

# Water Availability Task Force Meeting April 20<sup>th</sup>, 2021

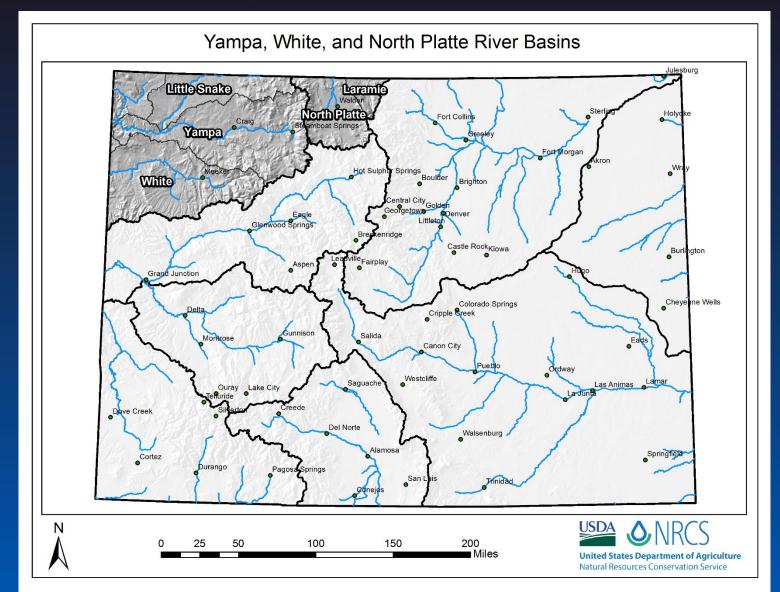
## NRCS Snow Survey and Water Supply Forecasting Program

Brian Domonkos Hydrologist Asst. Snow Survey Supervisor 720-544-2852 http://www.nrcs.usda.gov/wps/portal/nrcs/main/co/snow/



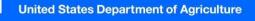
#### **Colorado Snow Surveys**

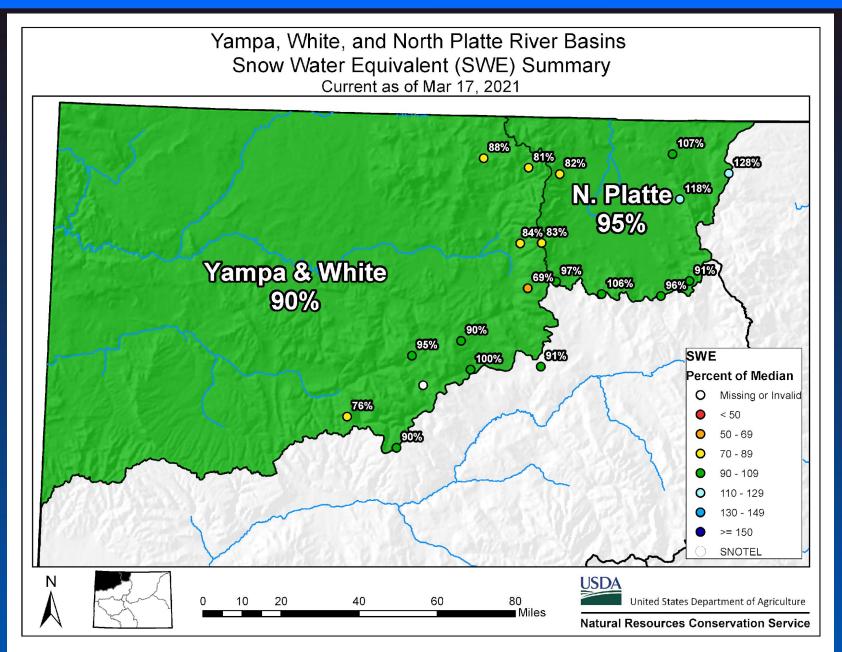
### Major Basin Summary



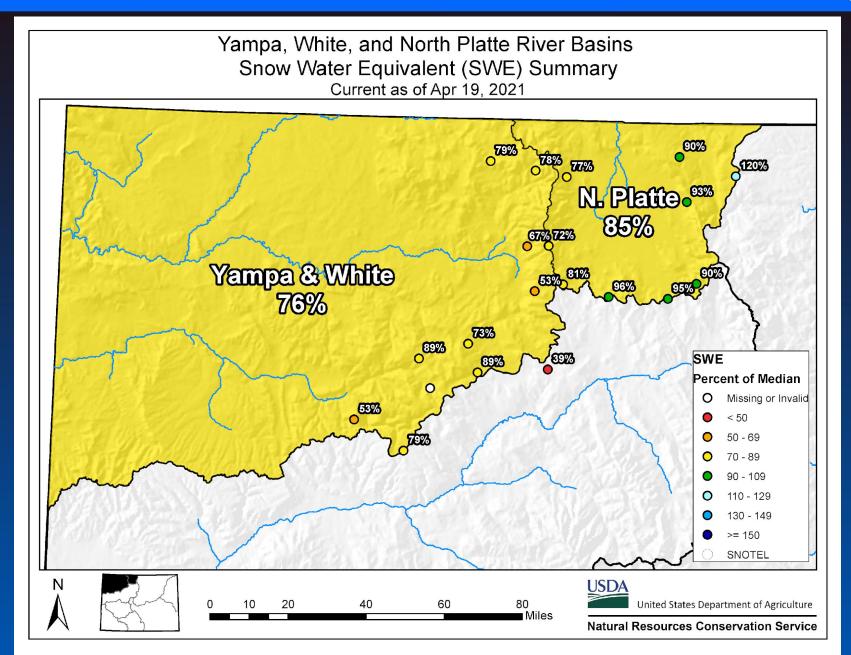


#### Yampa, White and North Platte River Basins High/Low Snowpack SummaryBased on Provisional SNOTEL data as of Apr 19, 2021 12187 Bull-1911s Type one of Selection Current as Pct of Normal: 81%Current as Pct of Nanual Resp. ross Conservation Service Avg: 78%Current as Pot of Last Year: 70%Current as Pct of Peak: 77%Normal as Pct of Peak: 95%Current Peak as Pct of Normal 350 Peak: 88%Current Peak Date: Apr 02Normal Peak Date: Apr 10 300 Snow Water Equipalent (inches) А r 100k а n 50 а s R Averages 01-Median - Mining m01-WY2002 - WY20130 - WY2020 - WY2020 Sep 3 Maximum v

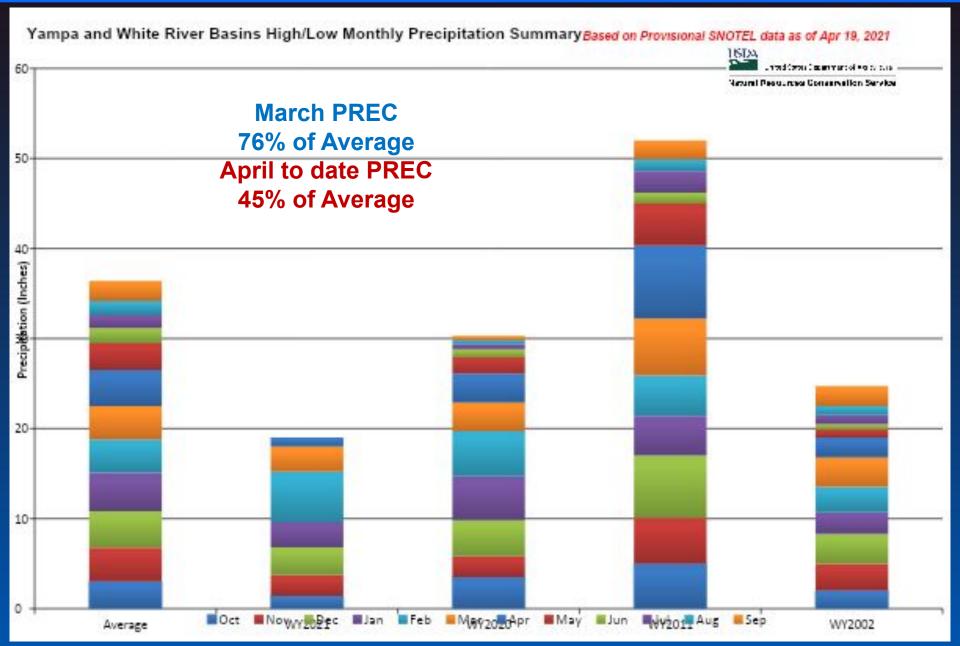




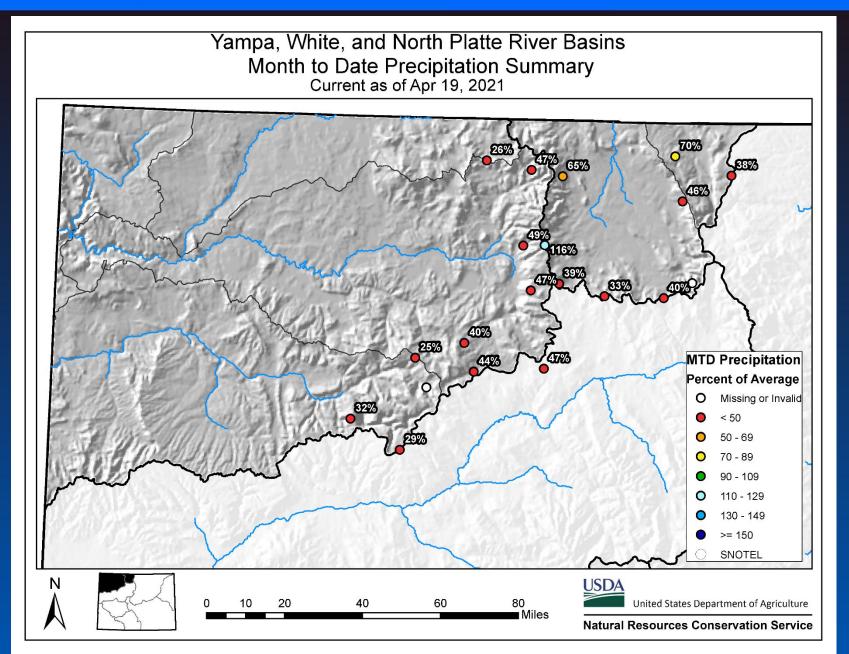






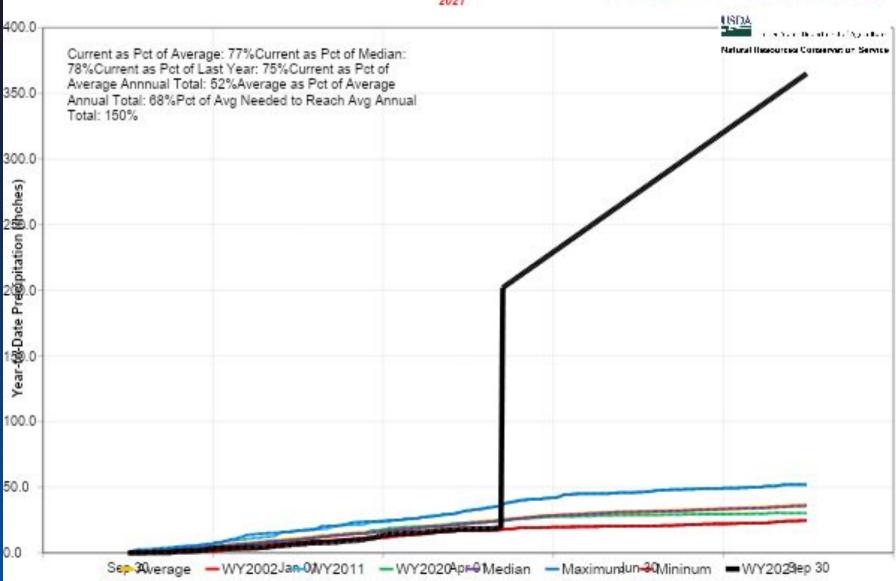


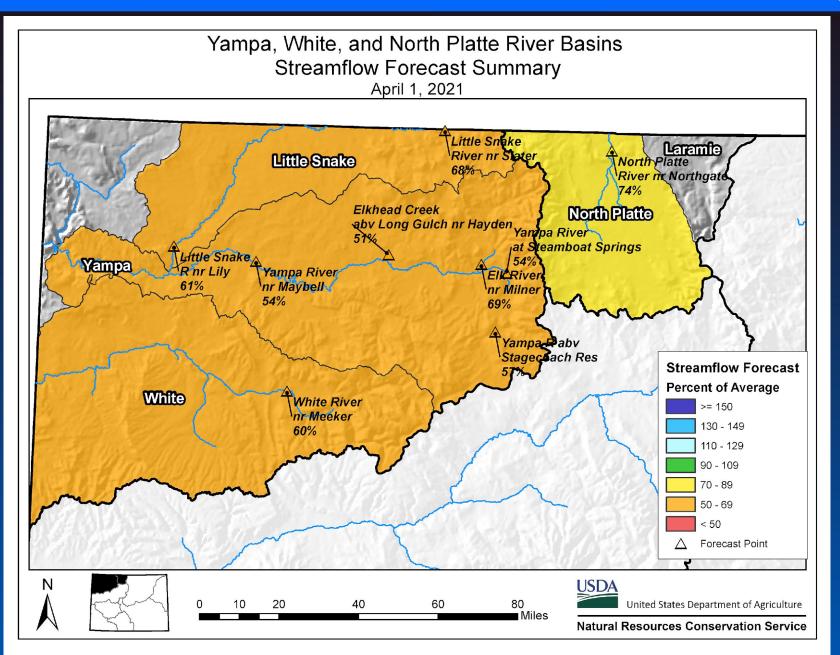




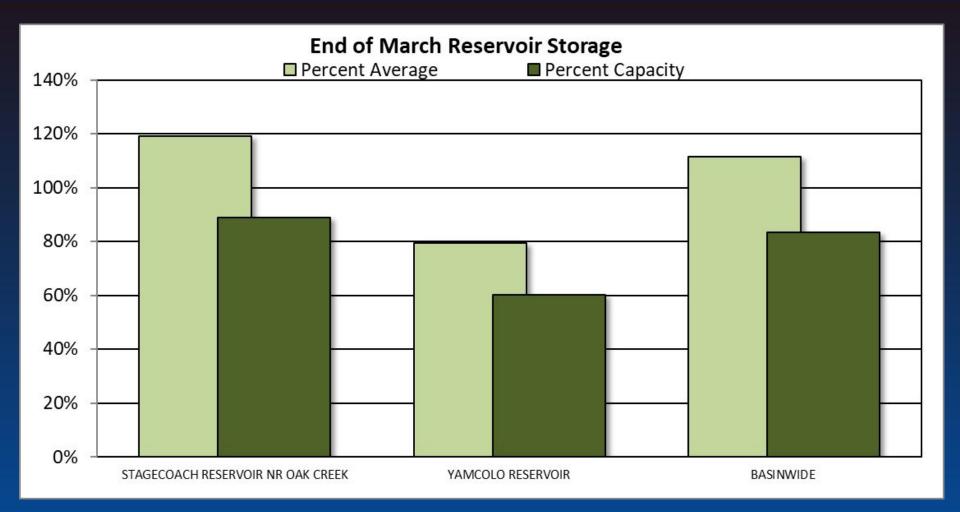








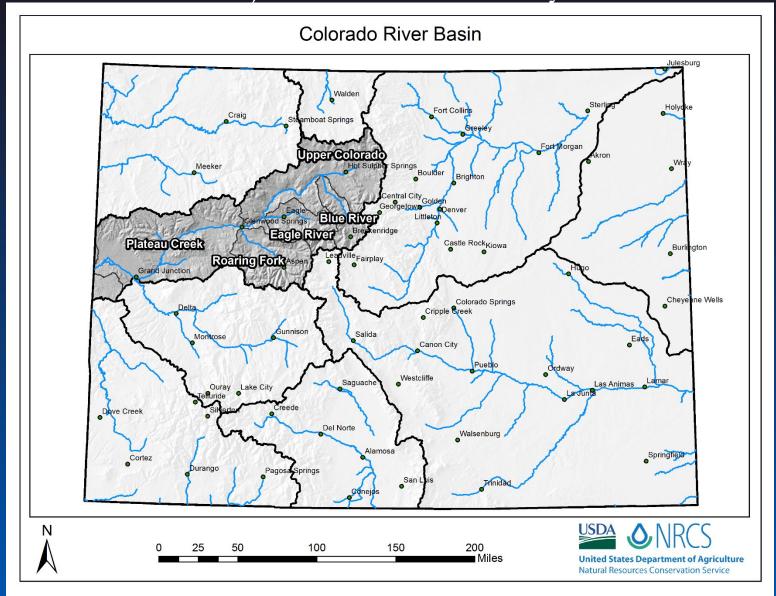






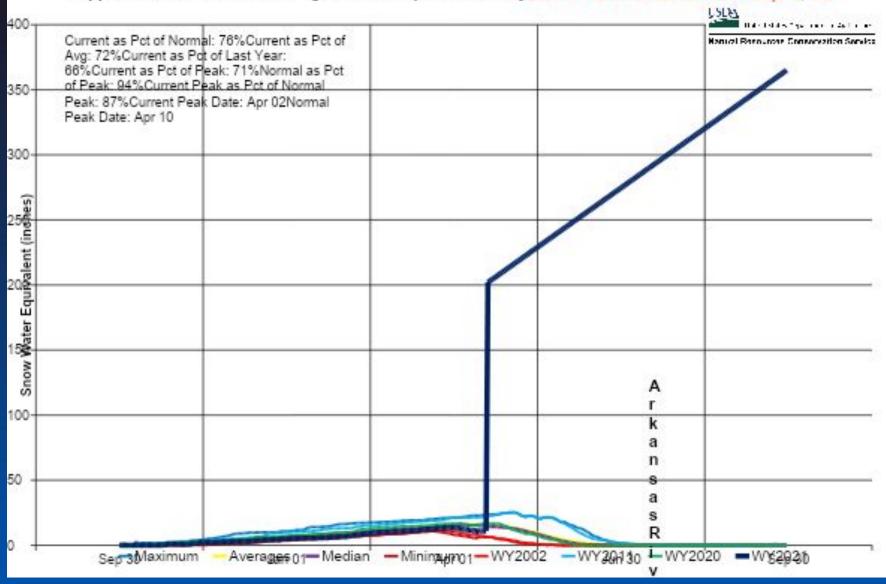
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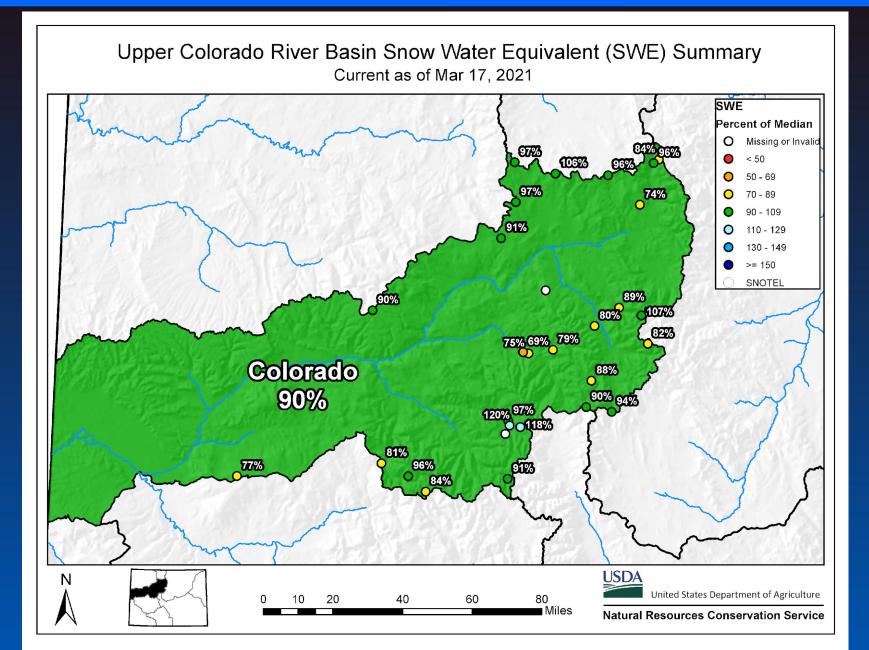




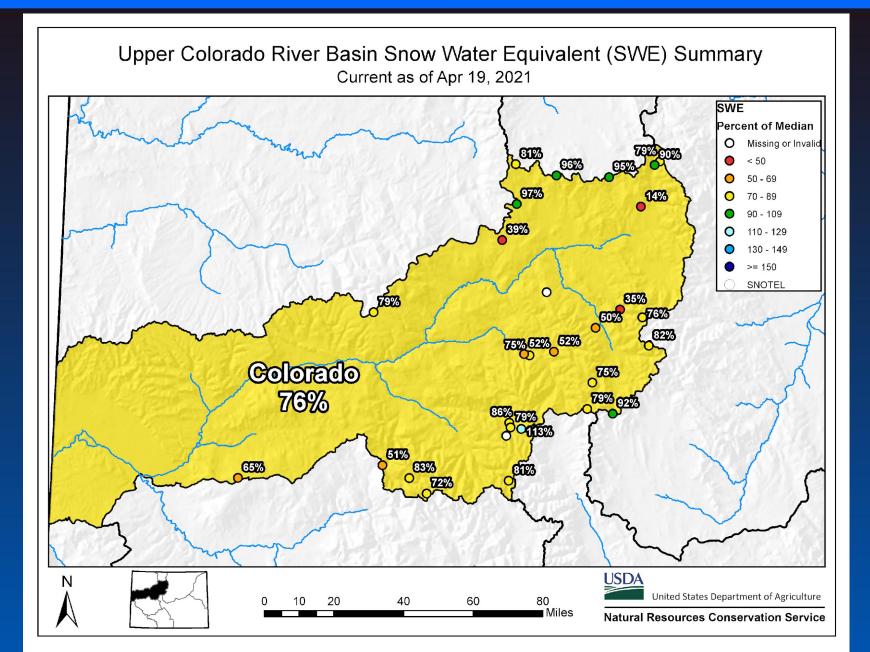
#### Upper Colorado River Basin High/Low Snowpack Summary Based on Provisional SNOTEL data as of Apr 19, 2021



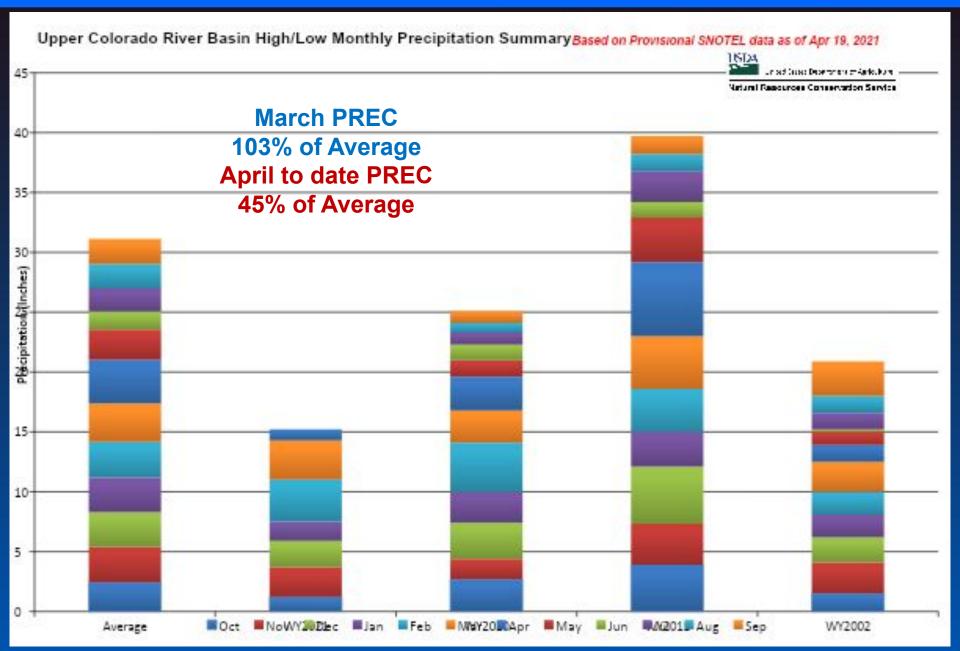




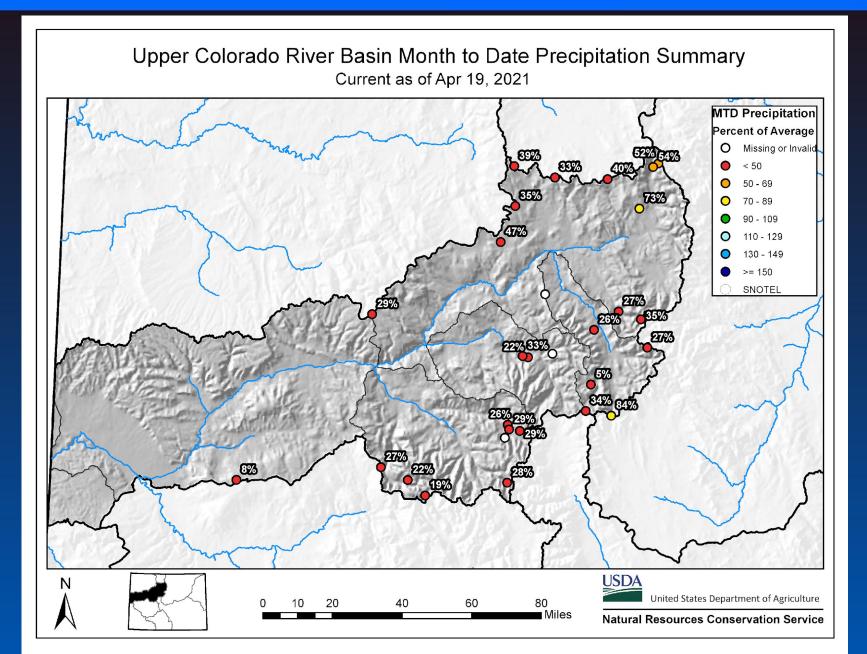








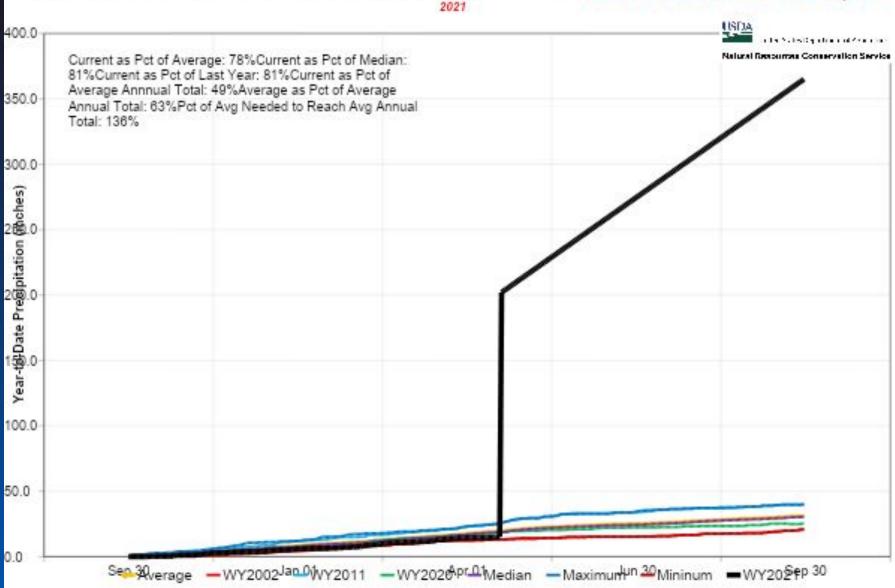




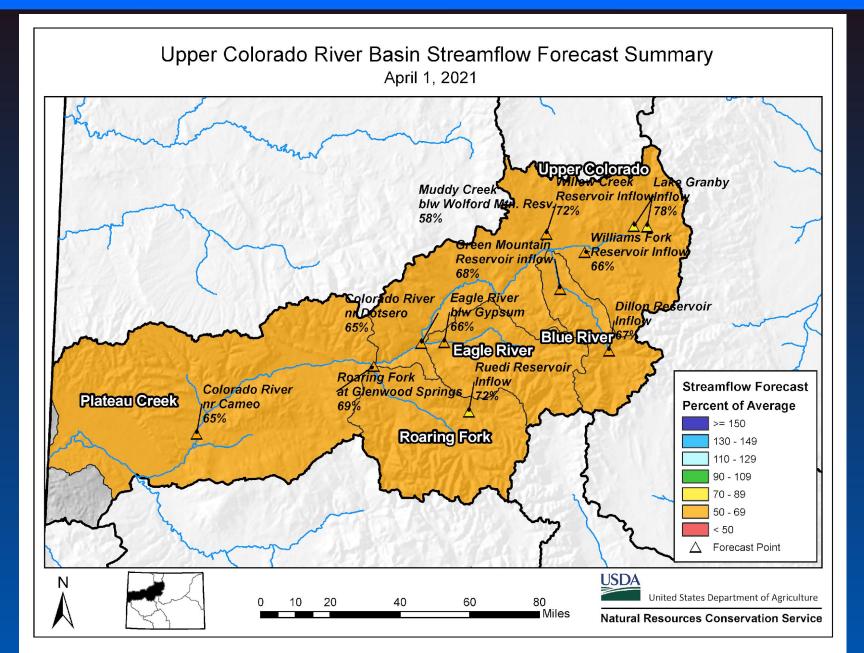




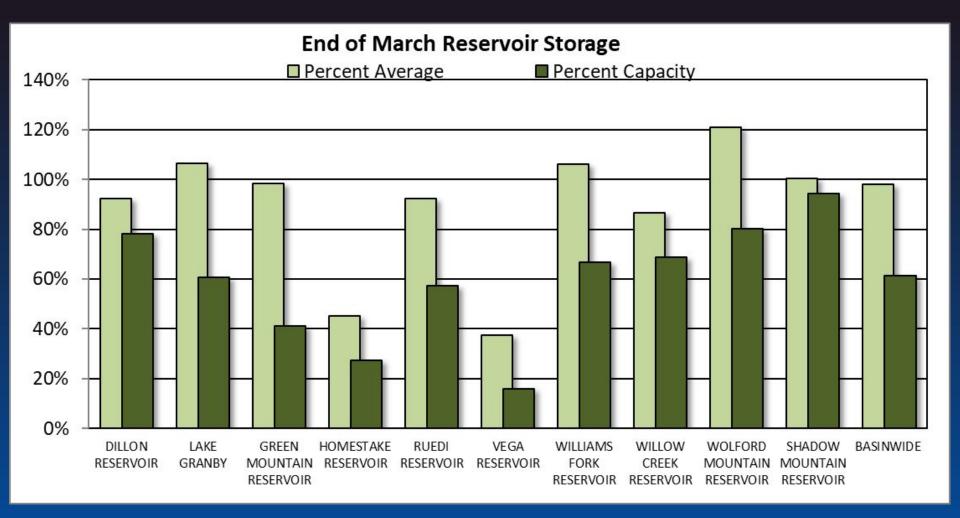
#### Upper Colorado River Basin High/Low Year-to-Date Precipitation Summary Based on Provisional SNOTEL data as of Apr 19,



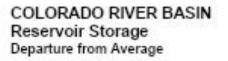


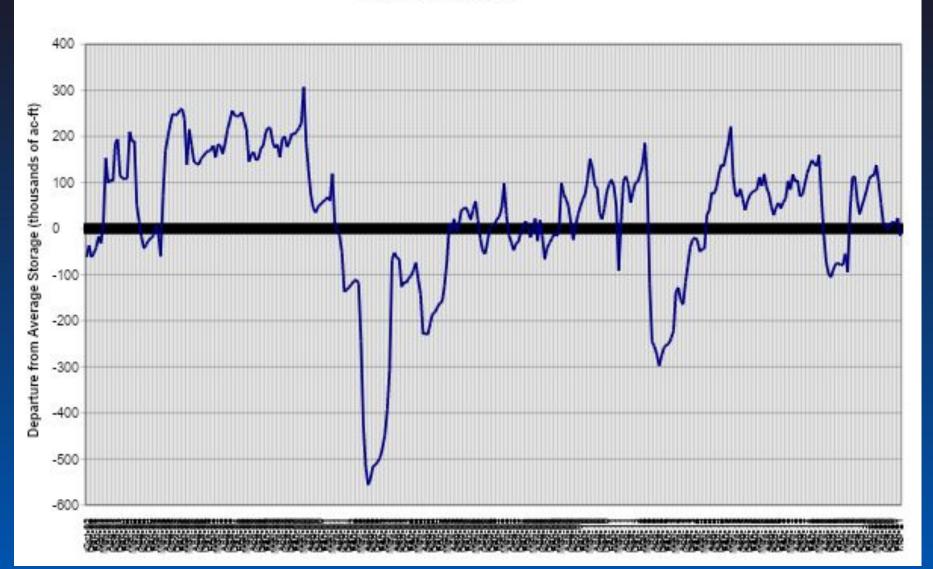








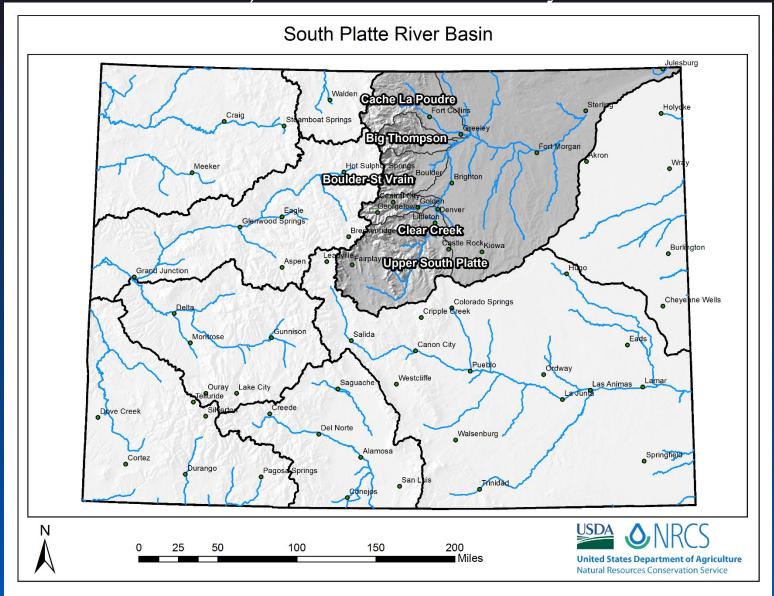






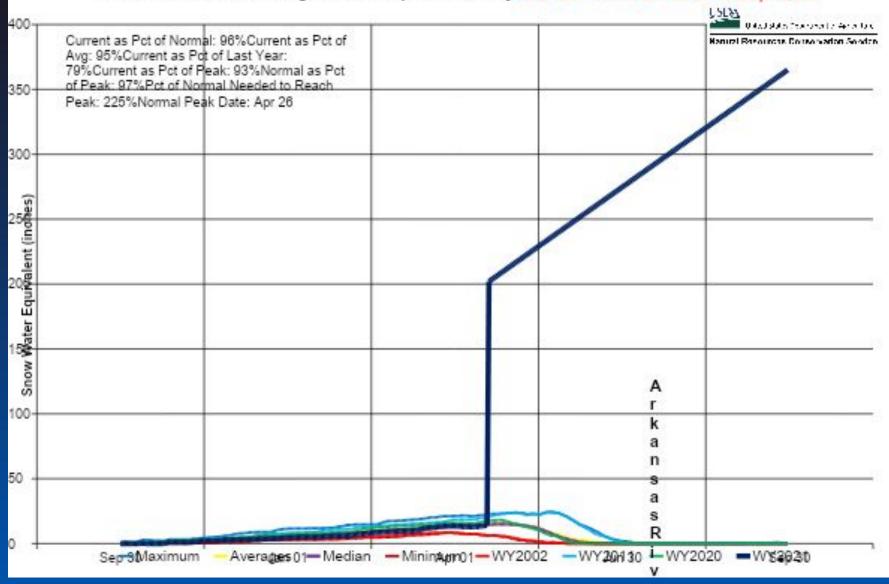
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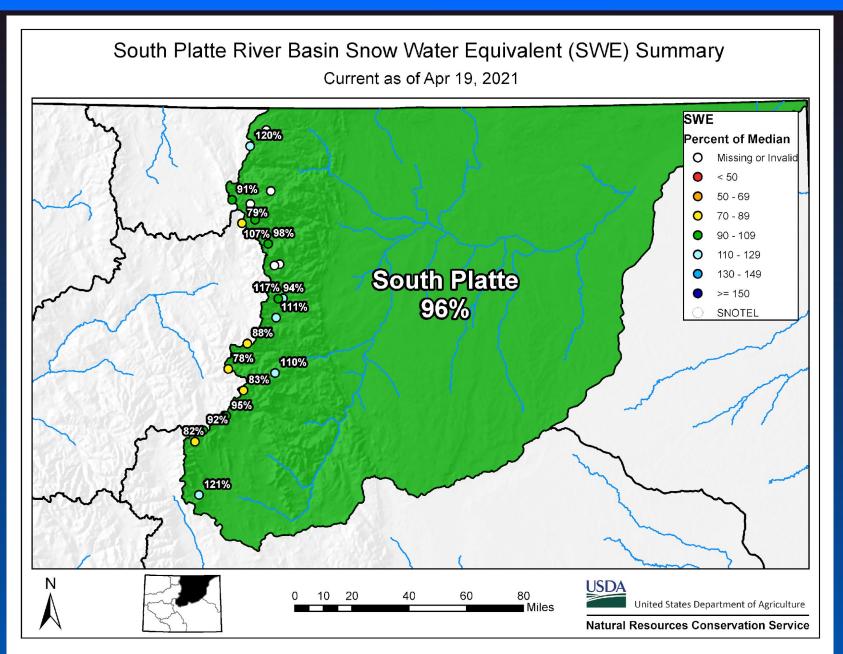




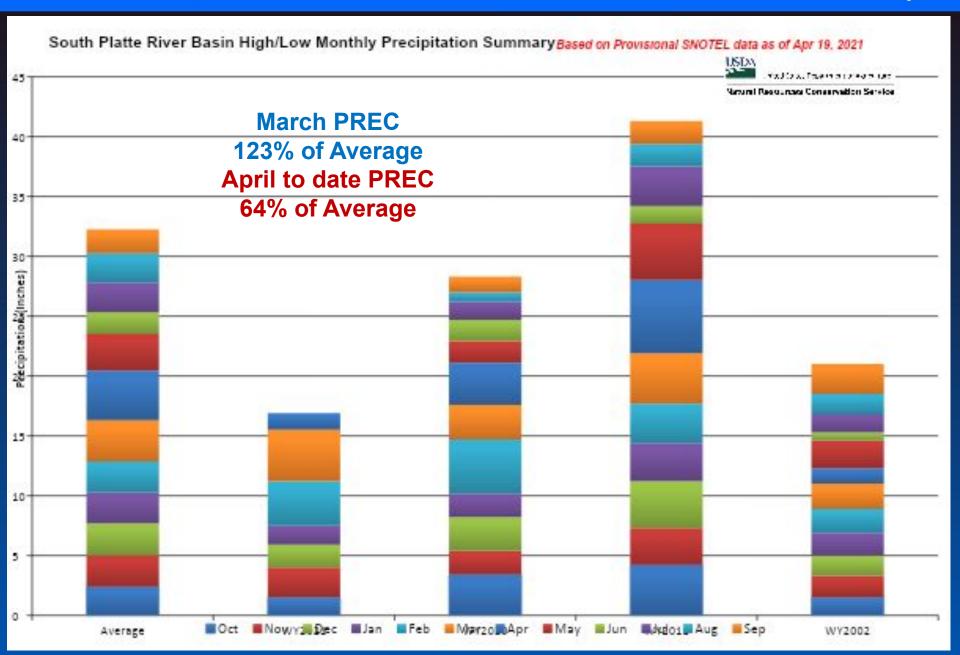
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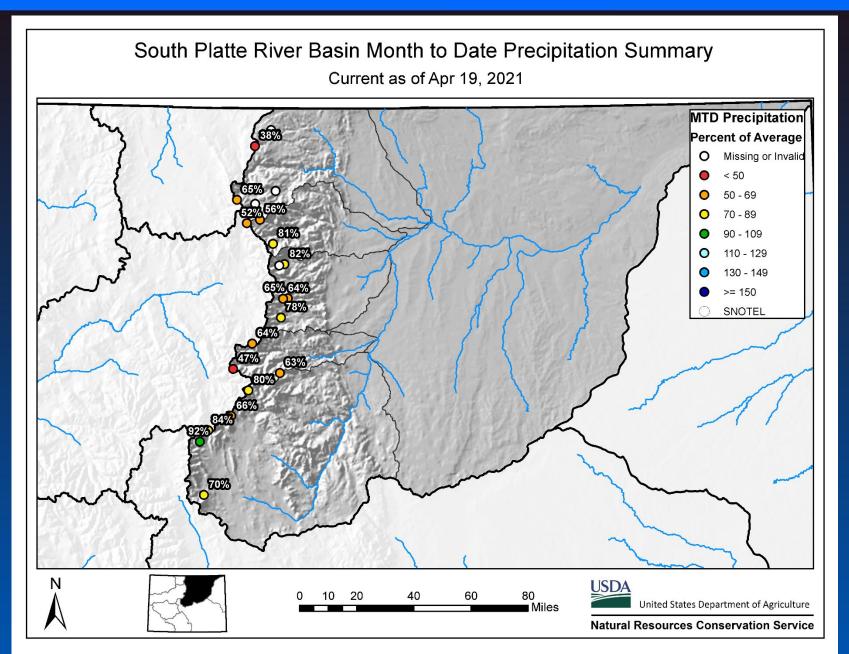






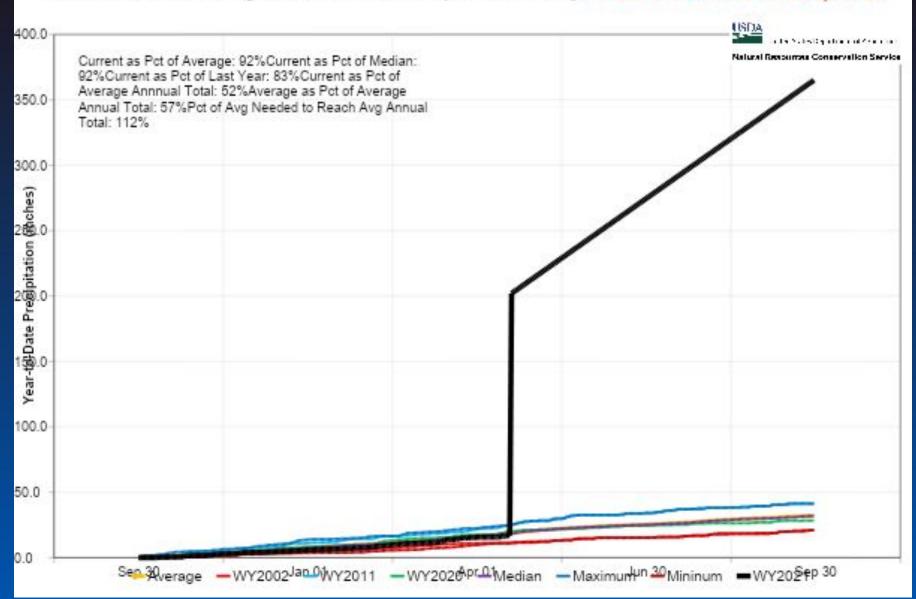




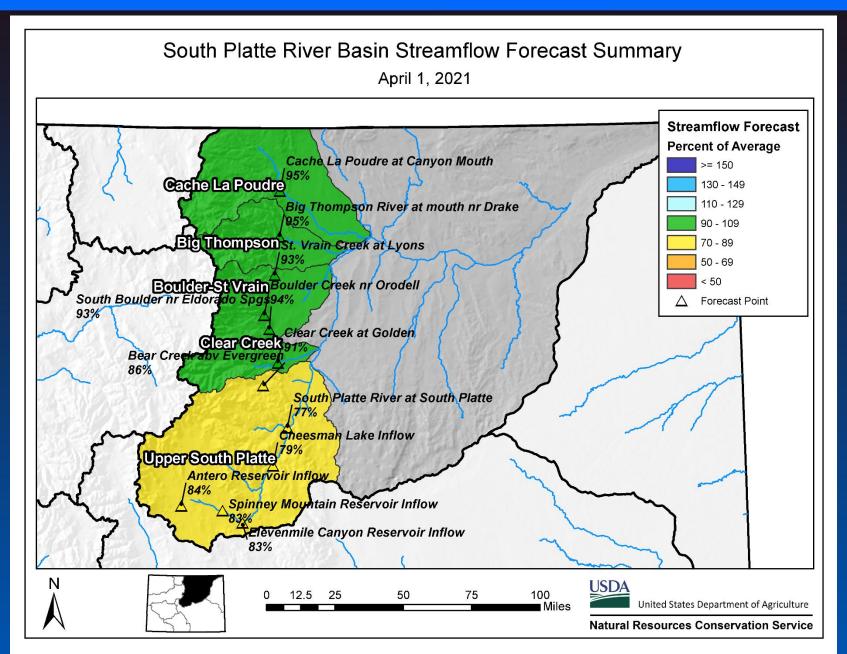




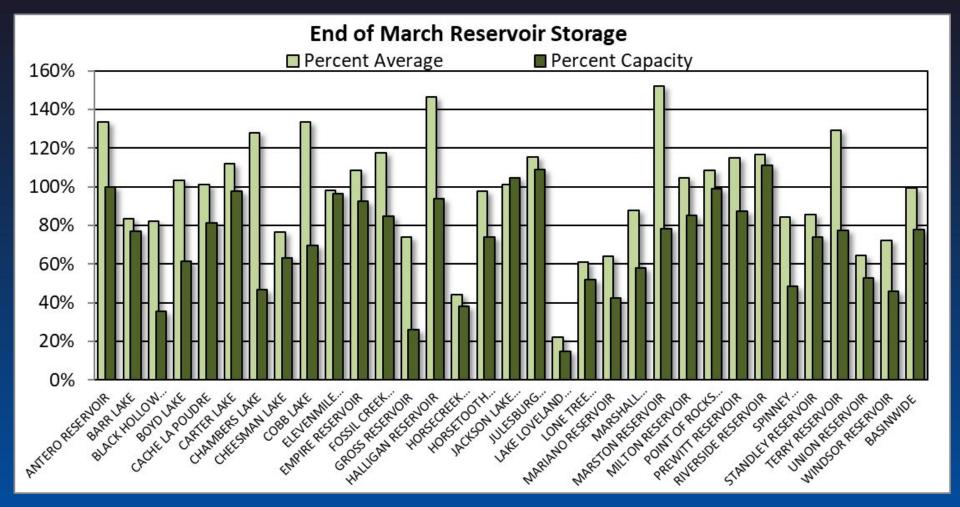
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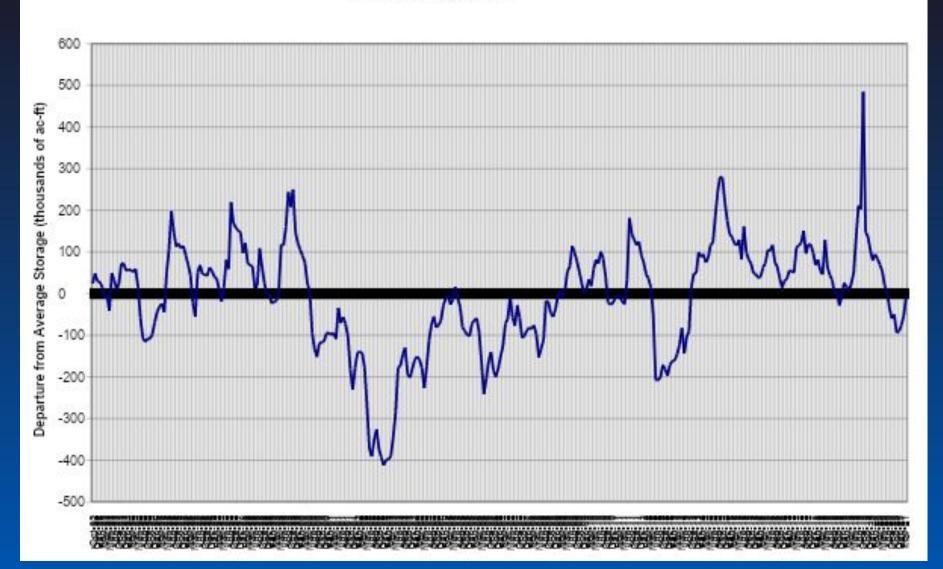








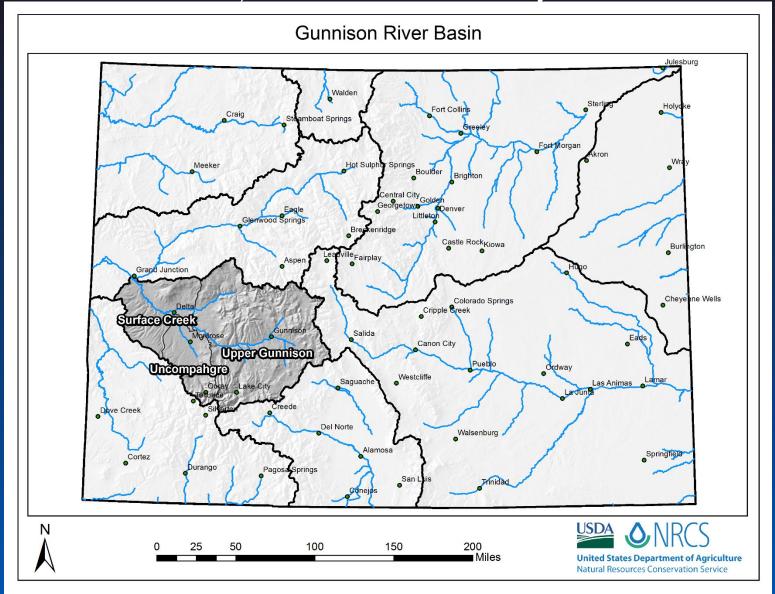
#### SOUTH PLATTE RIVER BASIN Reservoir Storage Departure from Average





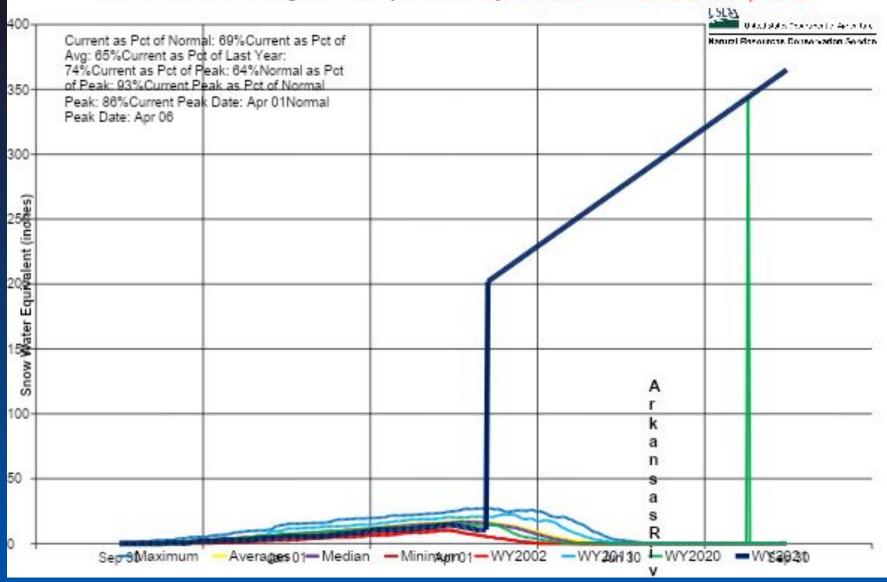
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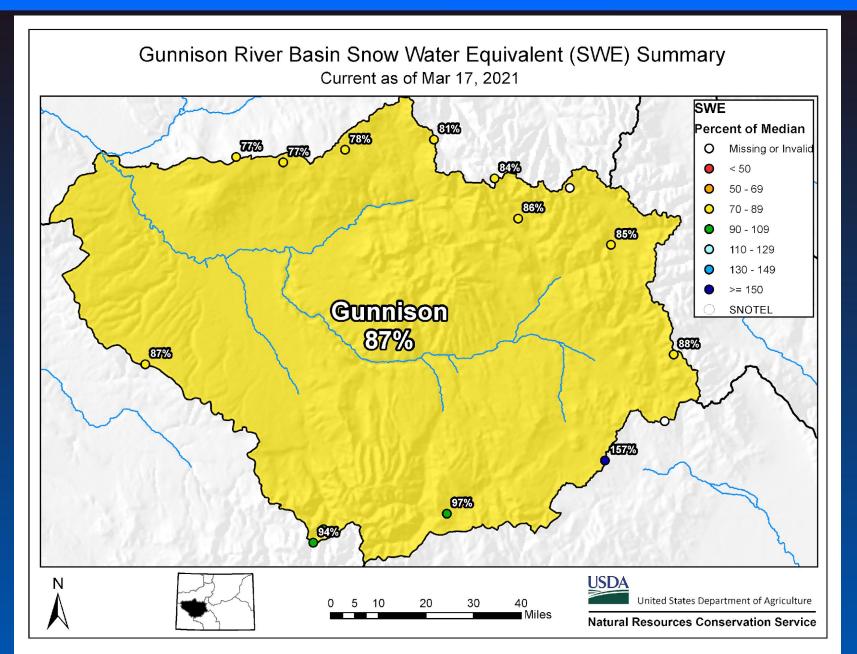
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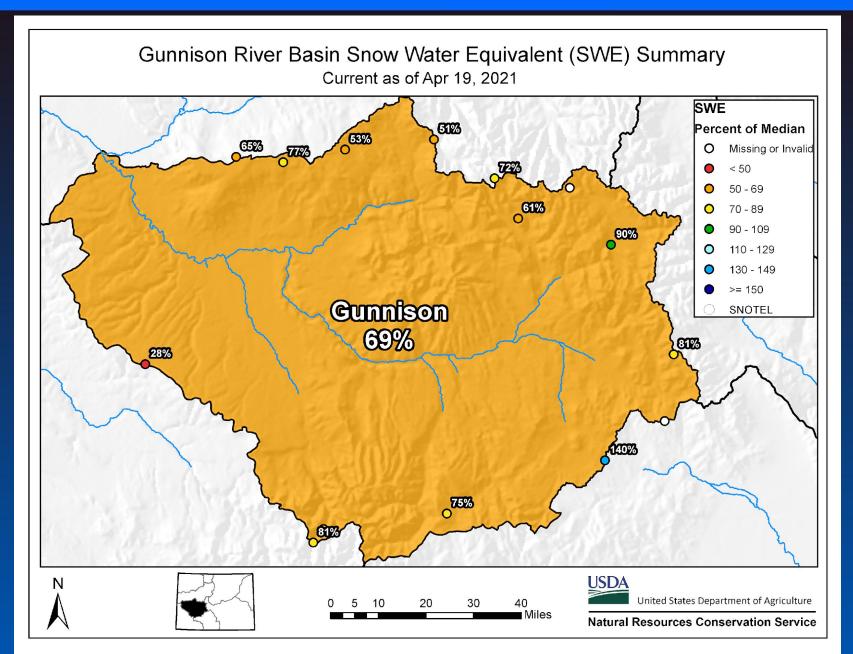




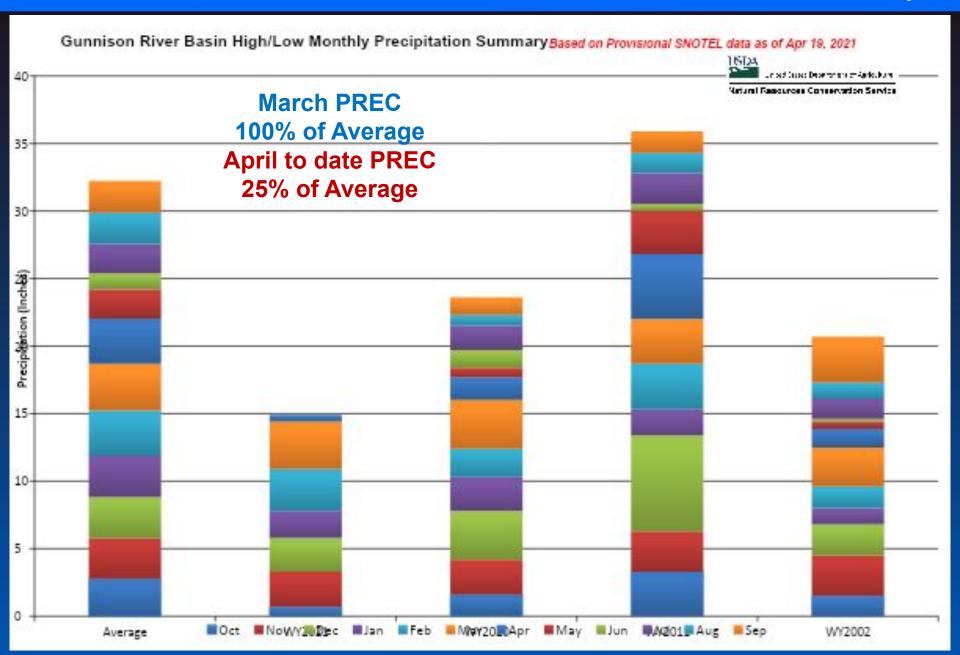
#### Gunnison River Basin High/Low Snowpack SummaryBased on Provisional SNOTEL data as of Apr 19, 2021



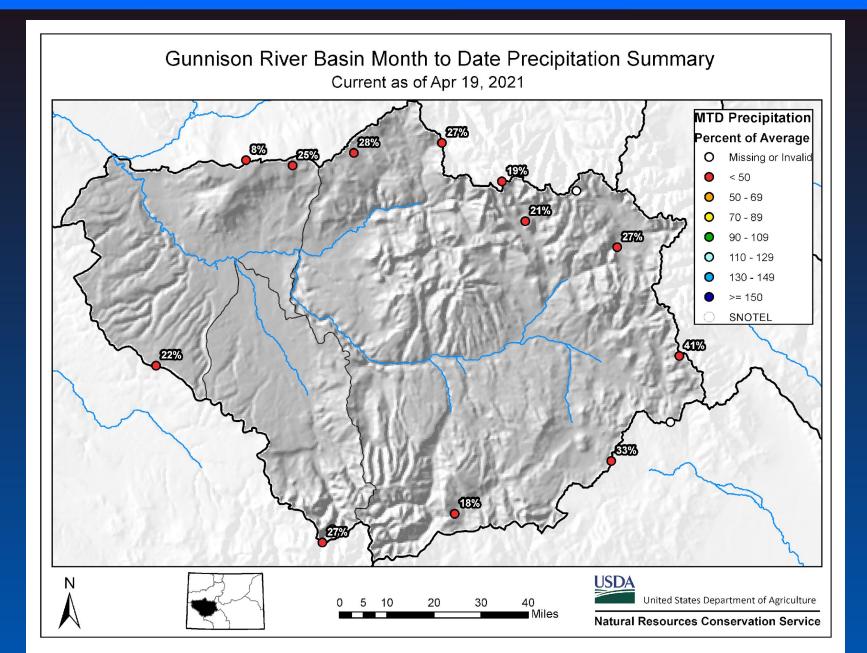






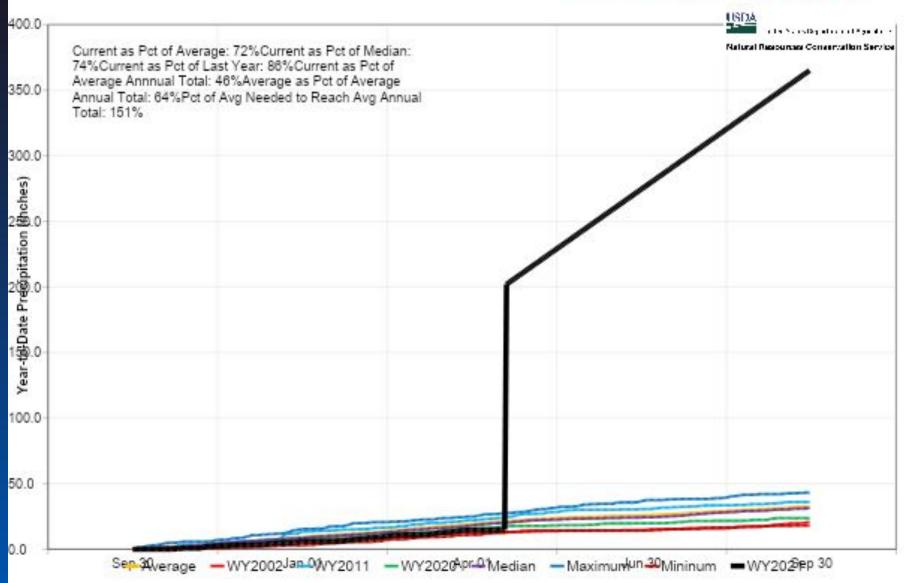




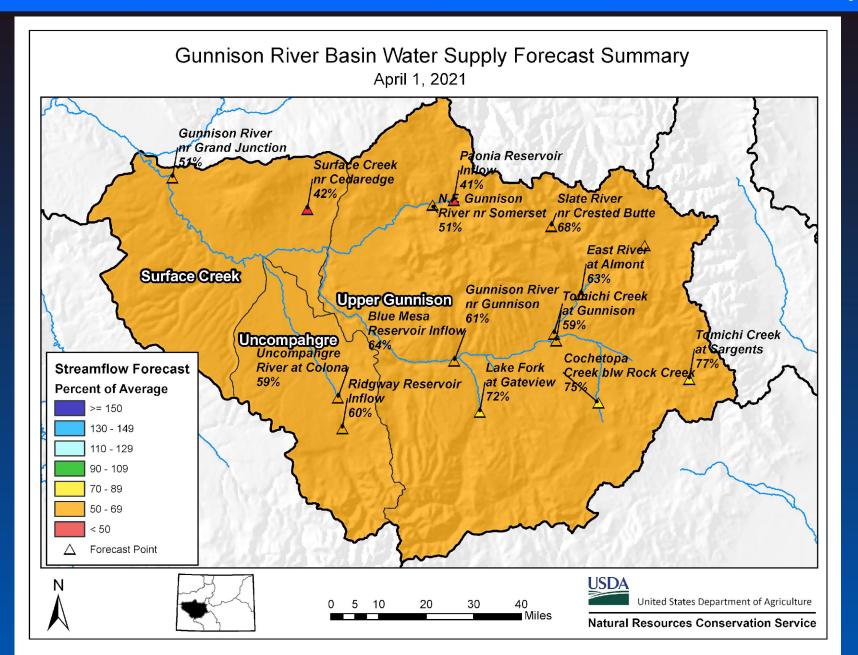




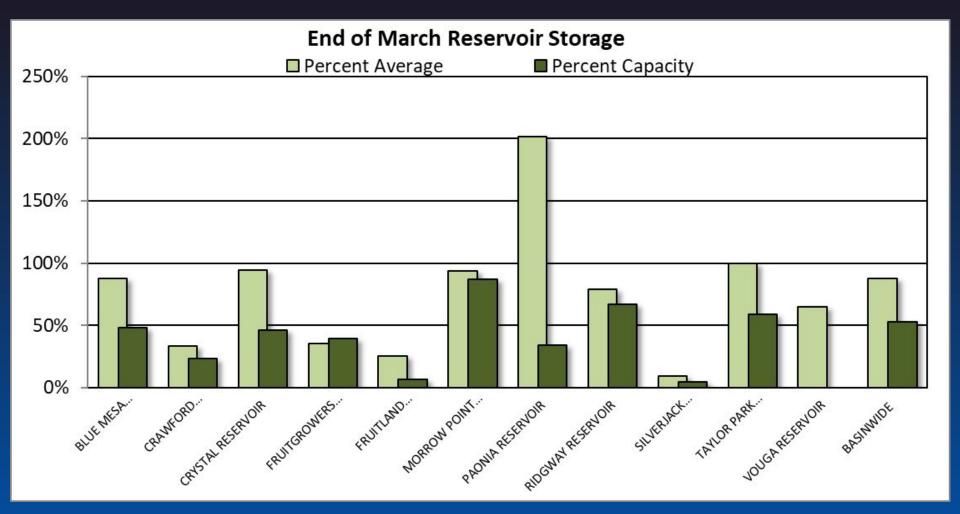
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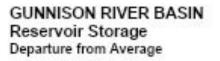


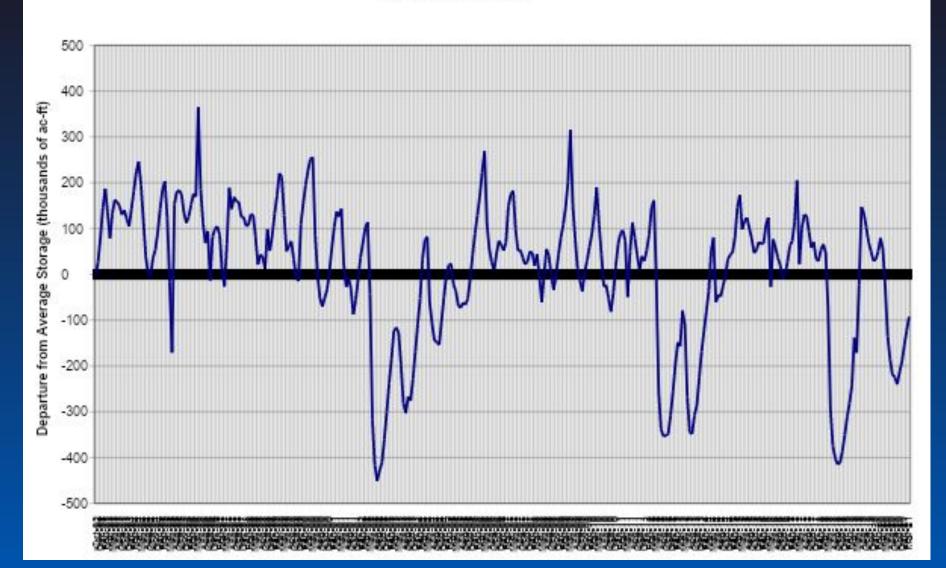










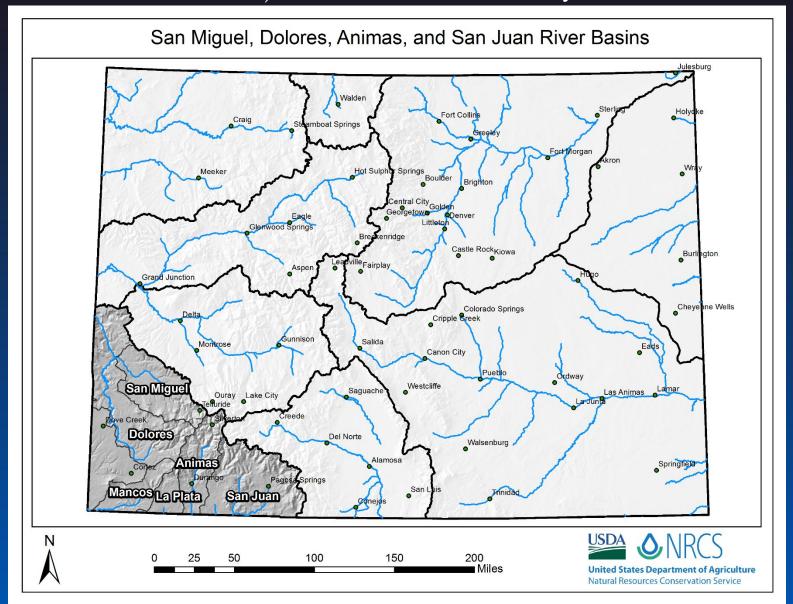


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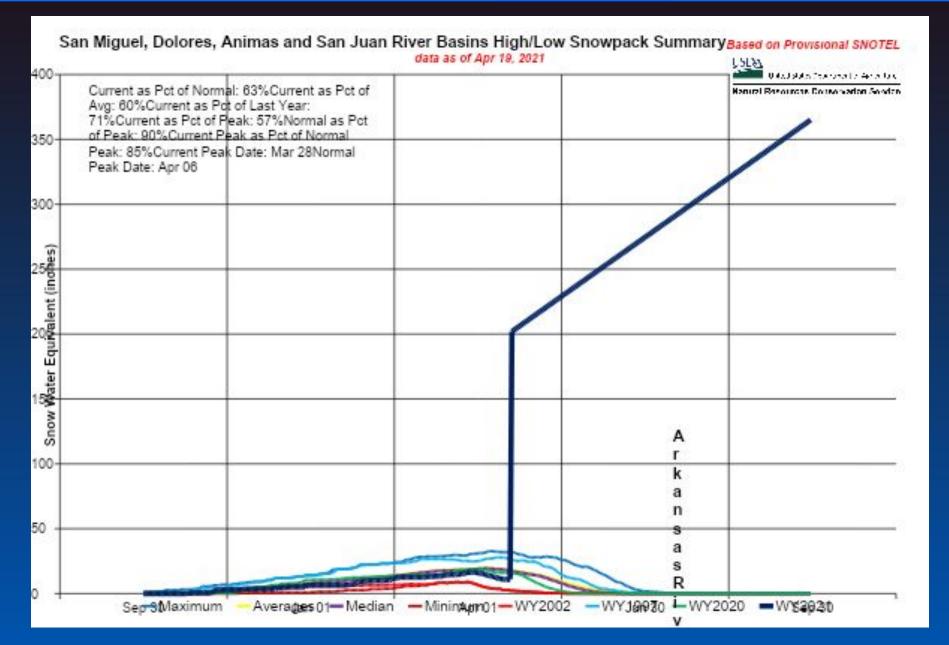
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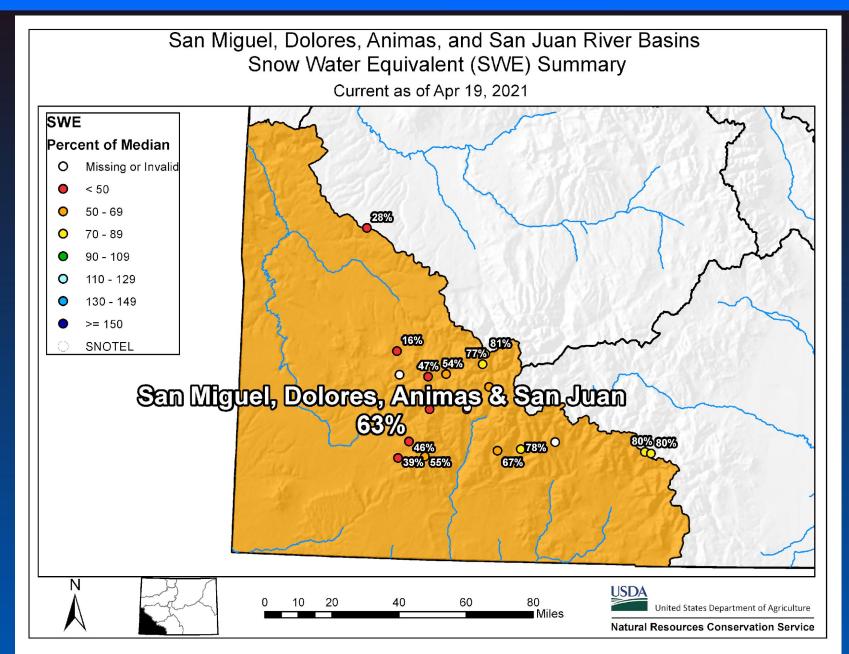
## Major Basin Summary



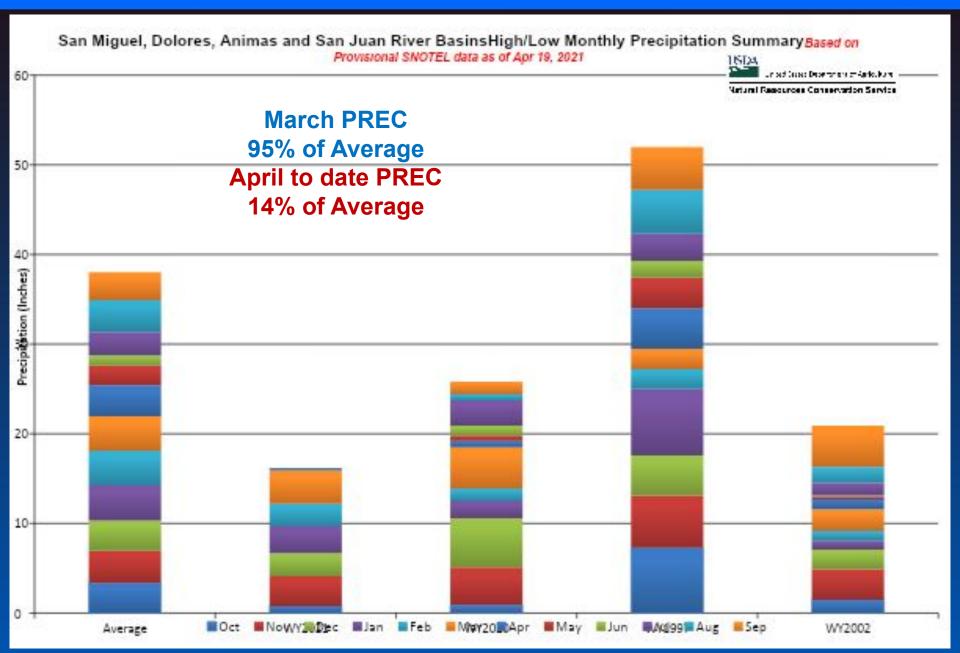




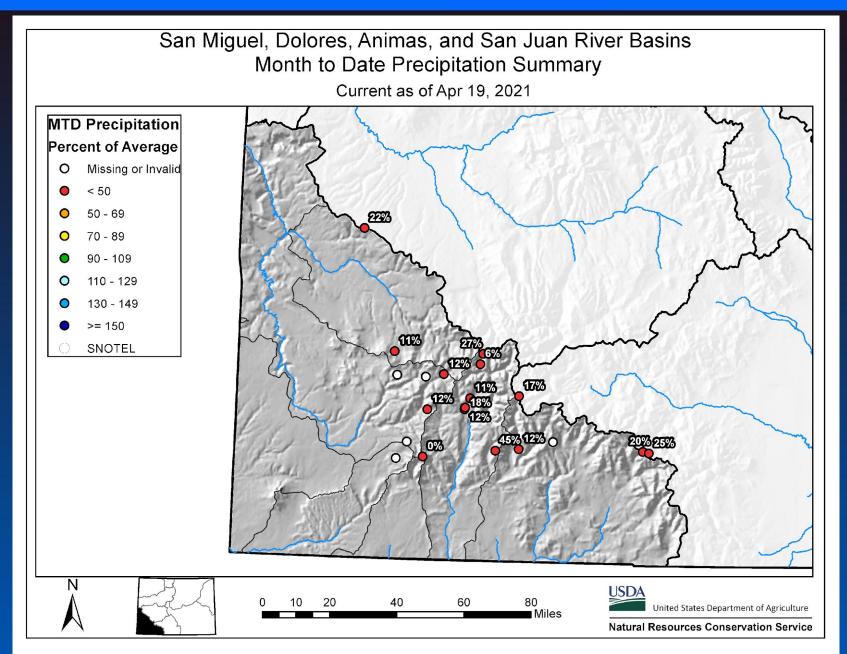


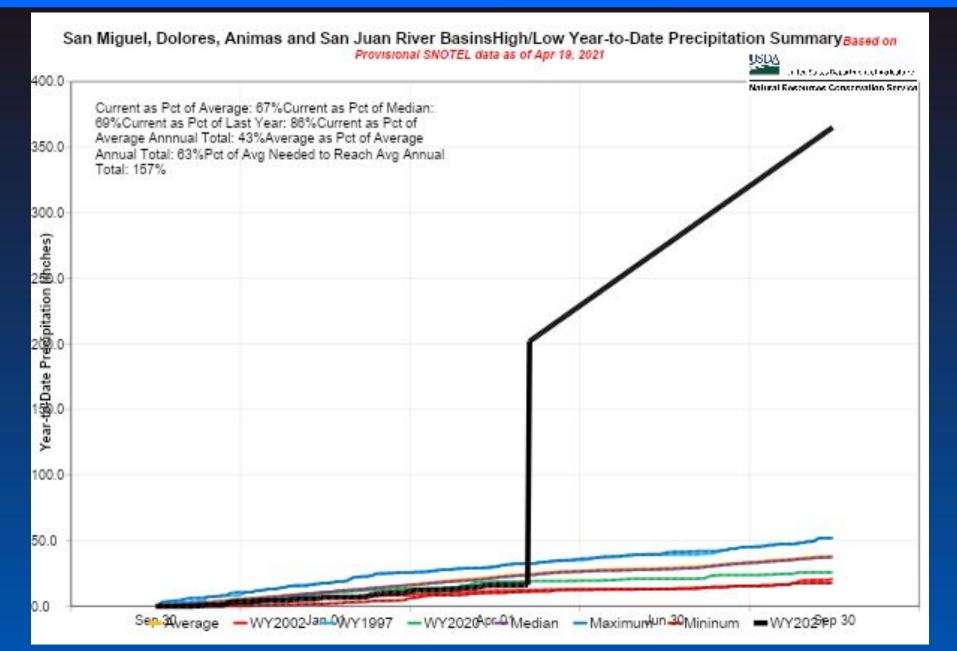


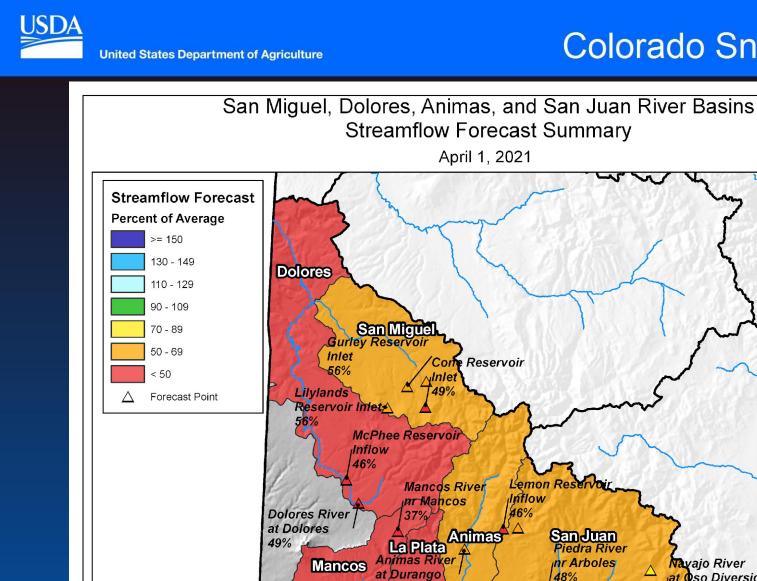












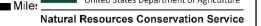
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52%

25

50

12.5



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Navajo River

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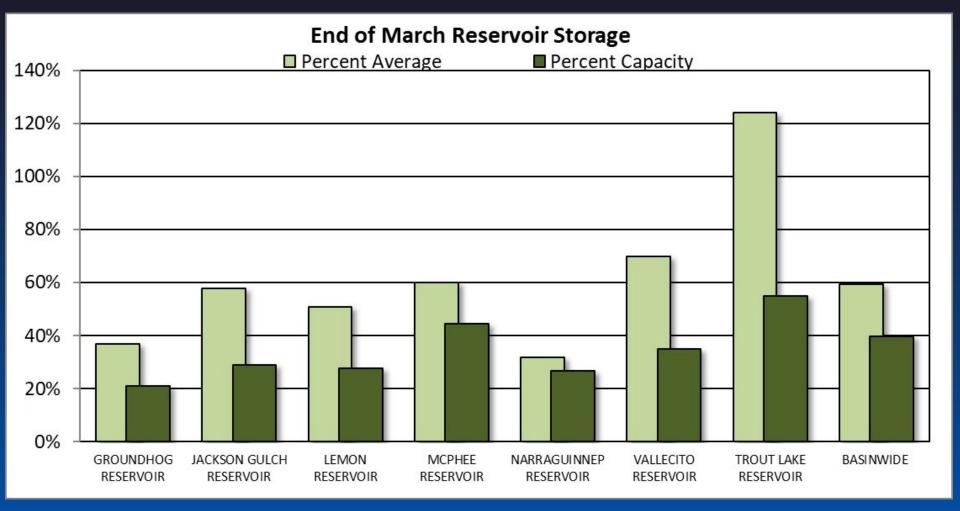
100

San Juan River

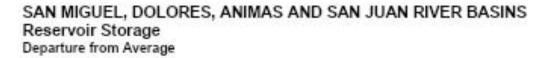
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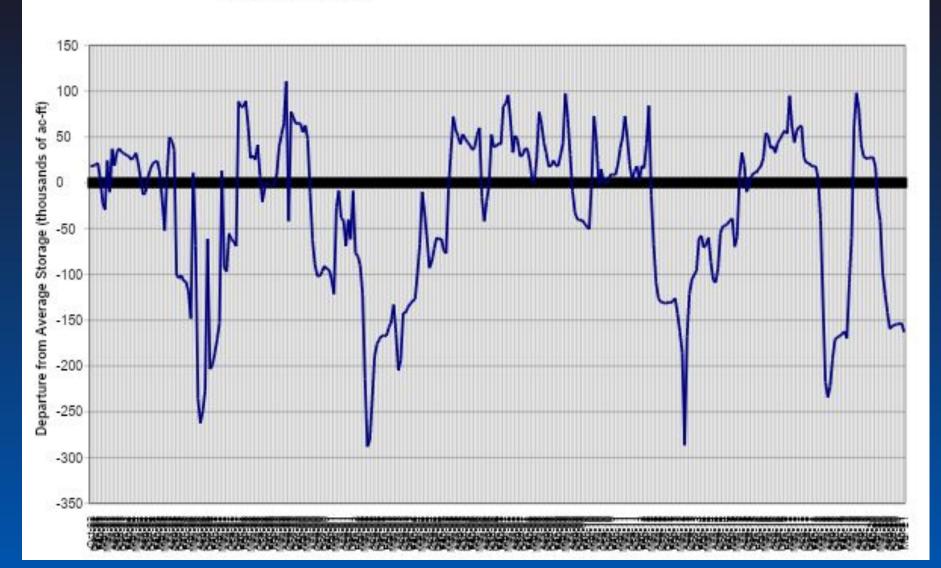
75







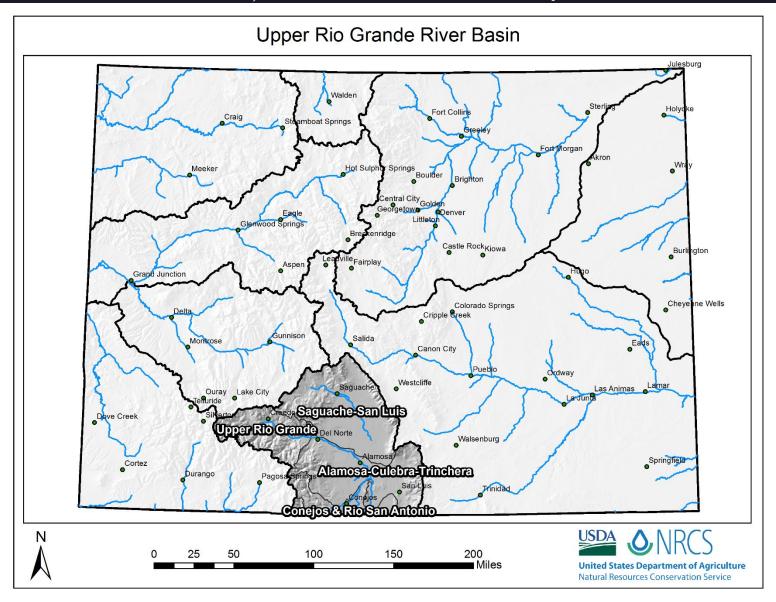






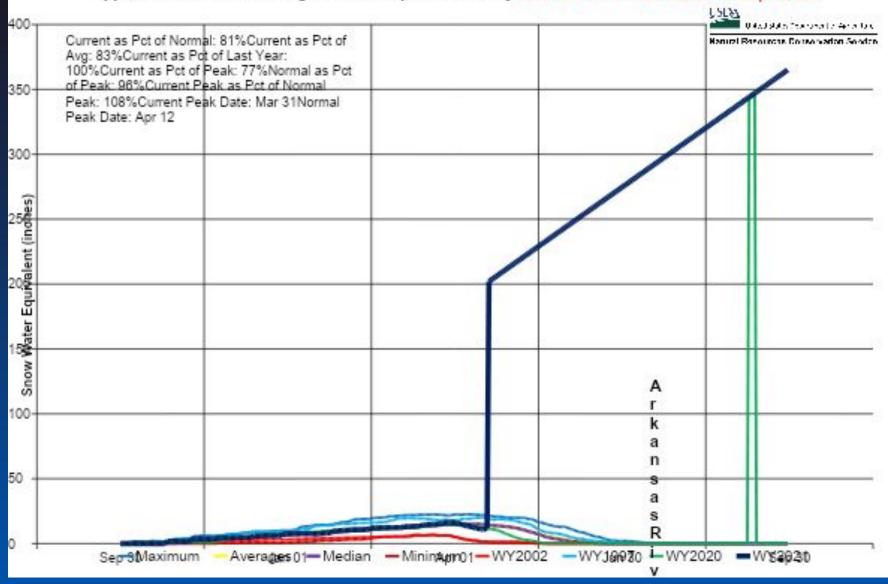
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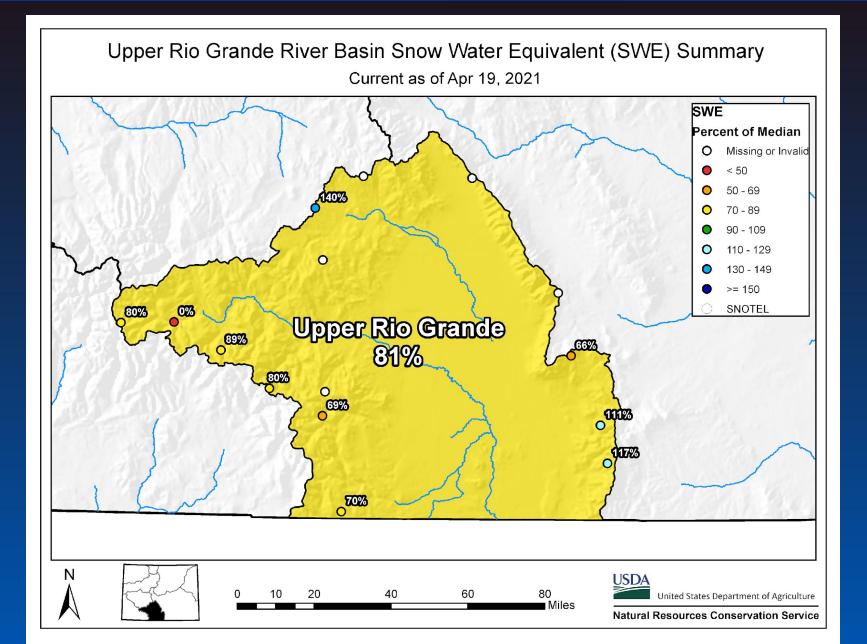
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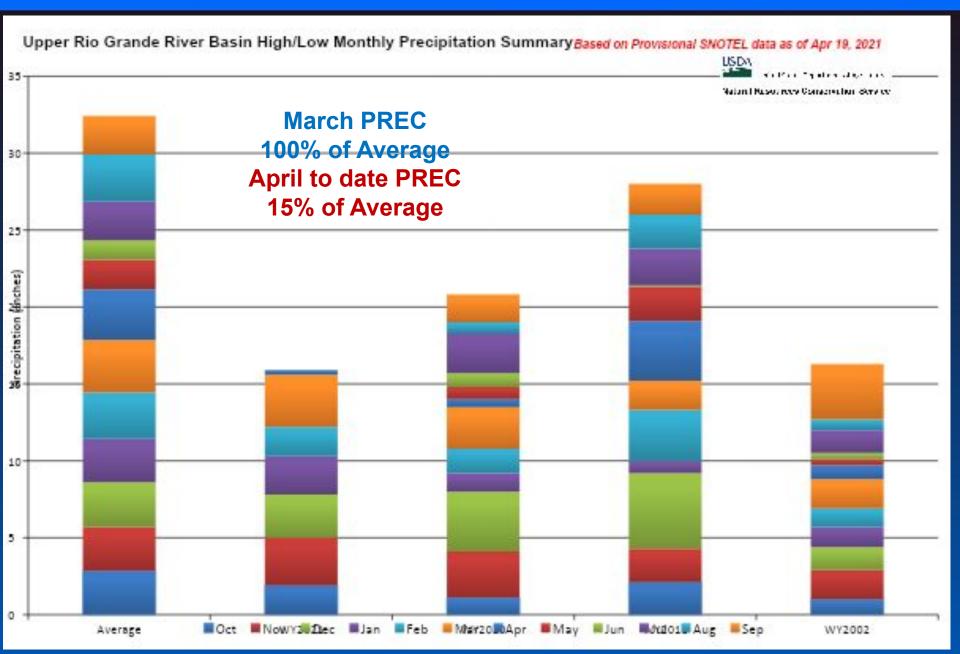


#### Upper Rio Grande Basin High/Low Snowpack Summary Based on Provisional SNOTEL data as of Apr 19, 2021

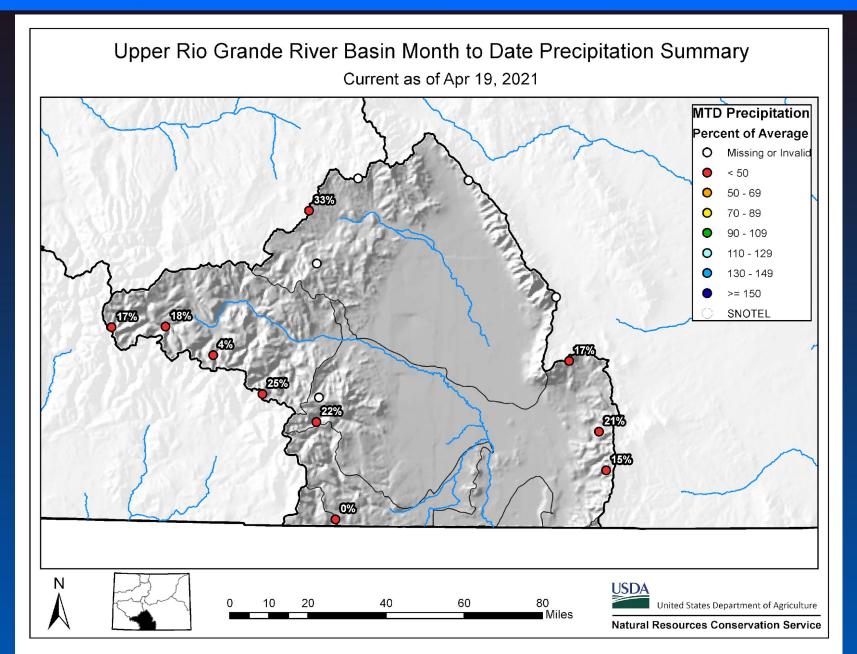








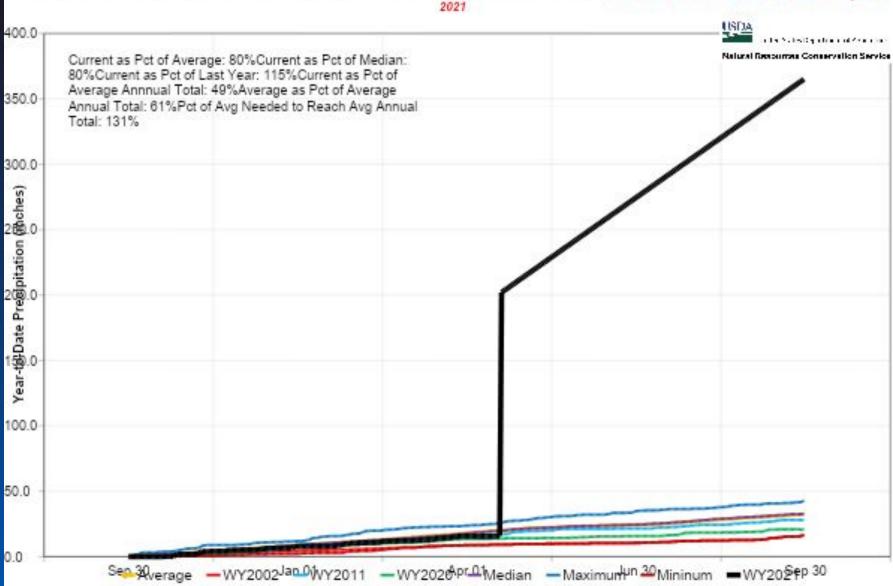




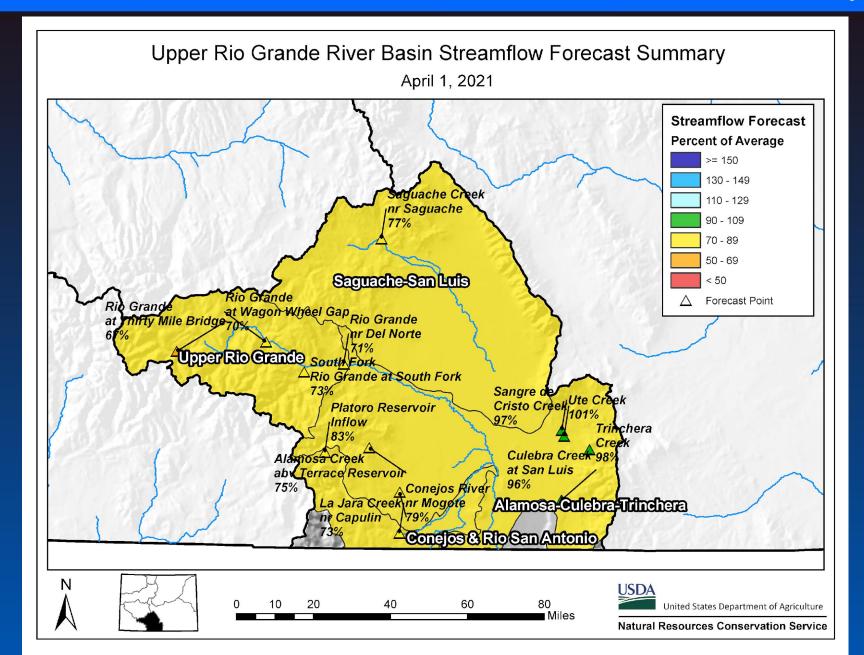




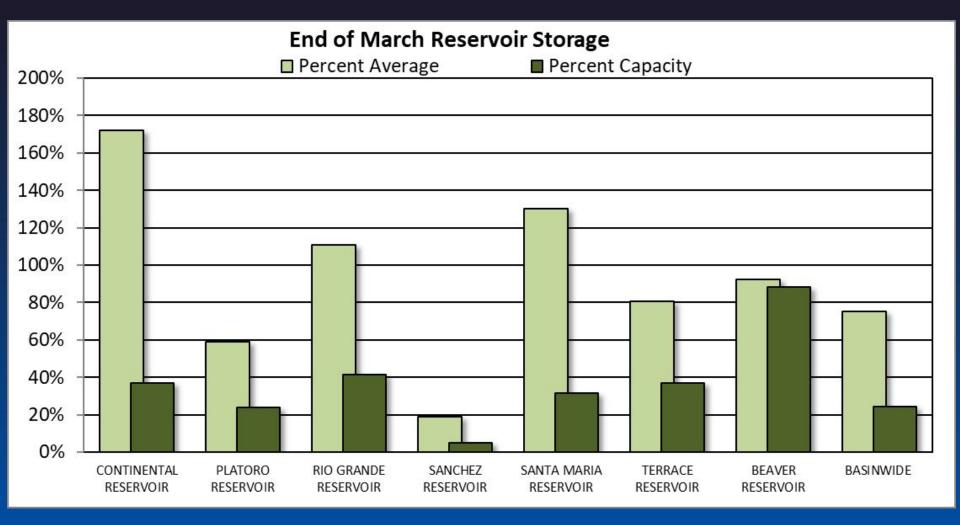
#### Upper Rio Grande River Basin High/Low Year-to-Date Precipitation Summary Based on Provisional SNOTEL data as of Apr 19,





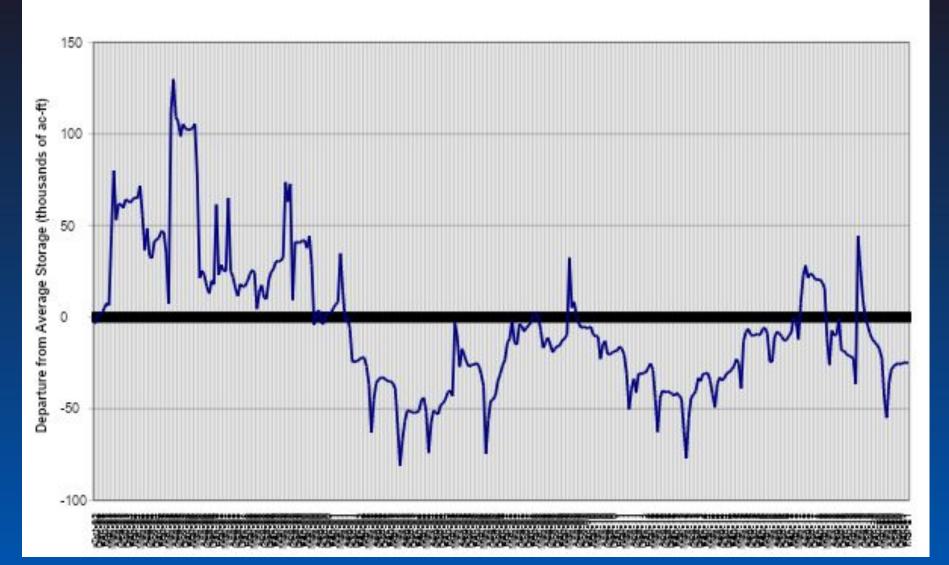








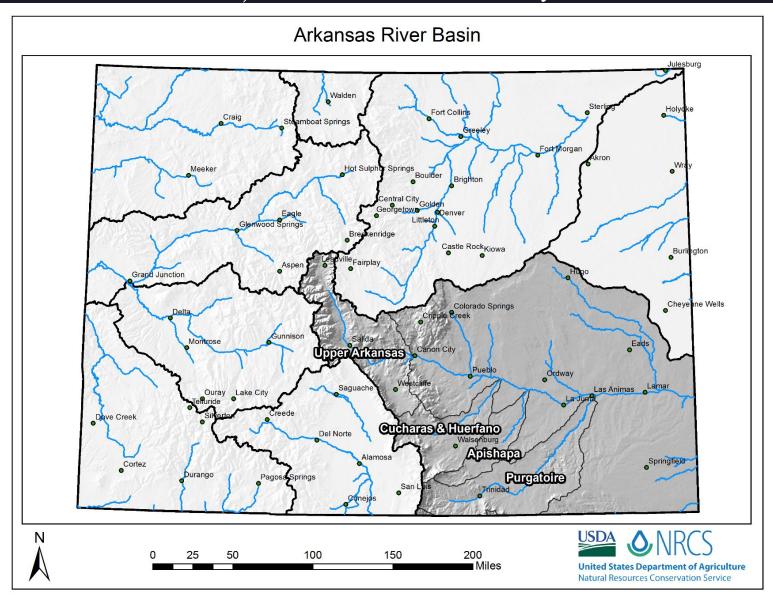






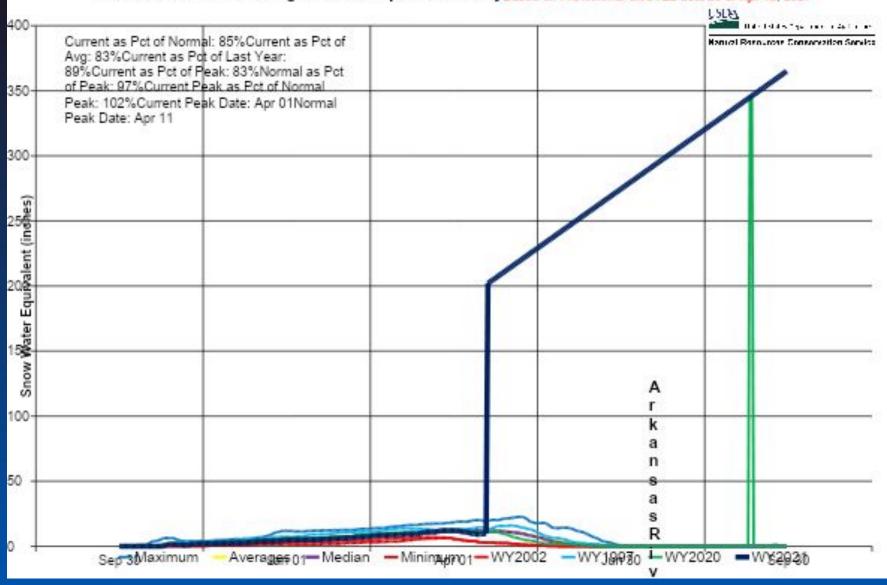
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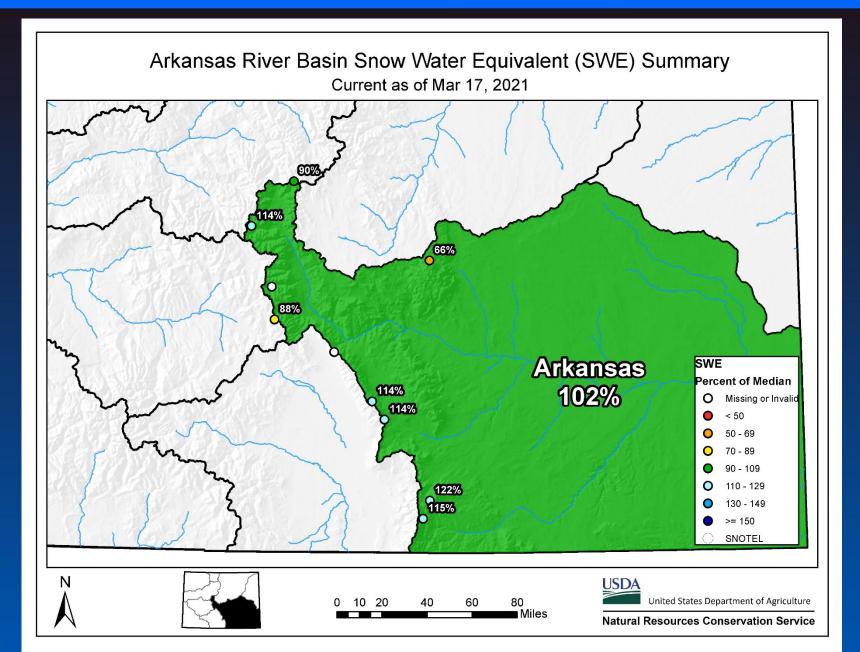
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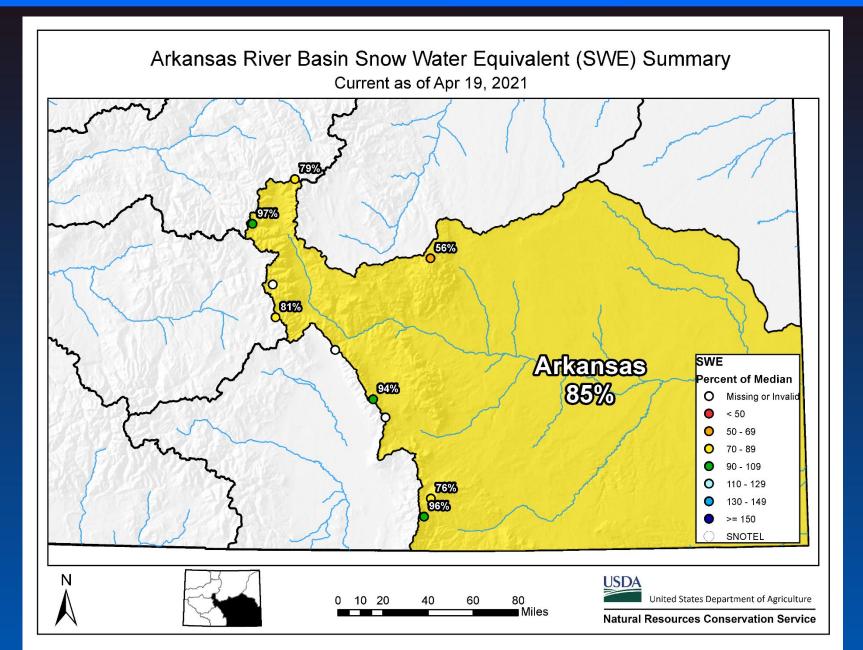




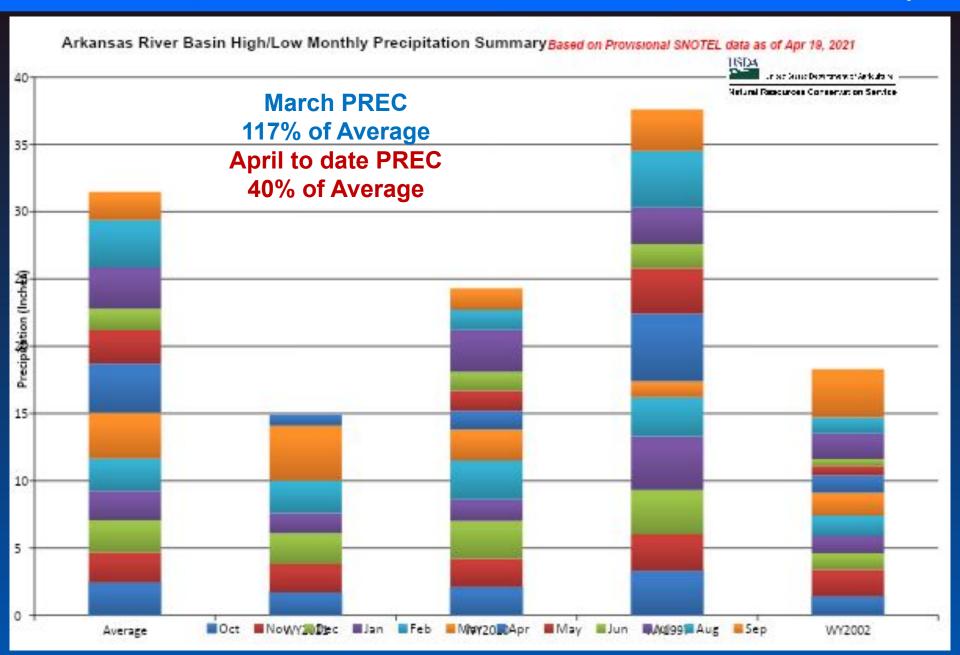
#### Arkansas River Basin High/Low Snowpack SummaryBased on Provisional SNOTEL data as of Apr 19, 2021



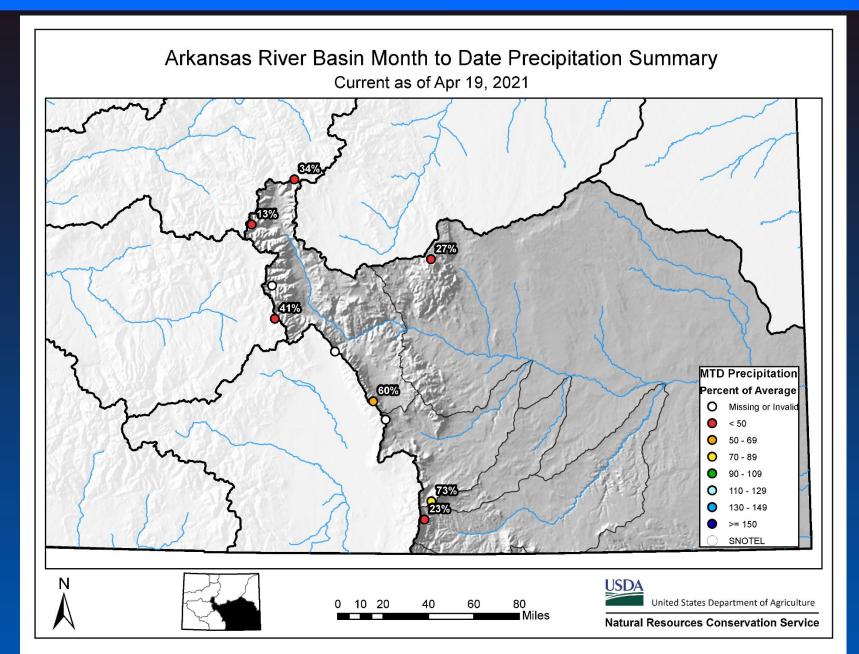






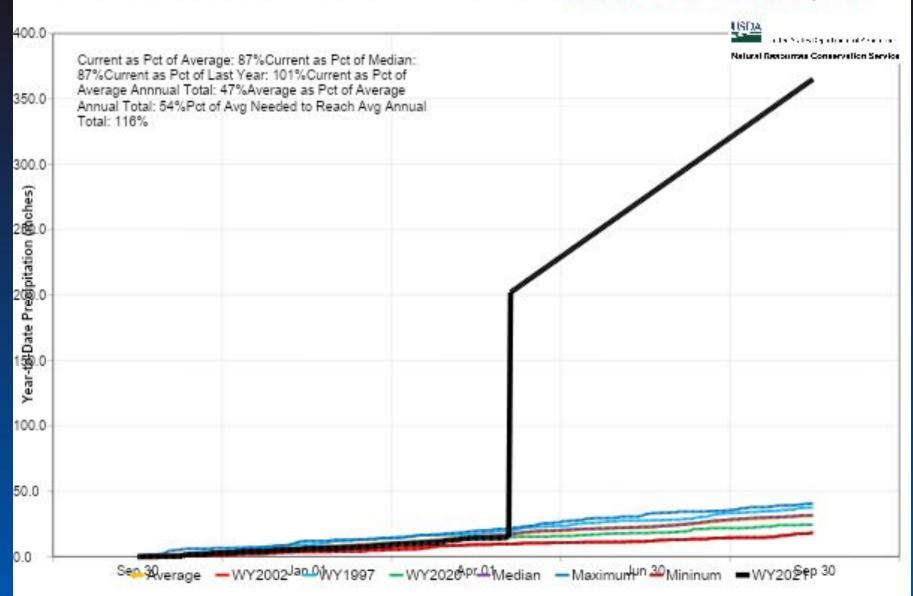




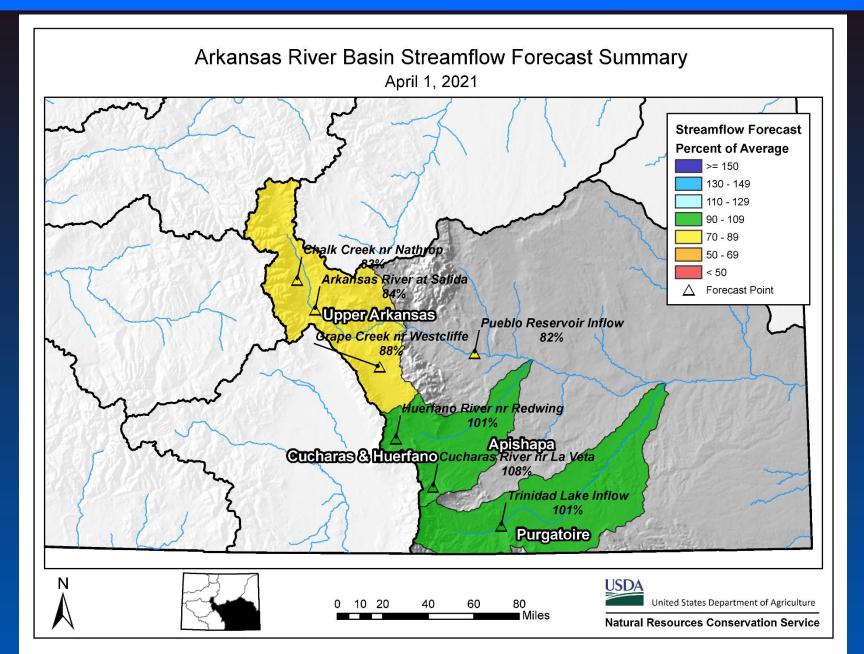




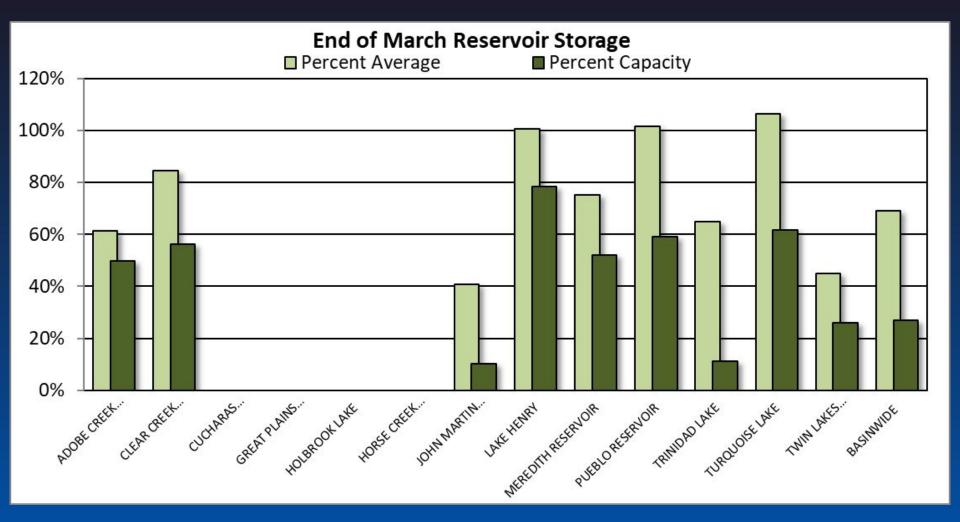
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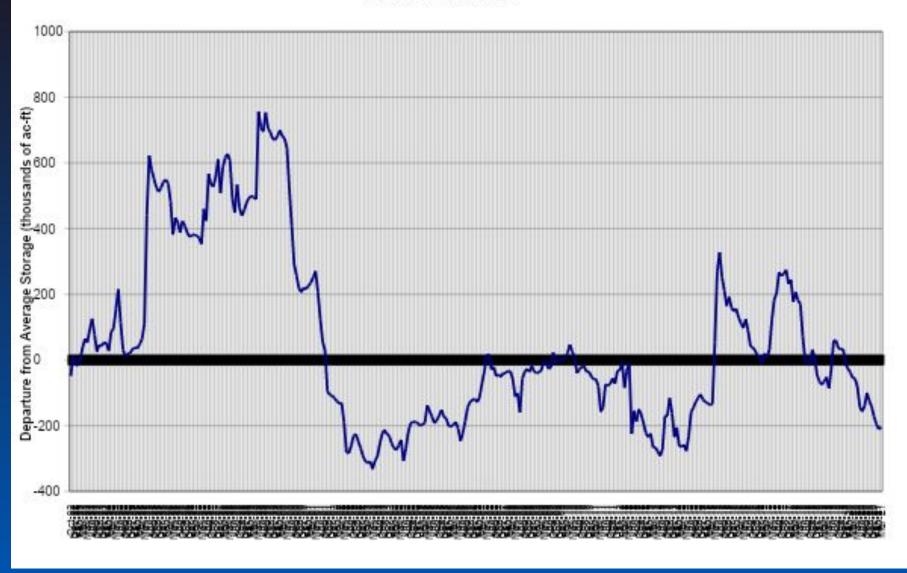






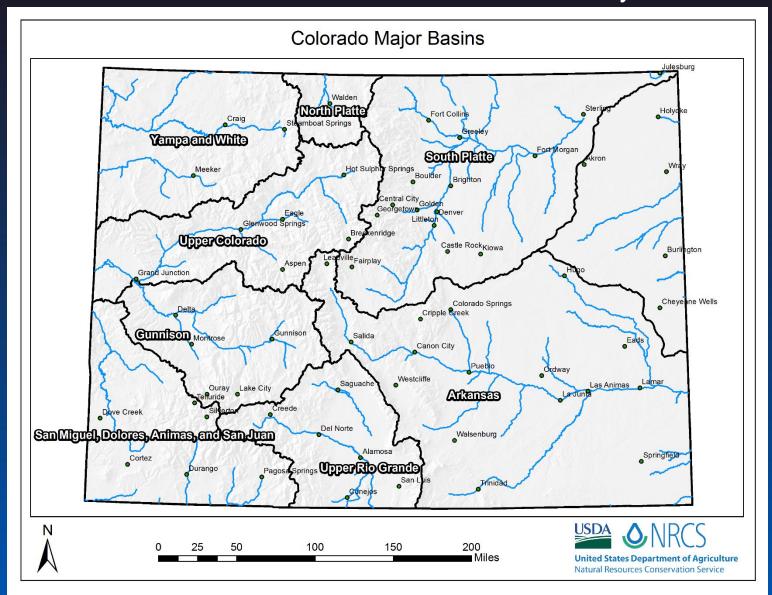


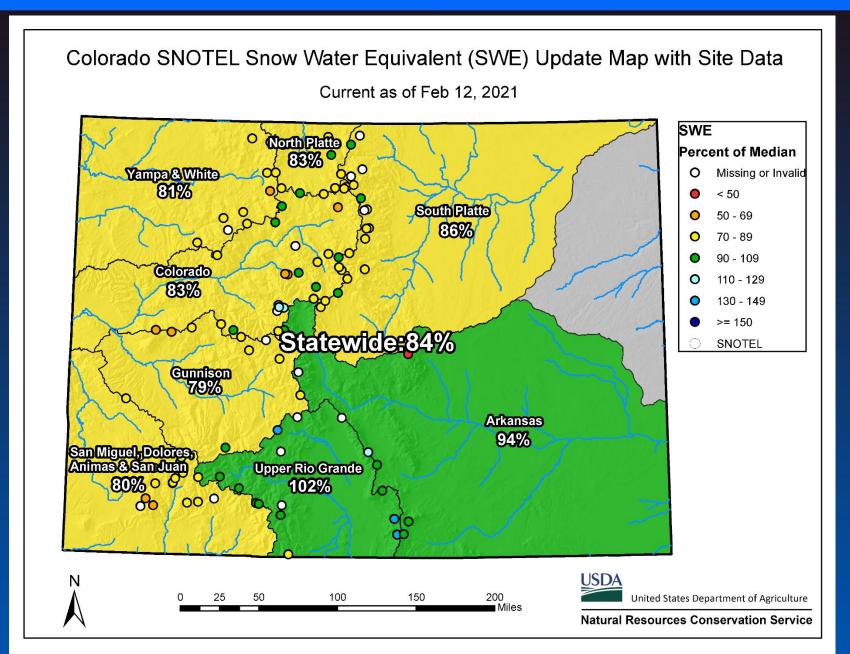
#### ARKANSAS RIVER BASIN Reservoir Storage Departure from Average

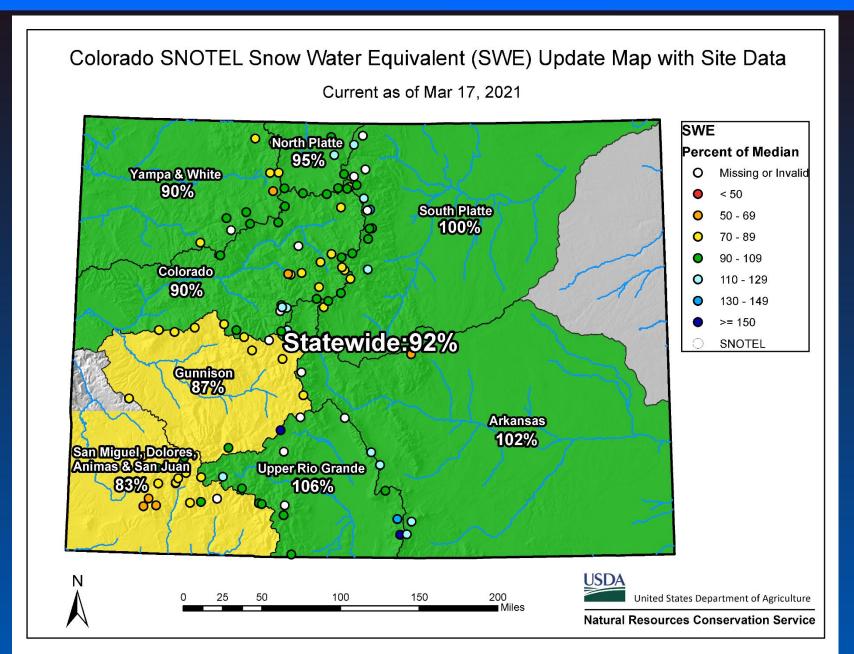


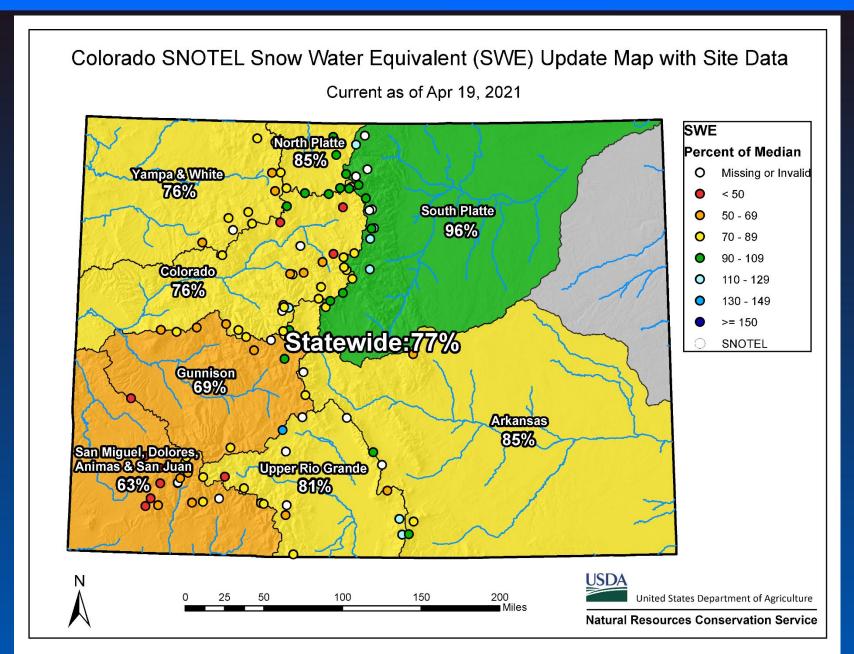


# Colorado Statewide Summary



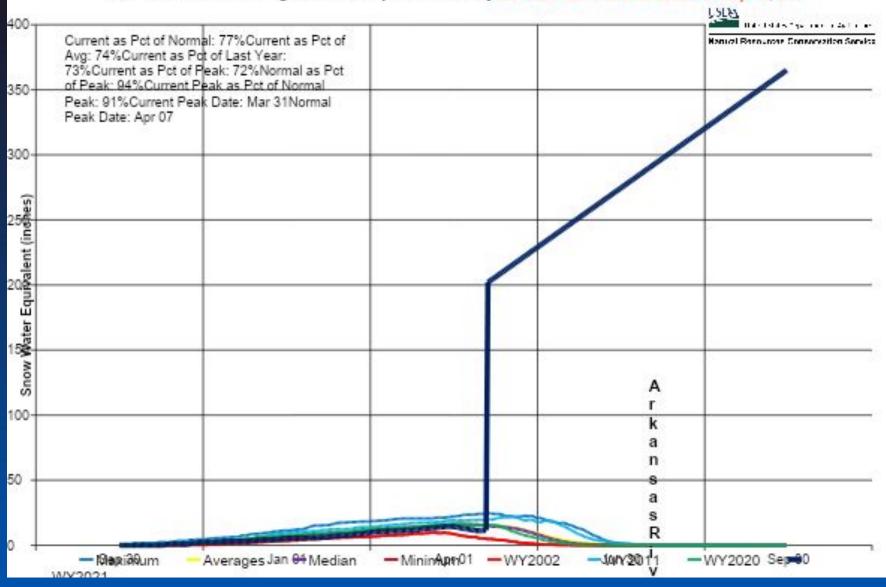




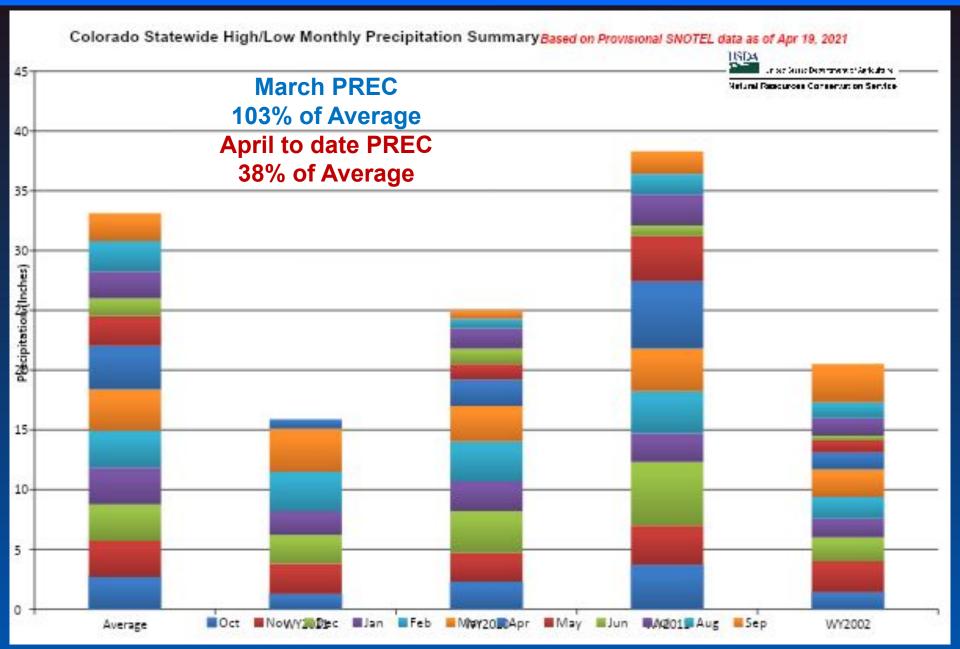




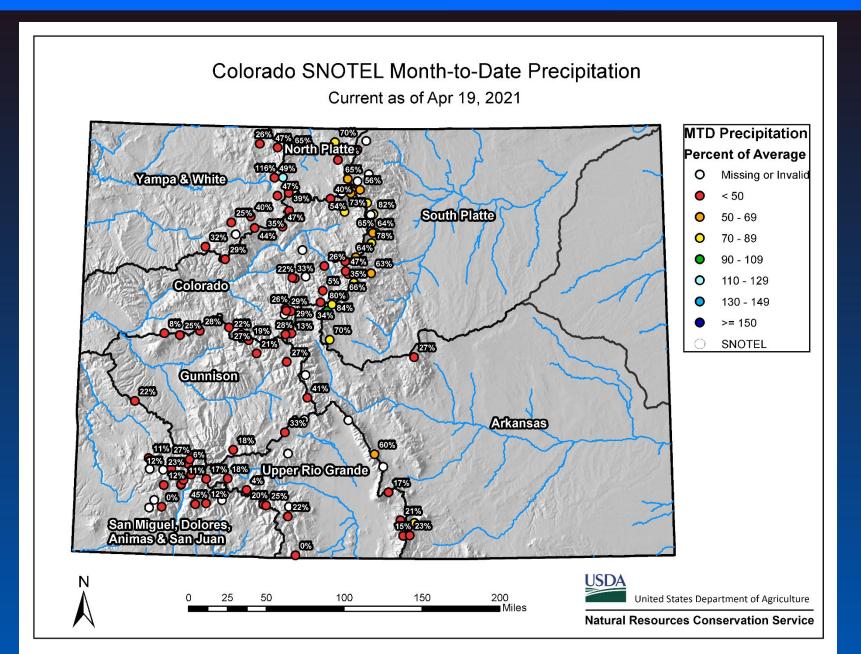
#### Colorado Statewide High/Low Snowpack Summary Based on Provisional SNOTEL data as of Apr 19, 2021







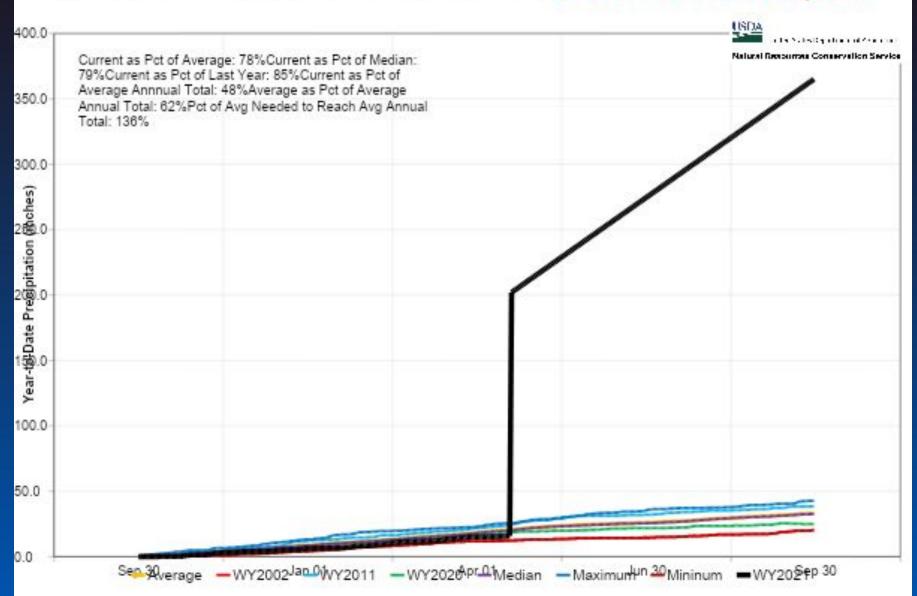




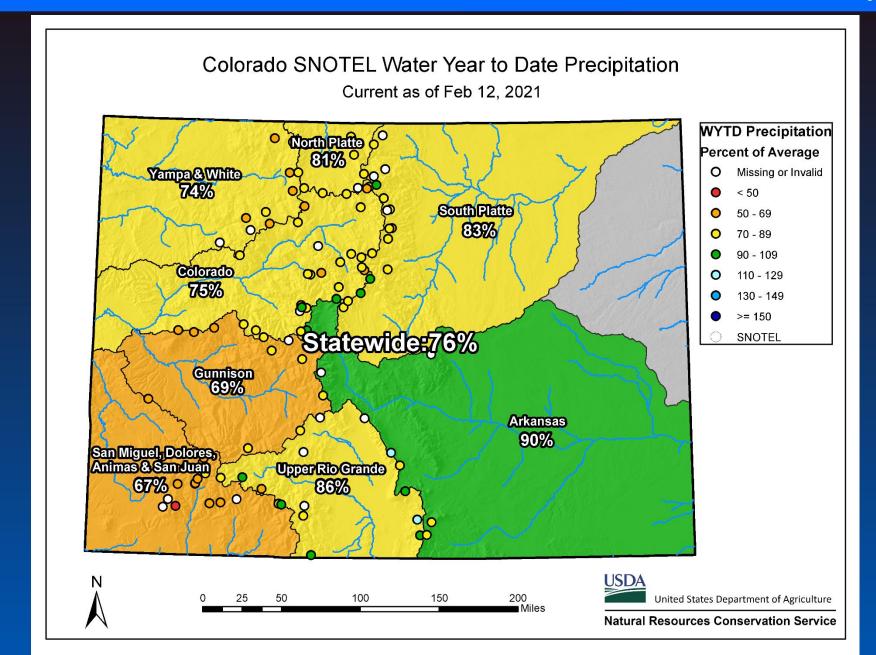


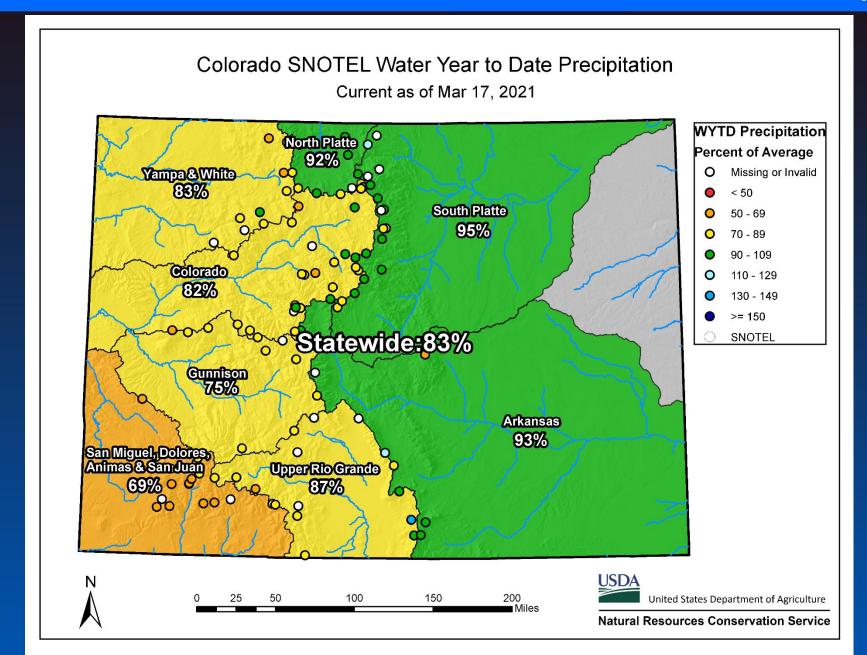
### **Colorado Snow Surveys**

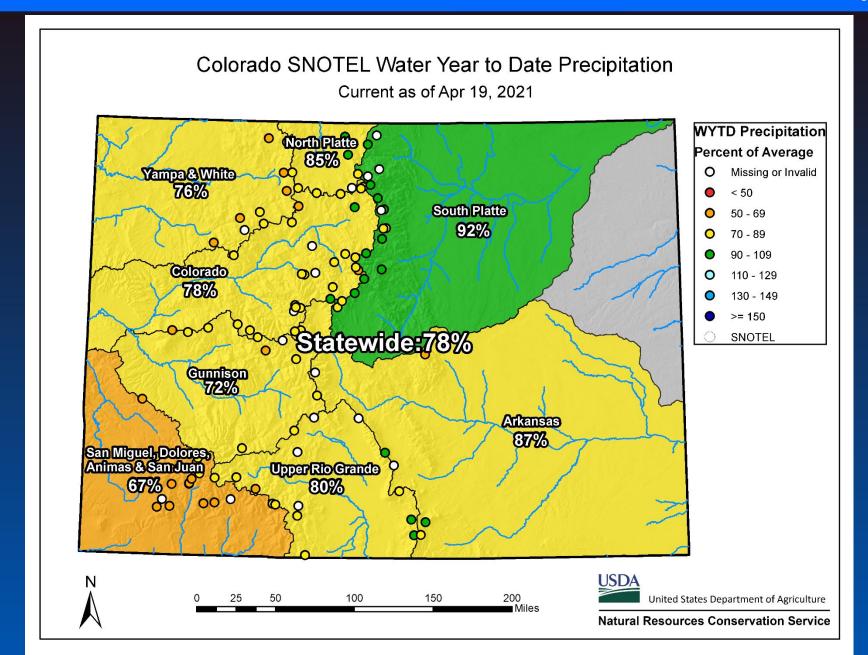
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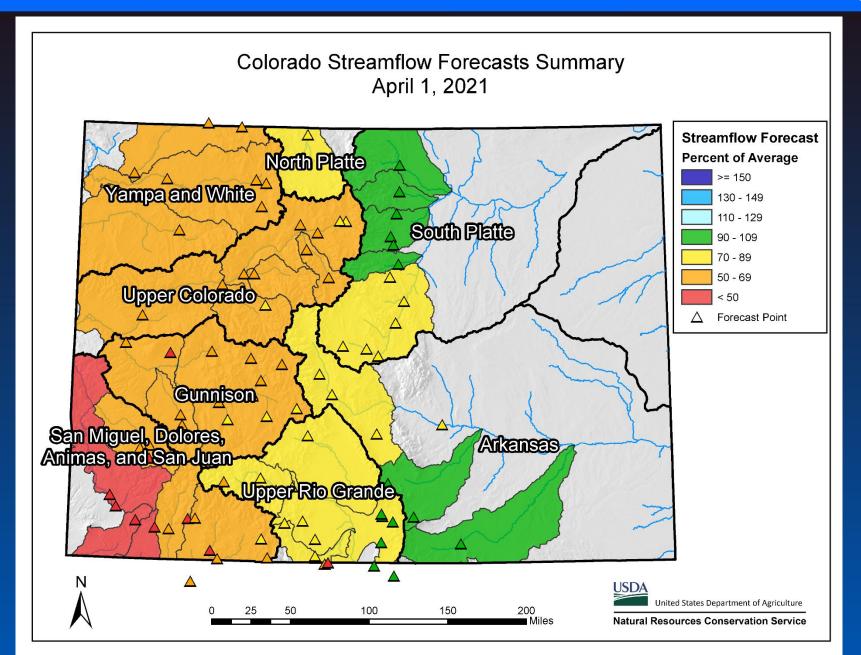






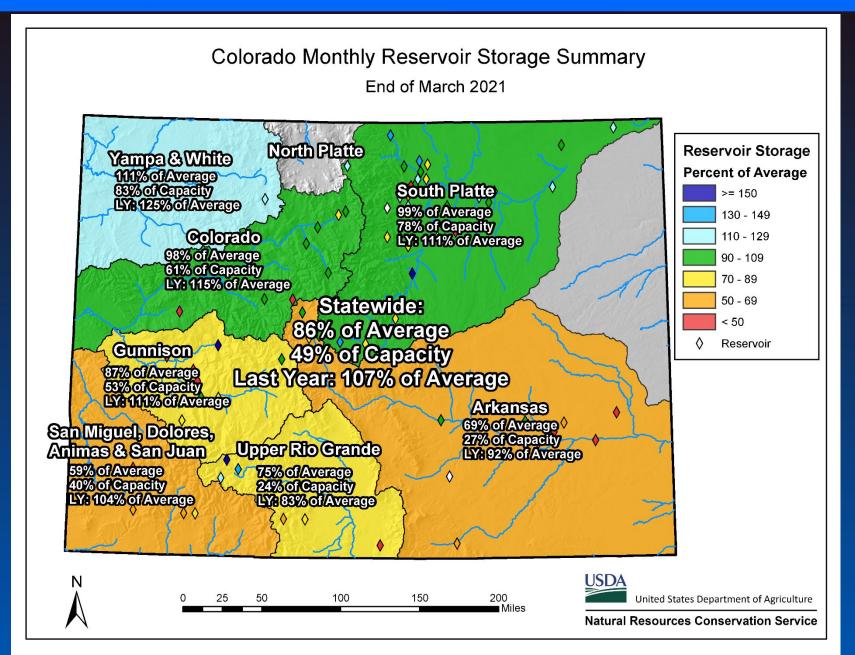






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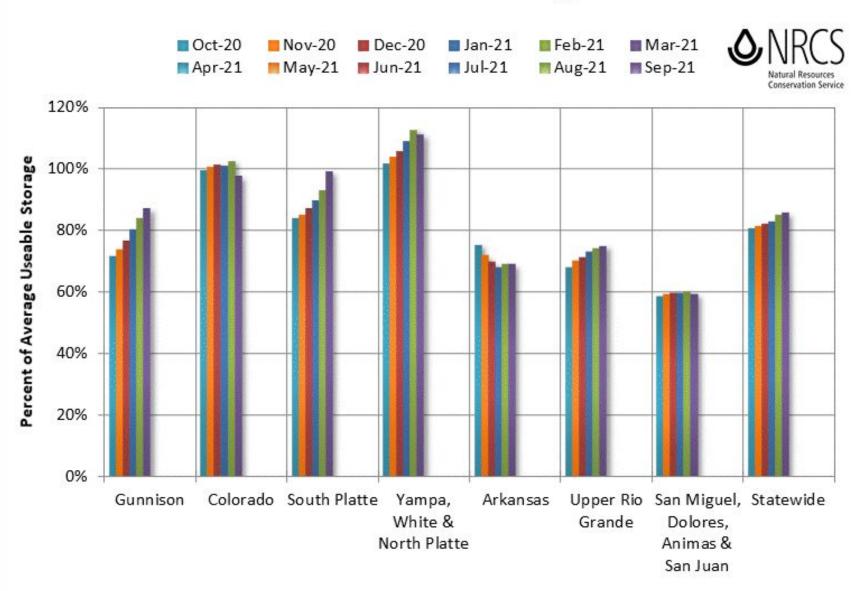
USDA





### **Colorado Snow Surveys**

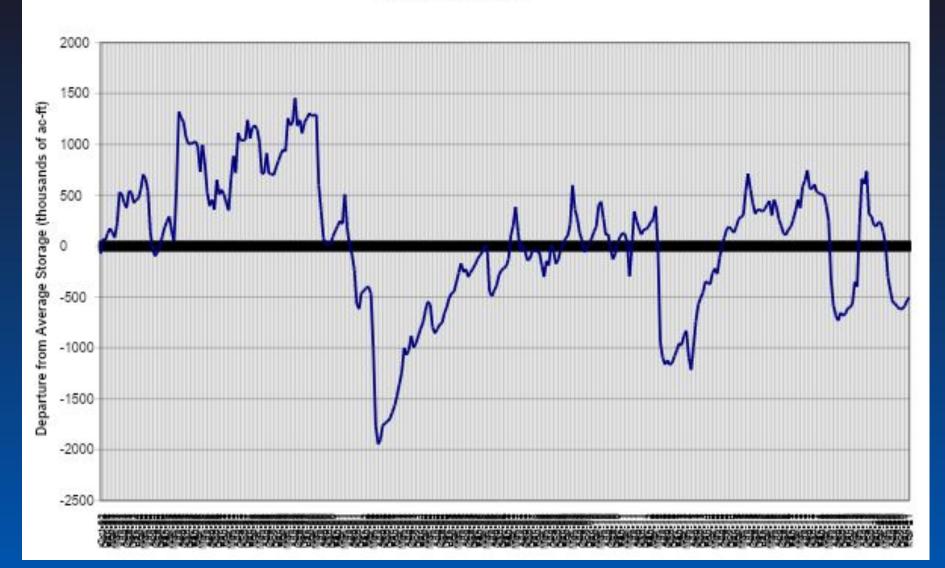
#### **Colorado Reservoir Storage**



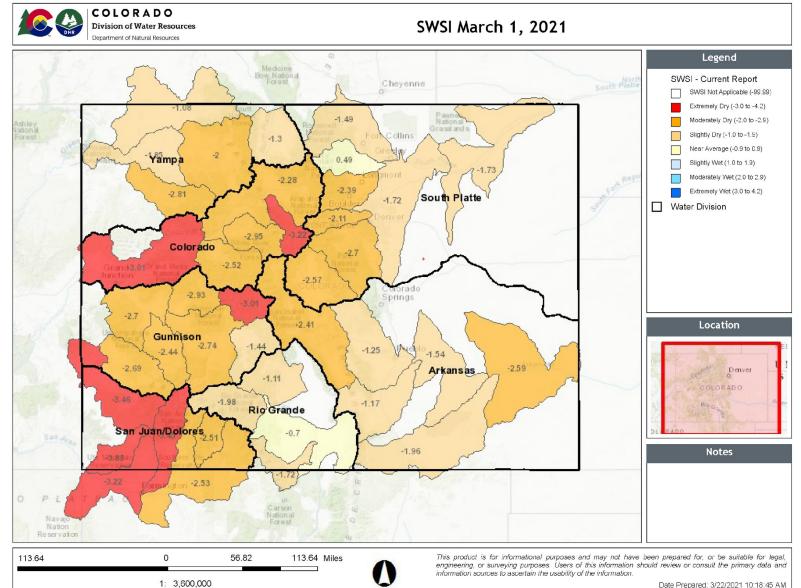


#### Colorado Snow Surveys

#### COLORADO STATEWIDE Reservoir Storage Departure from Average

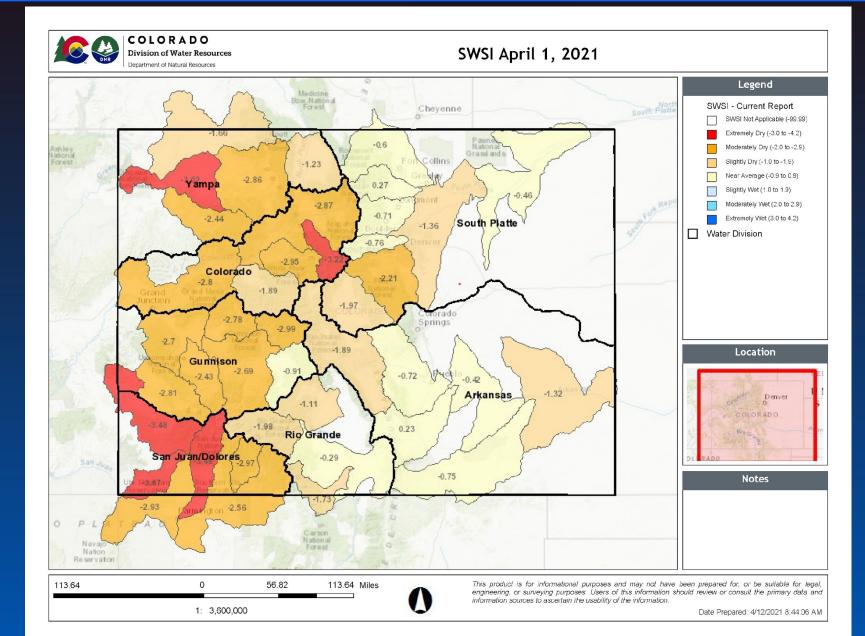






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# Summary

#### •Colorado Statewide snowpack at 77% of median

- April snow accumulation has been below normal and seen considerable snow melt
- Have already likely seen the statewide snowpack peak at91 percent of normal
- •Colorado year-to-date precipitation is 78% of average
  - Month to date precipitation statewide for April so far has been 38% of average
- Reservoir Storage is 86% of average, up 1% from last month with basin-wide storage values remaining better in the northern half of the sate nearer normal below normal in the southern half of the state.
  Streamflow forecasts indicate below normal runoff this spring and summer.
  - March snowstorm did little to improve runoff prospects.
  - Current April conditions will likely further decrease streamflow prospects.
  - Dry soils and low baseflows in rivers across the state are a significant factor in addition to the below normal precipitation in the predicted low streamflows.





# Water Availability Task Force Meeting April 20<sup>th</sup>, 2021

## NRCS Snow Survey and Water Supply Forecasting Program

Brian Domonkos Hydrologist Asst. Snow Survey Supervisor 720-544-2852 http://www.nrcs.usda.gov/wps/portal/nrcs/main/co/snow/



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