



# Water Availability Task Force Meeting

## August 25<sup>th</sup>, 2020

### NRCS Snow Survey and Water Supply Forecasting Program

Karl Wetlaufer

Hydrologist

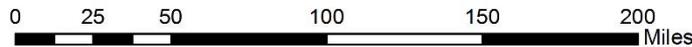
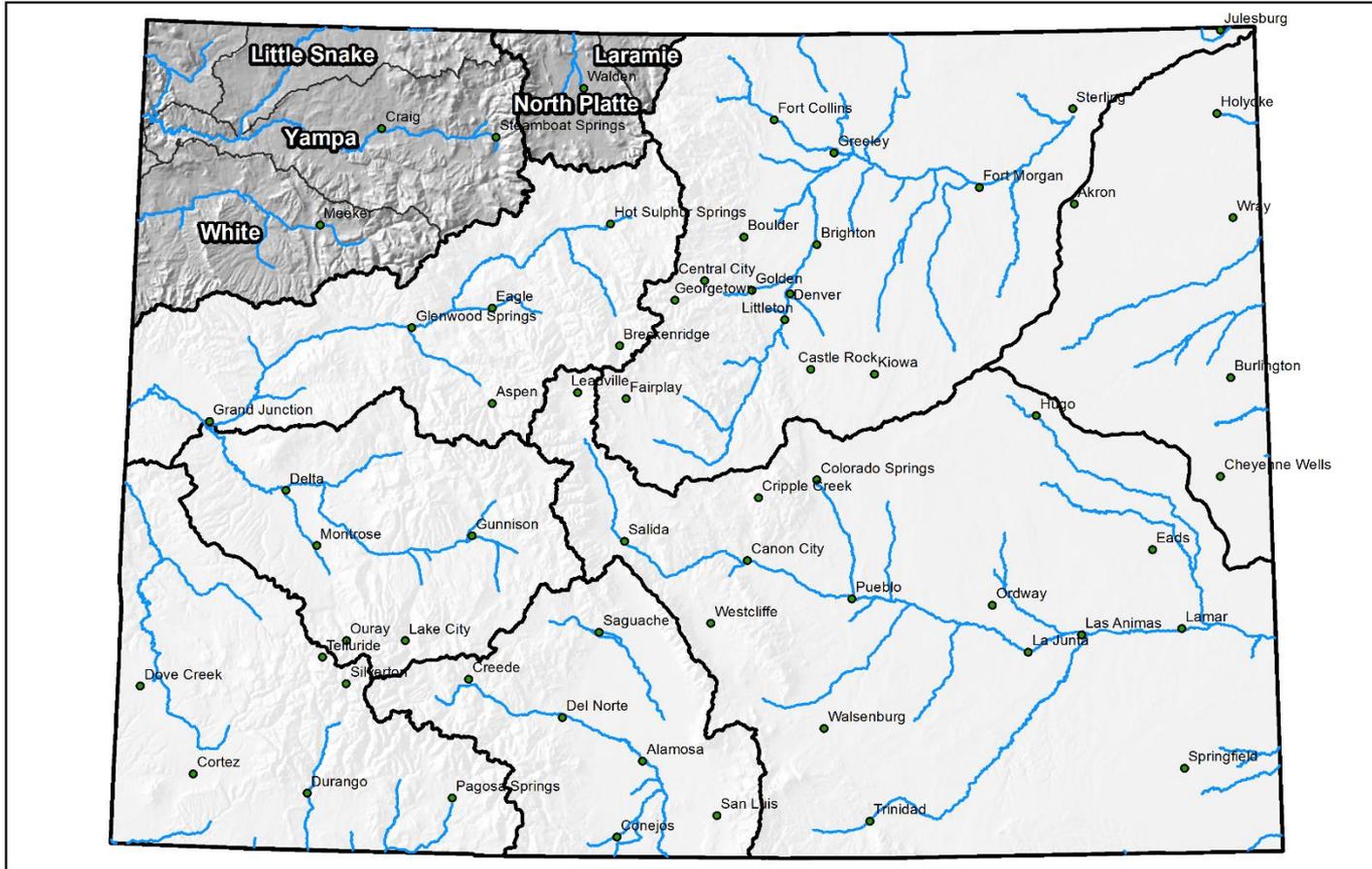
Colorado Assistant Snow Survey Supervisor

720-544-2852

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

## Major Basin Summary

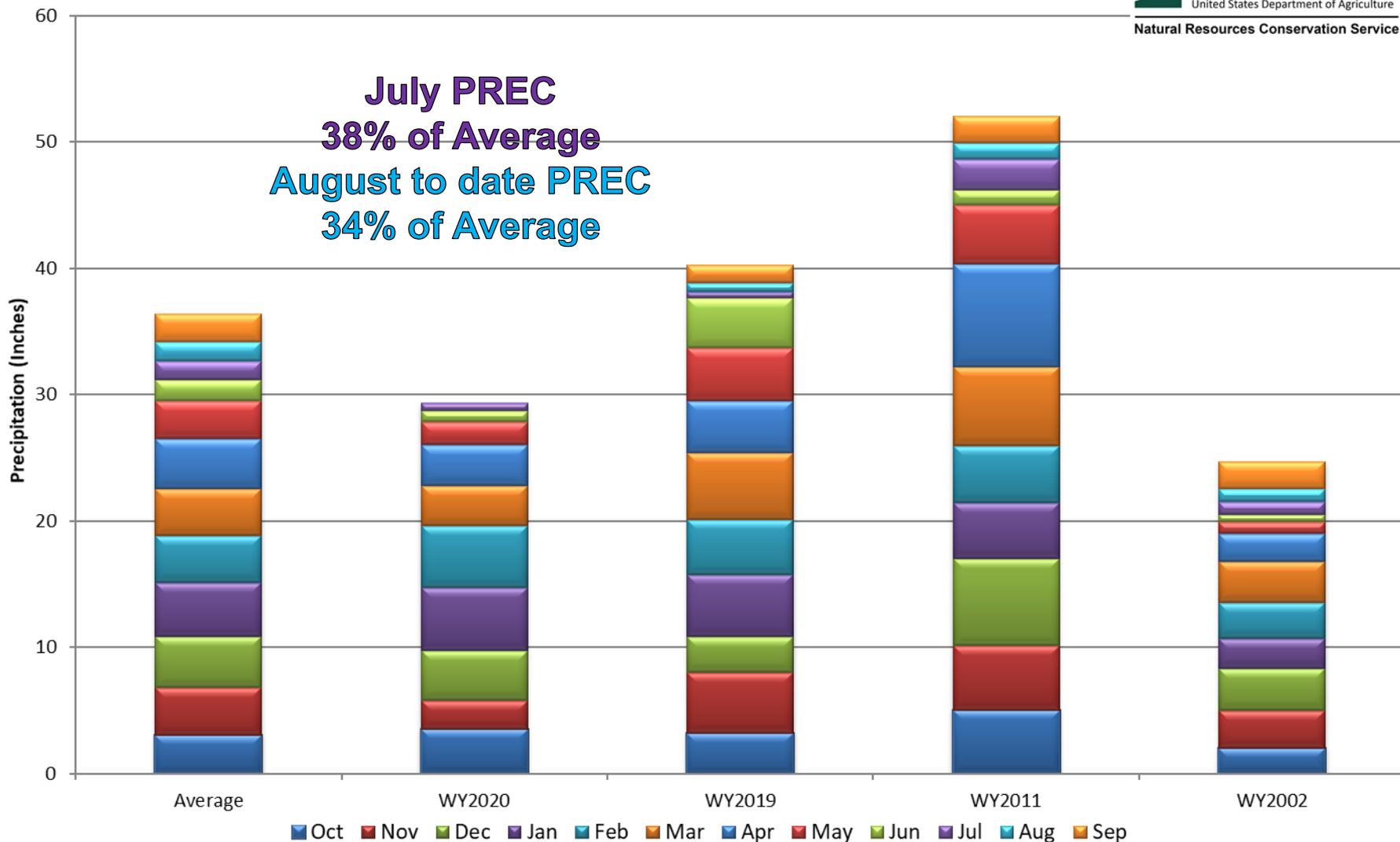
### Yampa, White, and North Platte River Basins



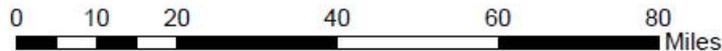
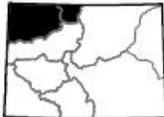
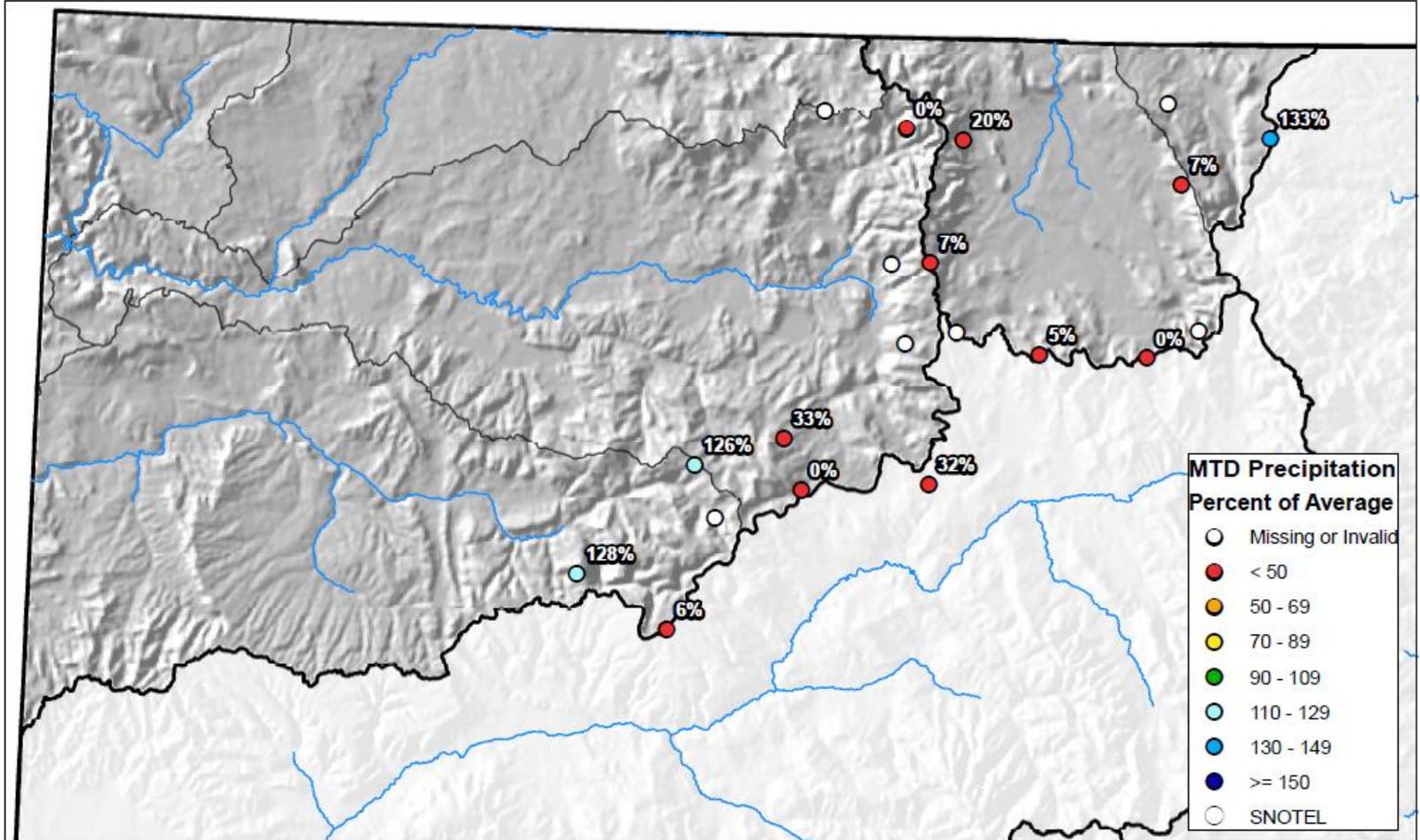
## Yampa and White River Basins High/Low Monthly Precipitation Summary

*Based on Provisional SNOTEL data as of Aug 24, 2020*

**July PREC**  
**38% of Average**  
**August to date PREC**  
**34% of Average**

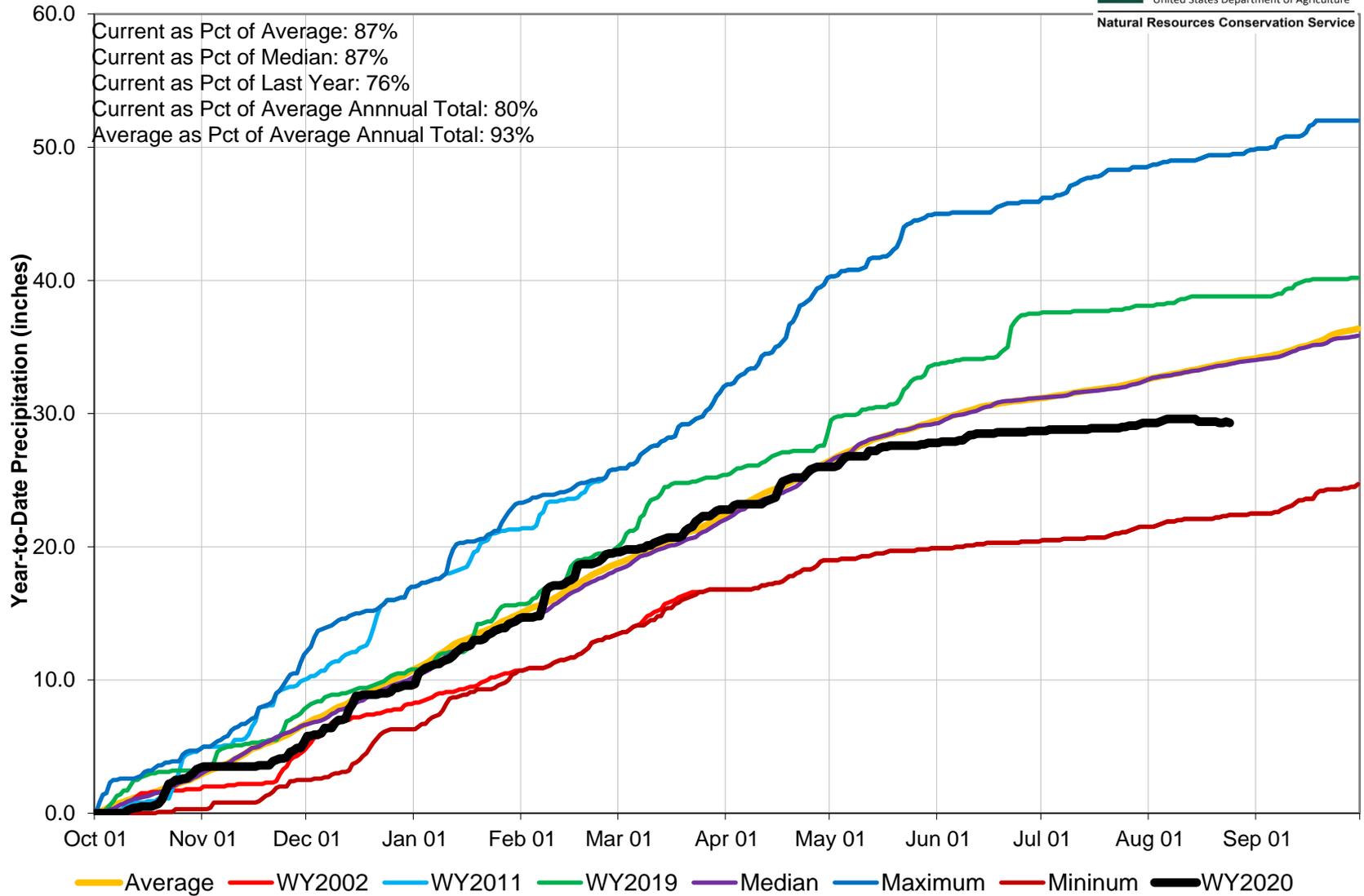


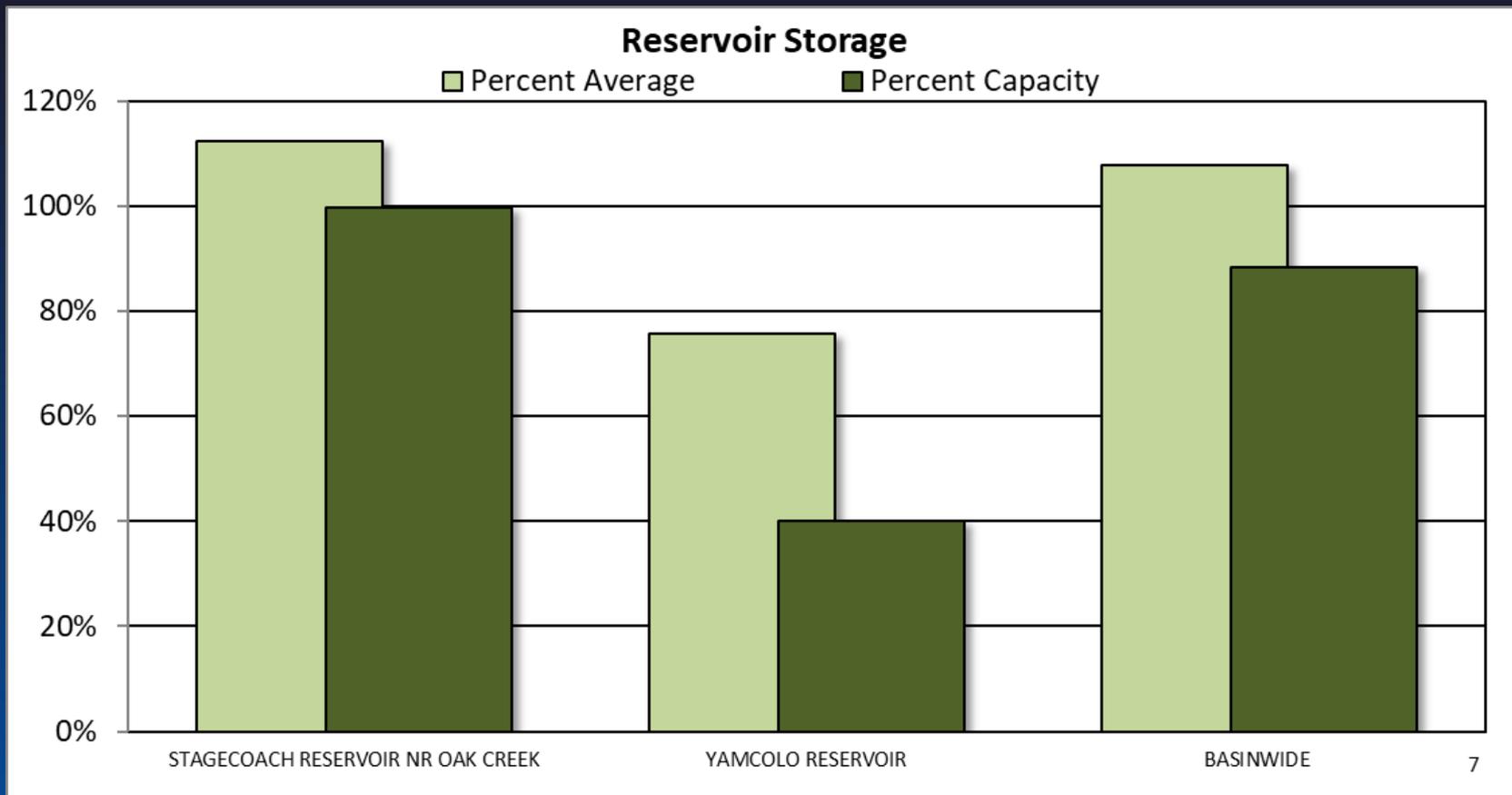
## Yampa, White, and North Platte River Basins Month to Date Precipitation Summary Current as of Aug 24, 2020



## Yampa and White River Basins High/Low Year-to-Date Precipitation Summary

*Based on Provisional SNOTEL data as of Aug 24, 2020*

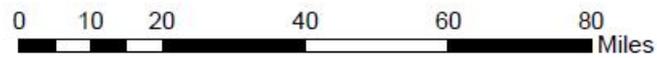
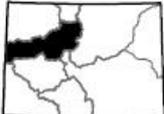
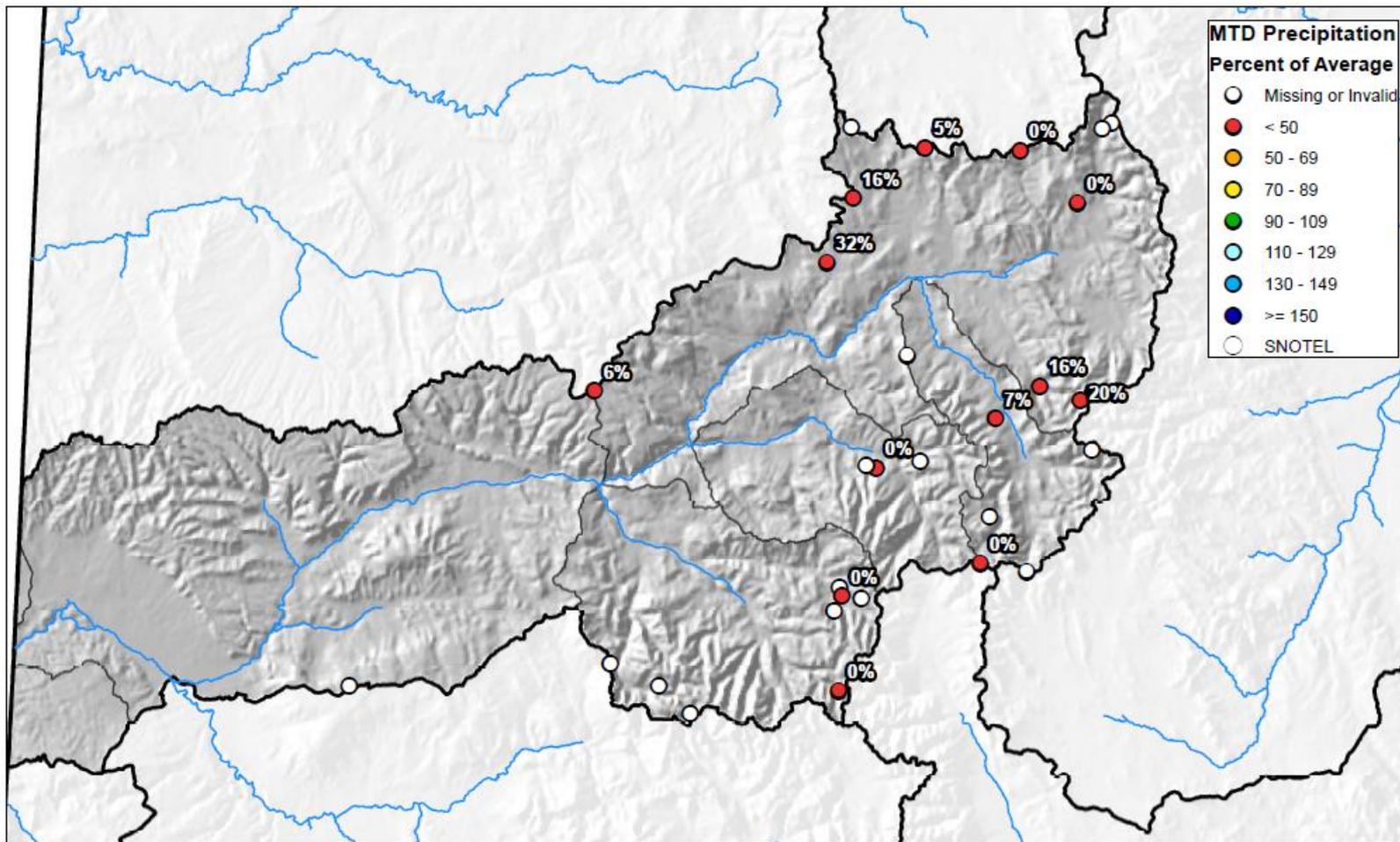






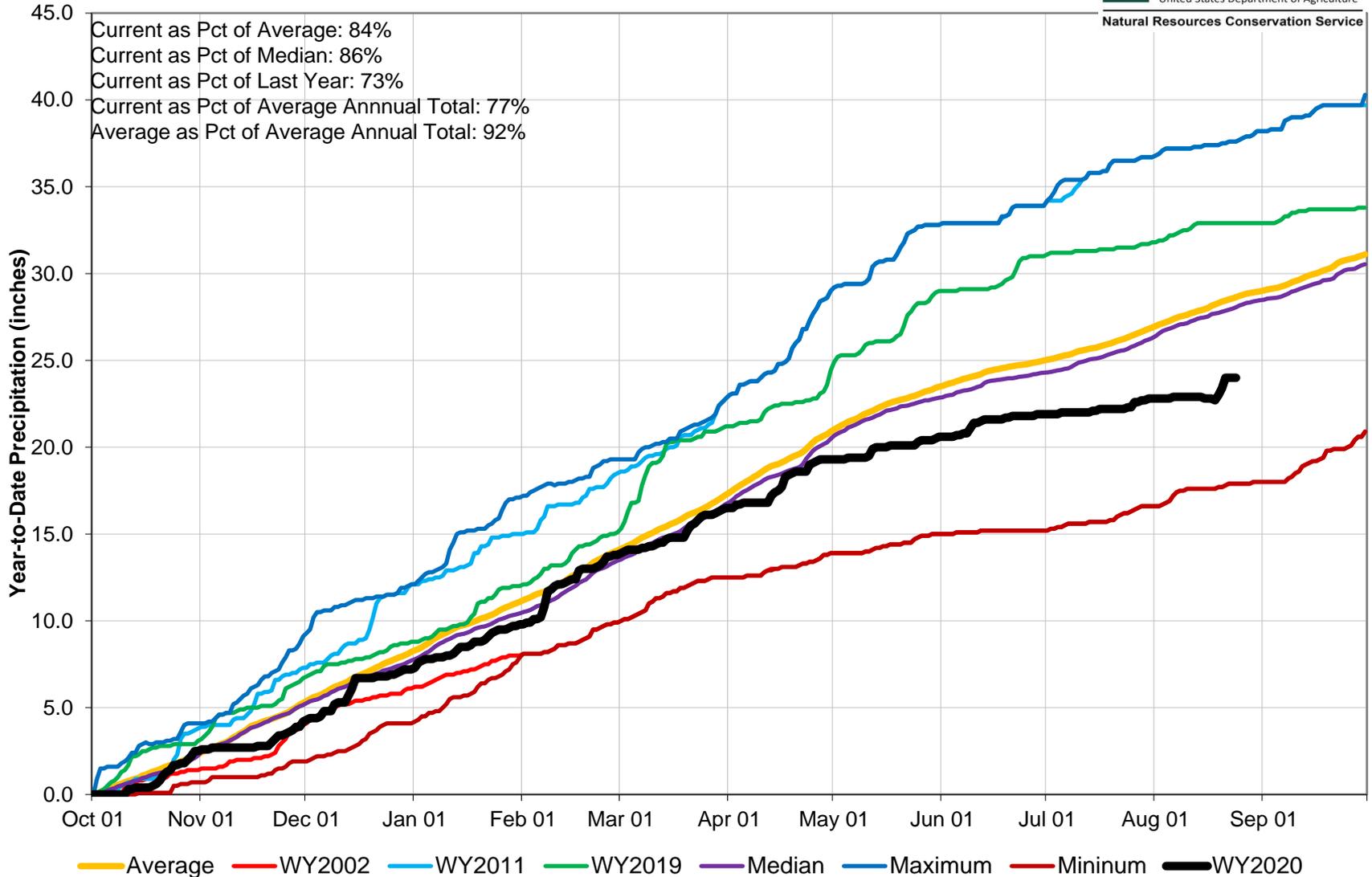


## Upper Colorado River Basin Month to Date Precipitation Summary Current as of Aug 24, 2020



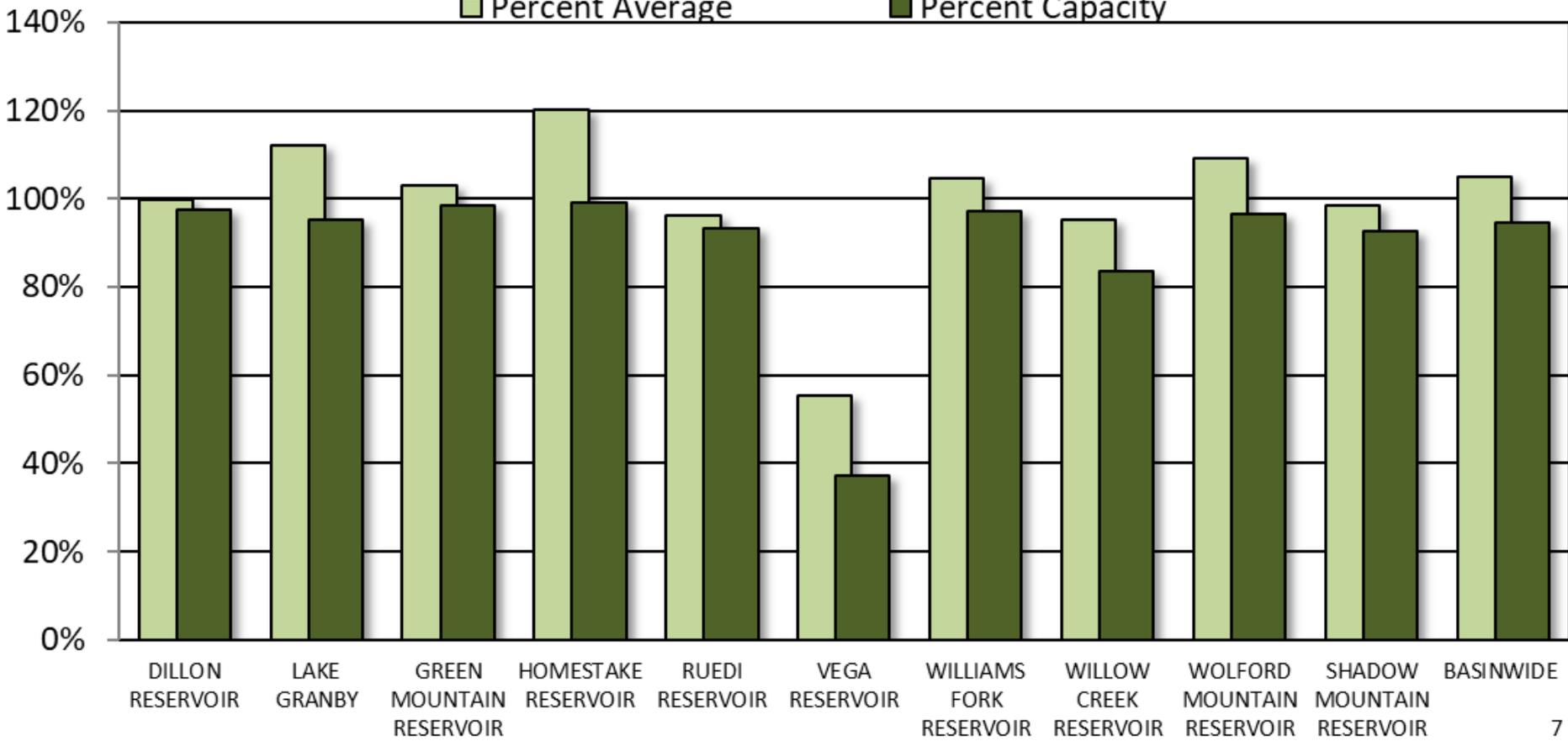
## Upper Colorado River Basin High/Low Year-to-Date Precipitation Summary

*Based on Provisional SNOTEL data as of Aug 24, 2020*



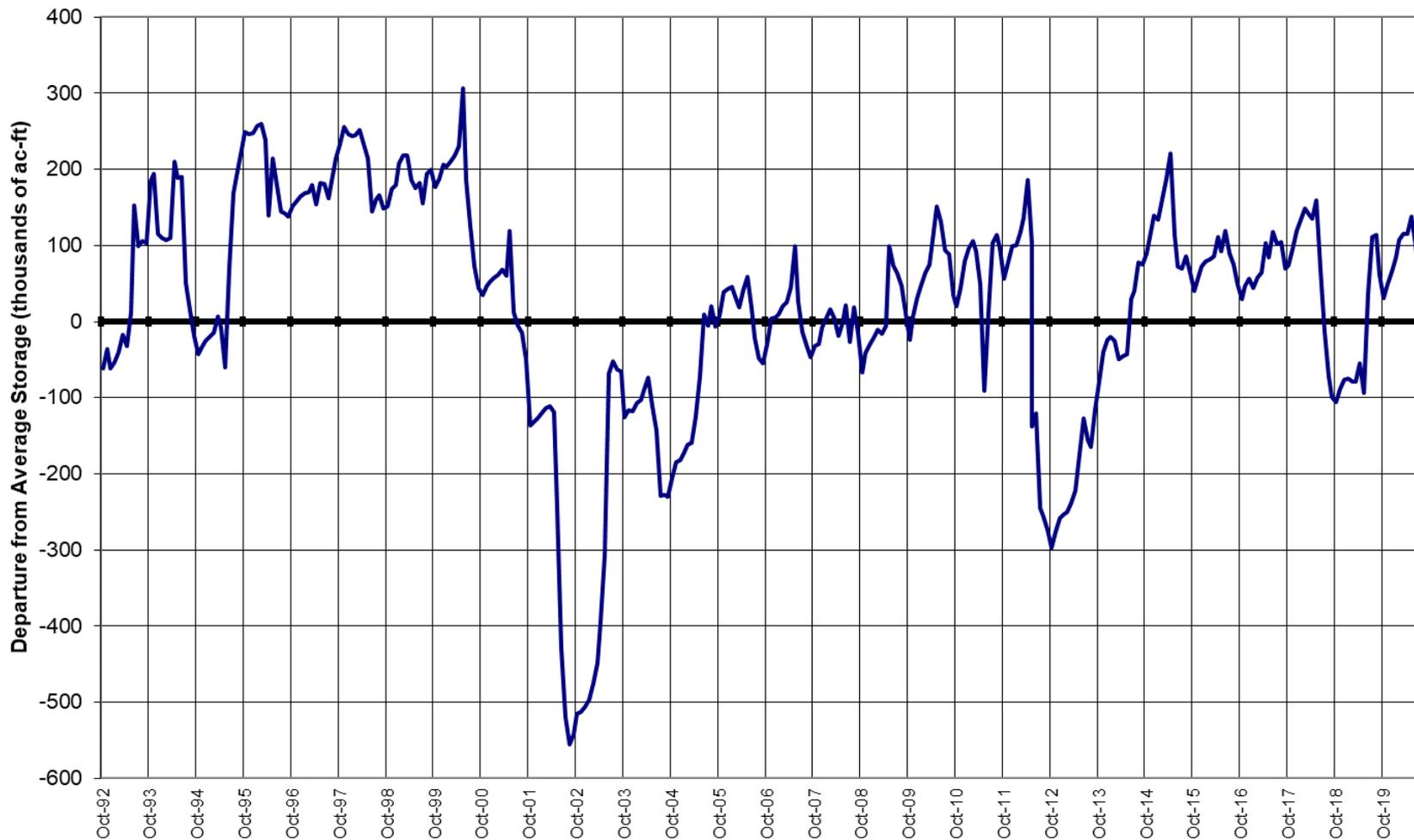
## Reservoir Storage

■ Percent Average      ■ Percent Capacity



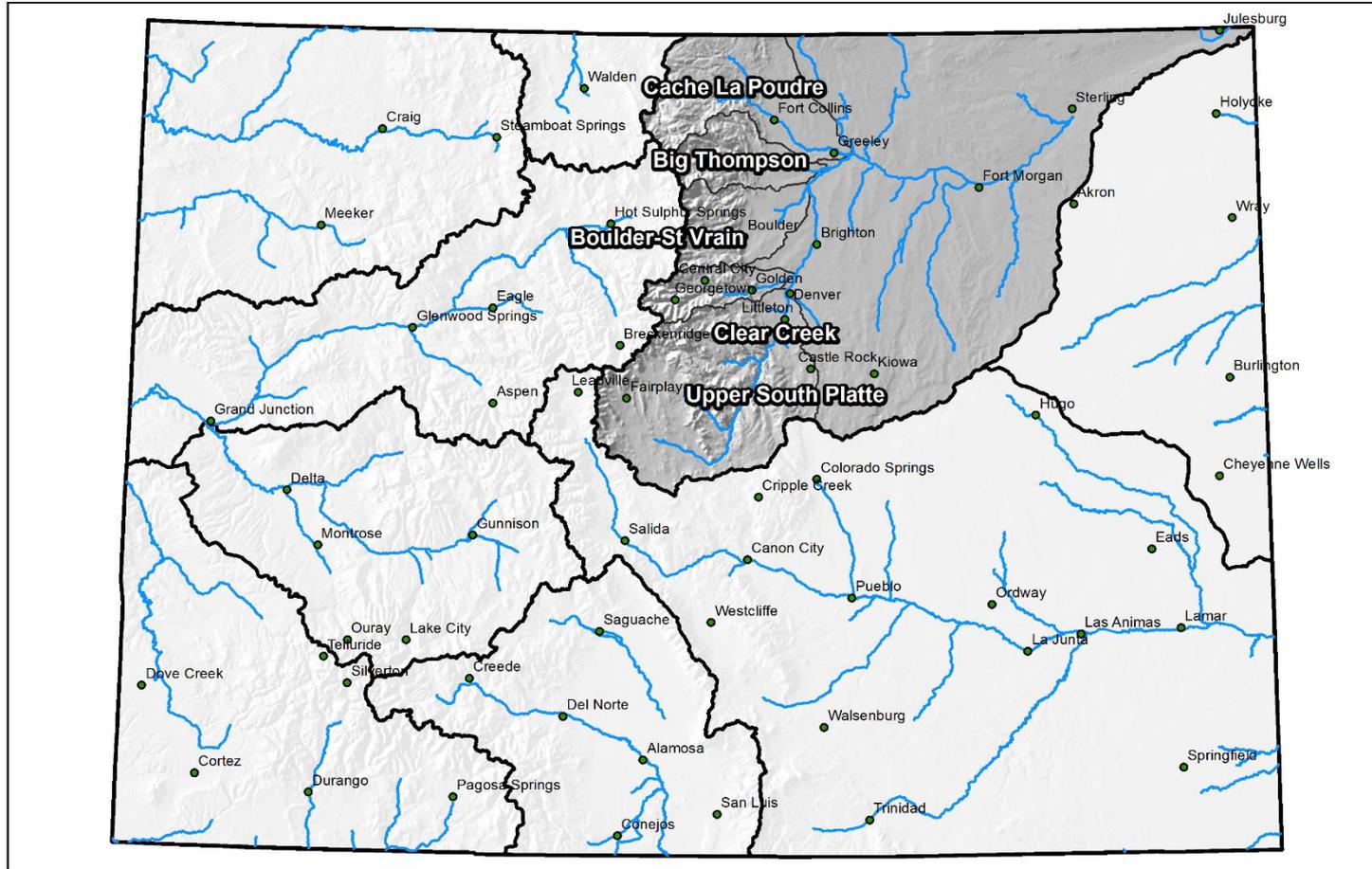


## COLORADO RIVER BASIN Reservoir Storage Departure from Average



## Major Basin Summary

South Platte River Basin



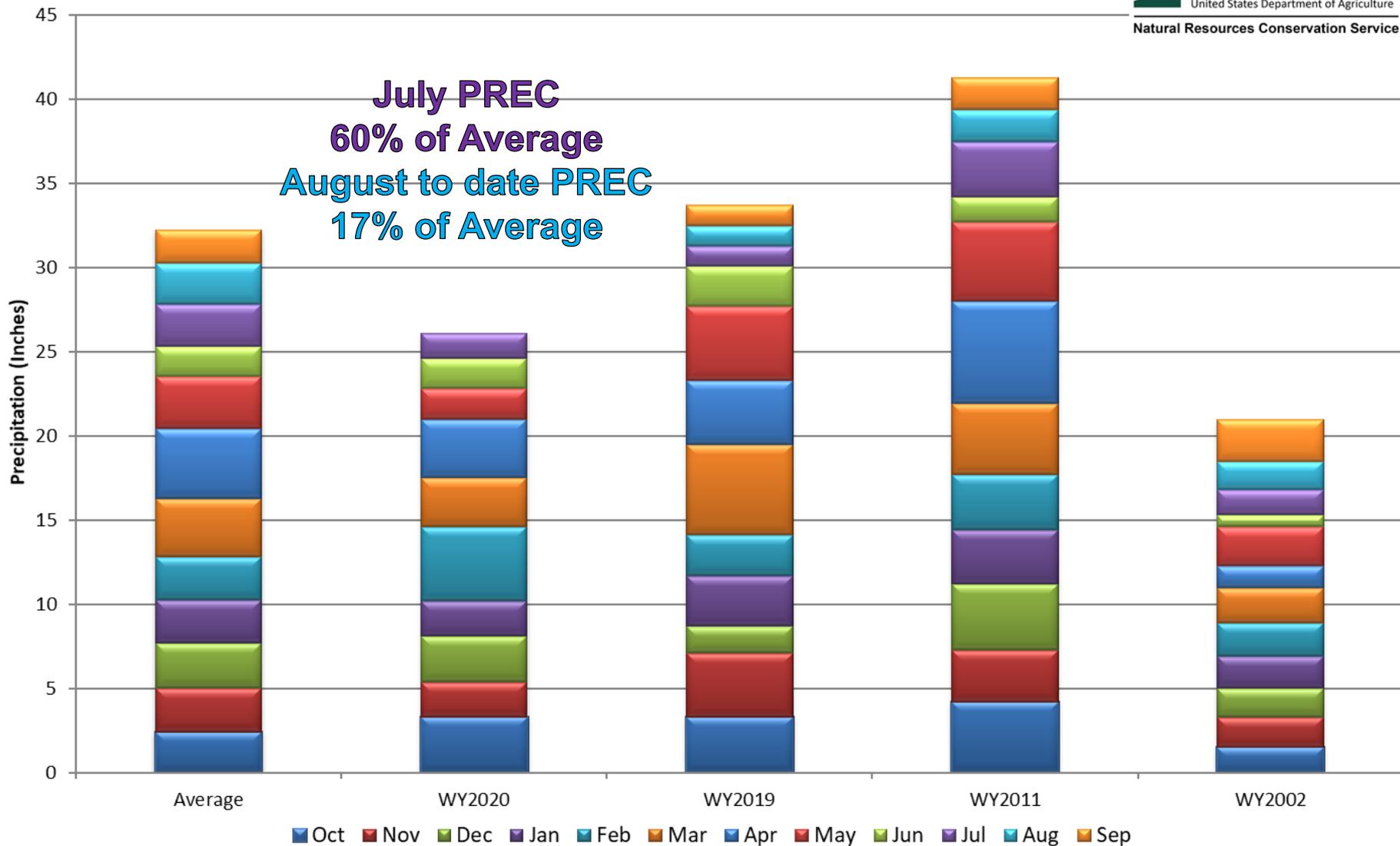


## South Platte River Basin High/Low Monthly Precipitation Summary

*Based on Provisional SNOTEL data as of Aug 24, 2020*

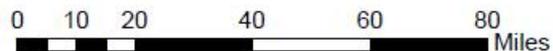
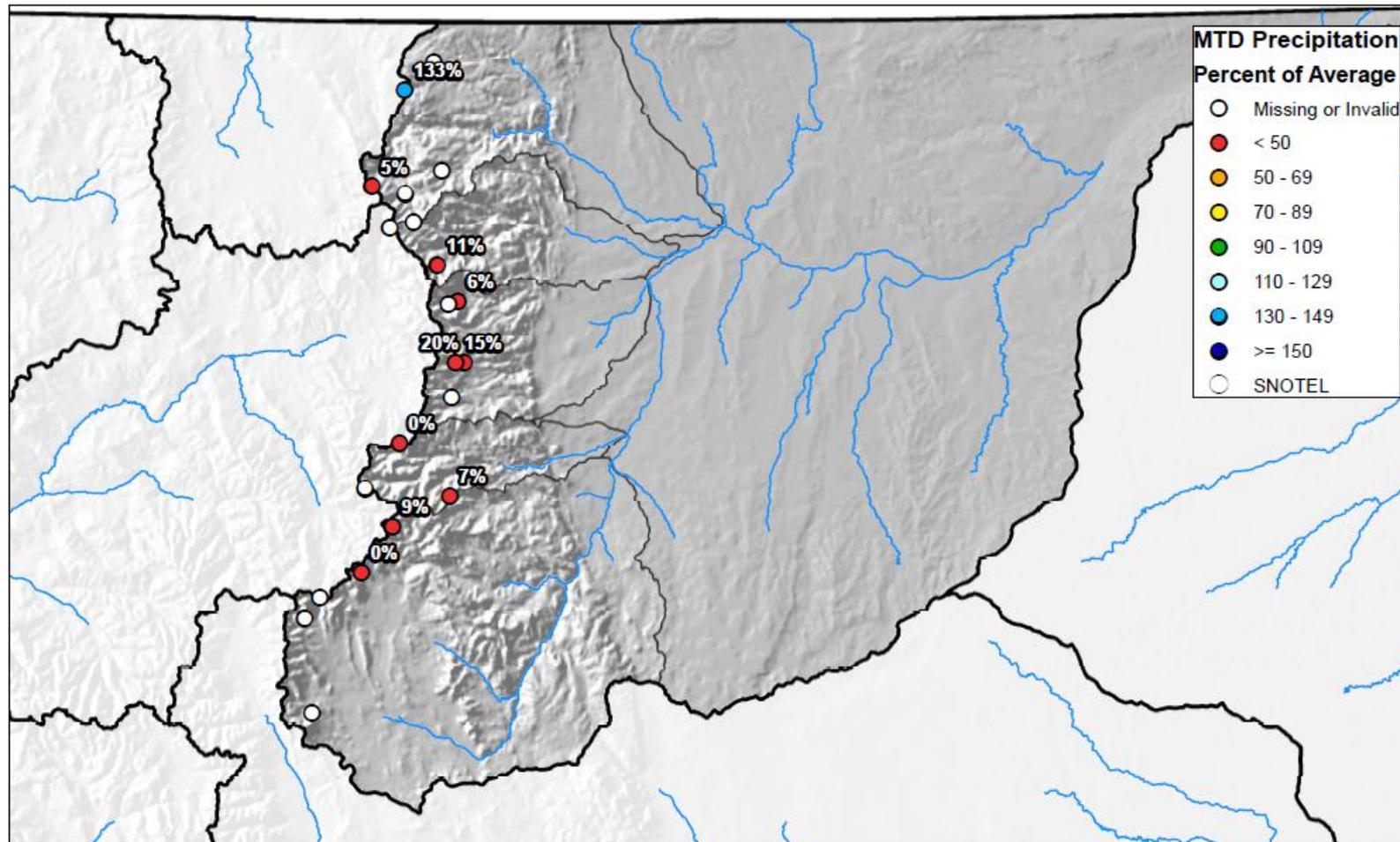


**July PREC**  
**60% of Average**  
**August to date PREC**  
**17% of Average**



## South Platte River Basin Month to Date Precipitation Summary

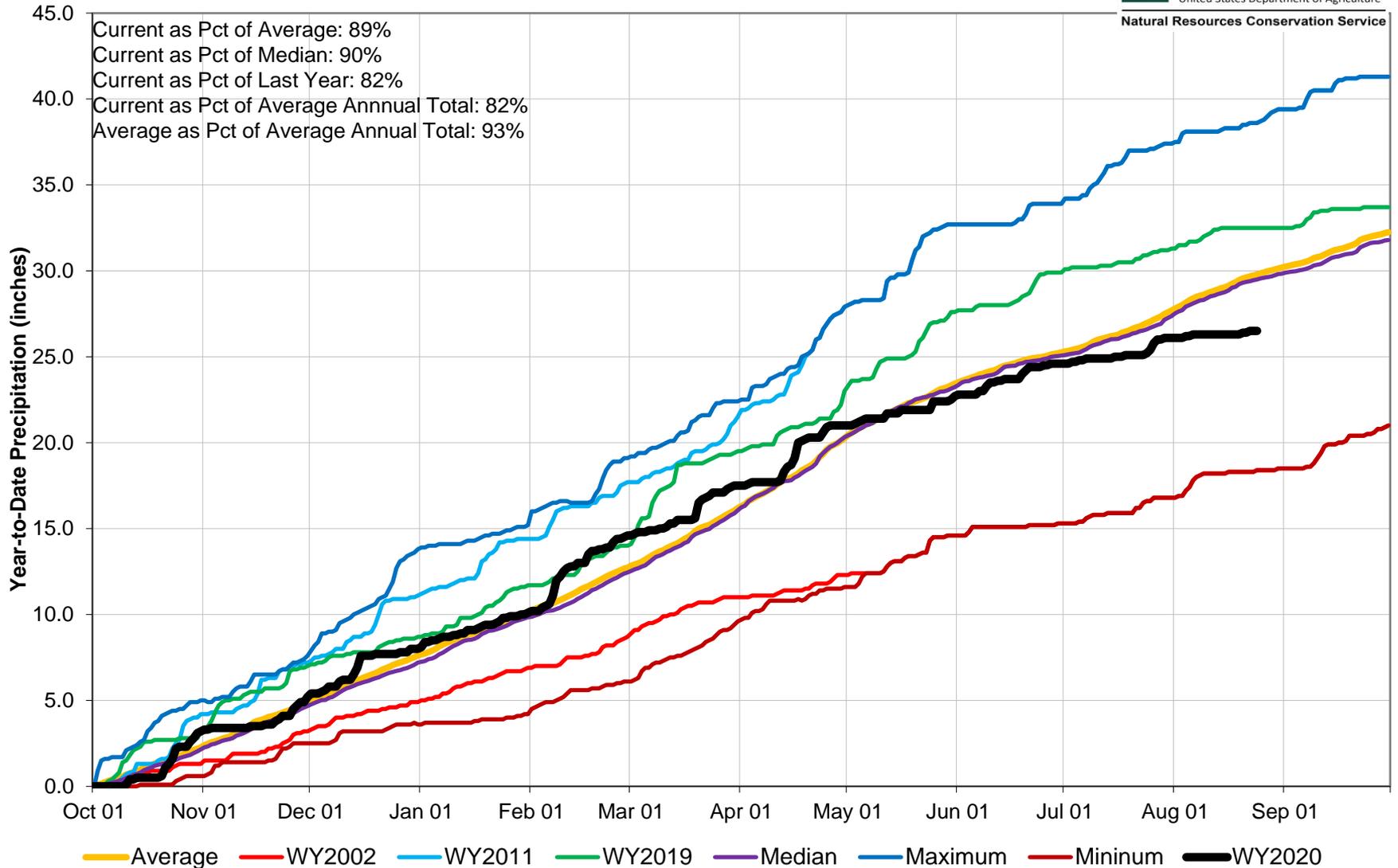
Current as of Aug 24, 2020

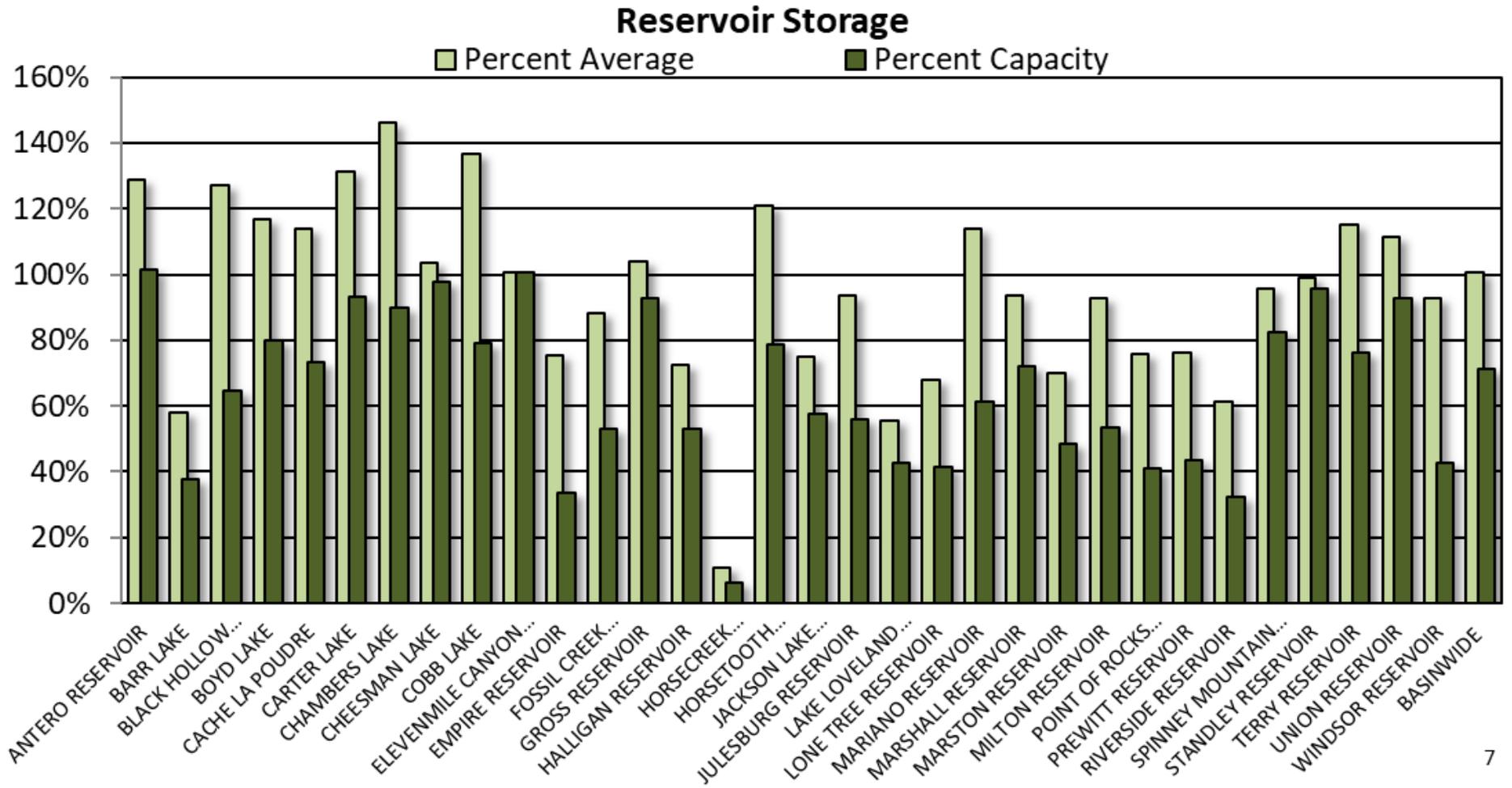


## South Platte River Basin High/Low Year-to-Date Precipitation Summary

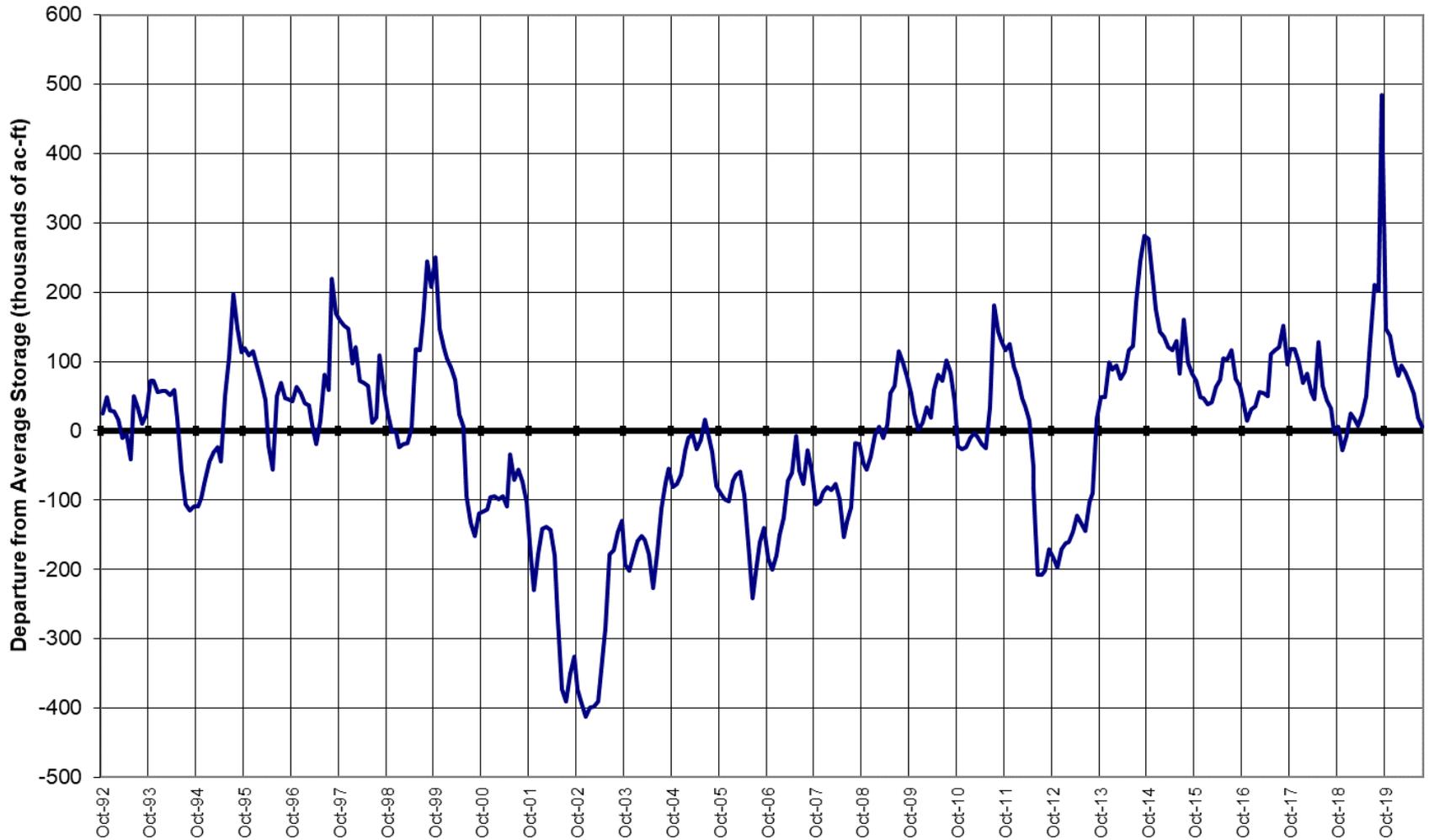
*Based on Provisional SNOTEL data as of Aug 24, 2020*

USDA  
United States Department of Agriculture  
Natural Resources Conservation Service





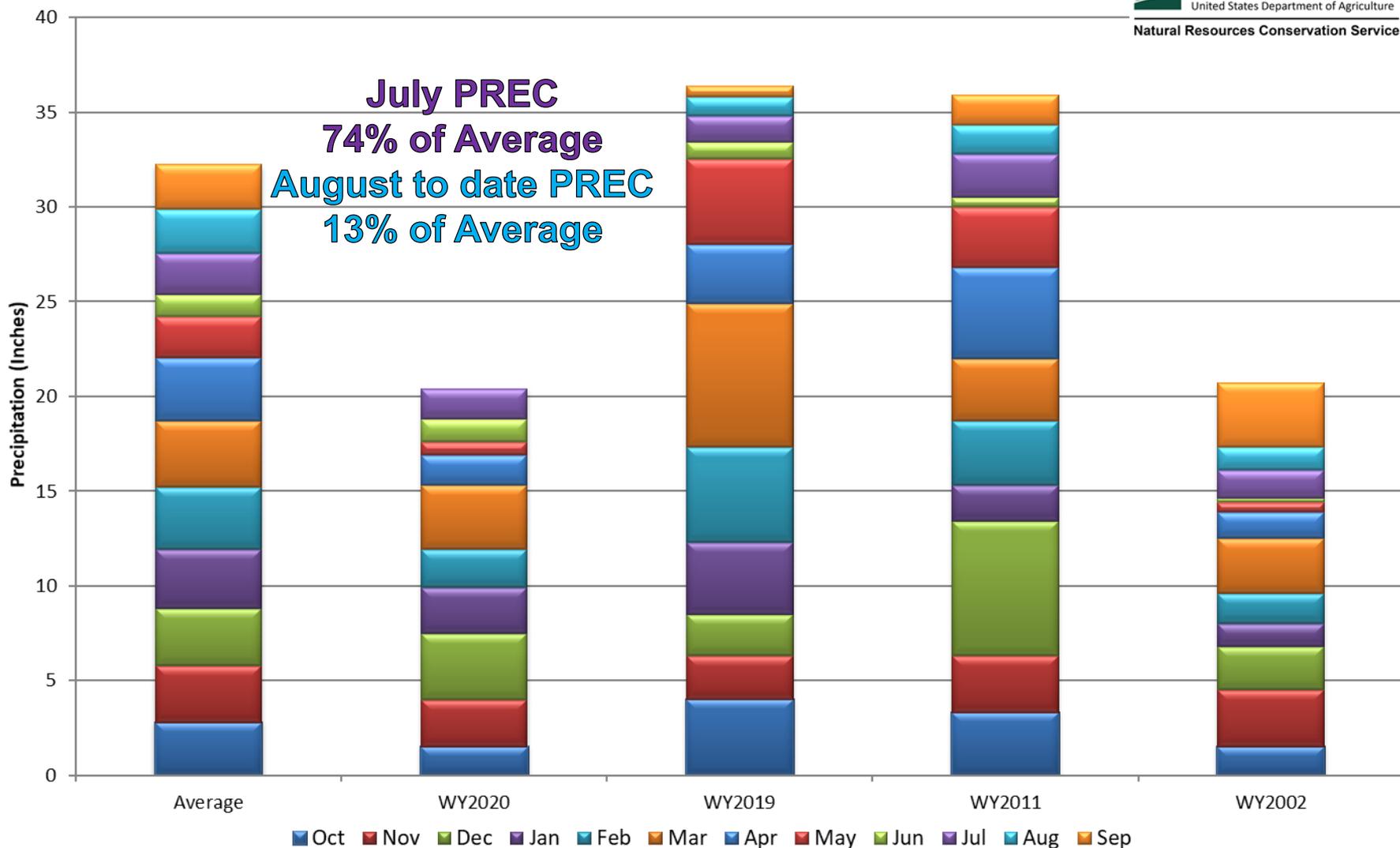
**SOUTH PLATTE RIVER BASIN**  
**Reservoir Storage**  
**Departure from Average**



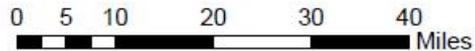
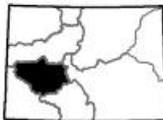
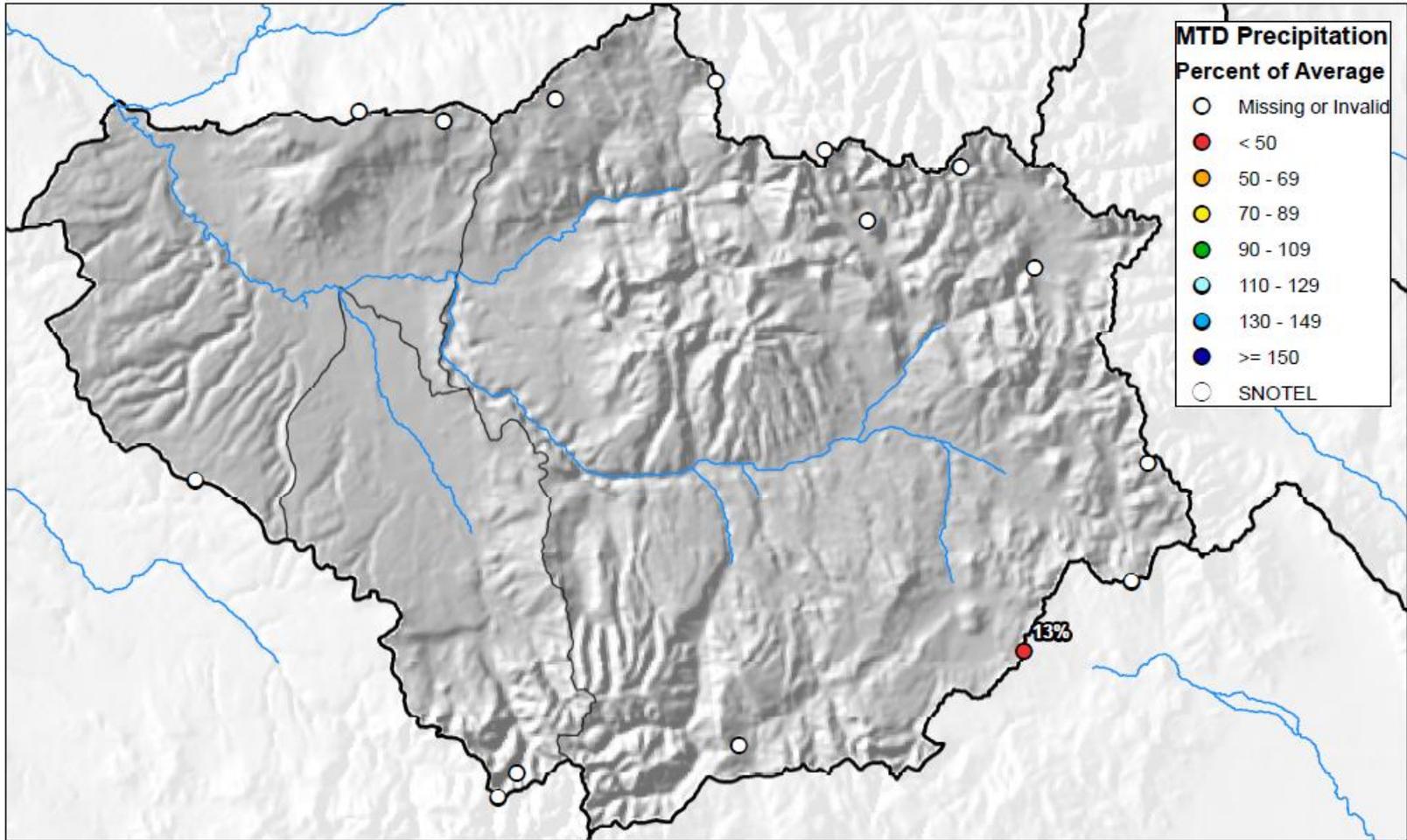


## Gunnison River Basin High/Low Monthly Precipitation Summary

*Based on Provisional SNOTEL data as of Aug 24, 2020*

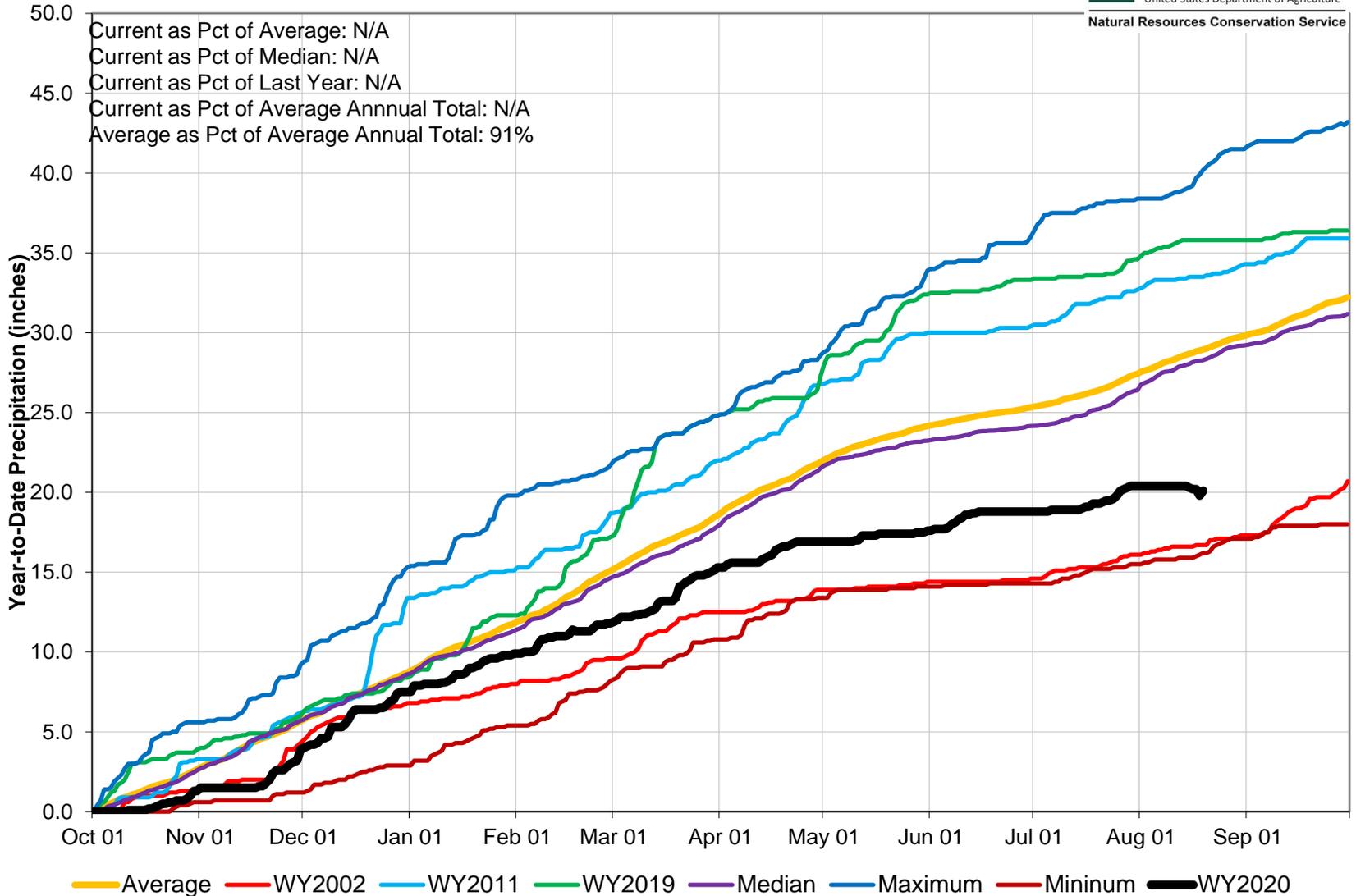


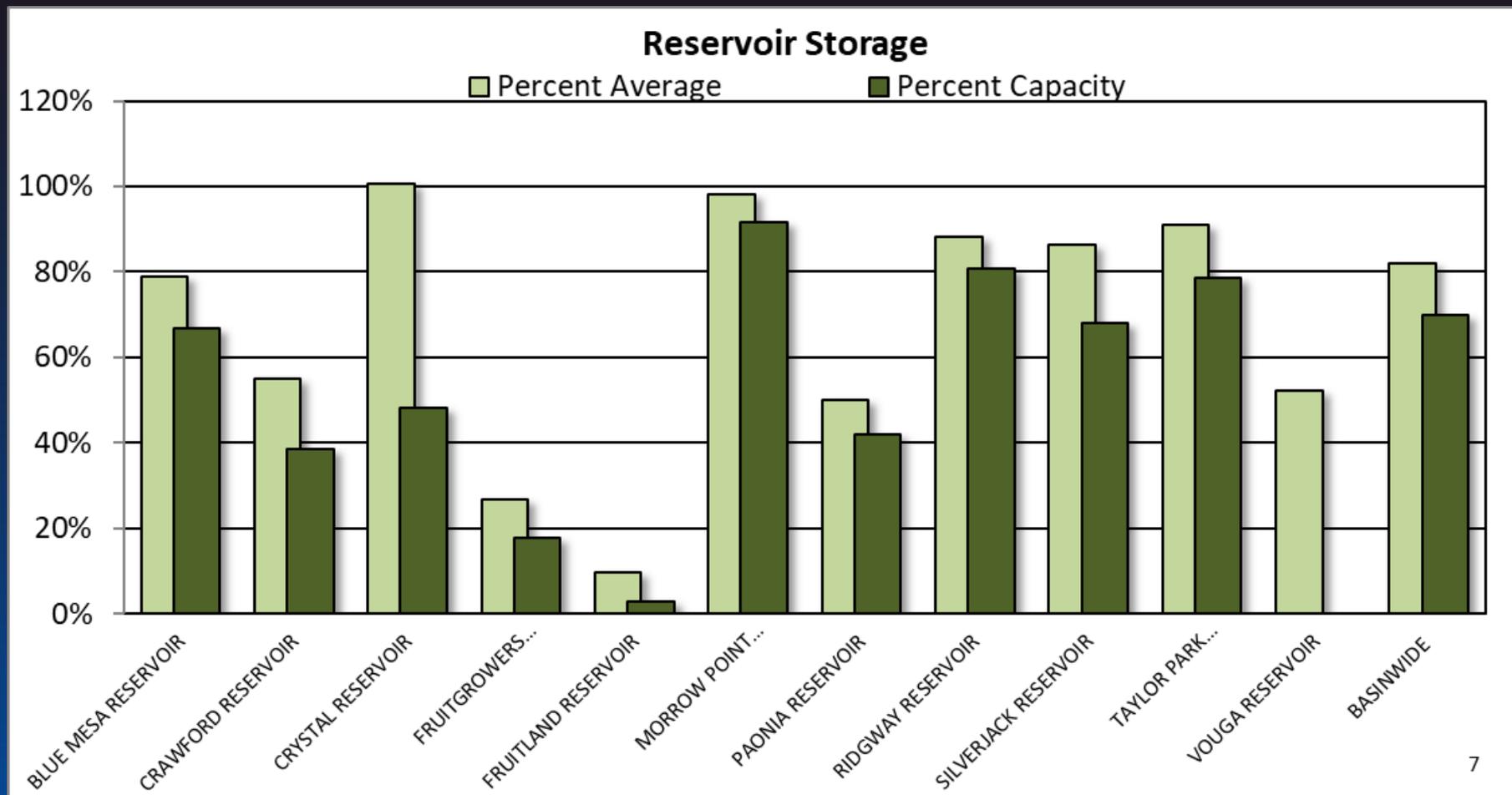
## Gunnison River Basin Month to Date Precipitation Summary Current as of Aug 24, 2020



## Gunnison River Basin High/Low Year-to-Date Precipitation Summary

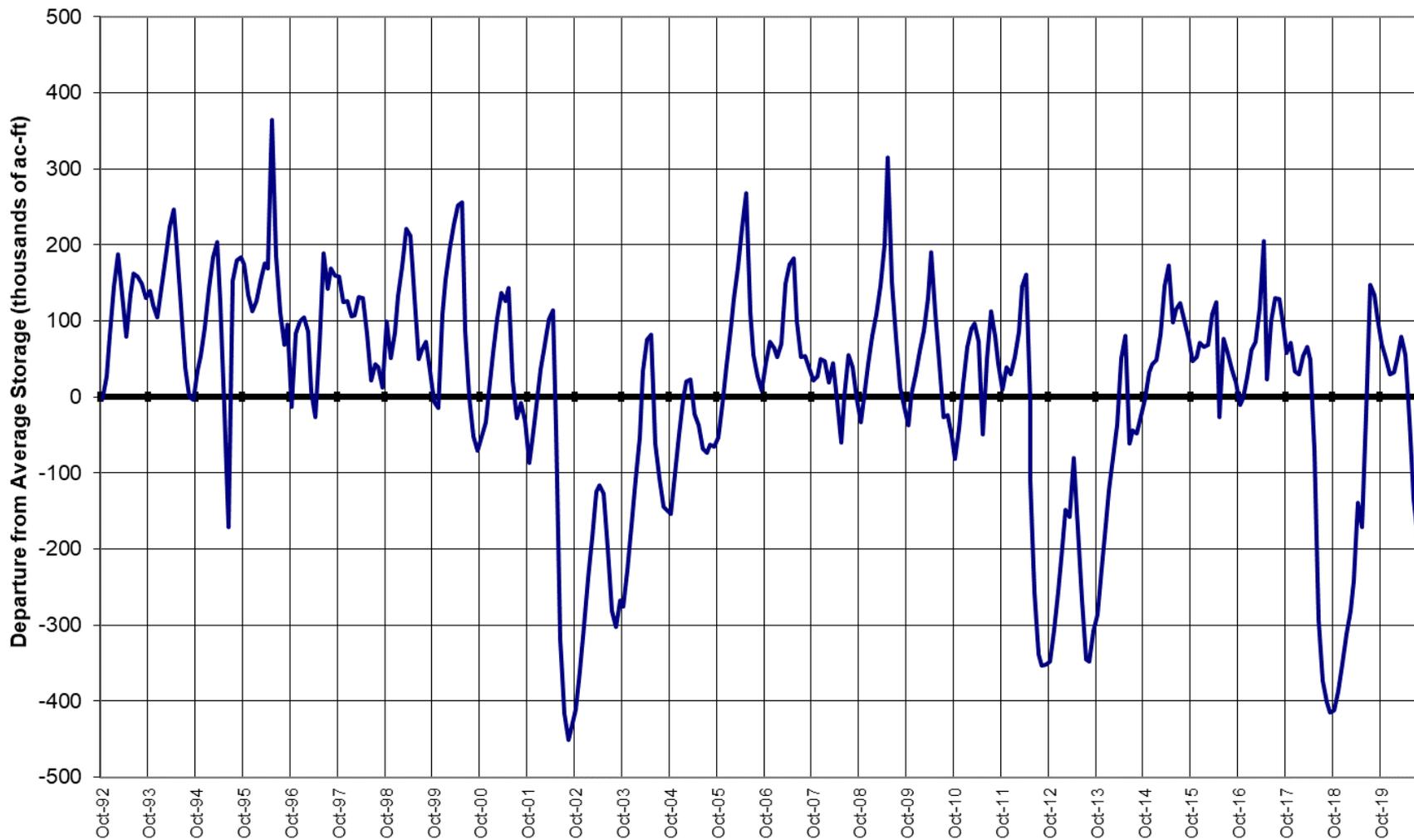
*Based on Provisional SNOTEL data as of Aug 24, 2020*







## GUNNISON RIVER BASIN Reservoir Storage Departure from Average



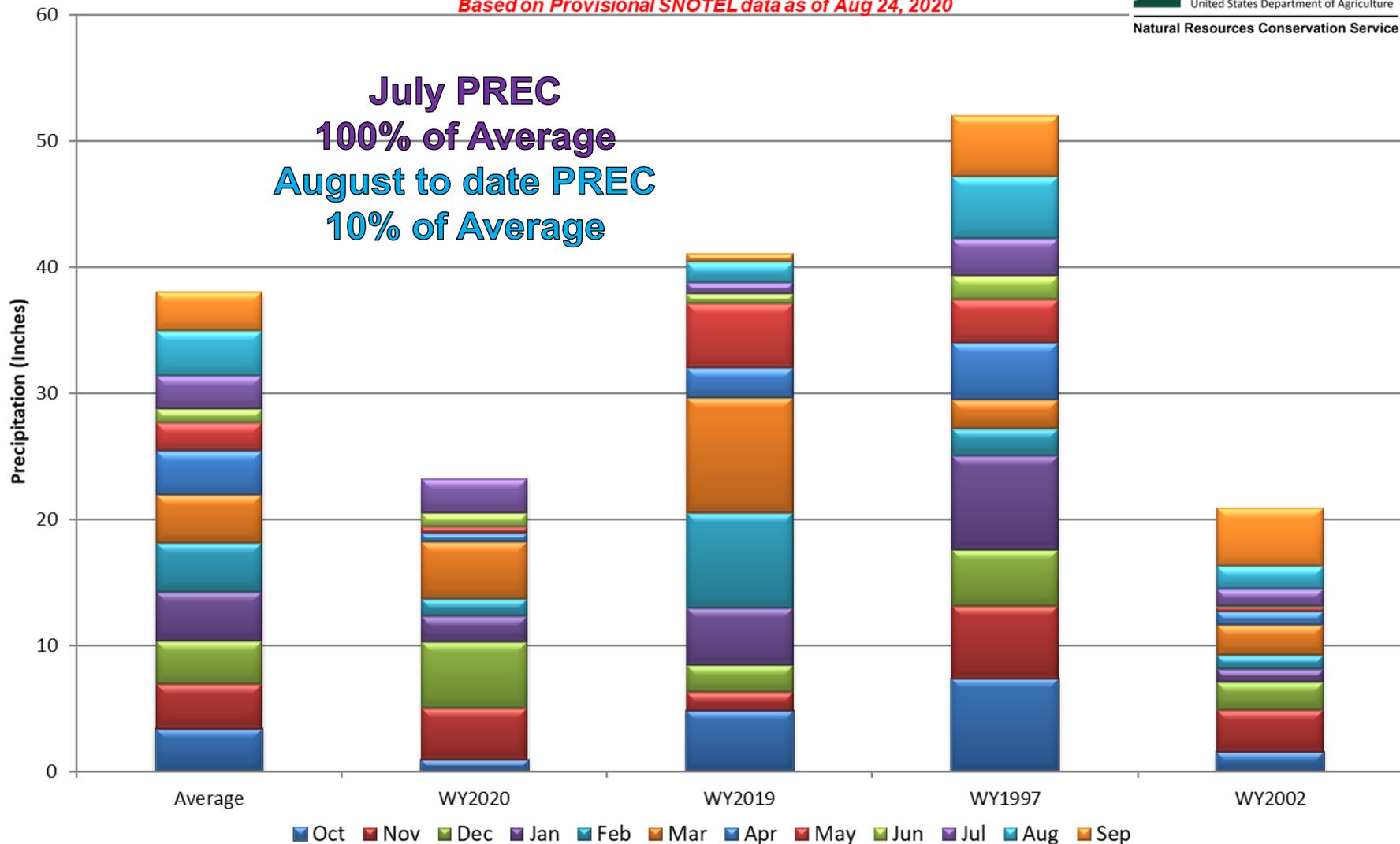


## San Miguel, Dolores, Animas and San Juan River Basins High/Low Monthly Precipitation Summary

*Based on Provisional SNOTEL data as of Aug 24, 2020*

USDA  
United States Department of Agriculture  
Natural Resources Conservation Service

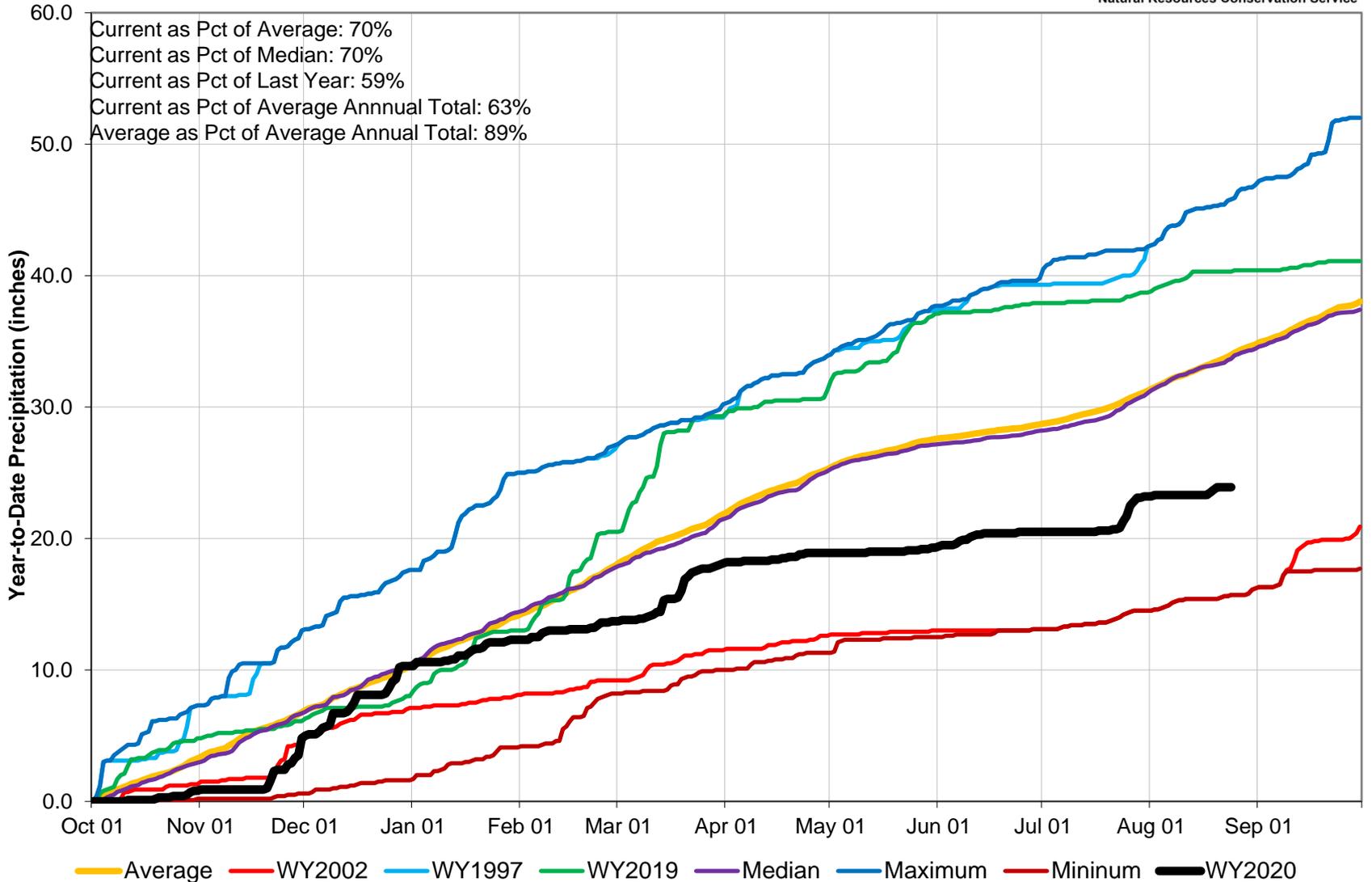
**July PREC**  
**100% of Average**  
**August to date PREC**  
**10% of Average**





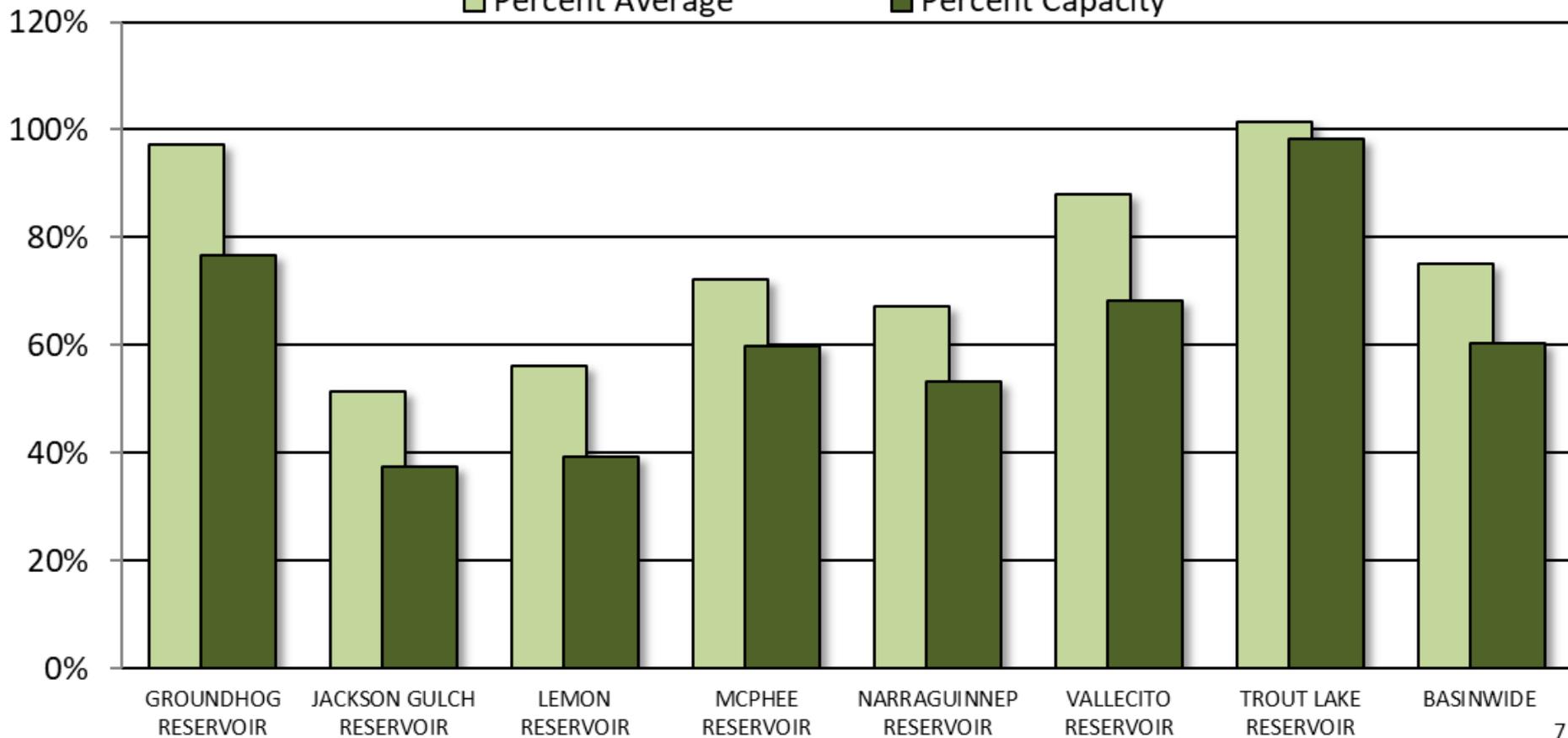
## San Miguel, Dolores, Animas and San Juan River Basins High/Low Year-to-Date Precipitation Summary

*Based on Provisional SNOTEL data as of Aug 24, 2020*



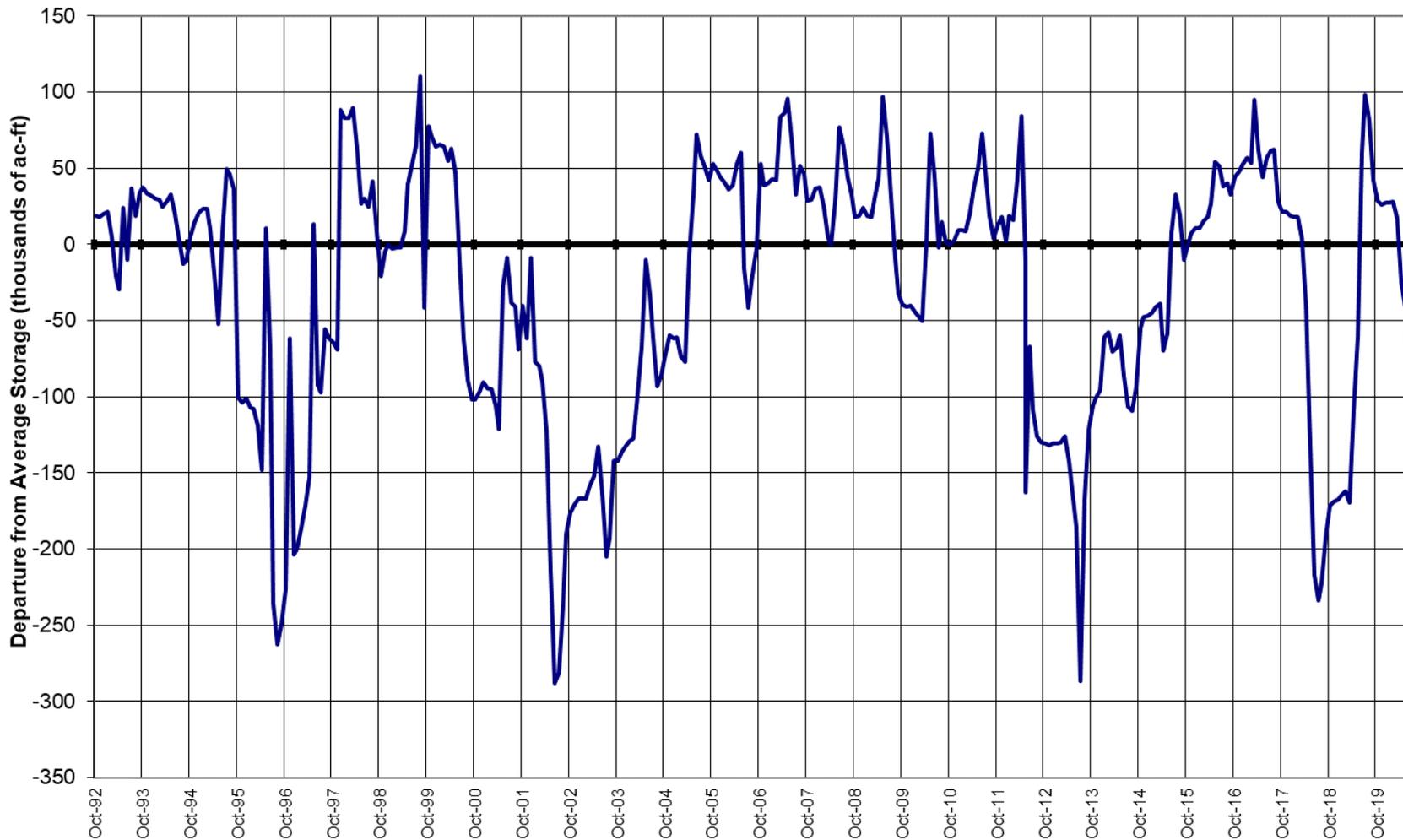
## Reservoir Storage

■ Percent Average      ■ Percent Capacity





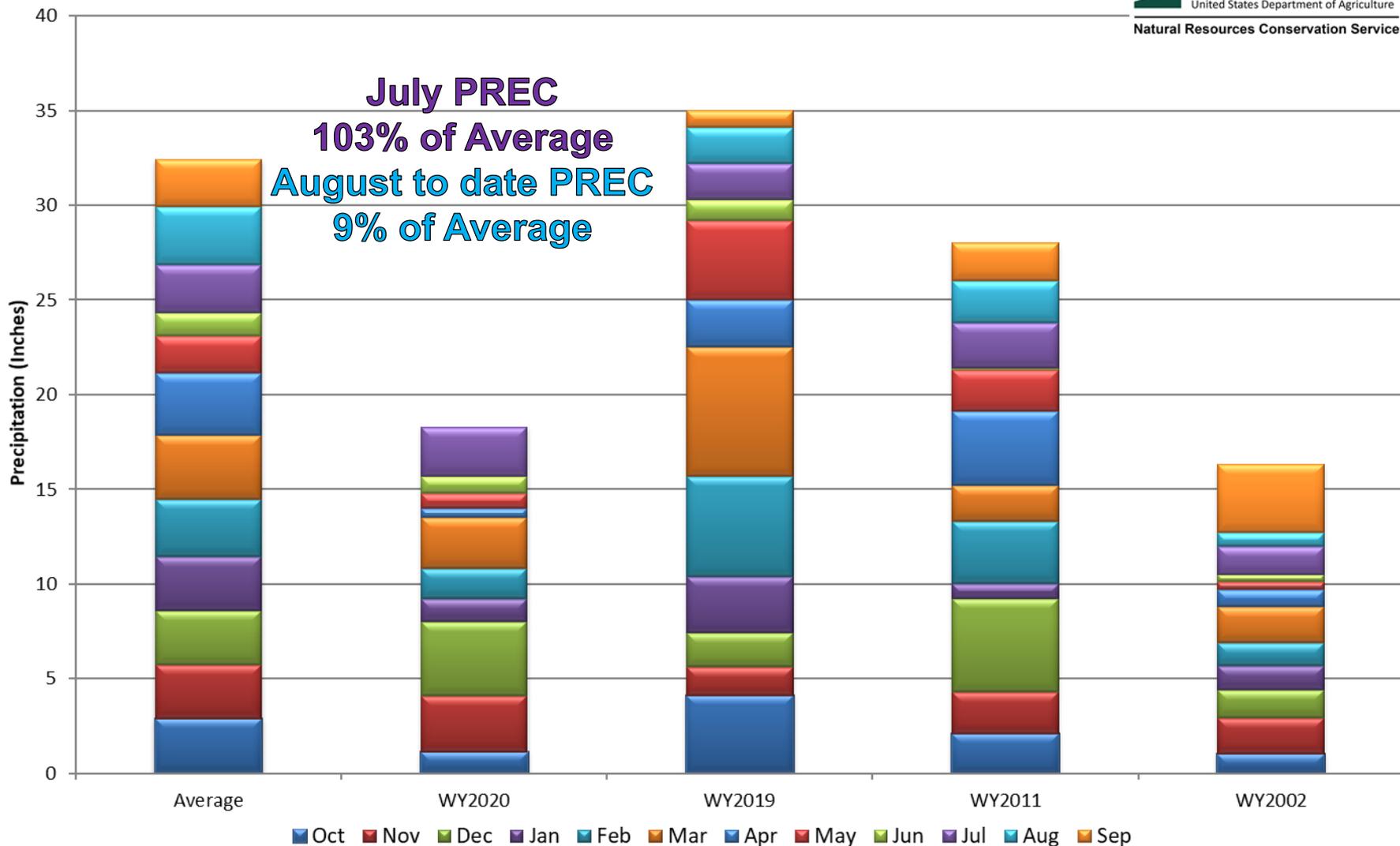
## SAN MIGUEL, DOLORES, ANIMAS AND SAN JUAN RIVER BASINS Reservoir Storage Departure from Average





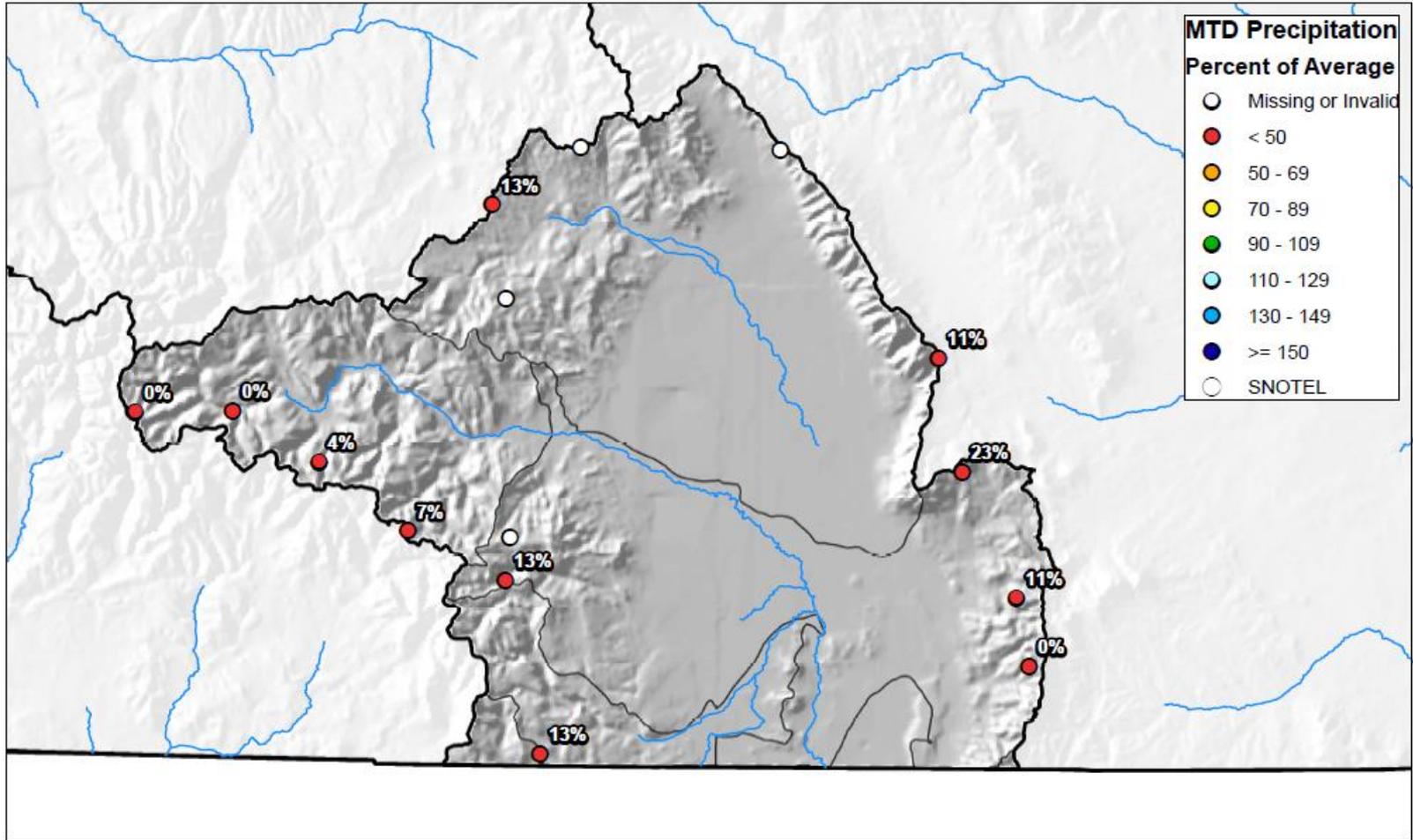
## Upper Rio Grande River Basin High/Low Monthly Precipitation Summary

*Based on Provisional SNOTEL data as of Aug 24, 2020*



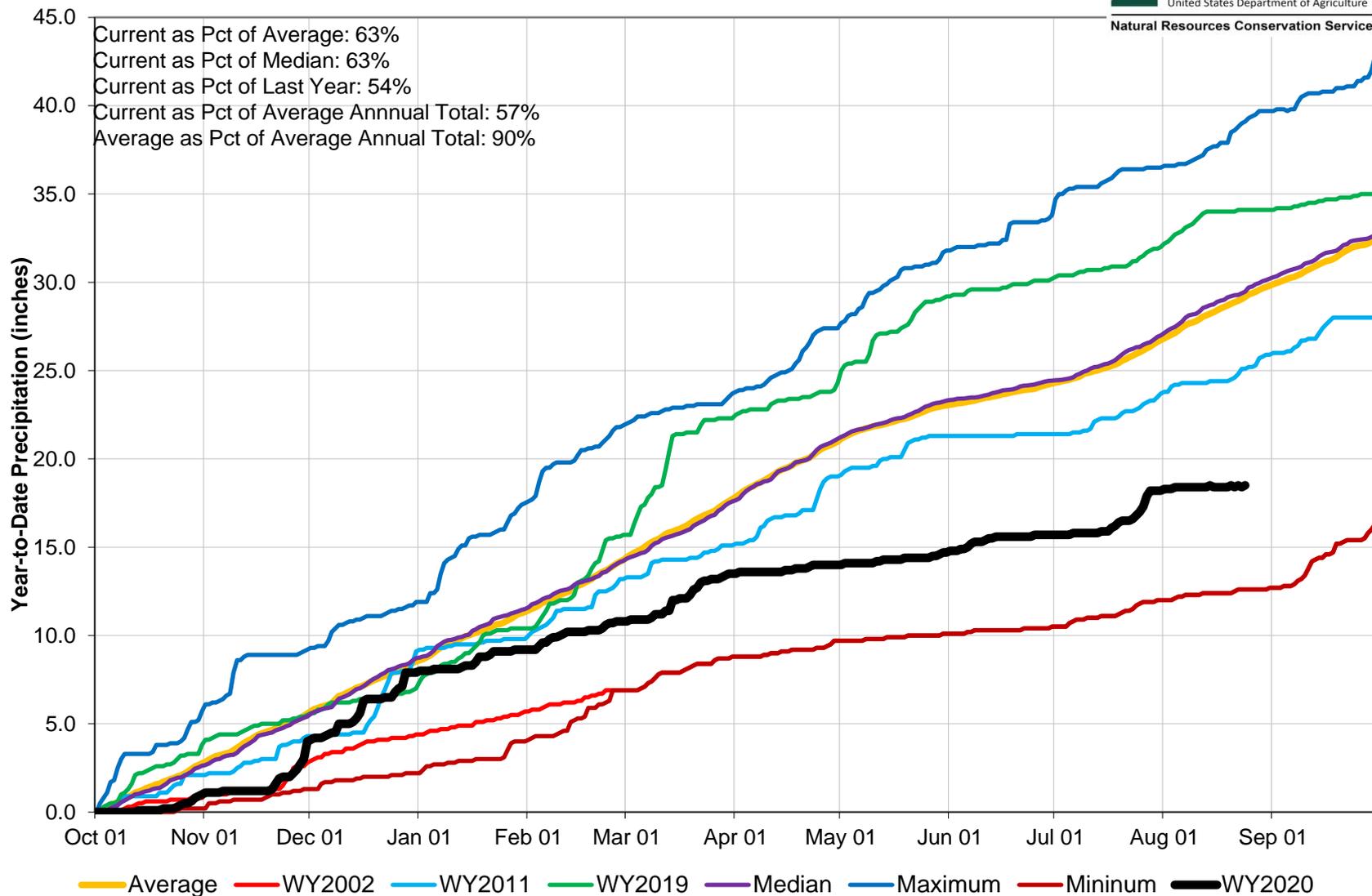
## Upper Rio Grande River Basin Month to Date Precipitation Summary

Current as of Aug 24, 2020



## Upper Rio Grande River Basin High/Low Year-to-Date Precipitation Summary

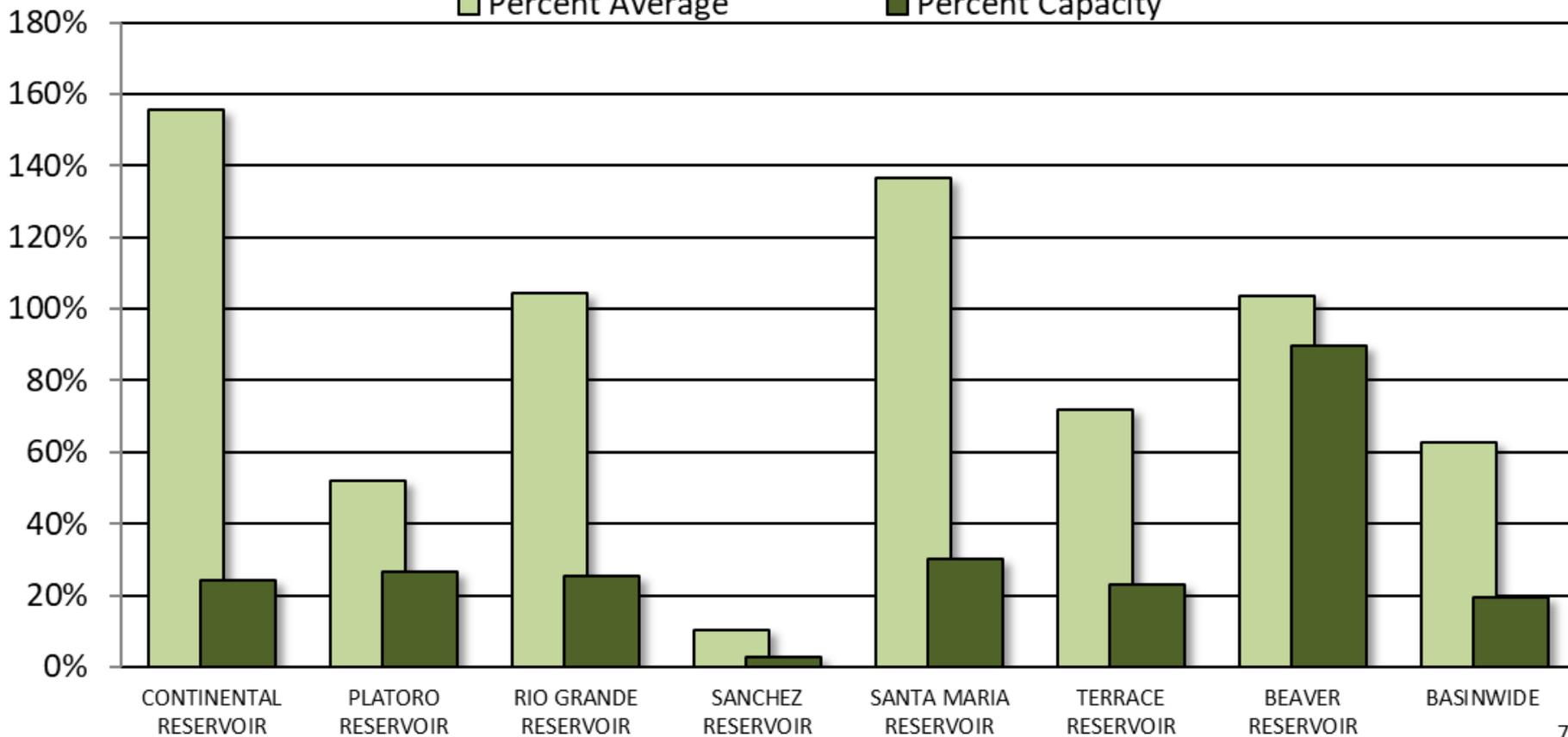
*Based on Provisional SNOTEL data as of Aug 24, 2020*



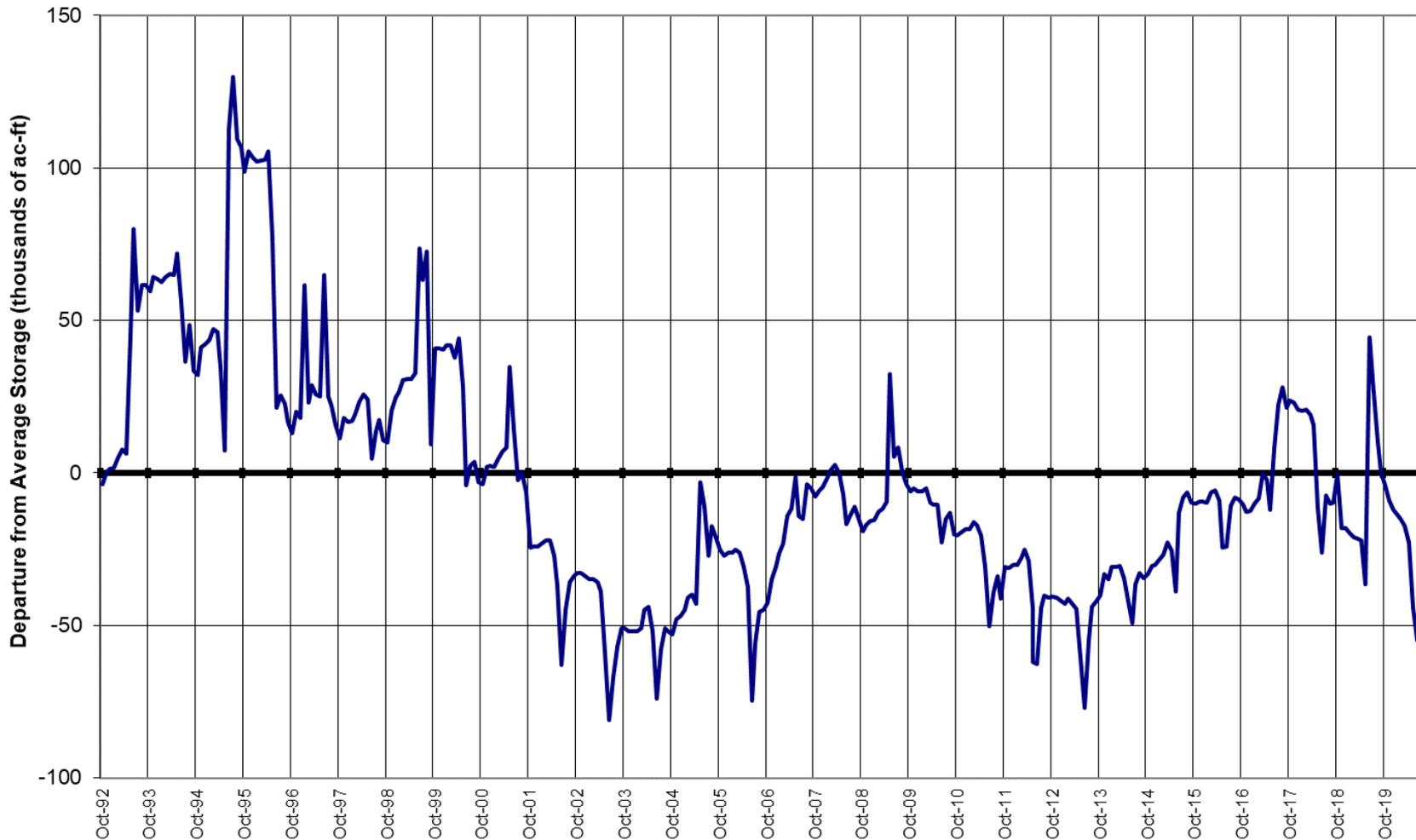
## Reservoir Storage

■ Percent Average

■ Percent Capacity

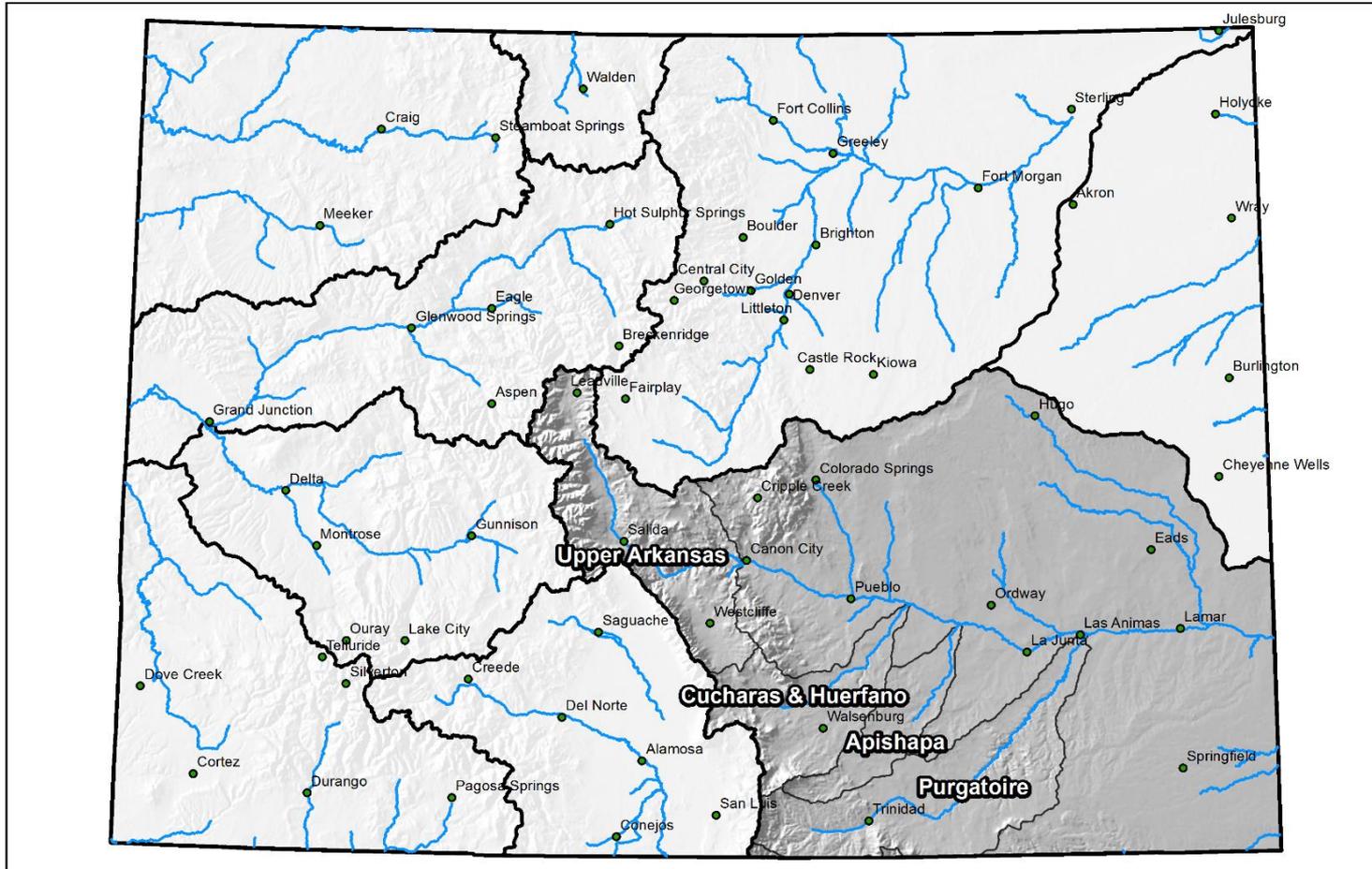


## UPPER RIO GRANDE BASIN Reservoir Storage Departure from Average



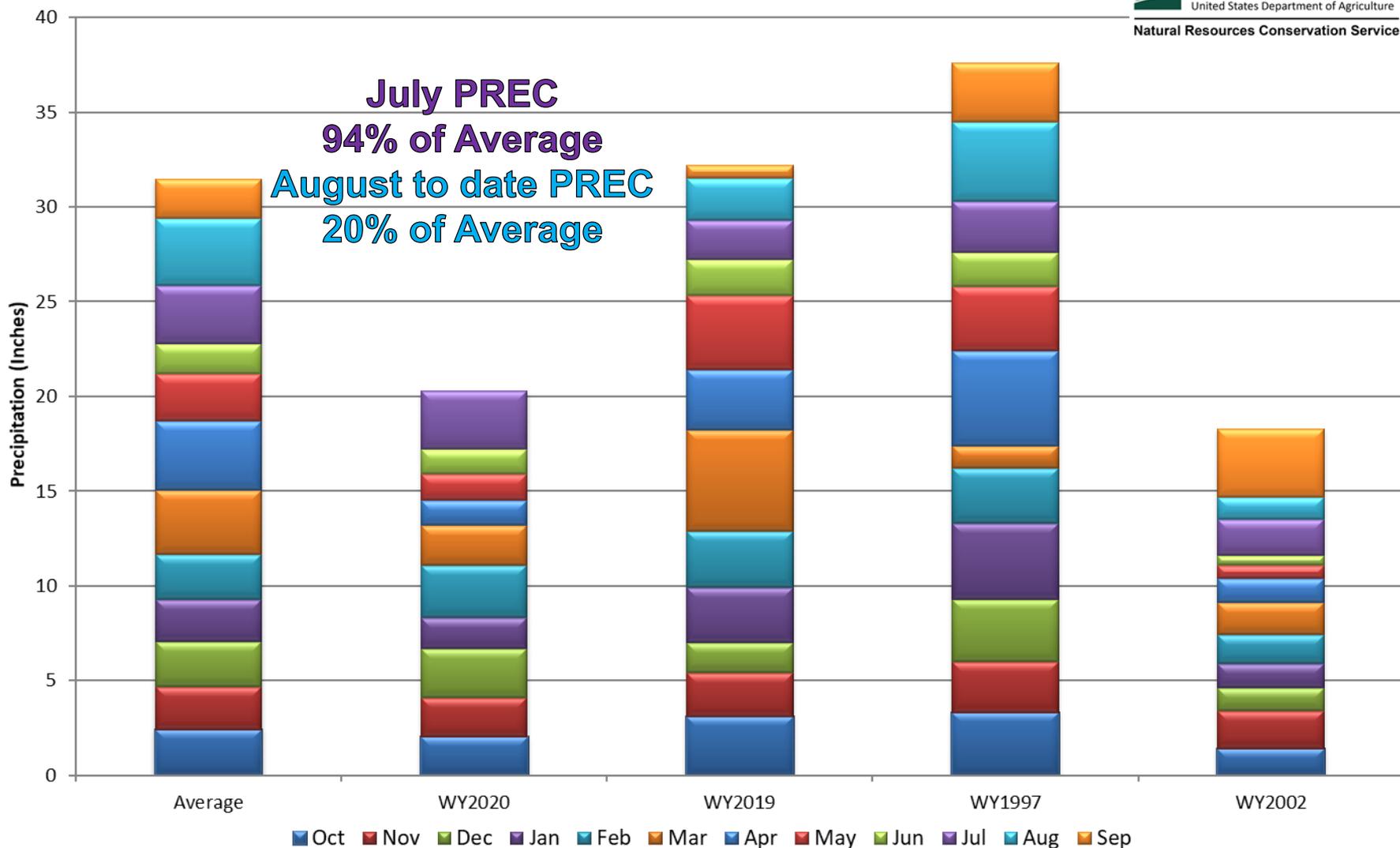
## Major Basin Summary

### Arkansas River Basin



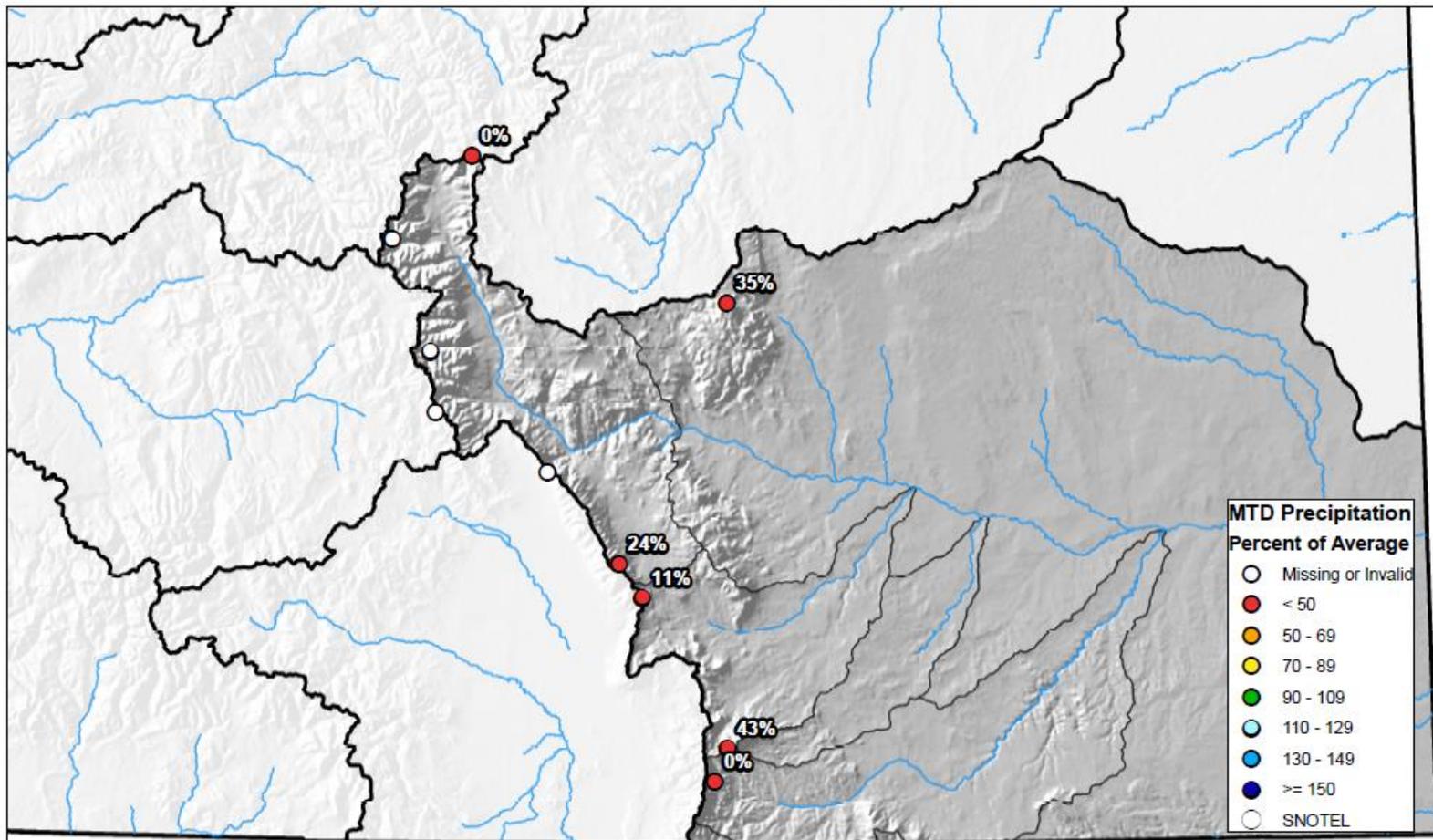
## Arkansas River Basin High/Low Monthly Precipitation Summary

*Based on Provisional SNOTEL data as of Aug 24, 2020*



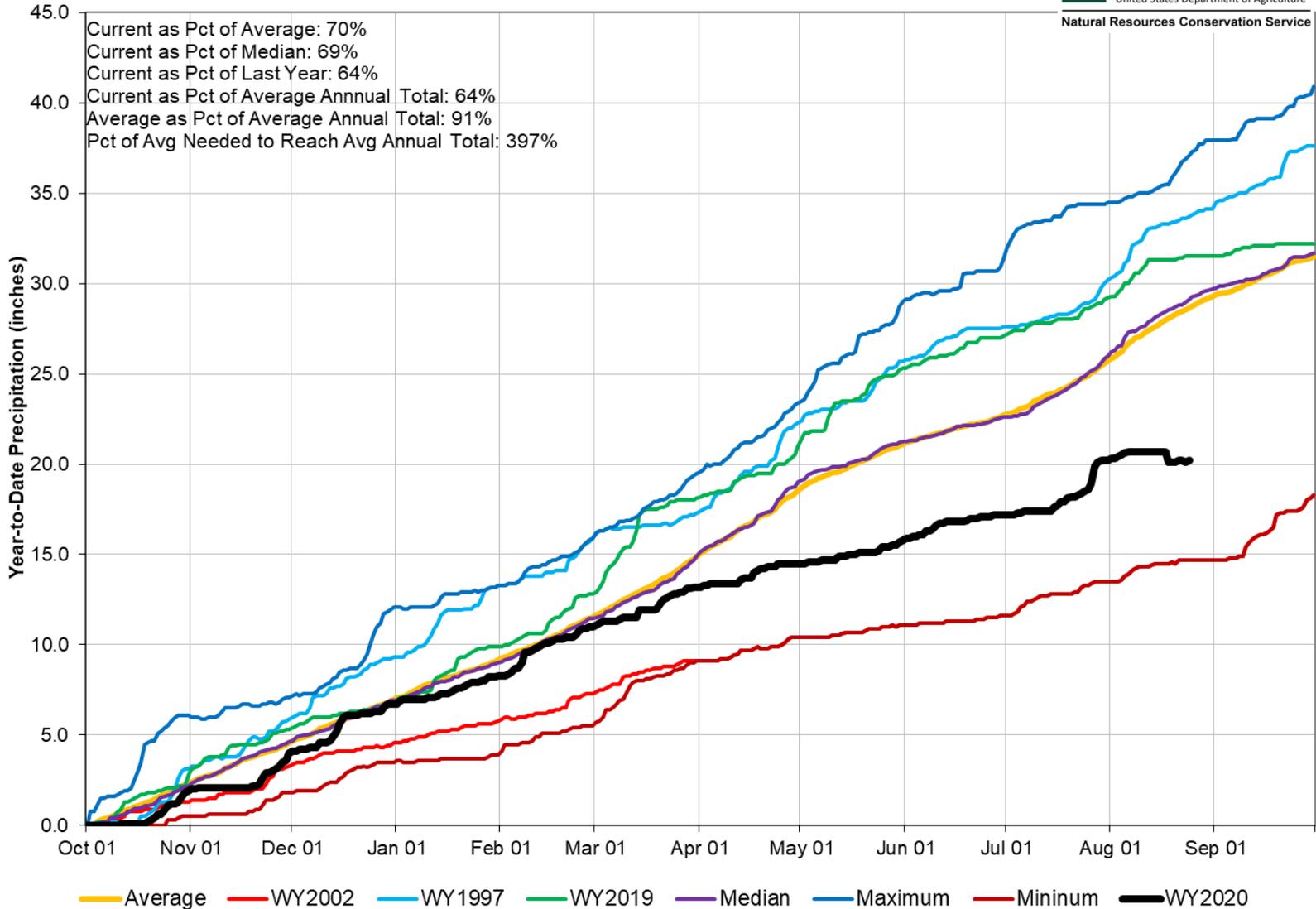
## Arkansas River Basin Month to Date Precipitation Summary

Current as of Aug 24, 2020



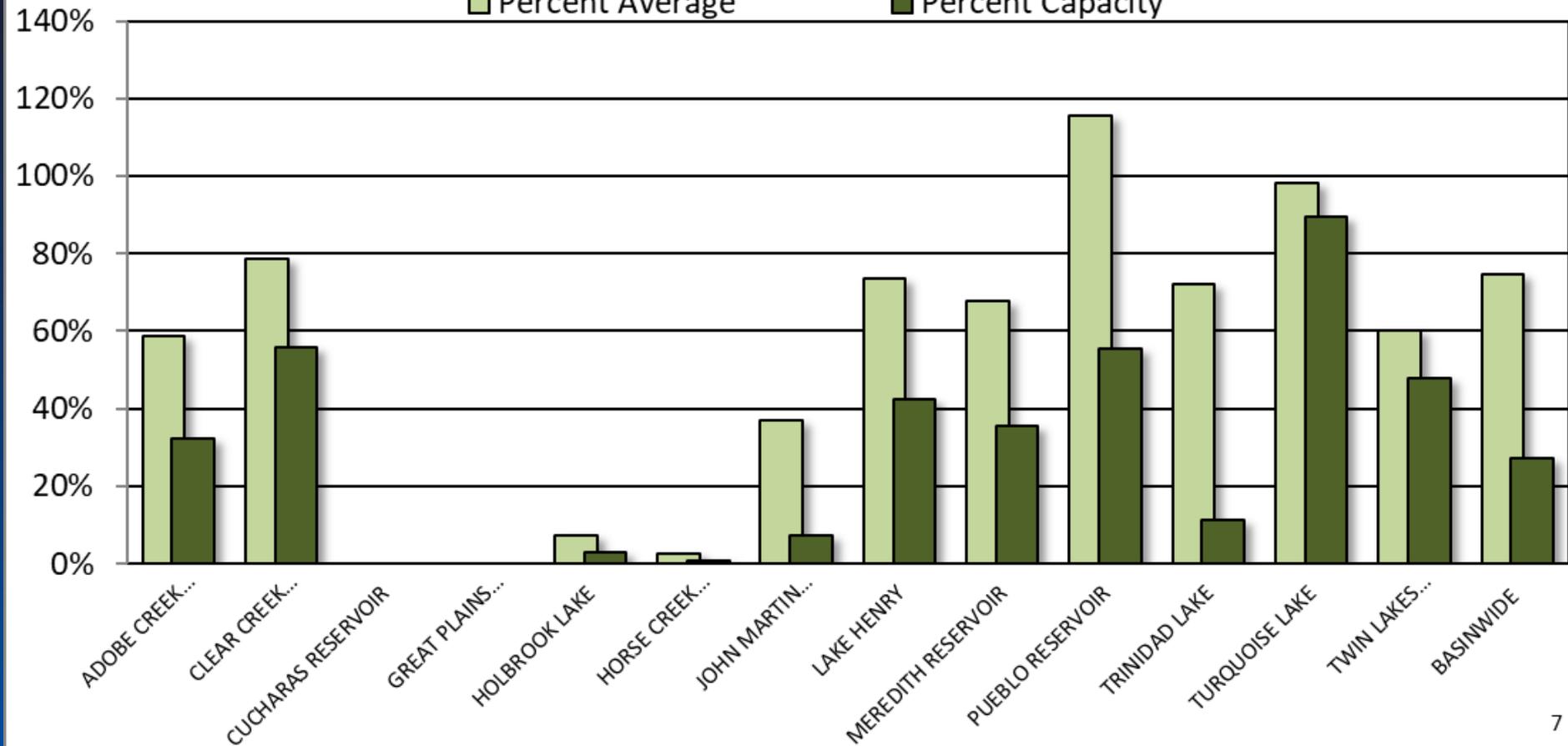
## Arkansas River Basin High/Low Year-to-Date Precipitation Summary

*Based on Provisional SNOTEL data as of Aug 24, 2020*

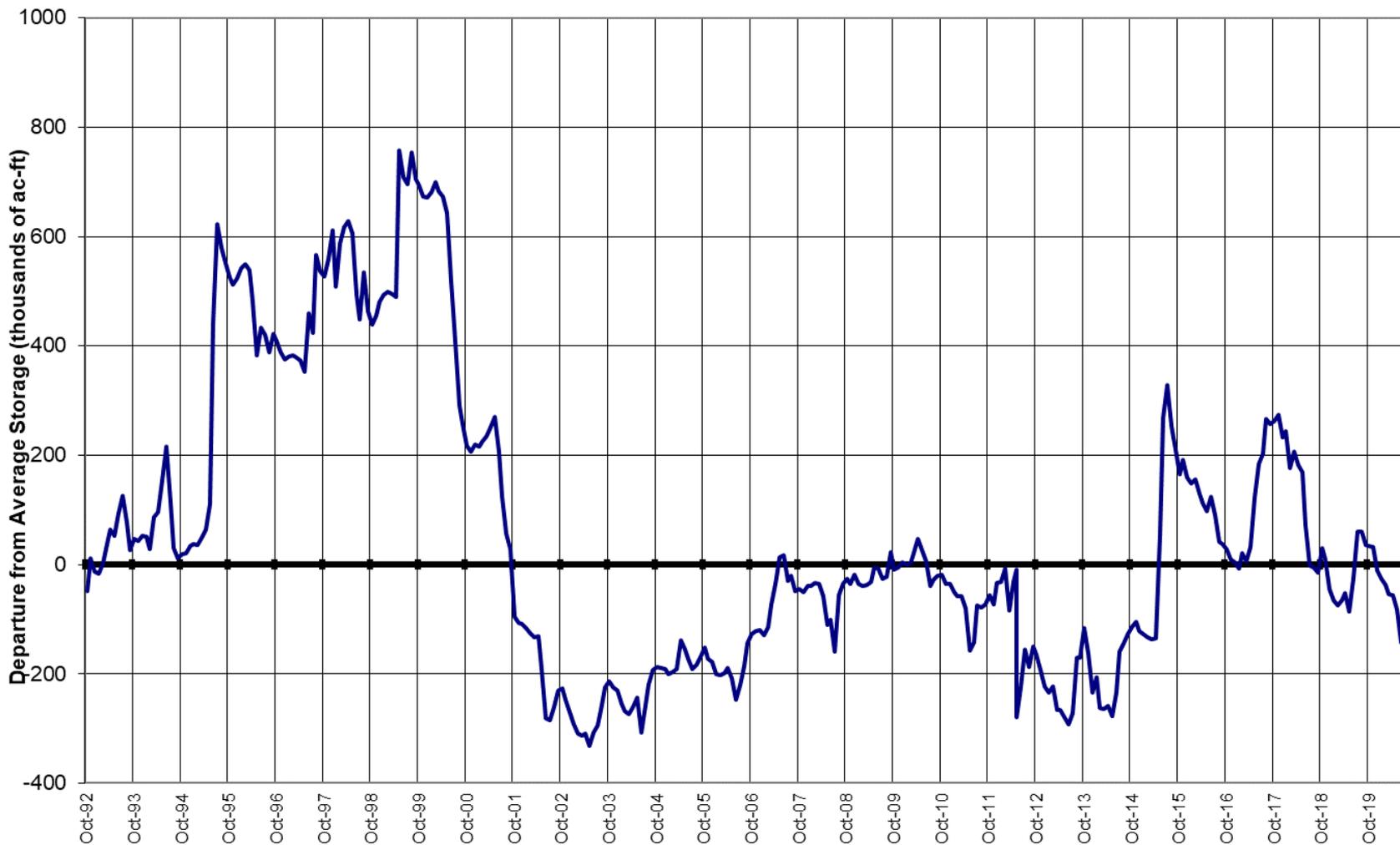


## Reservoir Storage

■ Percent Average      ■ Percent Capacity

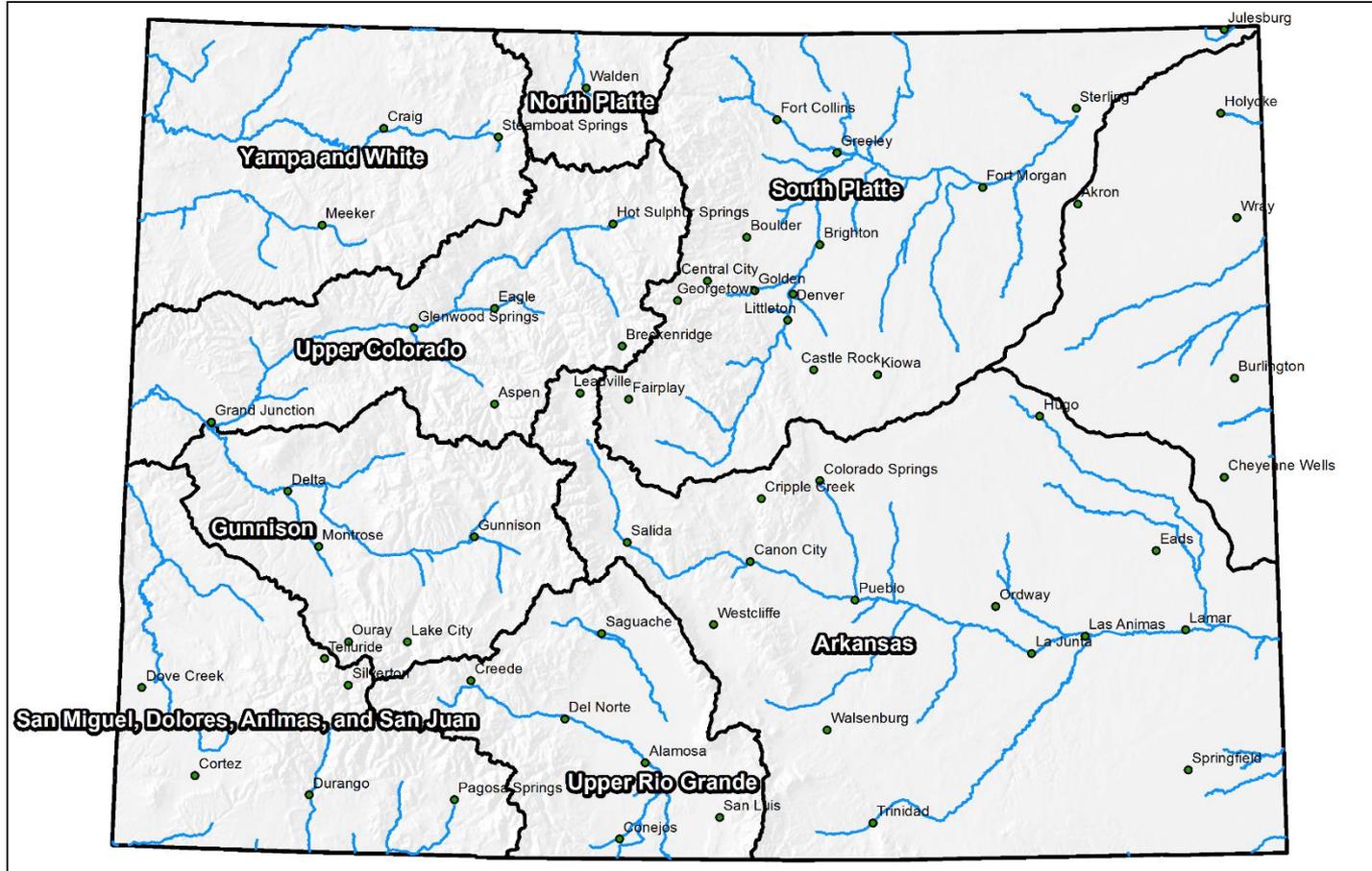


## ARKANSAS RIVER BASIN Reservoir Storage Departure from Average



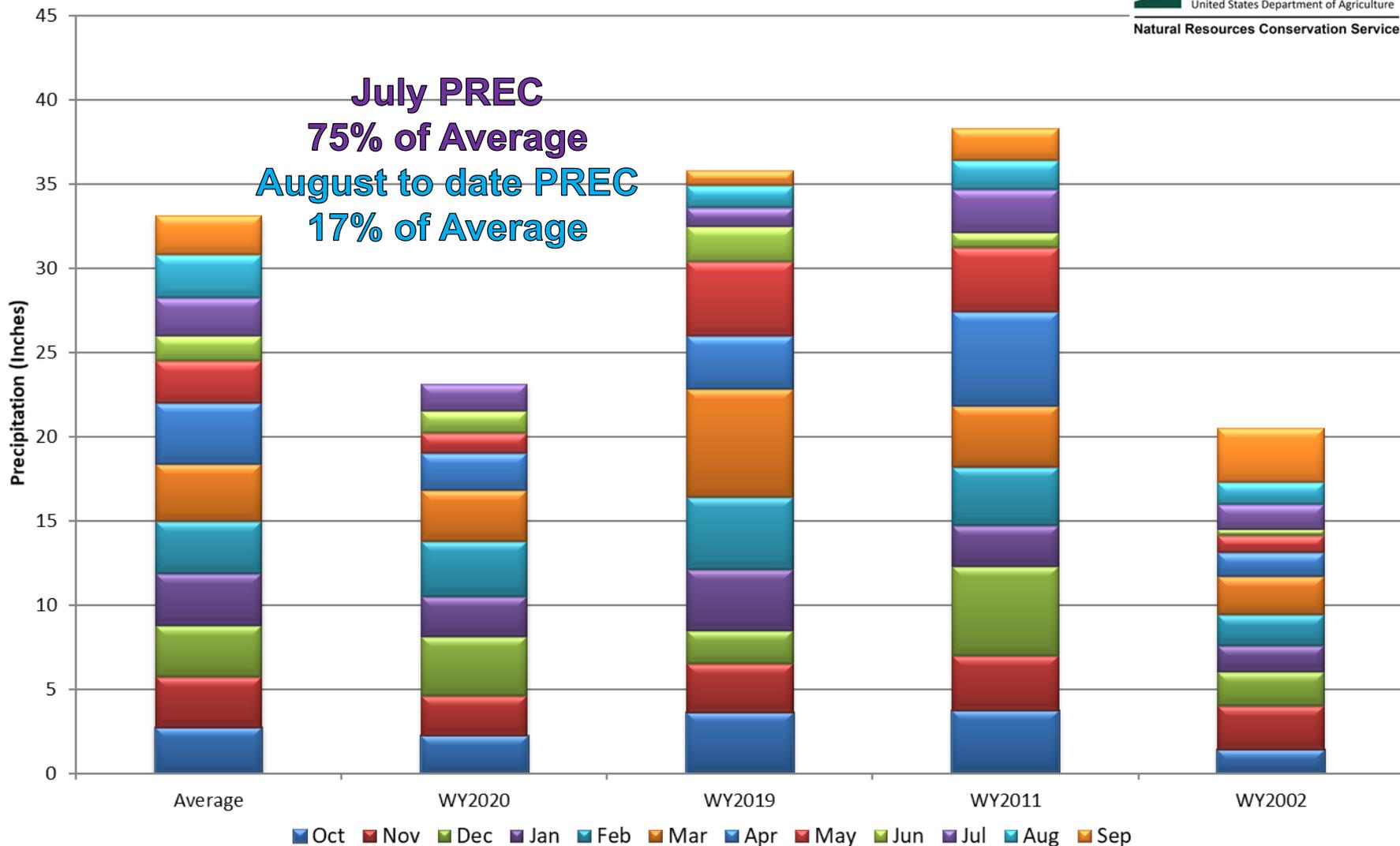
## Colorado Statewide Summary

Colorado Major Basins



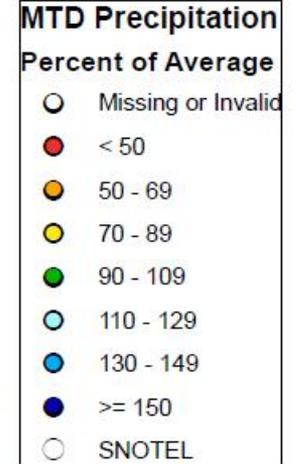
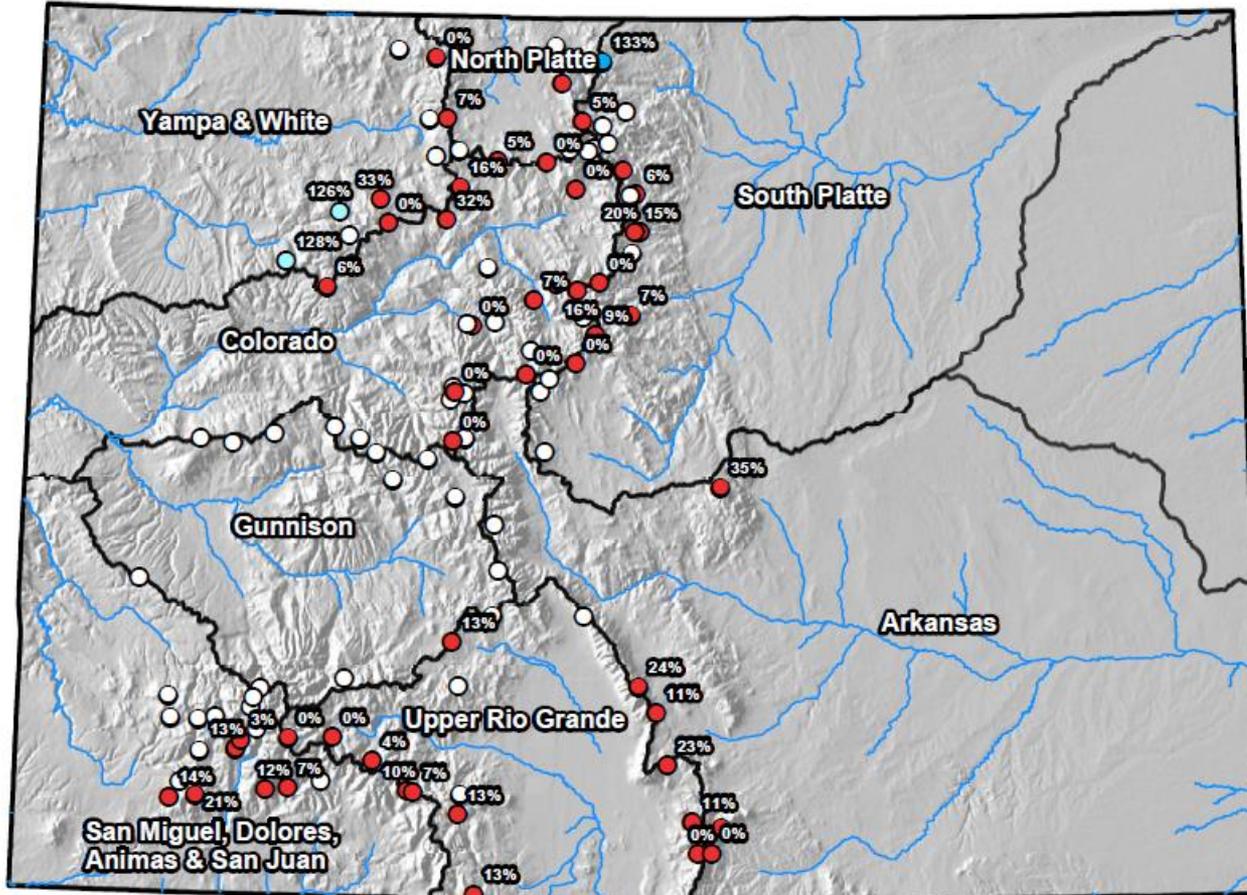
## Colorado Statewide High/Low Monthly Precipitation Summary

*Based on Provisional SNOTEL data as of Aug 24, 2020*



## Colorado SNOTEL Month-to-Date Precipitation

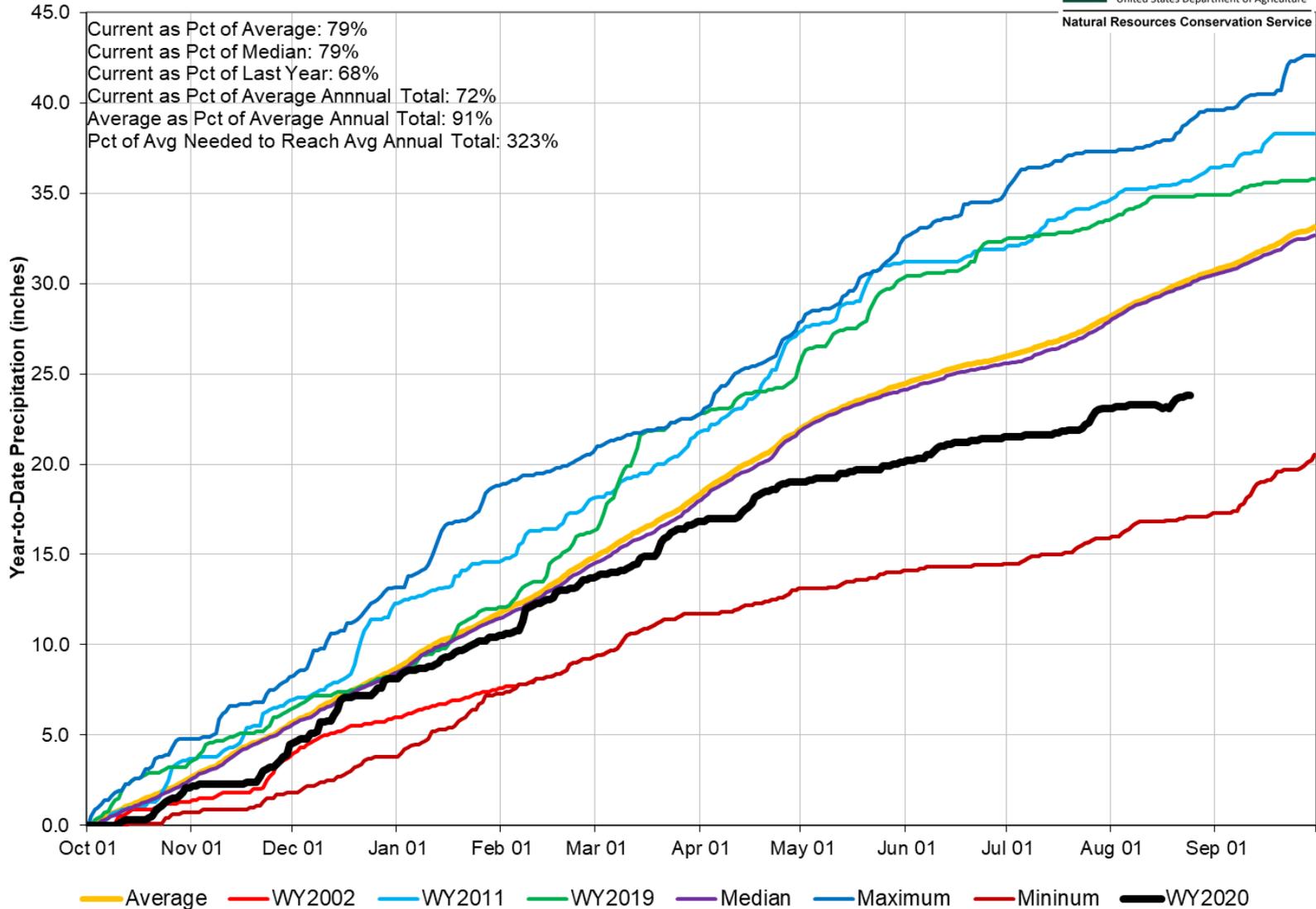
Current as of Aug 24, 2020



## Colorado Statewide High/Low Year-to-Date Precipitation Summary

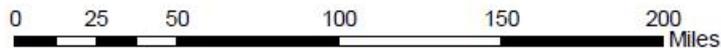
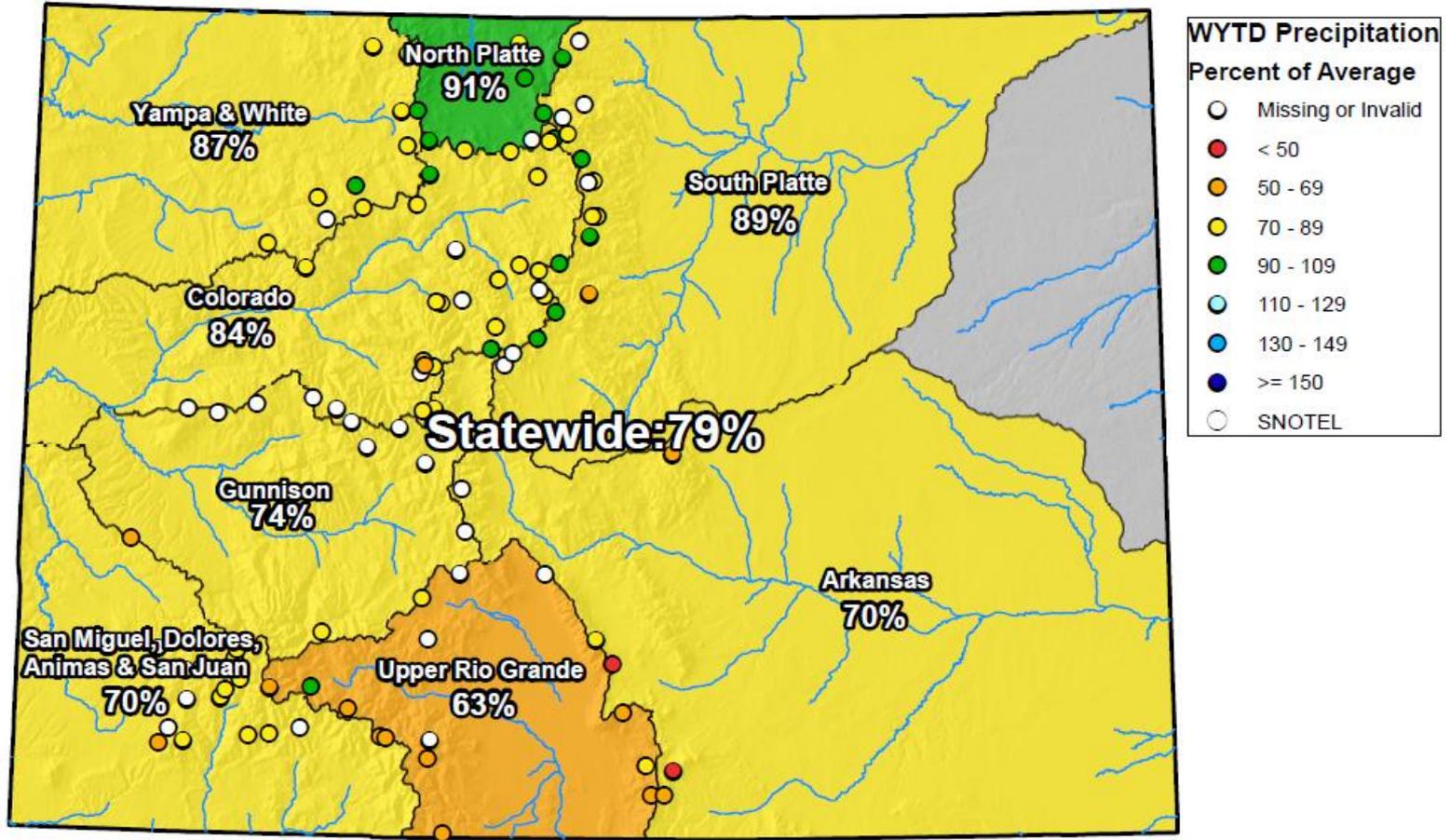
*Based on Provisional SNOTEL data as of Aug 24, 2020*

USDA  
United States Department of Agriculture  
Natural Resources Conservation Service



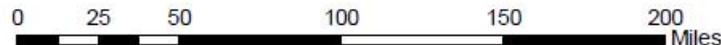
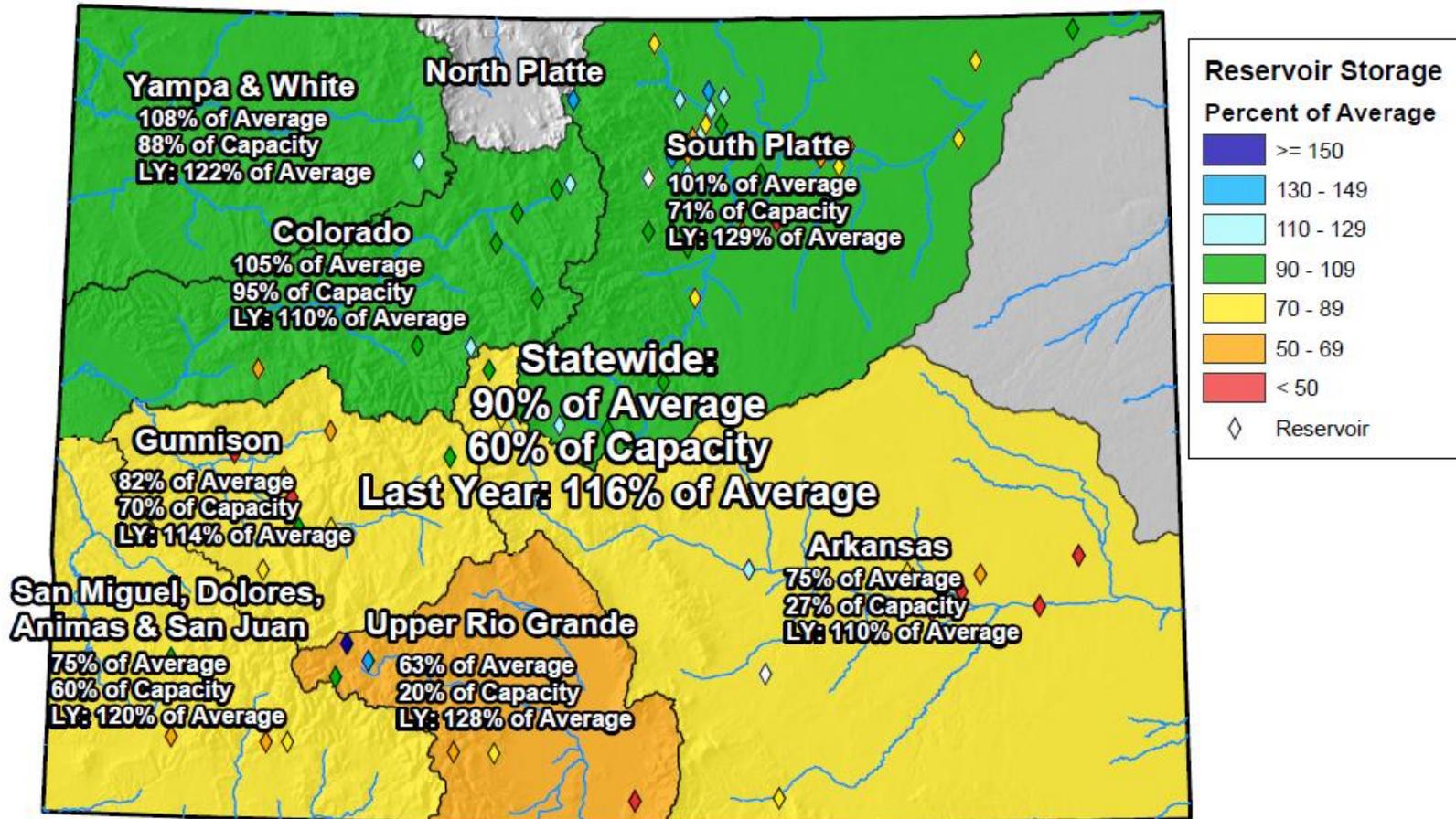
## Colorado SNOTEL Water Year to Date Precipitation

Current as of Aug 24, 2020



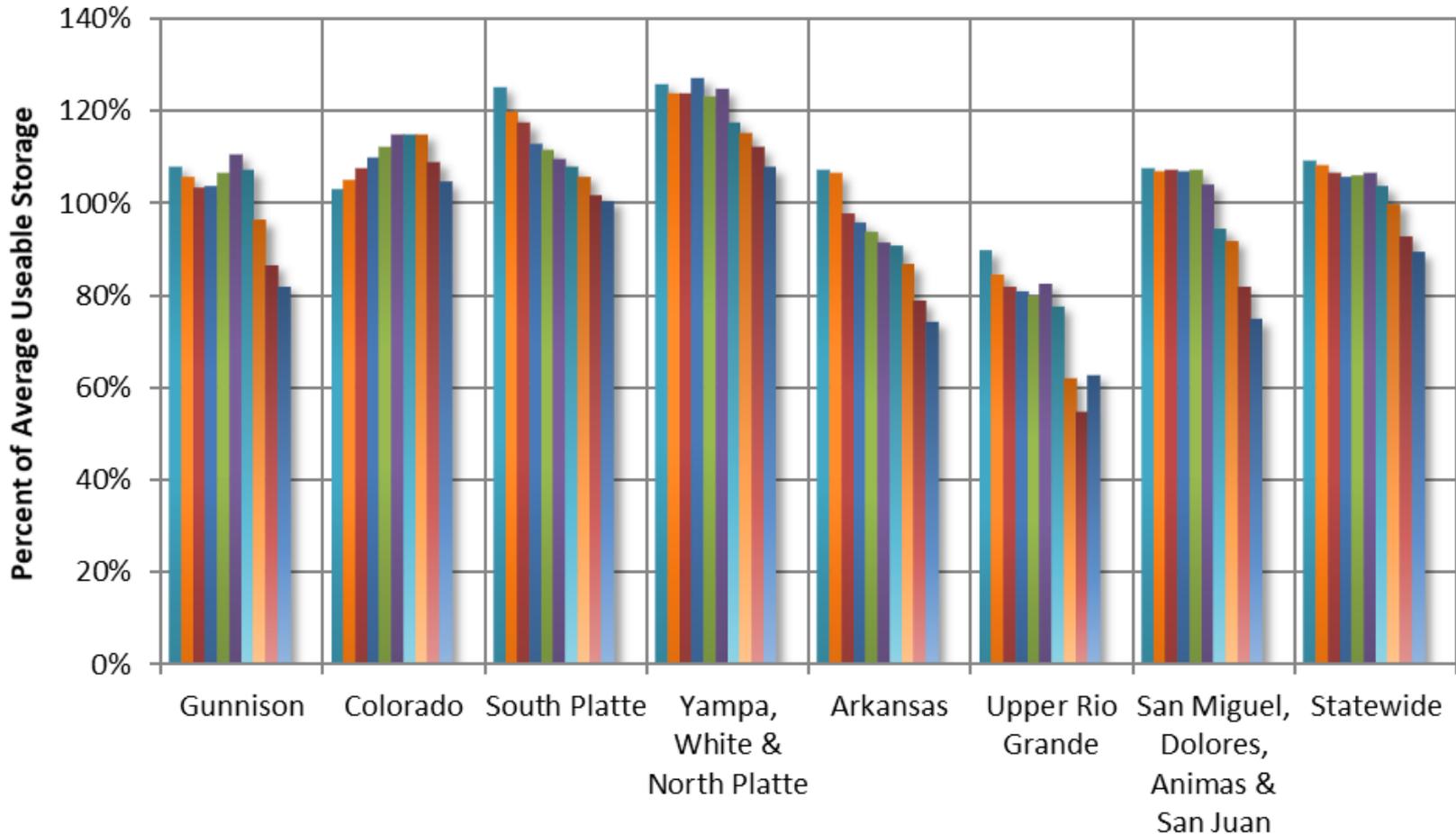
## Colorado Monthly Reservoir Storage Summary

End of July 2020

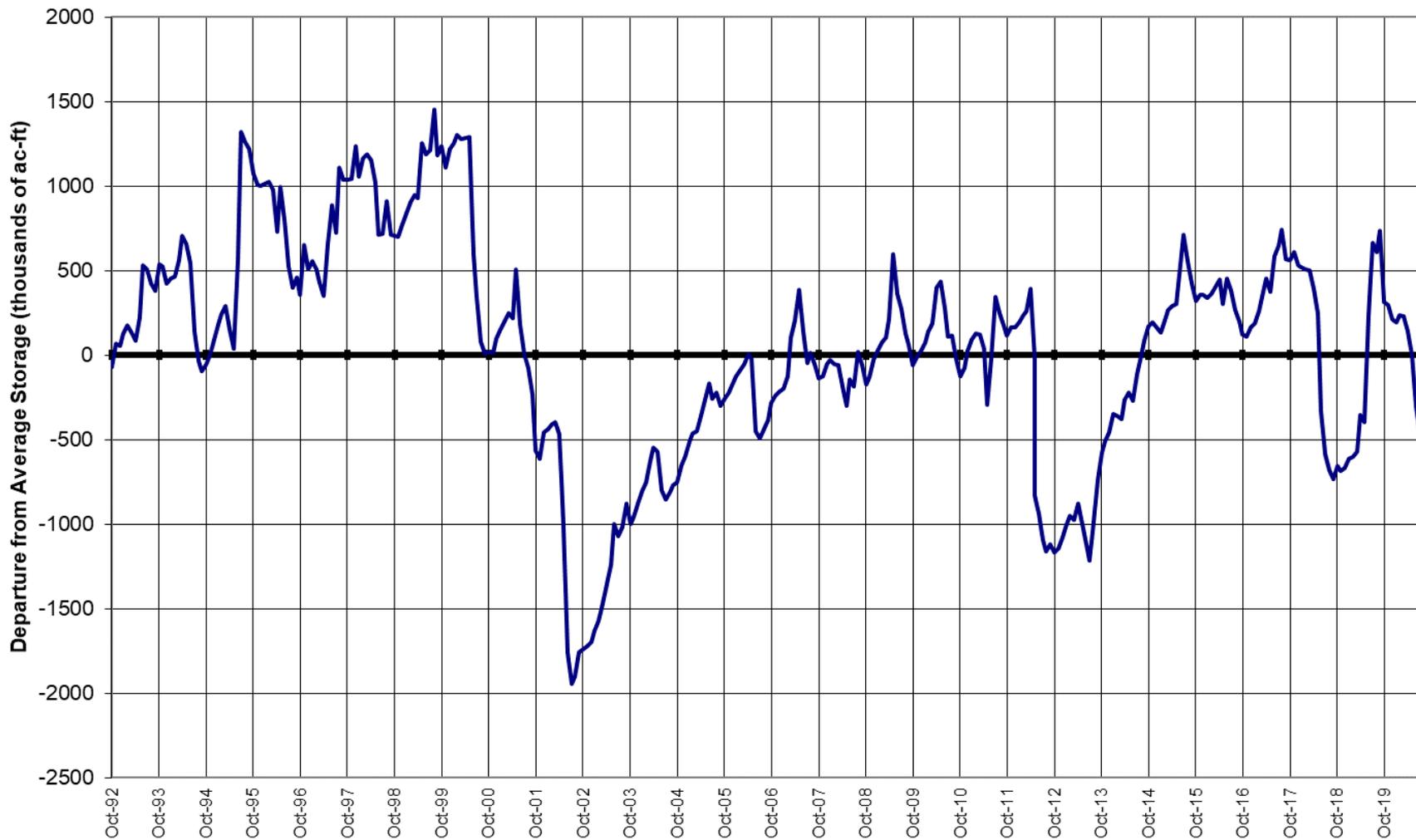


## Colorado Reservoir Storage

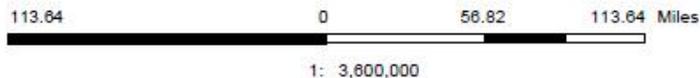
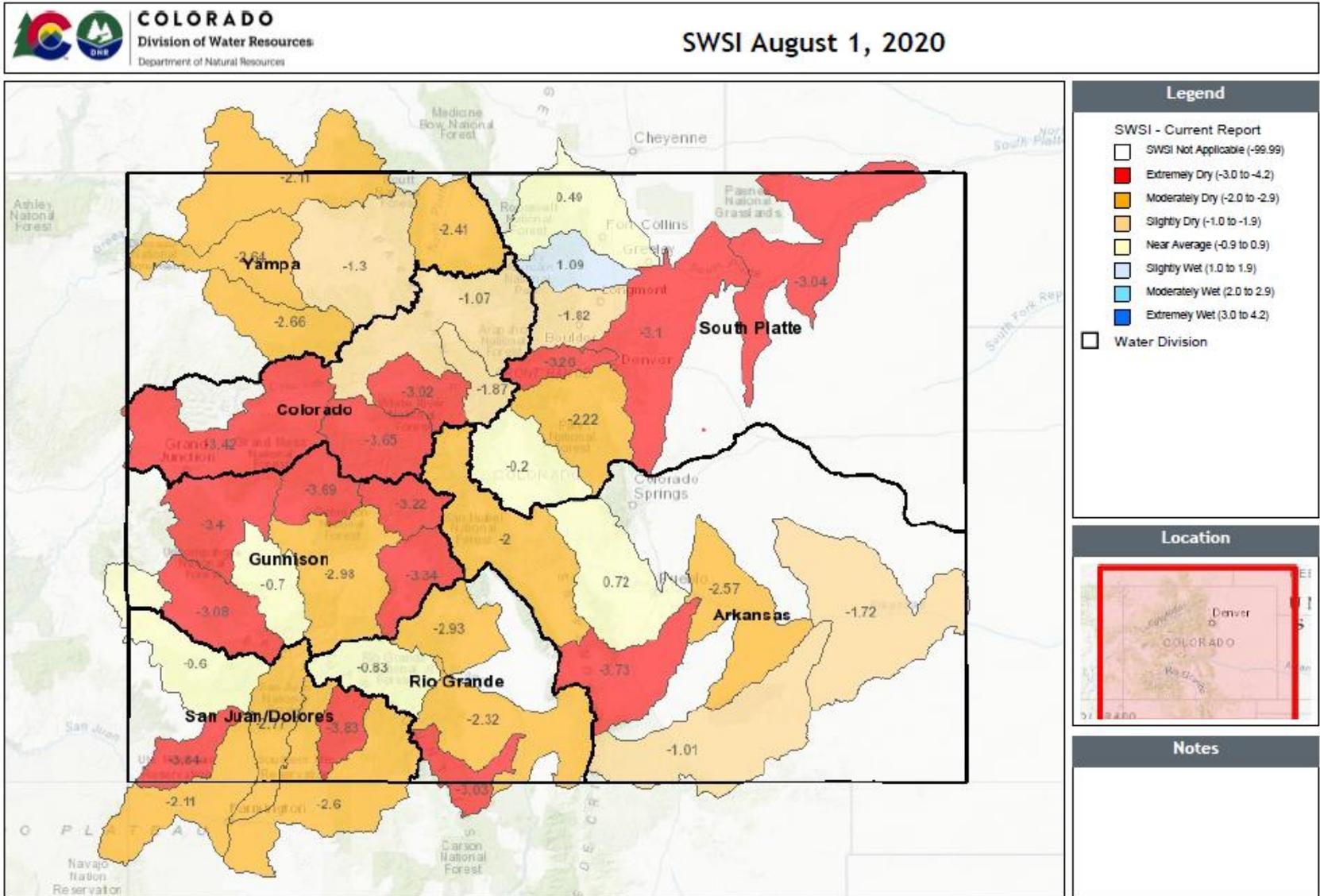
■ Oct-19    ■ Nov-19    ■ Dec-19    ■ Jan-20    ■ Feb-20    ■ Mar-20  
■ Apr-20    ■ May-20    ■ Jun-20    ■ Jul-20    ■ Aug-20    ■ Sep-20



## COLORADO STATEWIDE Reservoir Storage Departure from Average



August 1, 2020 SWSI



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Date Prepared: 8/24/2020 10:42:18 AM

# Summary

- August to date has been extremely dry across the state at just 17 percent of average precipitation
- Statewide reservoir storage has generally continued to drop as it has throughout the water year
  - 90 percent of average statewide
  - Near to above average storage in Northern Colorado and notably below average across southern Colorado
- If the current dry conditions persist until the start of winter dry soil conditions could impact streamflows next year



# Water Availability Task Force Meeting

## August 25<sup>th</sup>, 2020

### NRCS Snow Survey and Water Supply Forecasting Program

Karl Wetlaufer

Hydrologist

Colorado Assistant Snow Survey Supervisor

720-544-2852

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



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