

# Water Availability Task Force Meeting January 18<sup>th</sup>, 2023

# NRCS Snow Survey and Water Supply Forecasting Program

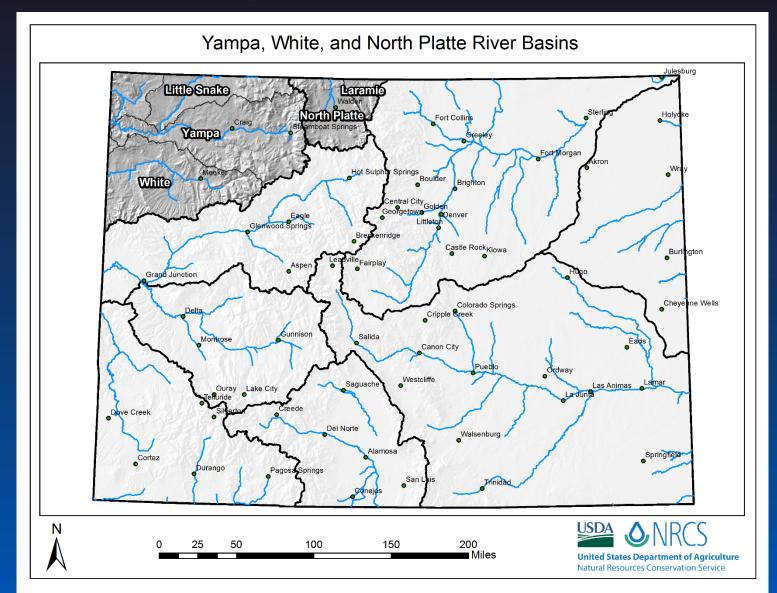
Karl Wetlaufer Hydrologist Karl.Wetlaufer@usda.gov 720-544-2853 http://www.nrcs.usda.gov/wps/portal/nrcs/main/co/snow/



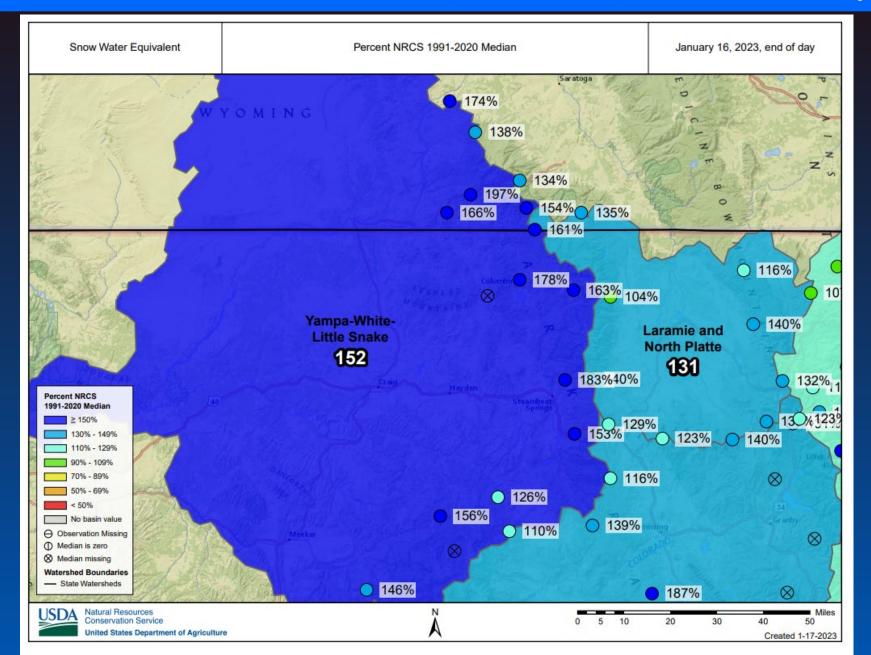
USDA

#### **Colorado Snow Surveys**

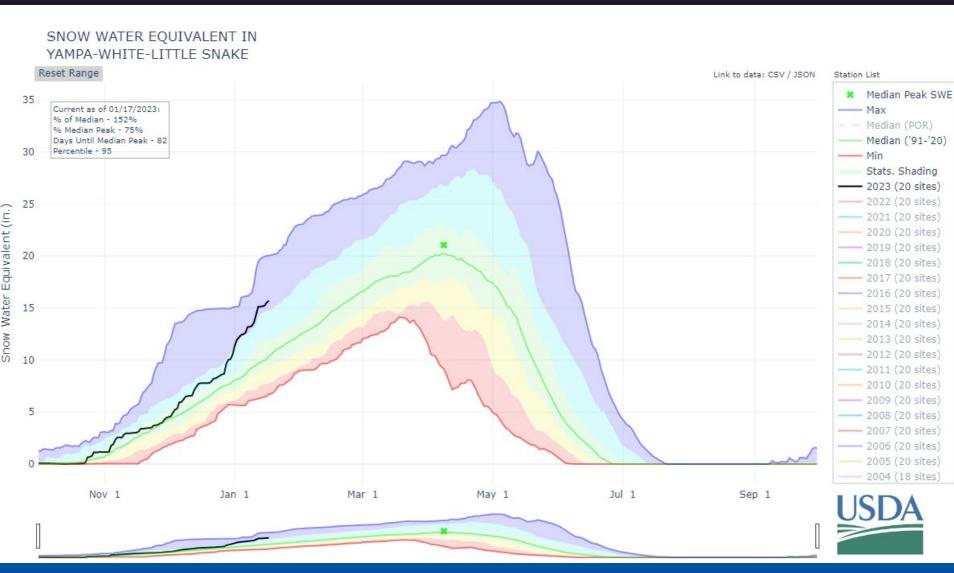
# Major Basin Summary



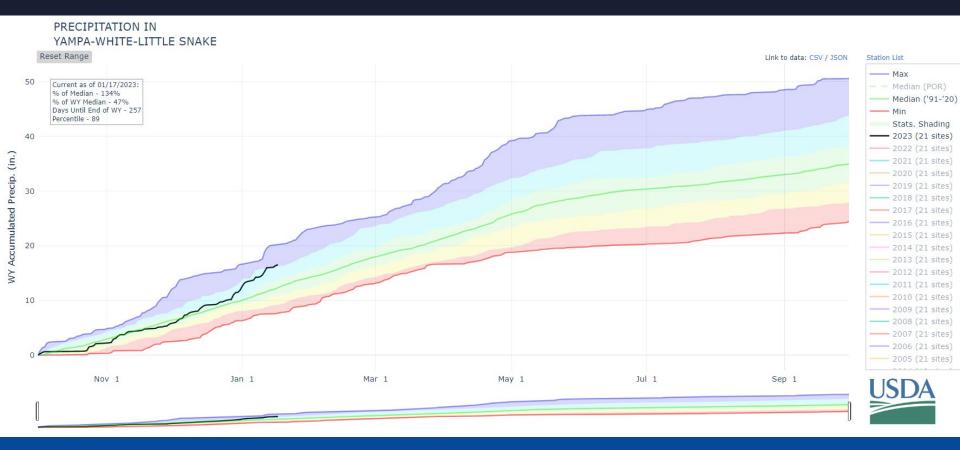




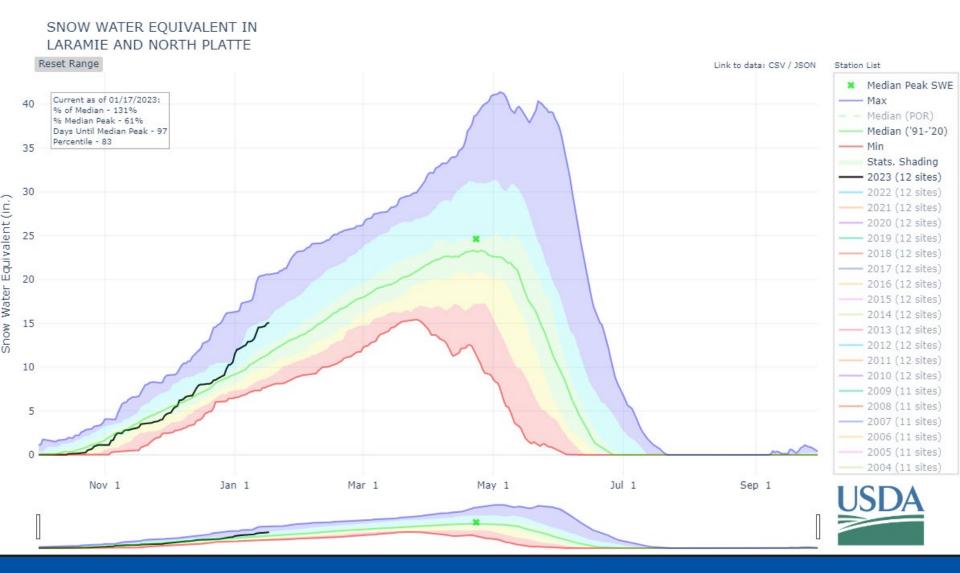




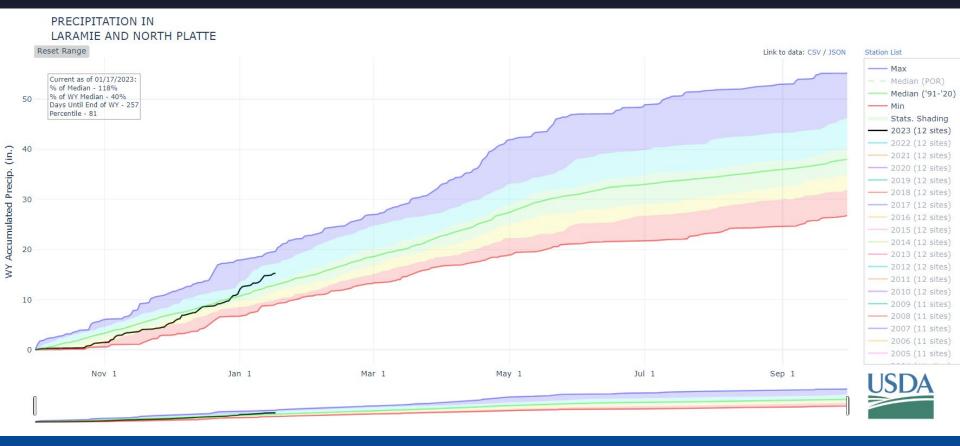




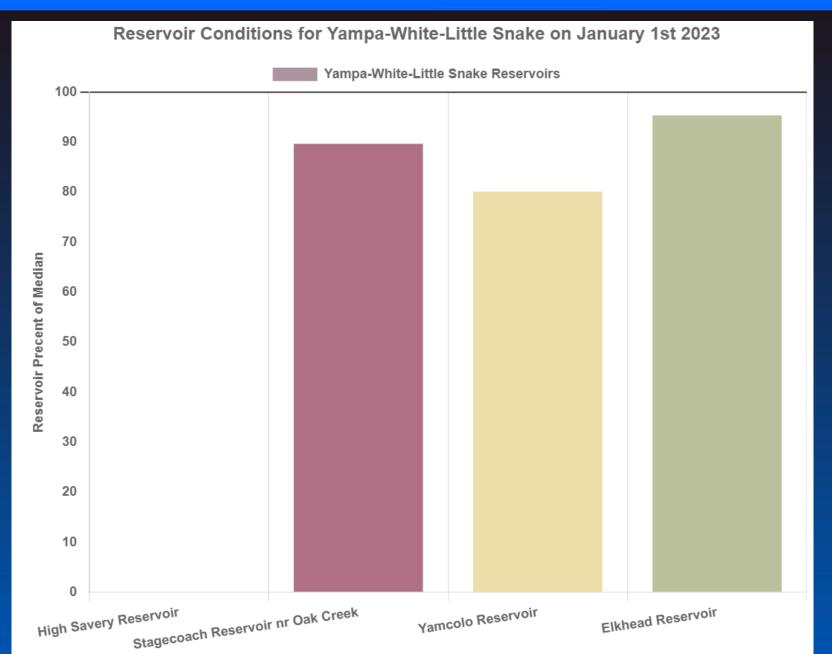








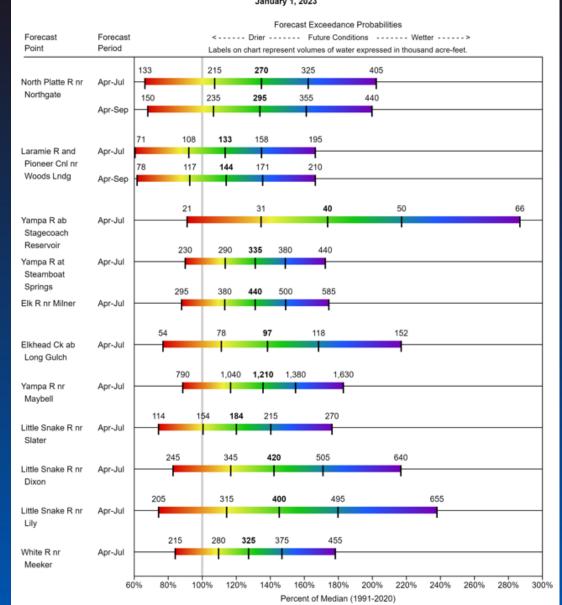




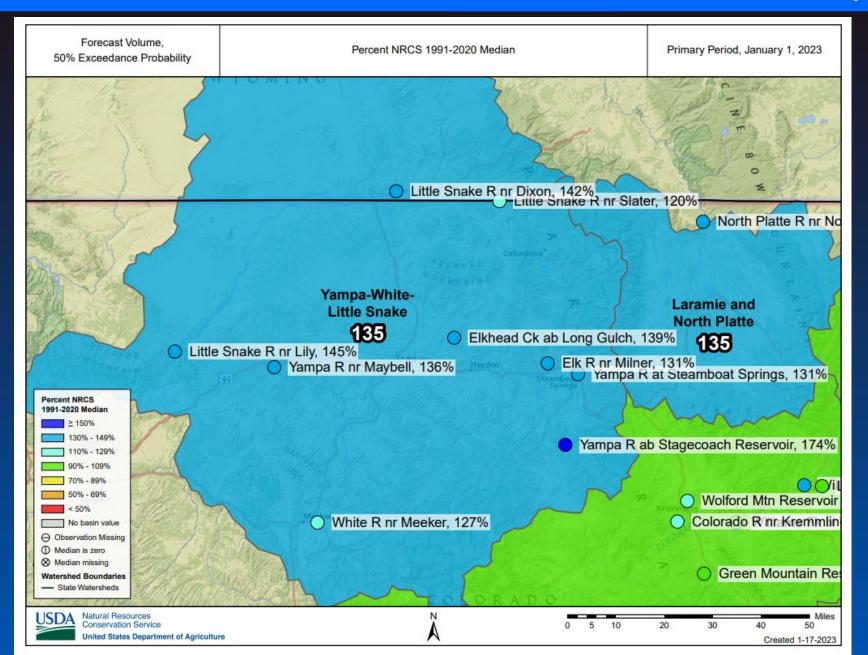
JSDA

#### **Colorado Snow Surveys**

#### YAMPA-WHITE-NORTH PLATTE RIVER BASINS Water Supply Forecasts January 1, 2023





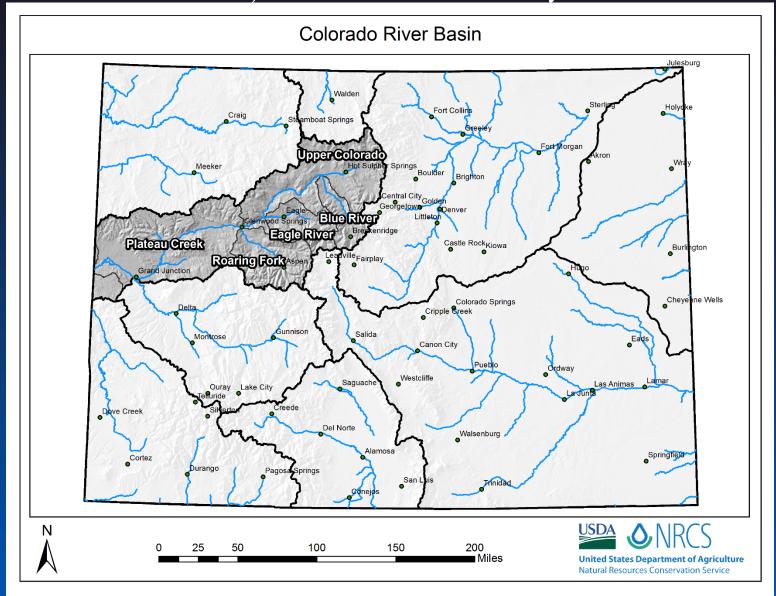




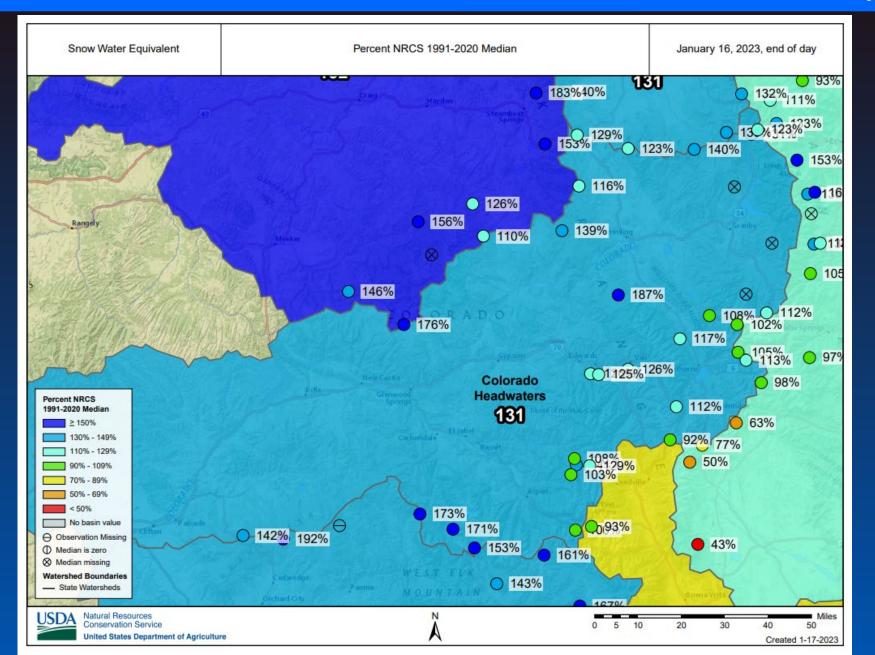
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#### **Colorado Snow Surveys**

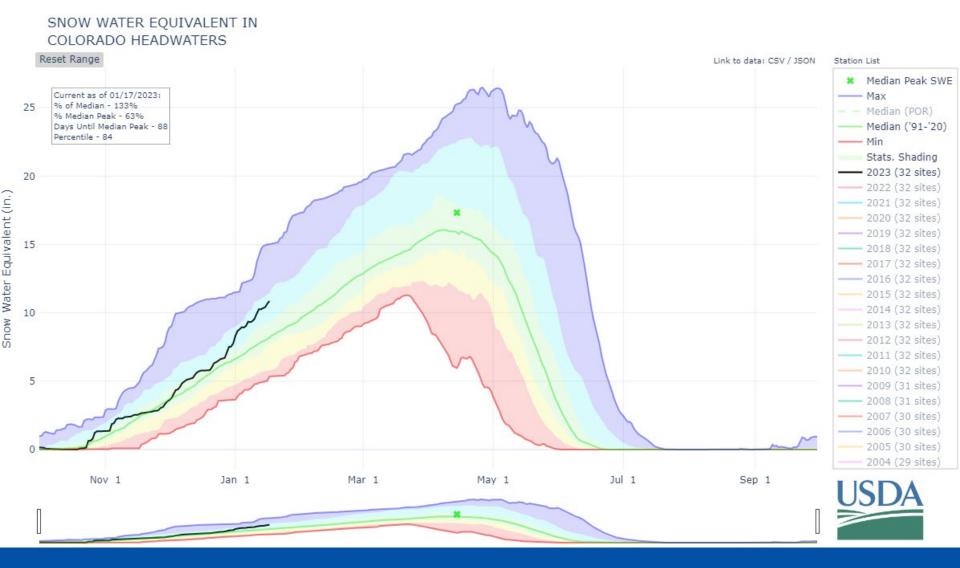
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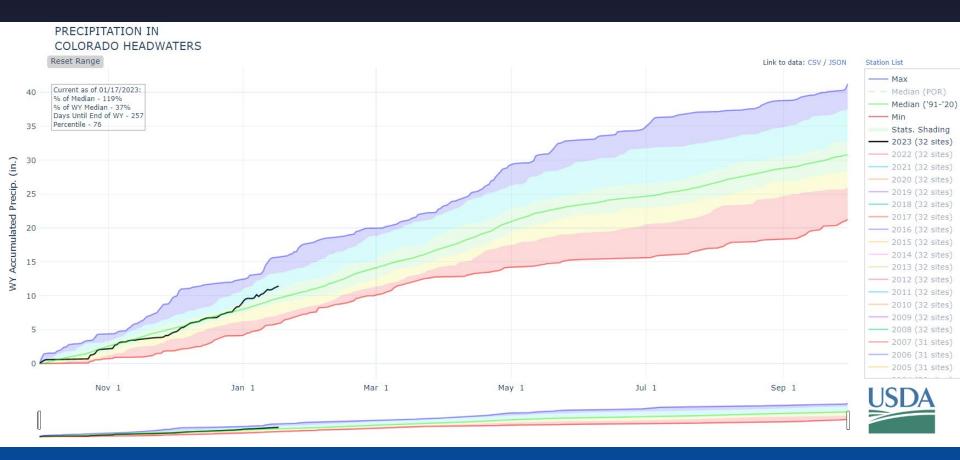






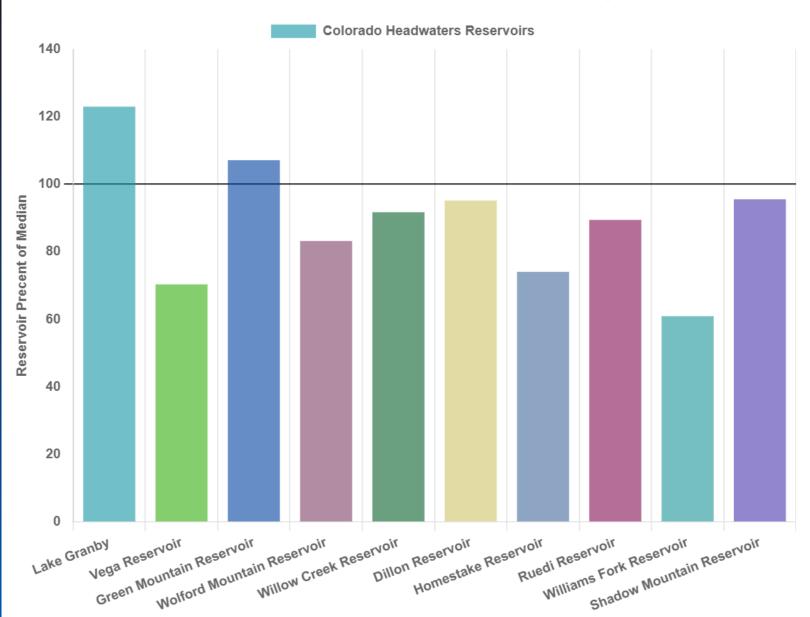






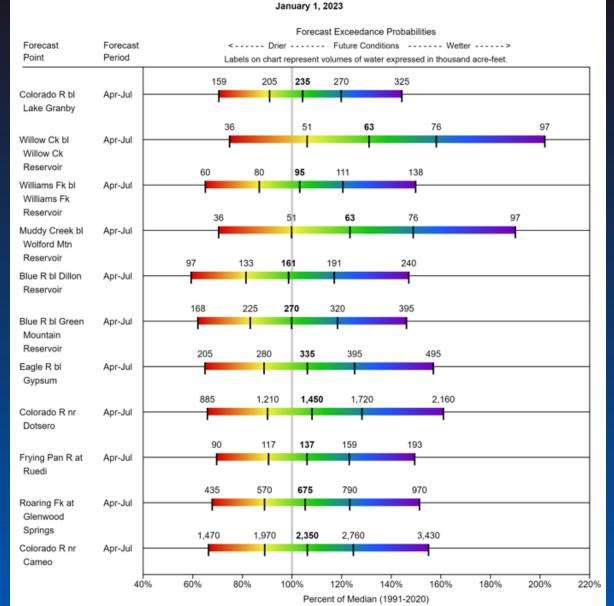


#### **Reservoir Conditions for Colorado Headwaters on January 1st 2023**

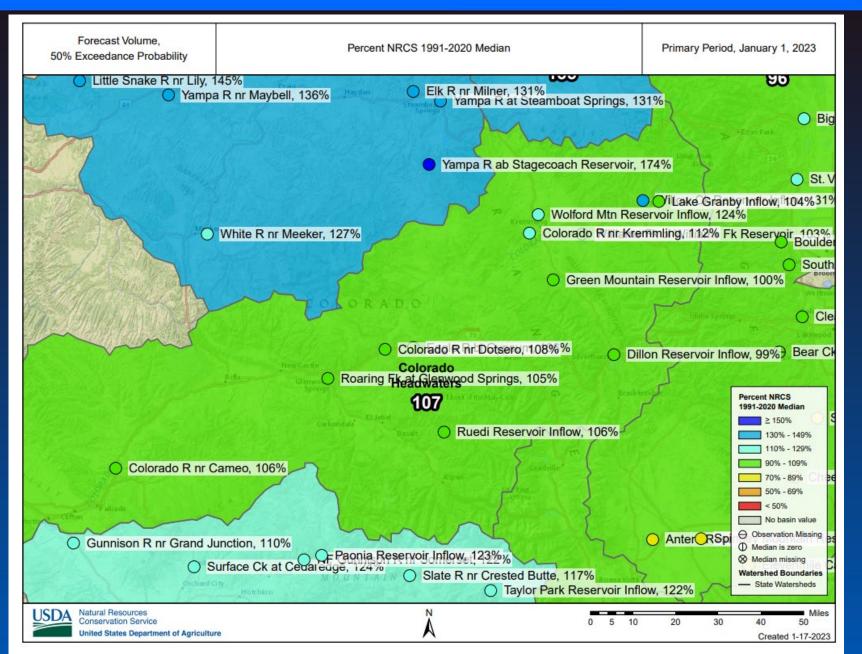




#### UPPER COLORADO RIVER BASIN Water Supply Forecasts





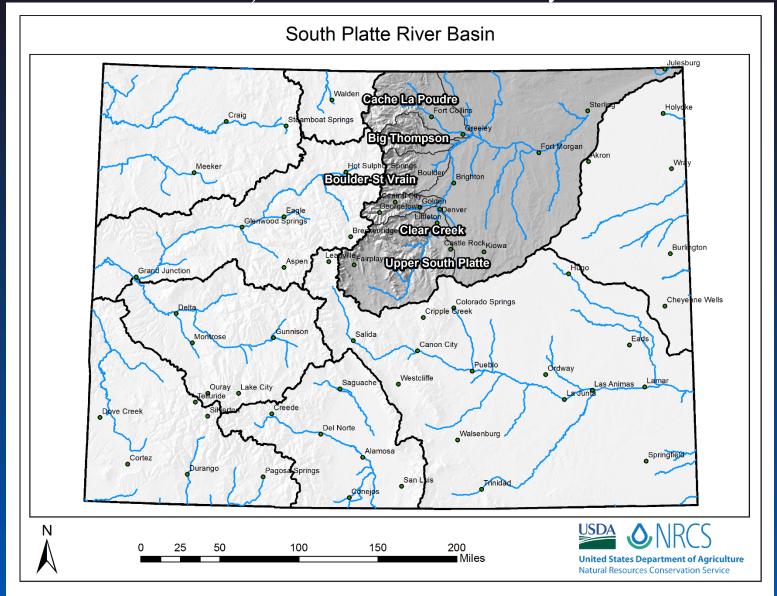


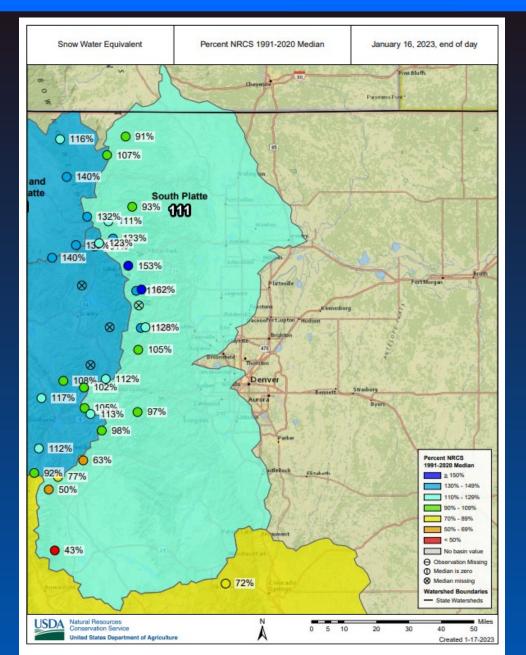


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#### **Colorado Snow Surveys**

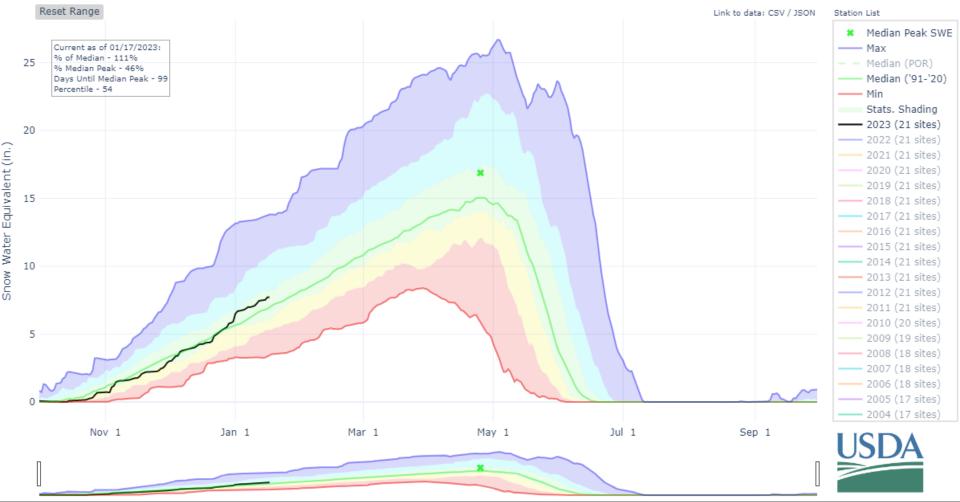
## Major Basin Summary



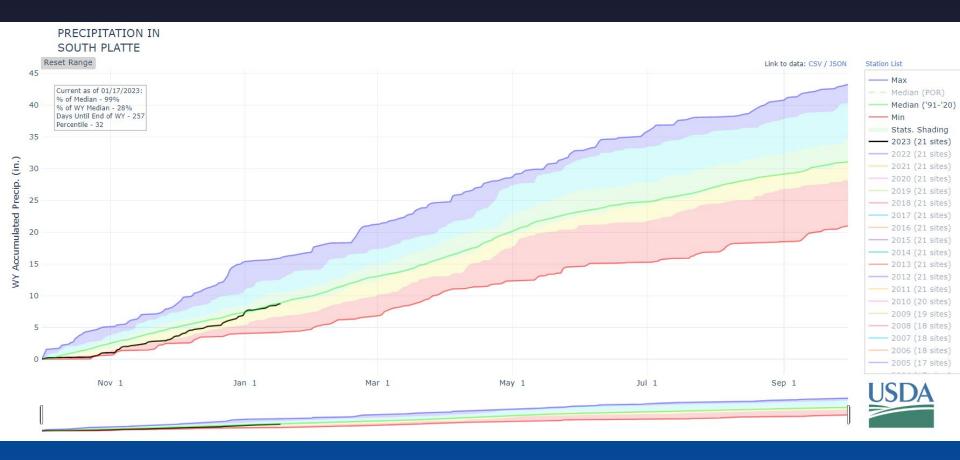






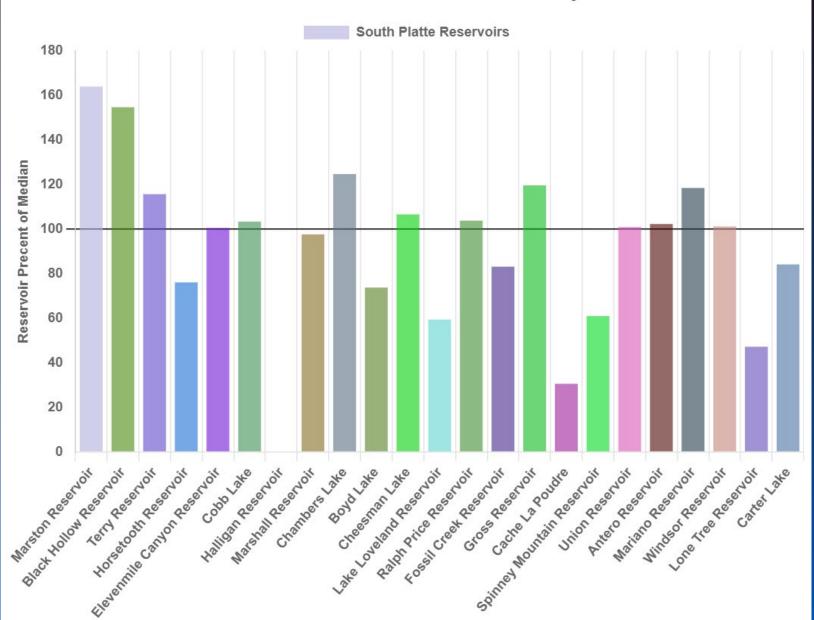


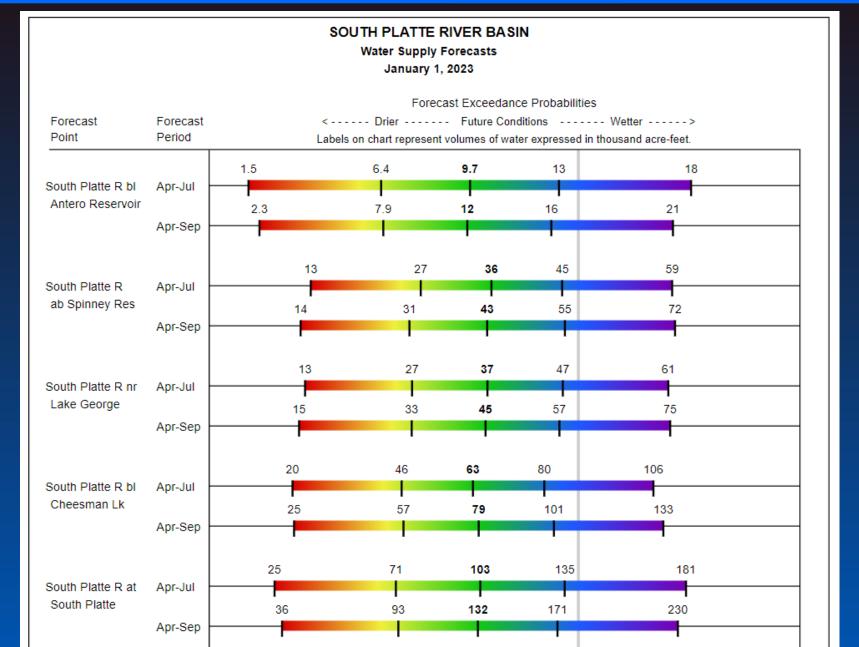




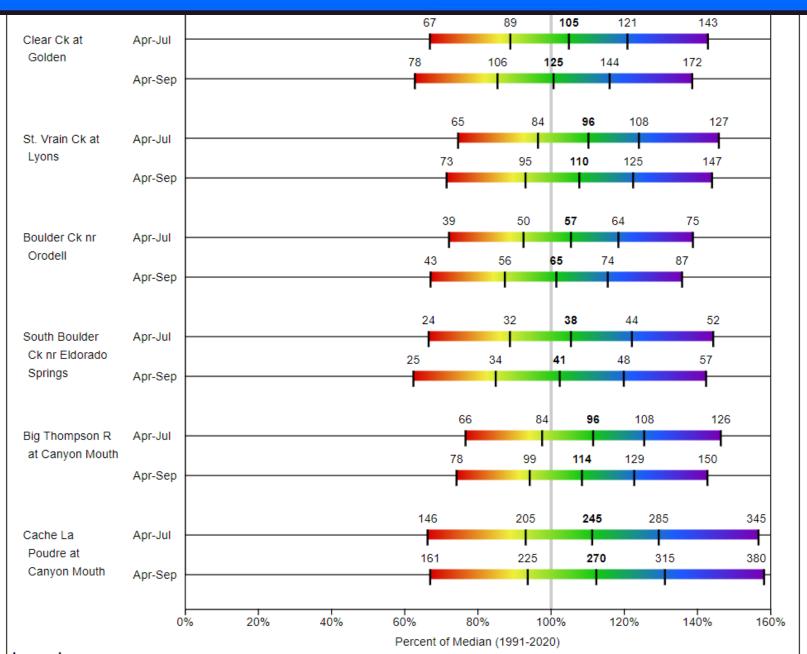


#### **Reservoir Conditions for South Platte on January 1st 2023**

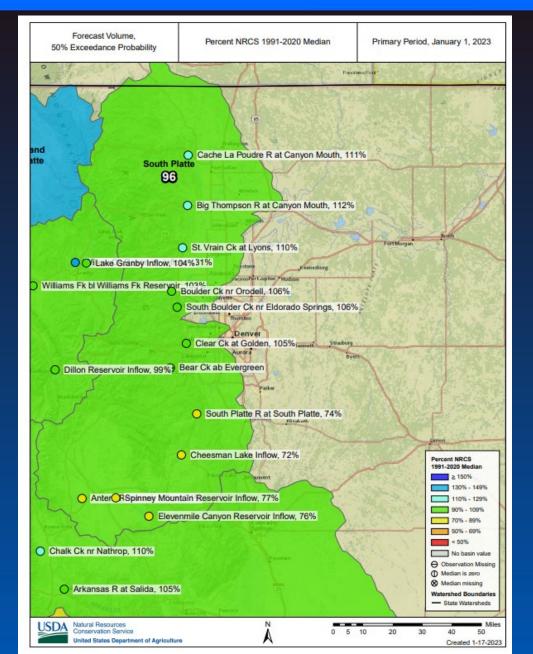










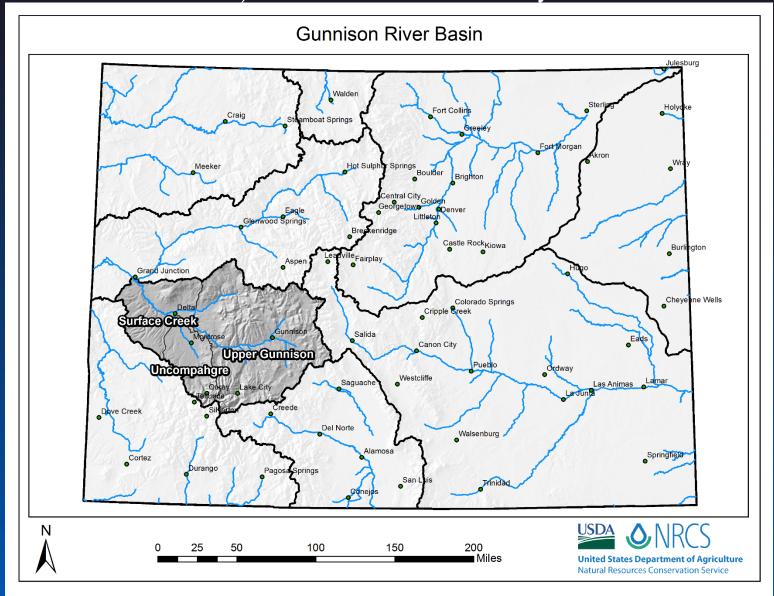




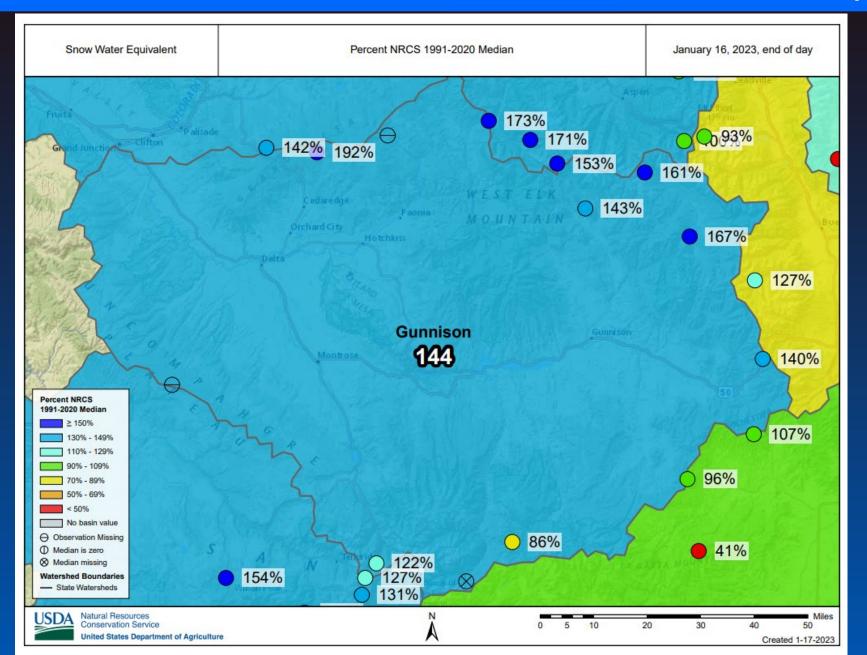
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#### **Colorado Snow Surveys**

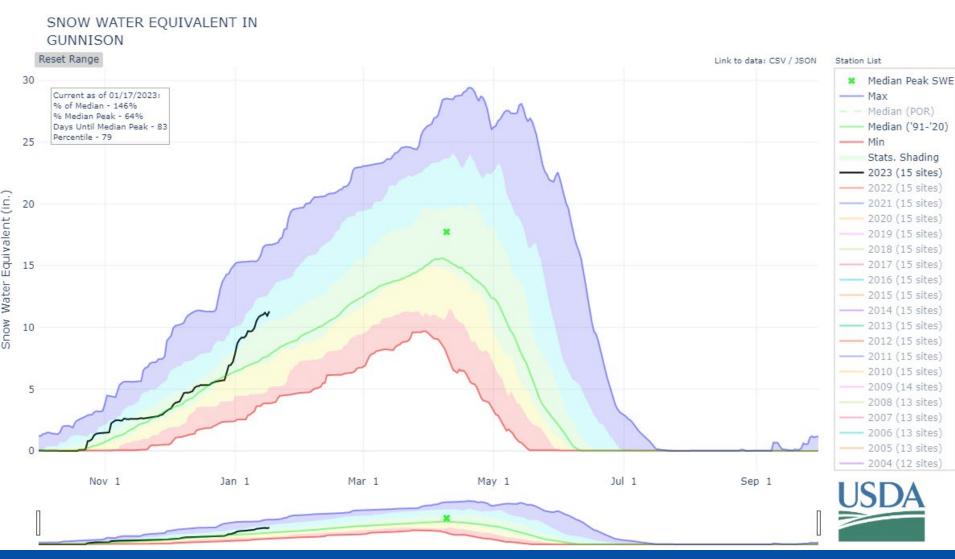
# Major Basin Summary









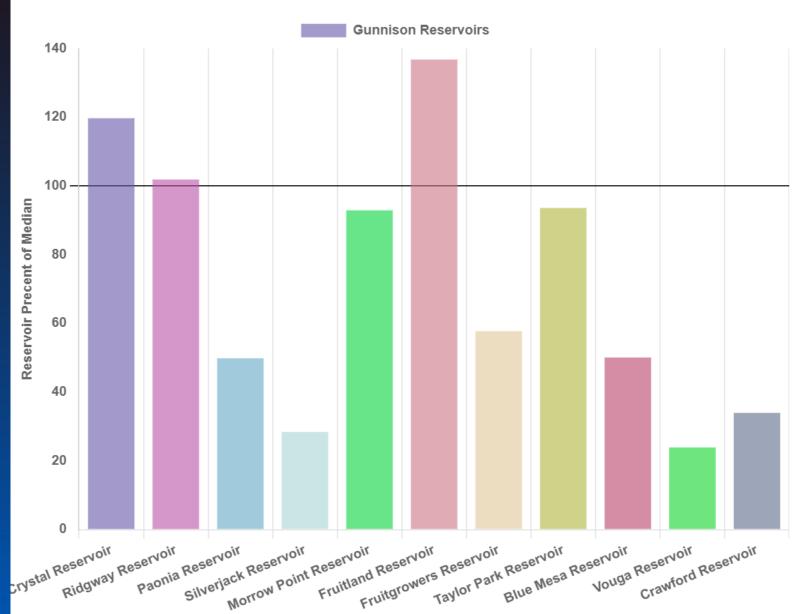




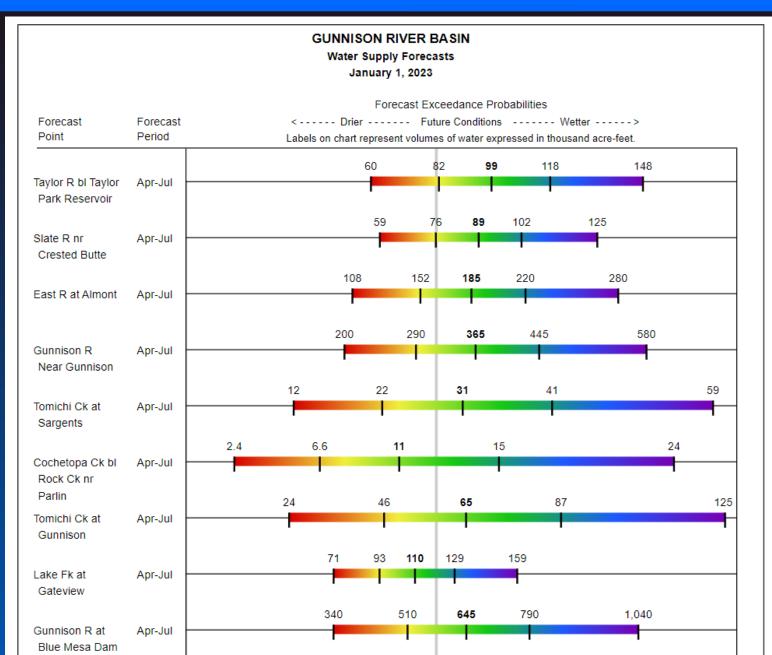




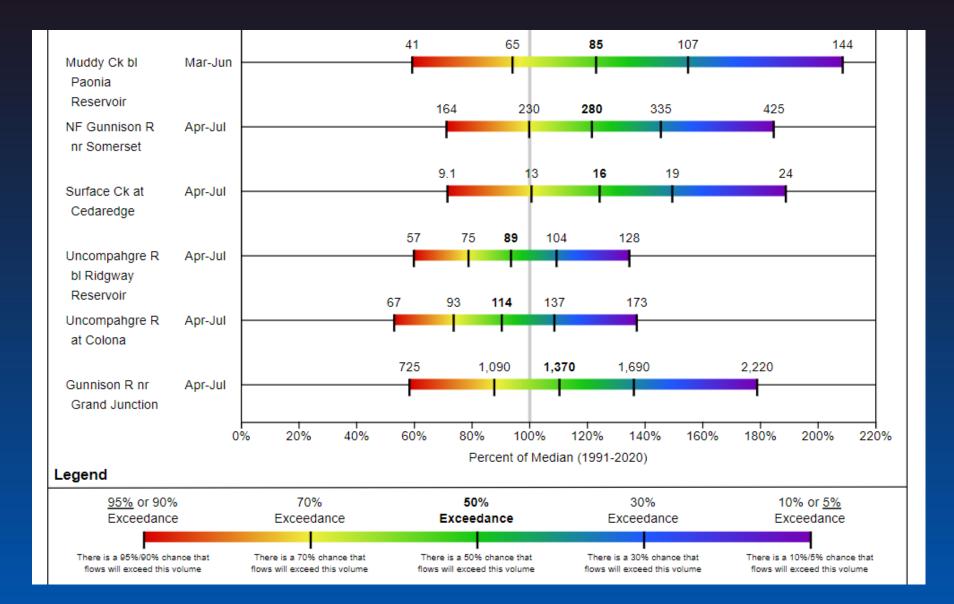




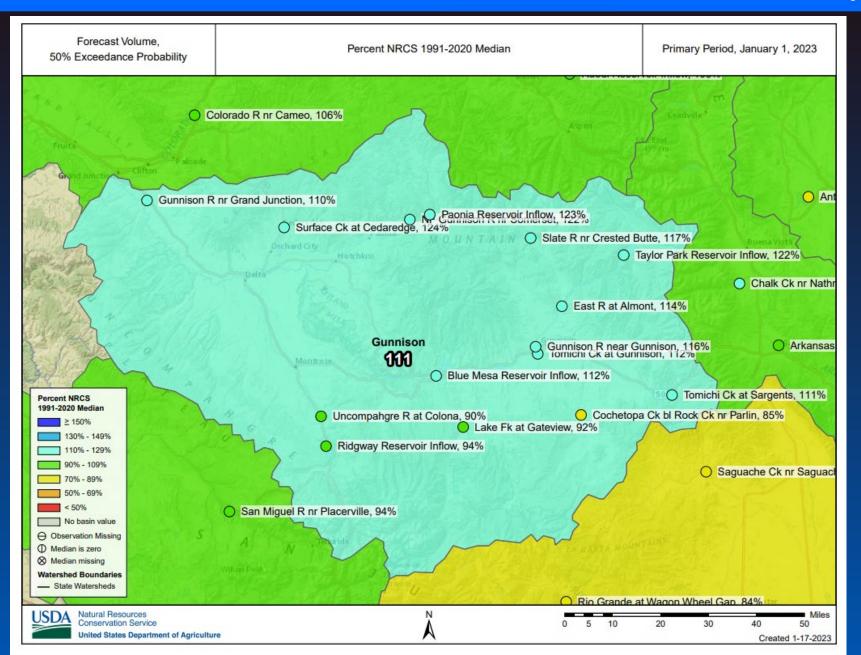










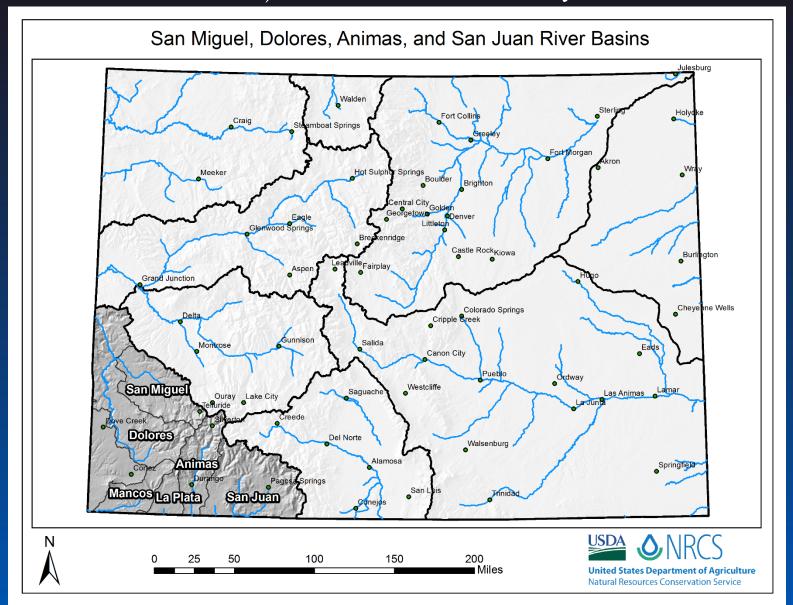


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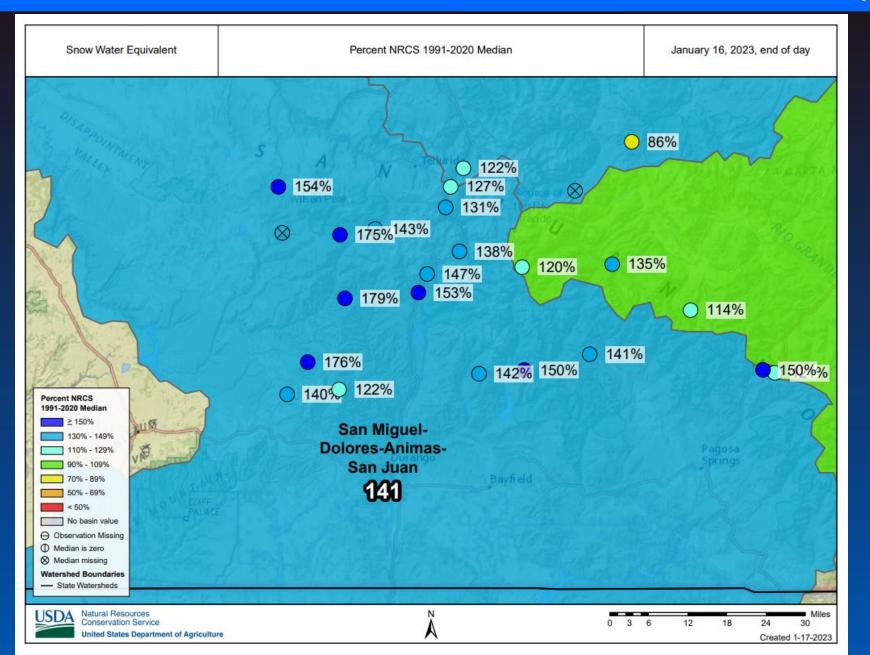
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#### **Colorado Snow Surveys**

# Major Basin Summary

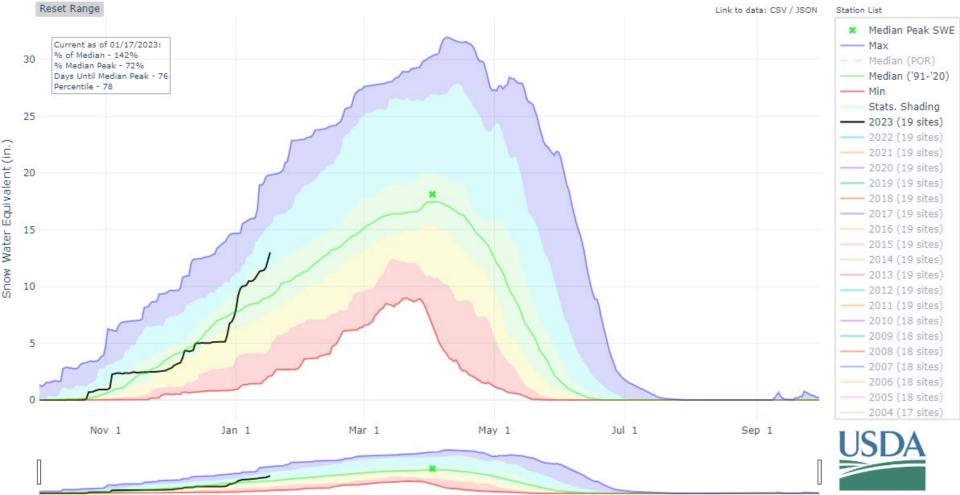




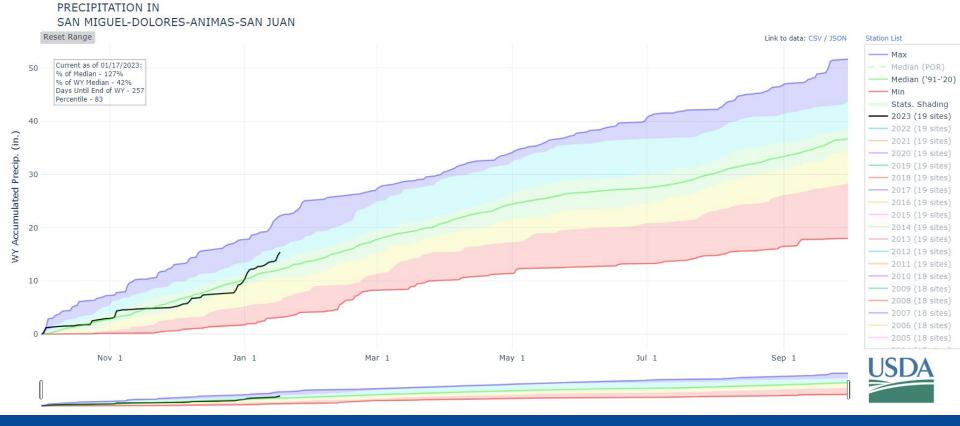




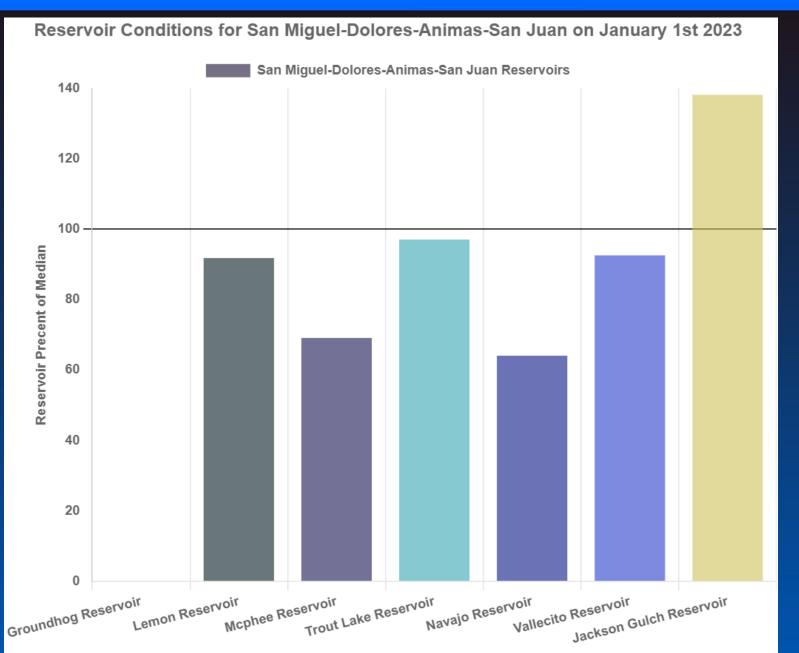


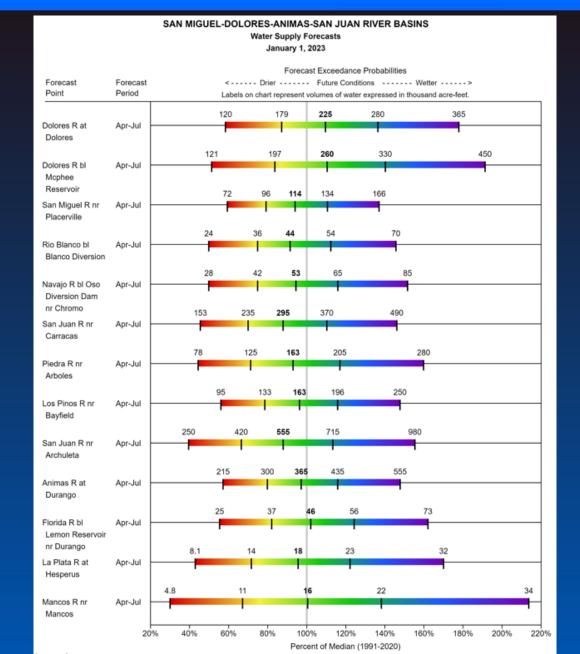




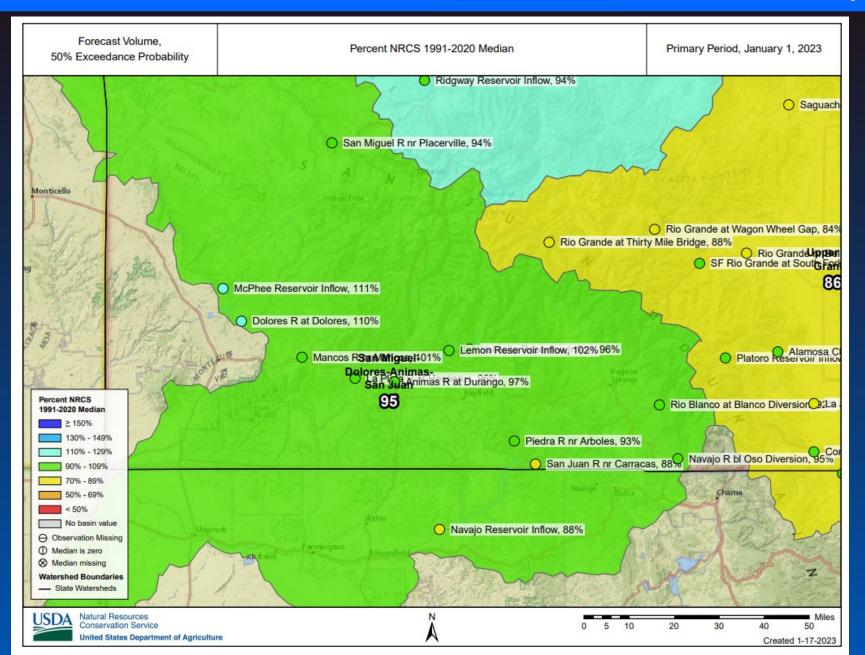










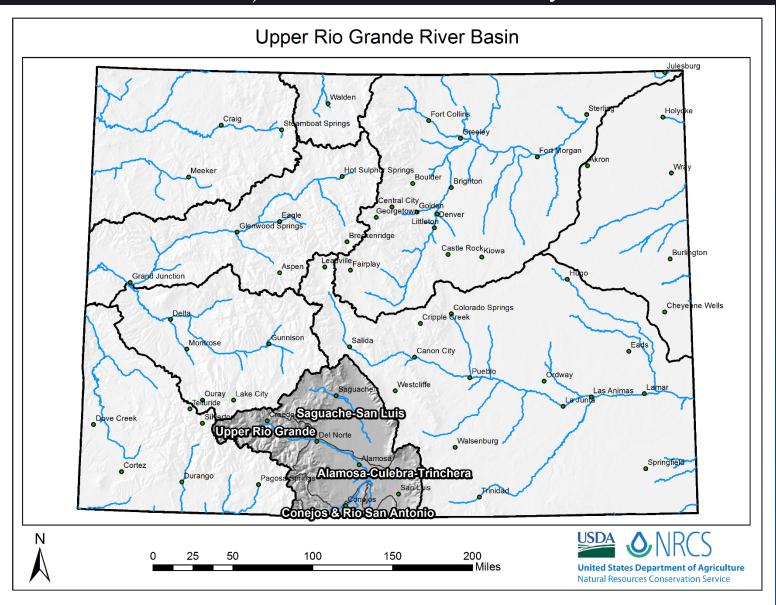




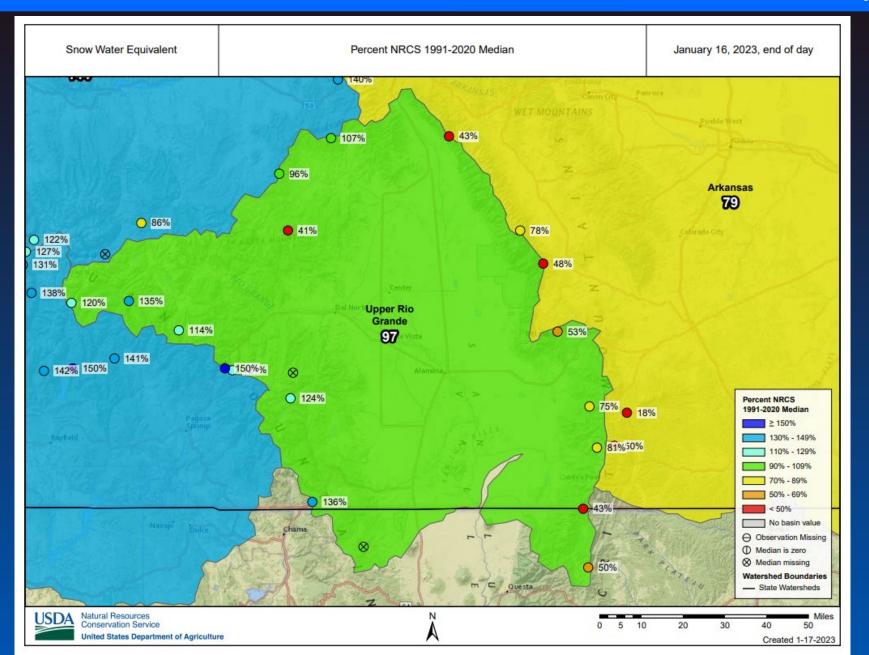
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#### **Colorado Snow Surveys**

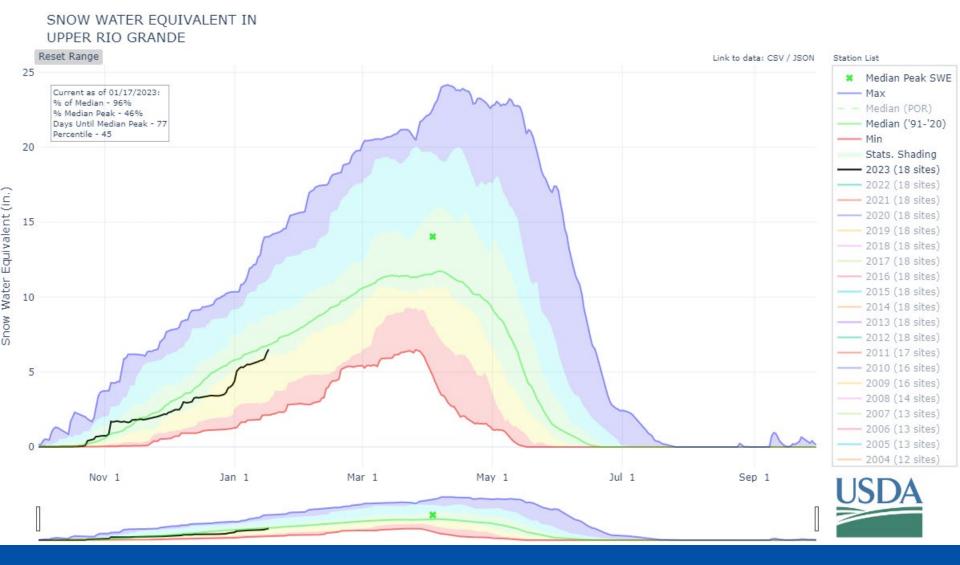
# Major Basin Summary



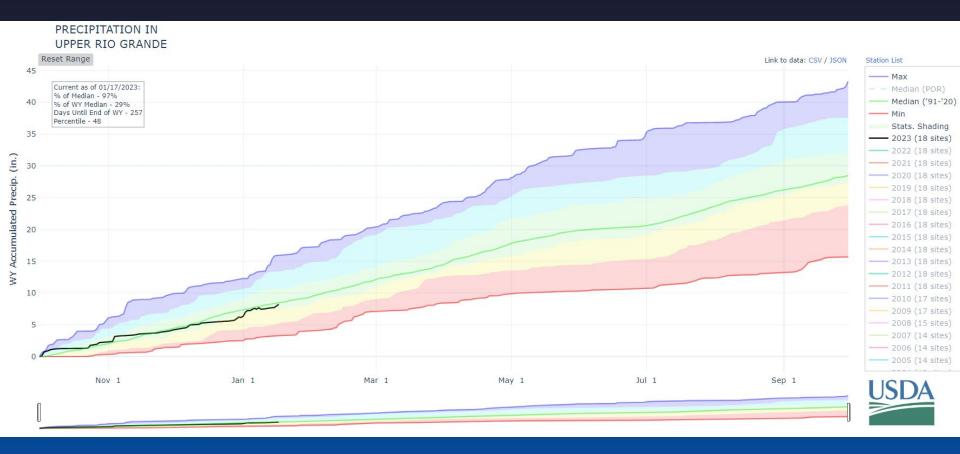






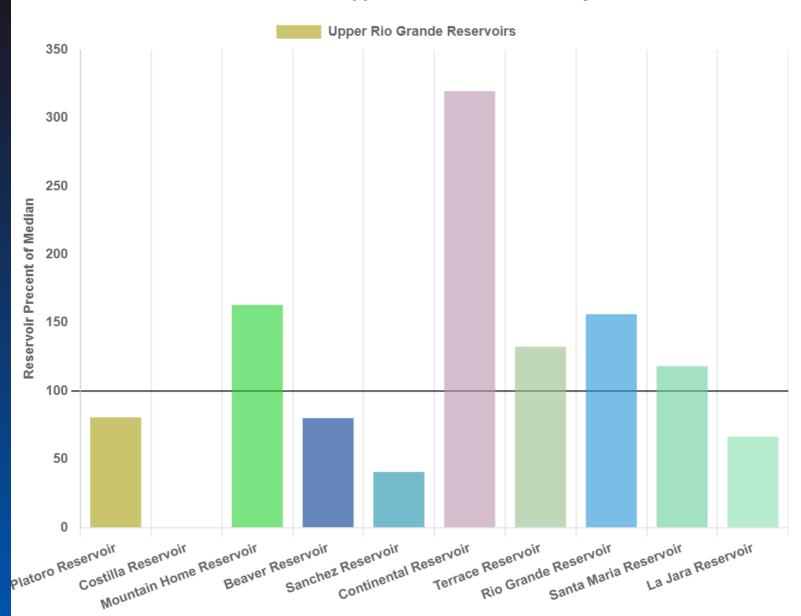






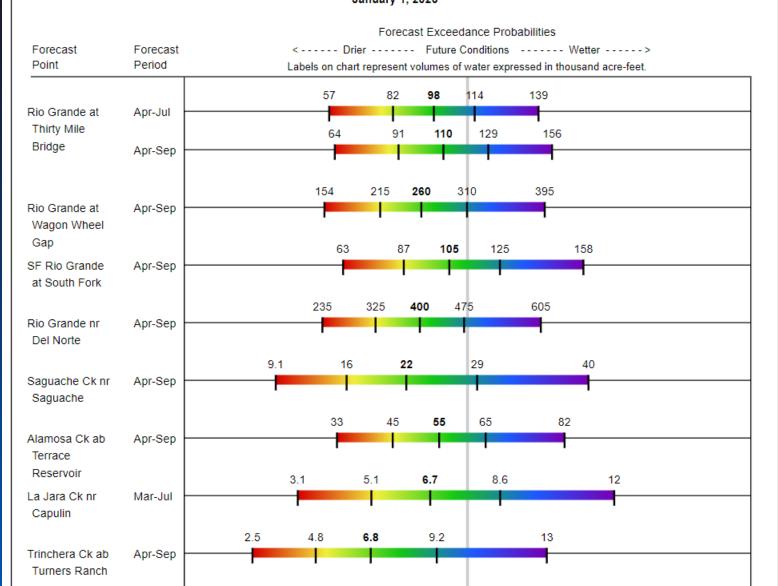


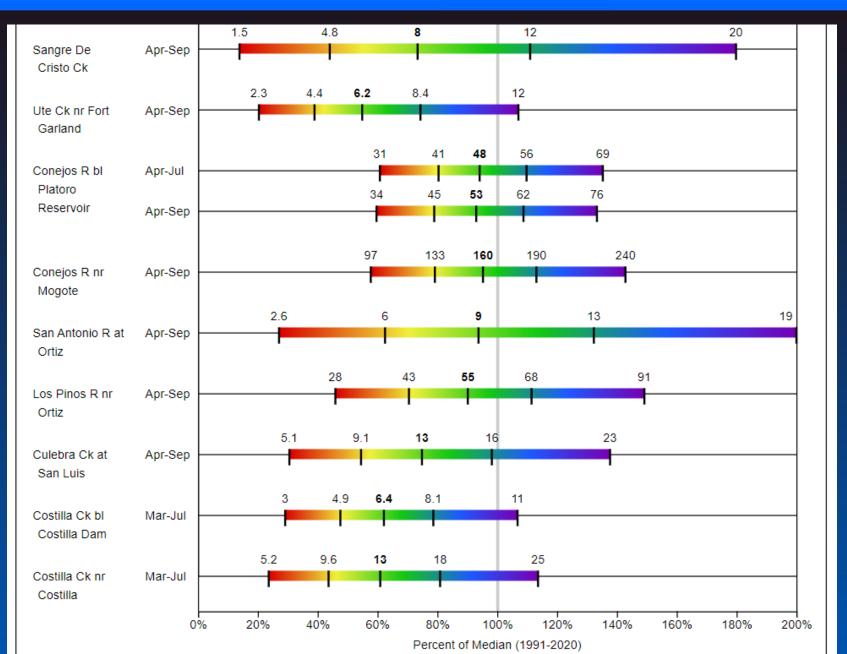
#### Reservoir Conditions for Upper Rio Grande on January 1st 2023



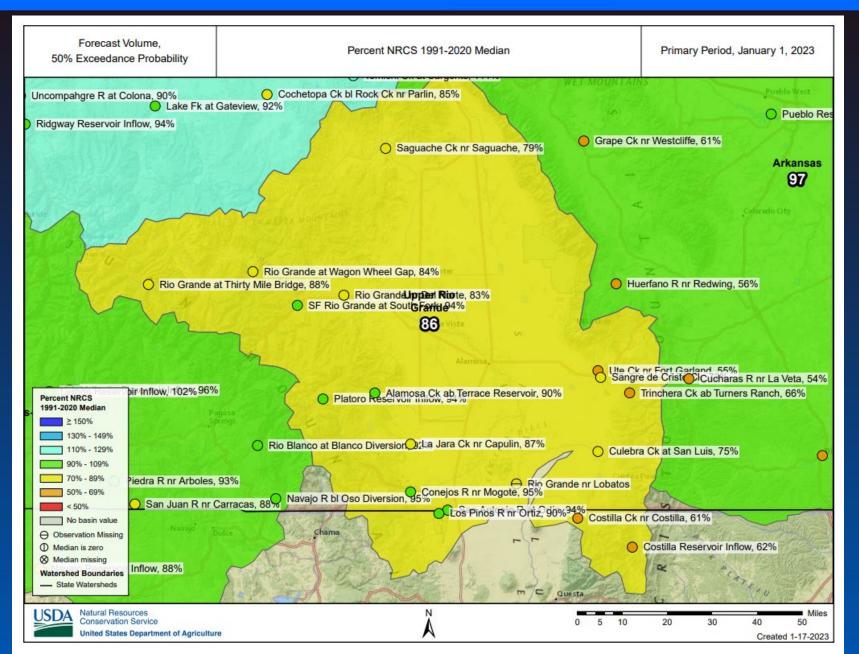


#### UPPER RIO GRANDE BASIN Water Supply Forecasts January 1, 2023







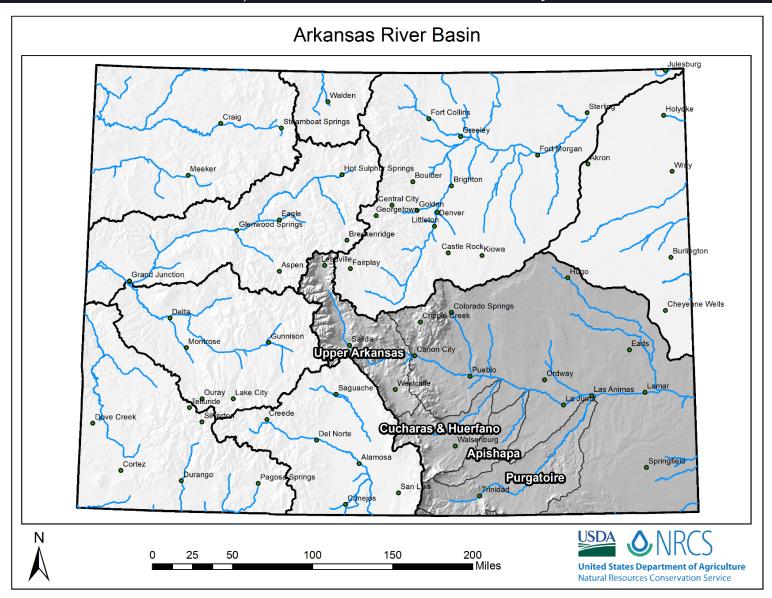




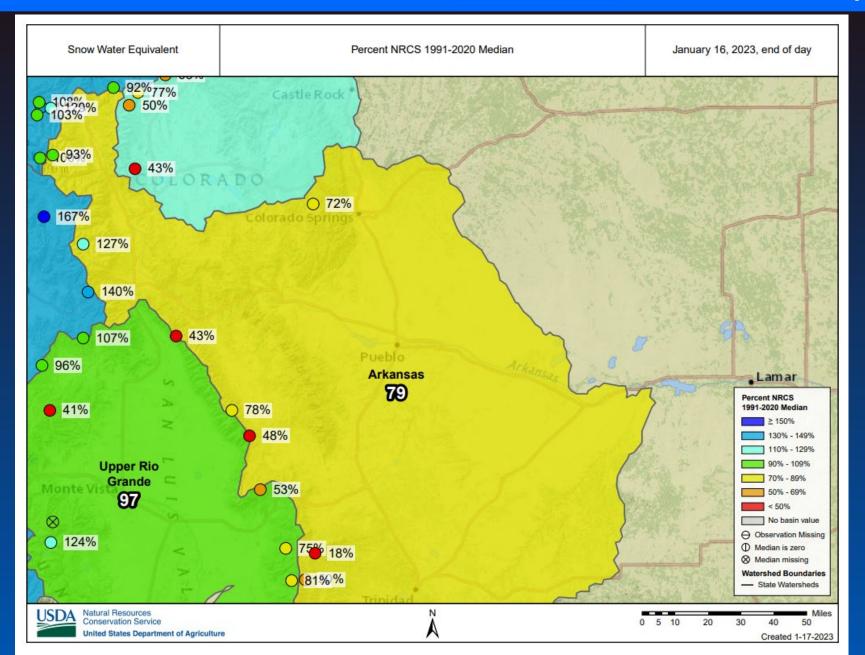
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#### **Colorado Snow Surveys**

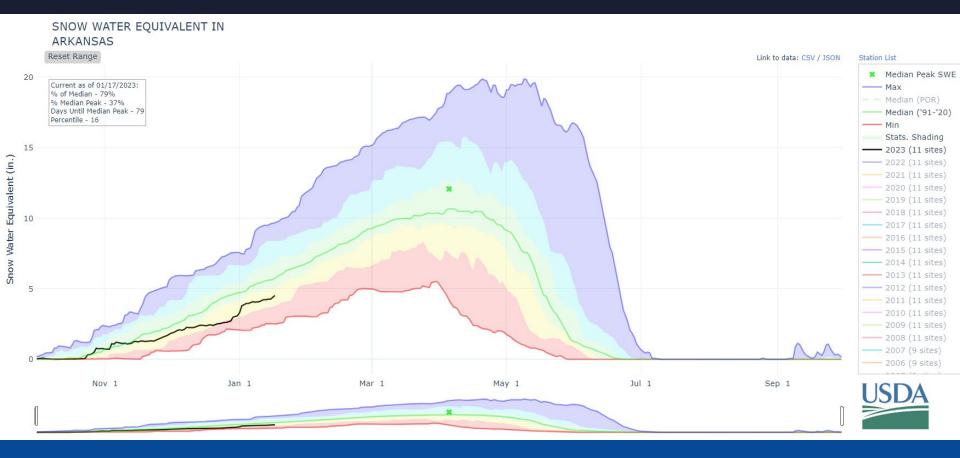
# Major Basin Summary



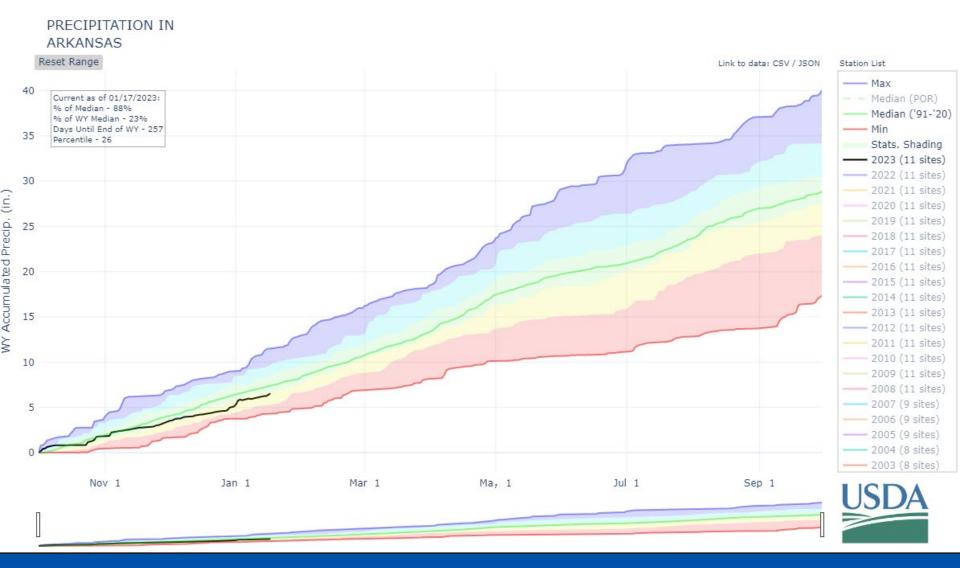






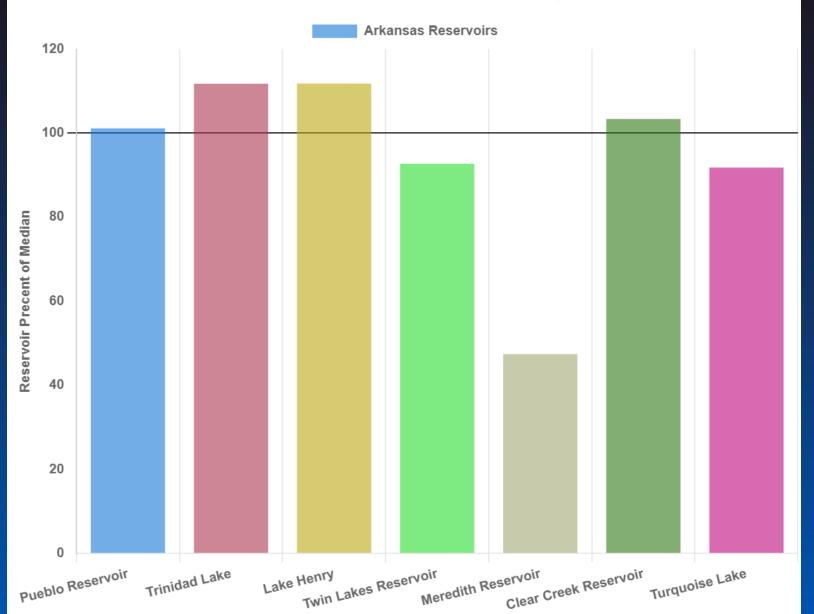








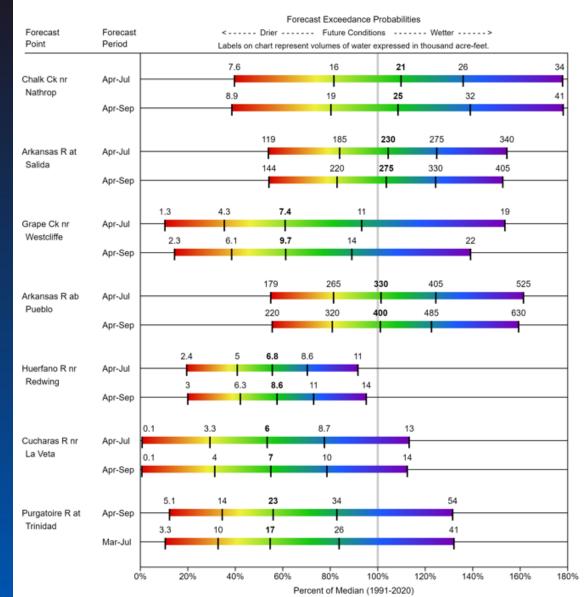
#### **Reservoir Conditions for Arkansas on January 1st 2023**



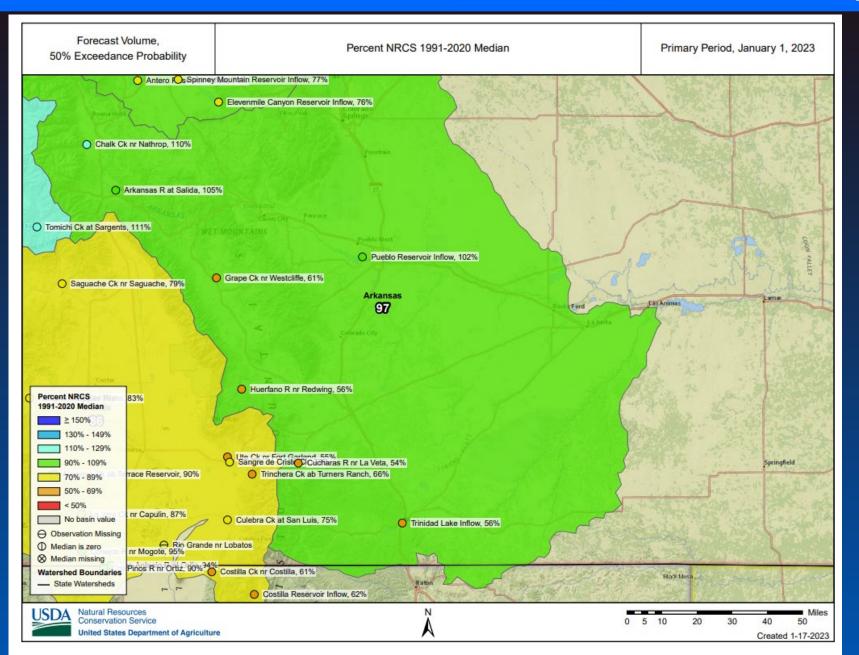


#### ARKANSAS RIVER BASIN Water Supply Forecasts

January 1, 2023

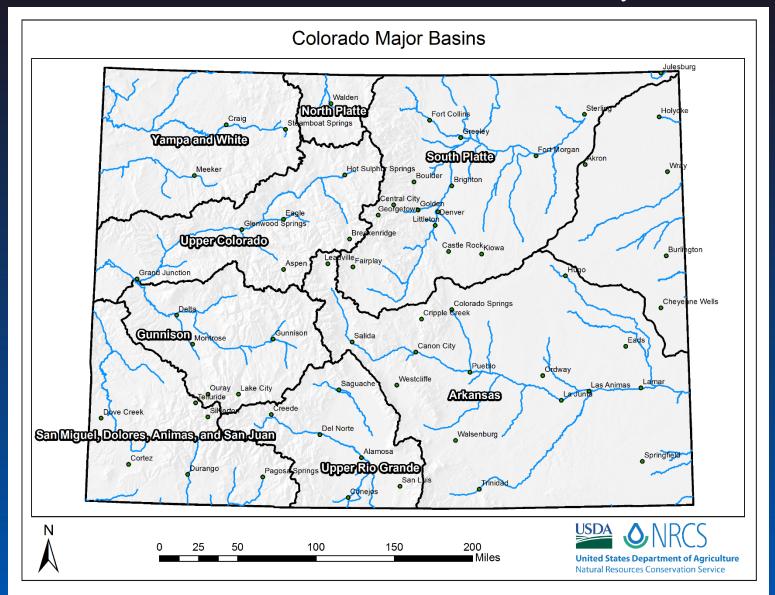






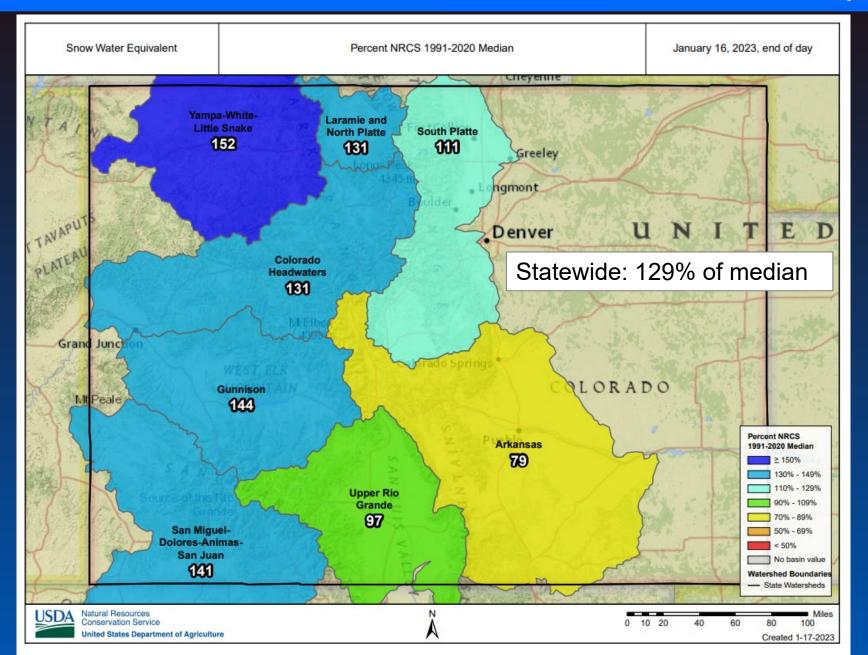


# Colorado Statewide Summary

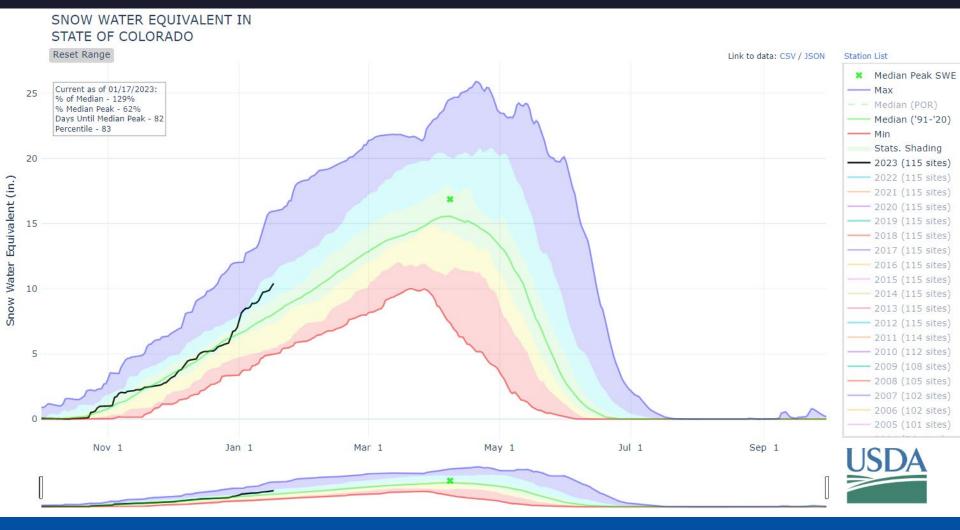




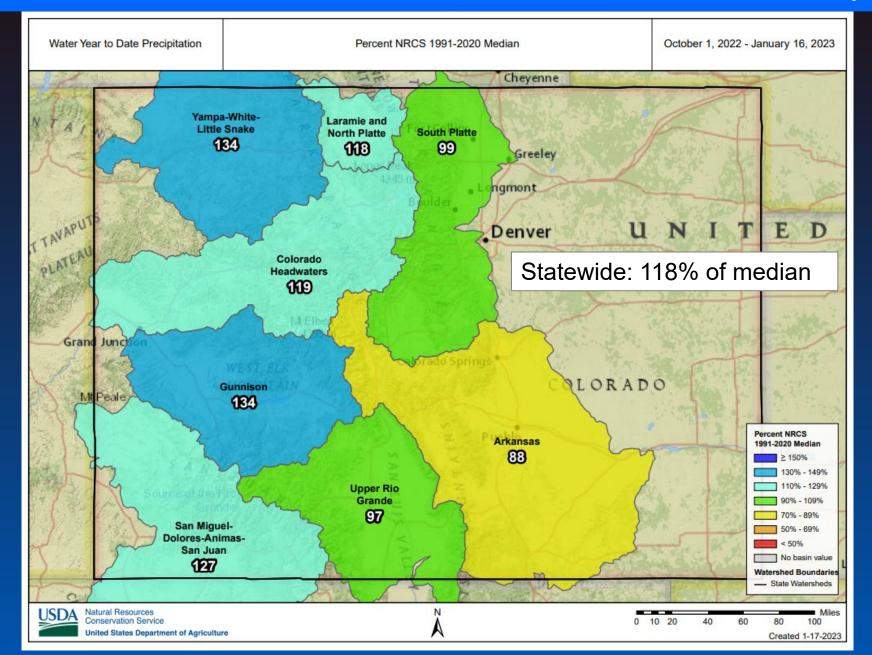
Snowpack



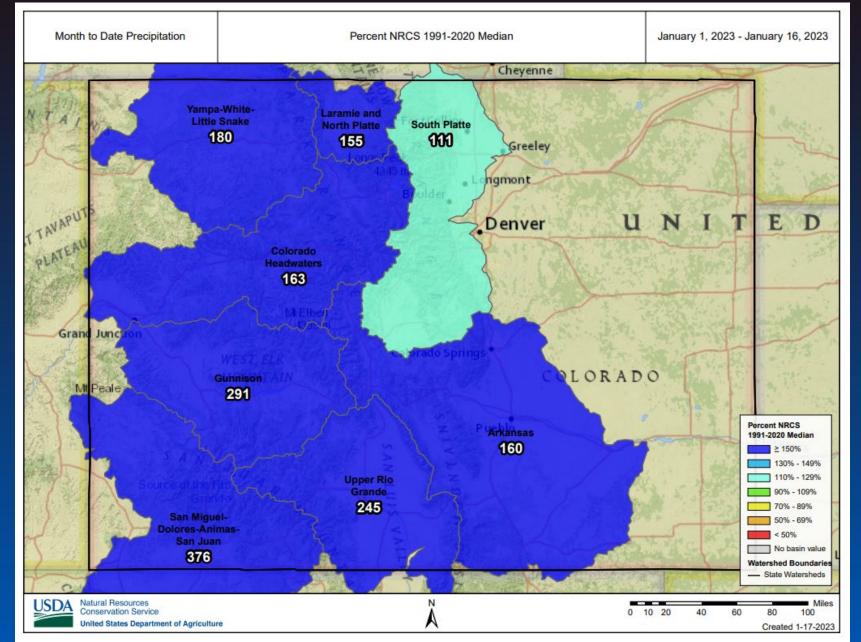




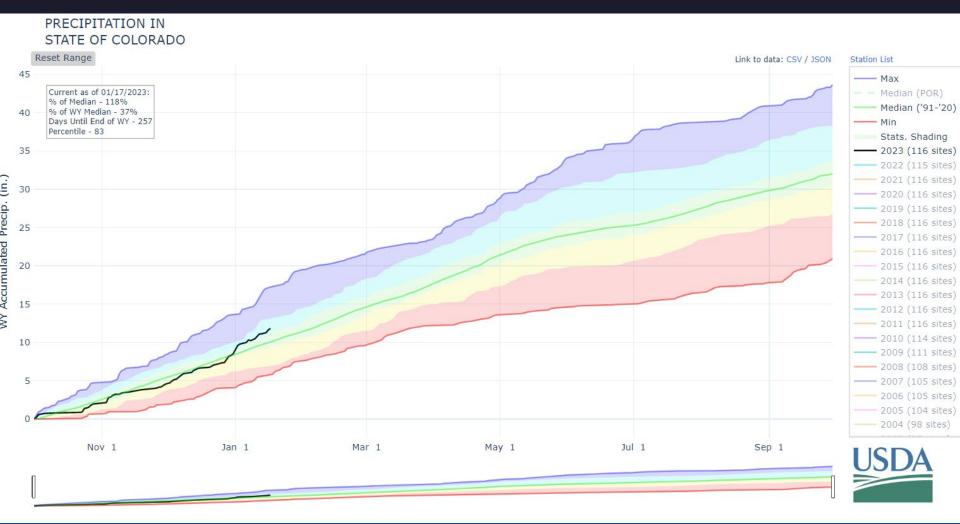




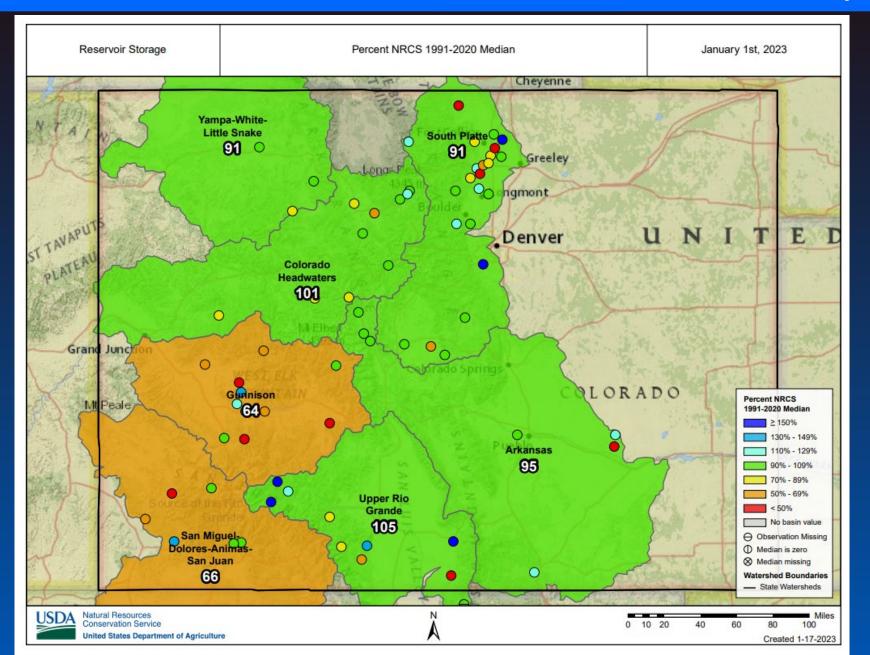






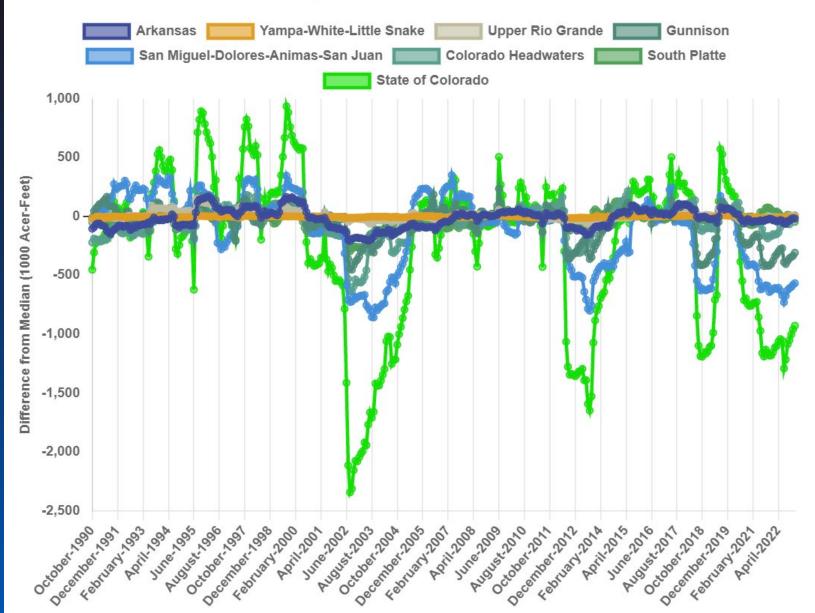




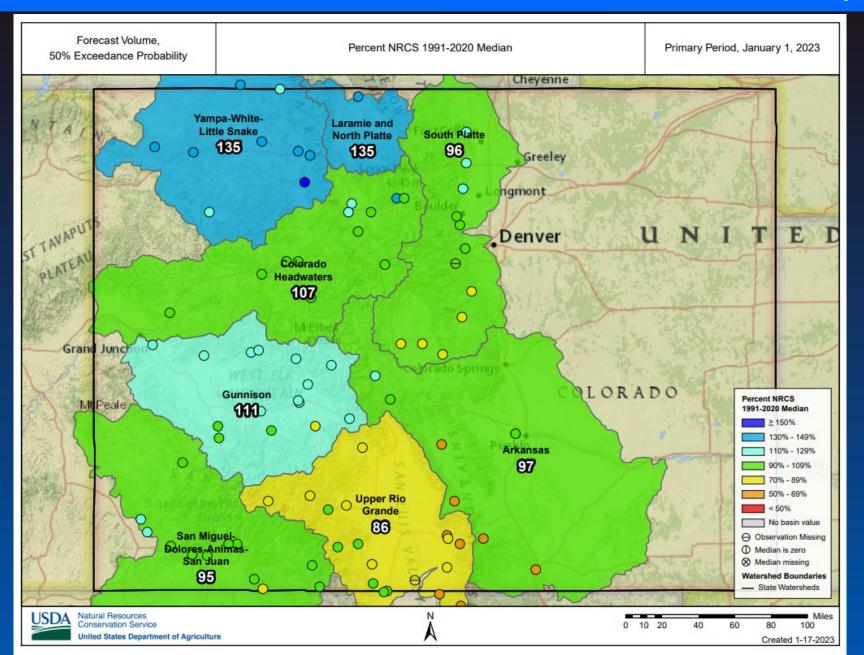




#### Departure from Median







# Summary

•Snowpack is well above normal across all of Western Colorado and near normal in other basins except the Arkansas which is lower.

- The Sangre de Cristo mountains, feeding water into both the Rio Grande and Arkansas basins, have the most meager snowpack in Colorado.
- •A series of storms since the end of December have provided substantial increases to the snowpack statewide.
- •February 1<sup>st</sup> streamflow forecasts are anticipated to be significantly improved over the previous month in most parts of the state.
- •Above normal summer precipitation improved soil moisture conditions going into winter which could increase the efficiency of snowmelt runoff over previous years.
- •Reservoir storage remains highly variable across Colorado with the Gunnison and combined Southwest Basins holding substantially less water than any other basins.



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