



United States Department of Agriculture

Colorado Snow Surveys

Water Conditions Monitoring Committee Meeting January 23rd, 2024

NRCS Snow Survey and Water Supply Forecasting Program

Brian Domonkos

Hydrologist

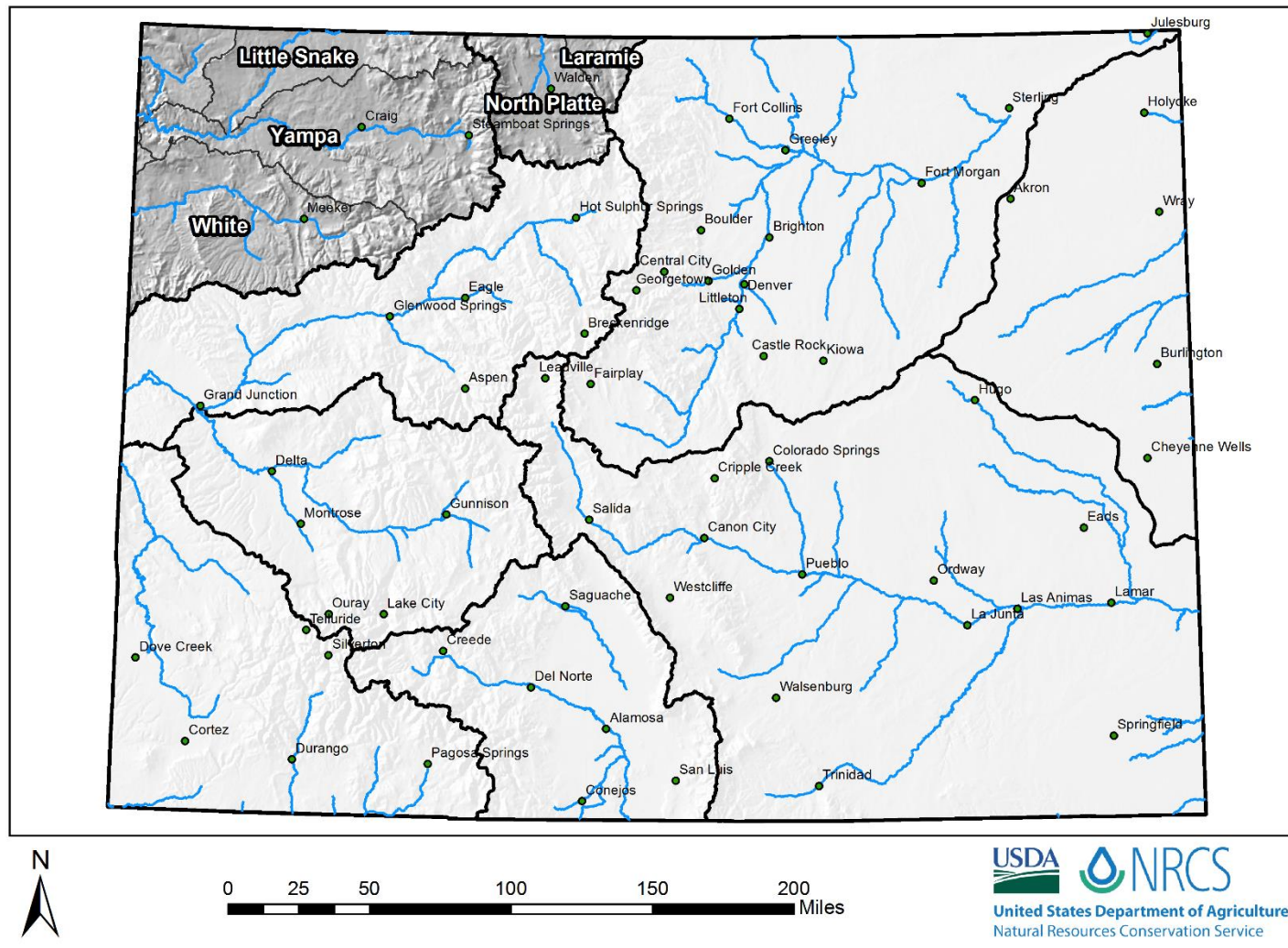
Brian.Domonkos@usda.gov

720-544-2853

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

Major Basin Summary

Yampa, White, and North Platte River Basins

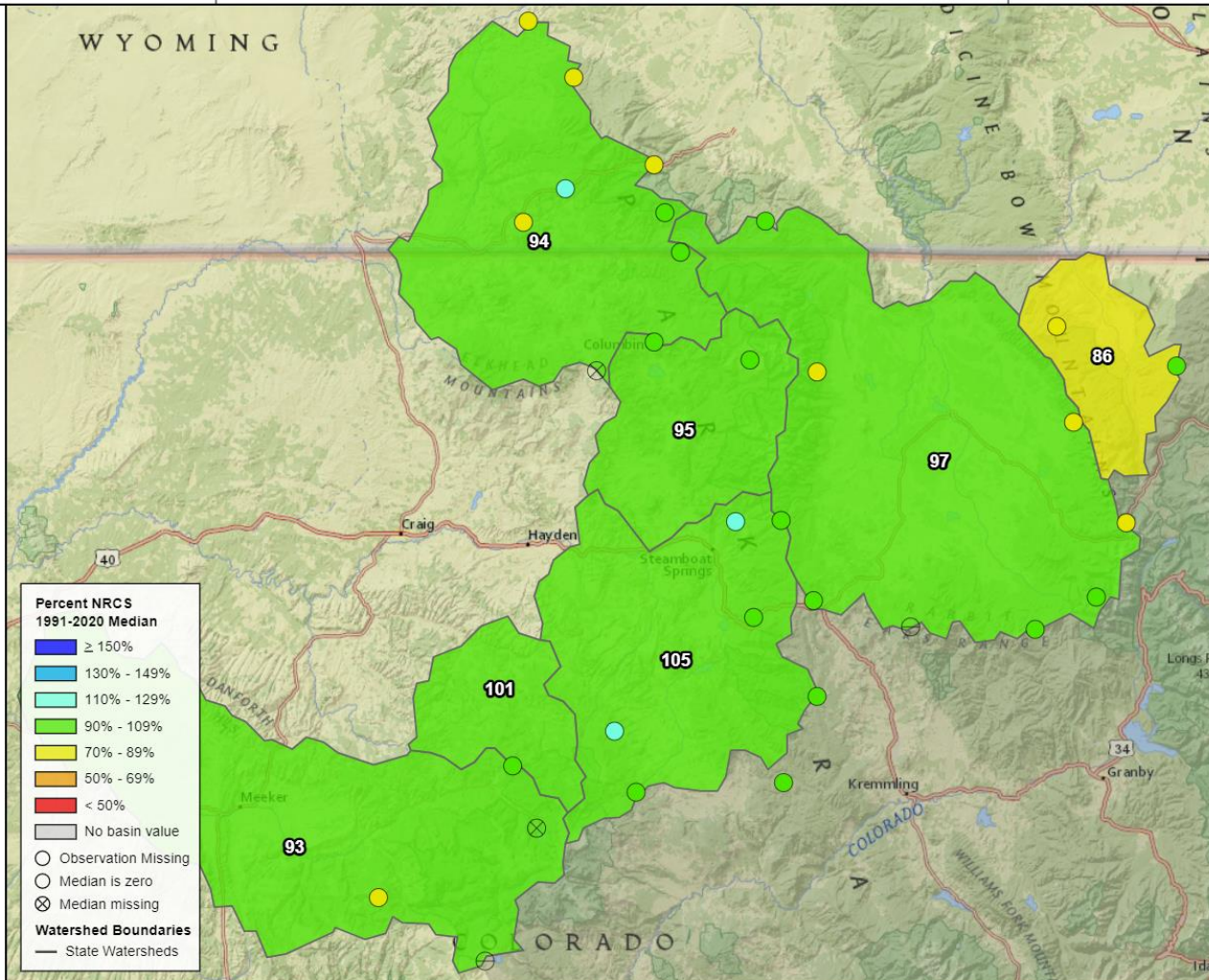


Snow Water Equivalent

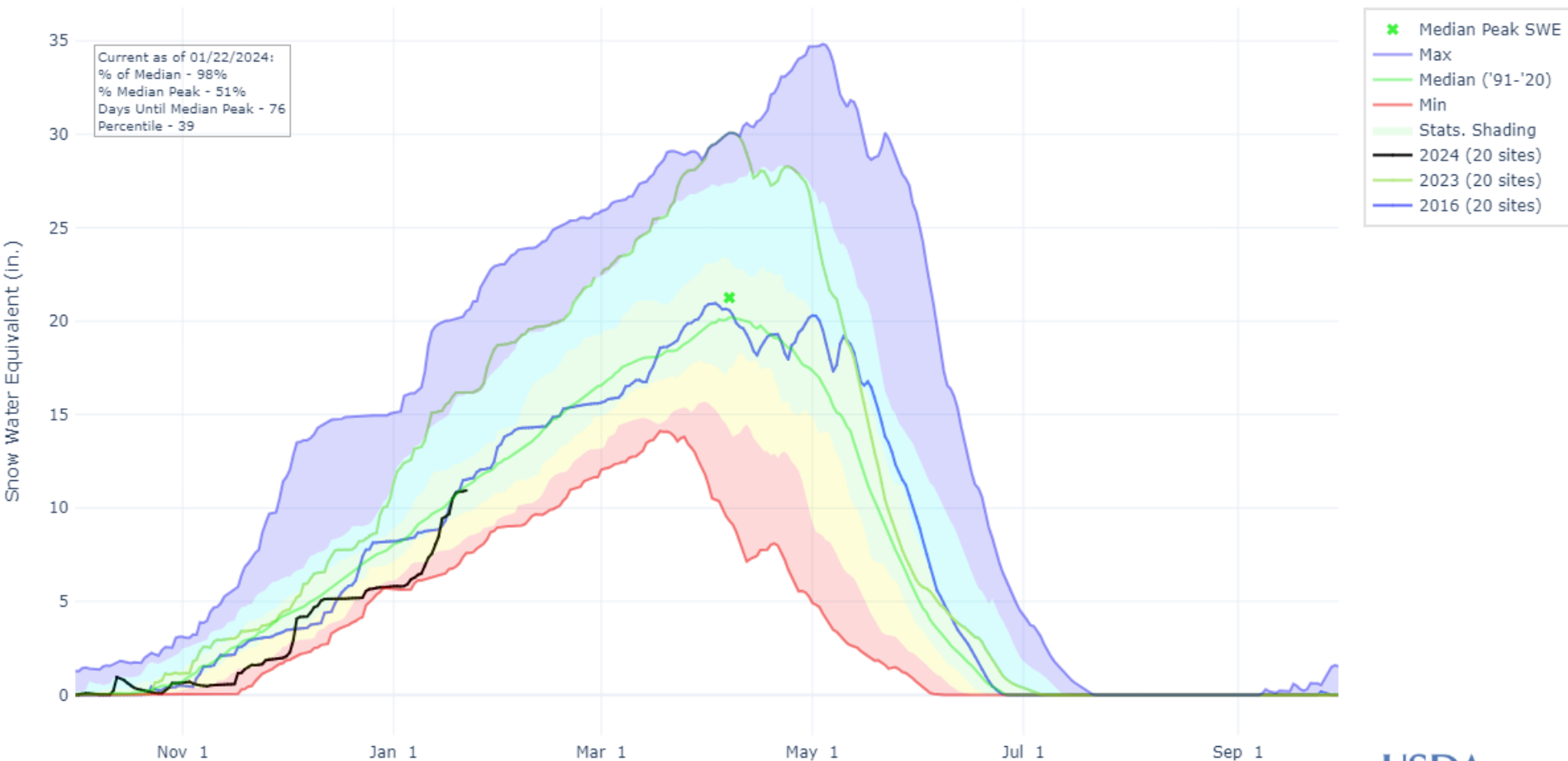
WYNP Jan 1

January 22, 2024, end of day

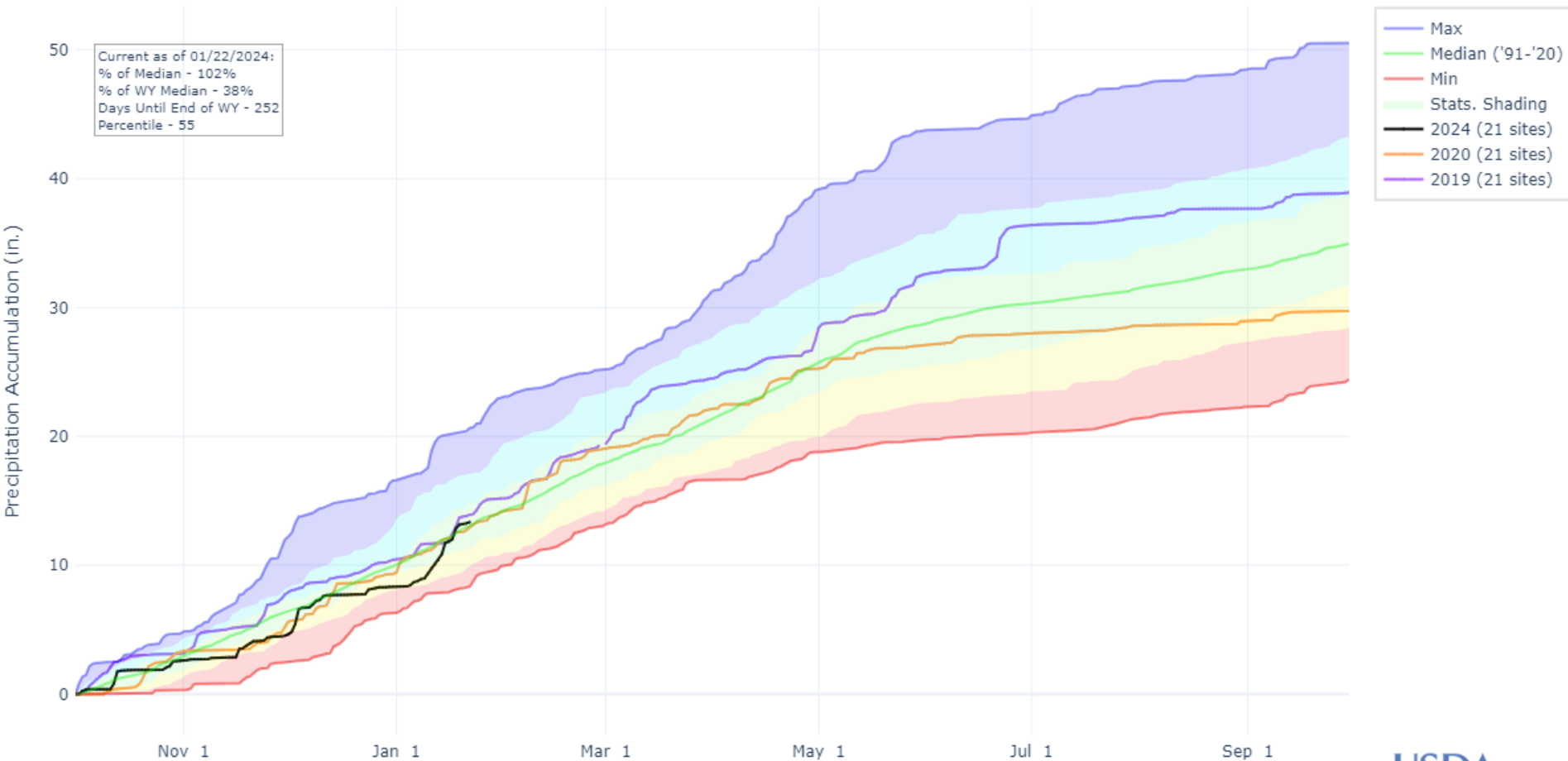
Percent NRCS 1991-2020 Median



SNOW WATER EQUIVALENT IN YAMPA-WHITE-LITTLE SNAKE



PRECIPITATION ACCUMULATION IN YAMPA-WHITE-LITTLE SNAKE

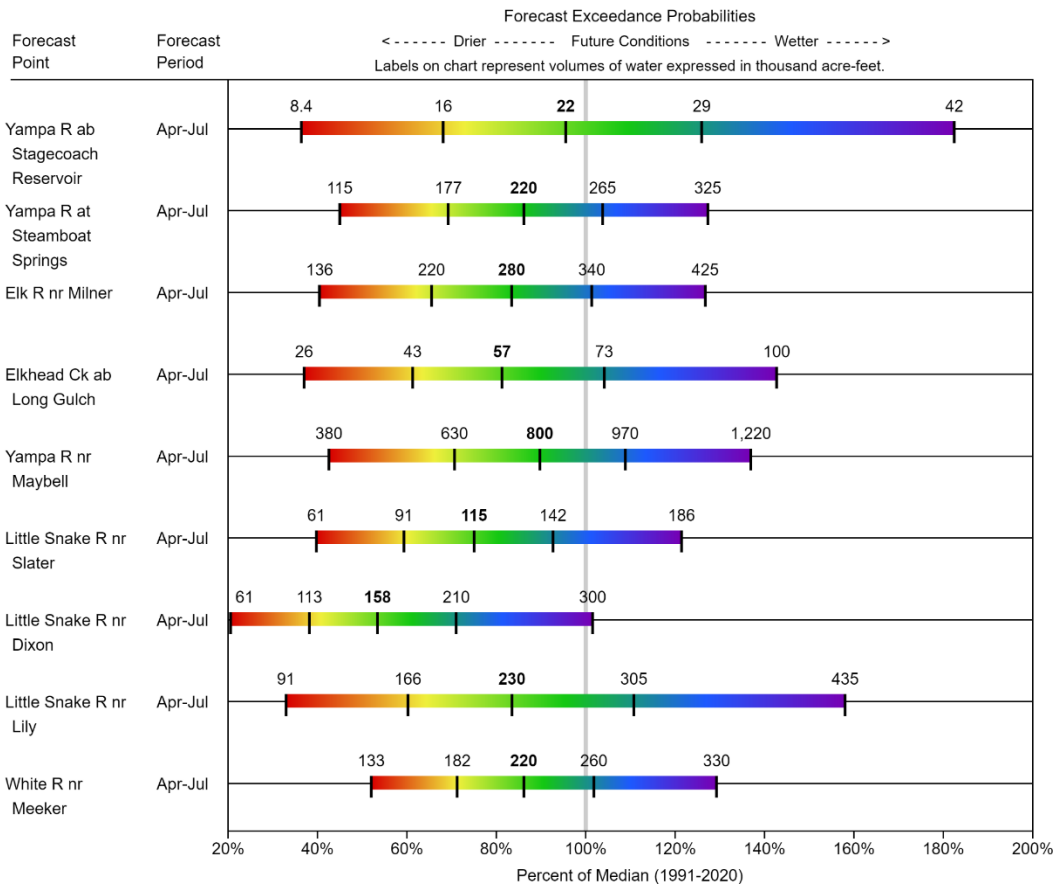




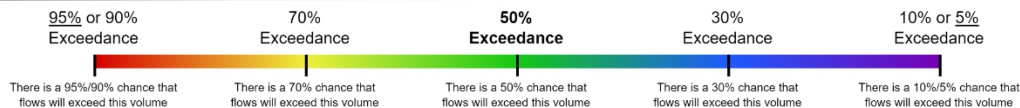
YAMPA-WHITE-LITTLE SNAKE

Water Supply Forecasts

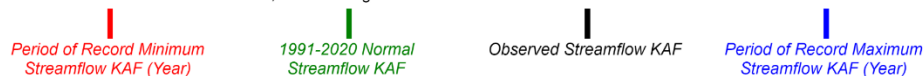
January 1, 2024



Legend

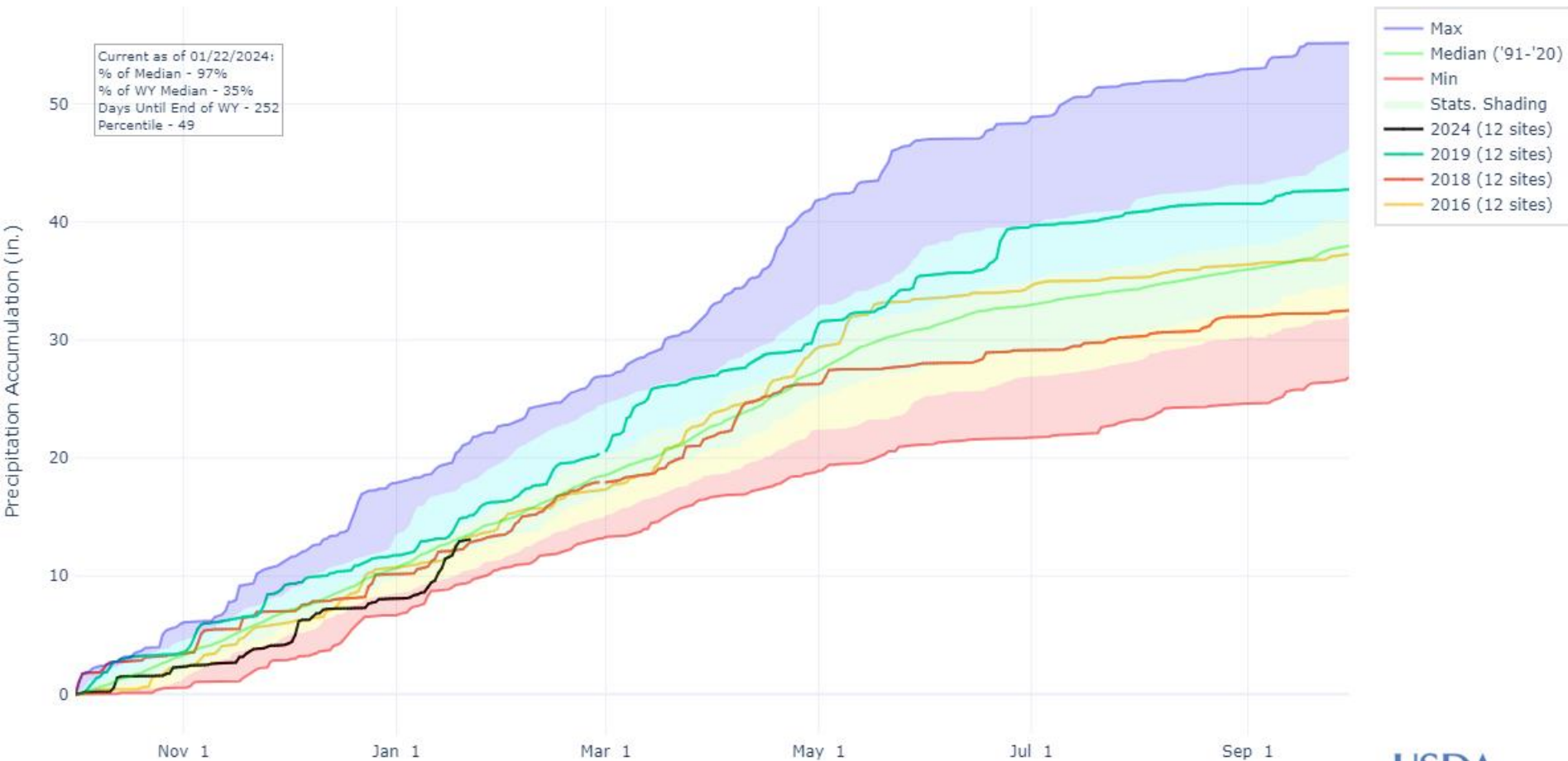


When selected, the following historic streamflow values and statistics will be shown.

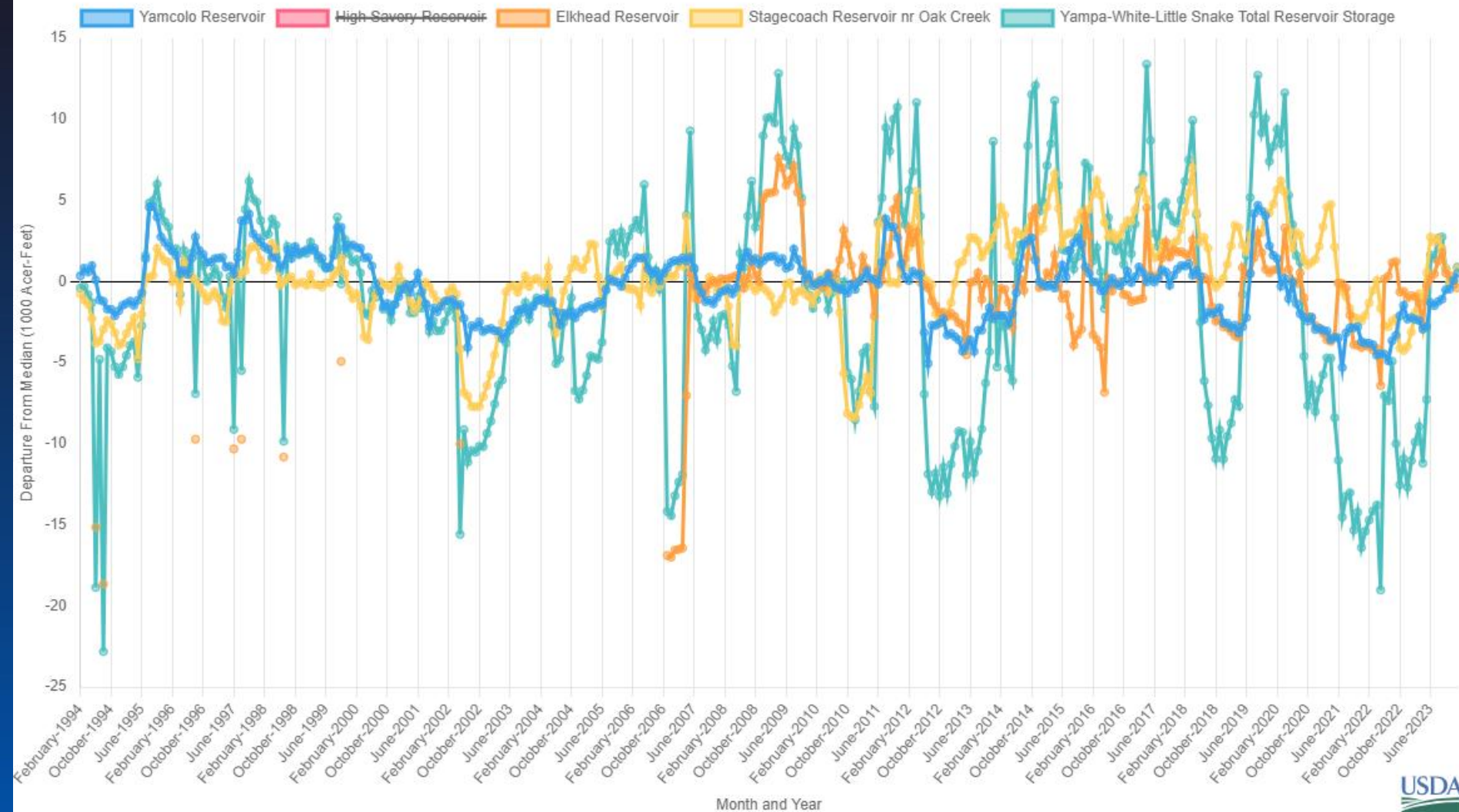


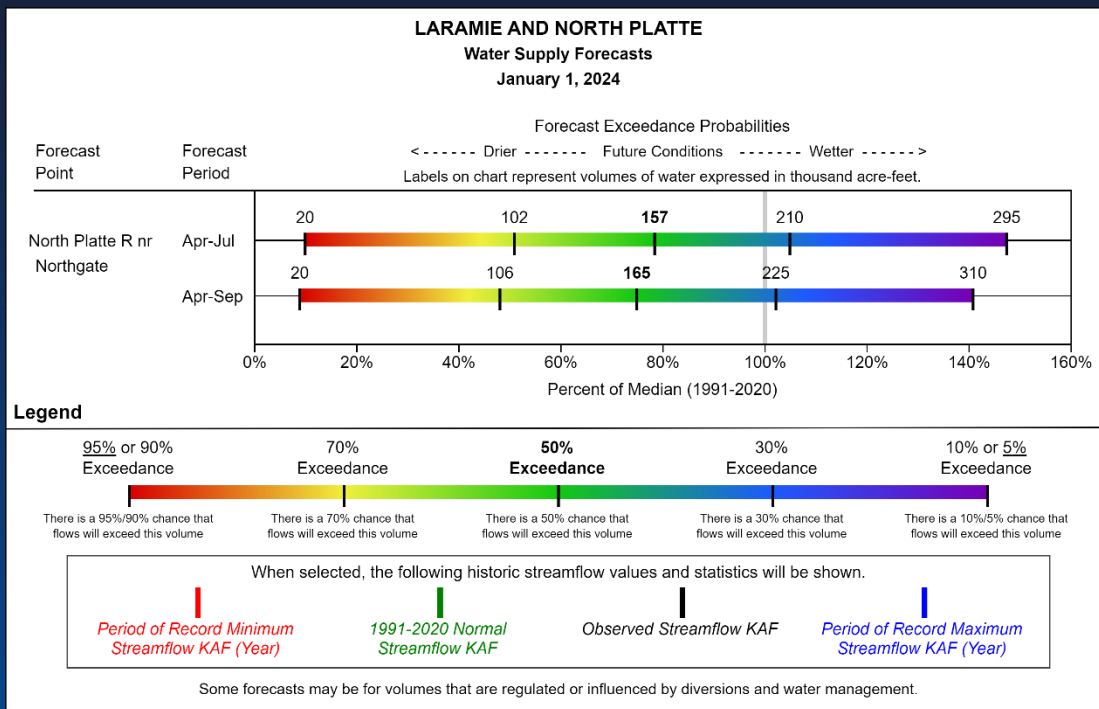
Some forecasts may be for volumes that are regulated or influenced by diversions and water management.

PRECIPITATION ACCUMULATION IN LARAMIE AND NORTH PLATTE



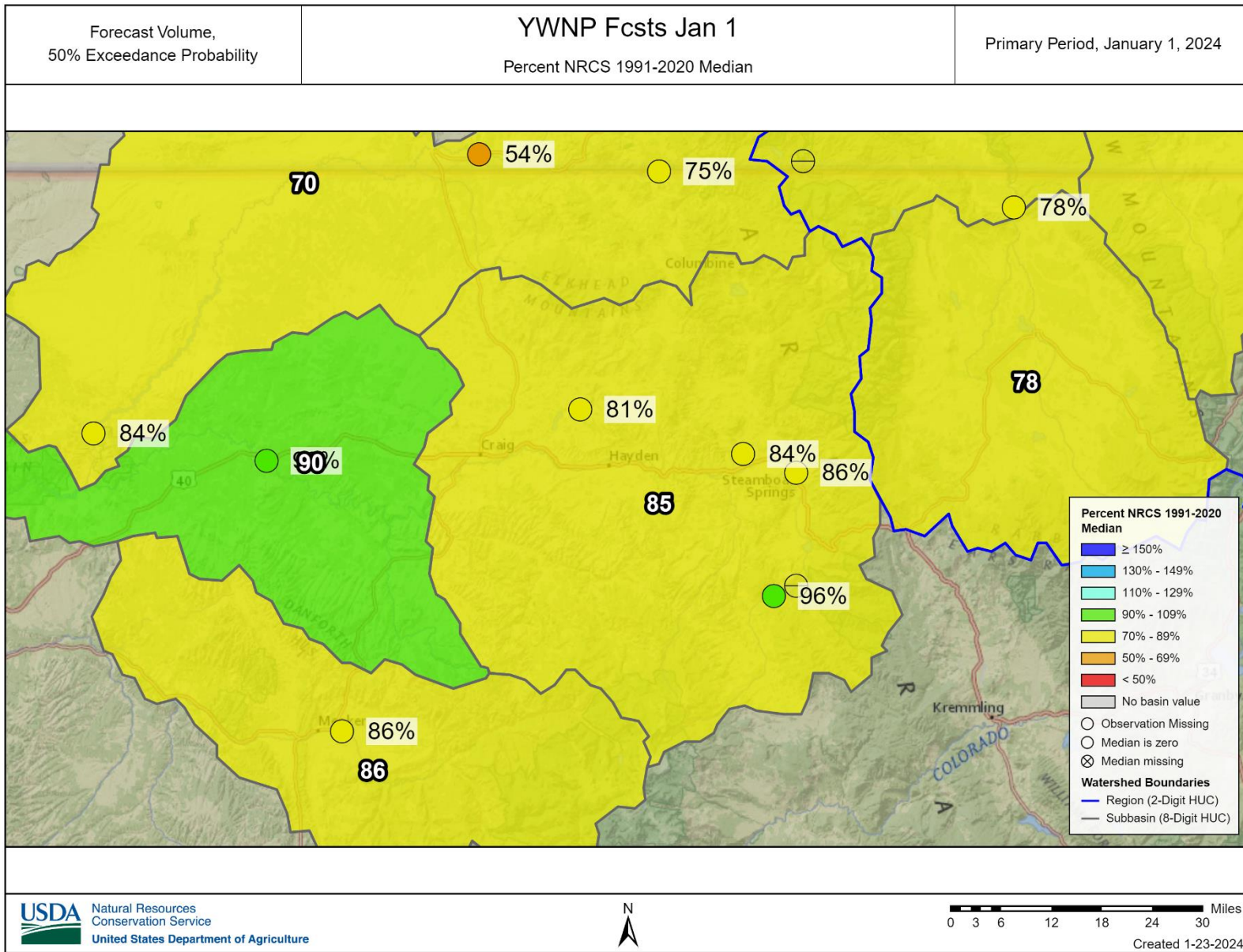
Yampa-White-Little Snake Departure From Median Timeseries Plot



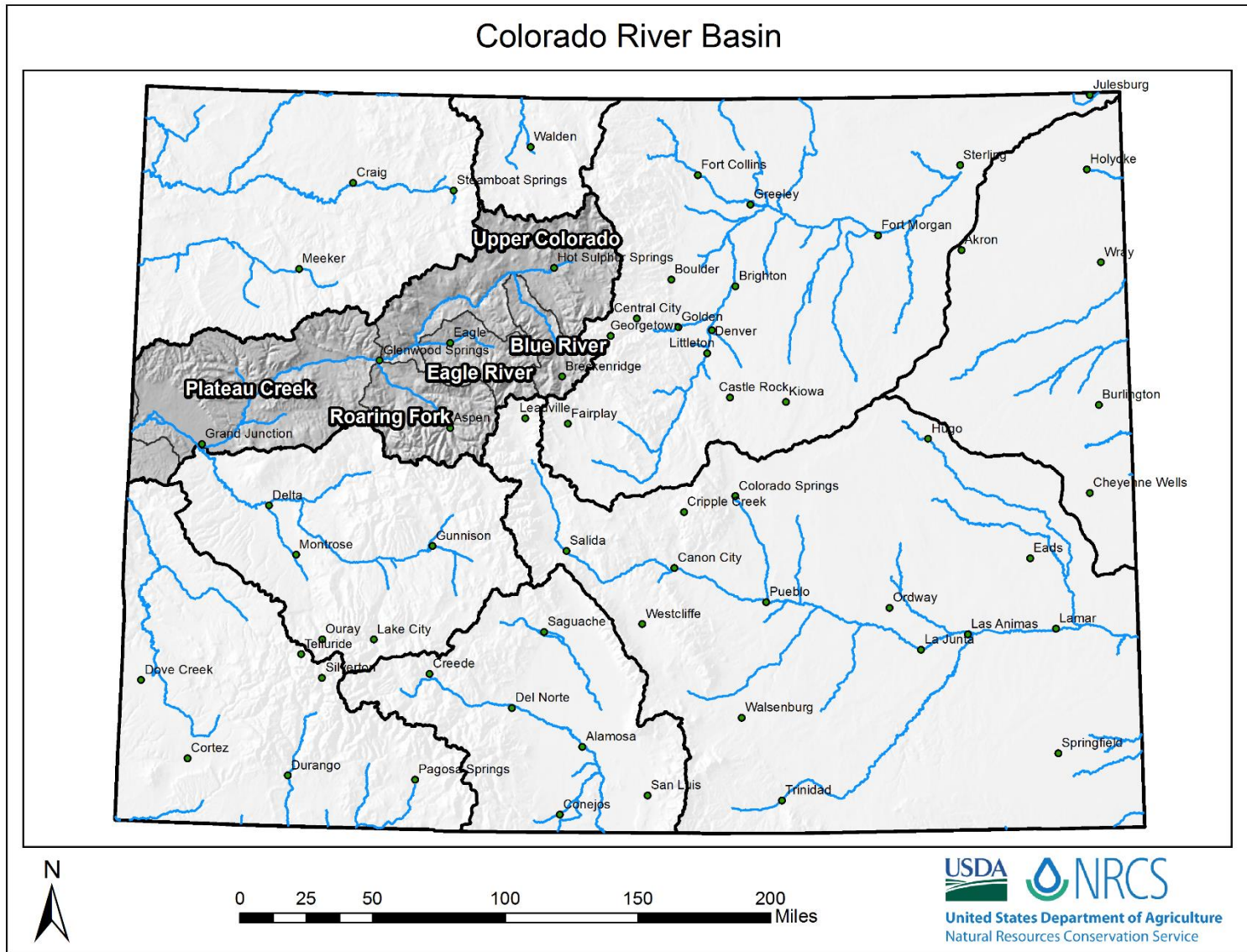


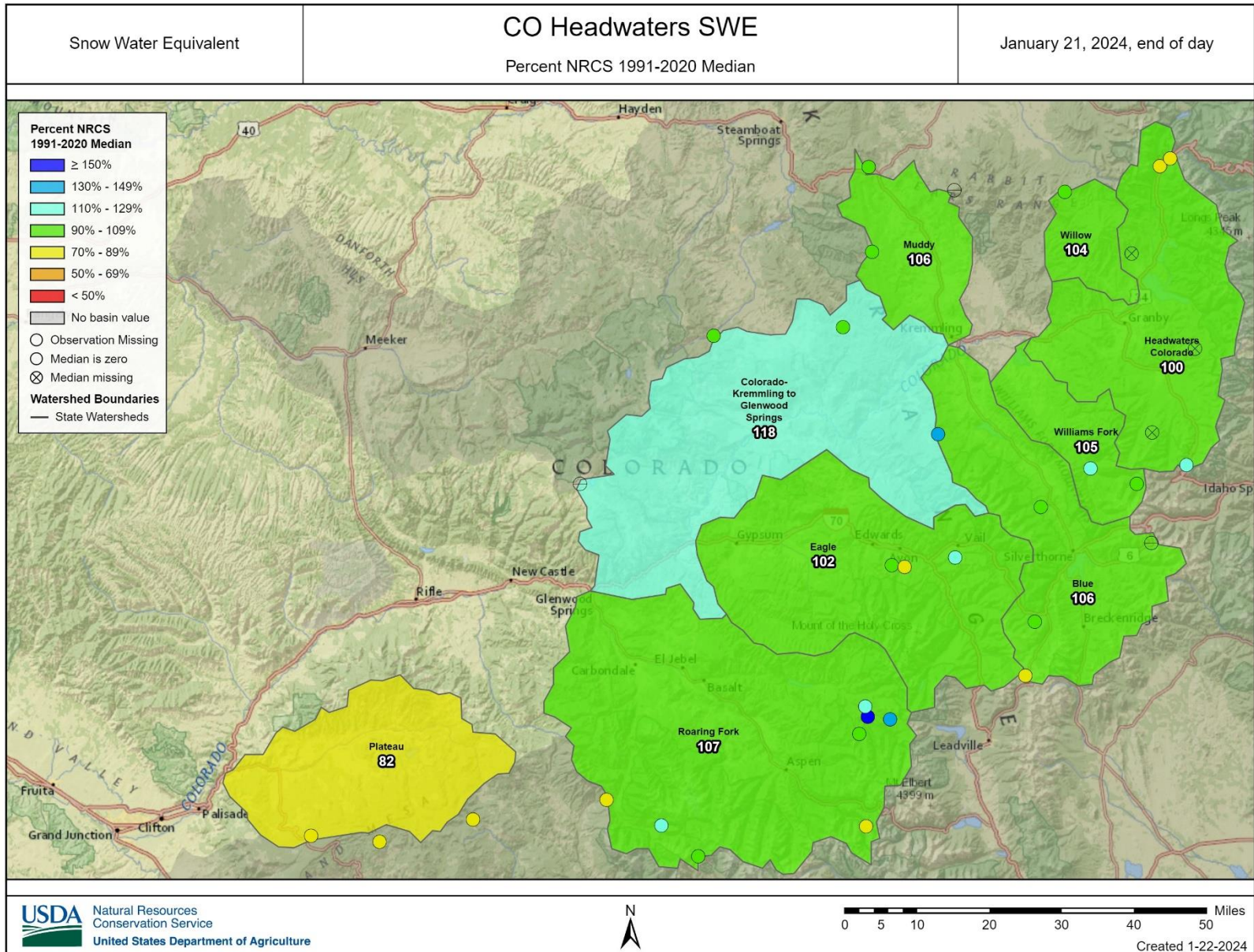


Colorado Snow Surveys

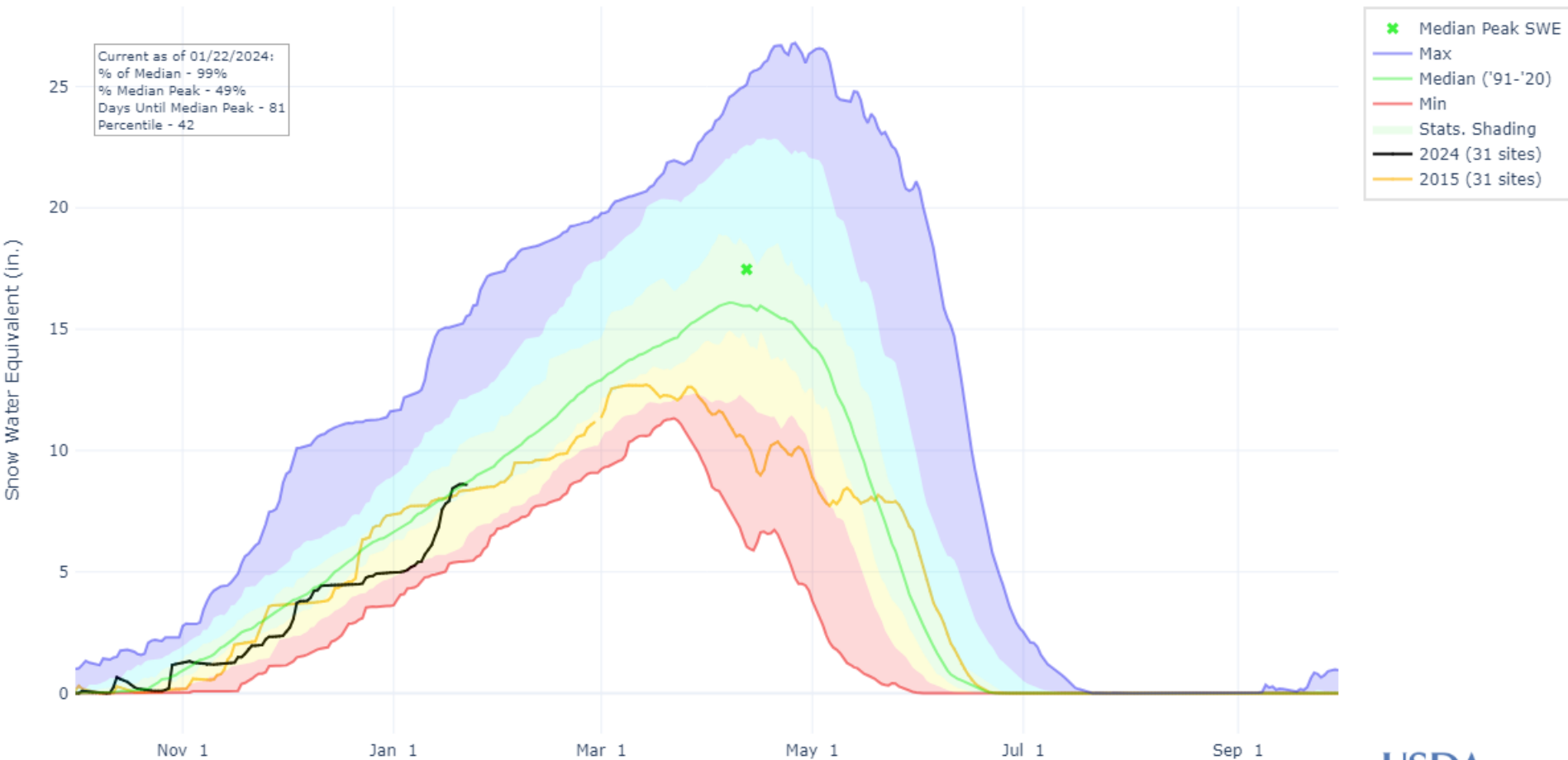


Major Basin Summary

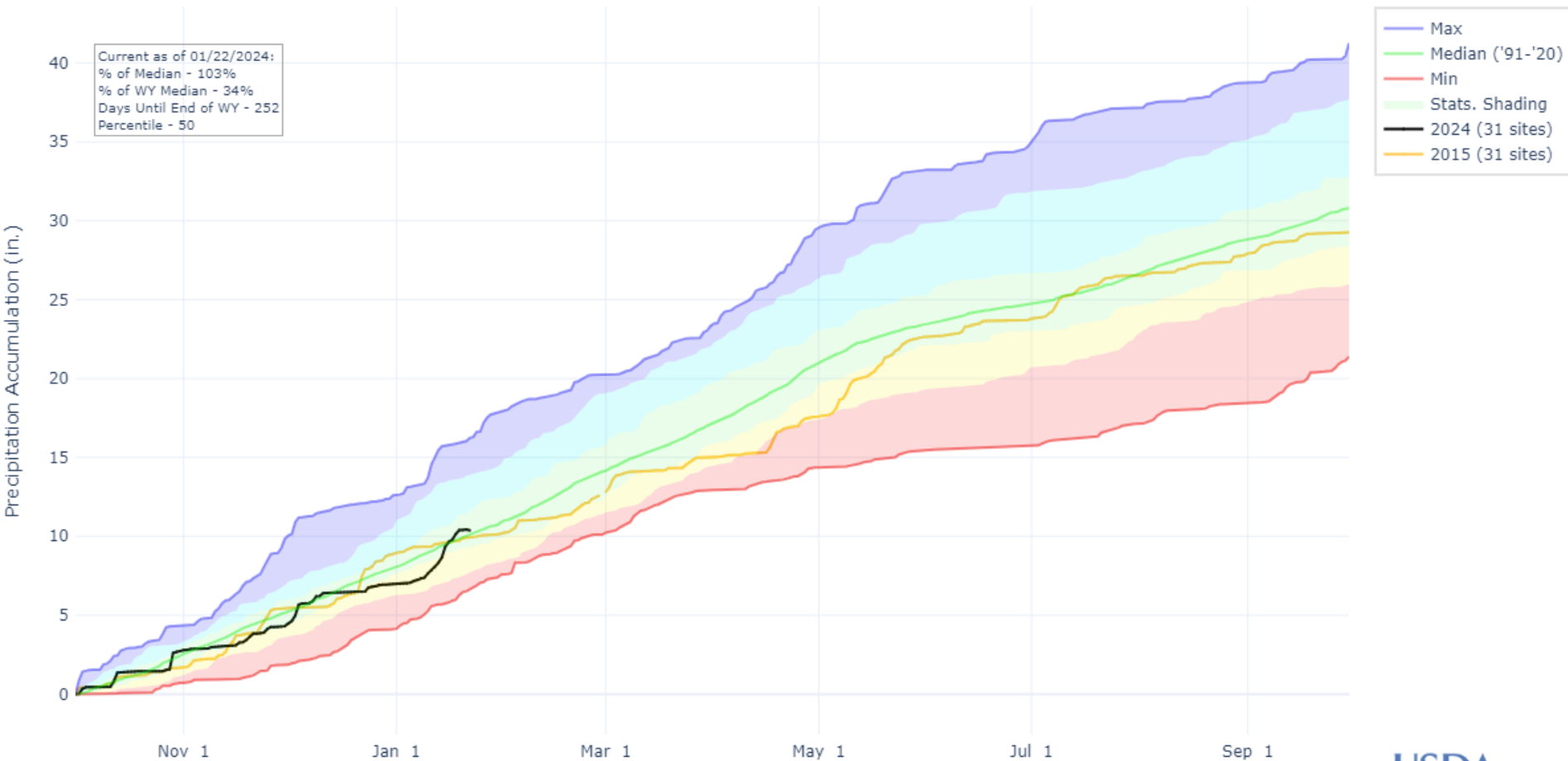




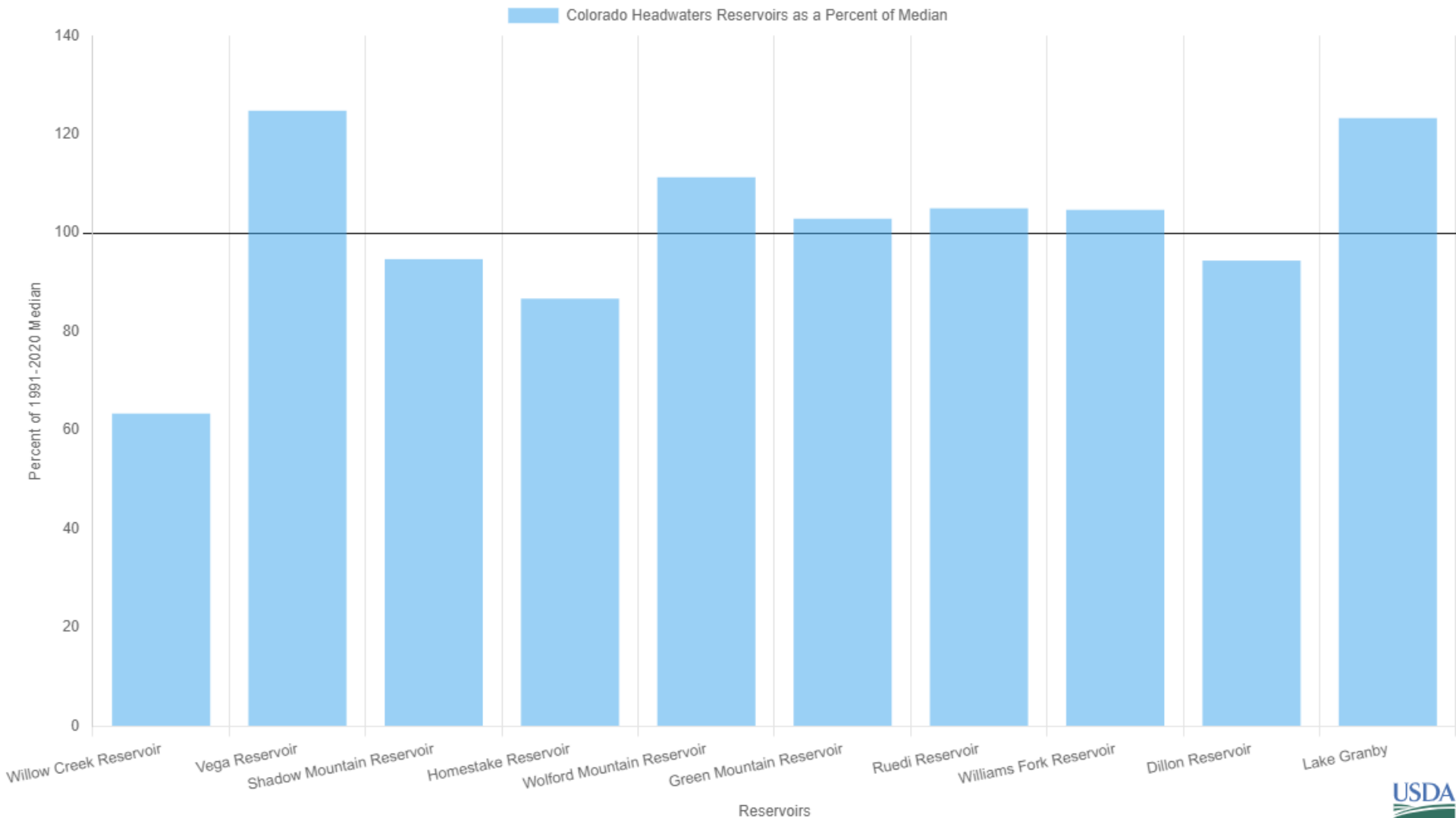
SNOW WATER EQUIVALENT IN COLORADO HEADWATERS



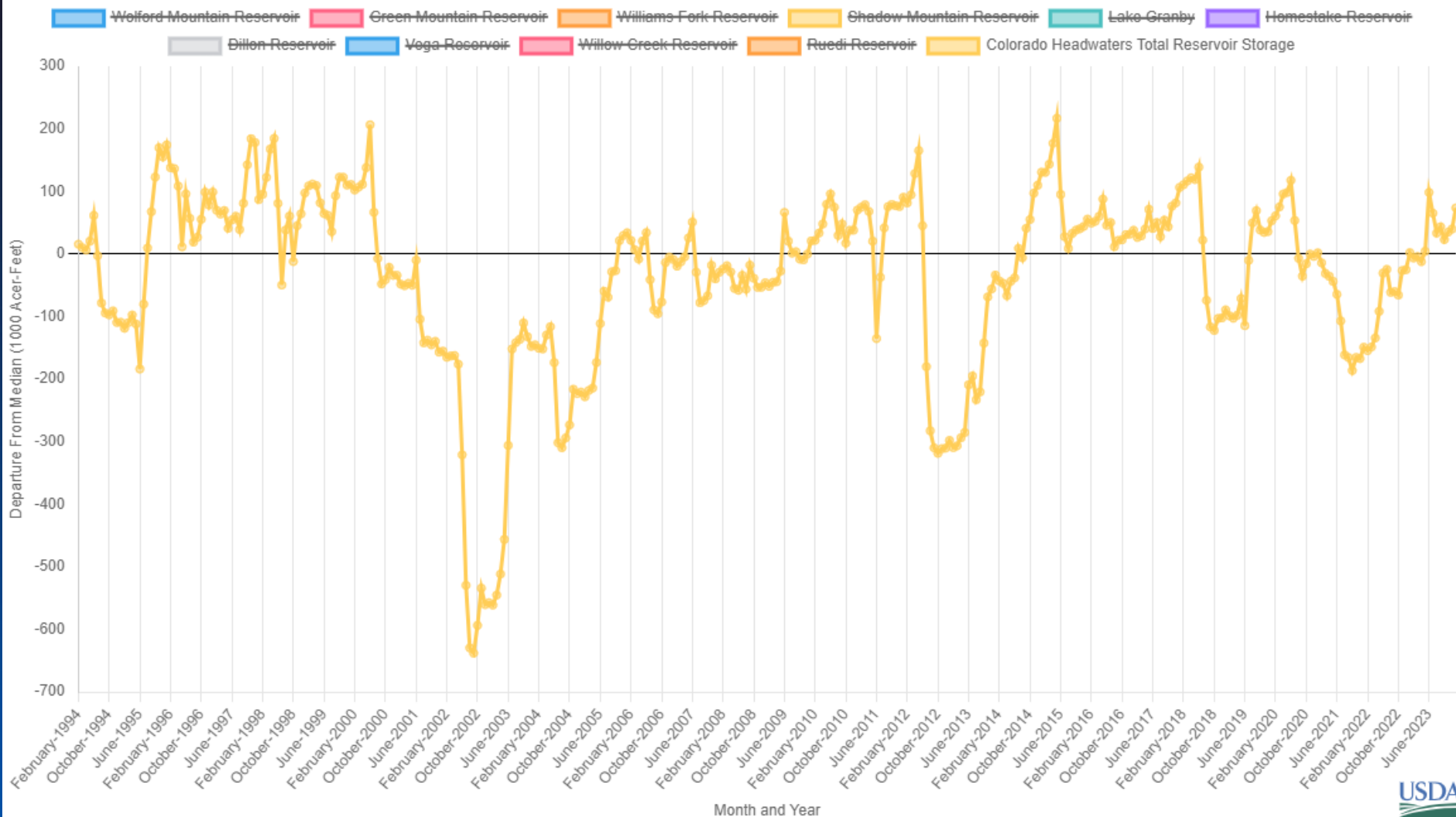
PRECIPITATION ACCUMULATION IN COLORADO HEADWATERS

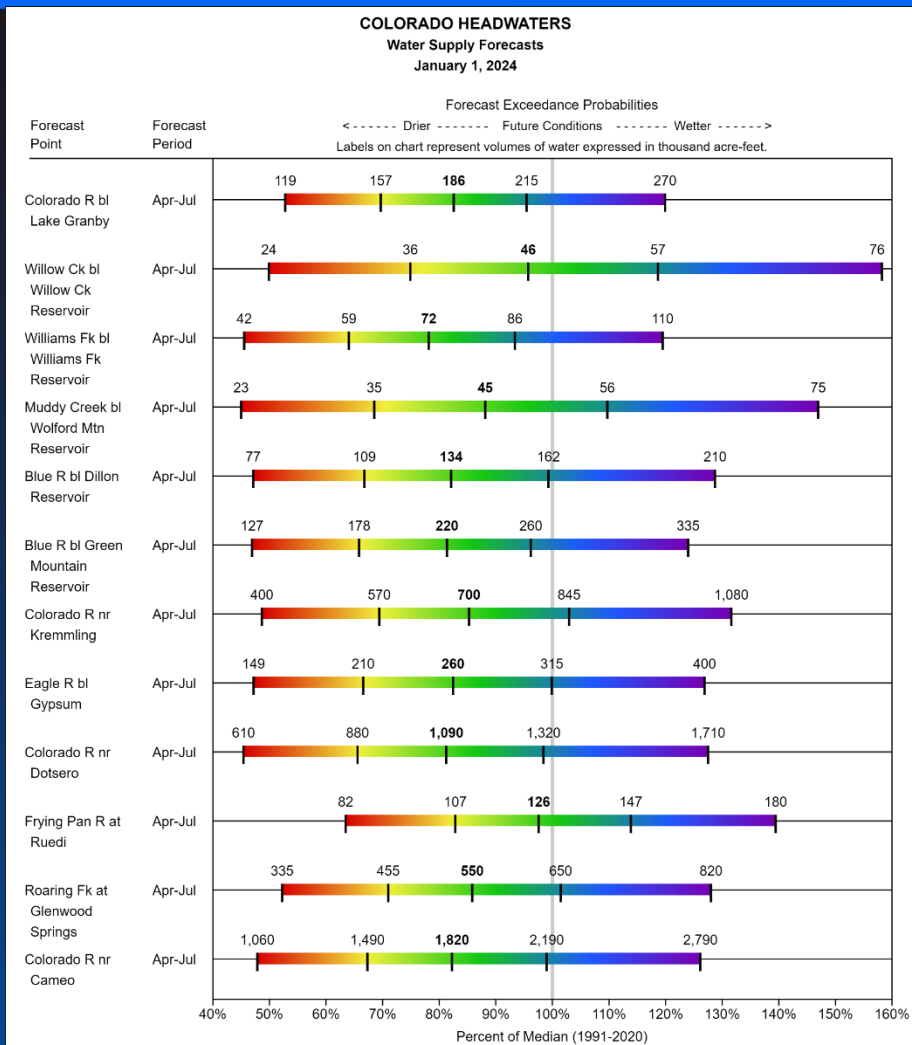


Colorado Headwaters Reservoir Storage Summary for January 1st 2024

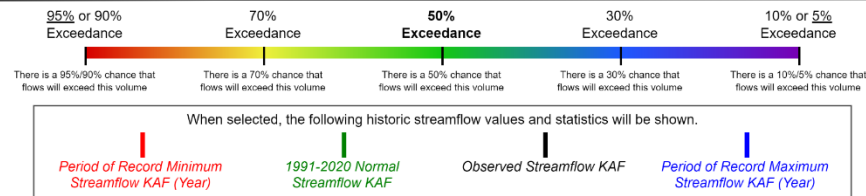


Colorado Headwaters Departure From Median Timeseries Plot





Legend



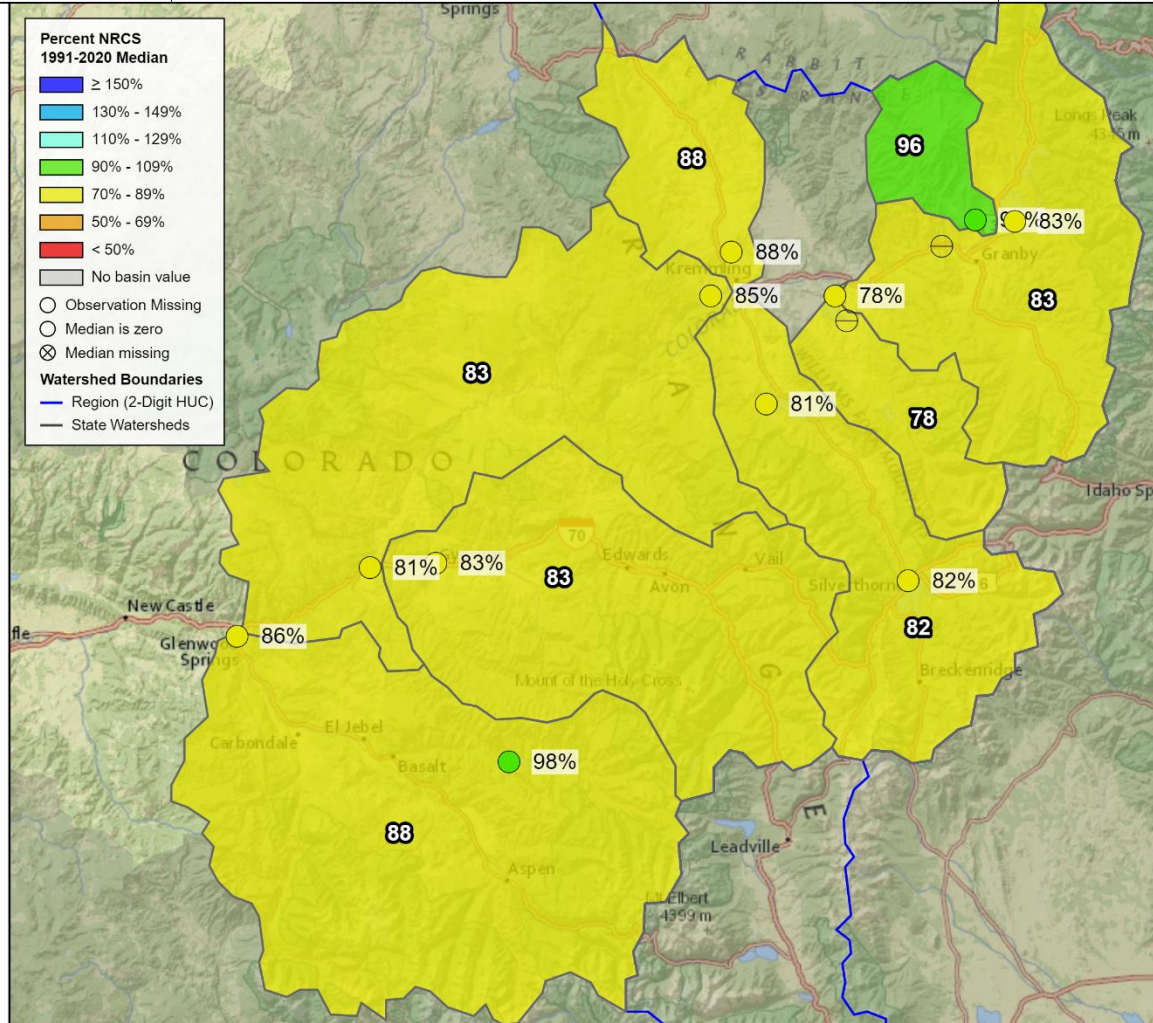
Some forecasts may be for volumes that are regulated or influenced by diversions and water management.

Forecast Volume,
50% Exceedance Probability

CO Hdws Fcsts Jan 1

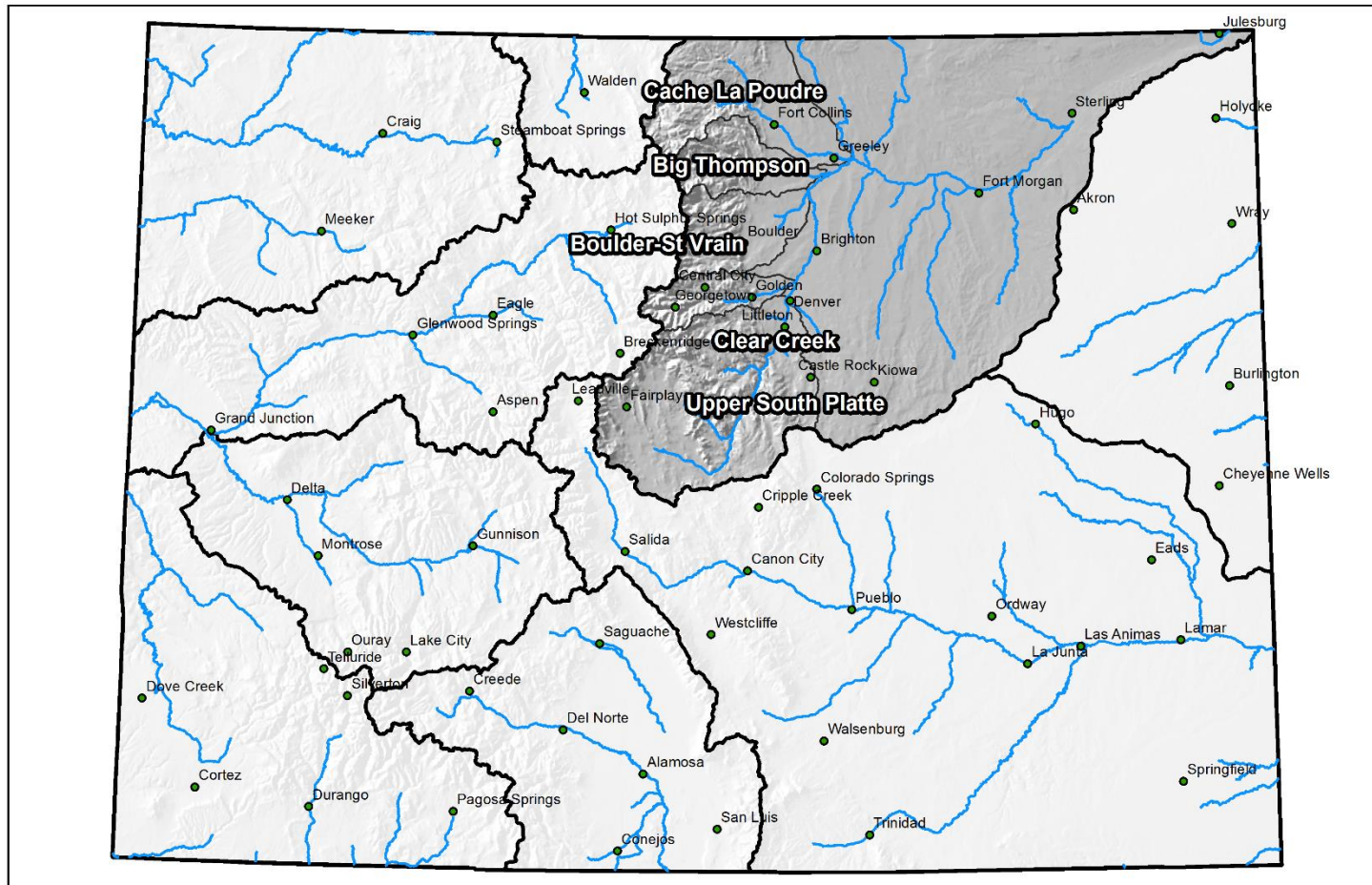
Primary Period, January 1, 2024

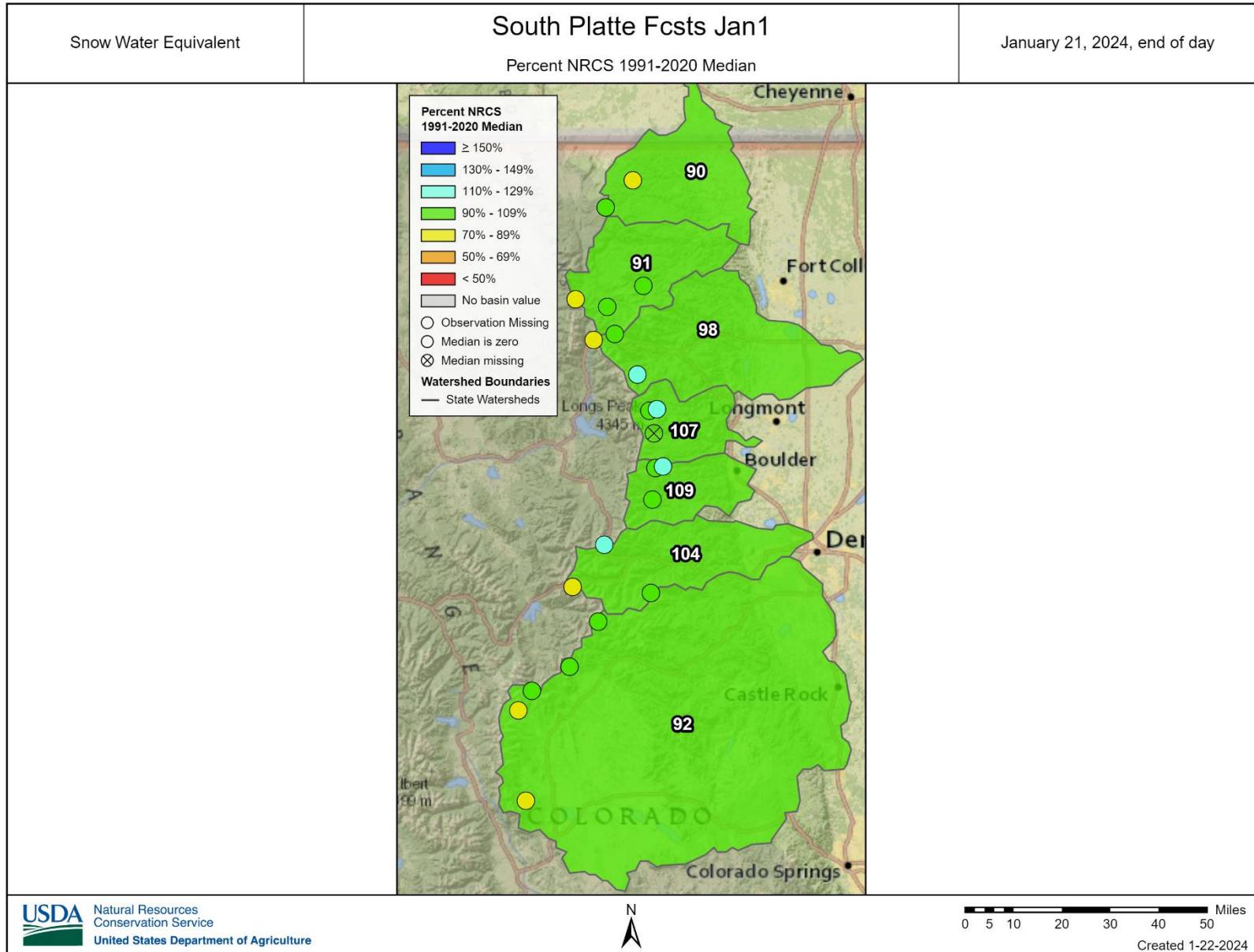
Percent NRCS 1991-2020 Median



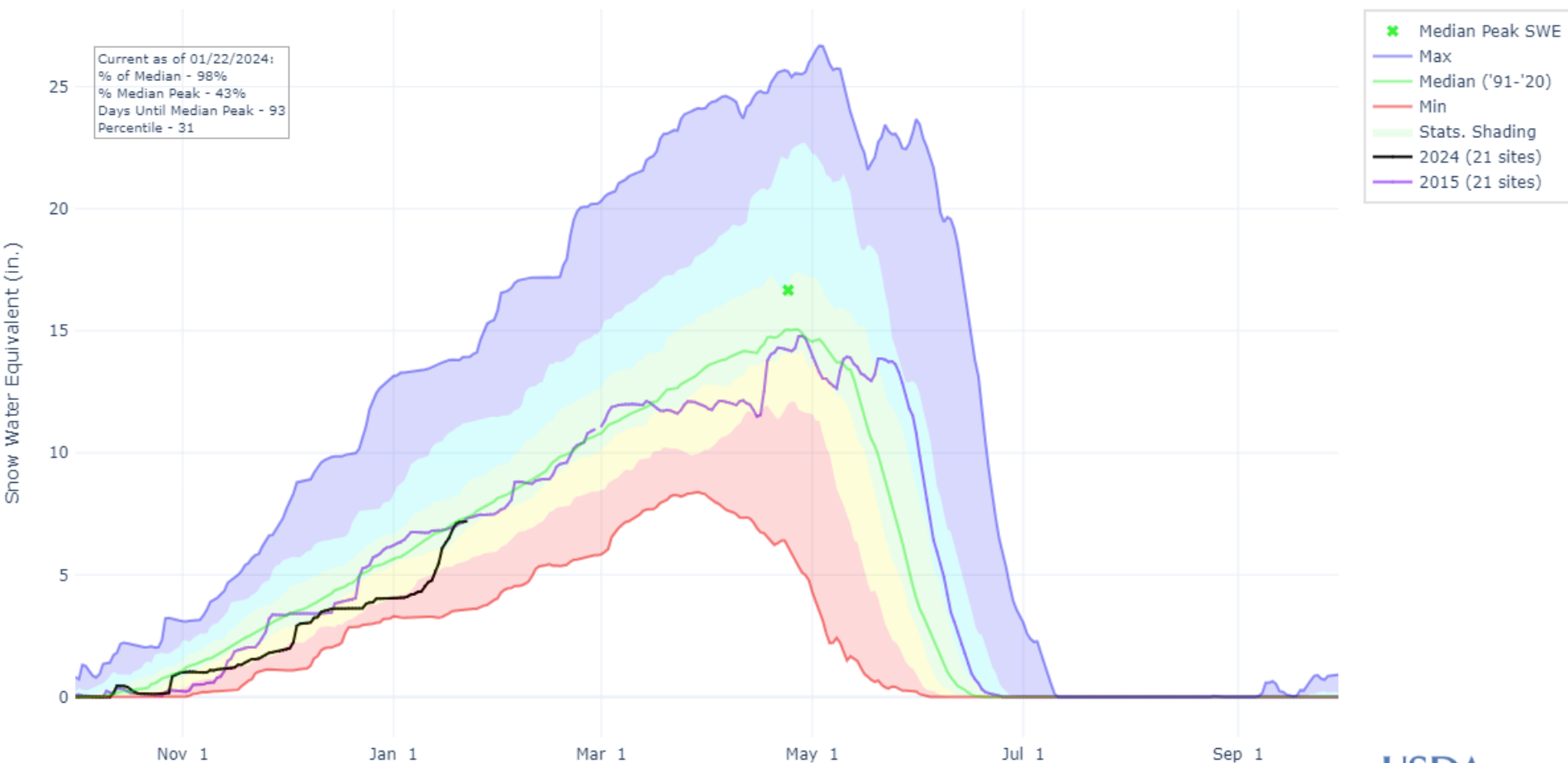
Major Basin Summary

South Platte River Basin

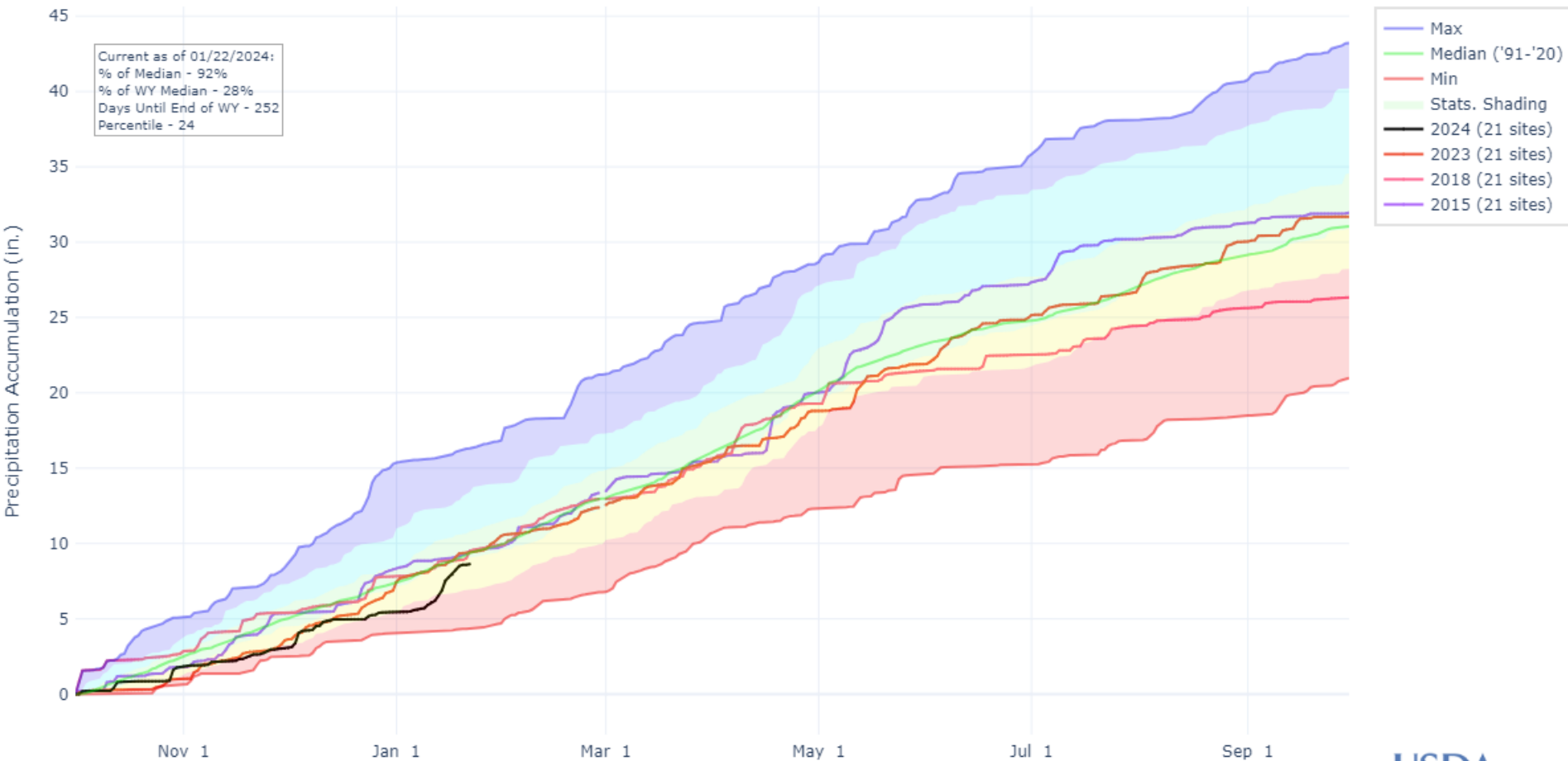




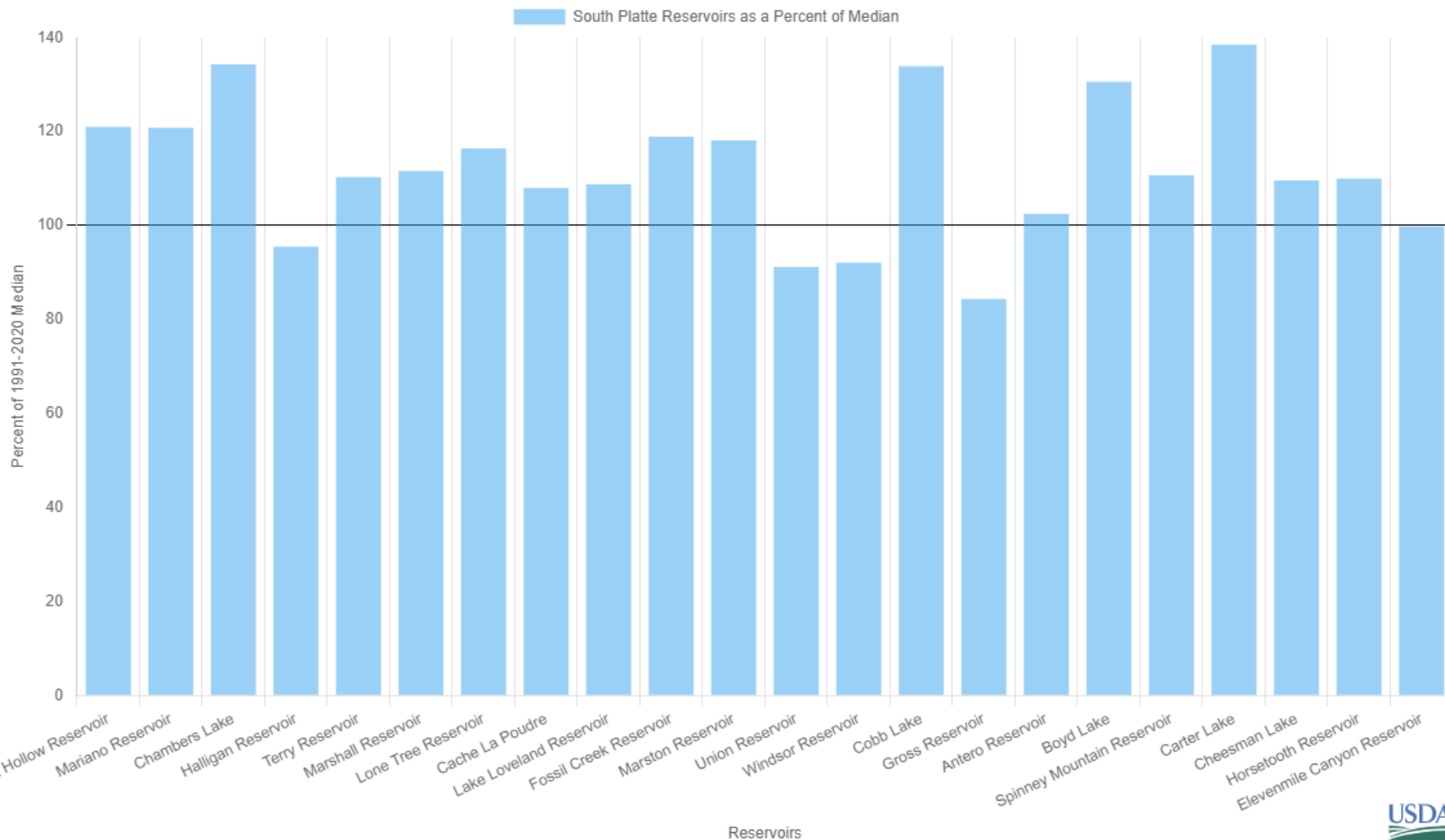
SNOW WATER EQUIVALENT IN SOUTH PLATTE



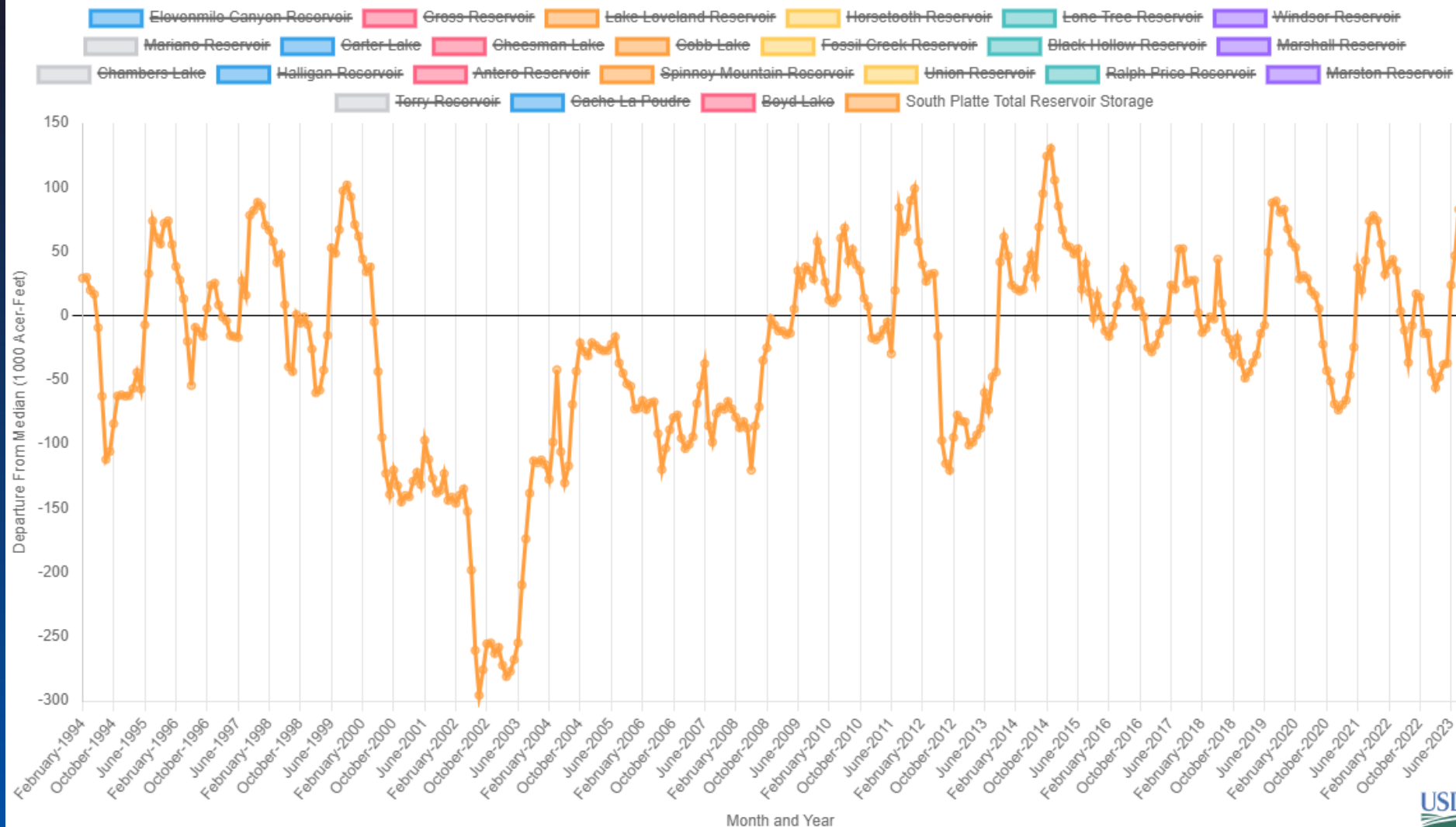
PRECIPITATION ACCUMULATION IN SOUTH PLATTE



South Platte Reservoir Storage Summary for January 1st 2024

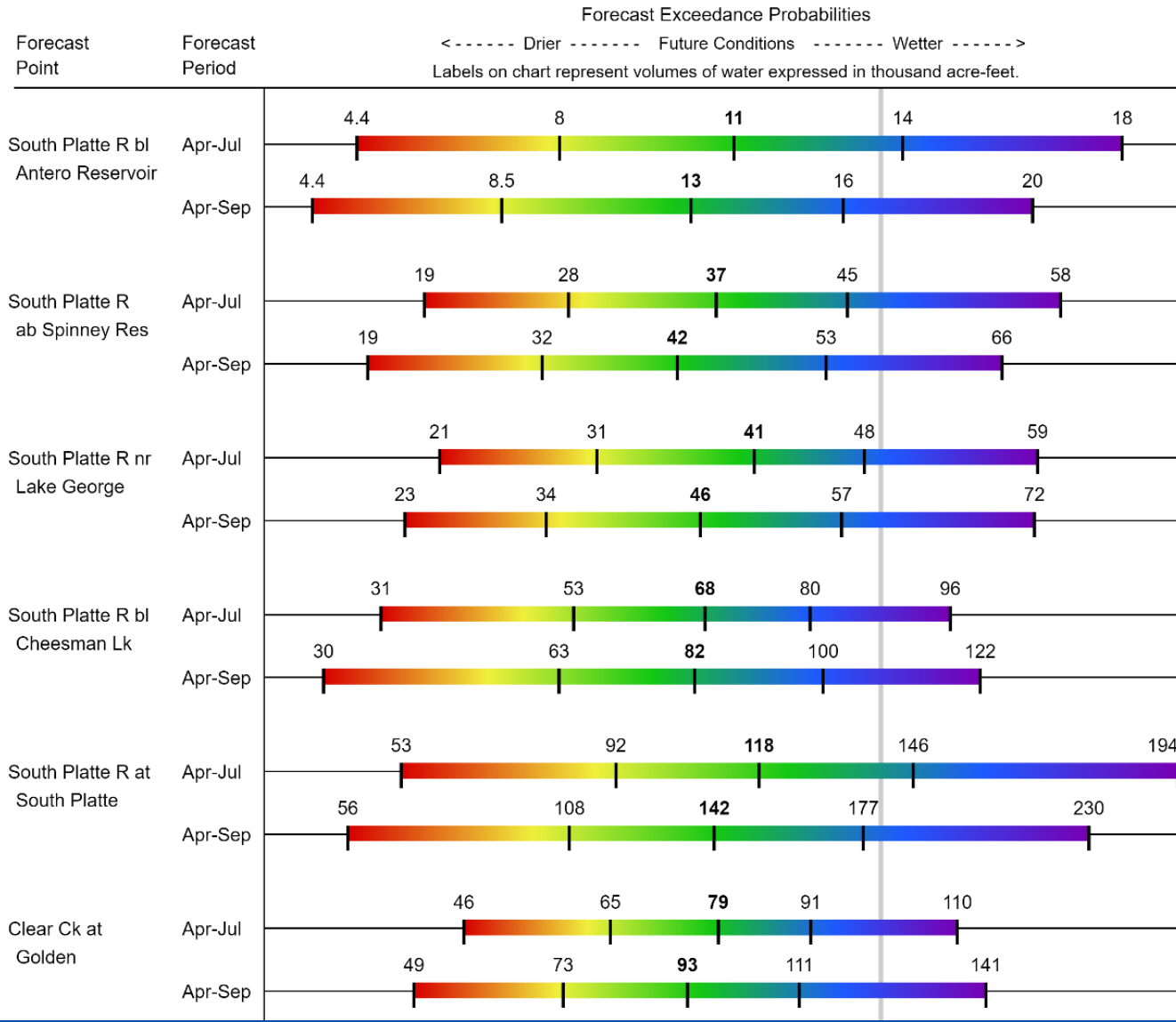


South Platte Departure From Median Timeseries Plot



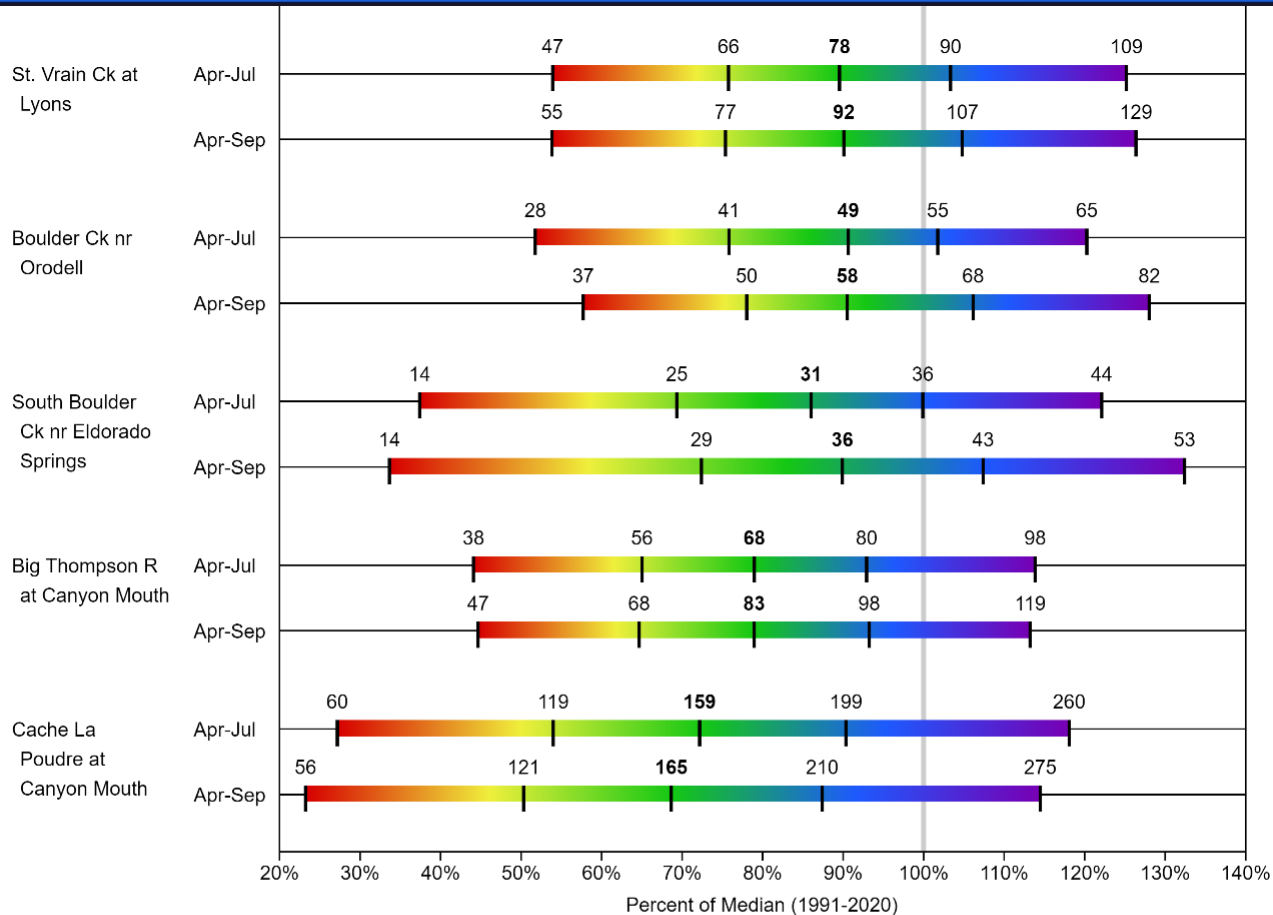


SOUTH PLATTE Water Supply Forecasts January 1, 2024

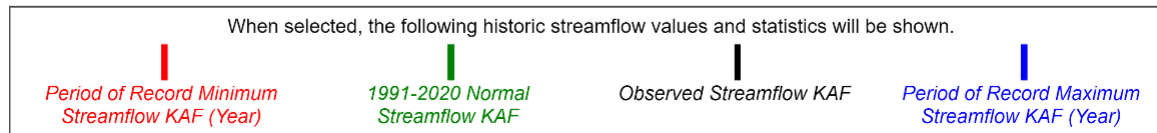
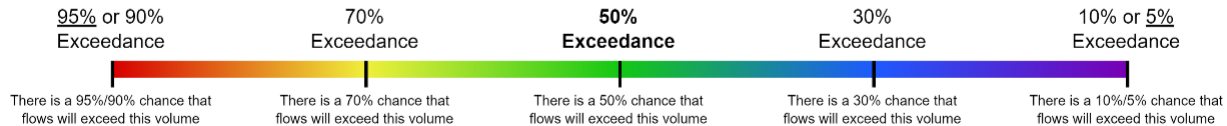




Colorado Snow Surveys



Legend



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



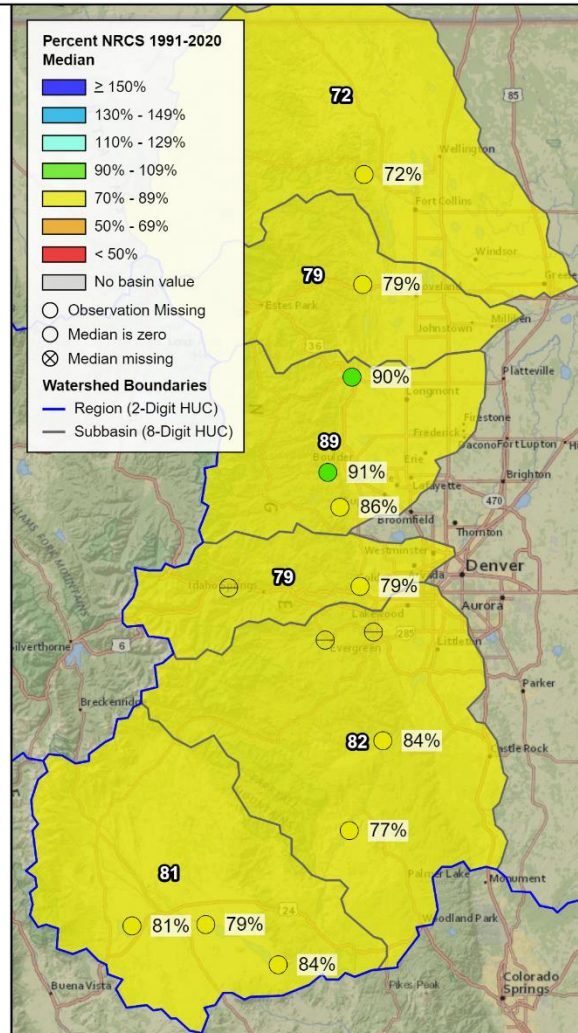
Colorado Snow Surveys

Forecast Volume,
50% Exceedance Probability

SP Jan 1

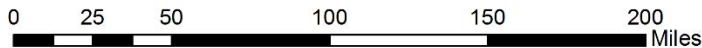
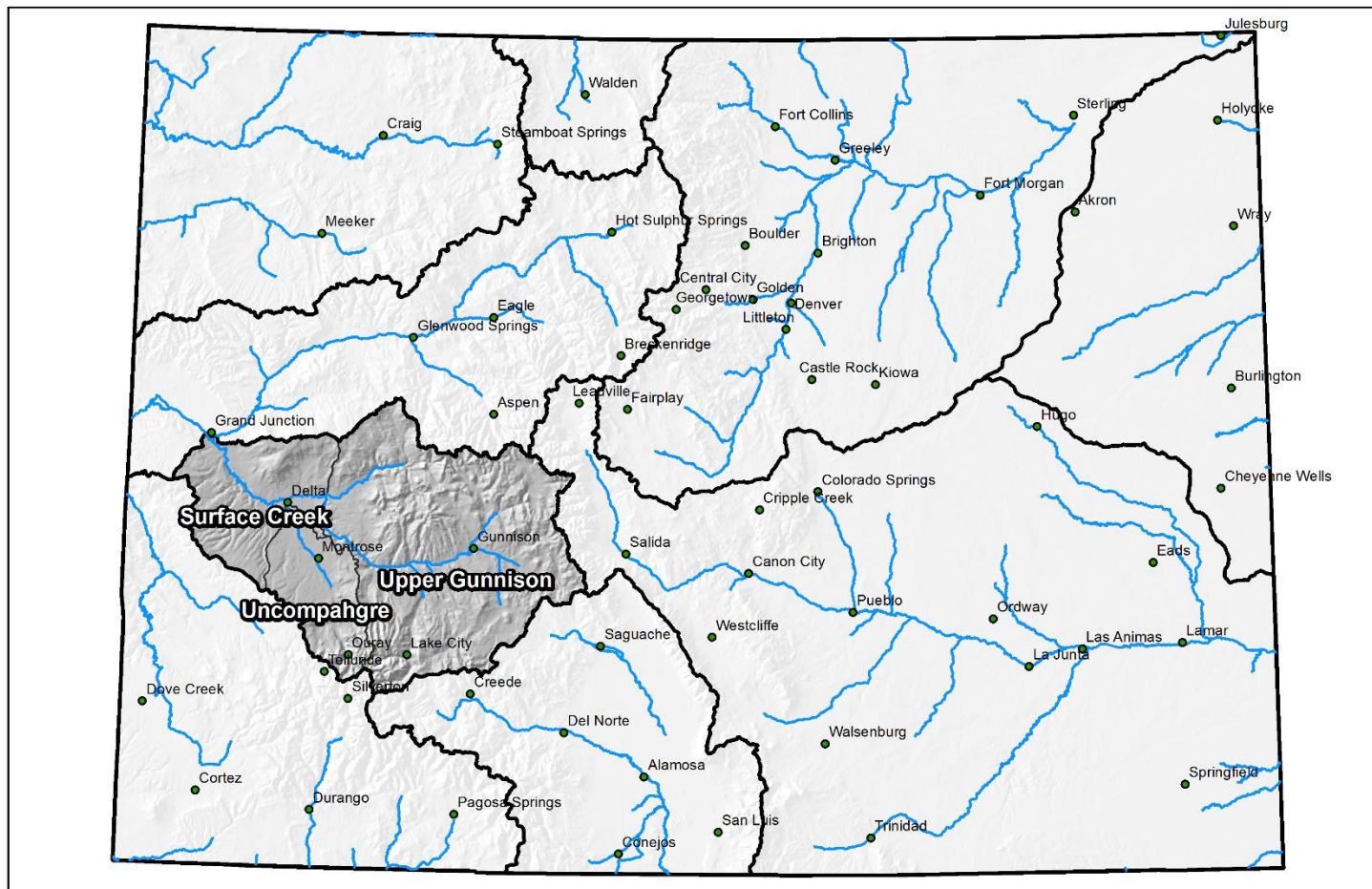
Percent NRCS 1991-2020 Median

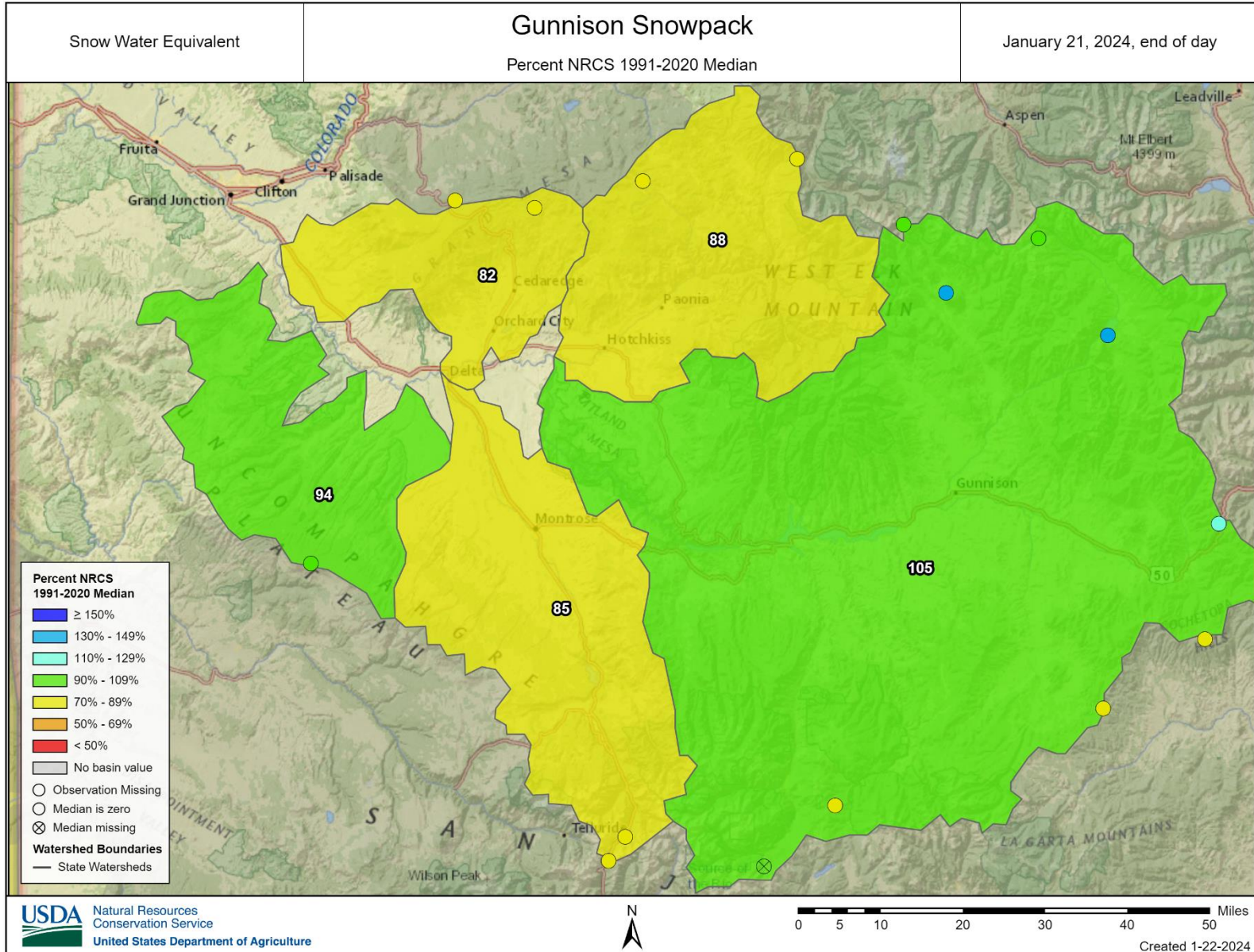
Primary Period, January 1, 2024



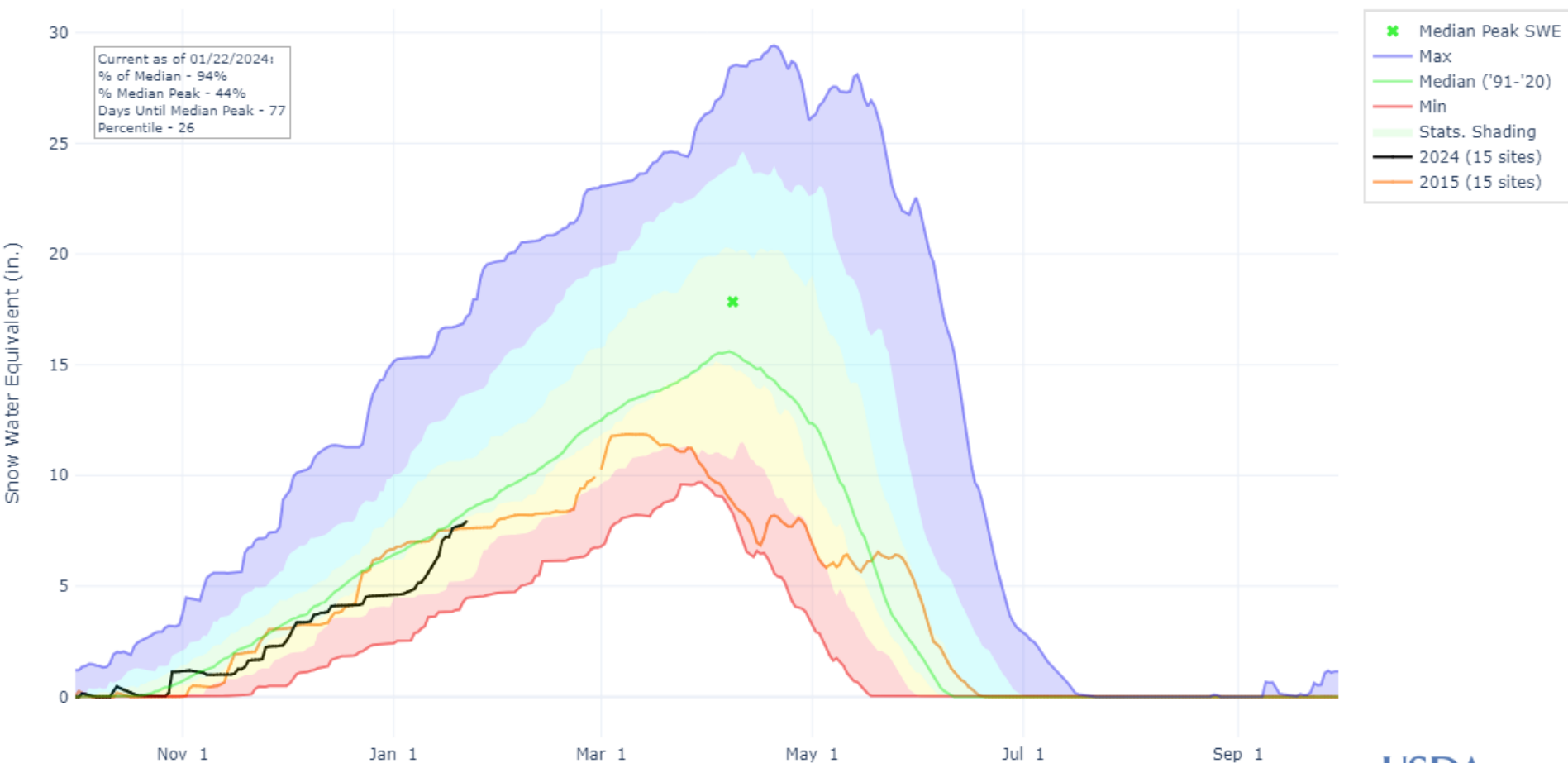
Major Basin Summary

Gunnison River Basin

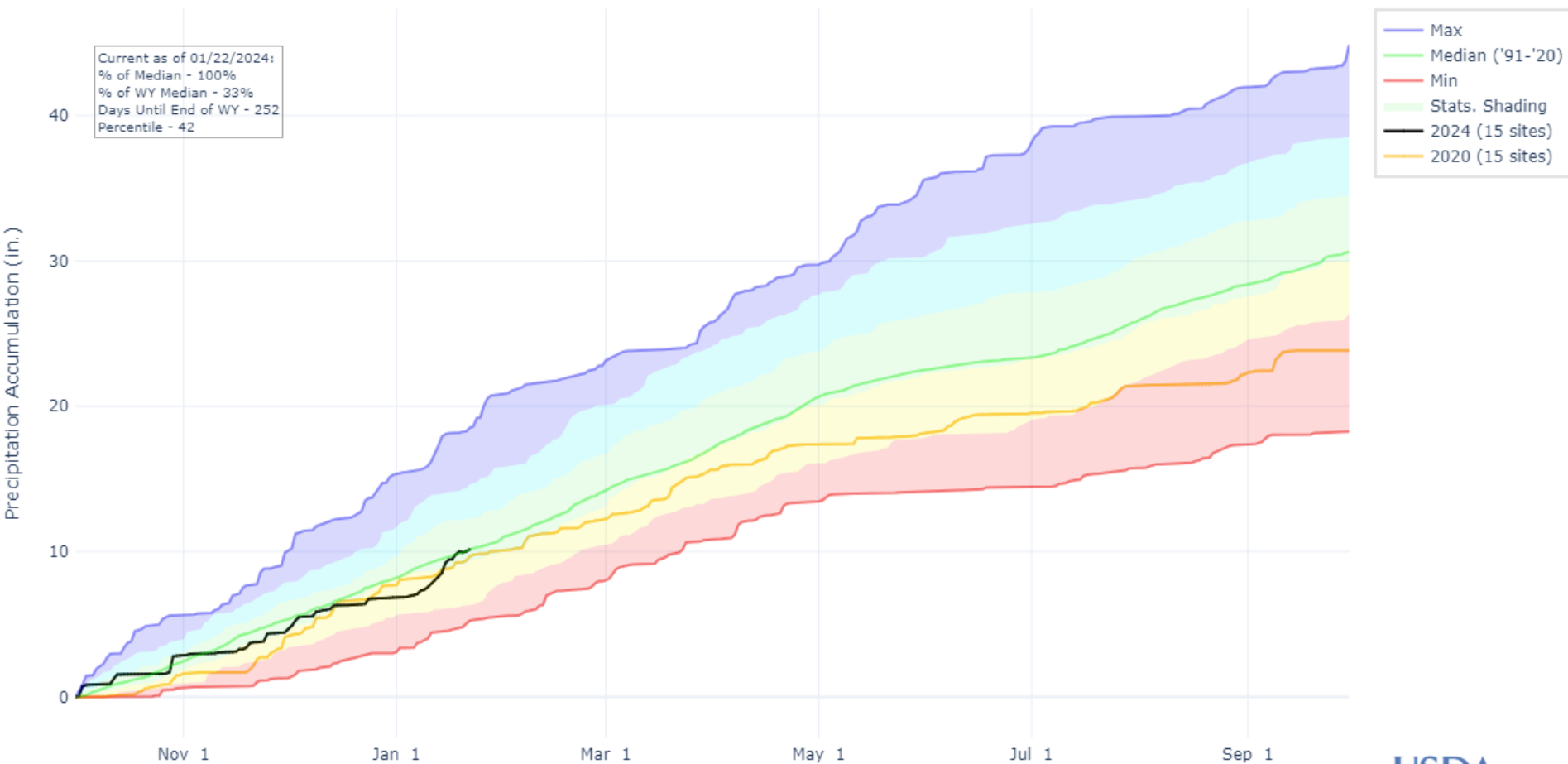




SNOW WATER EQUIVALENT IN GUNNISON

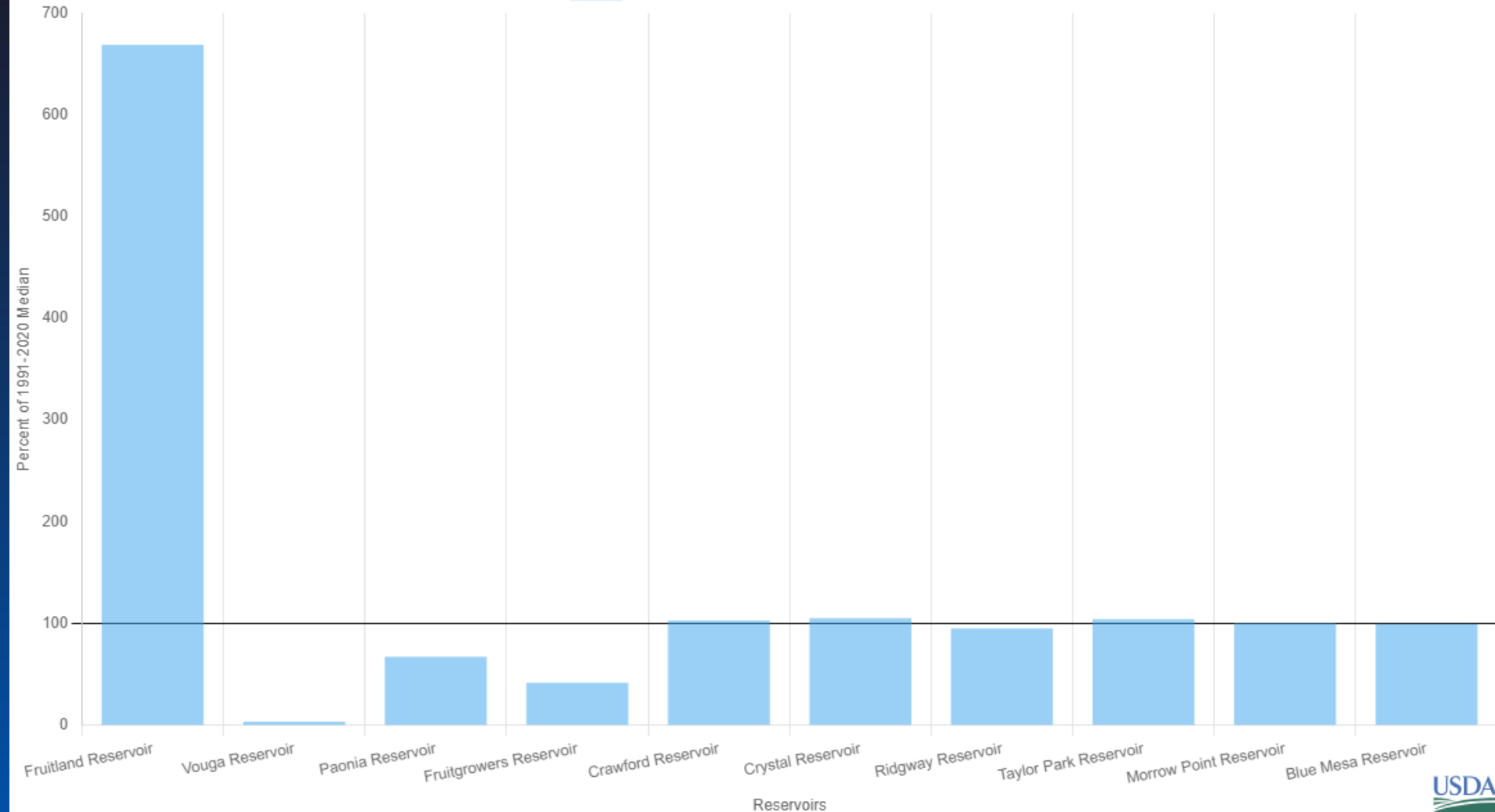


PRECIPITATION ACCUMULATION IN GUNNISON

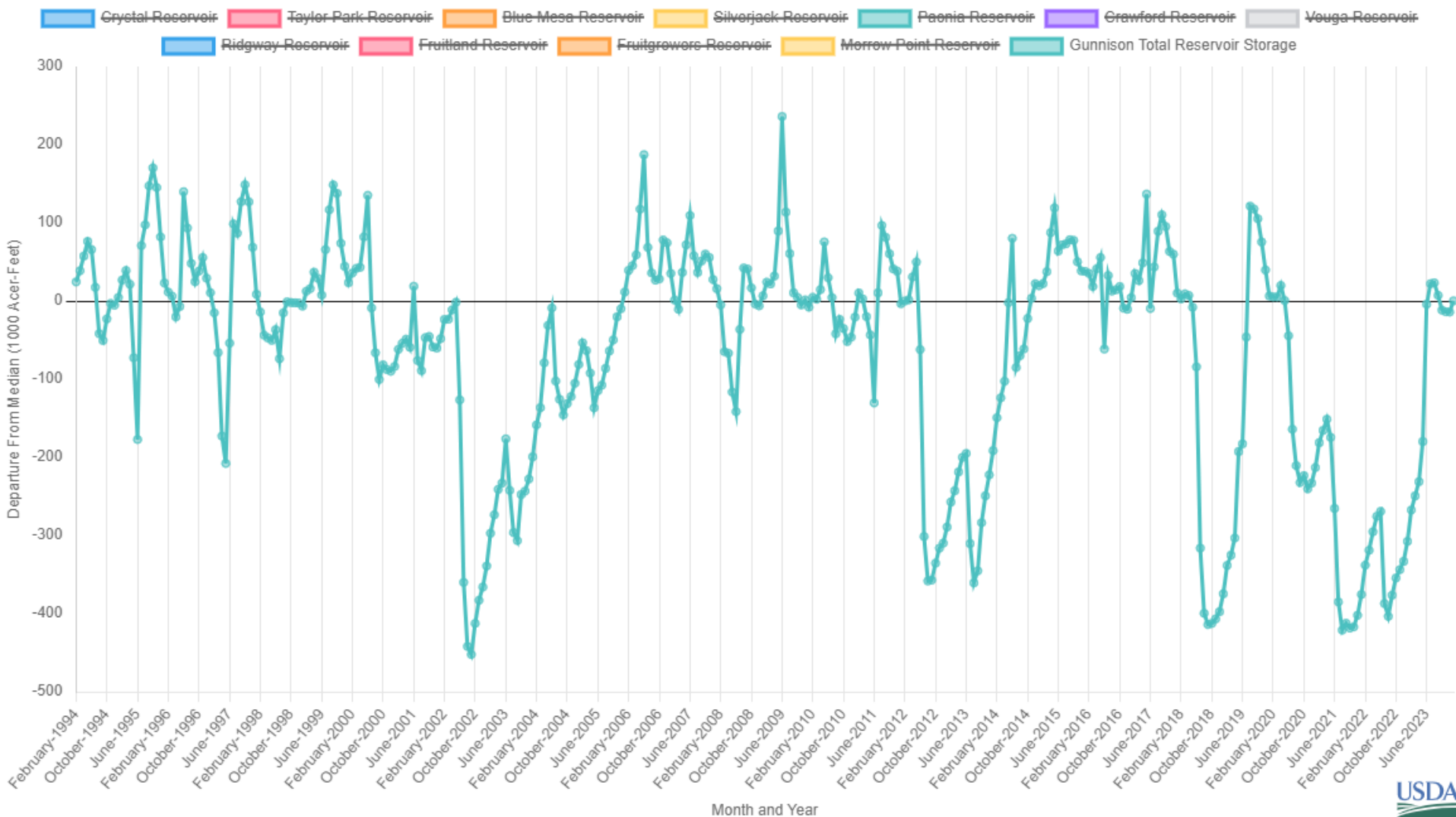


Gunnison Reservoir Storage Summary for January 1st 2024

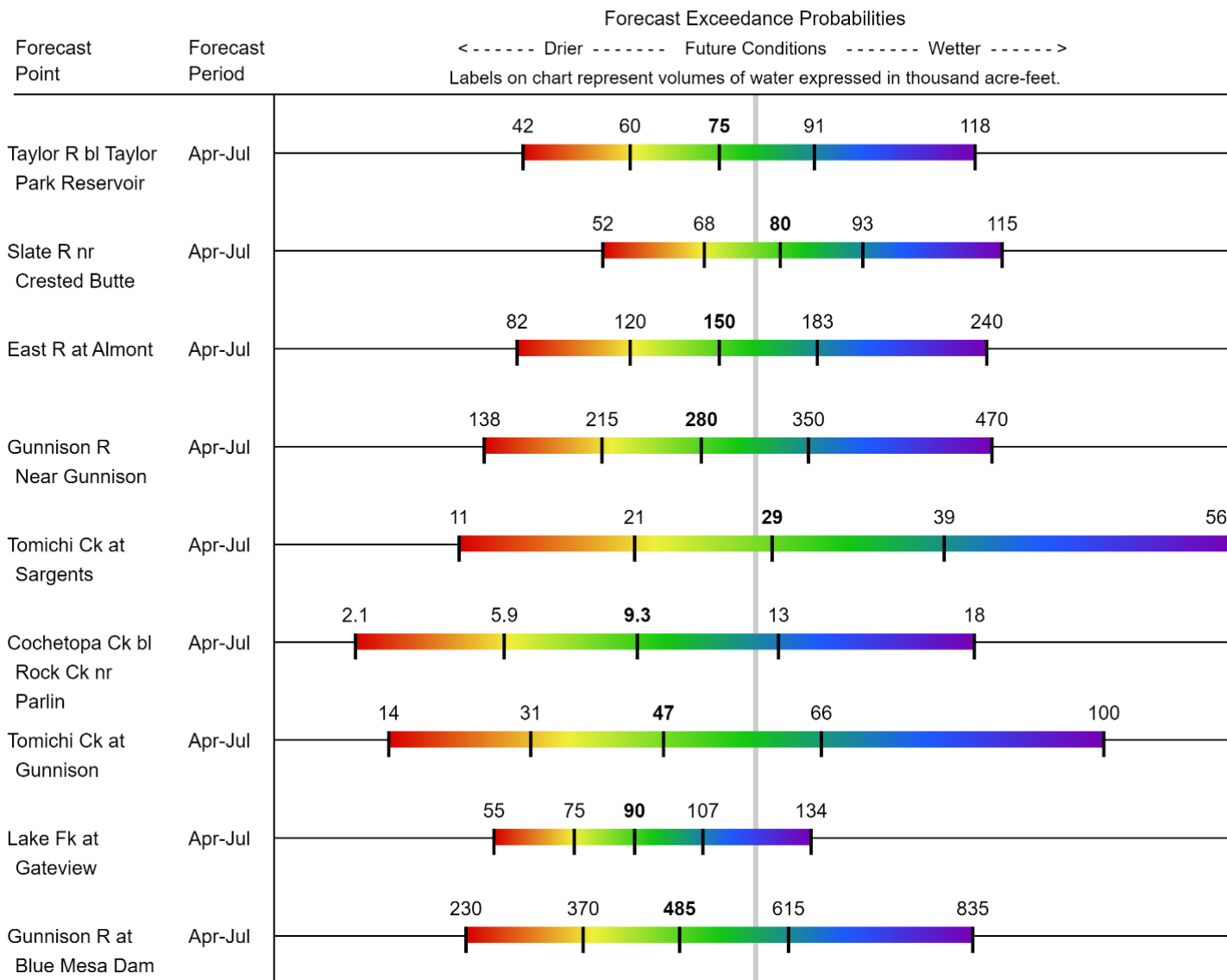
Gunnison Reservoirs as a Percent of Median



Gunnison Departure From Median Timeseries Plot

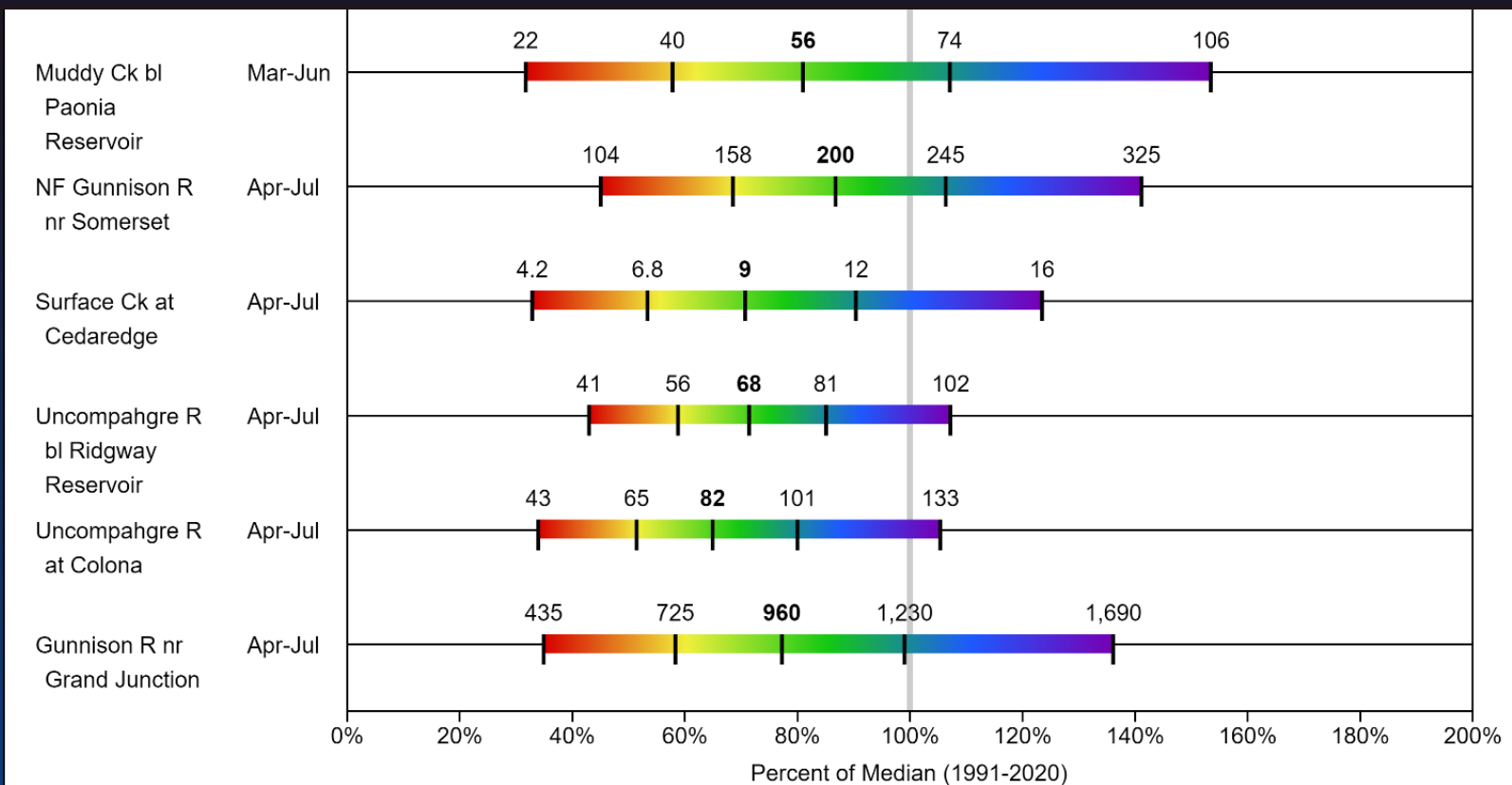


GUNNISON Water Supply Forecasts January 1, 2024

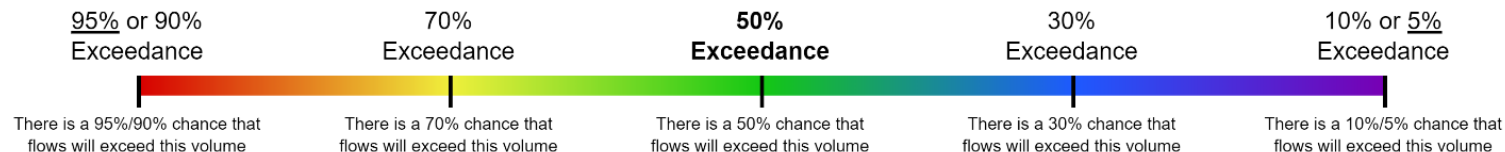




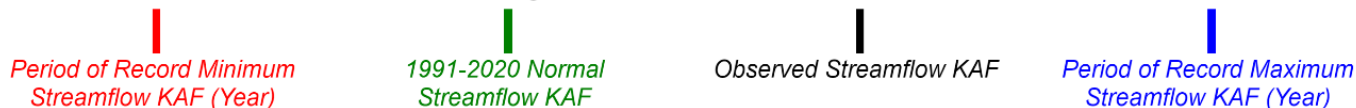
Colorado Snow Surveys



Legend



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

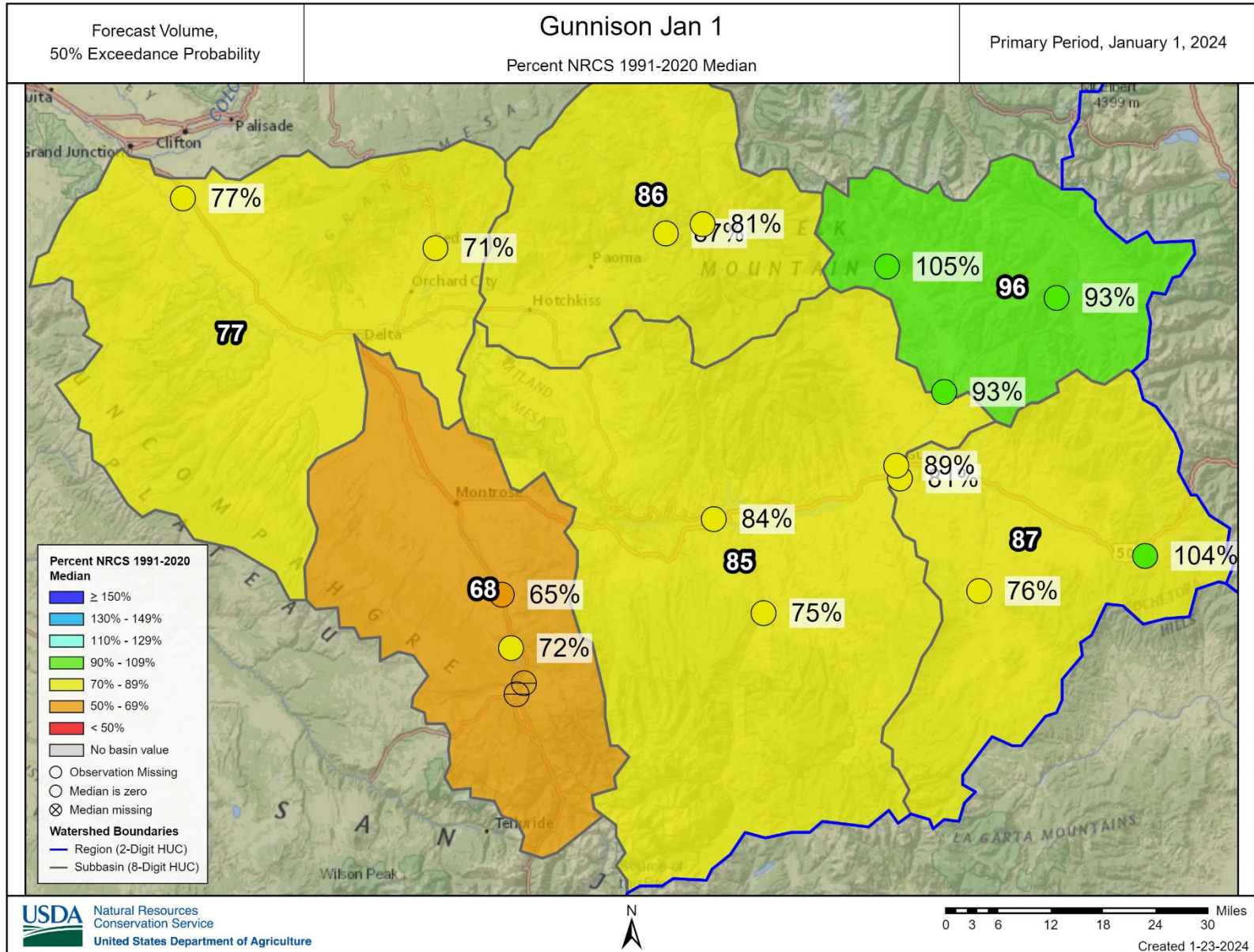


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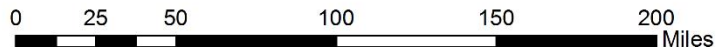
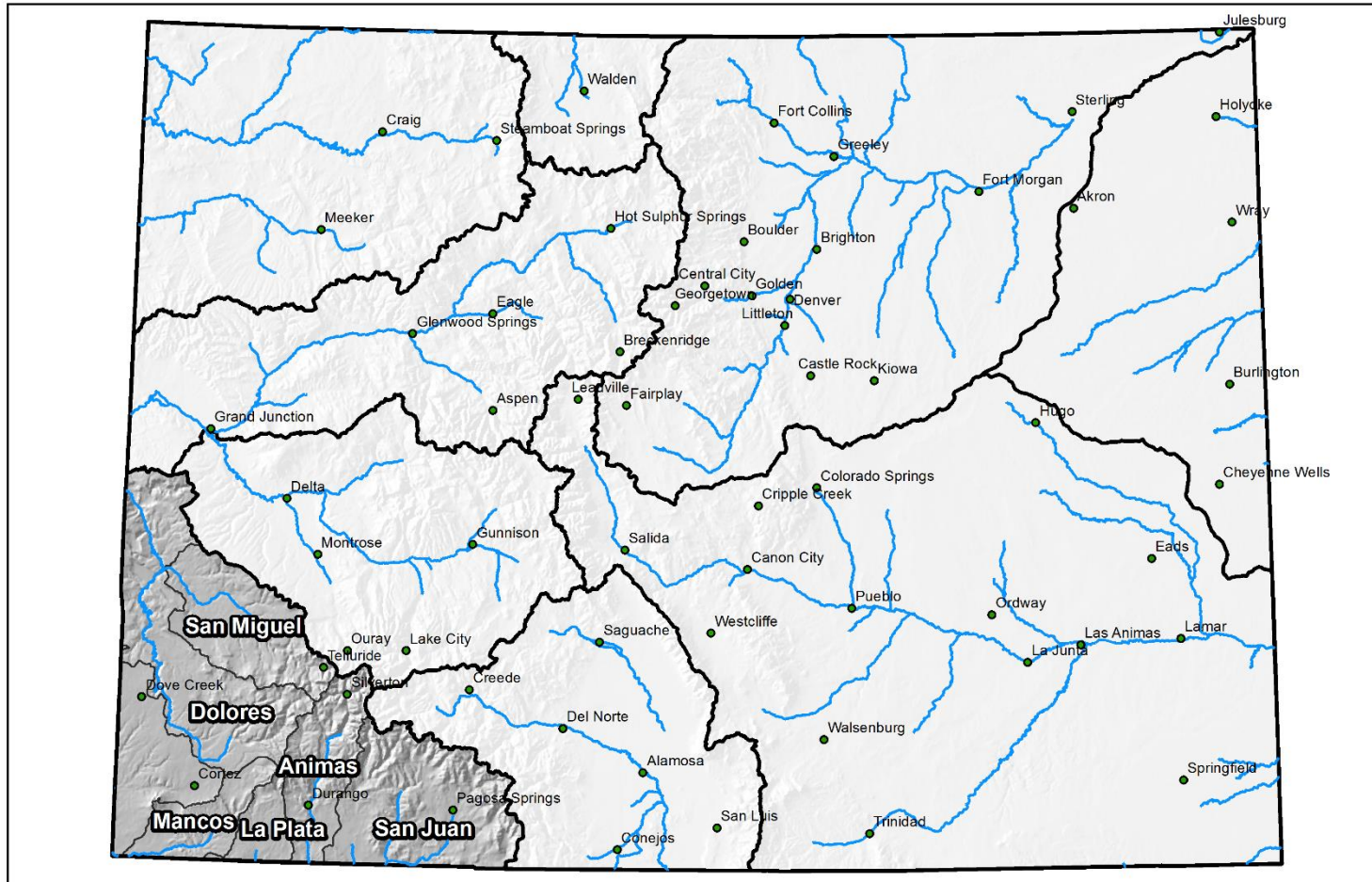
United States Department of Agriculture

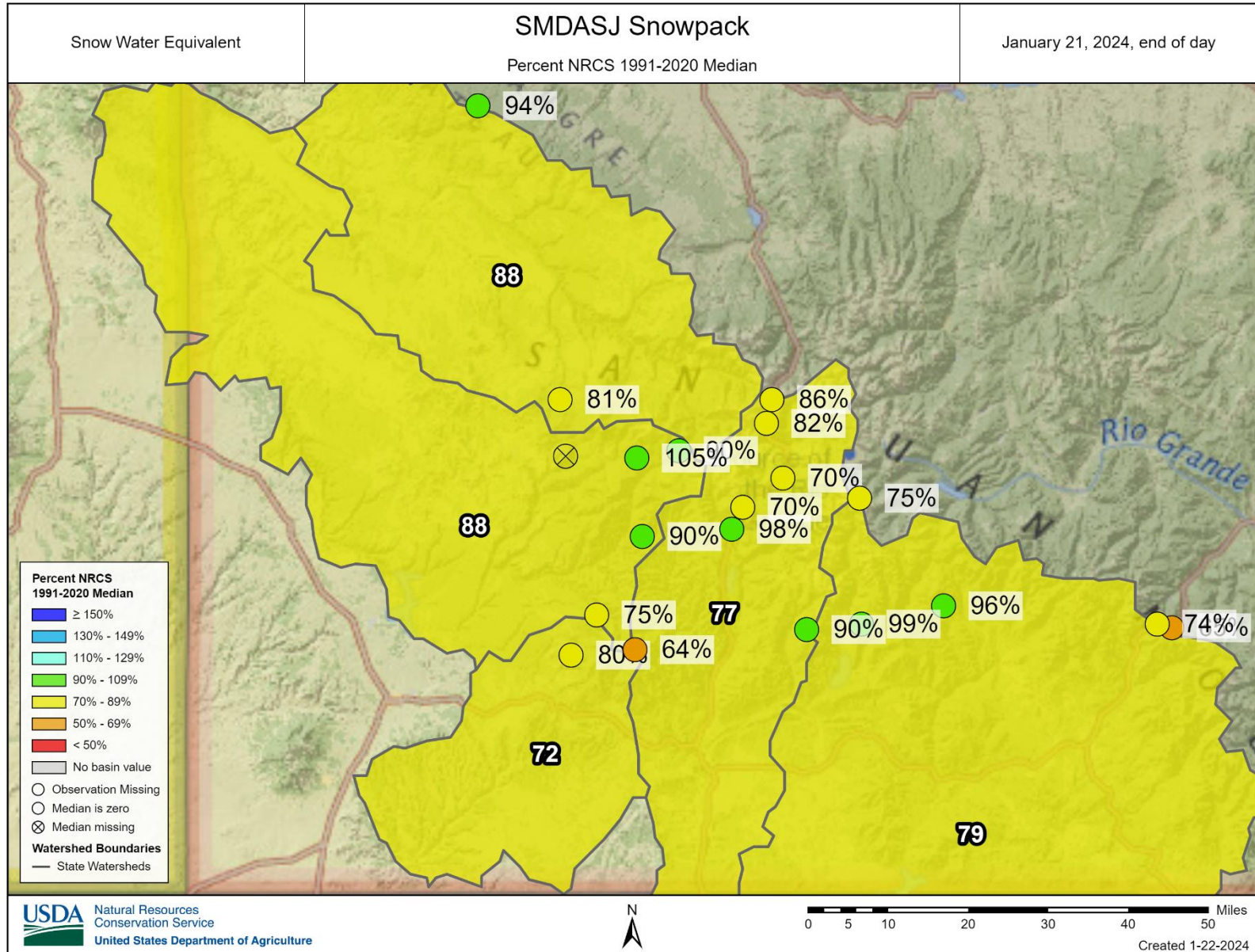
Colorado Snow Surveys



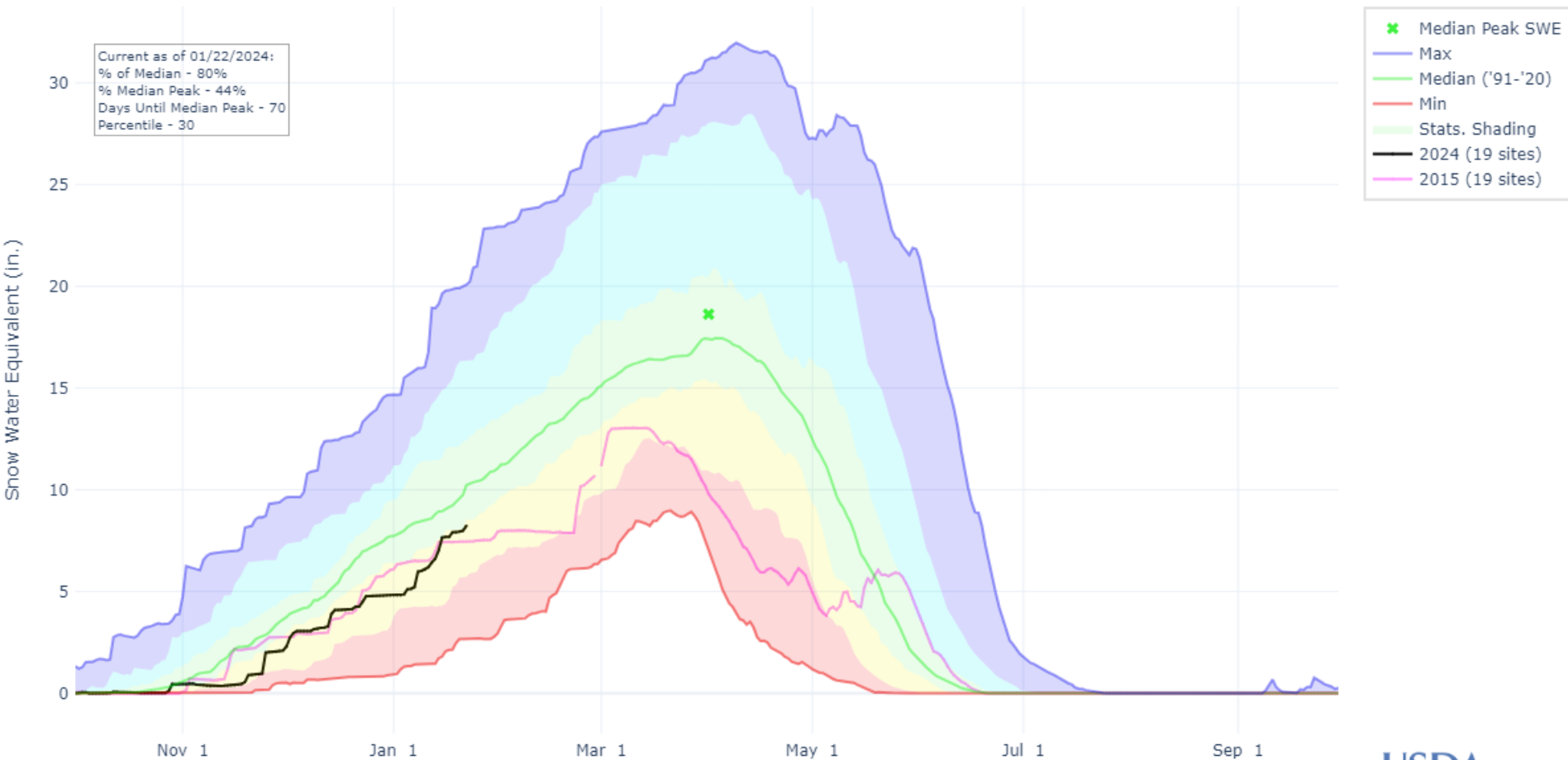
Major Basin Summary

San Miguel, Dolores, Animas, and San Juan River Basins

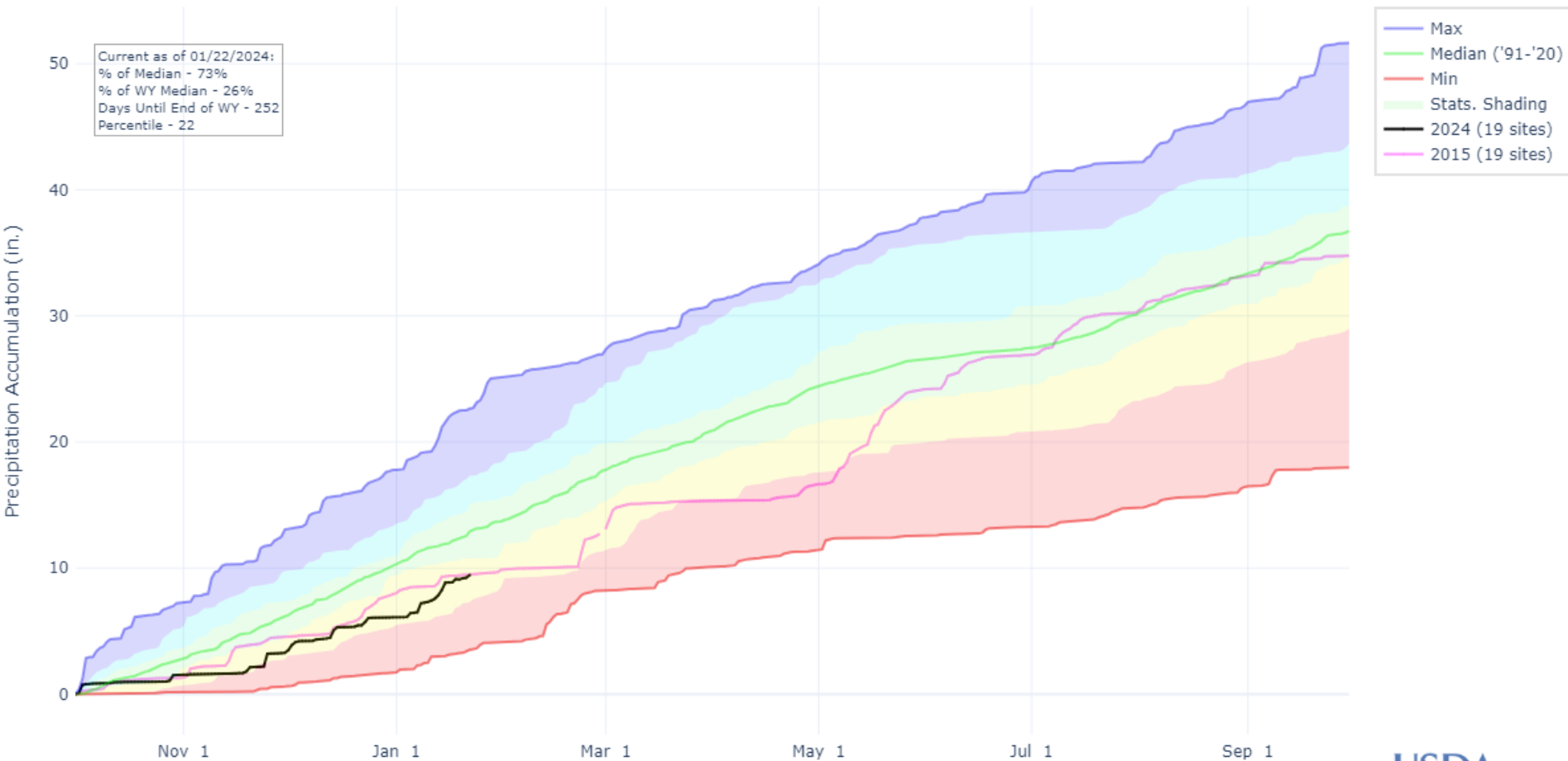




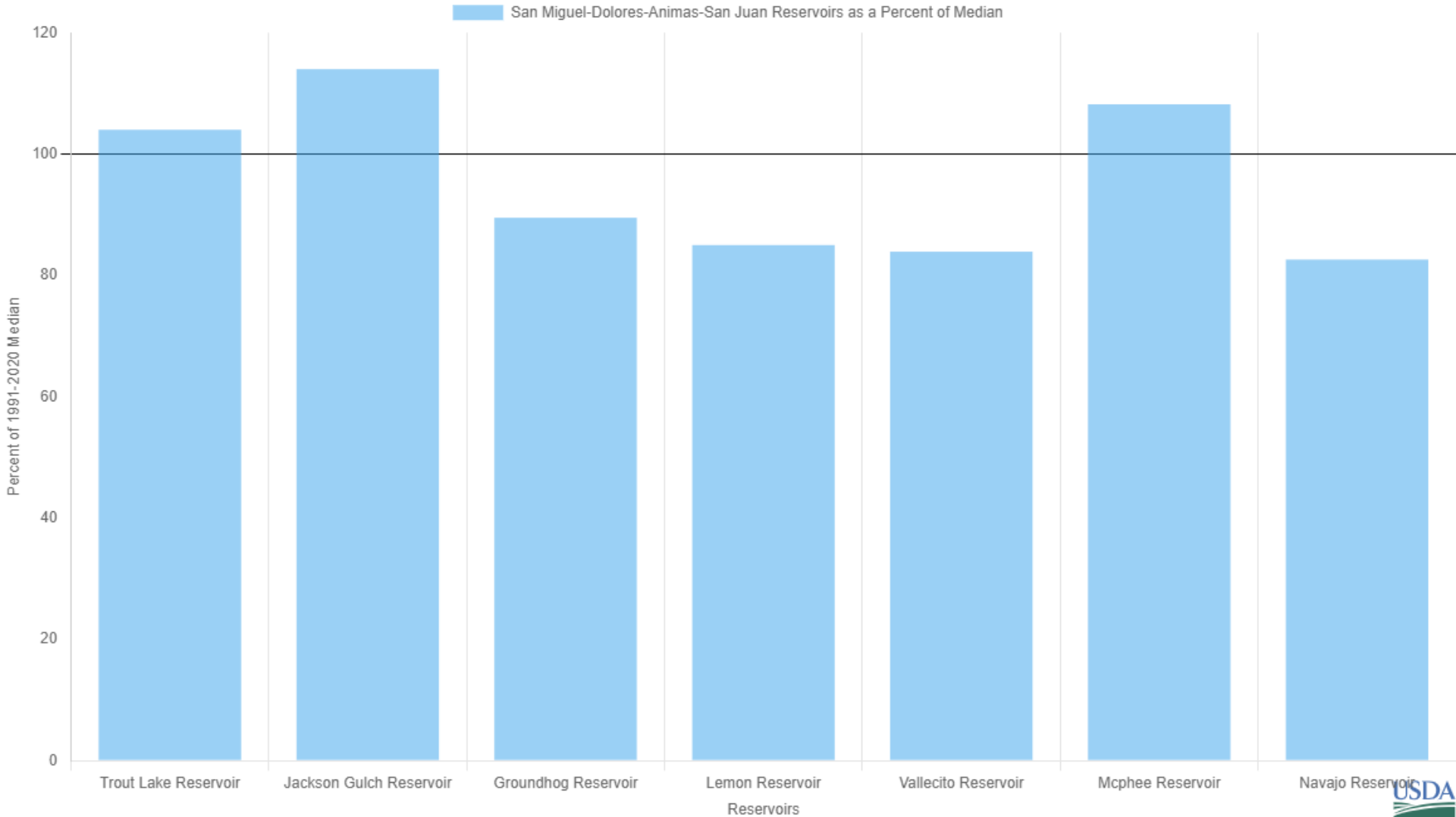
SNOW WATER EQUIVALENT IN SAN MIGUEL-DOLORES-ANIMAS-SAN JUAN



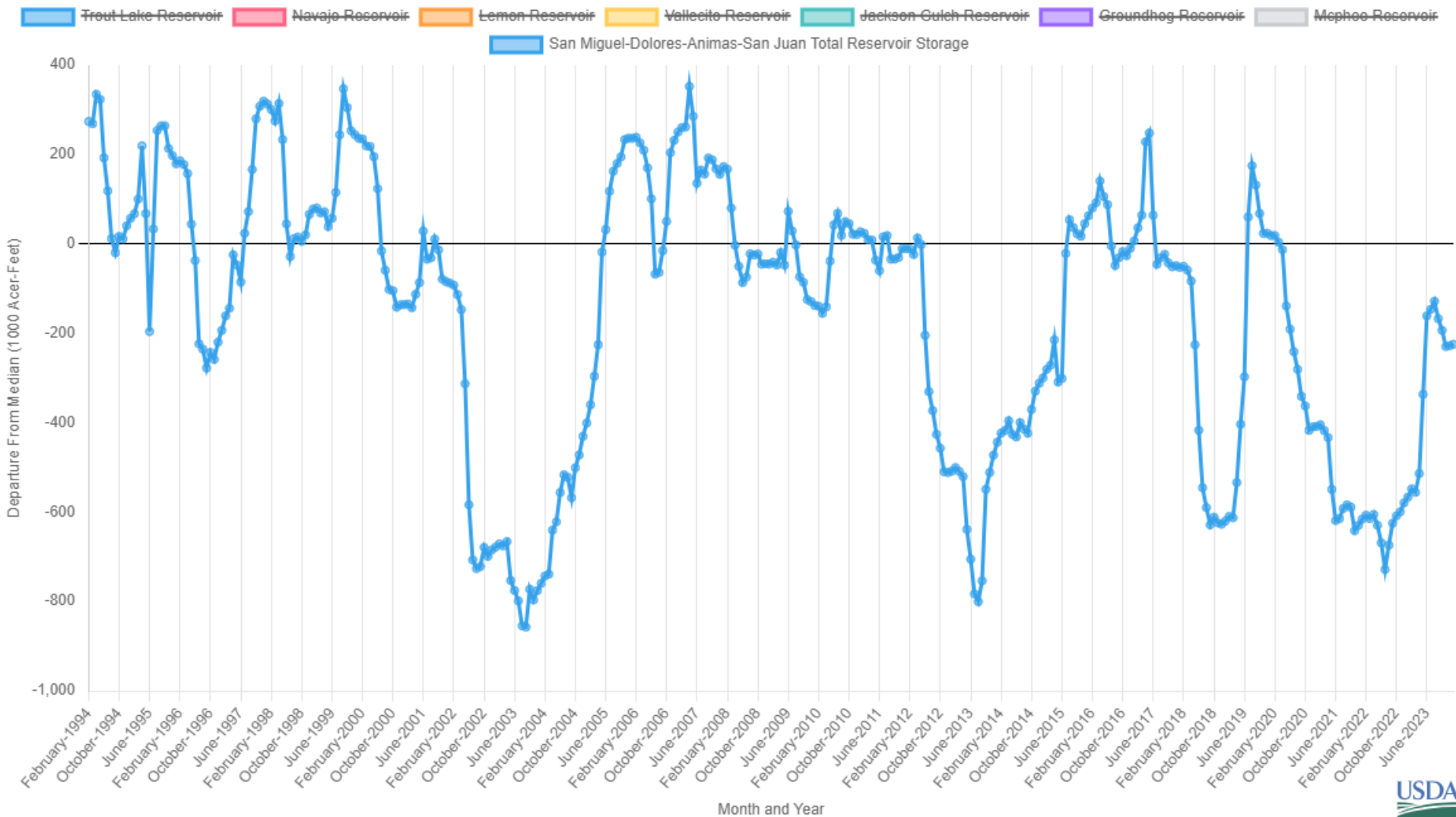
PRECIPITATION ACCUMULATION IN SAN MIGUEL-DOLORES-ANIMAS-SAN JUAN

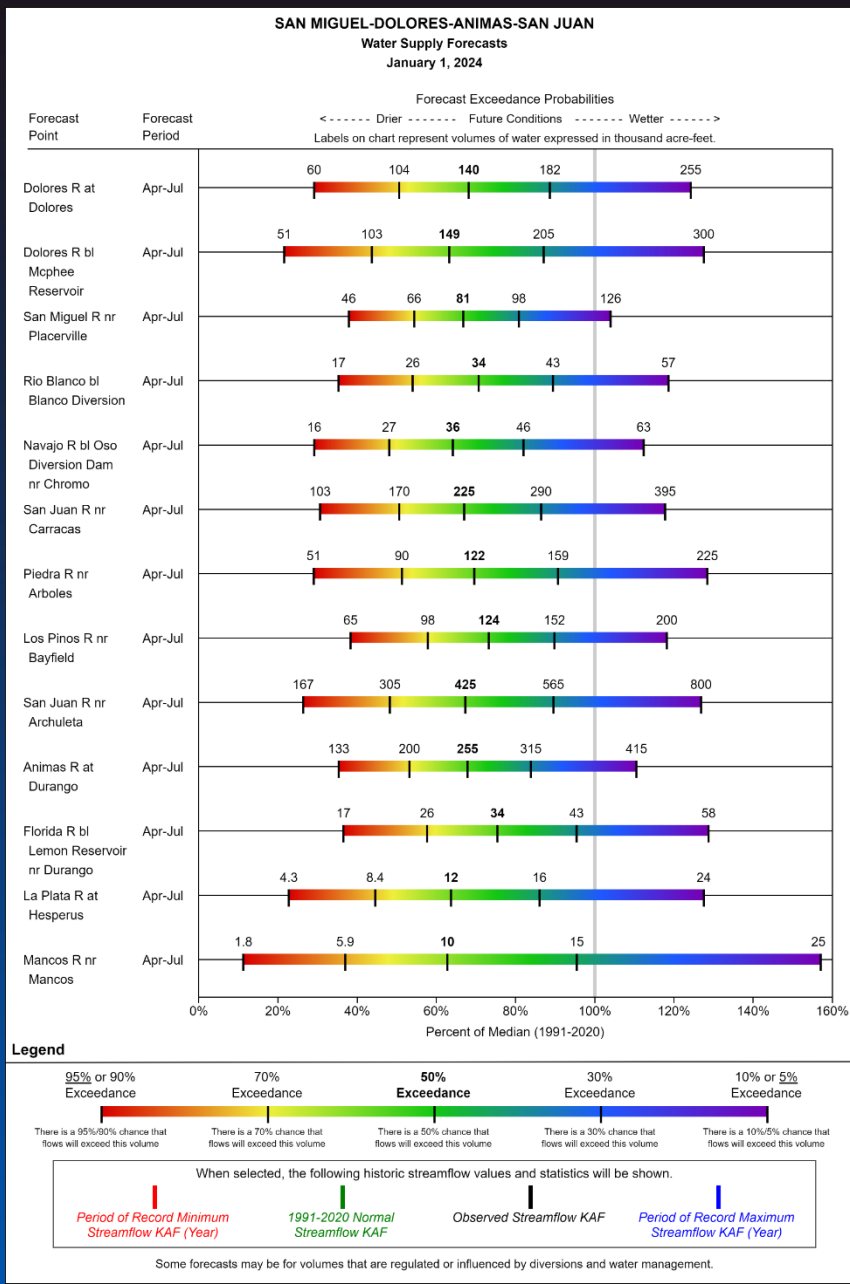


San Miguel-Dolores-Animas-San Juan Reservoir Storage Summary for January 1st 2024



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







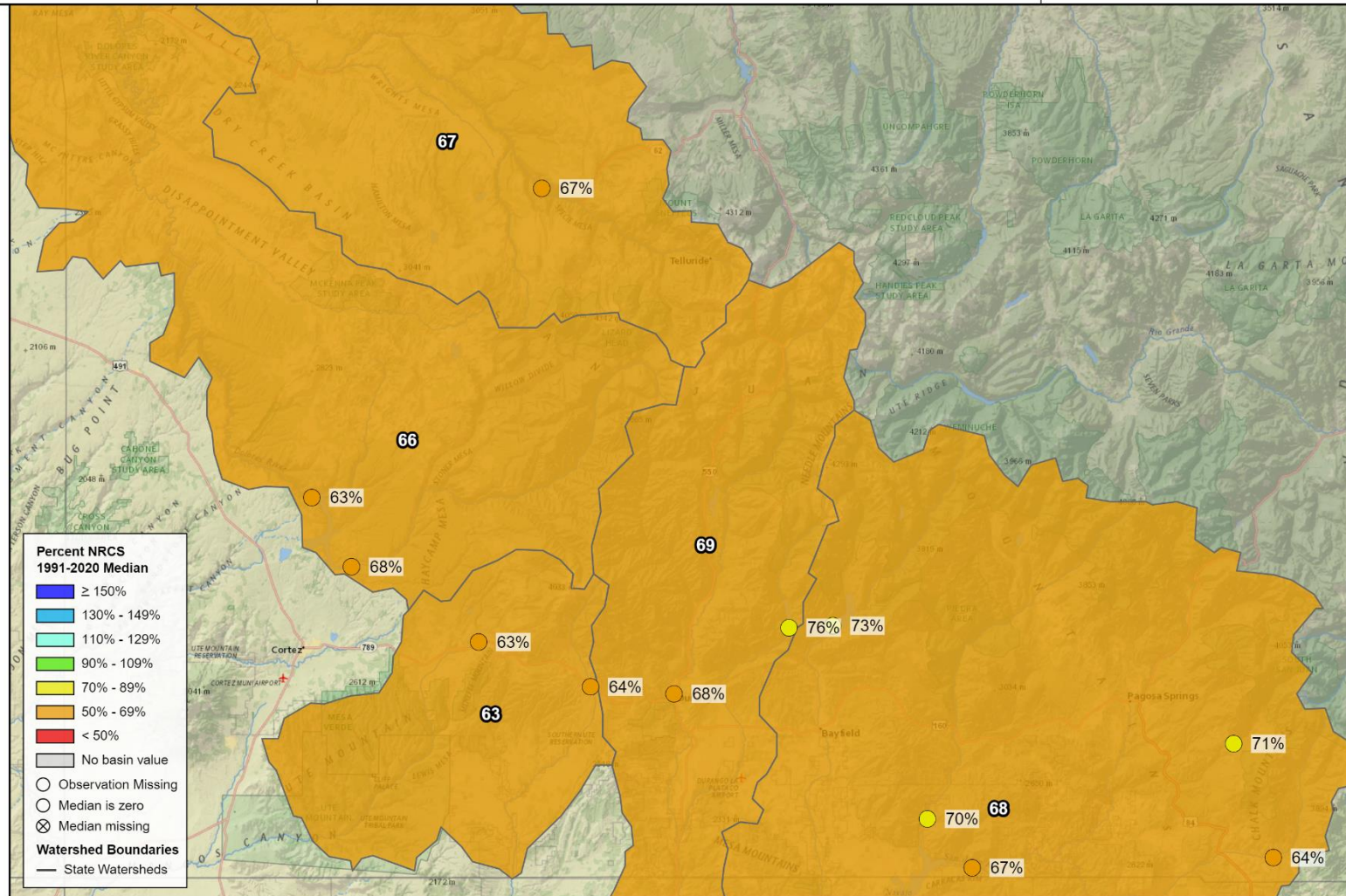
United States Department of Agriculture

Colorado Snow Surveys

Forecast Volume,
50% Exceedance Probability

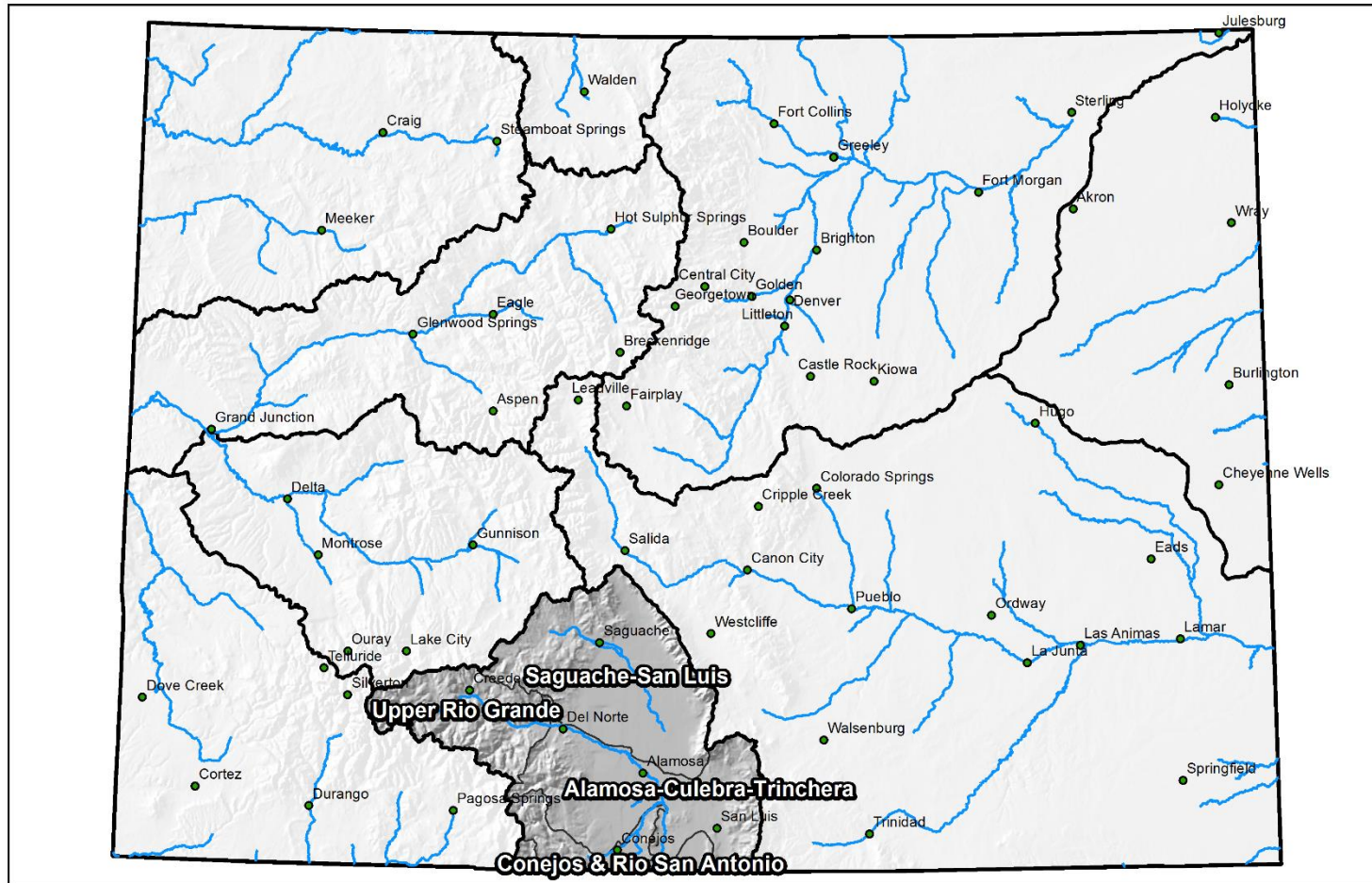
SMDASJ Jan 1
Percent NRCS 1991-2020 Median

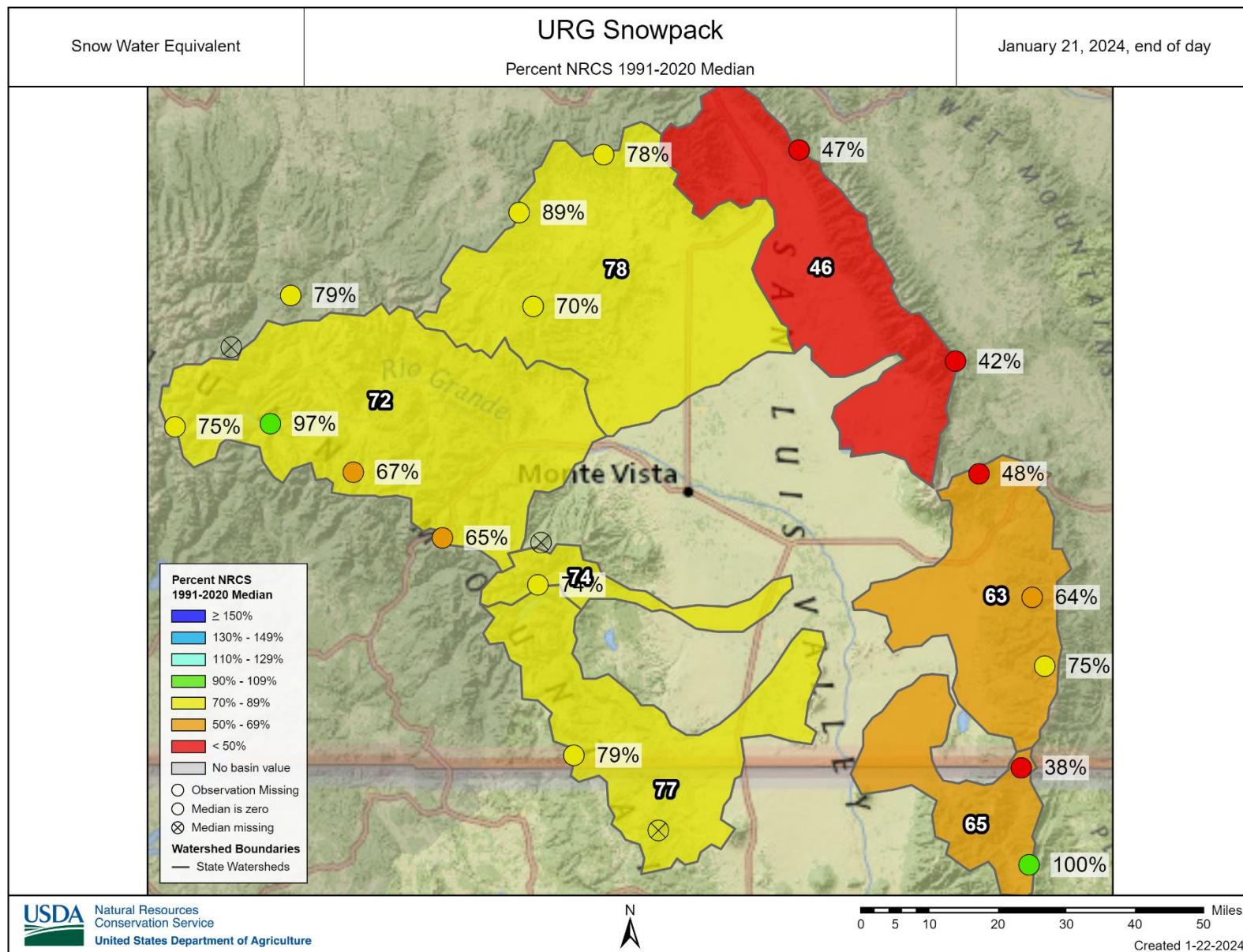
Primary Period, January 1, 2024



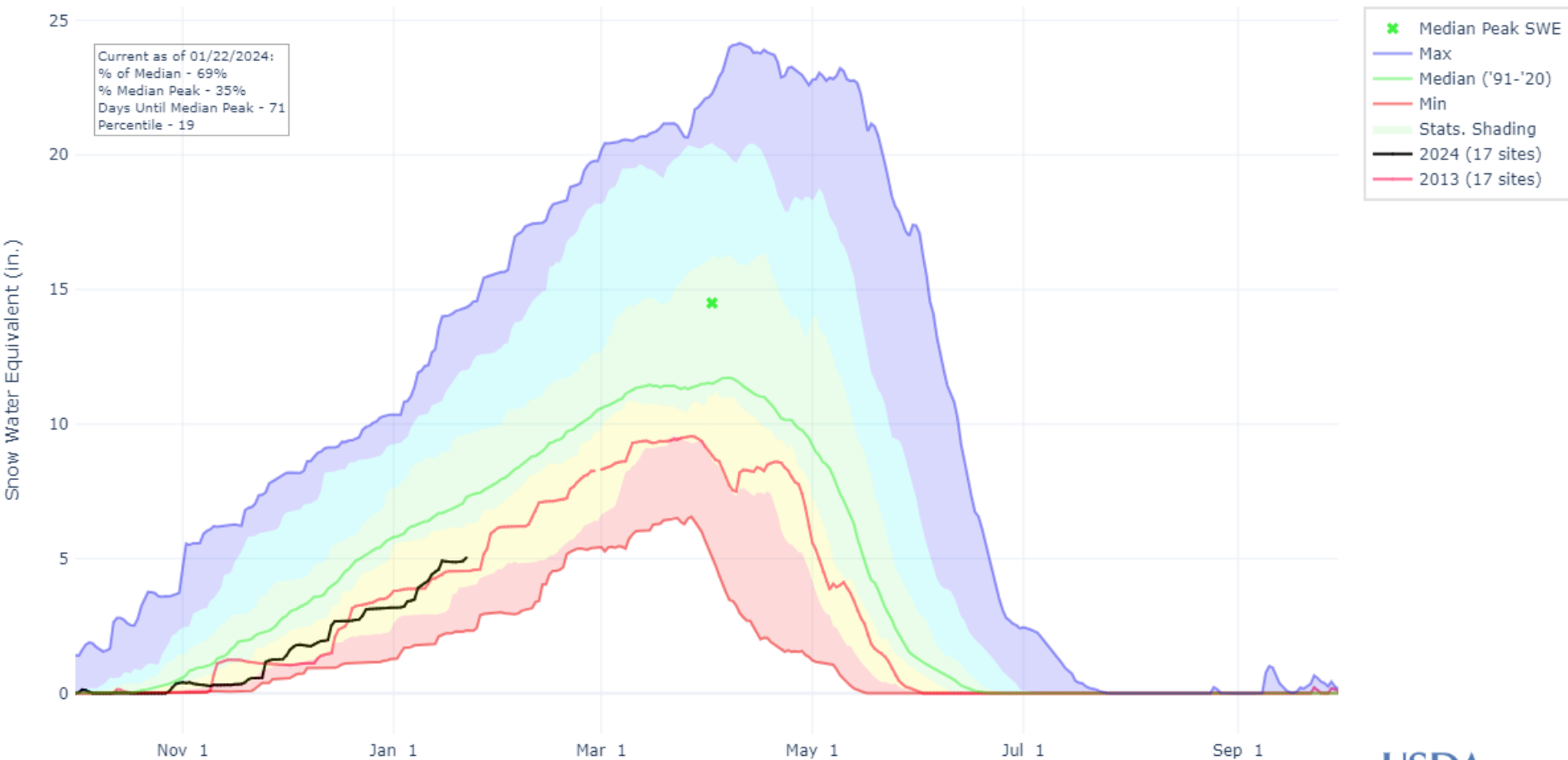
Major Basin Summary

Upper Rio Grande River Basin

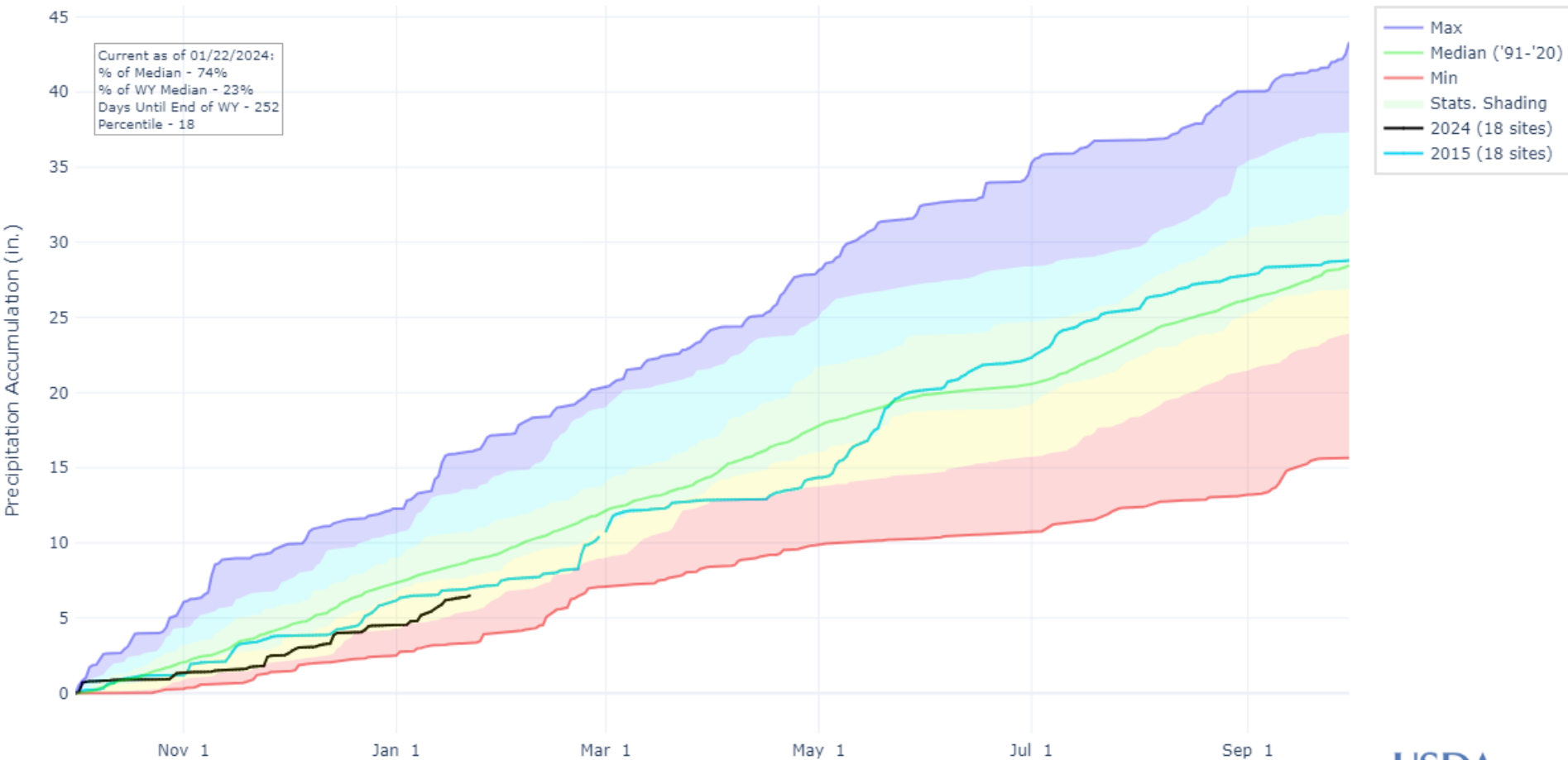




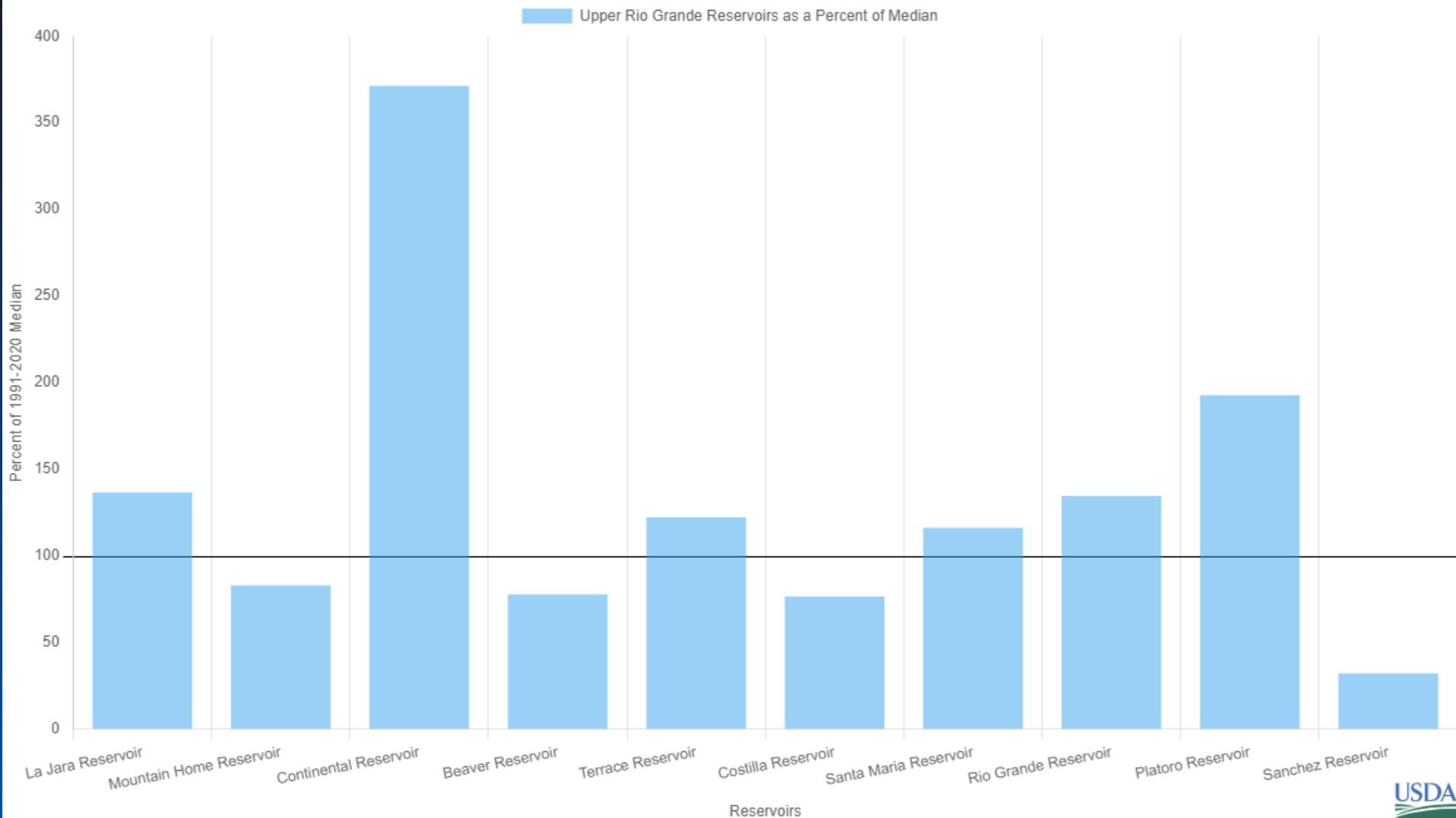
SNOW WATER EQUIVALENT IN UPPER RIO GRANDE



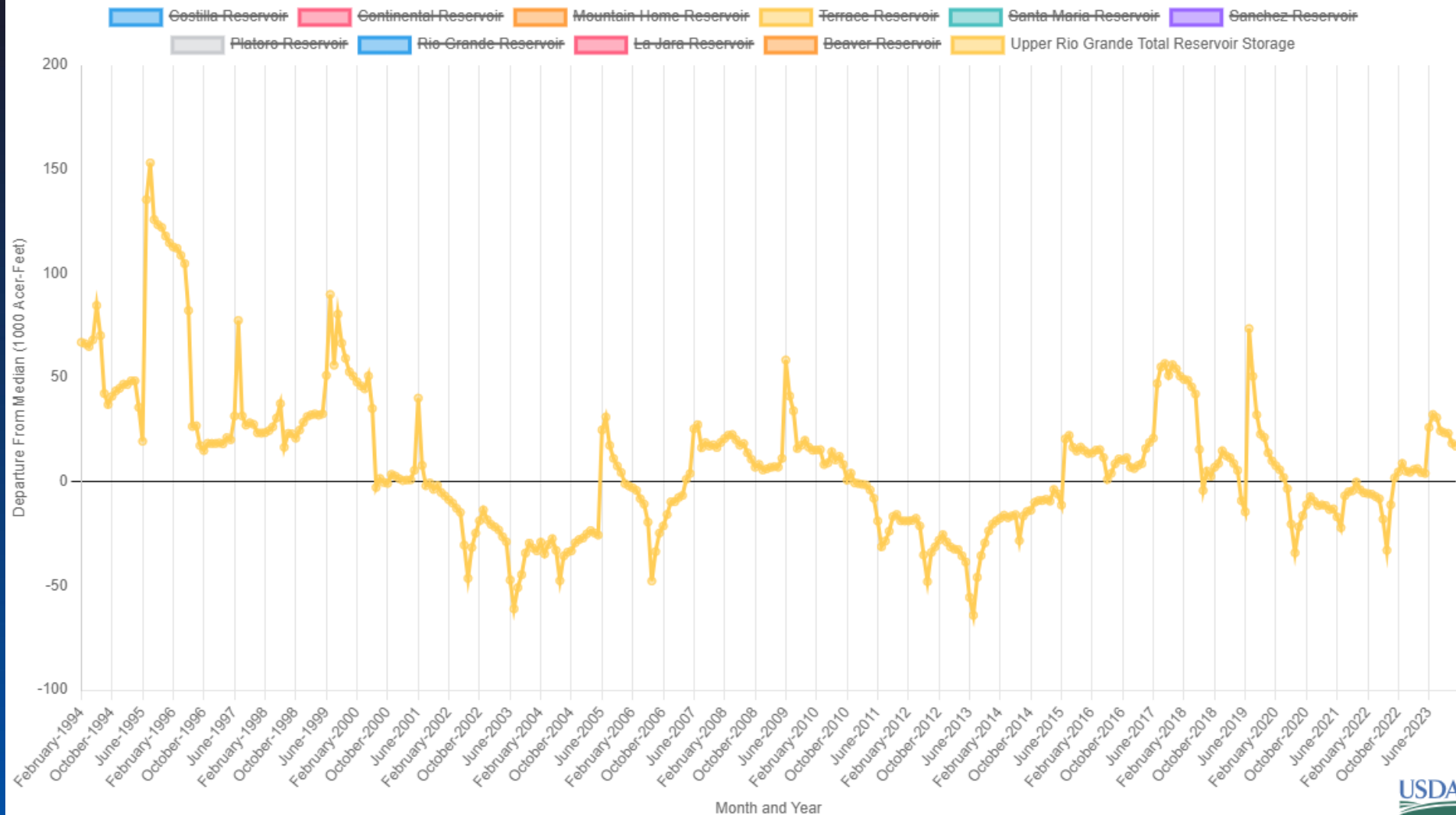
PRECIPITATION ACCUMULATION IN UPPER RIO GRANDE



Upper Rio Grande Reservoir Storage Summary for January 1st 2024



Upper Rio Grande Departure From Median Timeseries Plot

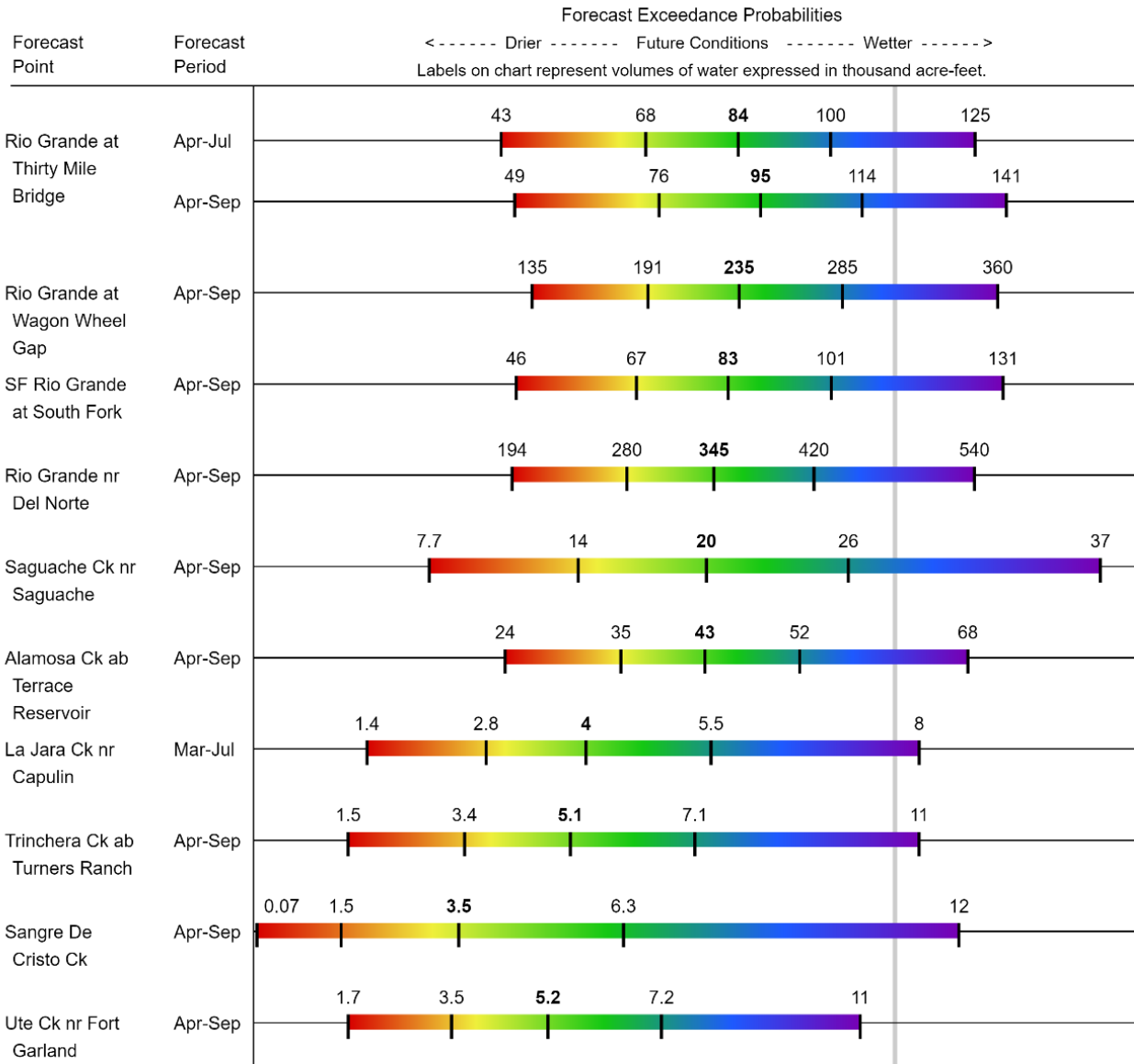




UPPER RIO GRANDE

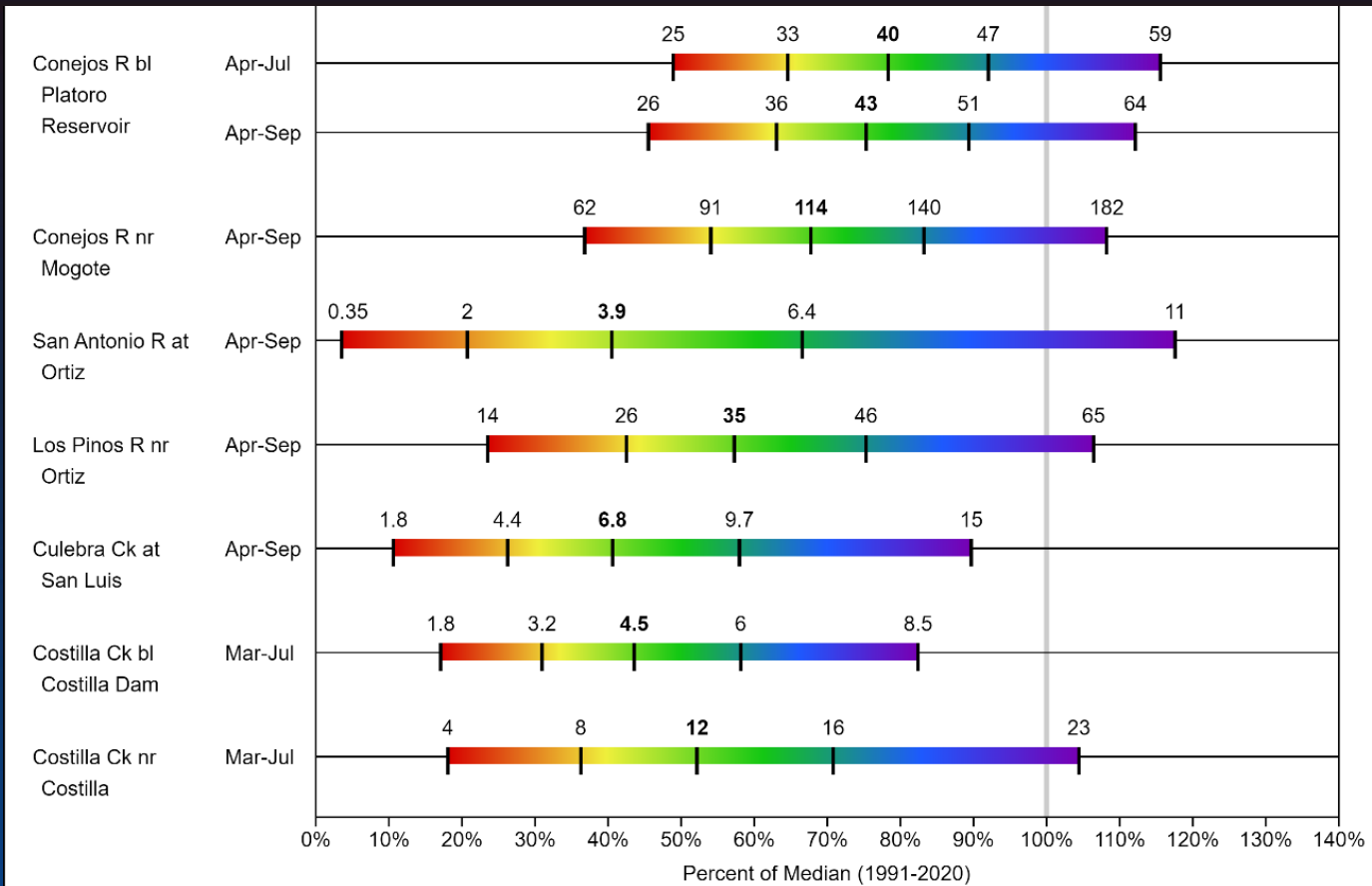
Water Supply Forecasts

January 1, 2024

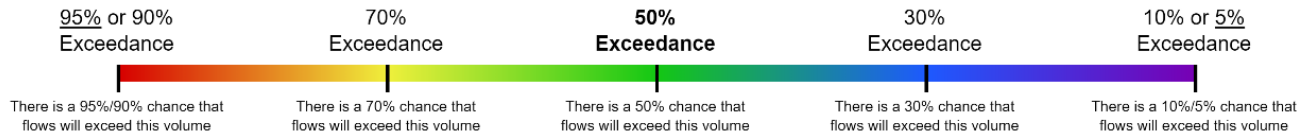




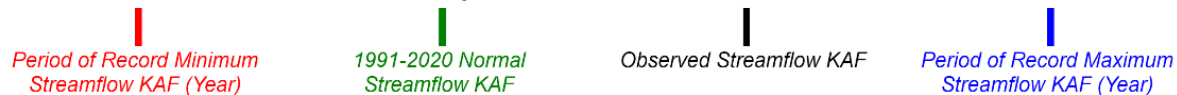
Colorado Snow Surveys



Legend



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



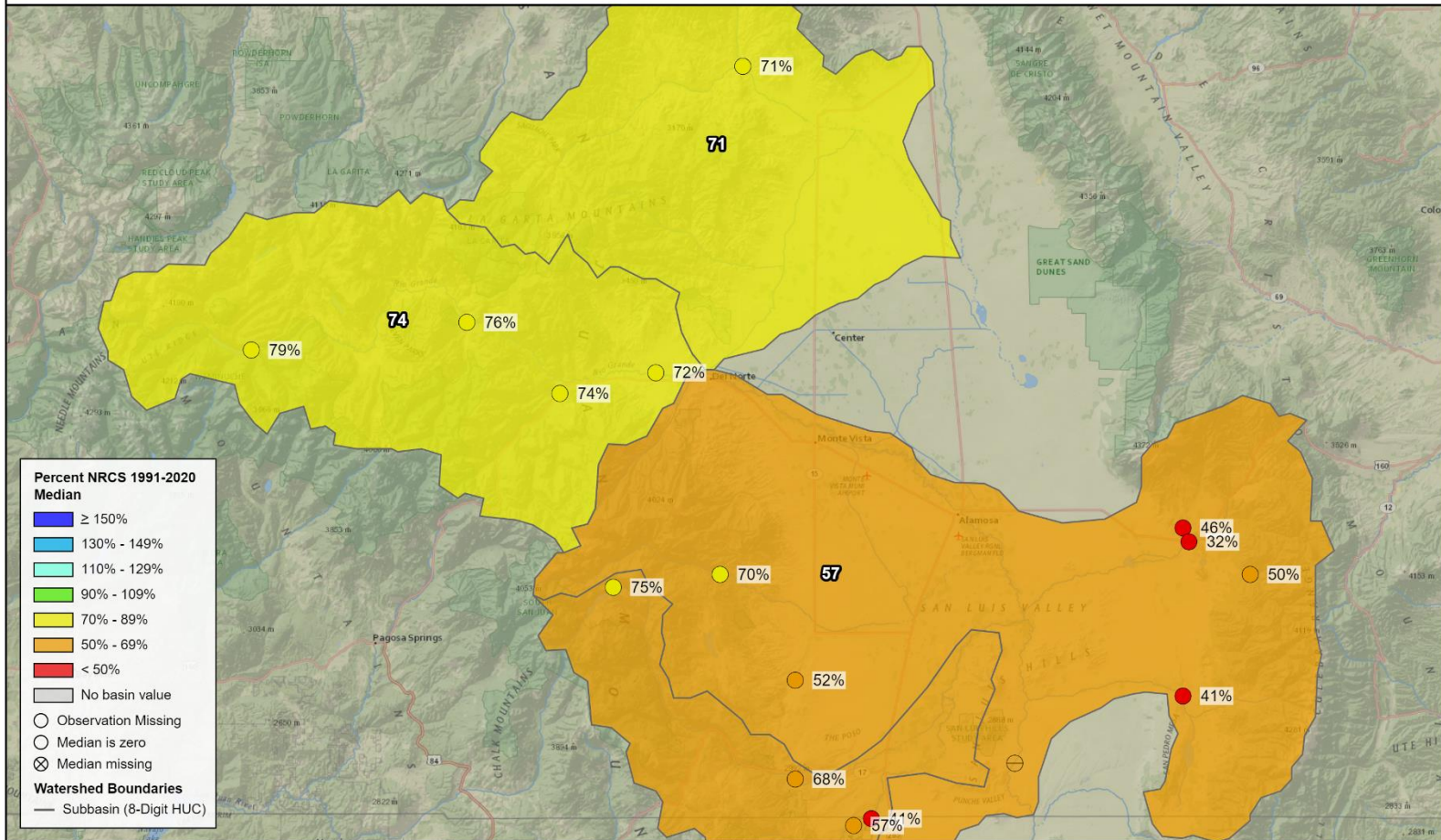
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Forecast Volume,
50% Exceedance Probability

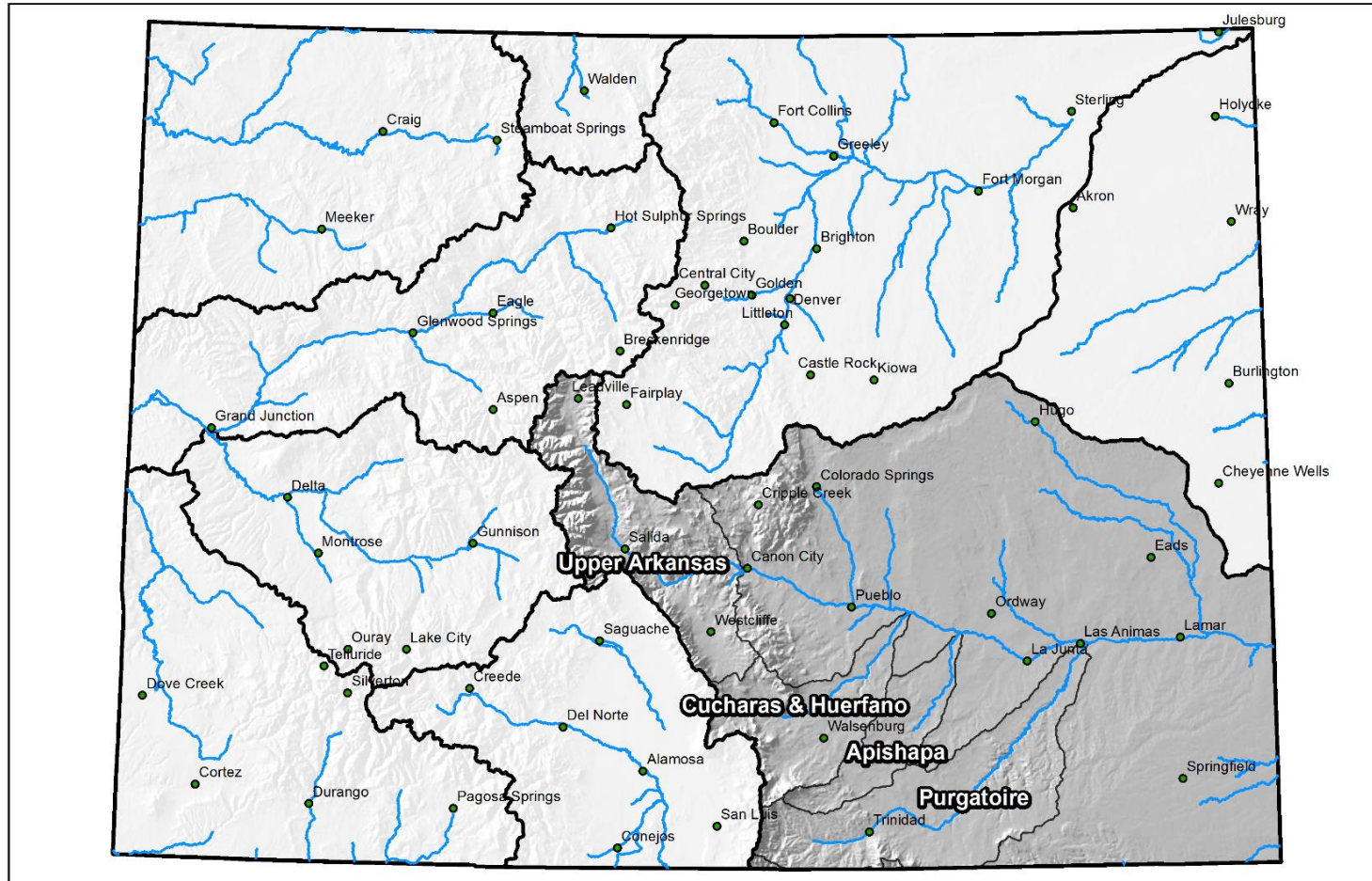
URG Jan 1
Percent NRCS 1991-2020 Median

Primary Period, January 1, 2024

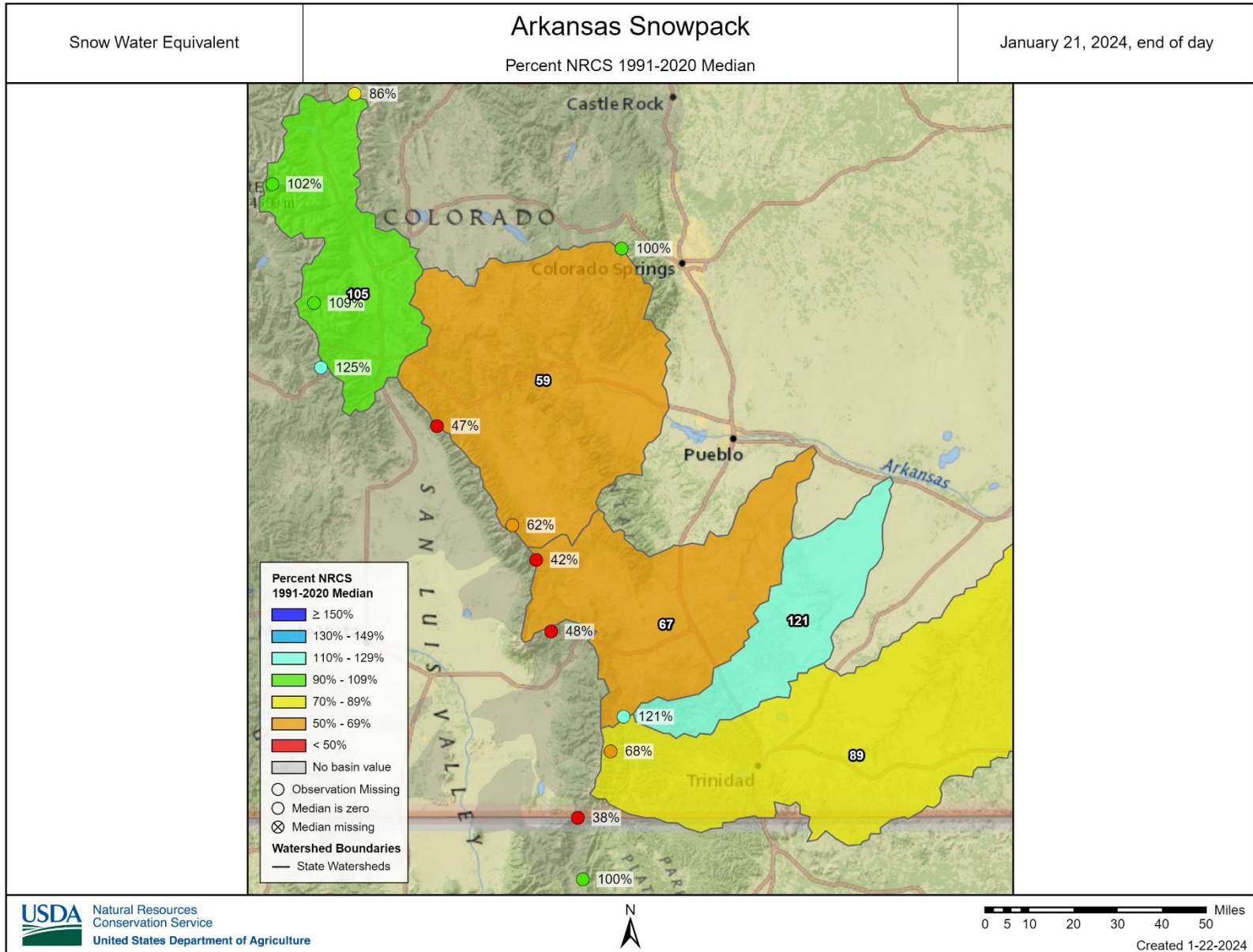


Major Basin Summary

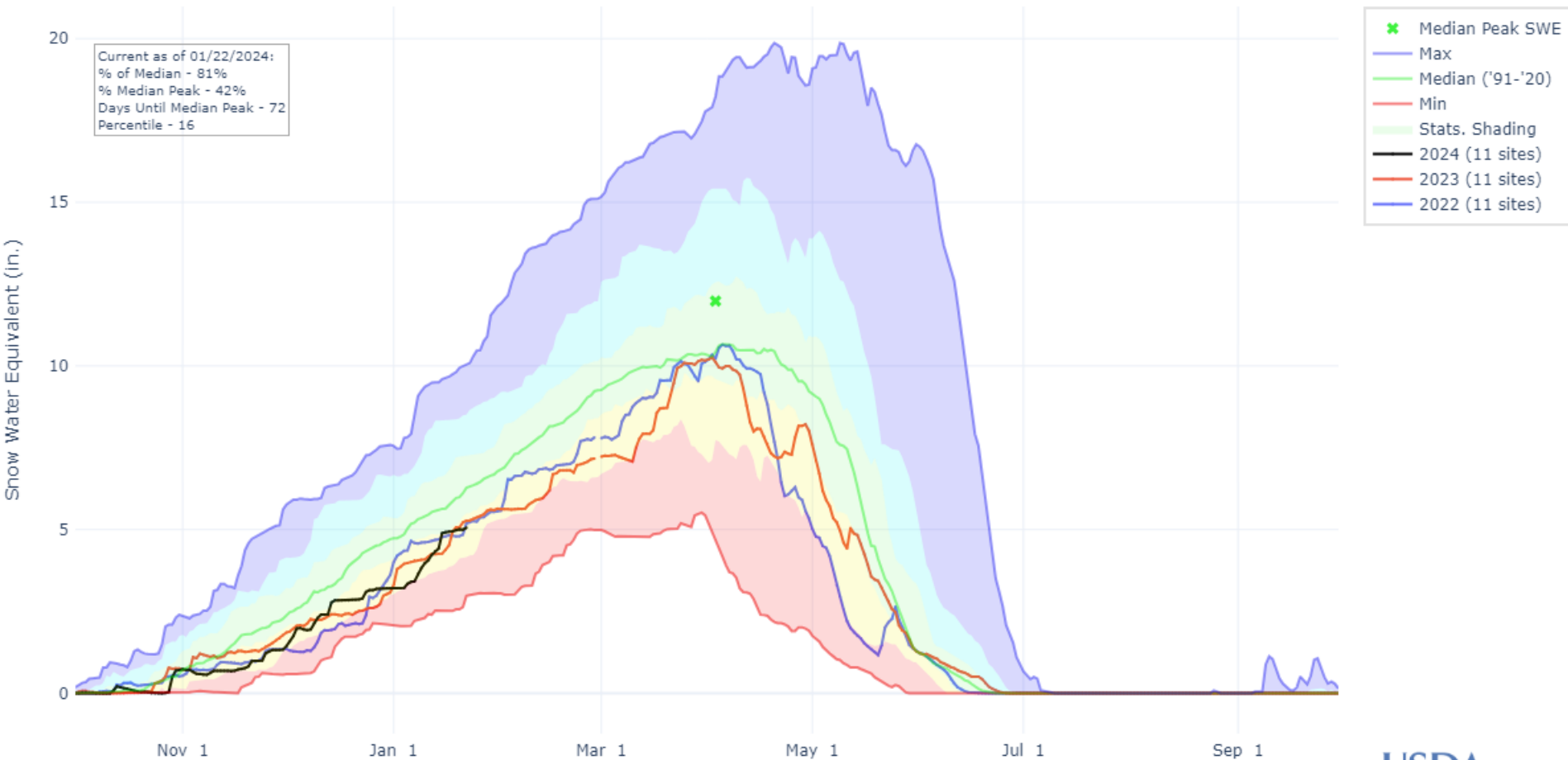
Arkansas River Basin



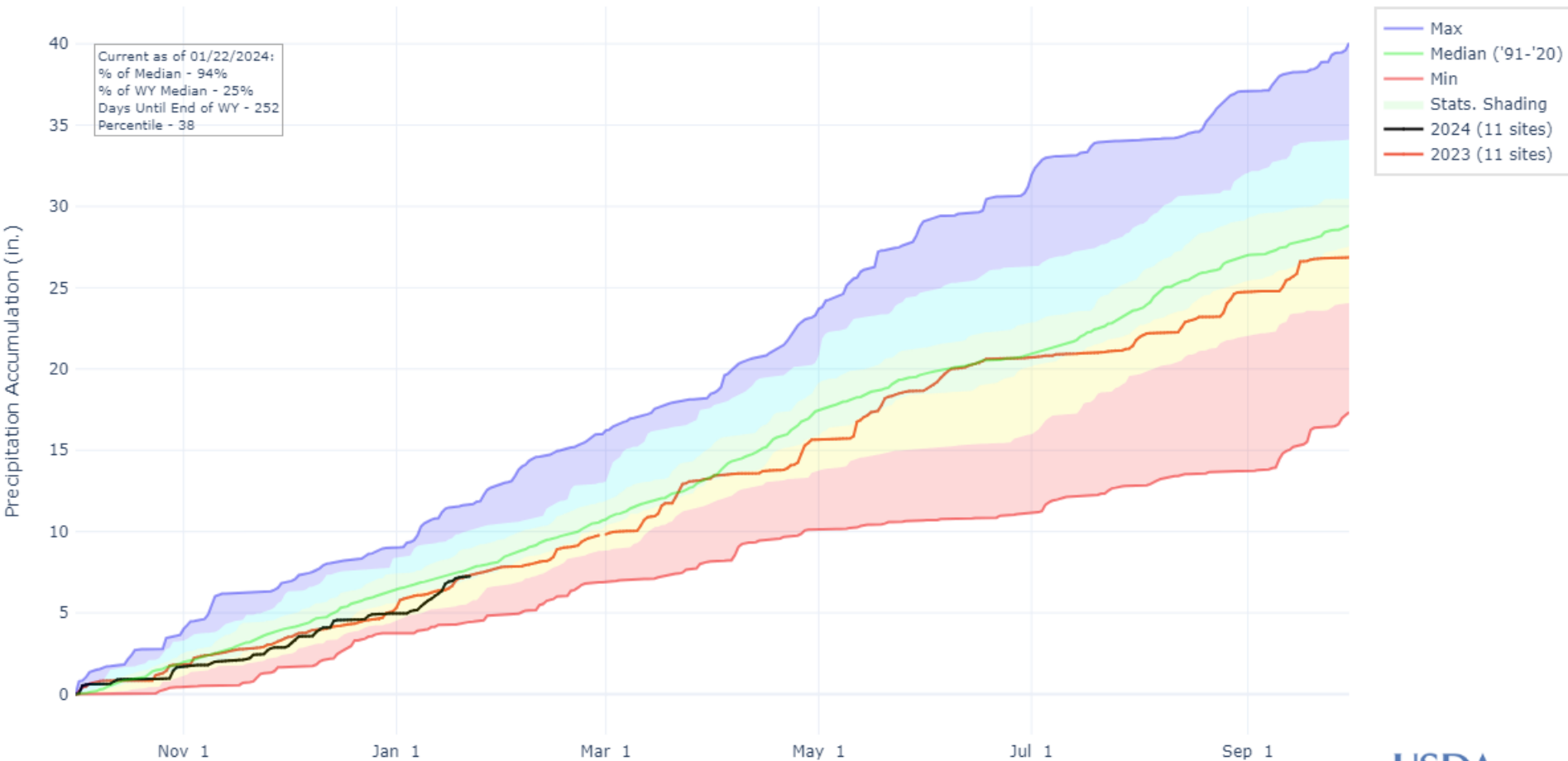
0 25 50 100 150 200 Miles



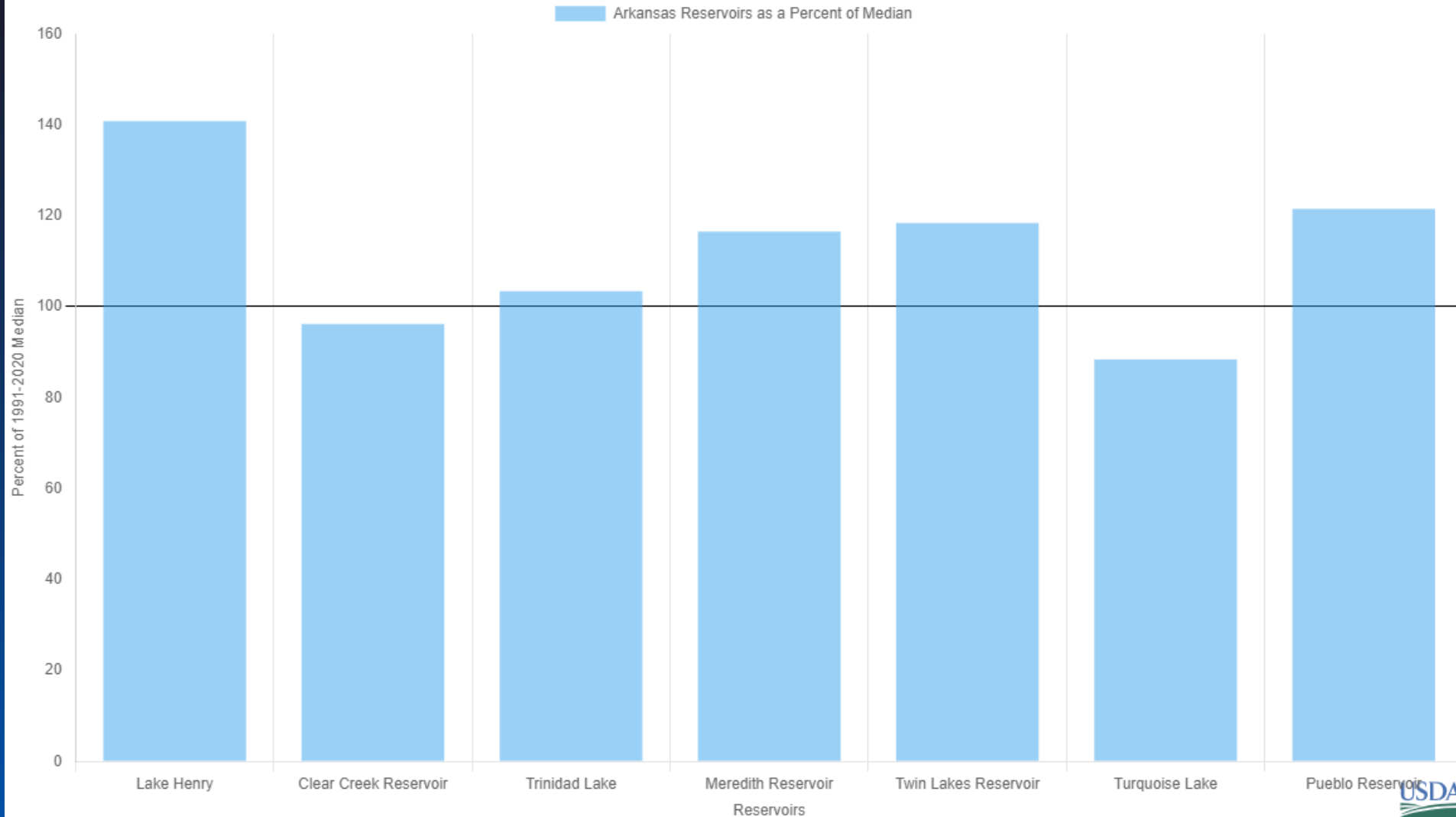
SNOW WATER EQUIVALENT IN ARKANSAS



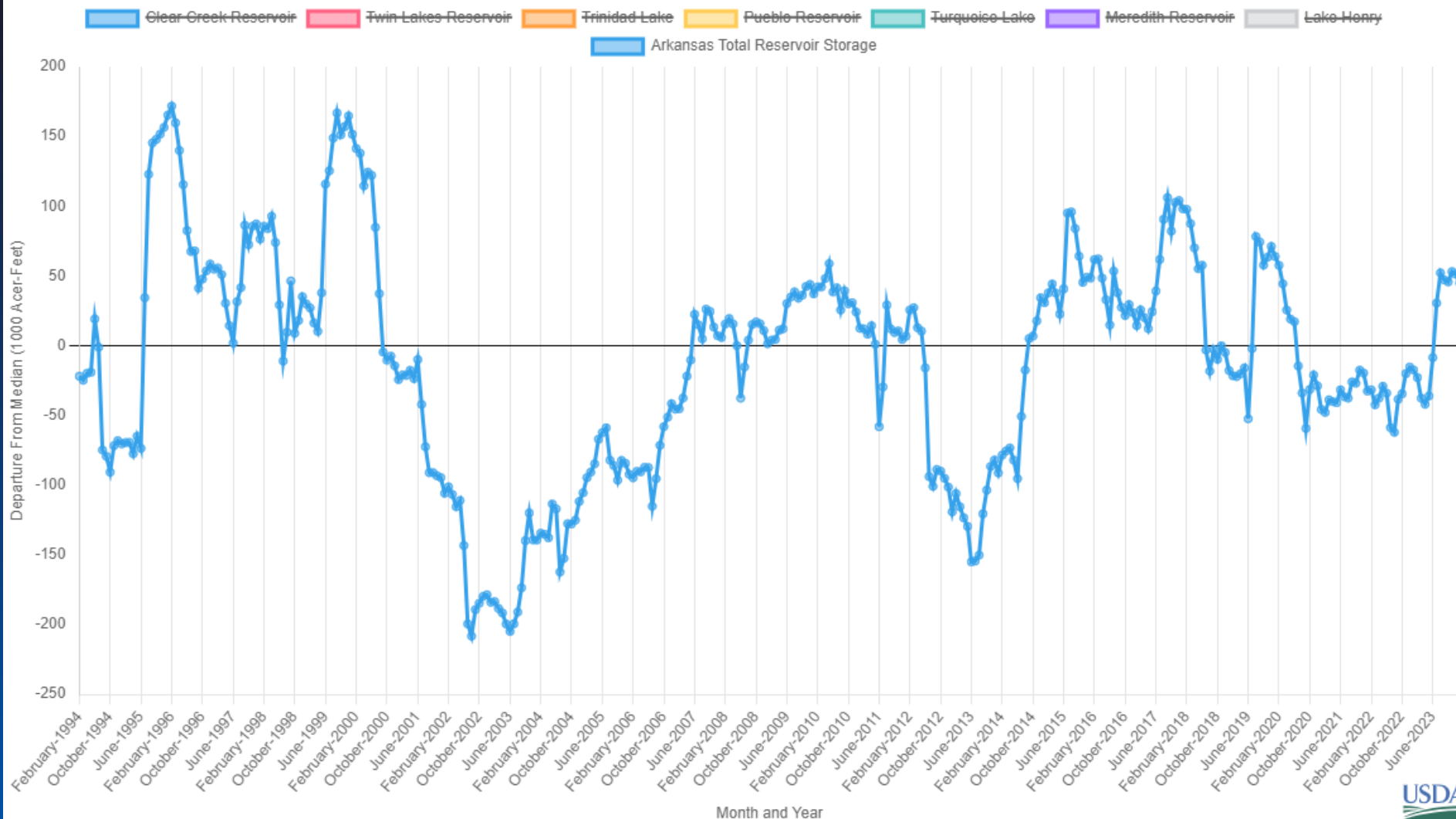
PRECIPITATION ACCUMULATION IN ARKANSAS

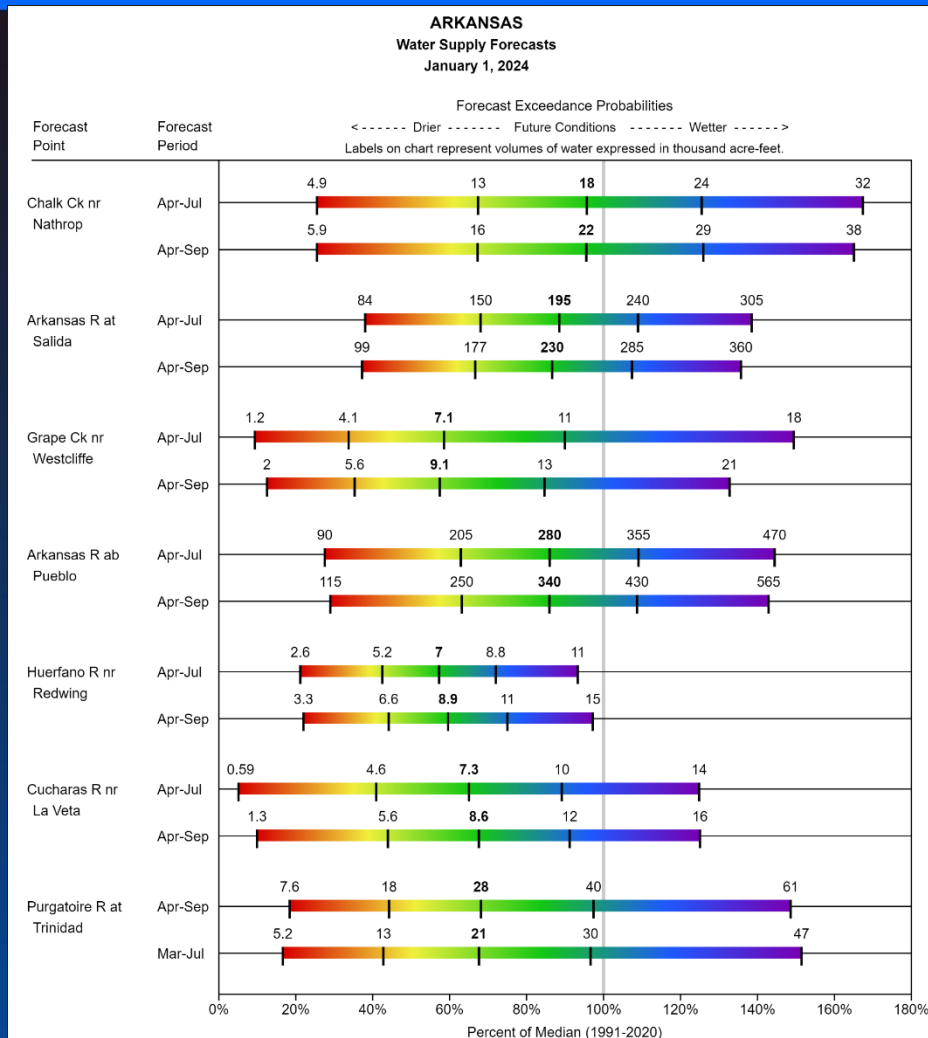


Arkansas Reservoir Storage Summary for January 1st 2024

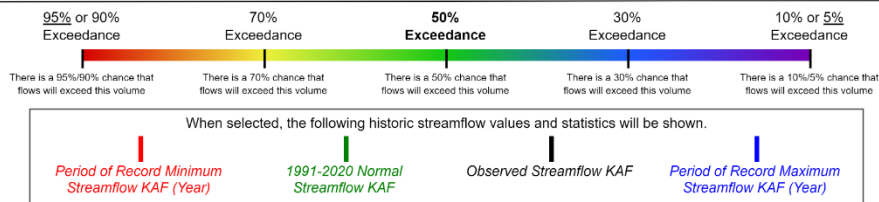


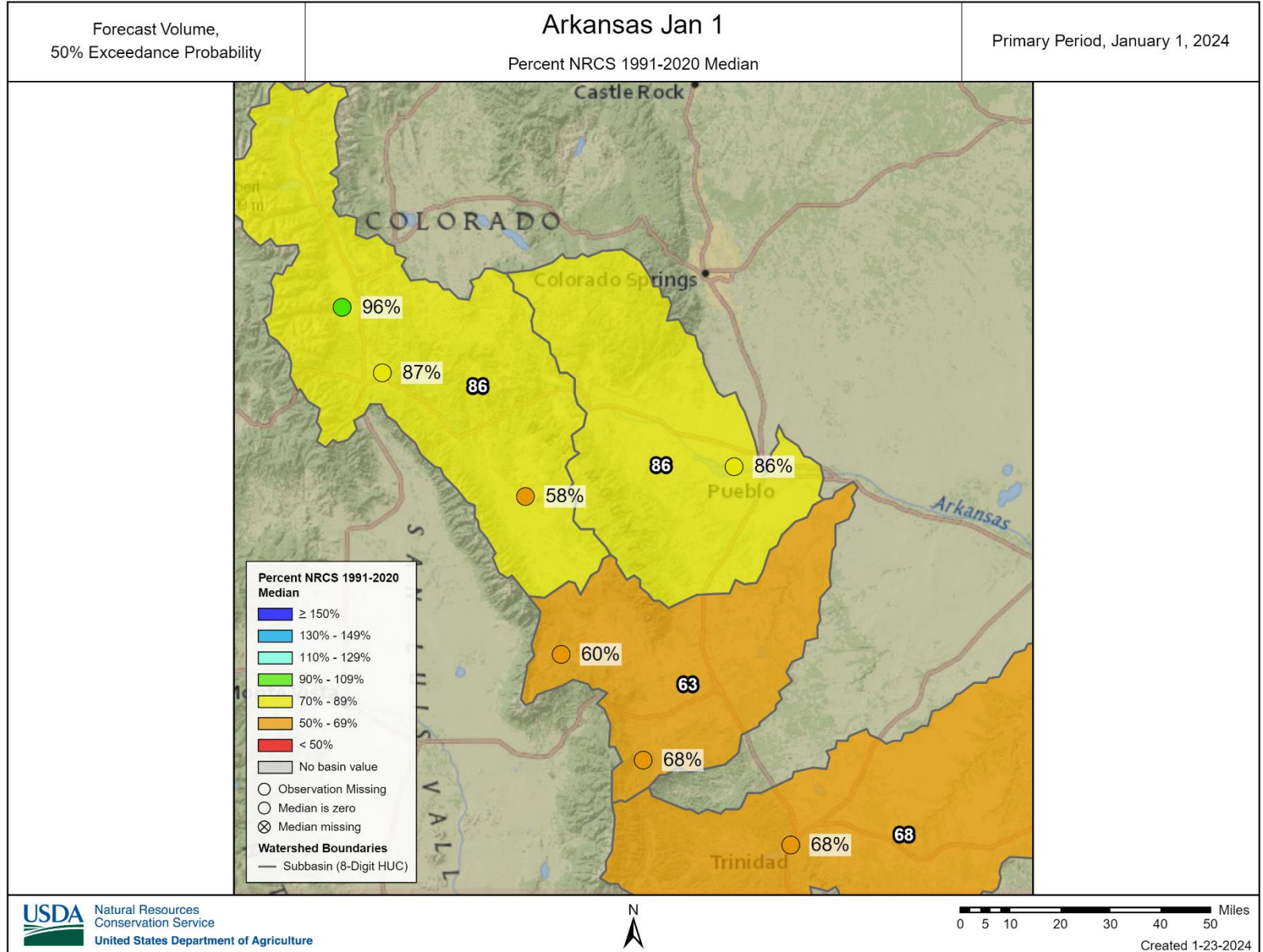
Arkansas Departure From Median Timeseries Plot





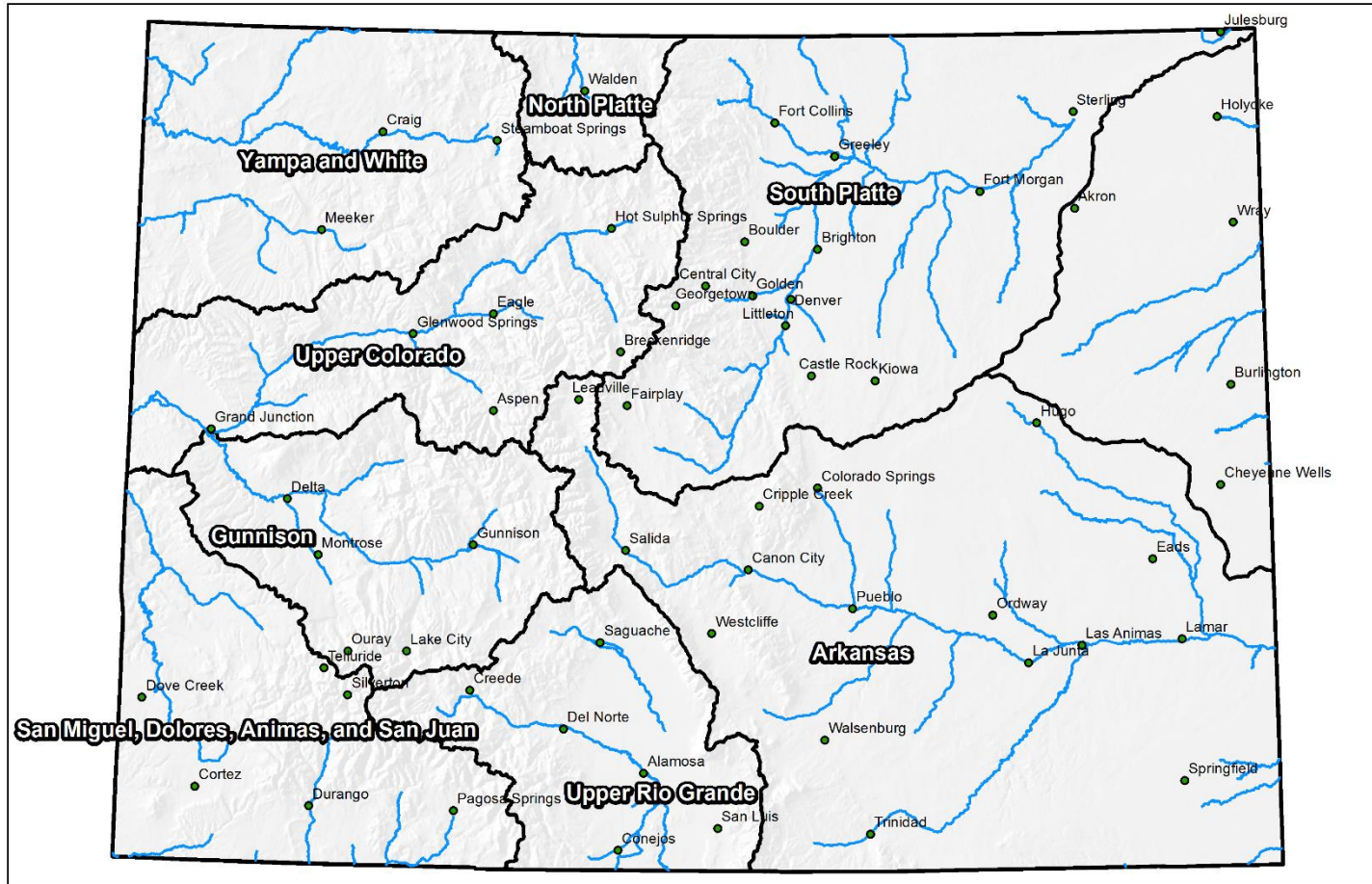
Legend





Colorado Statewide Summary

Colorado Major Basins



0 25 50 100 150 200 Miles

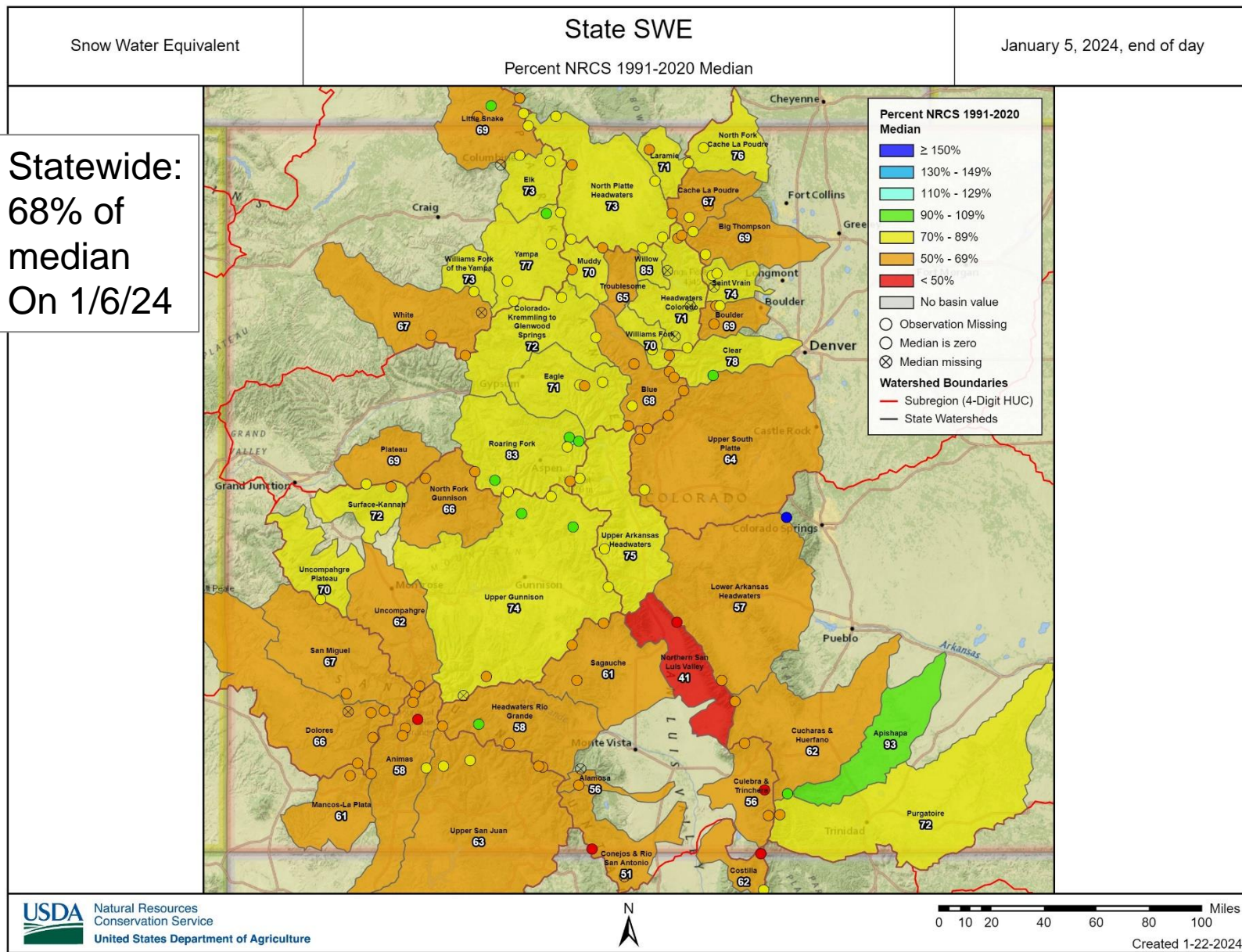


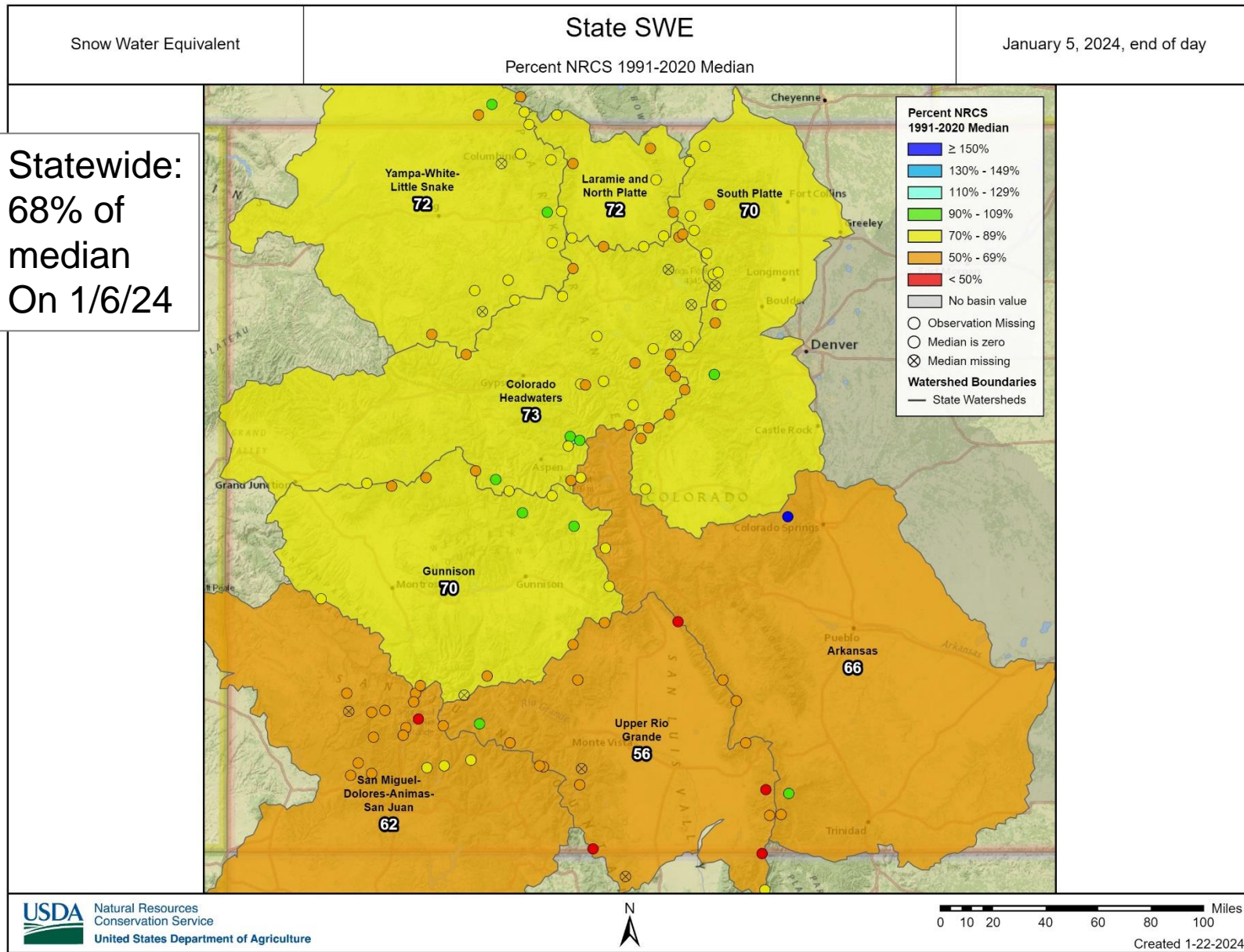
United States Department of Agriculture

Colorado Snow Surveys

Snowpack

Statewide:
68% of
median
On 1/6/24





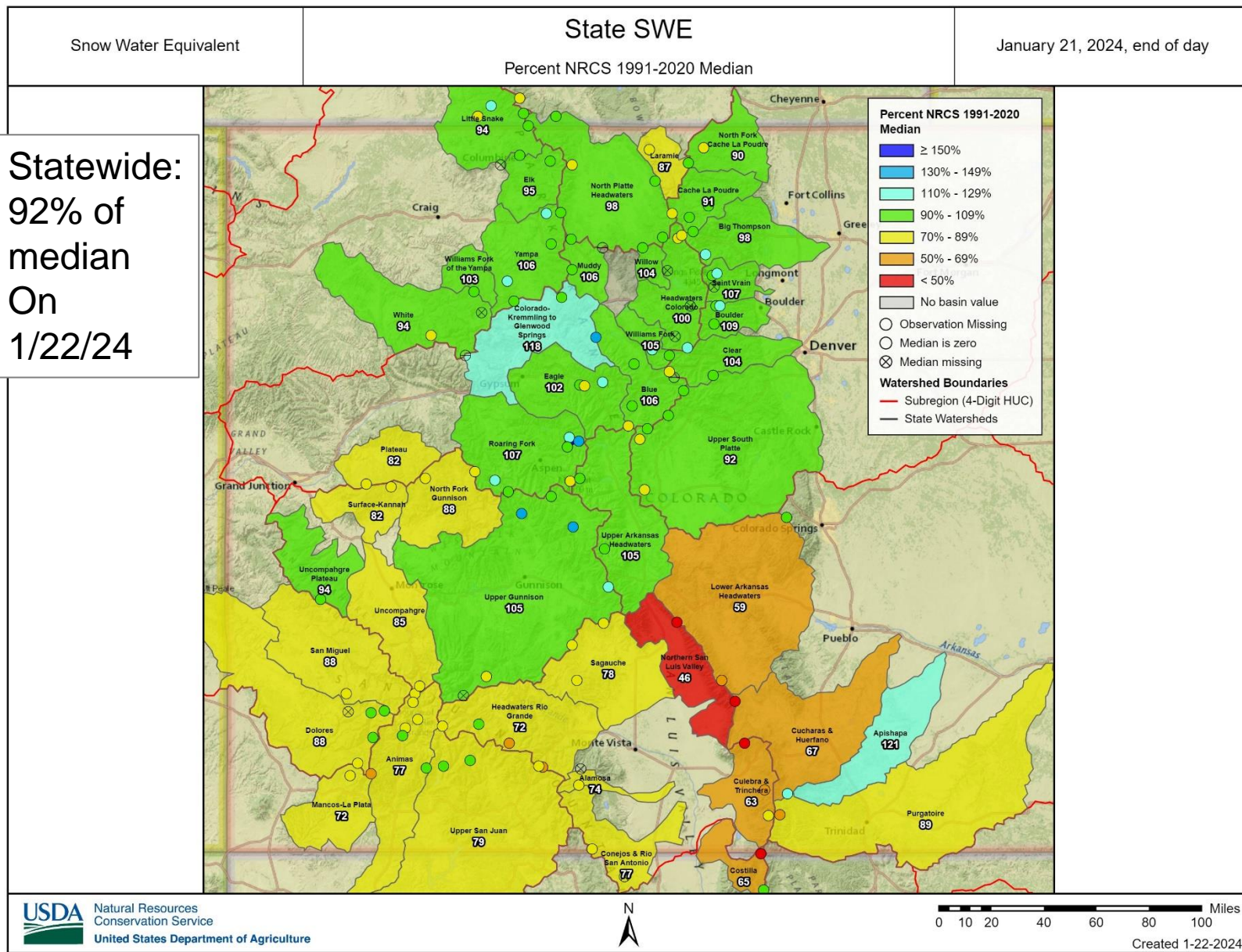


United States Department of Agriculture

Colorado Snow Surveys

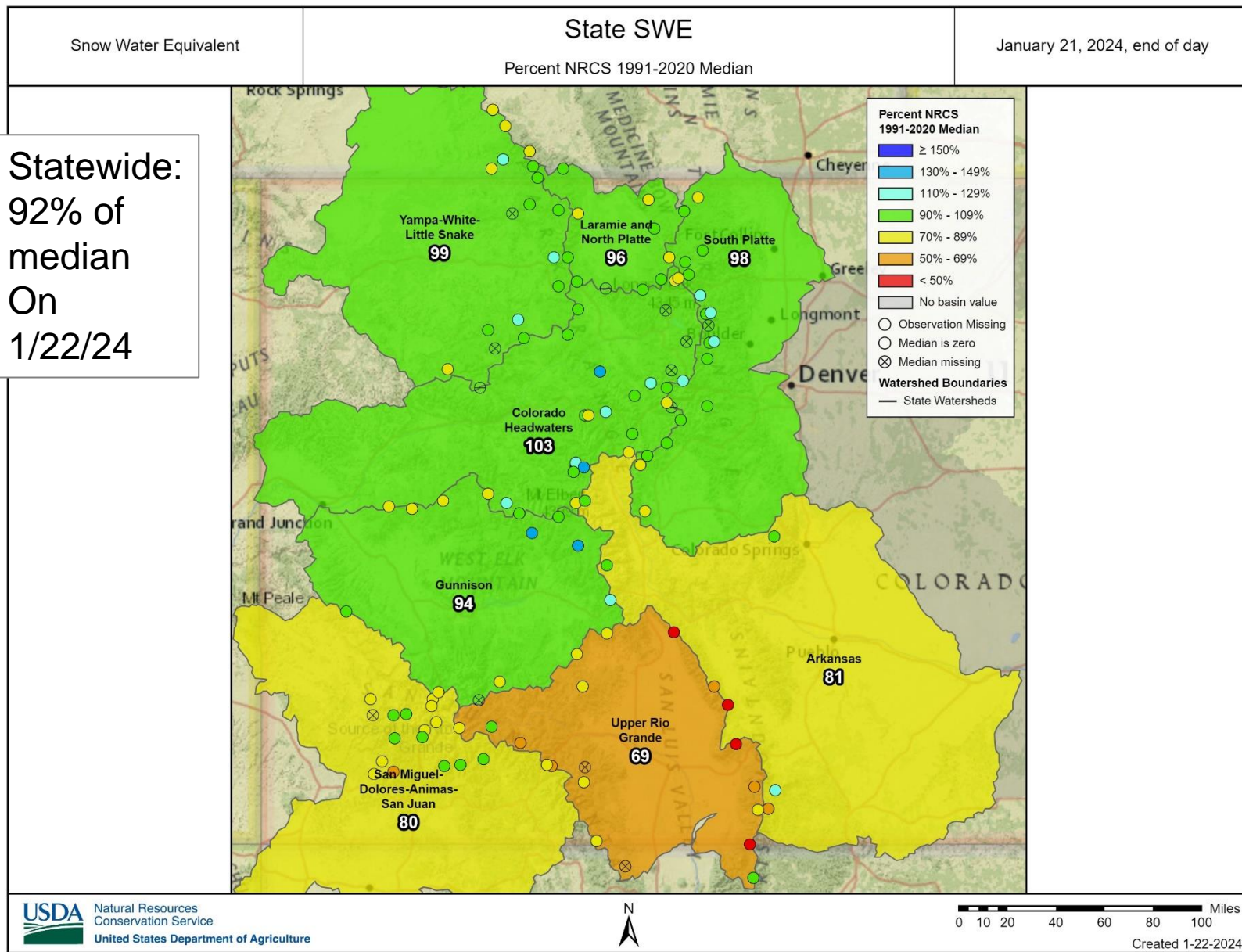
Snowpack

Statewide:
92% of
median
On
1/22/24

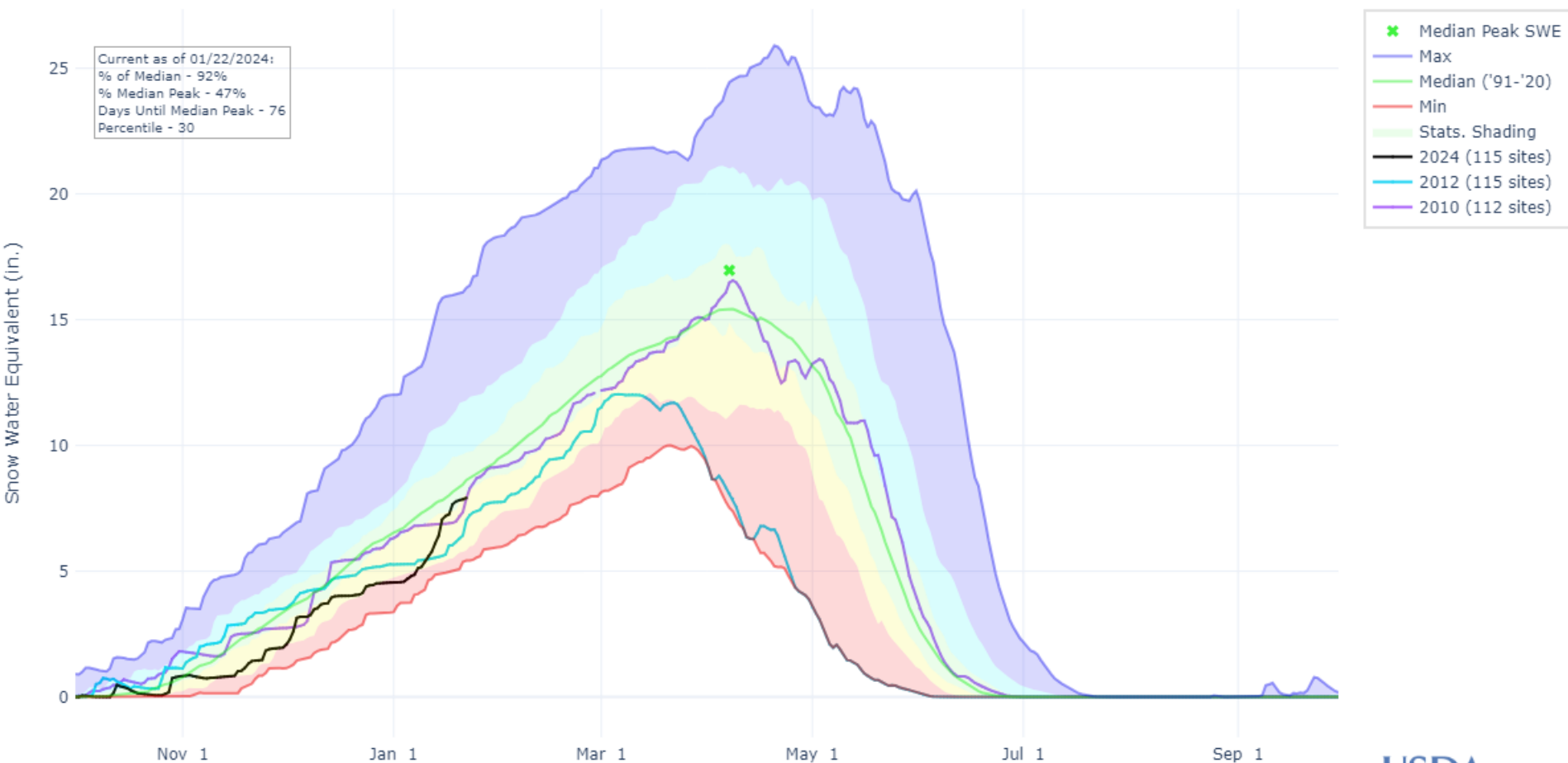




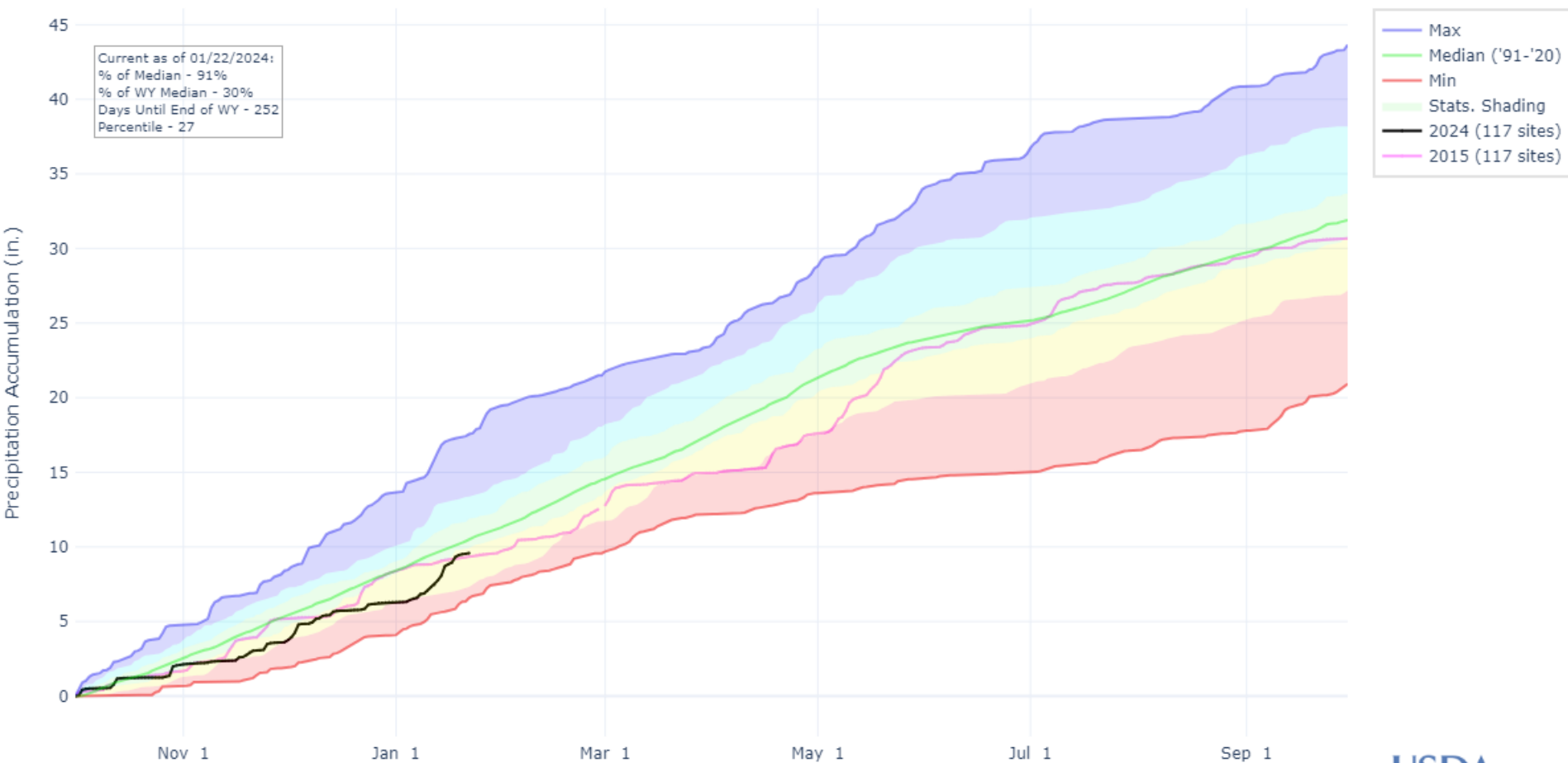
Statewide:
92% of
median
On
1/22/24



SNOW WATER EQUIVALENT IN STATE OF COLORADO



PRECIPITATION ACCUMULATION IN STATE OF COLORADO

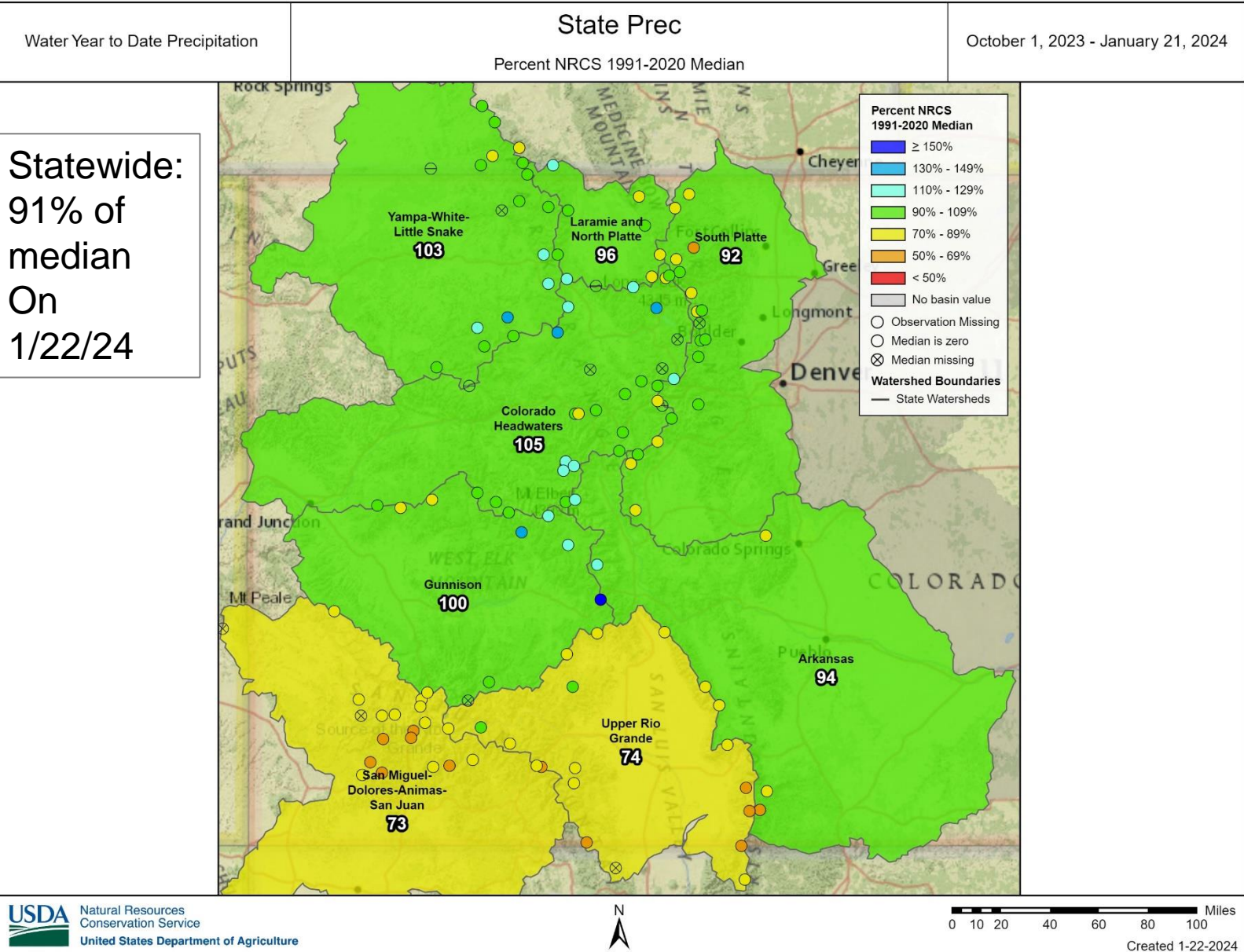




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WY Precipitation

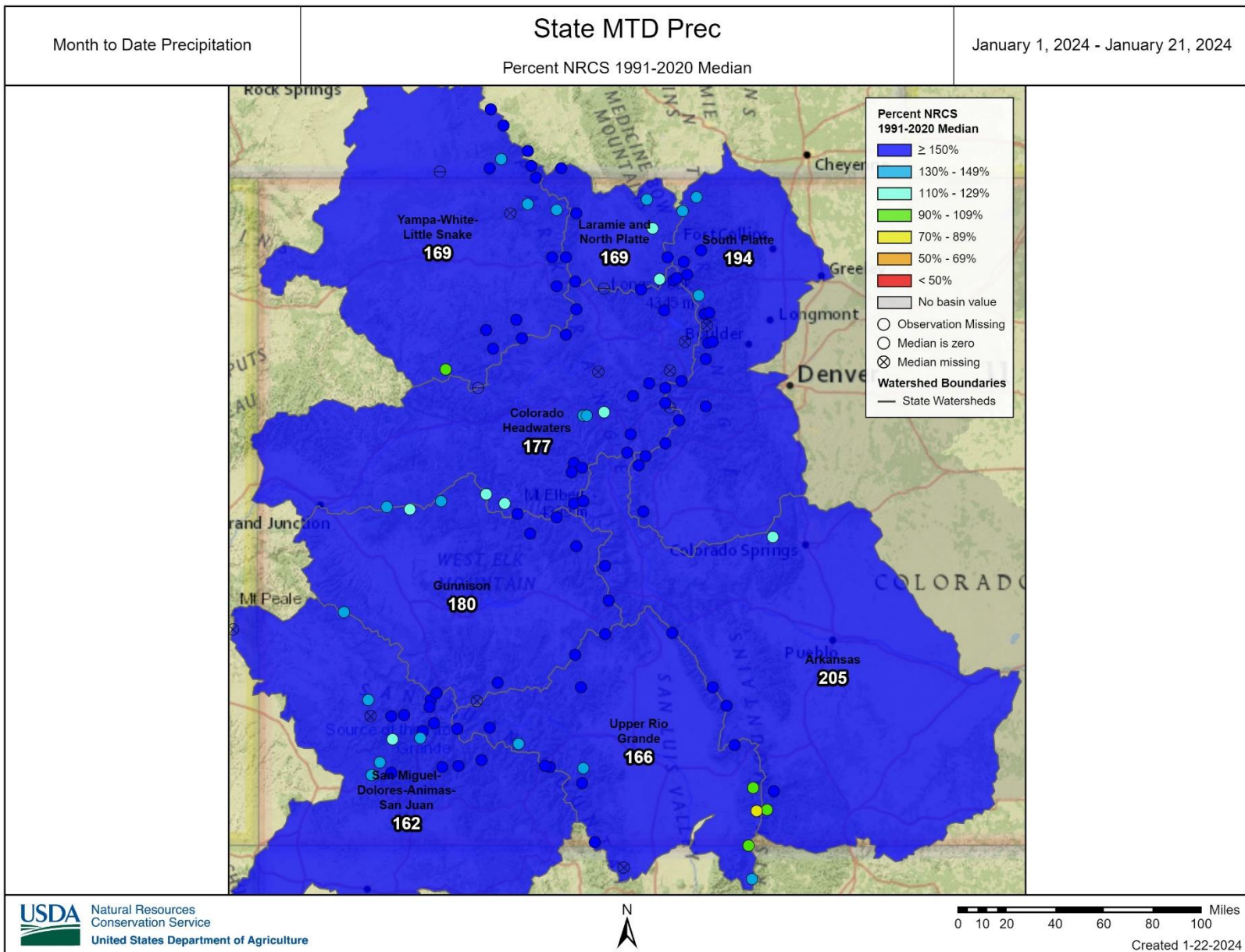




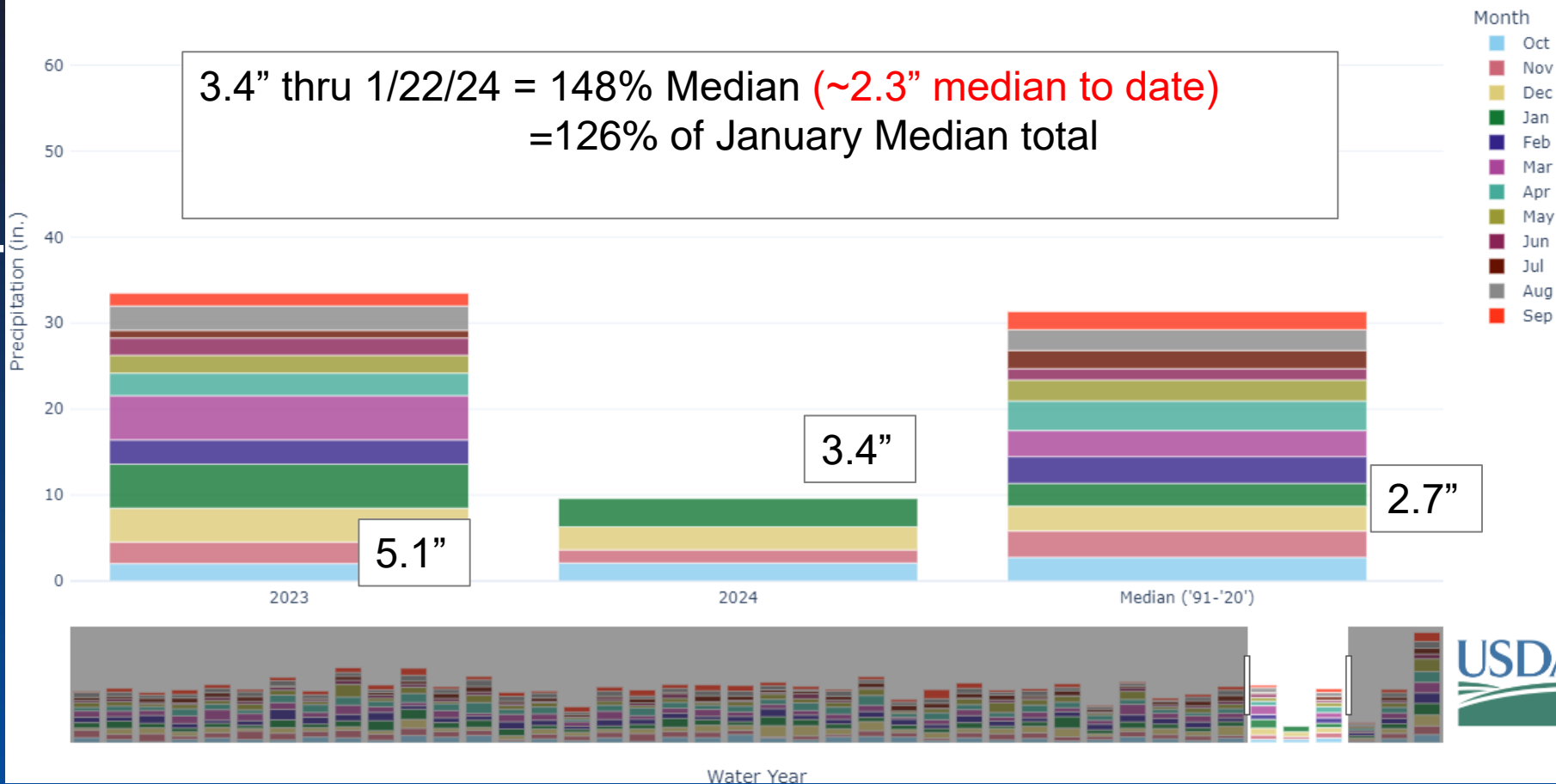
United States Department of Agriculture

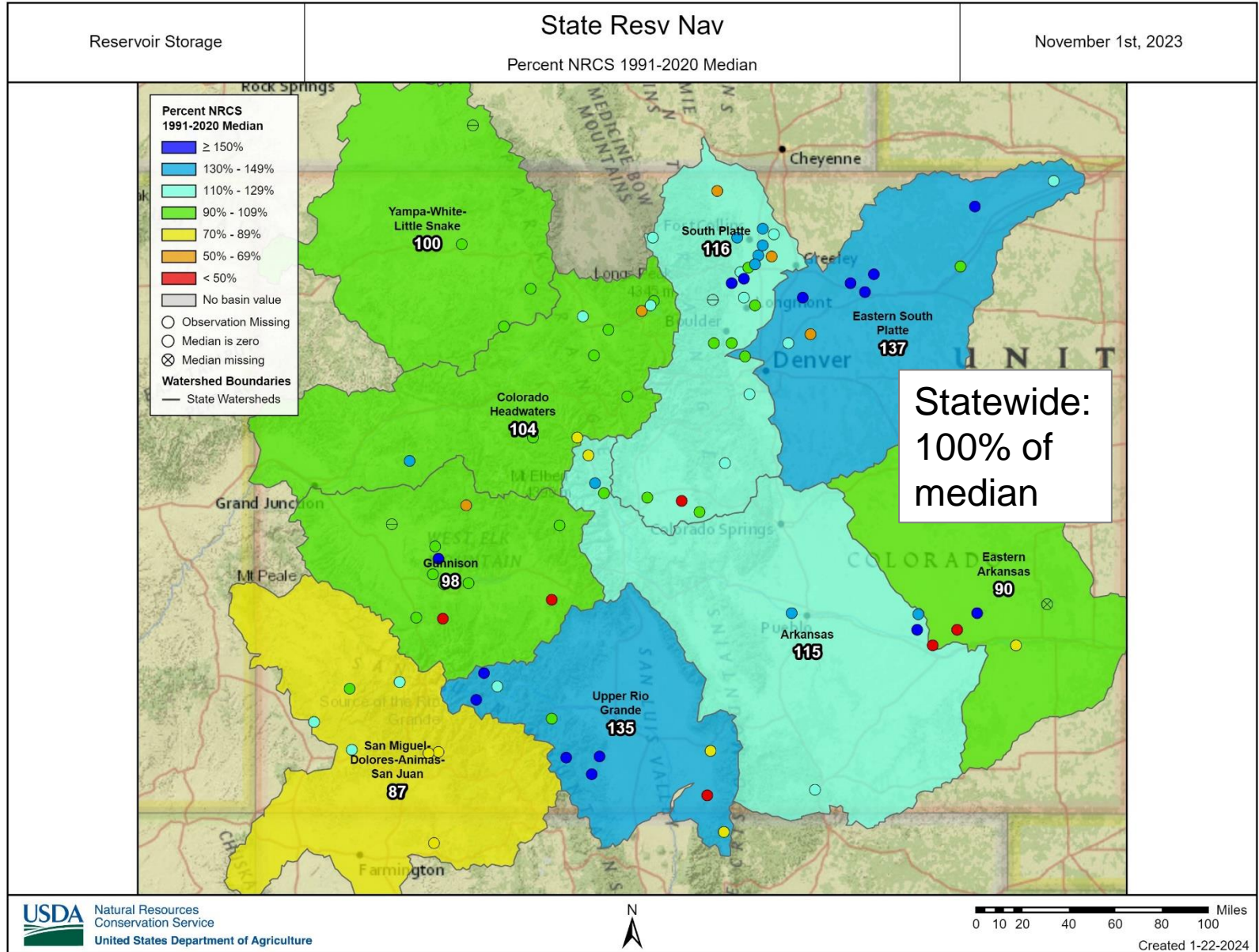
Colorado Snow Surveys

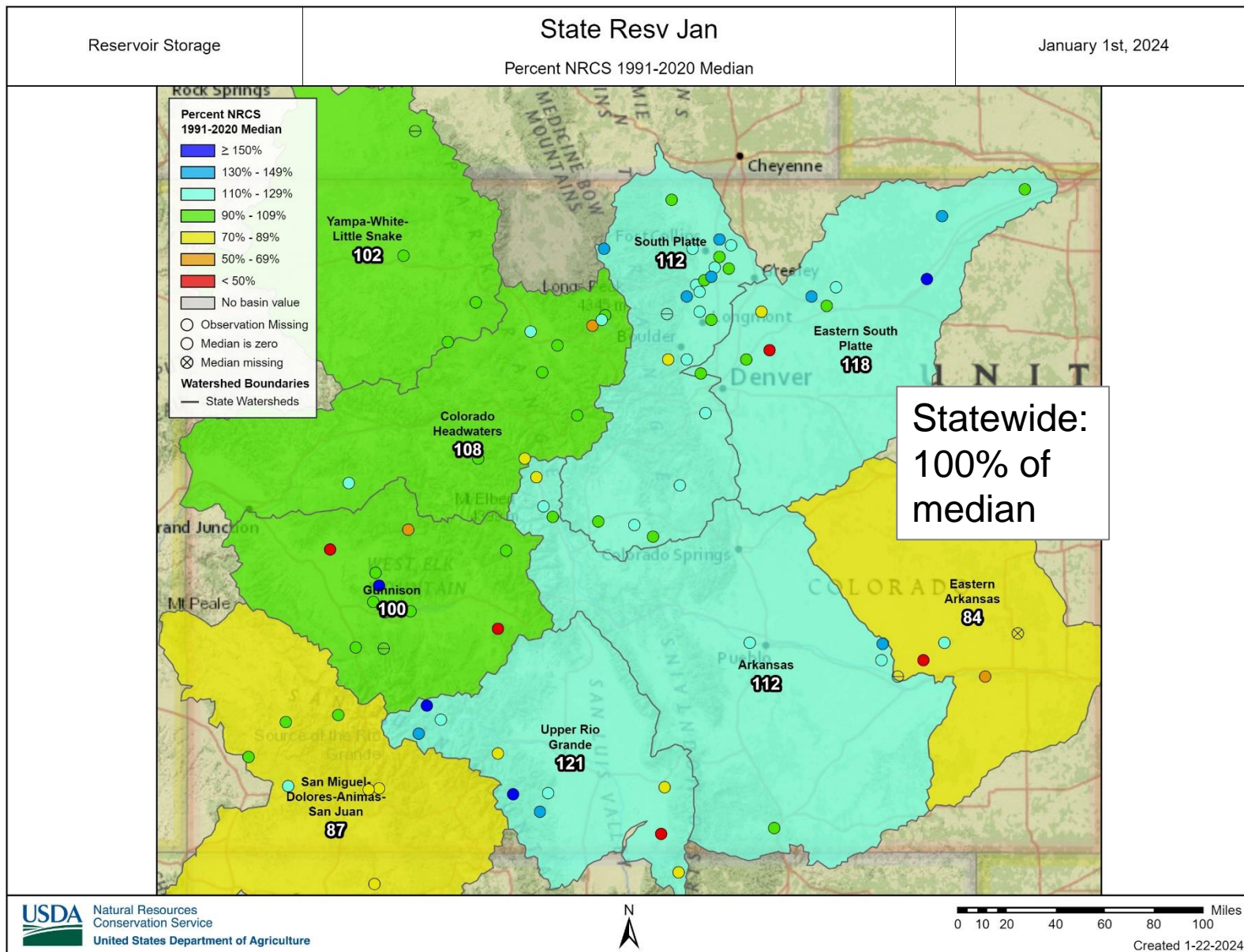
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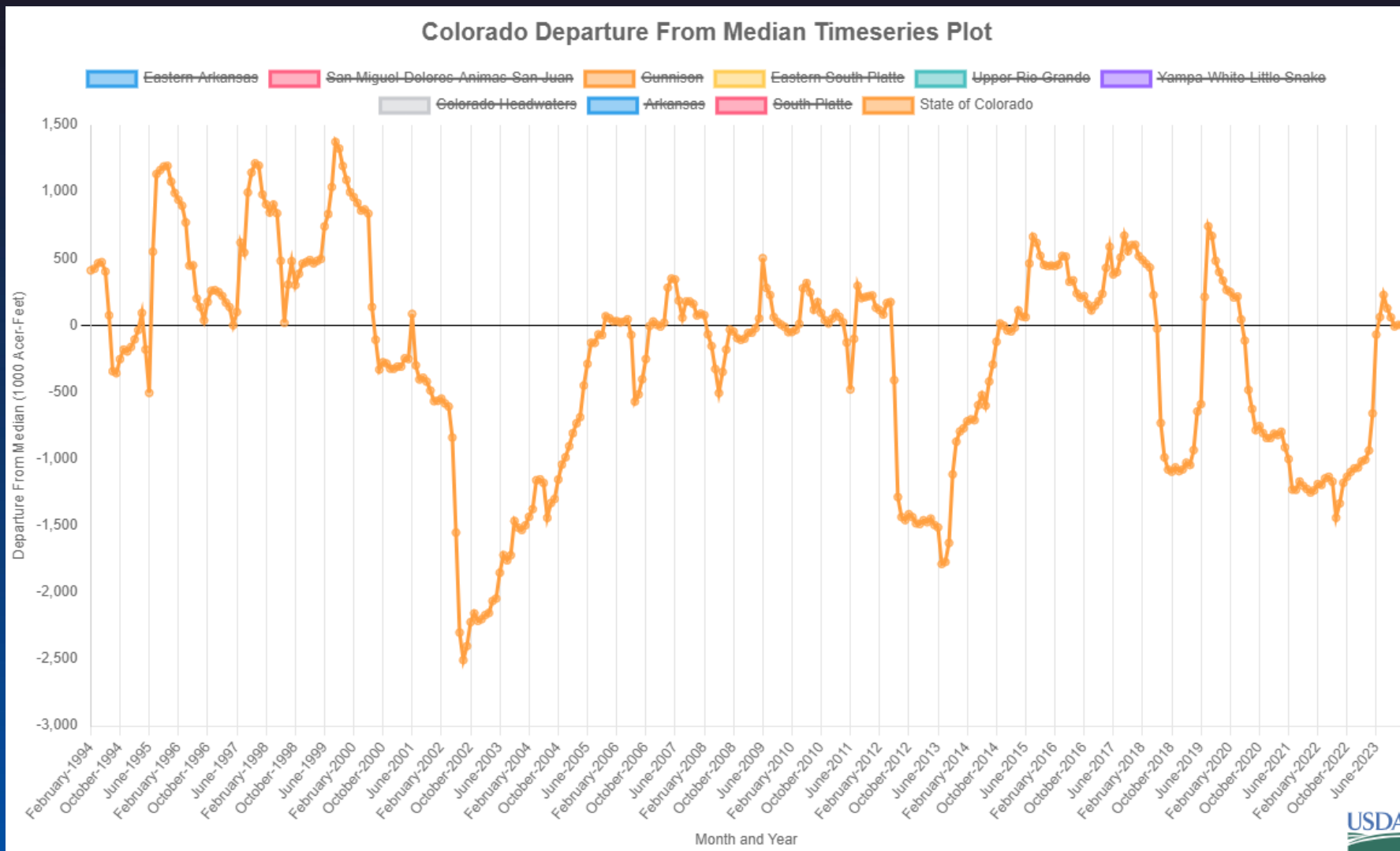


STATE OF COLORADO MONTHLY PRECIPITATION SUMMARY

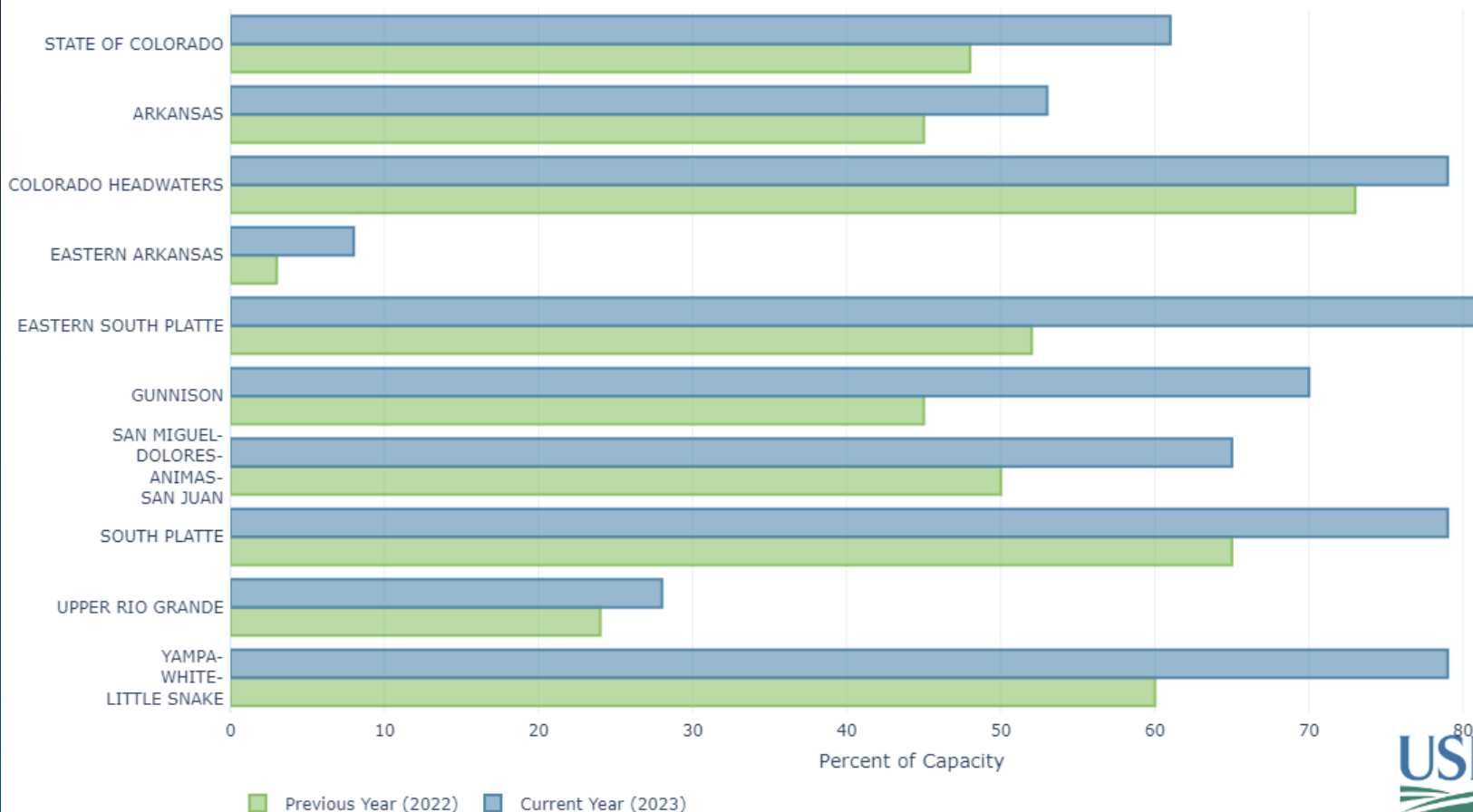




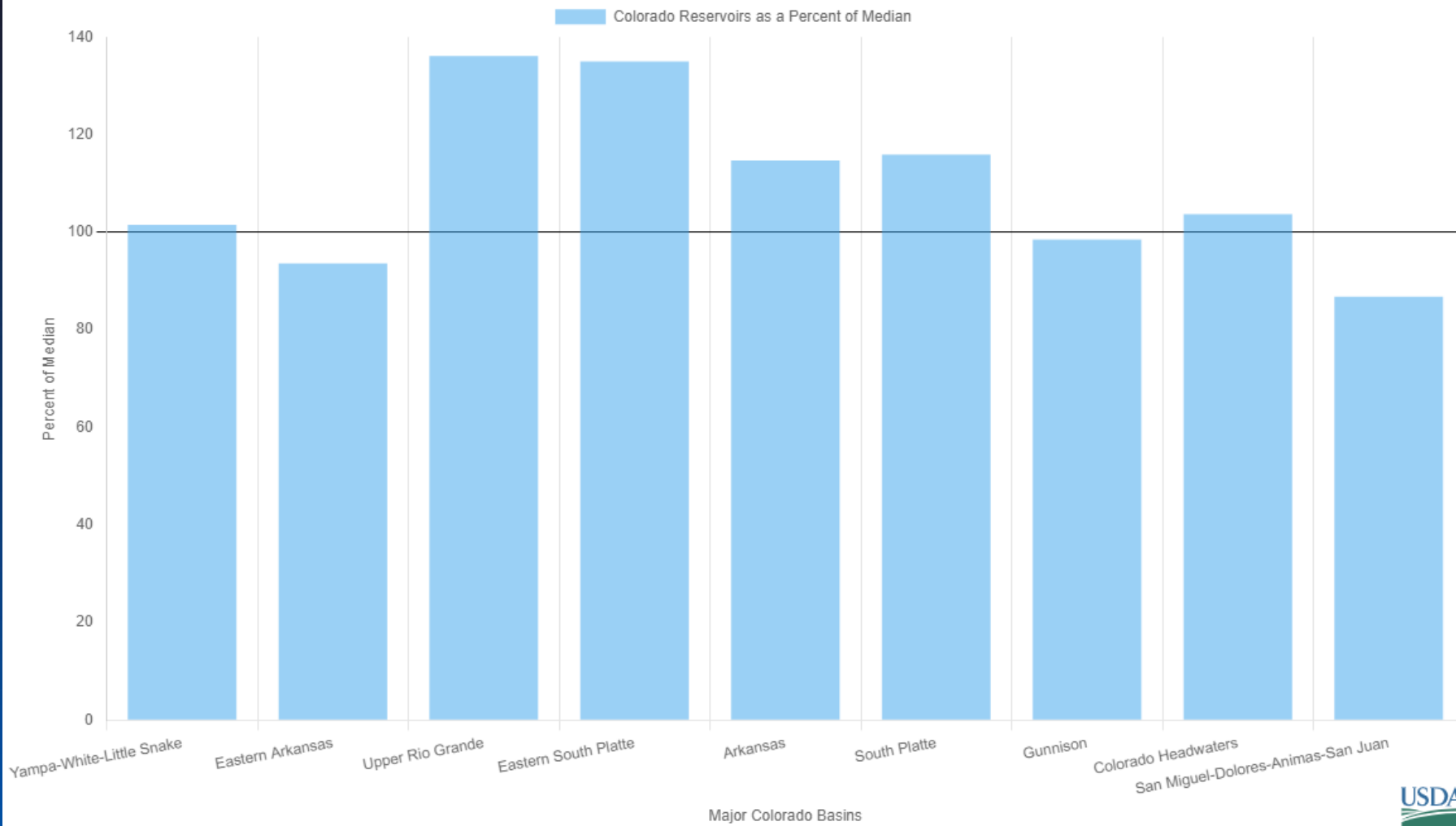




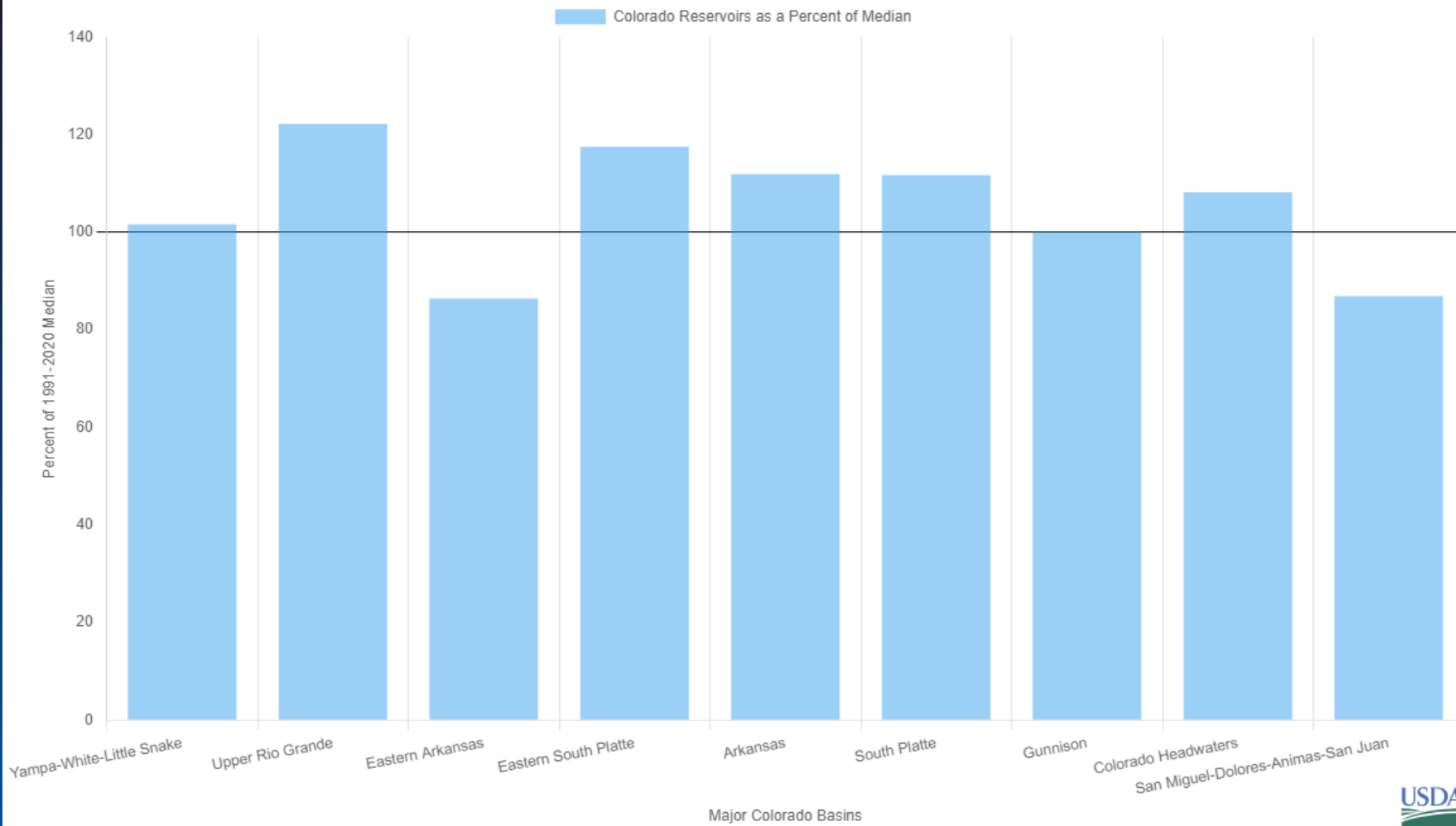
RESERVOIR STORAGE IN COLORADO
END OF DECEMBER 2023

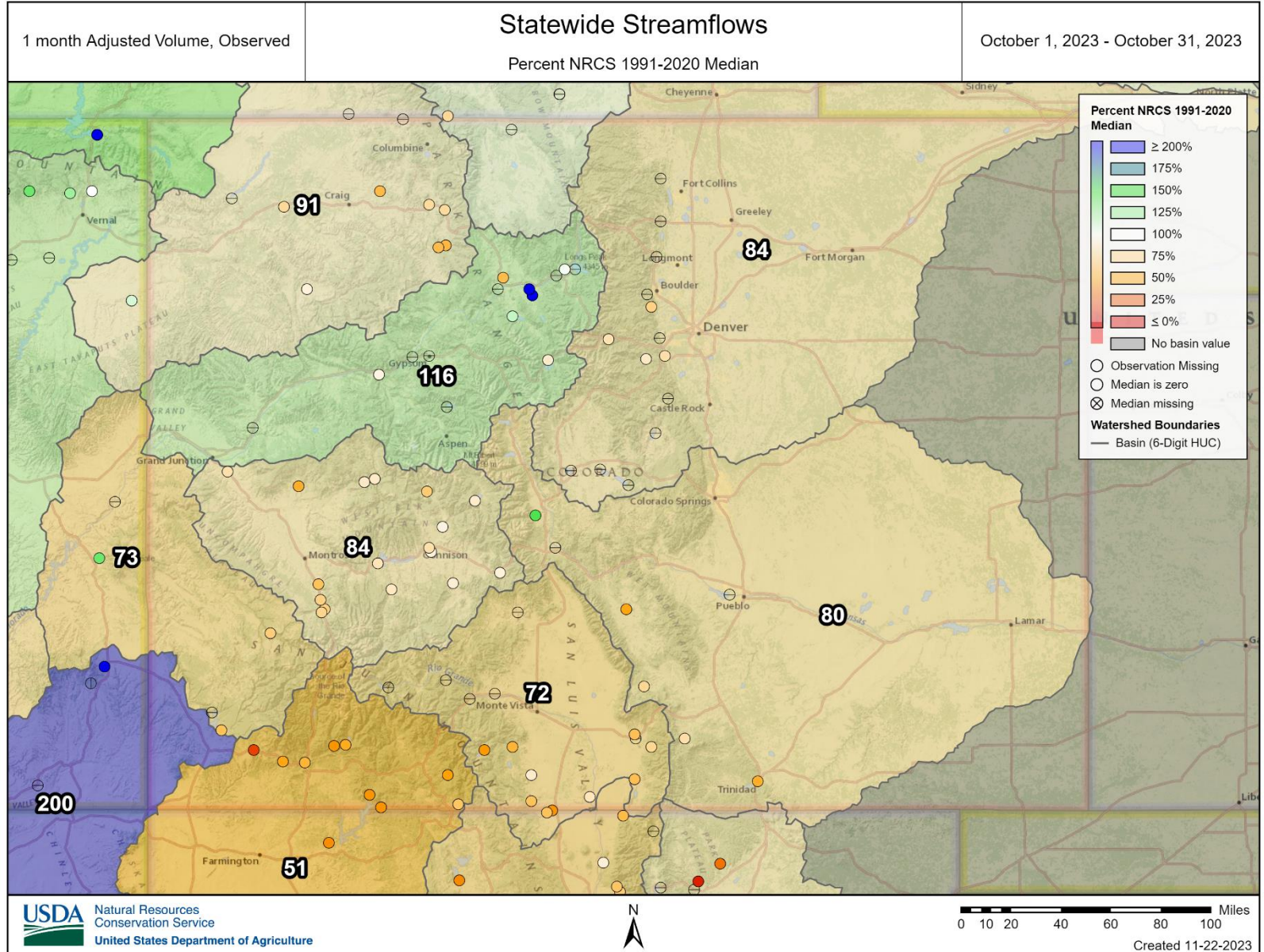


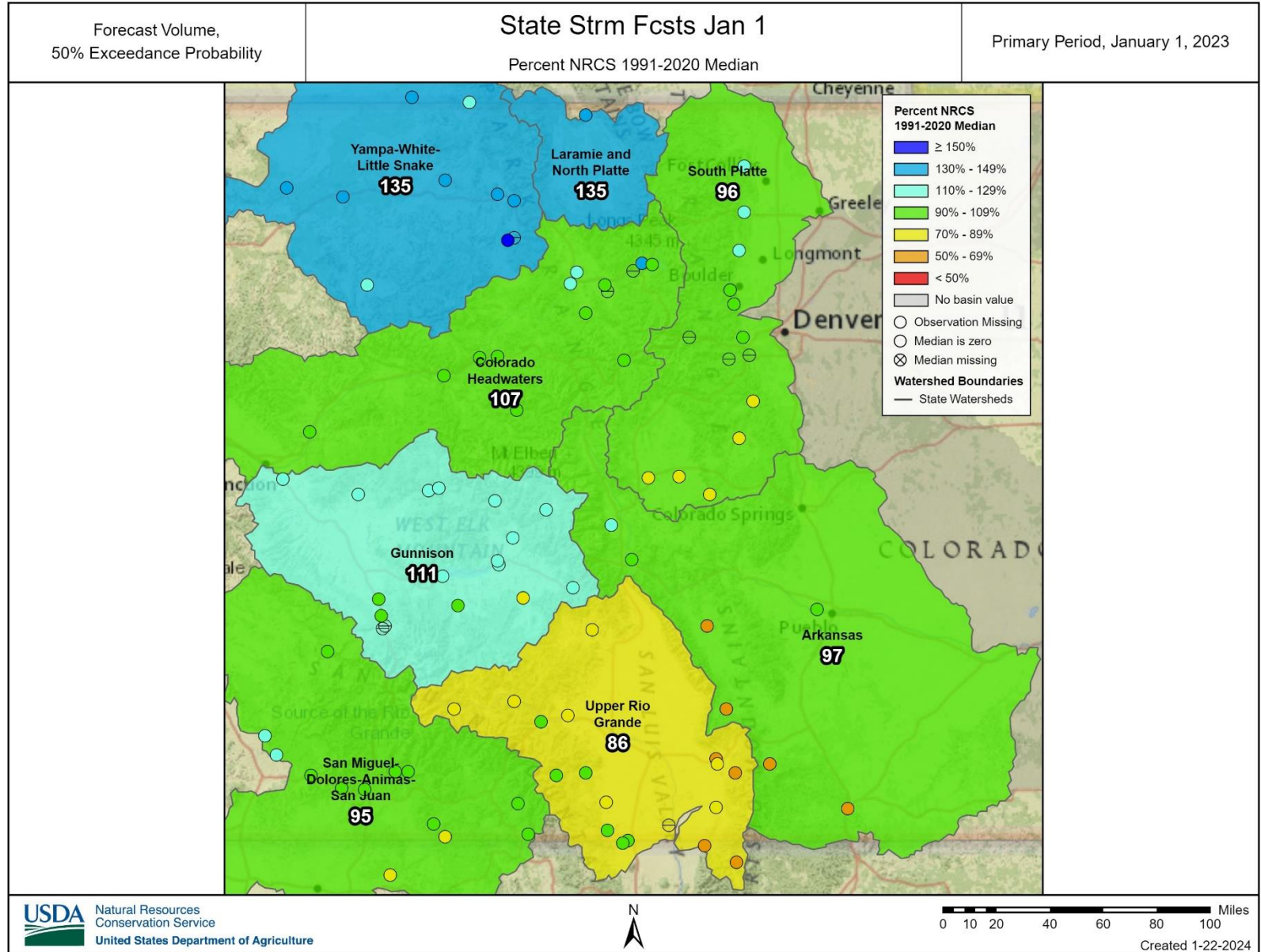
Colorado Reservoir Storage Summary for November 1st 2023



Colorado Reservoir Storage Summary for January 1st 2024







Summary

- Statewide snowpack is 92% of median. Early January 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 50% of it's median annual peak snowpack.
- Statewide reservoir storage is 100% of median
- Statewide precipitation is 91% of median. Ranging from 74% in the SMDASJ to 105% in the Upper Colorado.



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United States Department of Agriculture

Colorado Snow Surveys

Water Conditions Monitoring Committee Meeting January 23rd, 2024

NRCS Snow Survey and Water Supply Forecasting Program

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