



United States Department of Agriculture

Colorado Snow Surveys

Water Availability Task Force Meeting

June 23rd, 2020

NRCS Snow Survey and Water Supply Forecasting Program

Brian Domonkos

Hydrologist

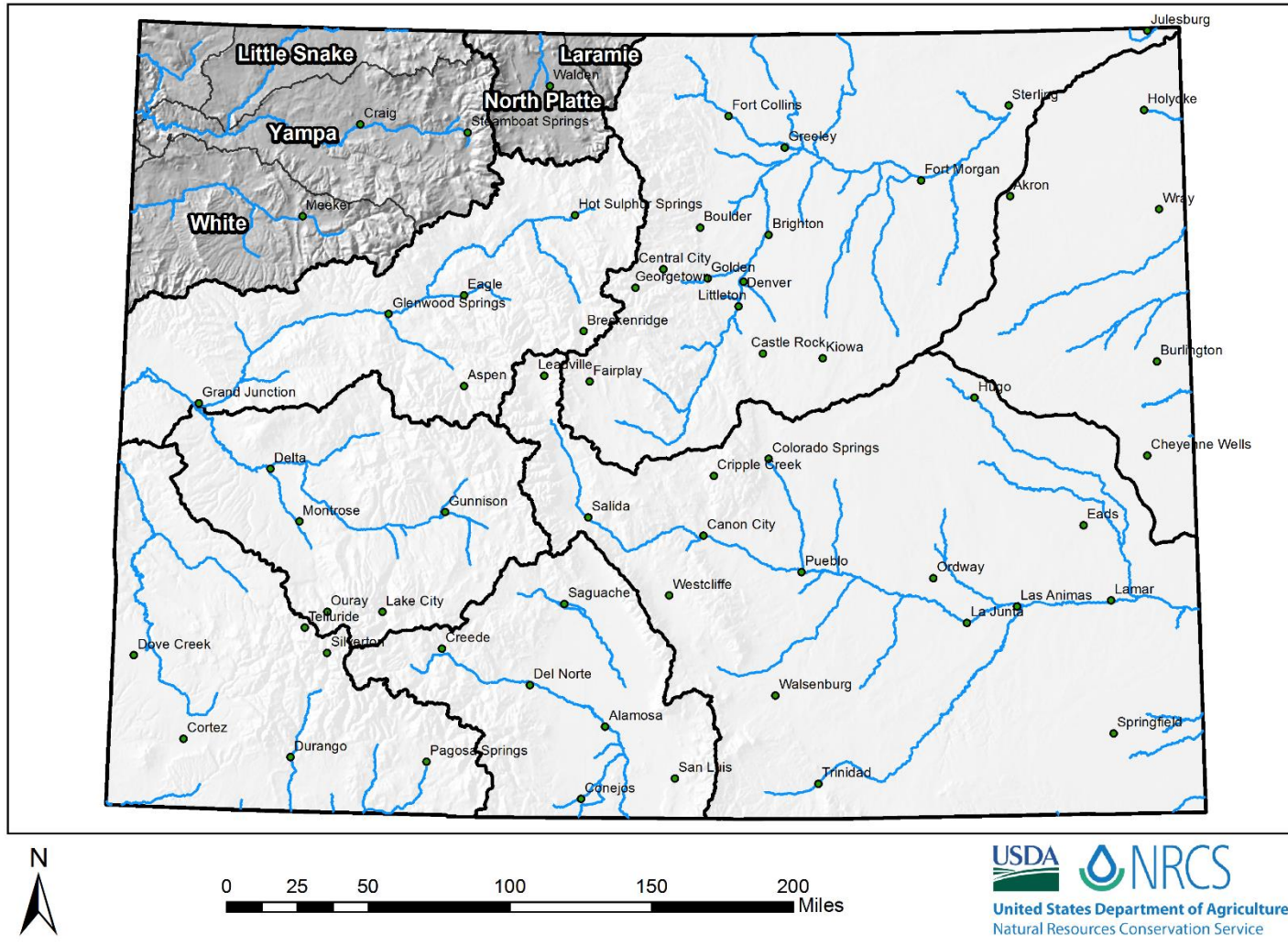
Colorado Snow Survey Supervisor

720-544-2852

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

Major Basin Summary

Yampa, White, and North Platte River Basins





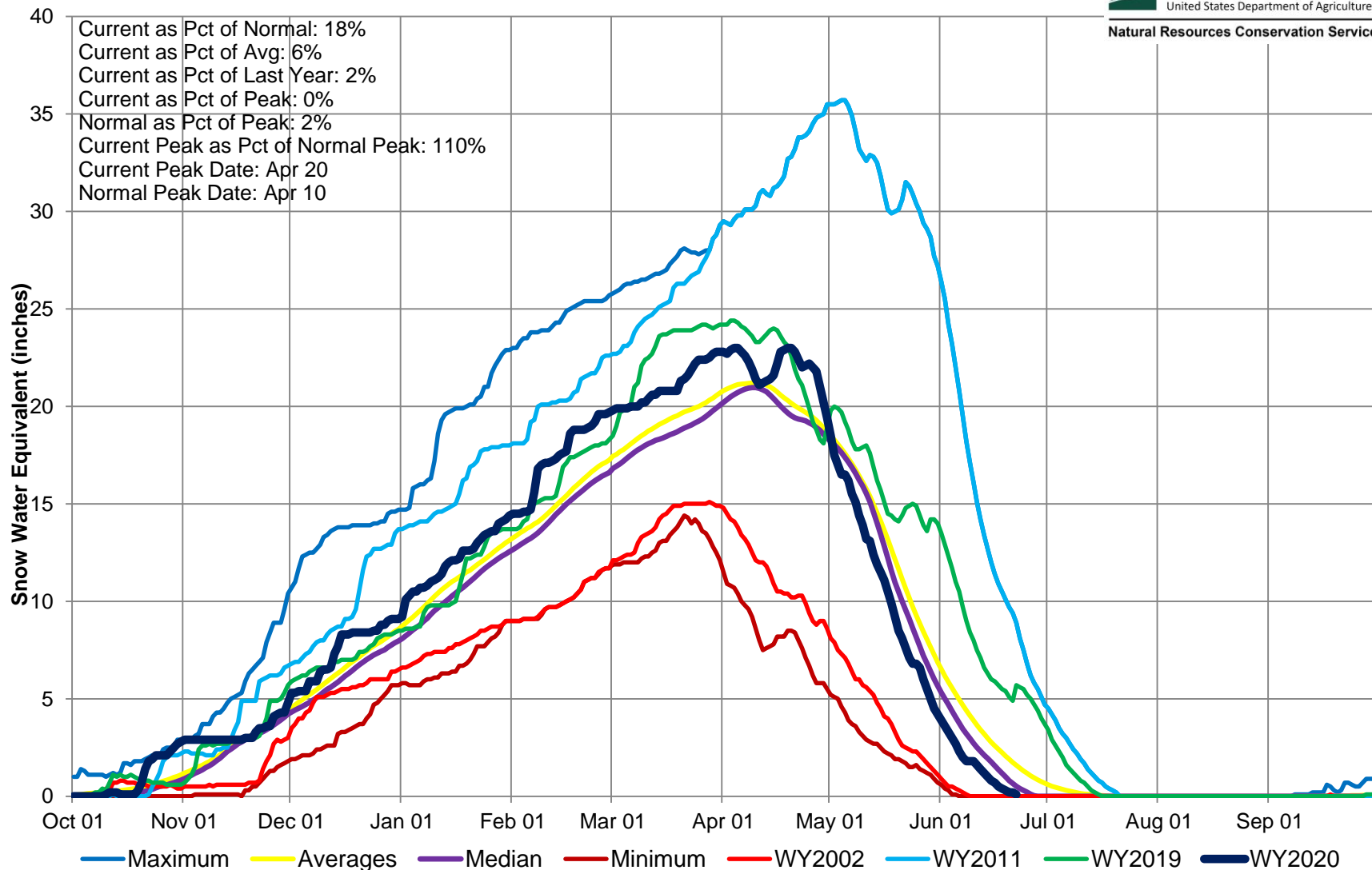
Yampa and White River Basins High/Low Snowpack Summary

Based on Provisional SNOTEL data as of Jun 22, 2020



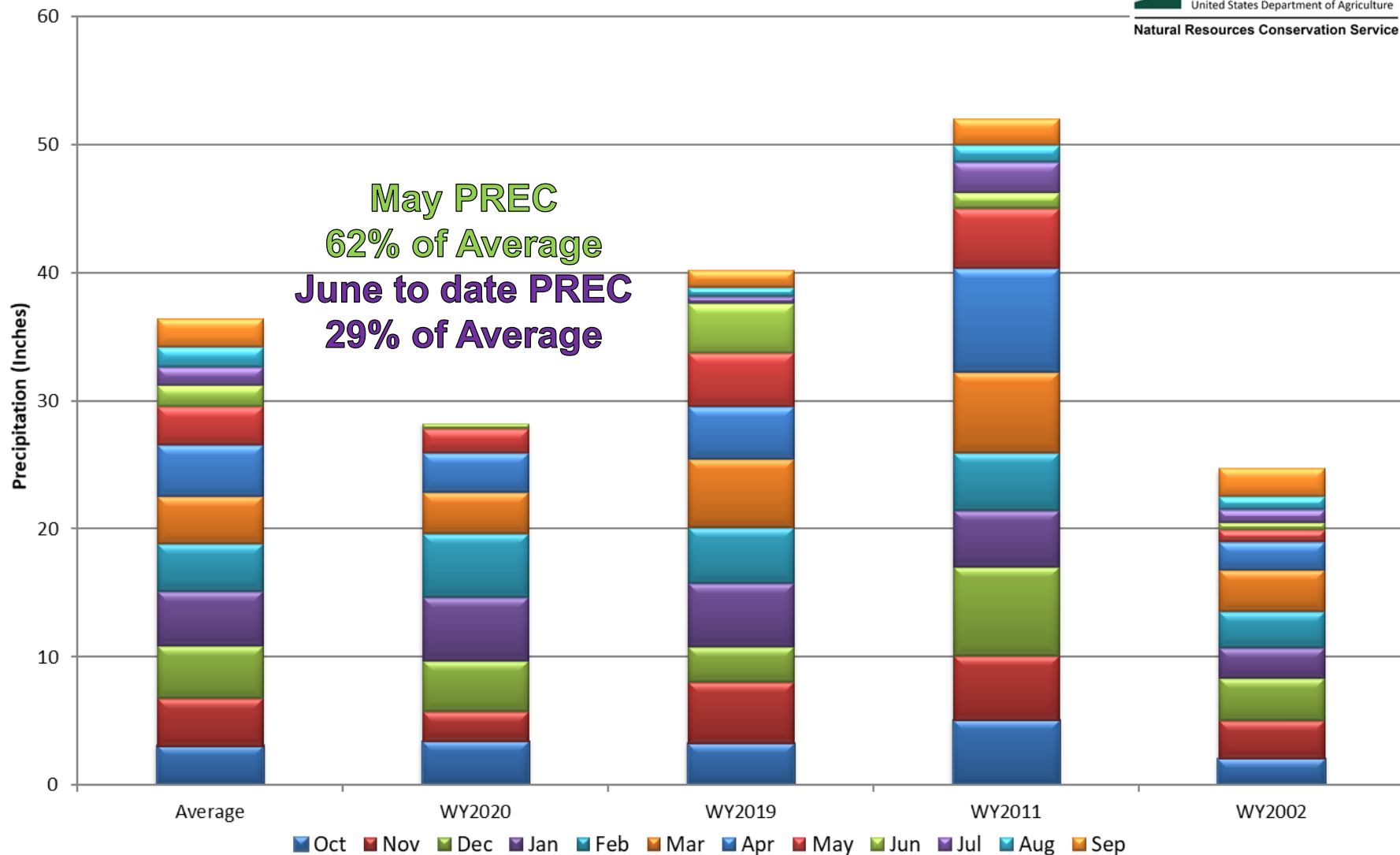
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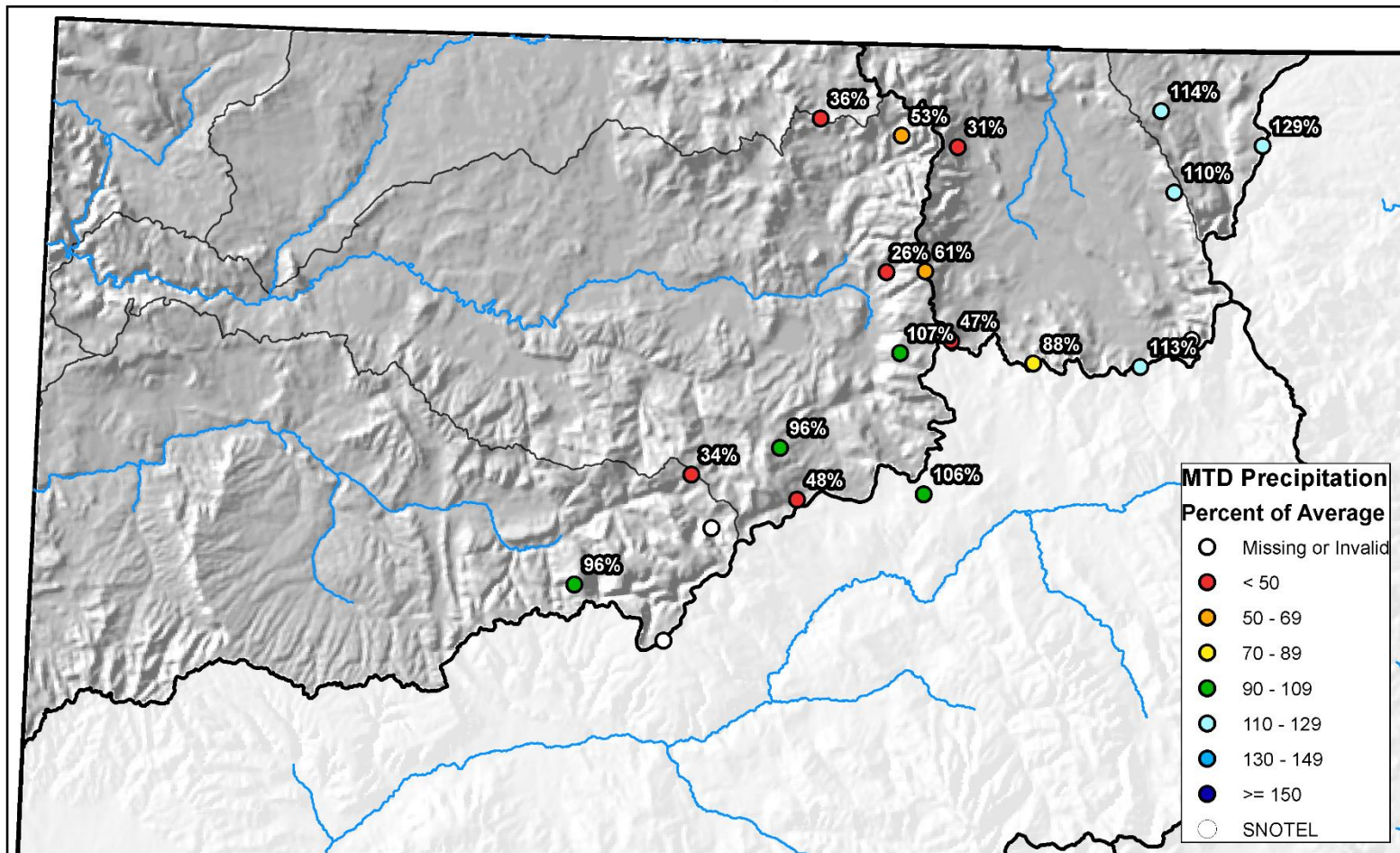


Yampa and White River Basins High/Low Monthly Precipitation Summary

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

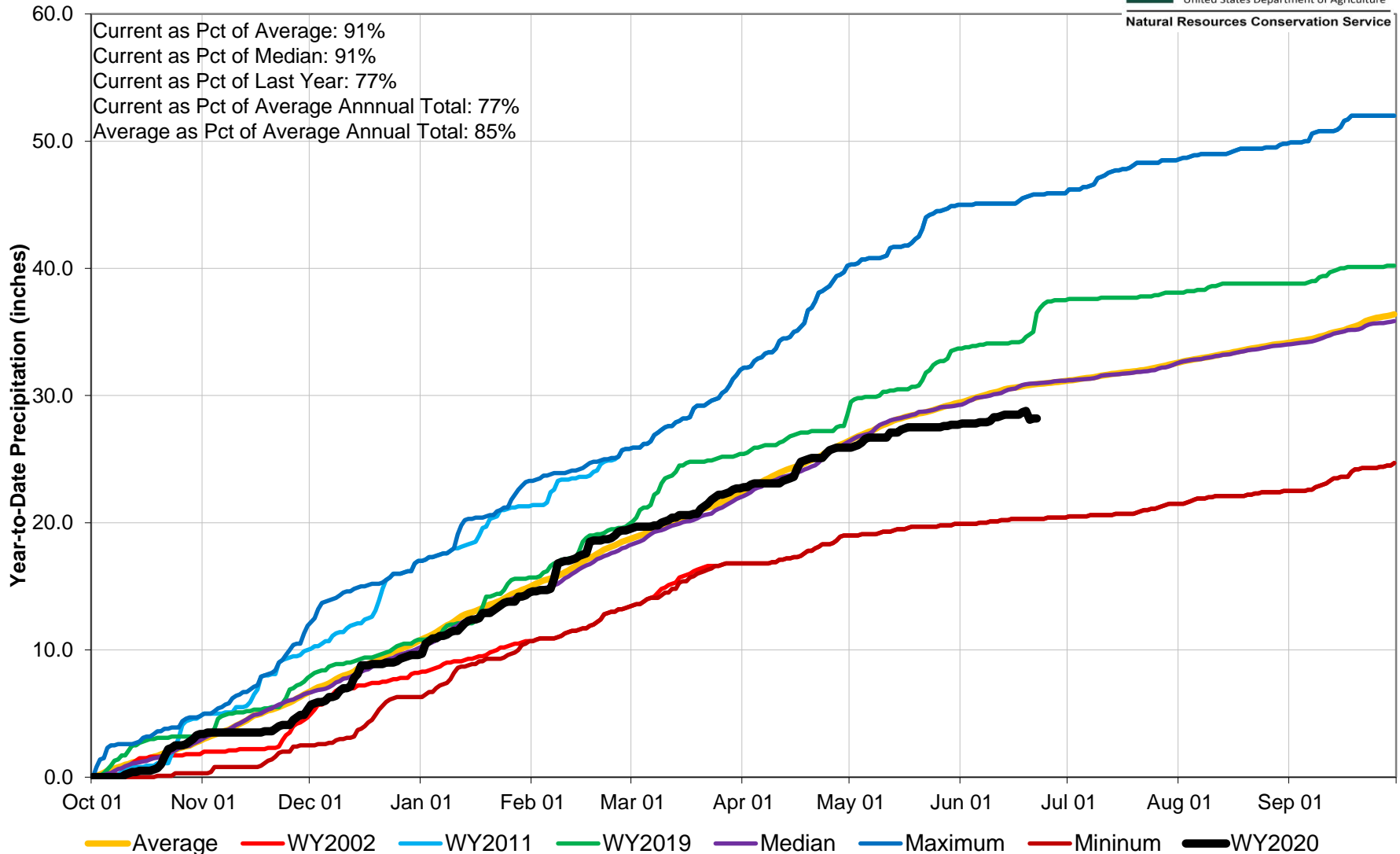


0 10 20 40 60 80 Miles



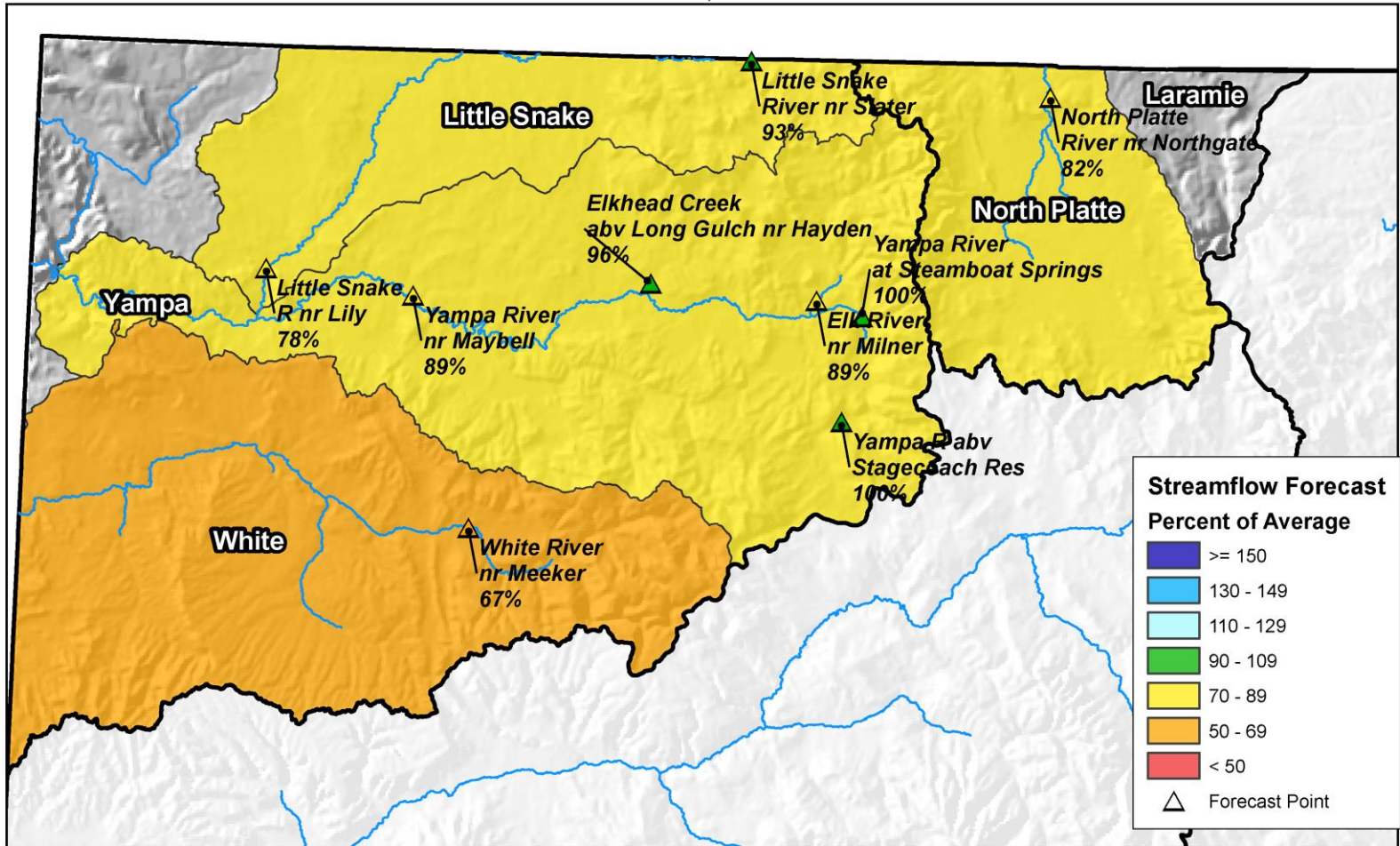
Yampa and White River Basins High/Low Year-to-Date Precipitation Summary

Based on Provisional SNOTEL data as of Jun 22, 2020

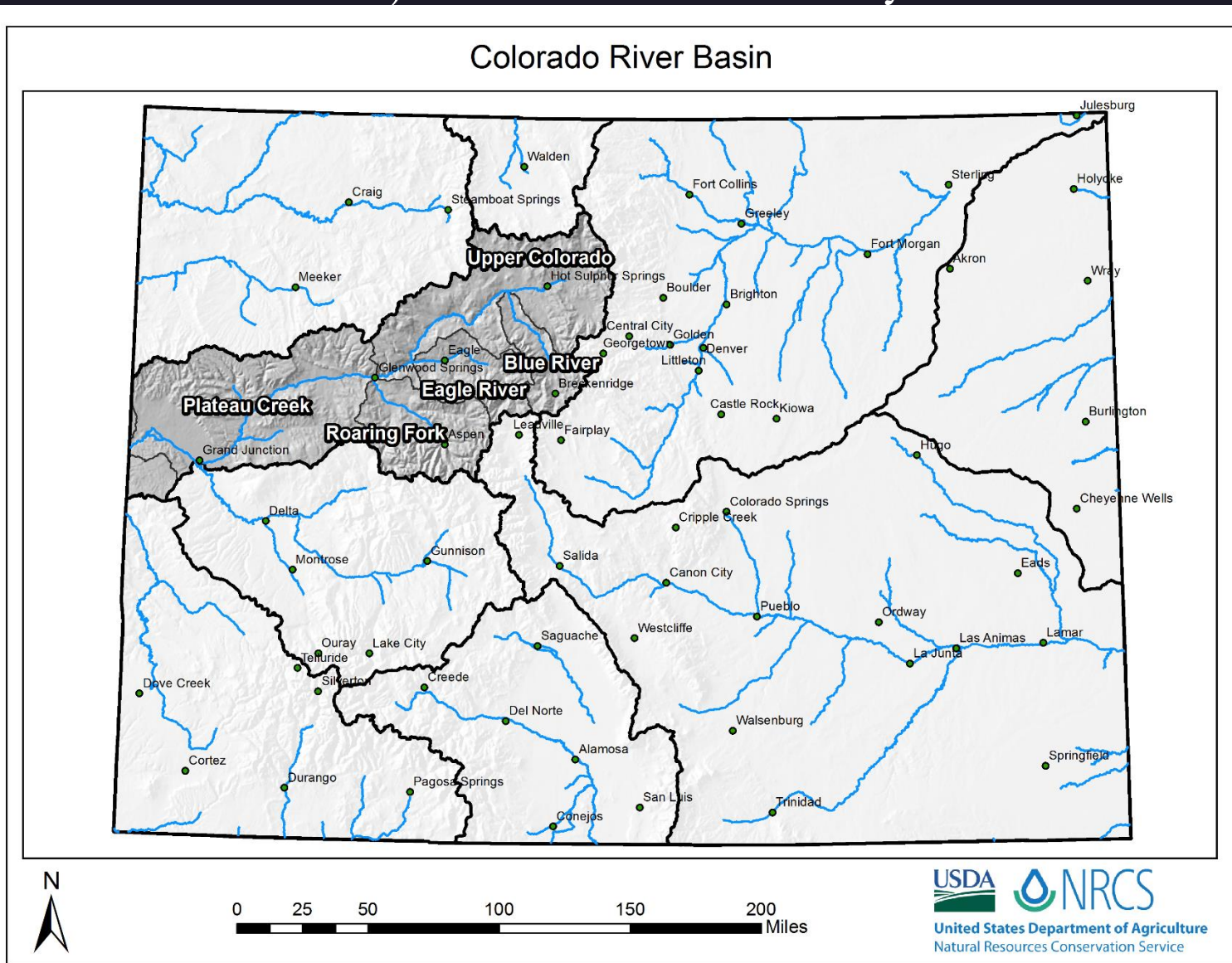


Yampa, White, and North Platte River Basins Streamflow Forecast Summary

June 1, 2020



Major Basin Summary





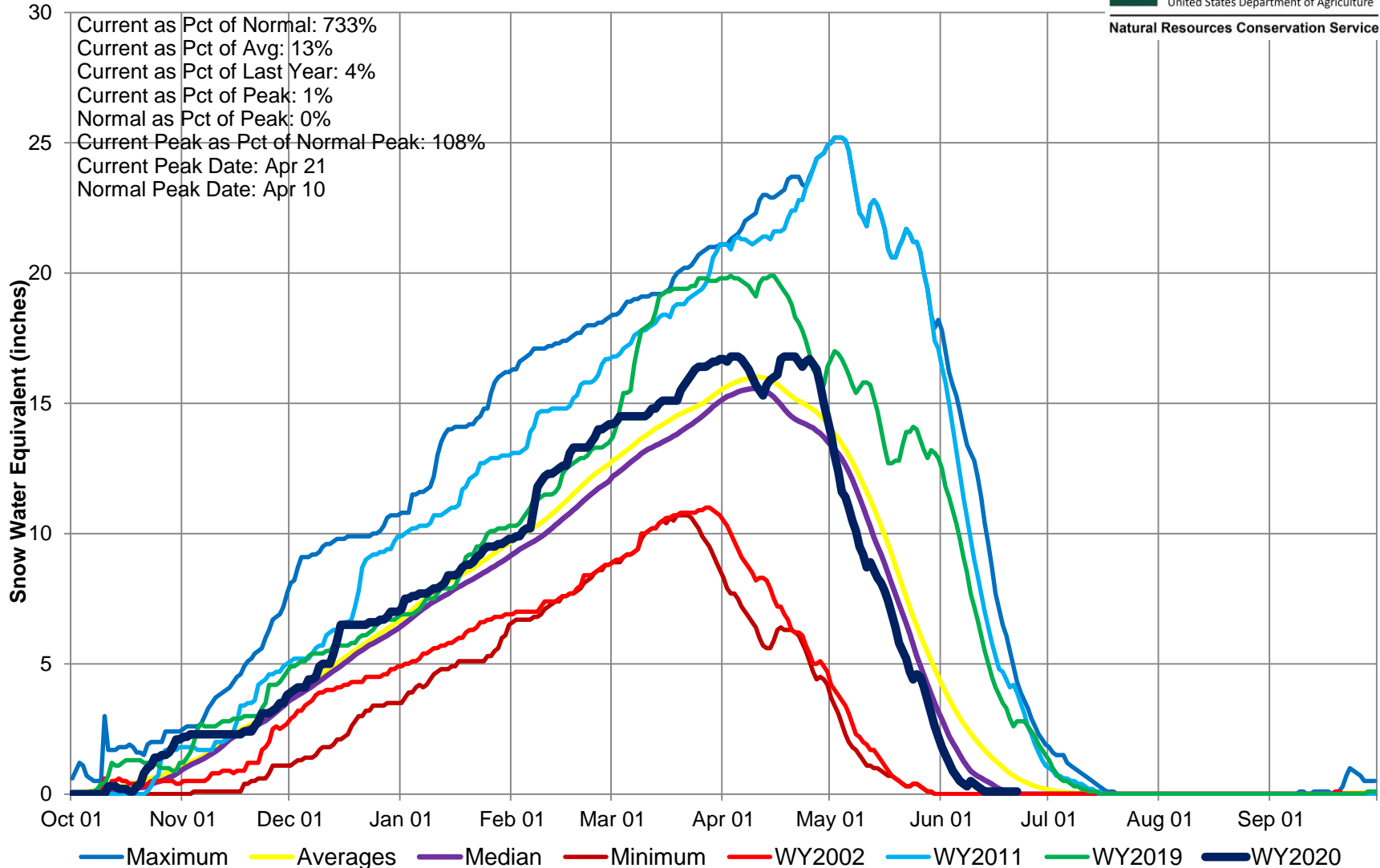
Upper Colorado River Basin High/Low Snowpack Summary

Based on Provisional SNOTEL data as of Jun 22, 2020



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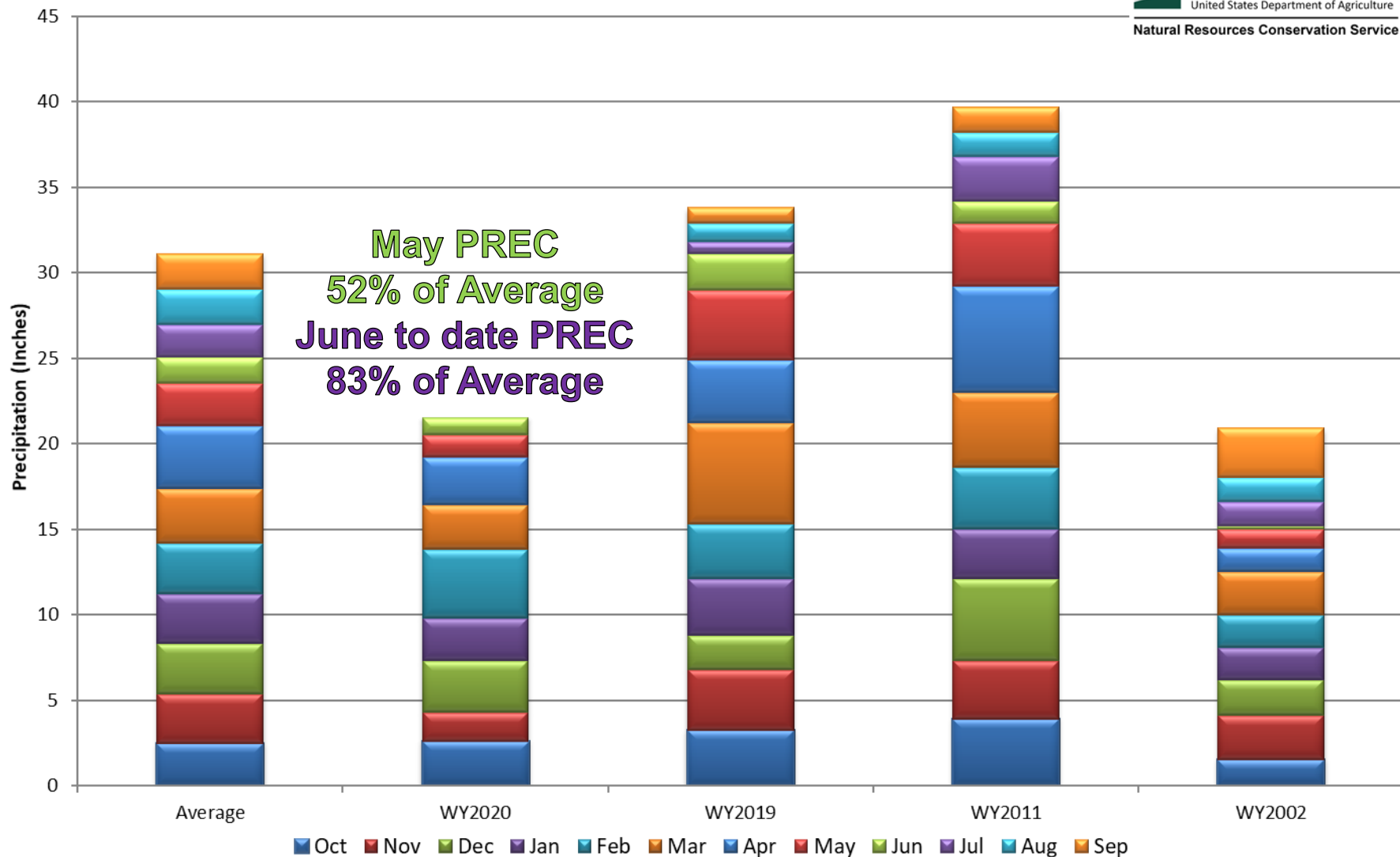
Upper Colorado River Basin High/Low Monthly Precipitation Summary

Based on Provisional SNOTEL data as of Jun 22, 2020



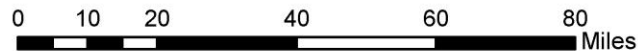
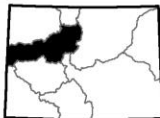
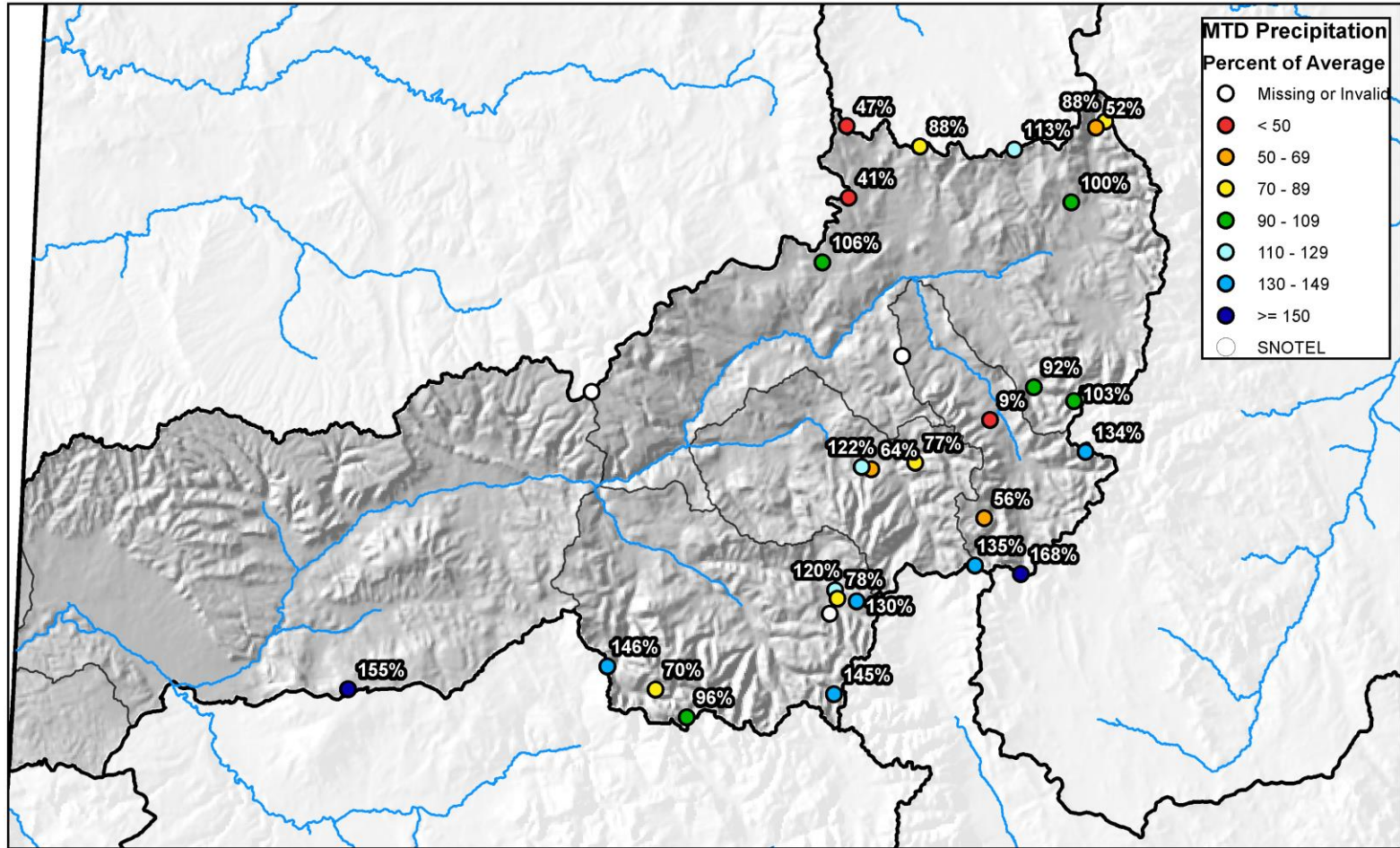
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Upper Colorado River Basin Month to Date Precipitation Summary

Current as of Jun 22, 2020





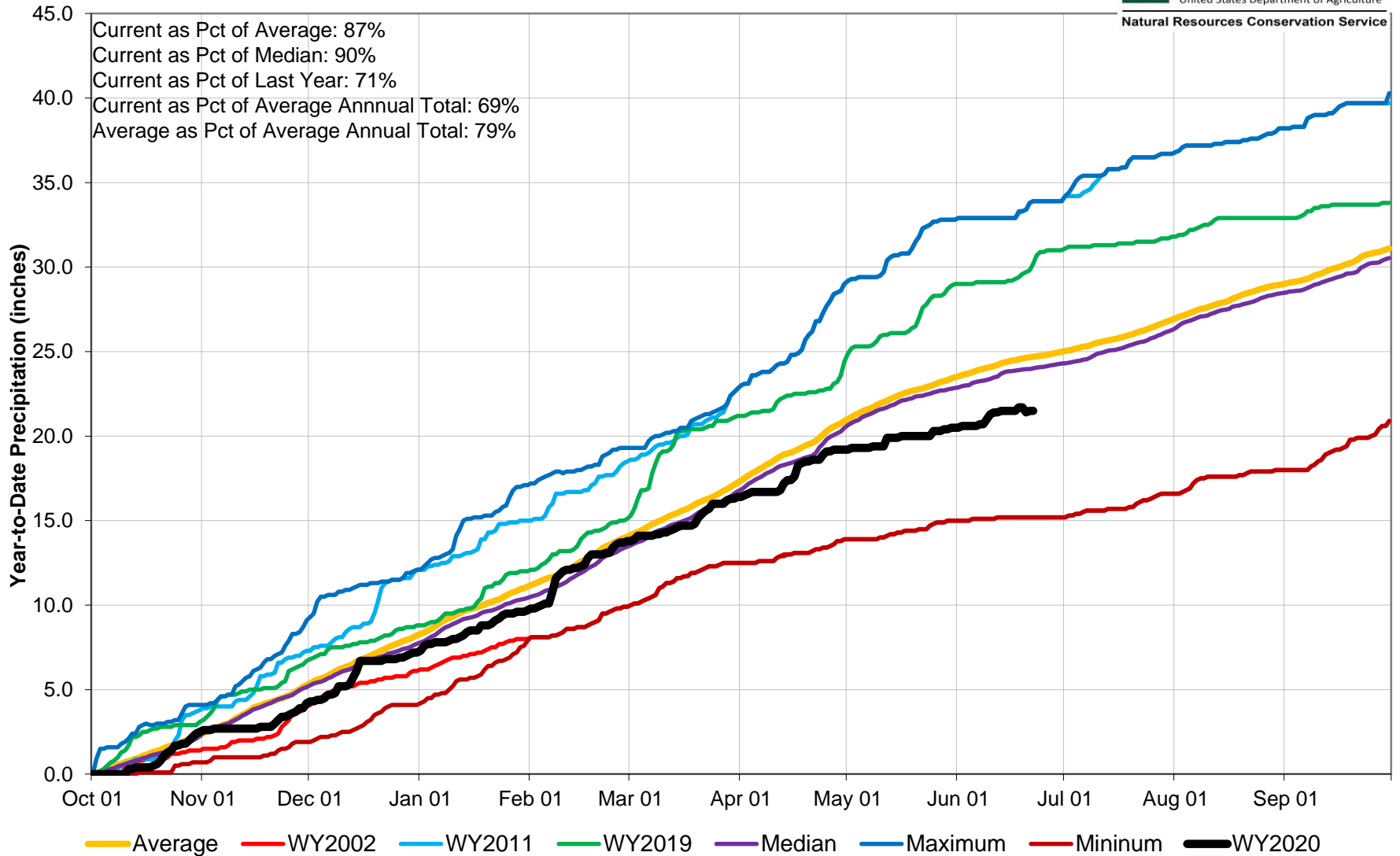
Upper Colorado River Basin High/Low Year-to-Date Precipitation Summary

Based on Provisional SNOTEL data as of Jun 22, 2020



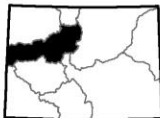
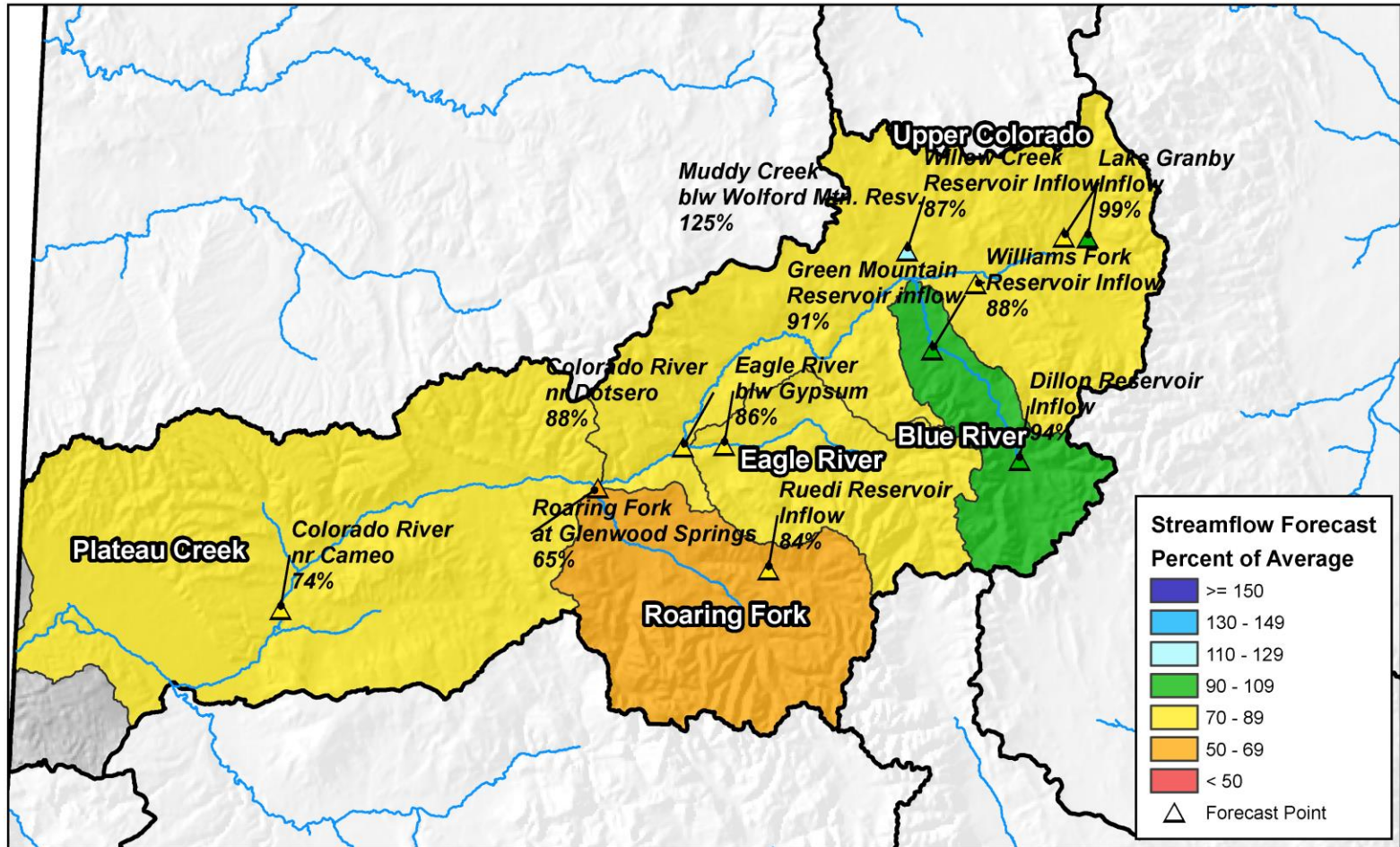
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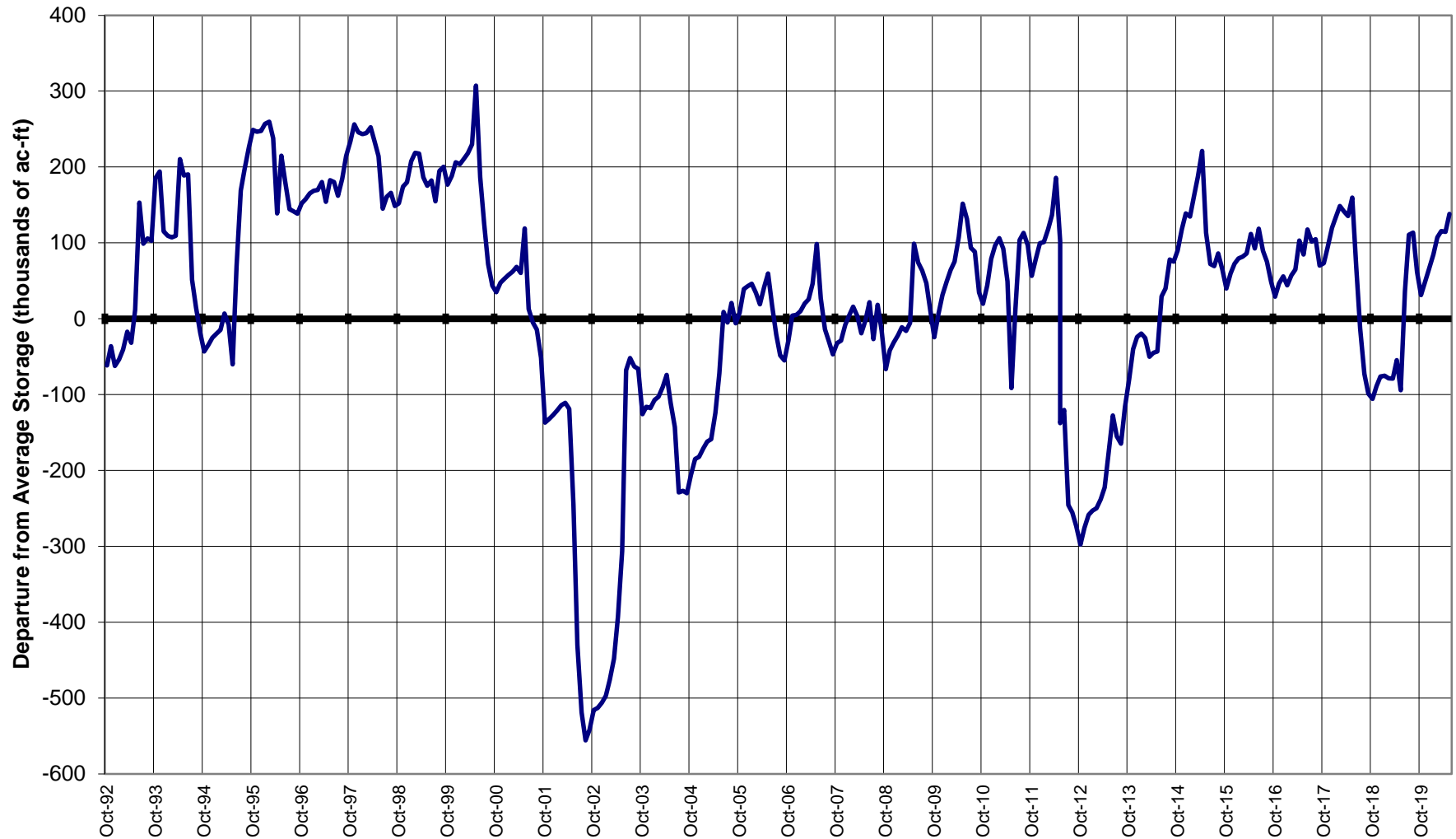
Upper Colorado River Basin Streamflow Forecast Summary

June 1, 2020



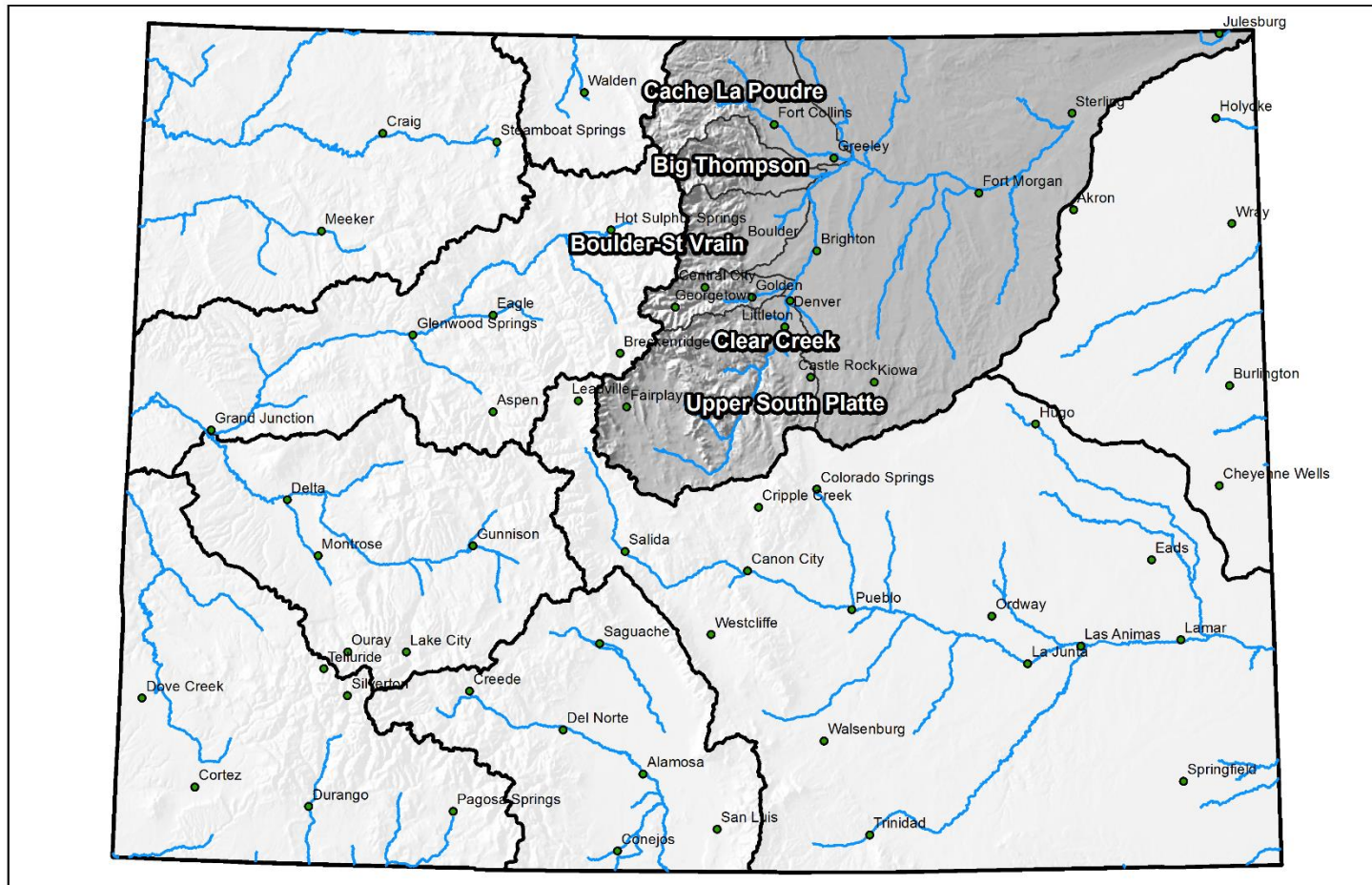
0 10 20 40 60 80 Miles

COLORADO RIVER BASIN Reservoir Storage Departure from Average



Major Basin Summary

South Platte River Basin



0 25 50 100 150 200 Miles



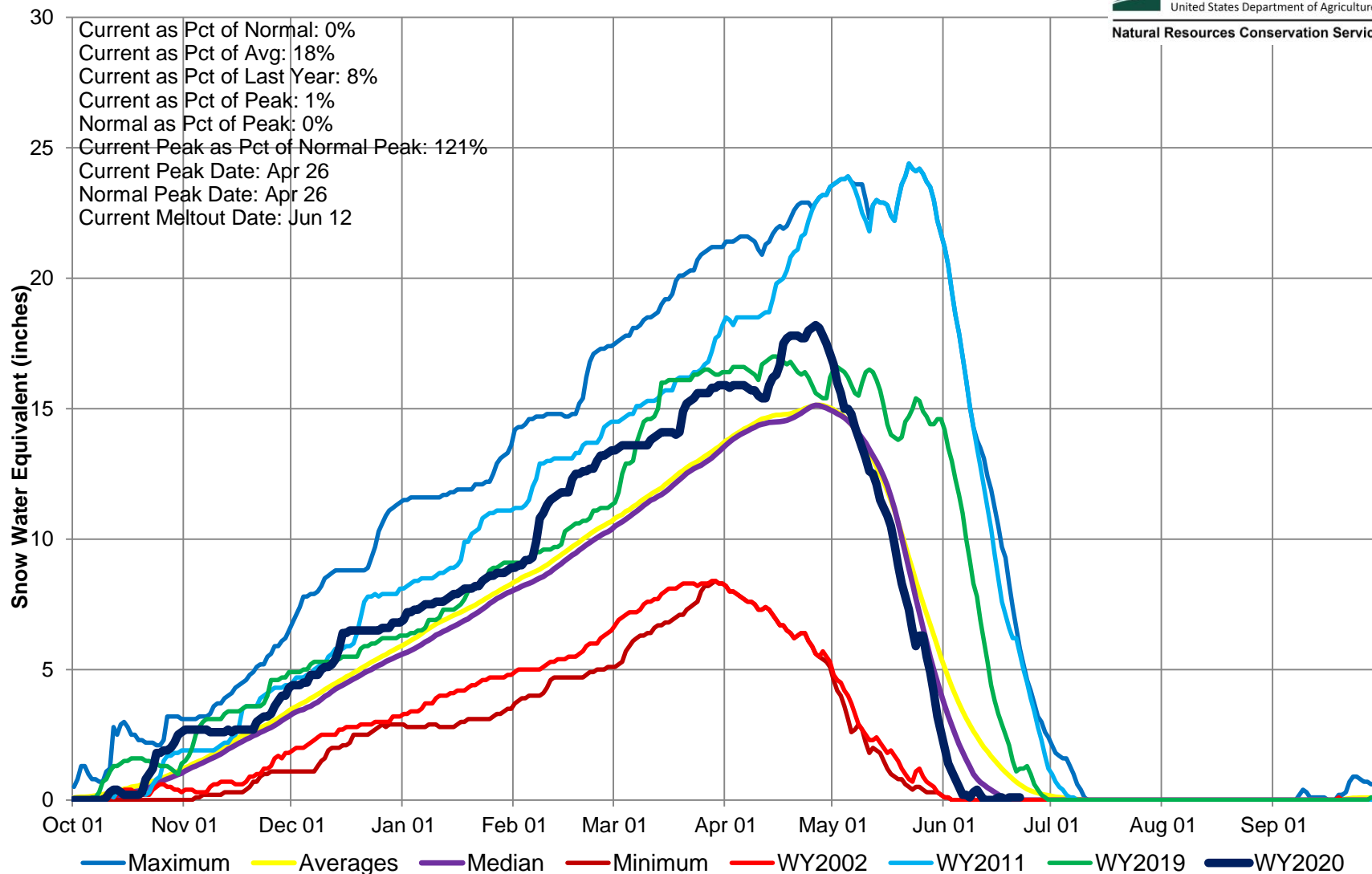
South Platte River Basin High/Low Snowpack Summary

Based on Provisional SNOTEL data as of Jun 22, 2020



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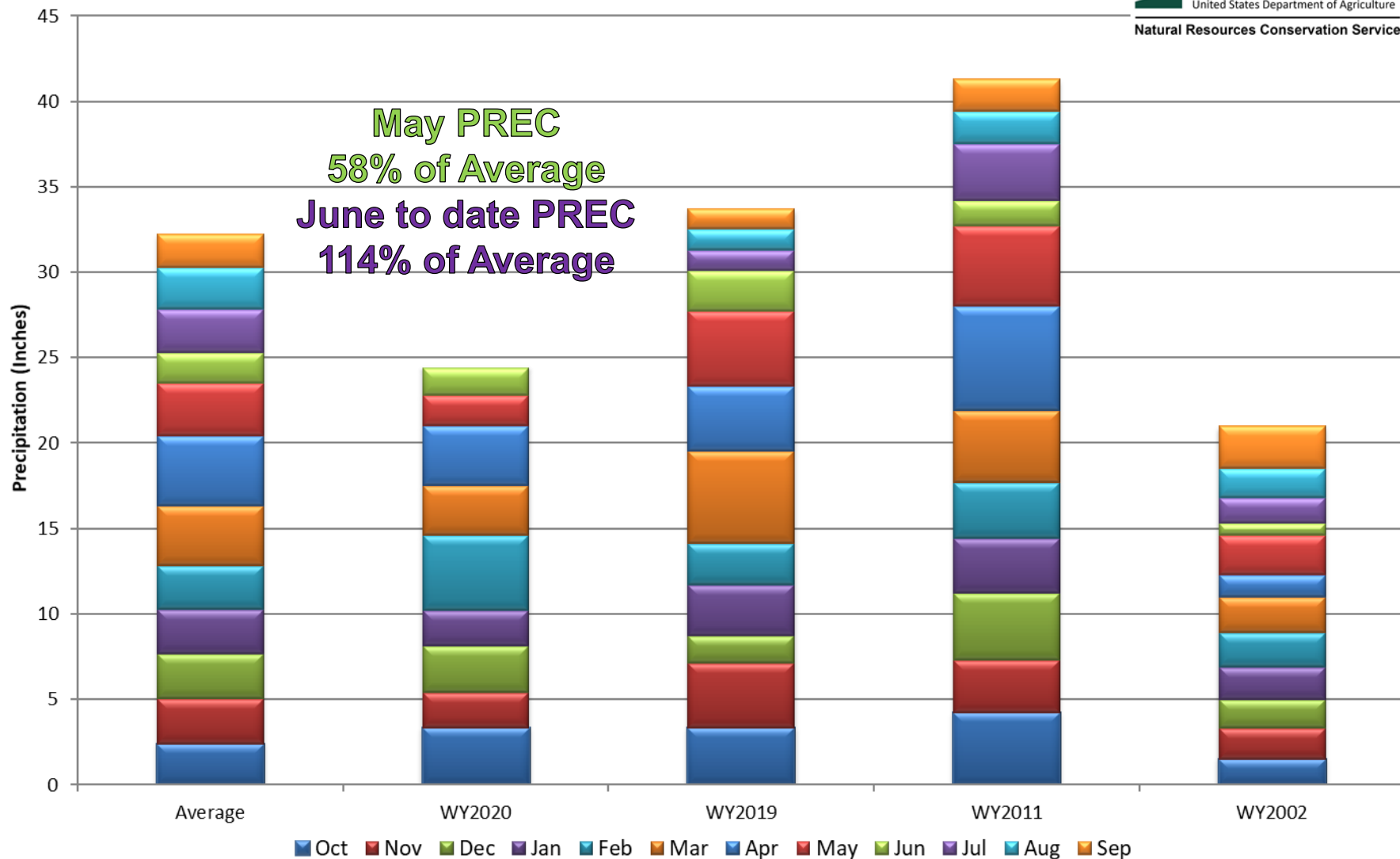
South Platte River Basin High/Low Monthly Precipitation Summary

Based on Provisional SNOTEL data as of Jun 22, 2020



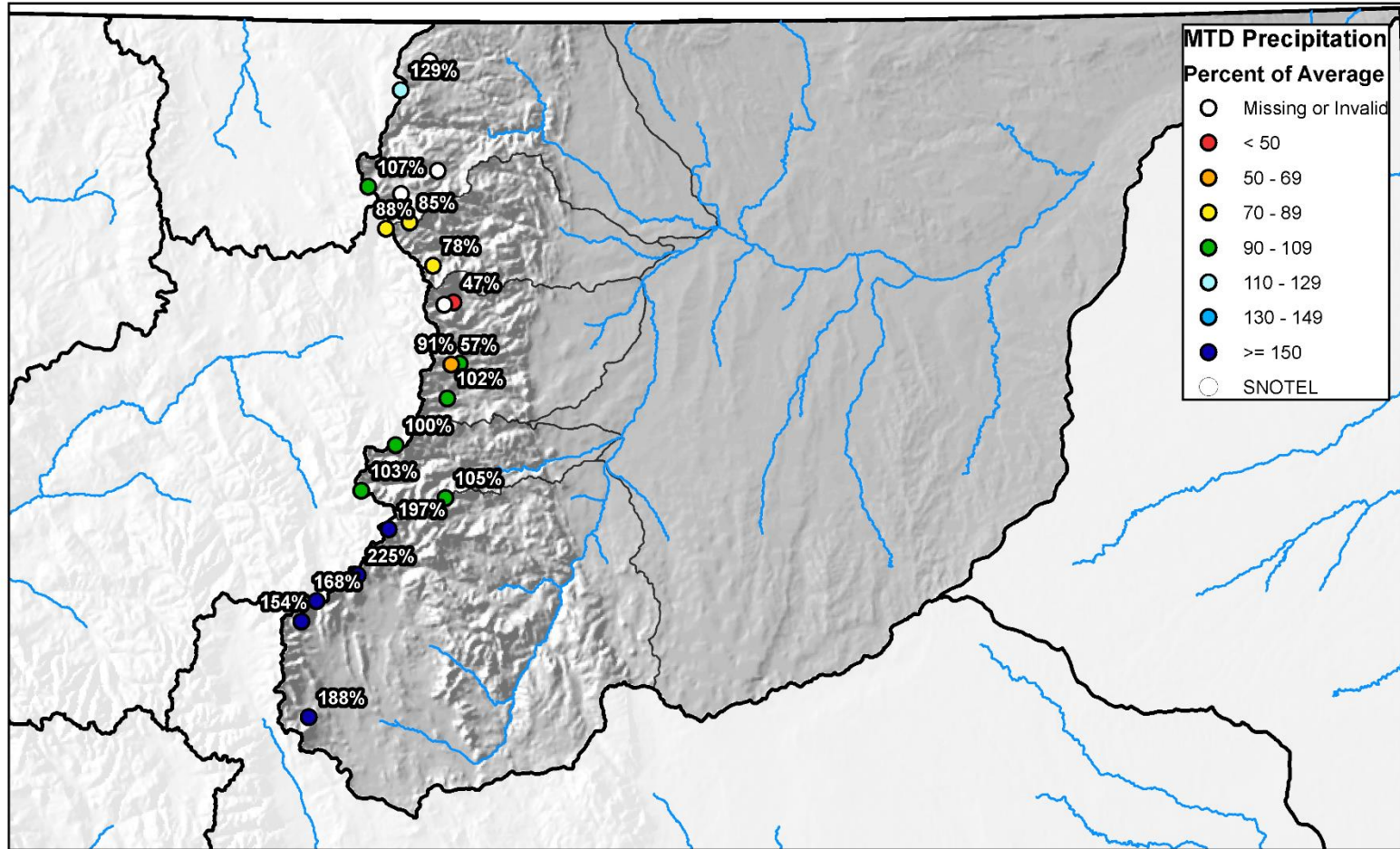
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South Platte River Basin Month to Date Precipitation Summary

Current as of Jun 22, 2020



0 10 20 40 60 80 Miles



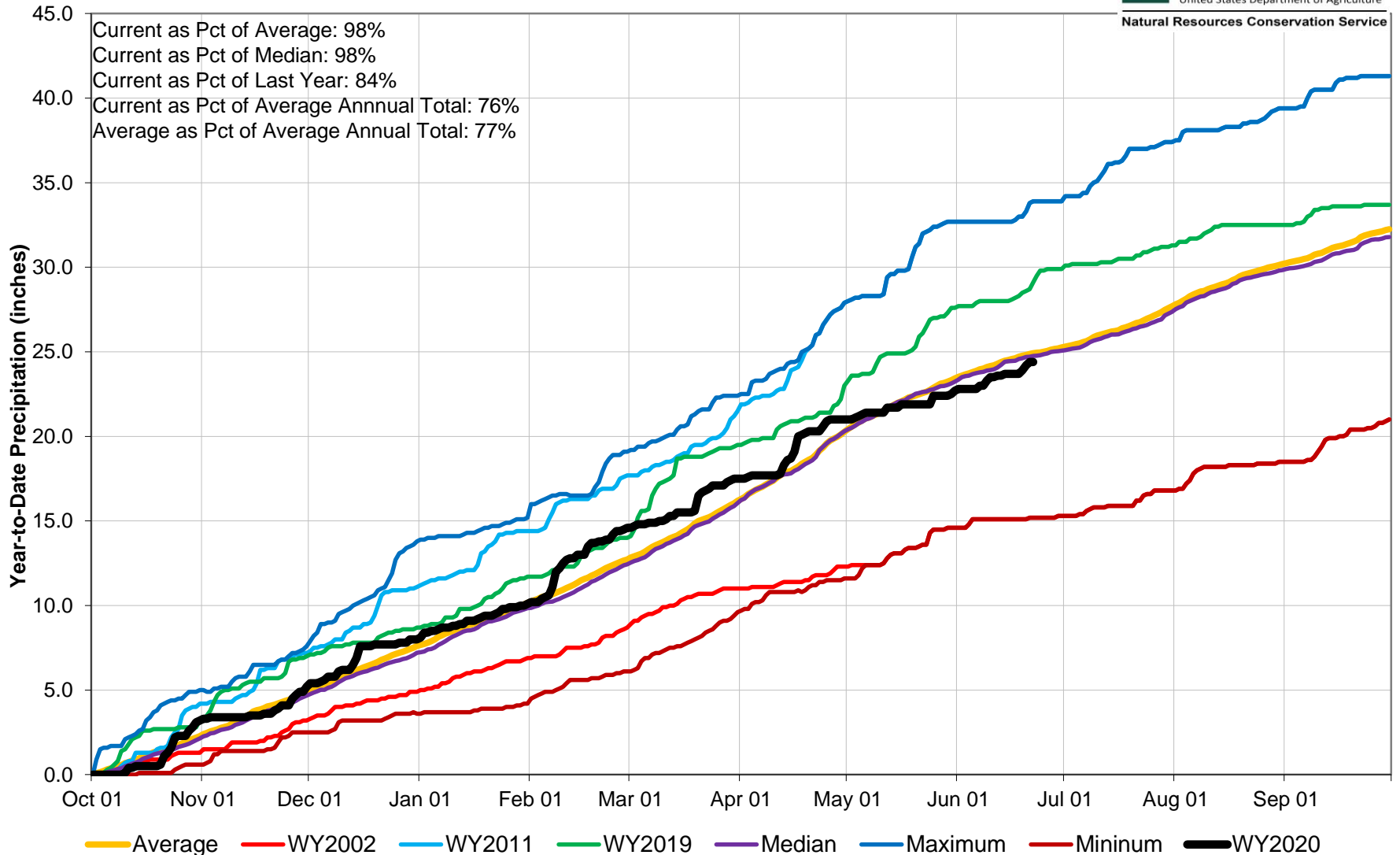
South Platte River Basin High/Low Year-to-Date Precipitation Summary

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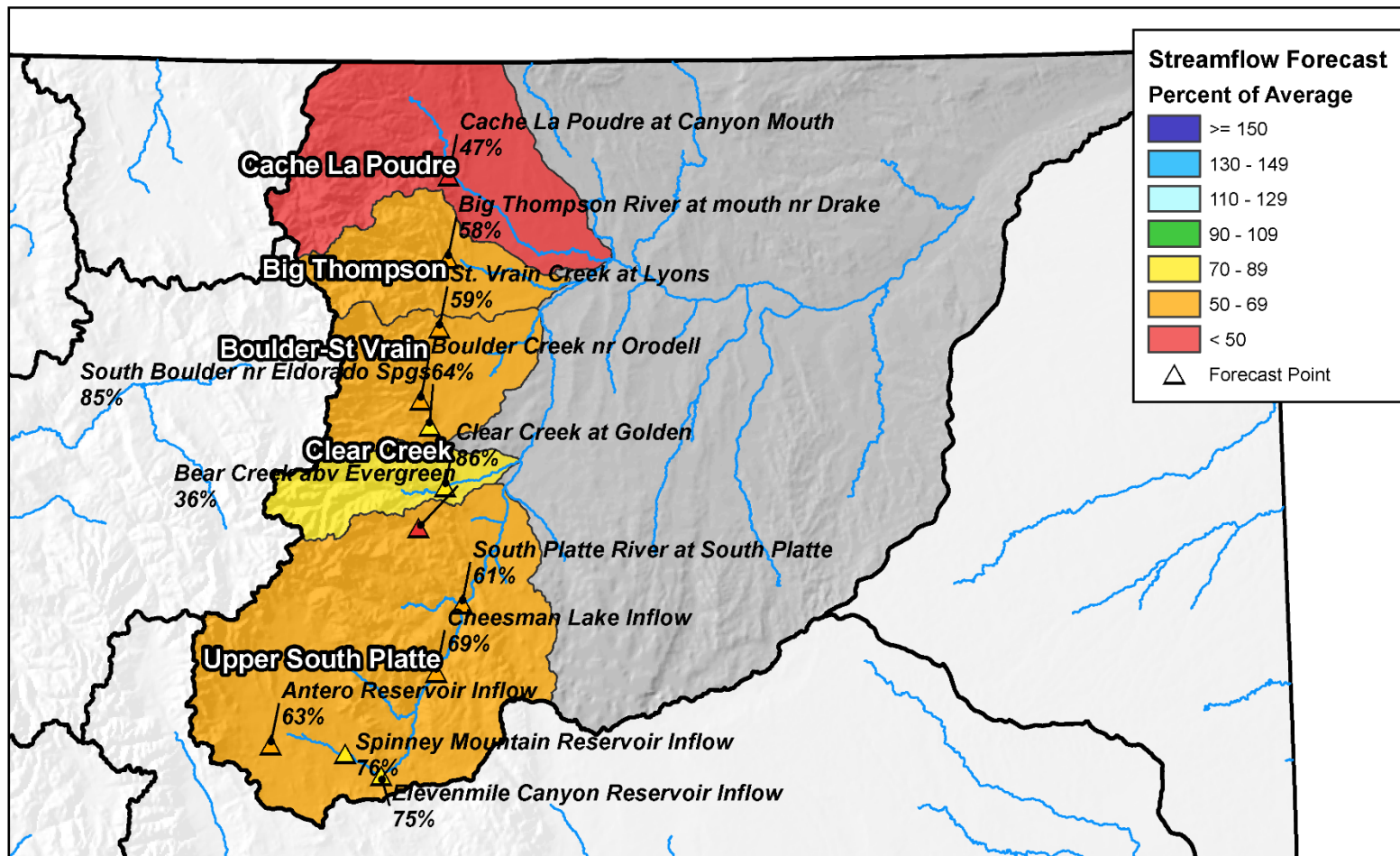
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South Platte River Basin Streamflow Forecast Summary

June 1, 2020



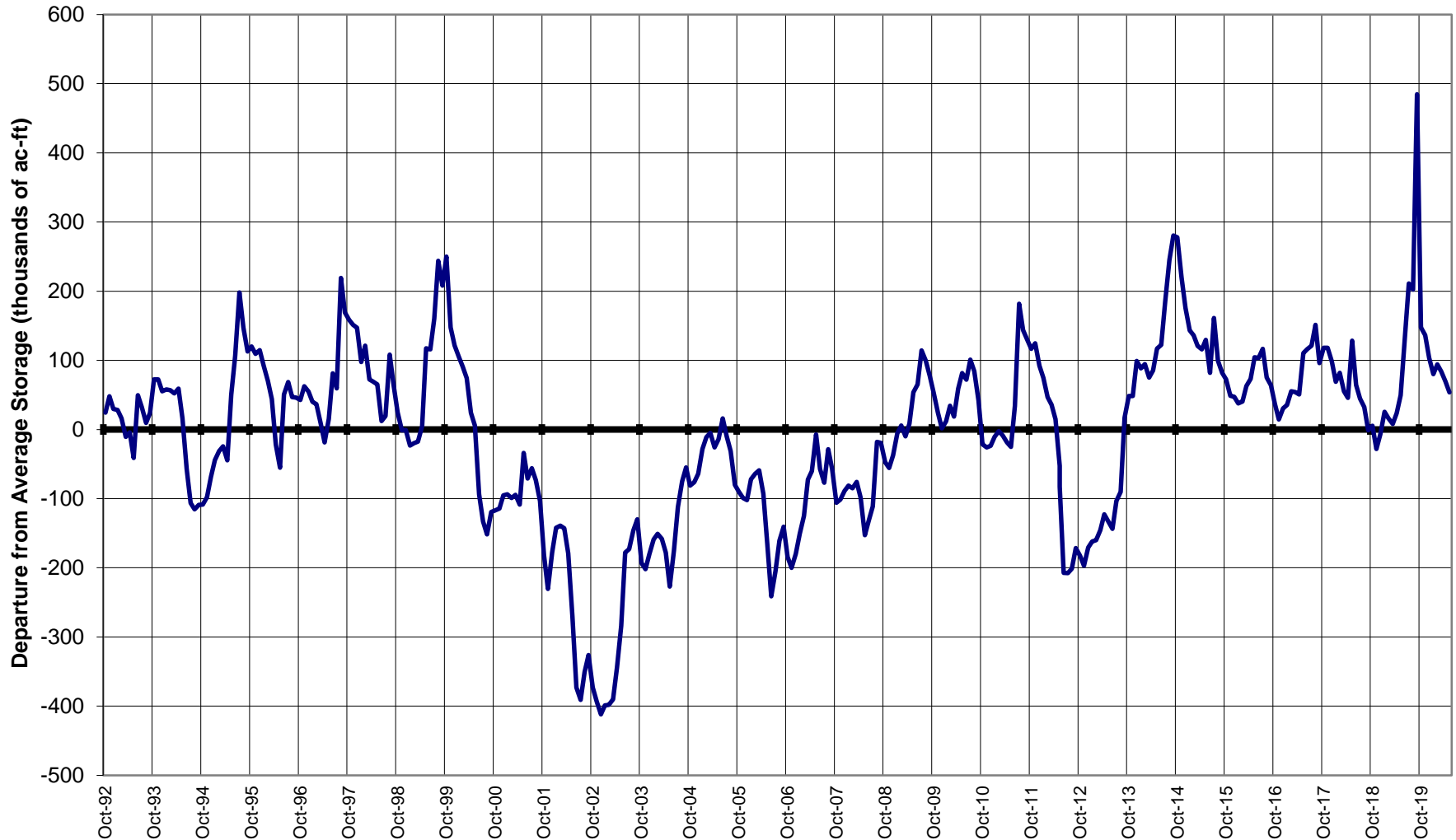
0 12.5 25 50 75 100 Miles



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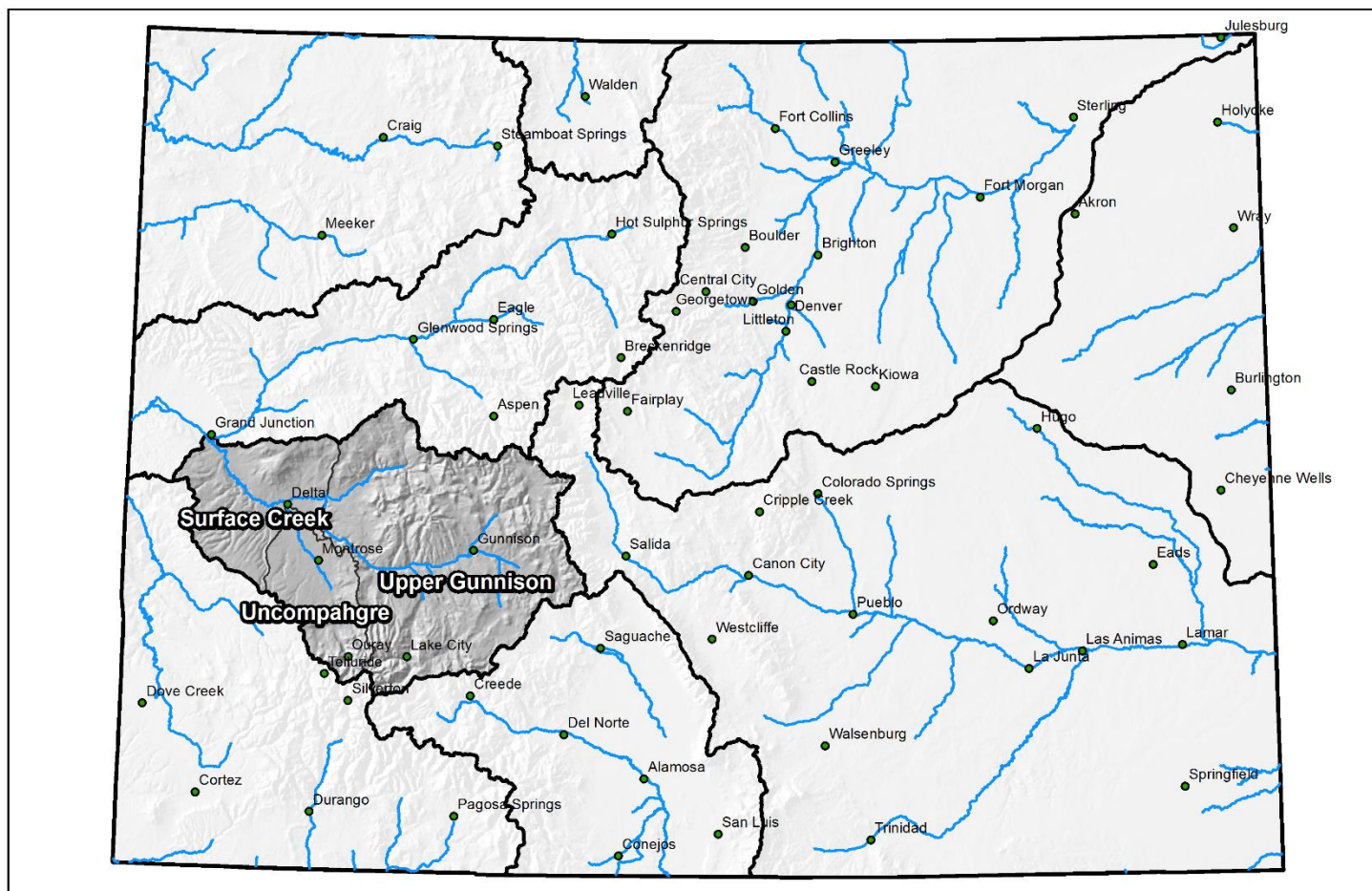
Natural Resources Conservation Service

SOUTH PLATTE RIVER BASIN Reservoir Storage Departure from Average



Major Basin Summary

Gunnison River Basin



0 25 50 100 150 200 Miles



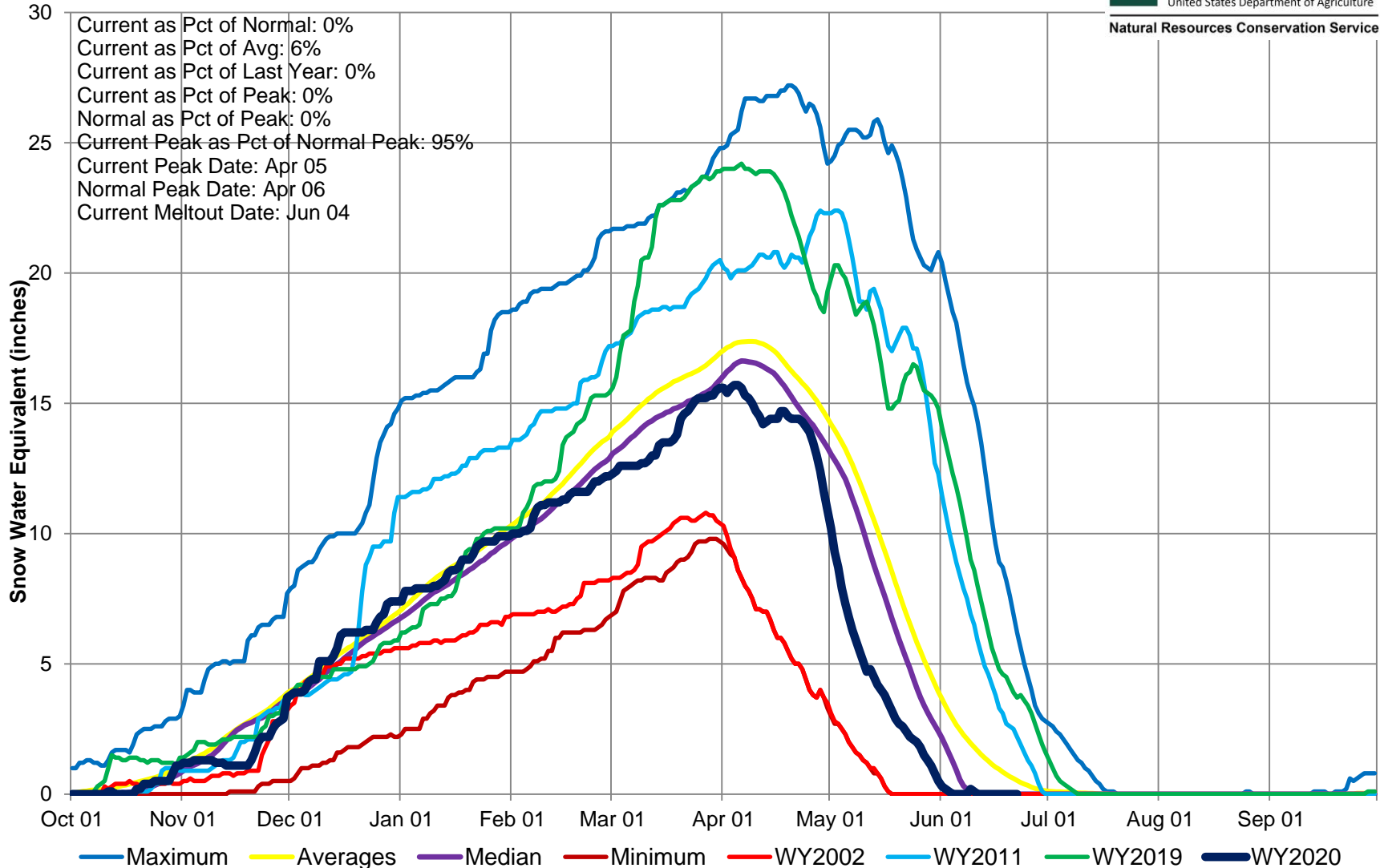
Gunnison River Basin High/Low Snowpack Summary

Based on Provisional SNOTEL data as of Jun 22, 2020



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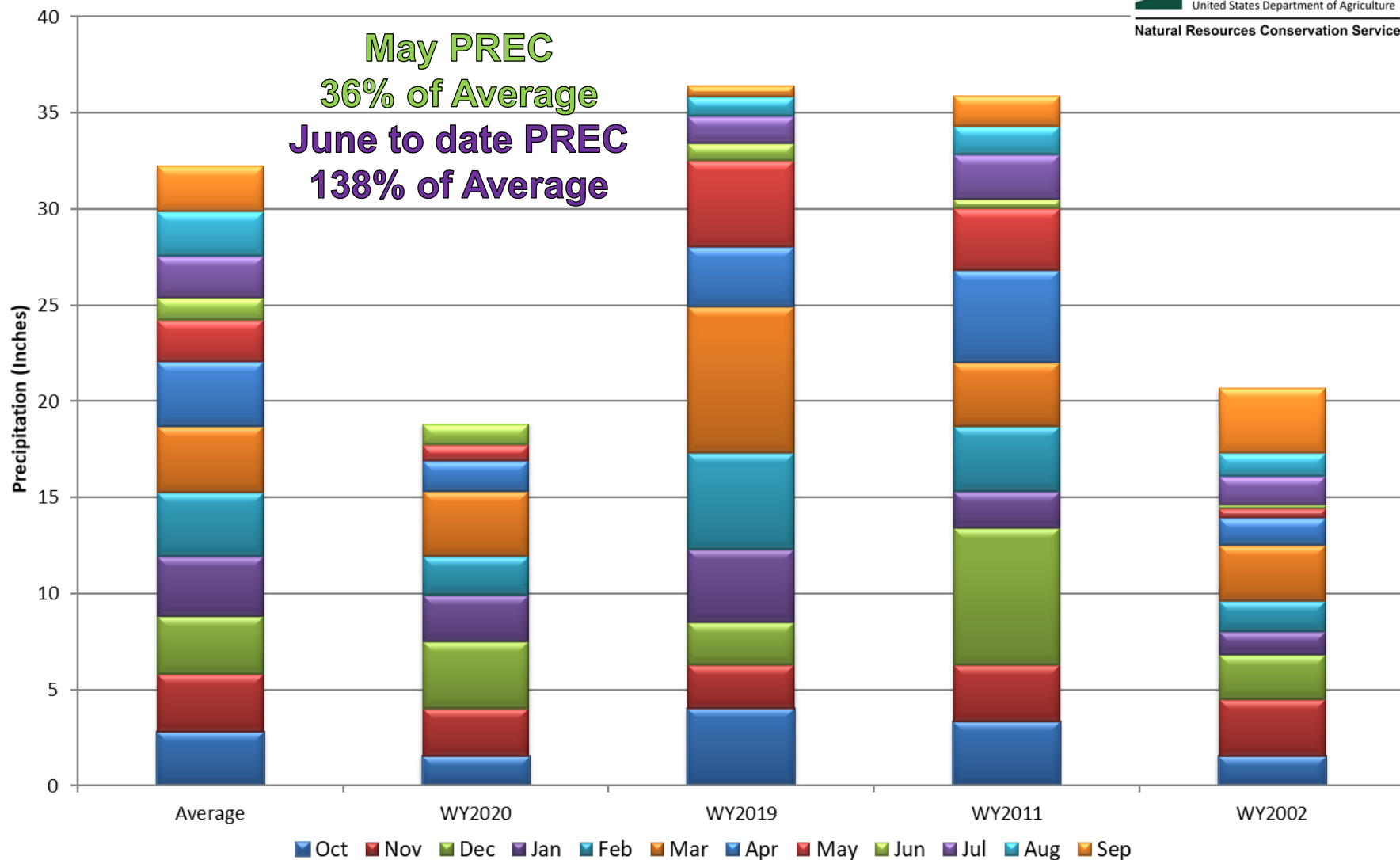
Gunnison River Basin High/Low Monthly Precipitation Summary

Based on Provisional SNOTEL data as of Jun 22, 2020



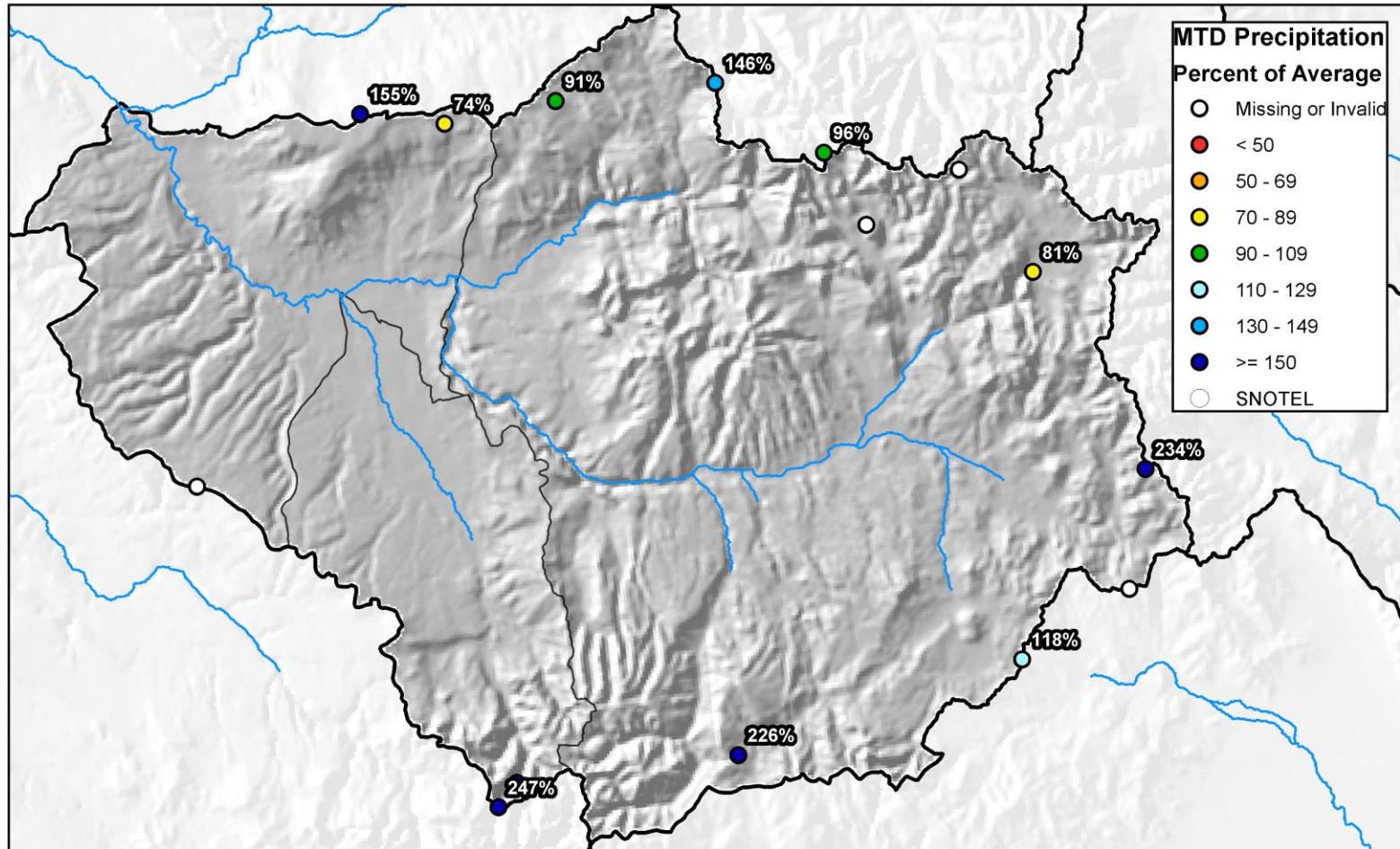
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Gunnison River Basin Month to Date Precipitation Summary

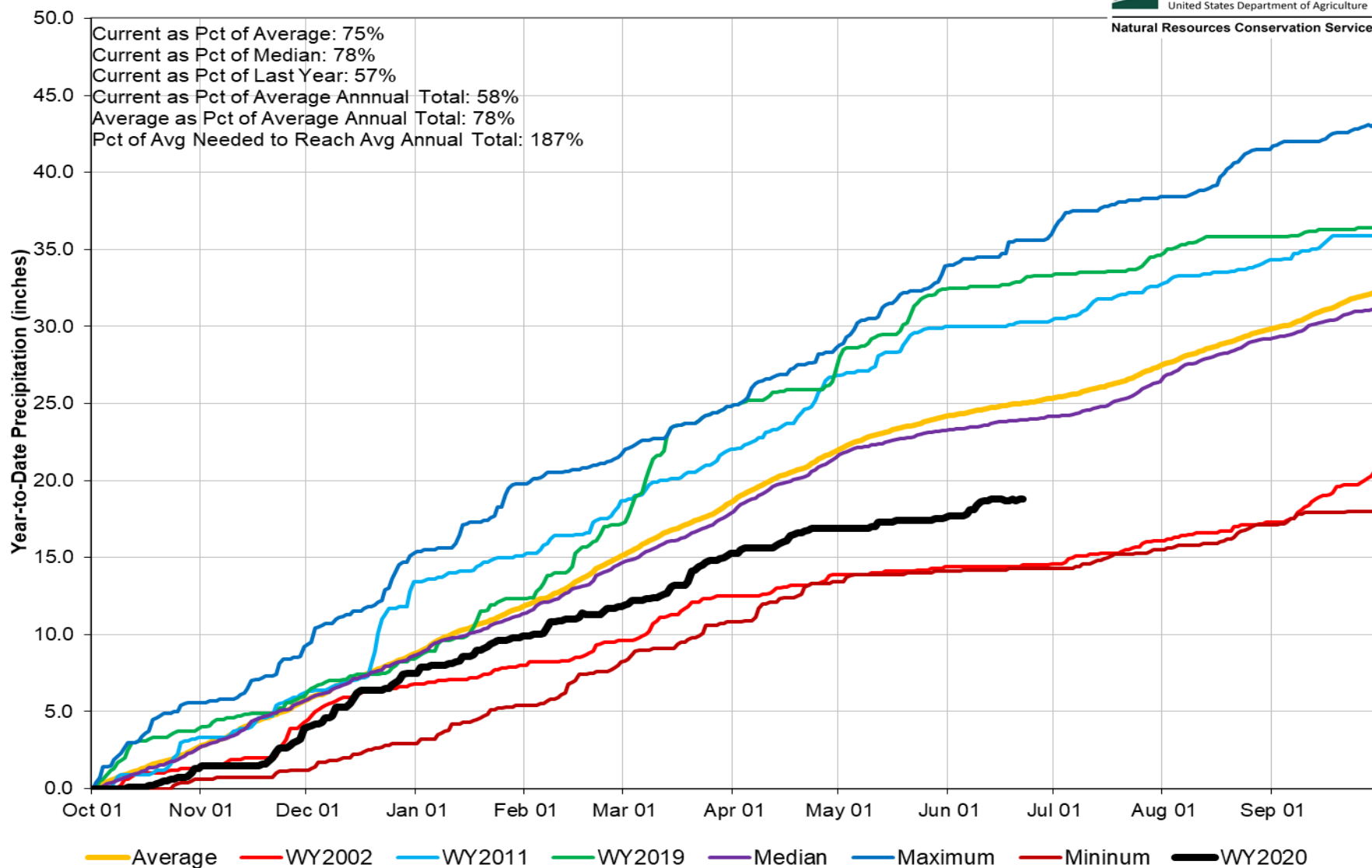
Current as of Jun 22, 2020



0 5 10 20 30 40 Miles

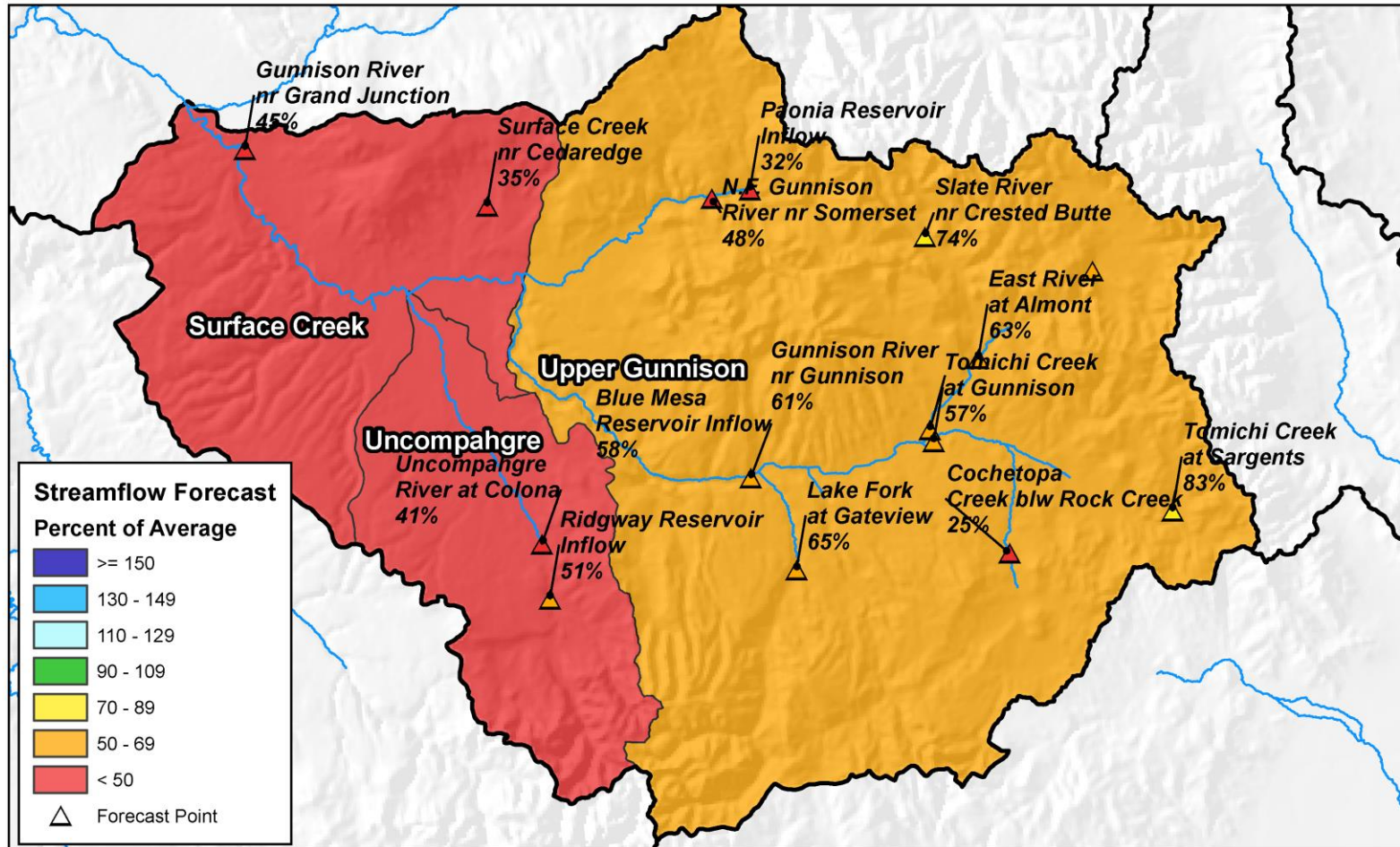
Gunnison River Basin High/Low Year-to-Date Precipitation Summary

Based on Provisional SNOTEL data as of Jun 22, 2020



Gunnison River Basin Water Supply Forecast Summary

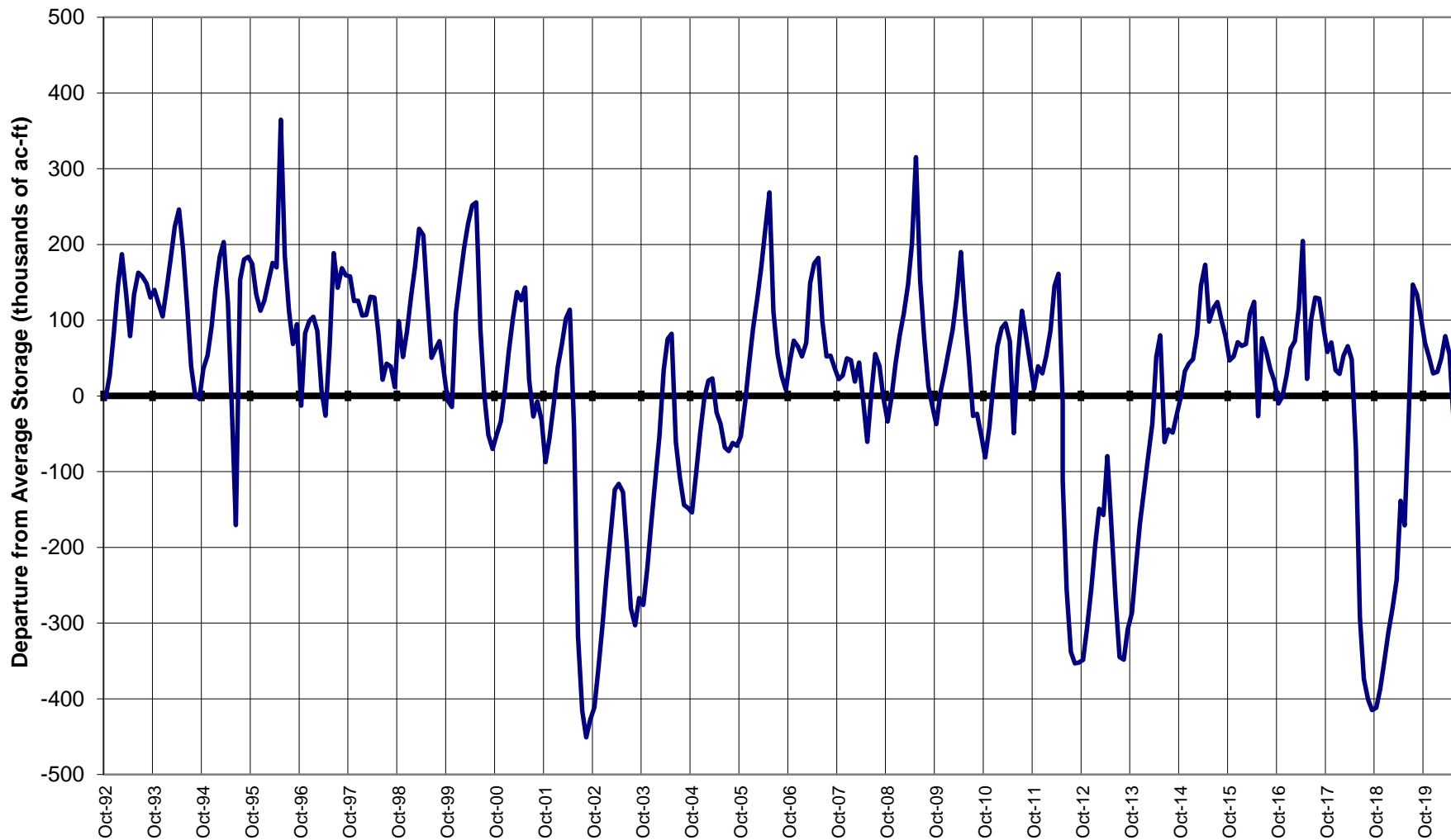
June 1, 2020



0 5 10 20 30 40 Miles

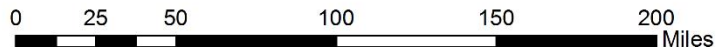
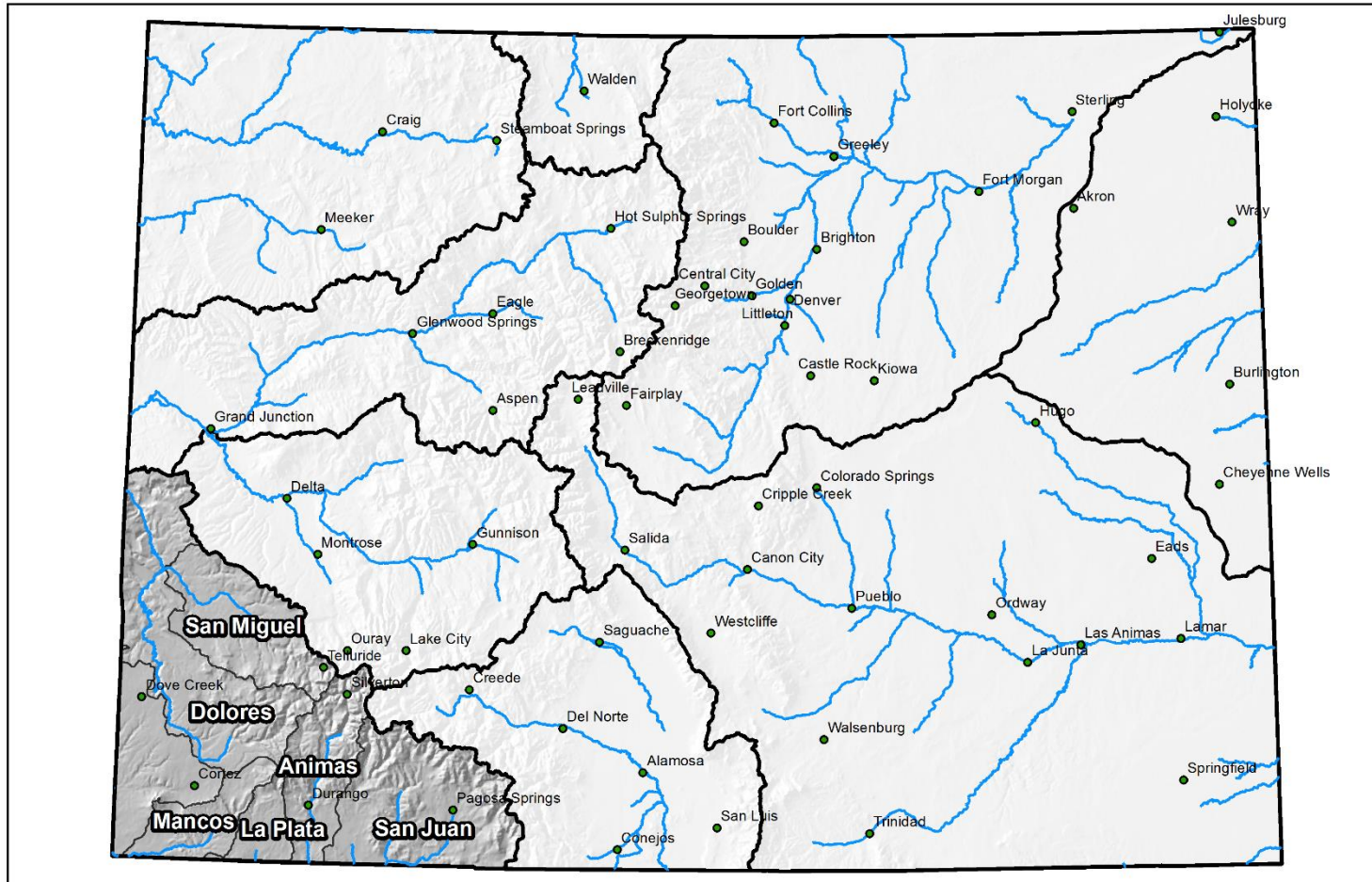


GUNNISON RIVER BASIN Reservoir Storage Departure from Average



Major Basin Summary

San Miguel, Dolores, Animas, and San Juan River Basins





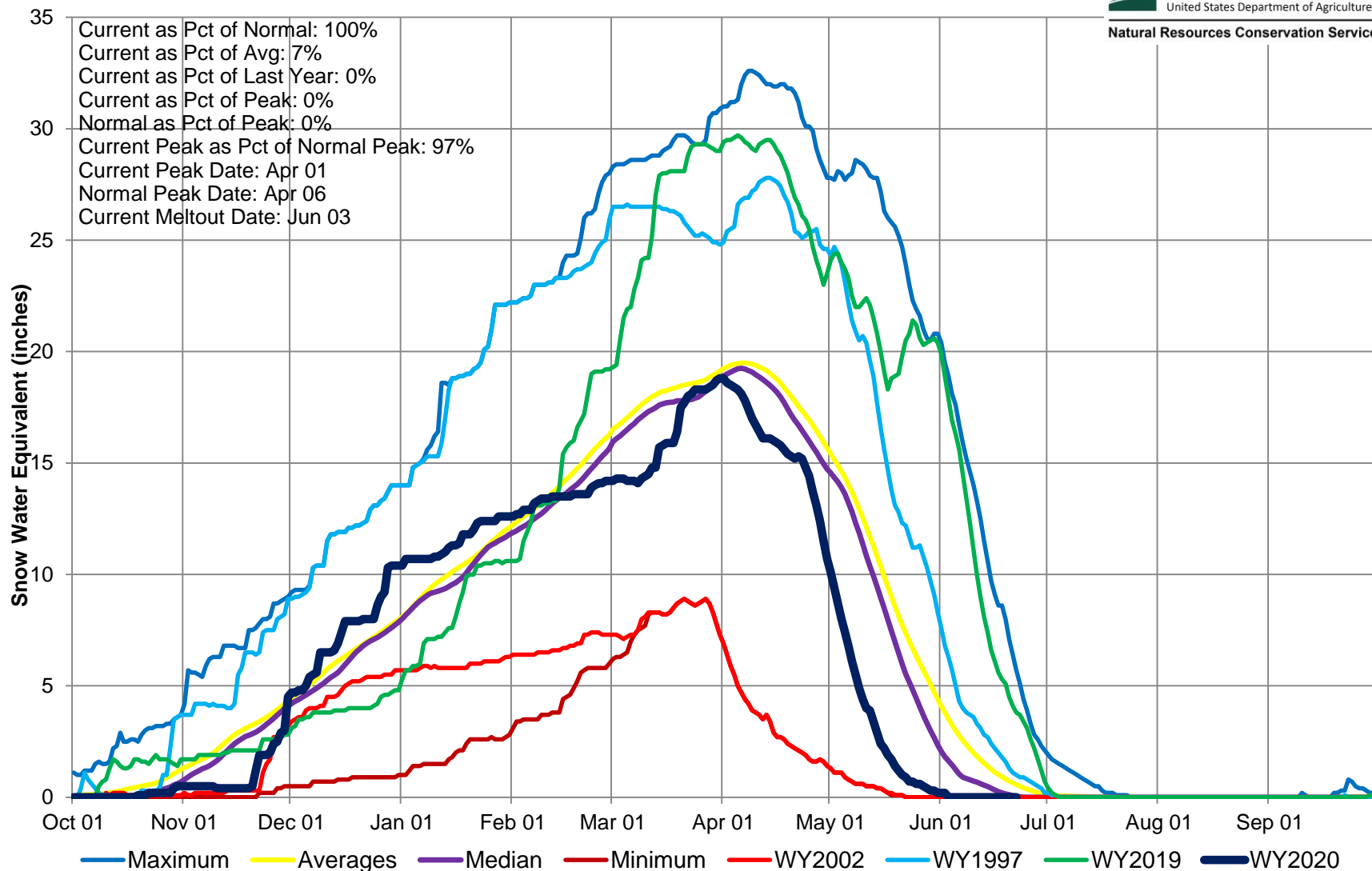
San Miguel, Dolores, Animas and San Juan River Basins High/Low Snowpack Summary

Based on Provisional SNOTEL data as of Jun 22, 2020



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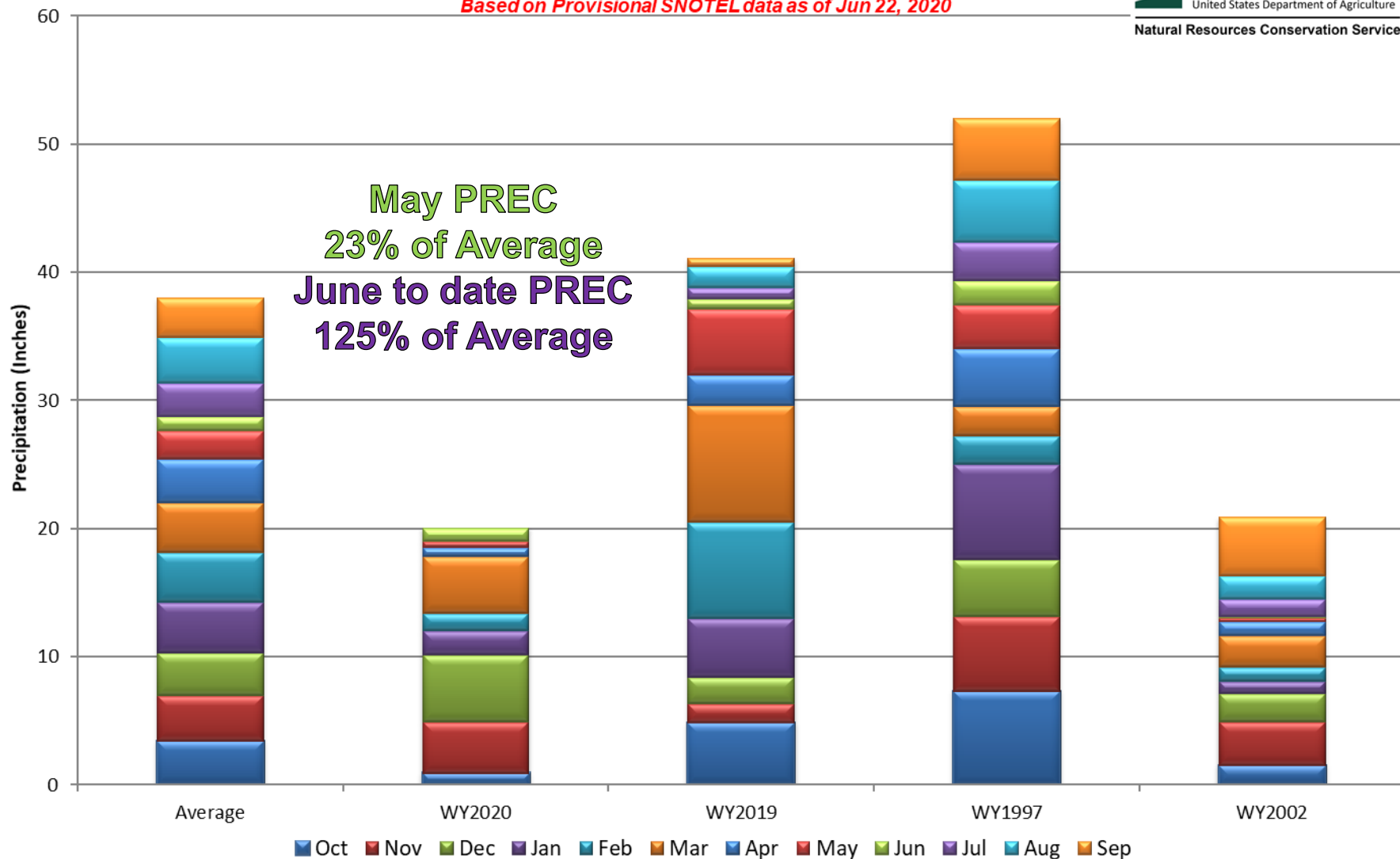
San Miguel, Dolores, Animas and San Juan River Basins High/Low Monthly Precipitation Summary

Based on Provisional SNOTEL data as of Jun 22, 2020



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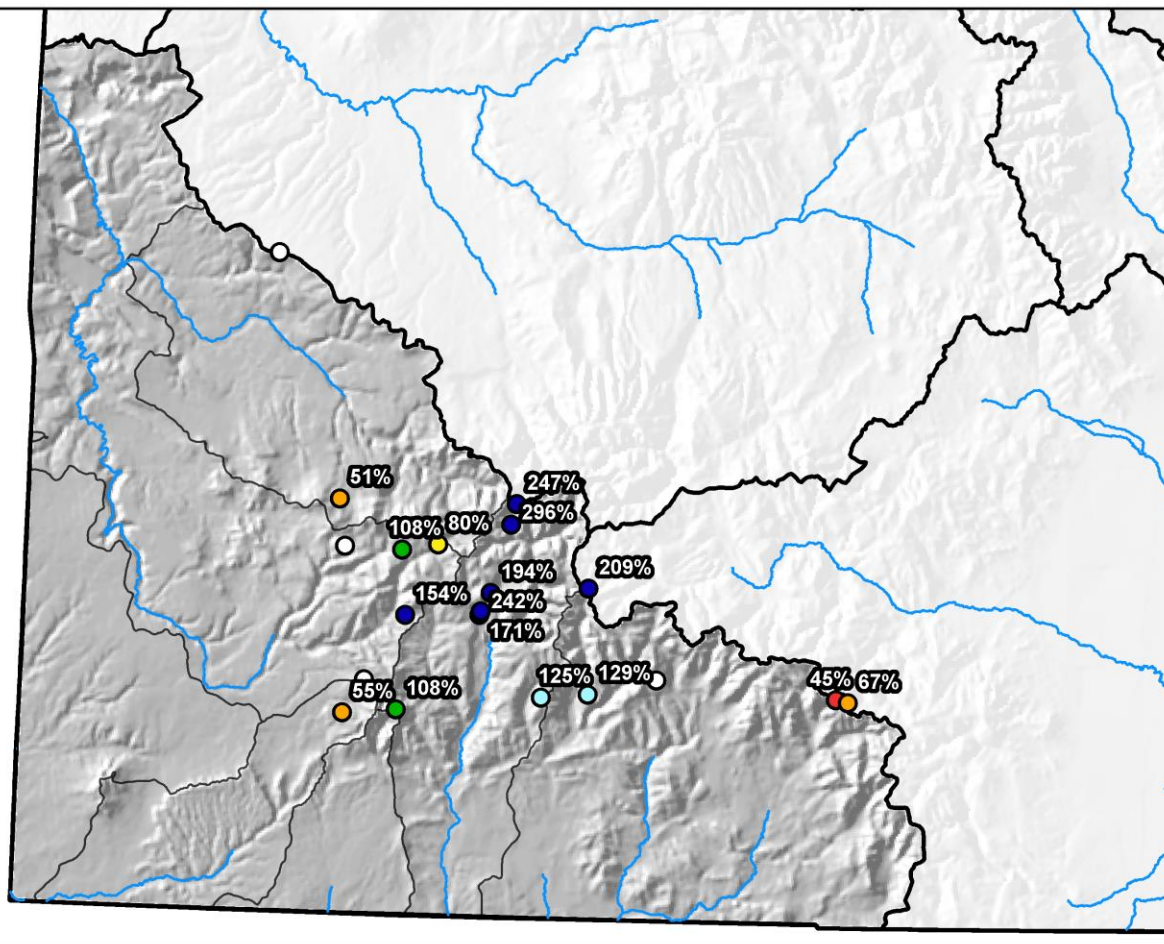


San Miguel, Dolores, Animas, and San Juan River Basins Month to Date Precipitation Summary

Current as of Jun 22, 2020

MTD Precipitation Percent of Average

- Missing or Invalid
- < 50
- 50 - 69
- 70 - 89
- 90 - 109
- 110 - 129
- 130 - 149
- ≥ 150
- SNOTEL



0 10 20 40 60 80 Miles

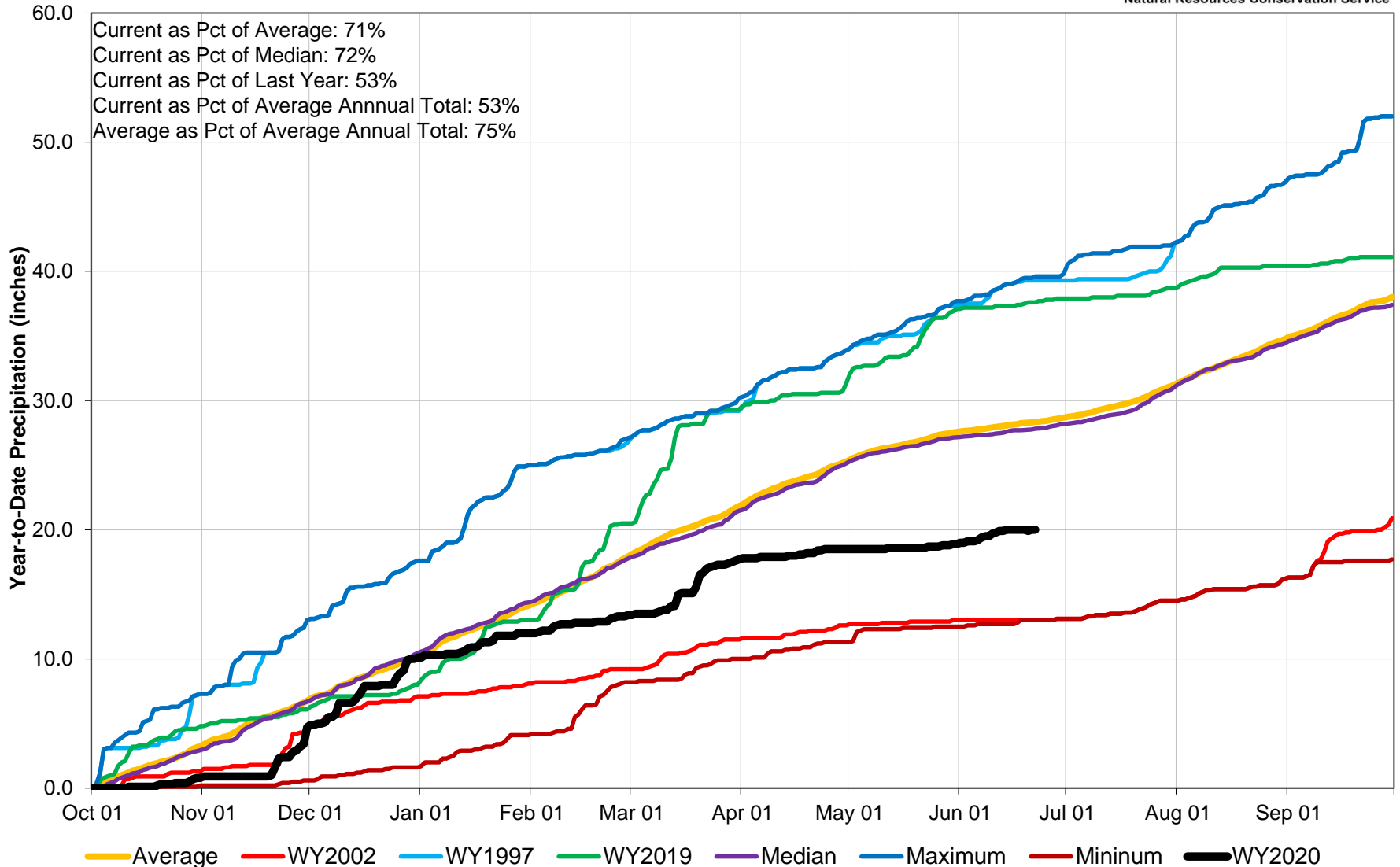
San Miguel, Dolores, Animas and San Juan River Basins High/Low Year-to-Date Precipitation Summary

Based on Provisional SNOTEL data as of Jun 22, 2020



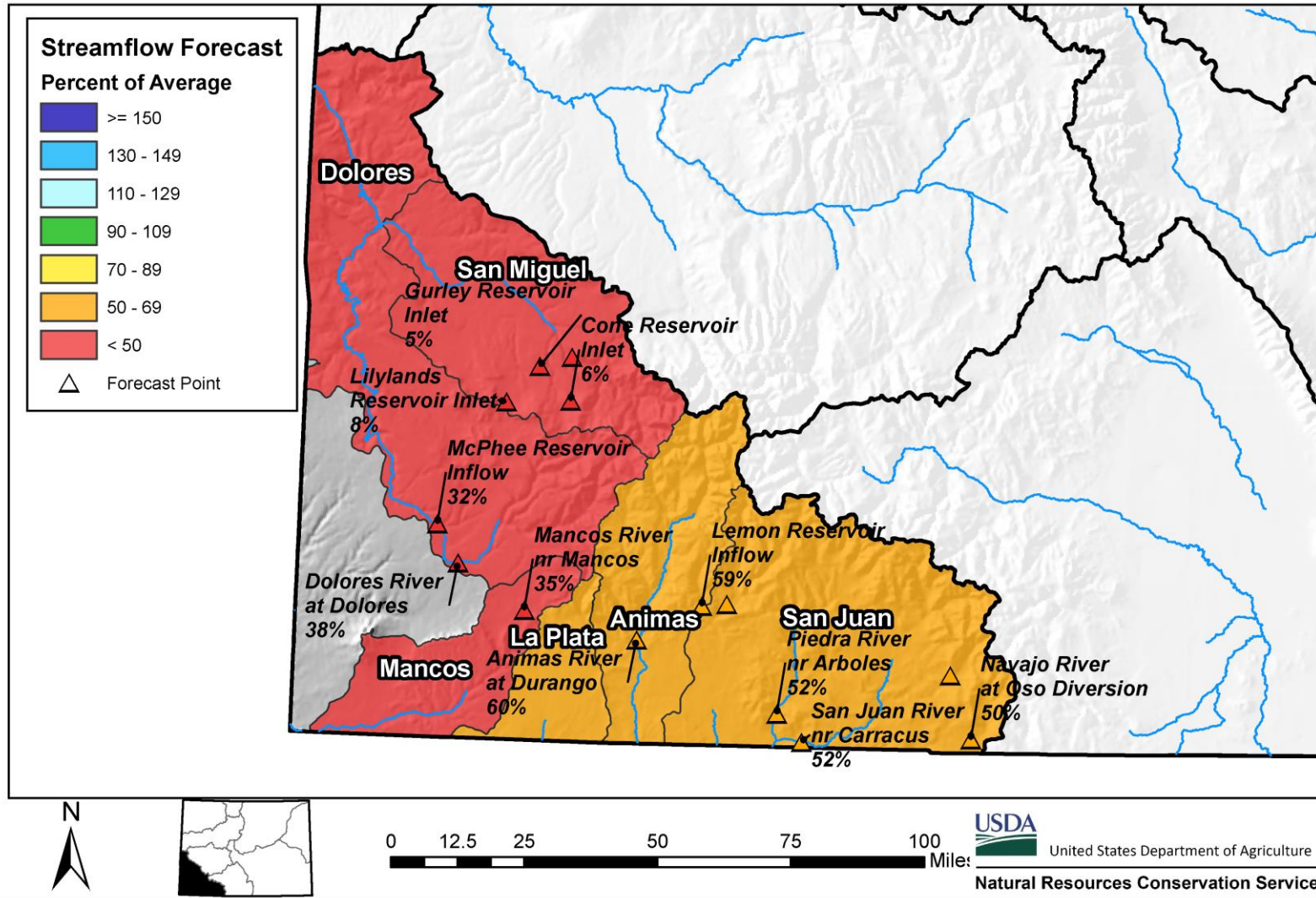
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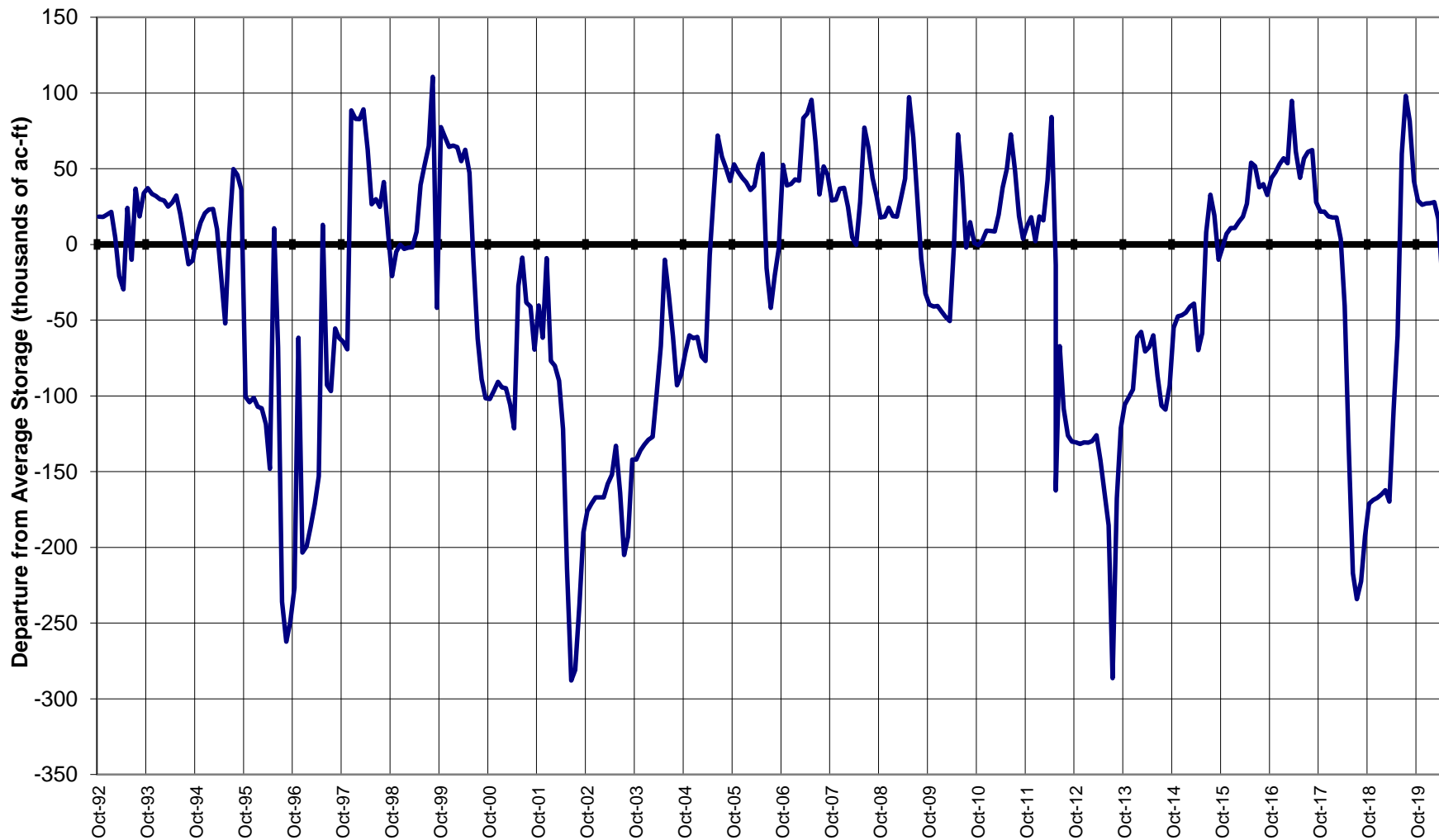
San Miguel, Dolores, Animas, and San Juan River Basins Streamflow Forecast Summary

June 1, 2020



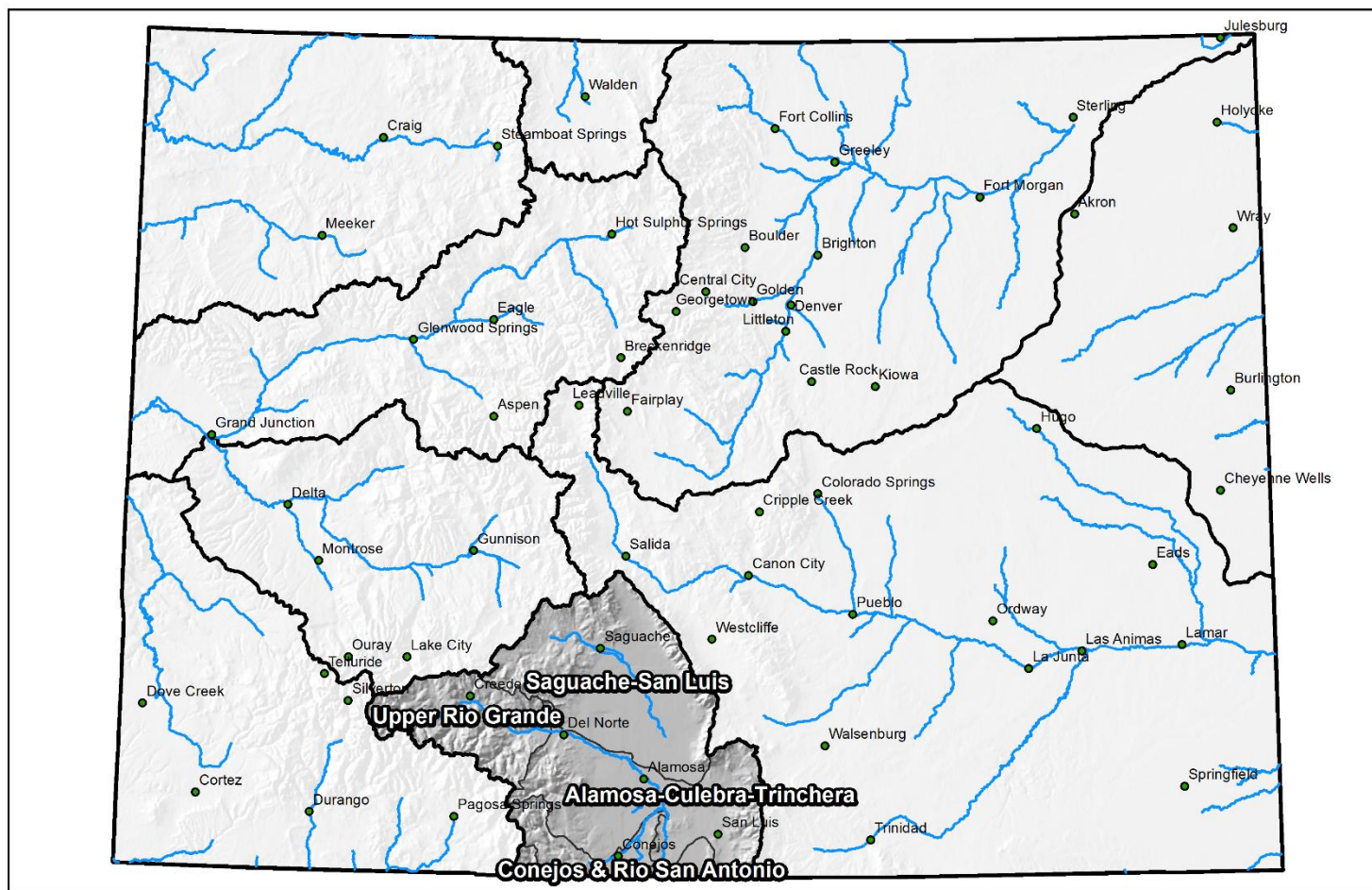
SAN MIGUEL, DOLORES, ANIMAS AND SAN JUAN RIVER BASINS

Reservoir Storage
Departure from Average



Major Basin Summary

Upper Rio Grande River Basin





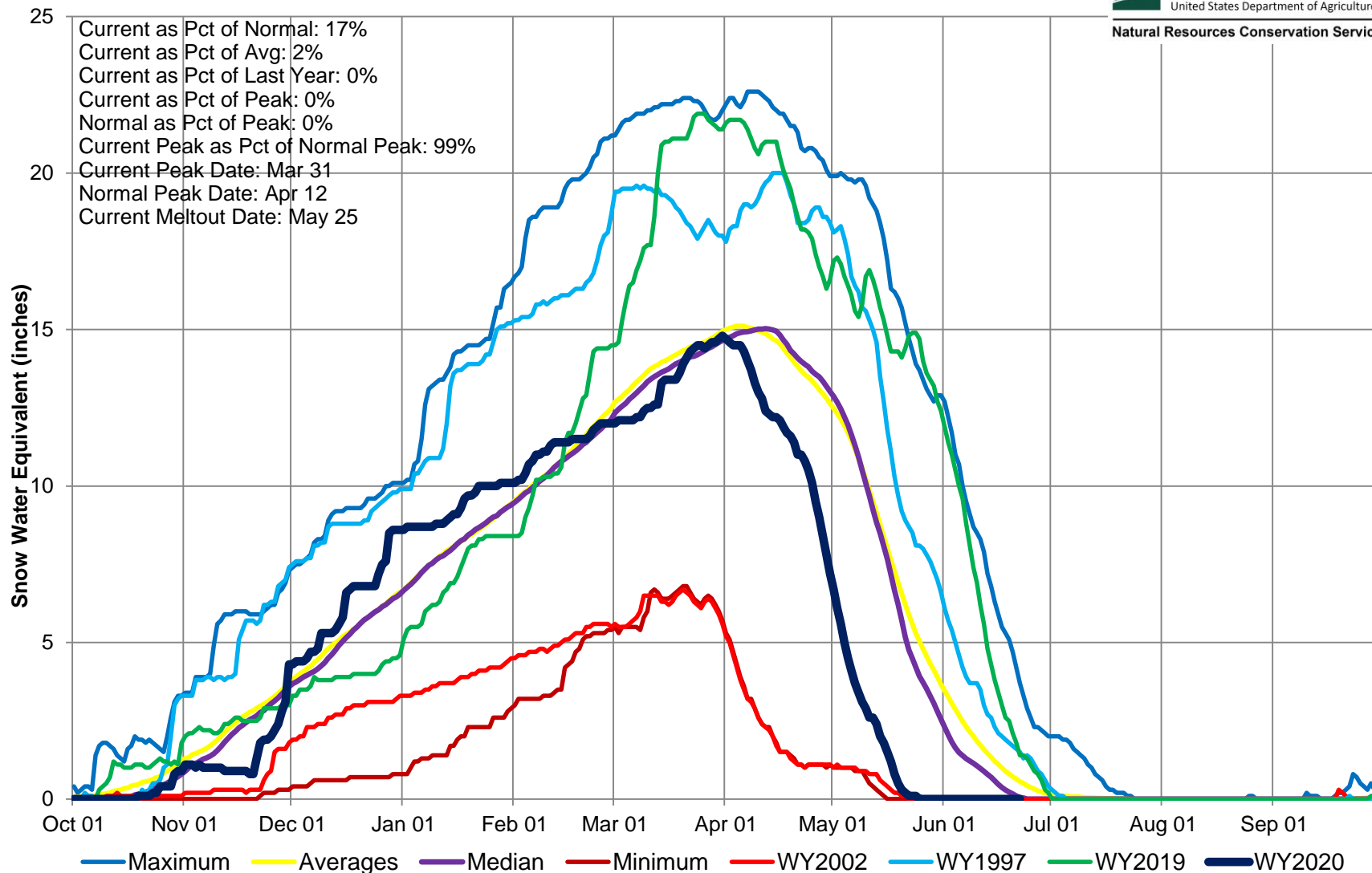
Upper Rio Grande Basin High/Low Snowpack Summary

Based on Provisional SNOTEL data as of Jun 22, 2020



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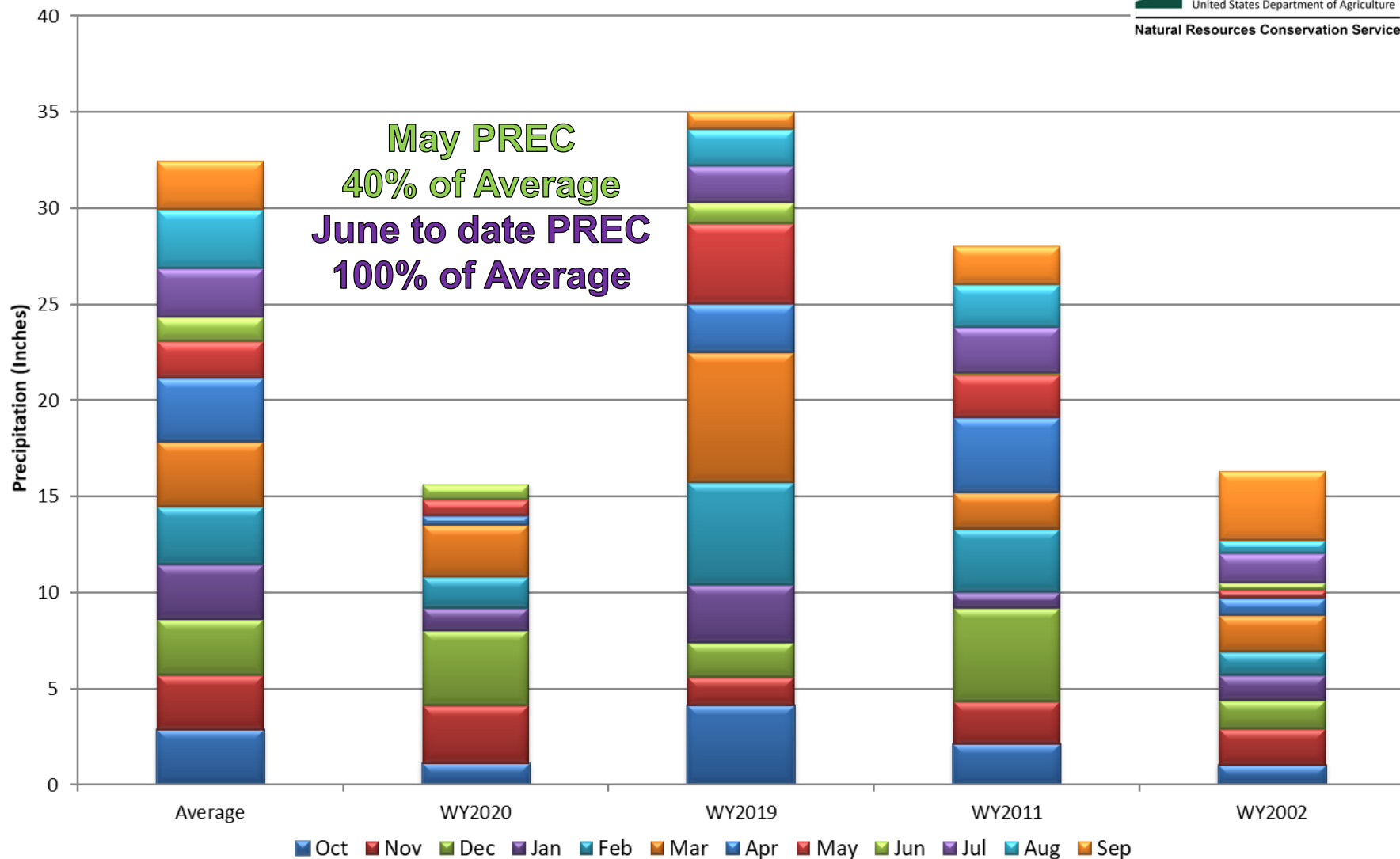
Upper Rio Grande River Basin High/Low Monthly Precipitation Summary

Based on Provisional SNOTEL data as of Jun 22, 2020



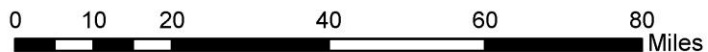
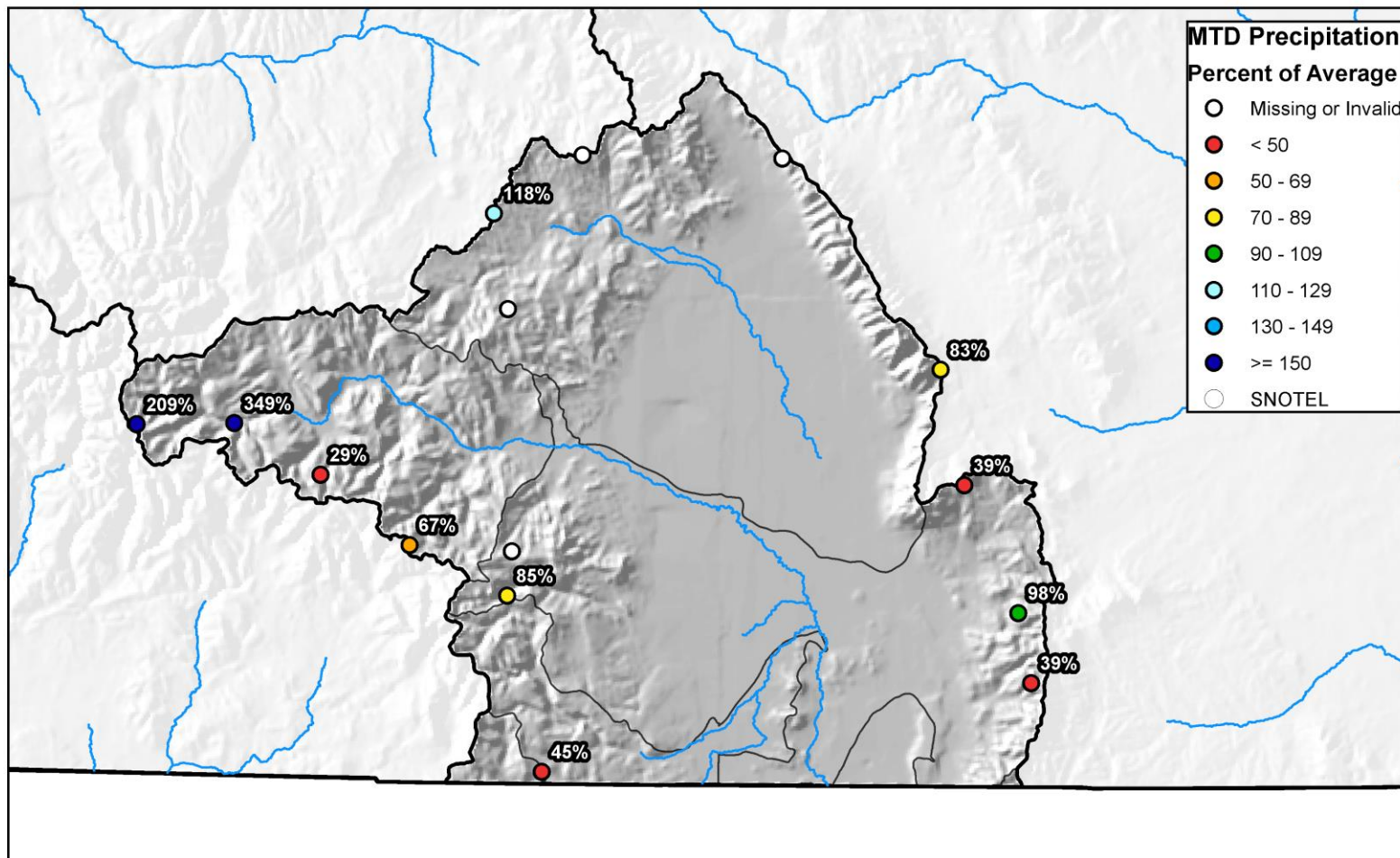
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Upper Rio Grande River Basin Month to Date Precipitation Summary

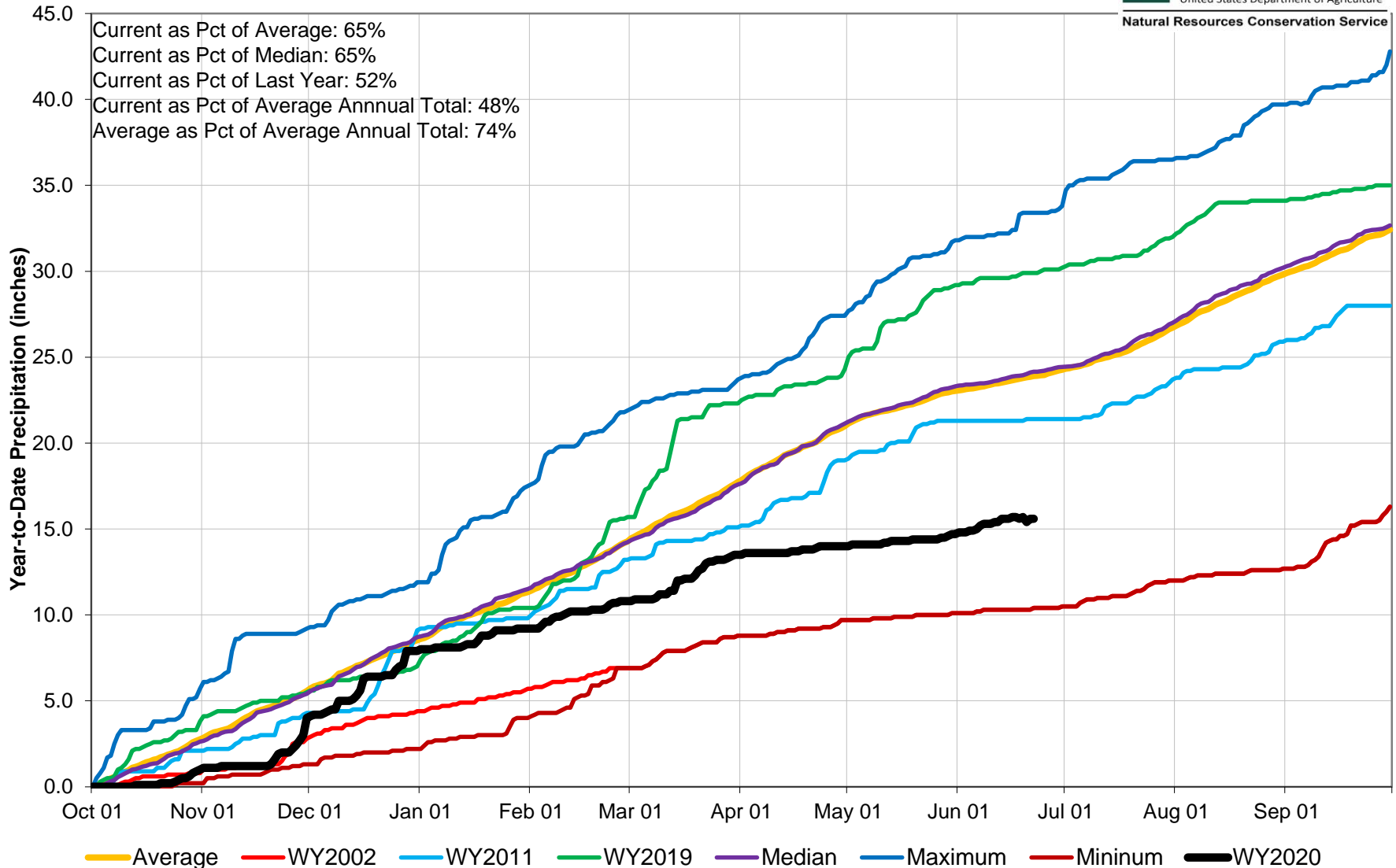
Current as of Jun 22, 2020





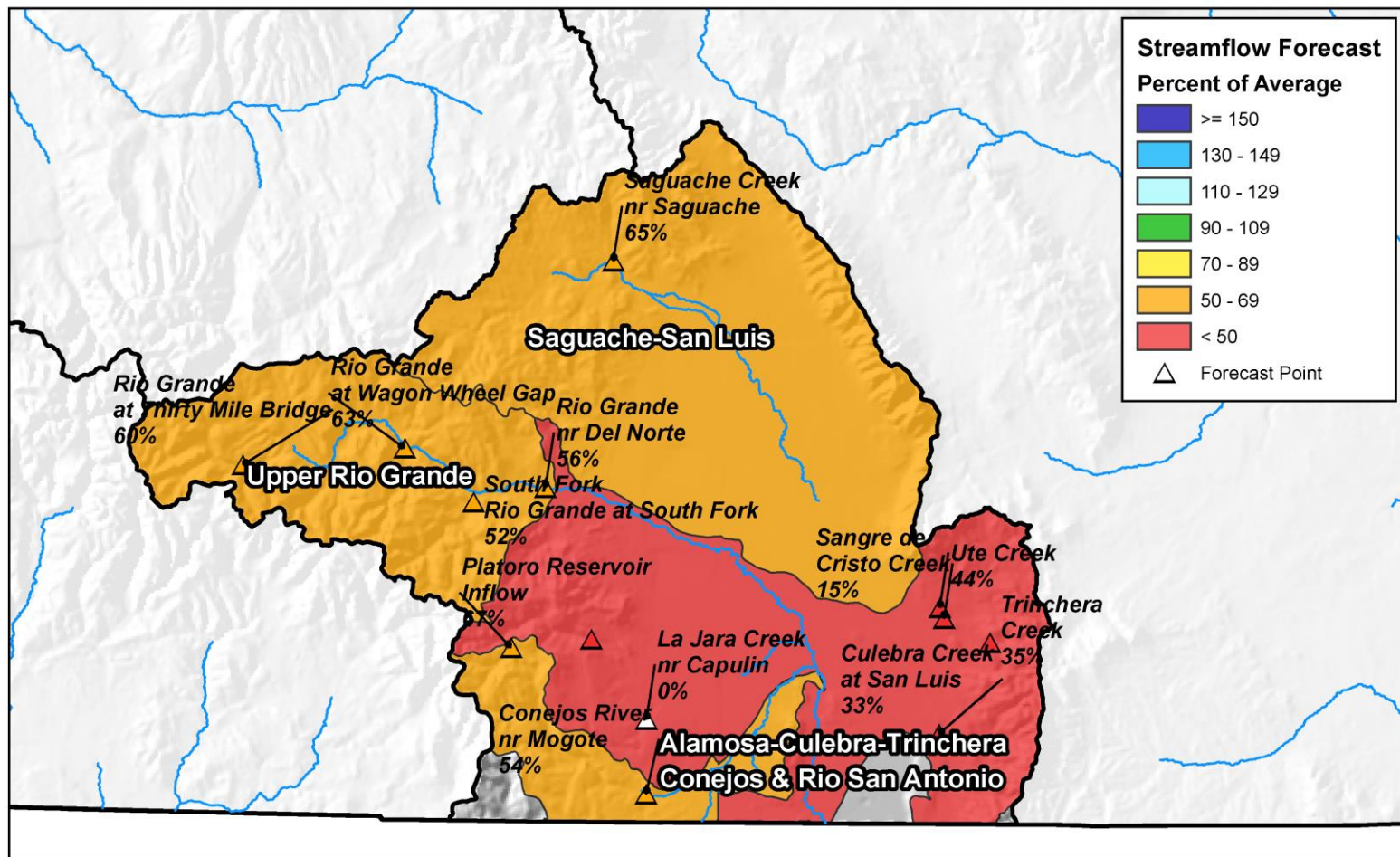
Upper Rio Grande River Basin High/Low Year-to-Date Precipitation Summary

Based on Provisional SNOTEL data as of Jun 22, 2020

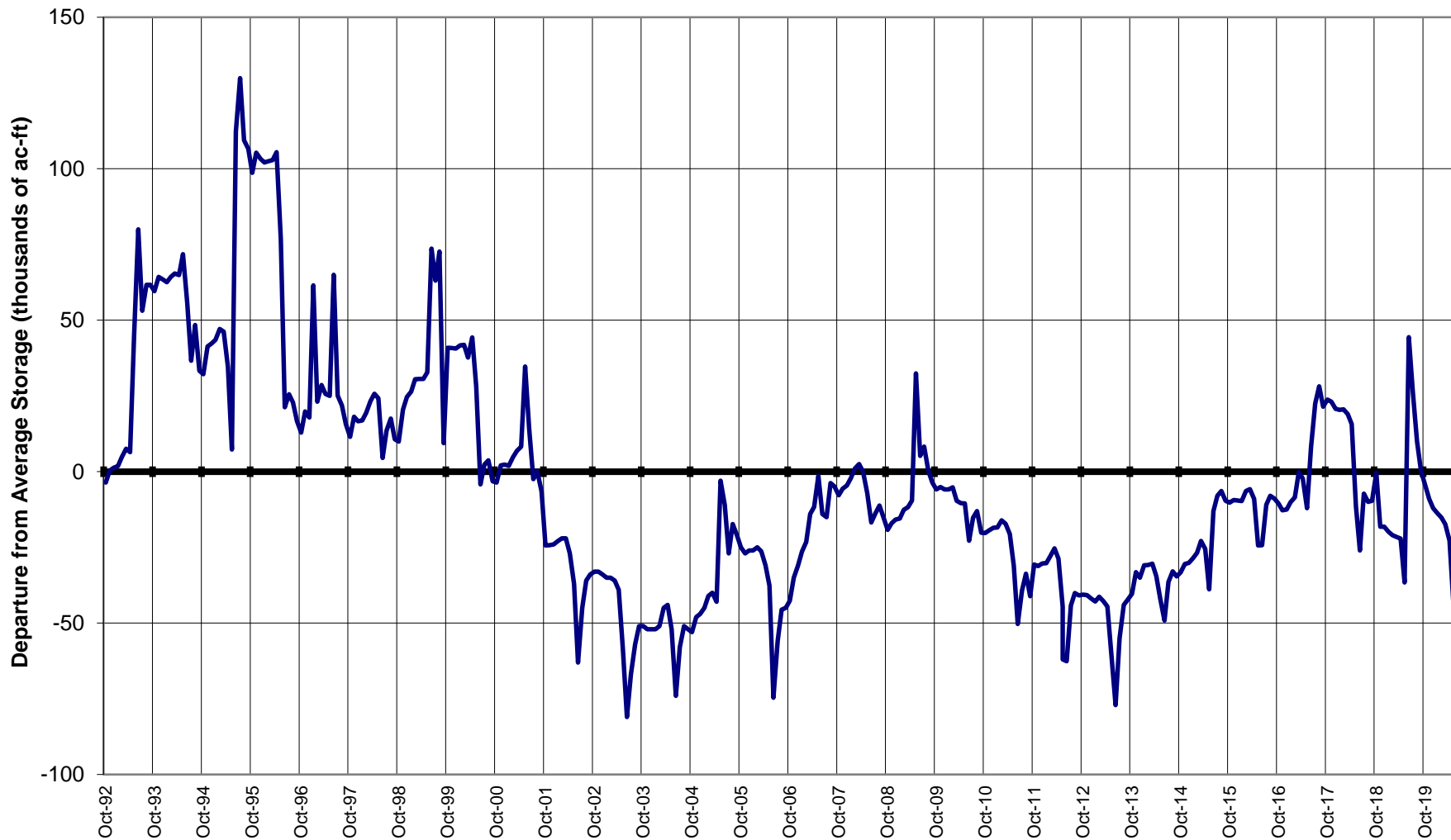


Upper Rio Grande River Basin Streamflow Forecast Summary

June 1, 2020

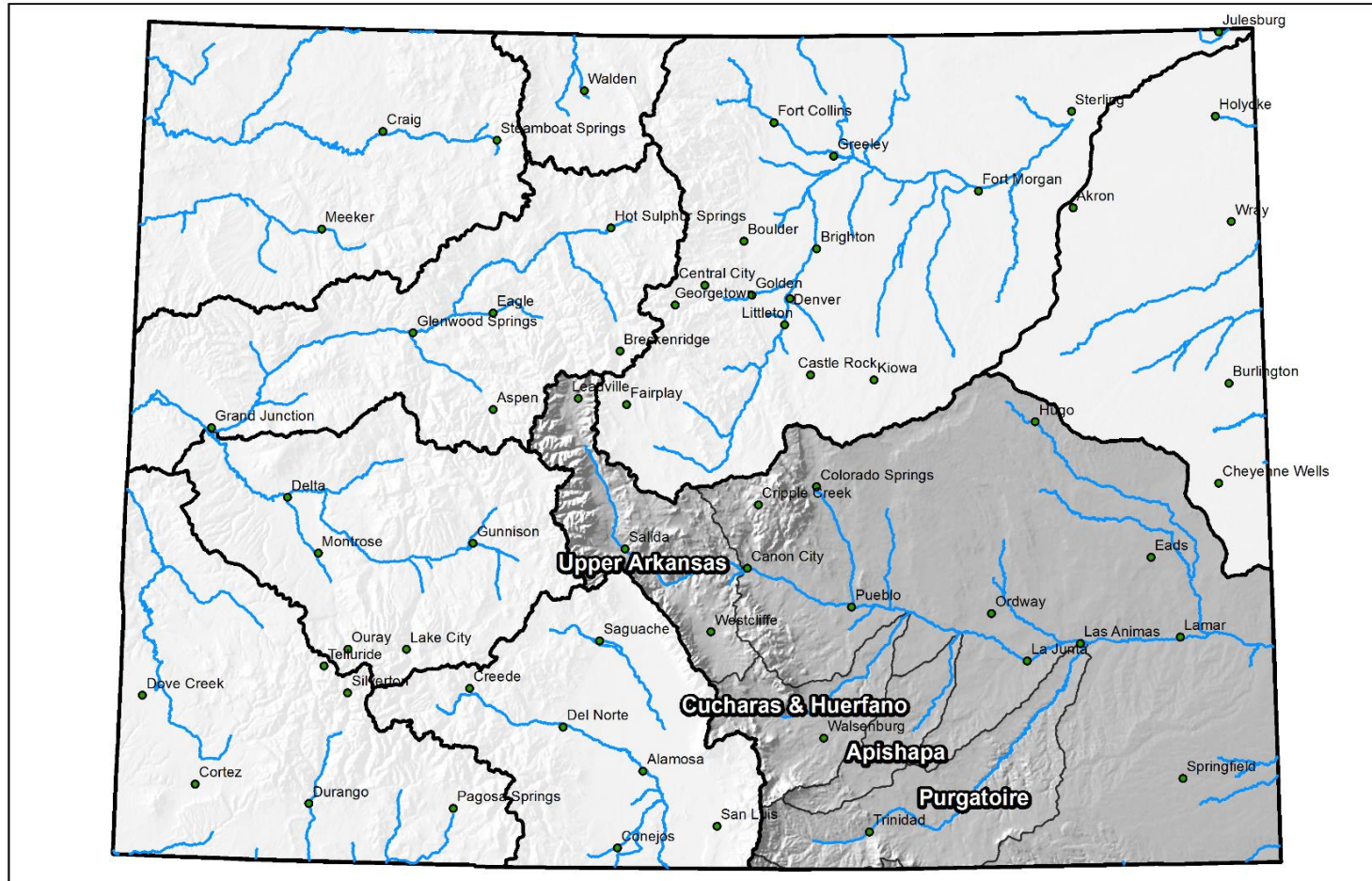


UPPER RIO GRANDE BASIN Reservoir Storage Departure from Average



Major Basin Summary

Arkansas River Basin



0 25 50 100 150 200 Miles

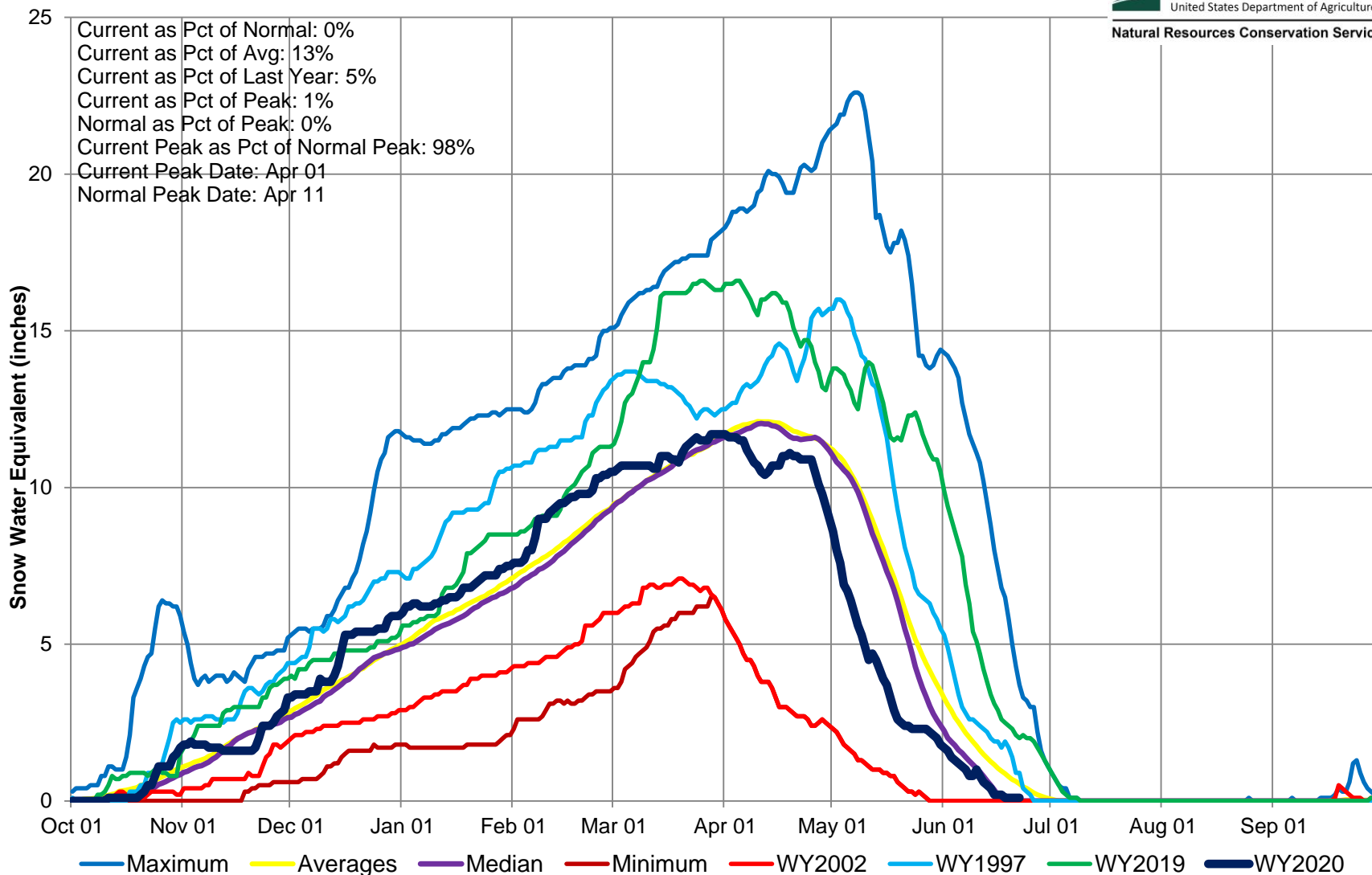
Arkansas River Basin High/Low Snowpack Summary

Based on Provisional SNOTEL data as of Jun 22, 2020



United States Department of Agriculture

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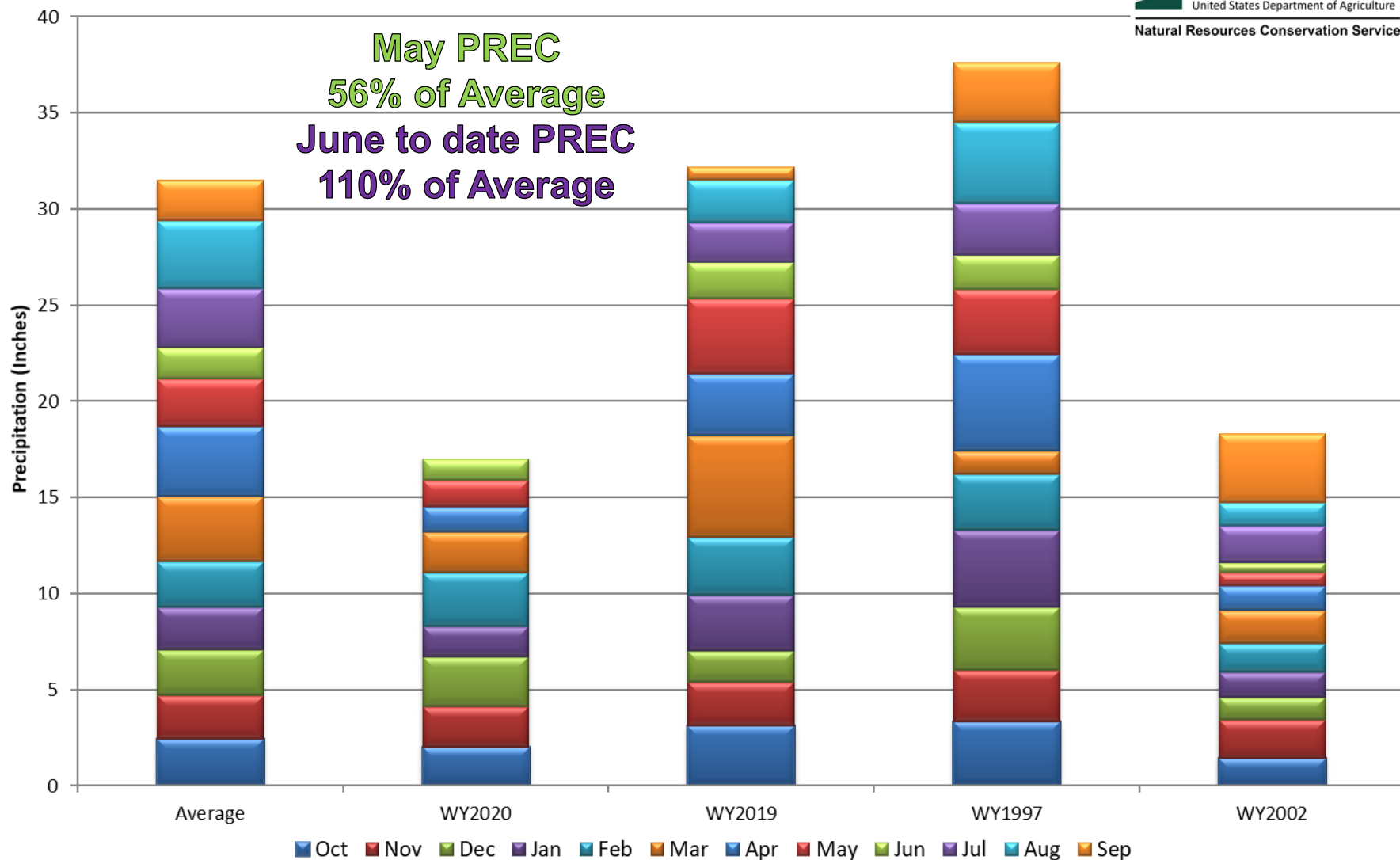
Arkansas River Basin High/Low Monthly Precipitation Summary

Based on Provisional SNOTEL data as of Jun 22, 2020



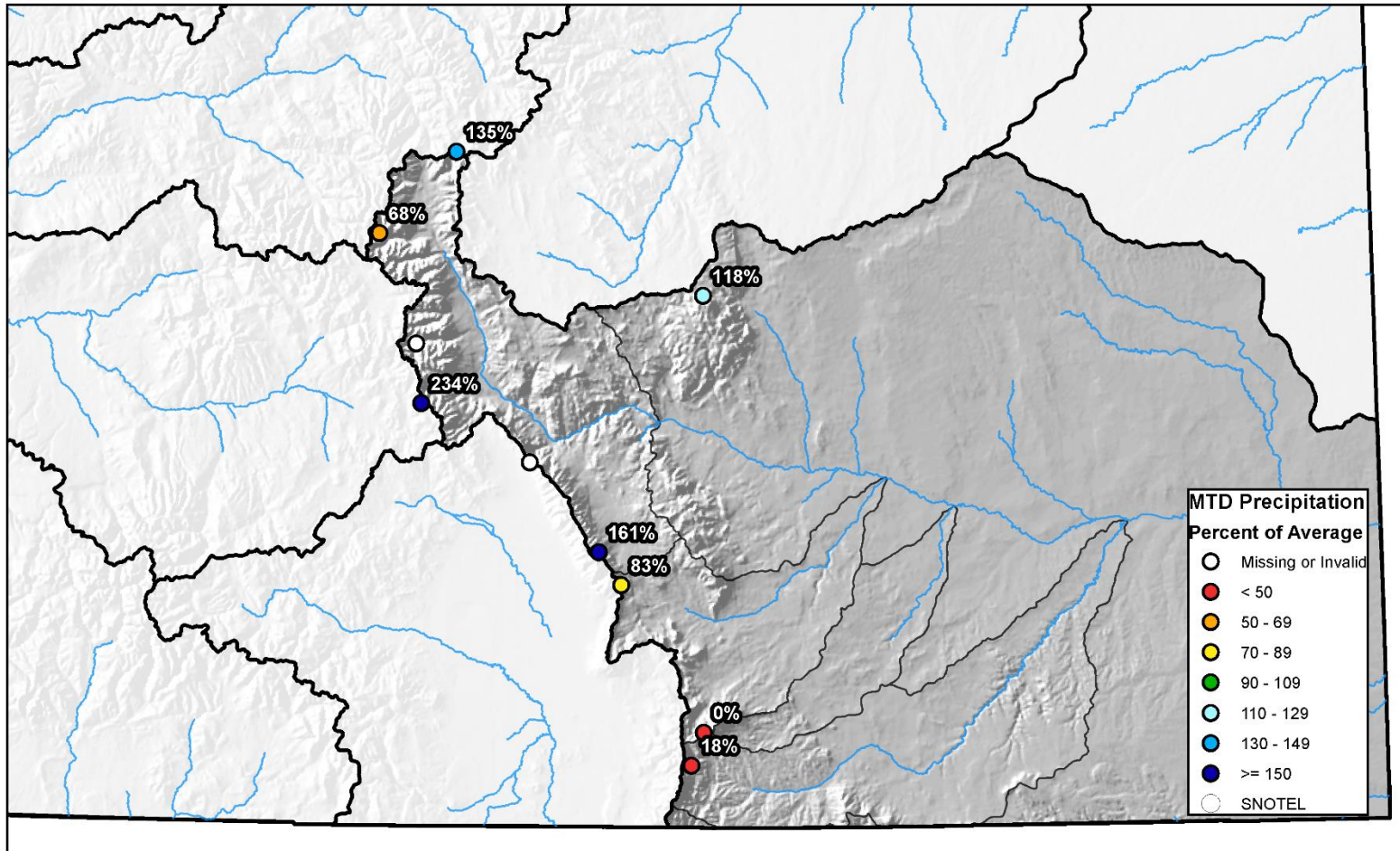
United States Department of Agriculture

Natural Resources Conservation Service



Arkansas River Basin Month to Date Precipitation Summary

Current as of Jun 22, 2020

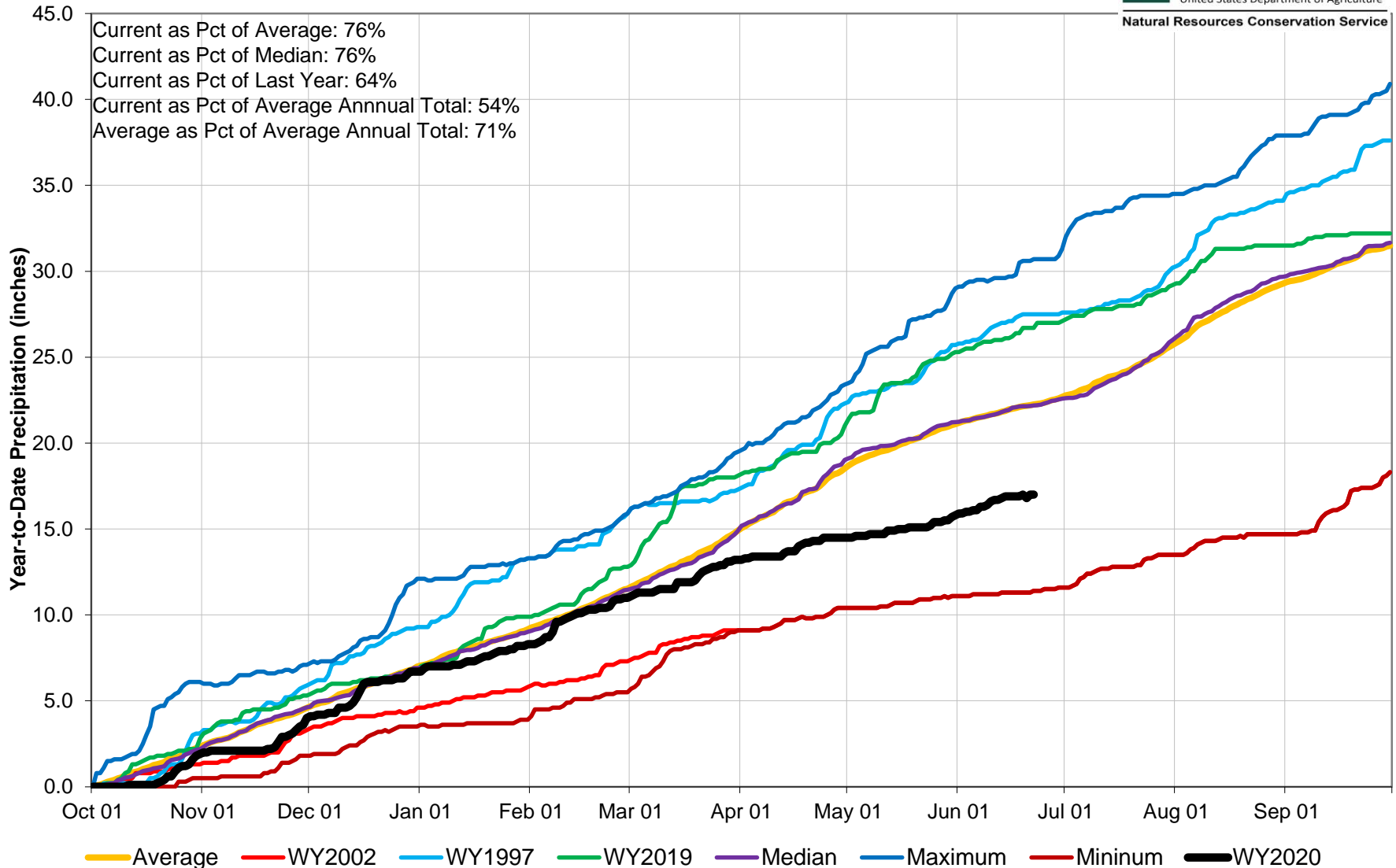


0 10 20 40 60 80 Miles



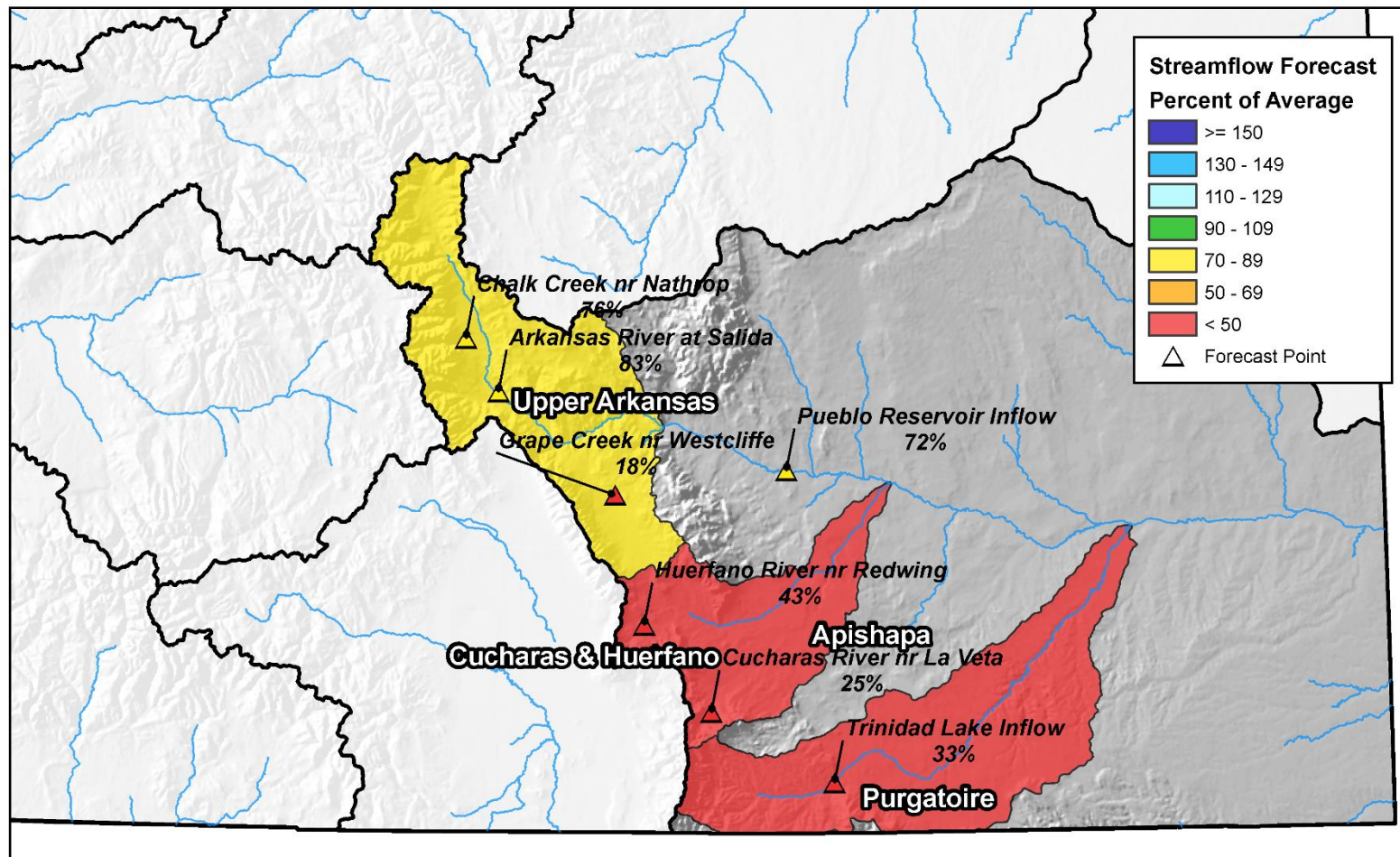
Arkansas River Basin High/Low Year-to-Date Precipitation Summary

Based on Provisional SNOTEL data as of Jun 22, 2020



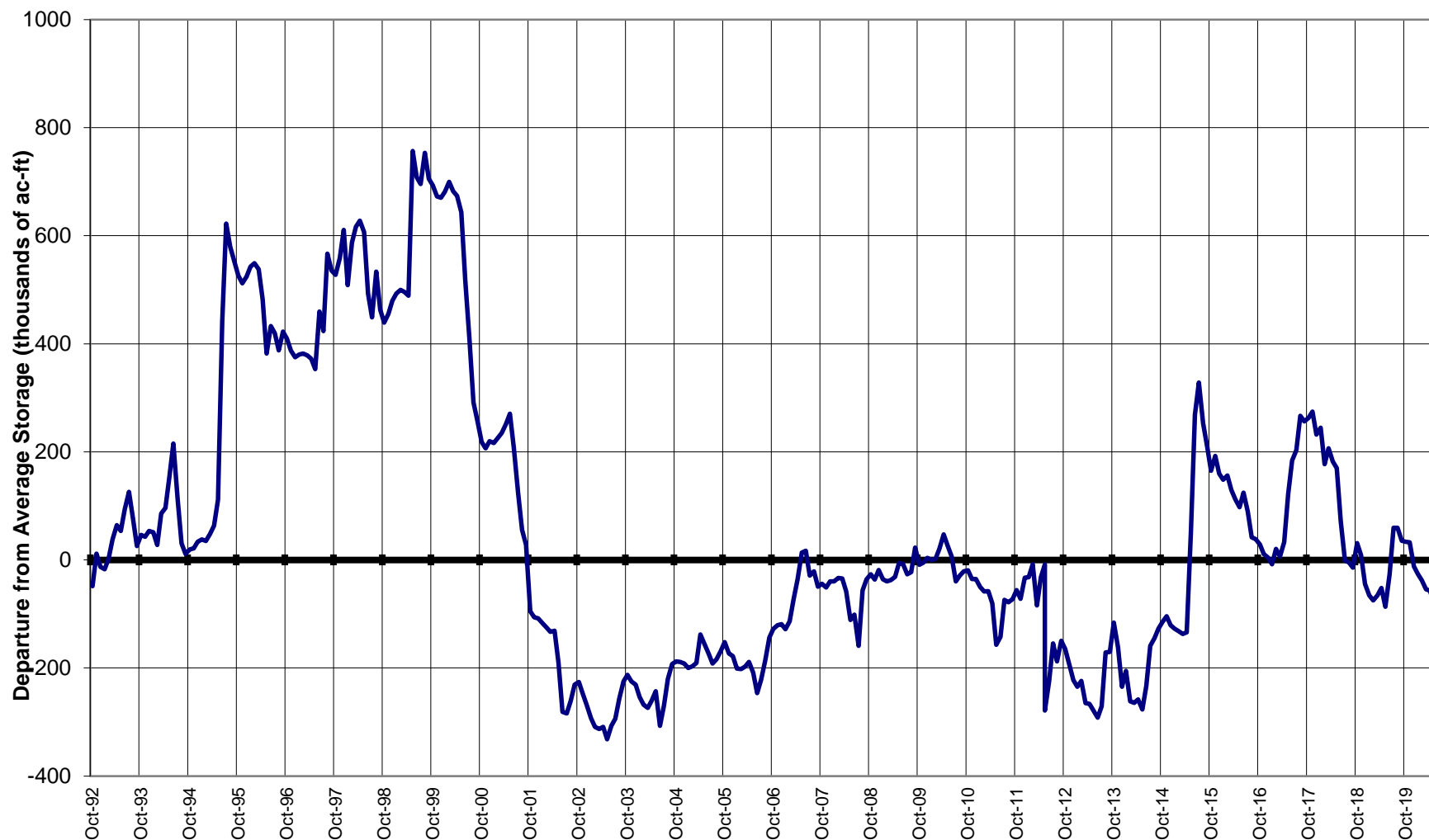
Arkansas River Basin Streamflow Forecast Summary

June 1, 2020



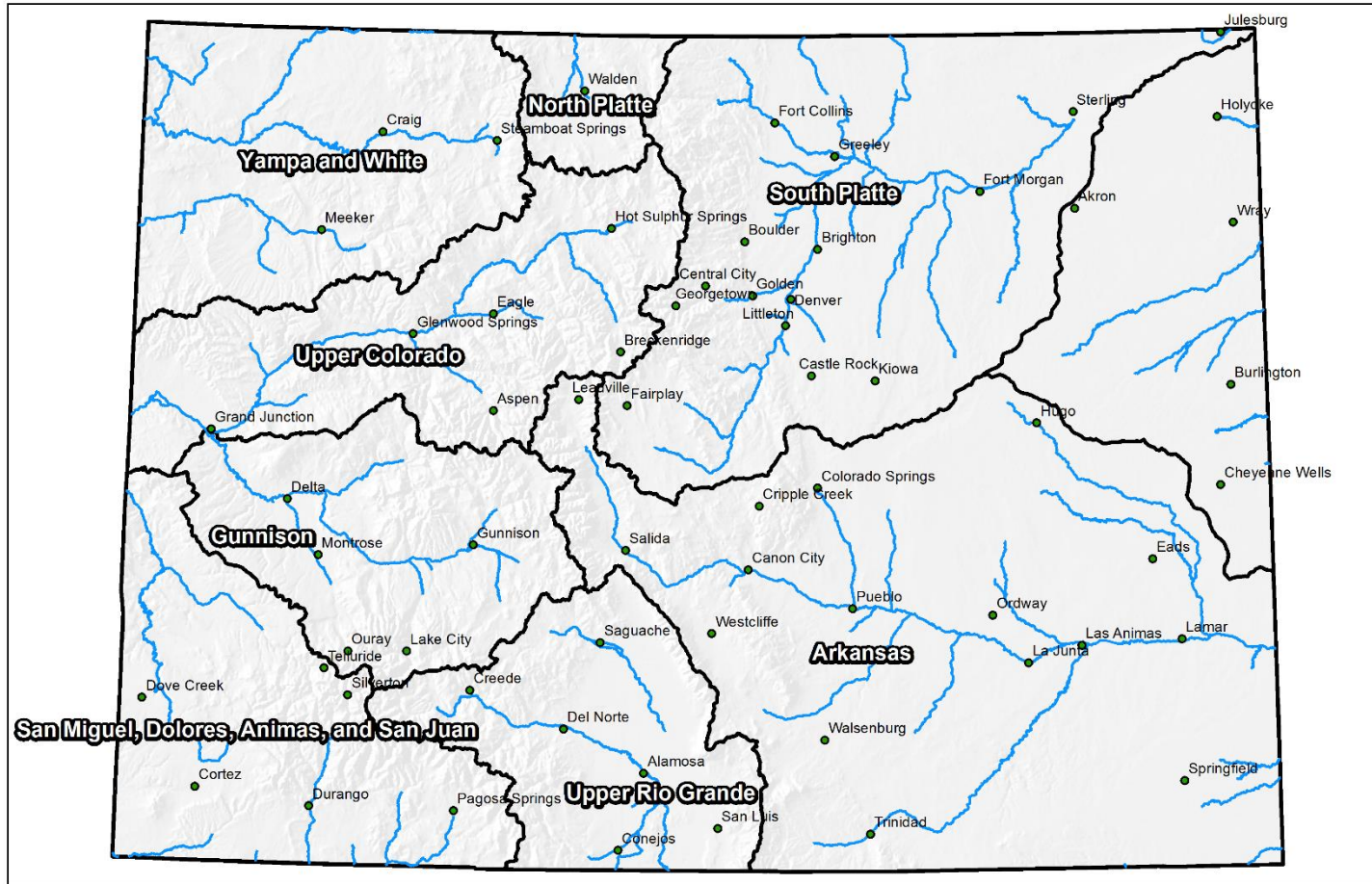
0 10 20 40 60 80 Miles

ARKANSAS RIVER BASIN Reservoir Storage Departure from Average



Colorado Statewide Summary

Colorado Major Basins



0 25 50 100 150 200 Miles



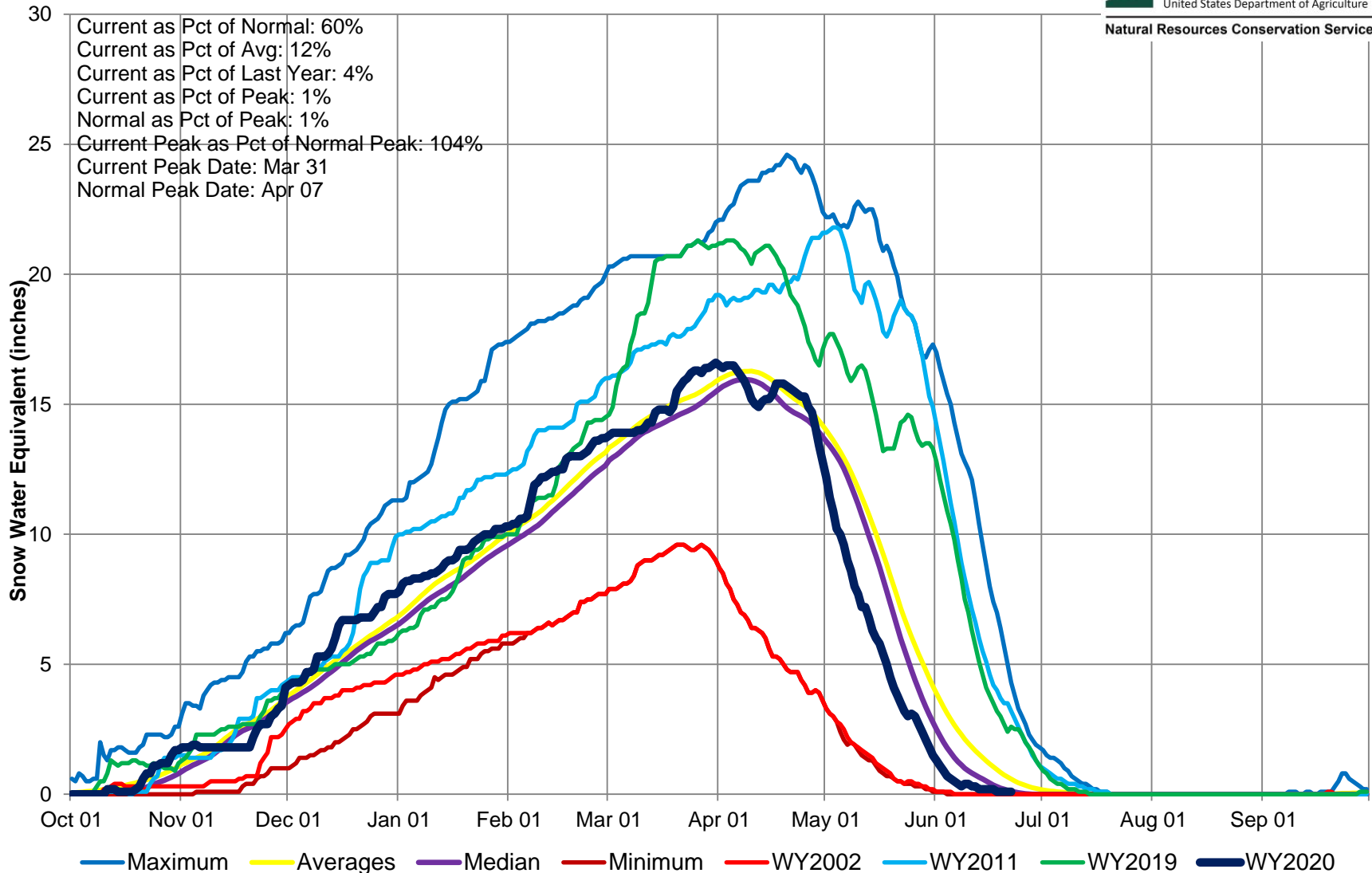
Colorado Statewide High/Low Snowpack Summary

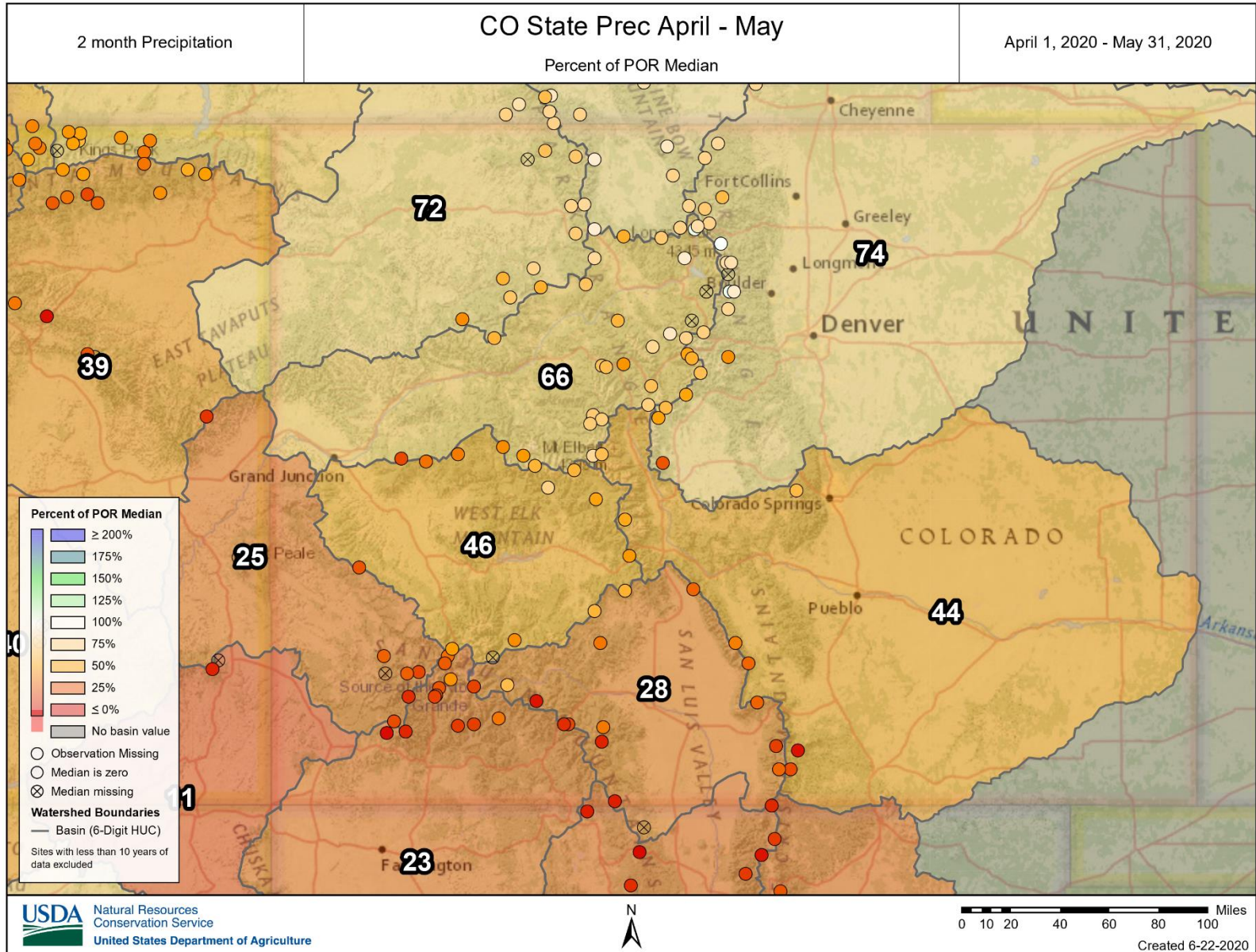
Based on Provisional SNOTEL data as of Jun 22, 2020



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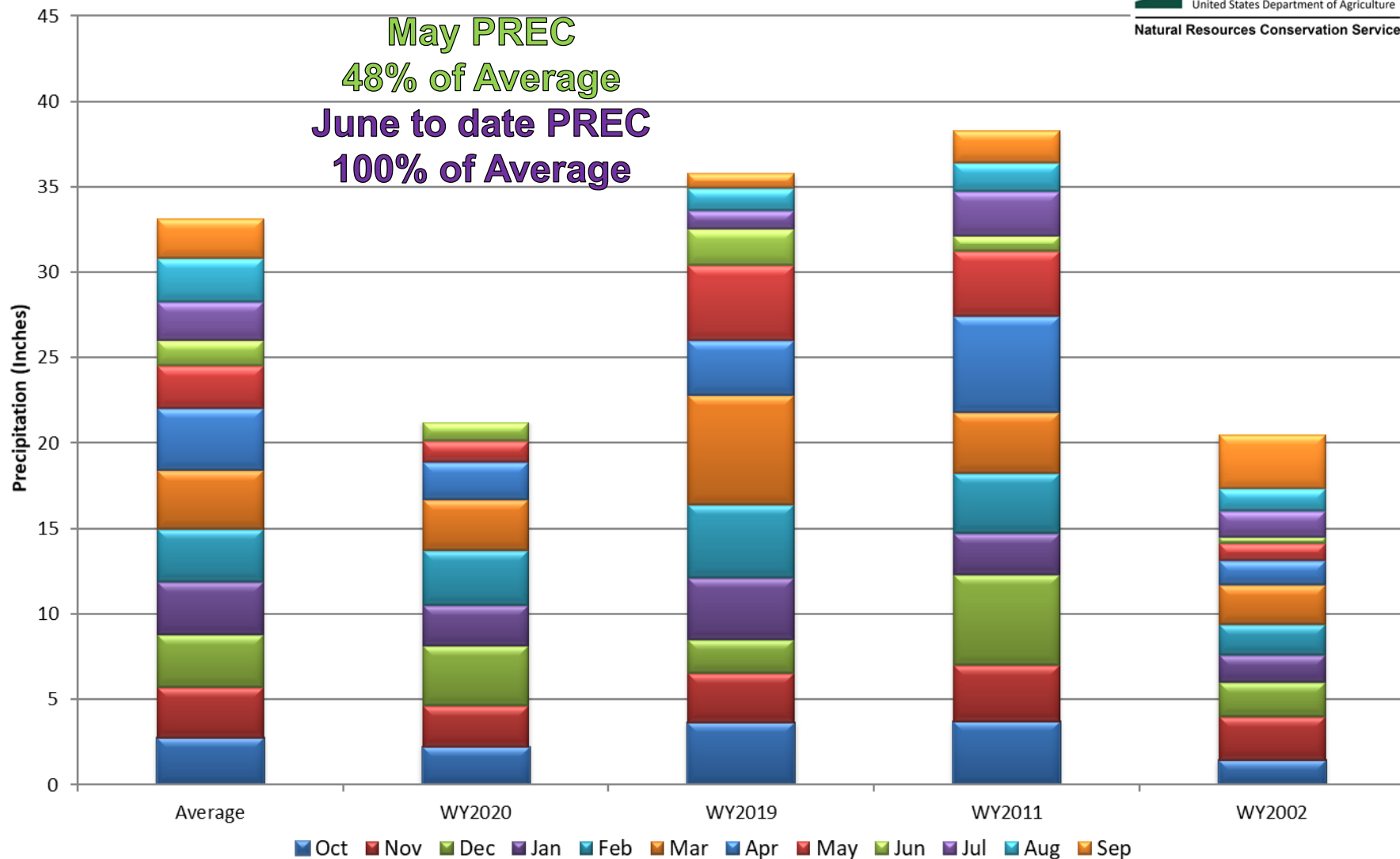
Colorado Statewide High/Low Monthly Precipitation Summary

Based on Provisional SNOTEL data as of Jun 22, 2020



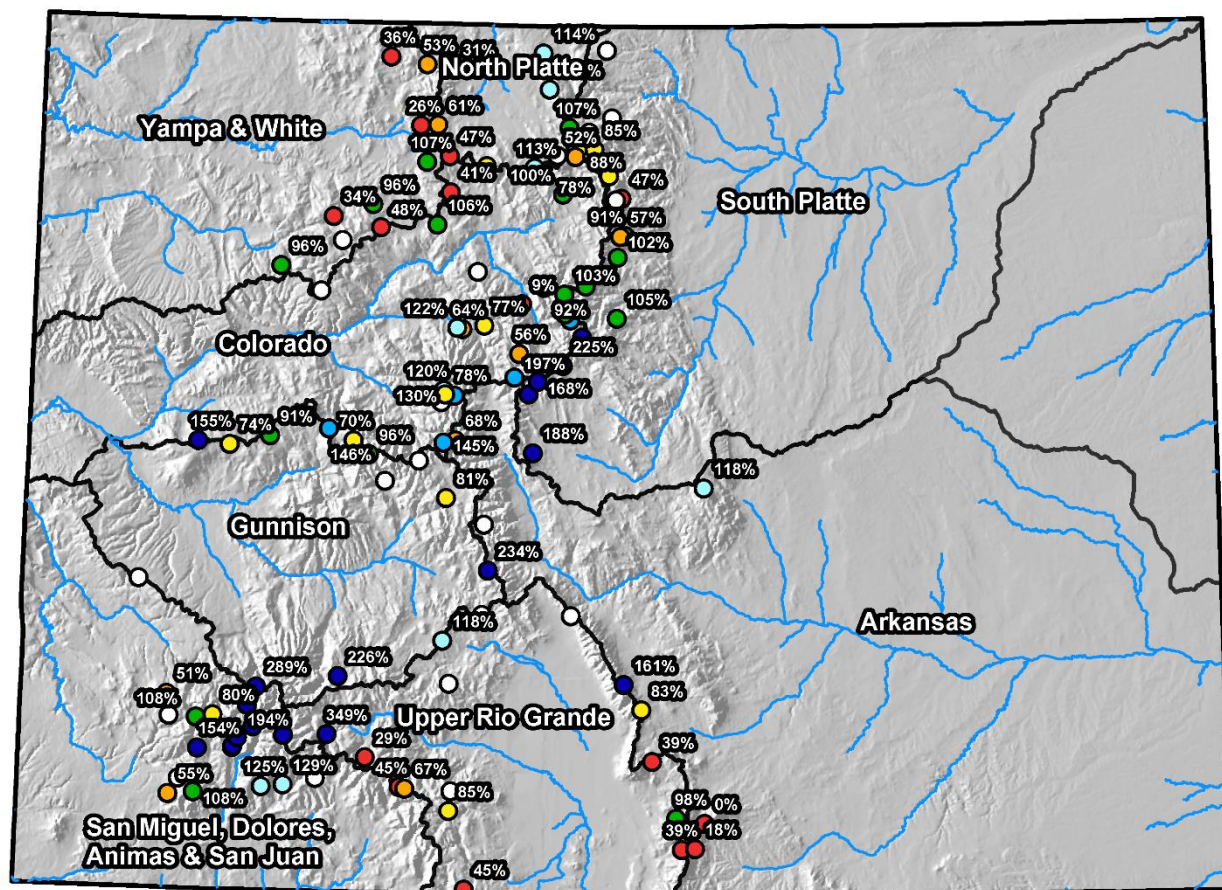
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Colorado SNOTEL Month-to-Date Precipitation

Current as of Jun 22, 2020



MTD Precipitation Percent of Average

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- SNOTEL

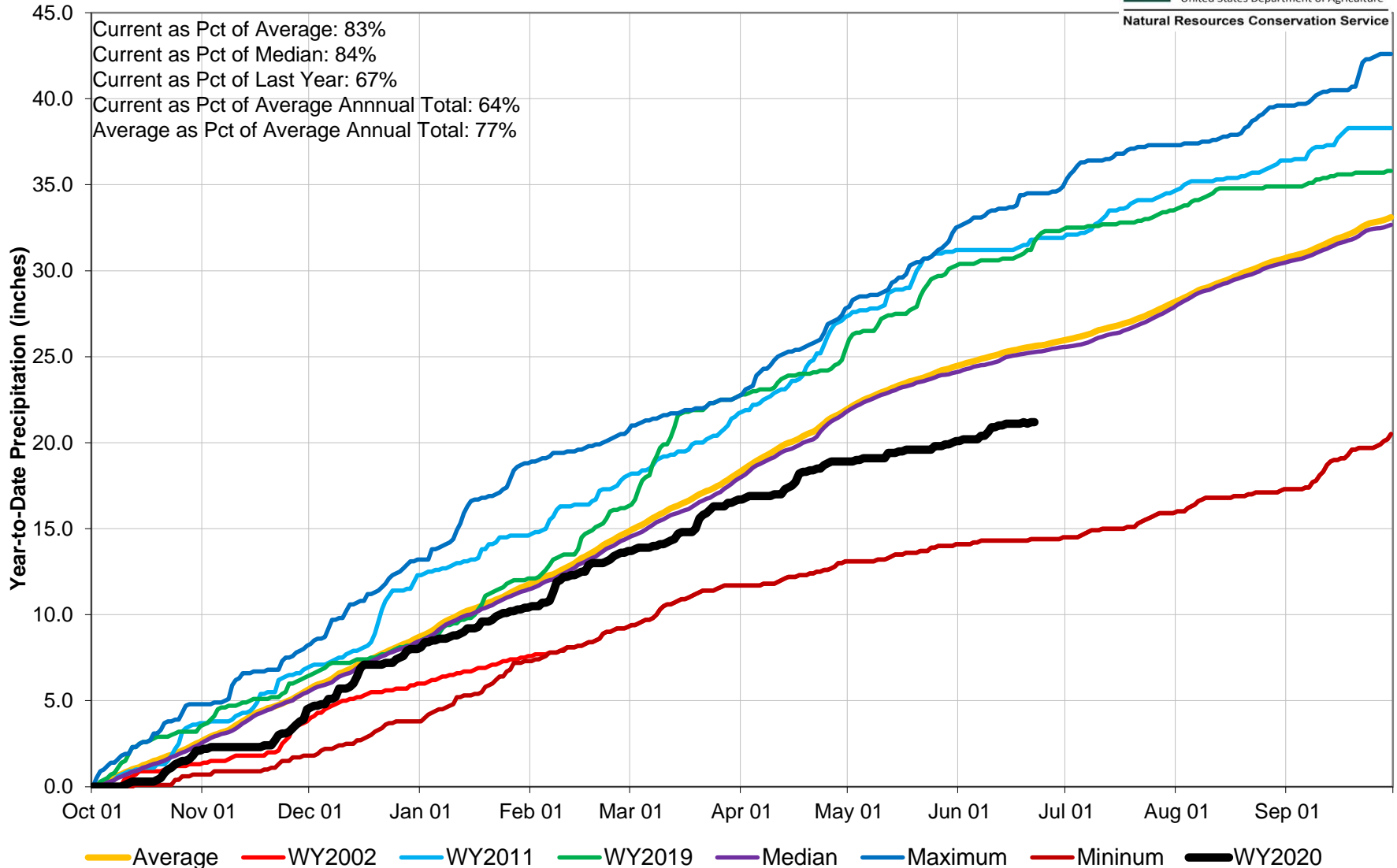


0 25 50 100 150 200 Miles



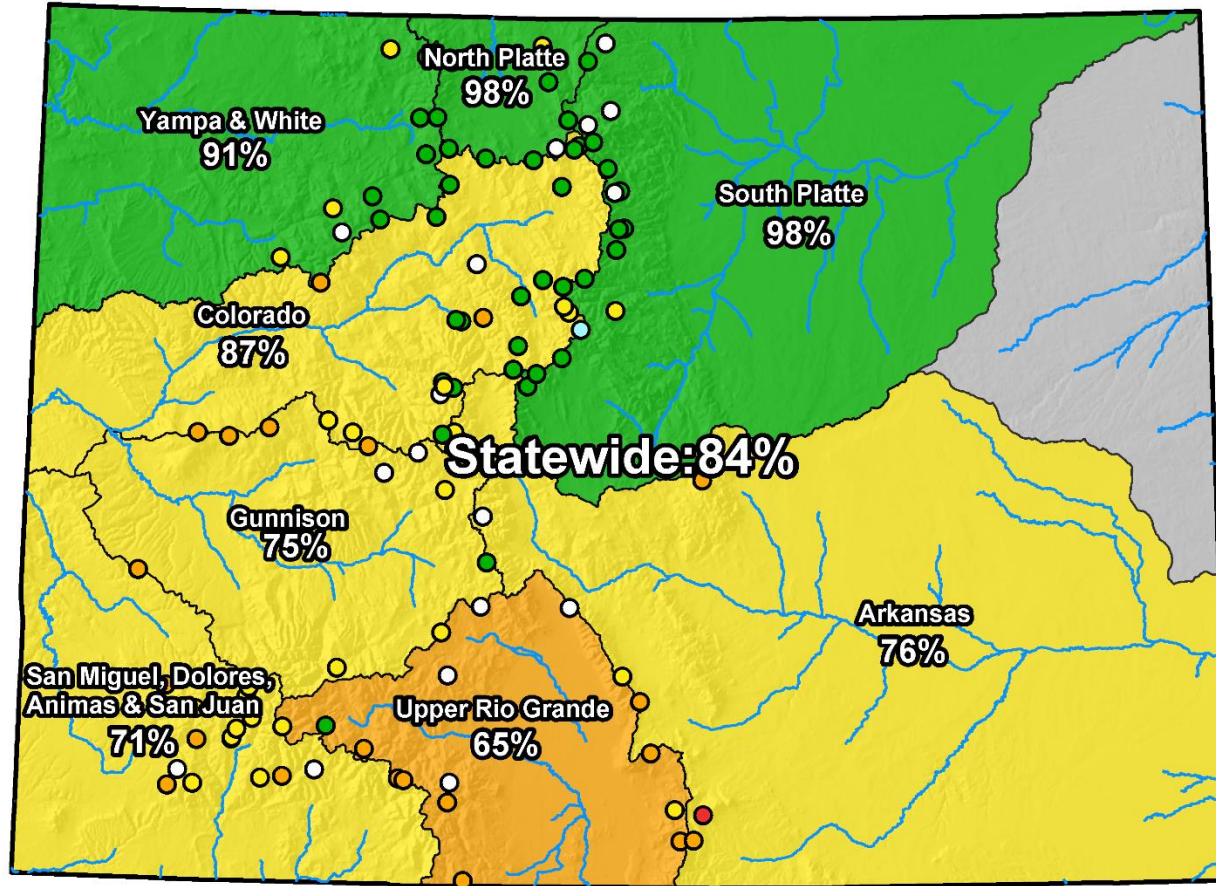
Colorado Statewide High/Low Year-to-Date Precipitation Summary

Based on Provisional SNOTEL data as of Jun 22, 2020



Colorado SNOTEL Water Year to Date Precipitation

Current as of Jun 22, 2020



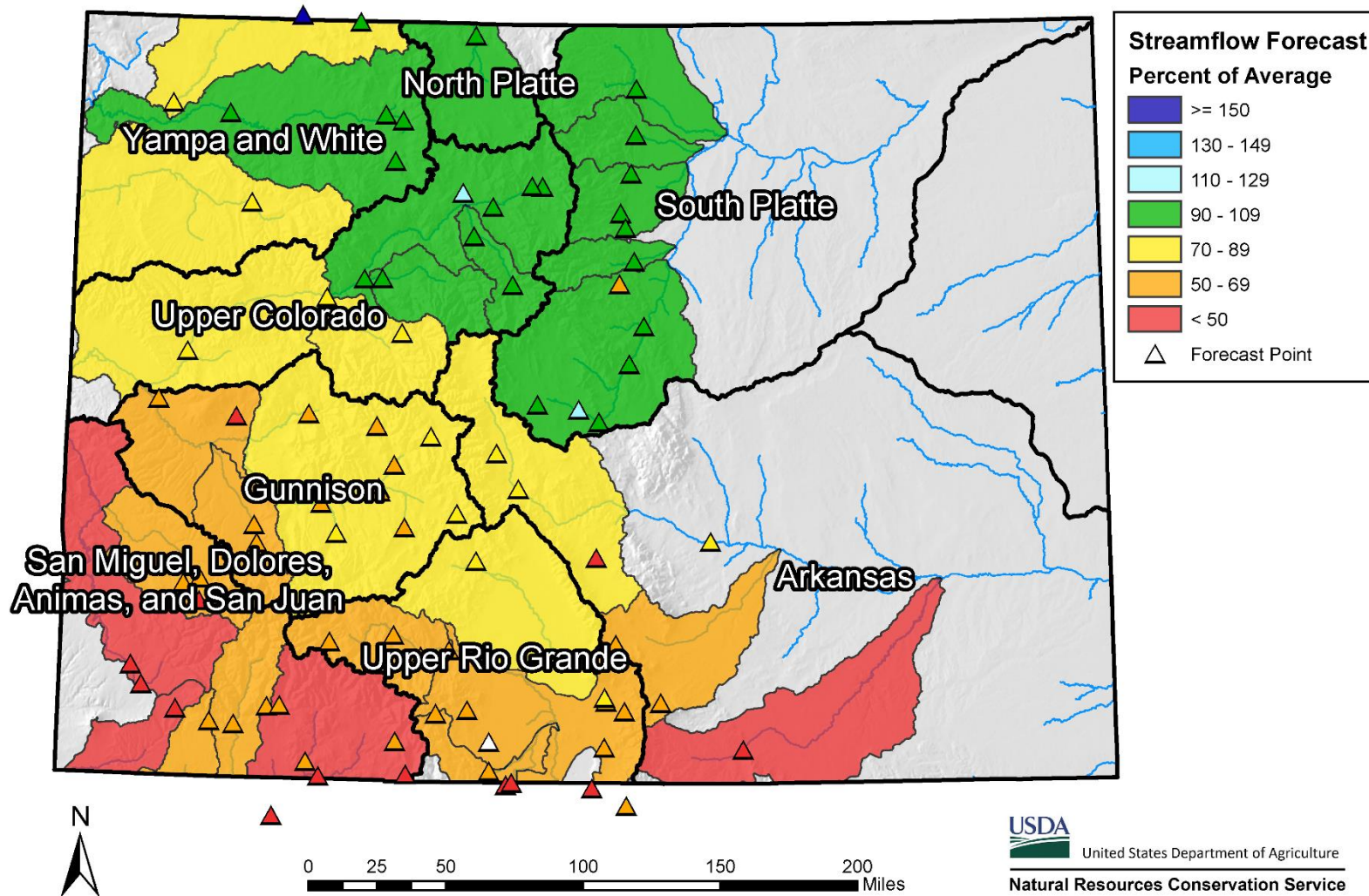
WYTD Precipitation Percent of Average

- Missing or Invalid
- < 50
- 50 - 69
- 70 - 89
- 90 - 109
- 110 - 129
- 130 - 149
- ≥ 150
- SNOTEL

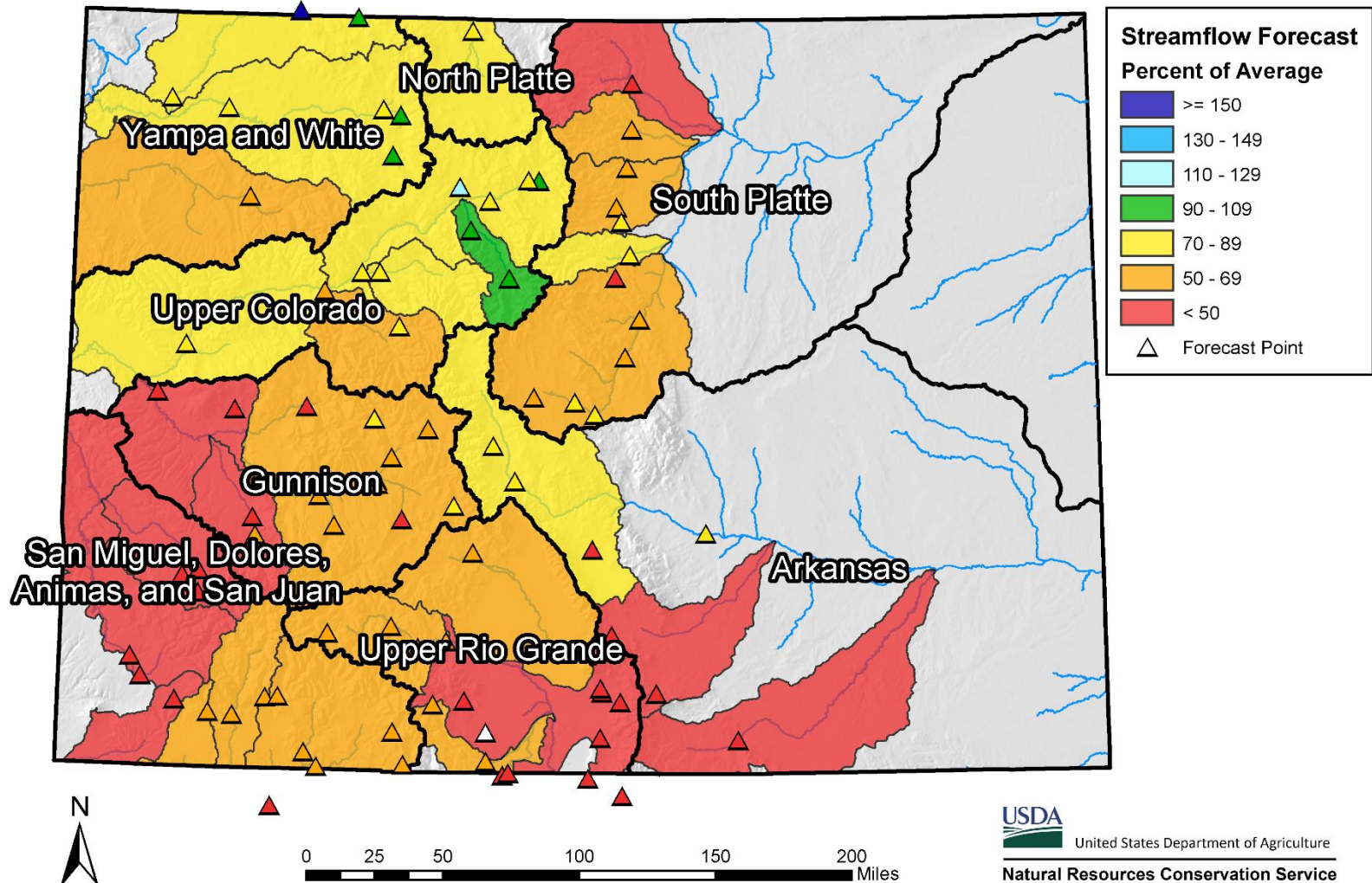


0 25 50 100 150 200 Miles

Colorado Streamflow Forecasts Summary May 1, 2020

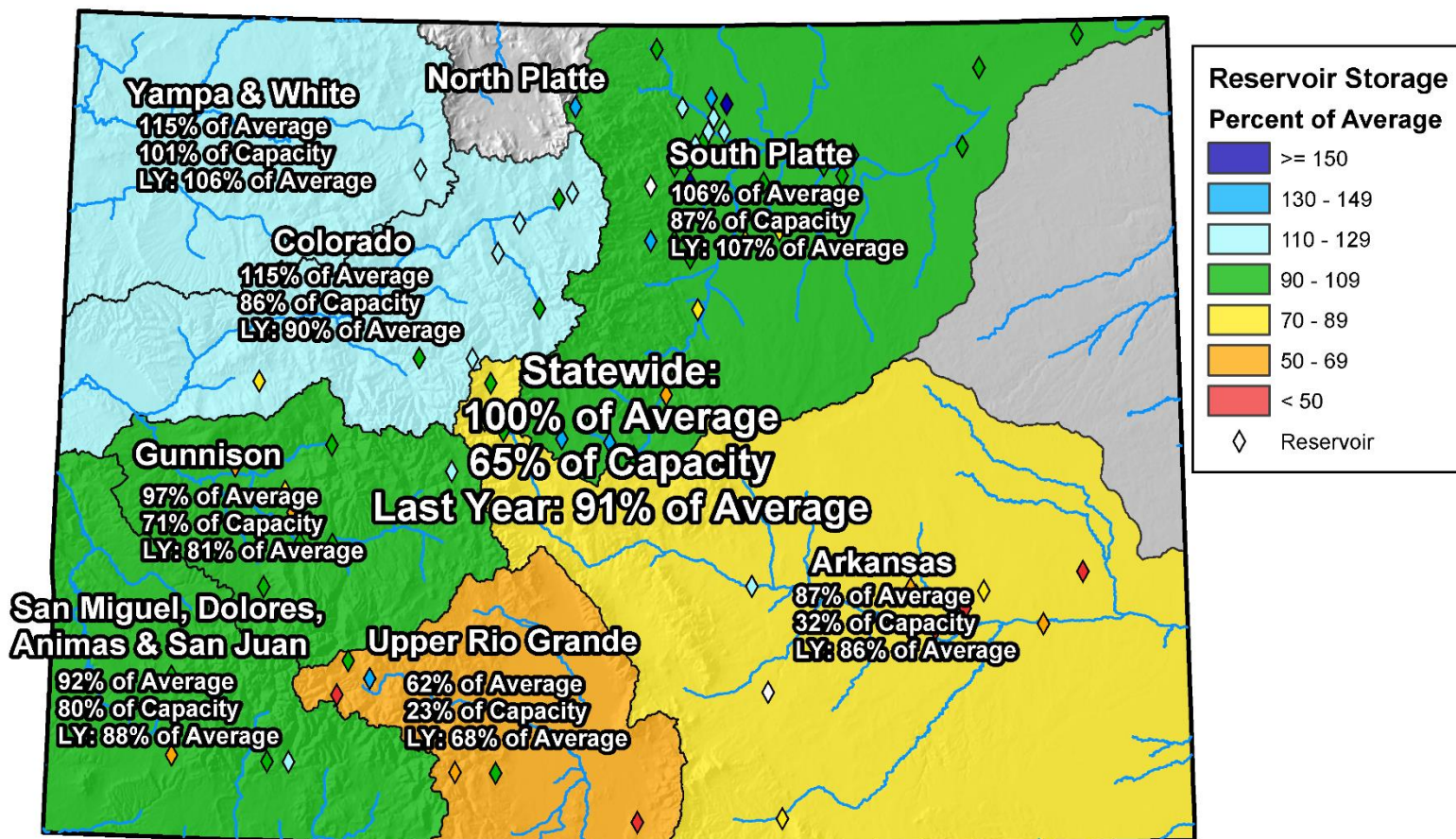


Colorado Streamflow Forecasts Summary June 1, 2020



Colorado Monthly Reservoir Storage Summary

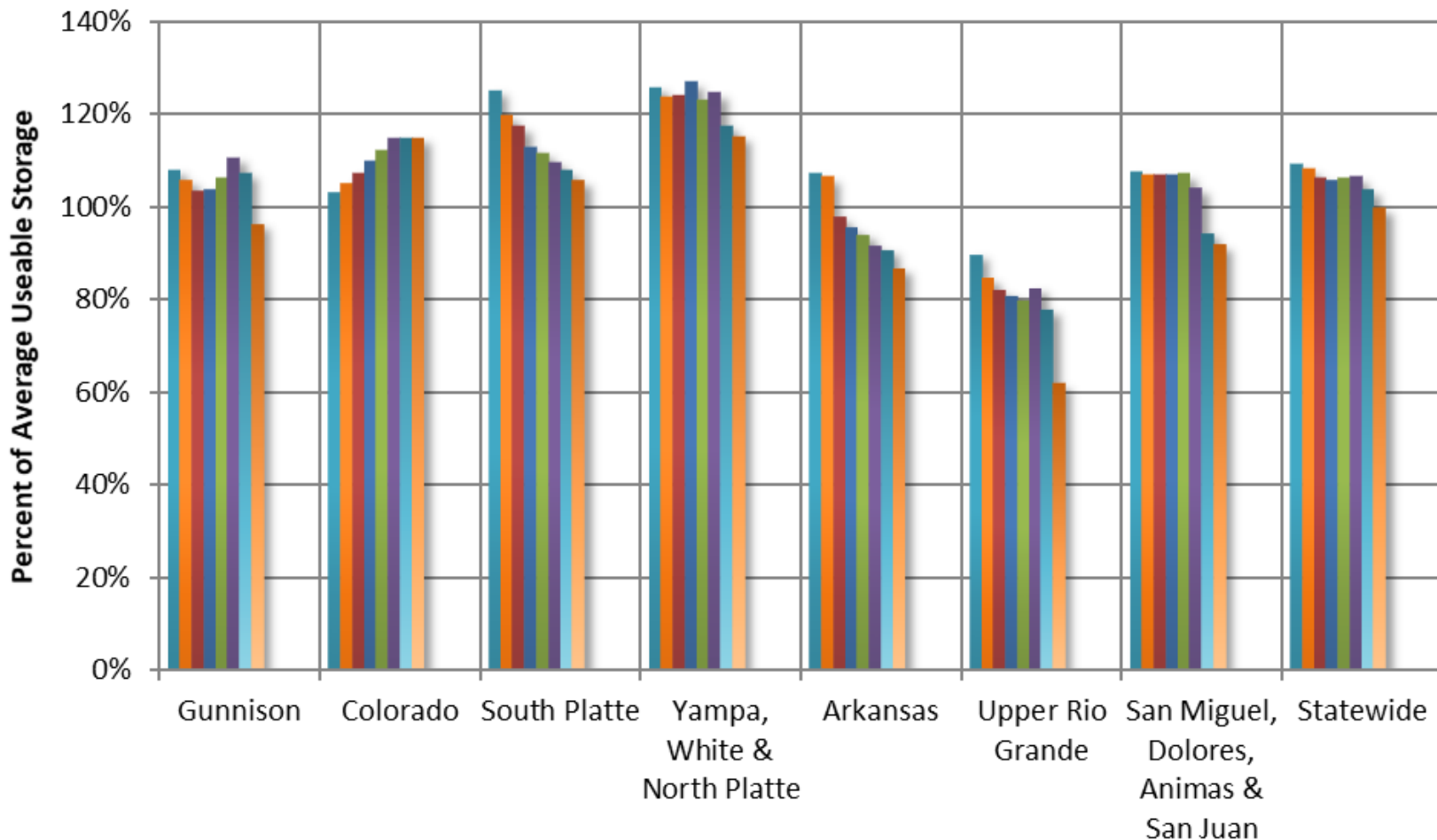
End of May 2020



0 25 50 100 150 200 Miles

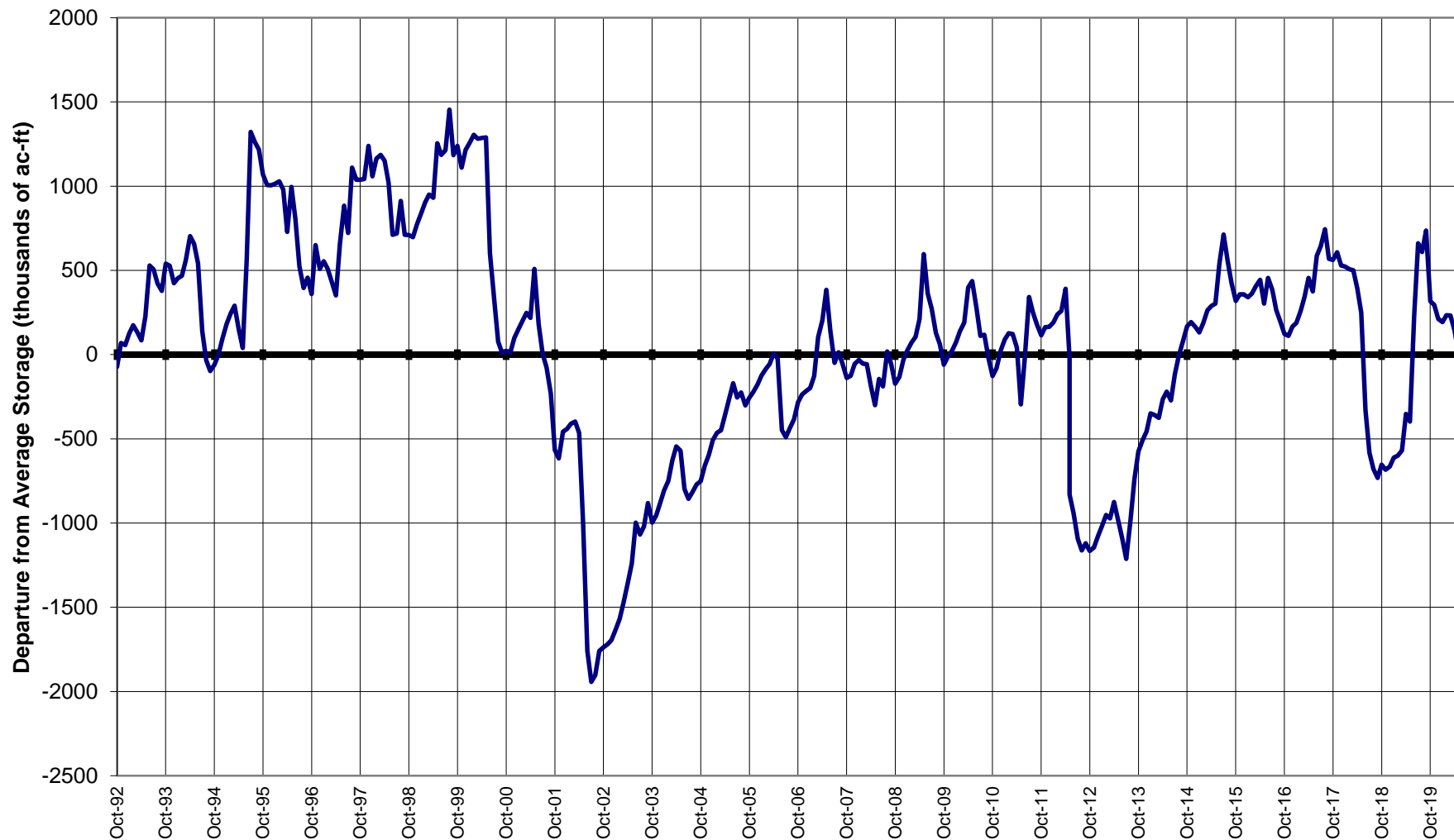
Colorado Reservoir Storage

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 Nrthrn 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



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



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