



# Water Availability Task Force Meeting

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

### NRCS Snow Survey and Water Supply Forecasting Program

Brian Domonkos

Hydrologist

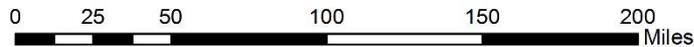
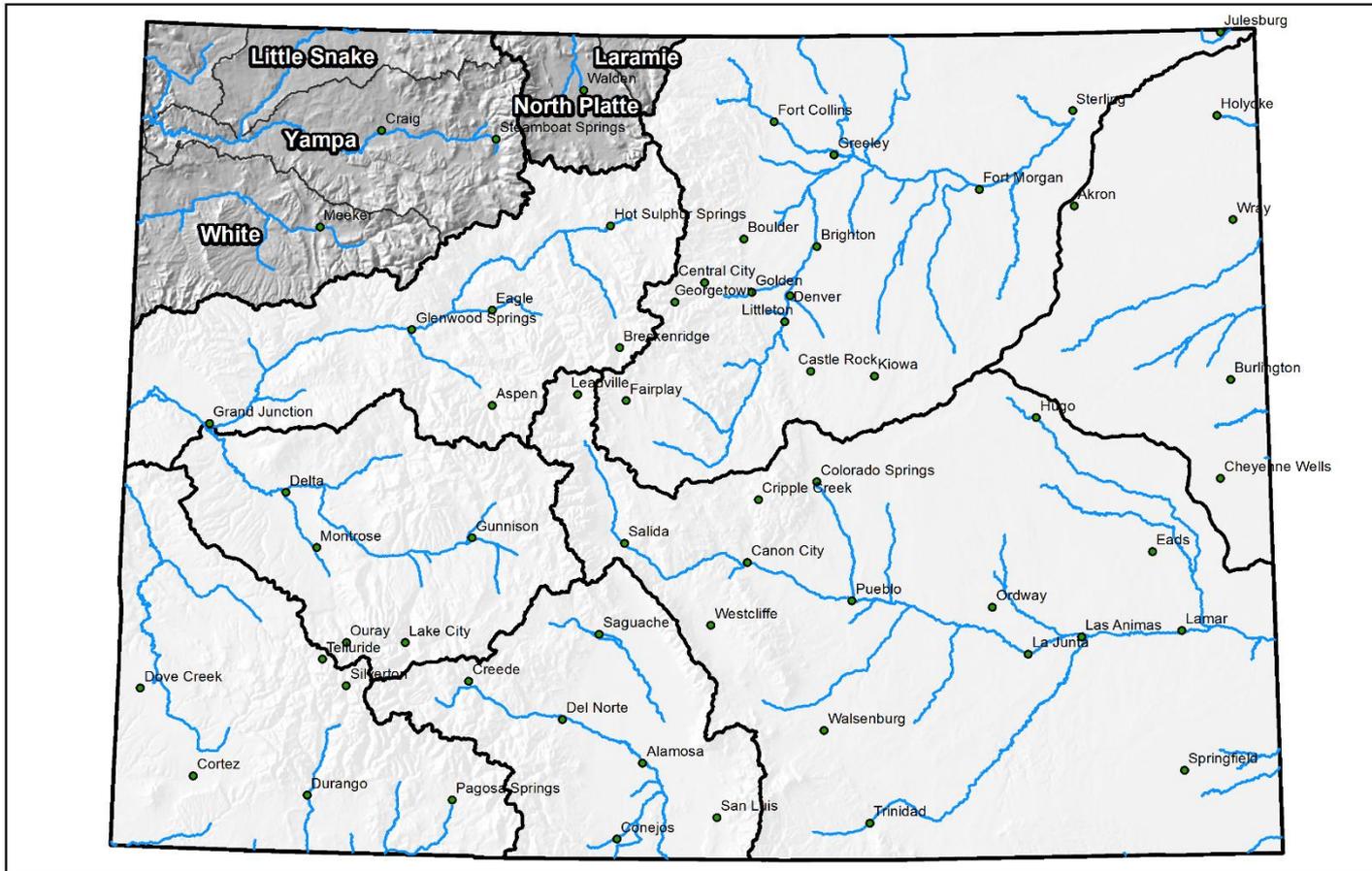
Colorado Snow Survey Supervisor

720-544-2852

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

## Major Basin Summary

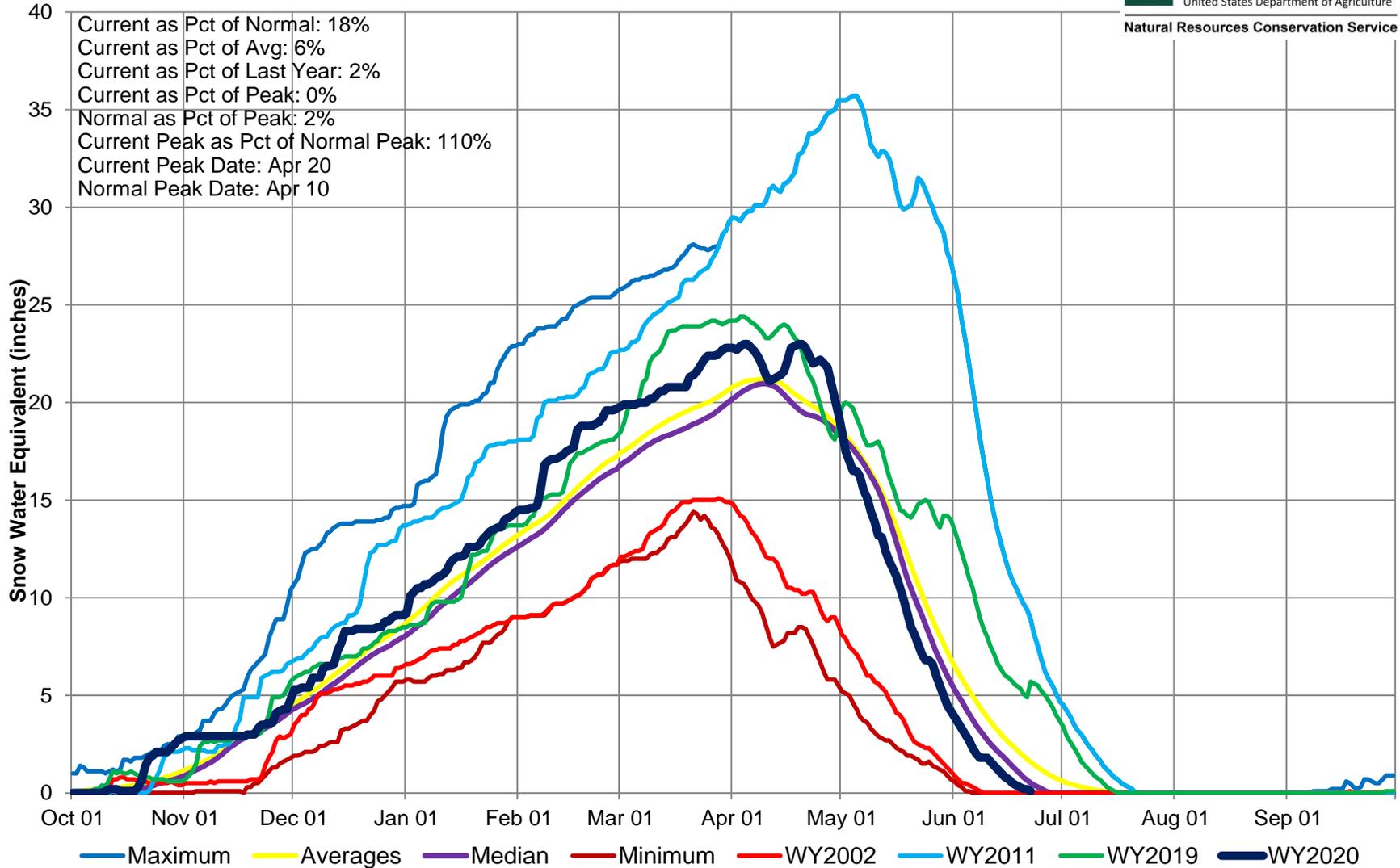
### Yampa, White, and North Platte River Basins



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

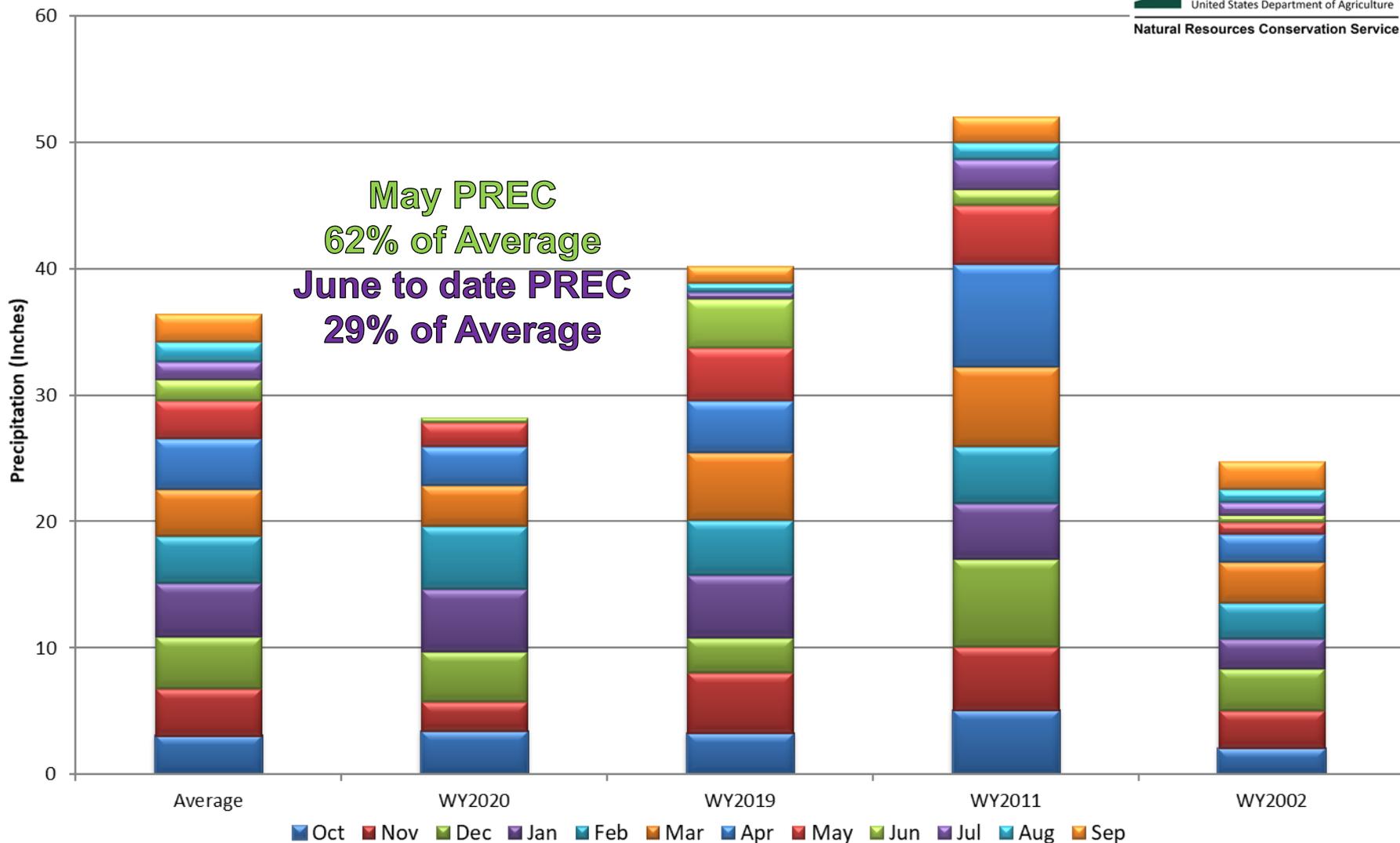
*Based on Provisional SNOTEL data as of Jun 22, 2020*

USDA  
United States Department of Agriculture  
Natural Resources Conservation Service

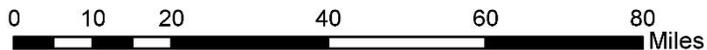
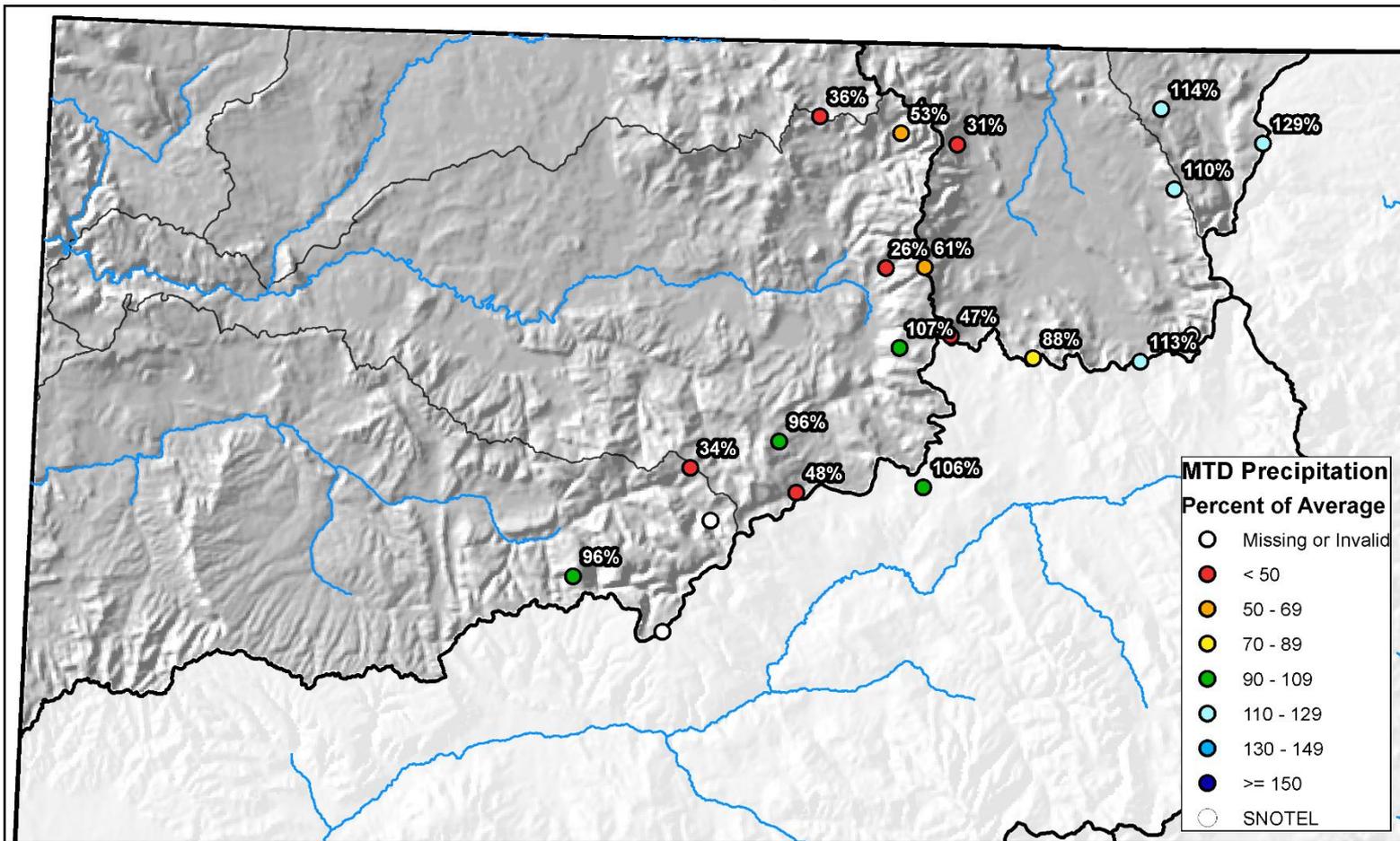


## Yampa and White River Basins High/Low Monthly Precipitation Summary

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



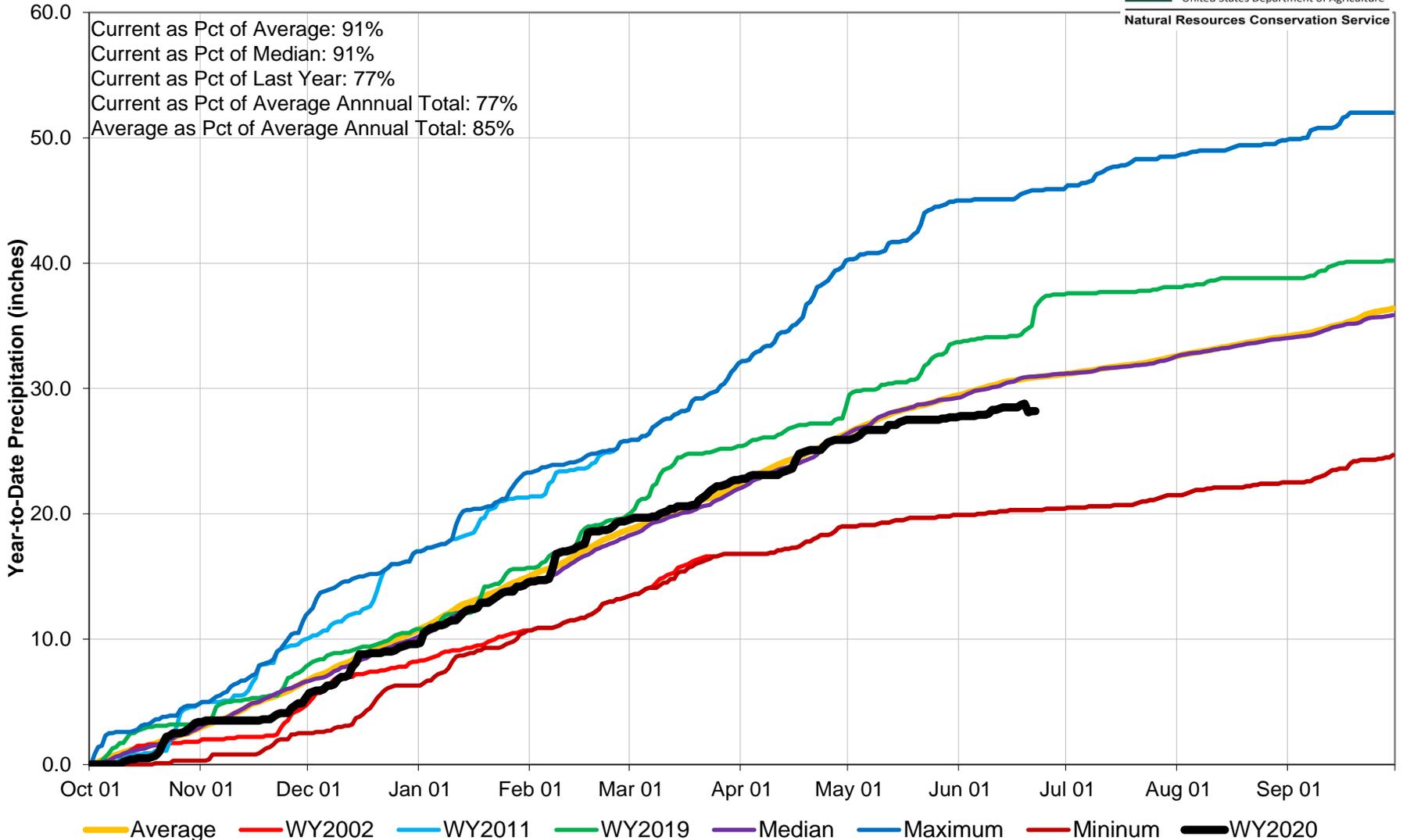
## Yampa, White, and North Platte River Basins Month to Date Precipitation Summary Current as of Jun 22, 2020



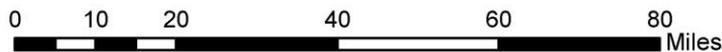
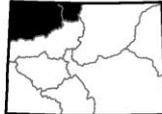
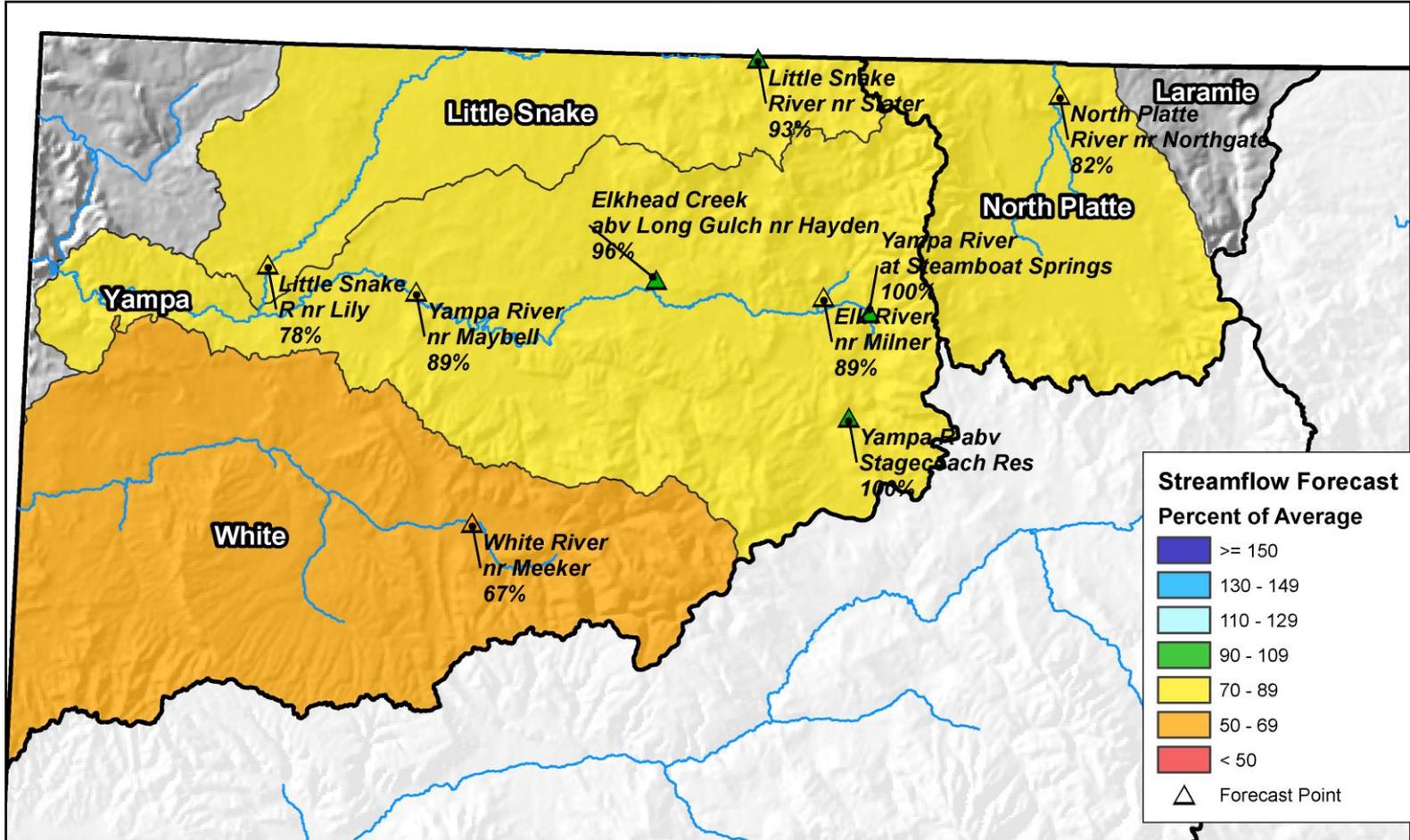


## Yampa and White River Basins High/Low Year-to-Date Precipitation Summary

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



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

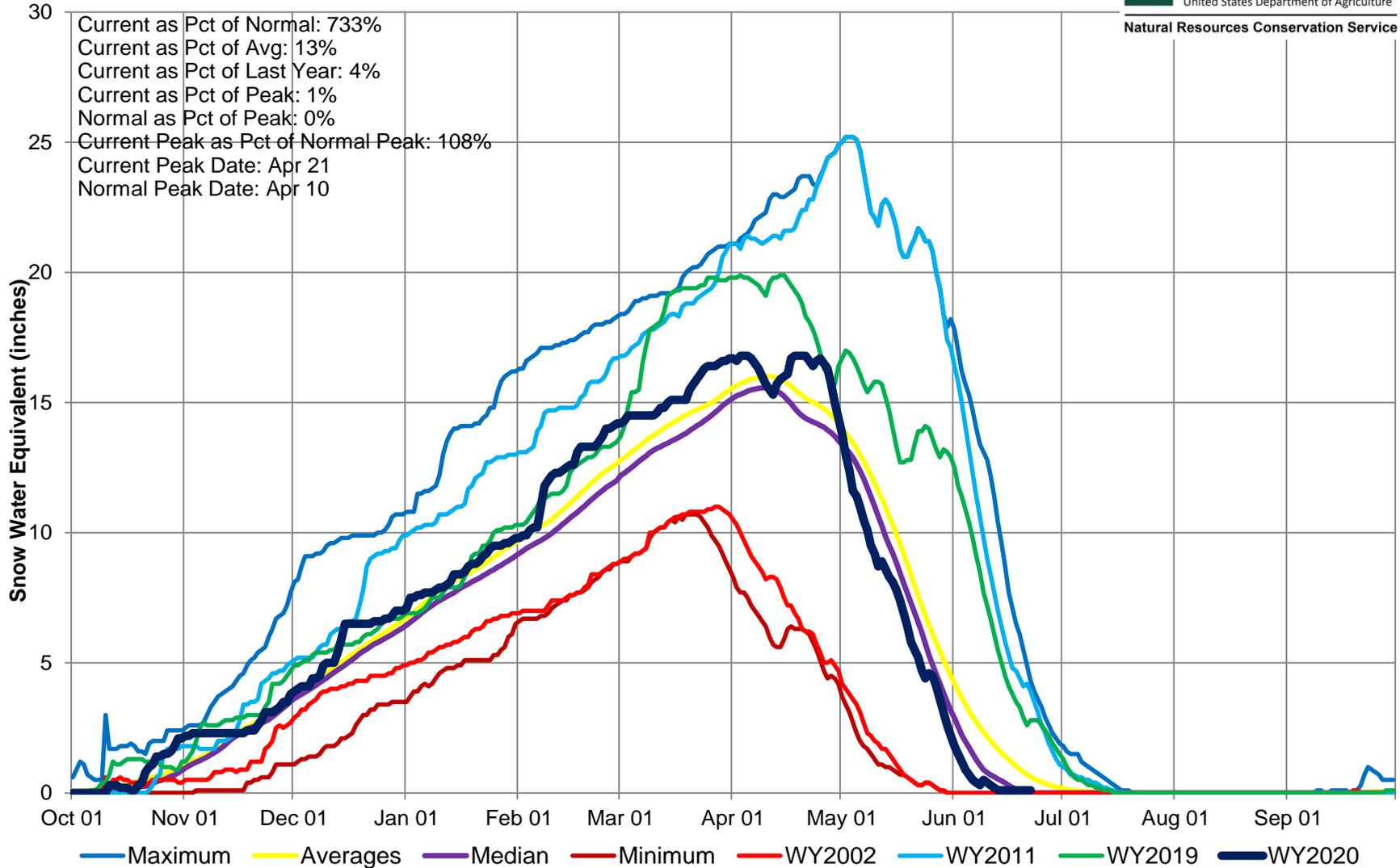






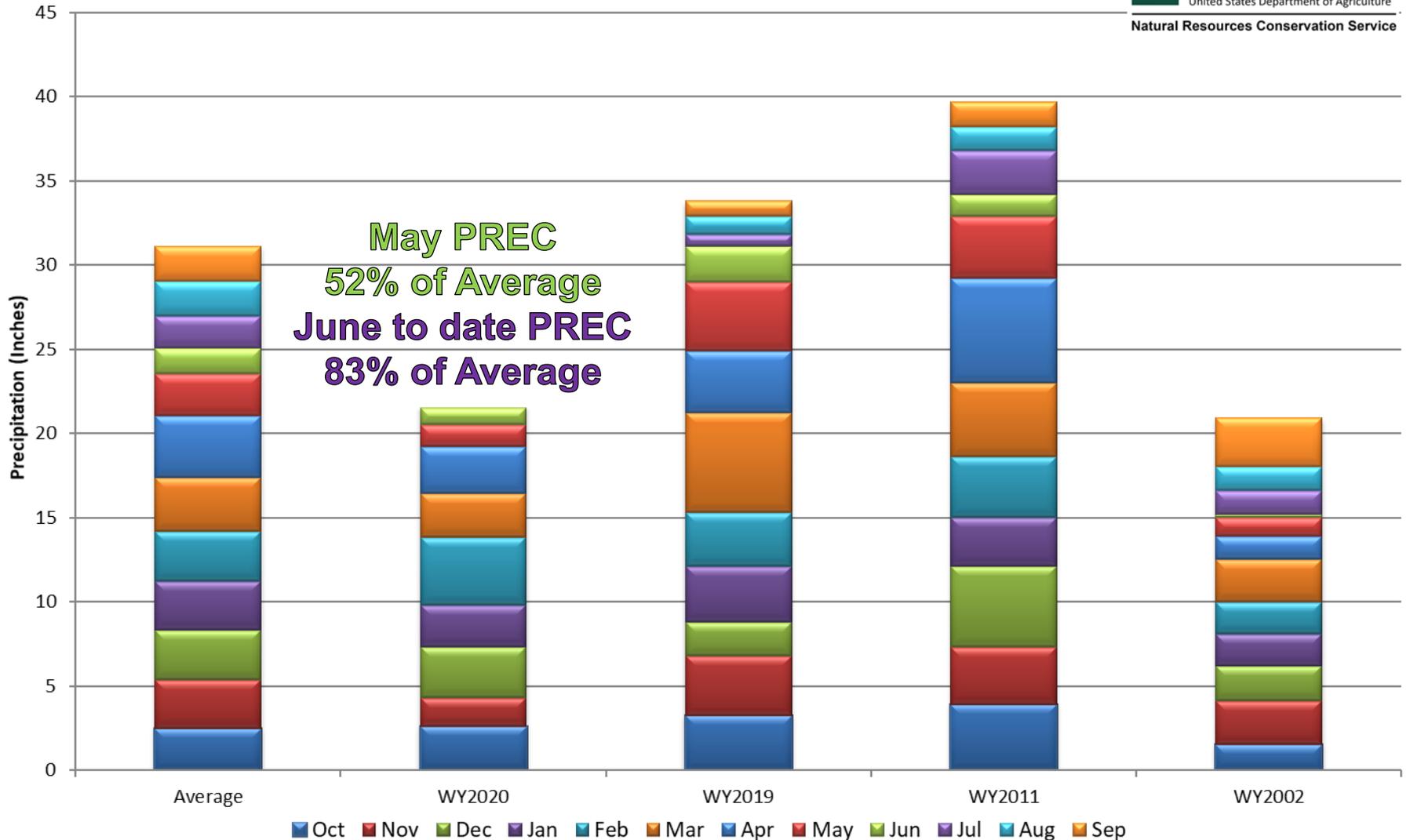
## Upper Colorado River Basin High/Low Snowpack Summary

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

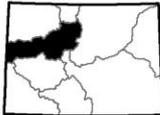
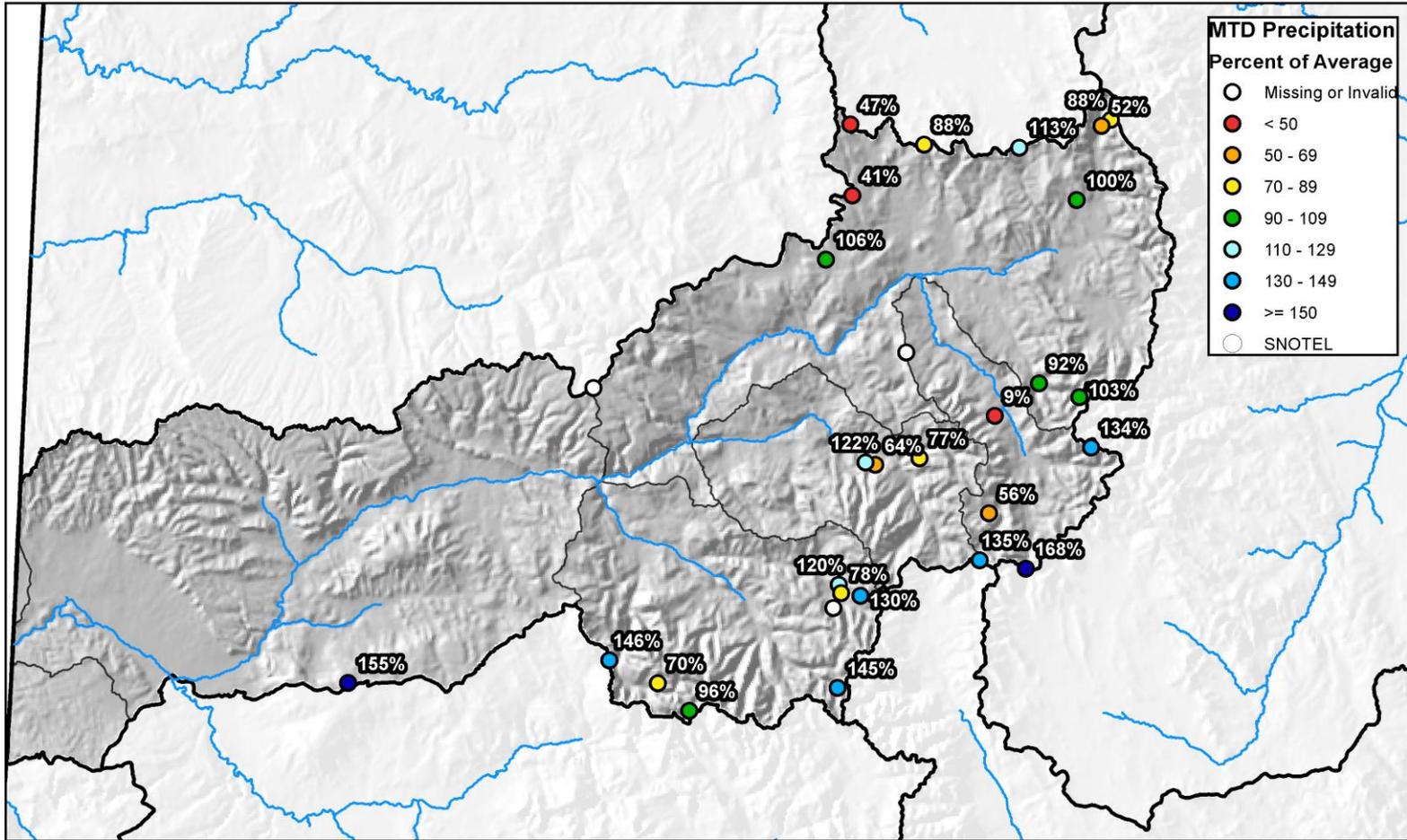


## Upper Colorado River Basin High/Low Monthly Precipitation Summary

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



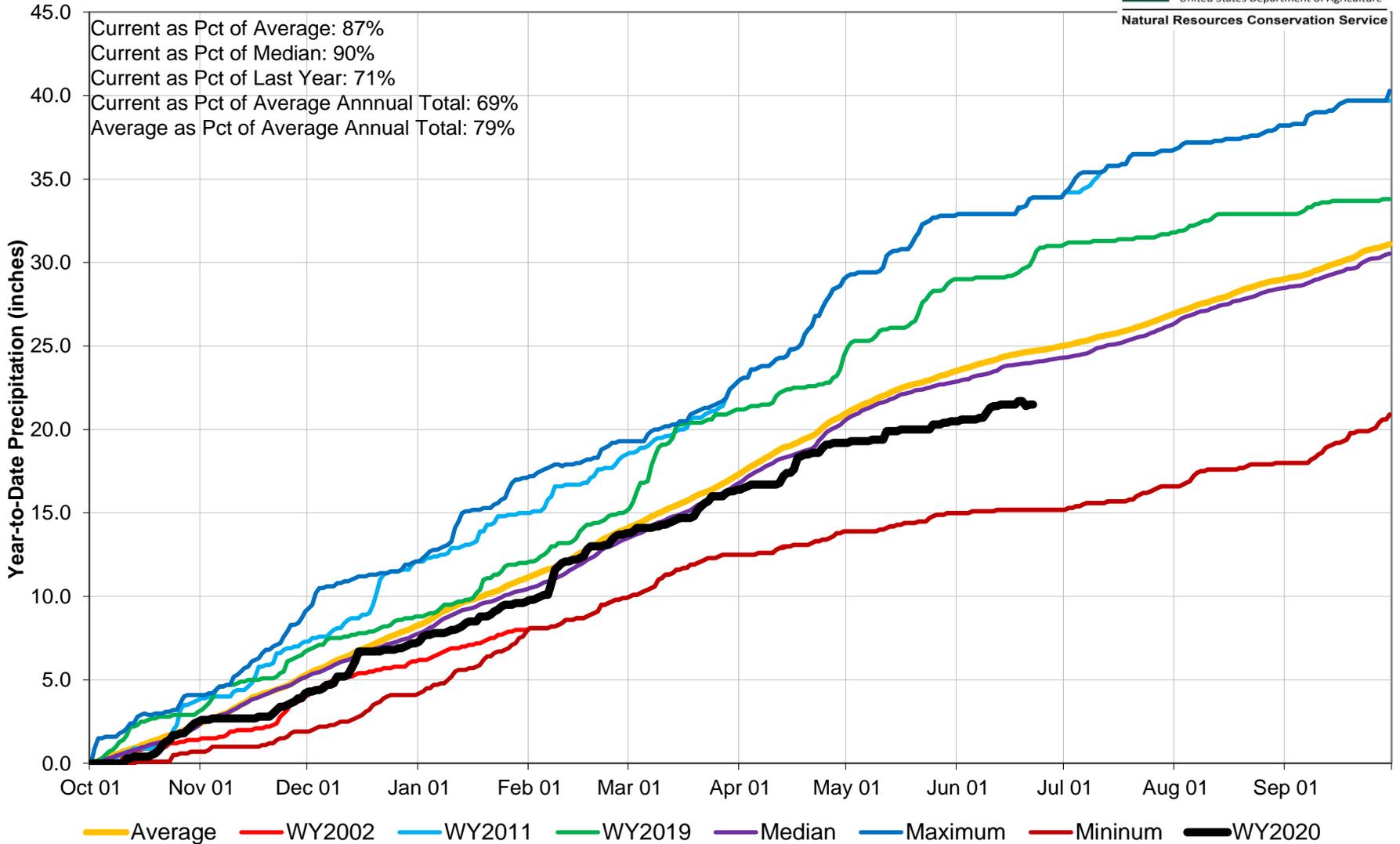
## Upper Colorado River Basin Month to Date Precipitation Summary Current as of Jun 22, 2020





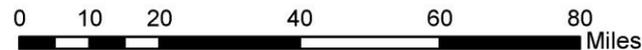
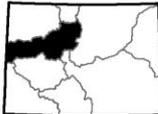
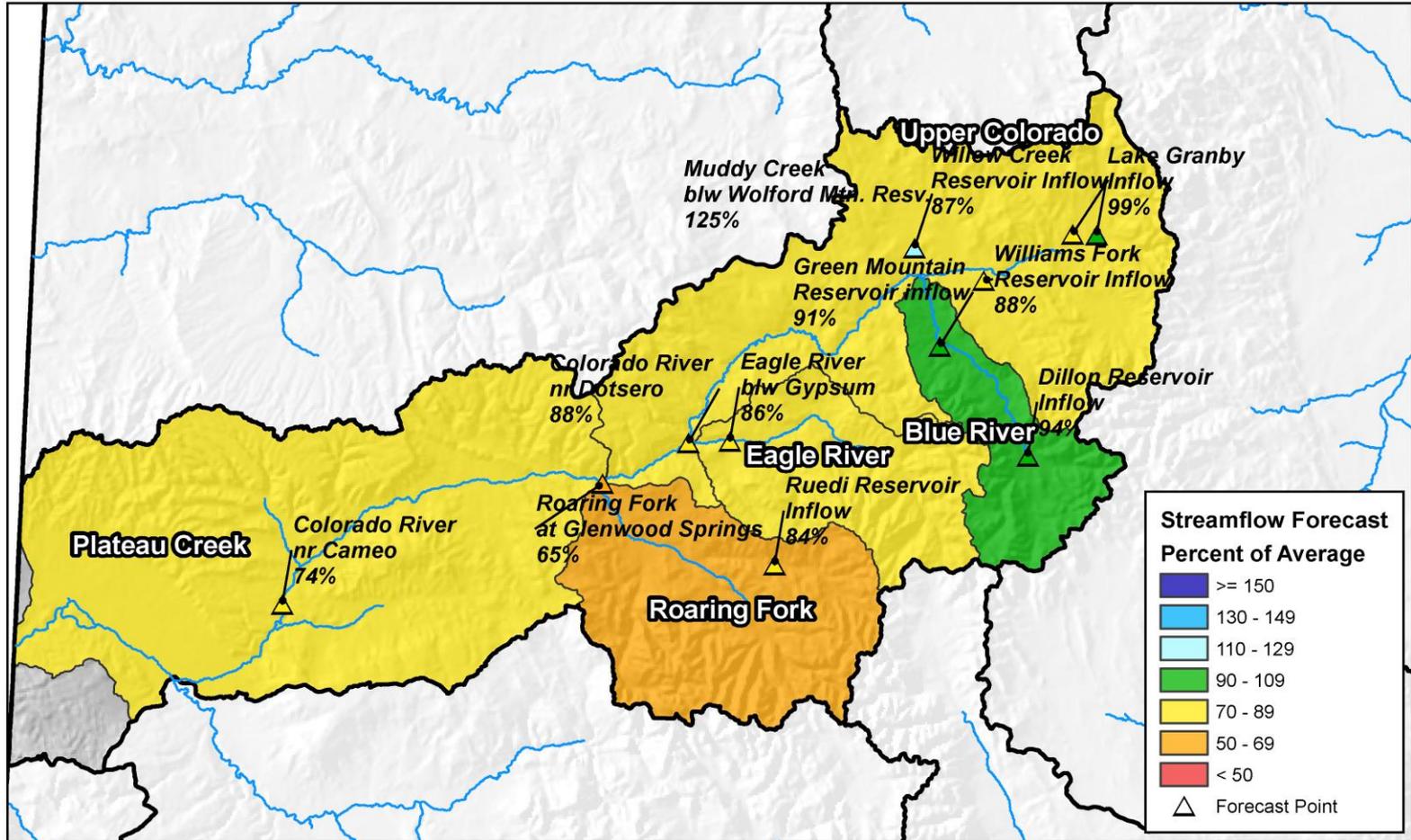
## Upper Colorado River Basin High/Low Year-to-Date Precipitation Summary

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



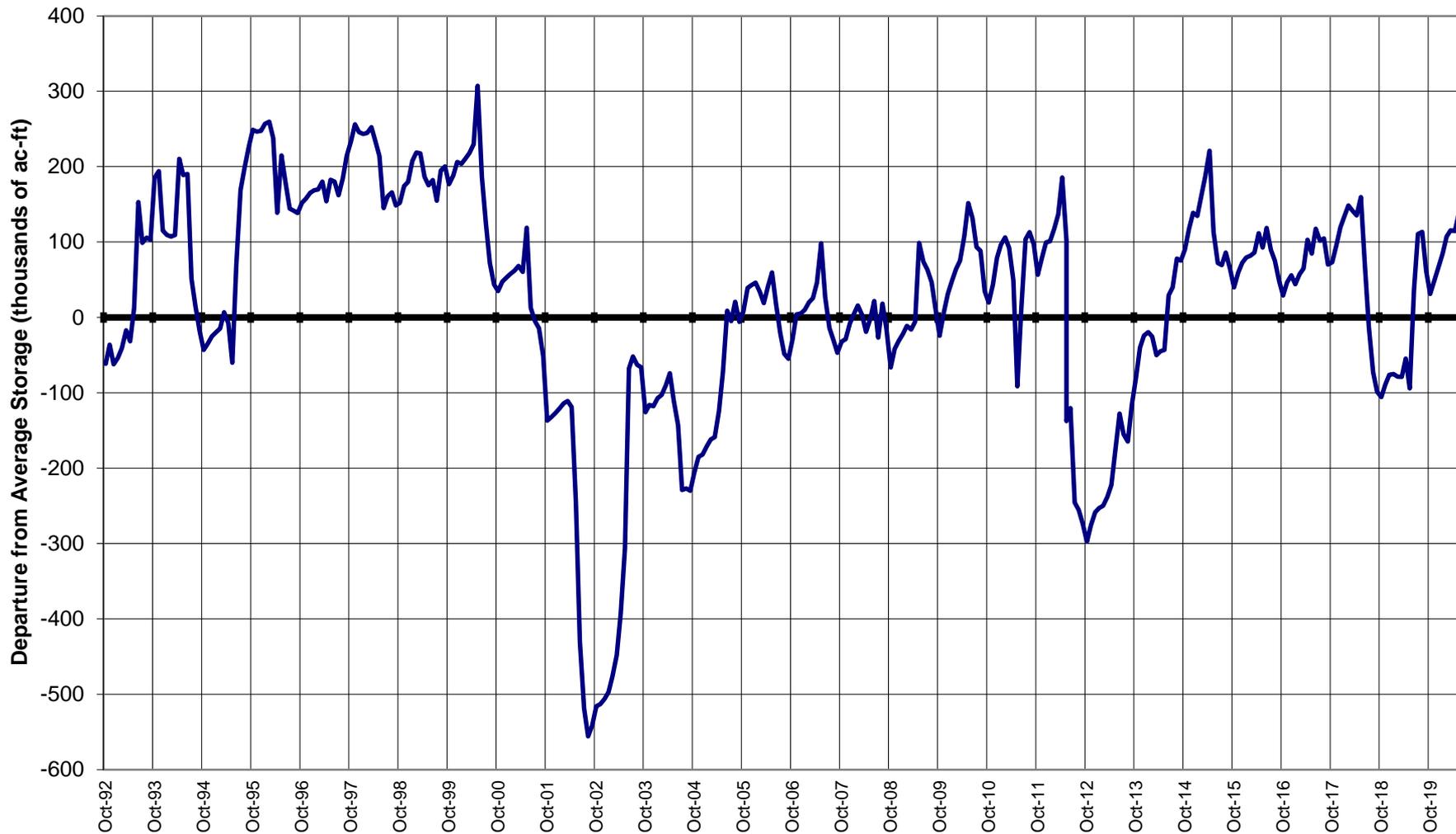
## Upper Colorado River Basin Streamflow Forecast Summary

June 1, 2020



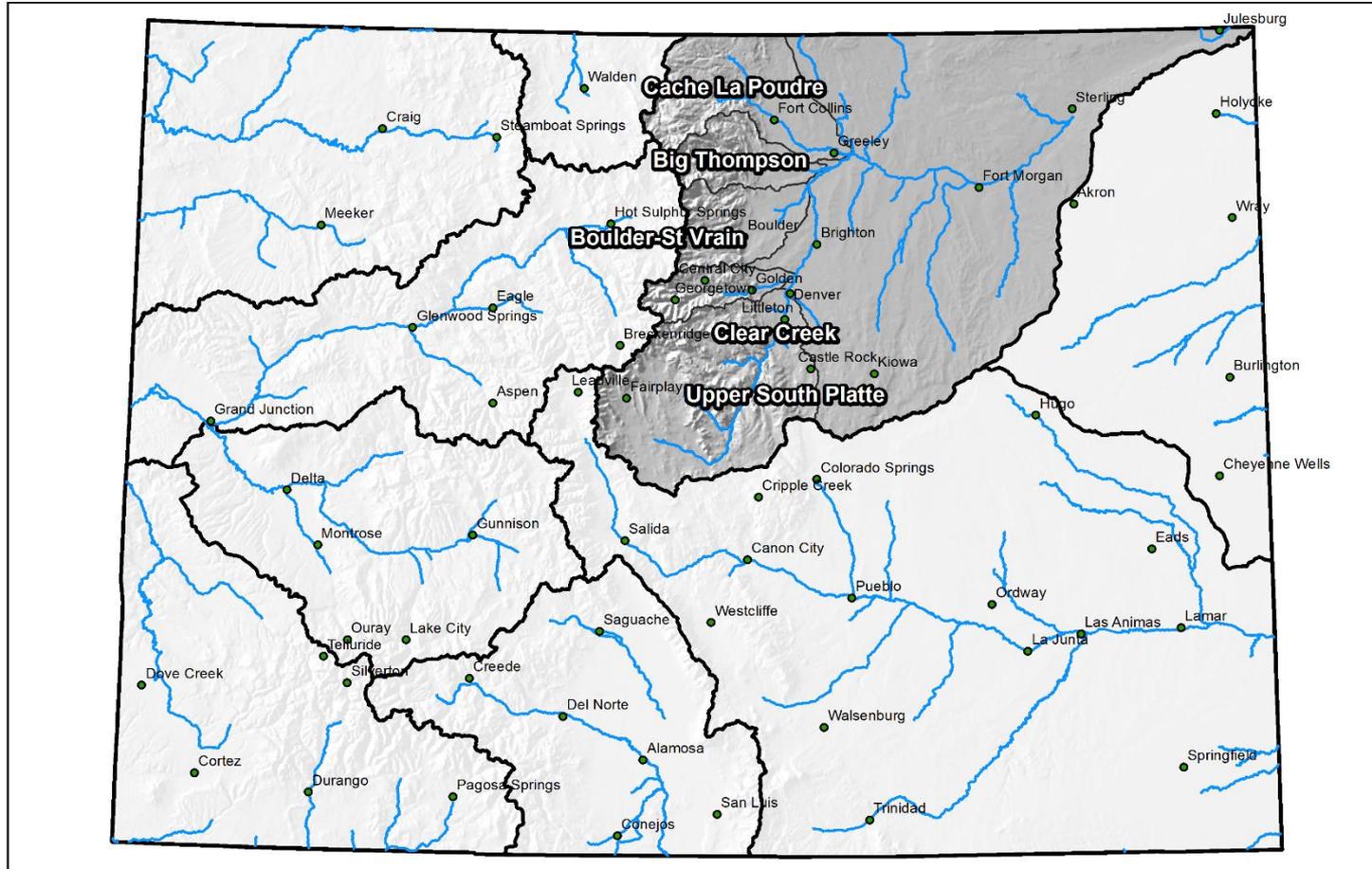


## COLORADO RIVER BASIN Reservoir Storage Departure from Average



## Major Basin Summary

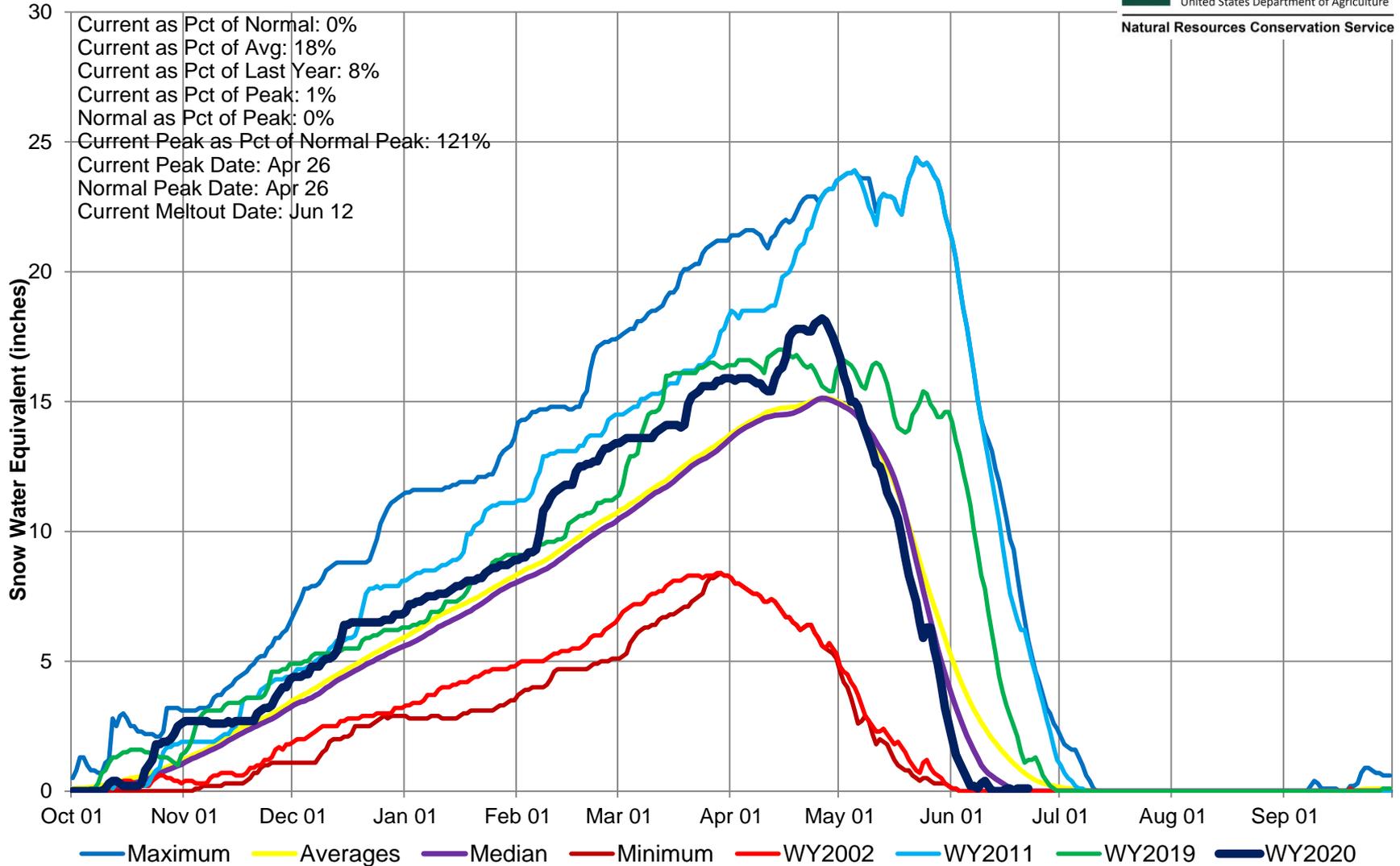
### South Platte River Basin





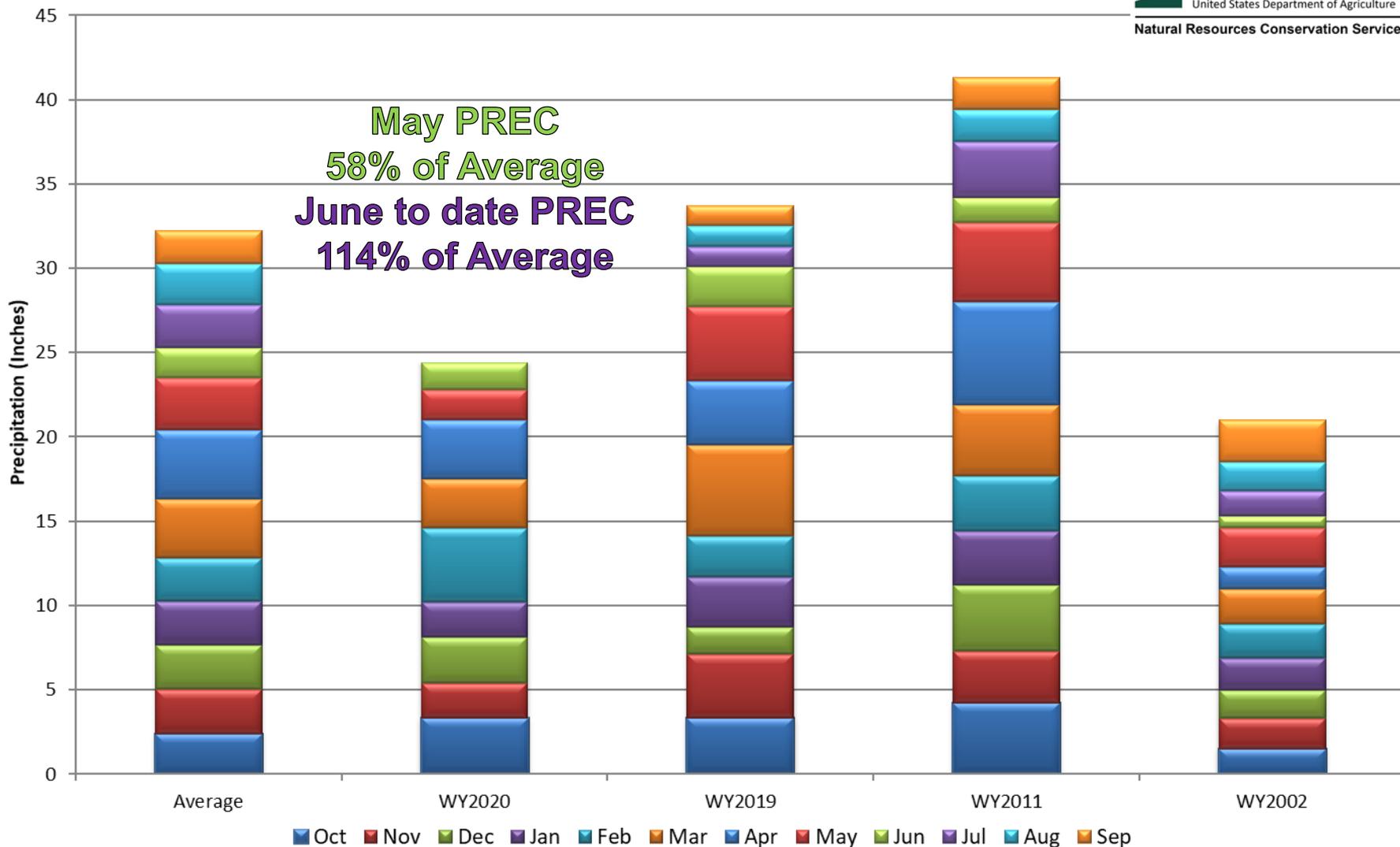
## South Platte River Basin High/Low Snowpack Summary

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



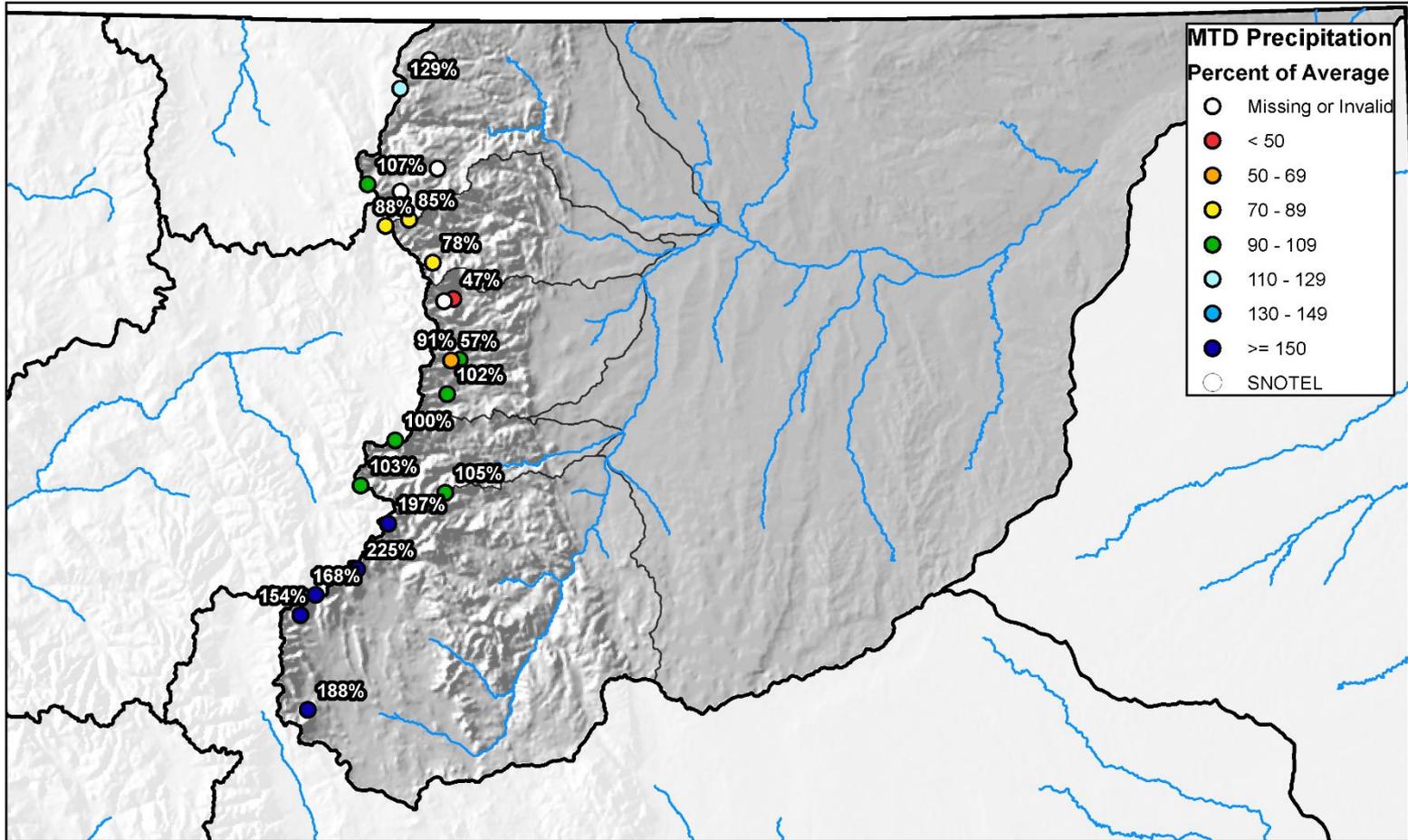
## South Platte River Basin High/Low Monthly Precipitation Summary

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



## South Platte River Basin Month to Date Precipitation Summary

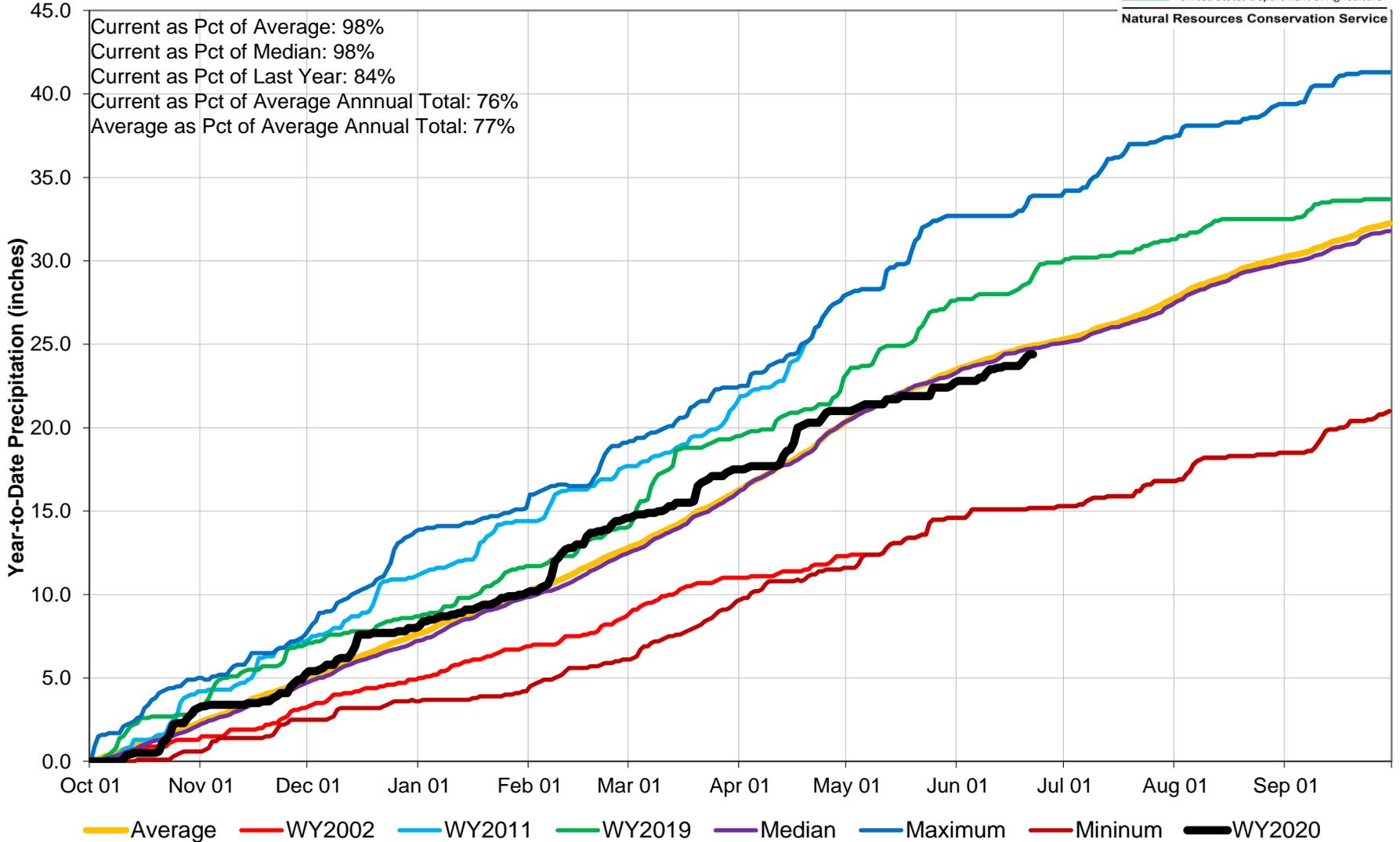
Current as of Jun 22, 2020





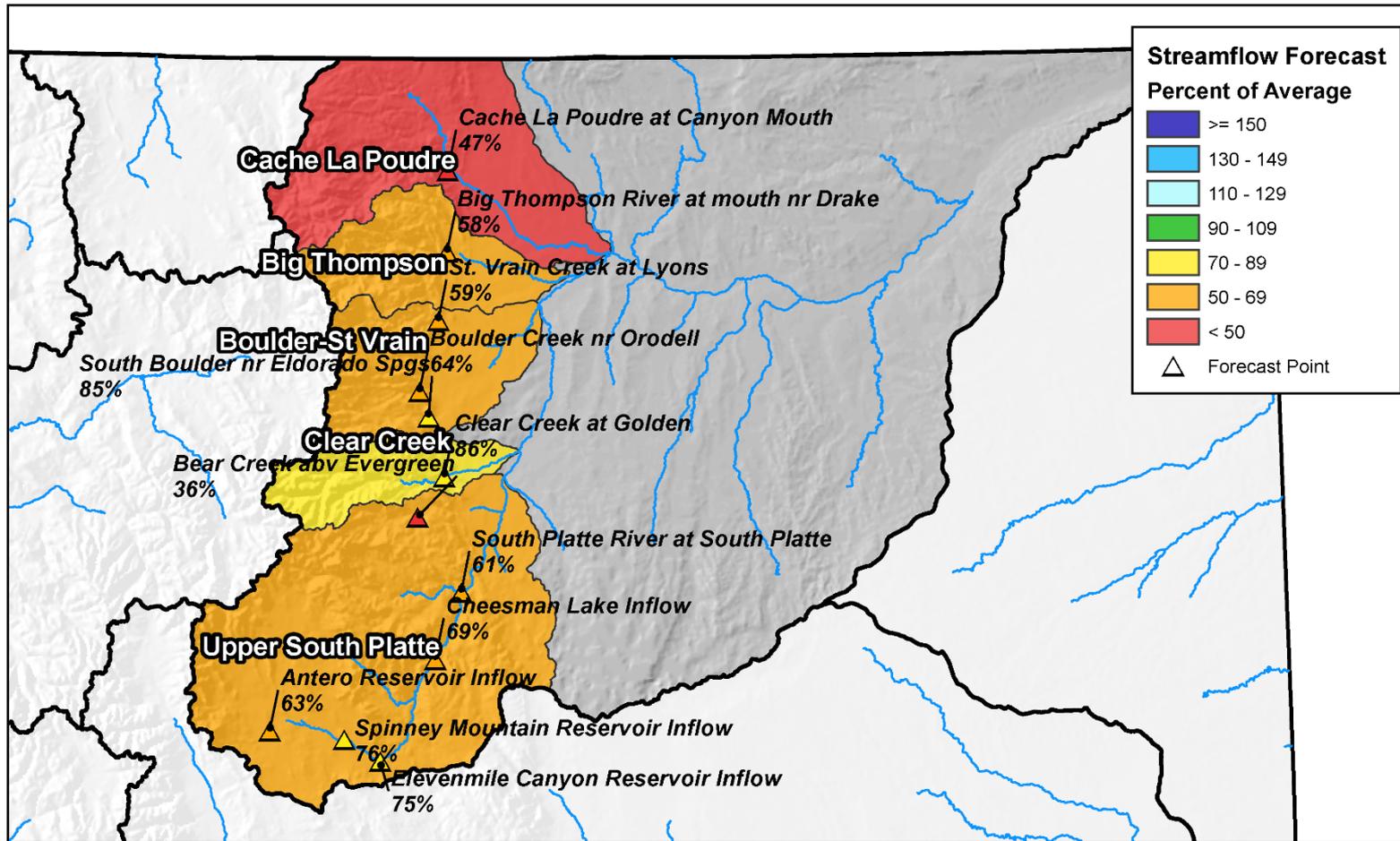
## South Platte River Basin High/Low Year-to-Date Precipitation Summary

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



## South Platte River Basin Streamflow Forecast Summary

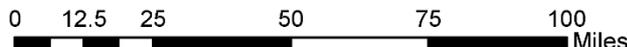
June 1, 2020



**Streamflow Forecast Percent of Average**

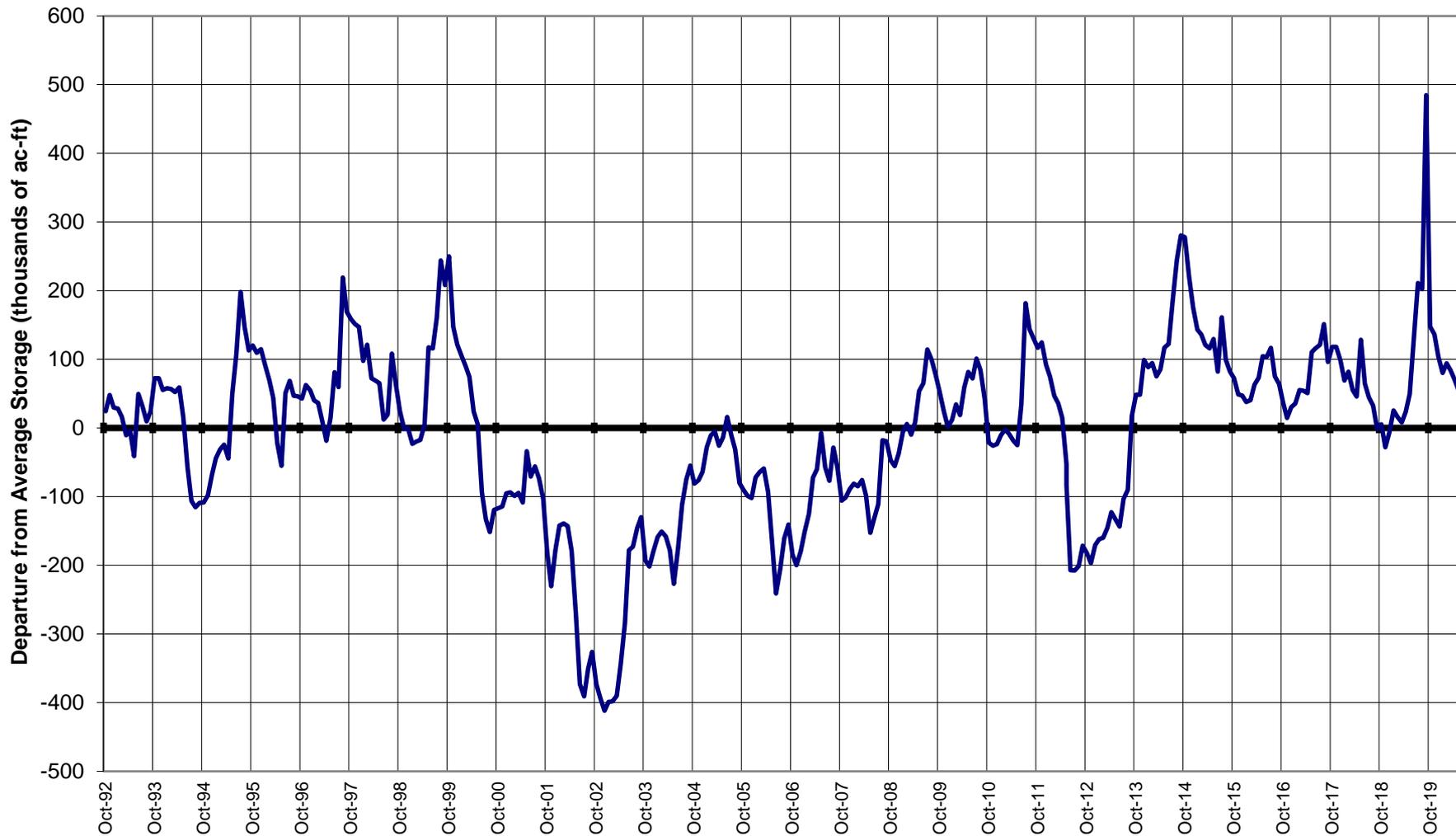
- $\geq 150$
- 130 - 149
- 110 - 129
- 90 - 109
- 70 - 89
- 50 - 69
- $< 50$

Forecast Point





## SOUTH PLATTE RIVER BASIN Reservoir Storage Departure from Average

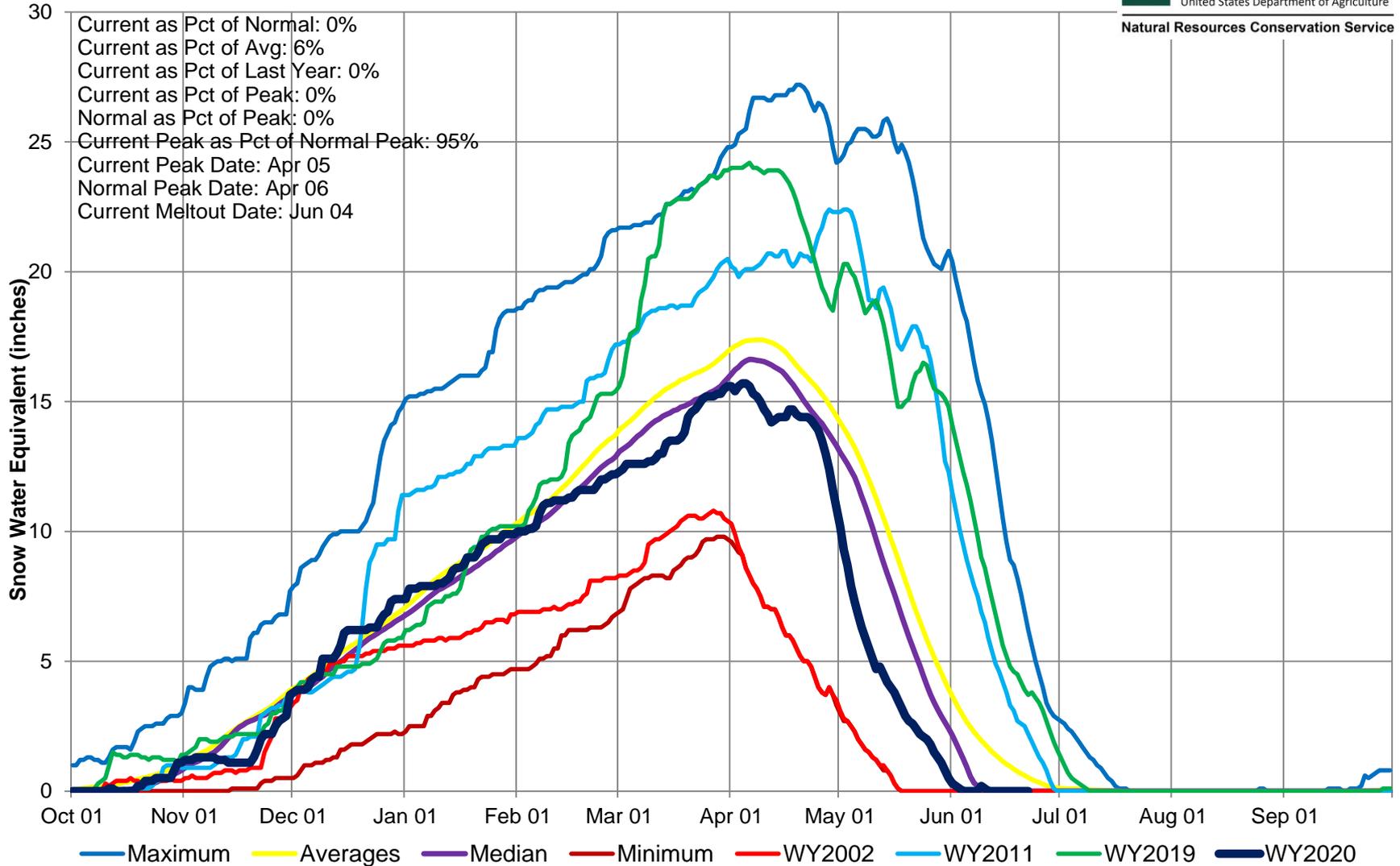






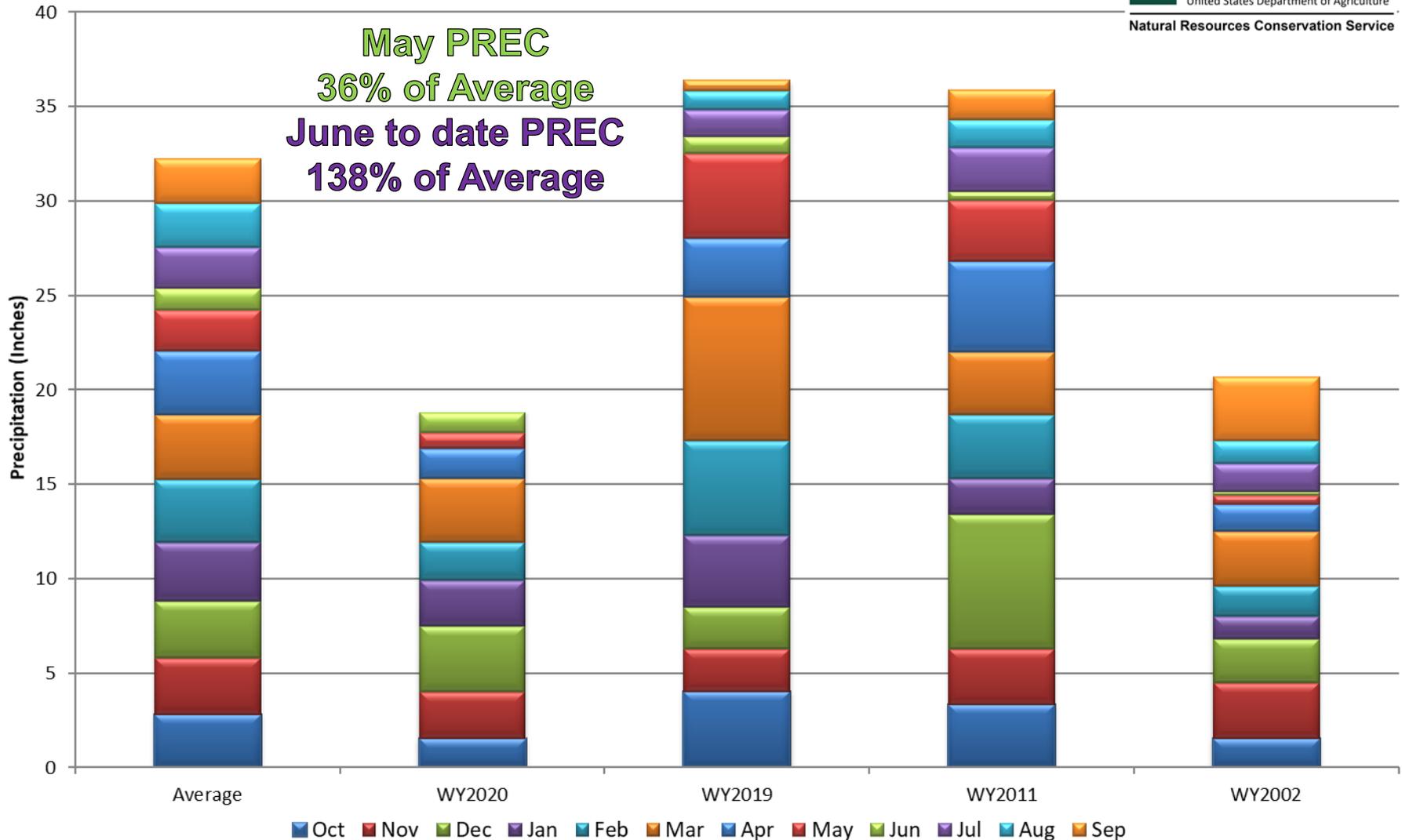
## Gunnison River Basin High/Low Snowpack Summary

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



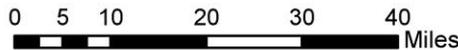
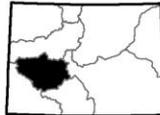
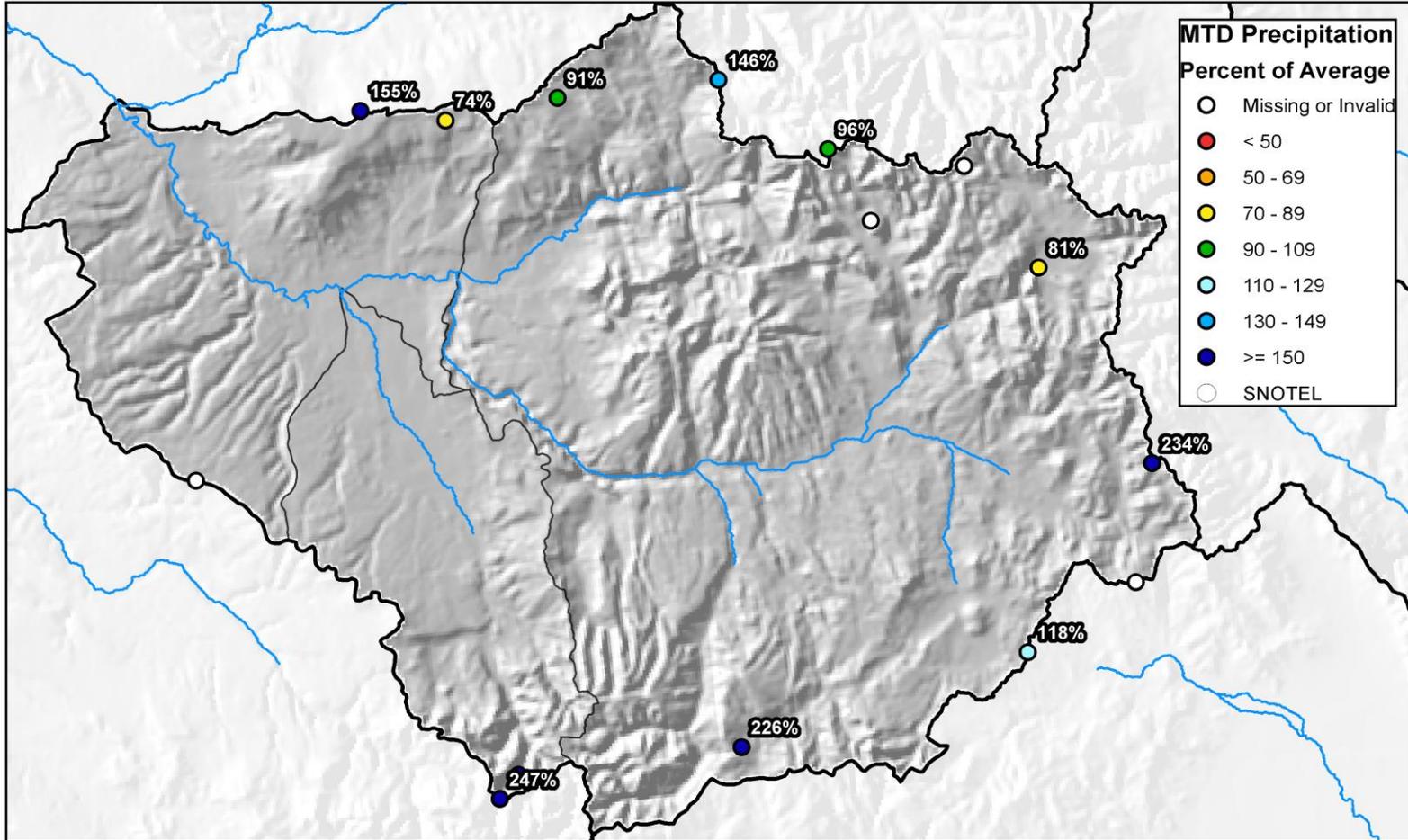
## Gunnison River Basin High/Low Monthly Precipitation Summary

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



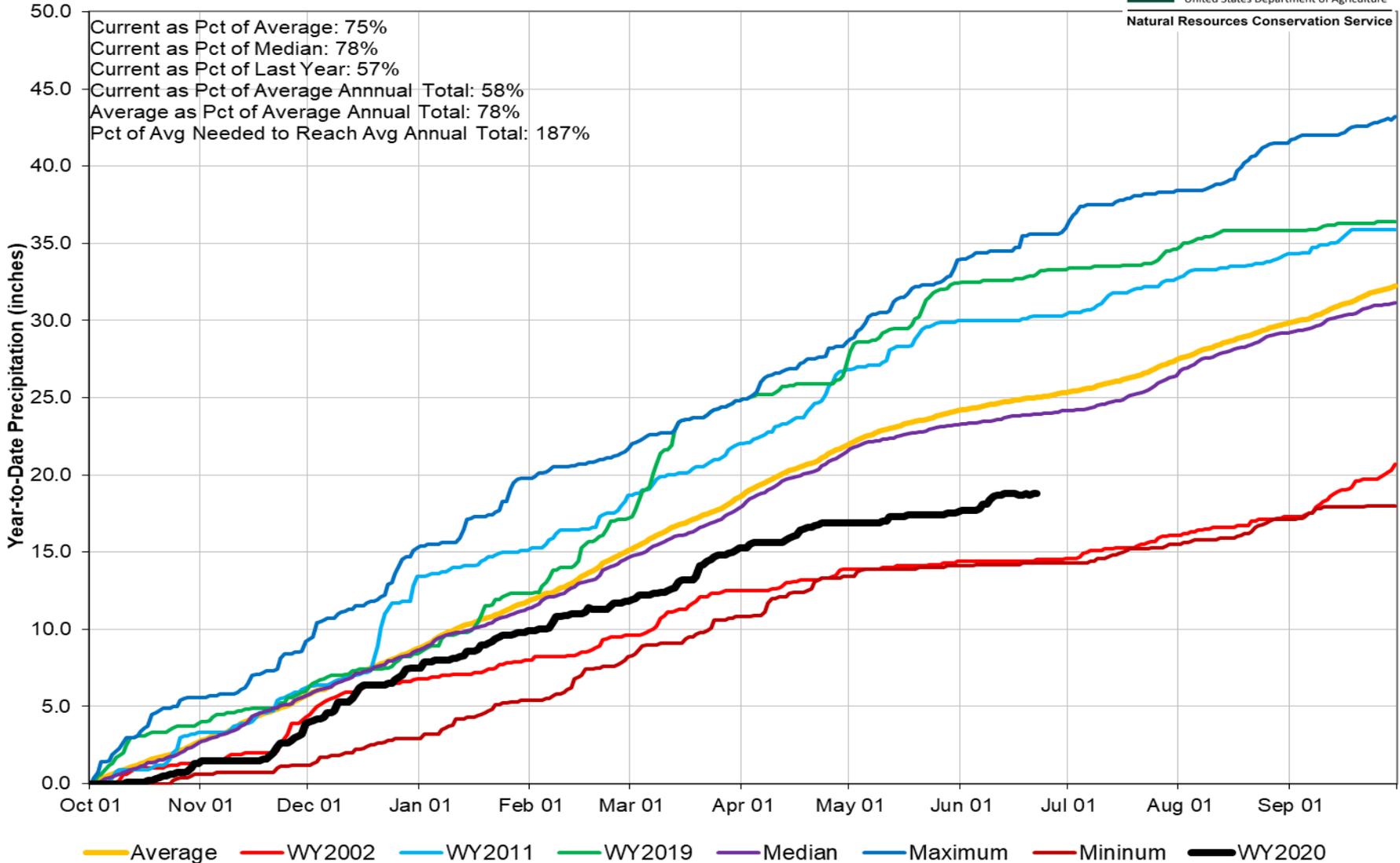
## Gunnison River Basin Month to Date Precipitation Summary

Current as of Jun 22, 2020



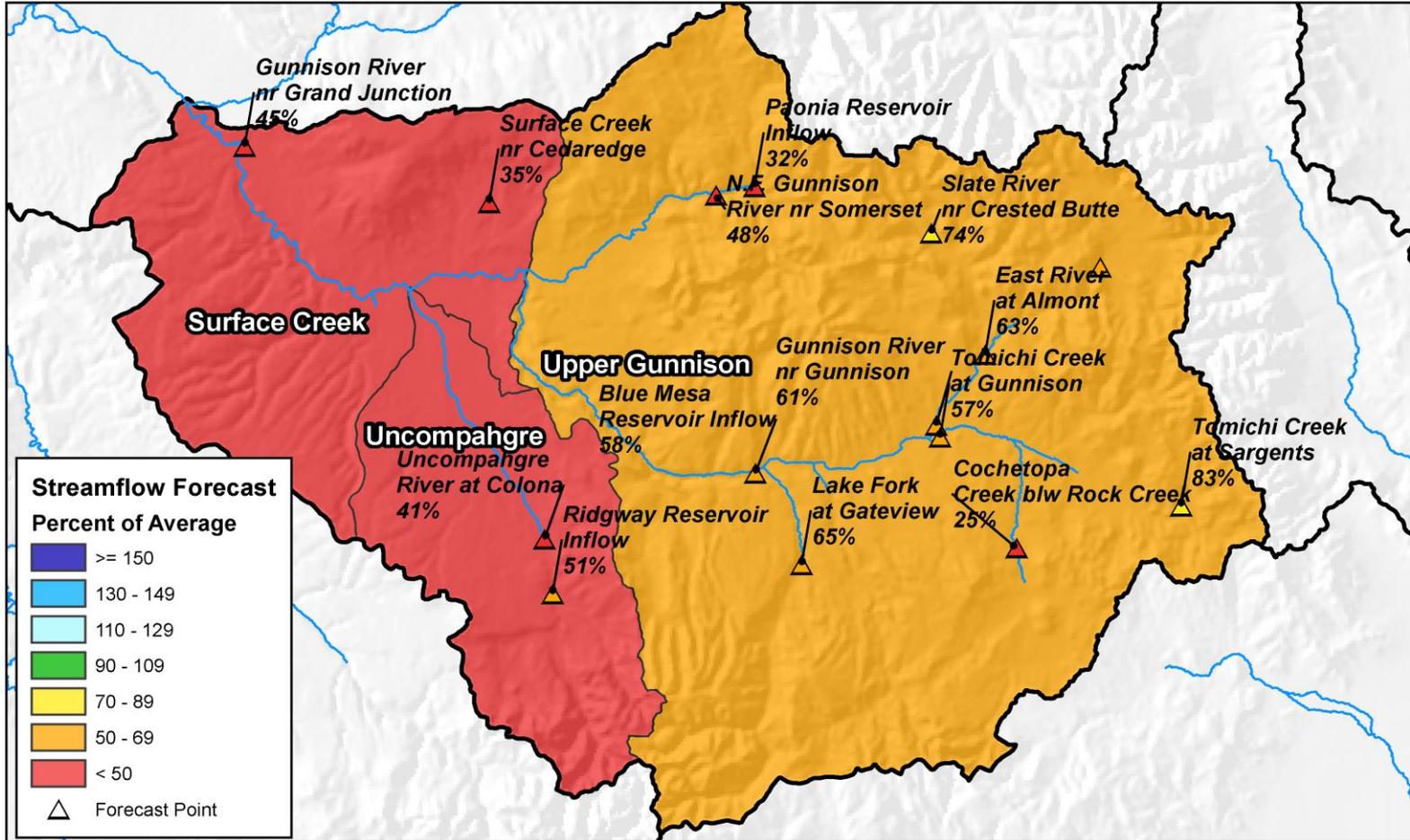
## Gunnison River Basin High/Low Year-to-Date Precipitation Summary

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



## Gunnison River Basin Water Supply Forecast Summary

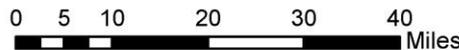
June 1, 2020



**Streamflow Forecast**  
Percent of Average

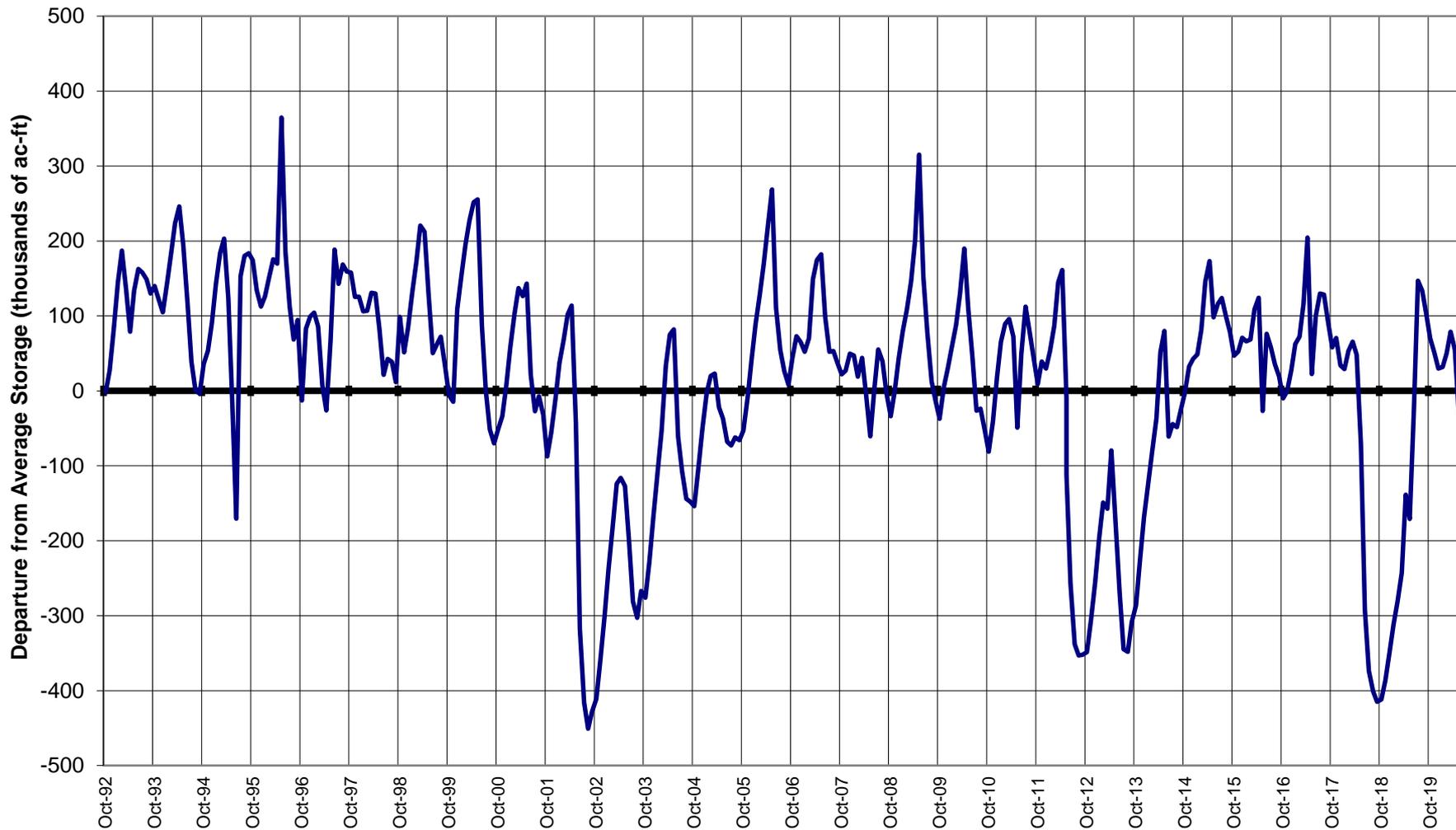
- >= 150
- 130 - 149
- 110 - 129
- 90 - 109
- 70 - 89
- 50 - 69
- < 50

△ Forecast Point





## GUNNISON RIVER BASIN Reservoir Storage Departure from Average

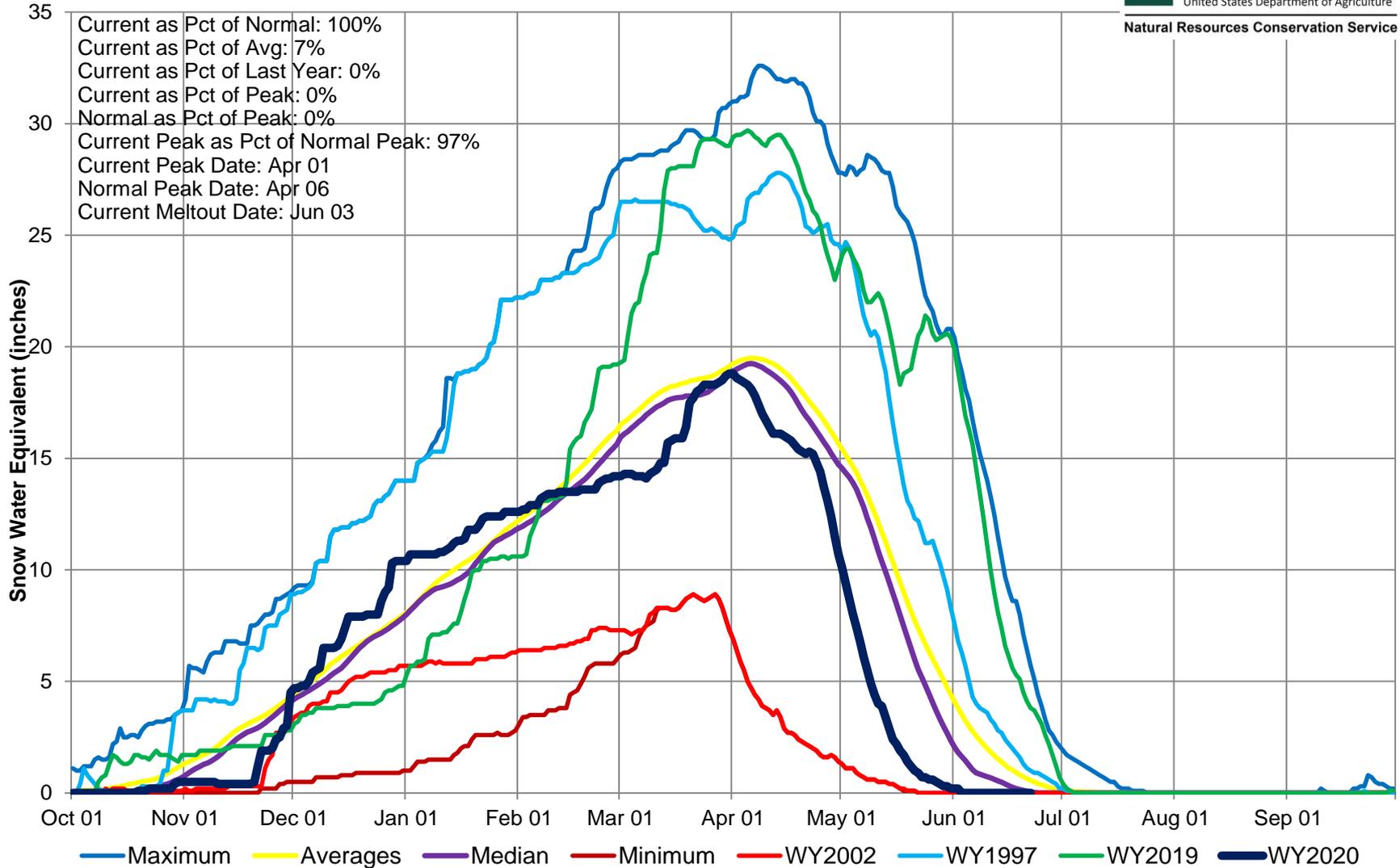






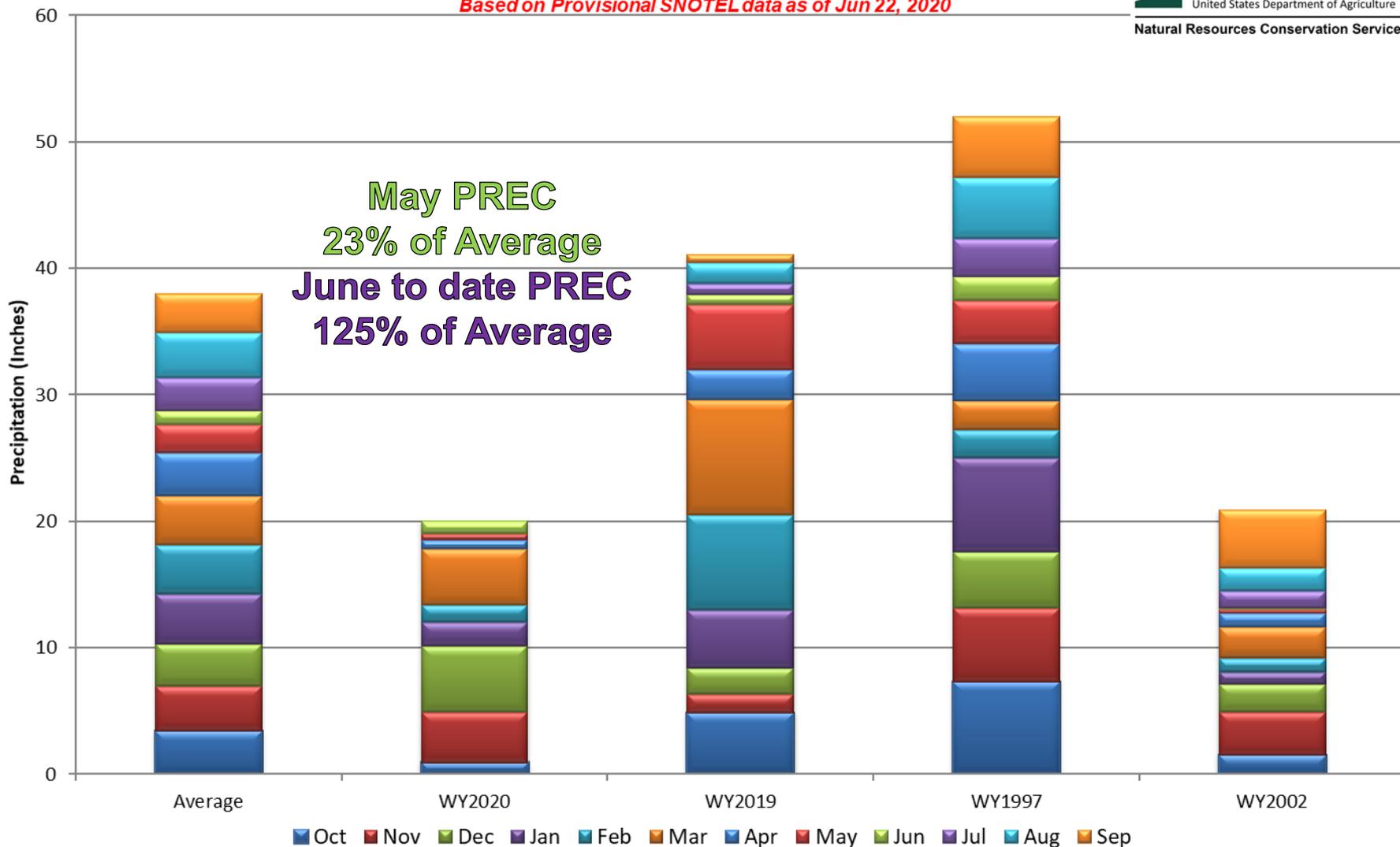
## San Miguel, Dolores, Animas and San Juan River Basins High/Low Snowpack Summary

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



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

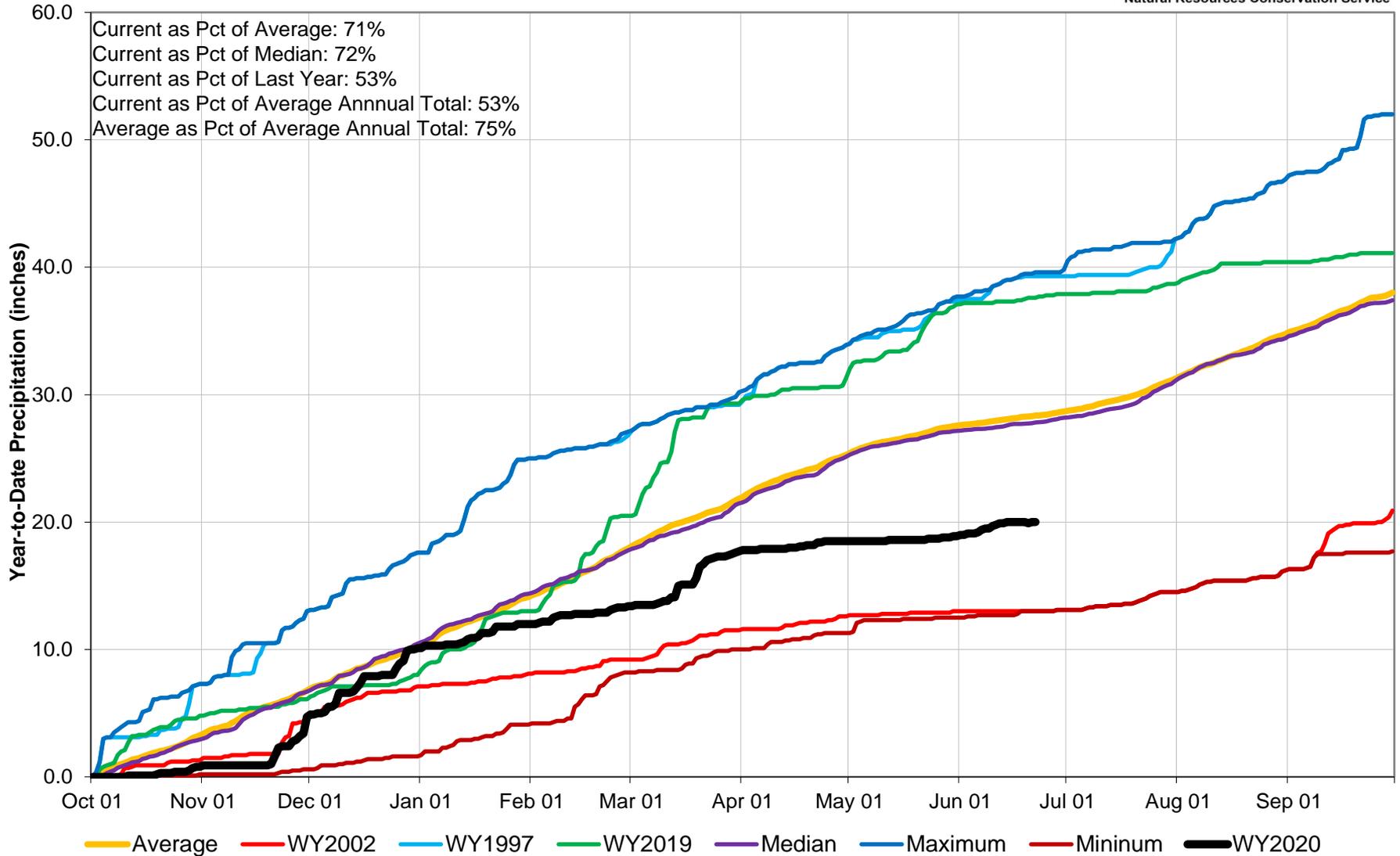
*Based on Provisional SNOTEL data as of Jun 22, 2020*





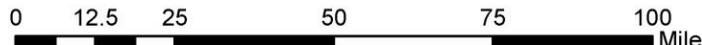
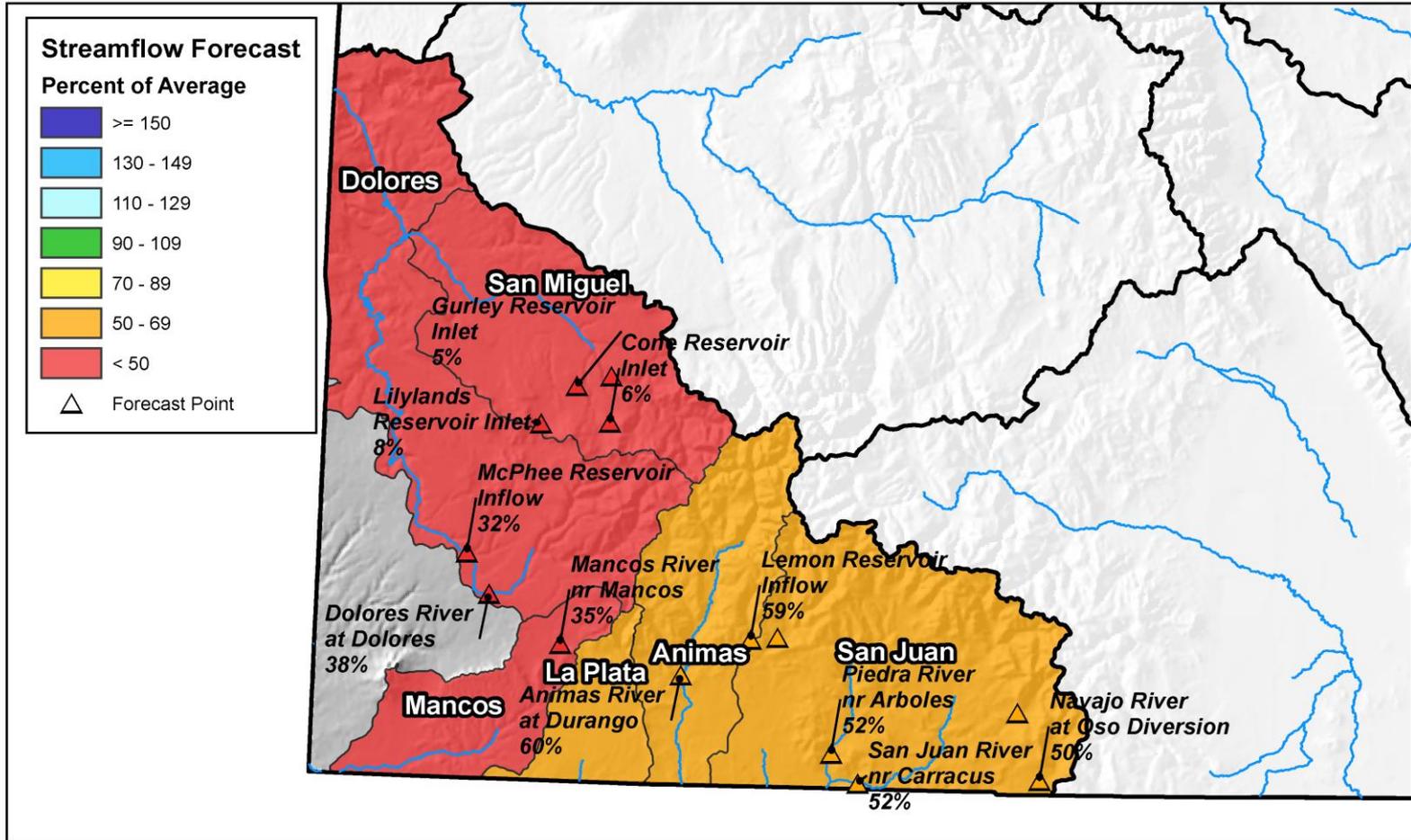
## San Miguel, Dolores, Animas and San Juan River Basins High/Low Year-to-Date Precipitation Summary

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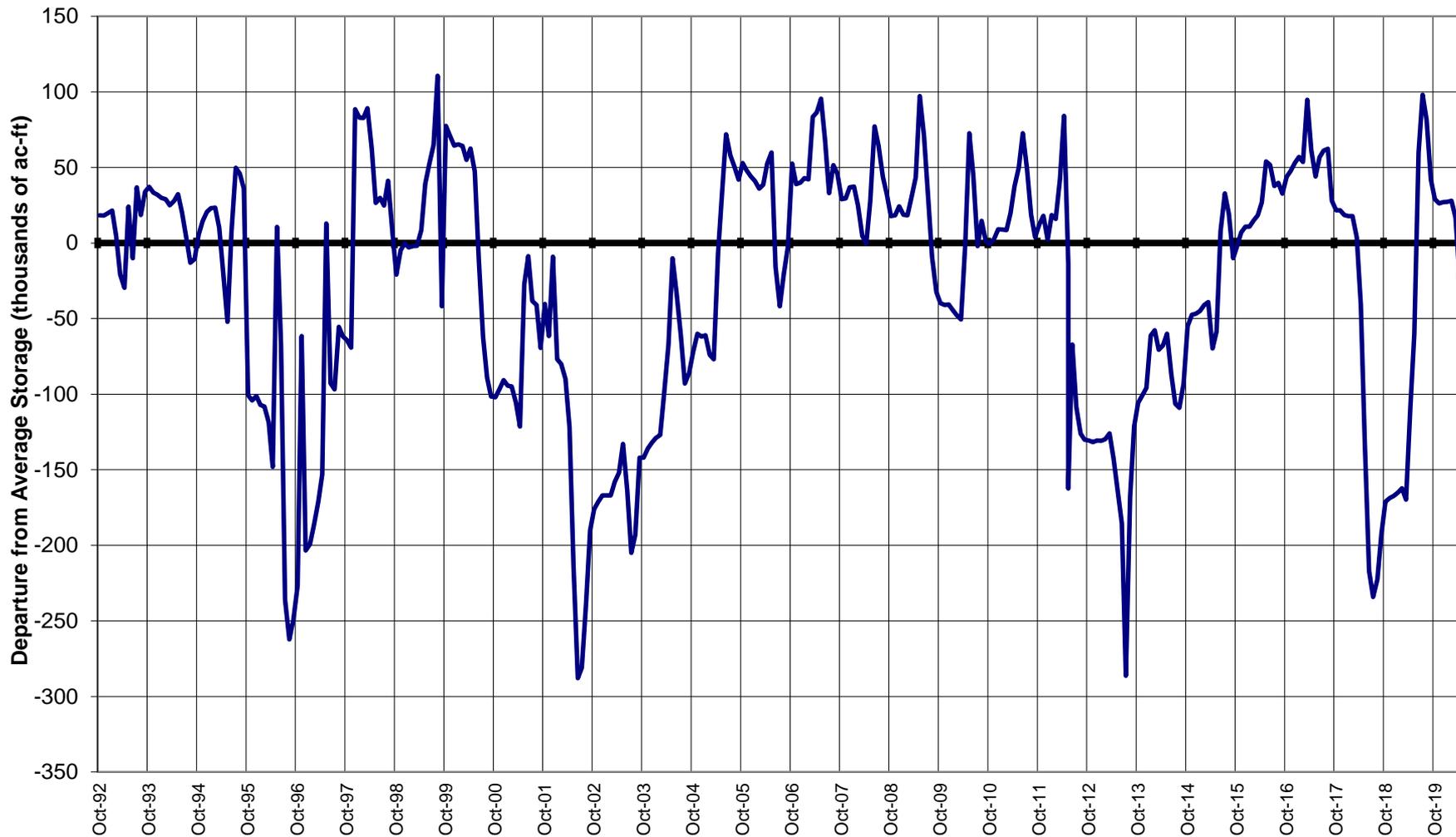
## San Miguel, Dolores, Animas, and San Juan River Basins Streamflow Forecast Summary

June 1, 2020



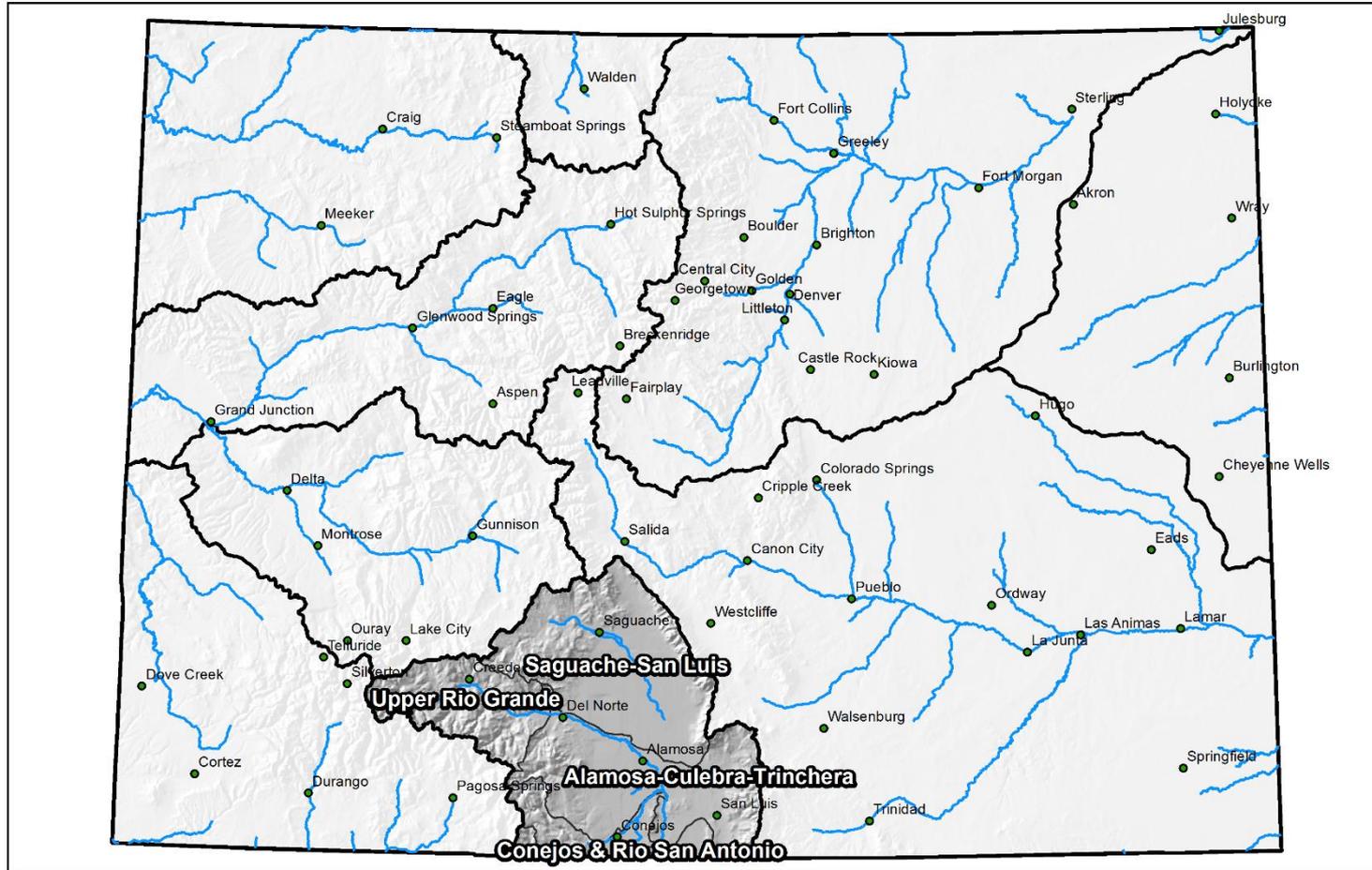


## SAN MIGUEL, DOLORES, ANIMAS AND SAN JUAN RIVER BASINS Reservoir Storage Departure from Average



## Major Basin Summary

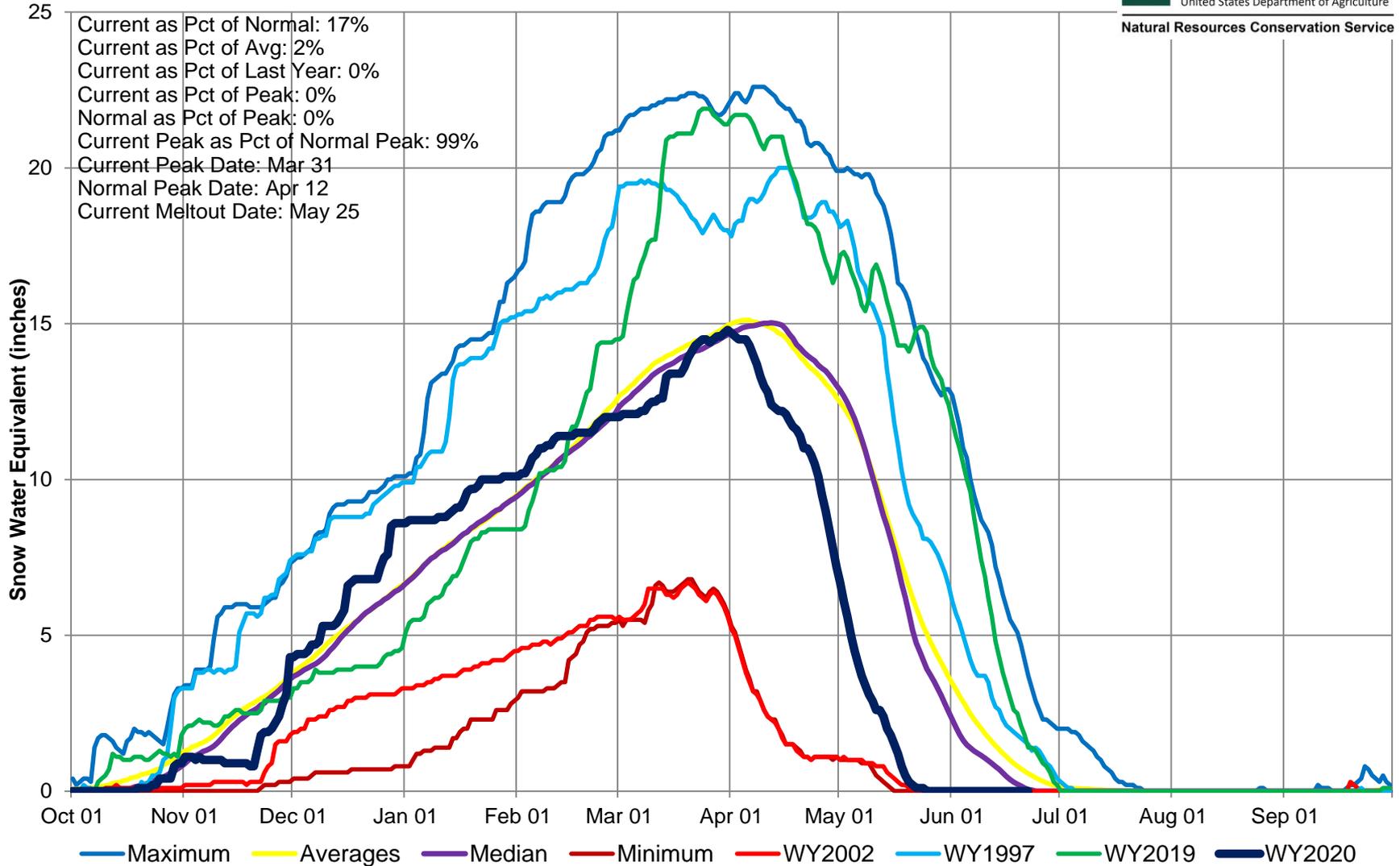
### Upper Rio Grande River Basin





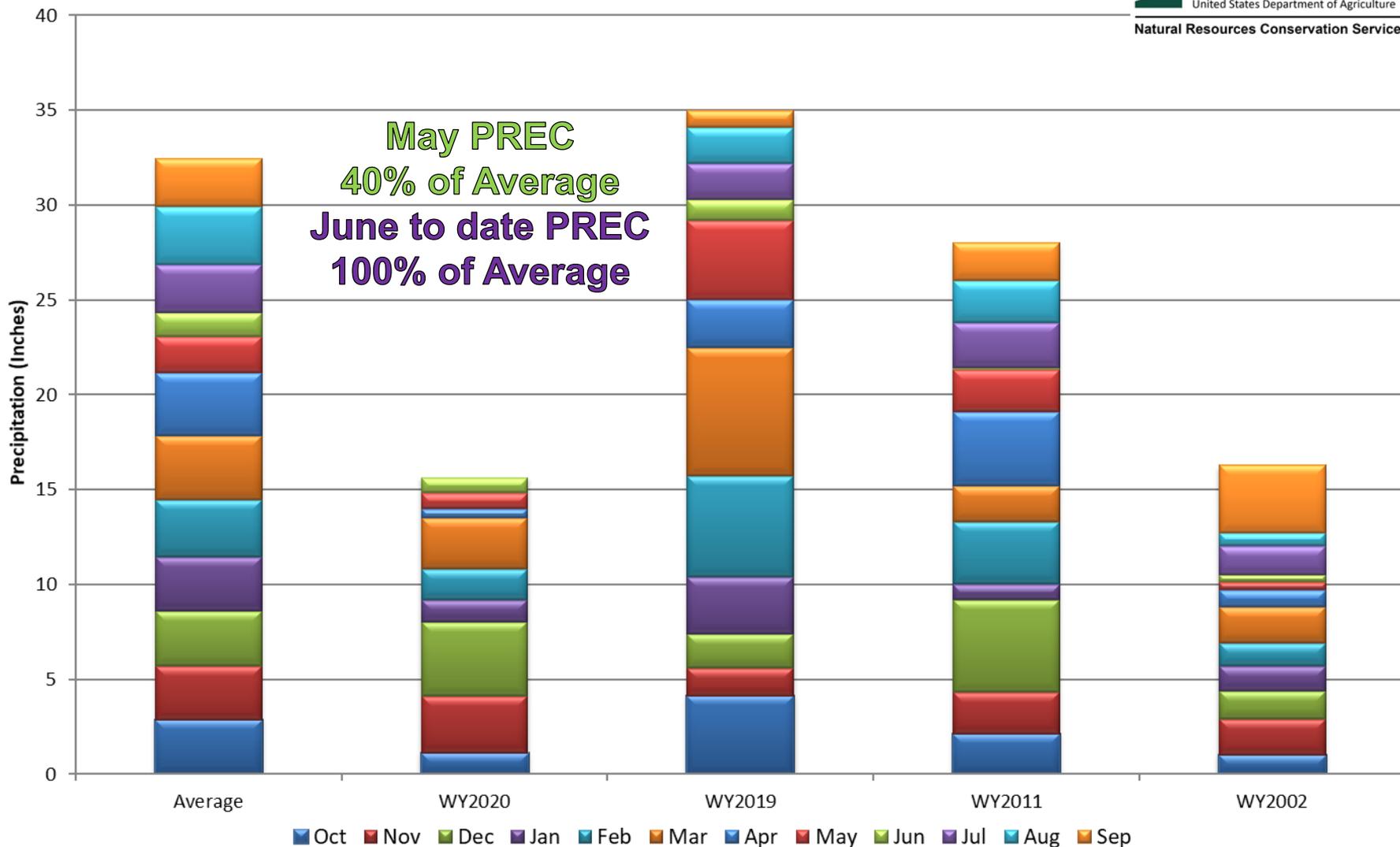
## Upper Rio Grande Basin High/Low Snowpack Summary

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



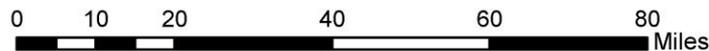
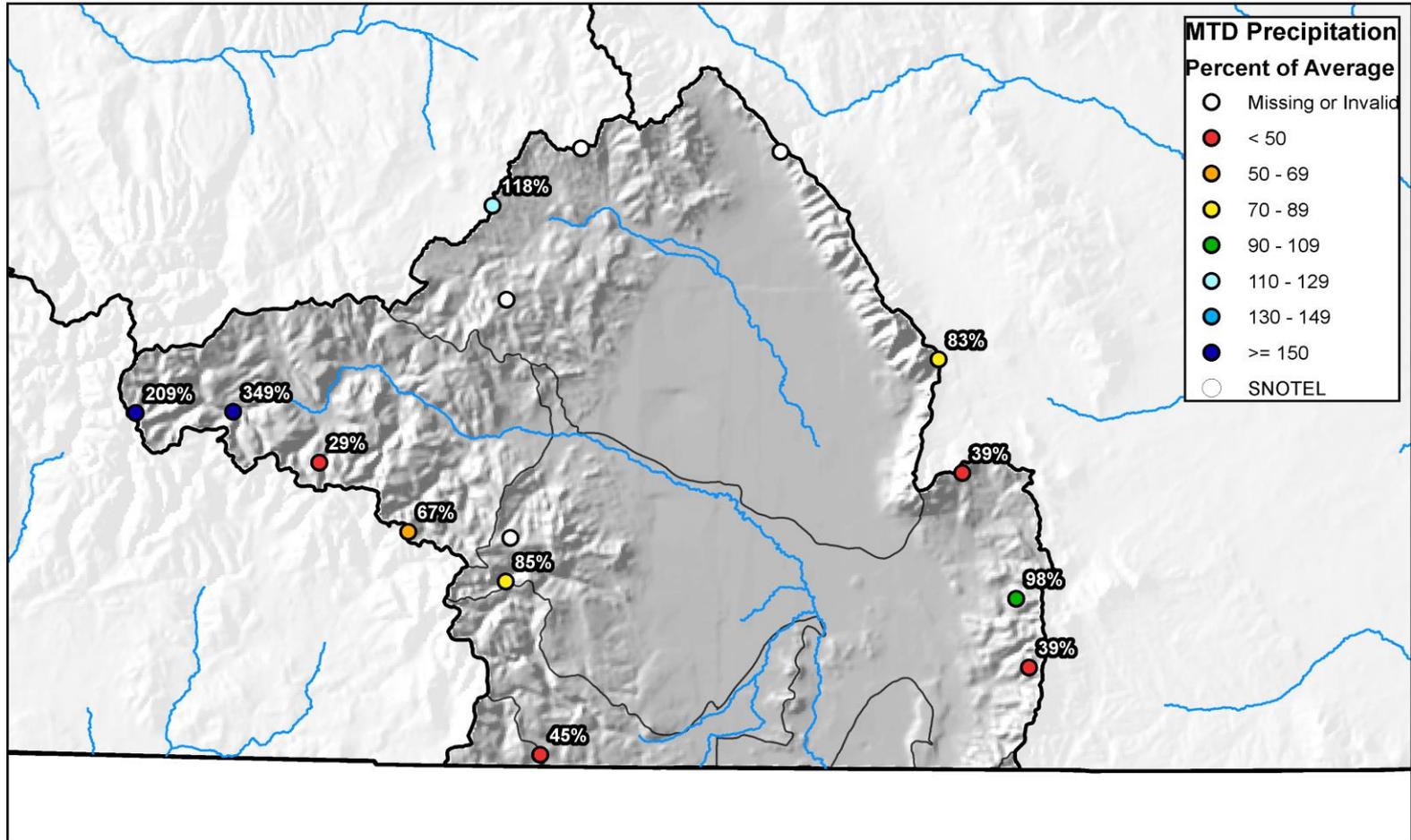
## Upper Rio Grande River Basin High/Low Monthly Precipitation Summary

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



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

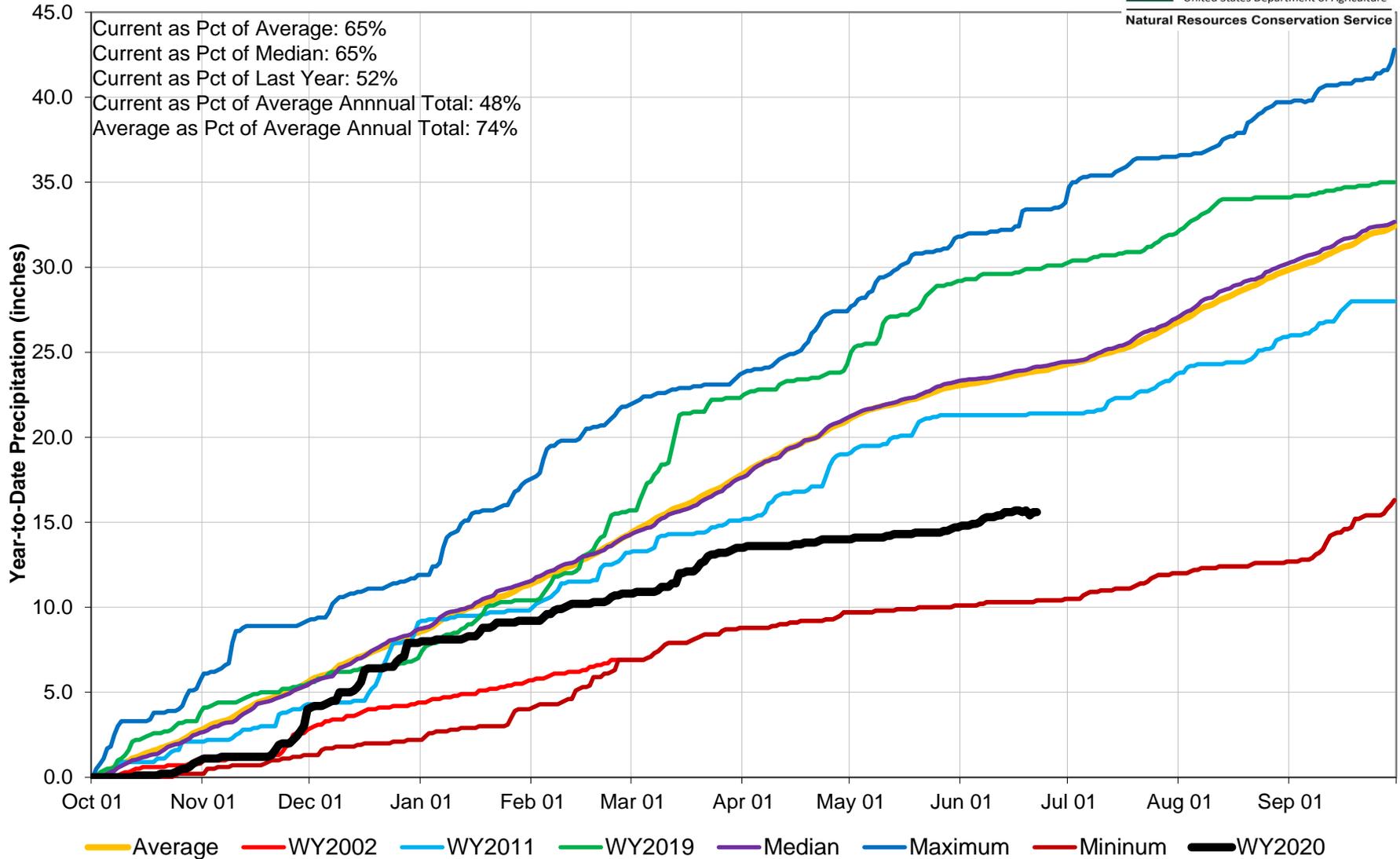
Current as of Jun 22, 2020



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

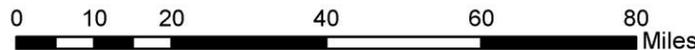
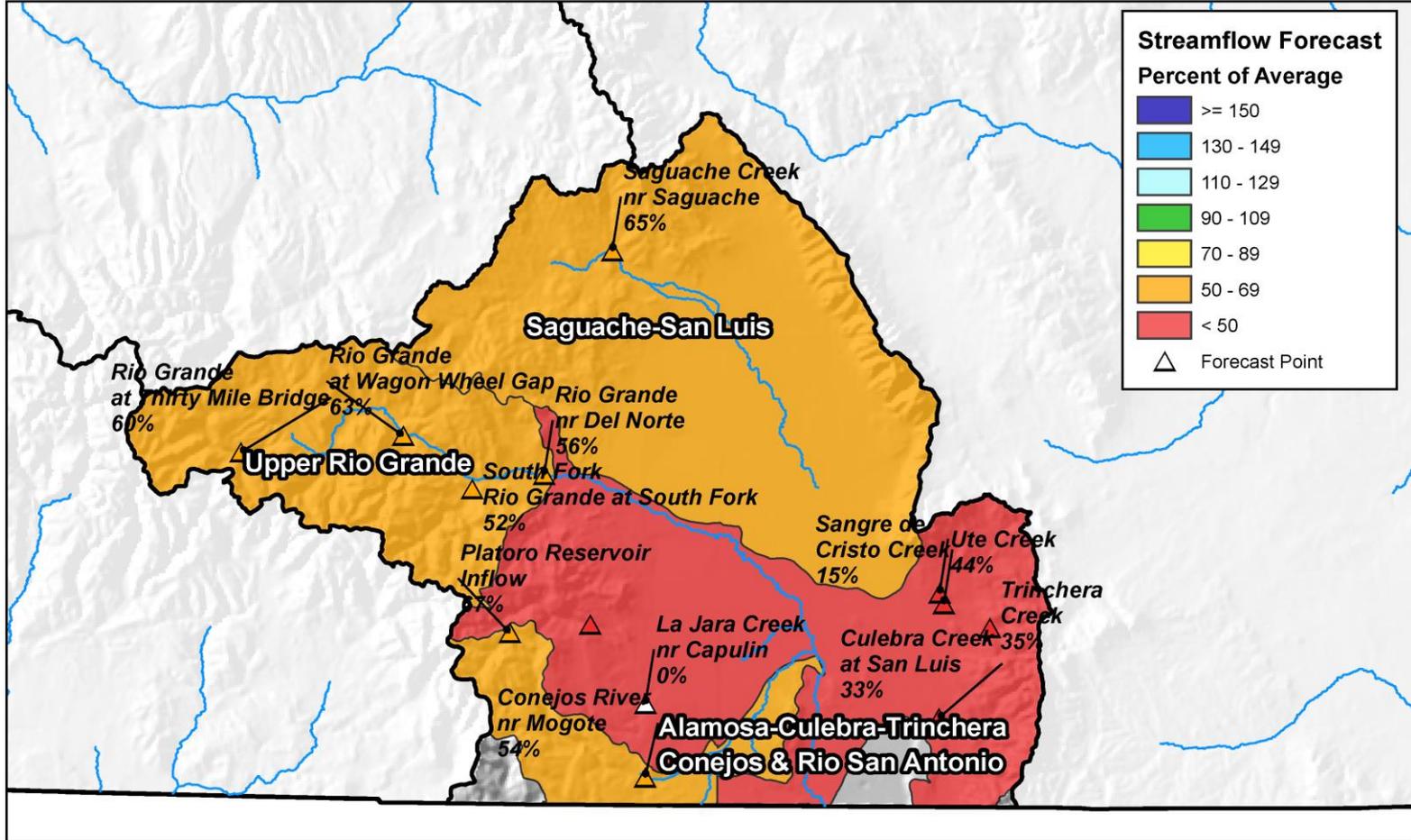
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USDA  
United States Department of Agriculture  
Natural Resources Conservation Service



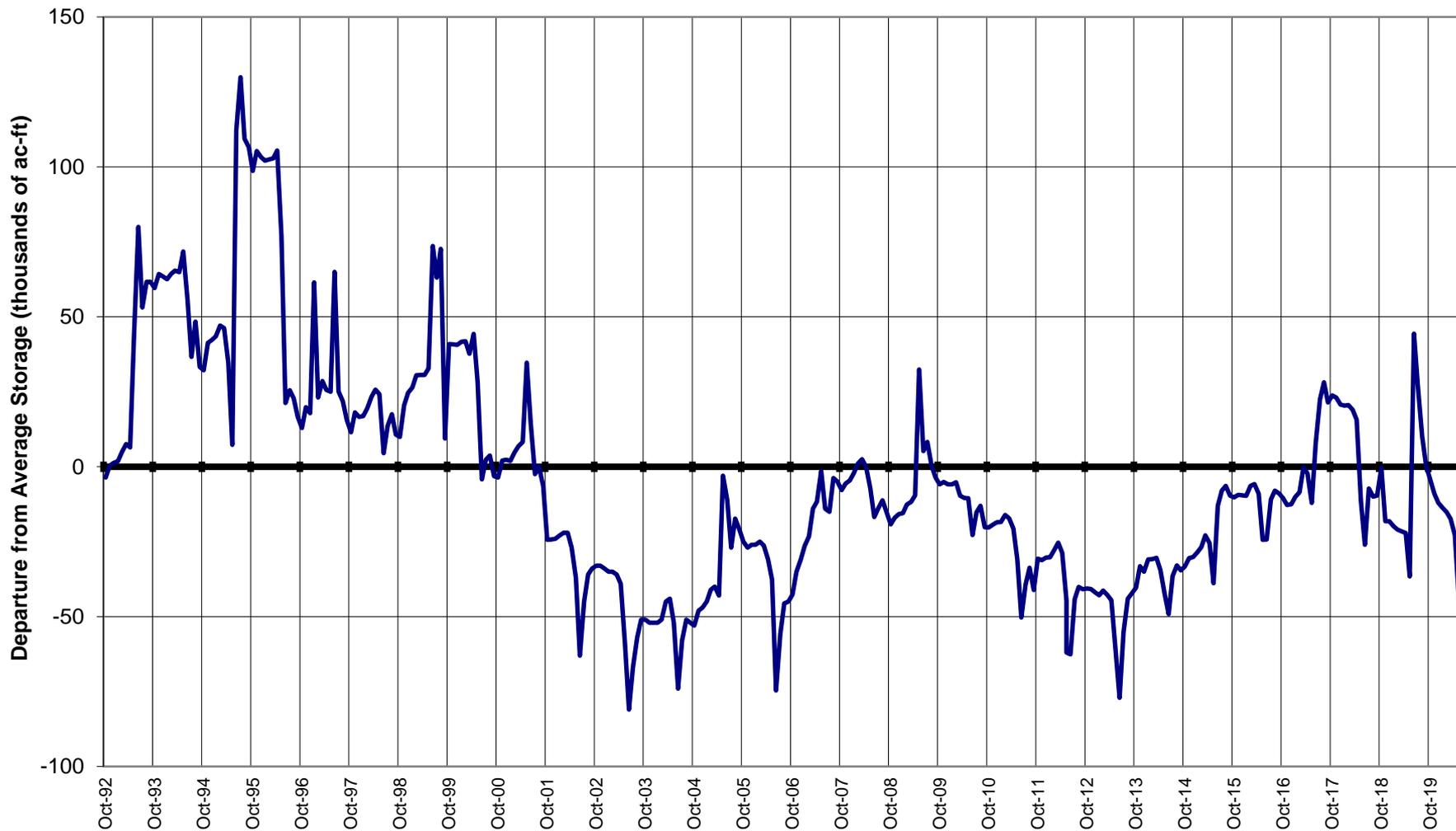
## Upper Rio Grande River Basin Streamflow Forecast Summary

June 1, 2020





## UPPER RIO GRANDE BASIN Reservoir Storage Departure from Average

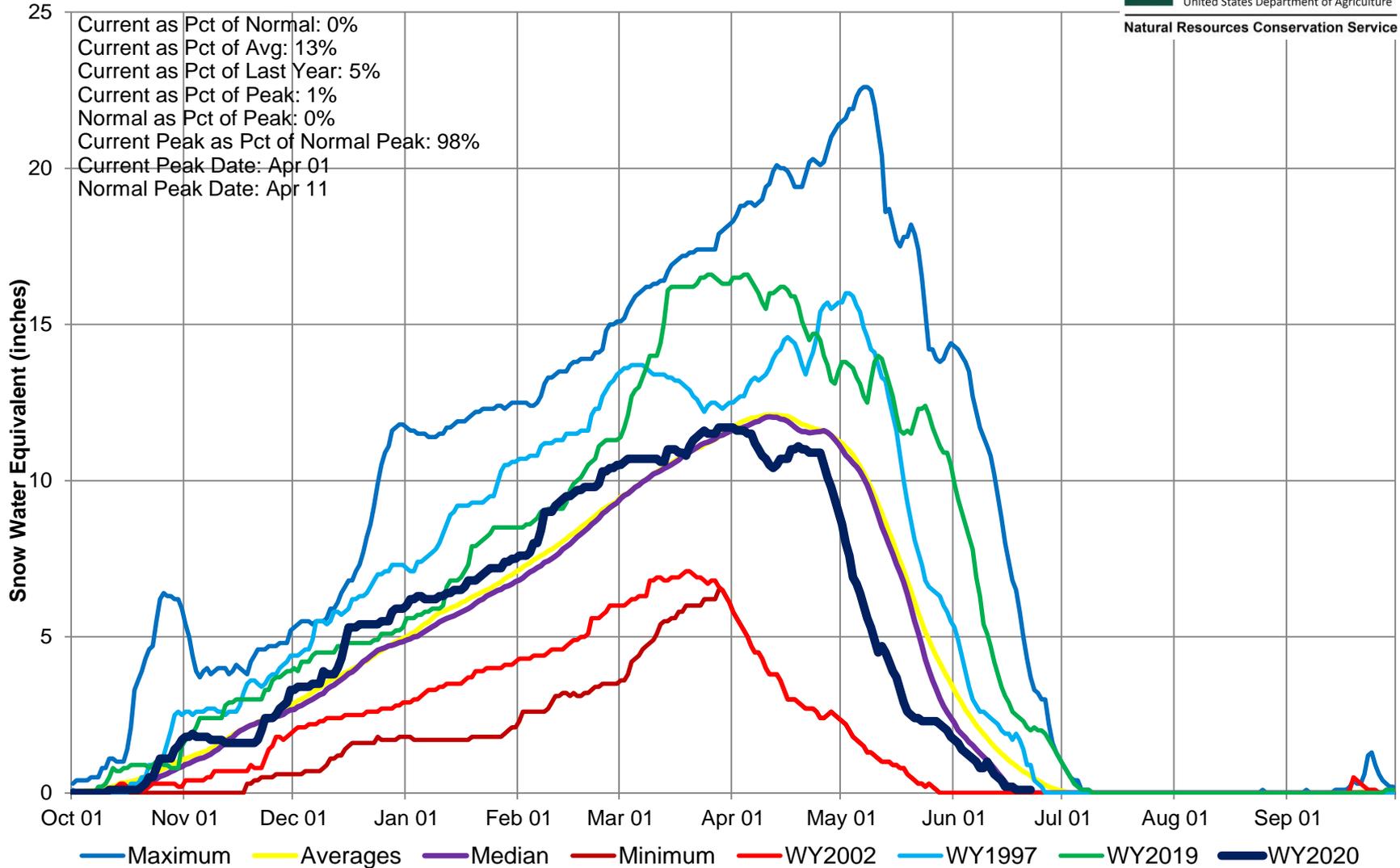




## Arkansas River Basin High/Low Snowpack Summary

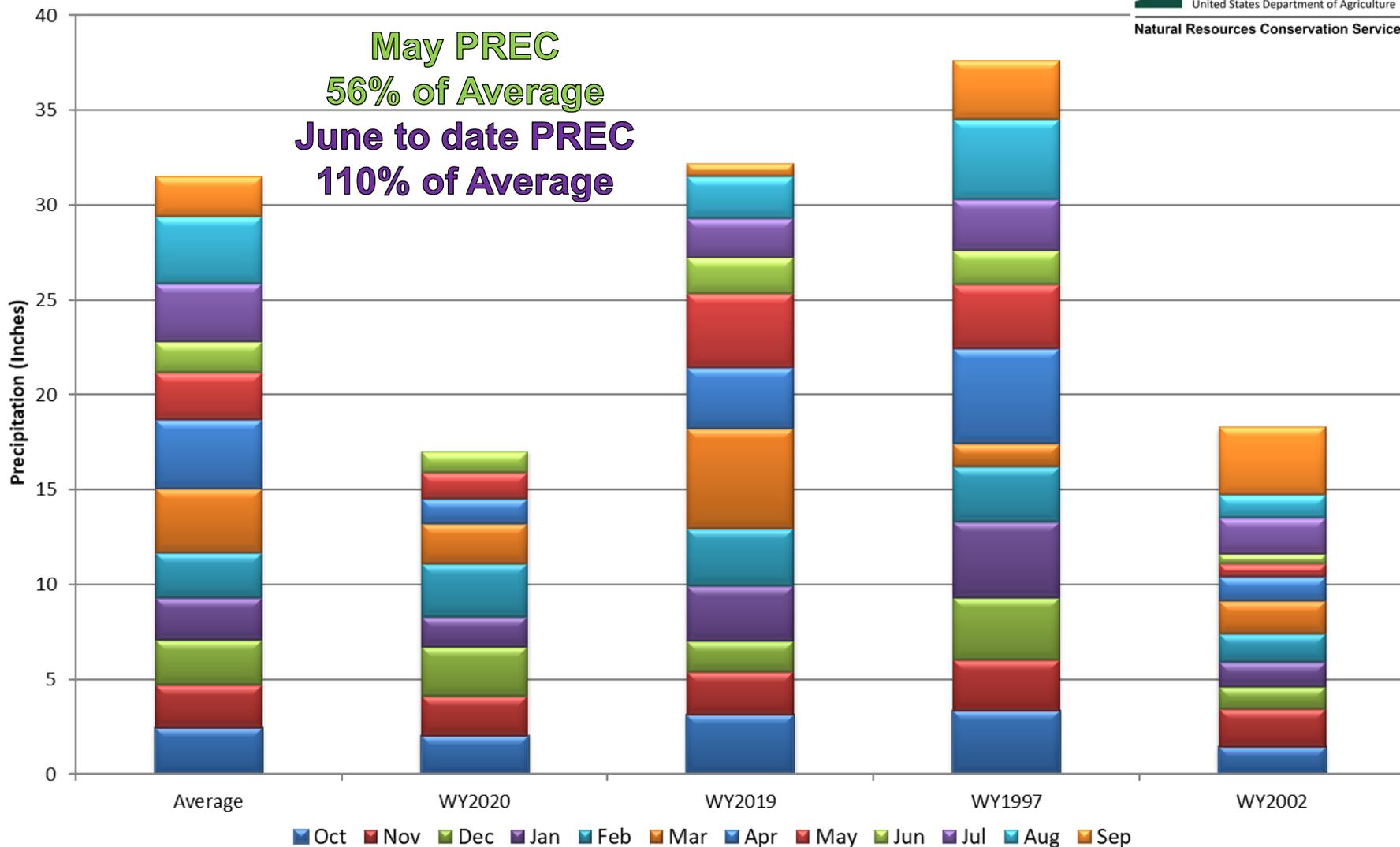
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USDA  
United States Department of Agriculture  
Natural Resources Conservation Service



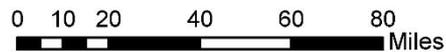
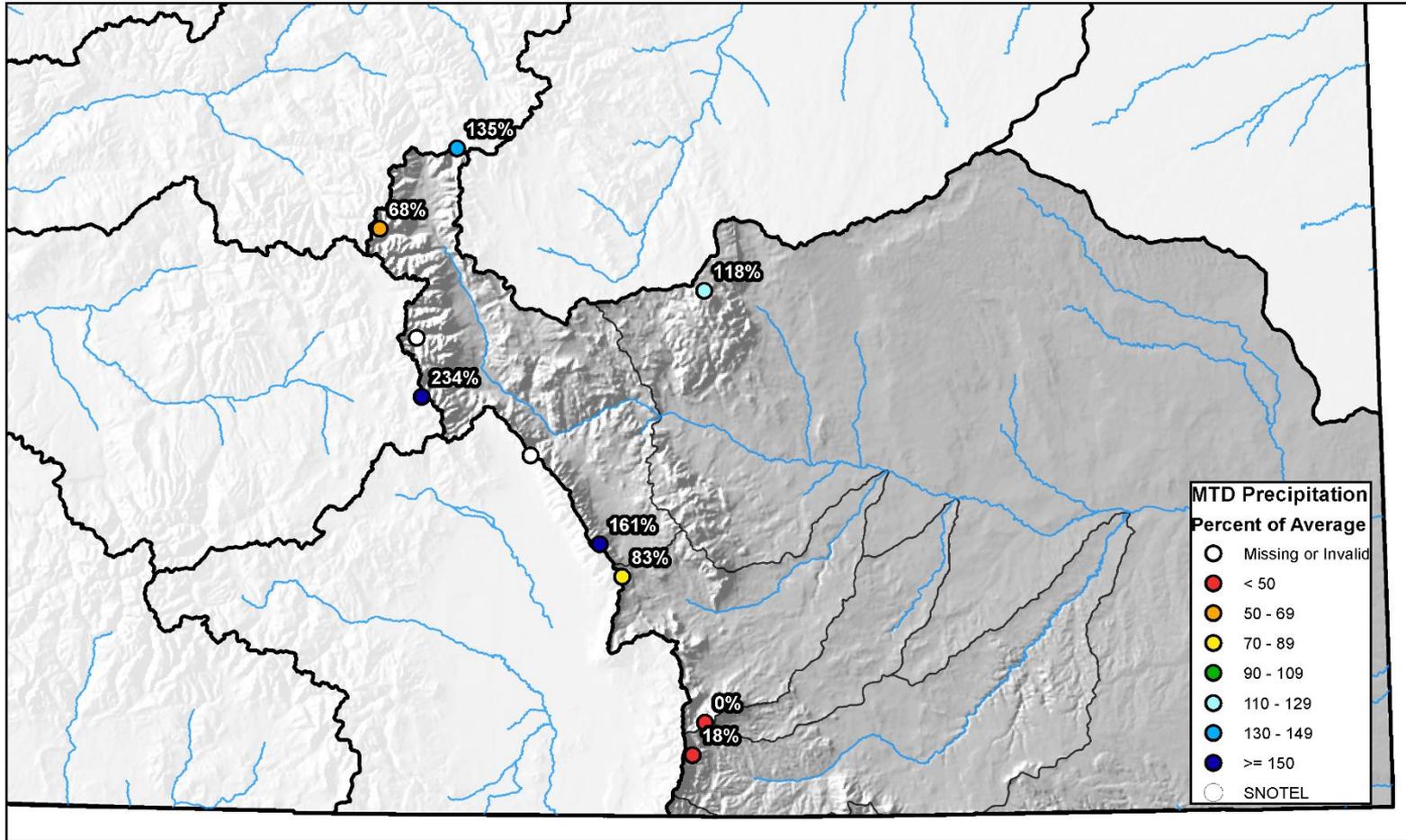
## Arkansas River Basin High/Low Monthly Precipitation Summary

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



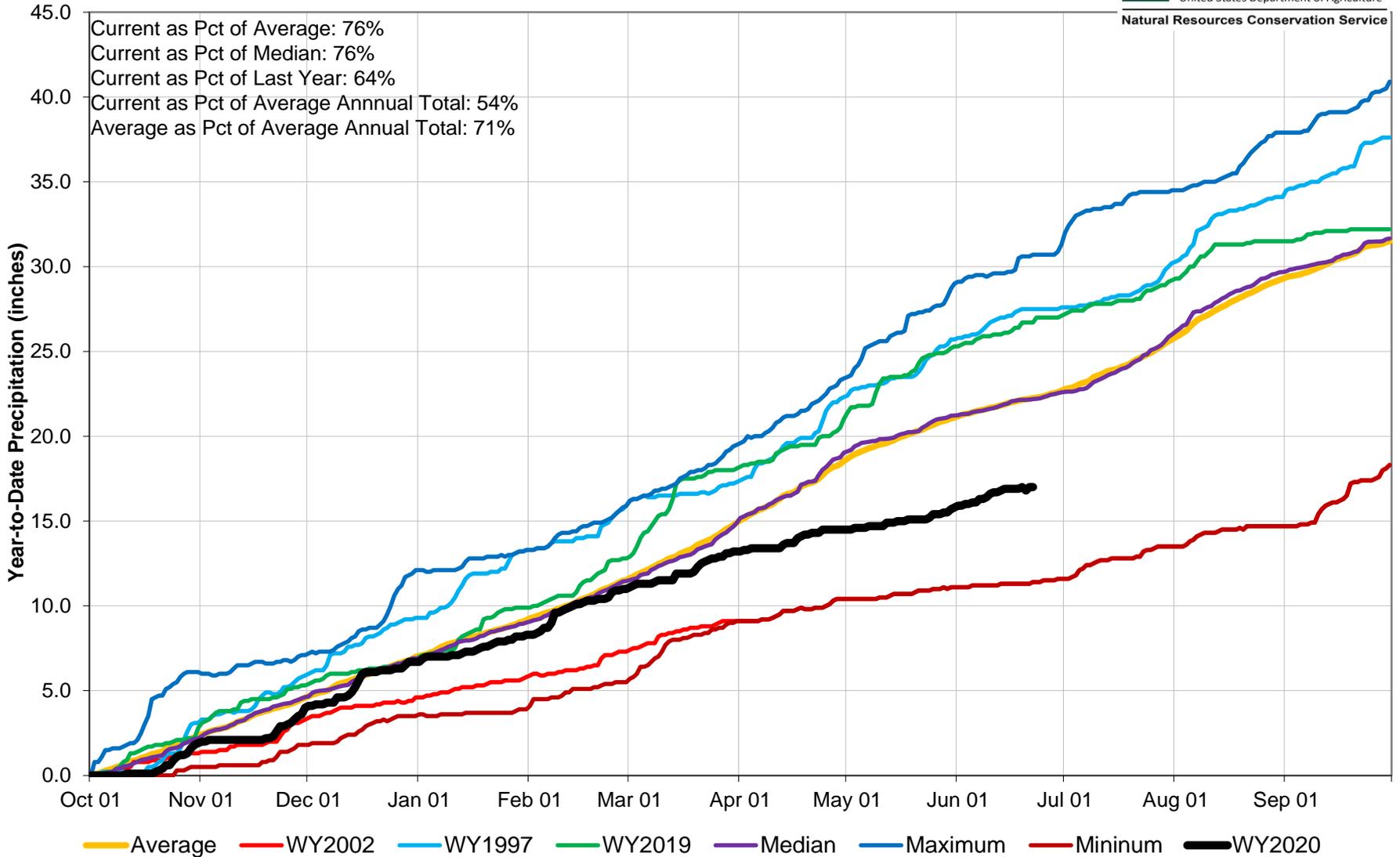
## Arkansas River Basin Month to Date Precipitation Summary

Current as of Jun 22, 2020



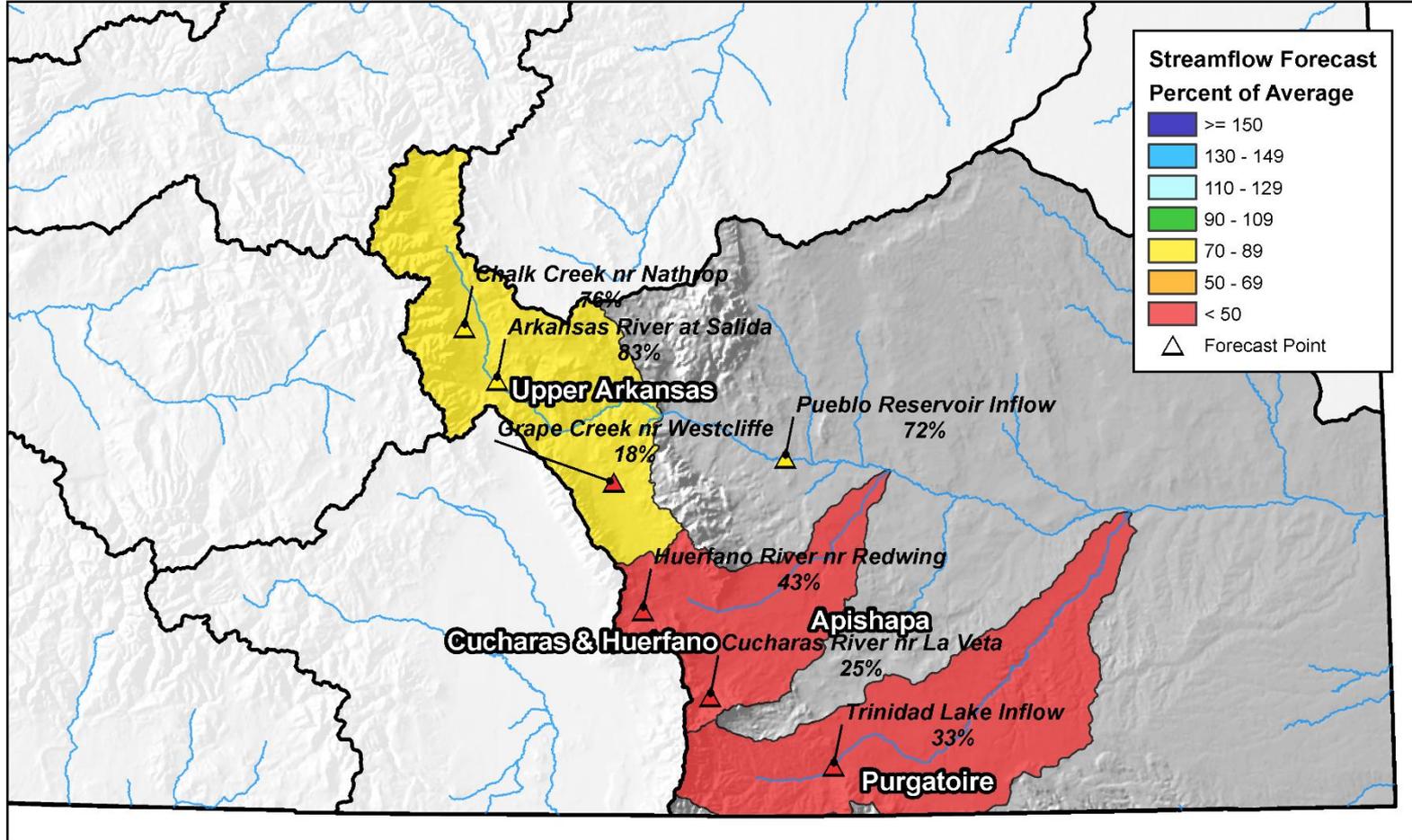
## Arkansas River Basin High/Low Year-to-Date Precipitation Summary

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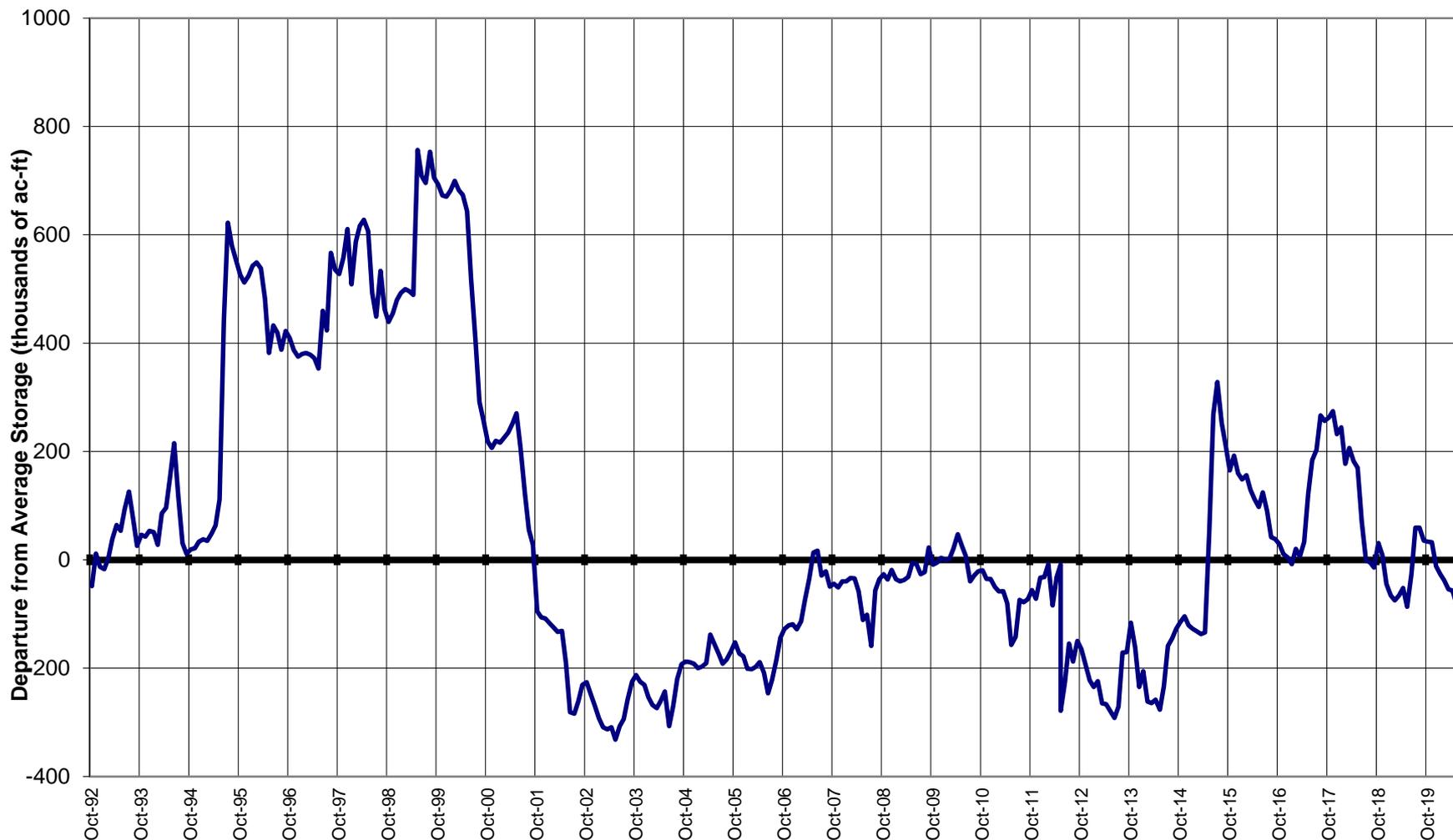


## Arkansas River Basin Streamflow Forecast Summary

June 1, 2020

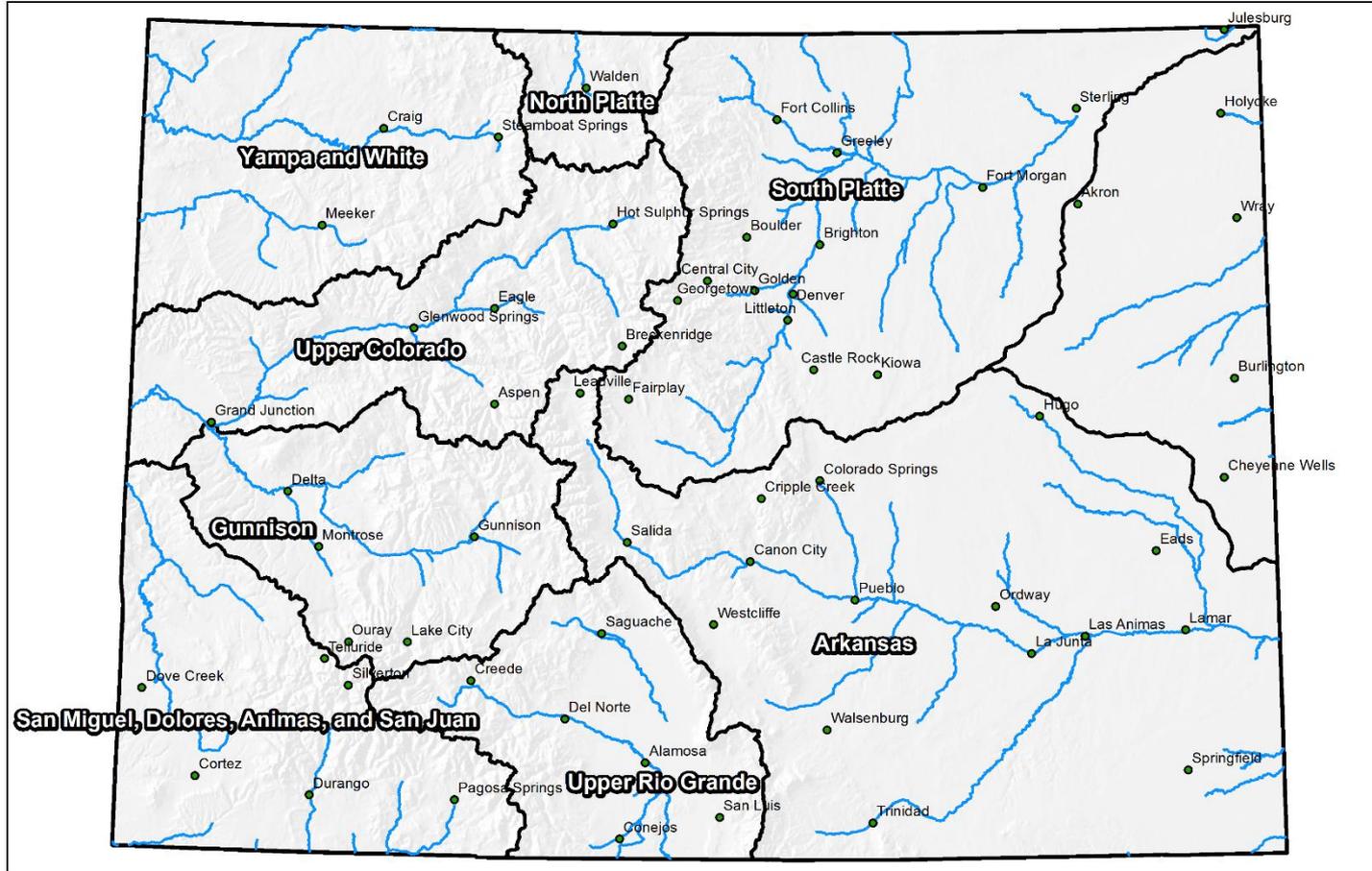


## ARKANSAS RIVER BASIN Reservoir Storage Departure from Average



## Colorado Statewide Summary

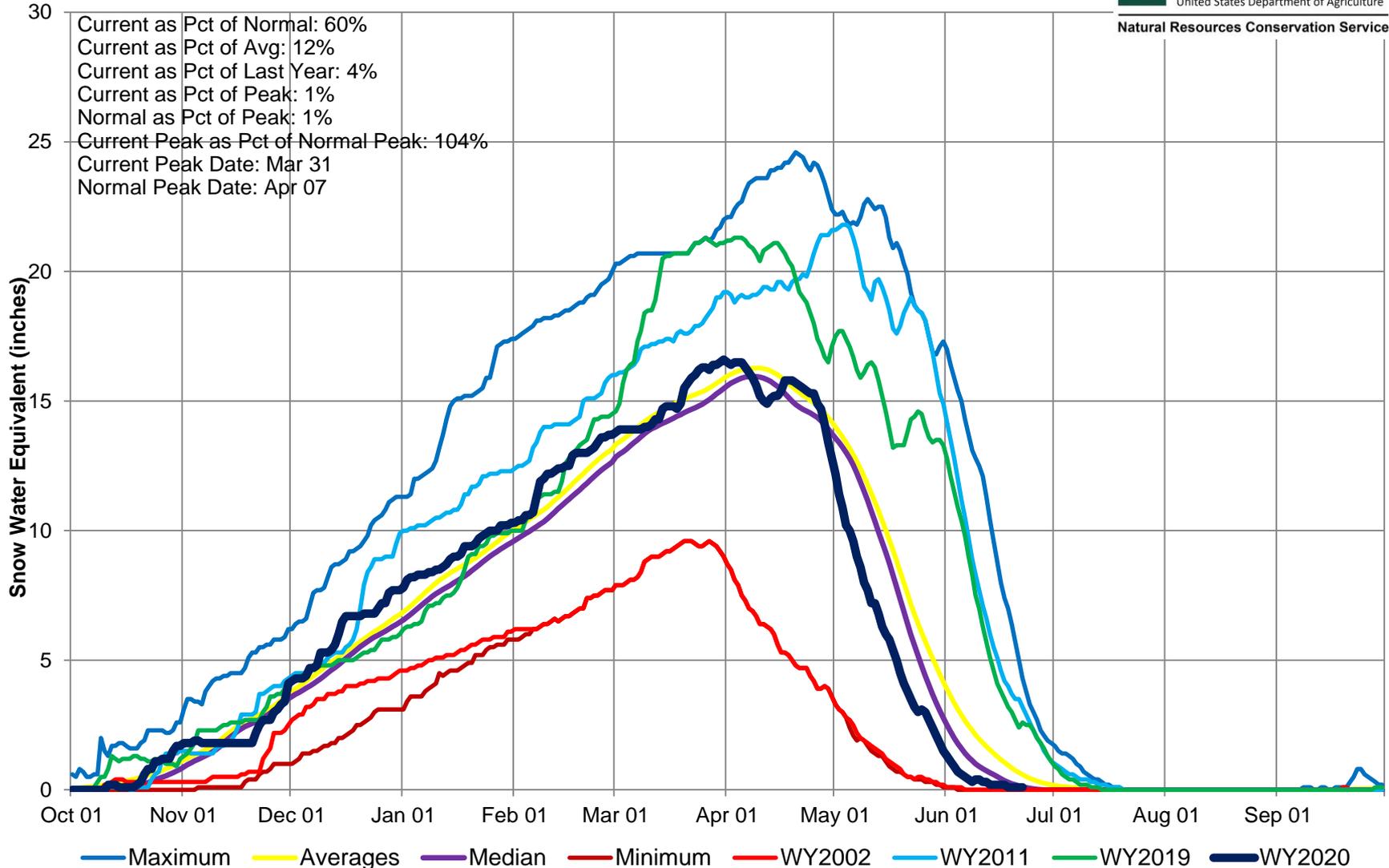
Colorado Major Basins

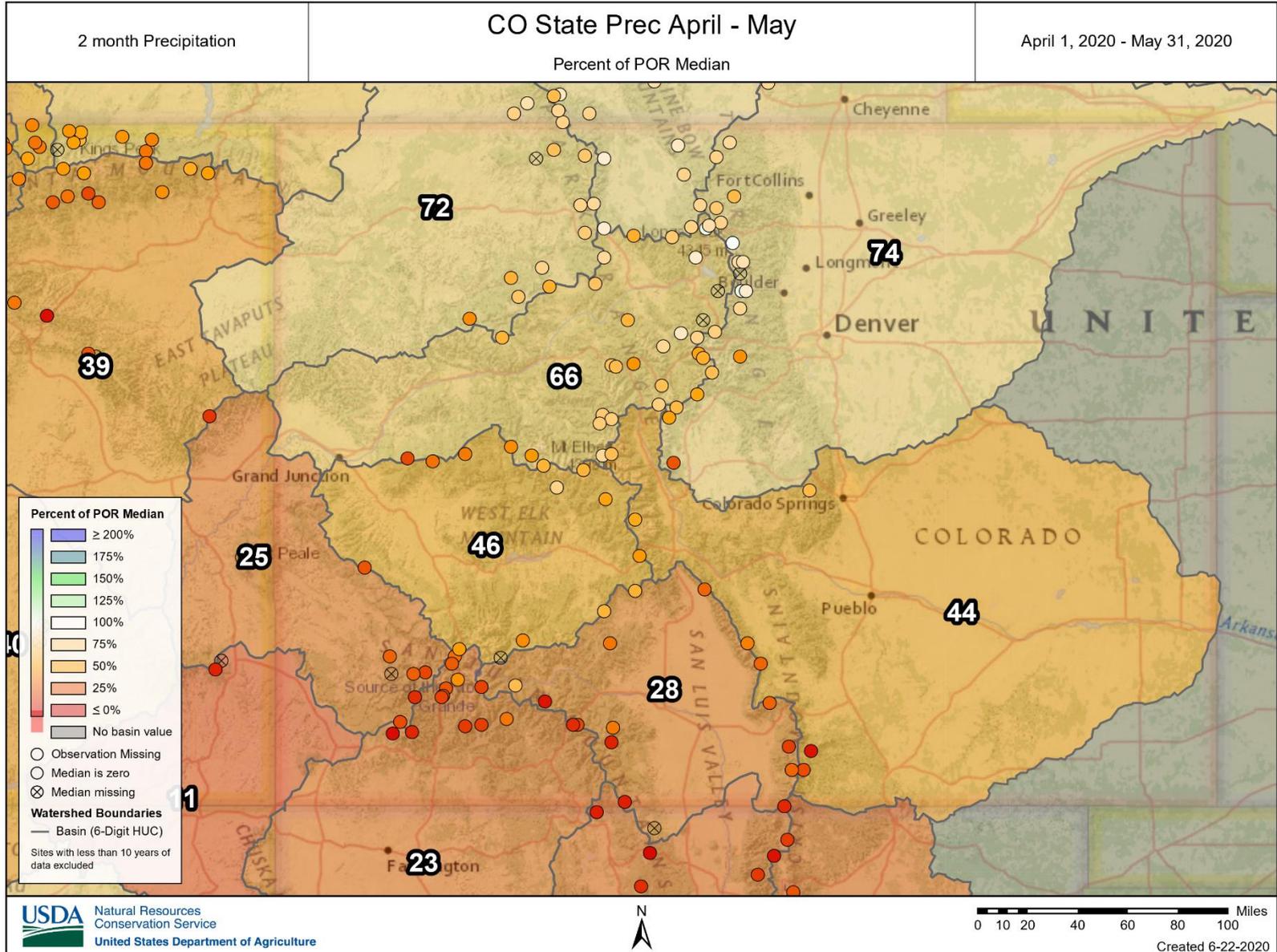




## Colorado Statewide High/Low Snowpack Summary

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

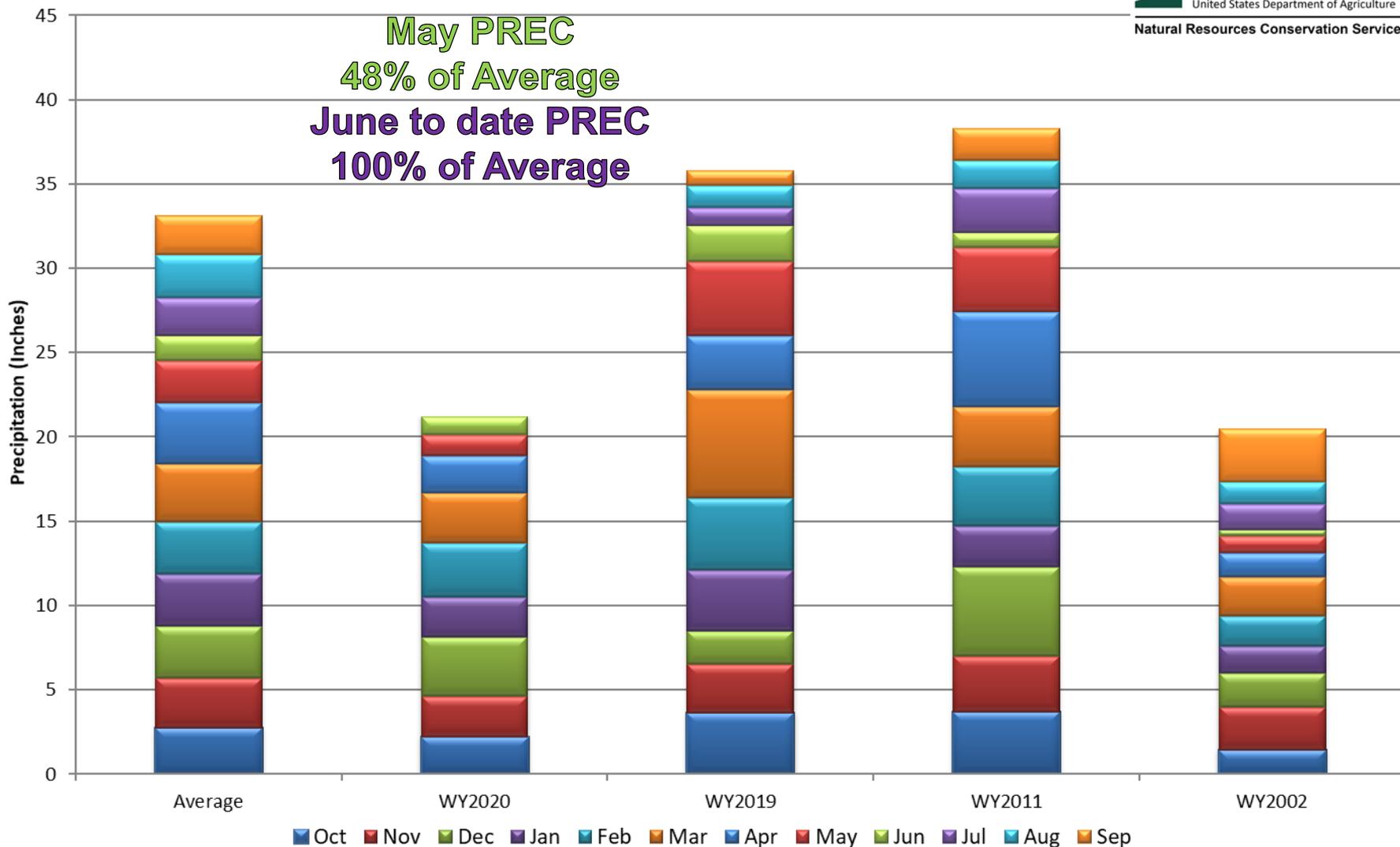




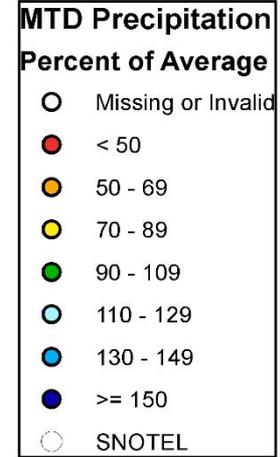
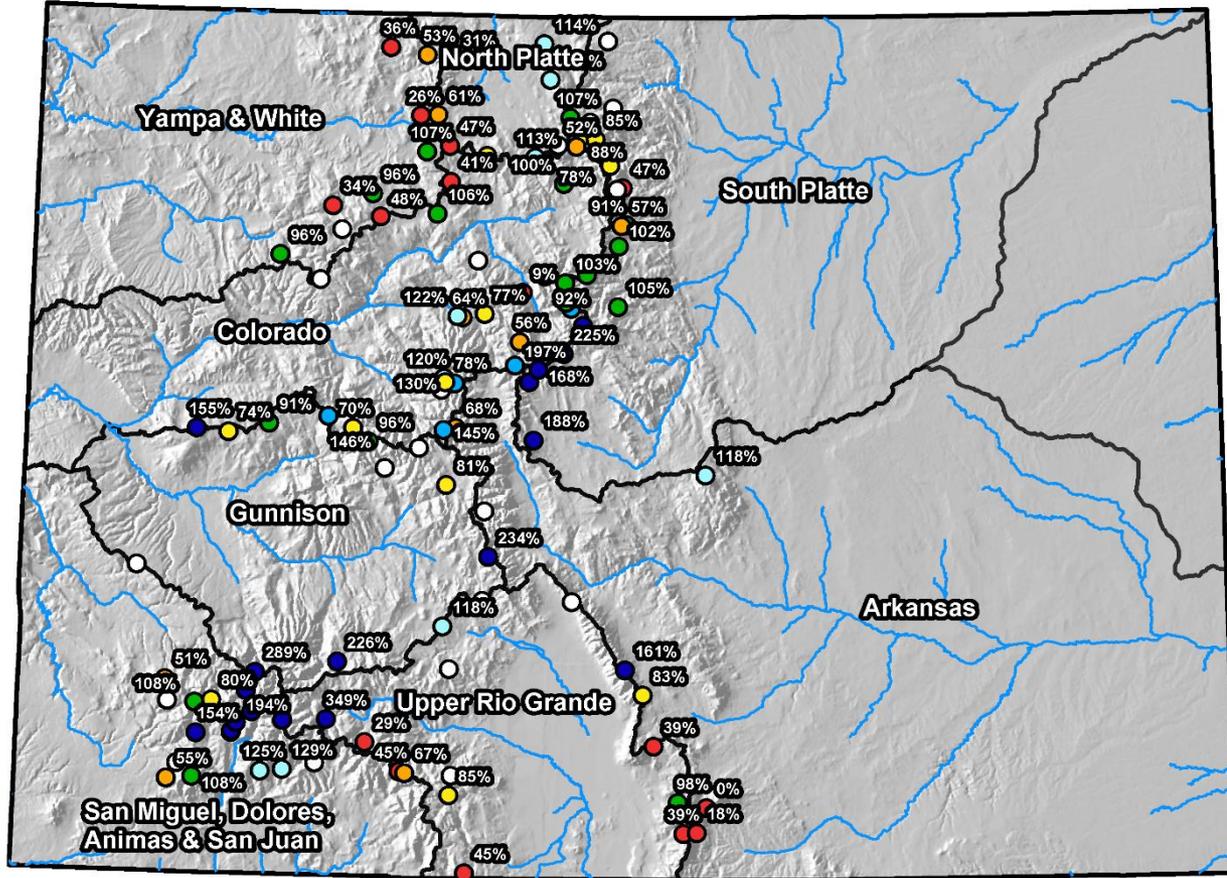
## Colorado Statewide High/Low Monthly Precipitation Summary

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

**May PREC**  
**48% of Average**  
**June to date PREC**  
**100% of Average**



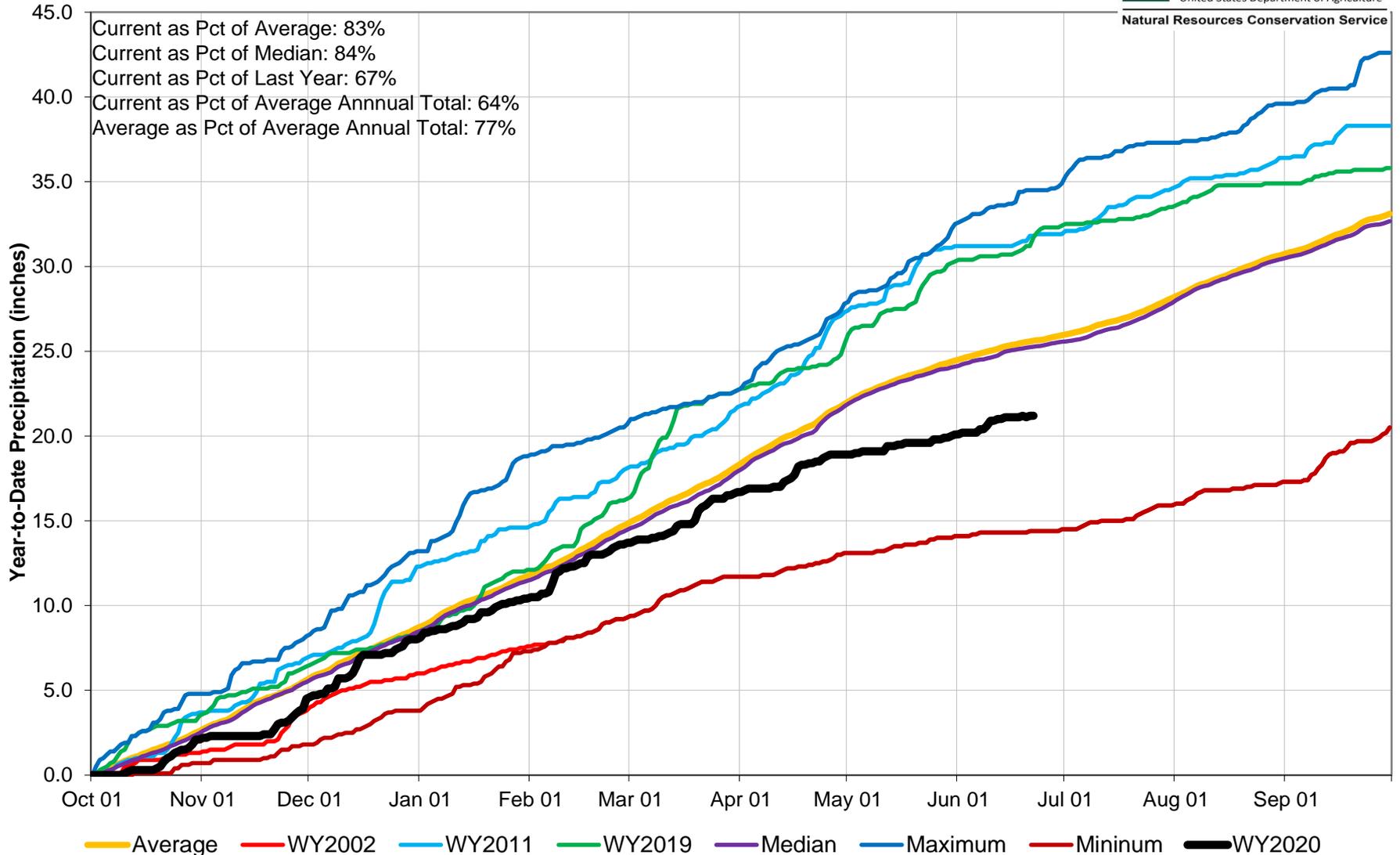
## Colorado SNOTEL Month-to-Date Precipitation Current as of Jun 22, 2020





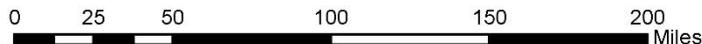
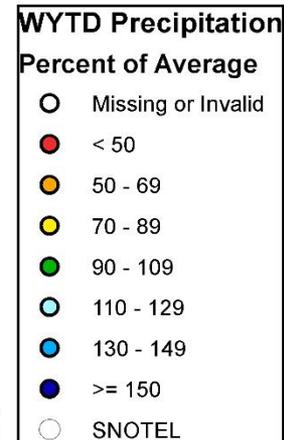
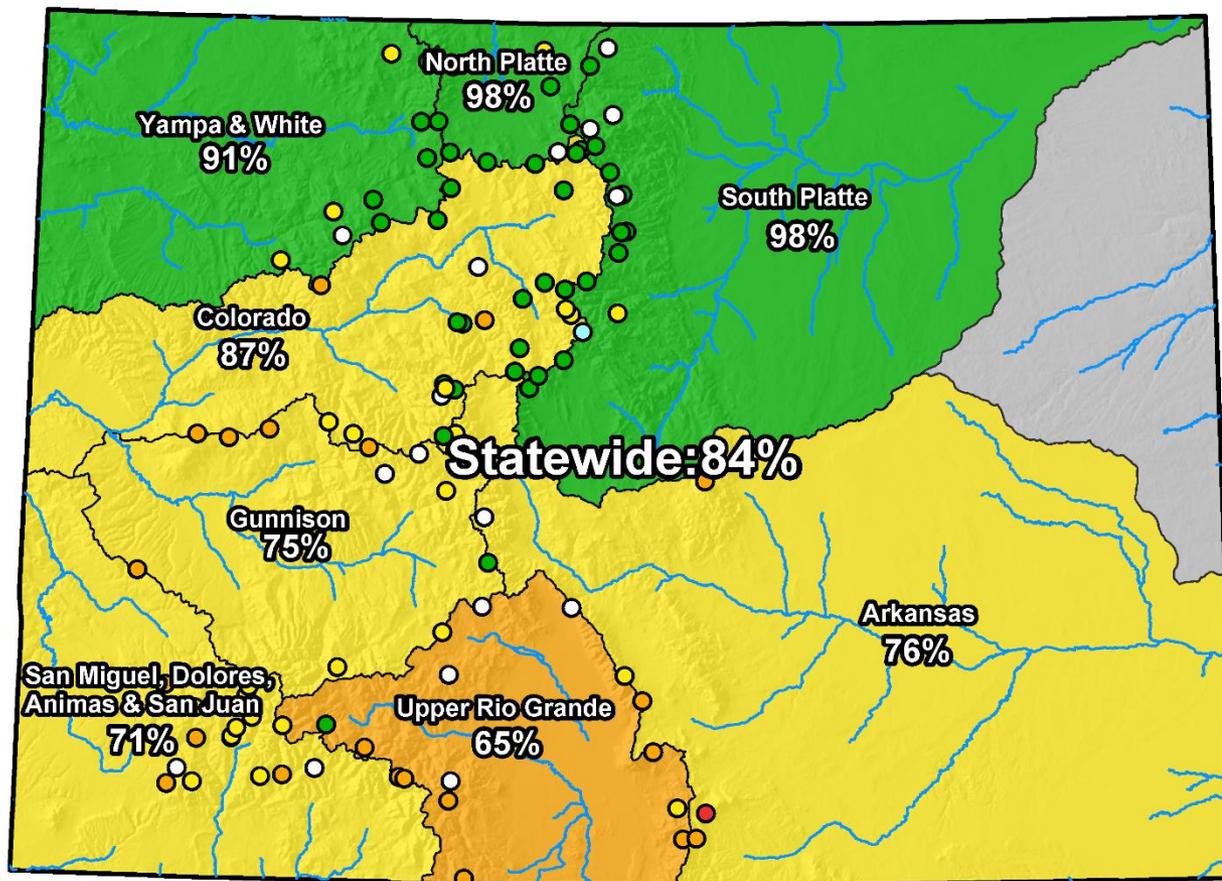
## Colorado Statewide High/Low Year-to-Date Precipitation Summary

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

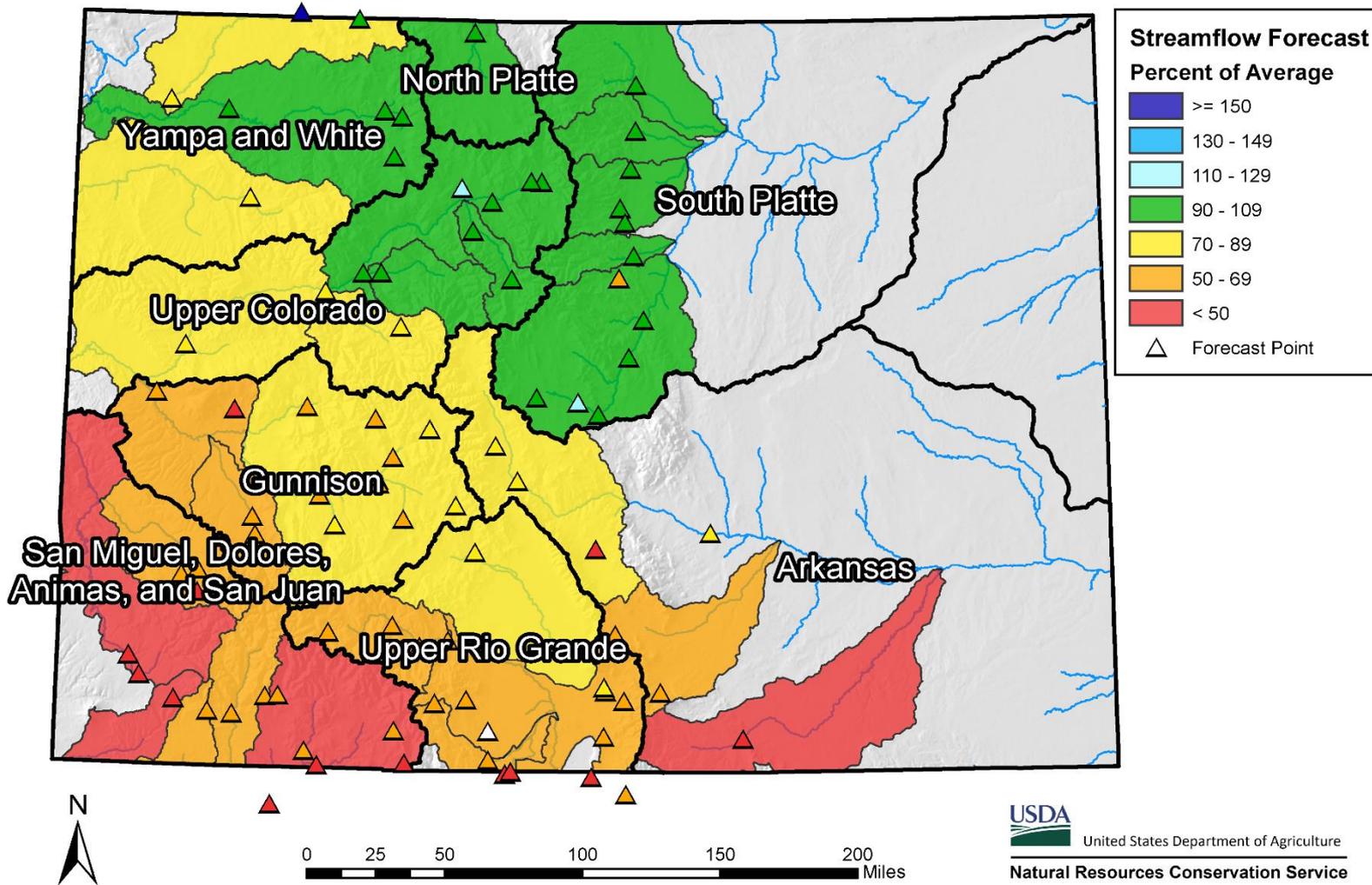


## Colorado SNOTEL Water Year to Date Precipitation

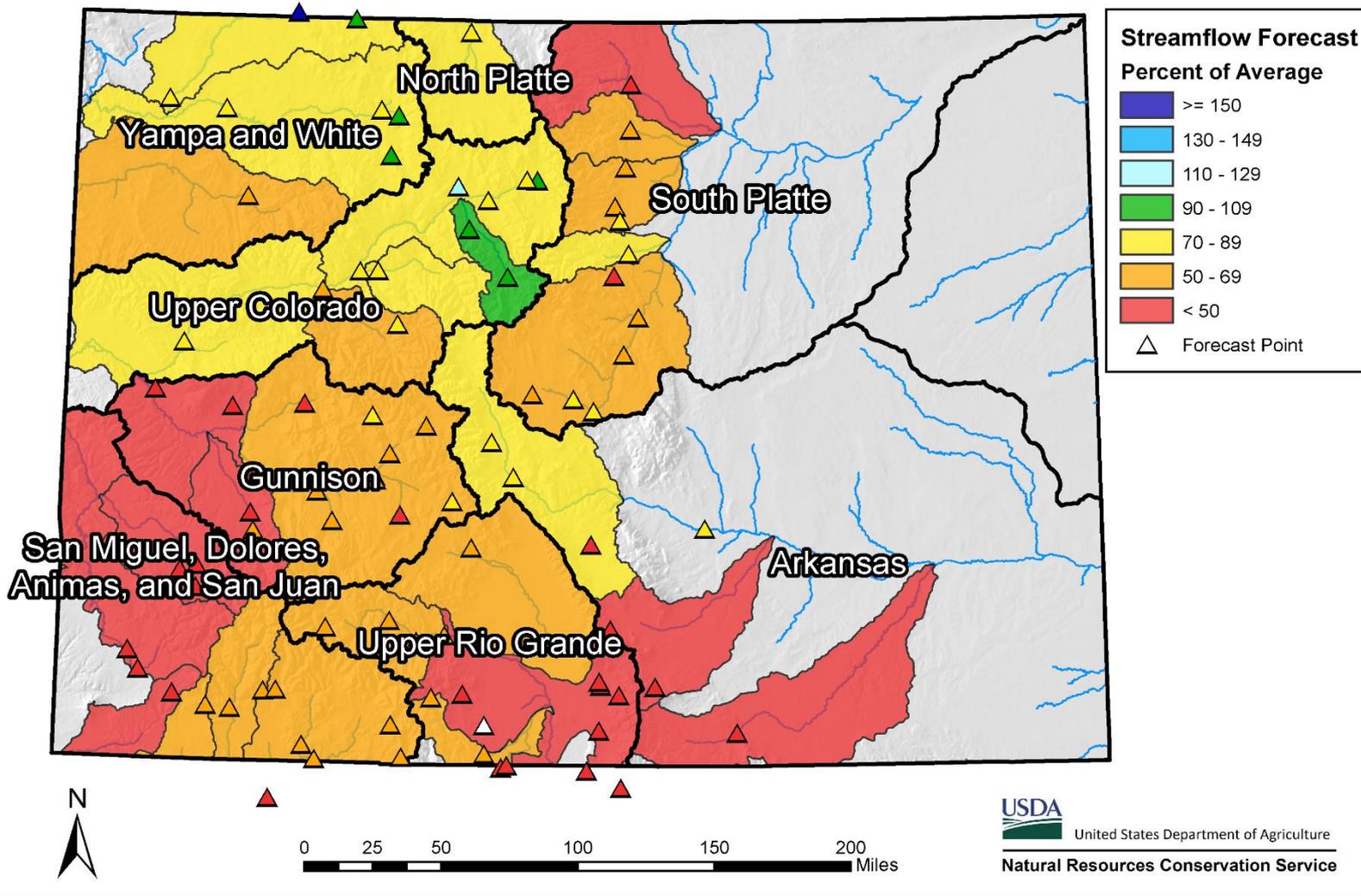
Current as of Jun 22, 2020



## Colorado Streamflow Forecasts Summary May 1, 2020

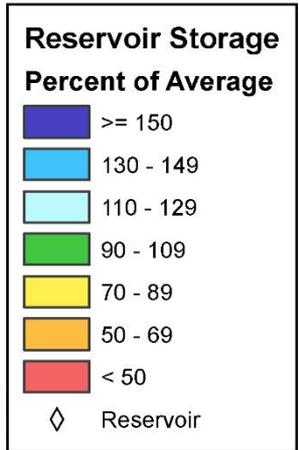
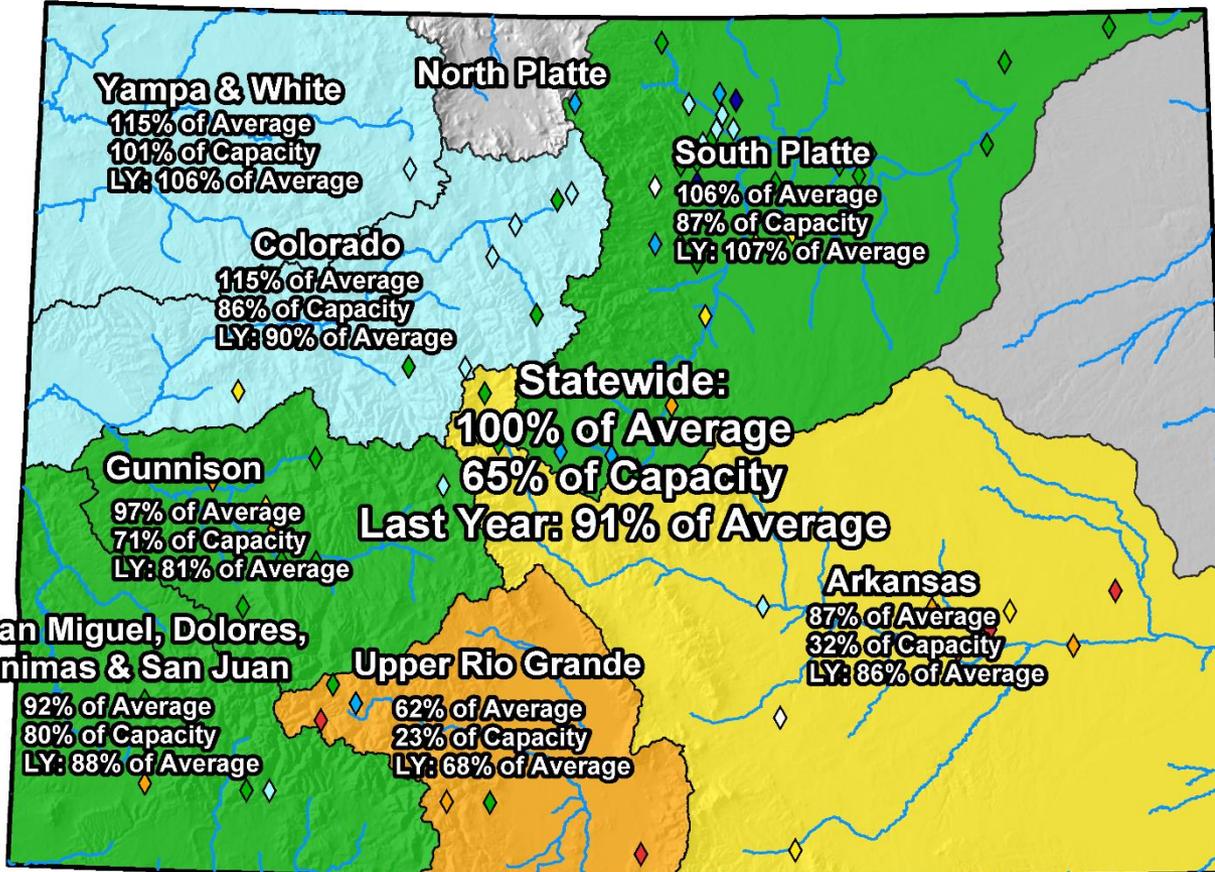


## Colorado Streamflow Forecasts Summary June 1, 2020



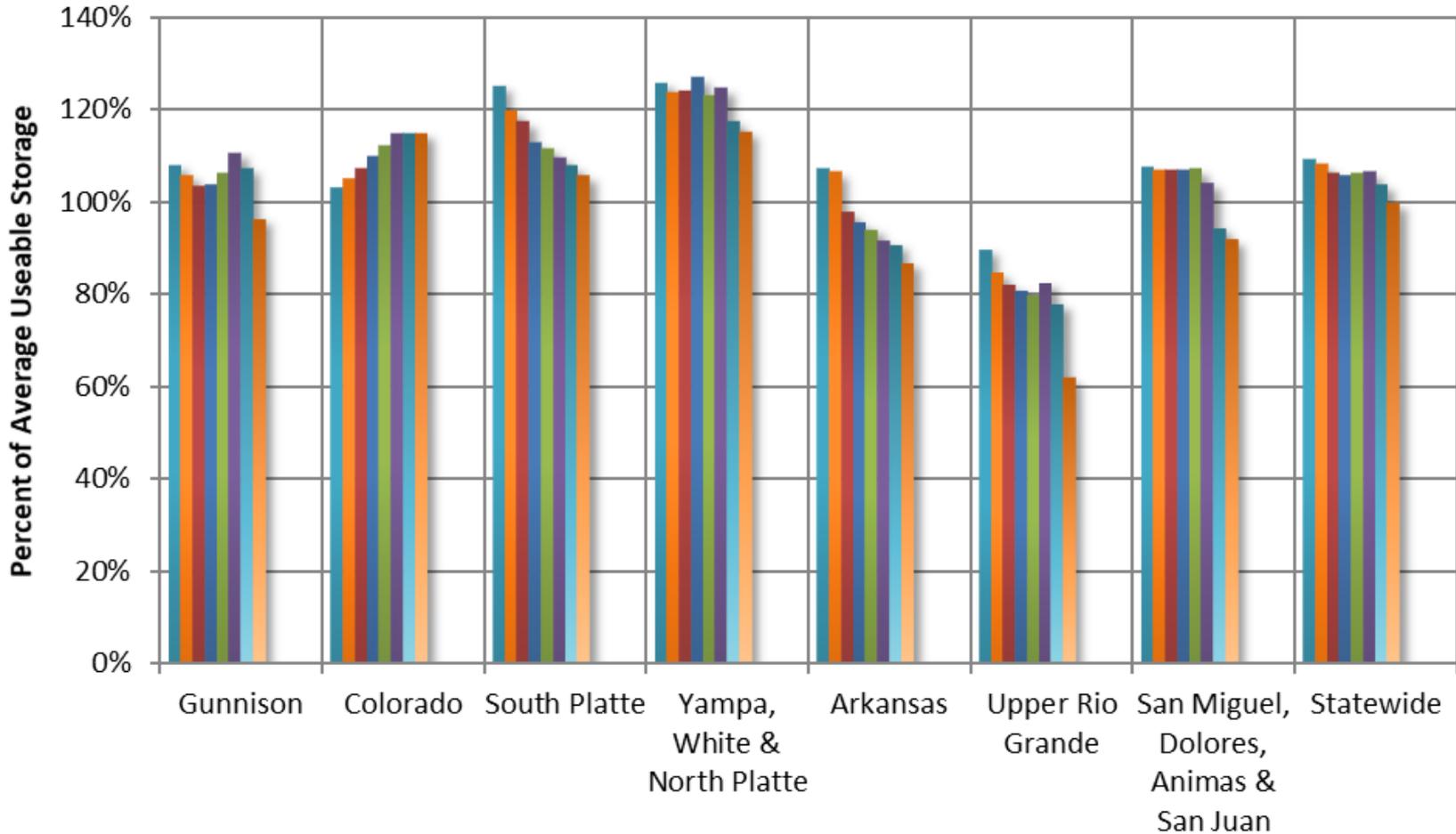
## Colorado Monthly Reservoir Storage Summary

End of May 2020



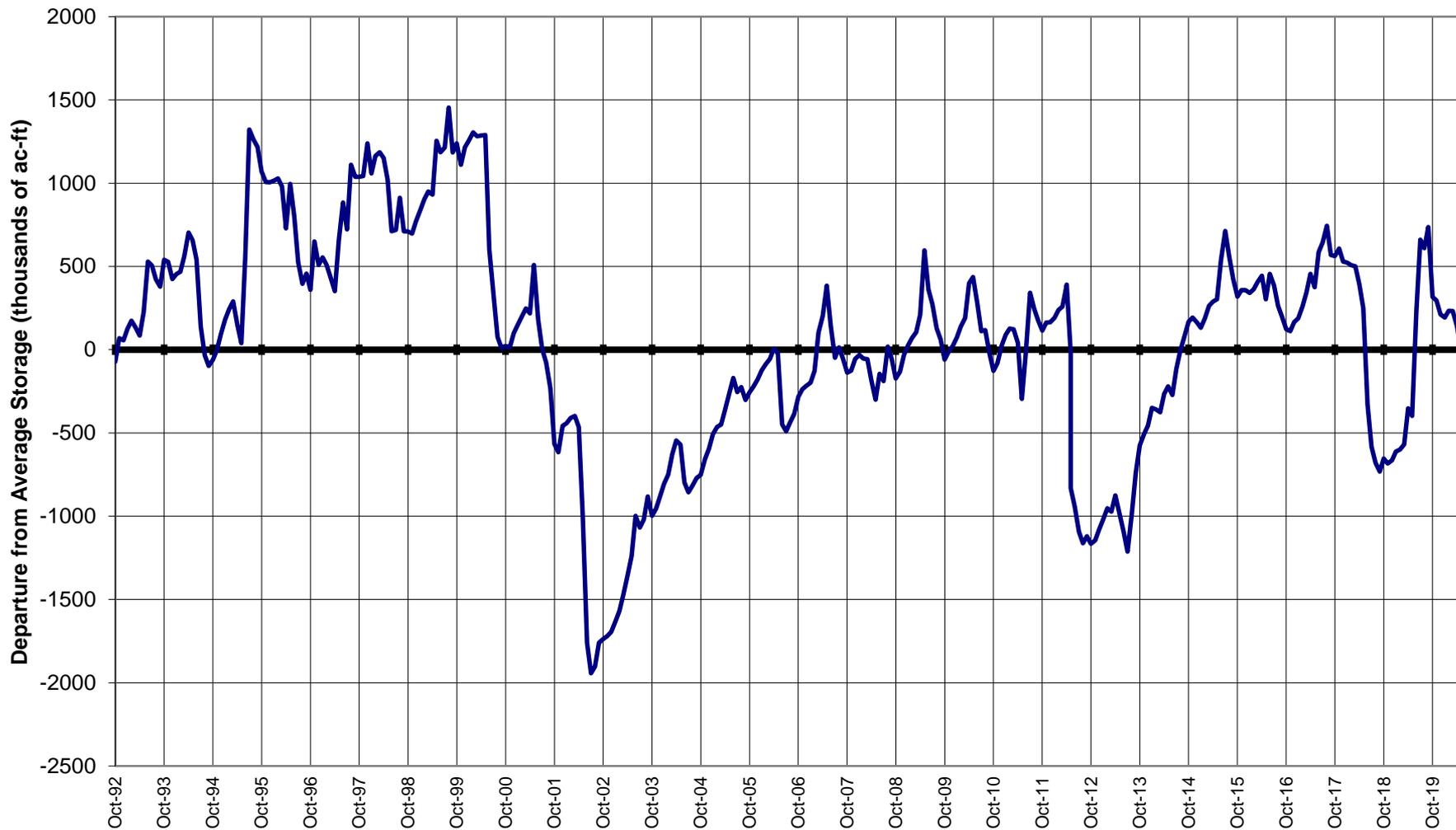
## Colorado Reservoir Storage

■ 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



# Summary

- **Statewide snowpack peaked near 100% of median in 2021**
  - Better in NE Mountains, but over all near normal across the state
- **Statewide mountain precipitation was well below normal April through May**
- **June so far near normal precipitation across the state with focused pockets of above average in central mtns and Northern San Juans**
- **Basin-wide reservoir storage remains average statewide**
  - Better than average in Northern Colorado
  - Below average in Southern Colorado
  - Rio Grande Basin wide storage 62% of average
- **Streamflow forecasts dropped sharply in Northern Mountains**
  - Dry fall and spring precip having implications on stream flow forecasts
  - Central mountains forecasts decreased from last month



# Water Availability Task Force Meeting

June 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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