



# Water Availability Task Force Meeting

## July 23<sup>rd</sup>, 2020

### NRCS Snow Survey and Water Supply Forecasting Program

Brian Domonkos

Hydrologist

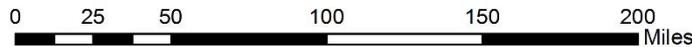
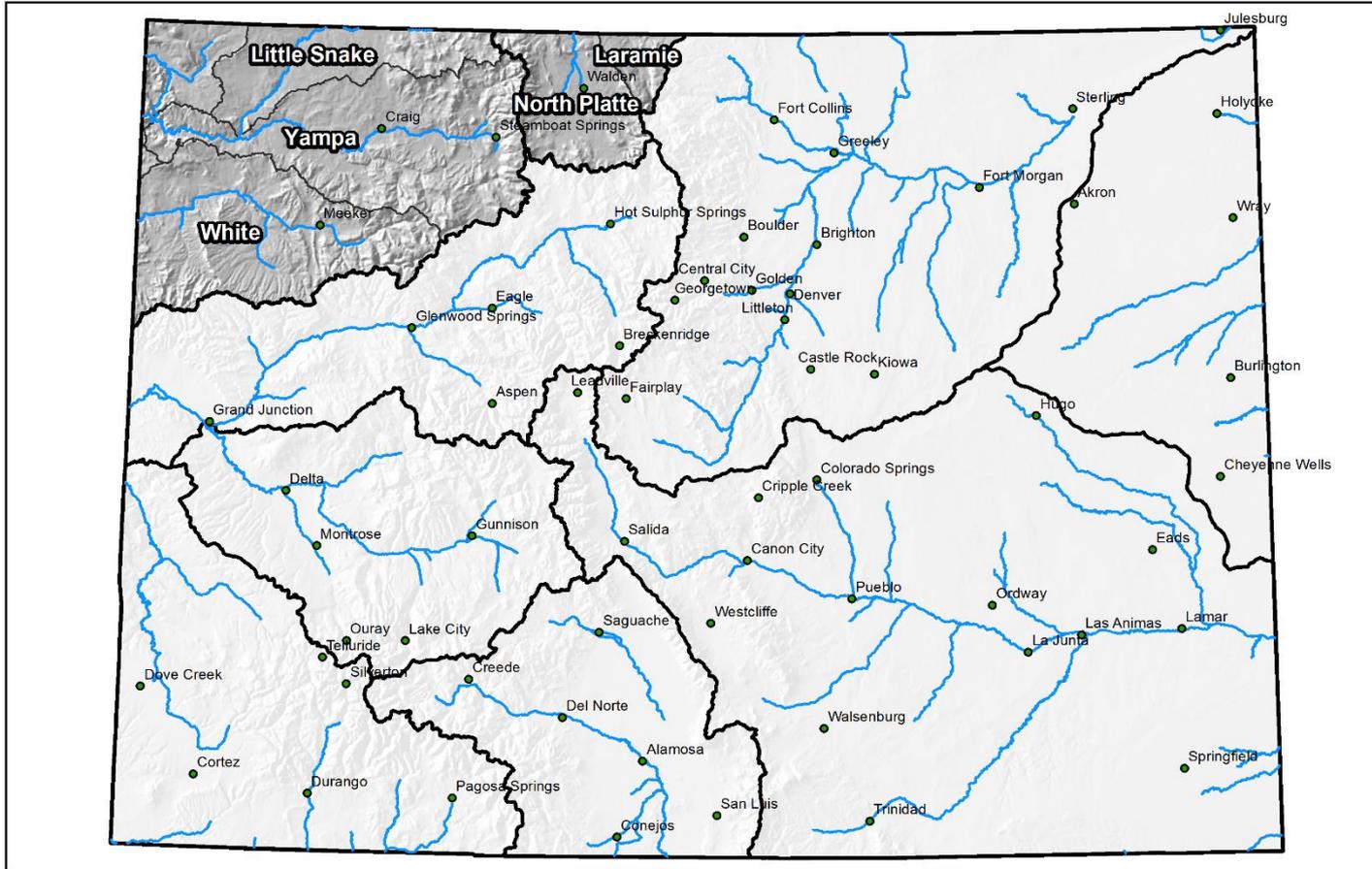
Colorado Snow Survey Supervisor

720-544-2852

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

## Major Basin Summary

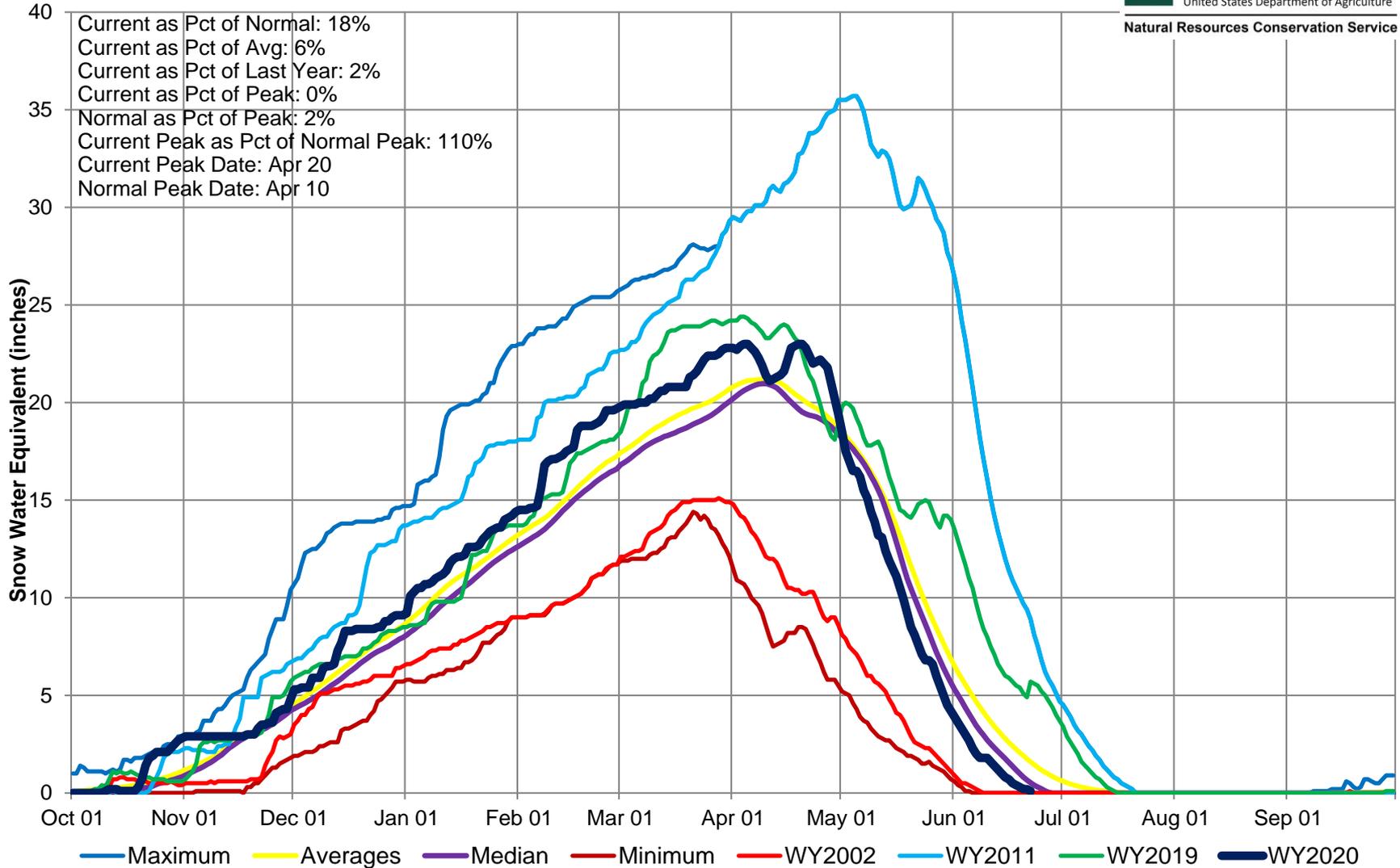
Yampa, White, and North Platte River Basins



## Yampa and White River Basins High/Low Snowpack Summary

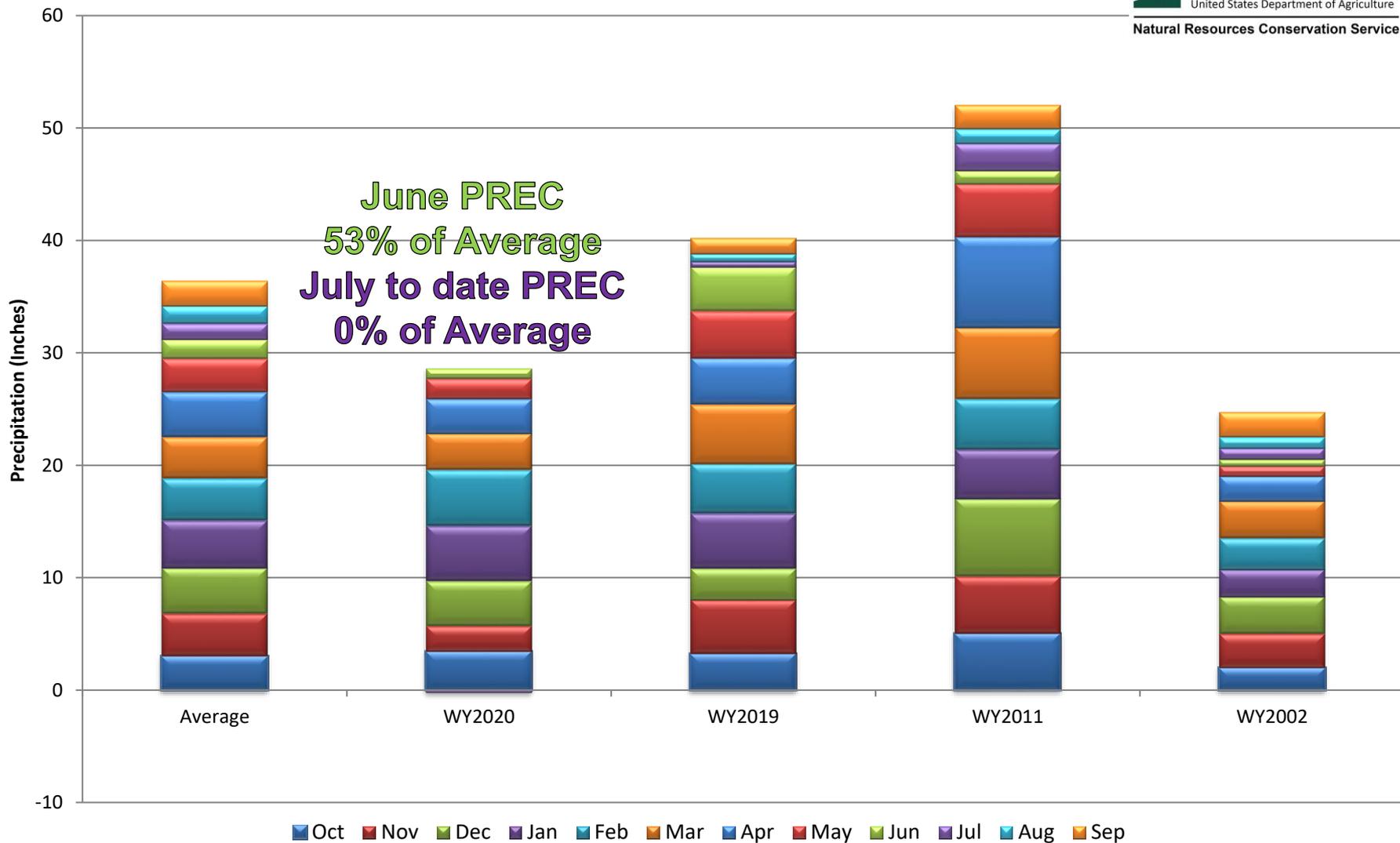
*Based on Provisional SNOTEL data as of Jun 22, 2020*

USDA  
United States Department of Agriculture  
Natural Resources Conservation Service

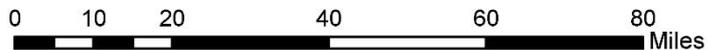
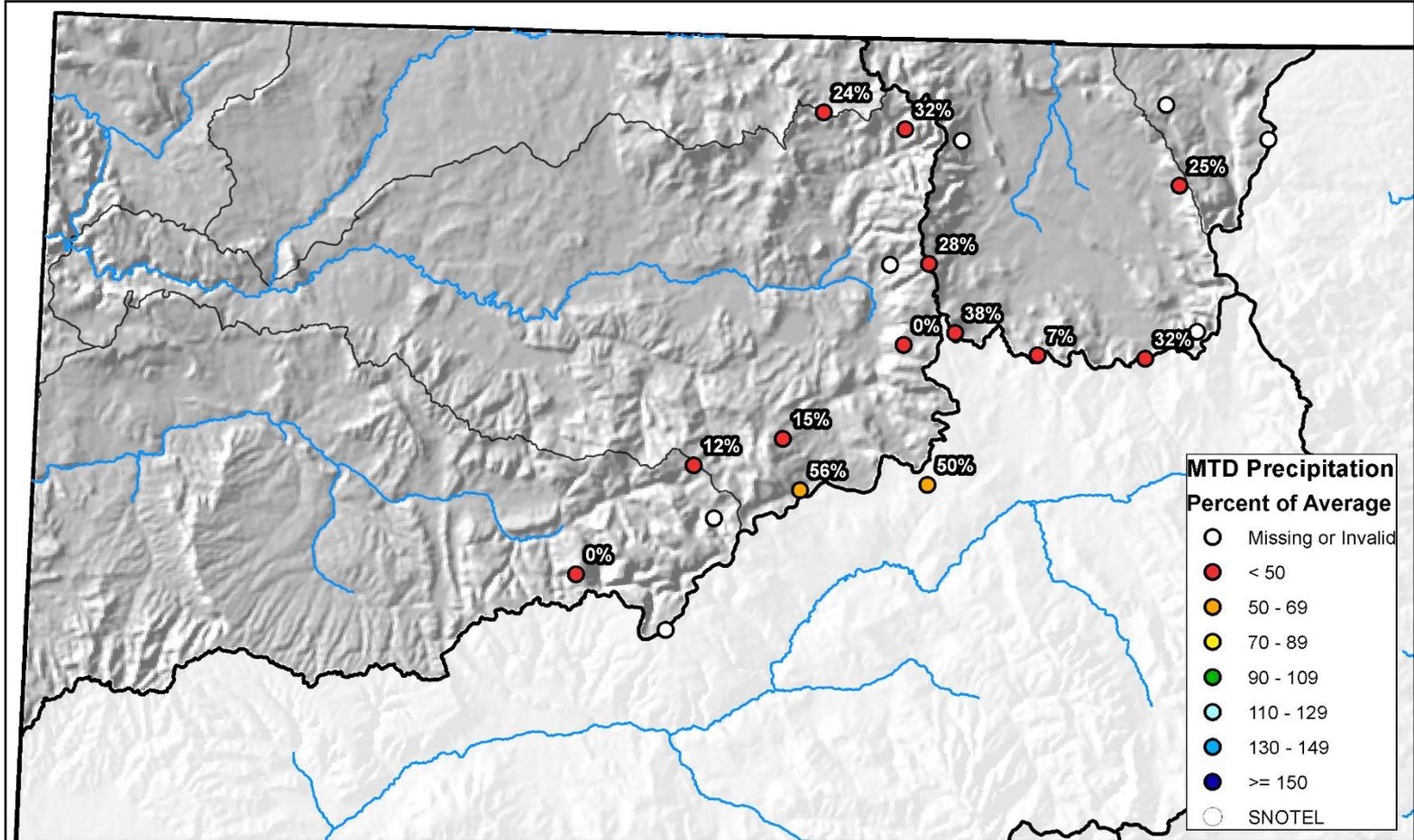


## Yampa and White River Basins High/Low Monthly Precipitation Summary

*Based on Provisional SNOTEL data as of Jul 22, 2020*

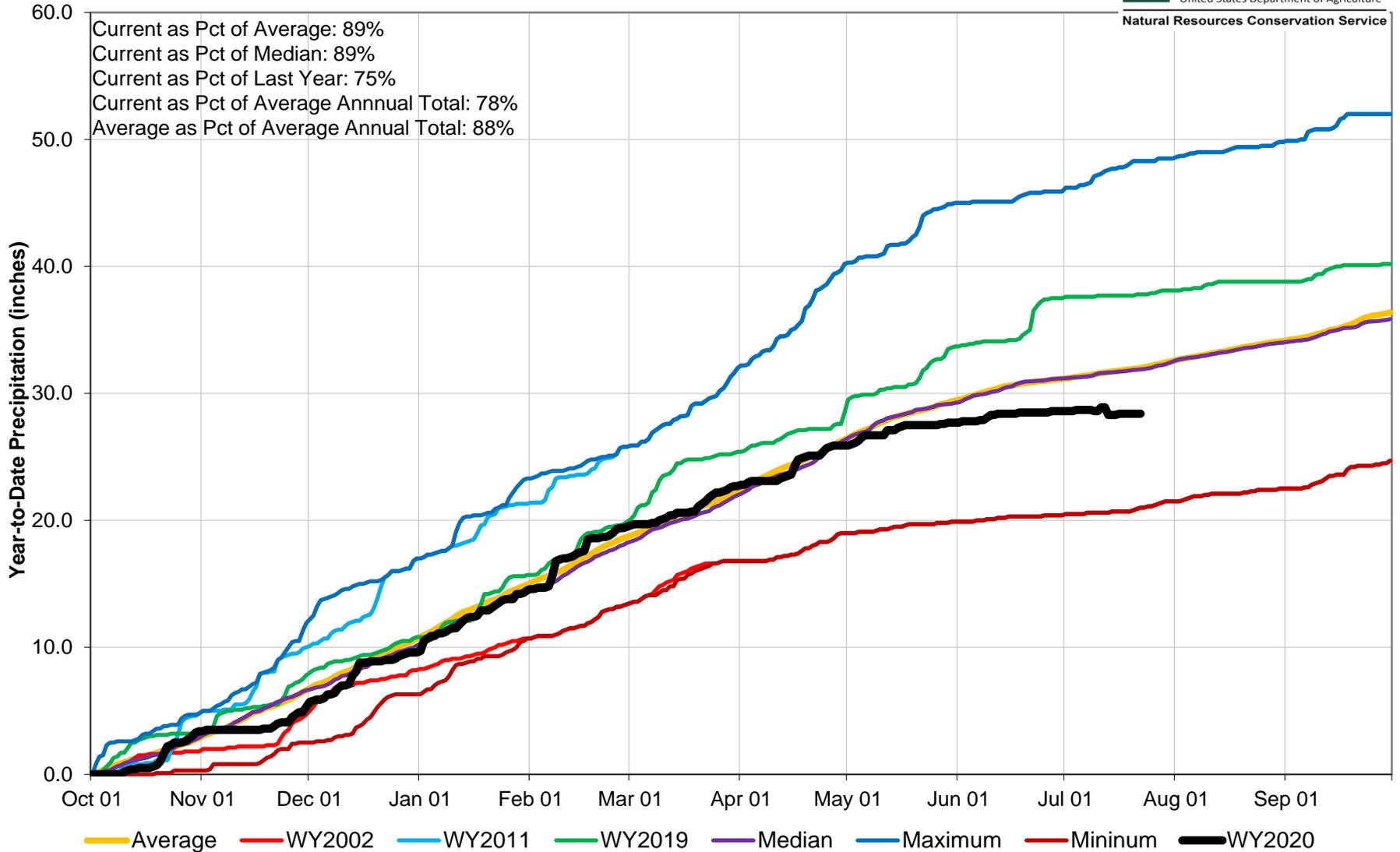


## Yampa, White, and North Platte River Basins Month to Date Precipitation Summary Current as of Jul 22, 2020

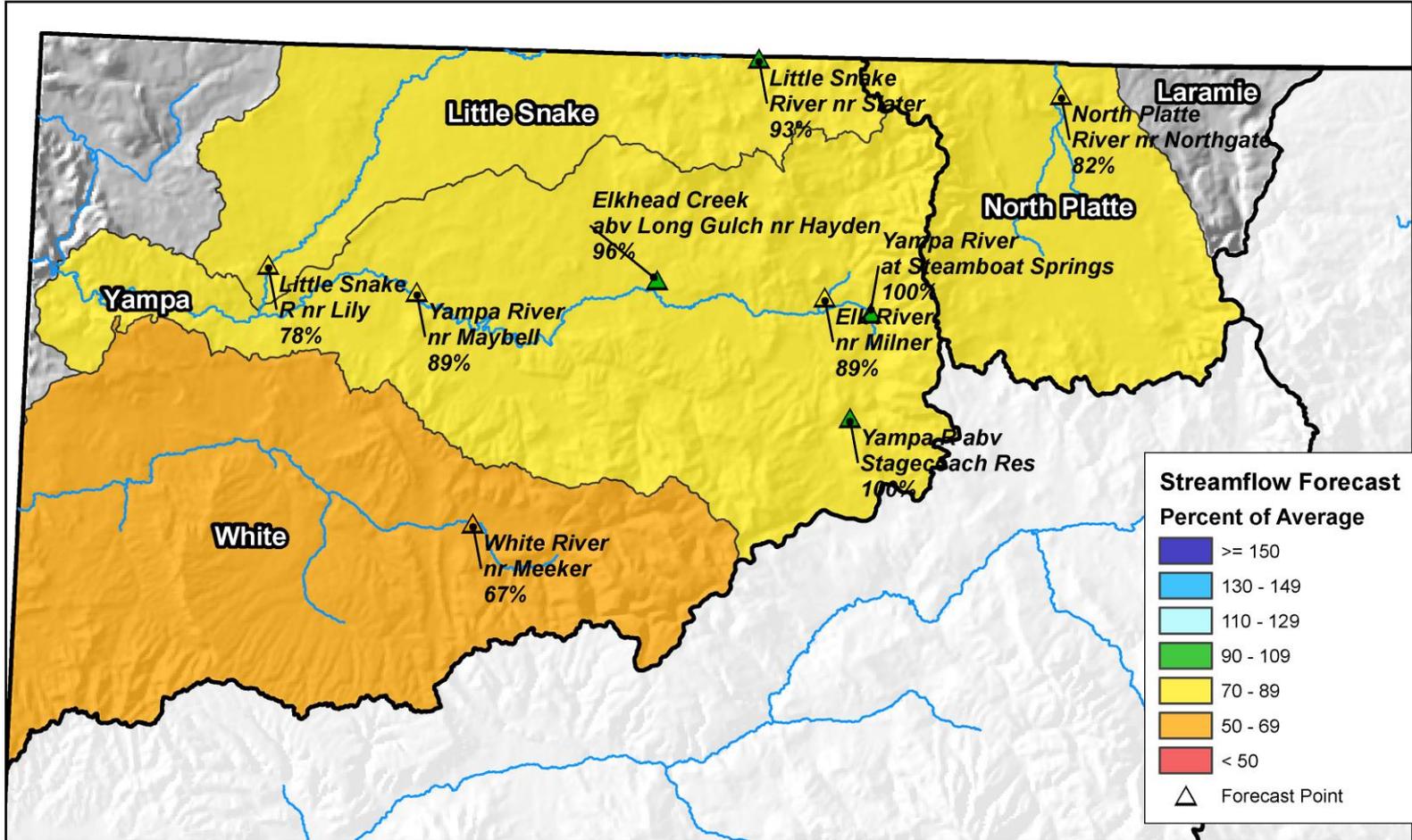


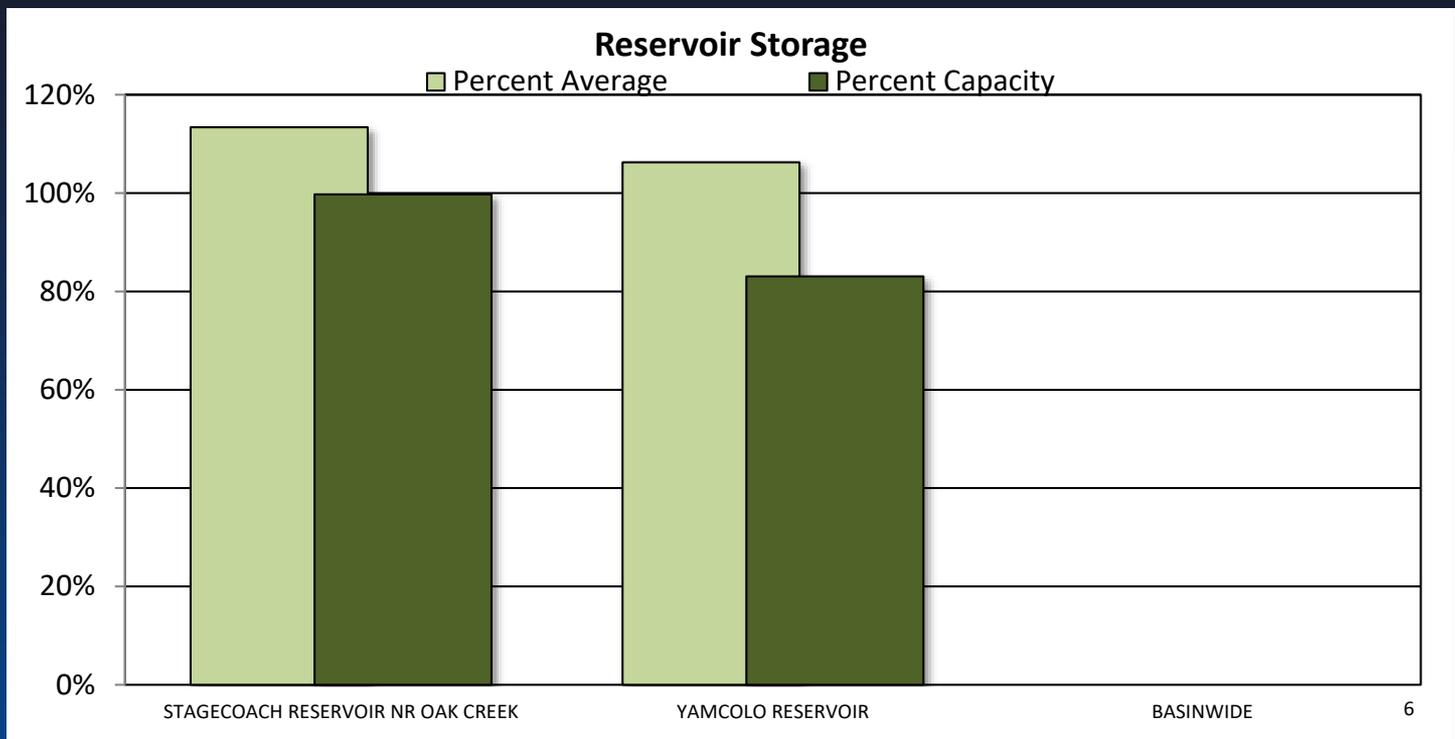
## Yampa and White River Basins High/Low Year-to-Date Precipitation Summary

*Based on Provisional SNOTEL data as of Jul 22, 2020*



## Yampa, White, and North Platte River Basins Streamflow Forecast Summary June 1, 2020

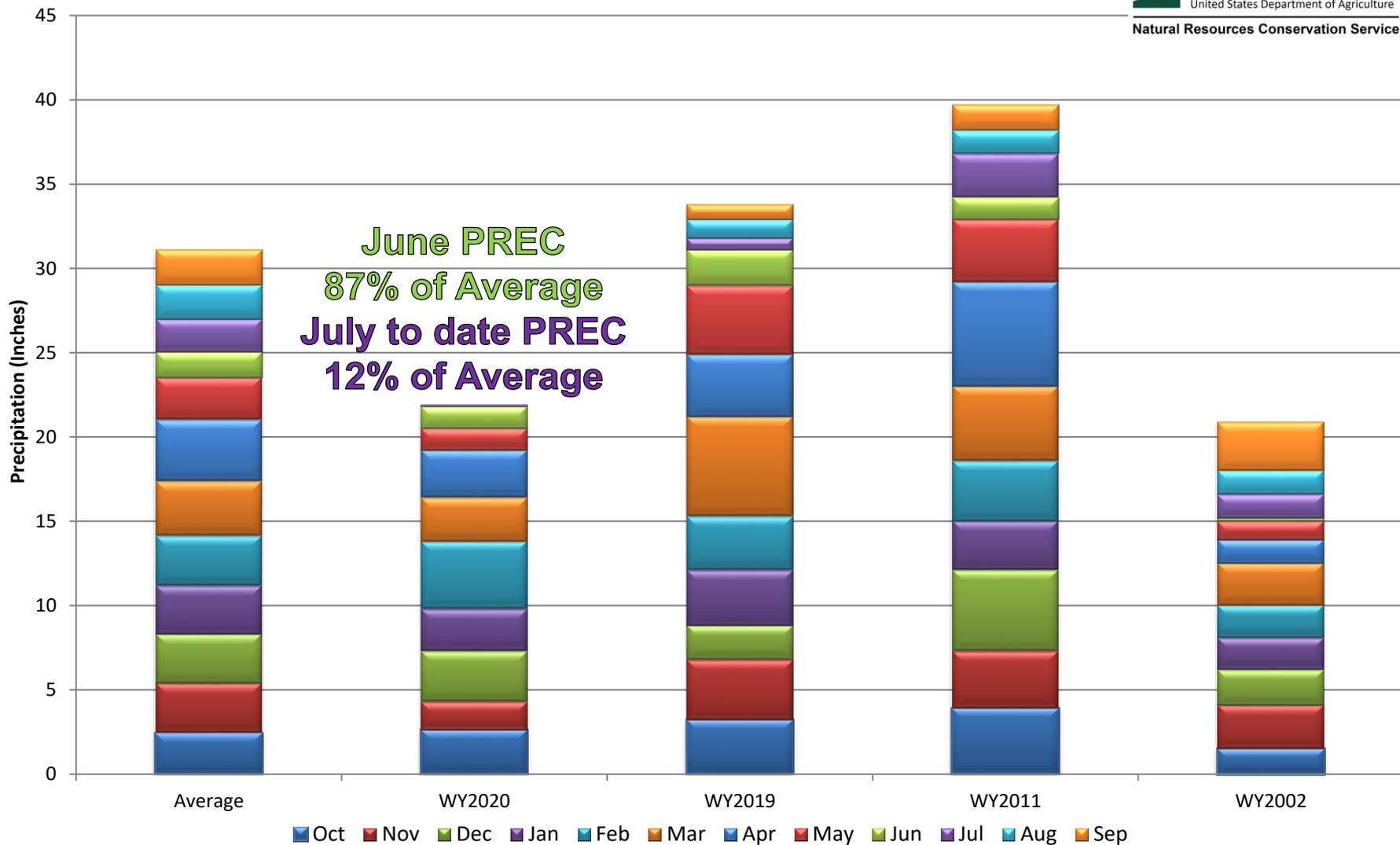




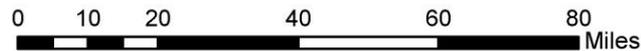
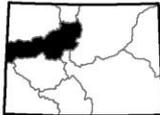
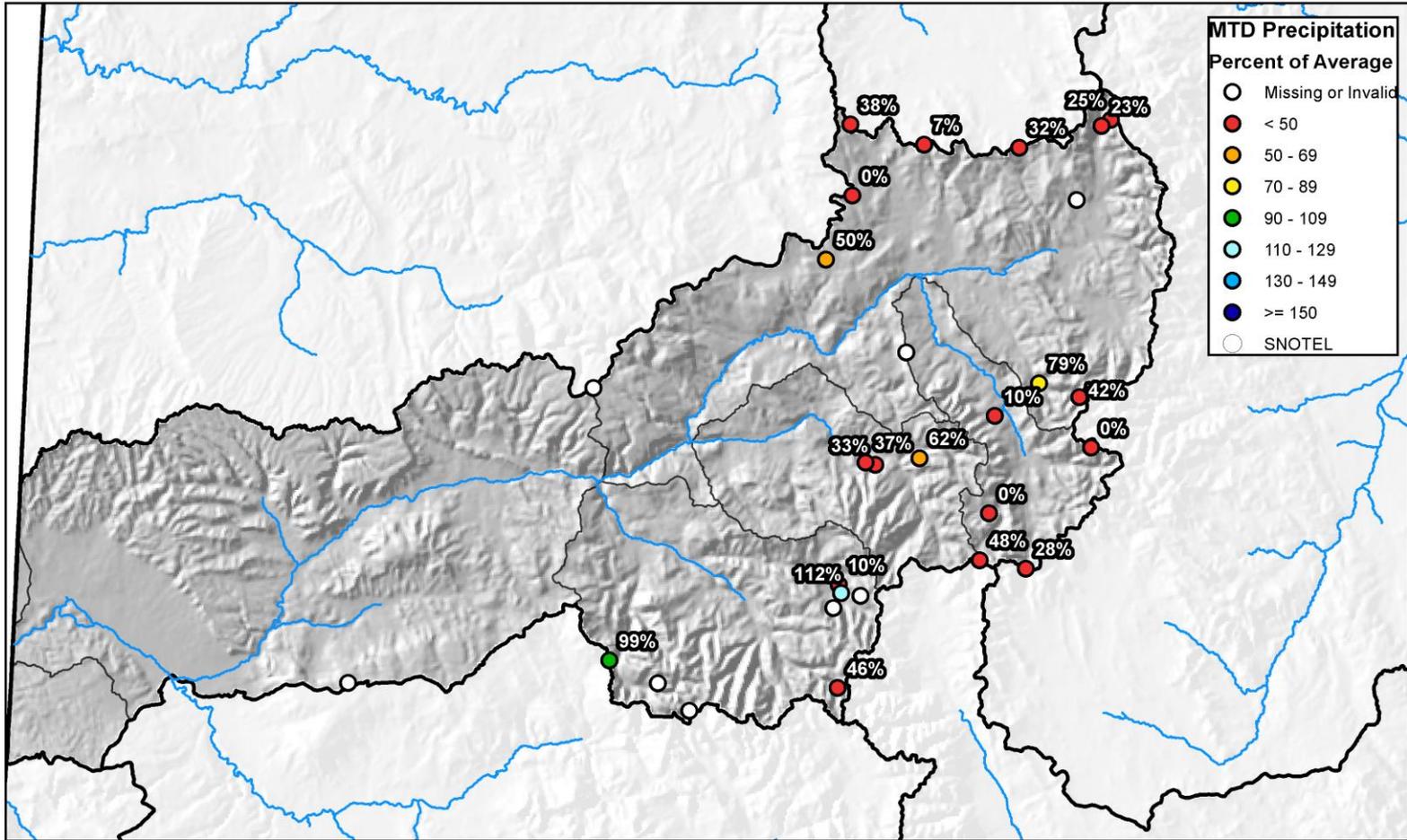


## Upper Colorado River Basin High/Low Monthly Precipitation Summary

*Based on Provisional SNOTEL data as of Jul 22, 2020*

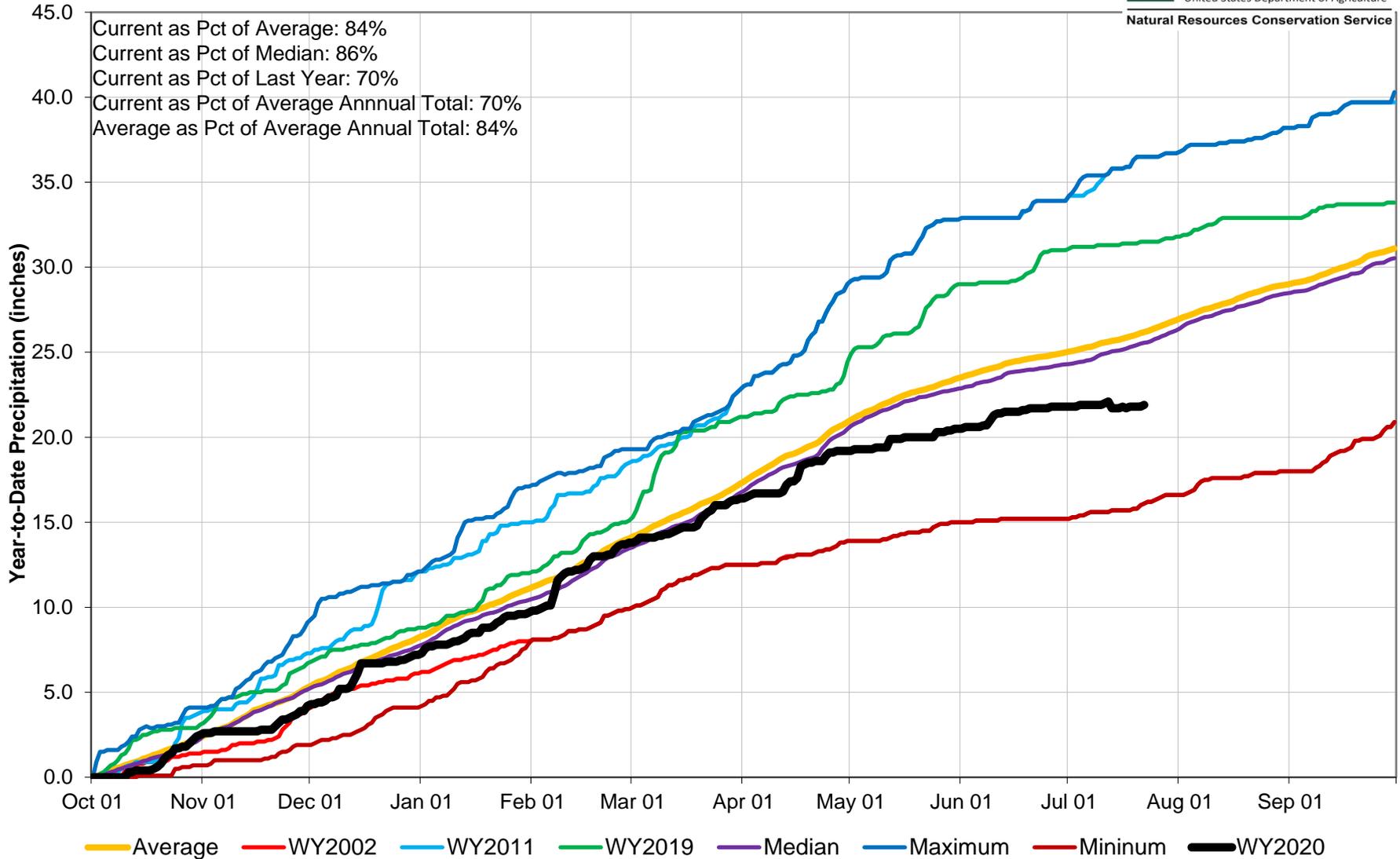


## Upper Colorado River Basin Month to Date Precipitation Summary Current as of Jul 22, 2020



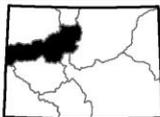
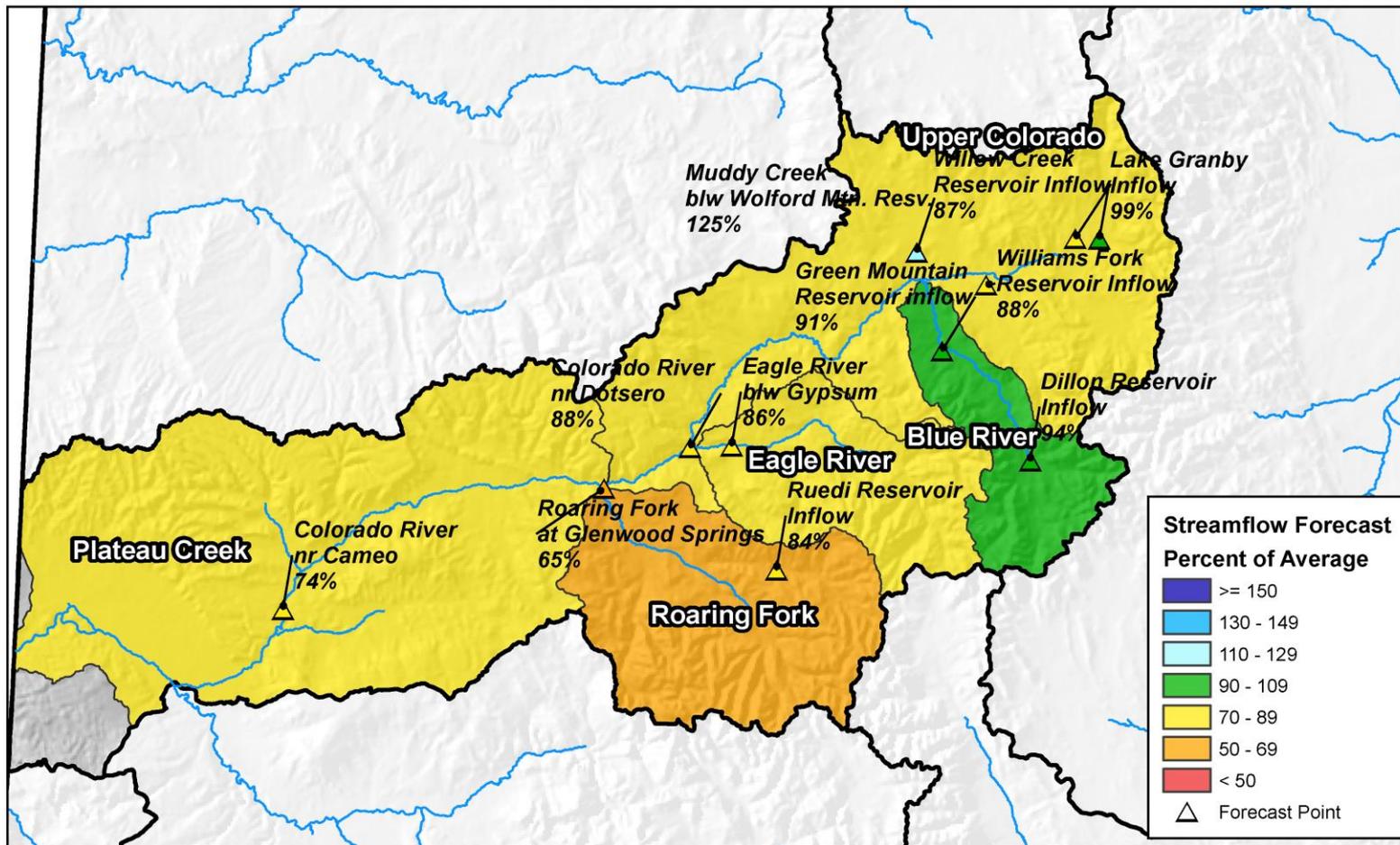
## Upper Colorado River Basin High/Low Year-to-Date Precipitation Summary

*Based on Provisional SNOTEL data as of Jul 22, 2020*

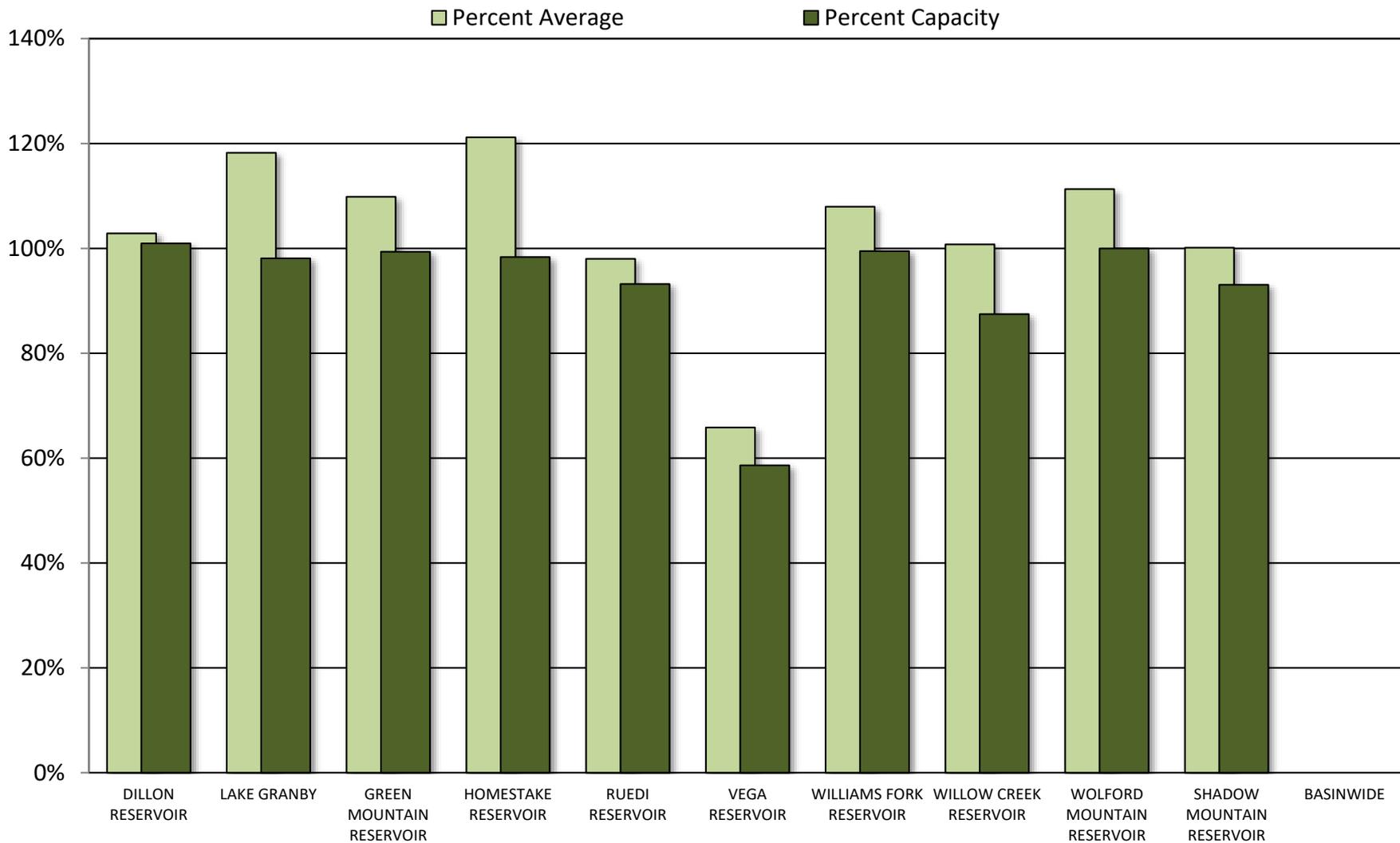


## Upper Colorado River Basin Streamflow Forecast Summary

June 1, 2020

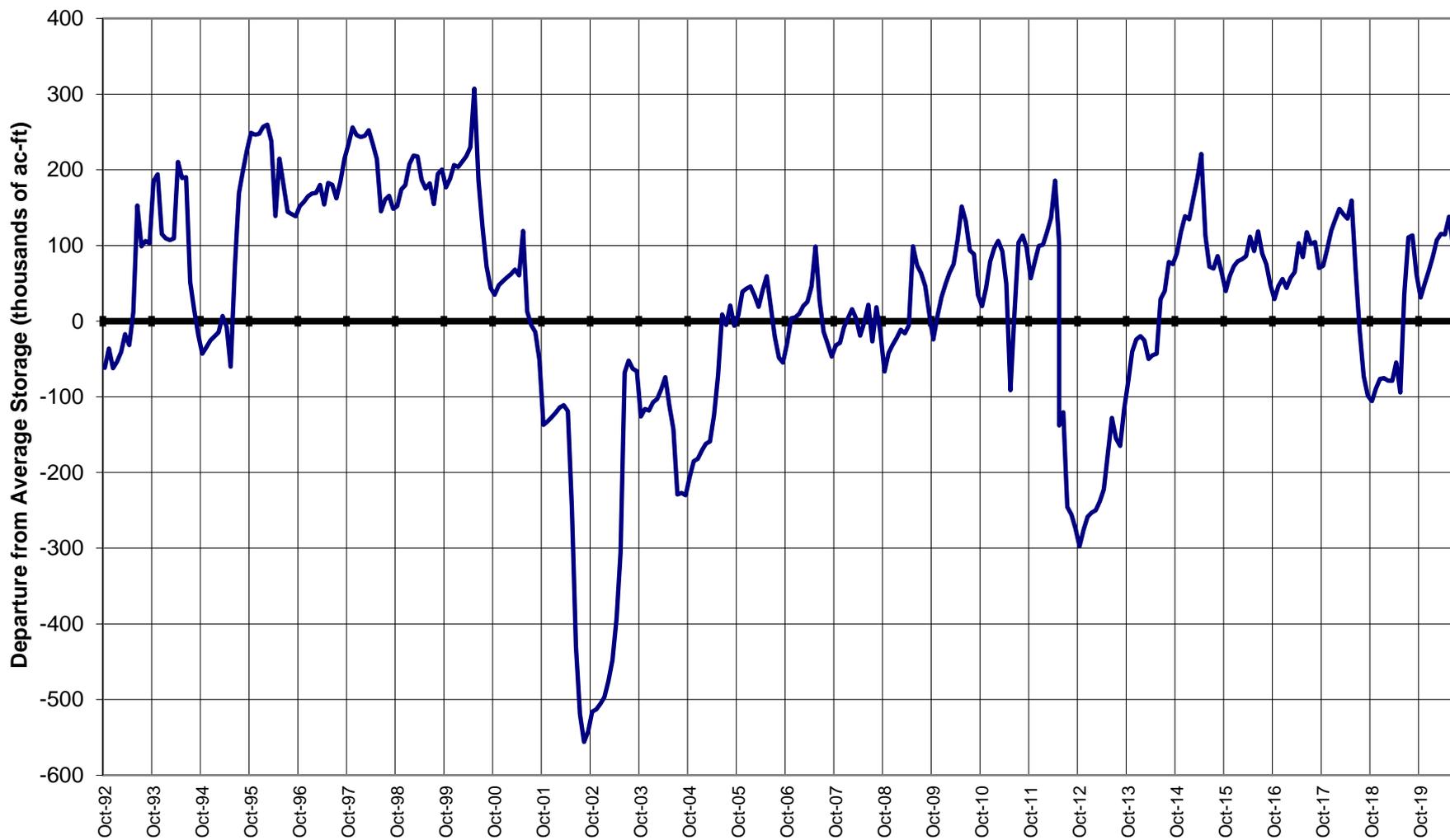


## Reservoir Storage



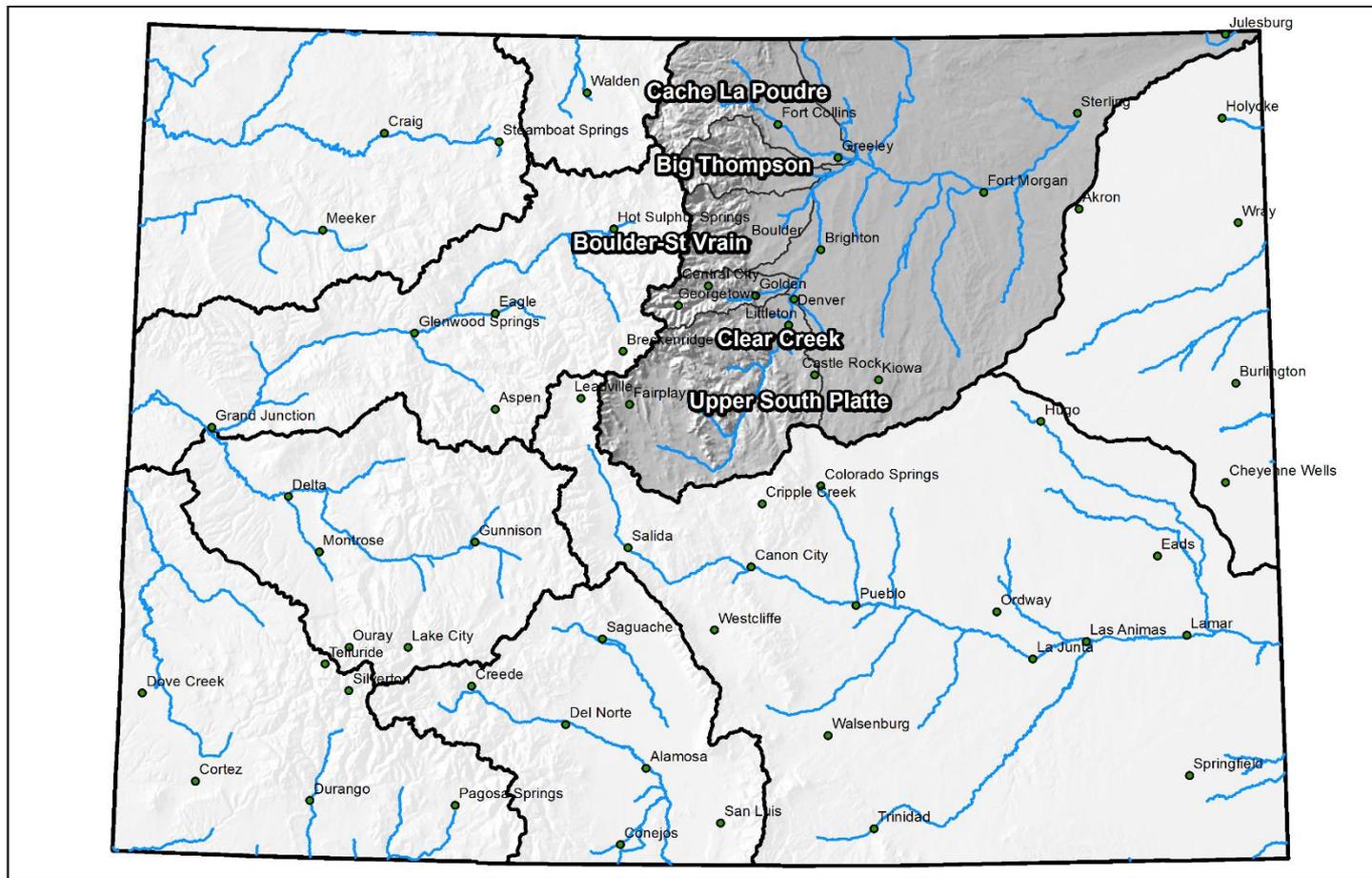


## COLORADO RIVER BASIN Reservoir Storage Departure from Average



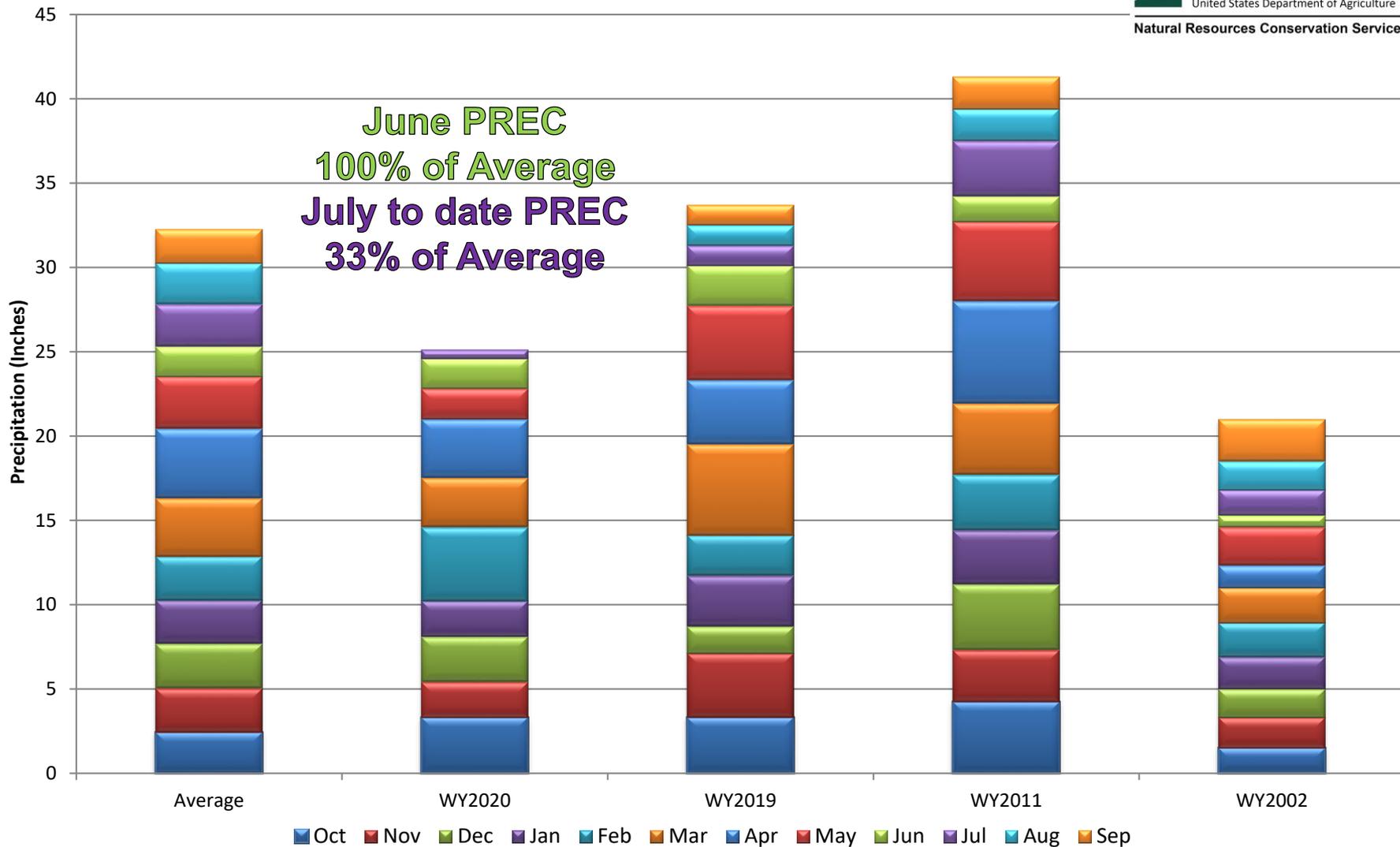
## Major Basin Summary

### South Platte River Basin



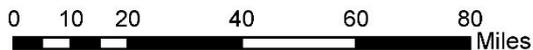
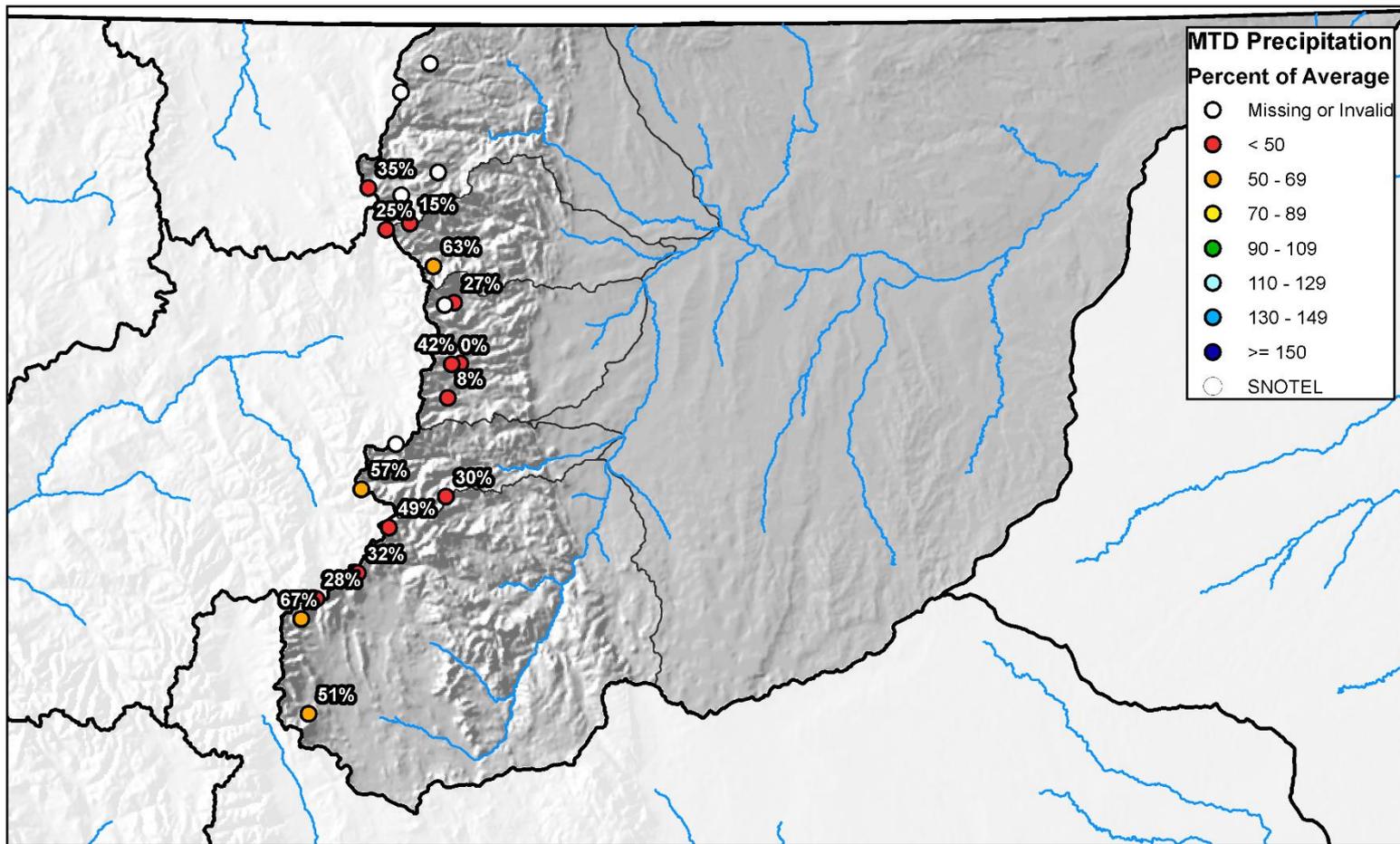
## South Platte River Basin High/Low Monthly Precipitation Summary

*Based on Provisional SNOTEL data as of Jul 22, 2020*



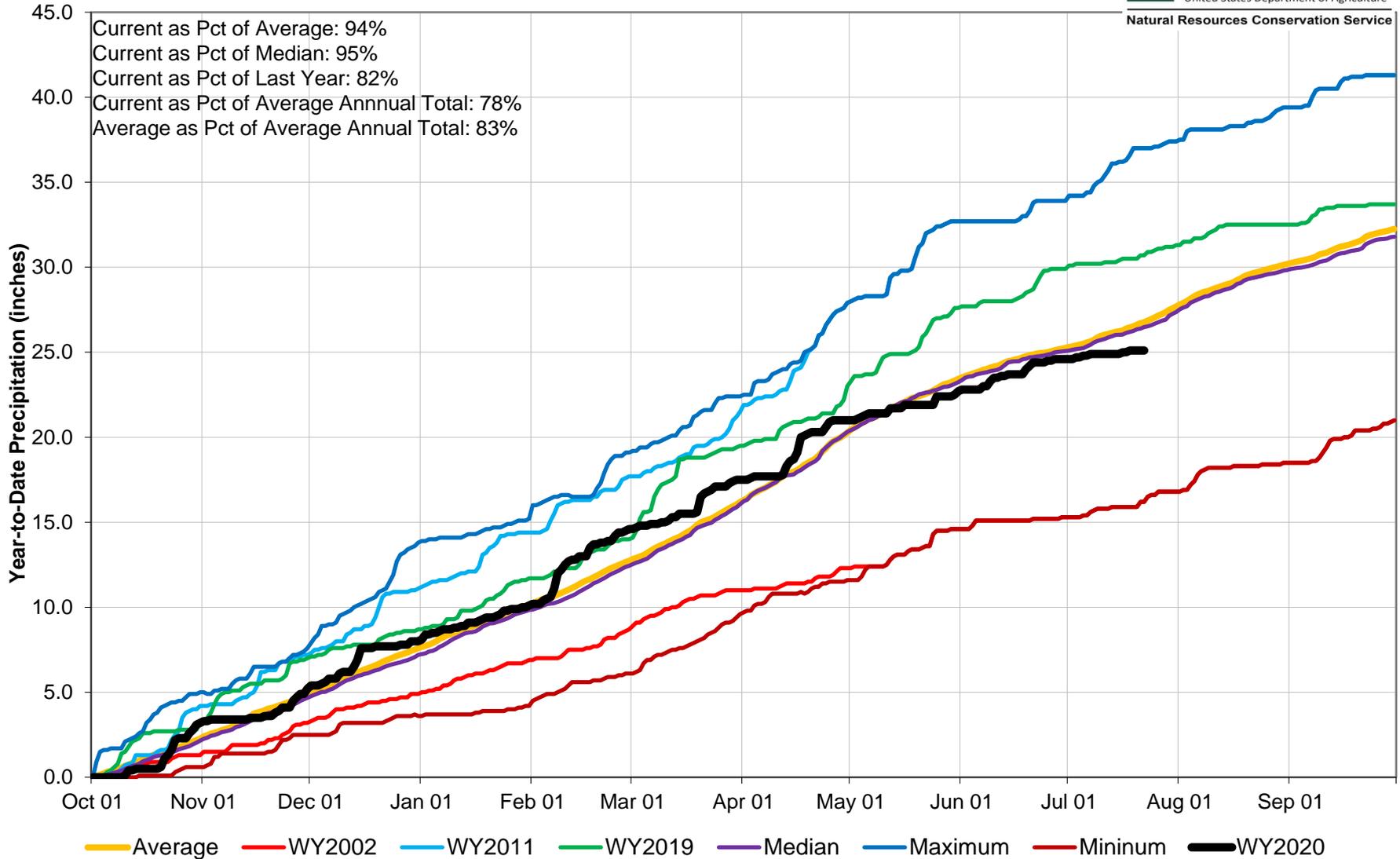
## South Platte River Basin Month to Date Precipitation Summary

Current as of Jul 22, 2020



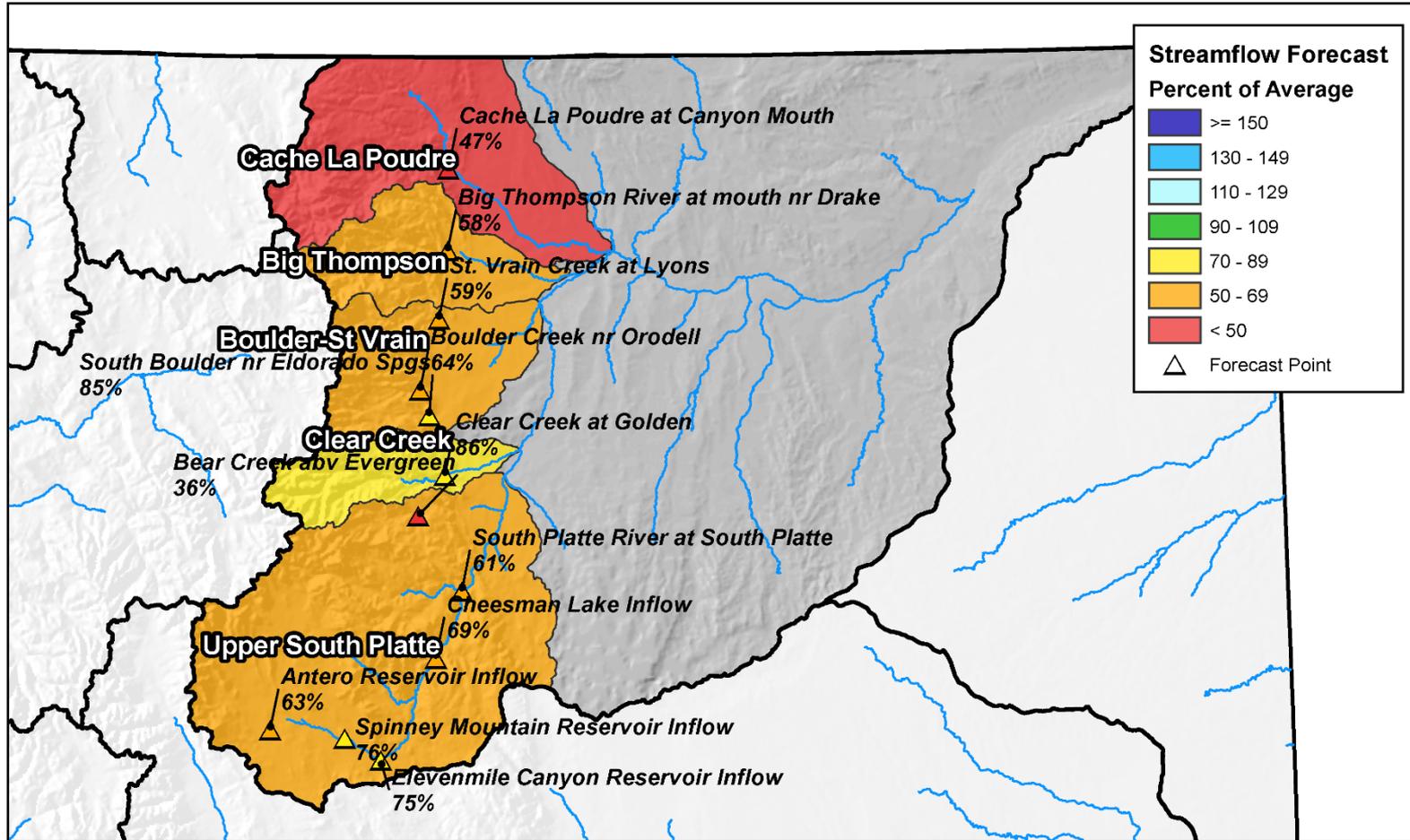
## South Platte River Basin High/Low Year-to-Date Precipitation Summary

*Based on Provisional SNOTEL data as of Jul 22, 2020*



## South Platte River Basin Streamflow Forecast Summary

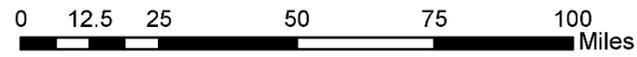
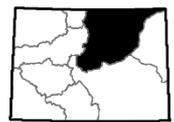
June 1, 2020



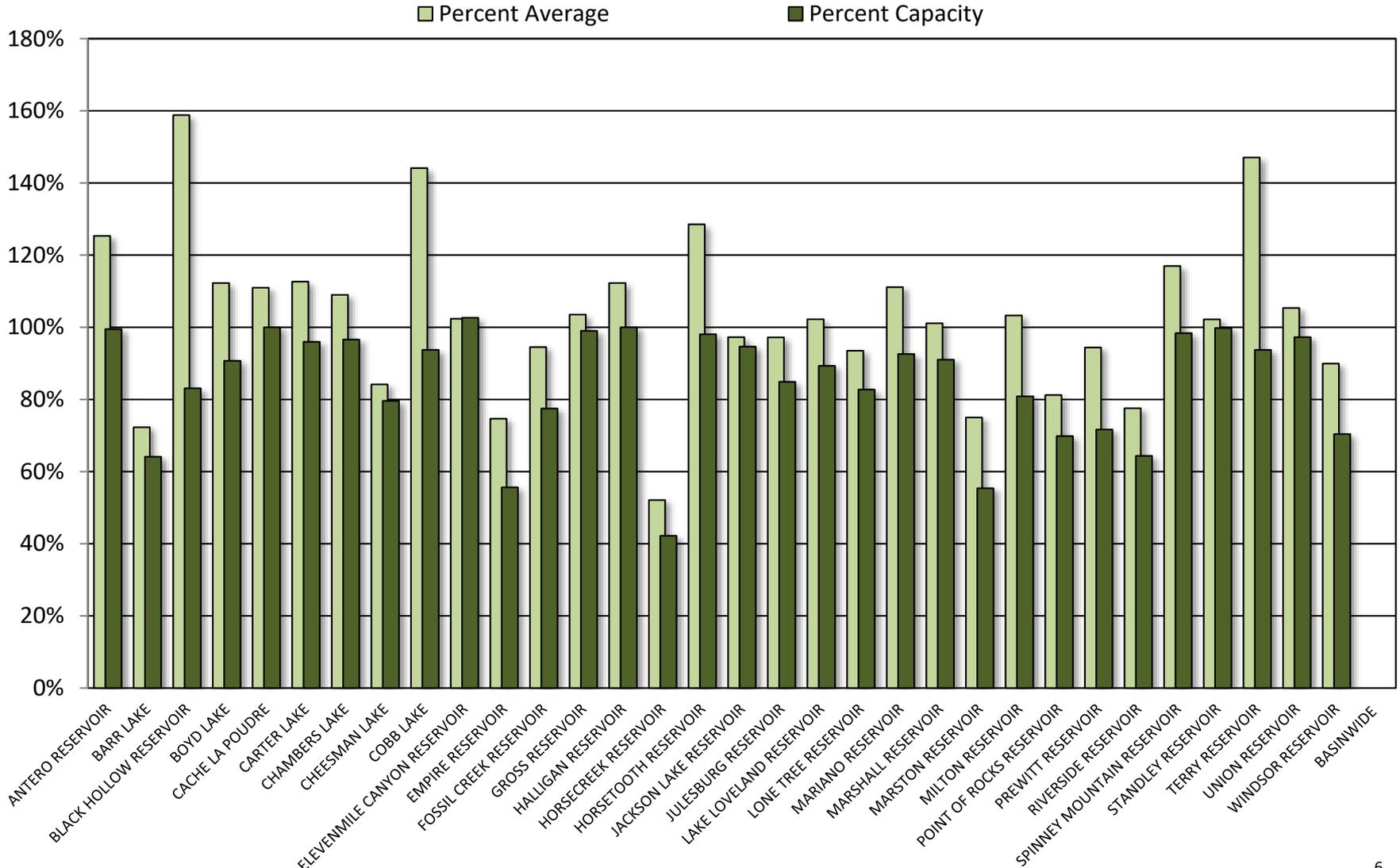
**Streamflow Forecast Percent of Average**

- $\geq 150$
- 130 - 149
- 110 - 129
- 90 - 109
- 70 - 89
- 50 - 69
- $< 50$

Forecast Point

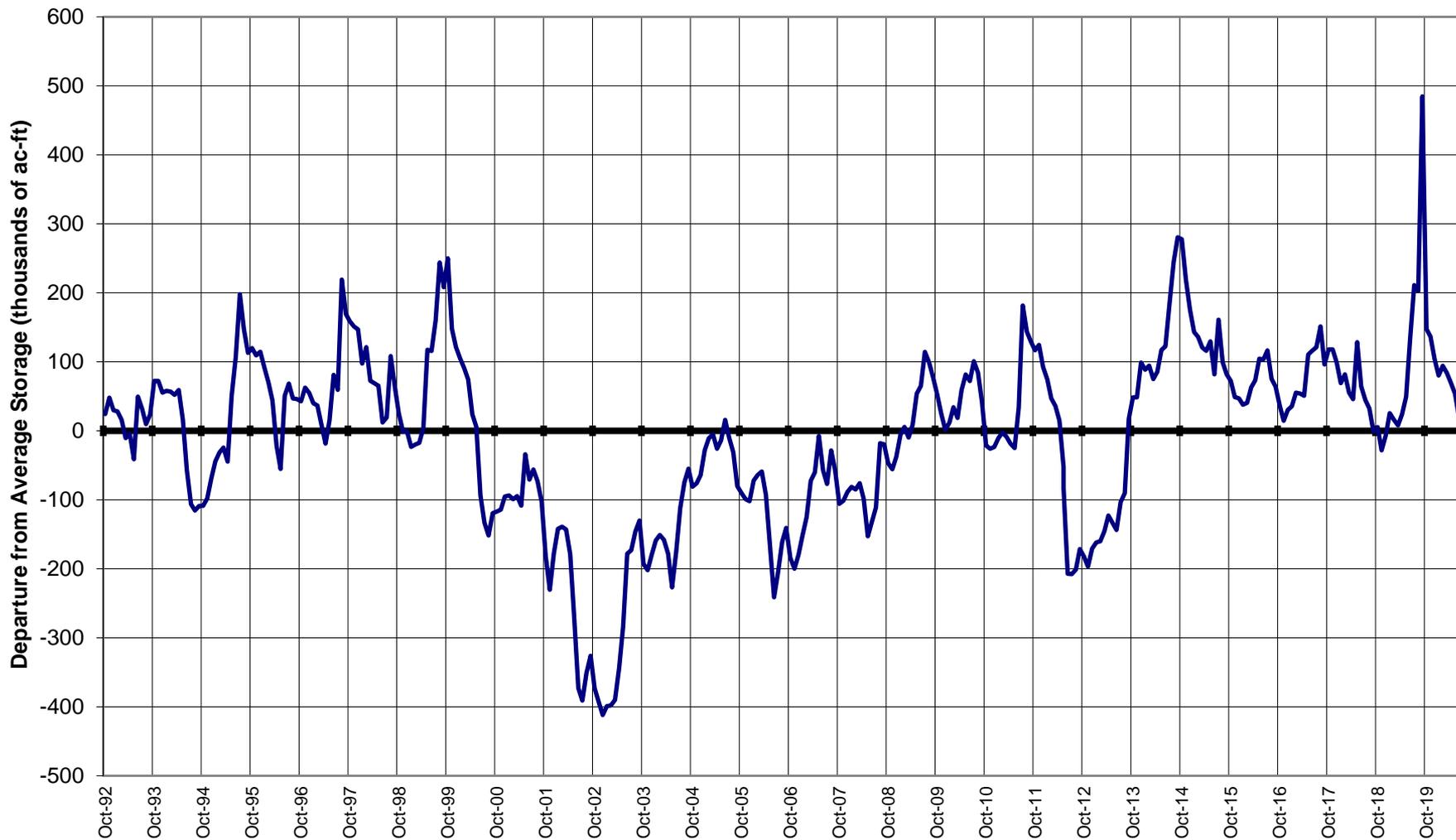


## Reservoir Storage



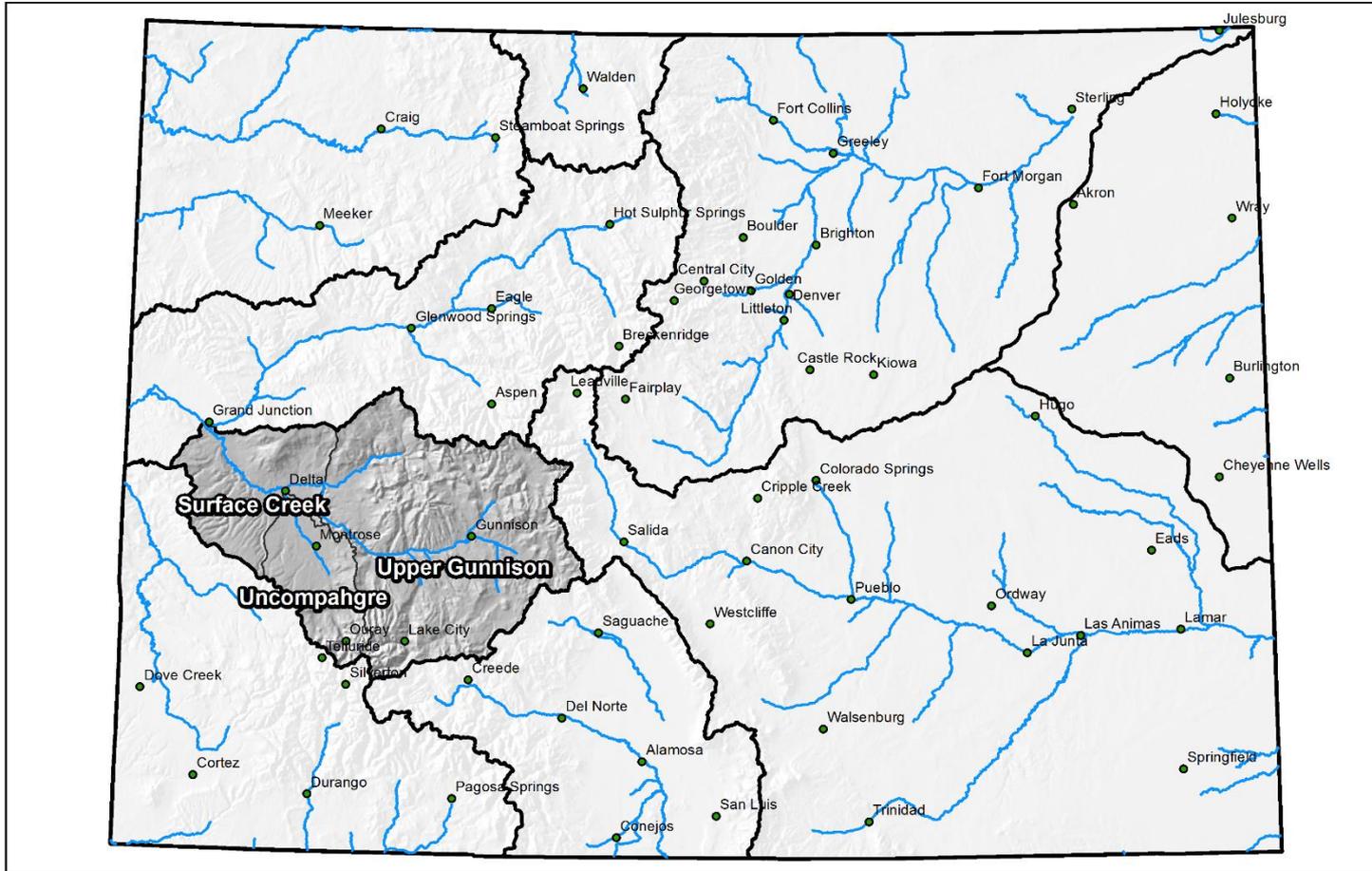


## SOUTH PLATTE RIVER BASIN Reservoir Storage Departure from Average



## Major Basin Summary

### Gunnison River Basin

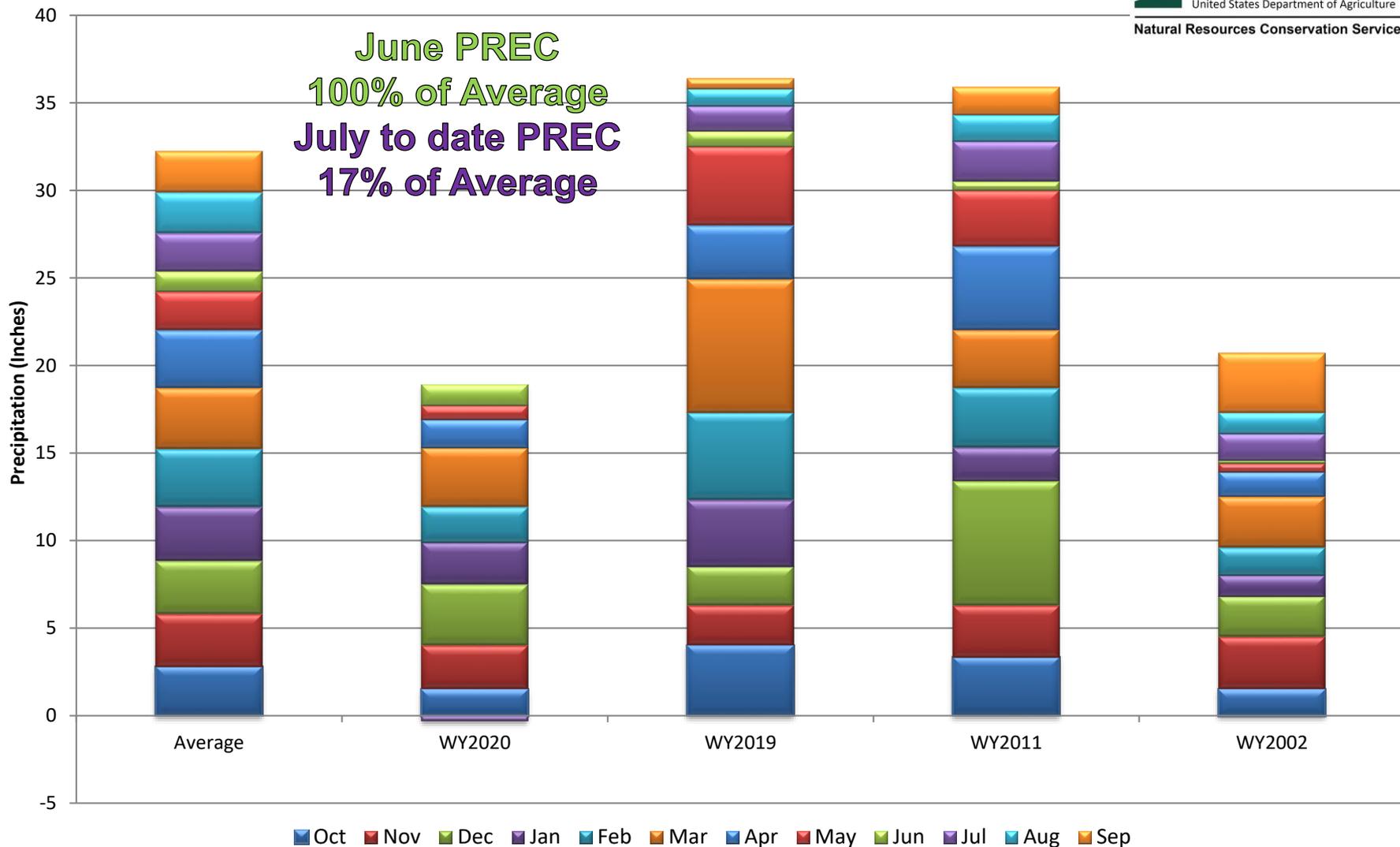


0 25 50 100 150 200 Miles

## Gunnison River Basin High/Low Monthly Precipitation Summary

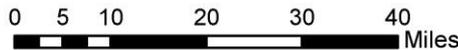
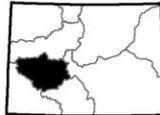
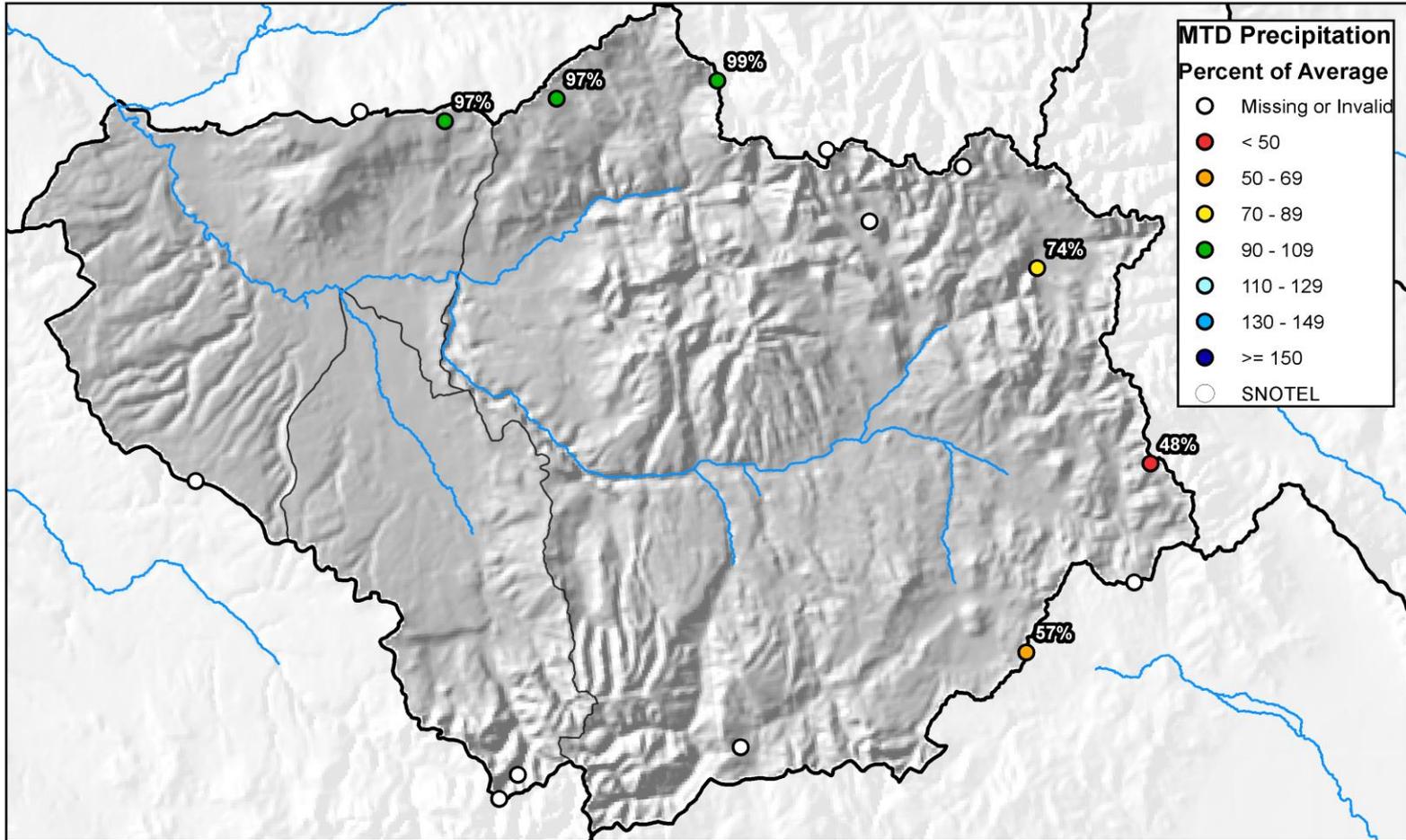
*Based on Provisional SNOTEL data as of Jul 22, 2020*

June PREC  
100% of Average  
July to date PREC  
17% of Average



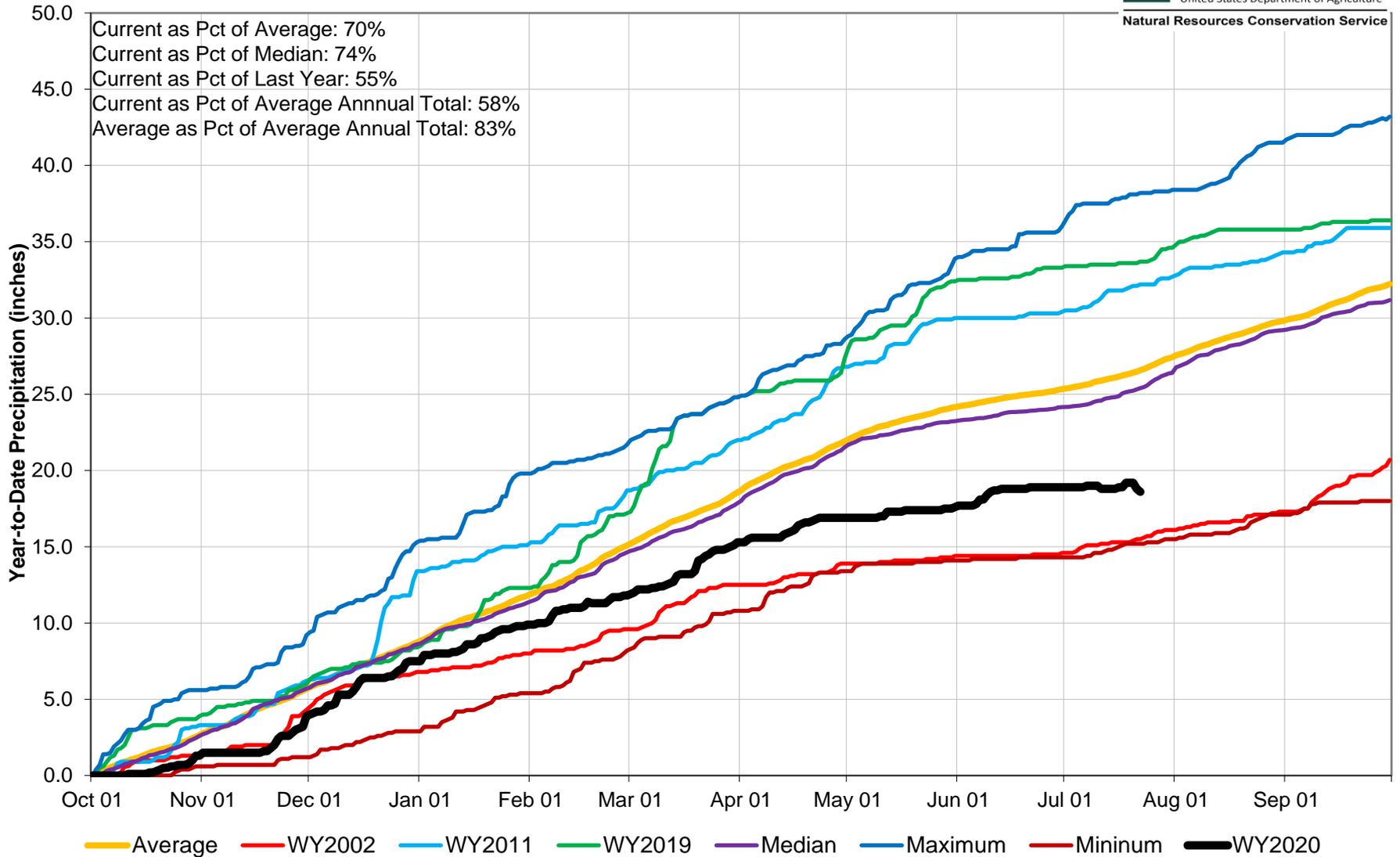
## Gunnison River Basin Month to Date Precipitation Summary

Current as of Jul 22, 2020



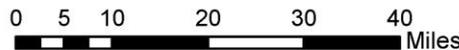
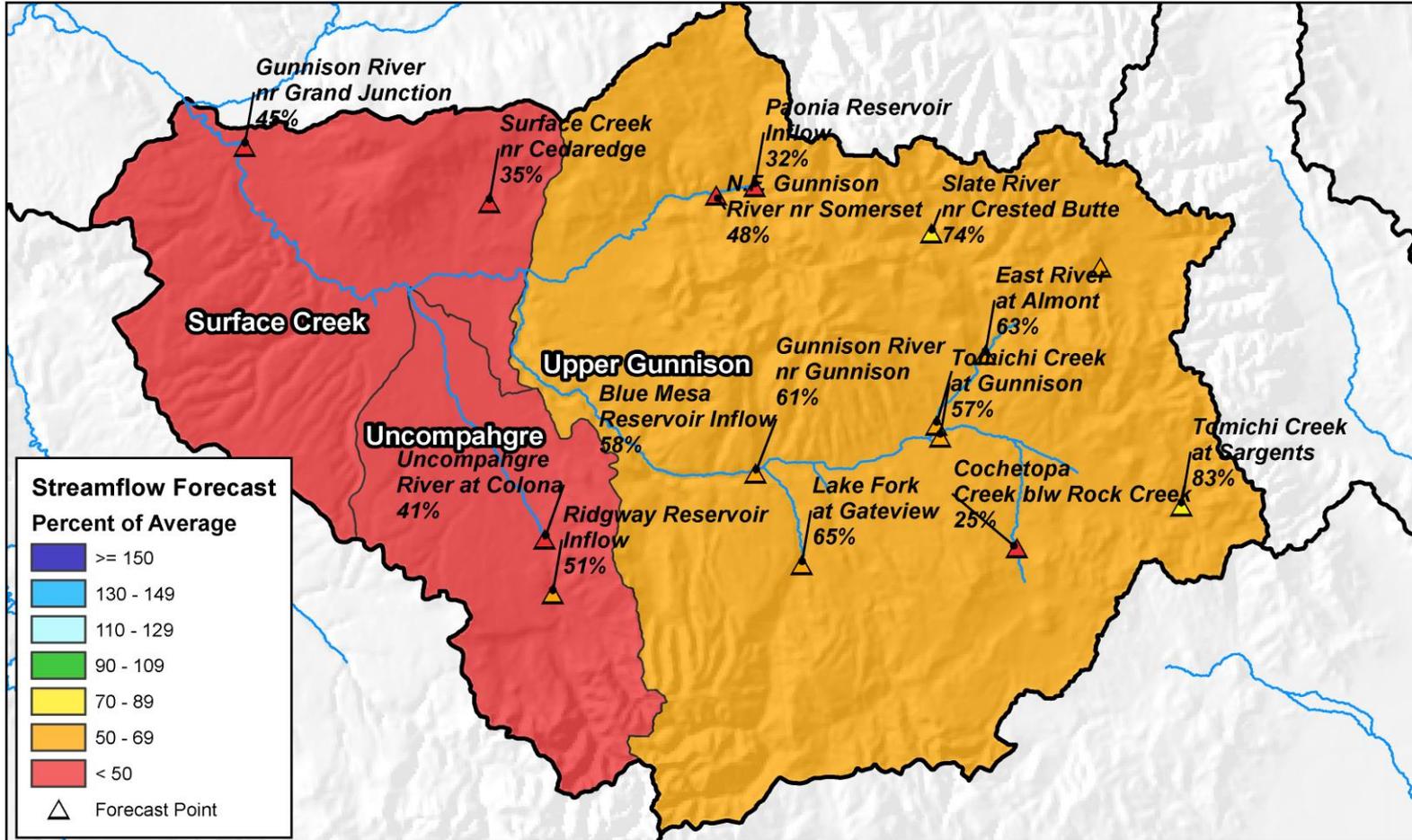
## Gunnison River Basin High/Low Year-to-Date Precipitation Summary

*Based on Provisional SNOTEL data as of Jul 22, 2020*

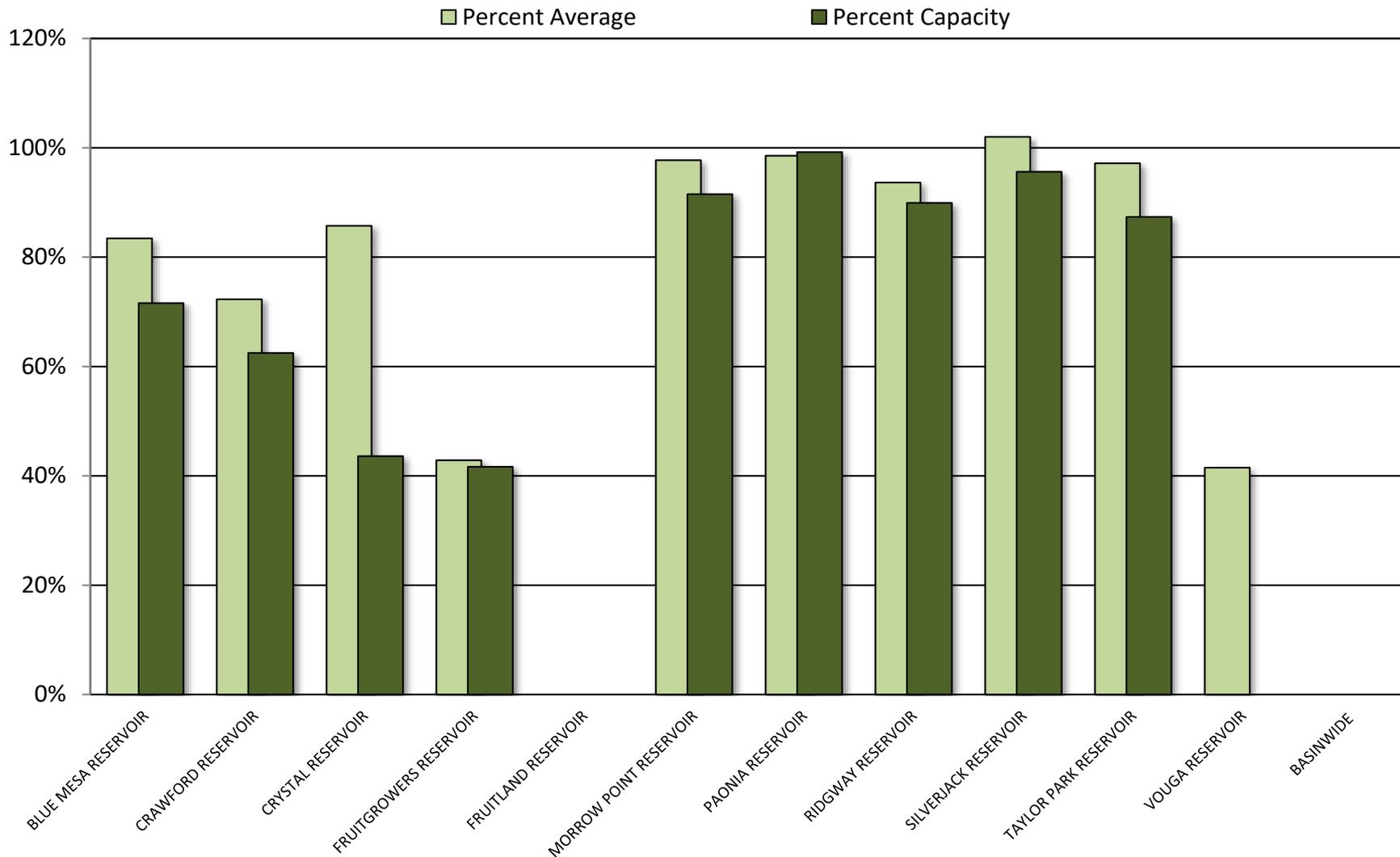


## Gunnison River Basin Water Supply Forecast Summary

June 1, 2020

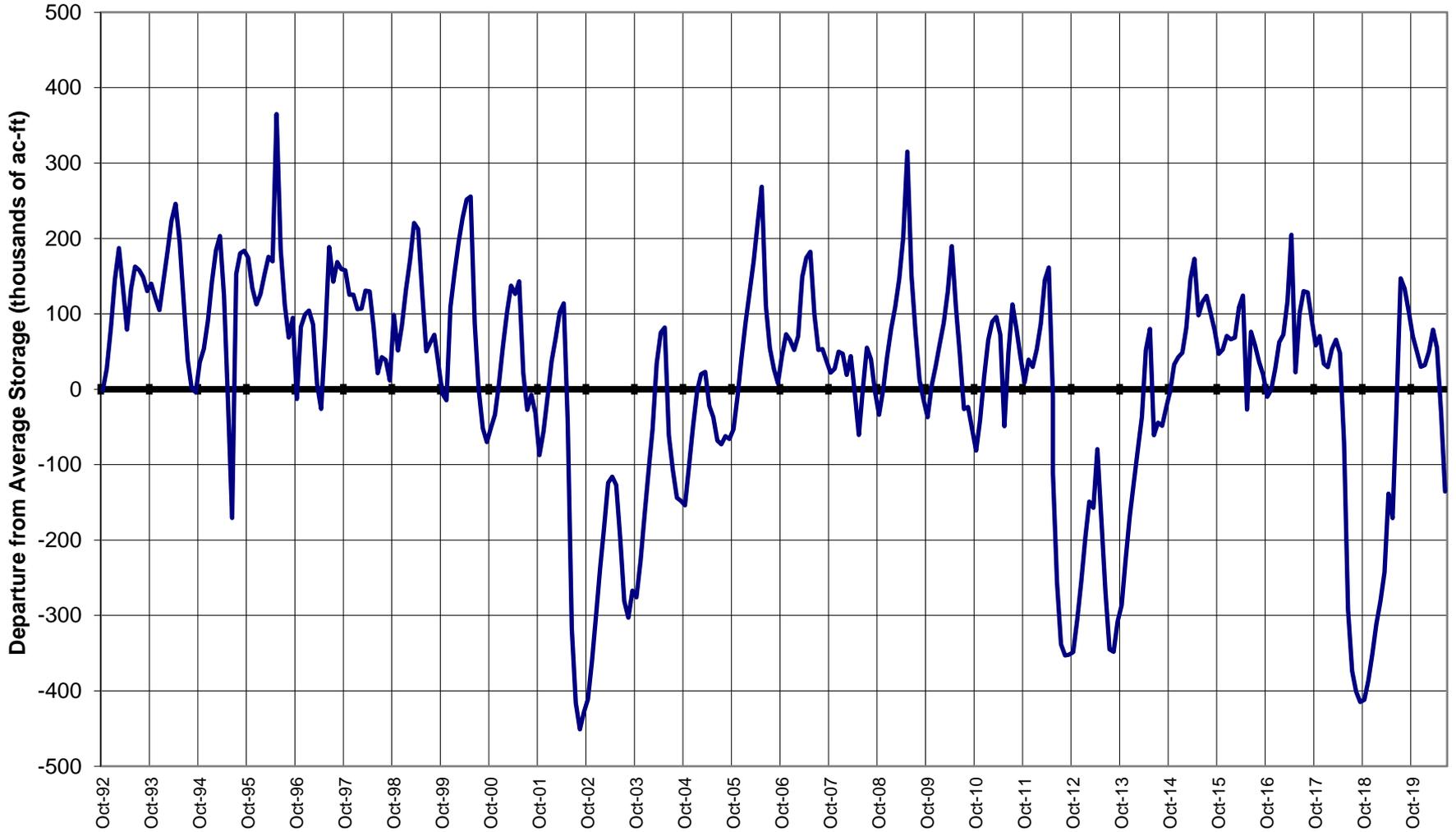


## Reservoir Storage





## GUNNISON RIVER BASIN Reservoir Storage Departure from Average

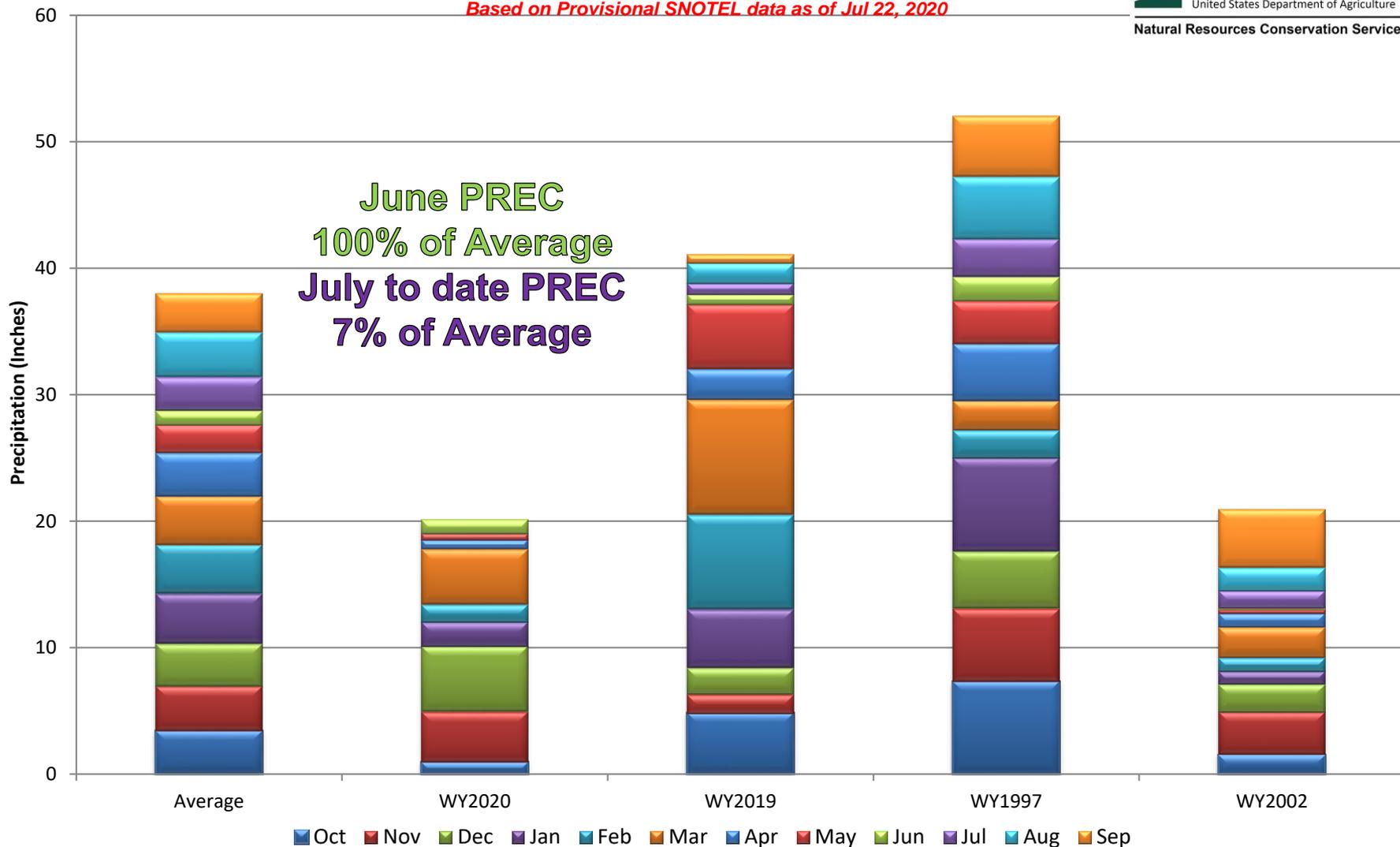




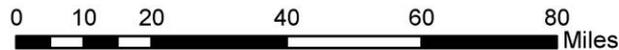
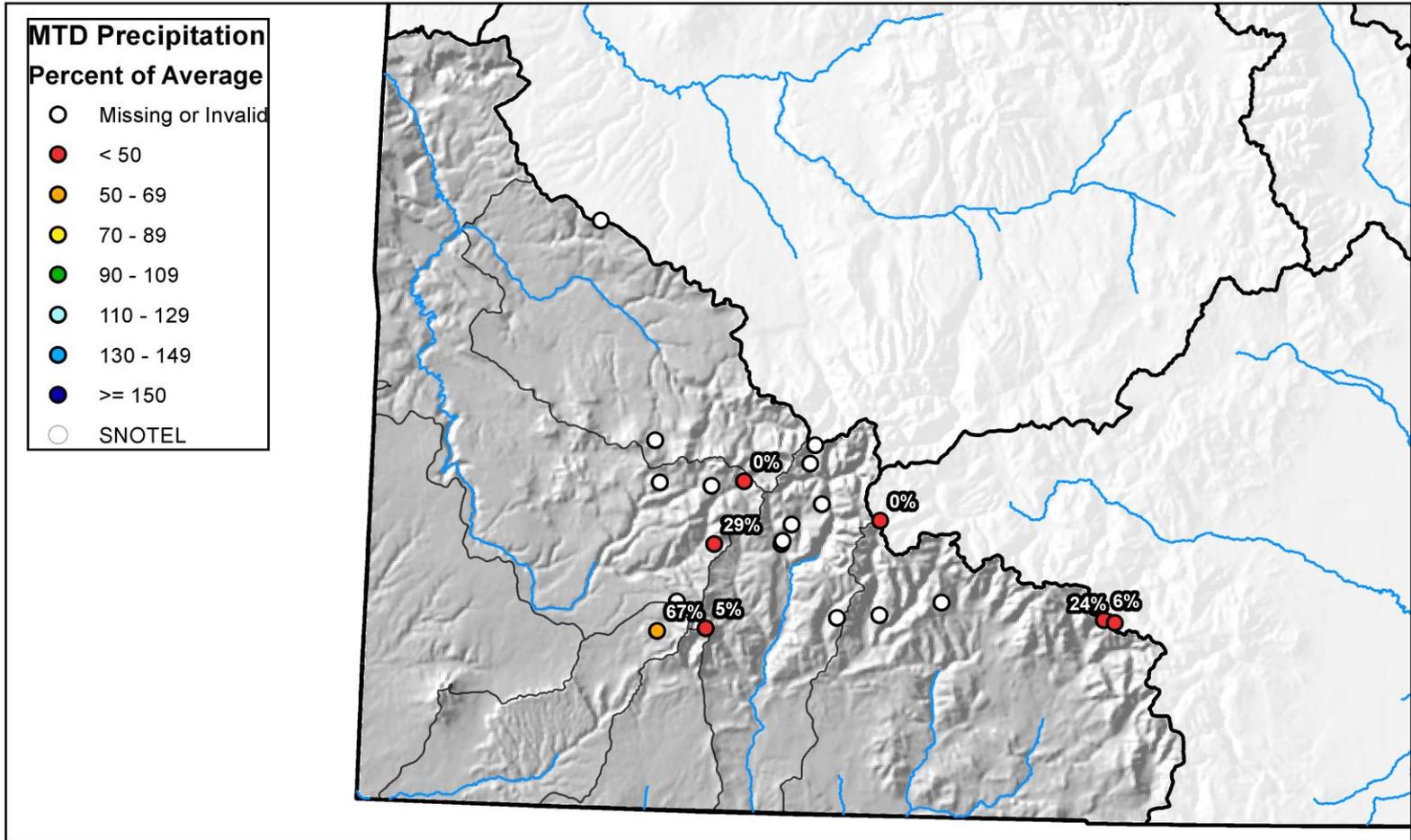
## San Miguel, Dolores, Animas and San Juan River Basins High/Low Monthly Precipitation Summary

*Based on Provisional SNOTEL data as of Jul 22, 2020*

USDA  
United States Department of Agriculture  
Natural Resources Conservation Service

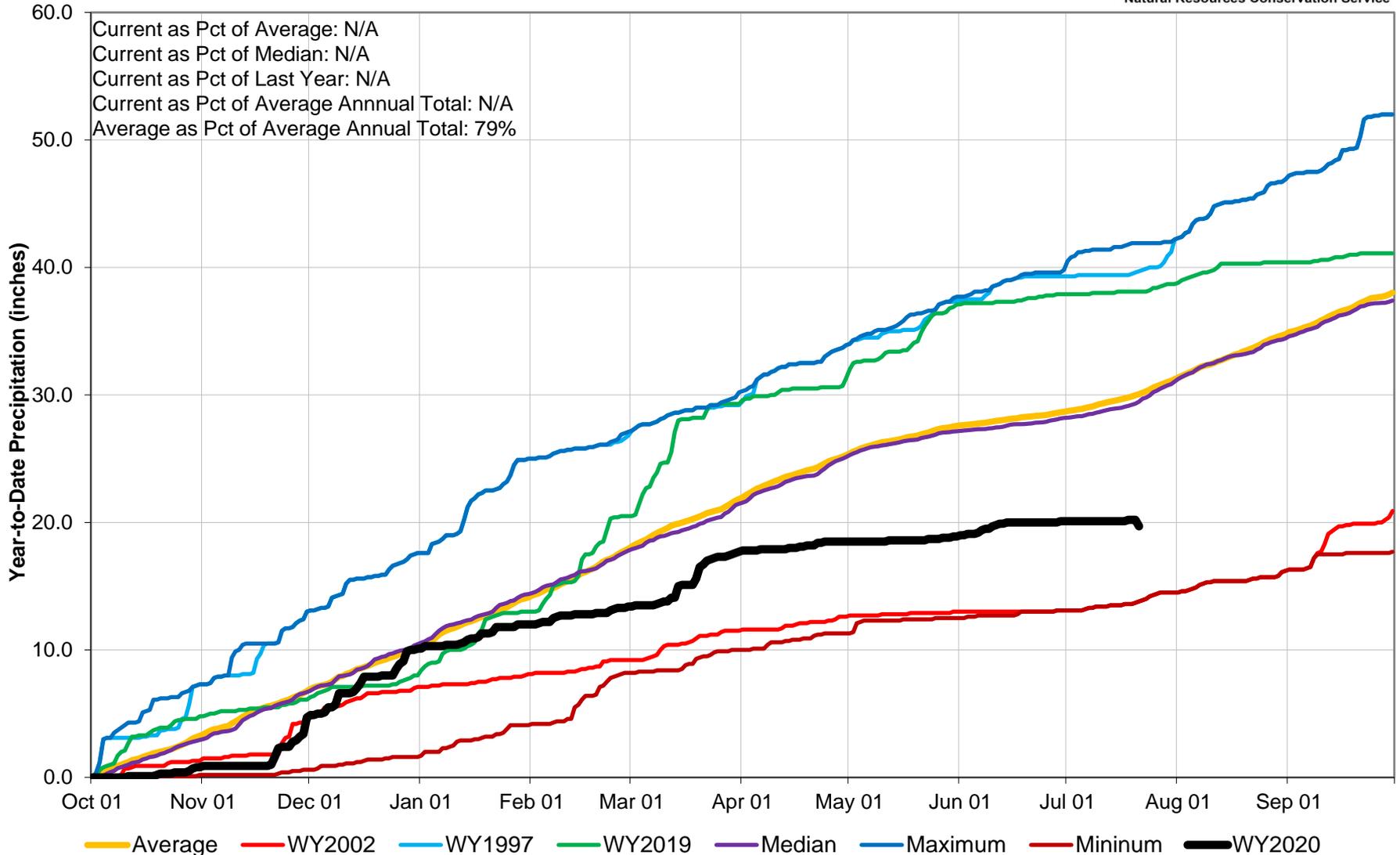


## San Miguel, Dolores, Animas, and San Juan River Basins Month to Date Precipitation Summary Current as of Jul 22, 2020



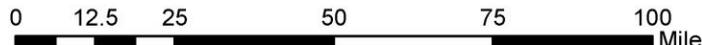
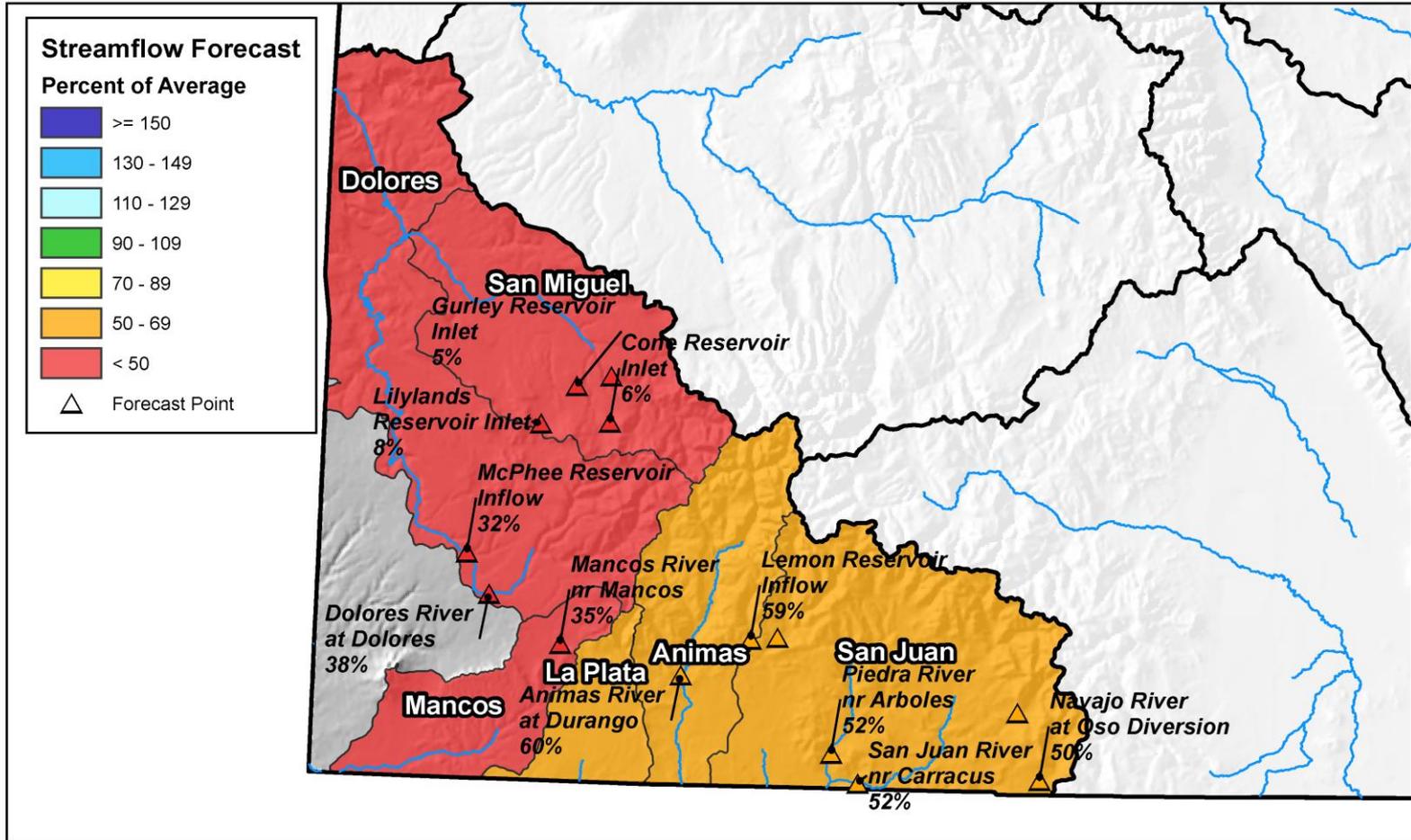
## San Miguel, Dolores, Animas and San Juan River Basins High/Low Year-to-Date Precipitation Summary

*Based on Provisional SNOTEL data as of Jul 22, 2020*

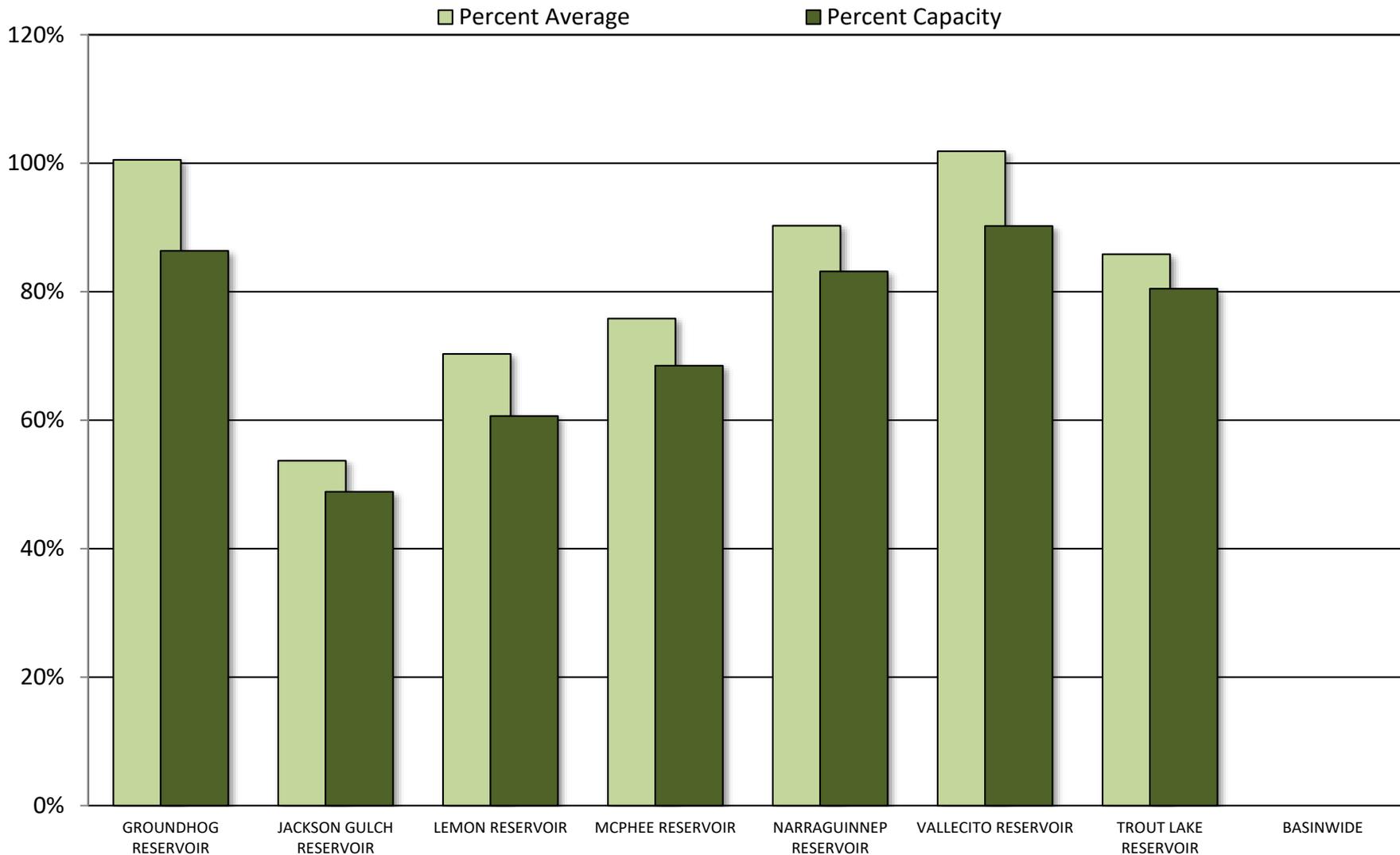


## San Miguel, Dolores, Animas, and San Juan River Basins Streamflow Forecast Summary

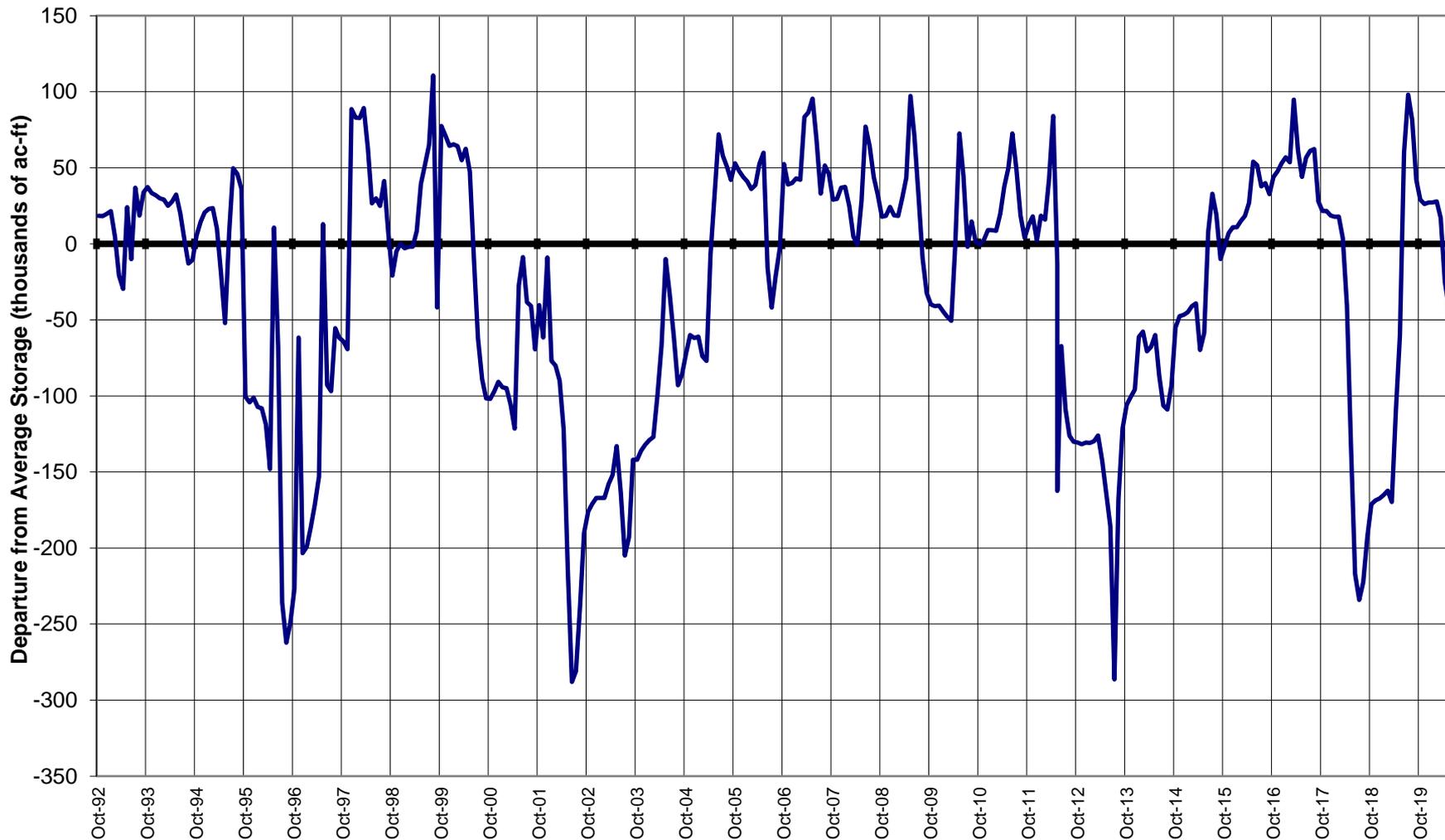
June 1, 2020



## Reservoir Storage



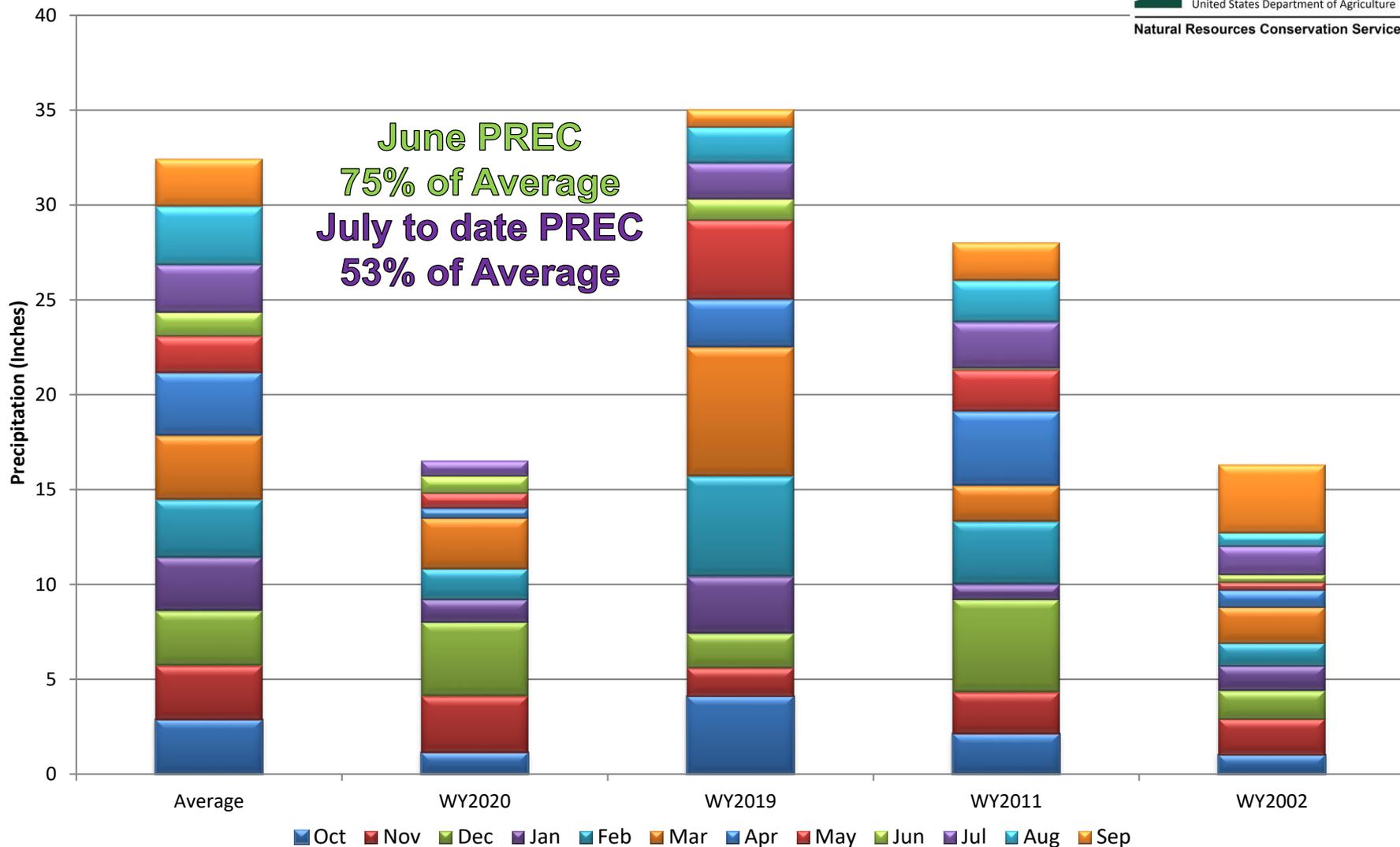
**SAN MIGUEL, DOLORES, ANIMAS AND SAN JUAN RIVER BASINS**  
**Reservoir Storage**  
**Departure from Average**





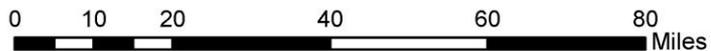
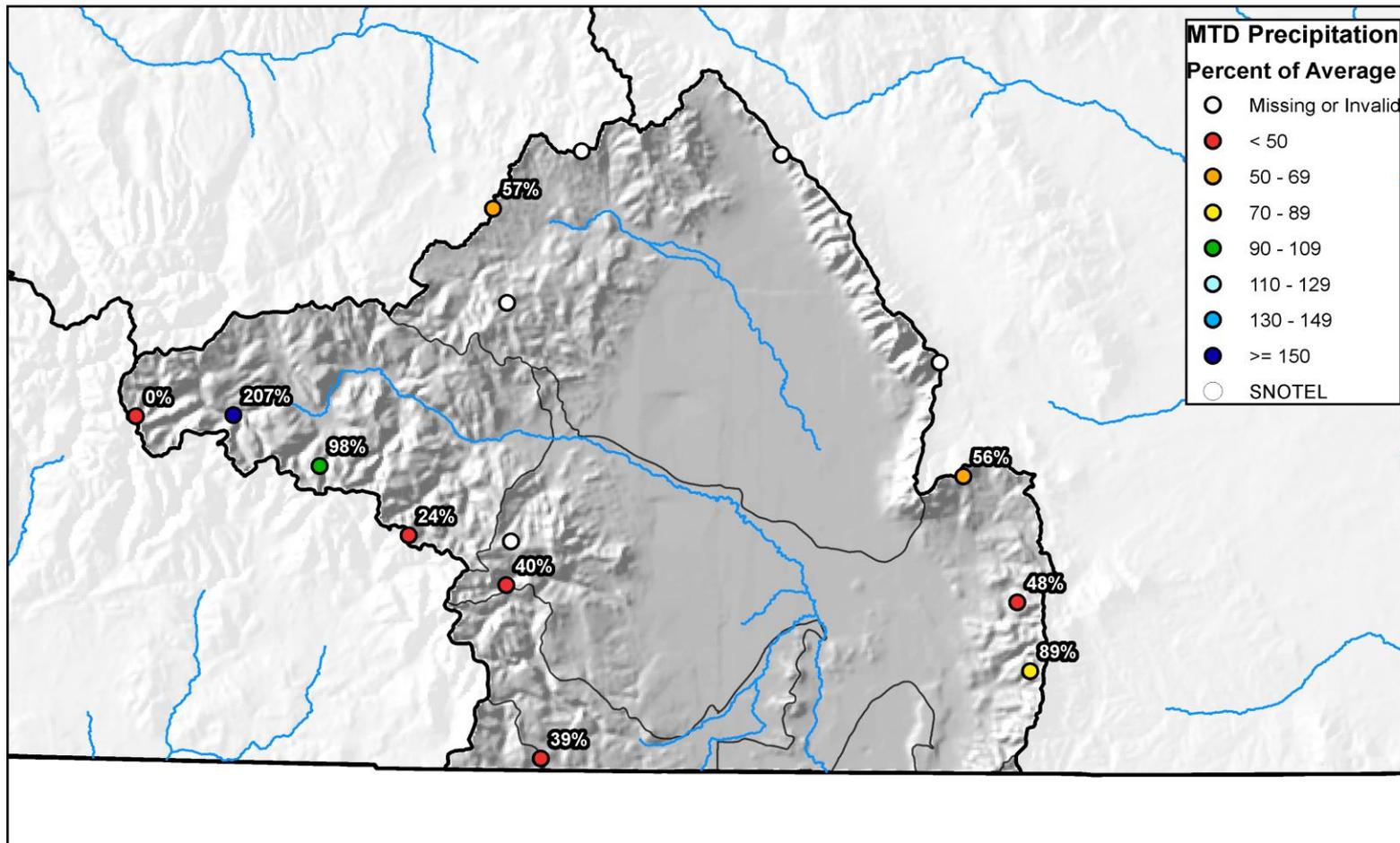
## Upper Rio Grande River Basin High/Low Monthly Precipitation Summary

*Based on Provisional SNOTEL data as of Jul 22, 2020*



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

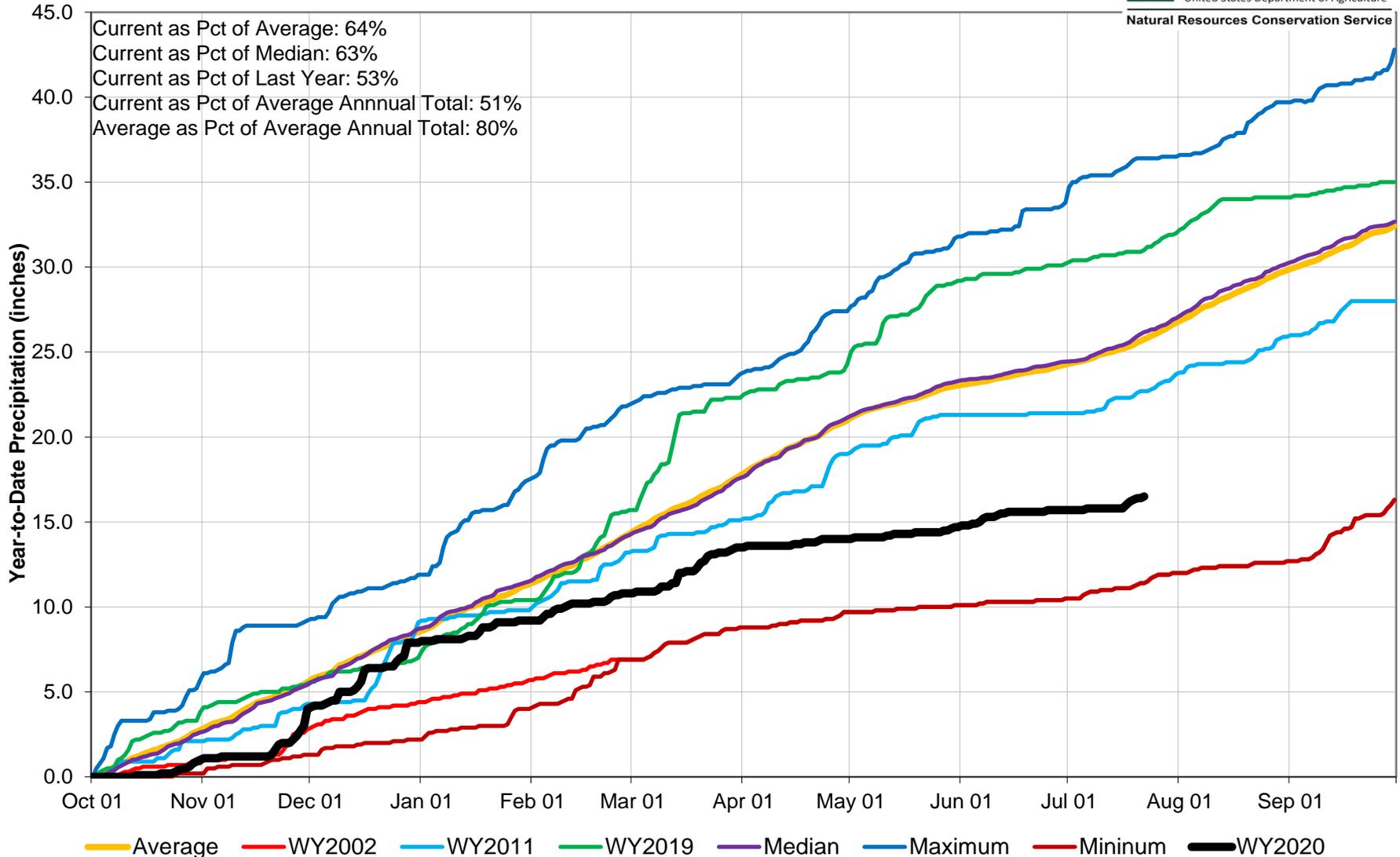
Current as of Jul 22, 2020



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

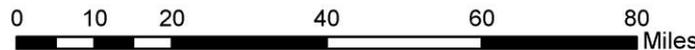
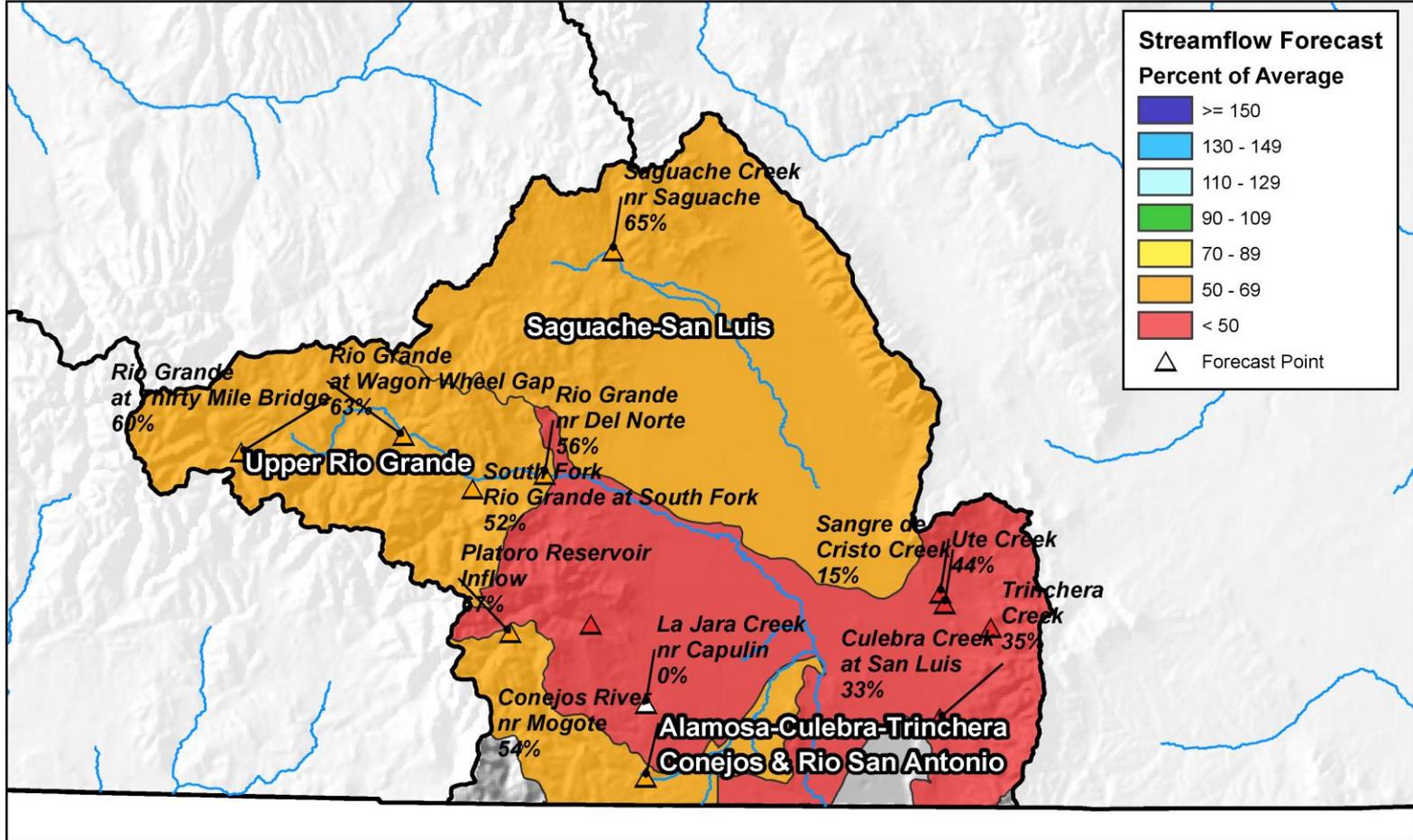
*Based on Provisional SNOTEL data as of Jul 22, 2020*

USDA  
United States Department of Agriculture  
Natural Resources Conservation Service

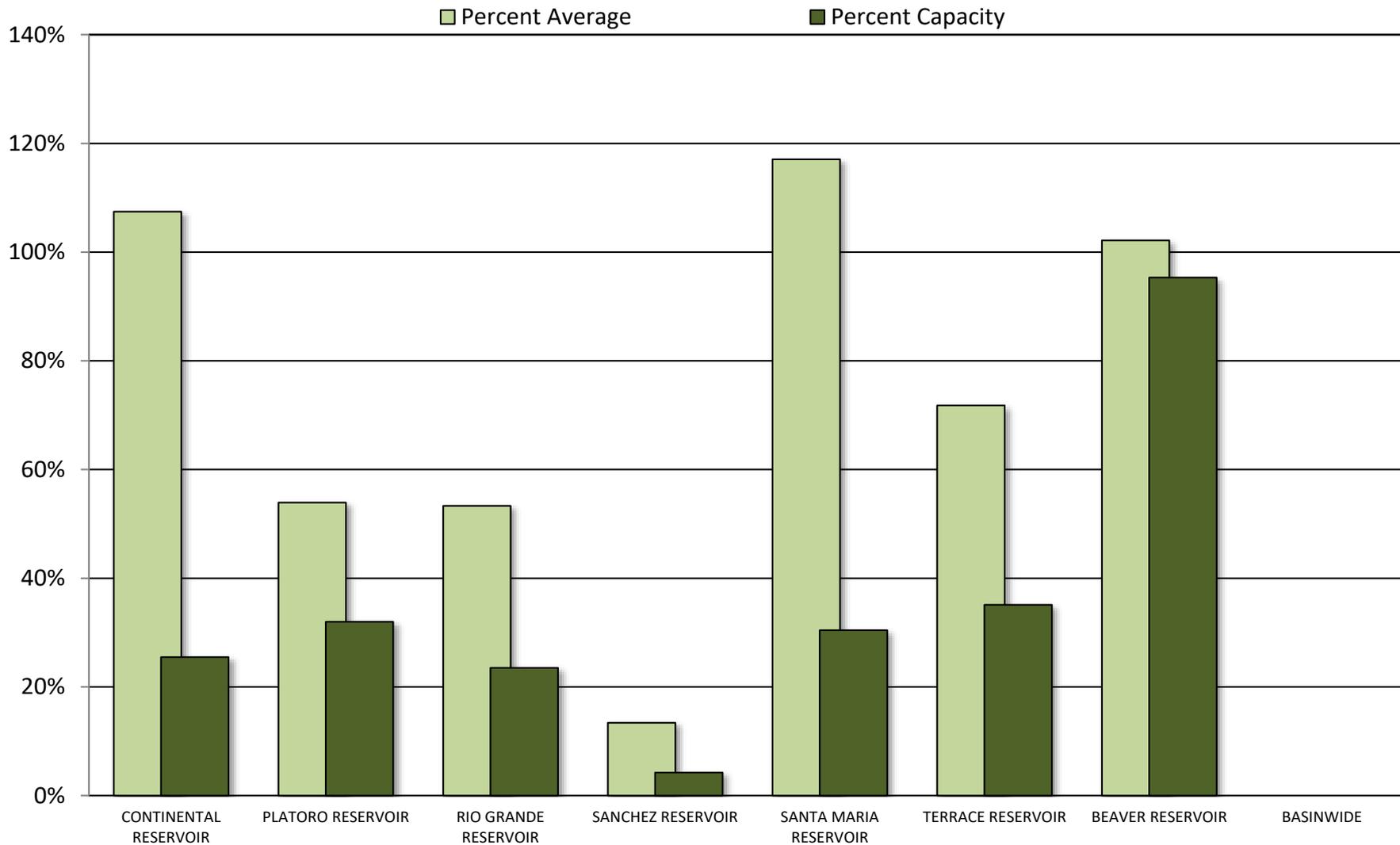


## Upper Rio Grande River Basin Streamflow Forecast Summary

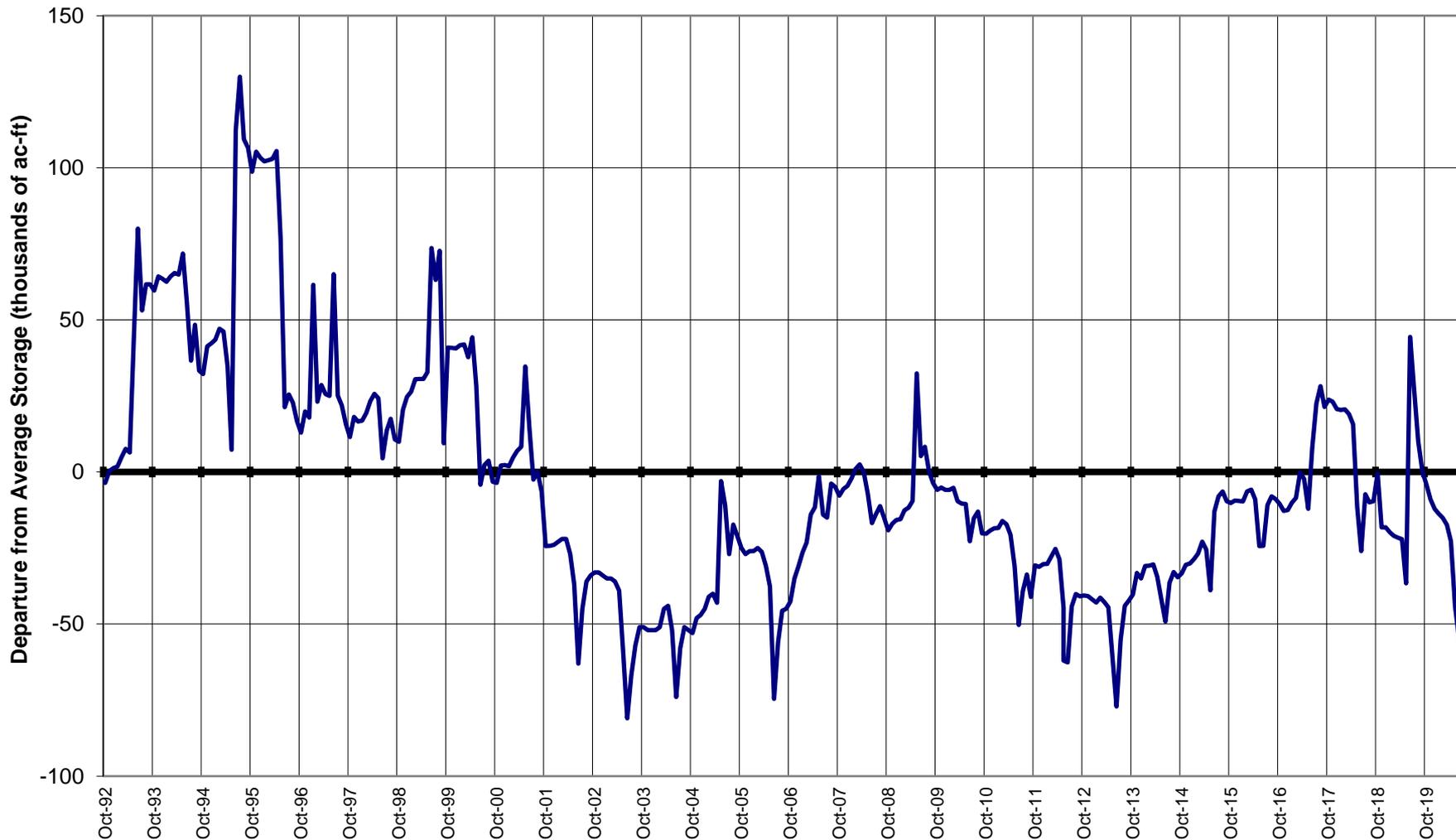
June 1, 2020



## Reservoir Storage

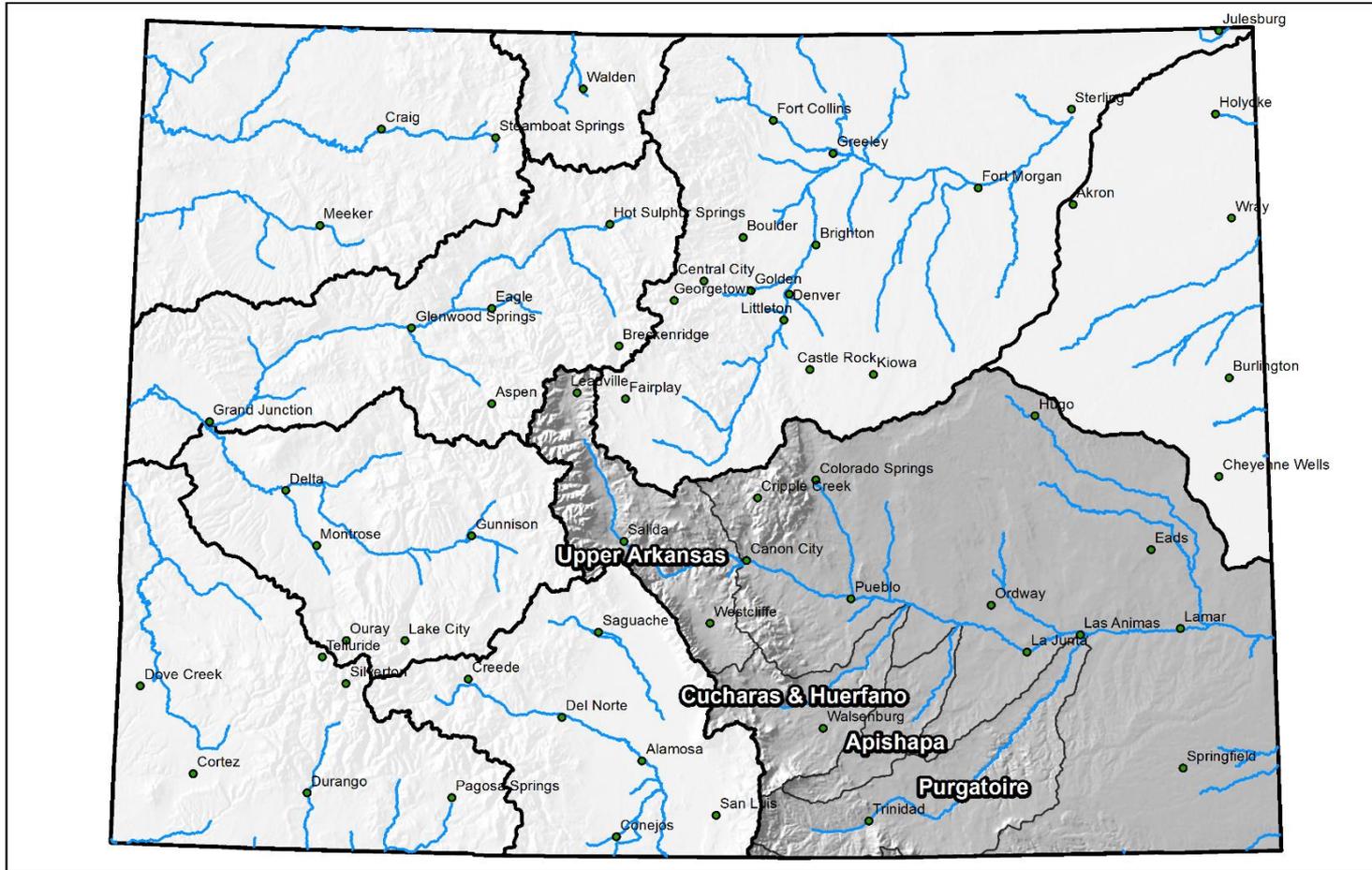


## UPPER RIO GRANDE BASIN Reservoir Storage Departure from Average



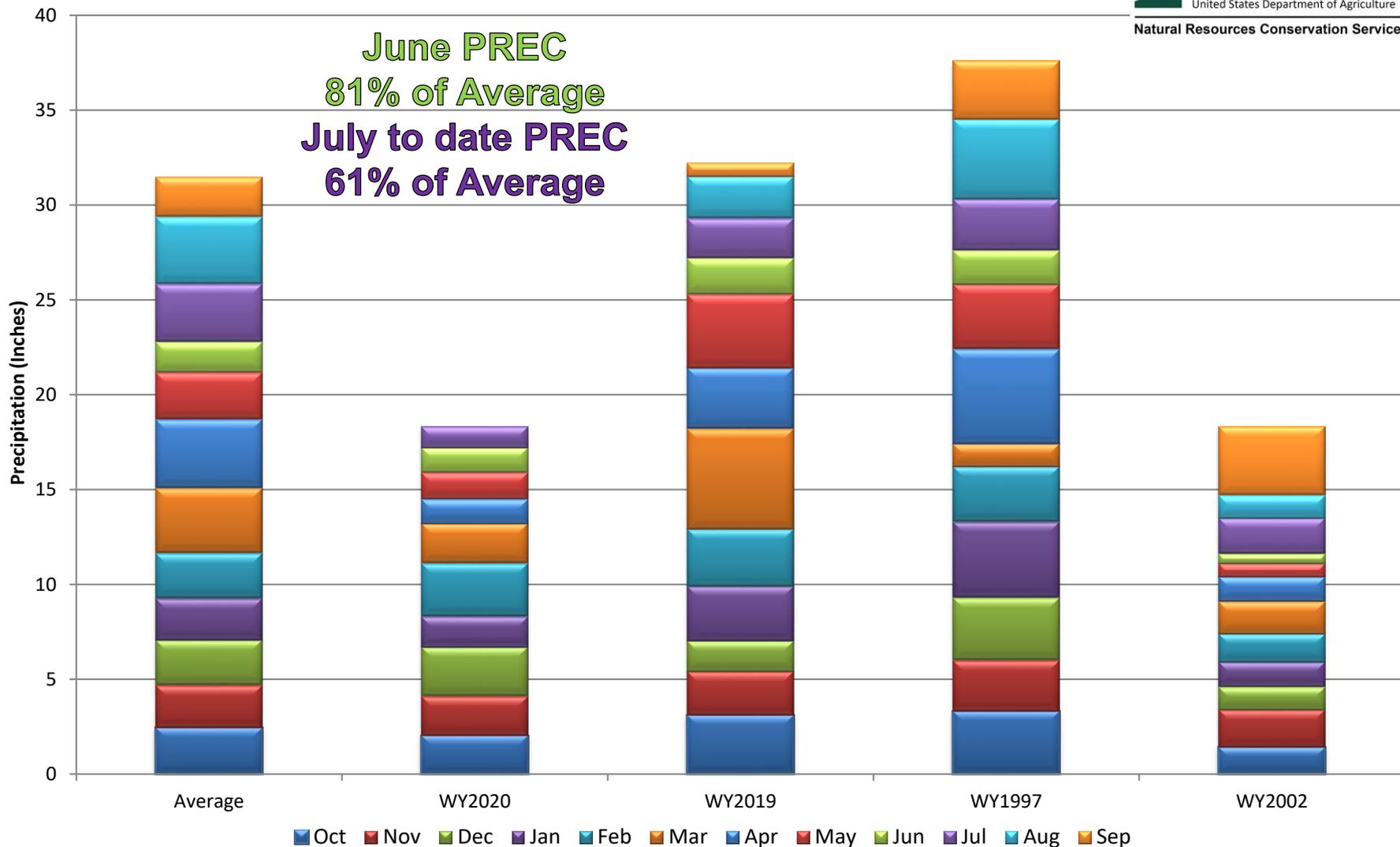
## Major Basin Summary

### Arkansas River Basin



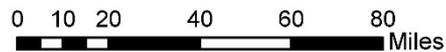
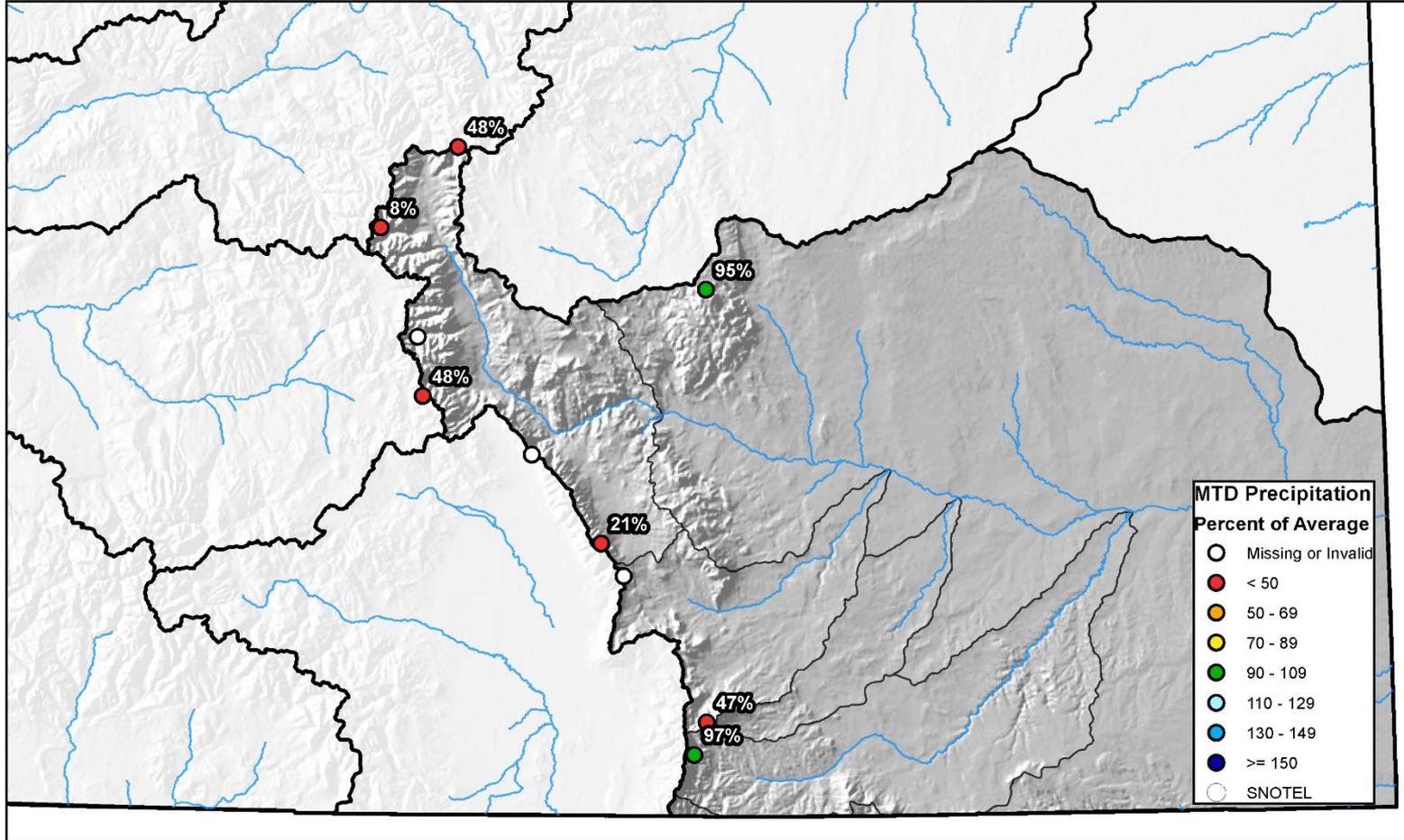
## Arkansas River Basin High/Low Monthly Precipitation Summary

*Based on Provisional SNOTEL data as of Jul 22, 2020*



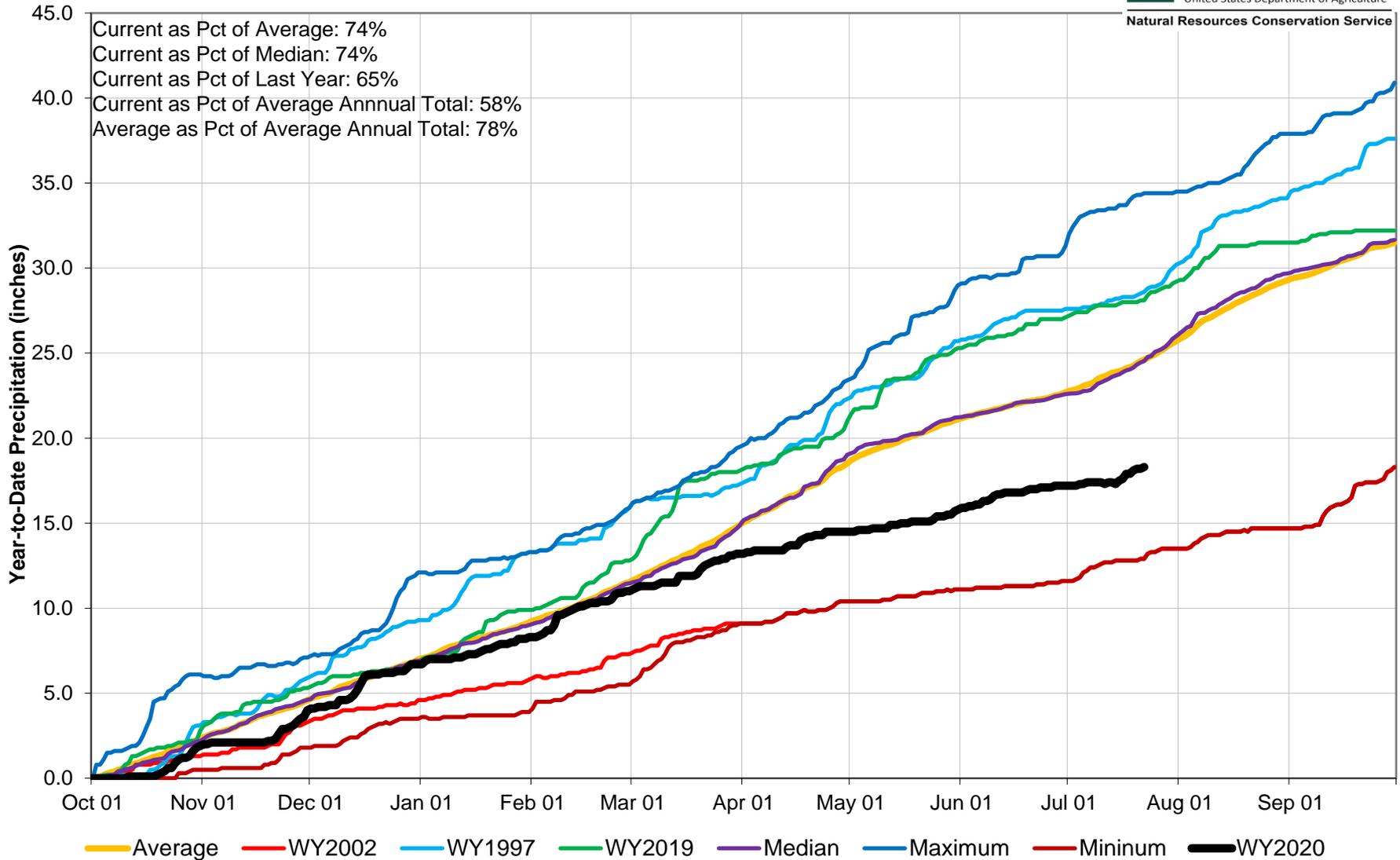
## Arkansas River Basin Month to Date Precipitation Summary

Current as of Jul 22, 2020



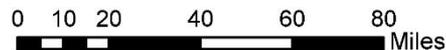
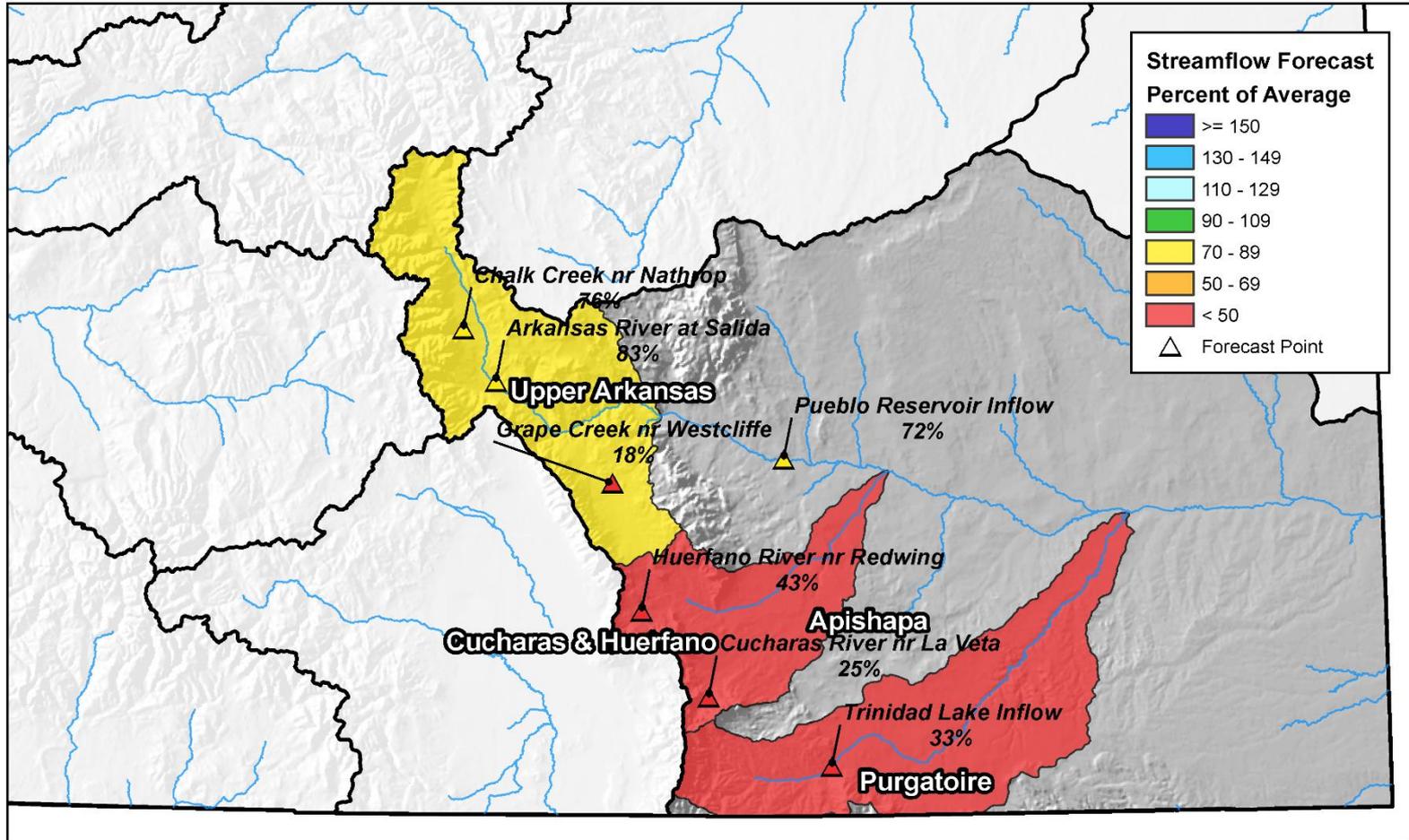
## Arkansas River Basin High/Low Year-to-Date Precipitation Summary

*Based on Provisional SNOTEL data as of Jul 22, 2020*

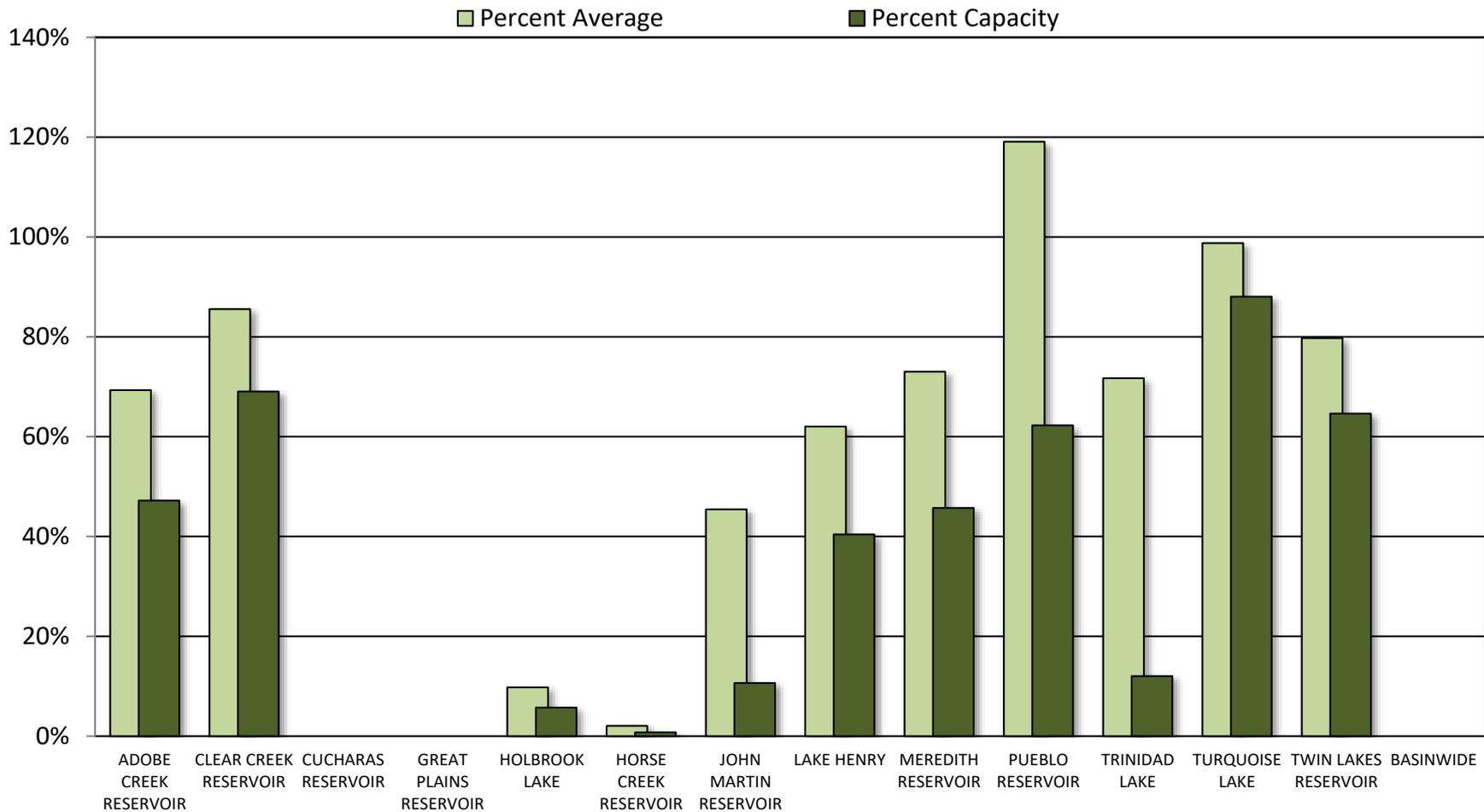


## Arkansas River Basin Streamflow Forecast Summary

June 1, 2020

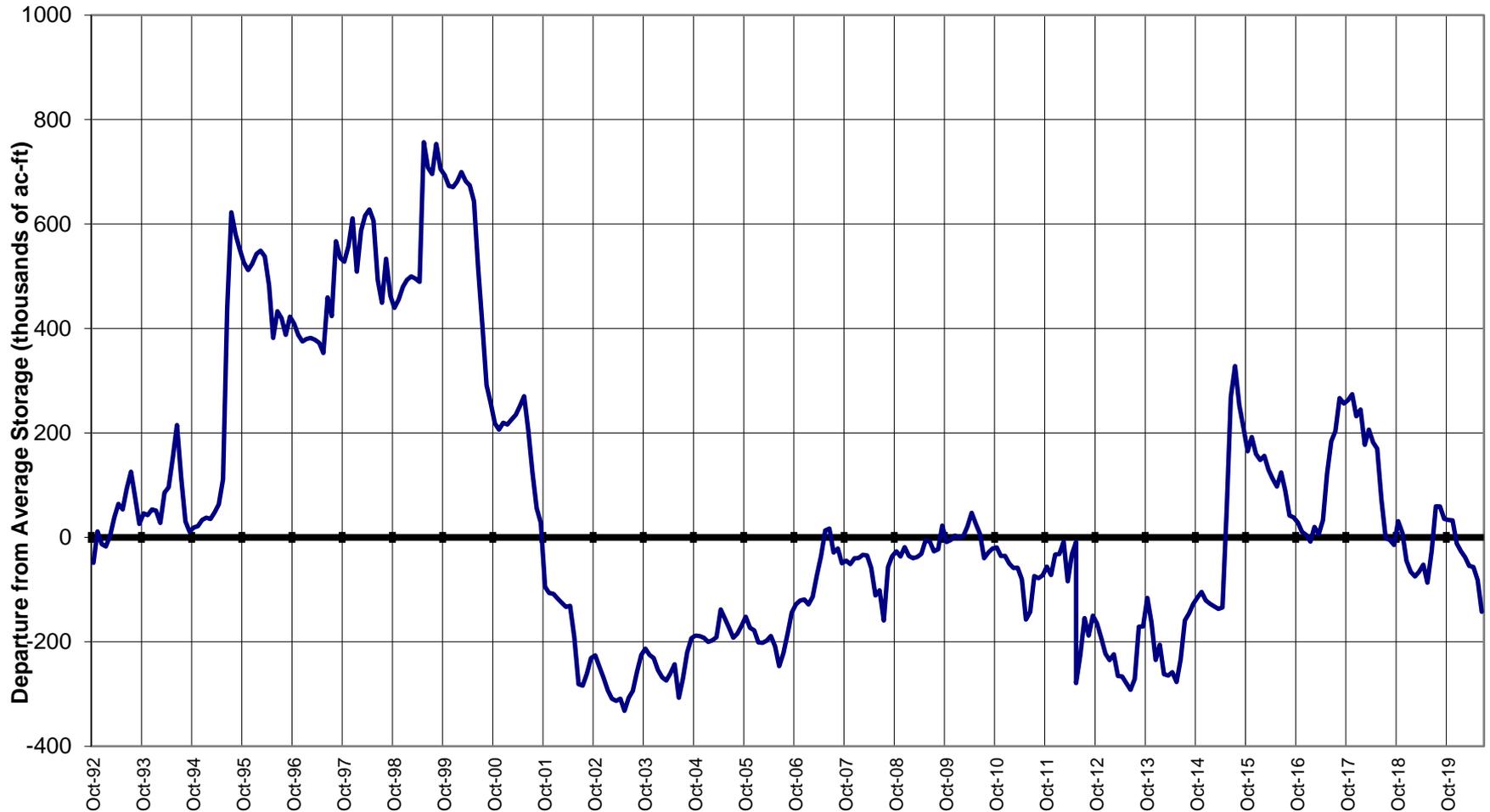


## Reservoir Storage



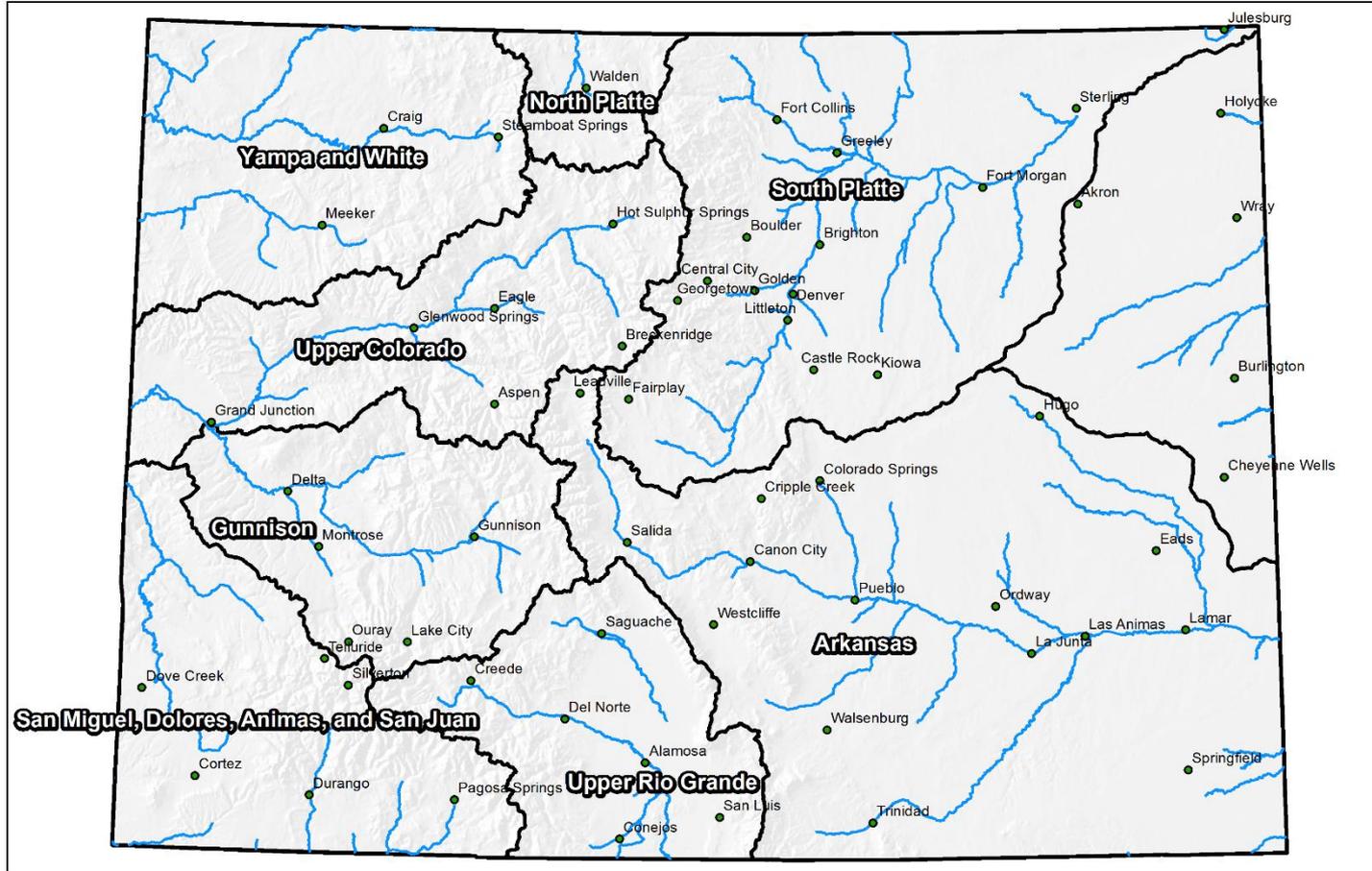


## ARKANSAS RIVER BASIN Reservoir Storage Departure from Average



## Colorado Statewide Summary

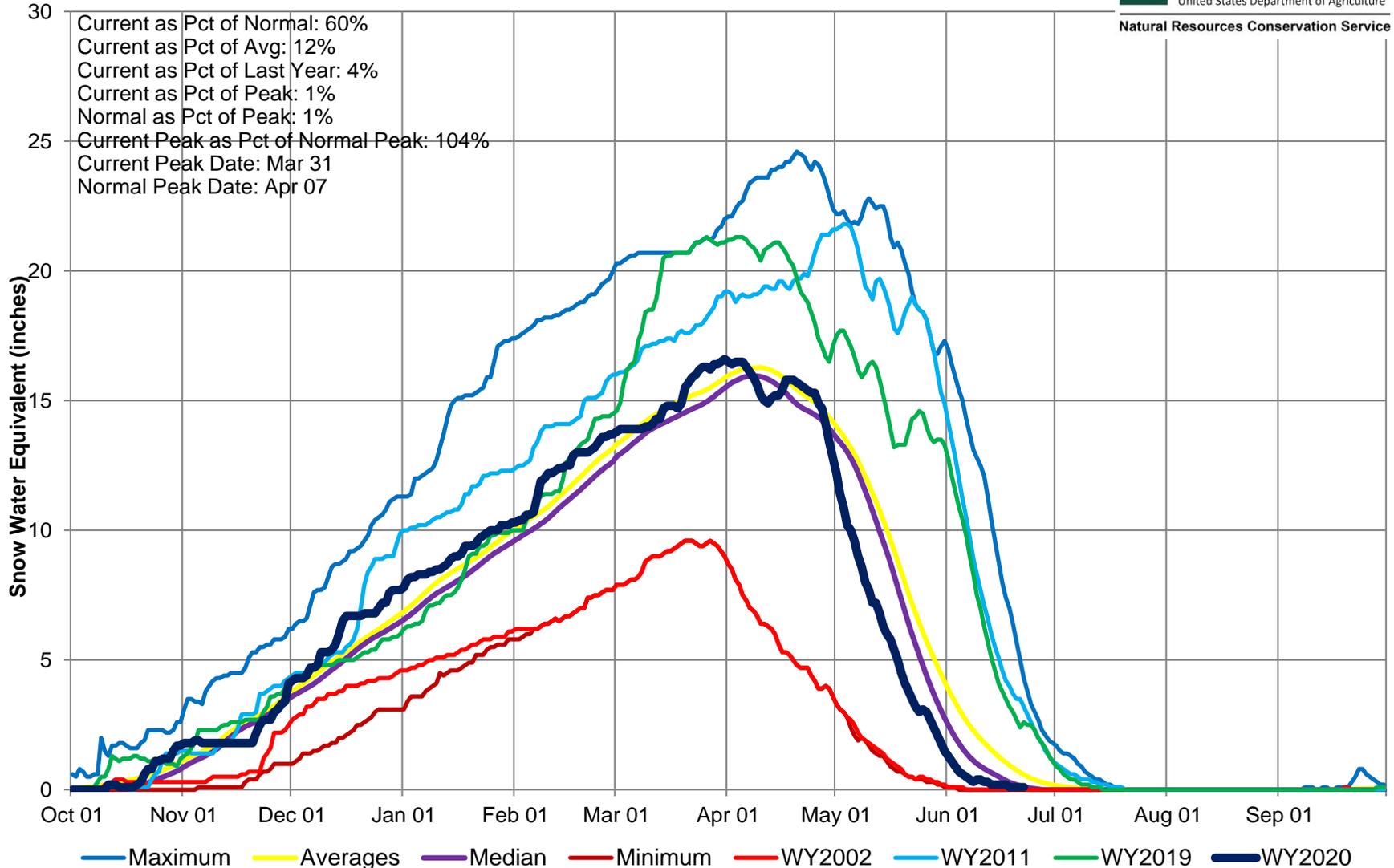
Colorado Major Basins





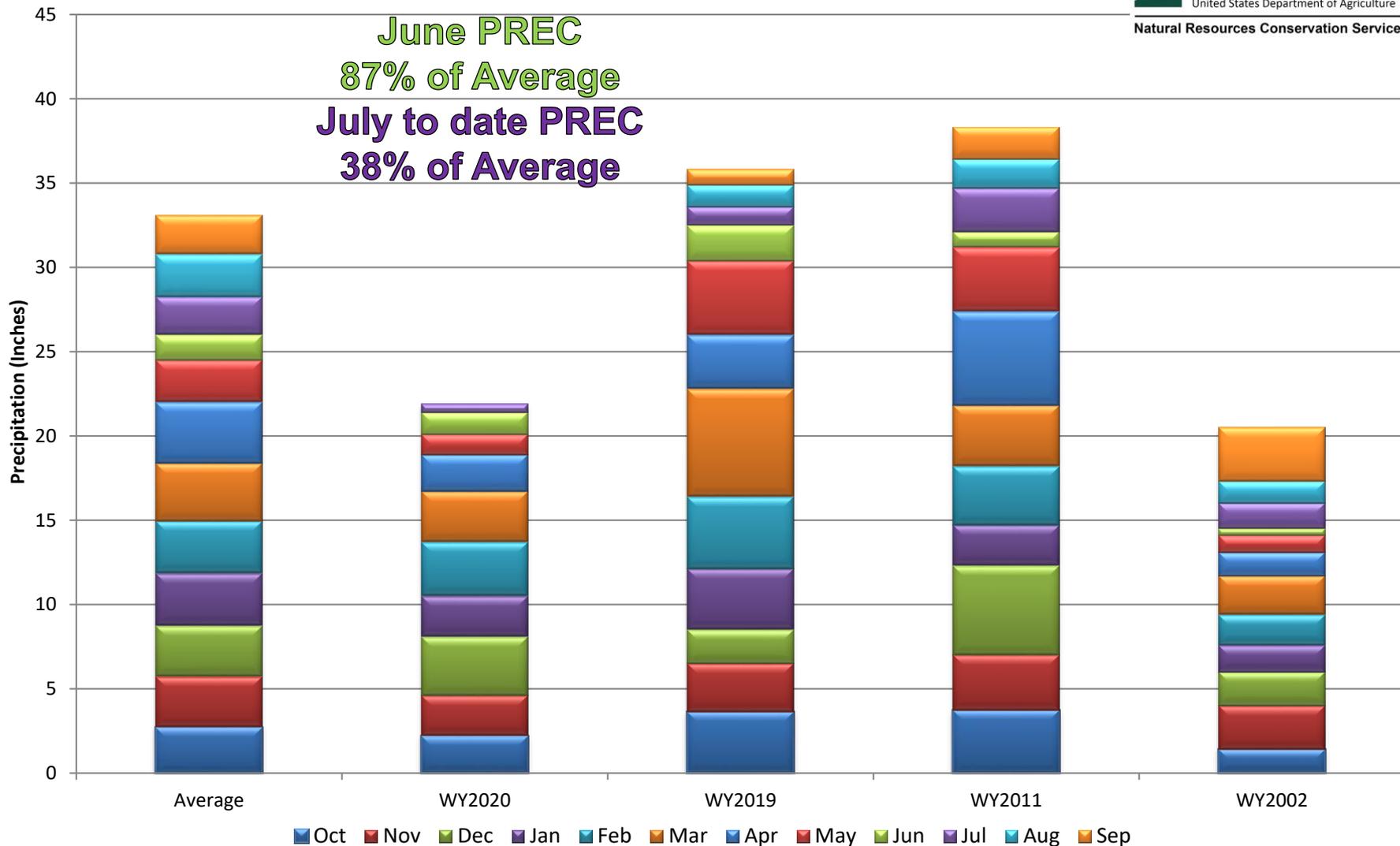
## Colorado Statewide High/Low Snowpack Summary

*Based on Provisional SNOTEL data as of Jun 22, 2020*

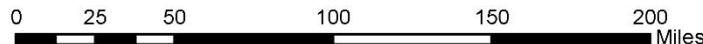
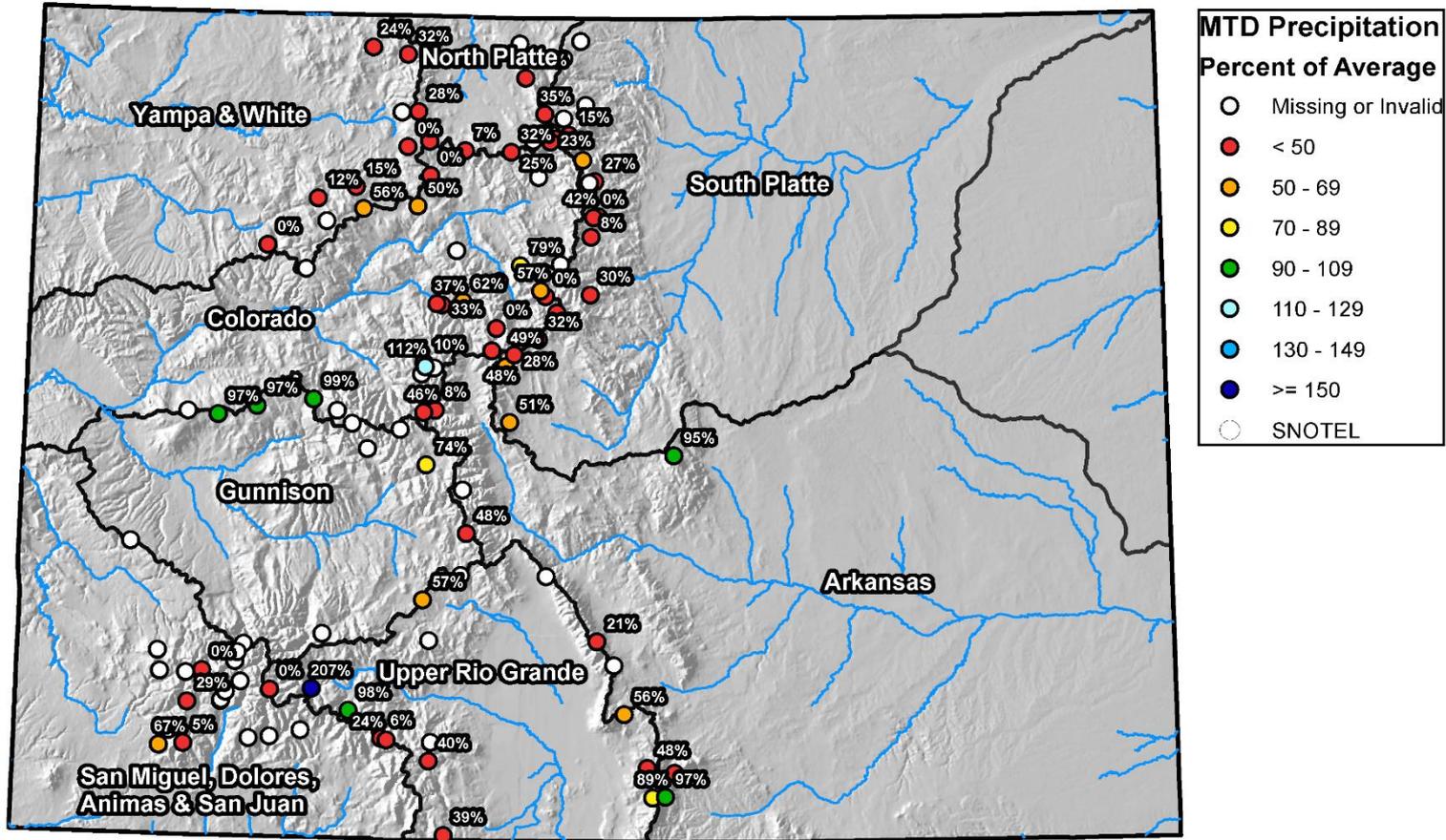


## Colorado Statewide High/Low Monthly Precipitation Summary

*Based on Provisional SNOTEL data as of Jul 22, 2020*

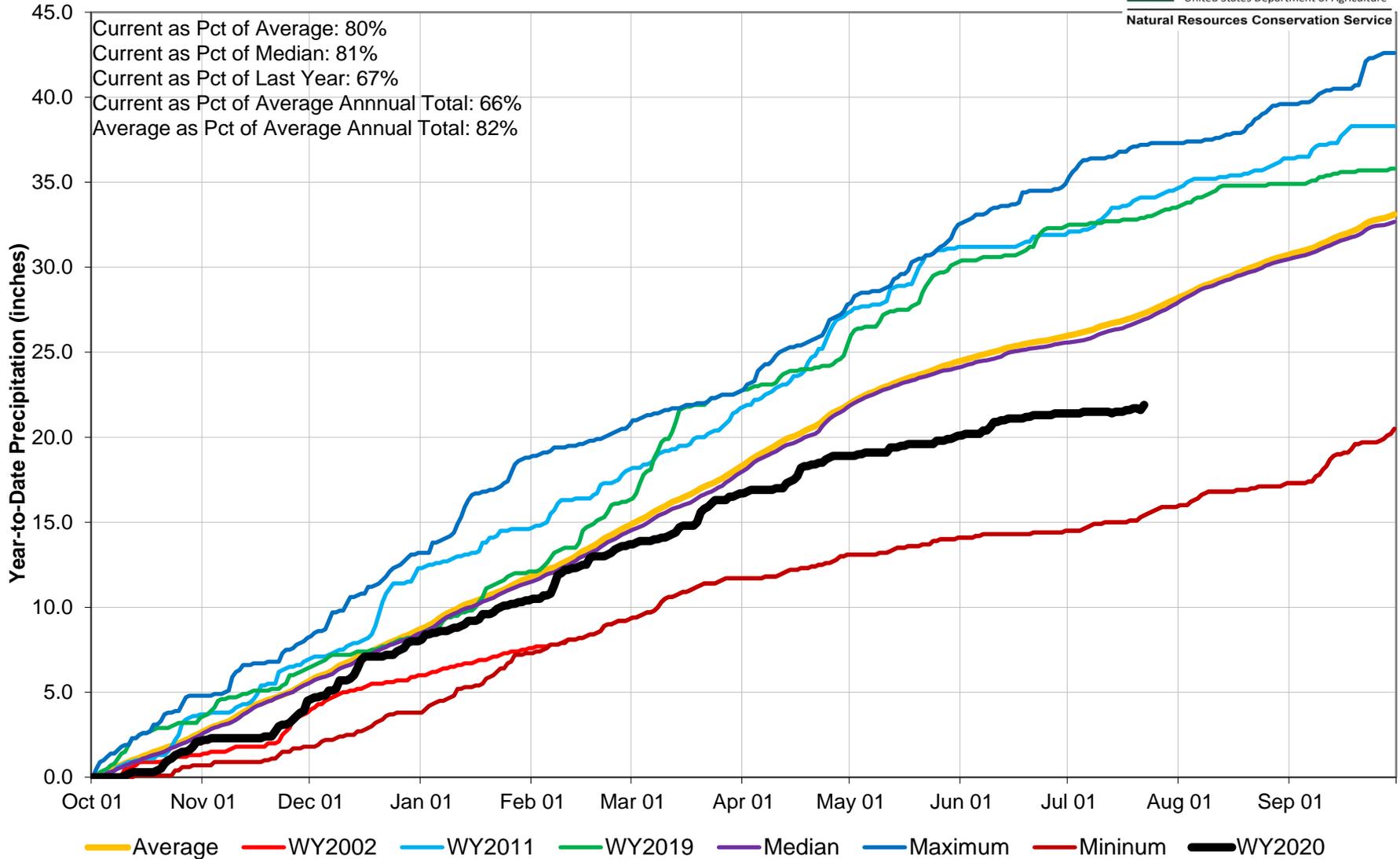


## Colorado SNOTEL Month-to-Date Precipitation Current as of Jul 22, 2020



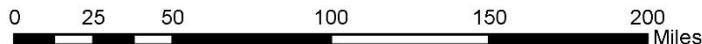
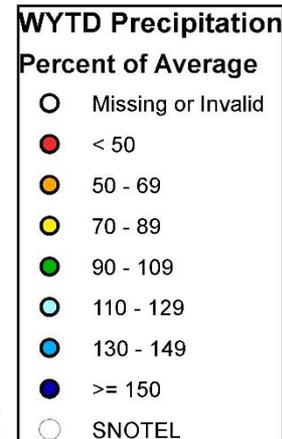
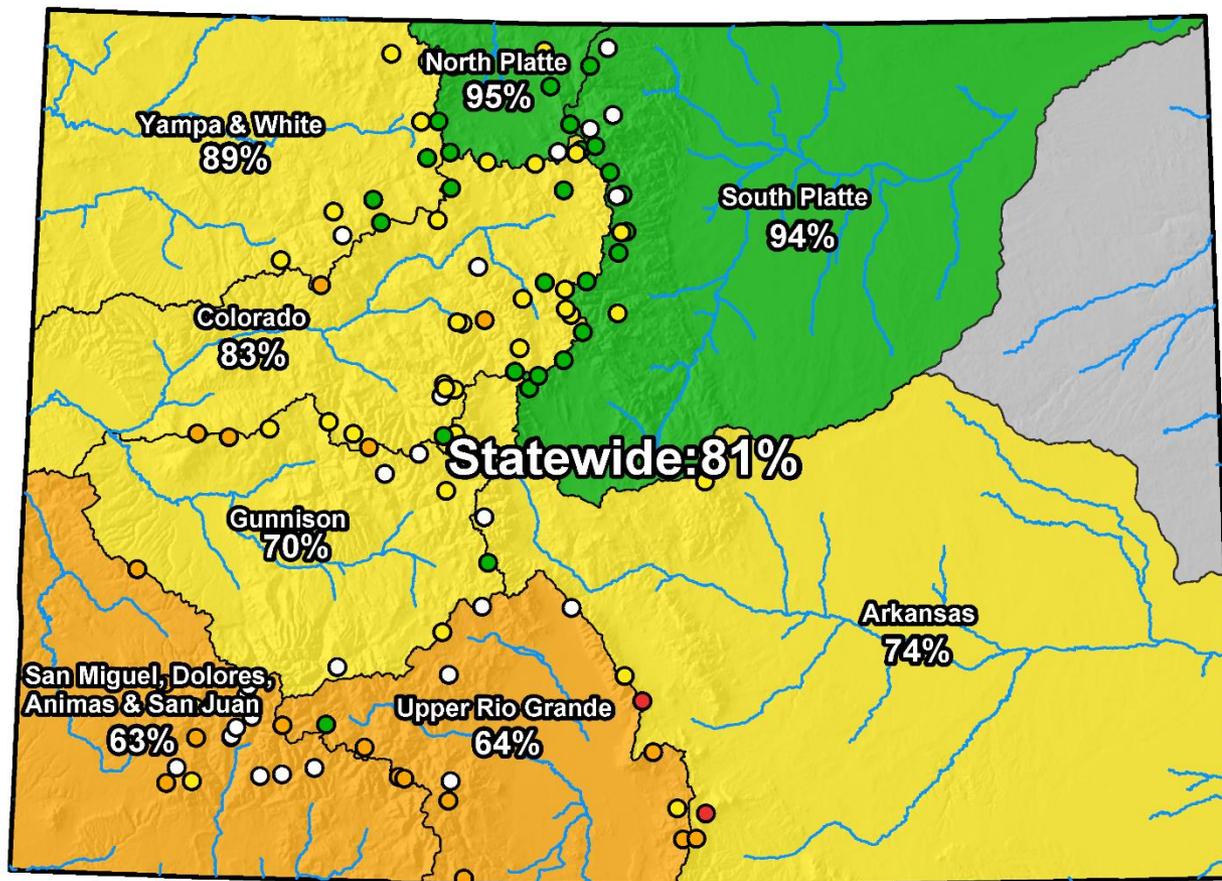
## Colorado Statewide High/Low Year-to-Date Precipitation Summary

*Based on Provisional SNOTEL data as of Jul 22, 2020*

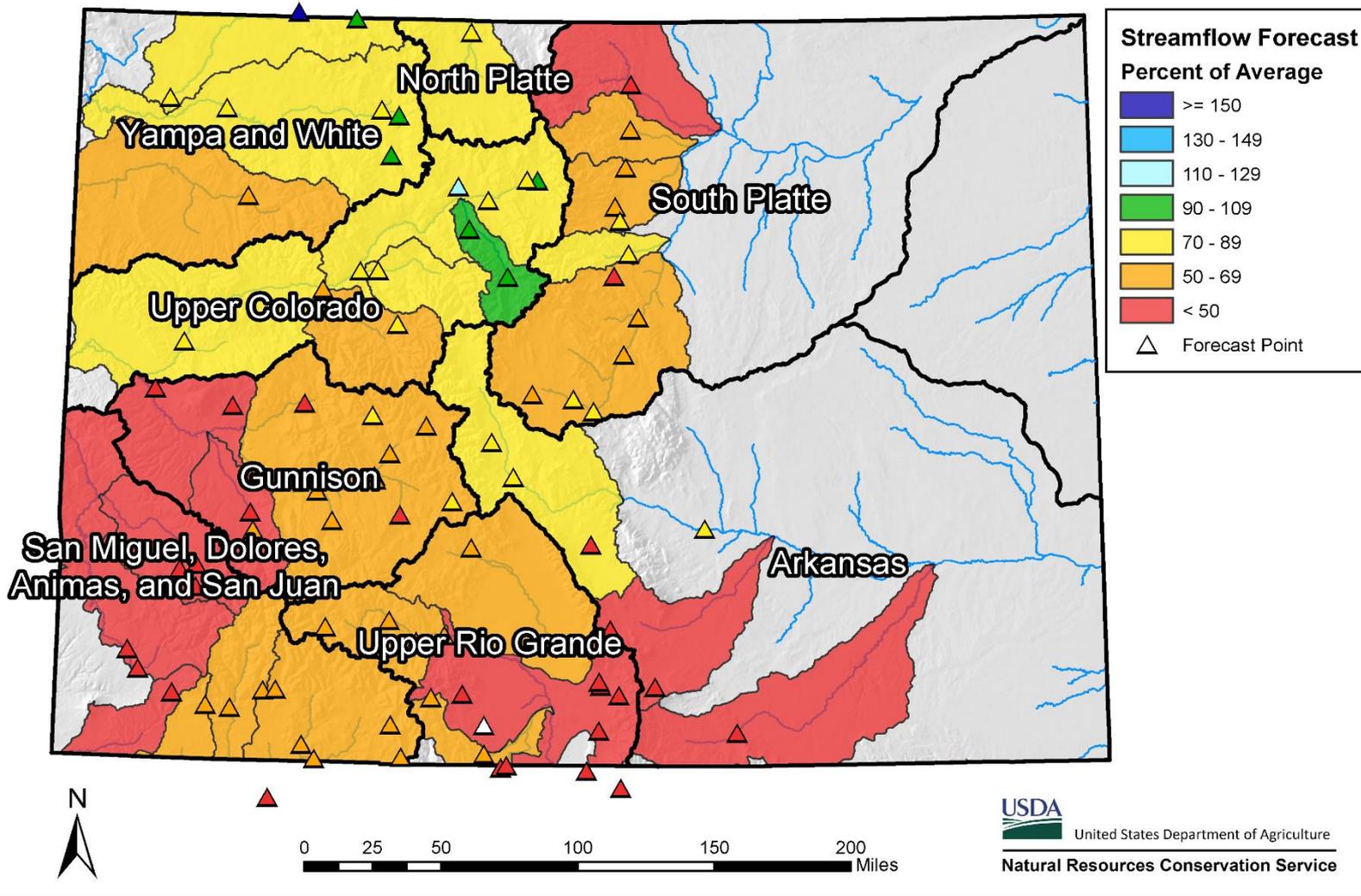


## Colorado SNOTEL Water Year to Date Precipitation

Current as of Jul 22, 2020

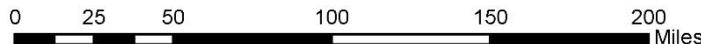
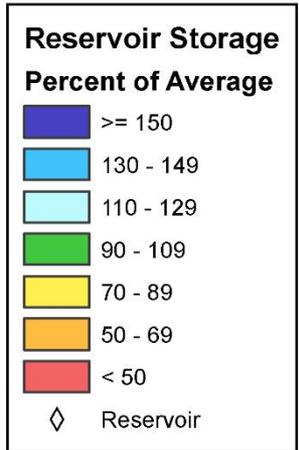
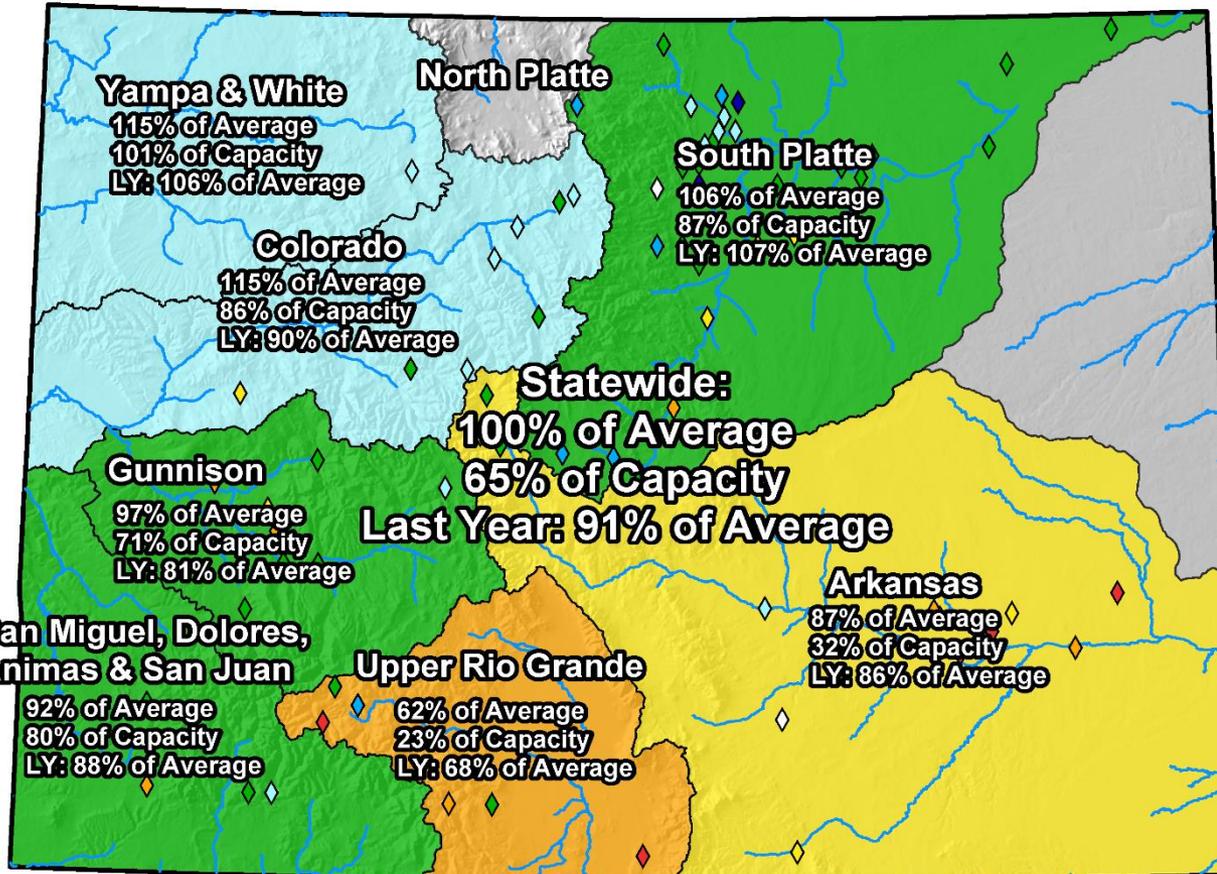


## Colorado Streamflow Forecasts Summary June 1, 2020



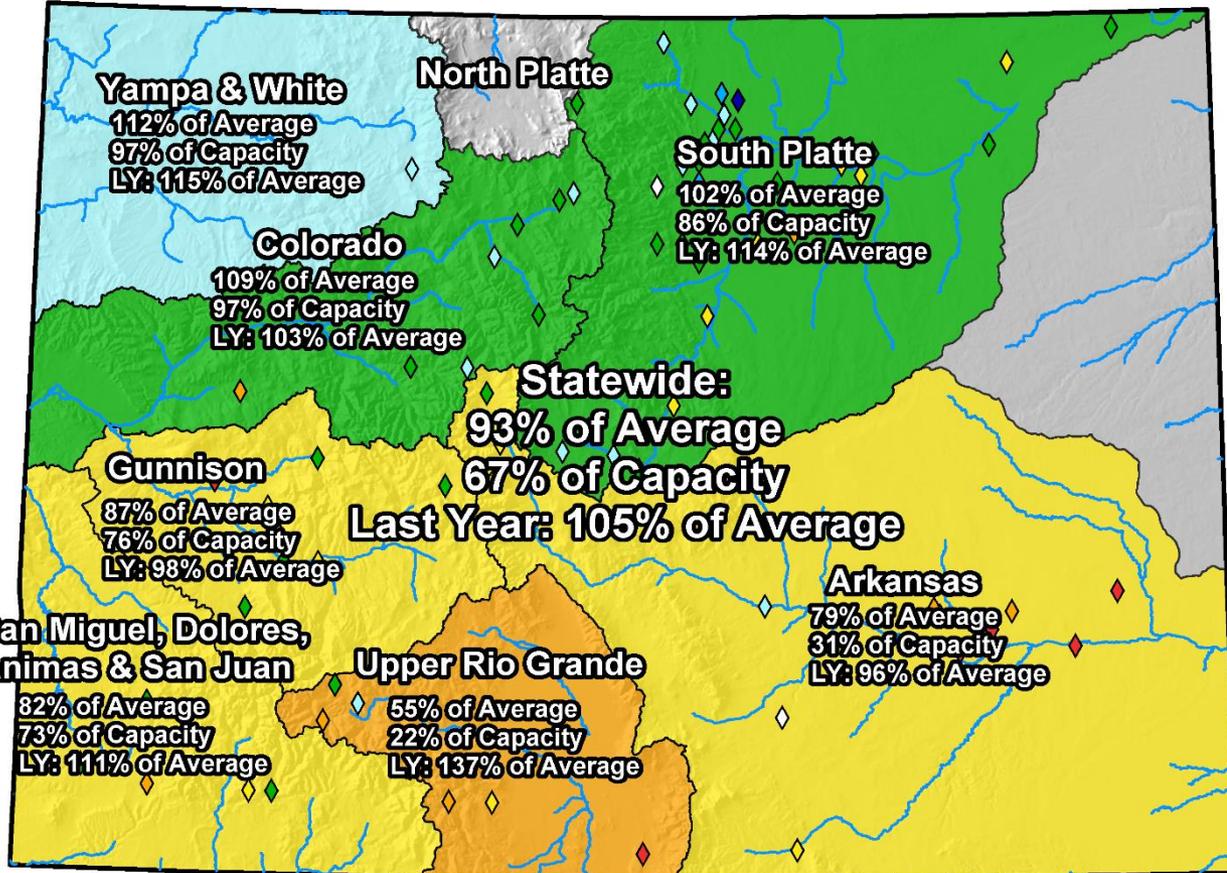
## Colorado Monthly Reservoir Storage Summary

End of May 2020



## Colorado Monthly Reservoir Storage Summary

End of June 2020



**Reservoir Storage Percent of Average**

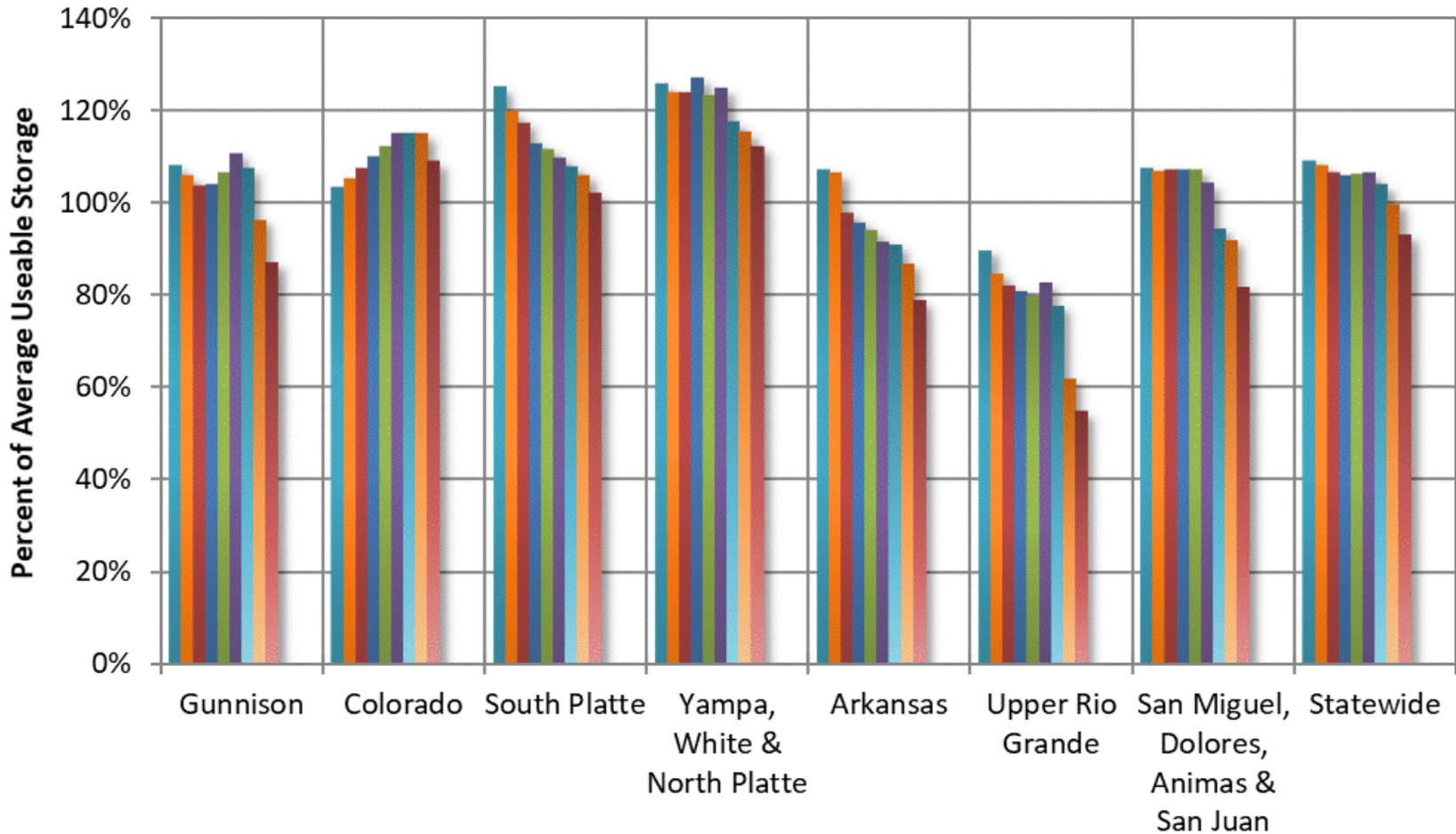
- >= 150
- 130 - 149
- 110 - 129
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- 70 - 89
- 50 - 69
- < 50

◇ Reservoir



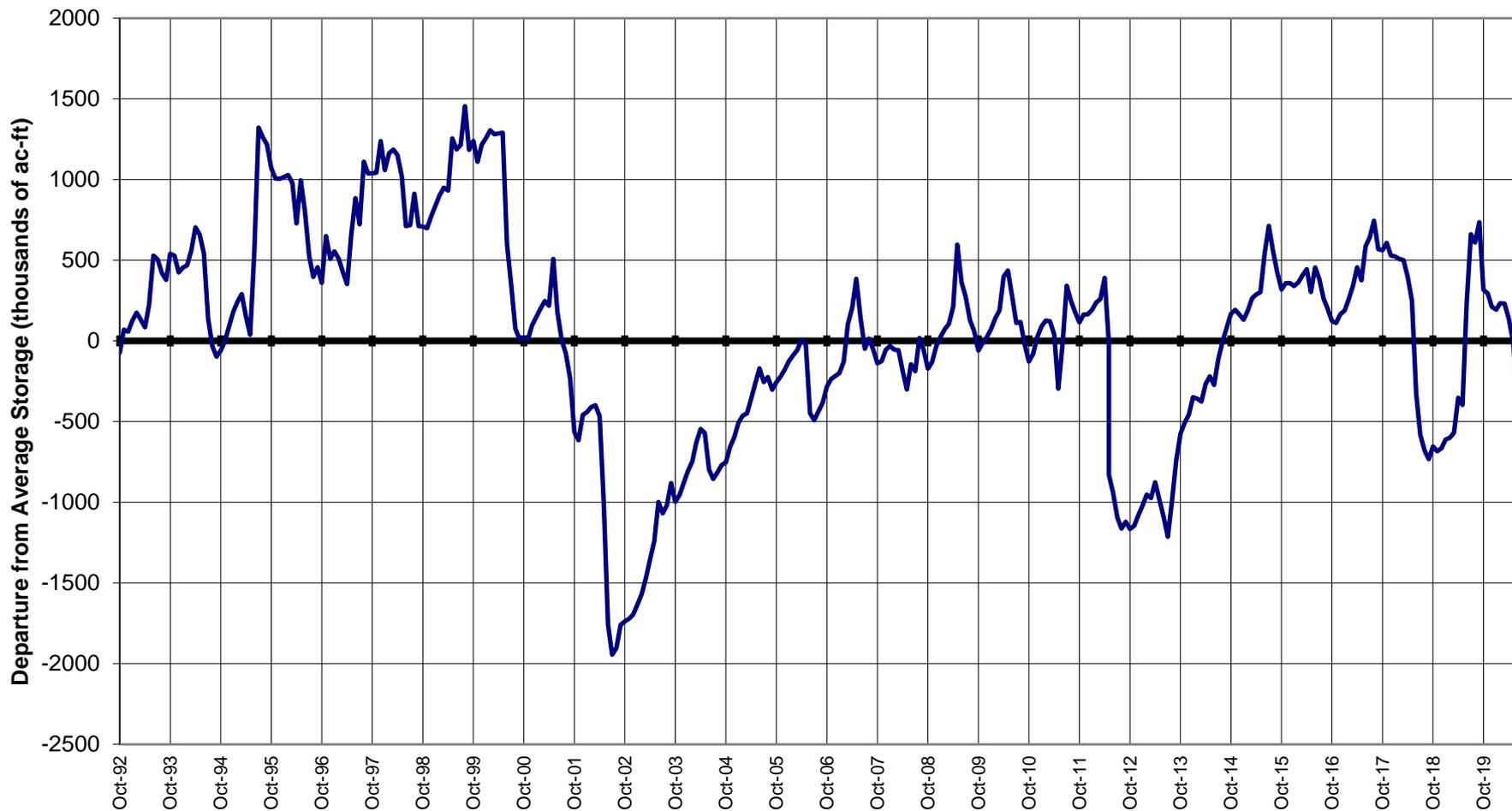
## Colorado Reservoir Storage

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

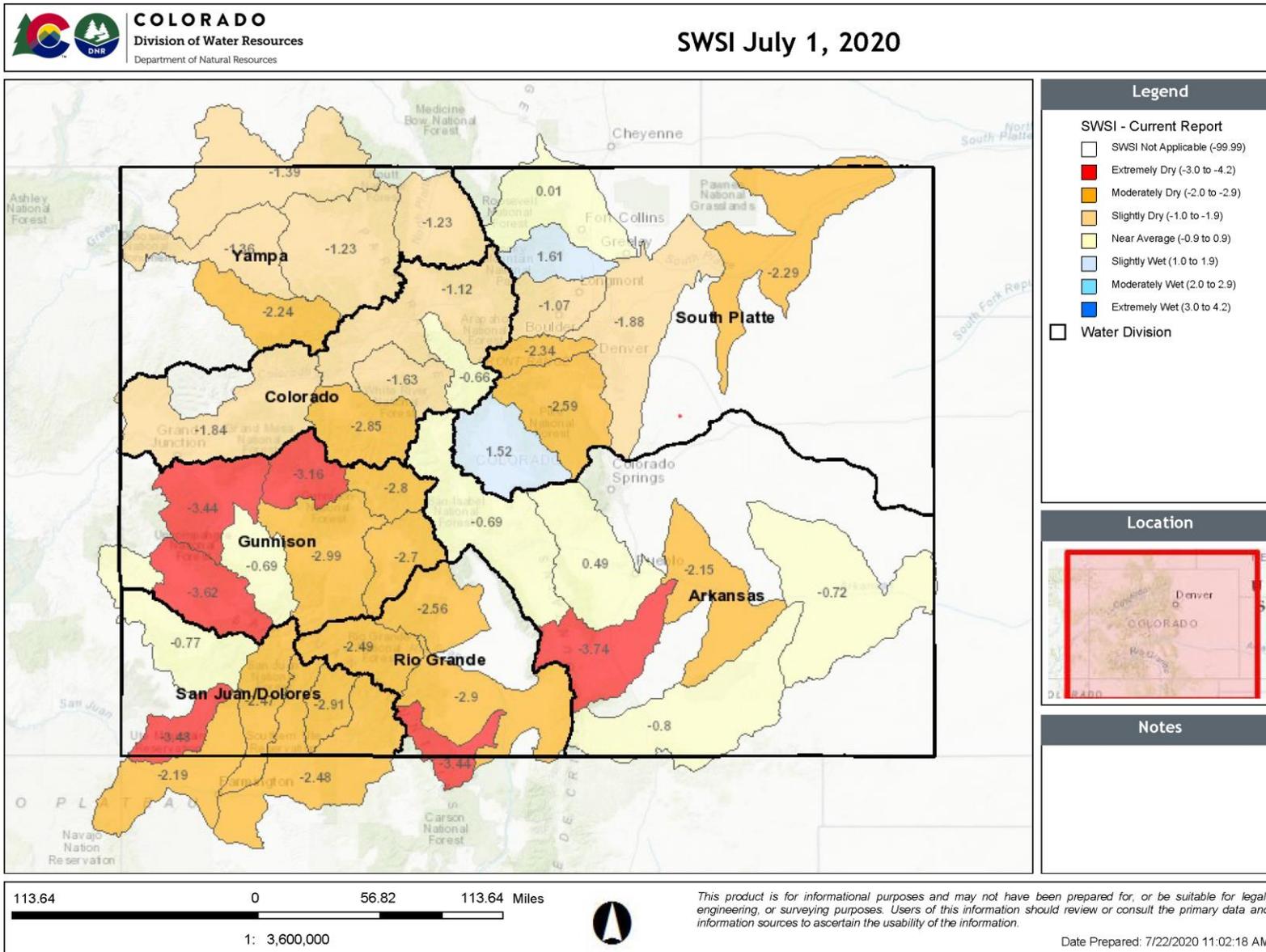




## COLORADO STATEWIDE Reservoir Storage Departure from Average



July 1, 2020 SWSI



# Summary

- Statewide mountain precipitation in June was slightly below average at 87%. July to date at estimated 38% of average
- July precipitation best in Arkansas and Southern portion of state minimal in the Northern and Western portion of the state
- Water Year to date precipitation is 80% of average – down three percentage points since last presentation
- Basin-wide reservoir storage fell seven percentage points
  - Better than average in Northern Colorado
  - Below average in Southern Colorado
  - Rio Grande Basin wide storage 55% of average – Lowest in State



# Water Availability Task Force Meeting

July 23<sup>rd</sup>, 2020

## NRCS Snow Survey and Water Supply Forecasting Program

Brian Domonkos

Hydrologist

Colorado Snow Survey Supervisor

720-544-2852

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



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