

# Water Availability Task Force Meeting April 18<sup>th</sup>, 2017

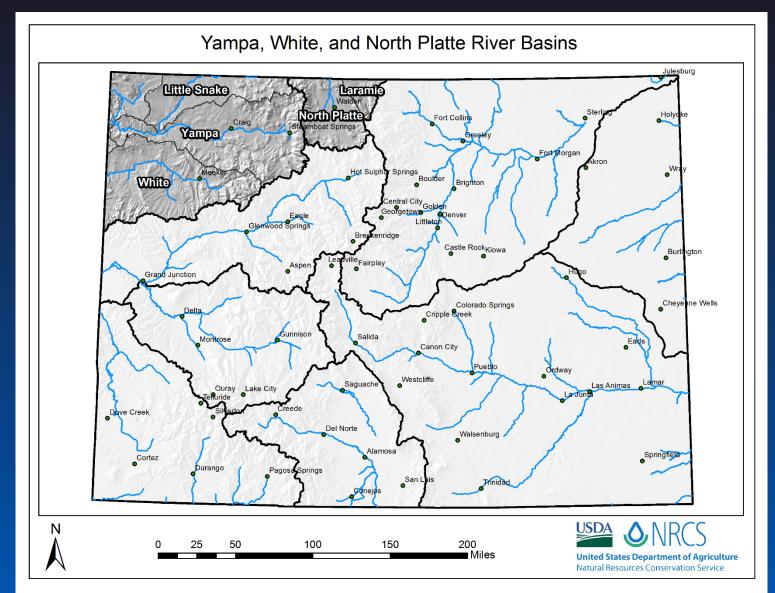
# NRCS Snow Survey and Water Supply Forecasting Program

Brian Domonkos Snow Survey Supervisor 720-544-2852 http://www.nrcs.usda.gov/wps/portal/nrcs/main/co/snow/ United States Department of Agriculture

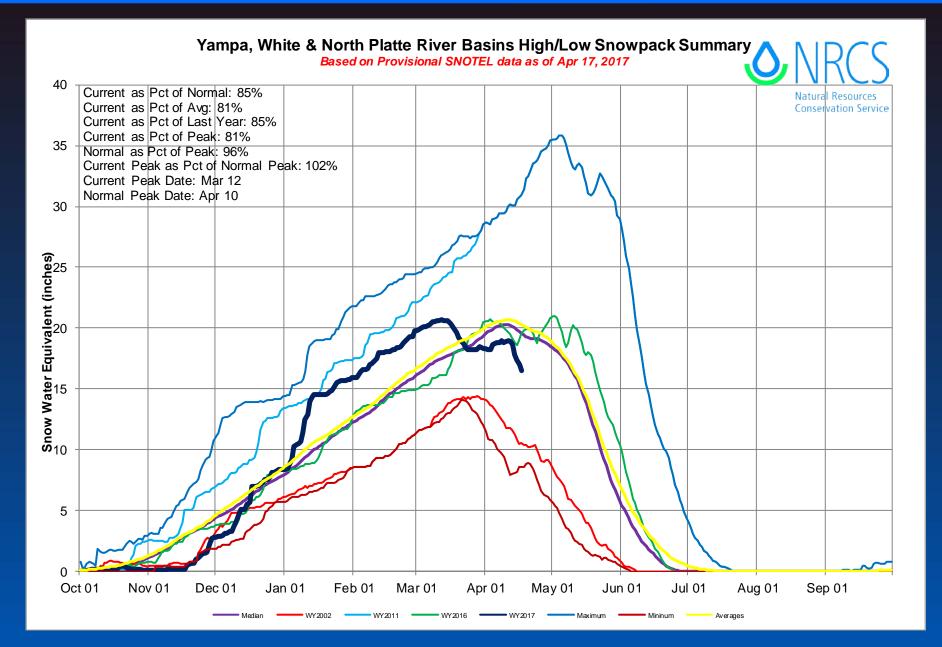
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#### **Colorado Snow Surveys**

# Major Basin Summary

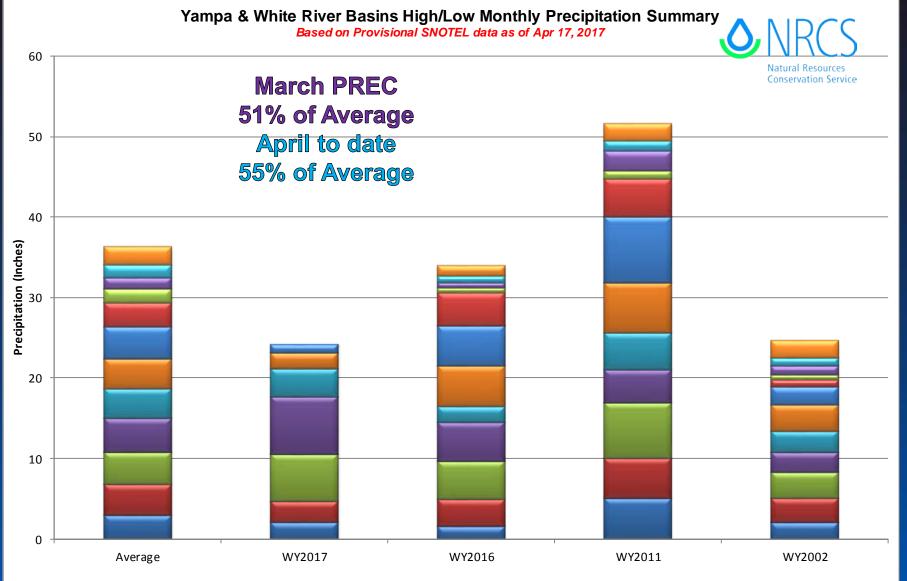


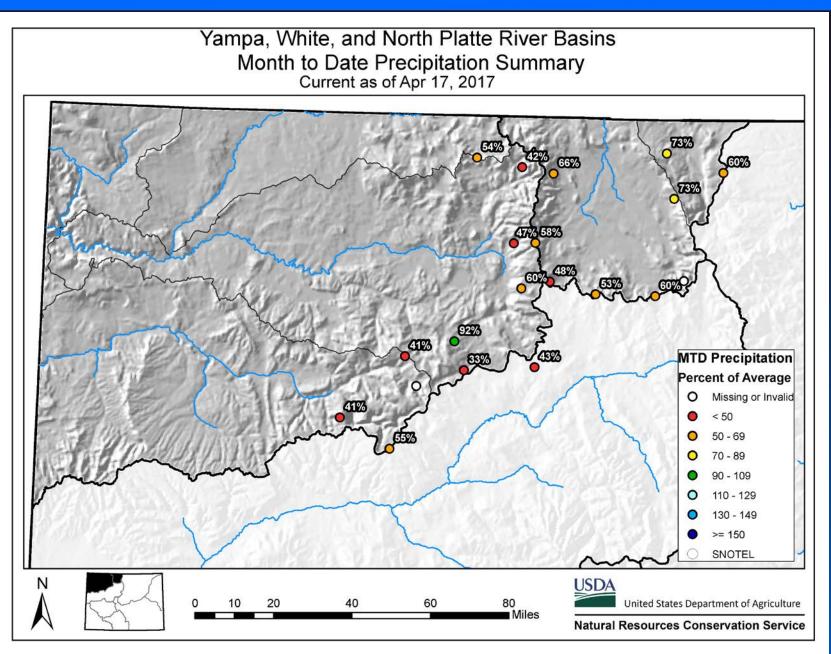


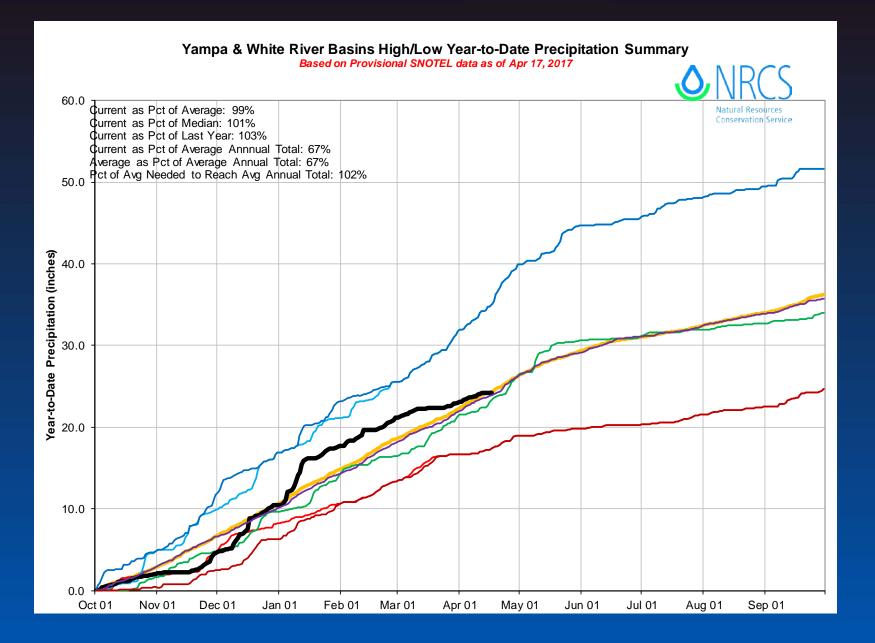


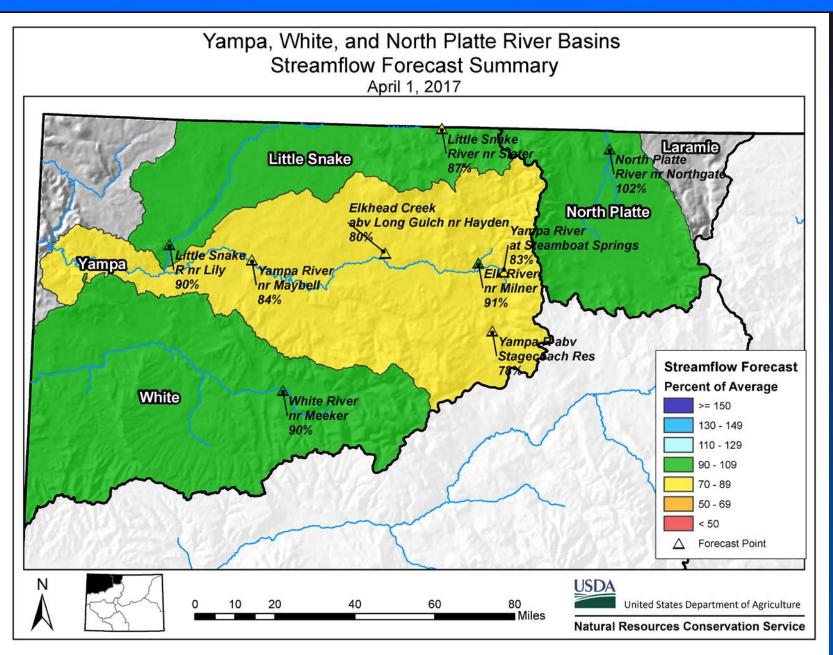




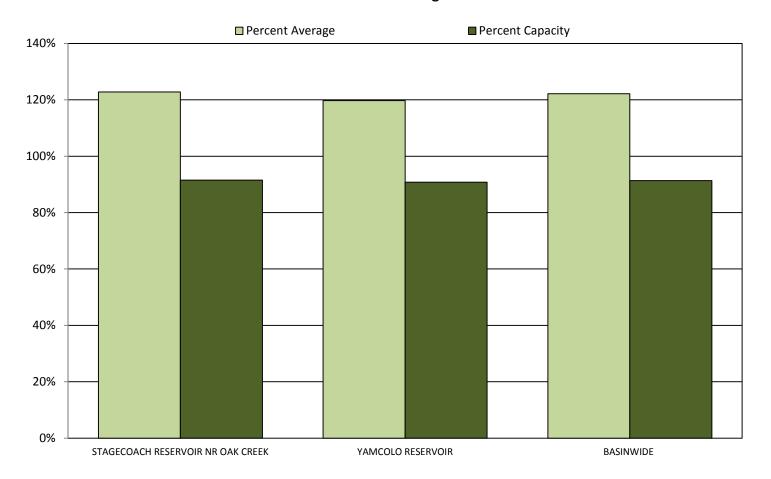










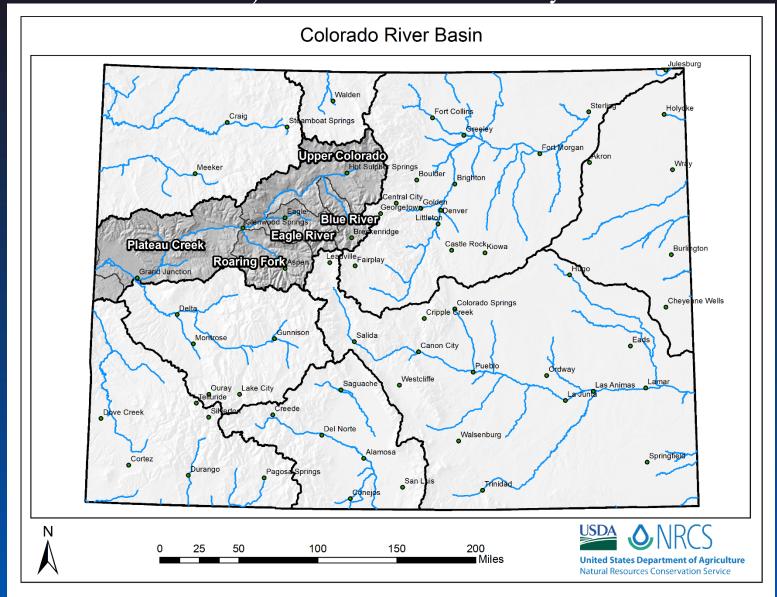


**Reservoir Storage** 

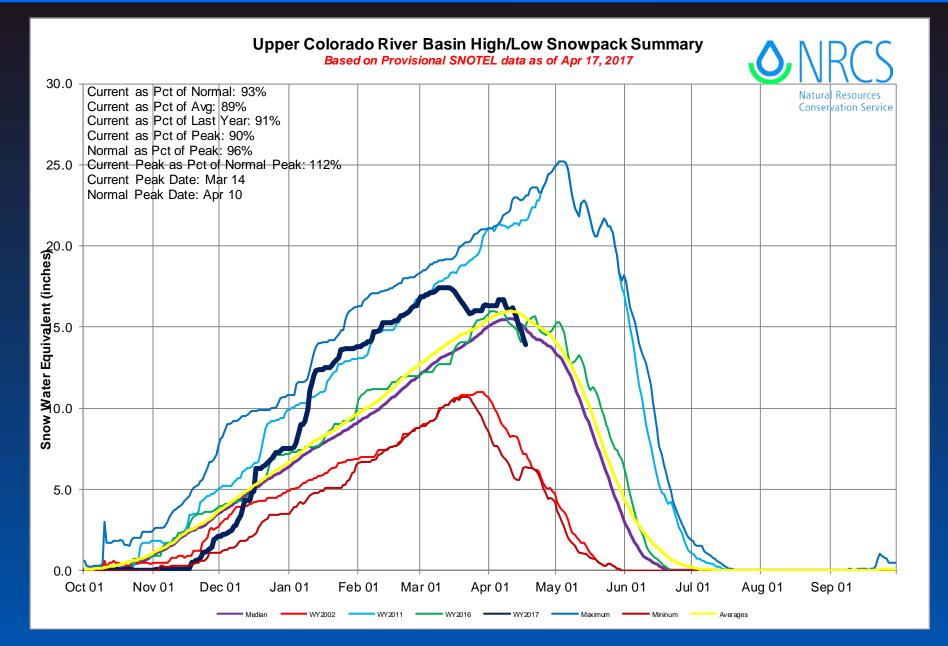


#### **Colorado Snow Surveys**

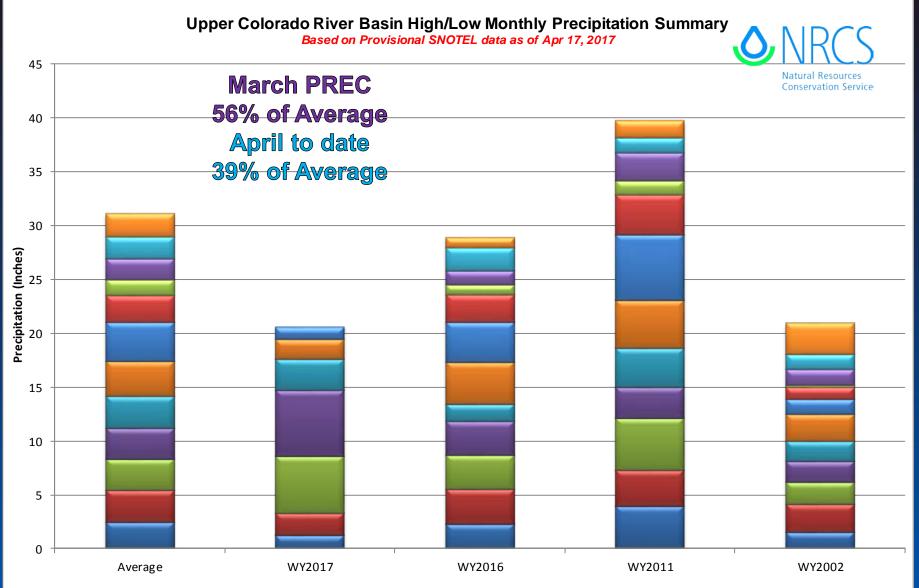
### Major Basin Summary





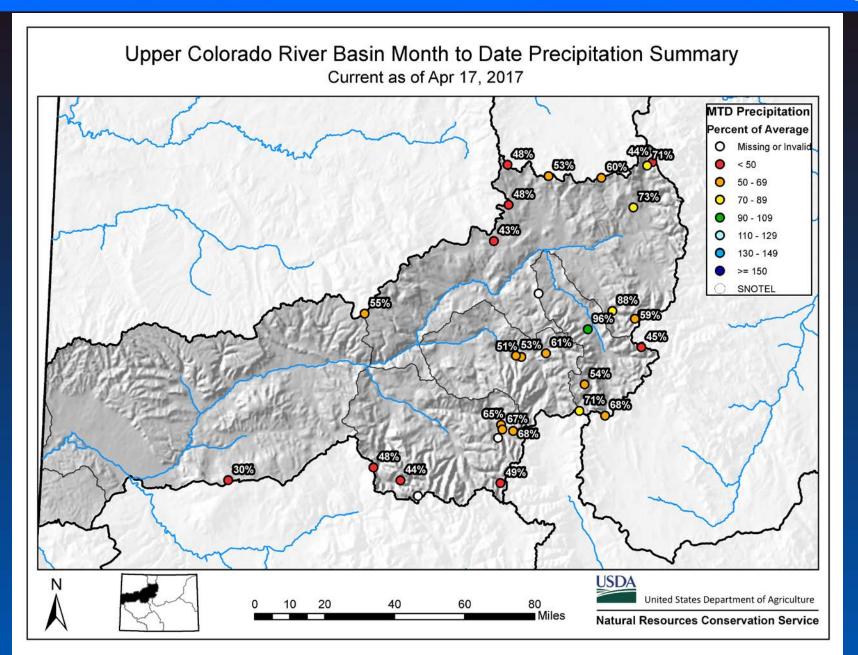




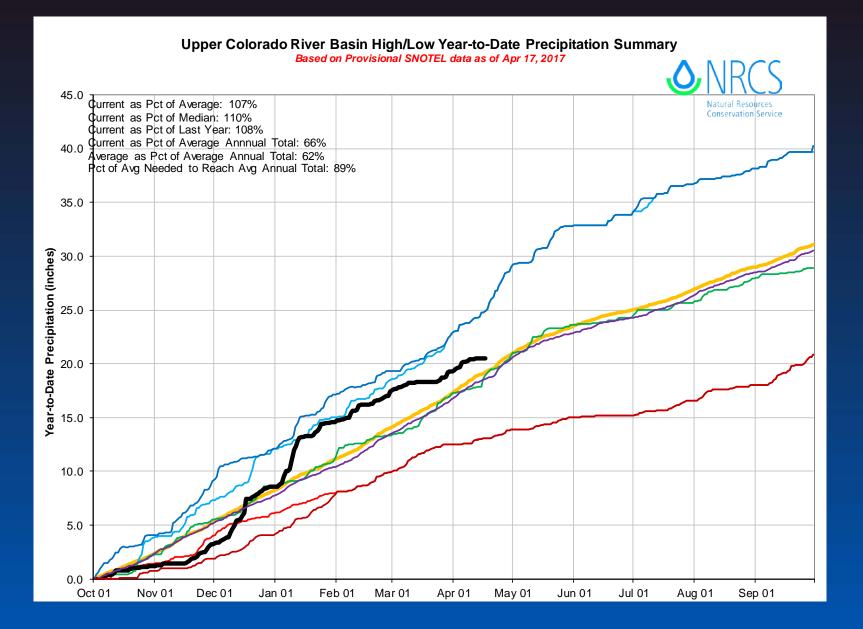


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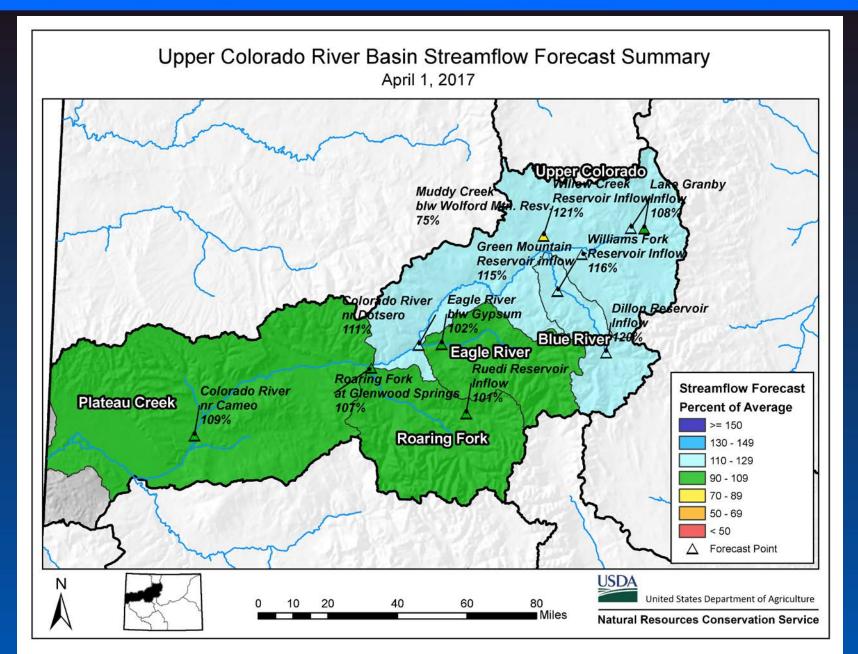




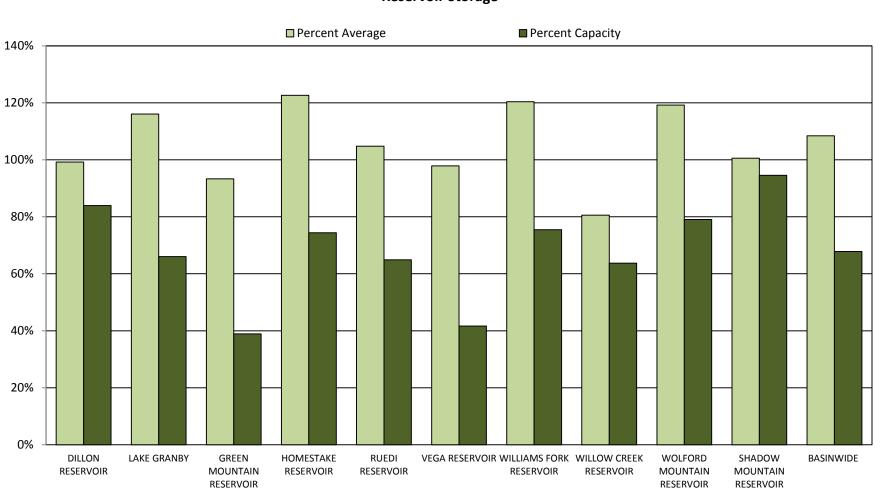






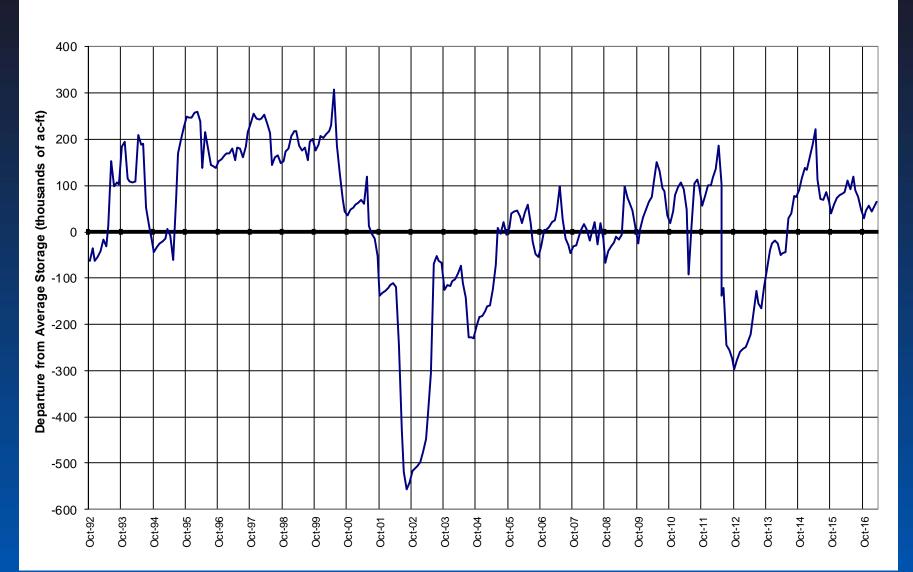






Reservoir Storage

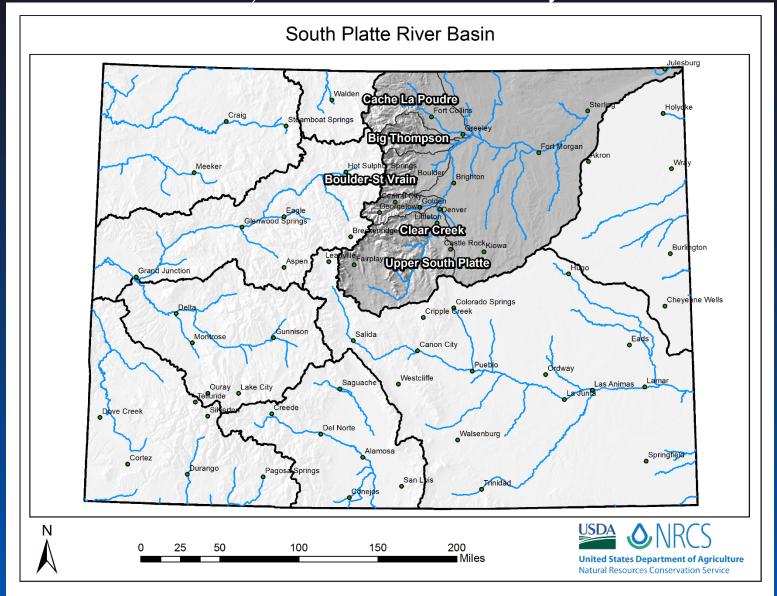
#### COLORADO RIVER BASIN Reservoir Storage Departure from Average



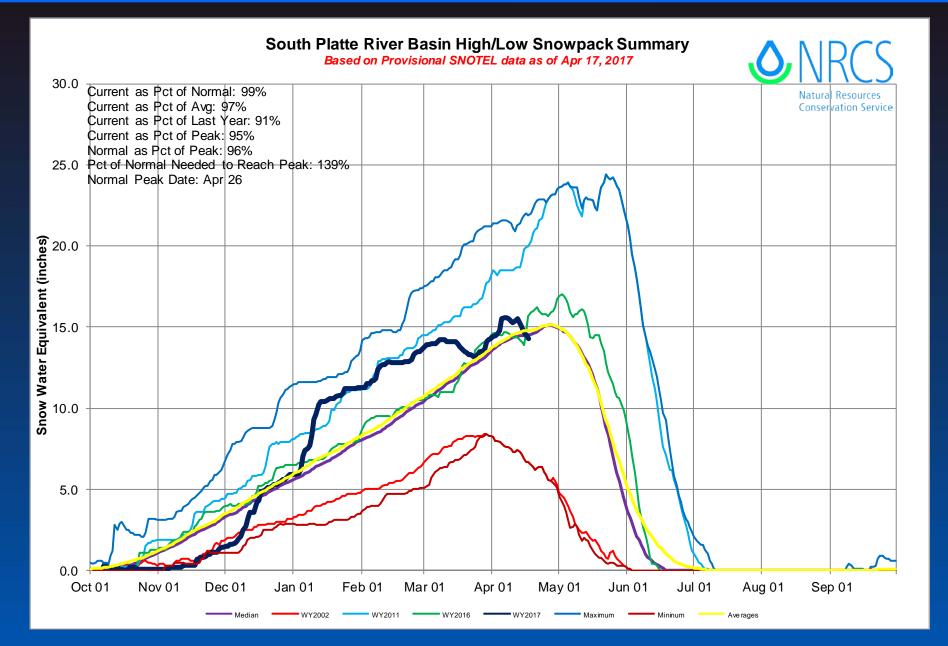


#### **Colorado Snow Surveys**

# Major Basin Summary

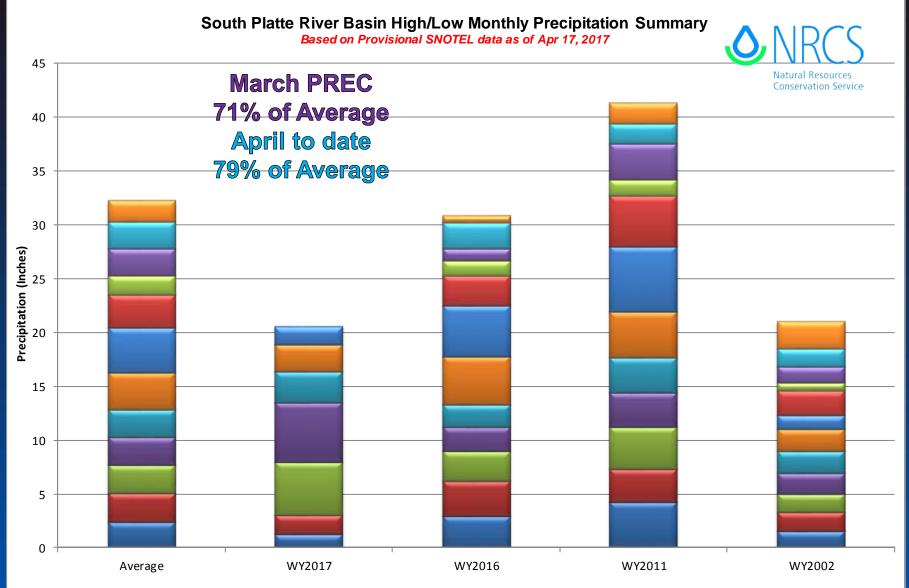






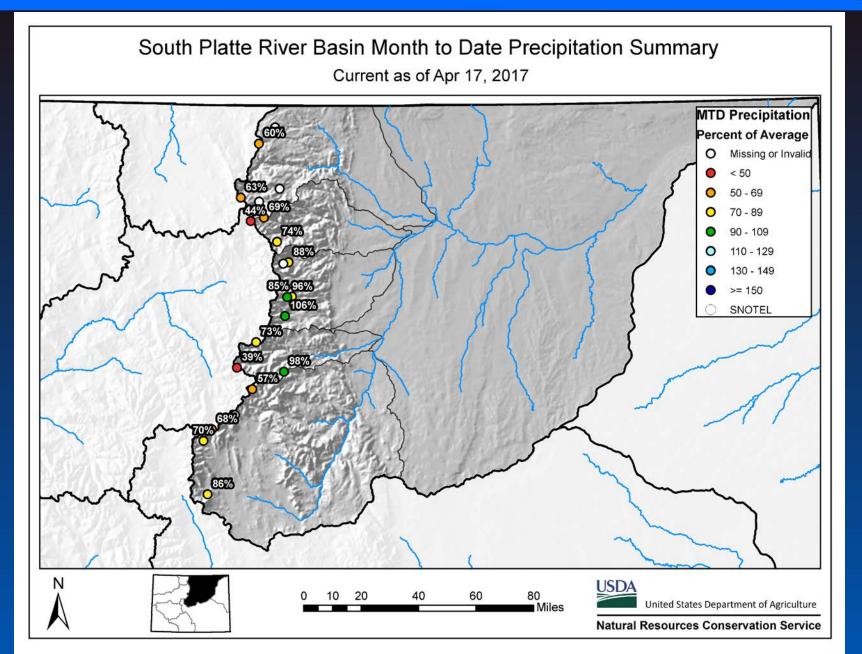




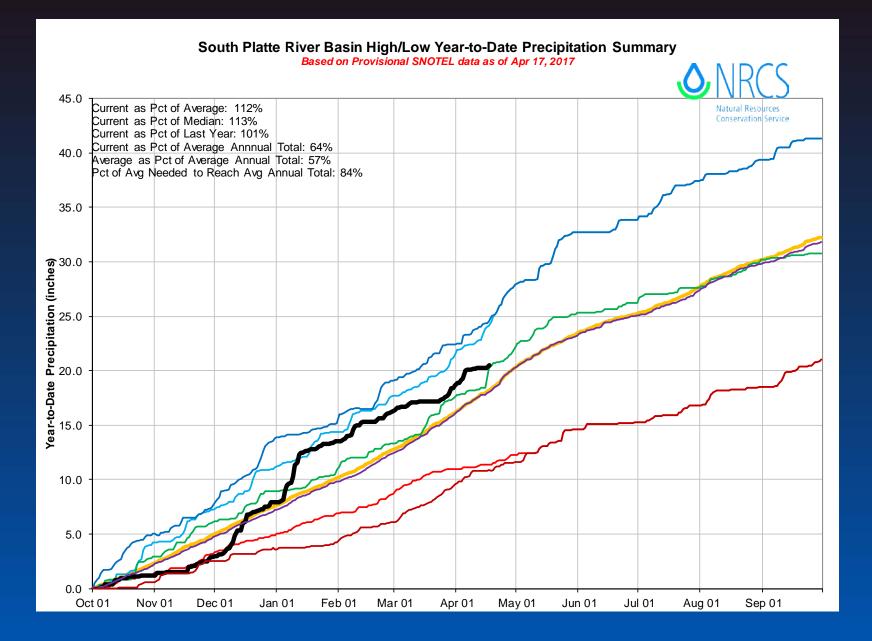


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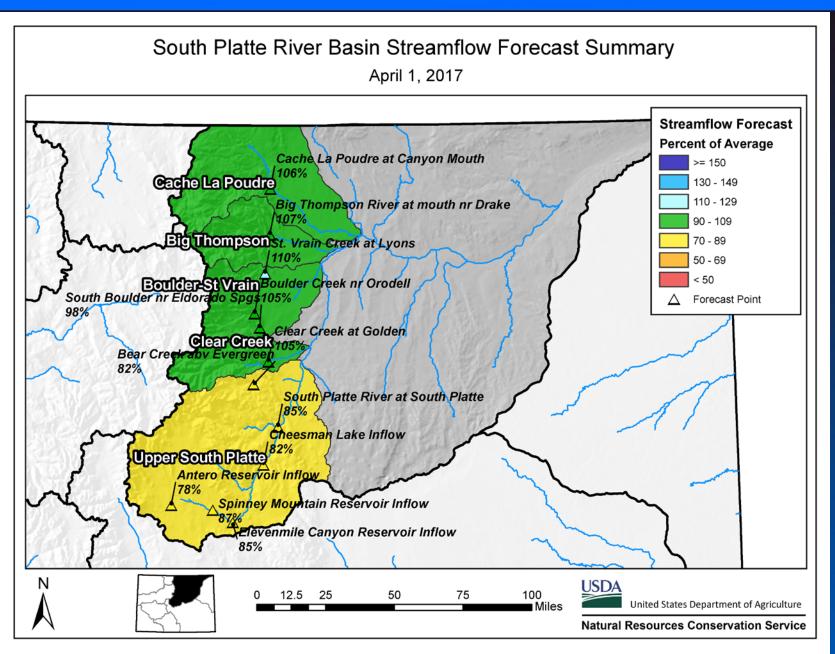










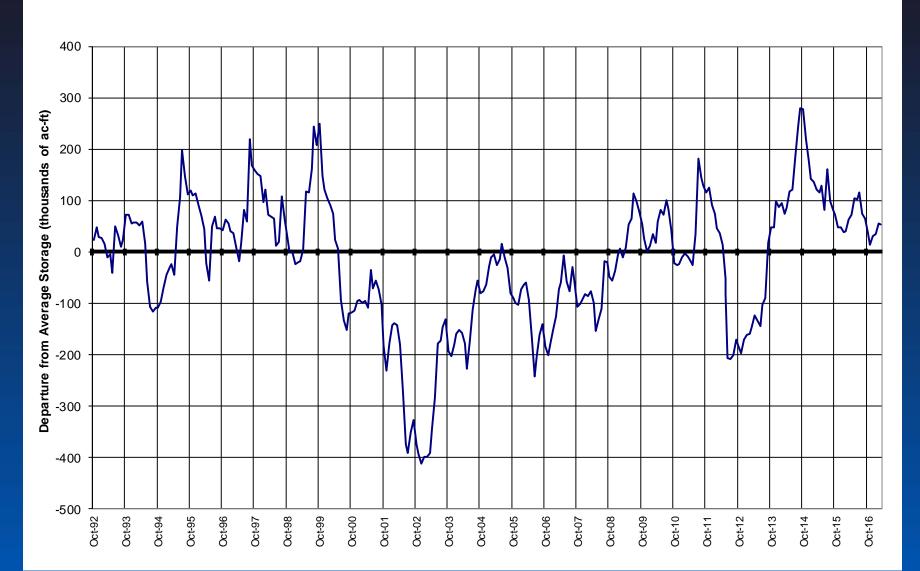




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**Reservoir Storage** 

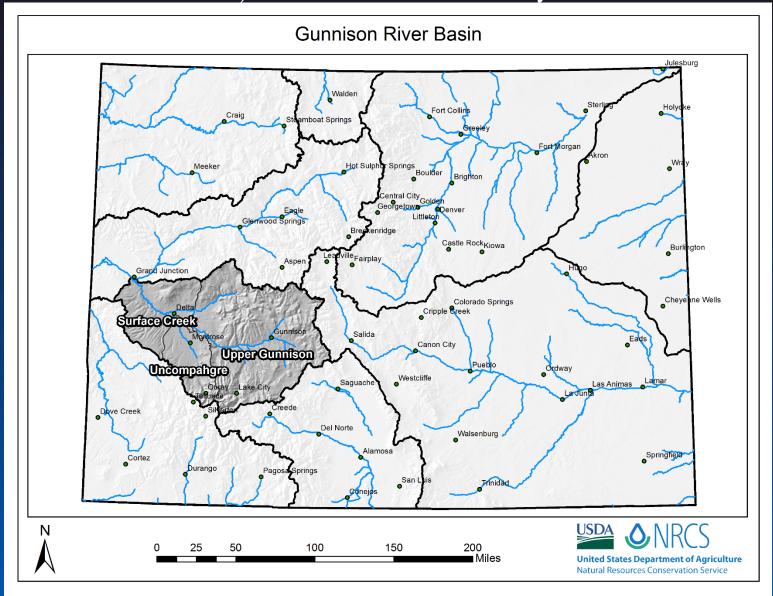
#### SOUTH PLATTE RIVER BASIN Reservoir Storage Departure from Average



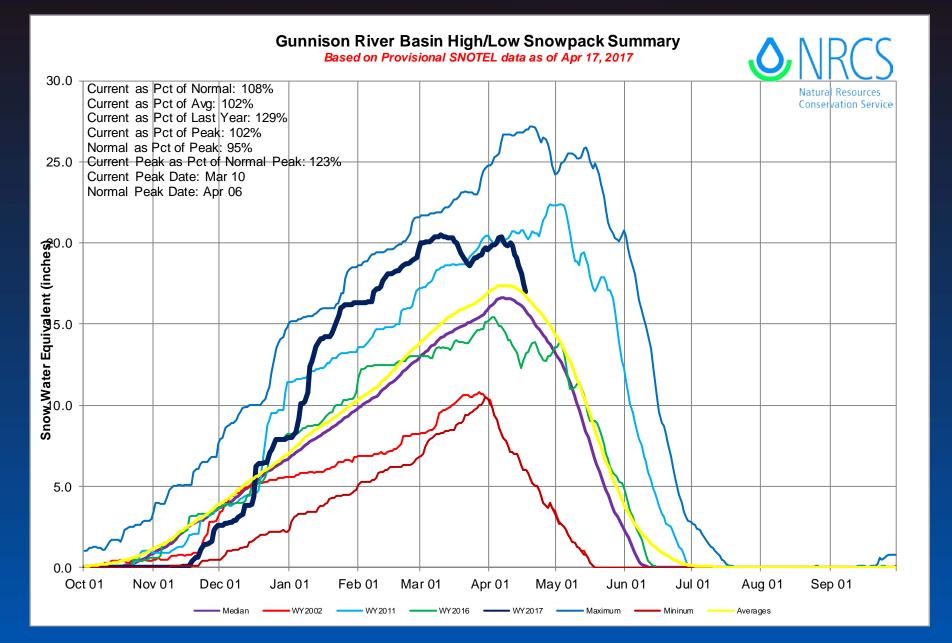


#### **Colorado Snow Surveys**

# Major Basin Summary





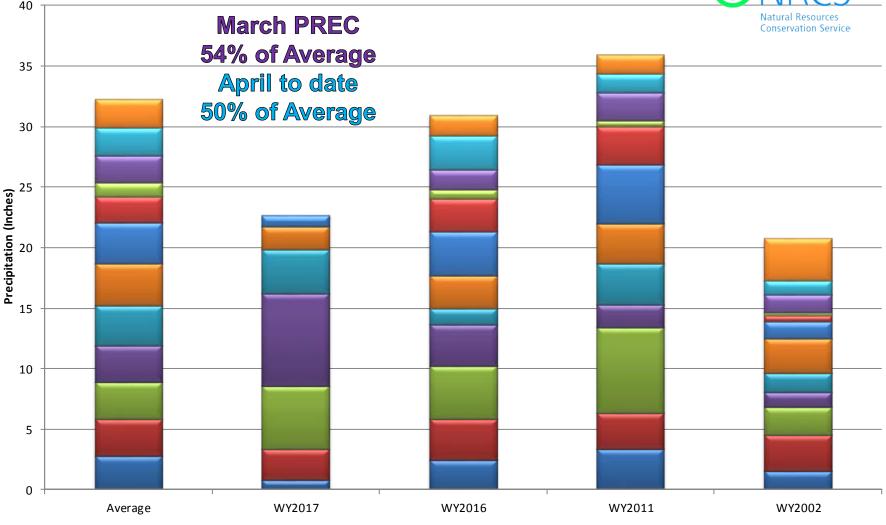




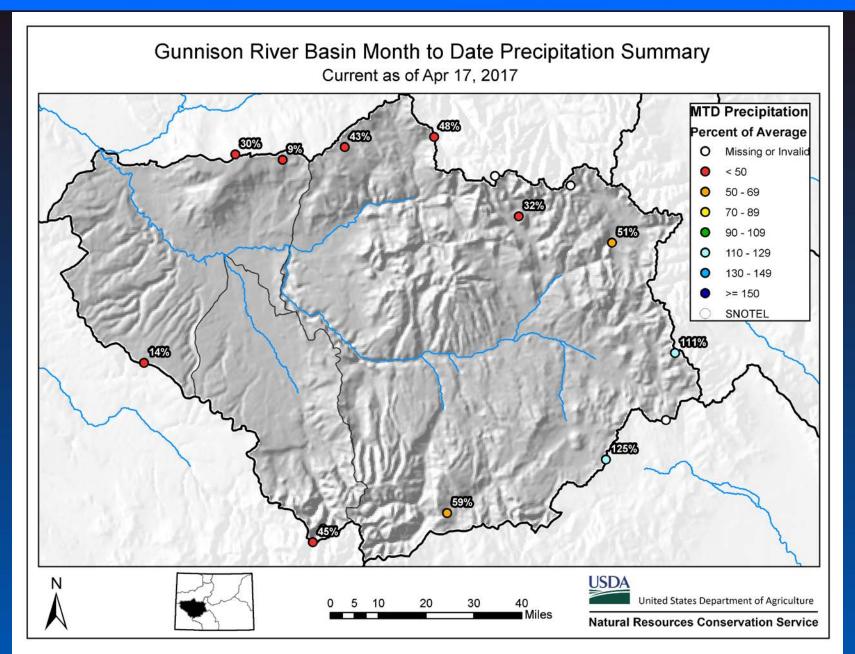
#### Gunnison River Basin High/Low Monthly Precipitation Summary

Based on Provisional SNOTEL data as of Apr 17, 2017

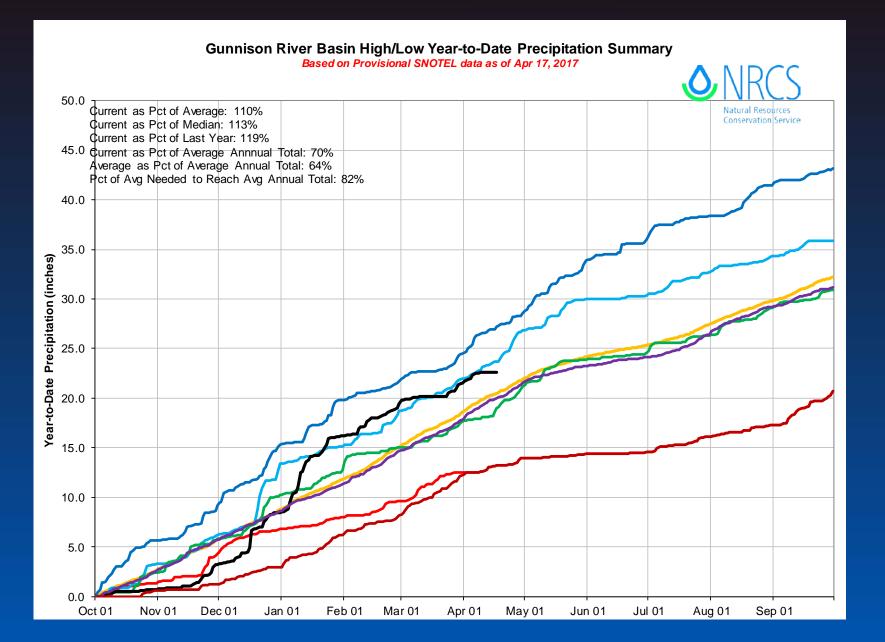
Natural Resources



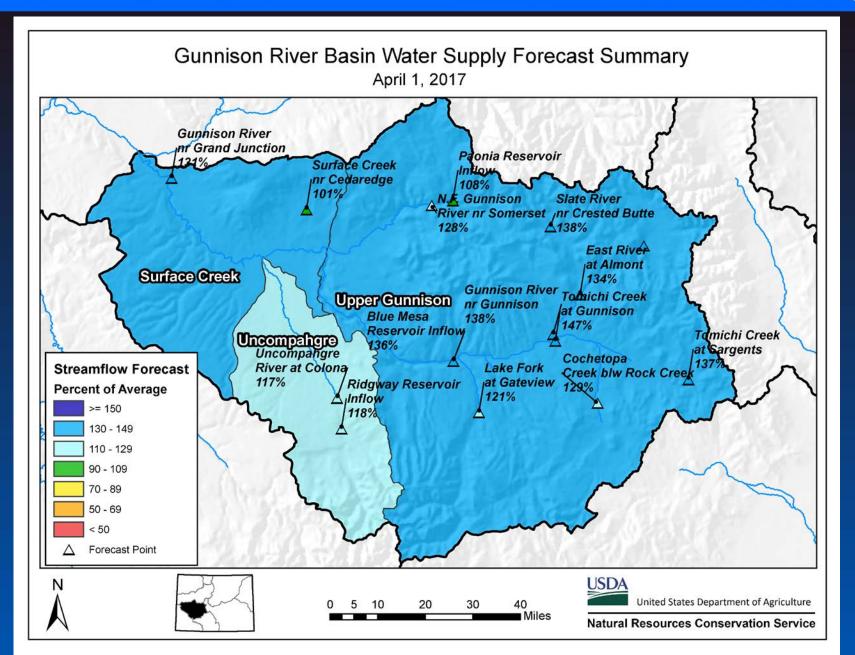
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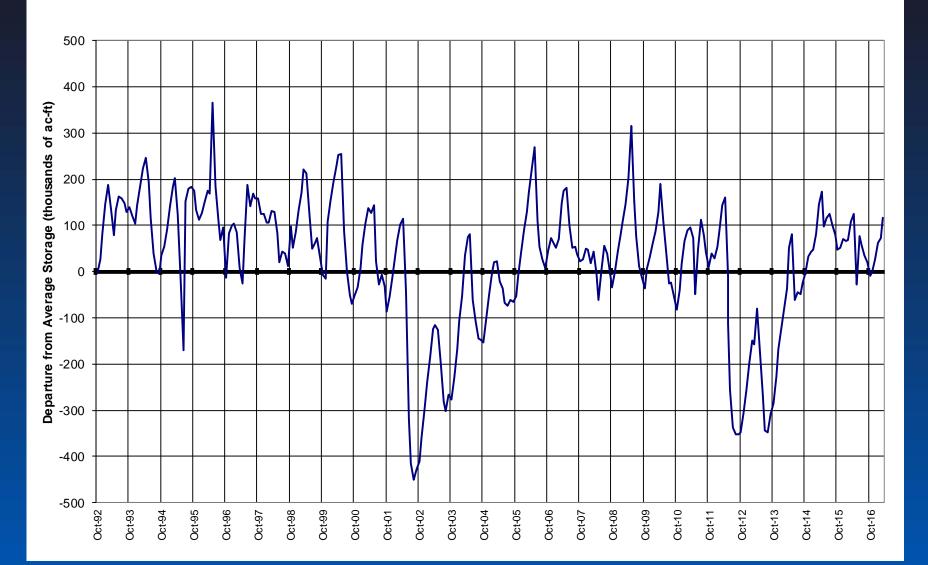


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**Reservoir Storage** 



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

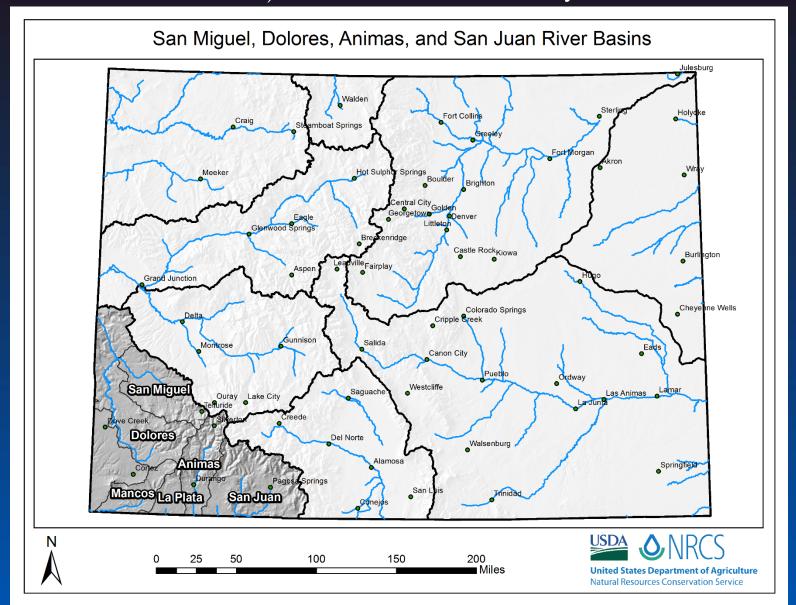


United States Department of Agriculture

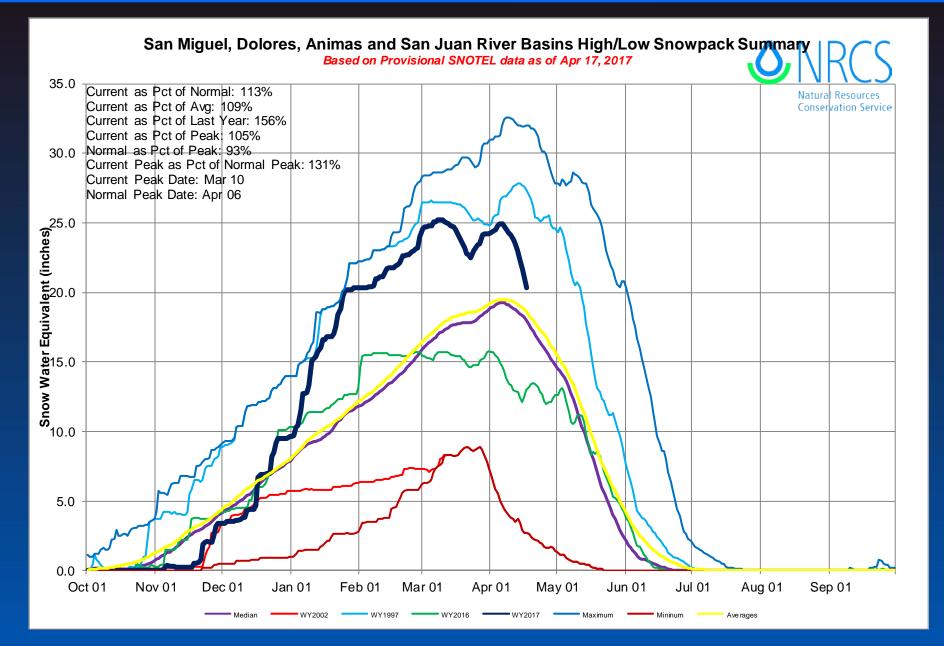
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#### **Colorado Snow Surveys**

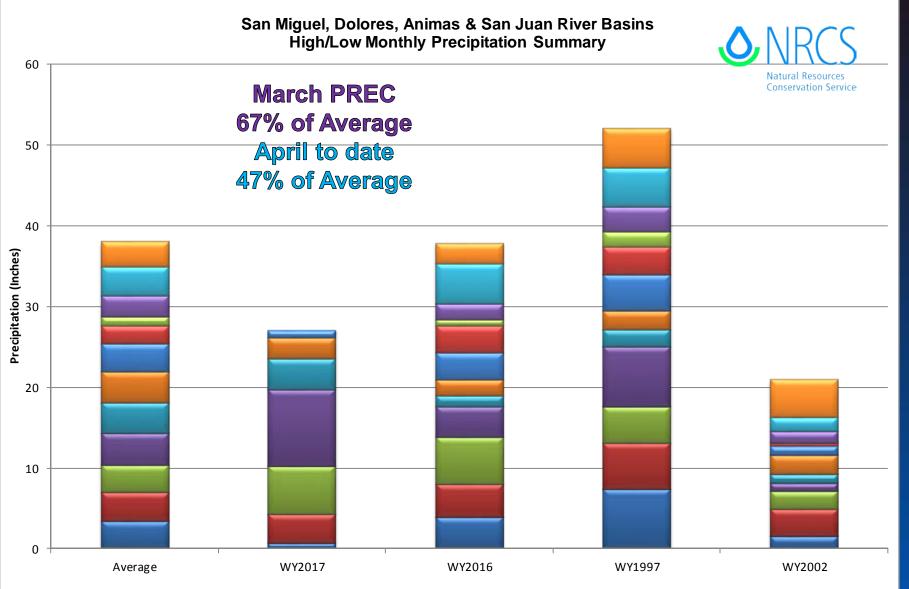
# Major Basin Summary



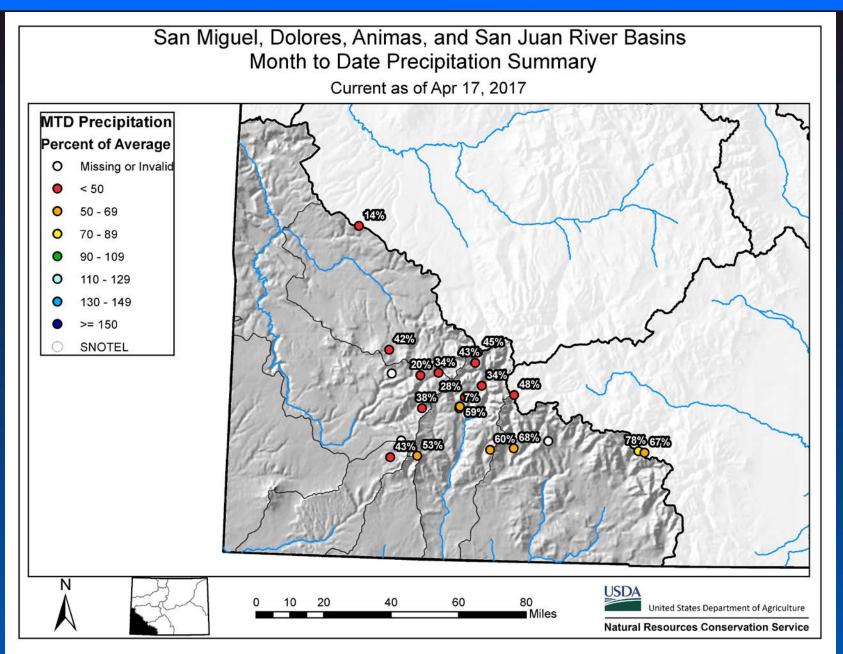




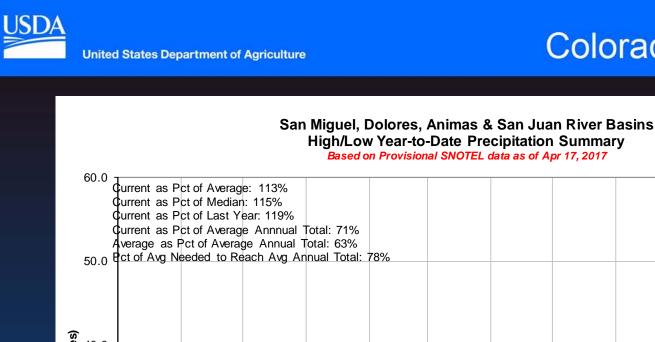


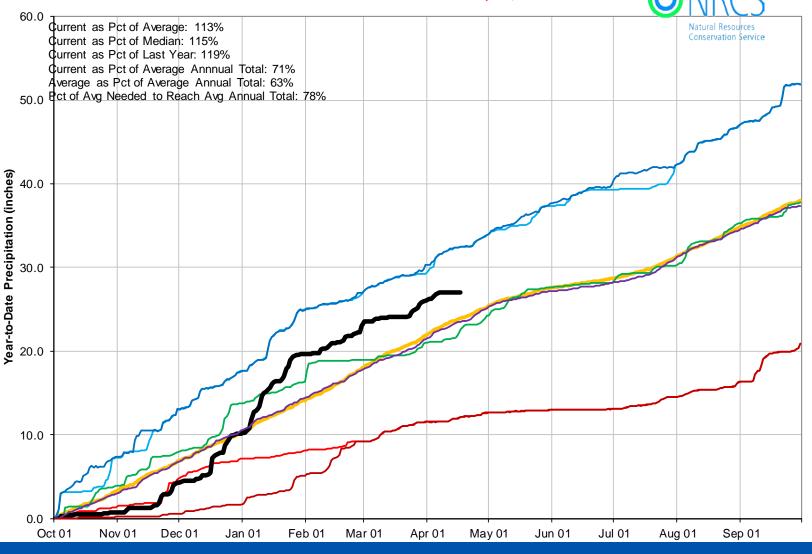


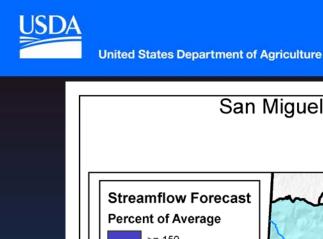
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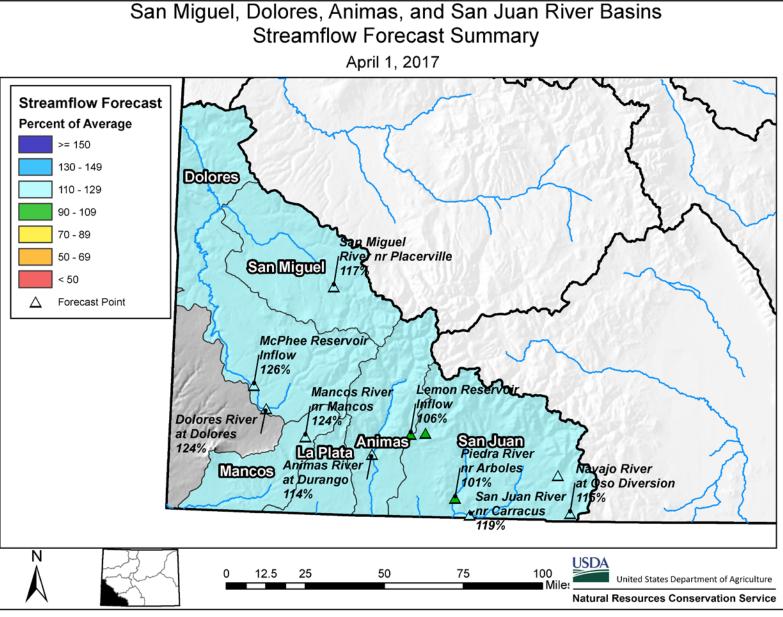




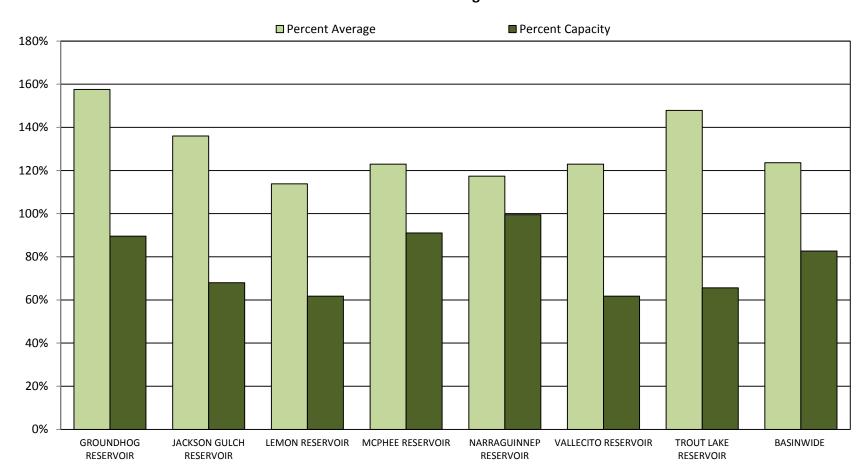












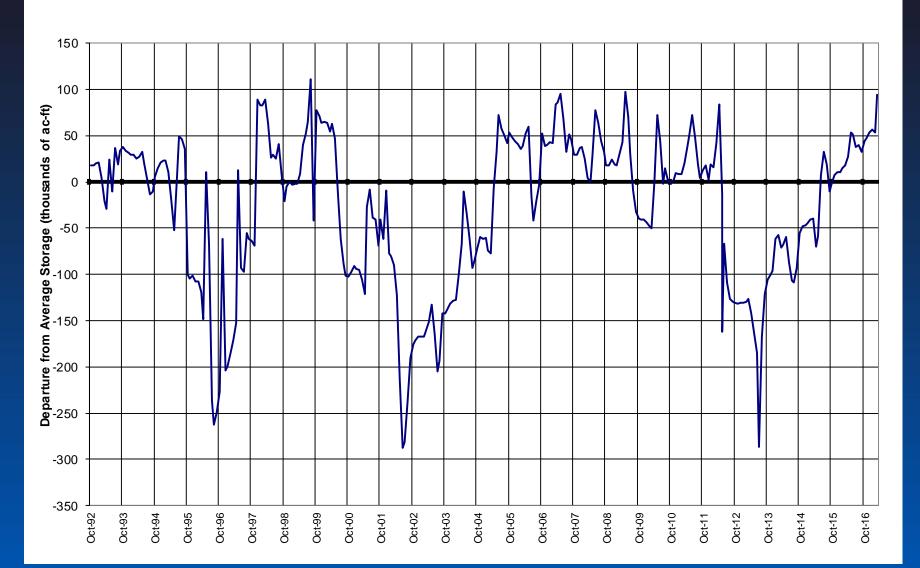
#### Reservoir Storage



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#### SAN MIGUEL, DOLORES, ANIMAS AND SAN JUAN RIVER BASINS Reservoir Storage

Departure from Average

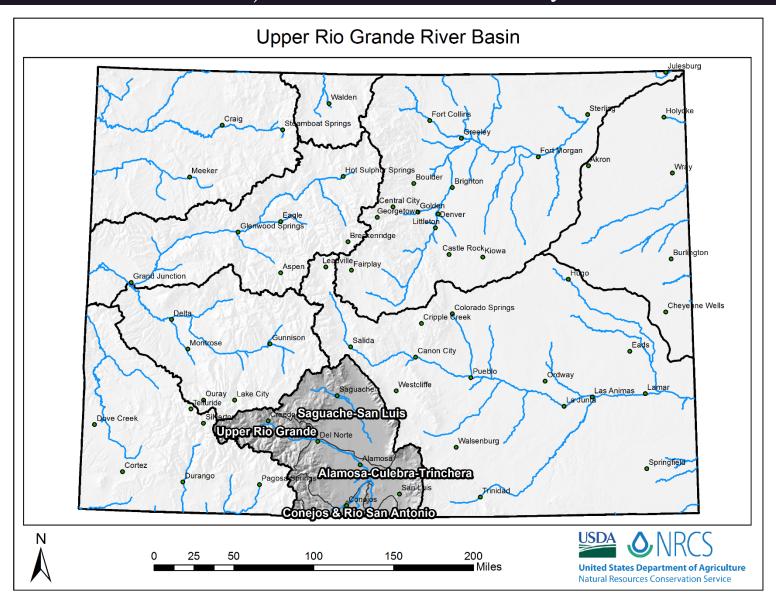




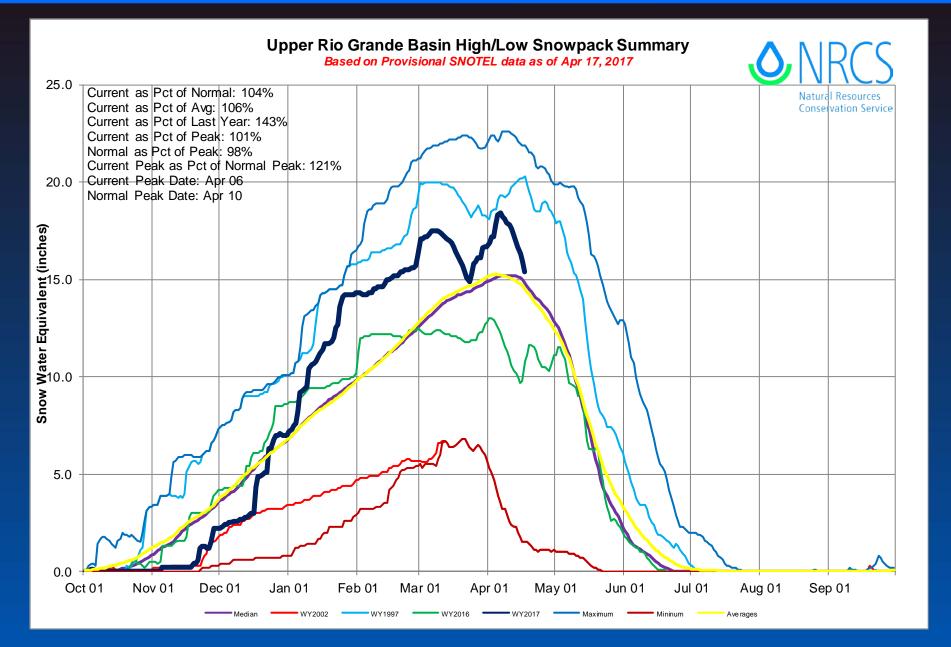
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#### **Colorado Snow Surveys**

## Major Basin Summary





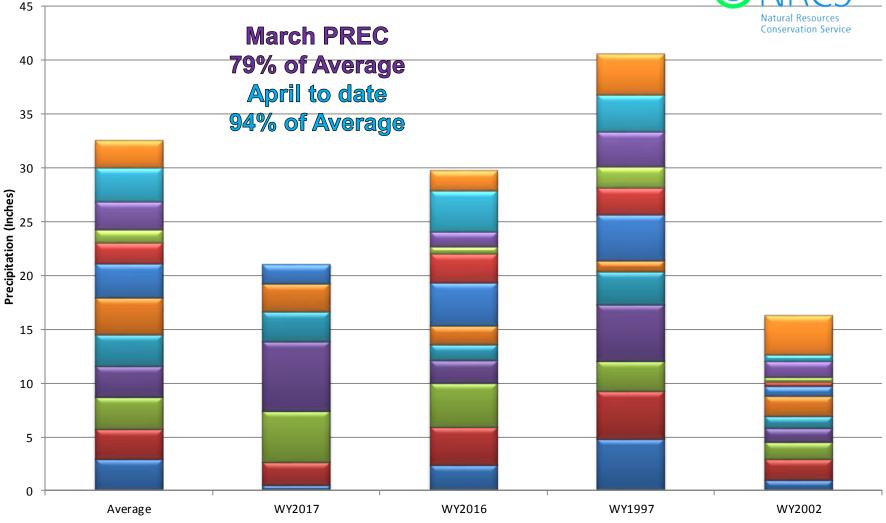




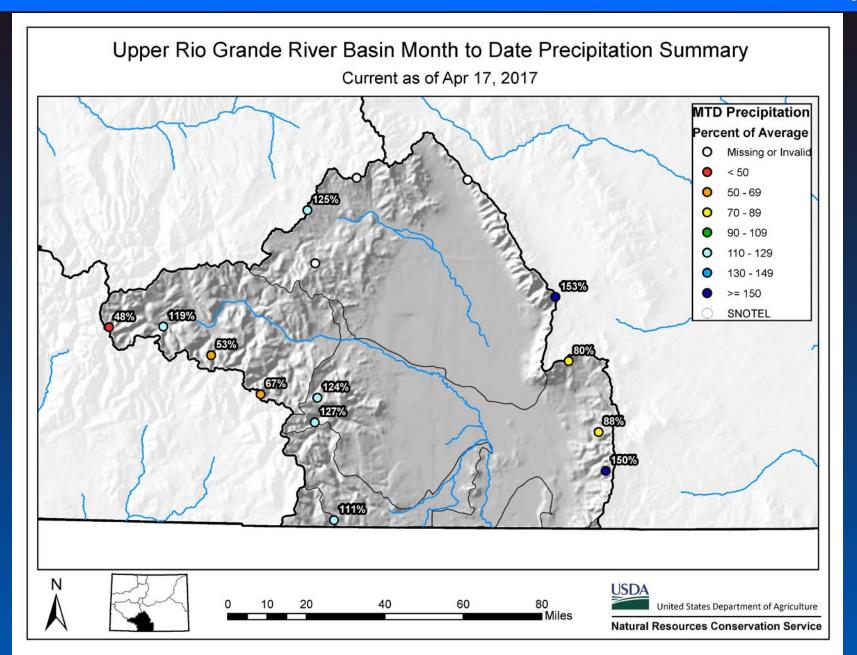
#### Upper Rio Grande Basin High/Low Monthly Precipitation Summary

Based on Provisional SNOTEL data as of Apr 17, 2017

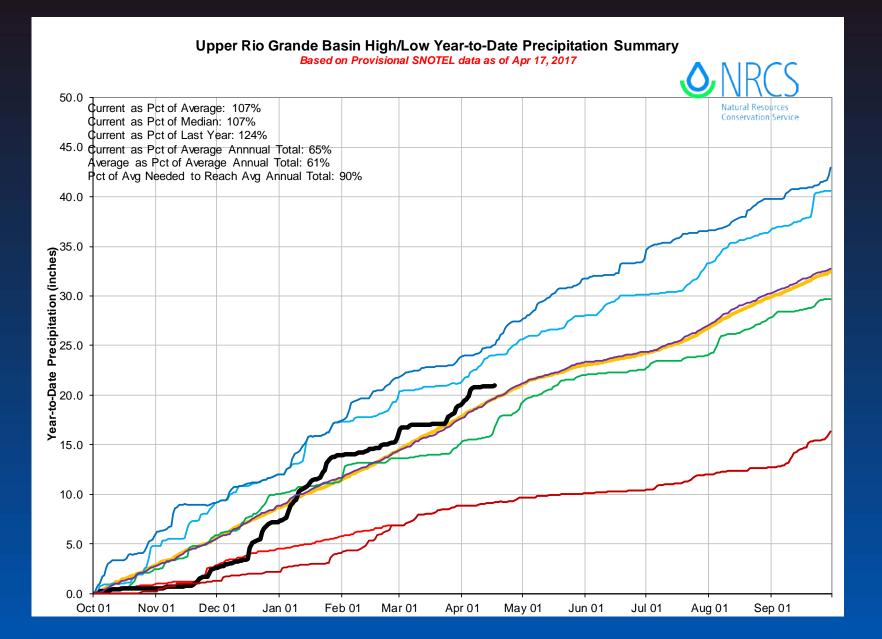
Natural Resources



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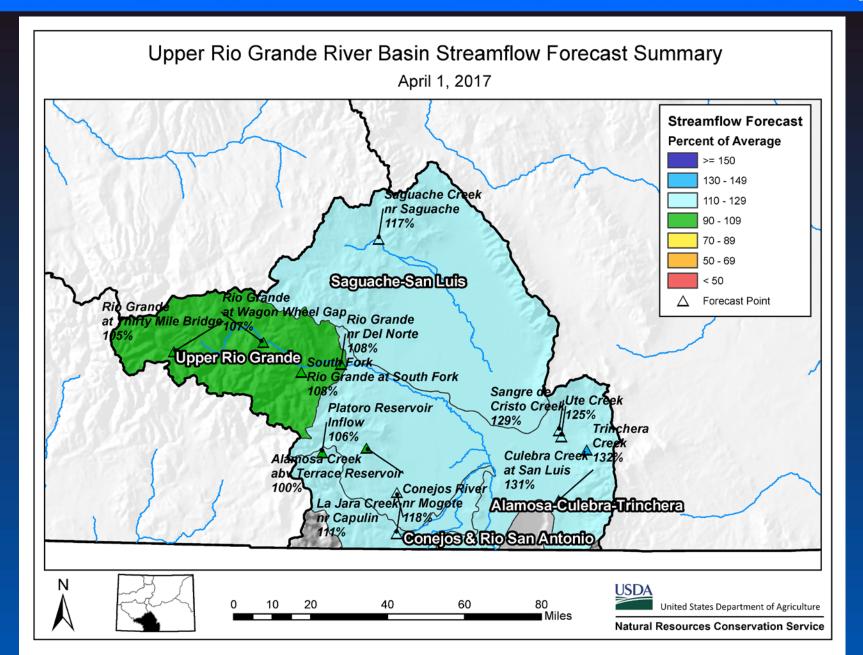




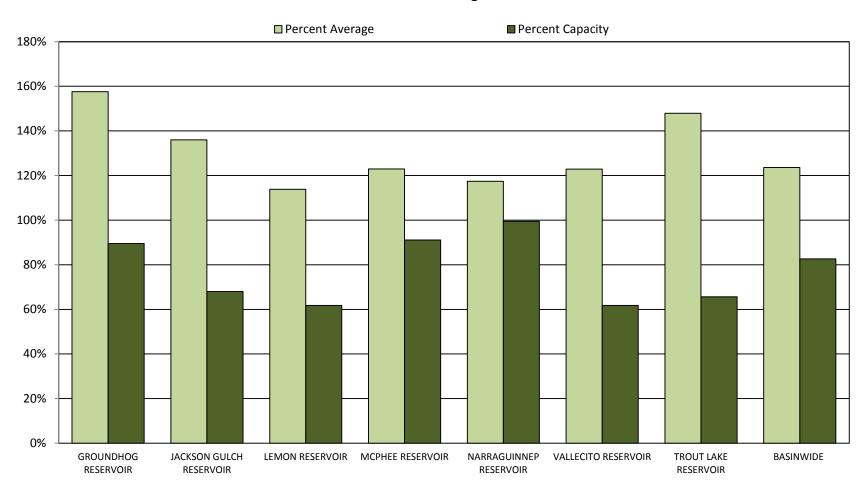




USDA



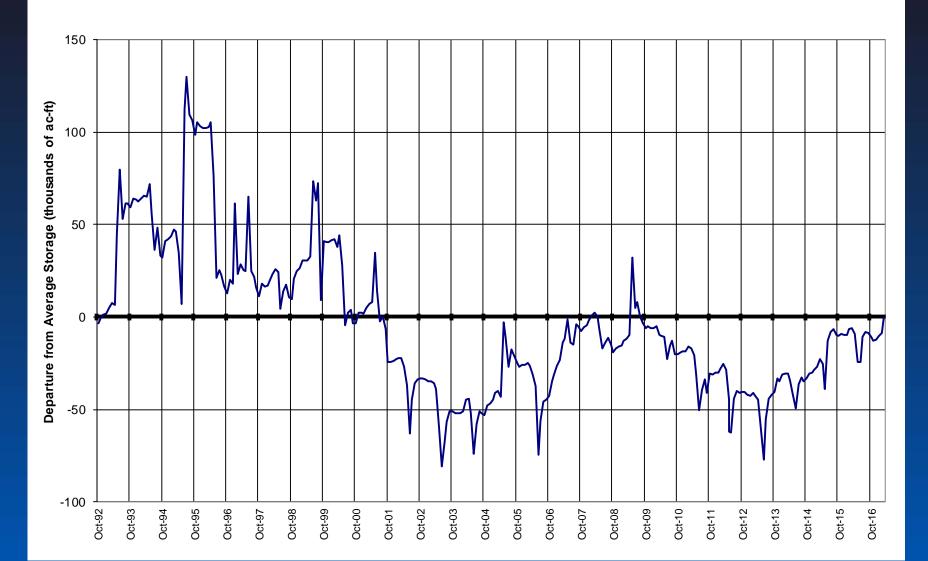




#### **Reservoir Storage**

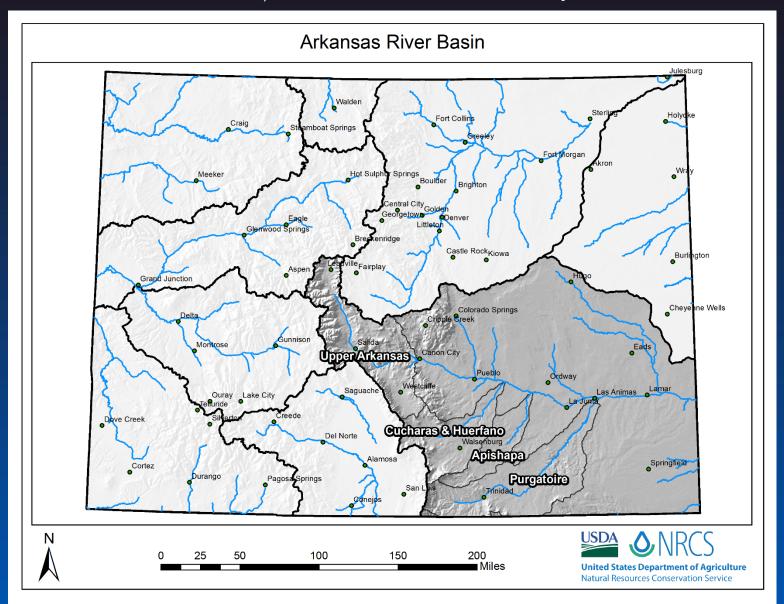


#### UPPER RIO GRANDE BASIN Reservoir Storage Departure from Average

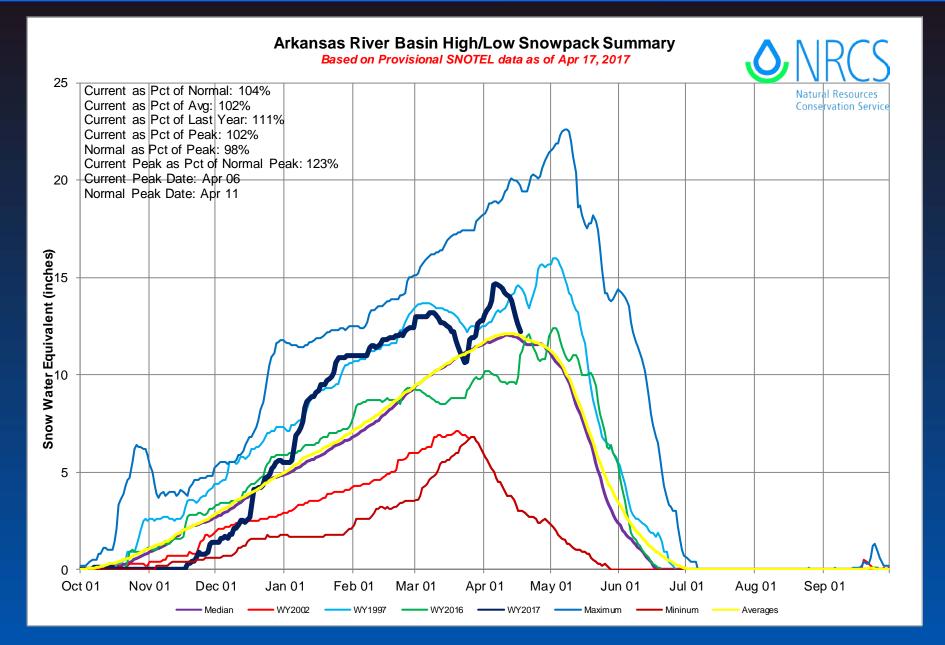




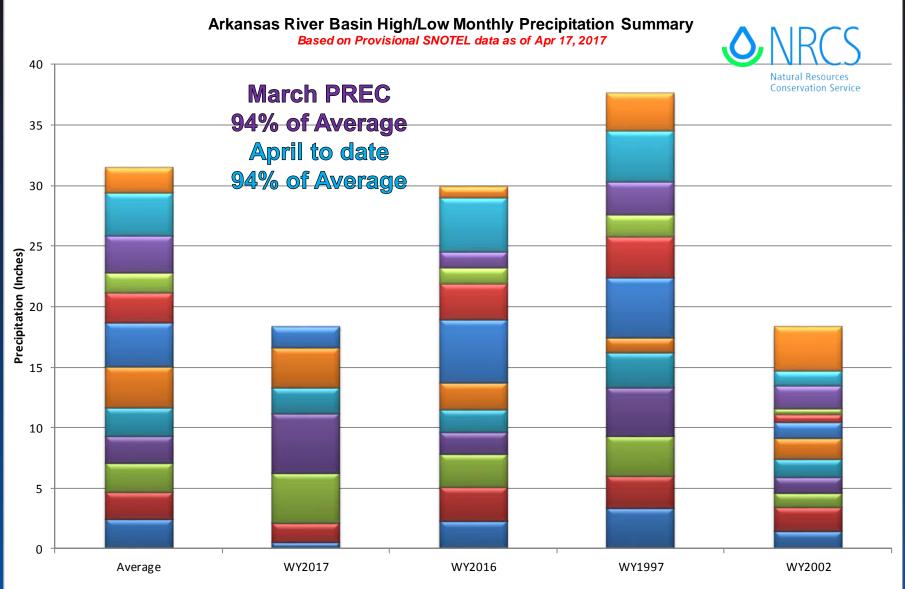
## Major Basin Summary





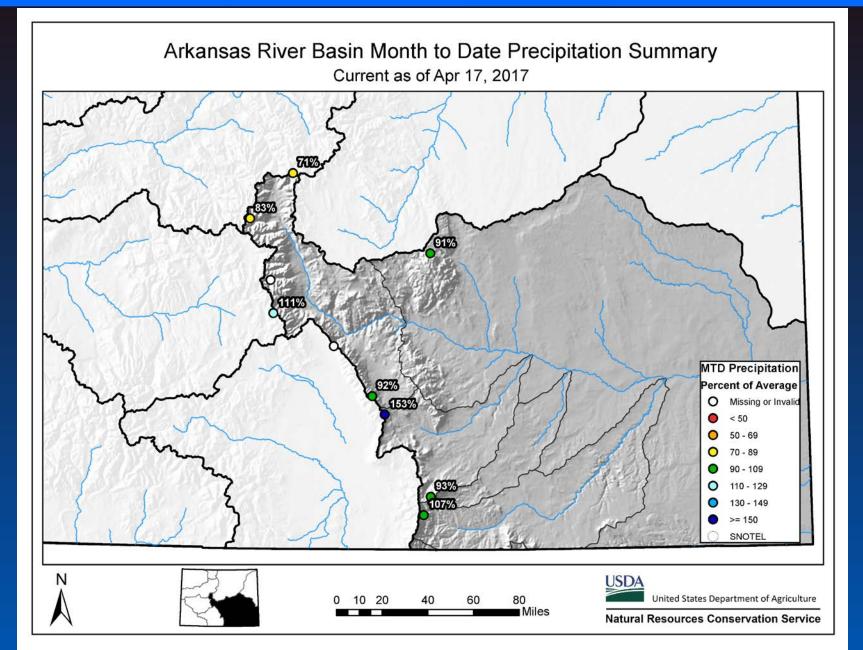




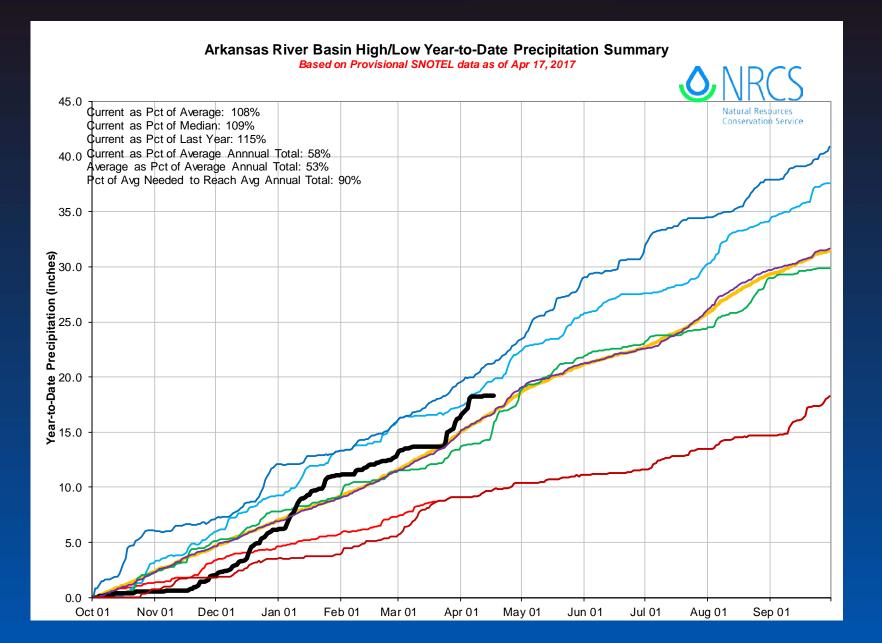


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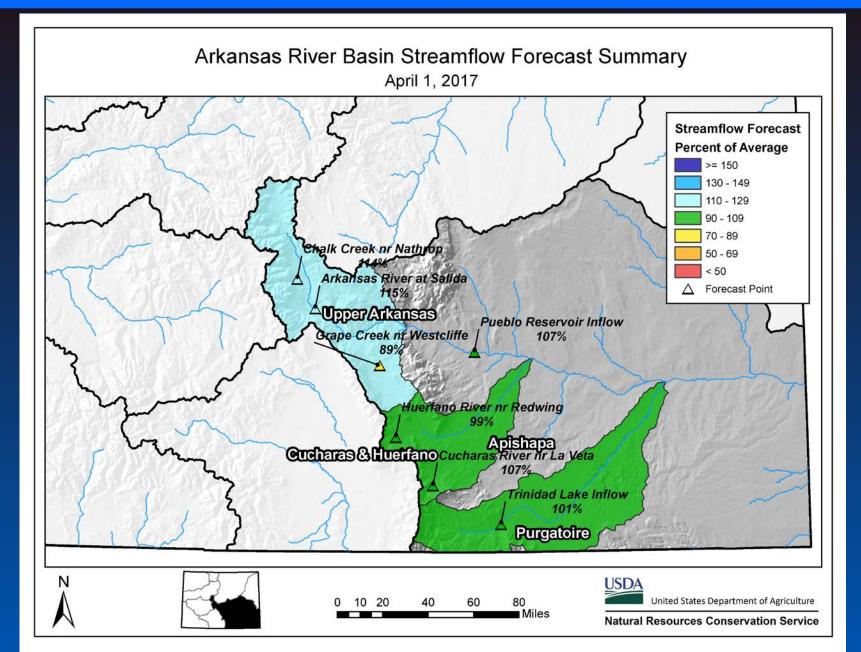






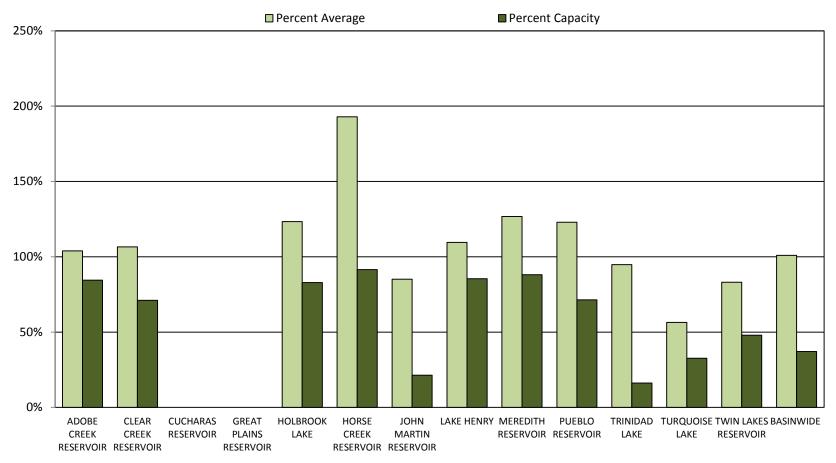






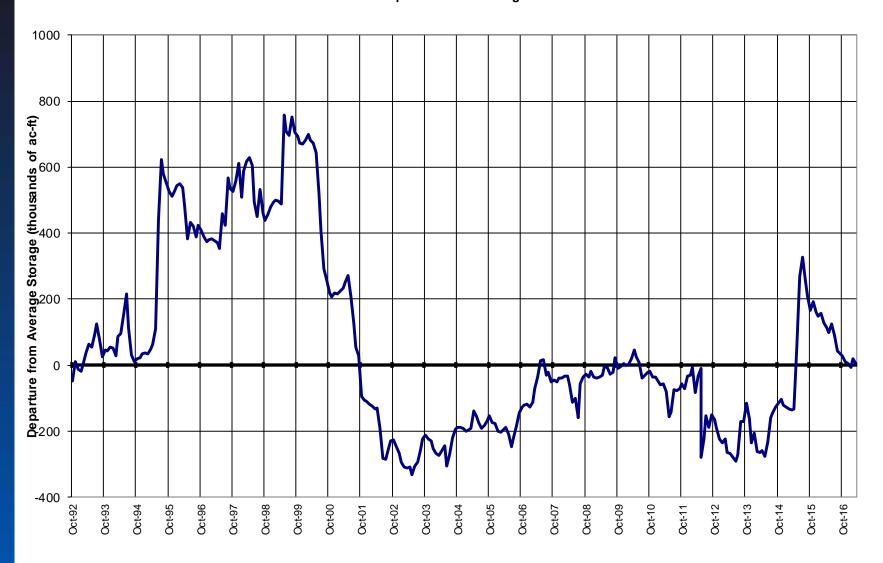


#### Reservoir Storage



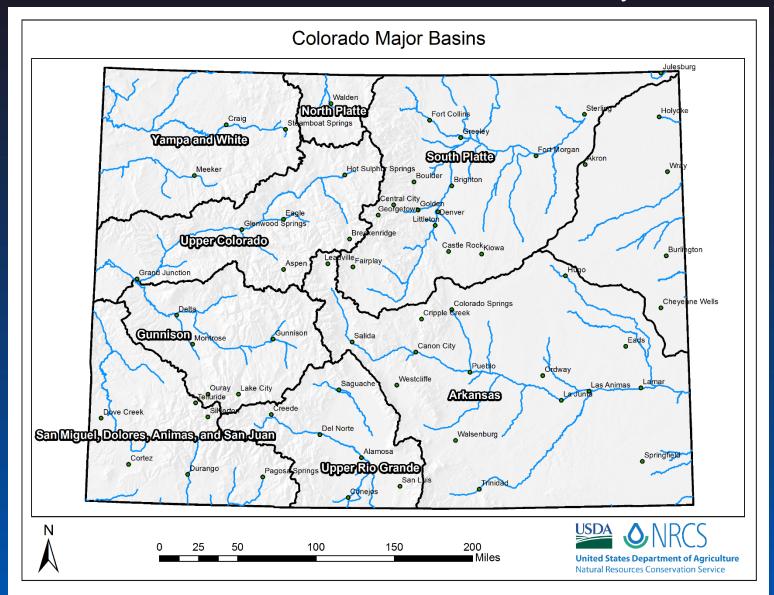


#### ARKANSAS RIVER BASIN Reservoir Storage Departure from Average

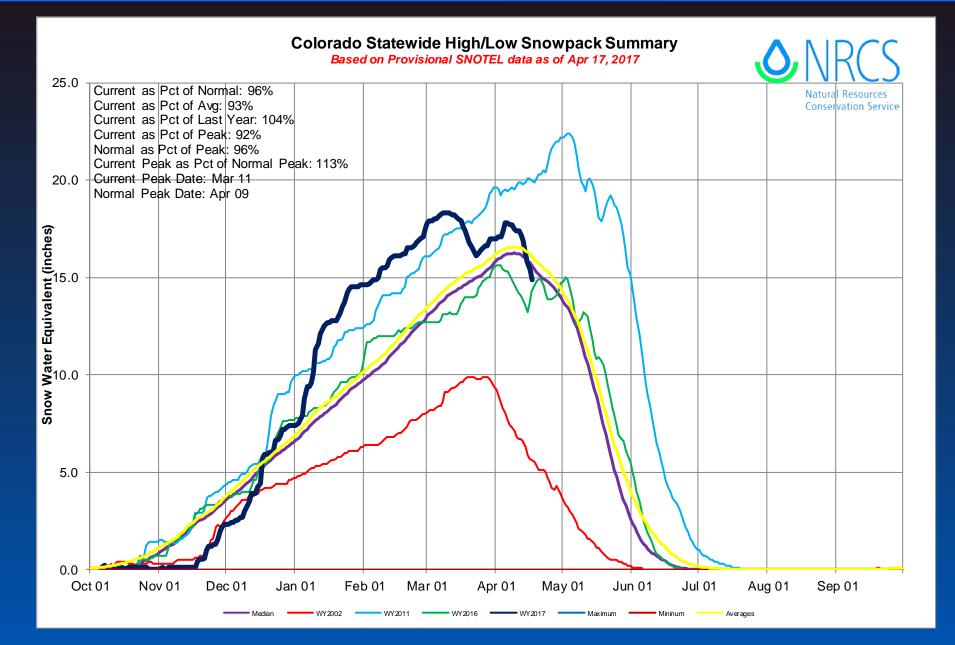




# Colorado Statewide Summary









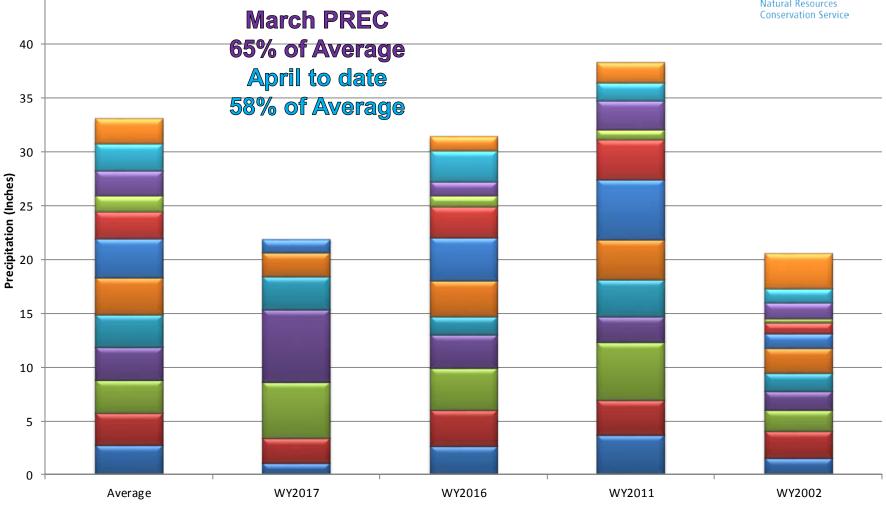
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#### **Colorado Snow Surveys**

#### **Colorado Statewide High/Low Monthly Precipitation Summary**

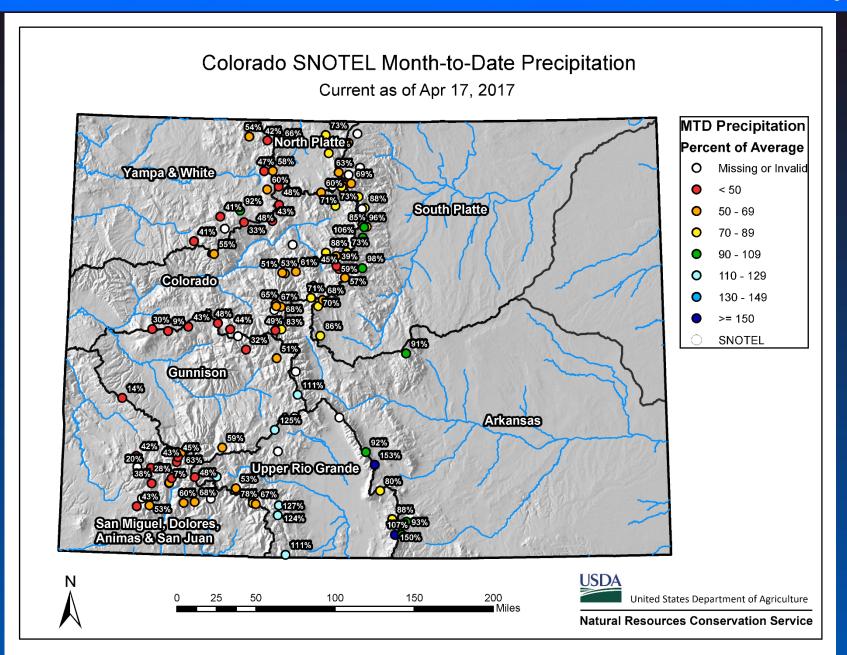
Based on Provisional SNOTEL data as of Apr 17, 2017

Natural Resources

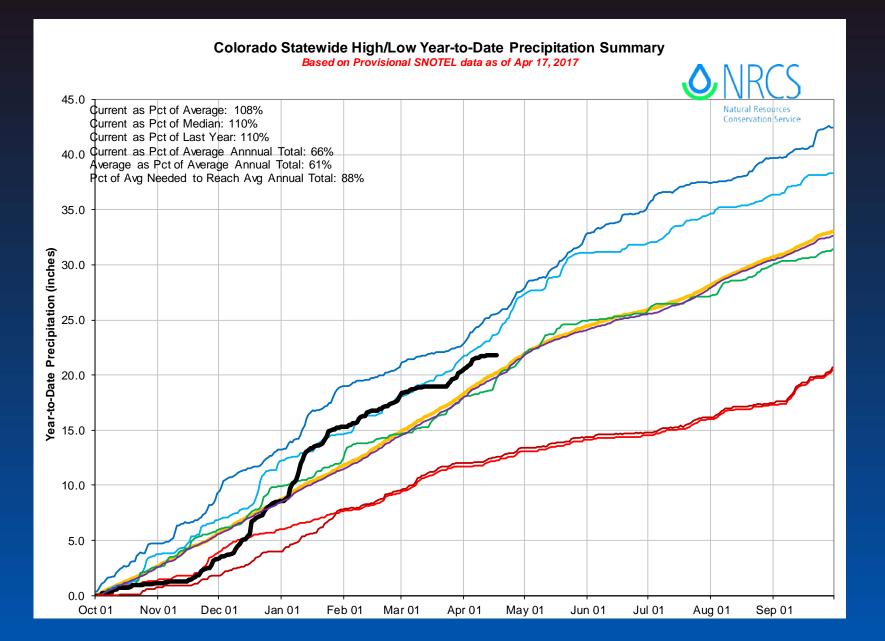


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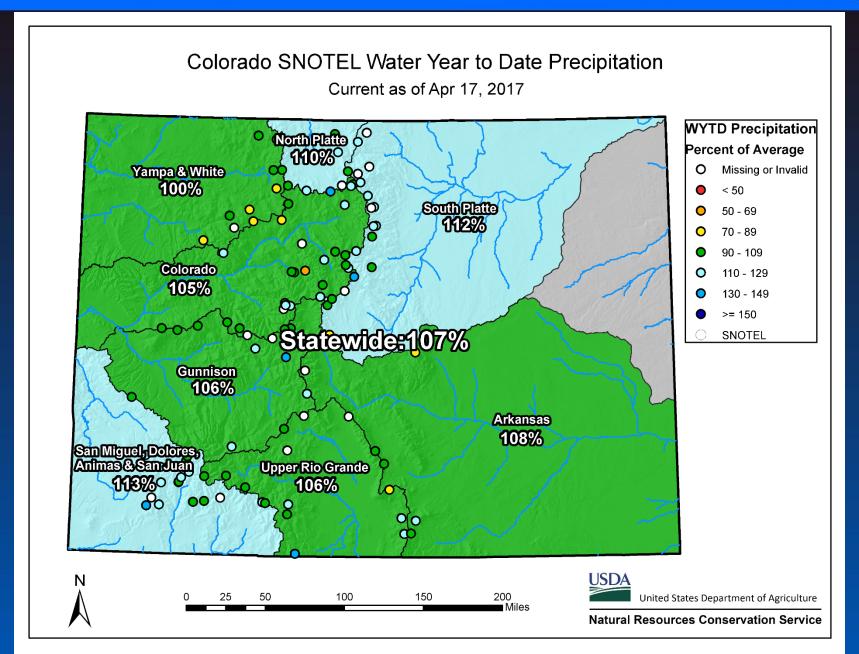
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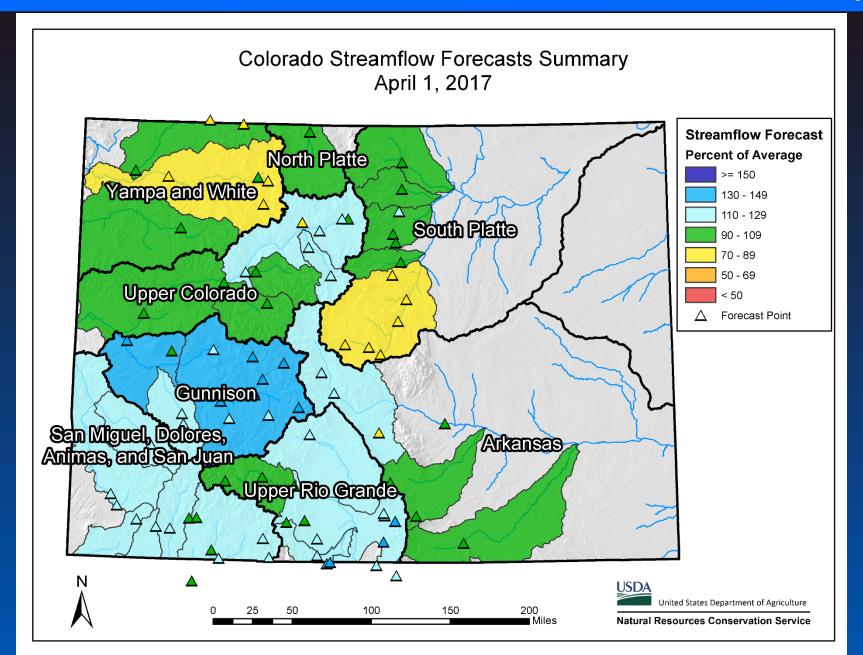






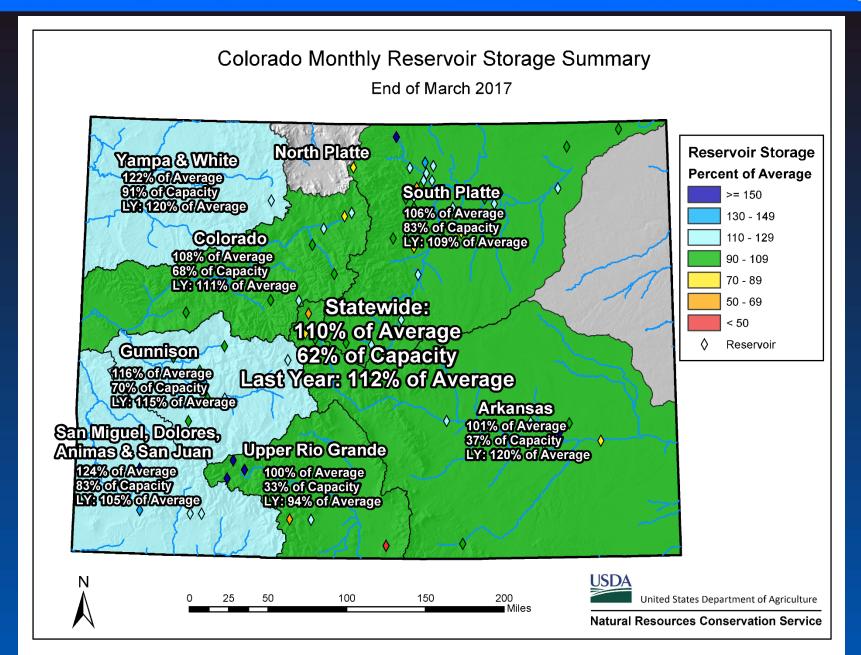
**United States Department of Agriculture** 

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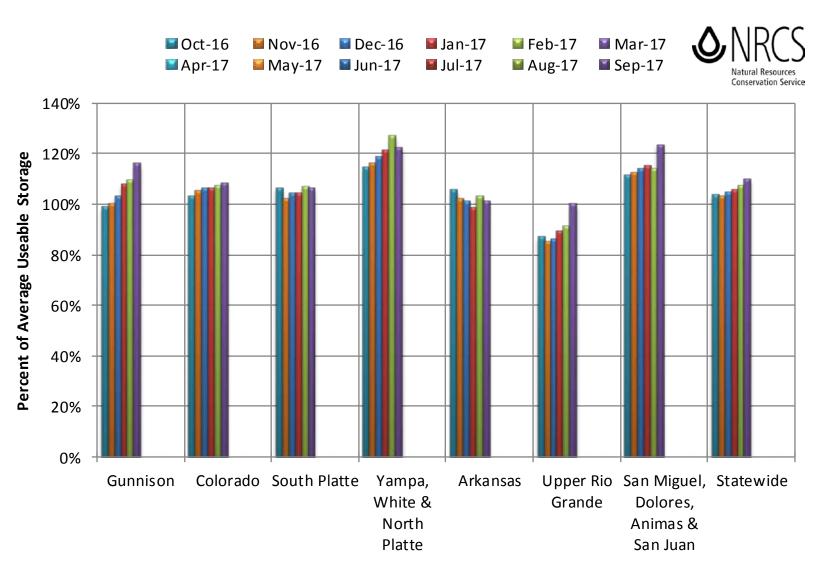
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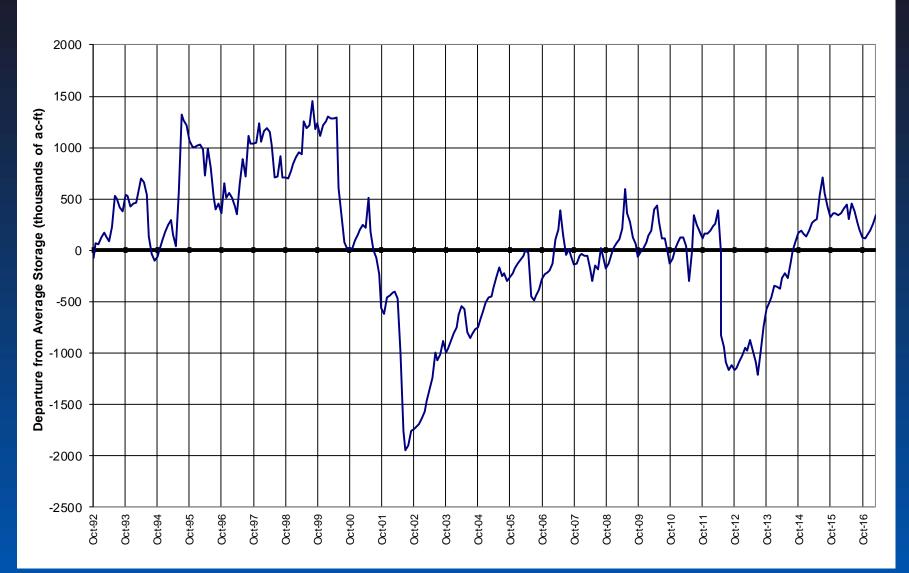
**Colorado Reservoir Storage** 

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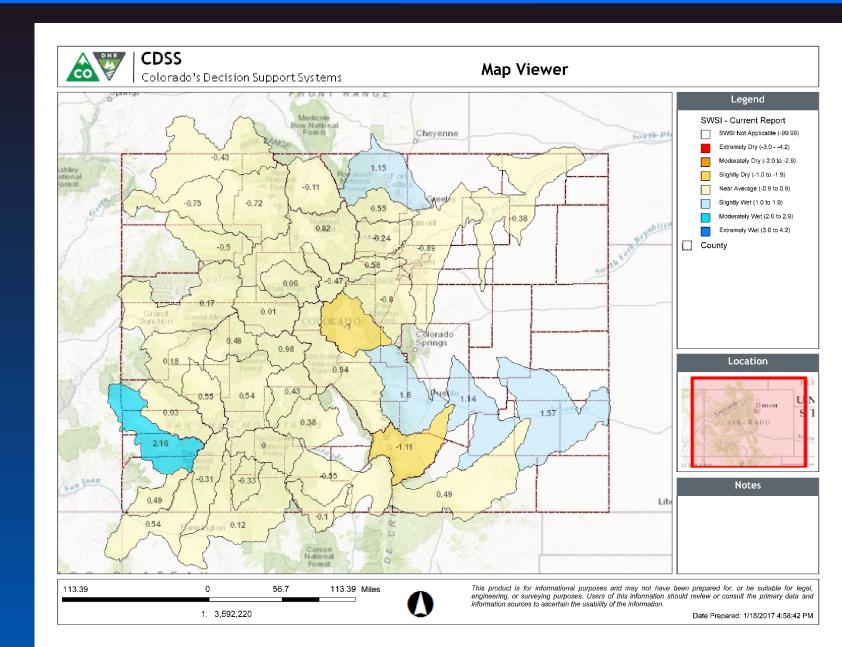
**United States Department of Agriculture** 



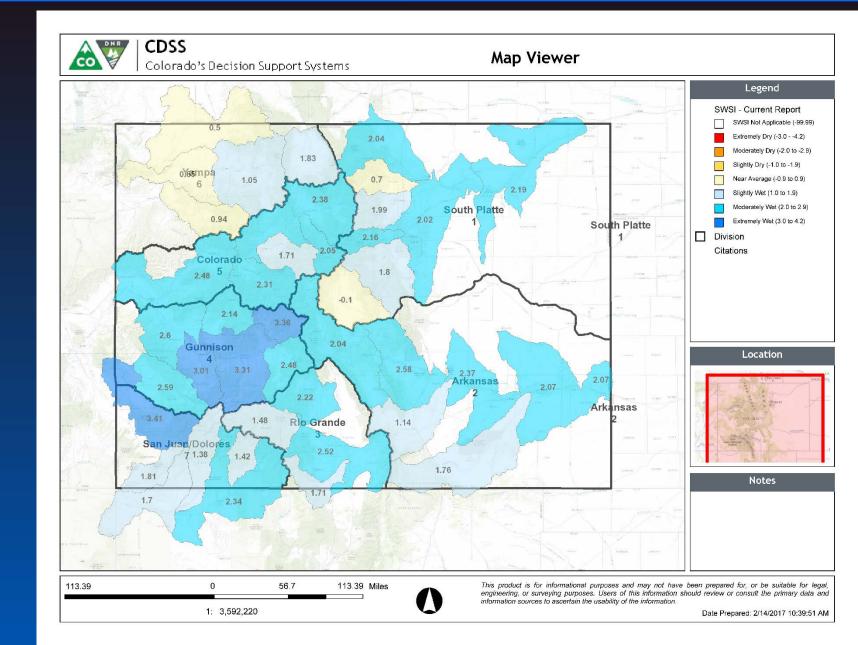








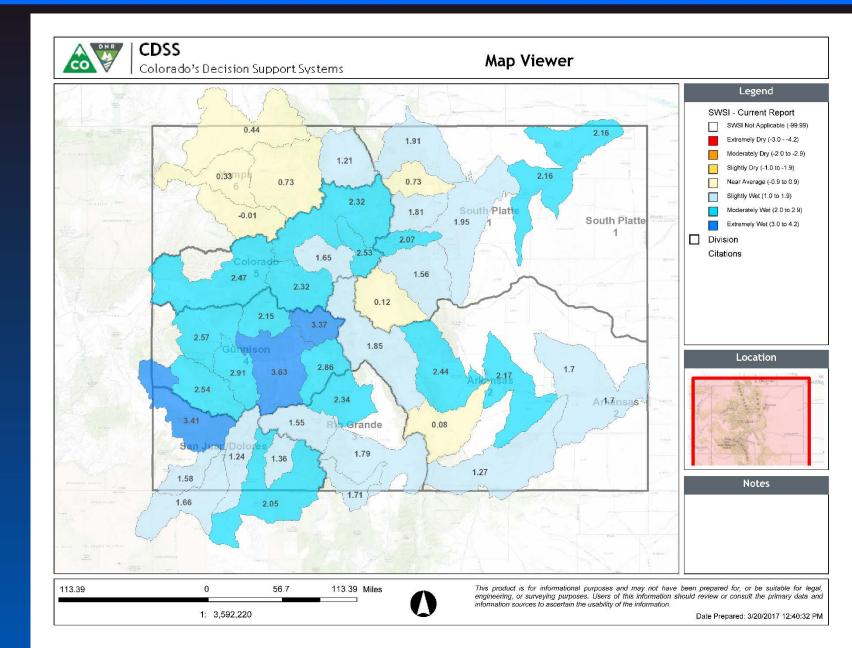






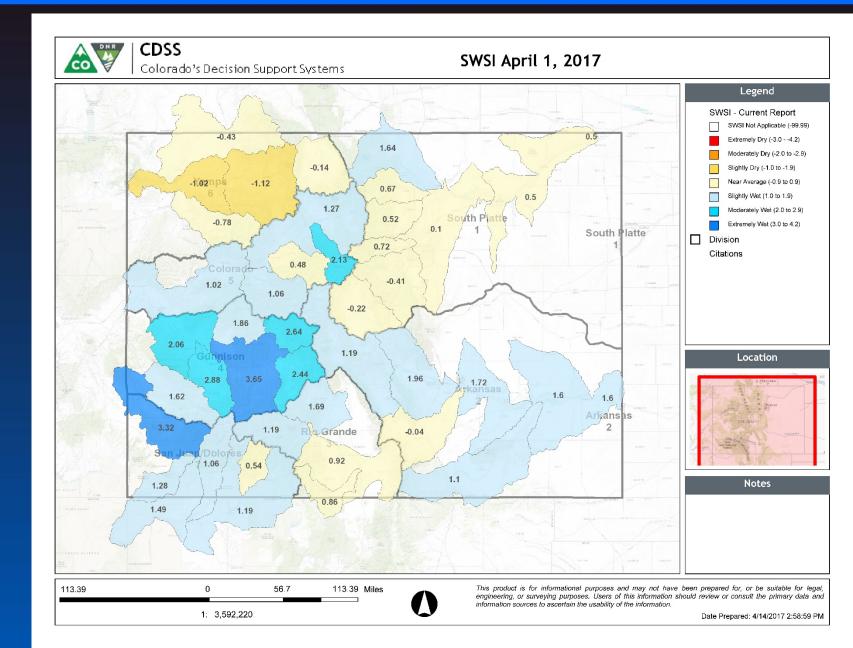
, 2017 SWSI

March 1





April 1, 2017 SWSI



# Summary

•Colorado Statewide snowpack is at 96% of normal, down from 121% on 3/17

•Due to the extremely warm dry spell in mid-March, snowpack melt rates will accelerate quickly each time CO returns to warm weather

•All River basins were able to reach or exceed typical peak snowpack levels this year some basins could still reach a new snowpack peak dependent on future weather

- Northern Basins met typical snowpack peak levels (SP, YWNP, & Colorado)
- Southern Basins exceeded typical snowpack peak levels (inc. Gunnison)
- Some basins could achieve a new peak with adequate future weather
- However most basins peaked early but saw some recovery
- •All basins at or above normal reservoir storage statewide-110% norm

•SWSIs are on the decline after last two months' below normal precip •Streamflow forecasts did in fact fall considerably – range from 147% of normal on Tomichi Ck to 78% on Antero & Yampa abv Stagecoach



# Water Availability Task Force Meeting April 18<sup>th</sup>, 2017

# NRCS Snow Survey and Water Supply Forecasting Program

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