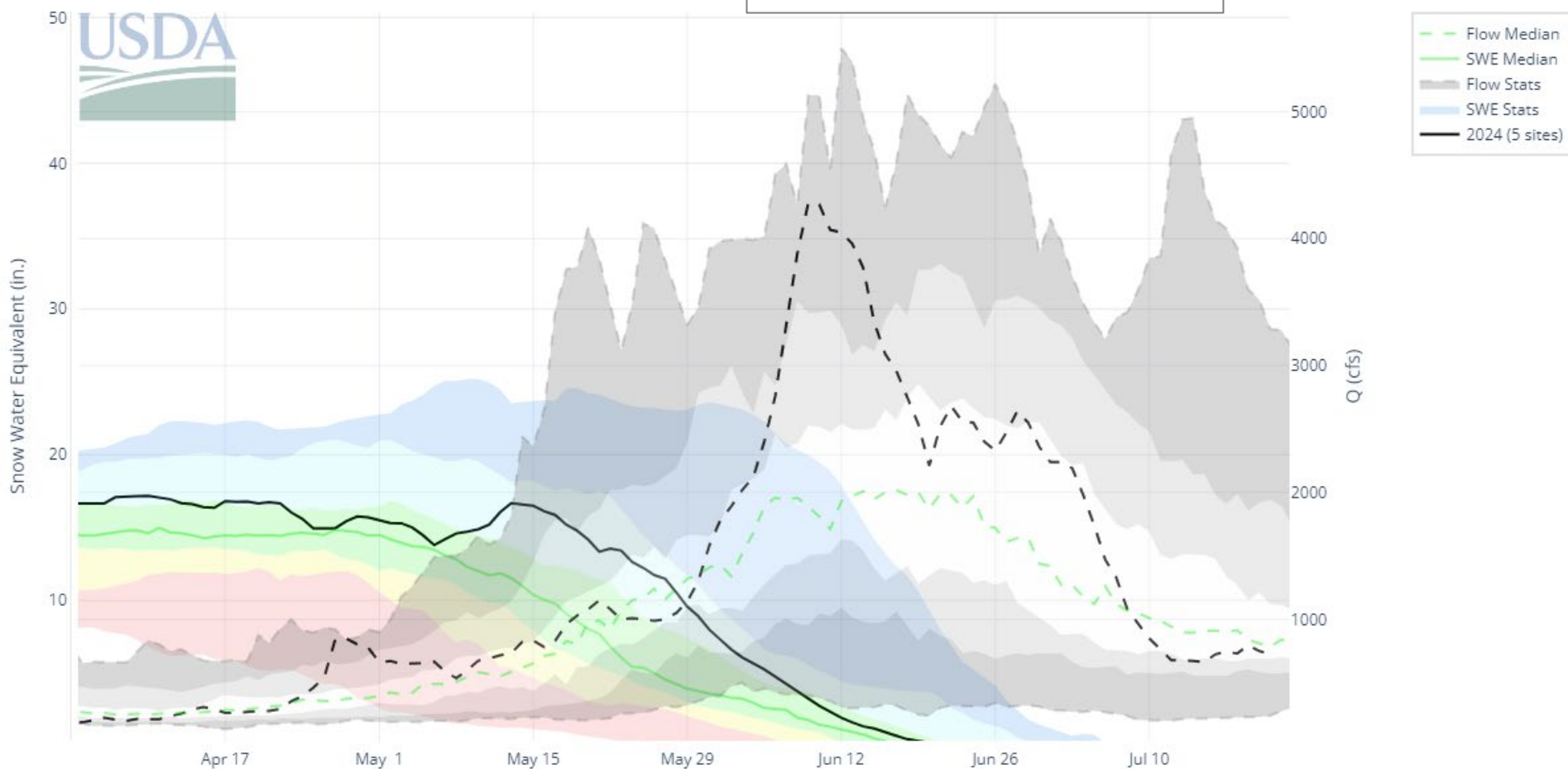
Rio Grande nr Del Norte Snow to Flow Plot

46% of median flow on 7/22



Arkansas R at Salida Snow to Flow Plot

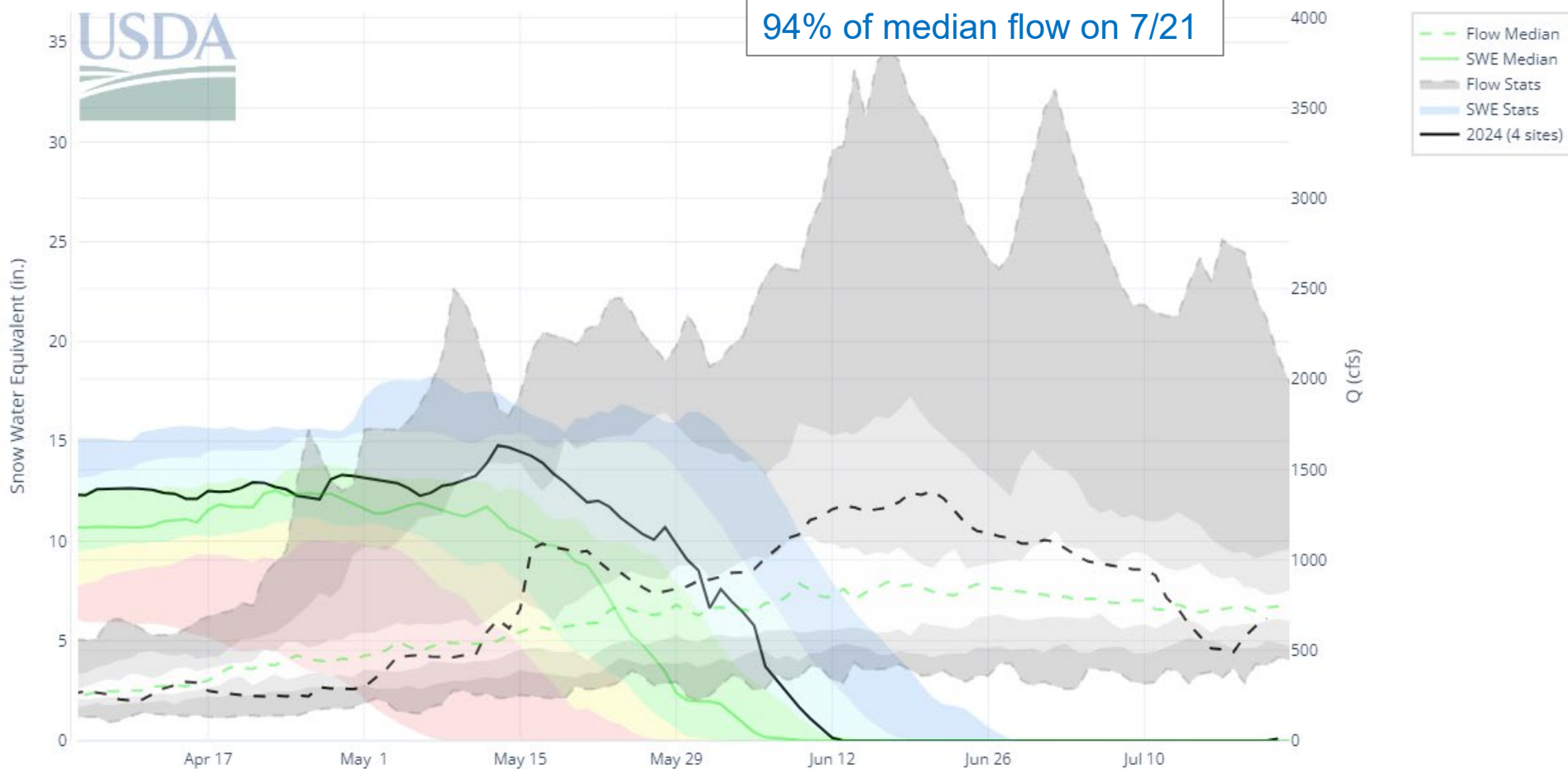
63% of median flow on 7/22





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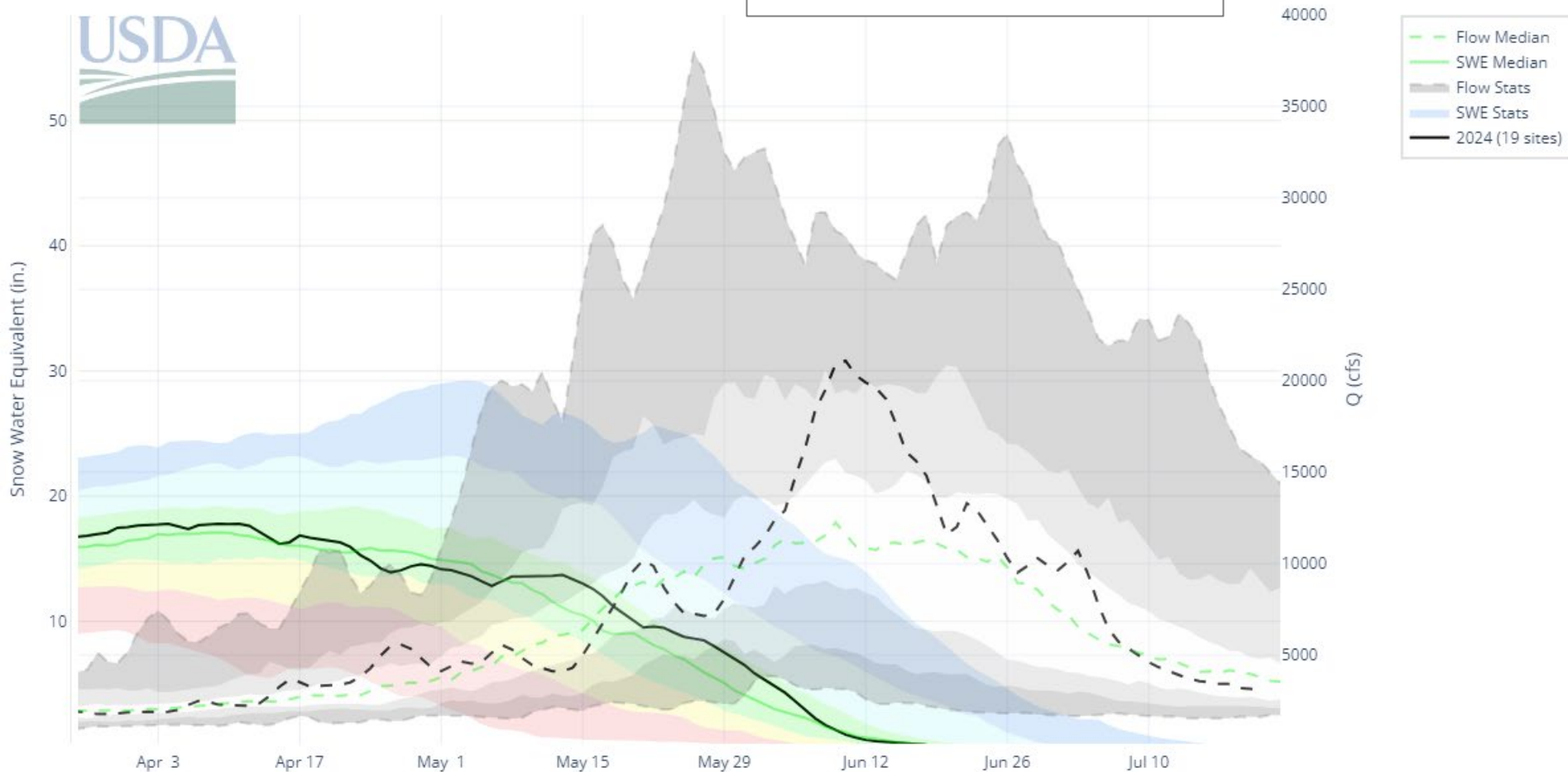
South Platte R at South Platte Snow to Flow Plot





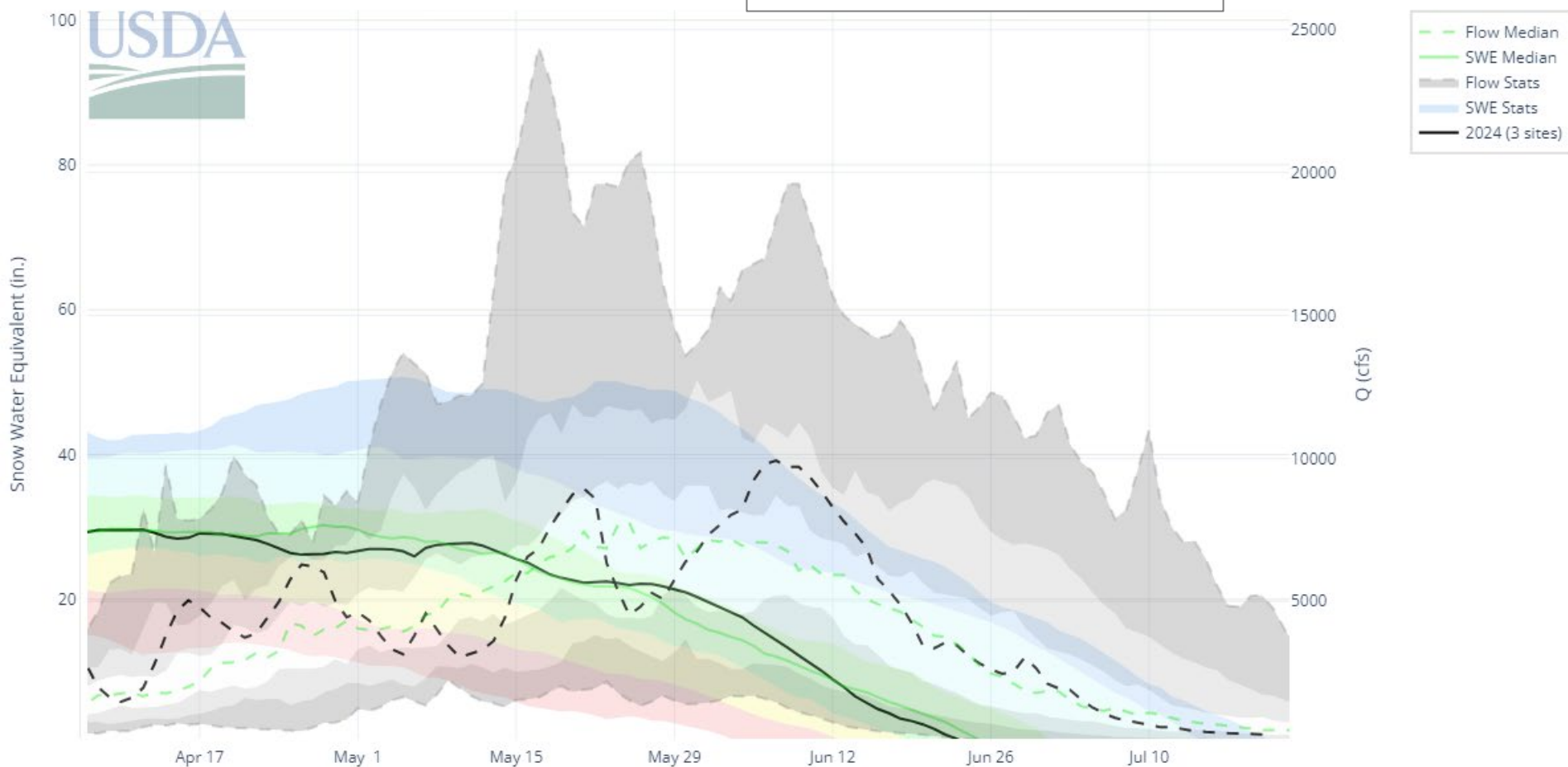
Colorado River Cameo Snow to Flow Plot

68% of median flow on 7/22



Yampa R nr Maybell Snow to Flow Plot

39% of median flow on 7/22

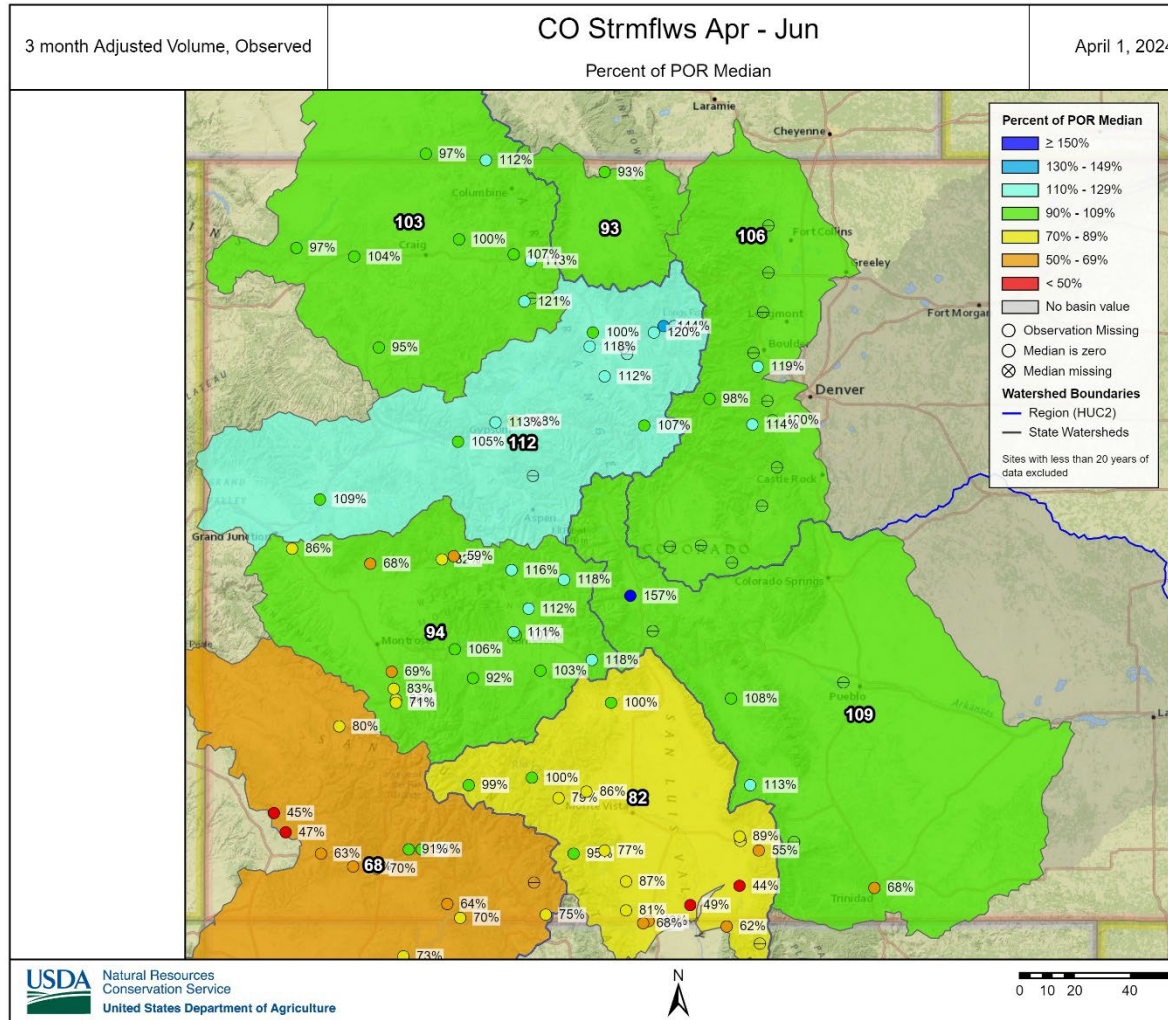
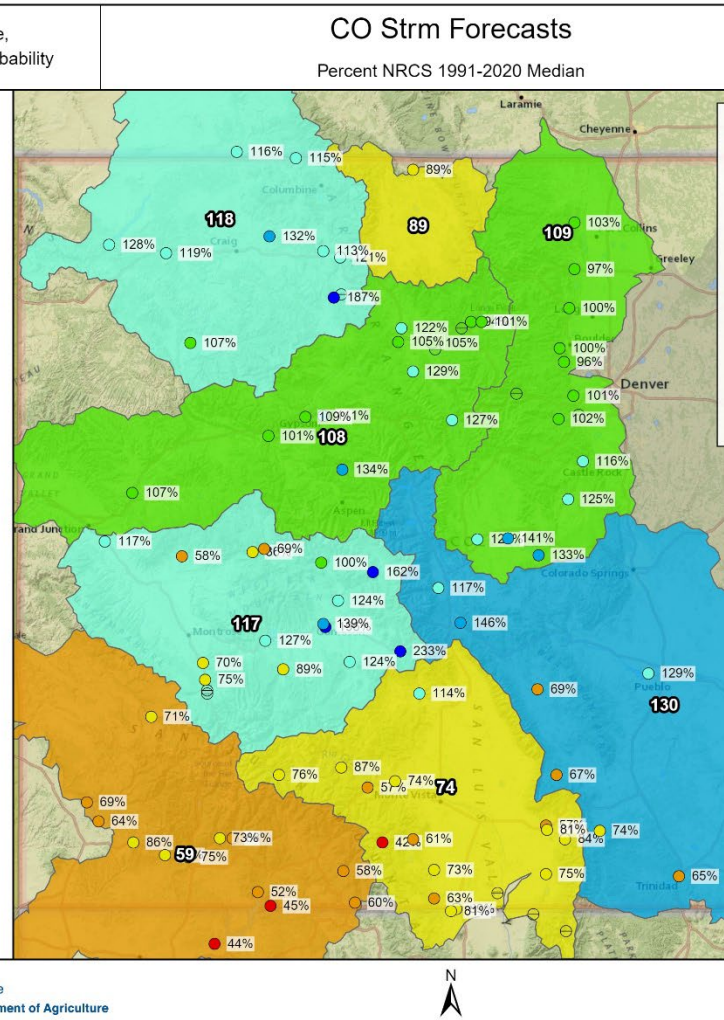




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# Colorado Snow Surveys

## Apr – Jul Forecasts vs Apr – Jun Observed Streamflows





## Summary

- Statewide snowpack peaked out at 98% of the median.
- Statewide Year to Date Mountain precipitation is 101% of median
- June 10 – July 2 storms have focused on SW CO mountains providing much needed rain.
- All other areas of the state have seen improvements since this time last month. But not as much rain as the San Juans Mtns.
- Soil moisture data indicates near normal conditions.
- Statewide reservoir storage is 95% of median.
- Snowmelt runoff is largely complete. In recession of snowmelt.
- Streamflows at major river gauges are near to below normal.
- NRCS Jun 1 Streamflow forecasts close to observed streamflows to this point.



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