



Water Conditions Monitoring Committee Meeting February 20th, 2024

NRCS Snow Survey and Water Supply Forecasting Program

Brian Domonkos

Hydrologist

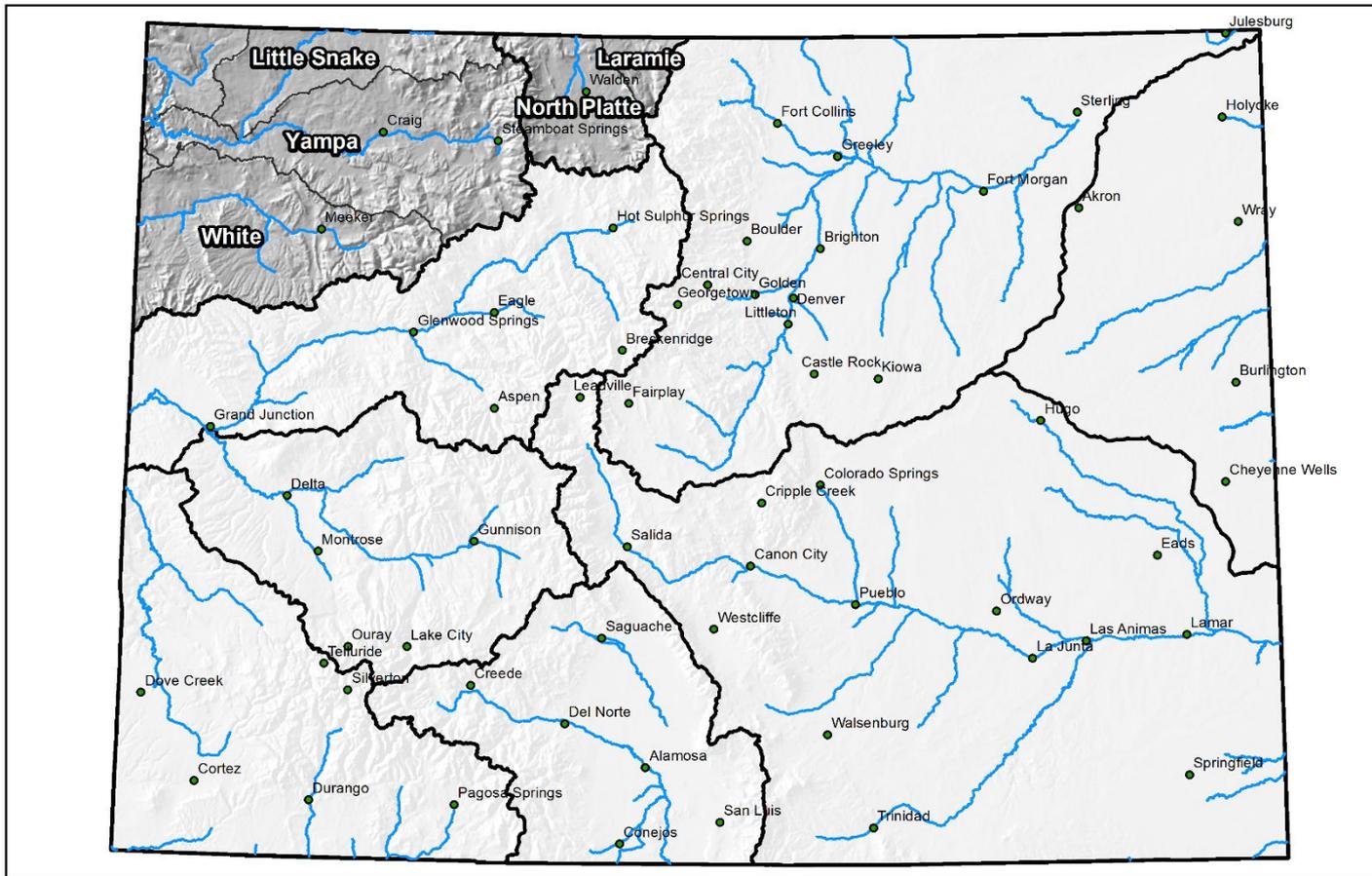
Brian.Domonkos@usda.gov

720-544-2853

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

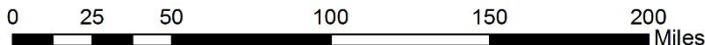
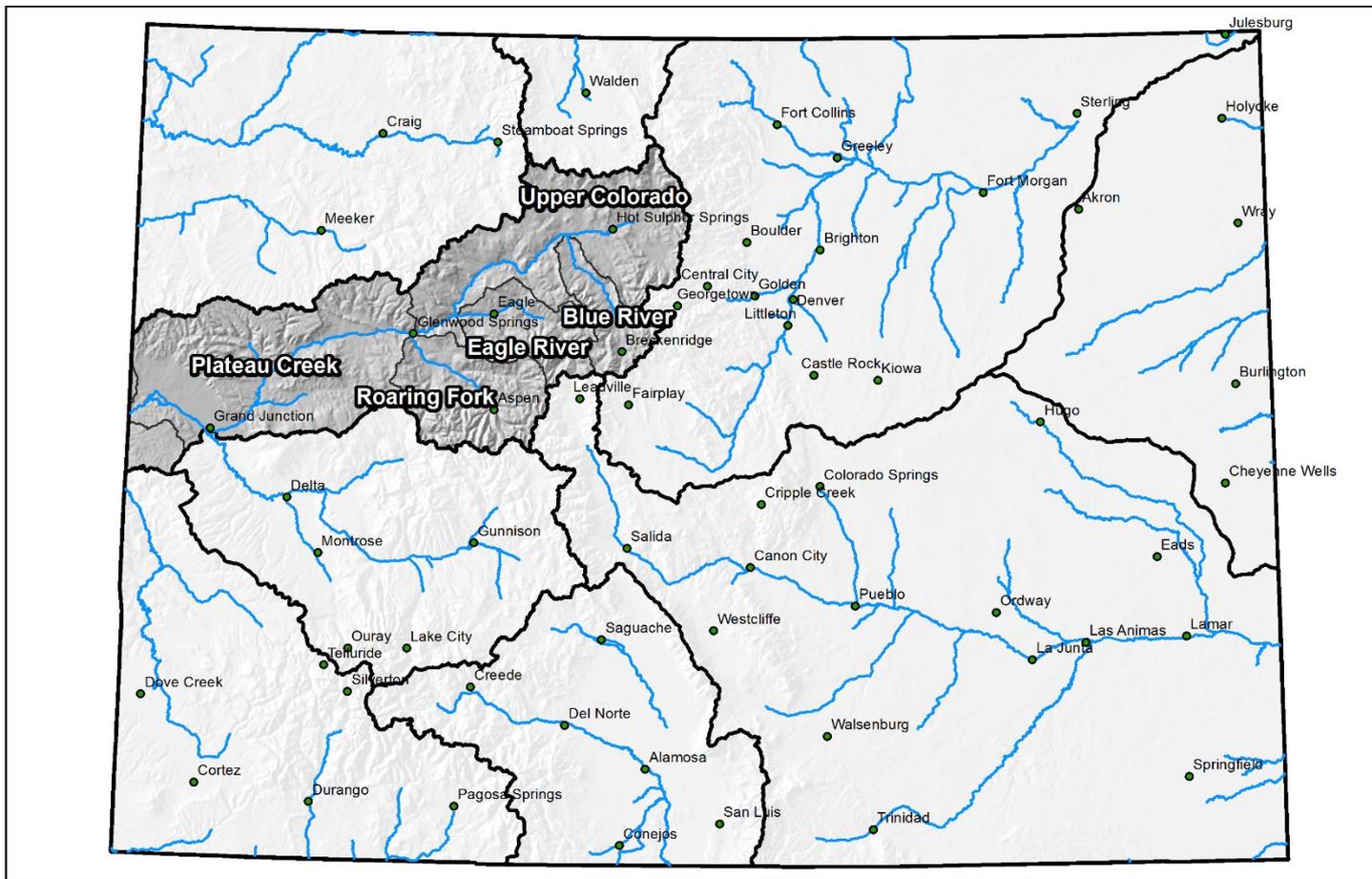
Major Basin Summary

Yampa, White, and North Platte River Basins



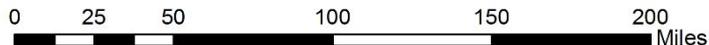
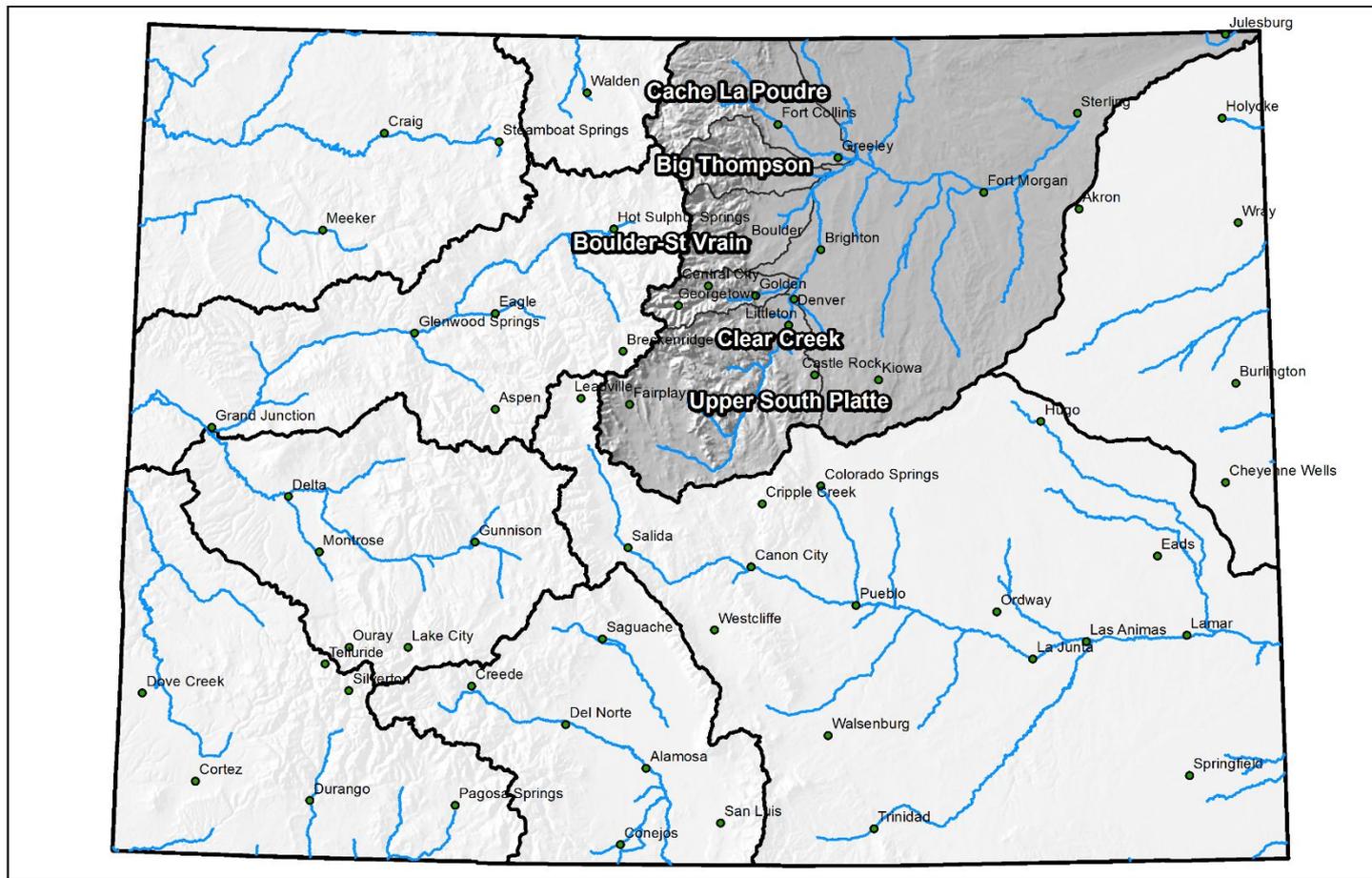
Major Basin Summary

Colorado River Basin



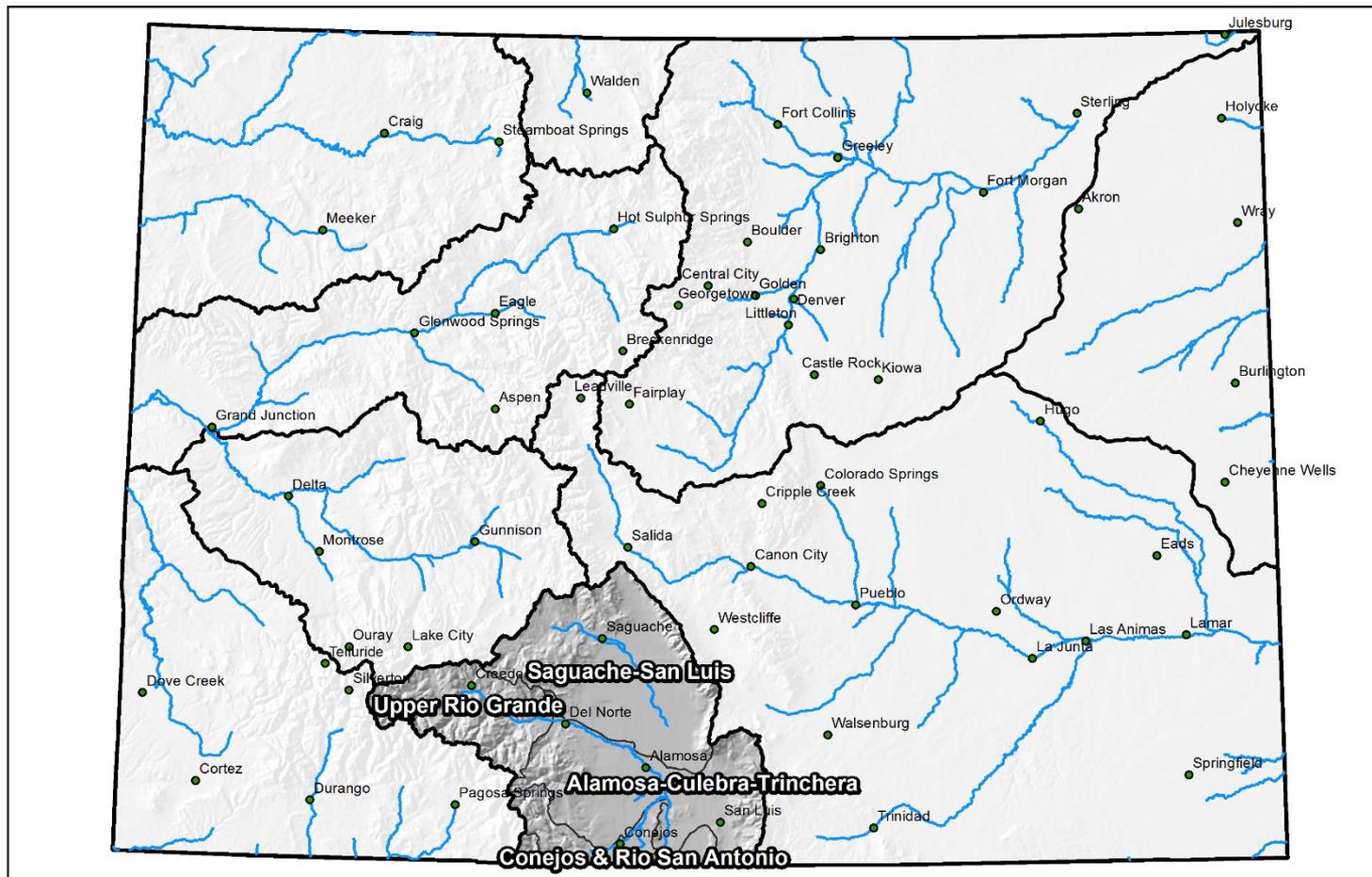
Major Basin Summary

South Platte River Basin



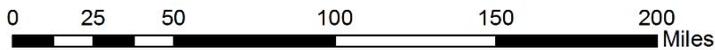
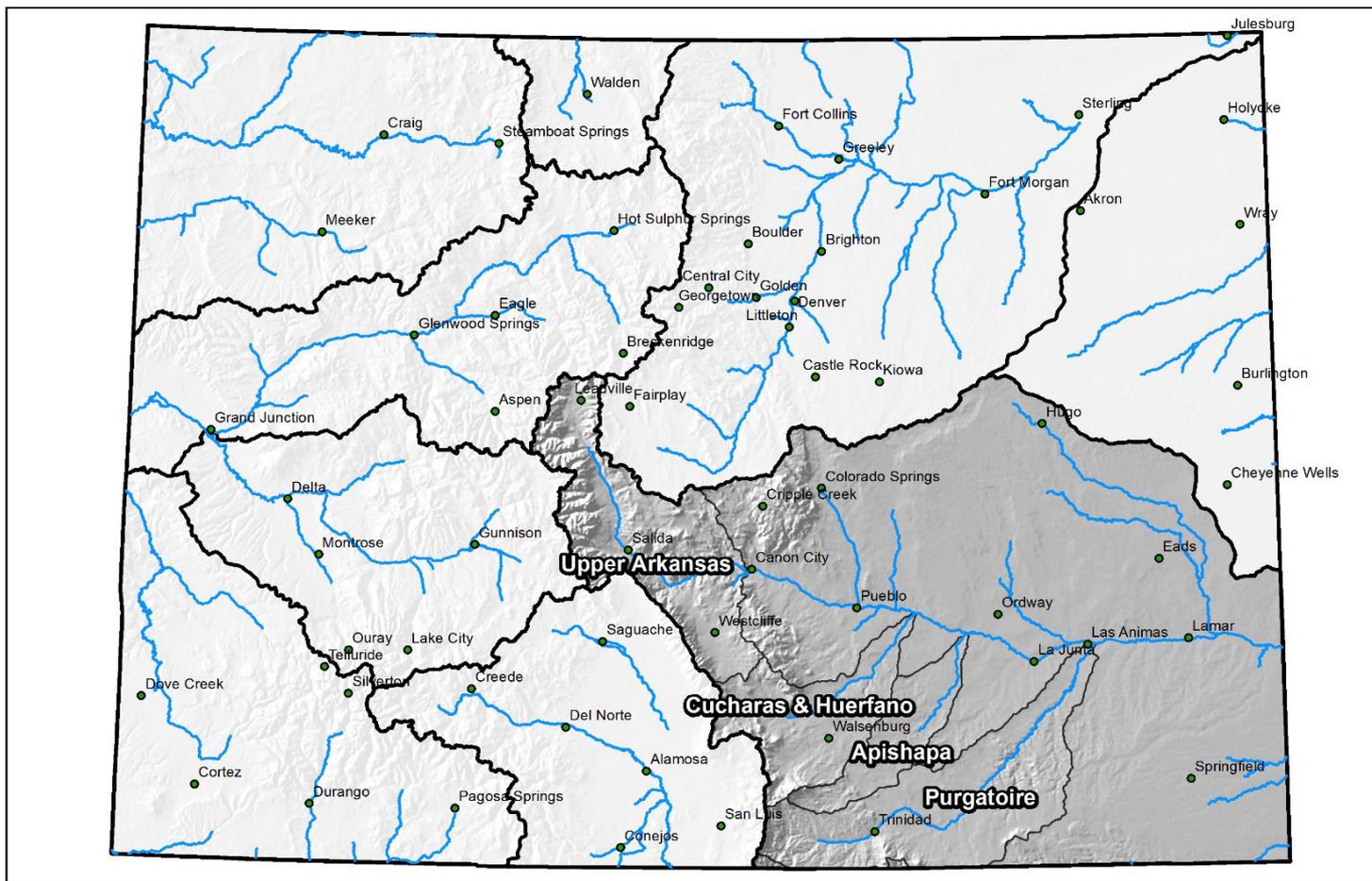
Major Basin Summary

Upper Rio Grande River Basin



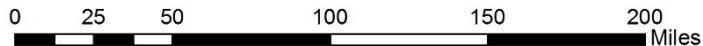
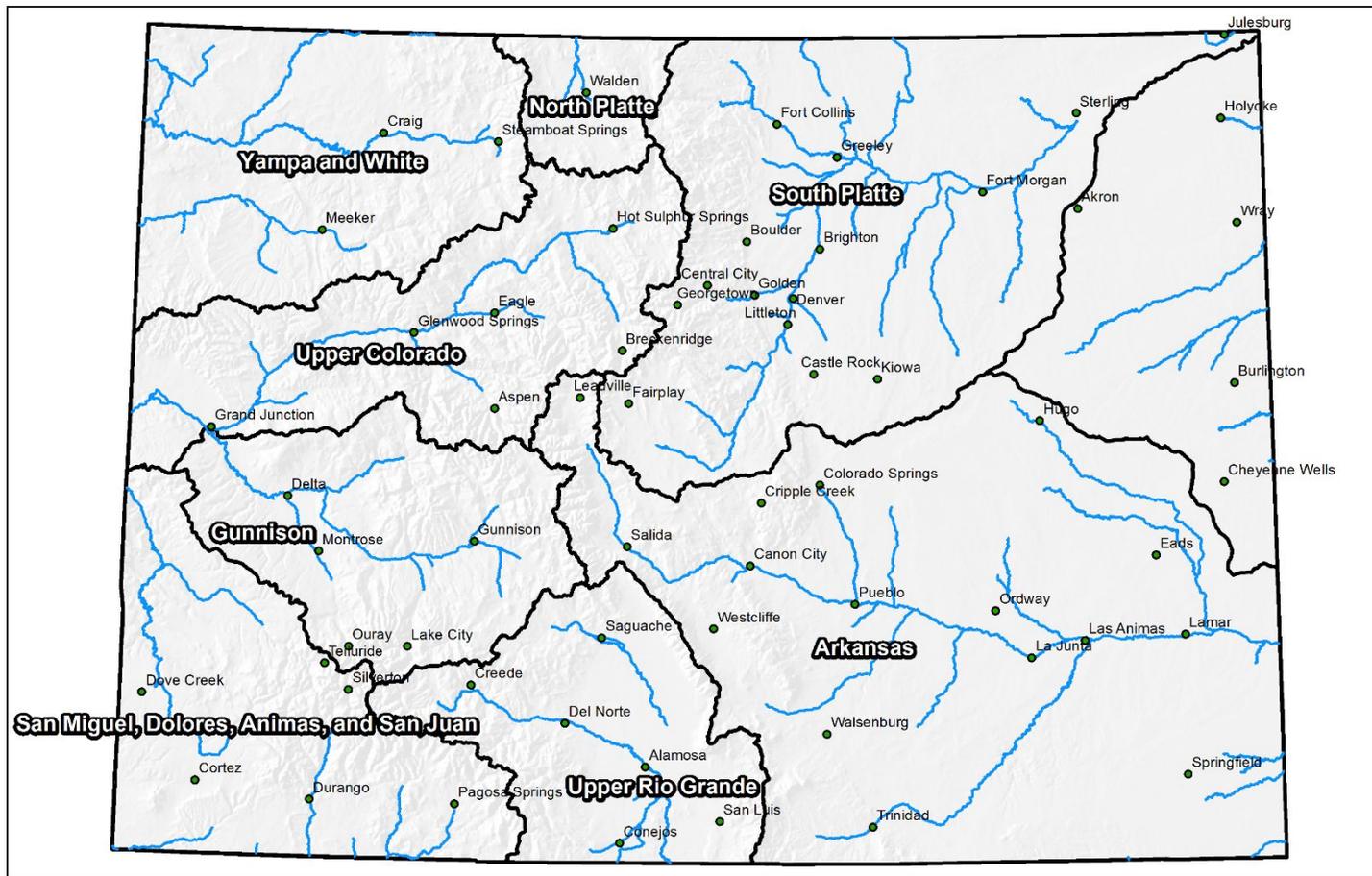
Major Basin Summary

Arkansas River Basin



Colorado Statewide Summary

Colorado Major Basins



SNOW WATER EQUIVALENT IN STATE OF COLORADO

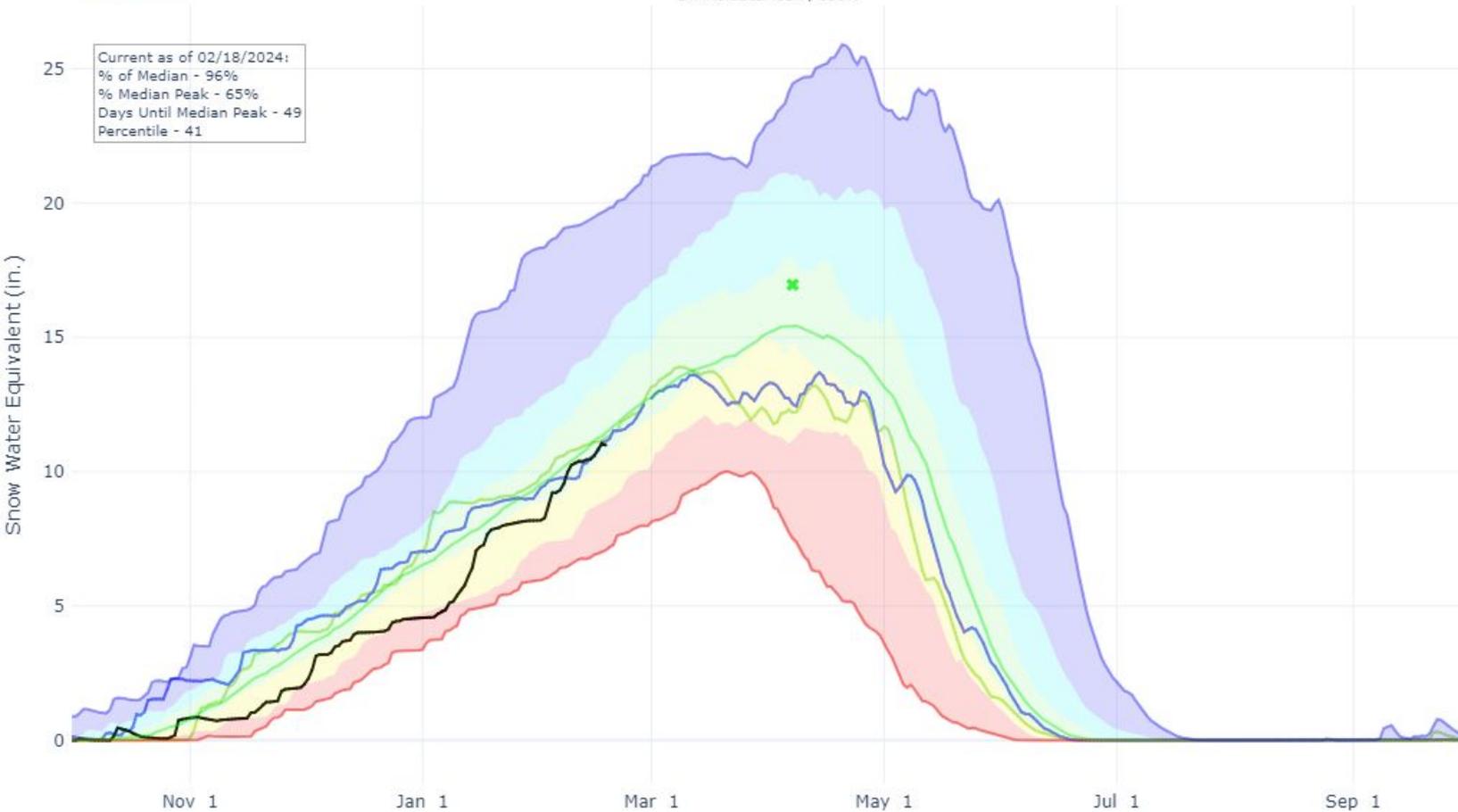
Reset Range

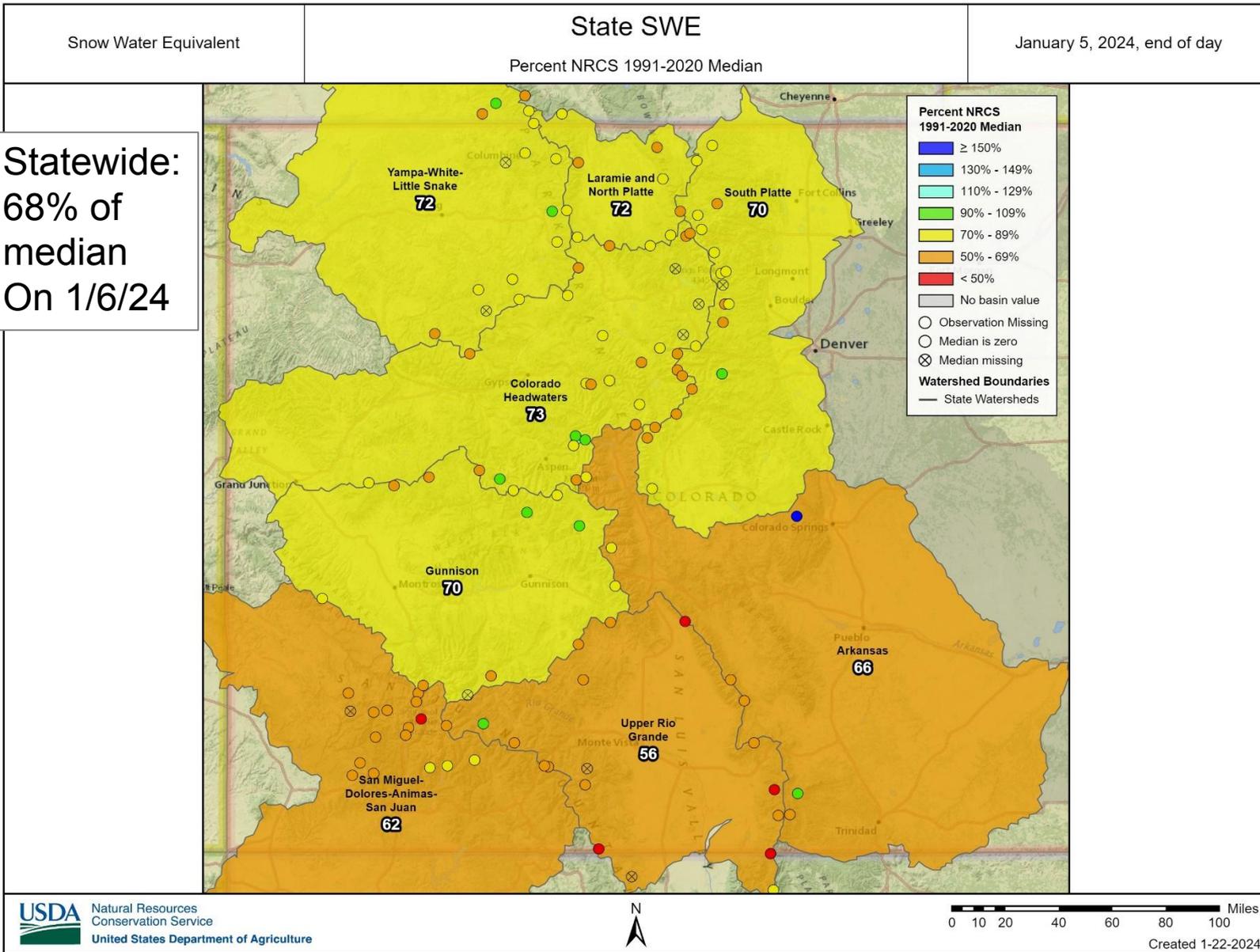
[Link to data: CSV / JSON](#)

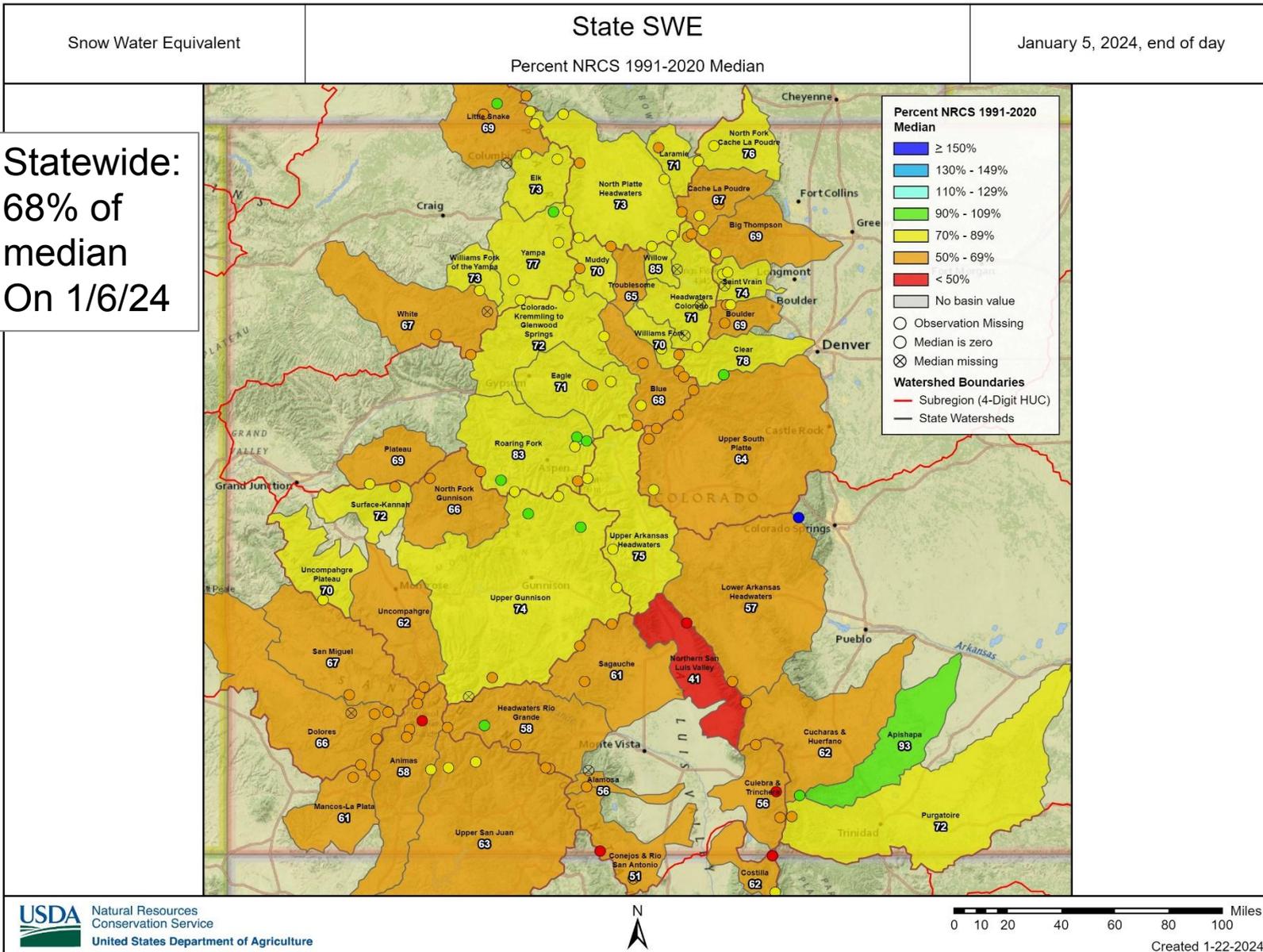
Station List

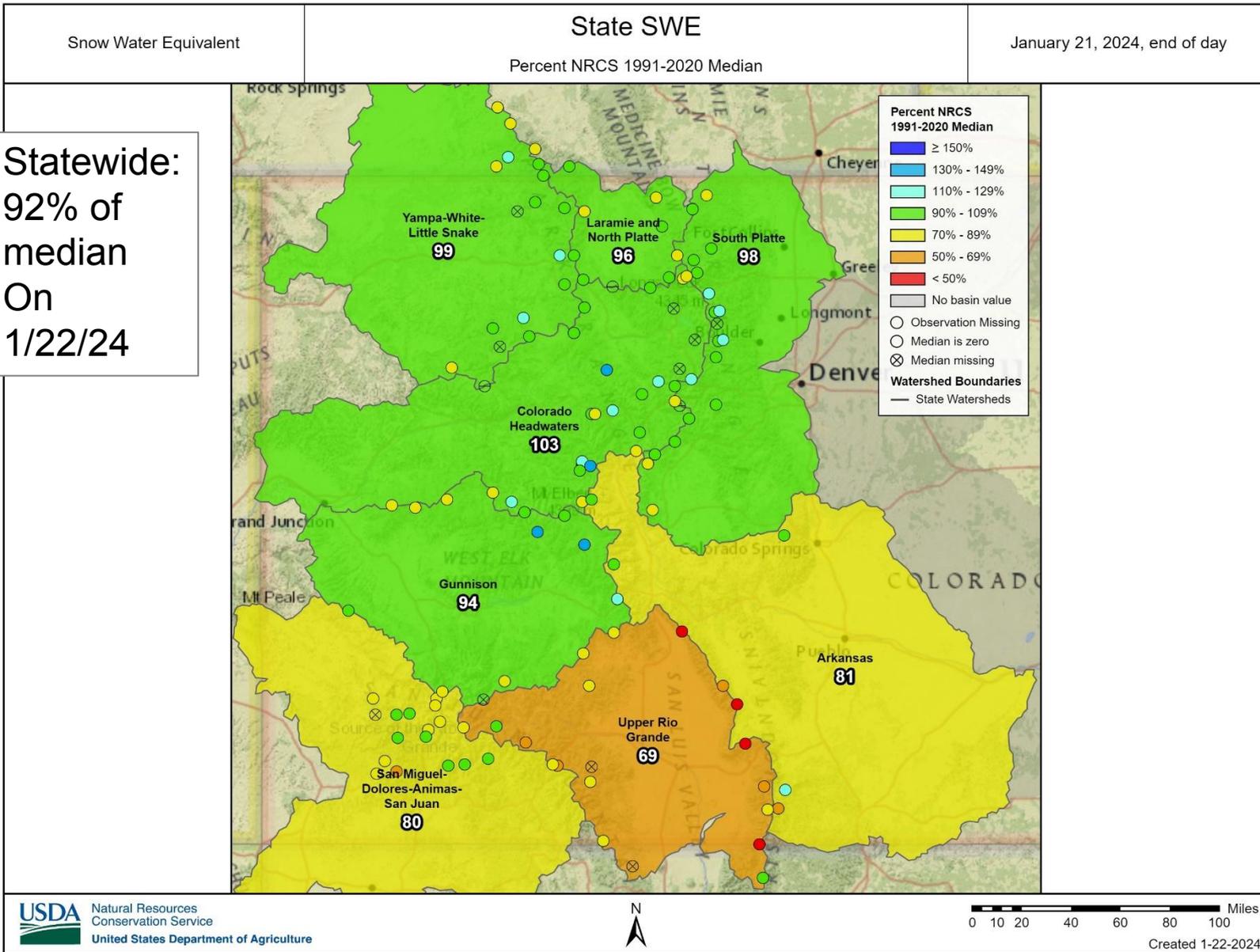
Current as of 02/18/2024:
 % of Median - 96%
 % Median Peak - 65%
 Days Until Median Peak - 49
 Percentile - 41

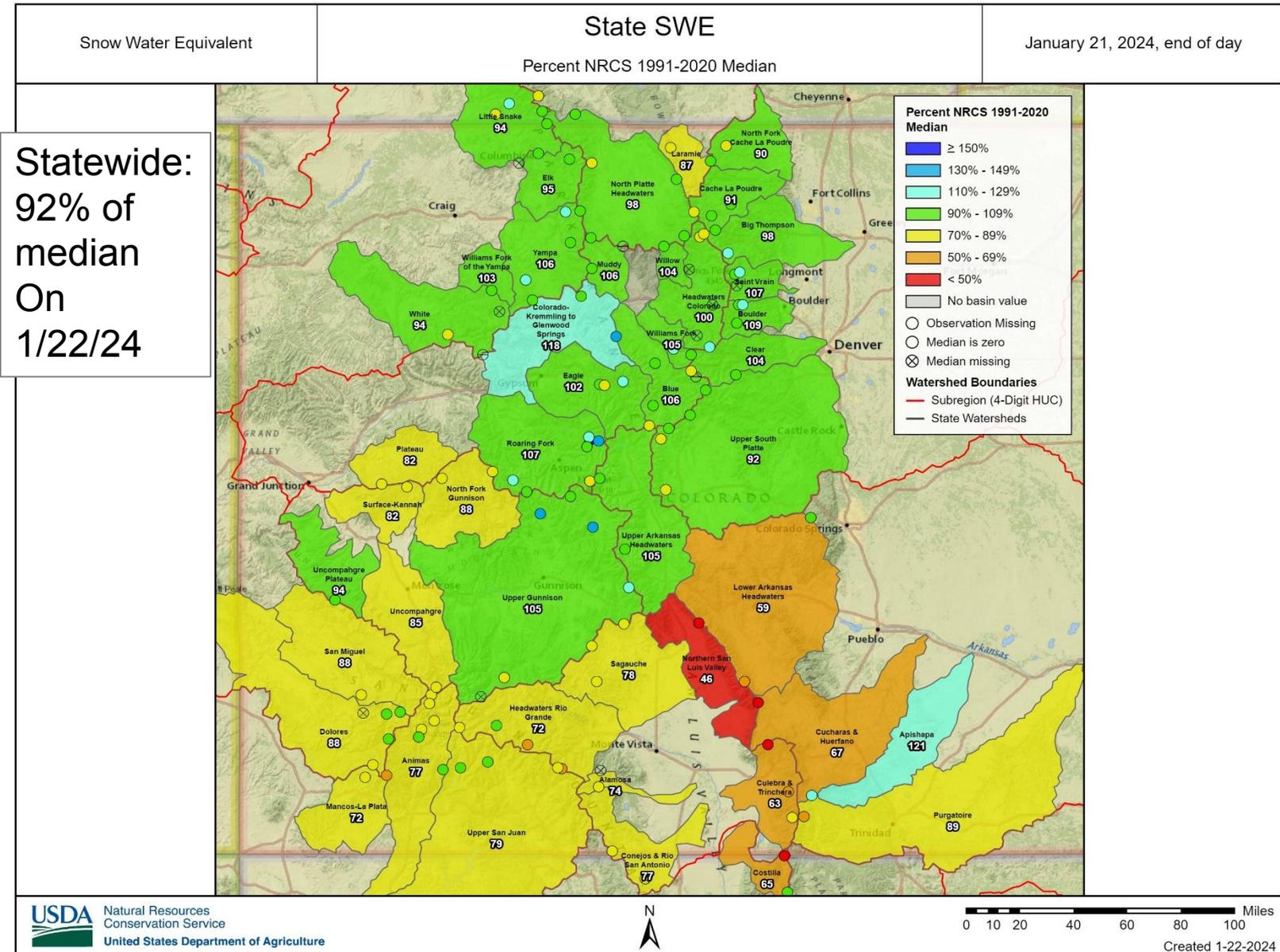
- ✱ Median Peak SWE
- Max
- Median ('91-'20)
- Min
- Stats. Shading
- 2024 (115 sites)
- 2007 (102 sites)
- 2004 (96 sites)













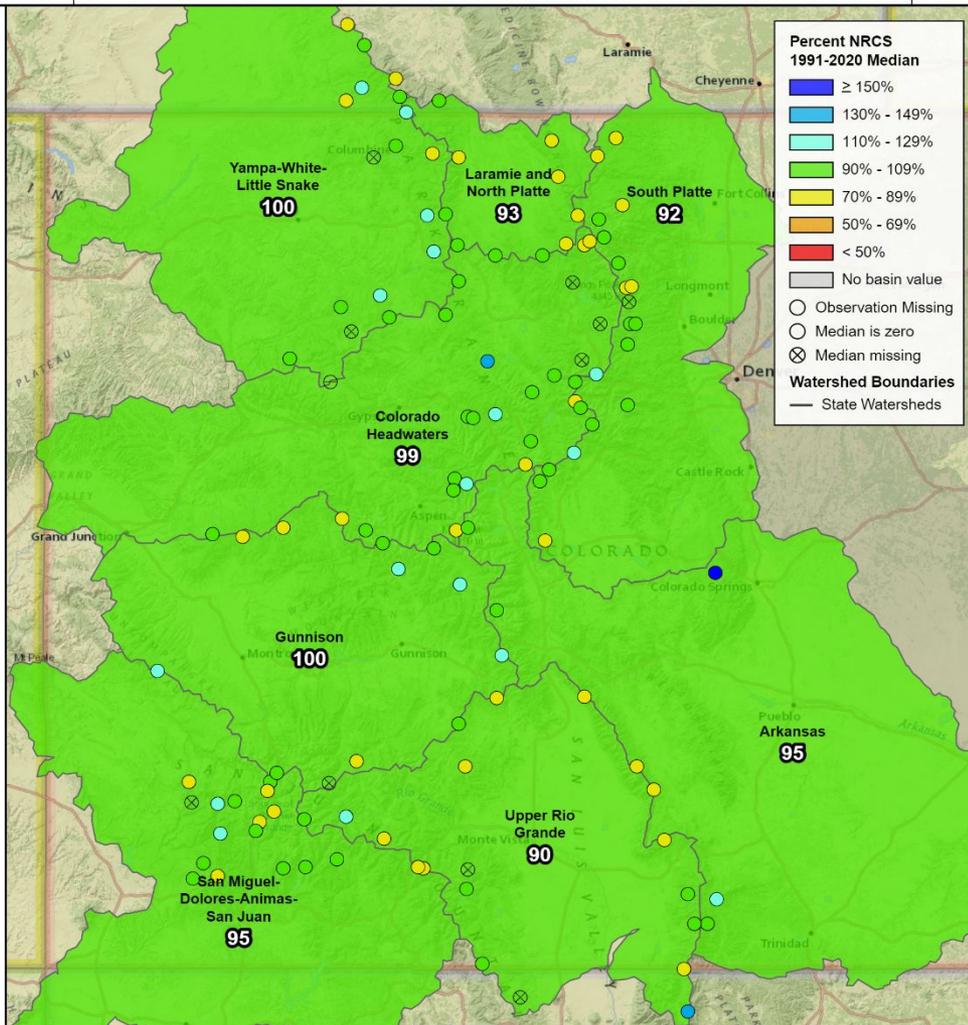
Snow Water Equivalent

State SWE

February 17, 2024, end of day

Percent NRCS 1991-2020 Median

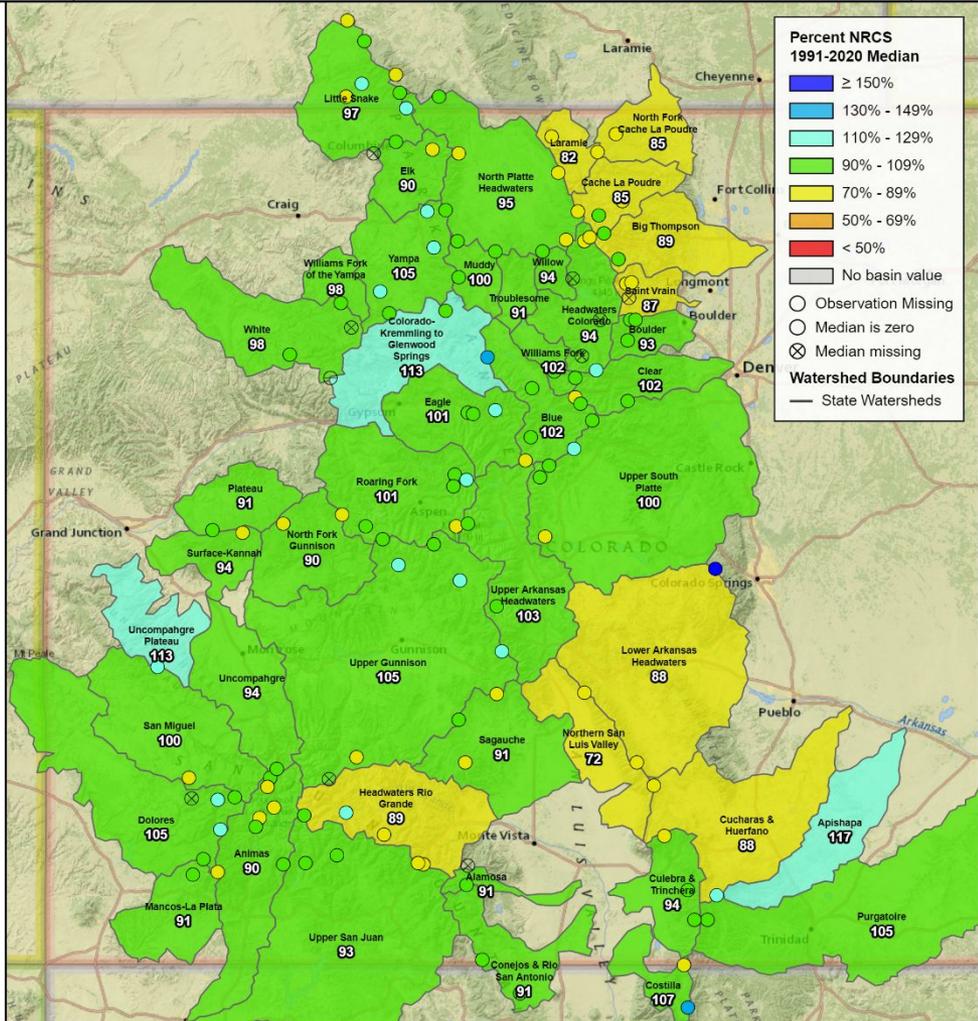
Statewide:
96% of
median
On
2/18/24



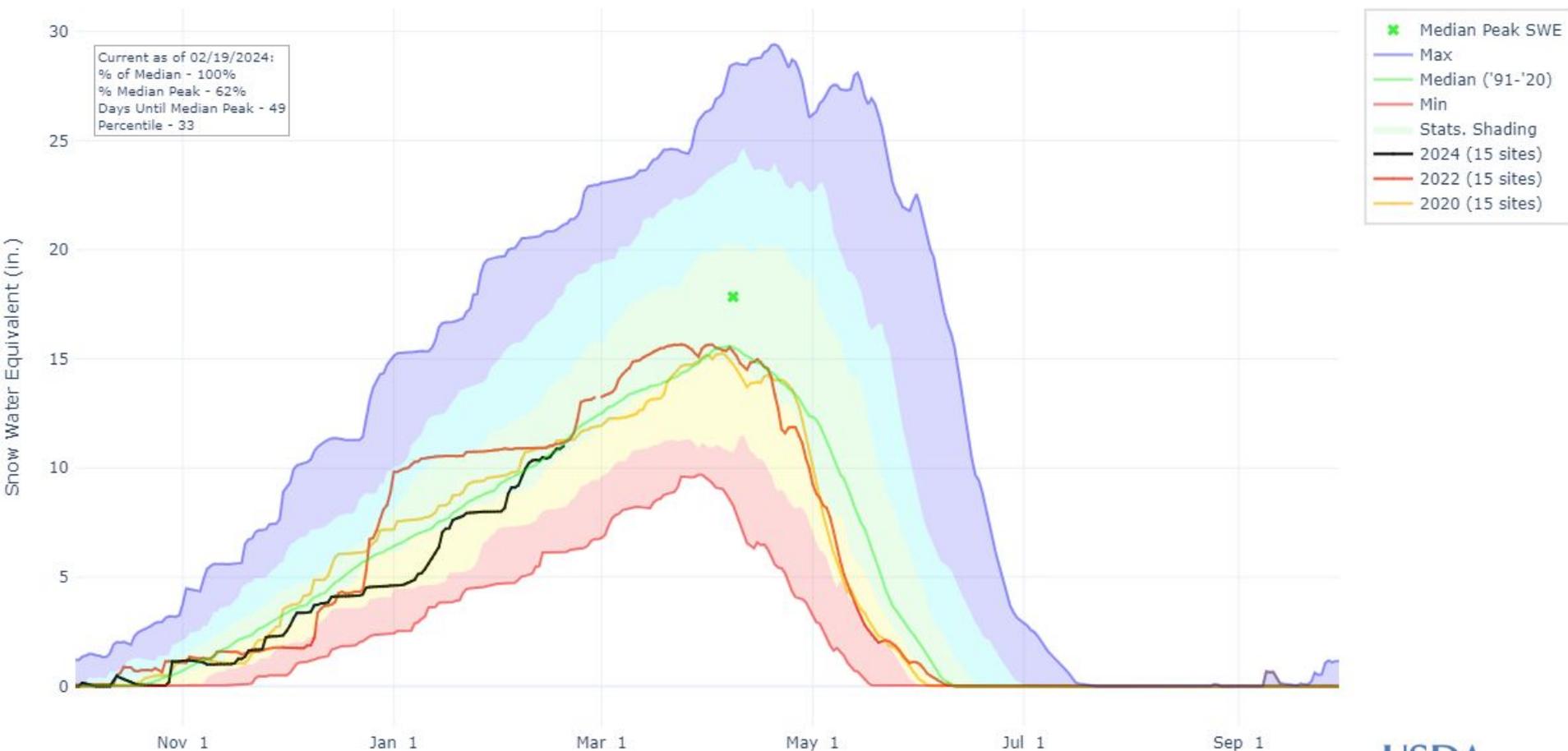


Snow Water Equivalent	<p align="center">State SWE</p> <p align="center">Percent NRCS 1991-2020 Median</p>	February 17, 2024, end of day
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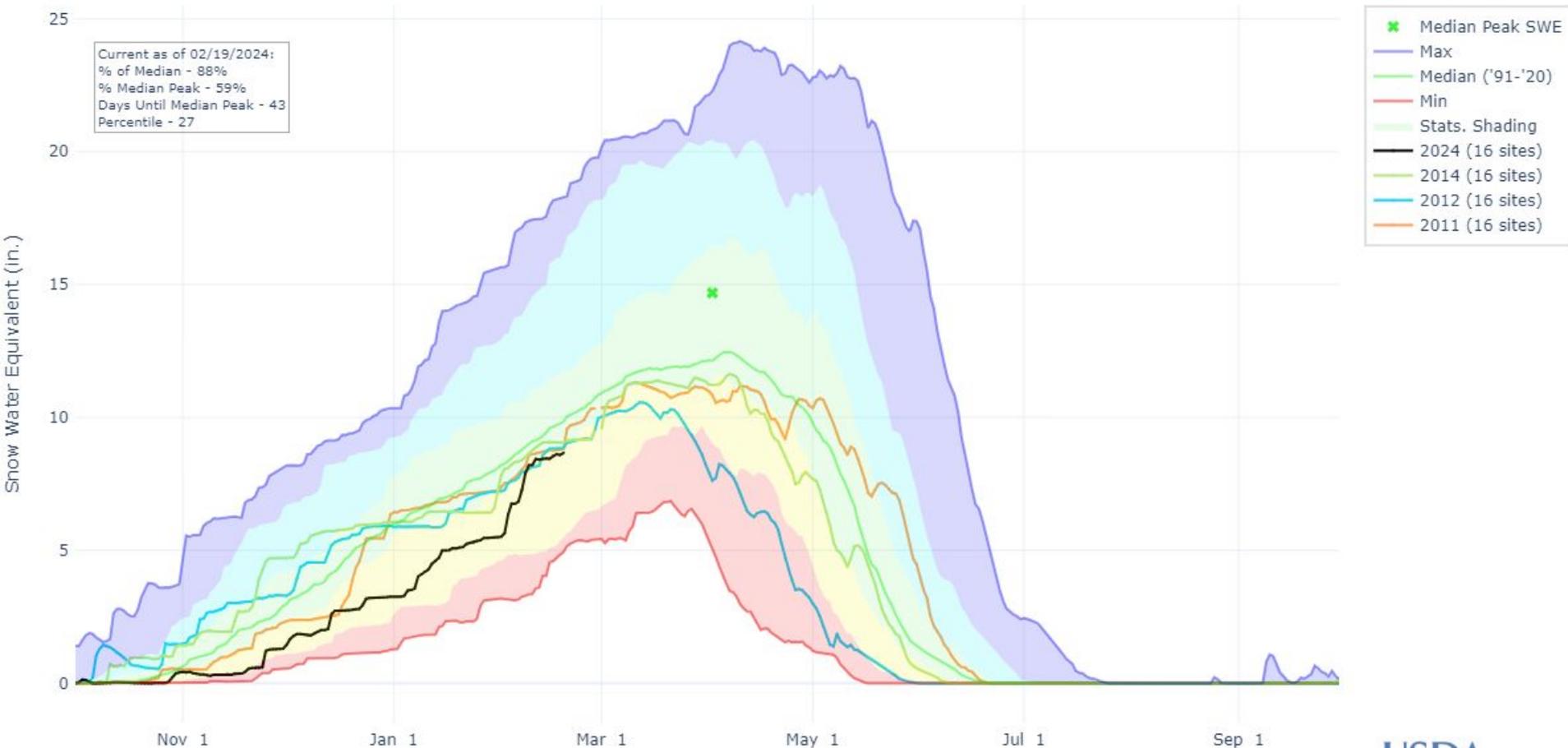
**Statewide:
96% of
median
On
2/18/24**



SNOW WATER EQUIVALENT IN GUNNISON

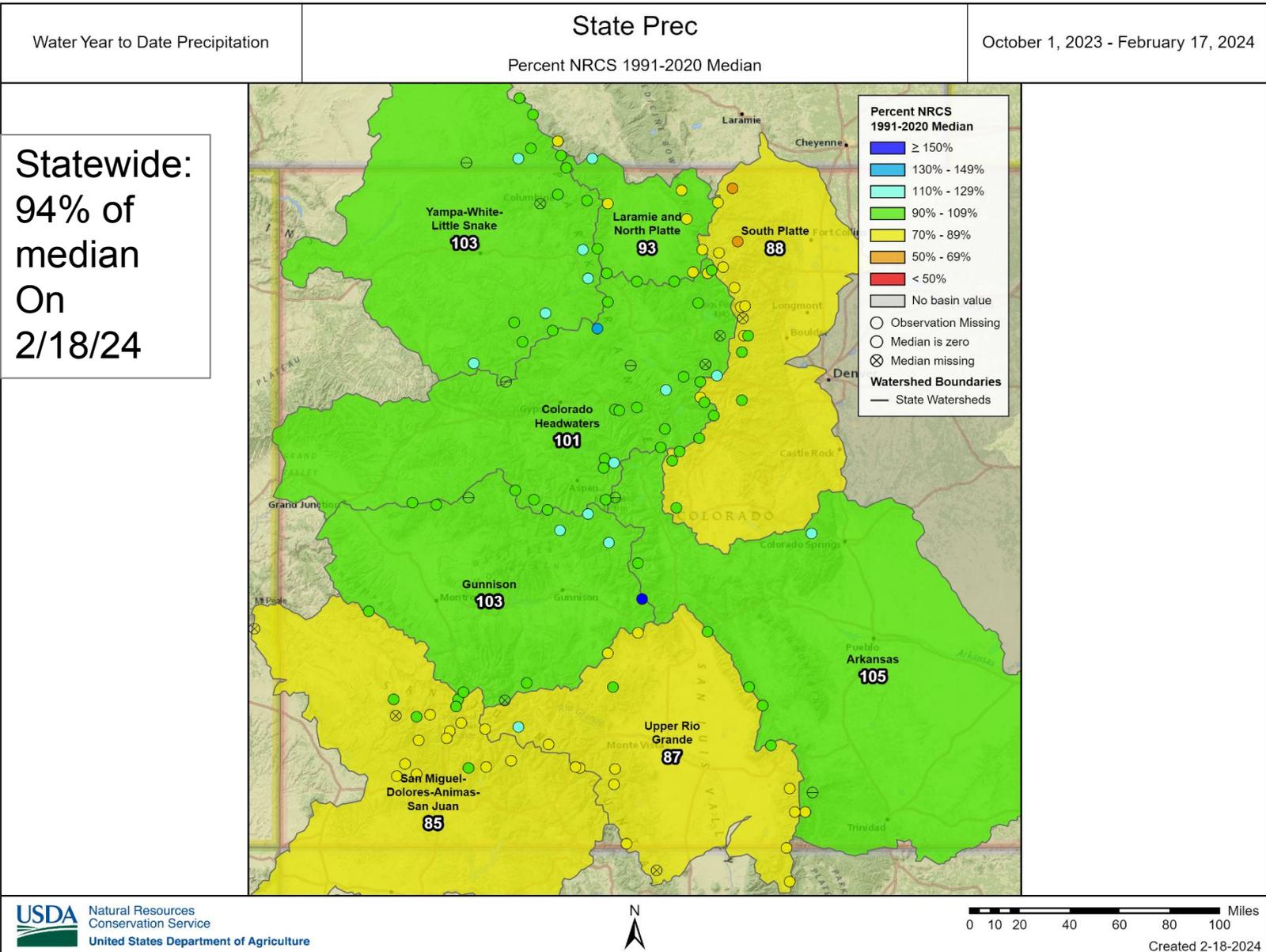


SNOW WATER EQUIVALENT IN RIO GRANDE HEADWATERS





WY Precipitation



PRECIPITATION ACCUMULATION IN STATE OF COLORADO

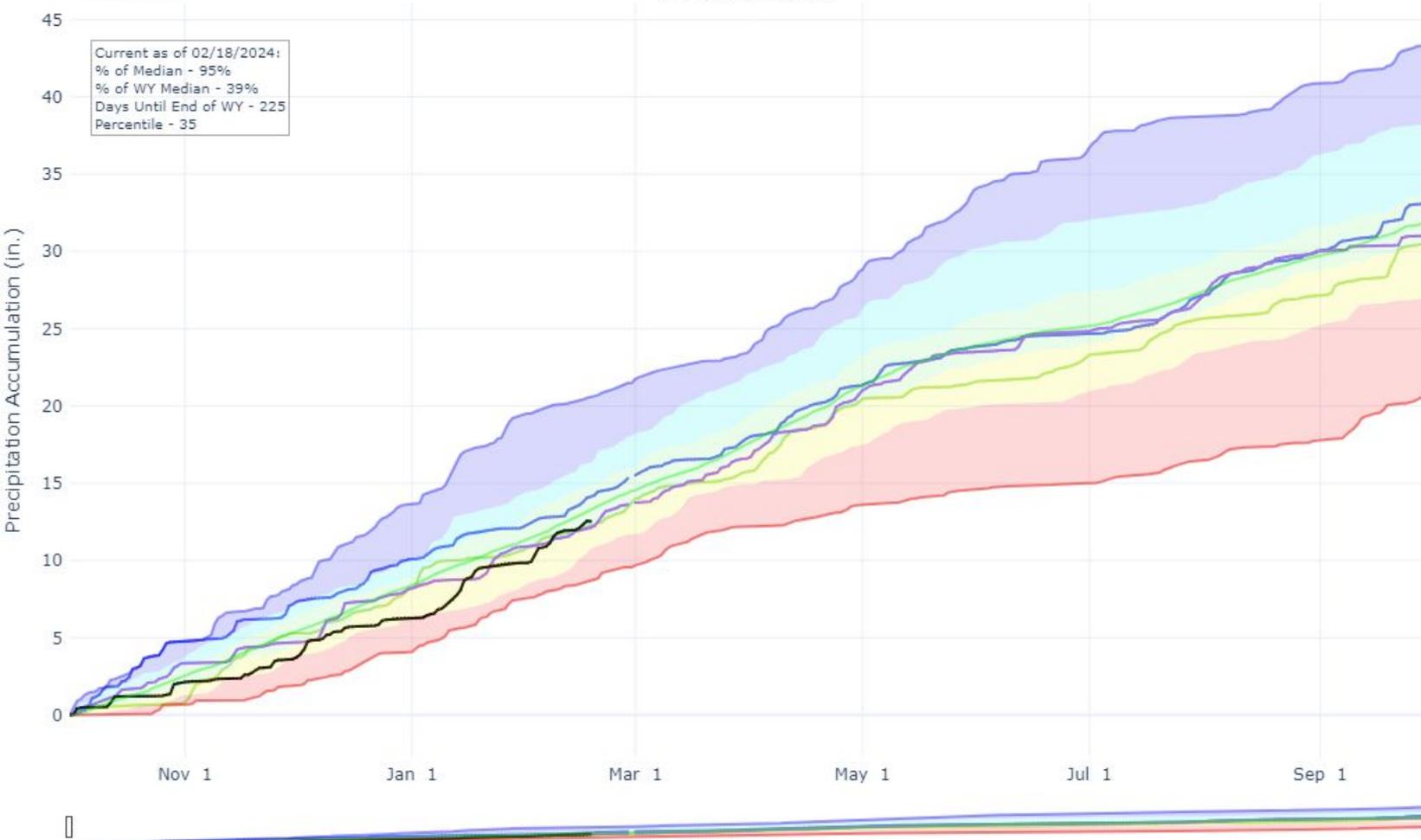
Reset Range

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

Current as of 02/18/2024:
% of Median - 95%
% of WY Median - 39%
Days Until End of WY - 225
Percentile - 35

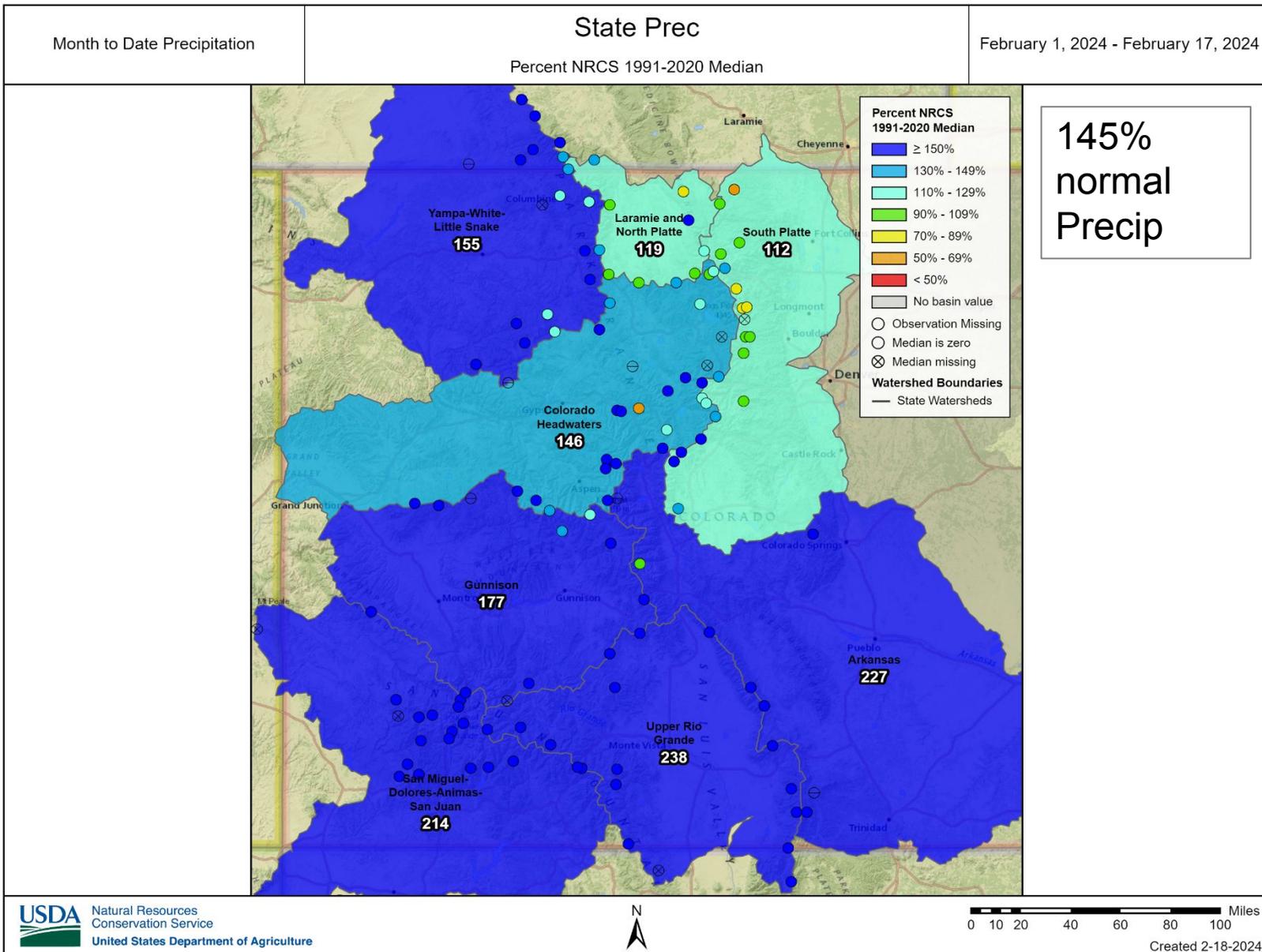
Station List

- Max
- Median ('91-'20)
- Min
- Stats. Shading
- 2024 (117 sites)
- 2010 (114 sites)
- 2007 (105 sites)
- 2004 (98 sites)



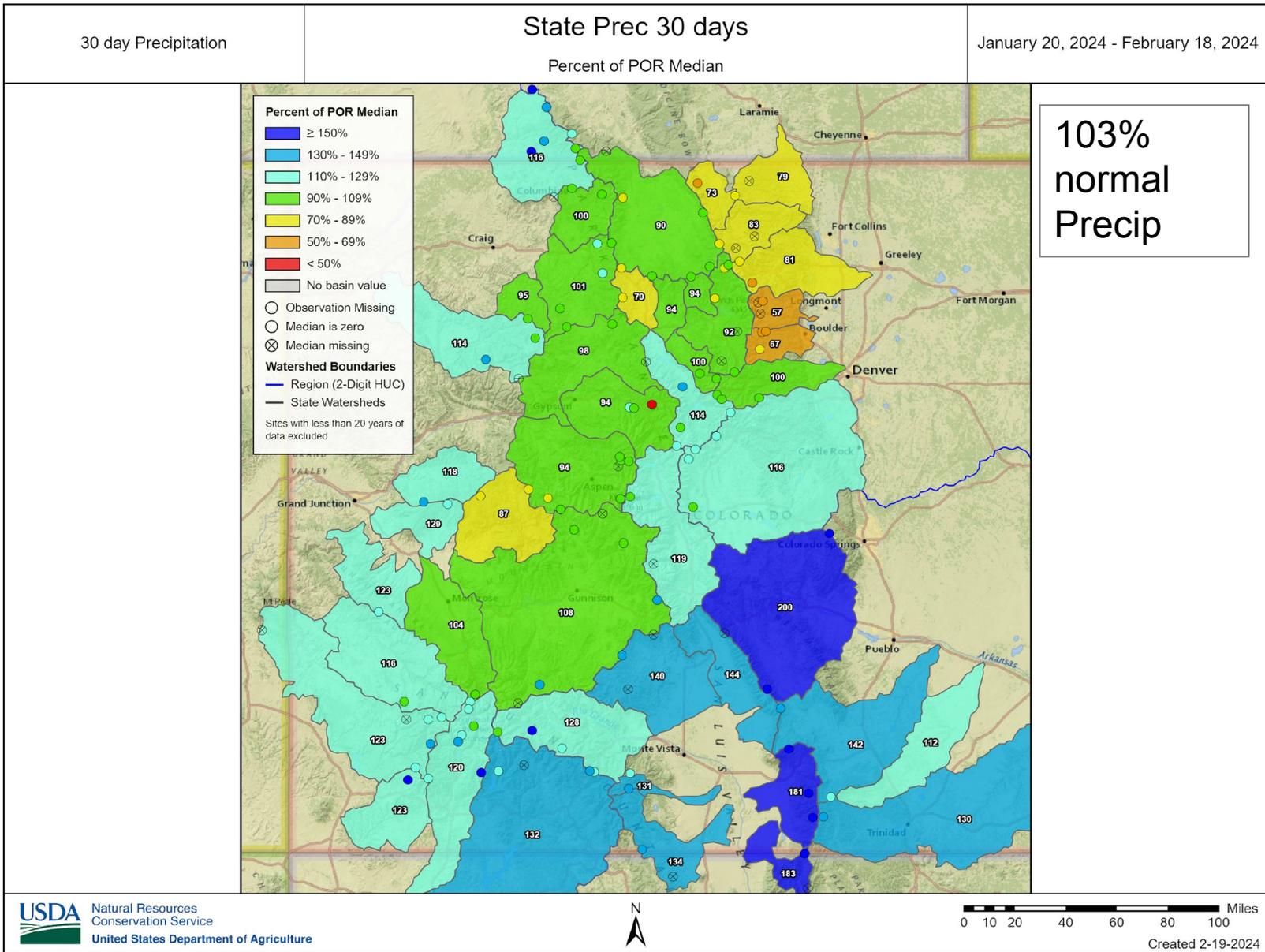


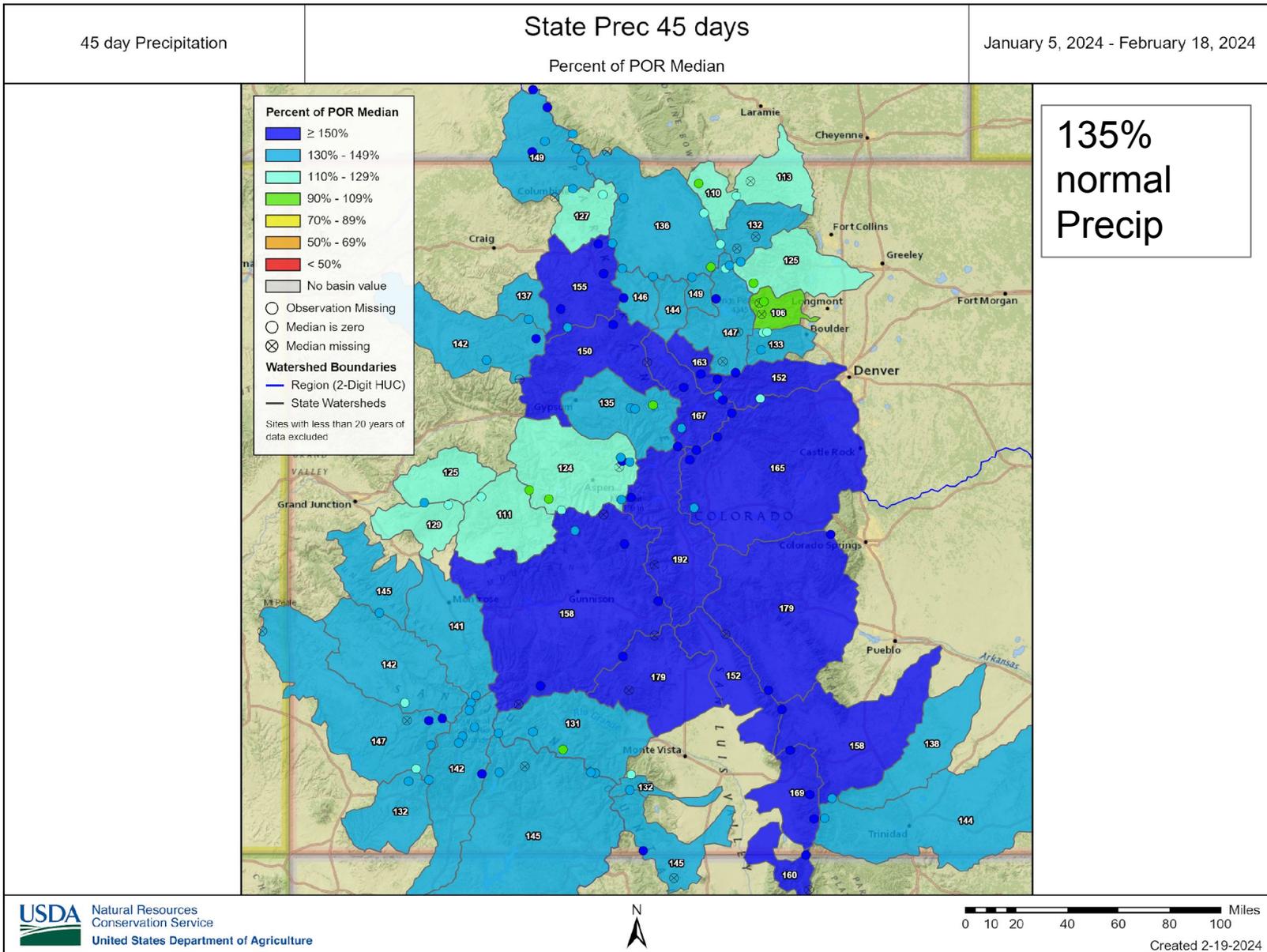
MTD Precipitation

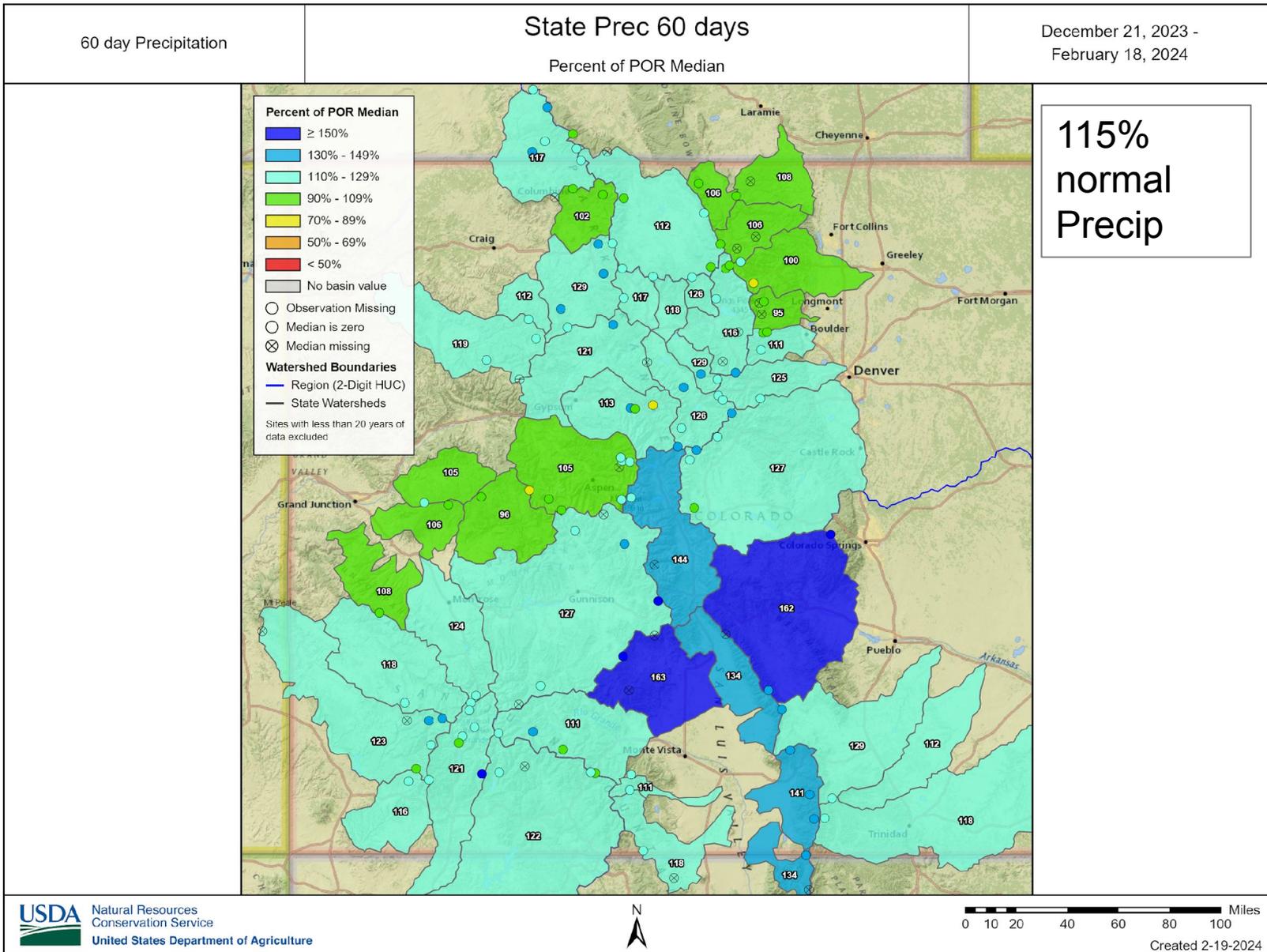


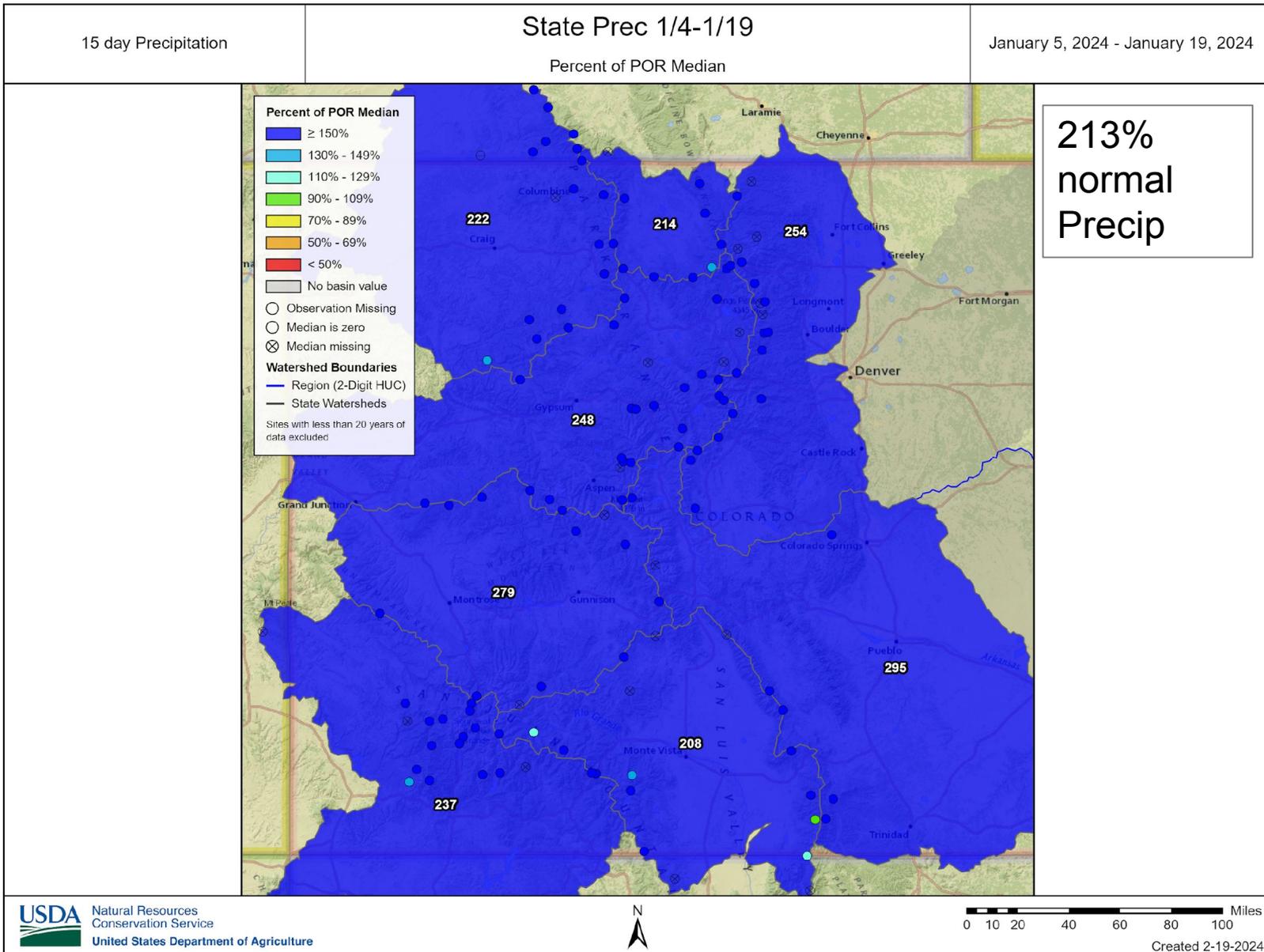


WY Precipitation

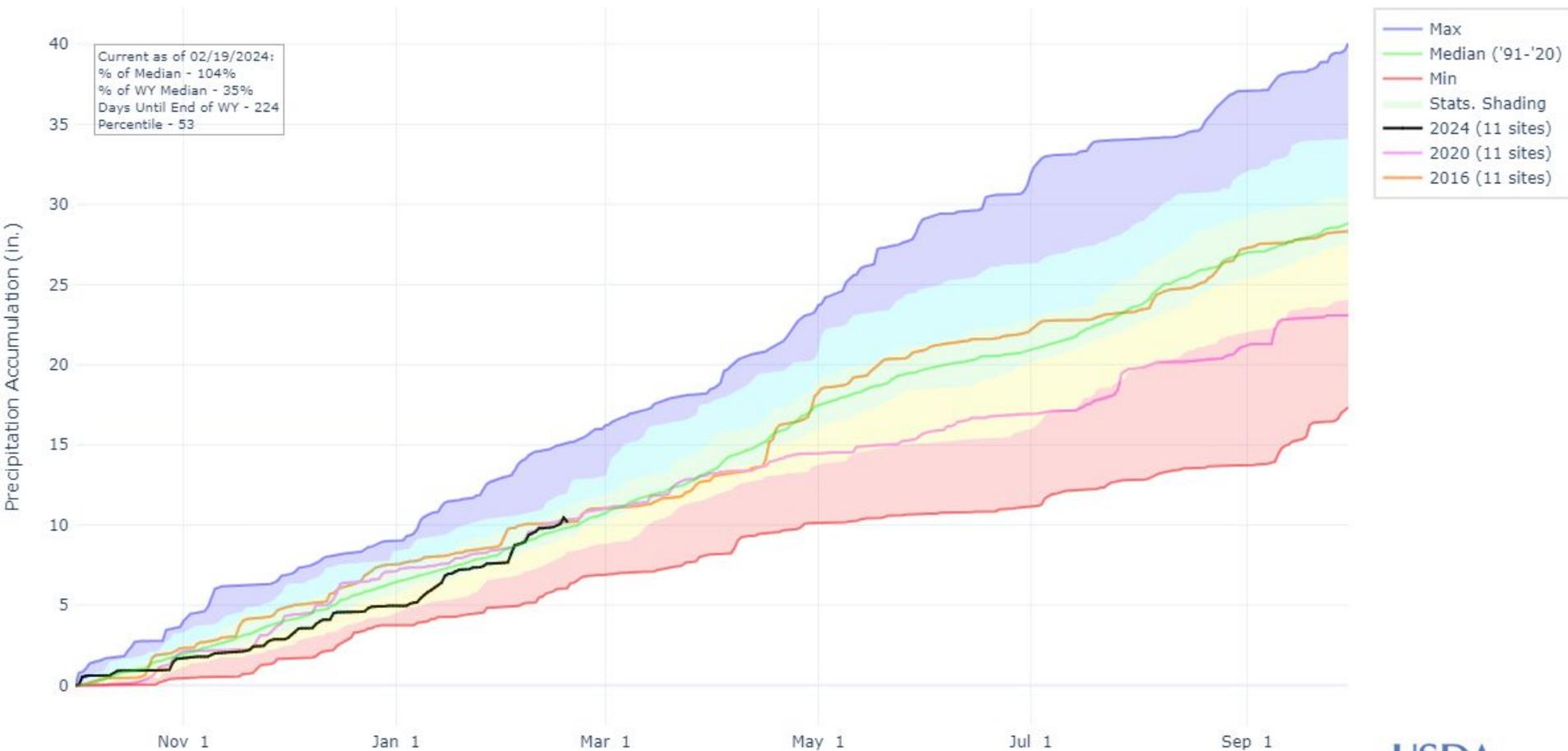




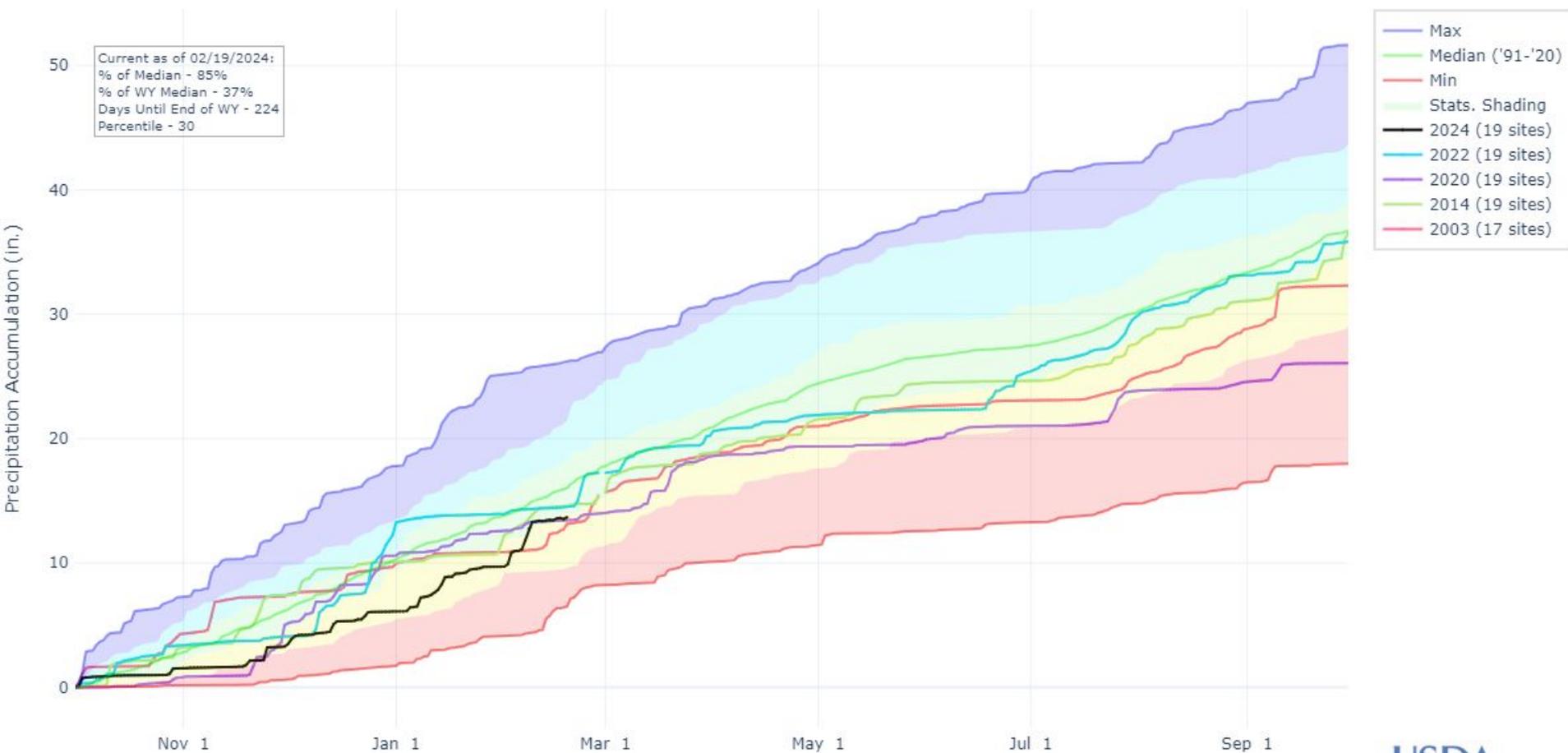




PRECIPITATION ACCUMULATION IN UPPER ARKANSAS



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

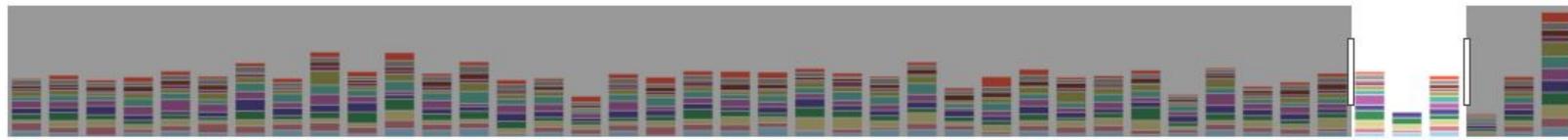
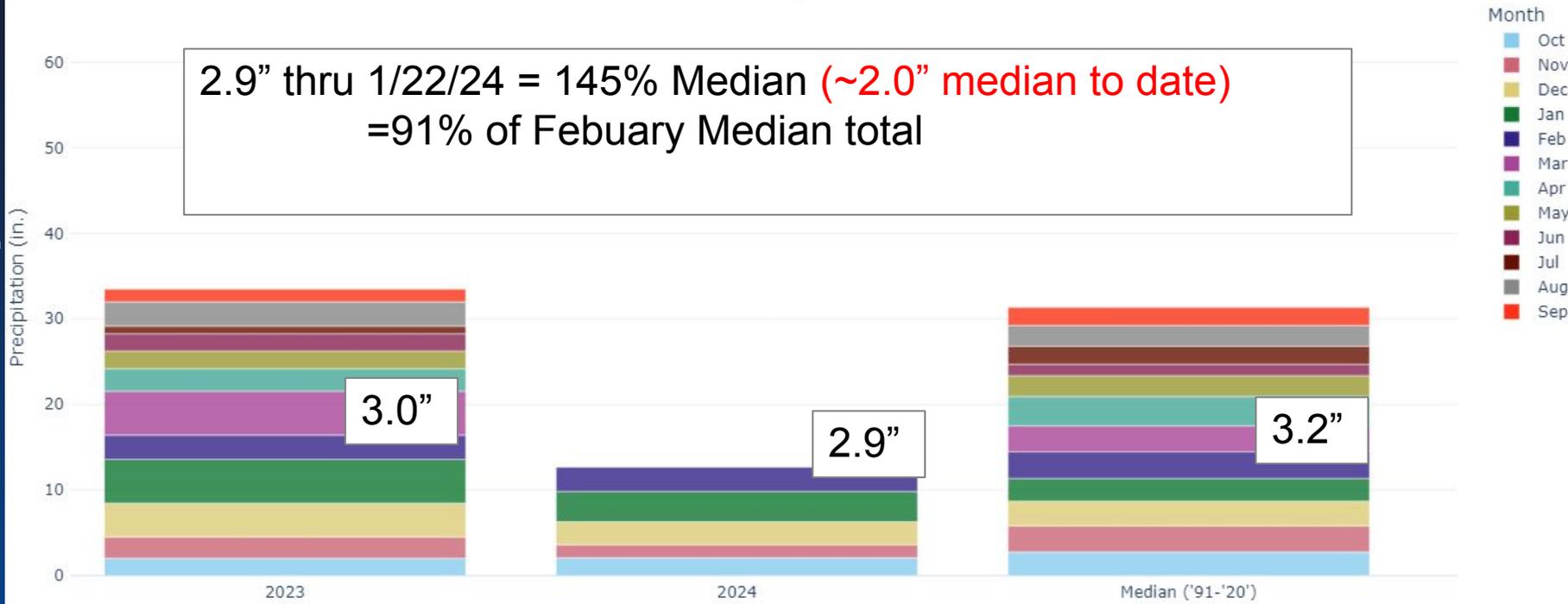


MTD Precipitation

STATE OF COLORADO MONTHLY PRECIPITATION SUMMARY

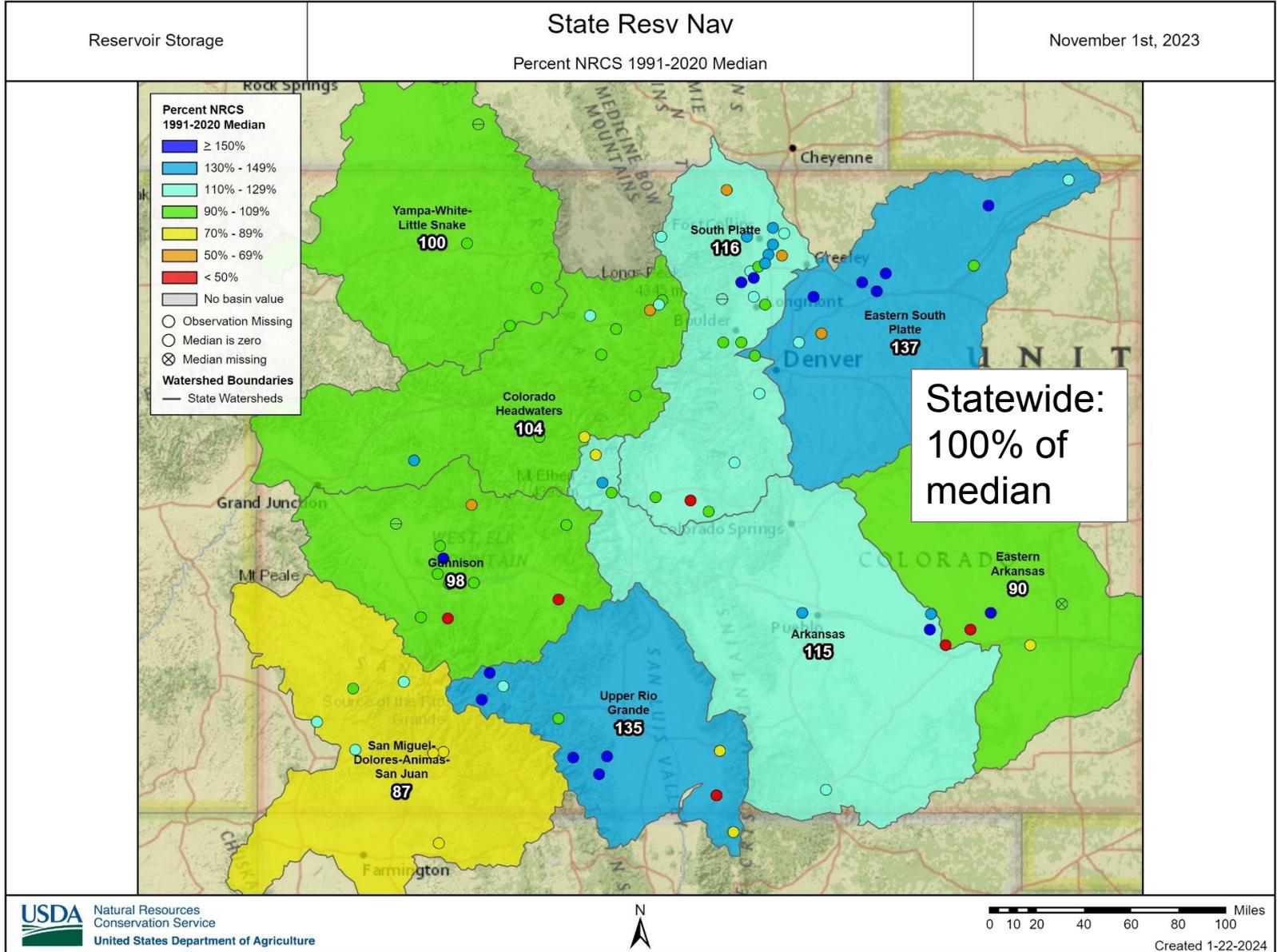
[Link to data: CSV / JSON](#)

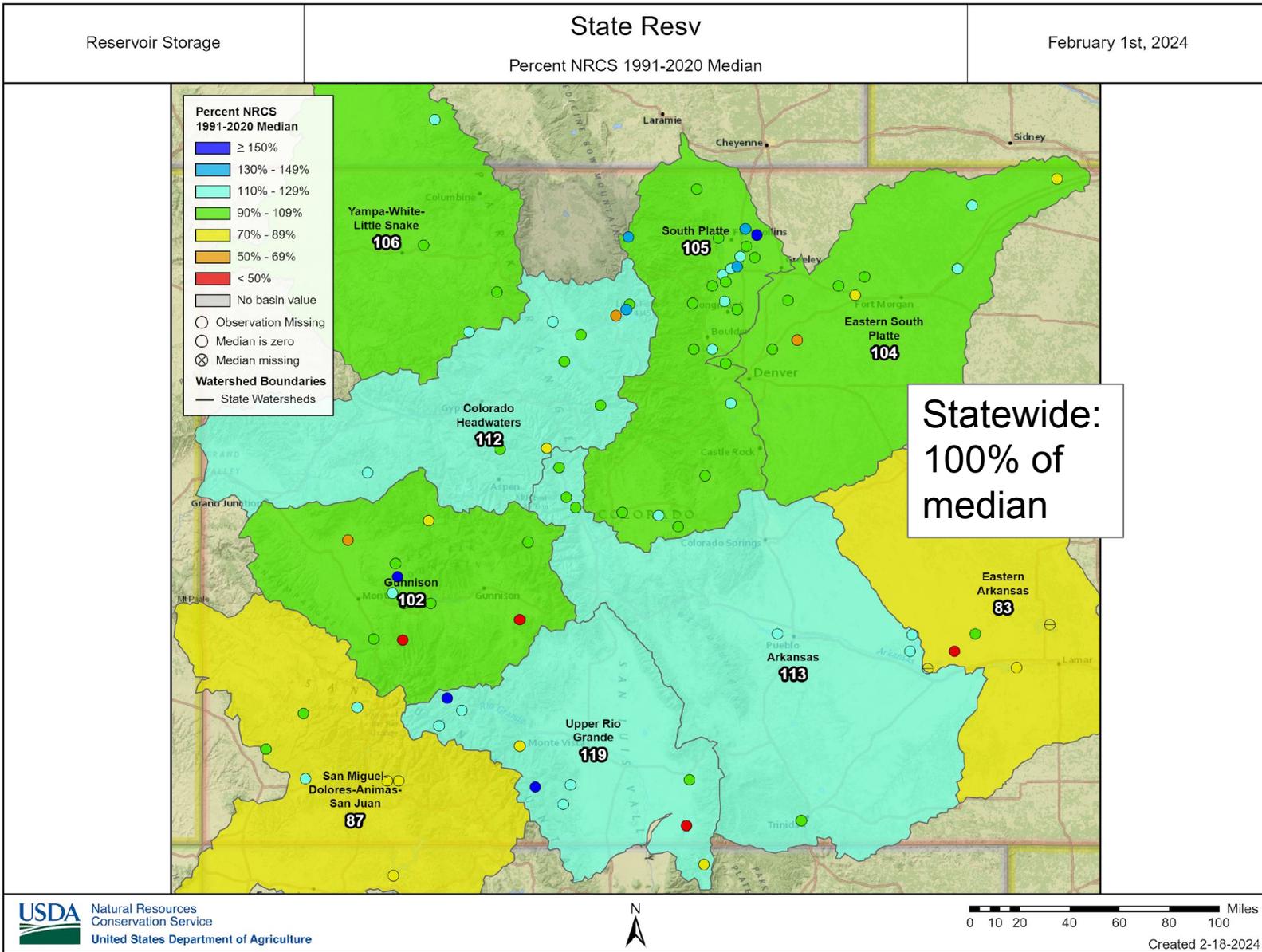
2.9" thru 1/22/24 = 145% Median (~2.0" median to date)
=91% of Febuary Median total

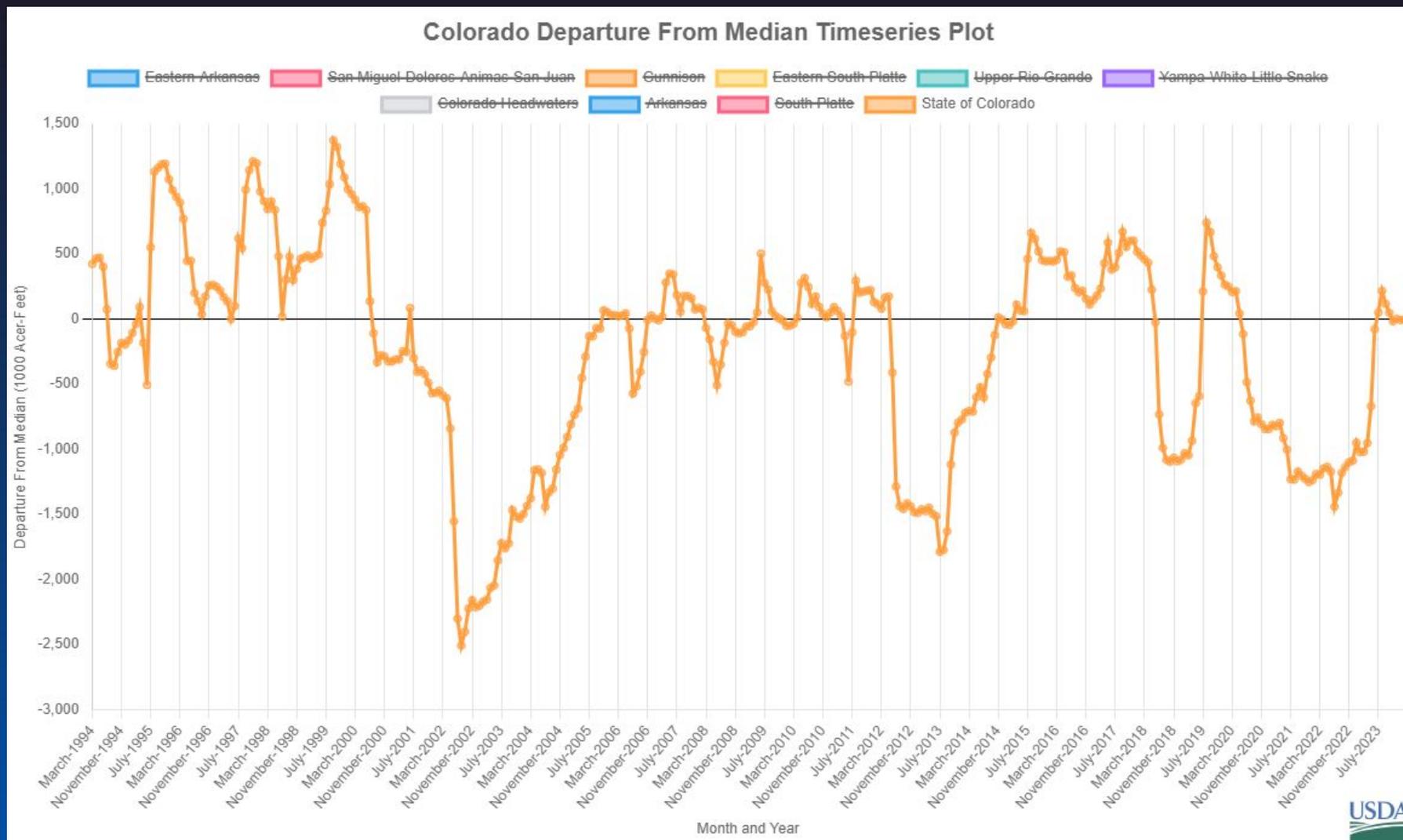


Water Year

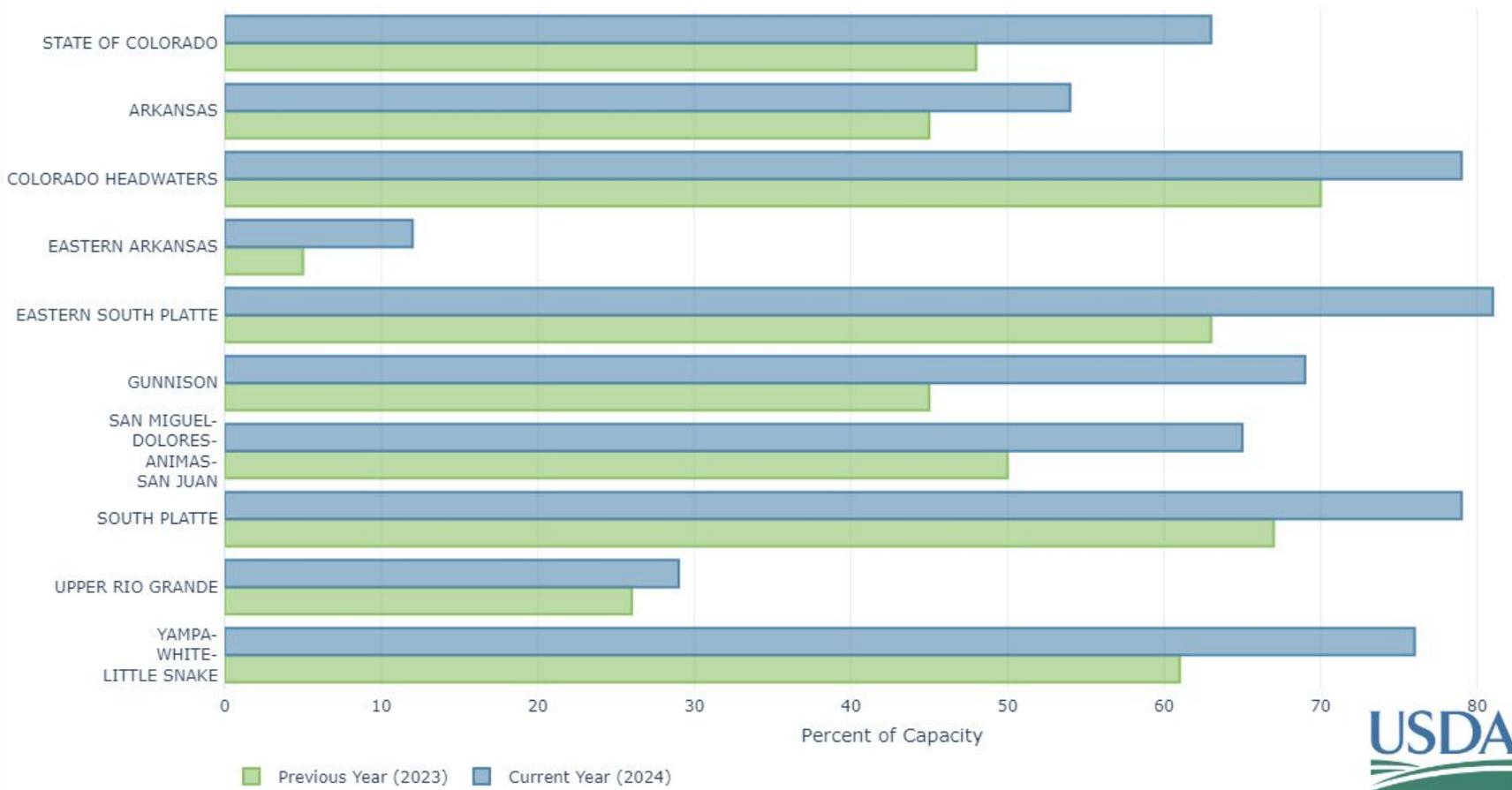
Reservoir Storage: November 1st







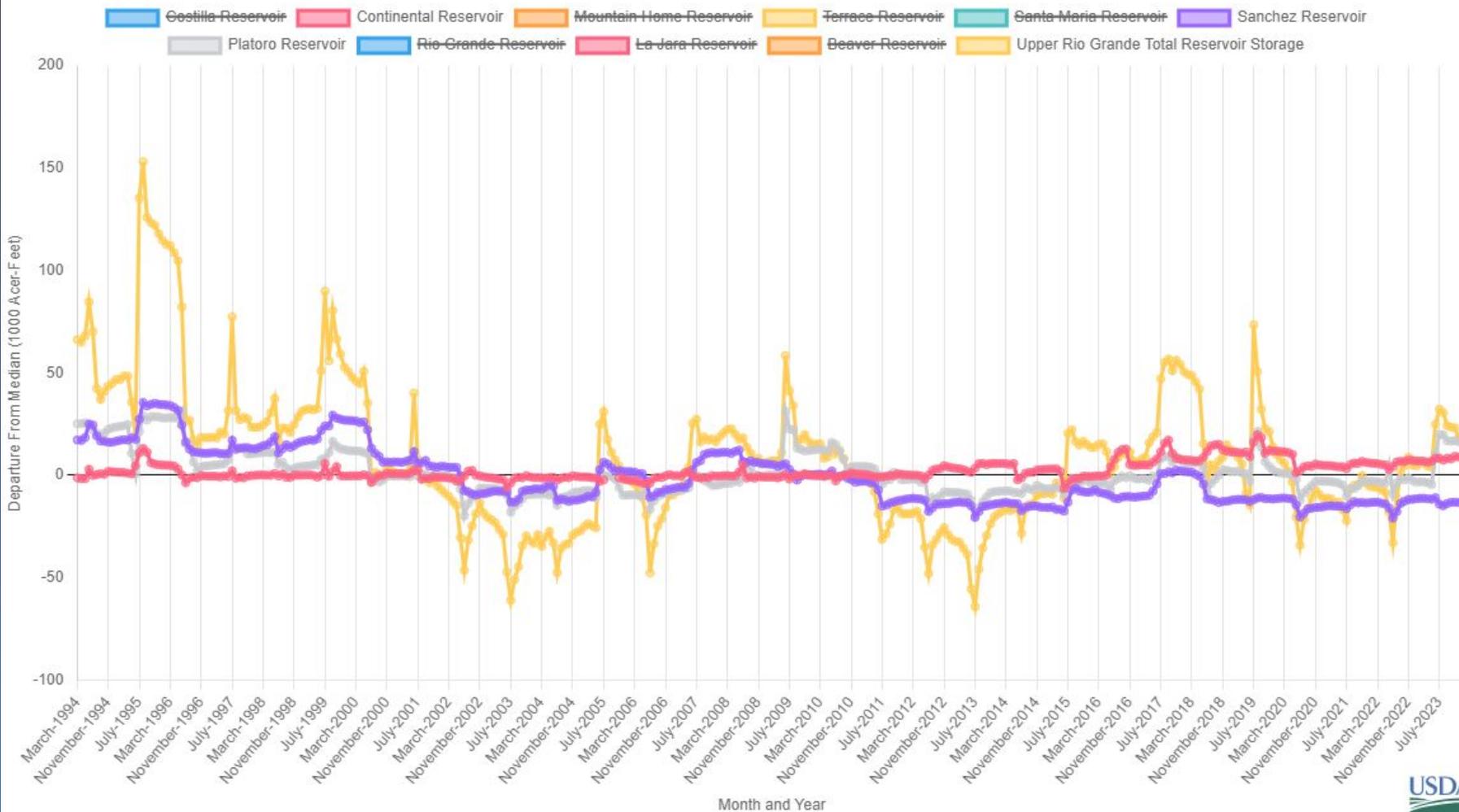
RESERVOIR STORAGE IN COLORADO
END OF JANUARY 2024





Reservoir Storage

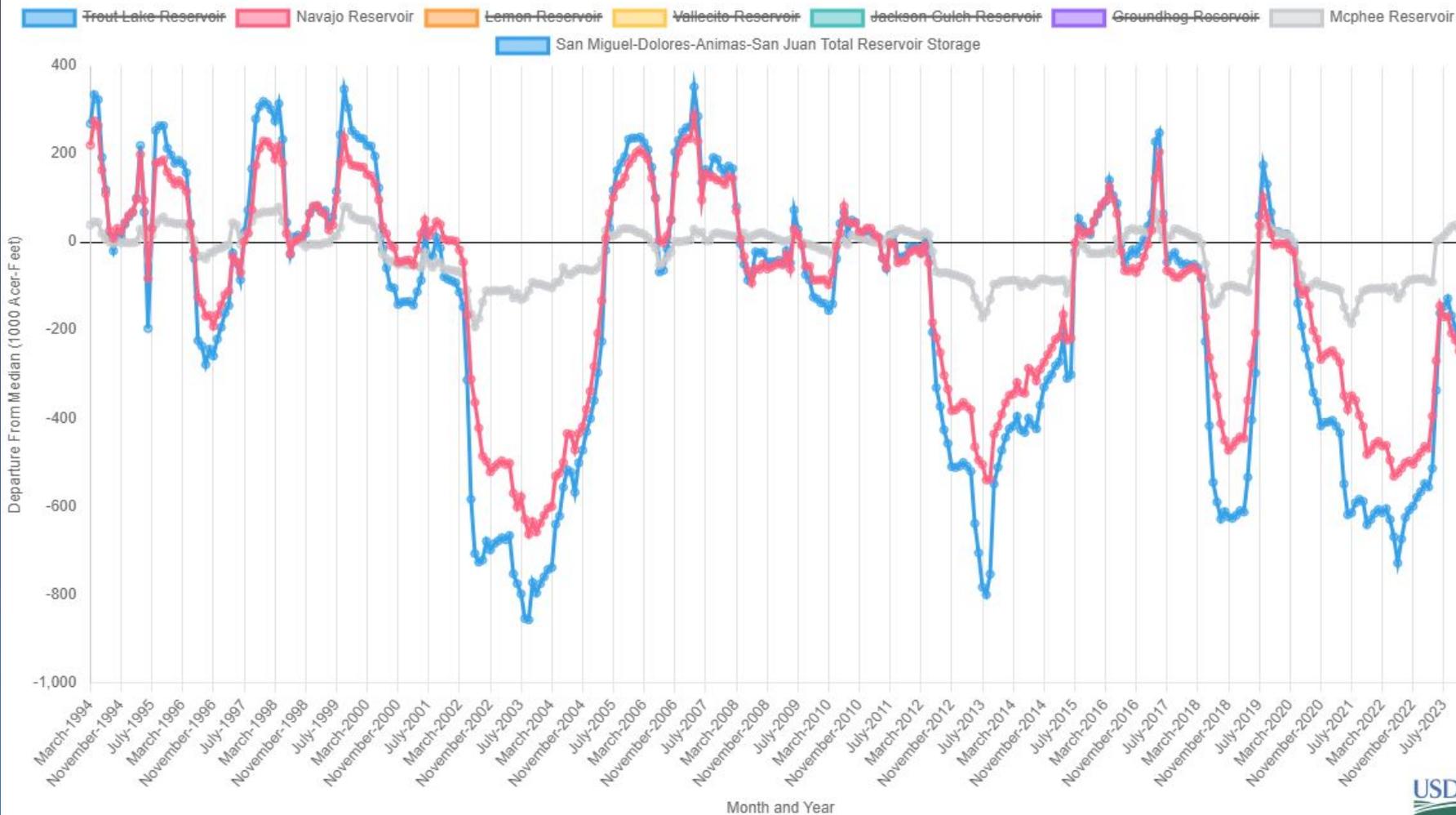
Upper Rio Grande Departure From Median Timeseries Plot





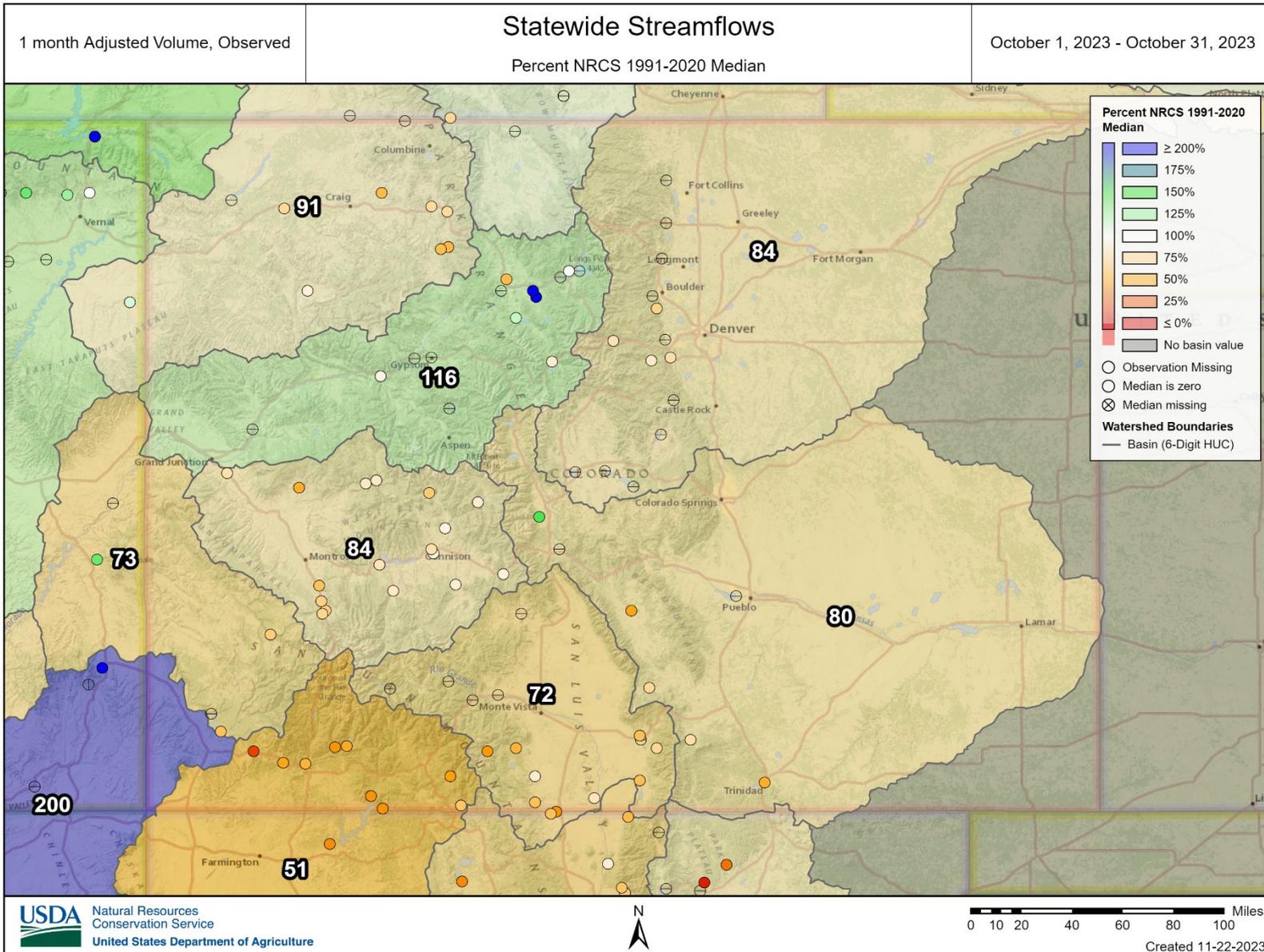
Reservoir Storage

San Miguel-Dolores-Animas-San Juan Departure From Median Timeseries Plot



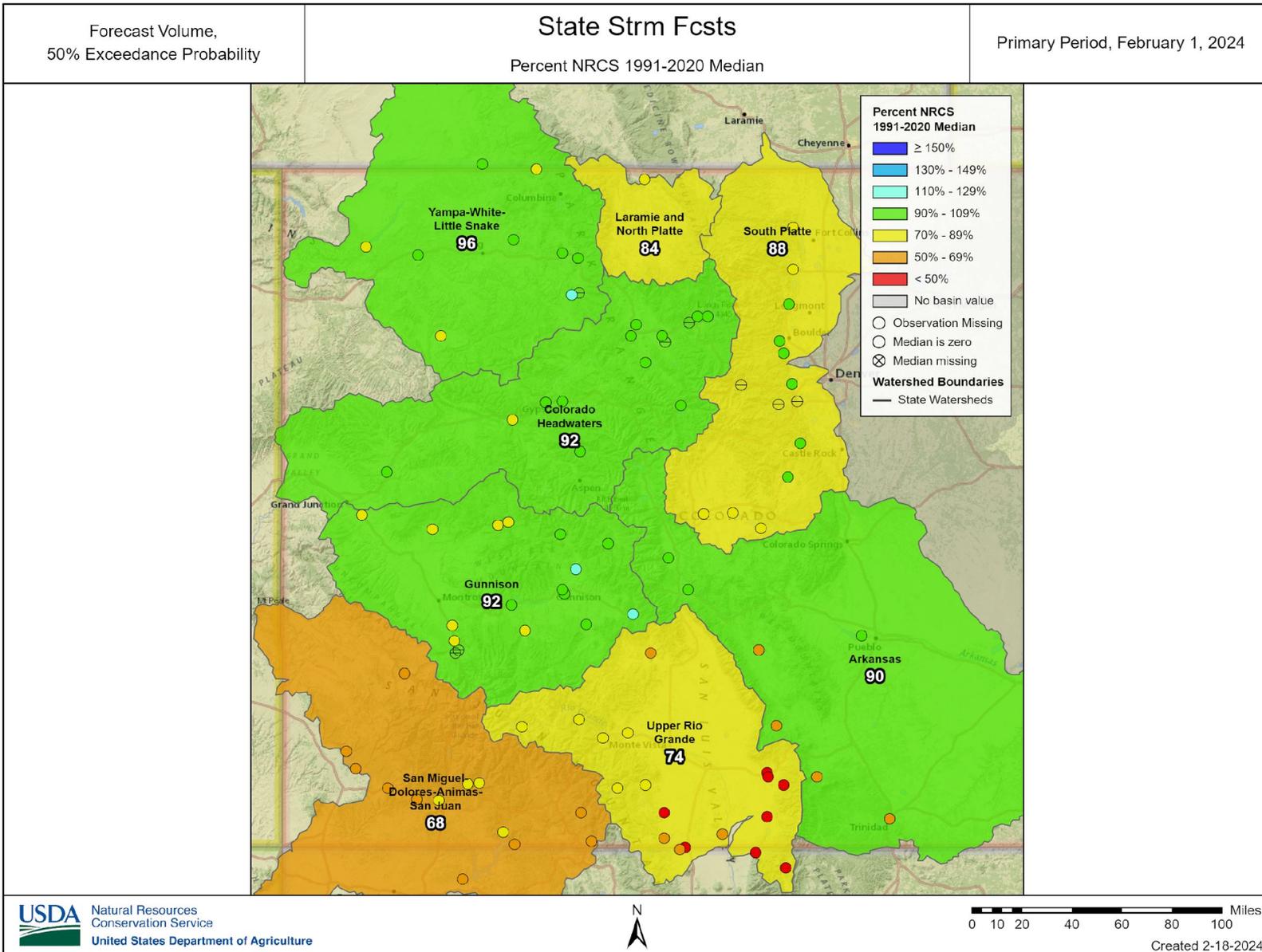


October Observed Streamflow





Streamflow Forecasts



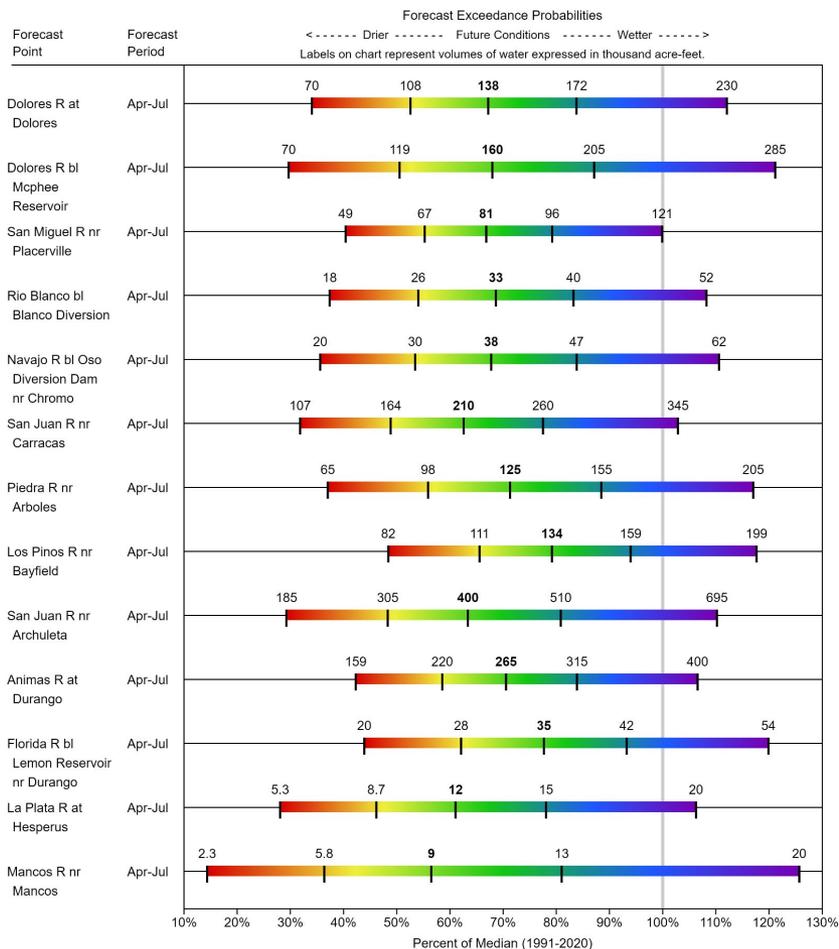


Streamflow Forecasts

SAN MIGUEL-DOLORES-ANIMAS-SAN JUAN

Water Supply Forecasts

February 1, 2024



Legend



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

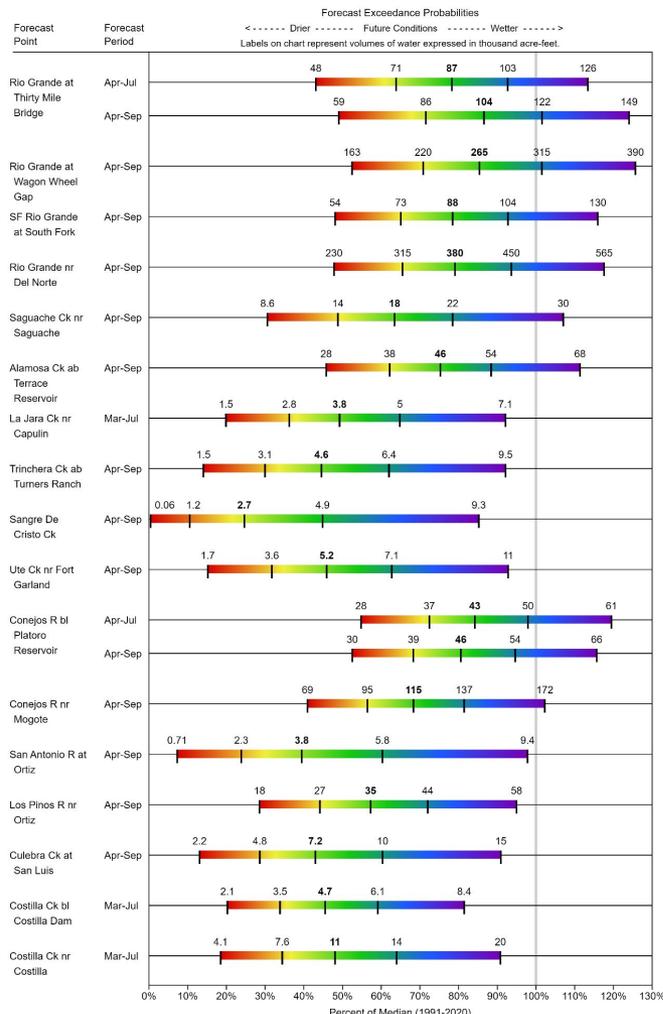


Some forecasts may be for volumes that are regulated or influenced by diversions and water management.

UPPER RIO GRANDE

Water Supply Forecasts

February 1, 2024



Legend



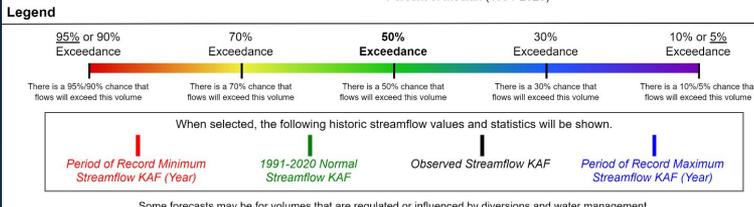
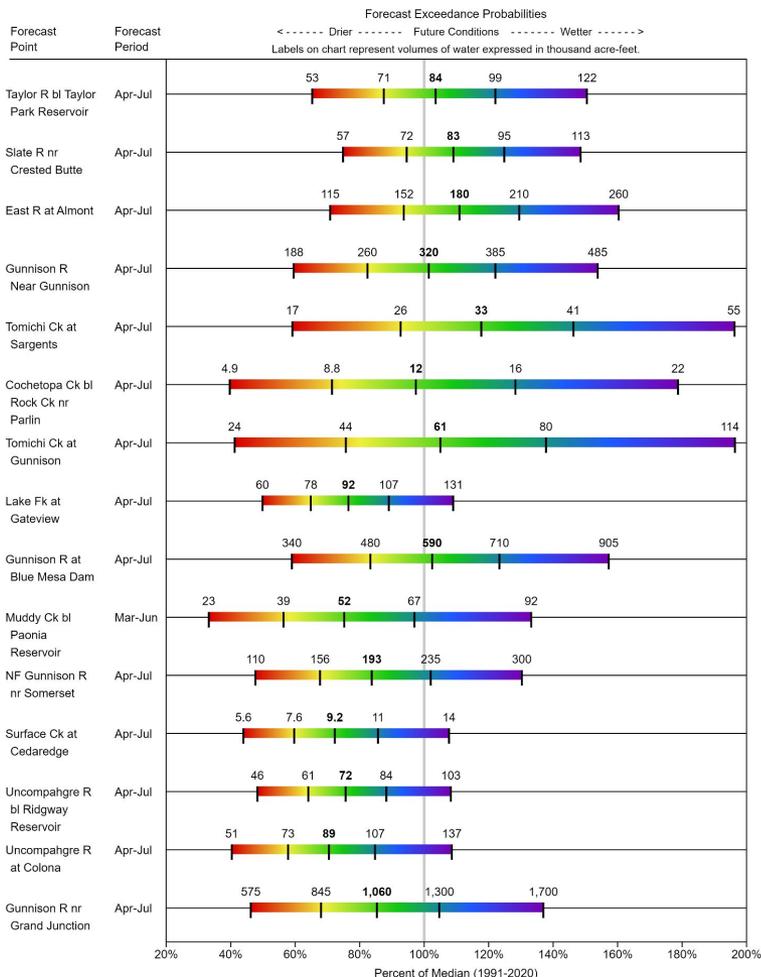
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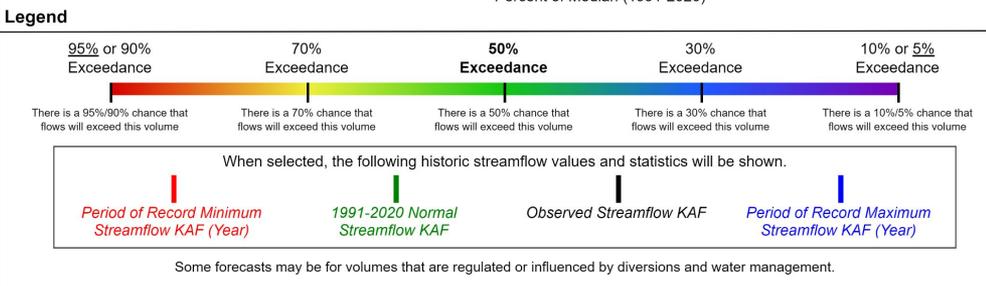
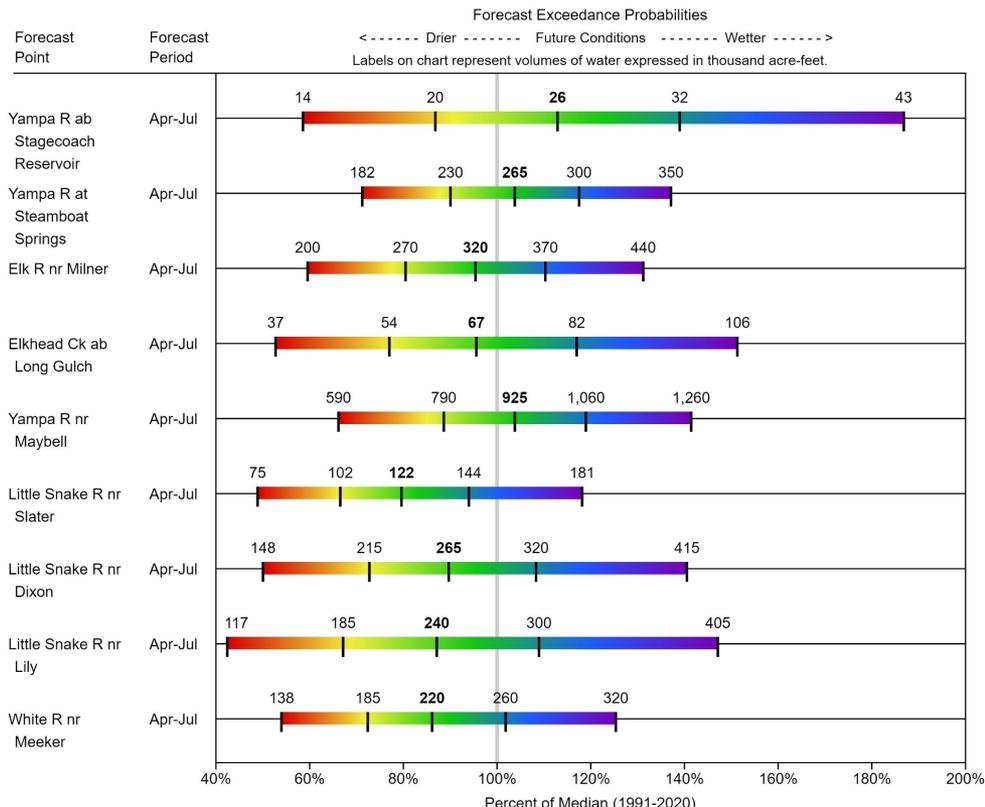
Some forecasts may be for volumes that are regulated or influenced by diversions and water management.



GUNNISON Water Supply Forecasts February 1, 2024



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

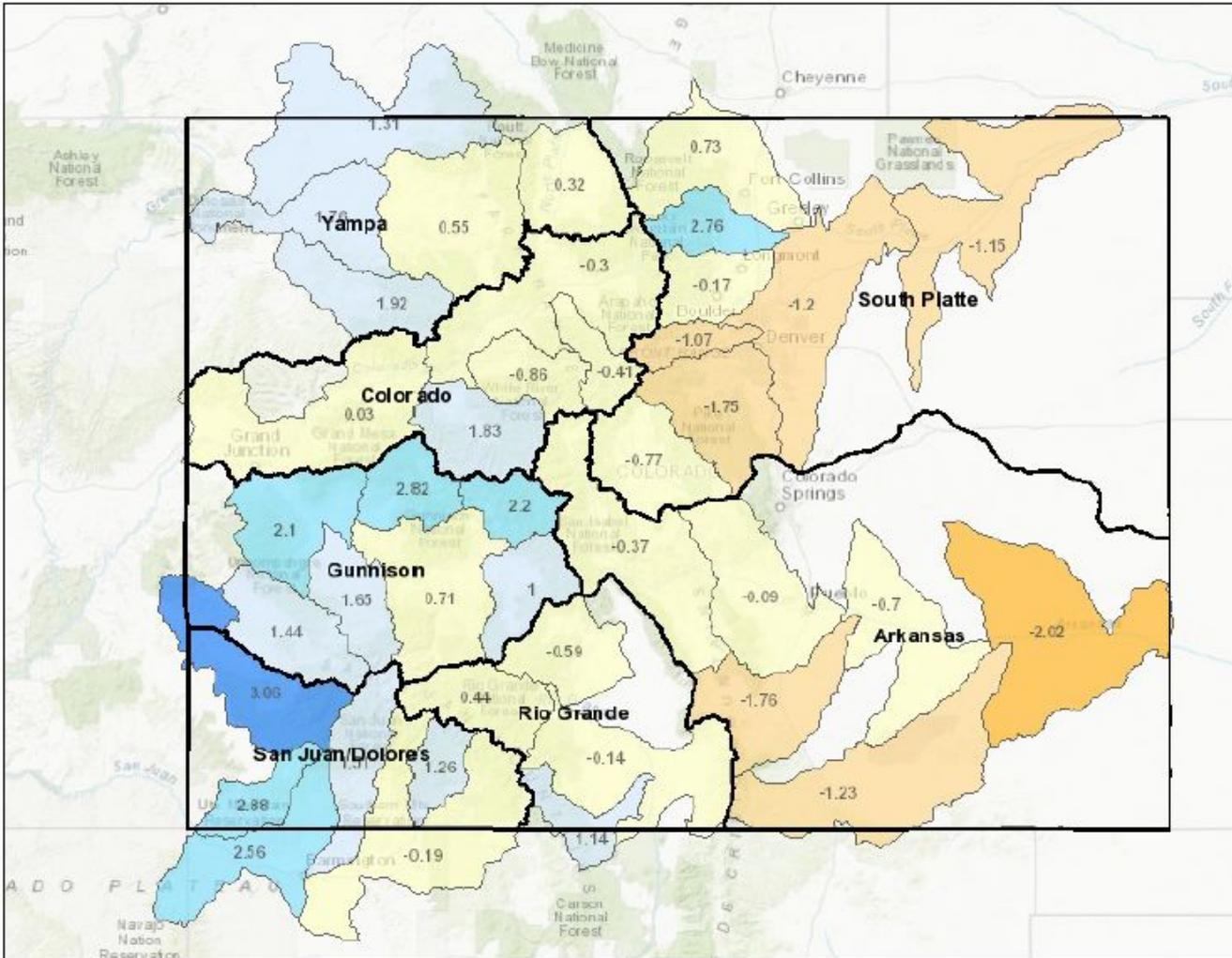


June 1, 2023 SWSI



COLORADO
Division of Water Resources
Department of Natural Resources

SWSI June 1, 2023



Legend

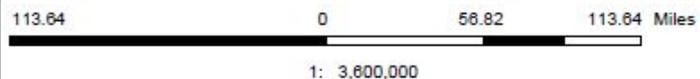
SWSI - Current Report

- SWSI Not Applicable (-99.99)
- Extremely Dry (-3.0 to -4.2)
- Moderately Dry (-2.0 to -2.9)
- Slightly Dry (-1.0 to -1.9)
- Near Average (-0.9 to 0.9)
- Slightly Wet (1.0 to 1.9)
- Moderately Wet (2.0 to 2.9)
- Extremely Wet (3.0 to 4.2)

Water Division

Location

Notes



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Date Prepared: 6/14/2023 8:33:02 AM

Summary

- Statewide snowpack is 96% of median.
 - Lowest basin is the Upper Rio Grande @ 90%
 - Highest basins are
 - Gunnison
 - Combined Yampa-White-N. Platte
- A 4% increase since last month's presentation.
- Early January and February storms provided a needed boost, but didn't quite provide enough to make a lasting improvement given the pre-existing deficit.
- In a normal year Colorado is typically accumulated about 75% of it's median annual peak snowpack.
- Statewide reservoir storage is 100% of median
- Statewide precipitation is 94% of median. Ranging from 85% in the SMDASJ to 105% in the Arkansas.



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