



United States Department of Agriculture

Colorado Snow Surveys

Water Availability Task Force Meeting

July 23rd, 2020

NRCS Snow Survey and Water Supply Forecasting Program

Brian Domonkos

Hydrologist

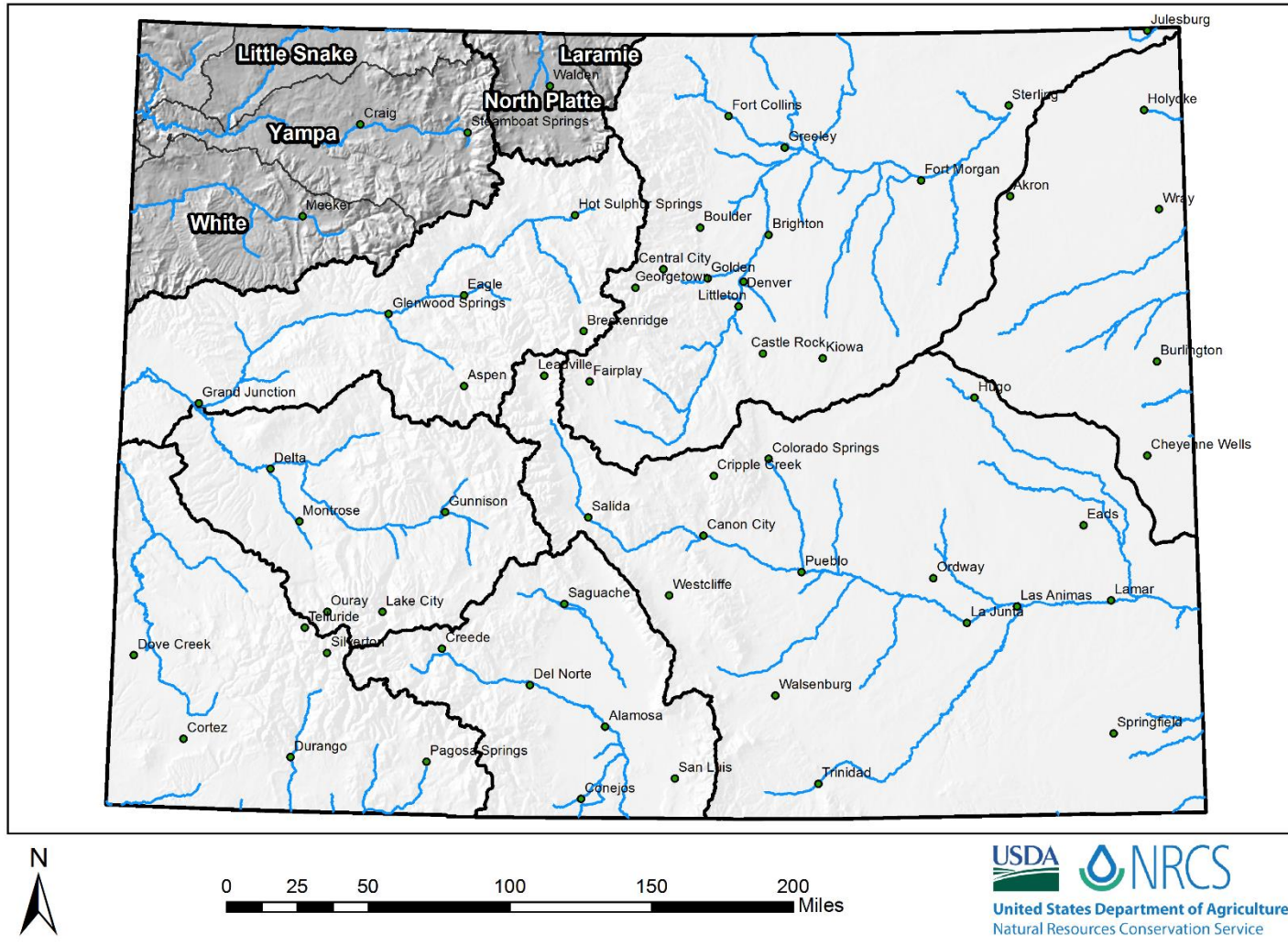
Colorado Snow Survey Supervisor

720-544-2852

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

Major Basin Summary

Yampa, White, and North Platte River Basins





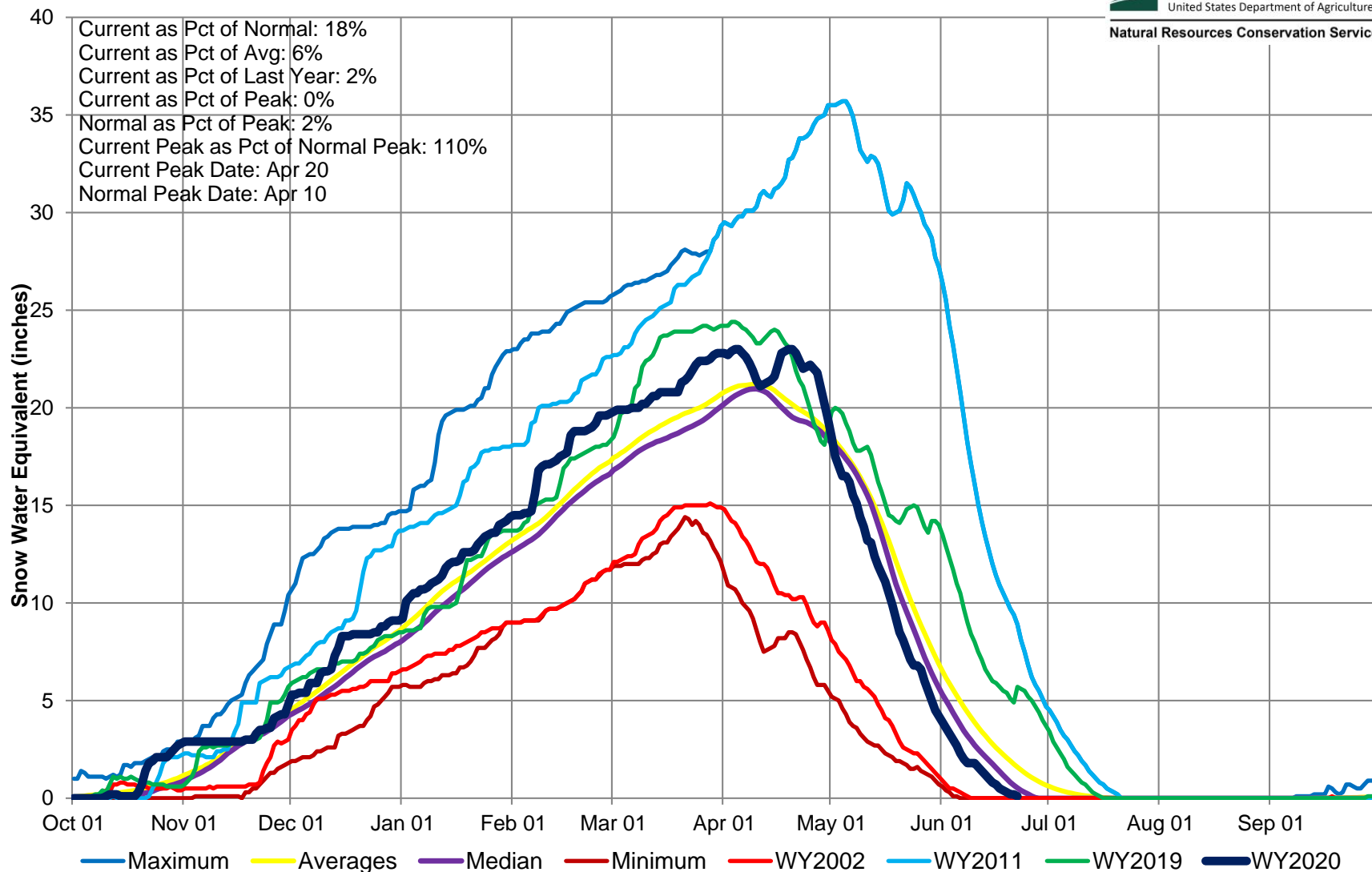
Yampa and White River Basins High/Low Snowpack Summary

Based on Provisional SNOTEL data as of Jun 22, 2020



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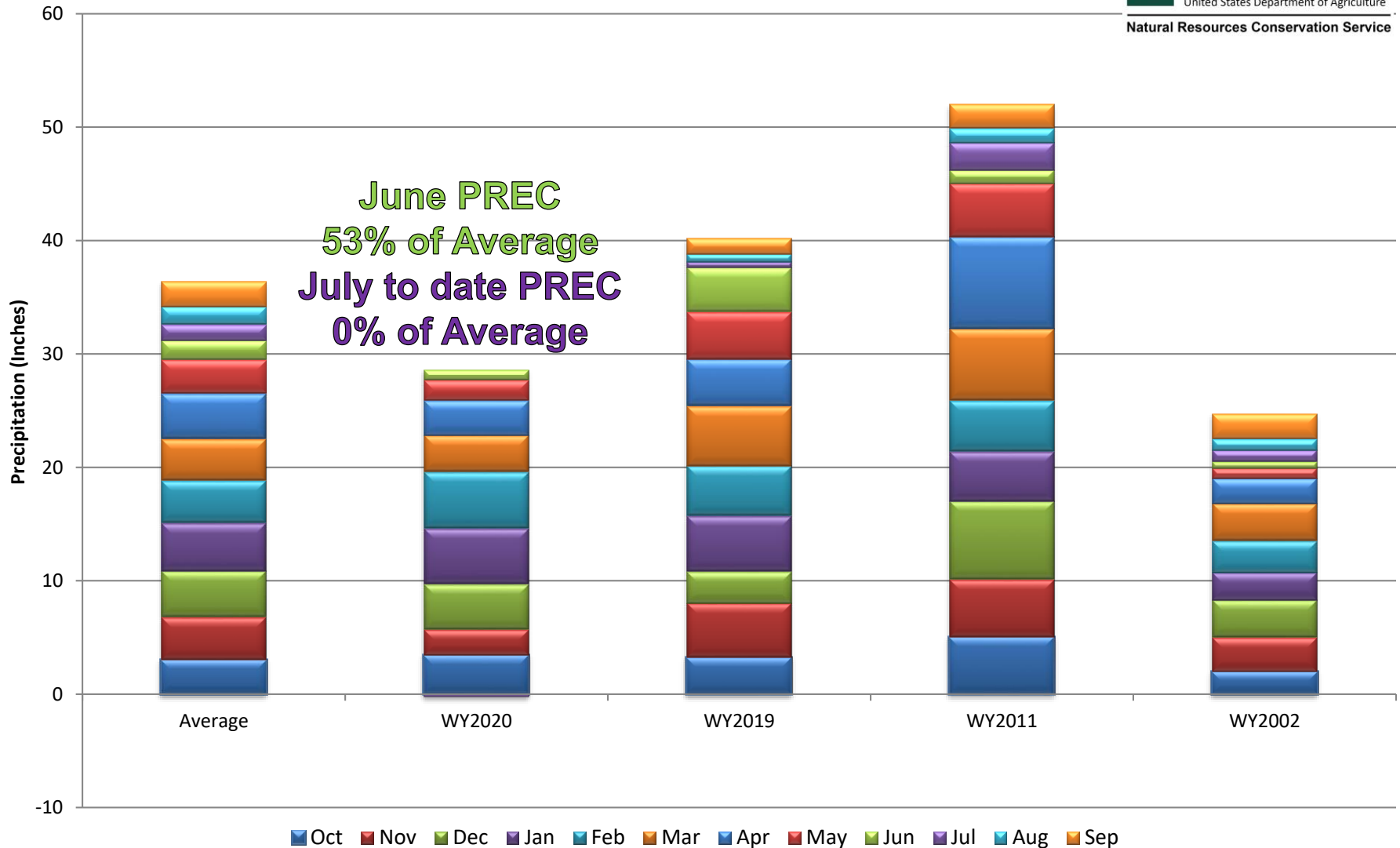
Yampa and White River Basins High/Low Monthly Precipitation Summary

Based on Provisional SNOTEL data as of Jul 22, 2020

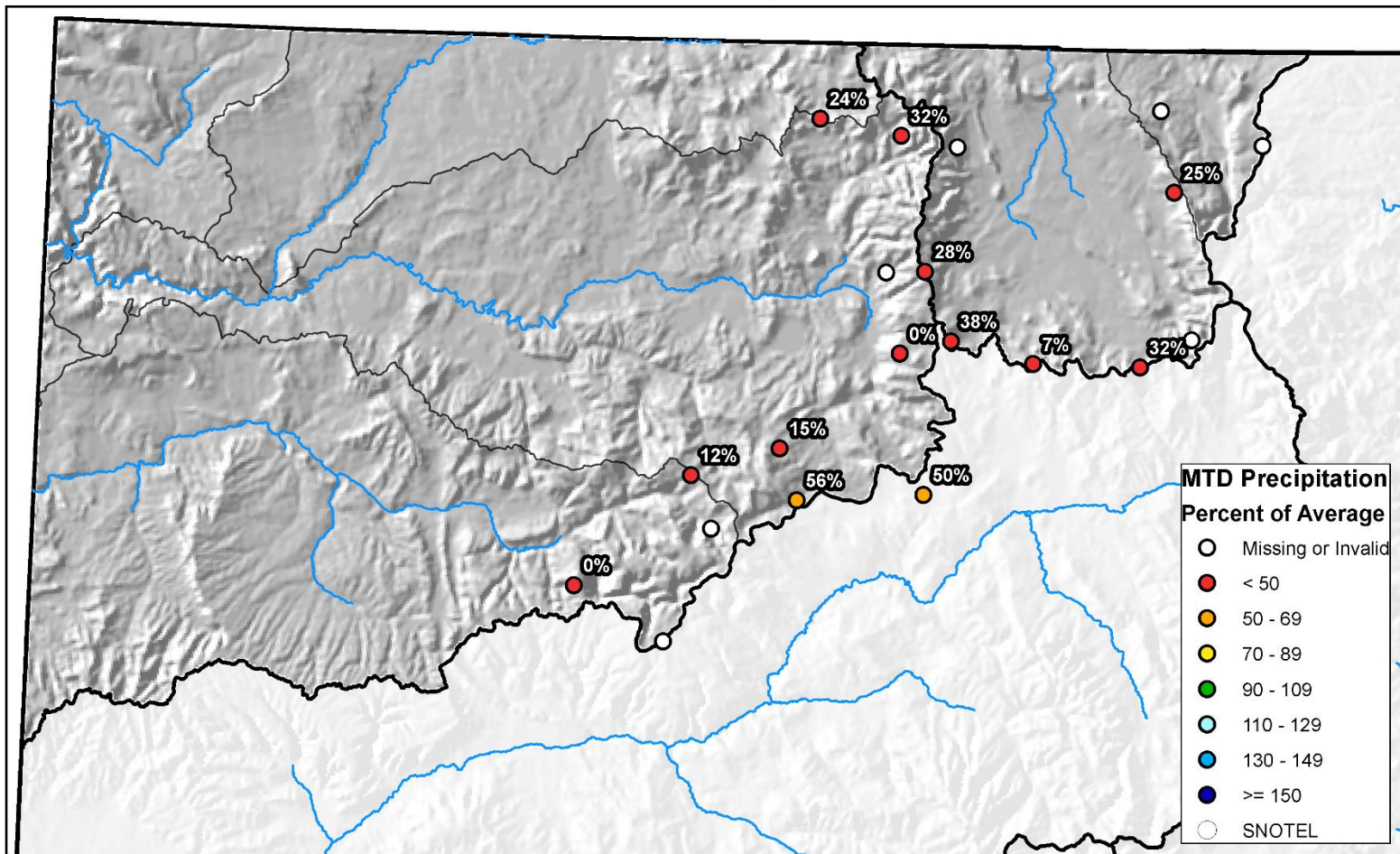


United States Department of Agriculture

Natural Resources Conservation Service



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

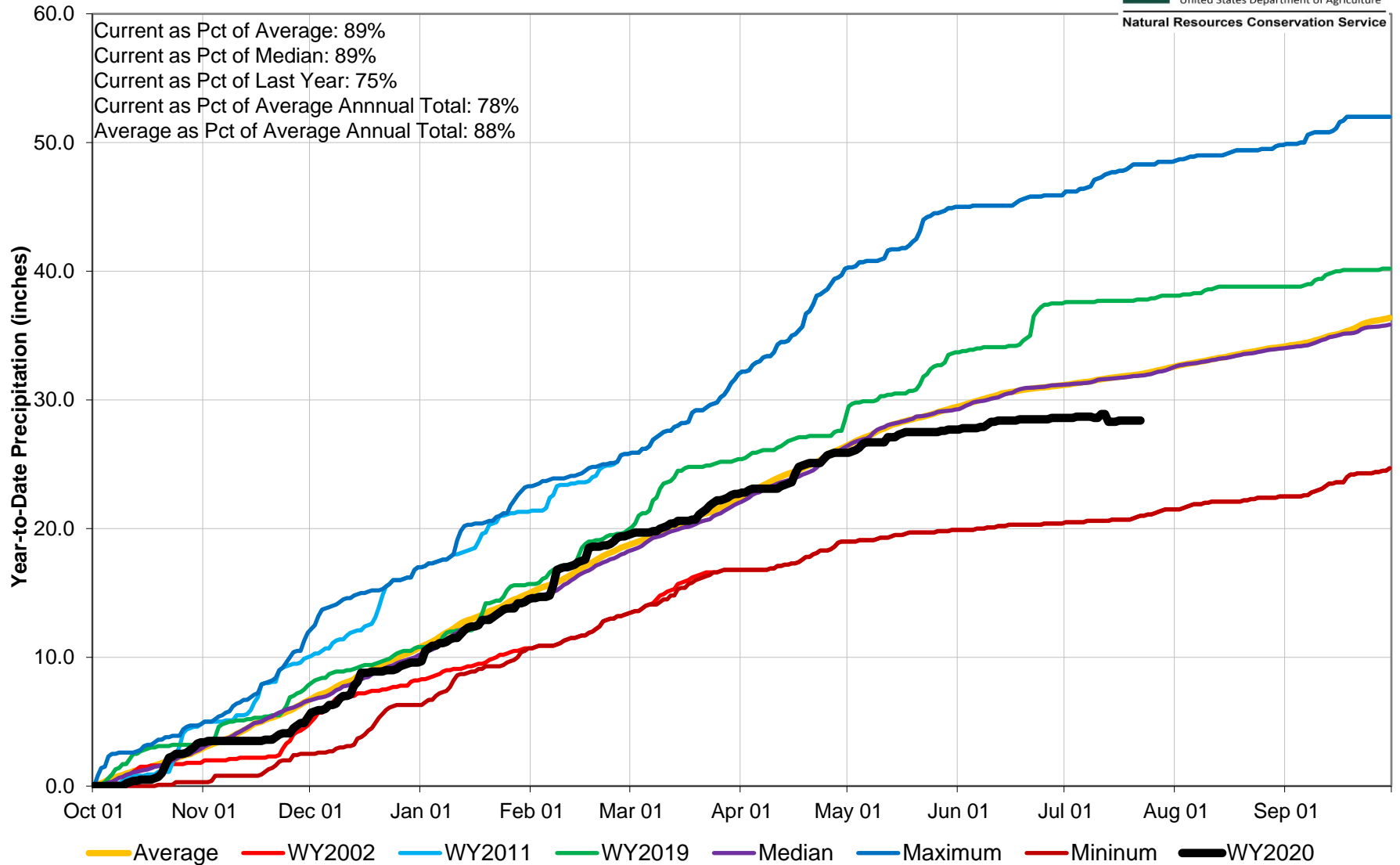


0 10 20 40 60 80 Miles



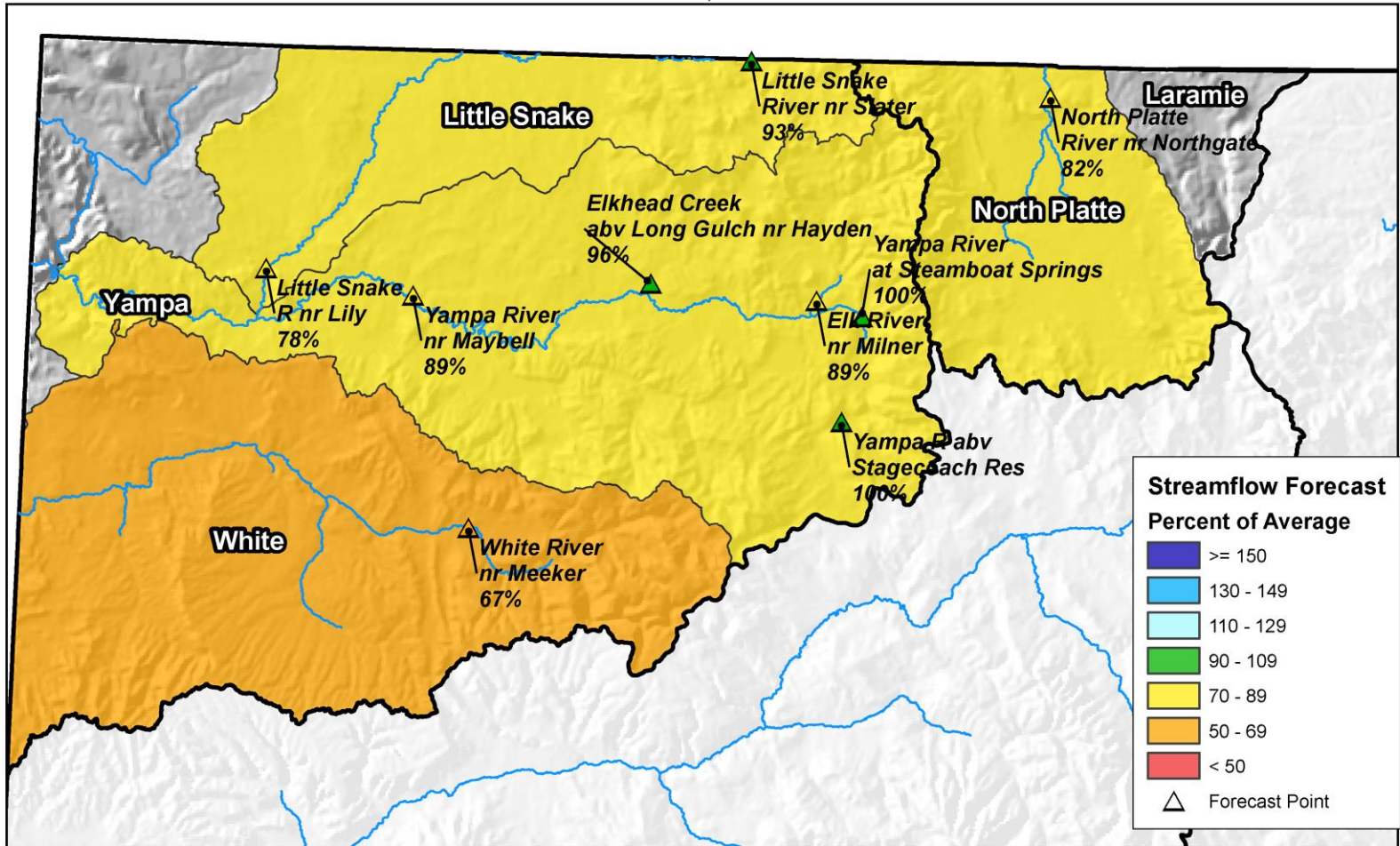
Yampa and White River Basins High/Low Year-to-Date Precipitation Summary

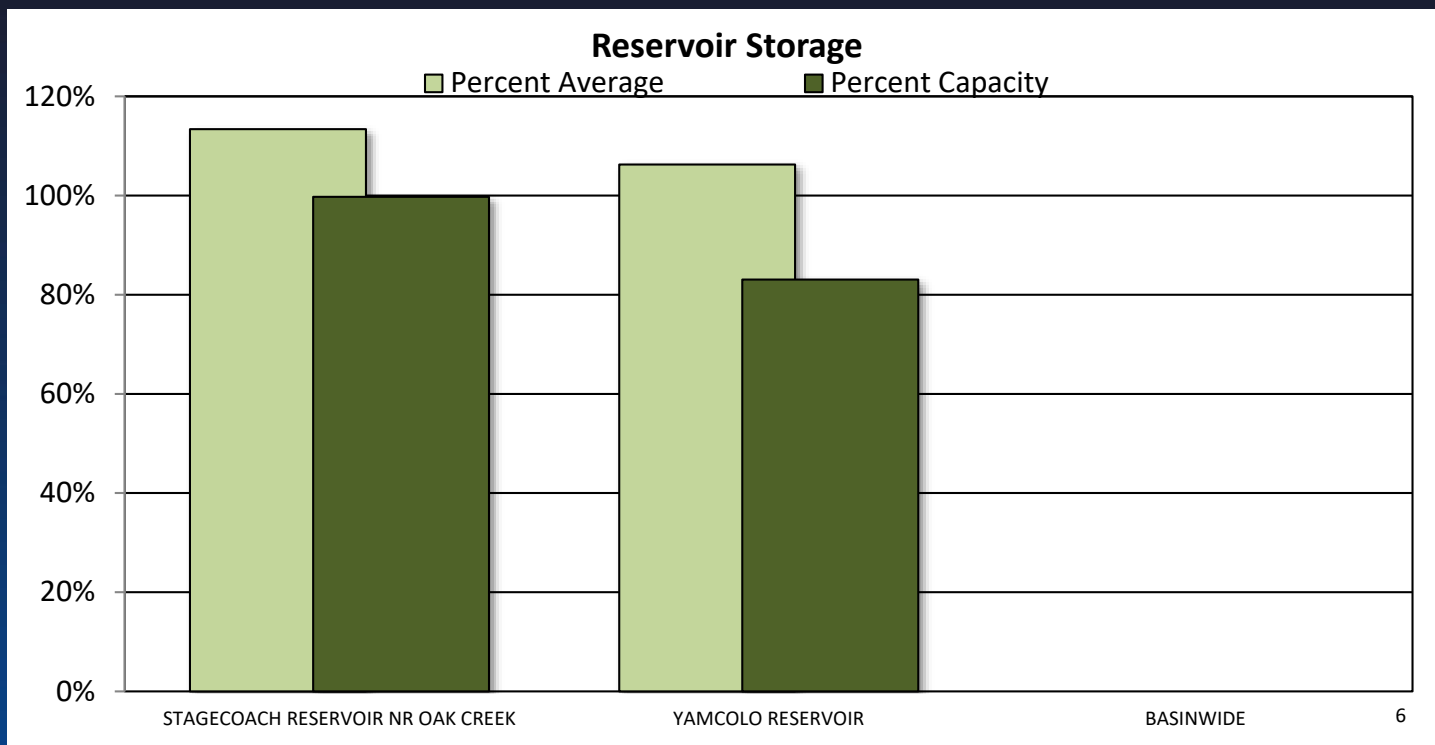
Based on Provisional SNOTEL data as of Jul 22, 2020



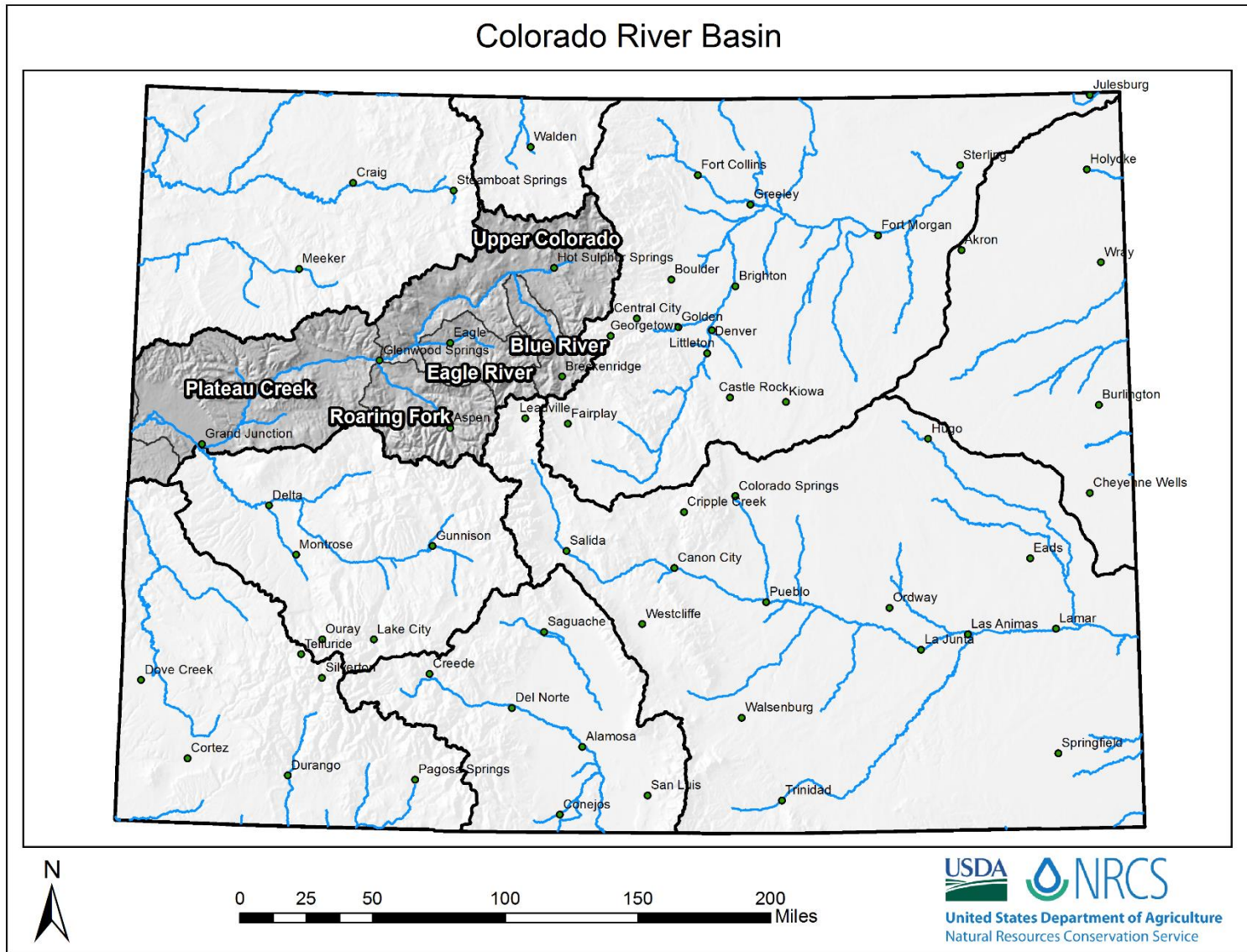
Yampa, White, and North Platte River Basins Streamflow Forecast Summary

June 1, 2020





Major Basin Summary



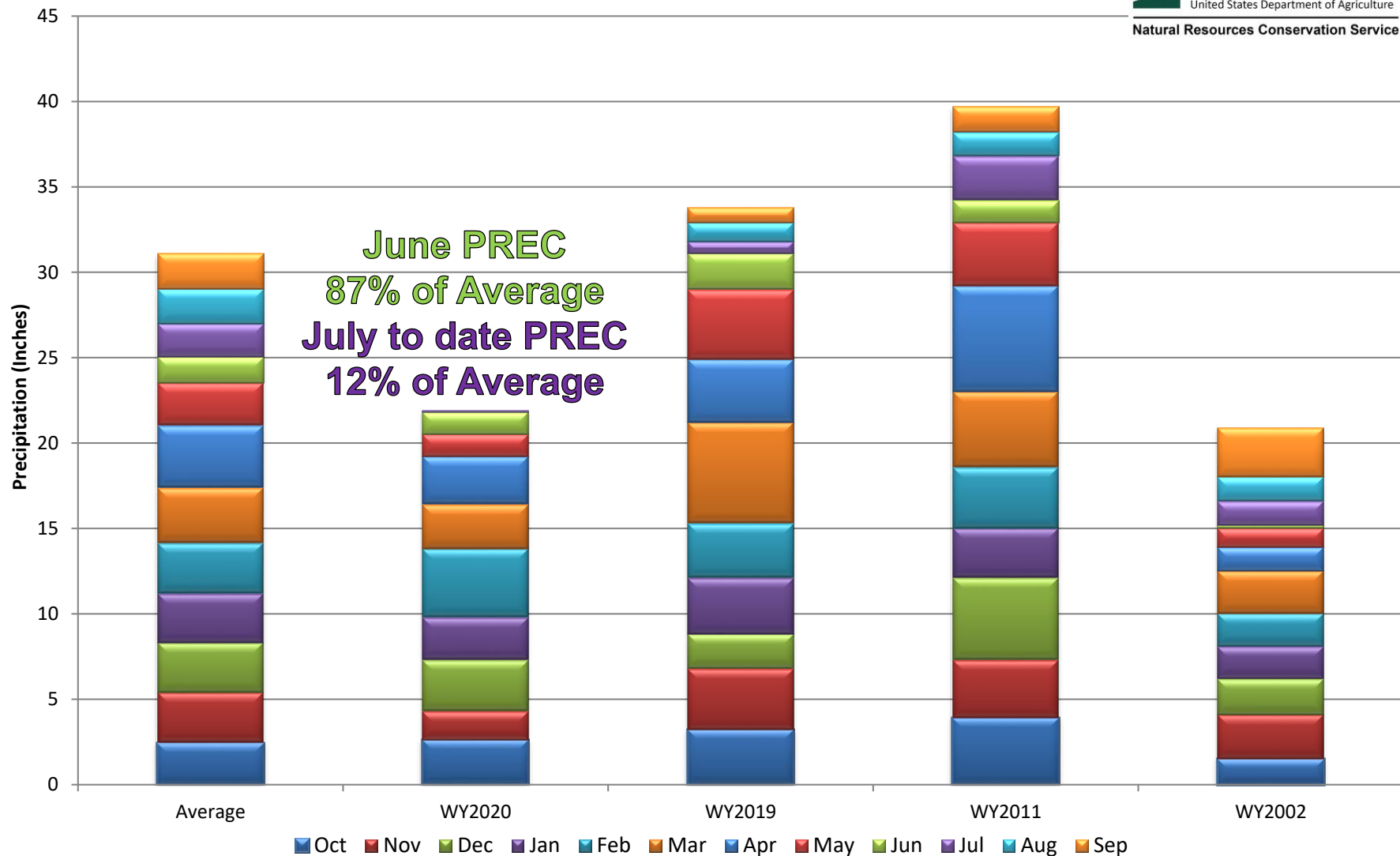
Upper Colorado River Basin High/Low Monthly Precipitation Summary

Based on Provisional SNOTEL data as of Jul 22, 2020



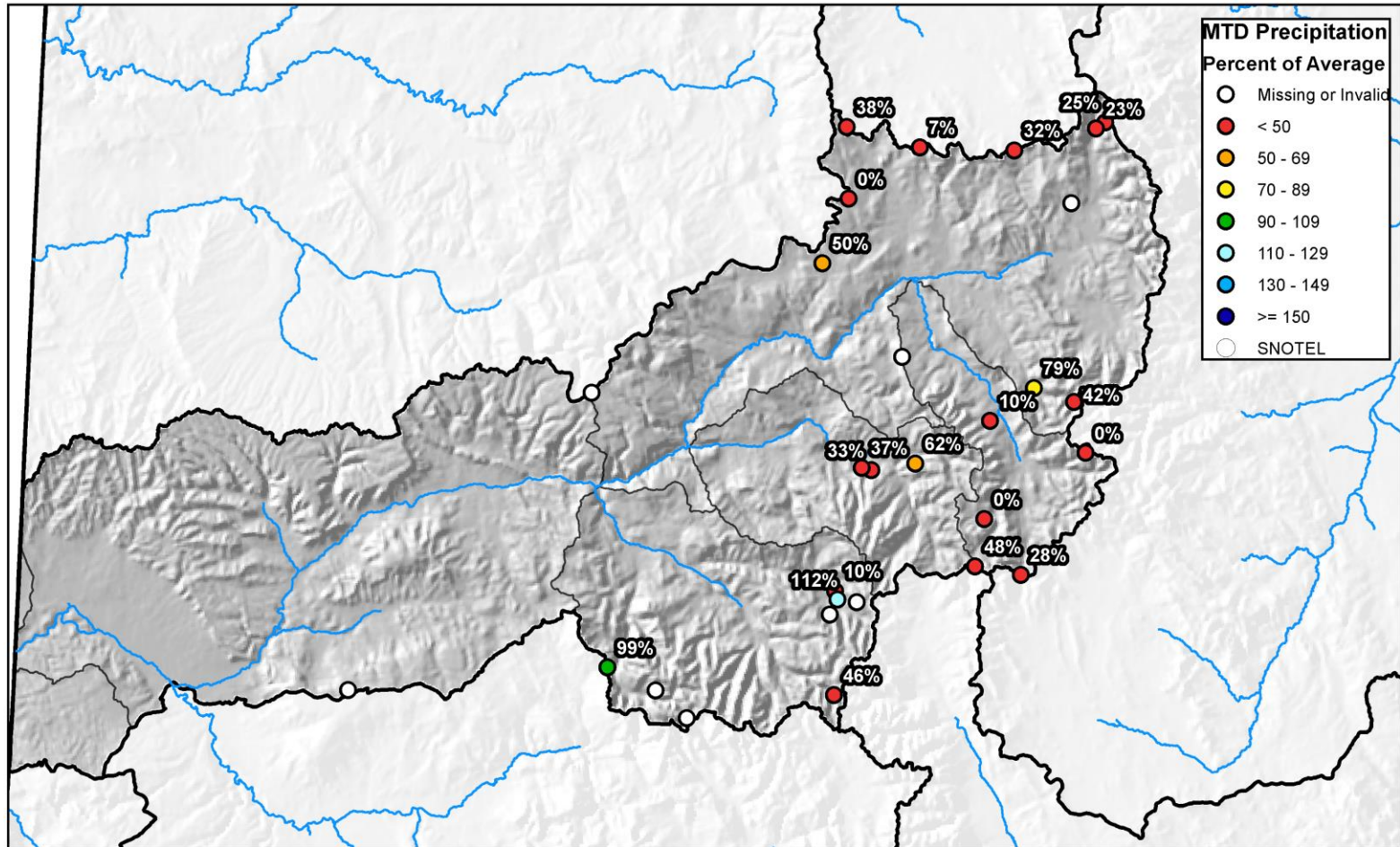
United States Department of Agriculture

Natural Resources Conservation Service



Upper Colorado River Basin Month to Date Precipitation Summary

Current as of Jul 22, 2020





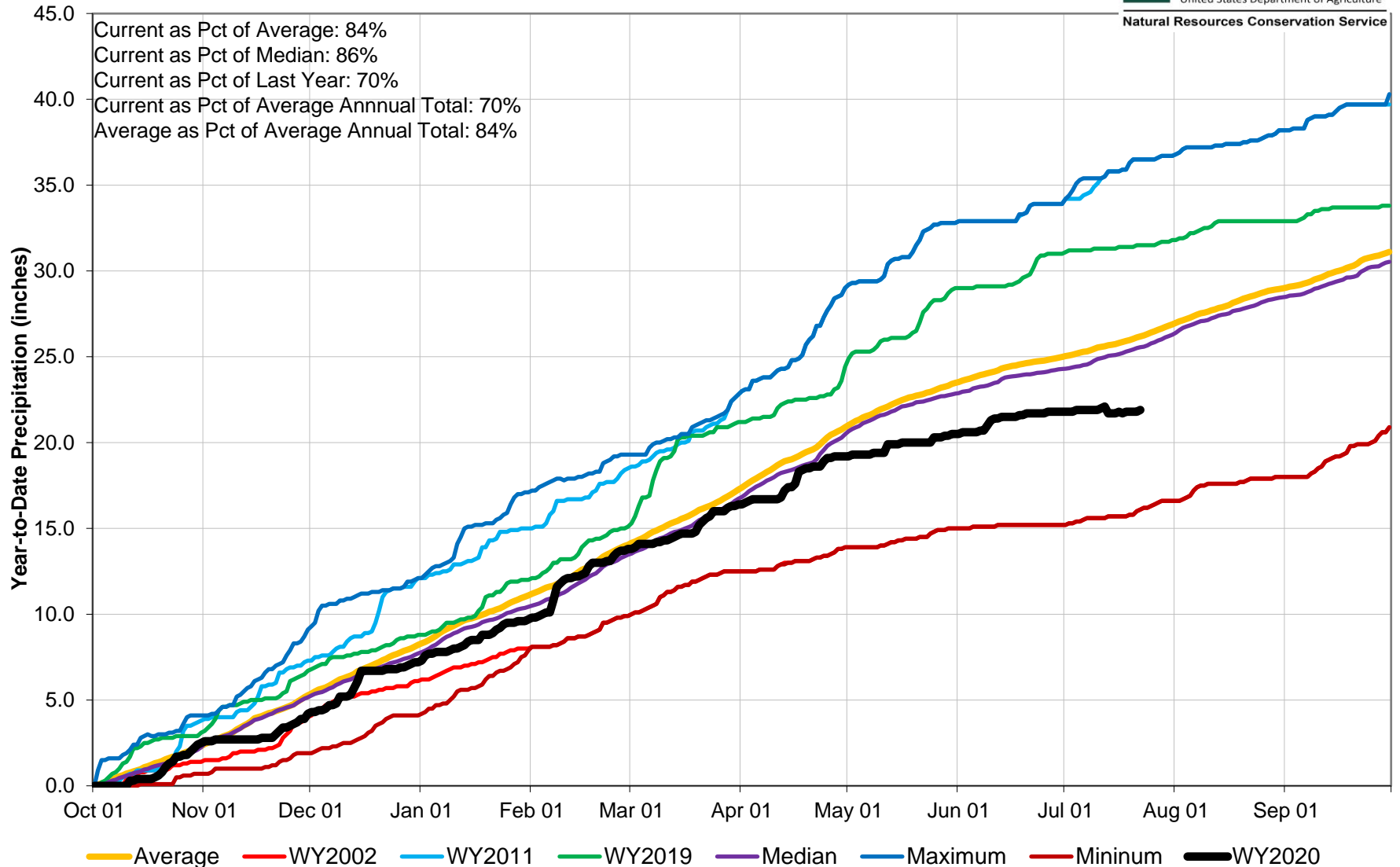
Upper Colorado River Basin High/Low Year-to-Date Precipitation Summary

Based on Provisional SNOTEL data as of Jul 22, 2020



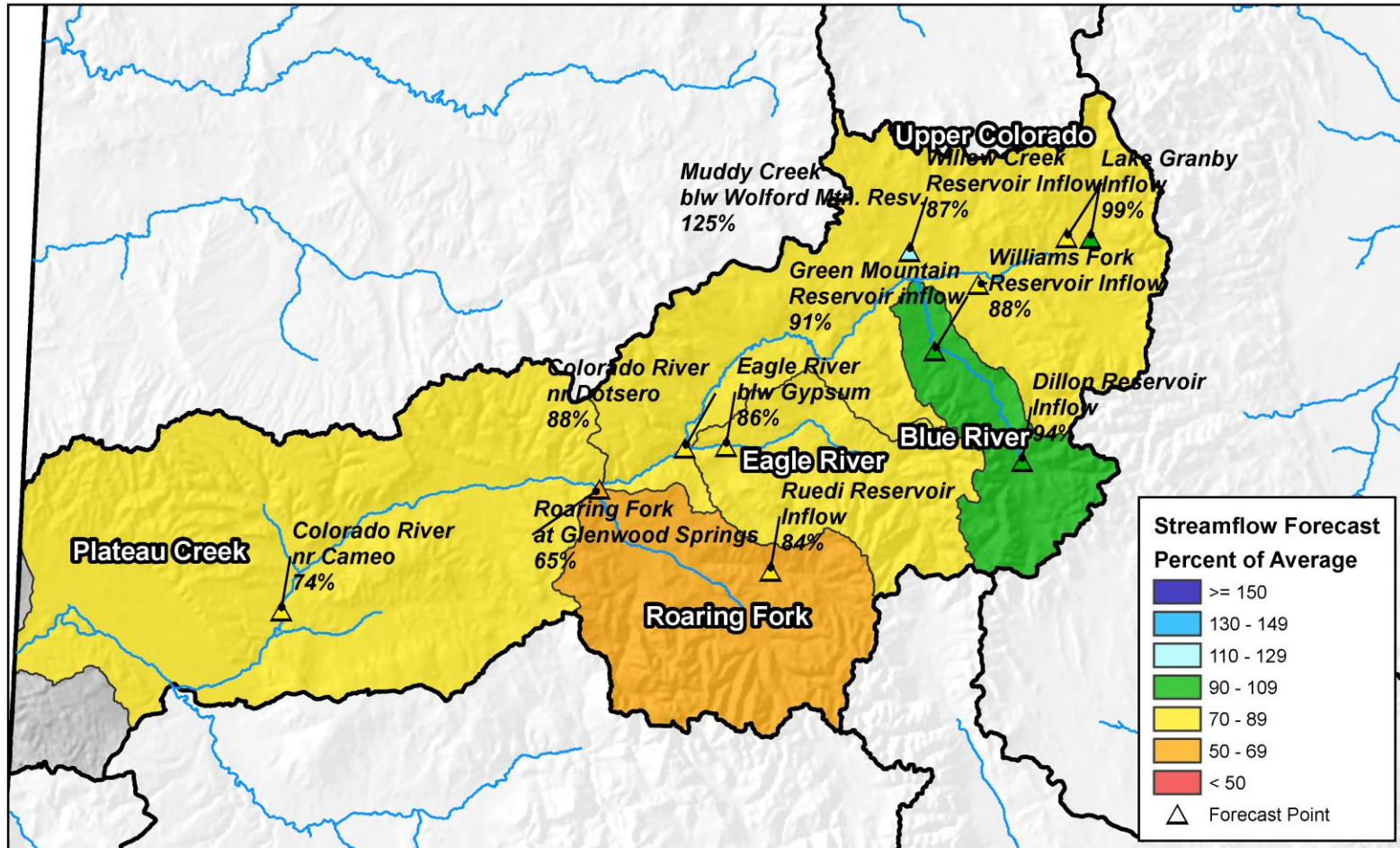
United States Department of Agriculture

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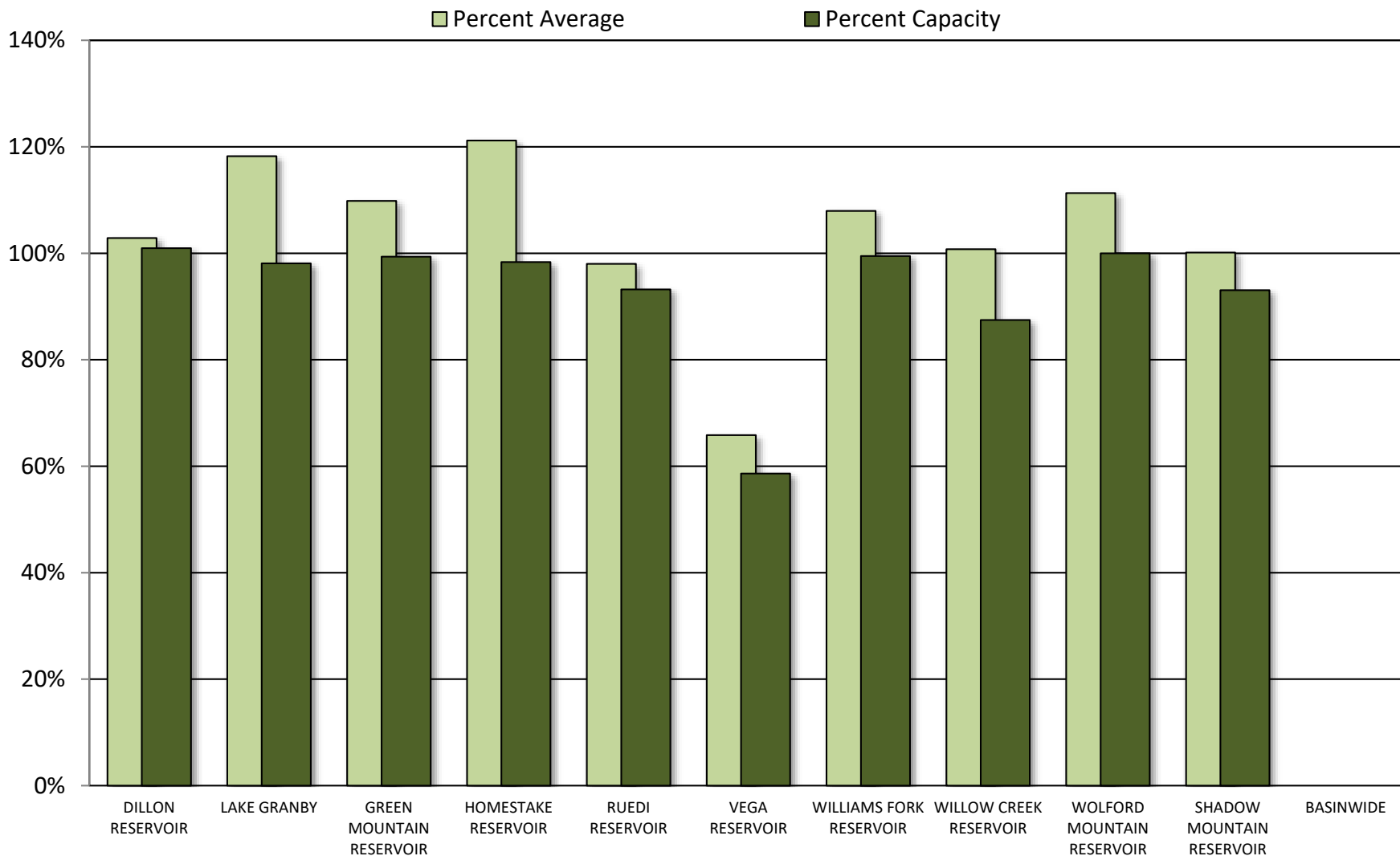
Upper Colorado River Basin Streamflow Forecast Summary

June 1, 2020

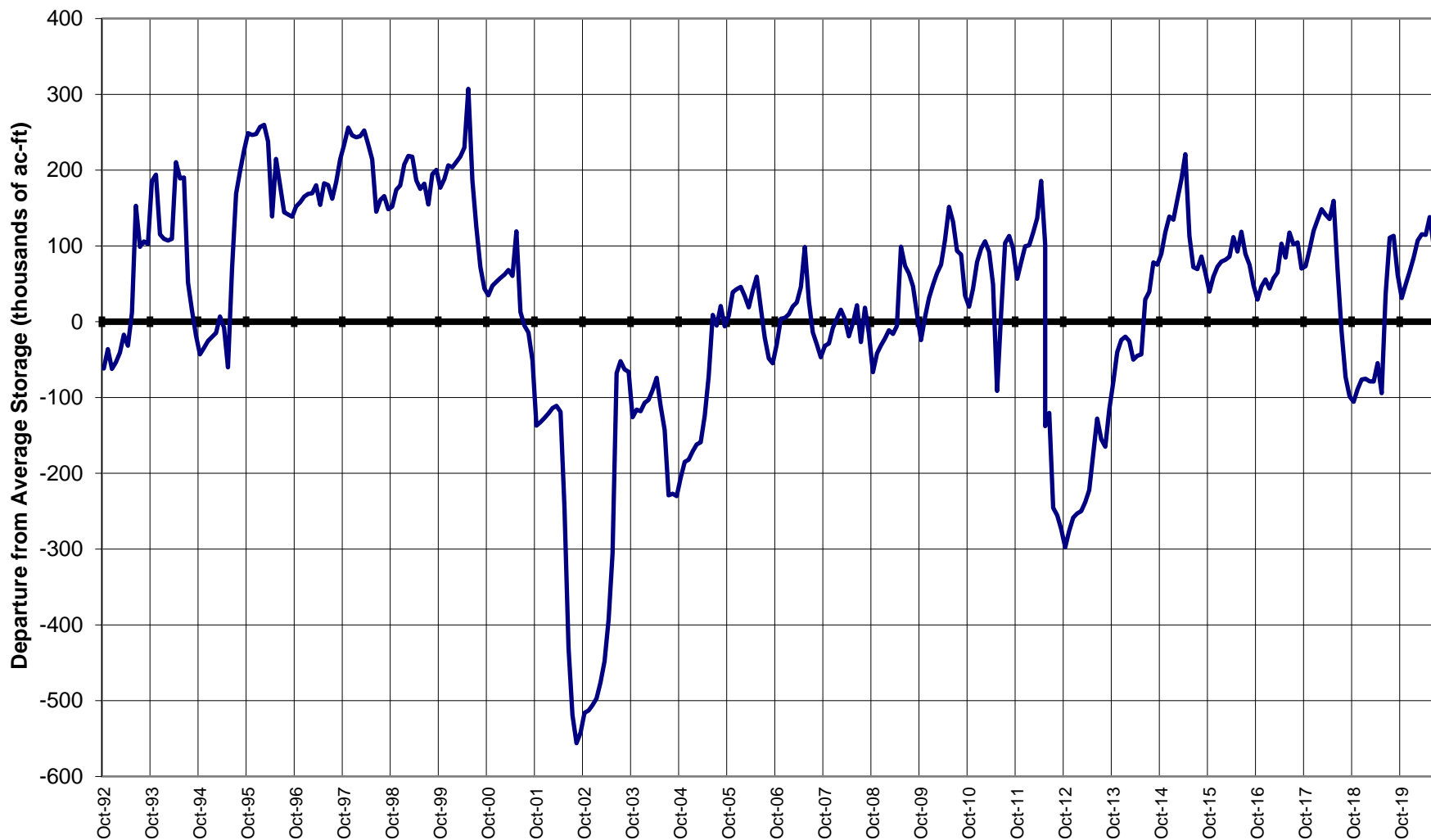


0 10 20 40 60 80 Miles

Reservoir Storage

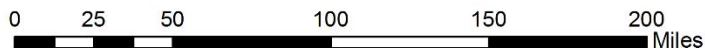
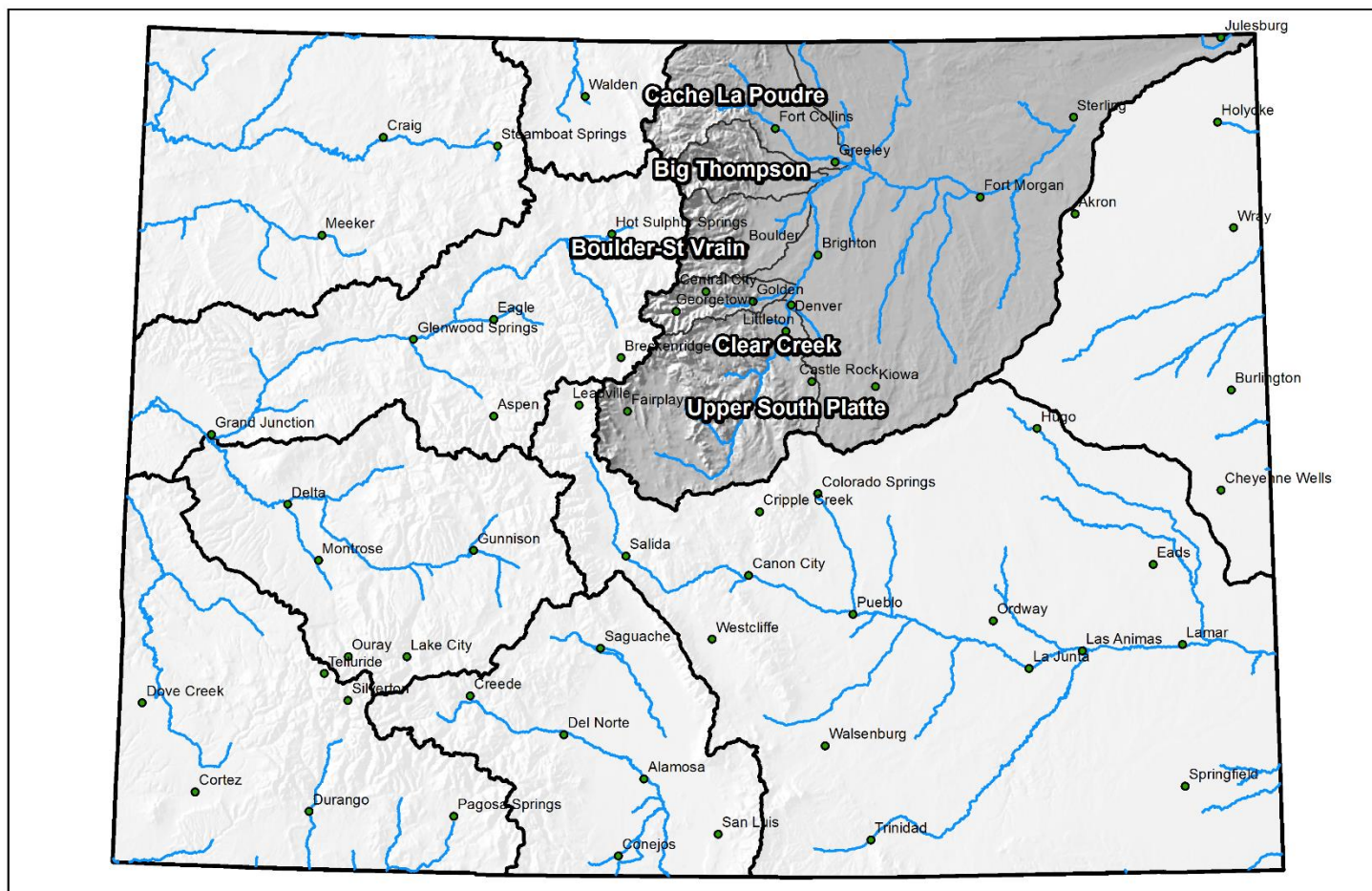


COLORADO RIVER BASIN Reservoir Storage Departure from Average



Major Basin Summary

South Platte River Basin





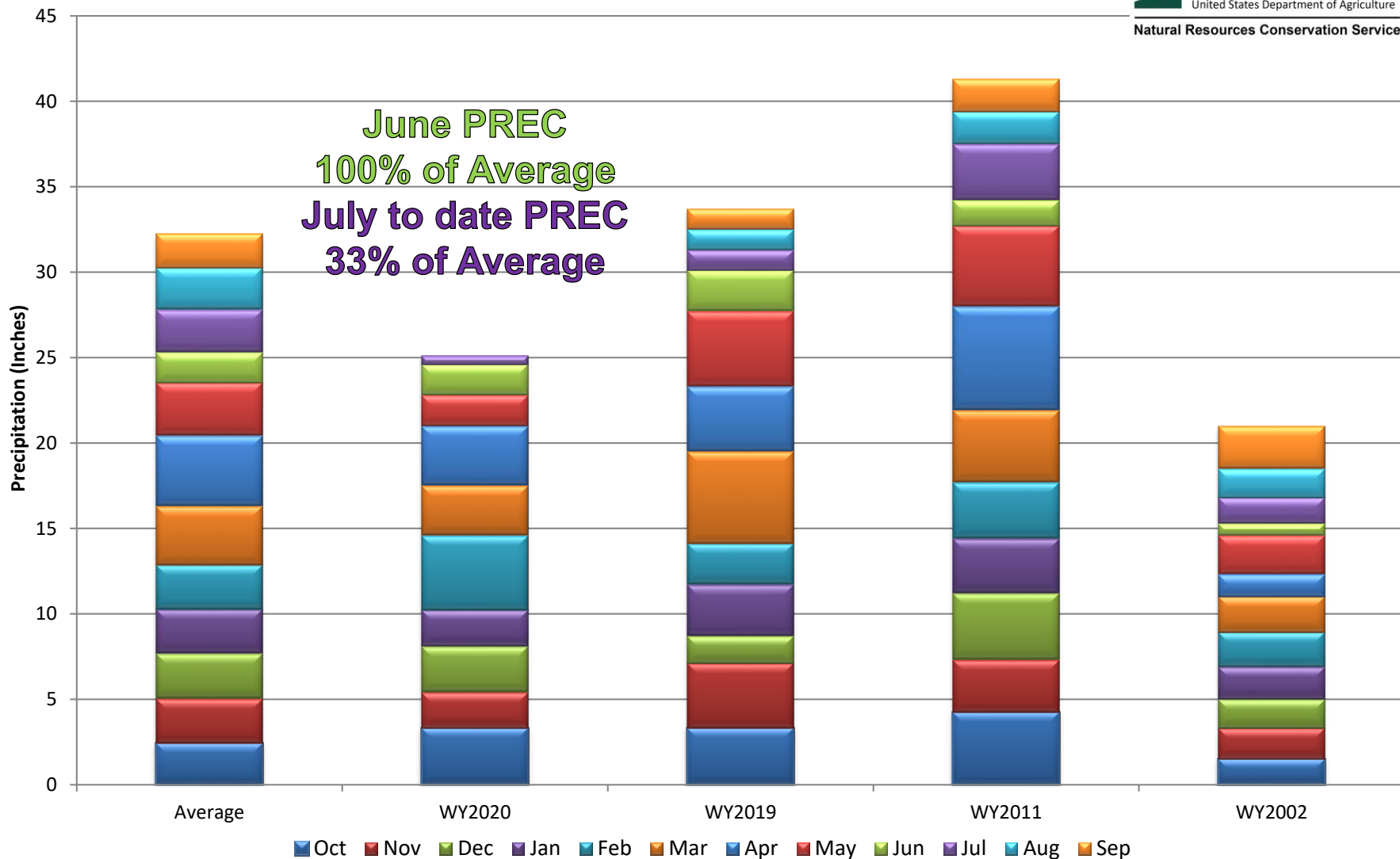
South Platte River Basin High/Low Monthly Precipitation Summary

Based on Provisional SNOTEL data as of Jul 22, 2020



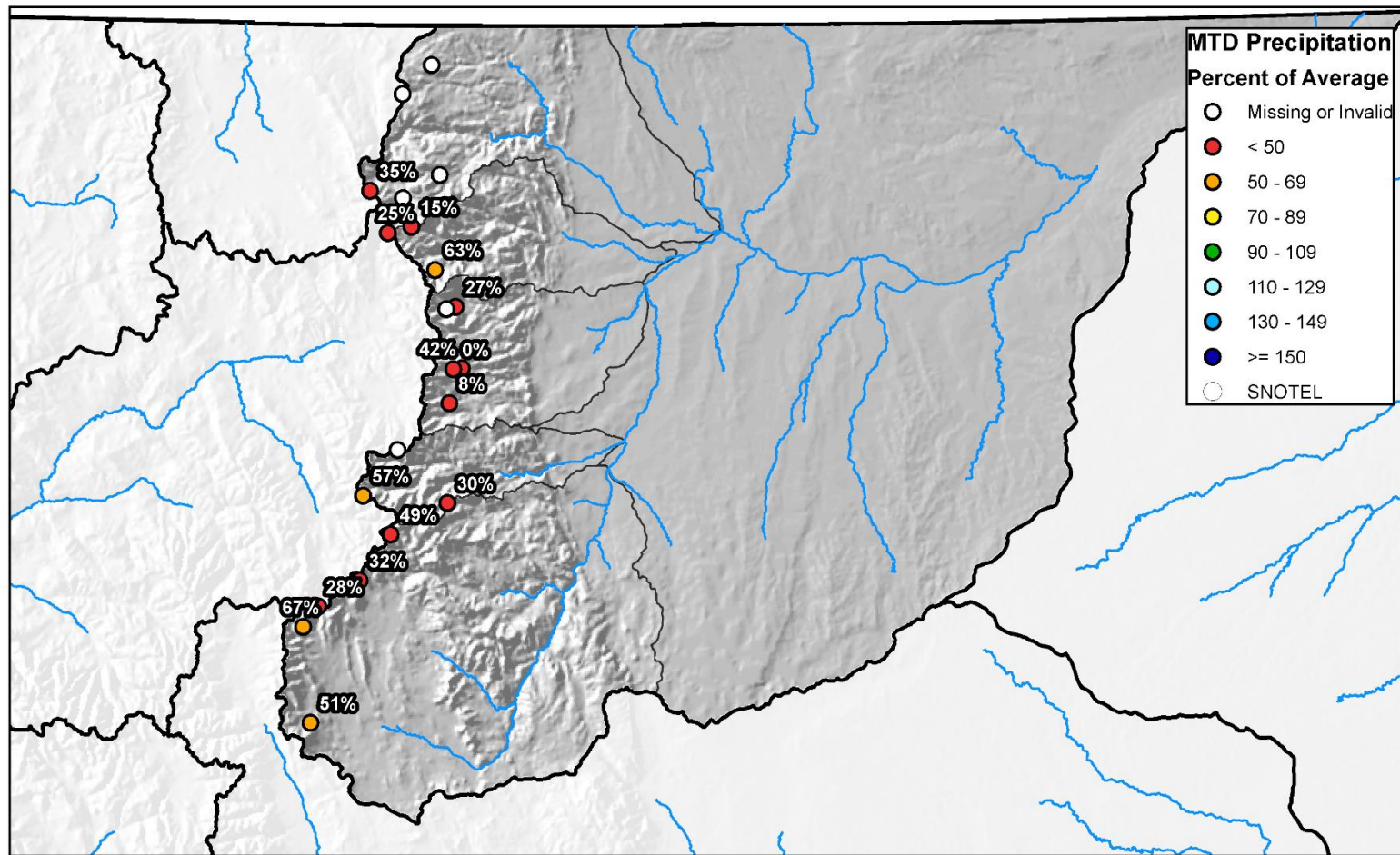
United States Department of Agriculture

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South Platte River Basin Month to Date Precipitation Summary

Current as of Jul 22, 2020

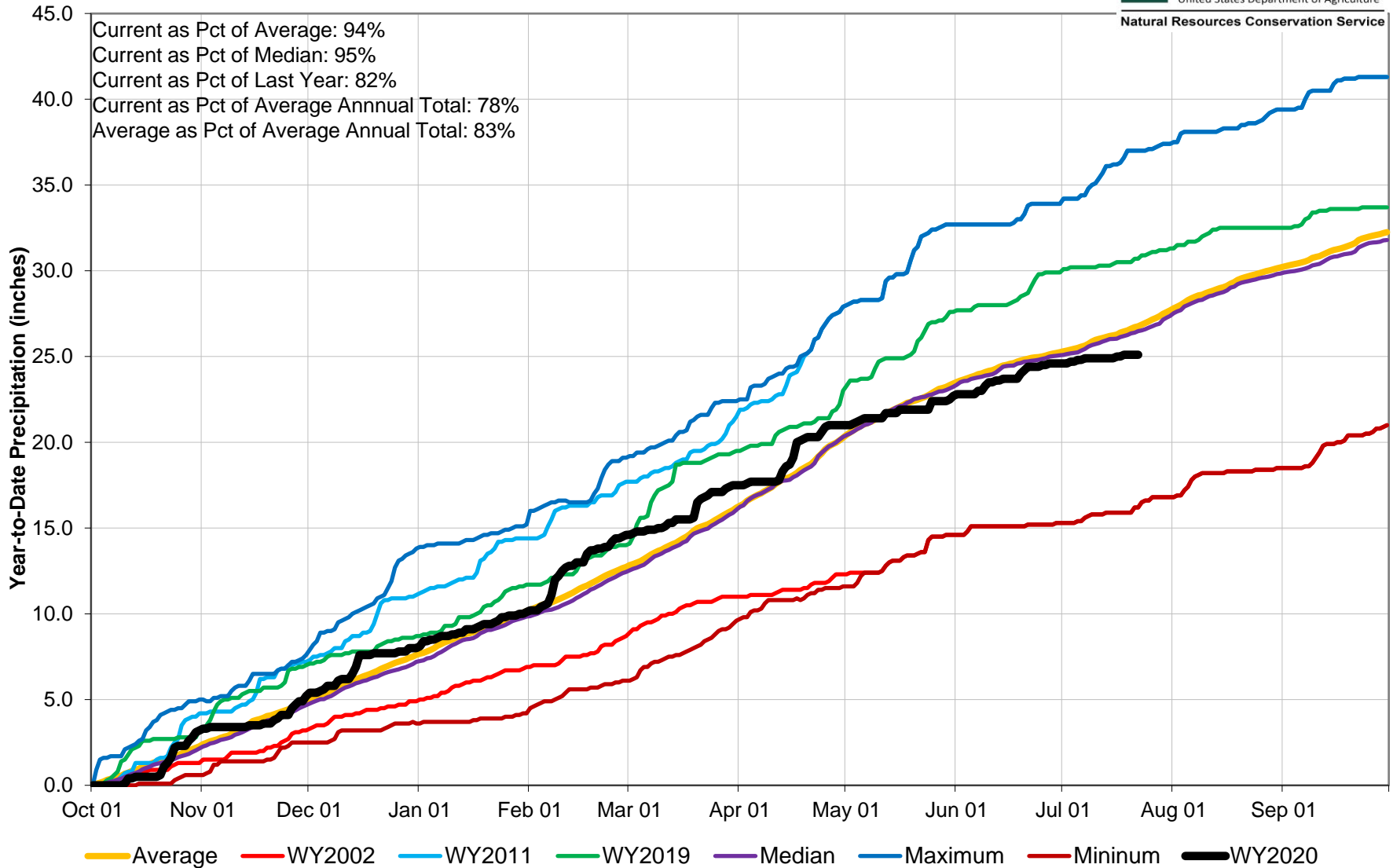


0 10 20 40 60 80 Miles



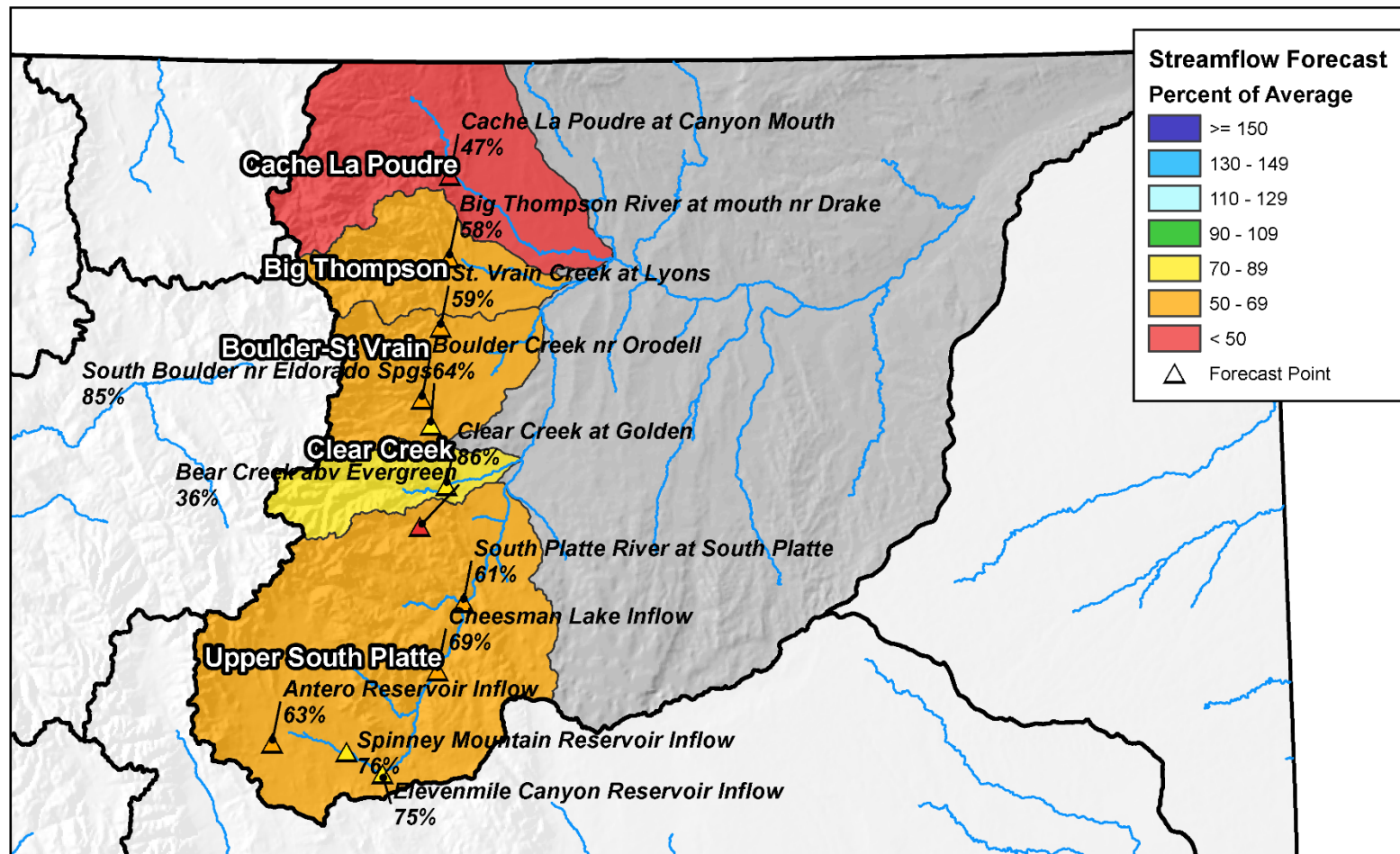
South Platte River Basin High/Low Year-to-Date Precipitation Summary

Based on Provisional SNOTEL data as of Jul 22, 2020



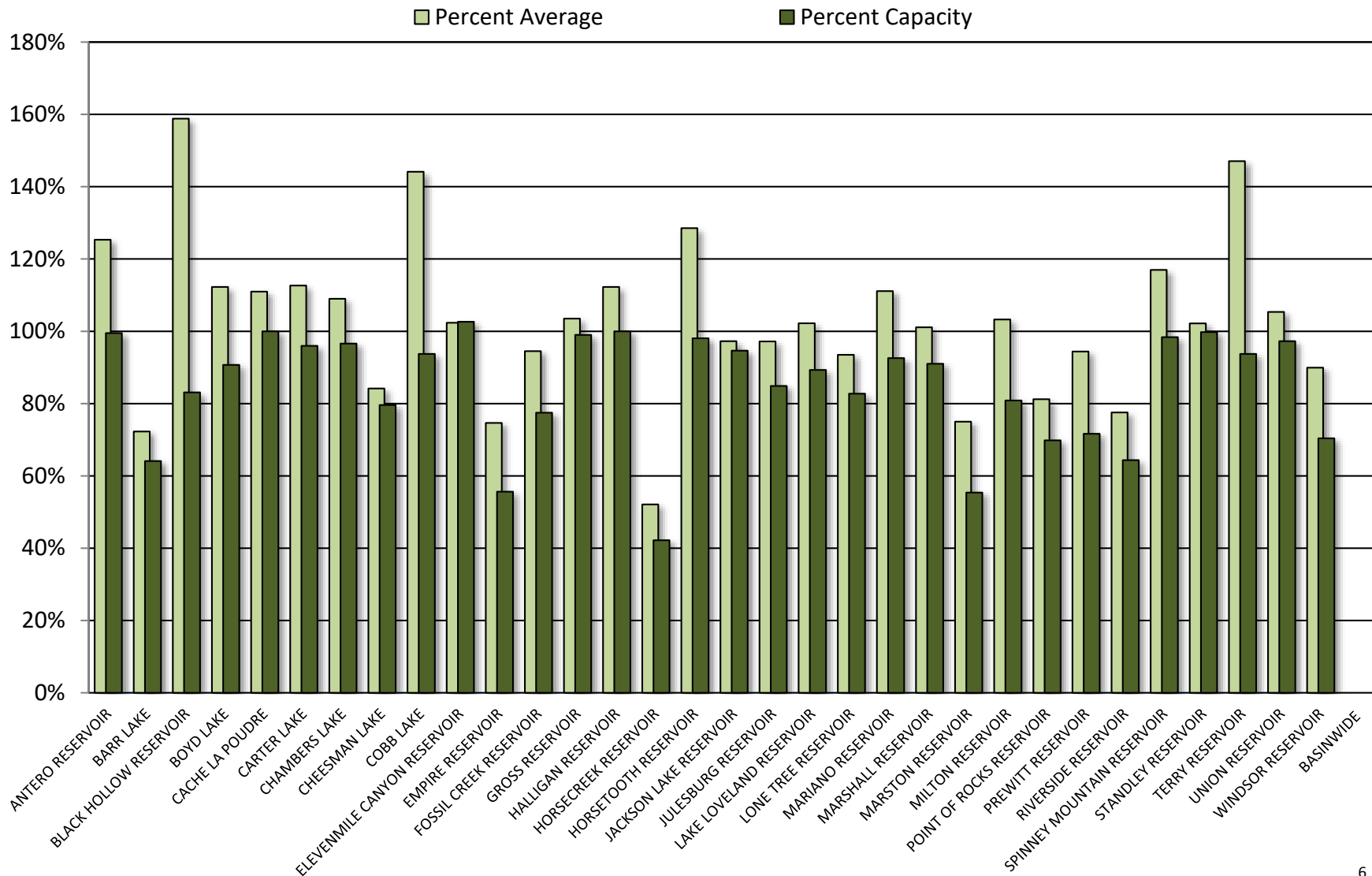
South Platte River Basin Streamflow Forecast Summary

June 1, 2020

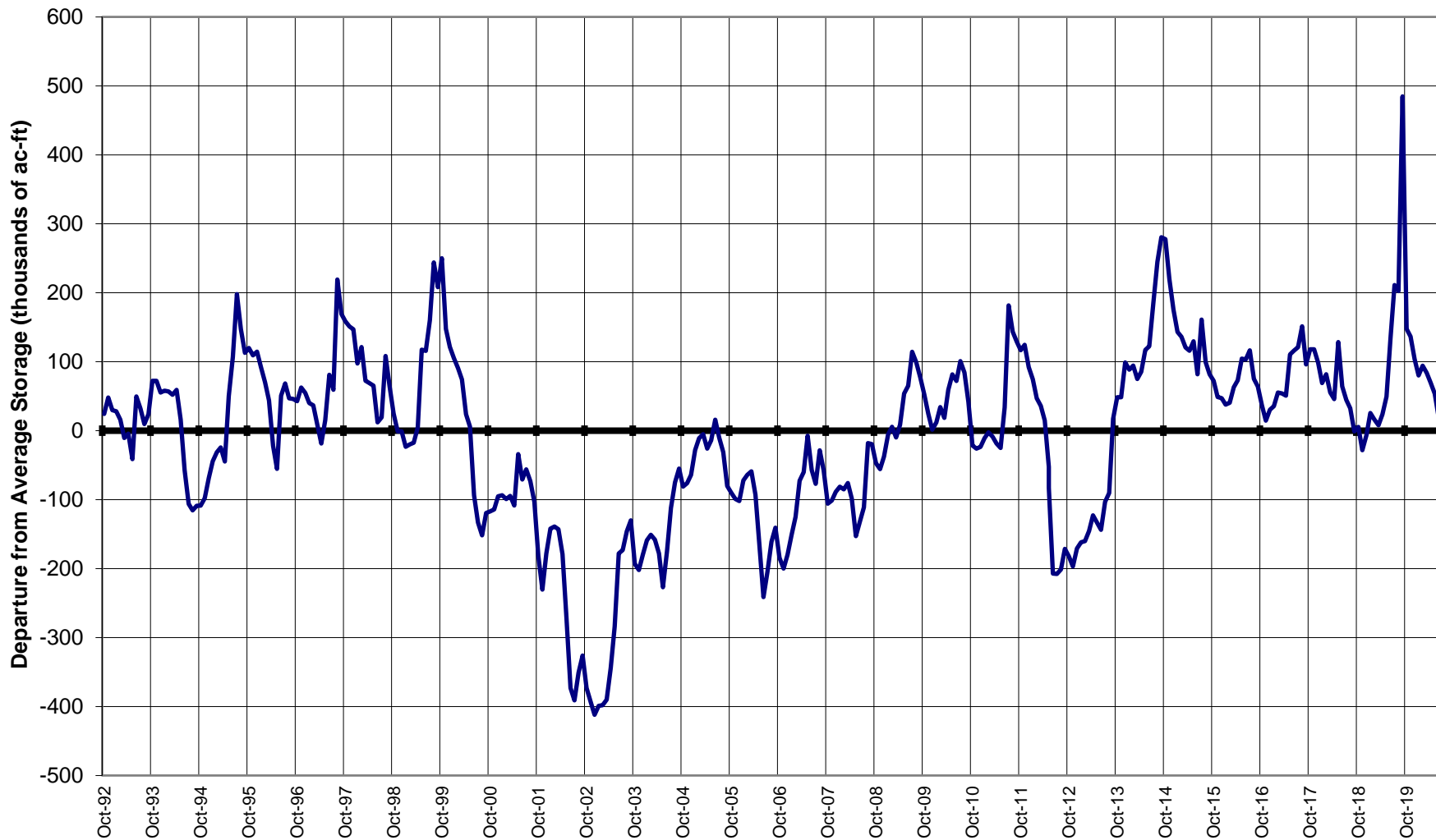


0 12.5 25 50 75 100 Miles

Reservoir Storage

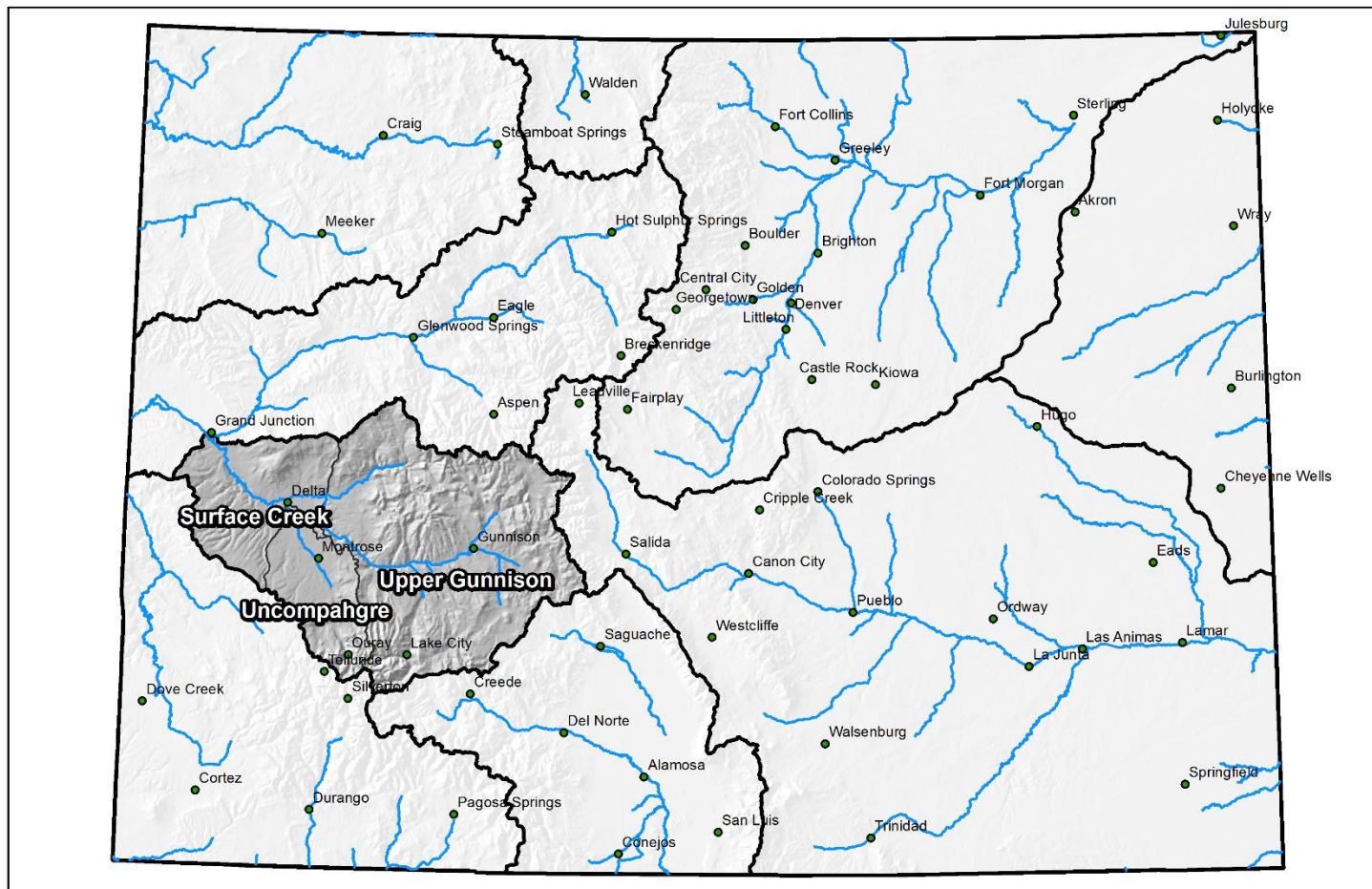


SOUTH PLATTE RIVER BASIN Reservoir Storage Departure from Average



Major Basin Summary

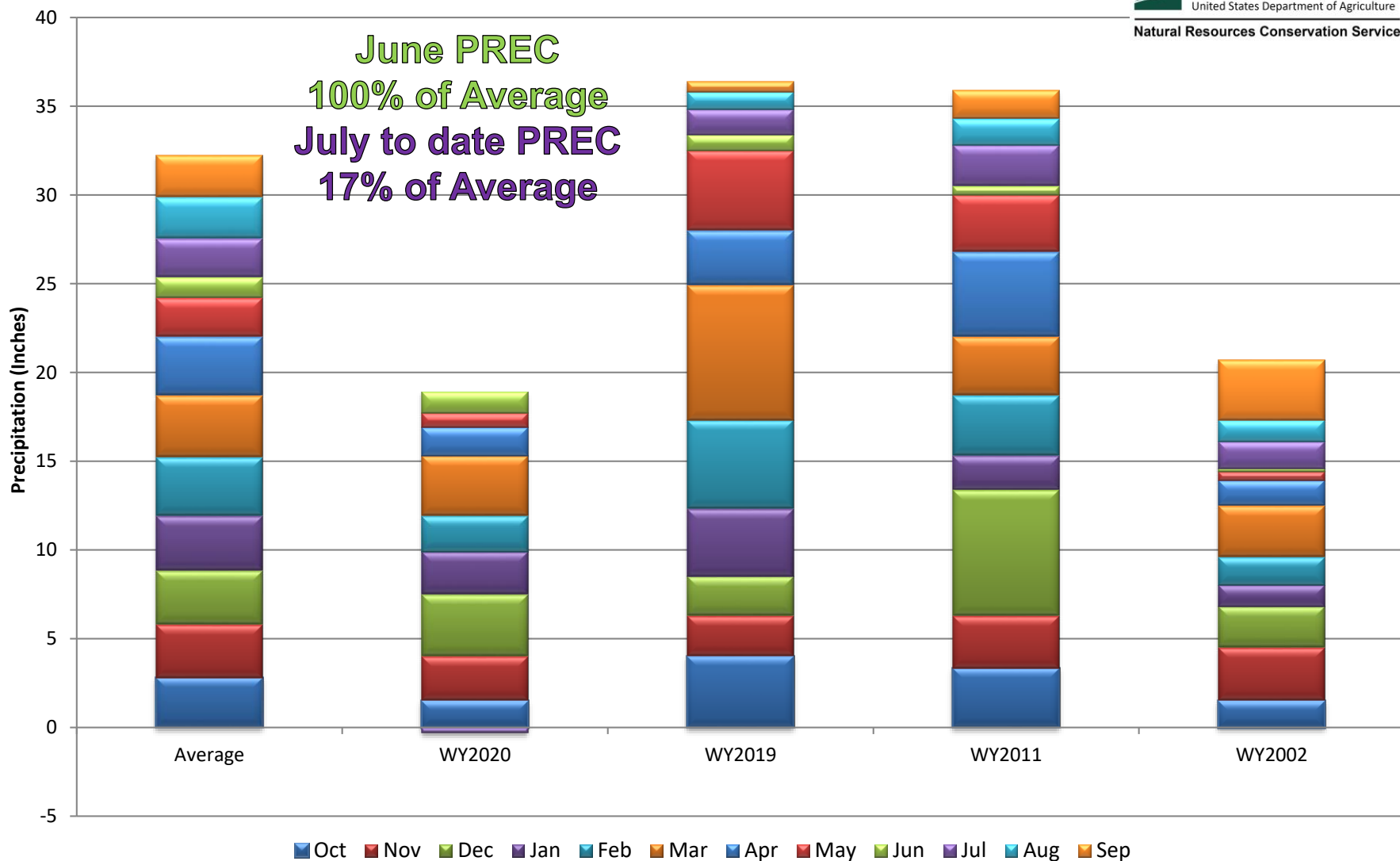
Gunnison River Basin



0 25 50 100 150 200 Miles

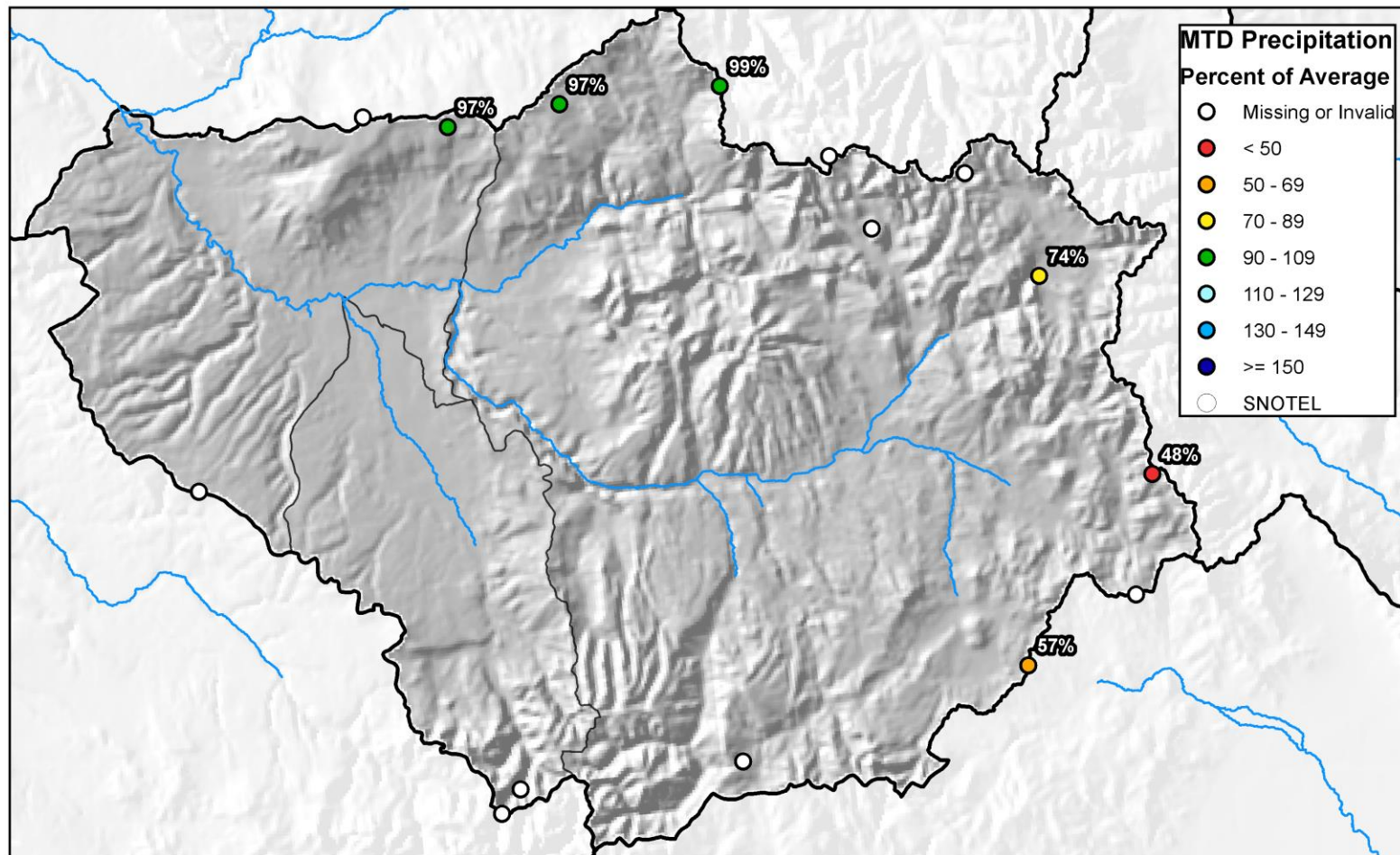
Gunnison River Basin High/Low Monthly Precipitation Summary

Based on Provisional SNOTEL data as of Jul 22, 2020



Gunnison River Basin Month to Date Precipitation Summary

Current as of Jul 22, 2020

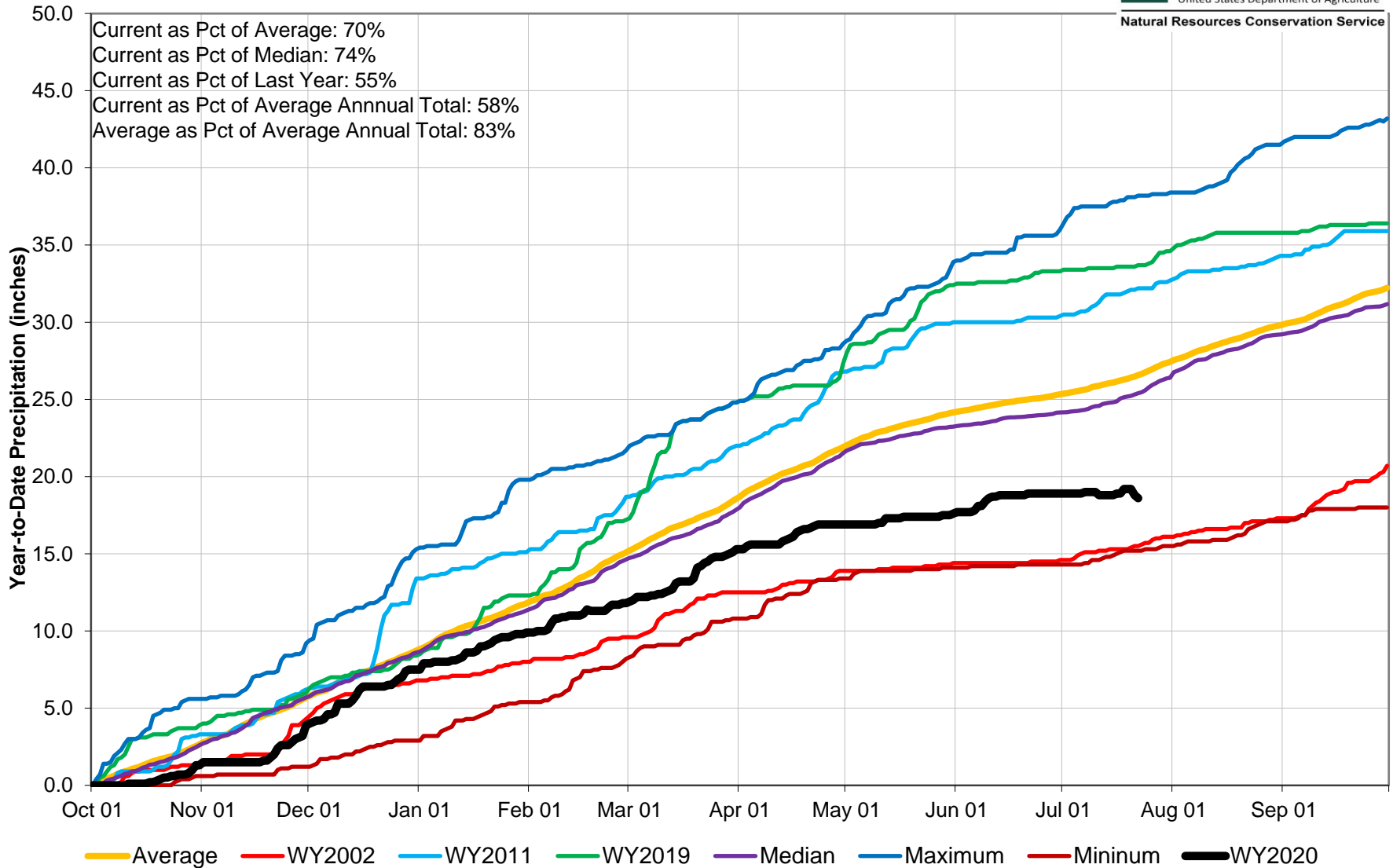


0 5 10 20 30 40 Miles



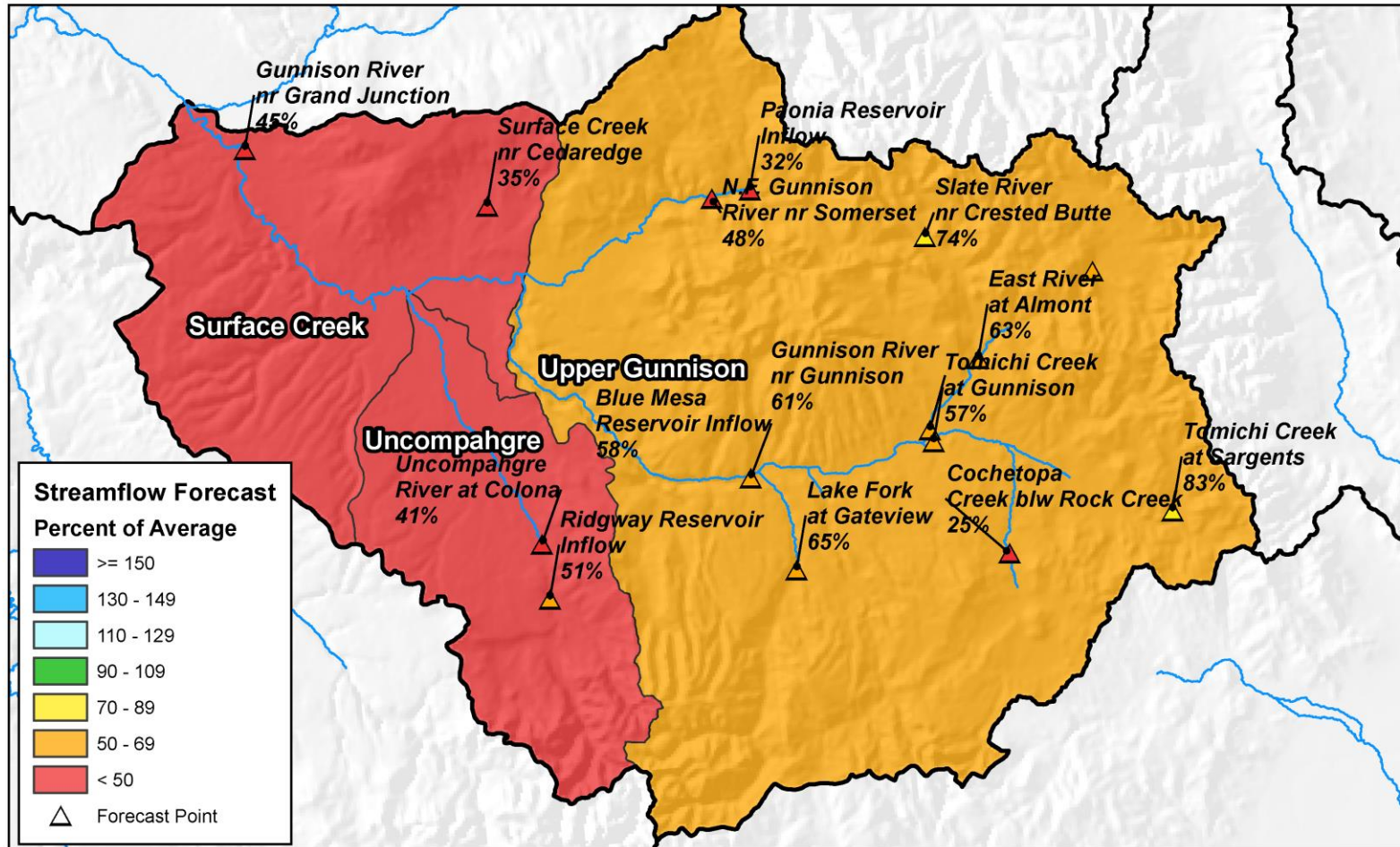
Gunnison River Basin High/Low Year-to-Date Precipitation Summary

Based on Provisional SNOTEL data as of Jul 22, 2020



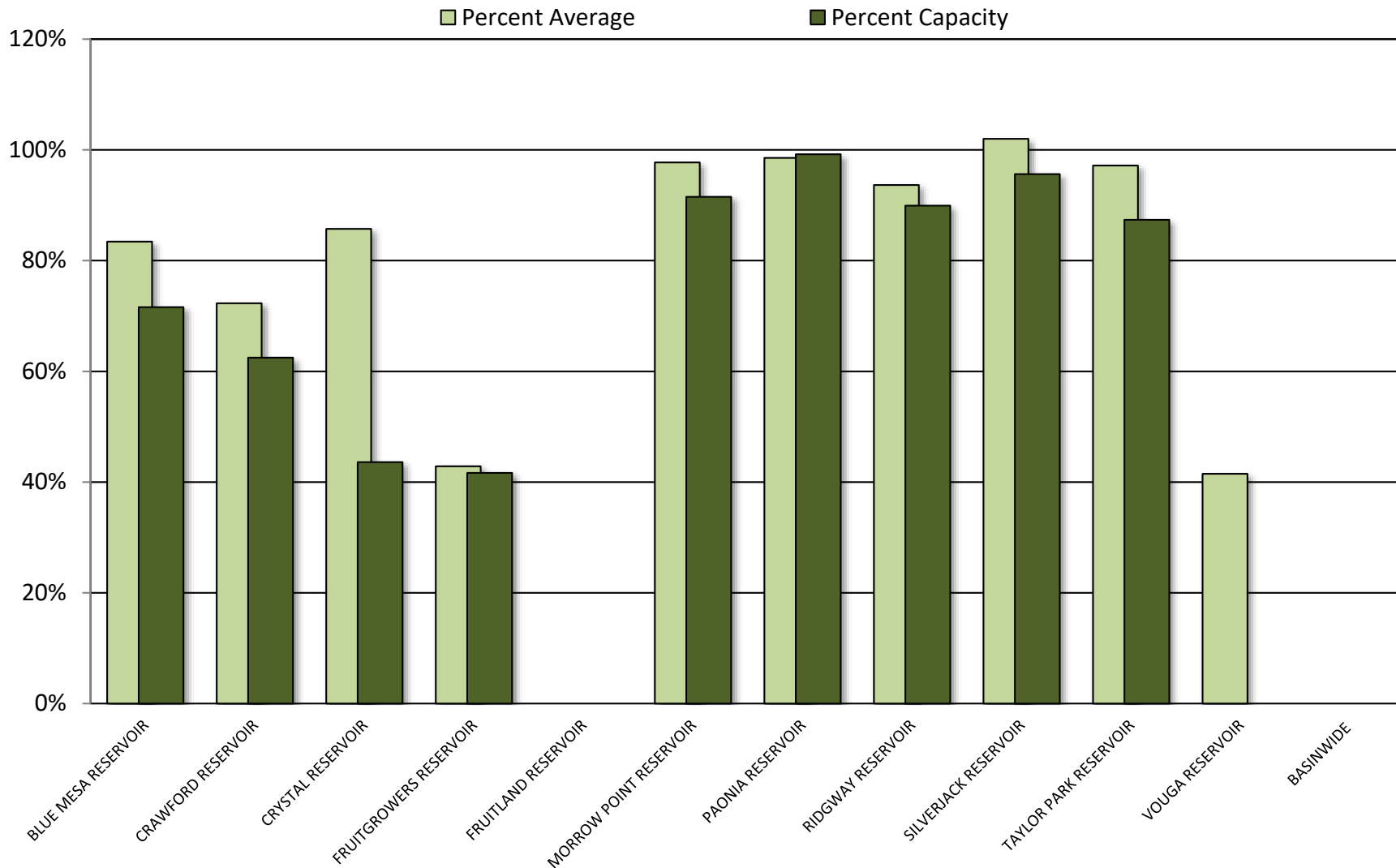
Gunnison River Basin Water Supply Forecast Summary

June 1, 2020

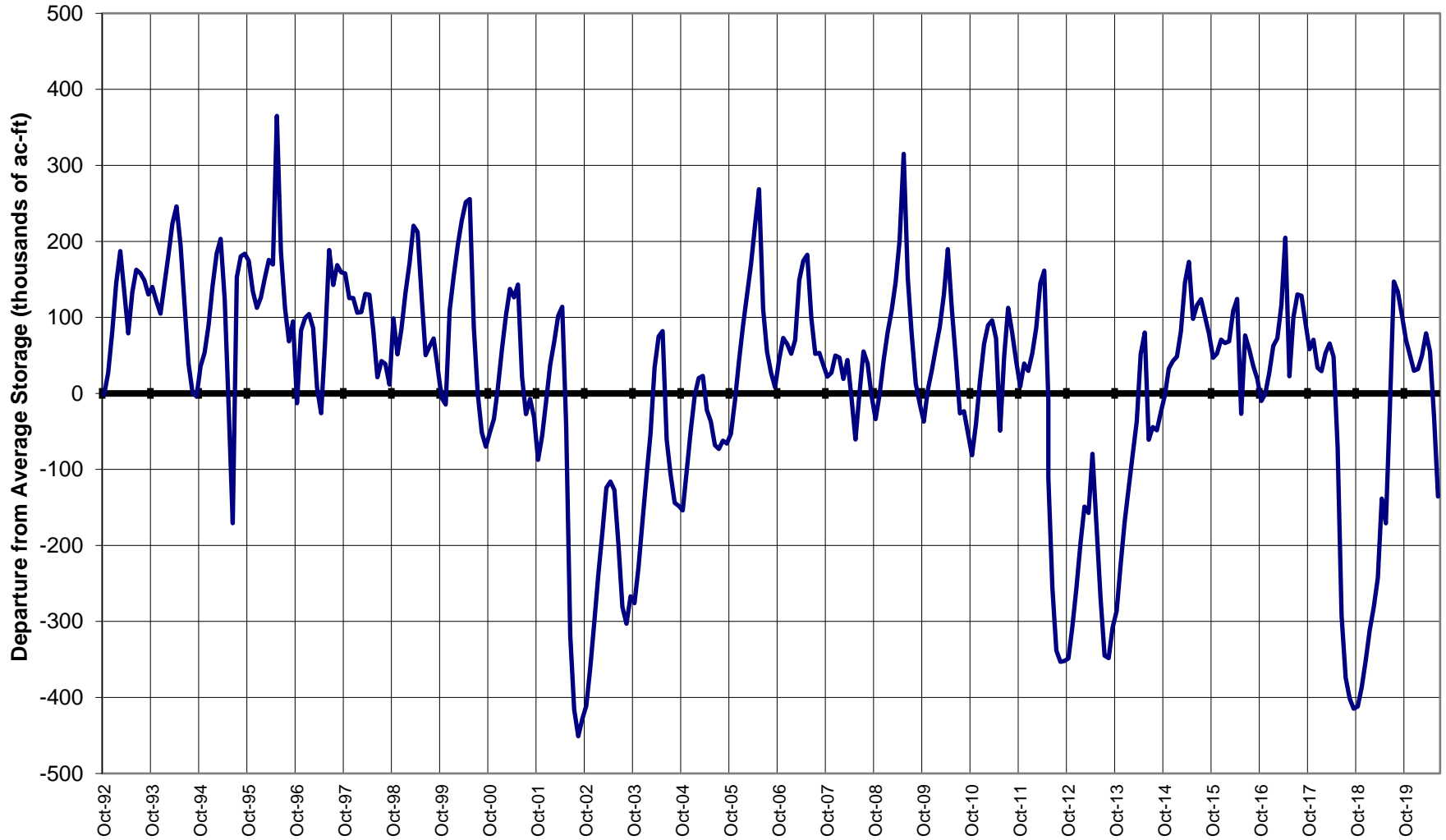


0 5 10 20 30 40 Miles

Reservoir Storage

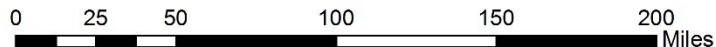
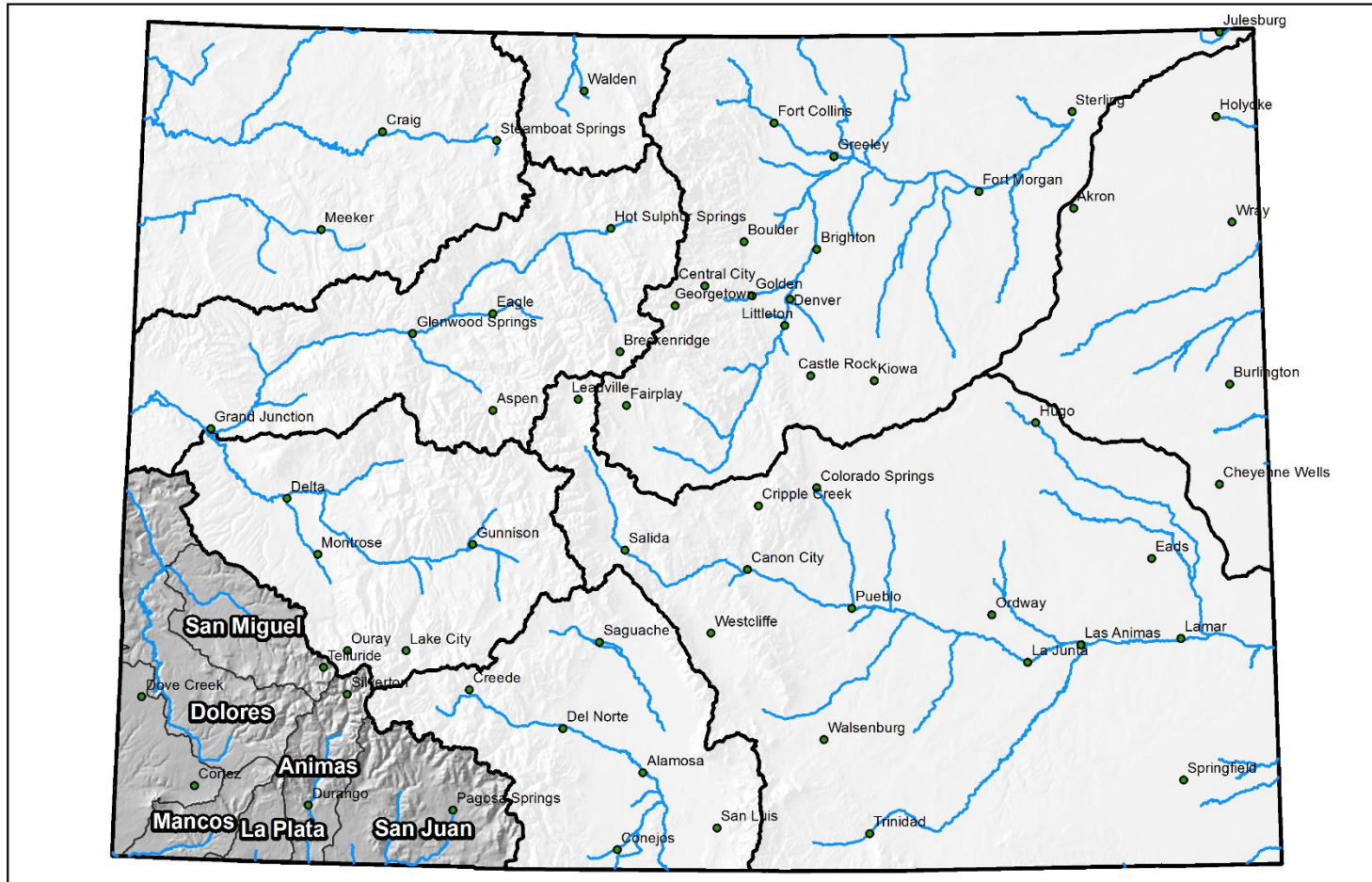


GUNNISON RIVER BASIN Reservoir Storage Departure from Average



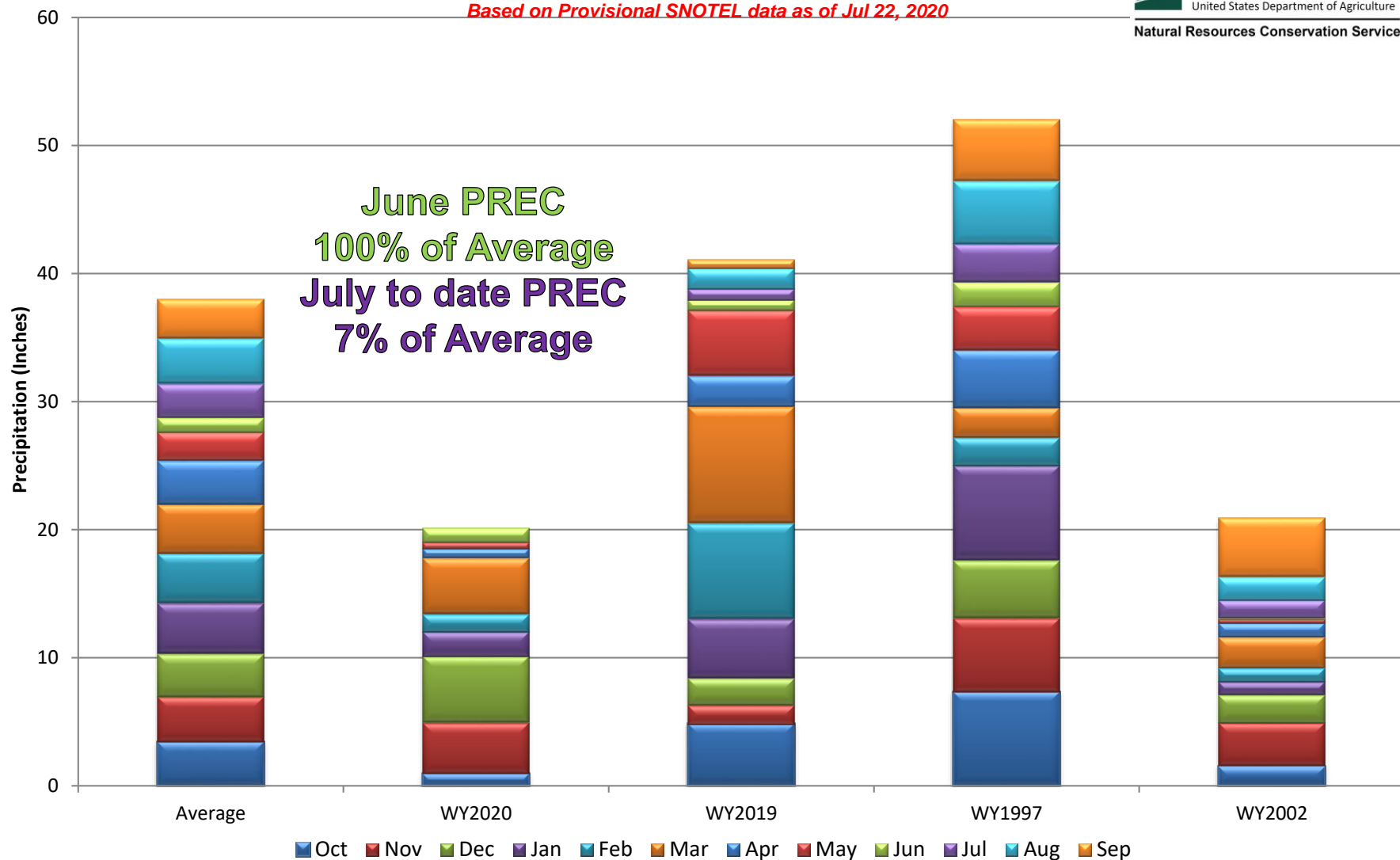
Major Basin Summary

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



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

Based on Provisional SNOTEL data as of Jul 22, 2020

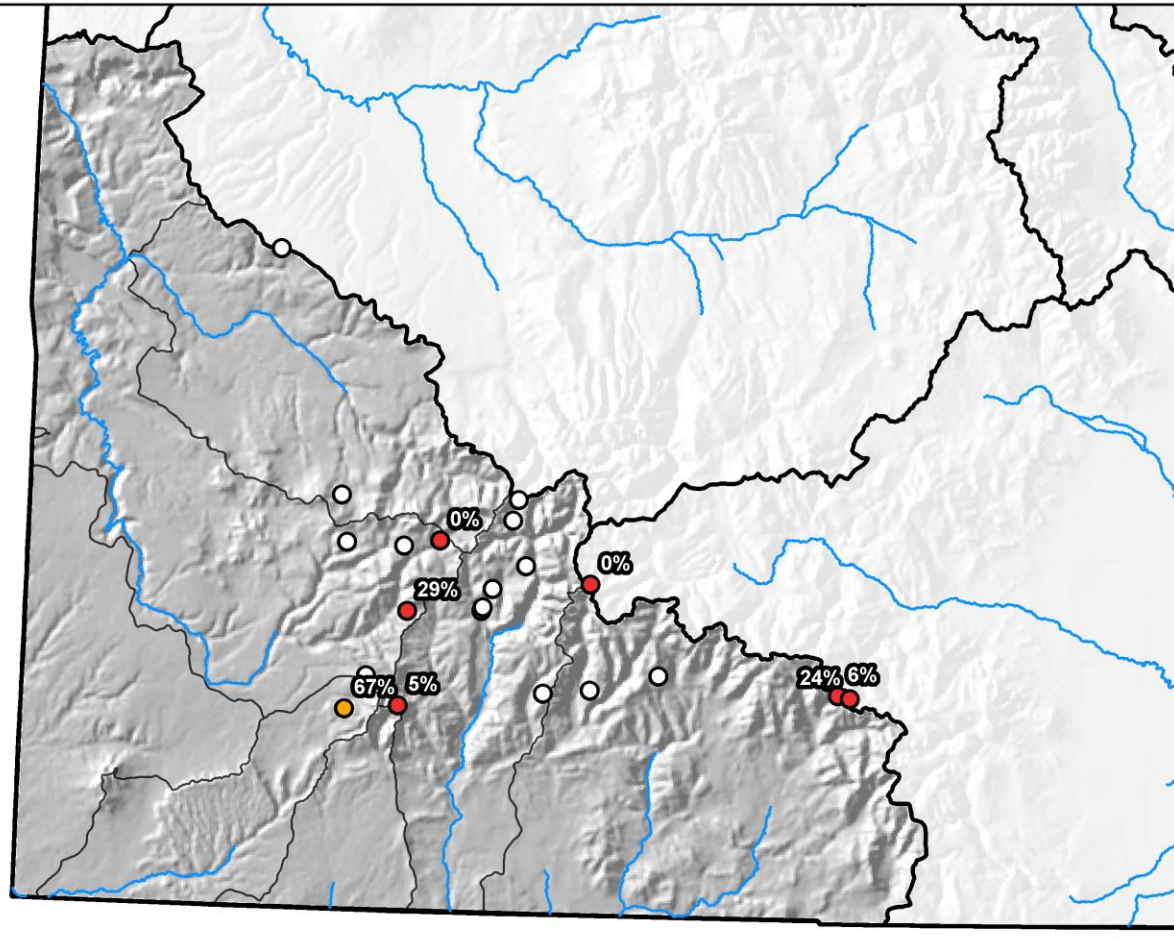


San Miguel, Dolores, Animas, and San Juan River Basins Month to Date Precipitation Summary

Current as of Jul 22, 2020

MTD Precipitation Percent of Average

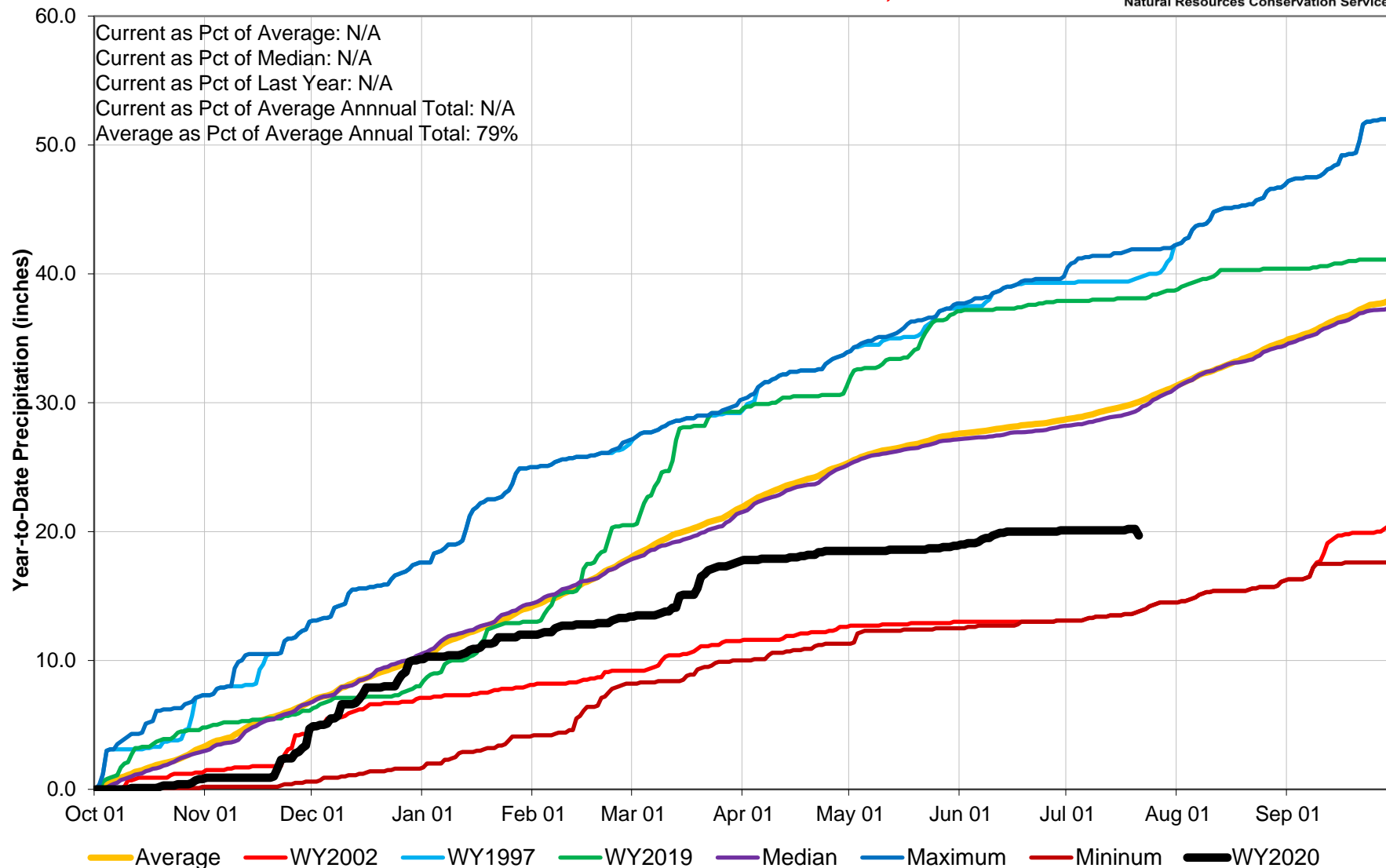
- Missing or Invalid
- < 50
- 50 - 69
- 70 - 89
- 90 - 109
- 110 - 129
- 130 - 149
- ≥ 150
- SNOTEL





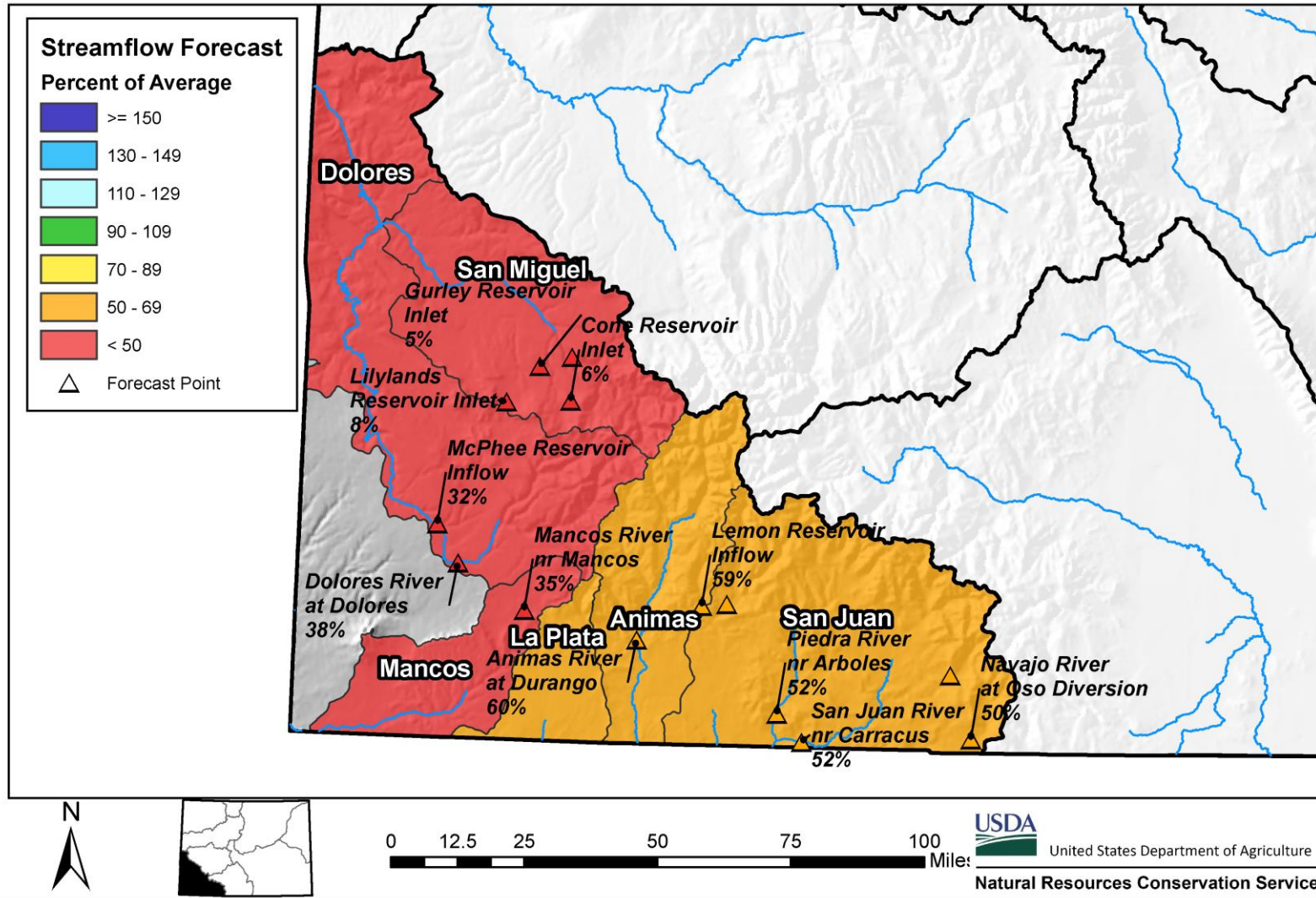
San Miguel, Dolores, Animas and San Juan River Basins High/Low Year-to-Date Precipitation Summary

Based on Provisional SNOTEL data as of Jul 22, 2020

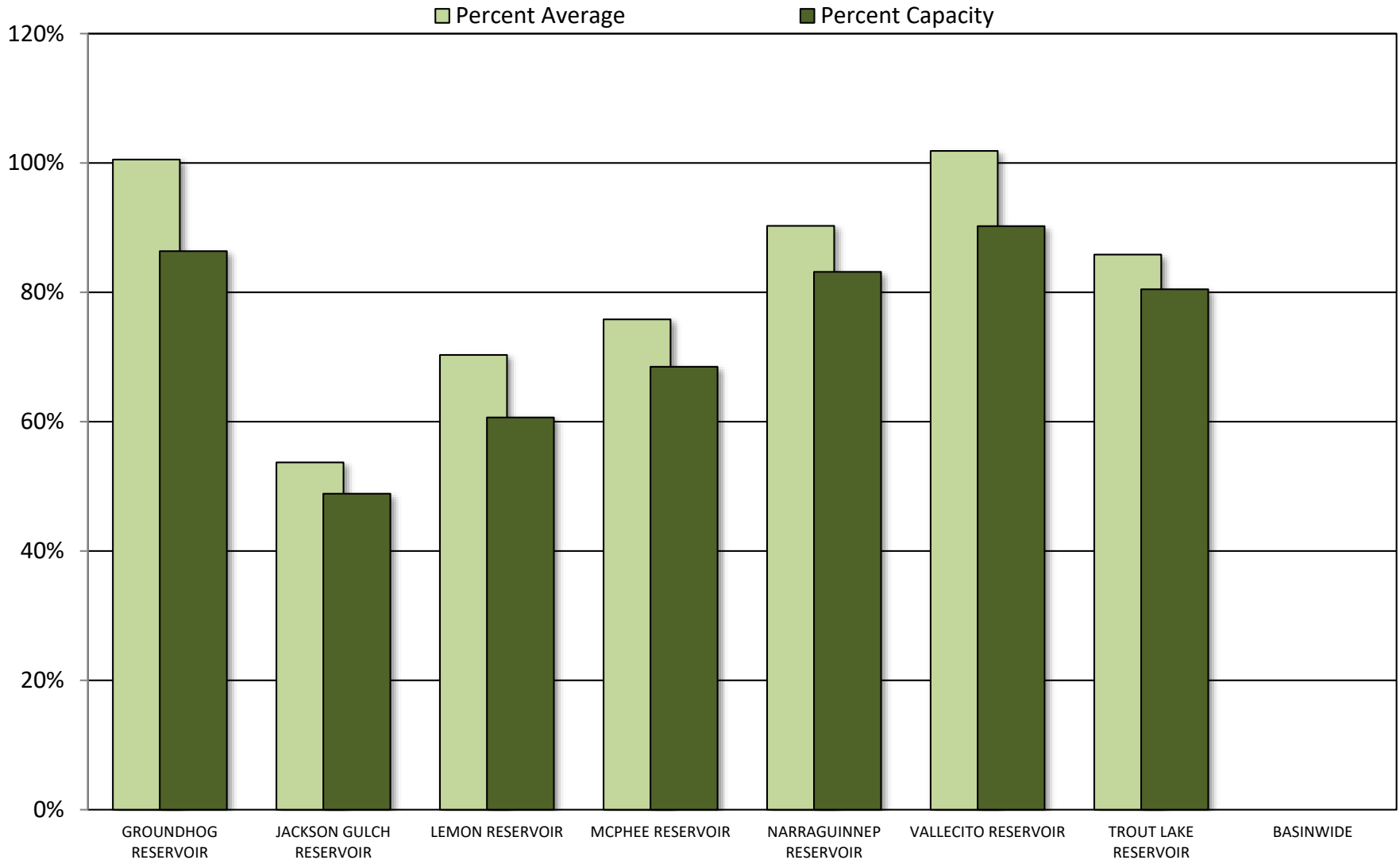


San Miguel, Dolores, Animas, and San Juan River Basins Streamflow Forecast Summary

June 1, 2020

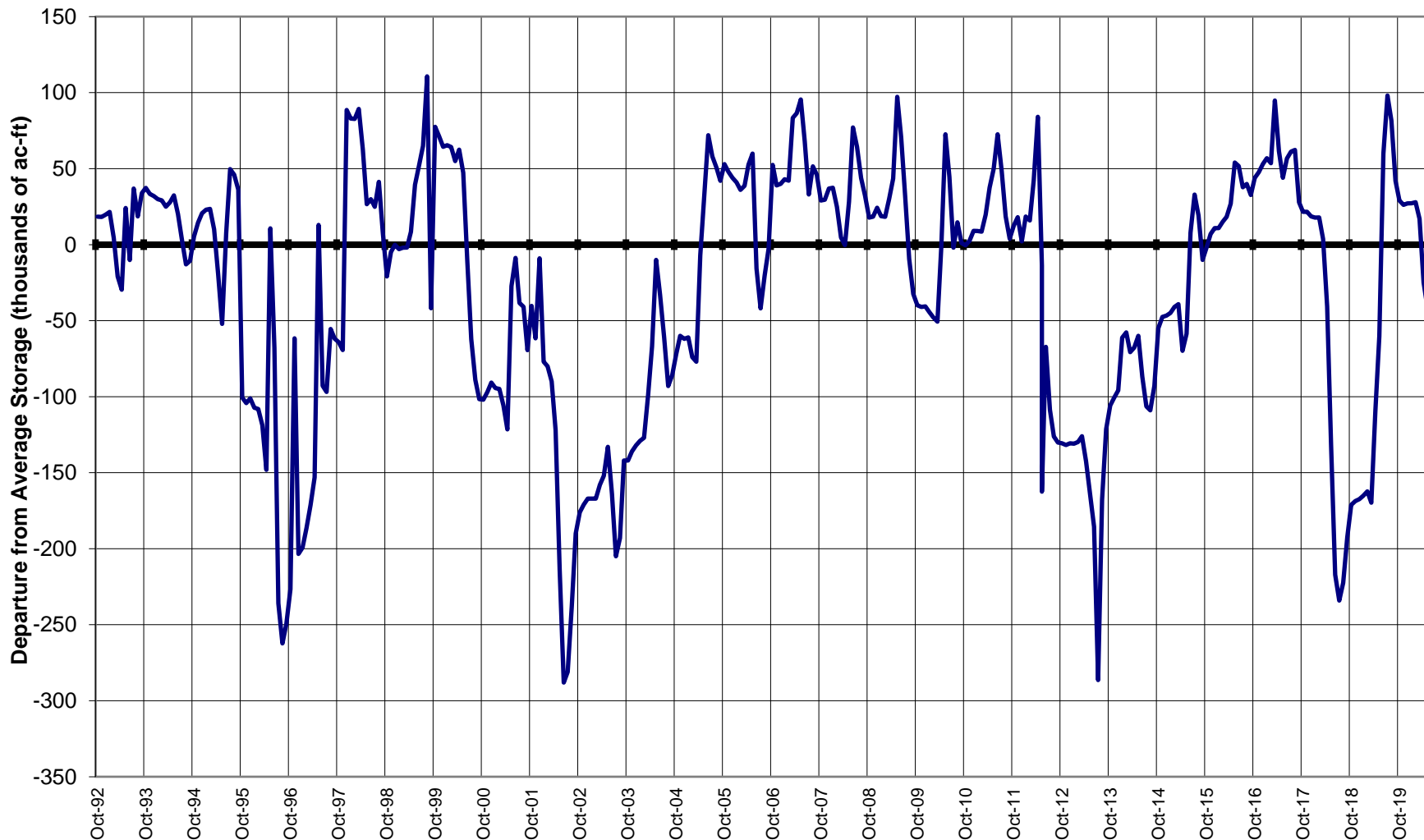


Reservoir Storage



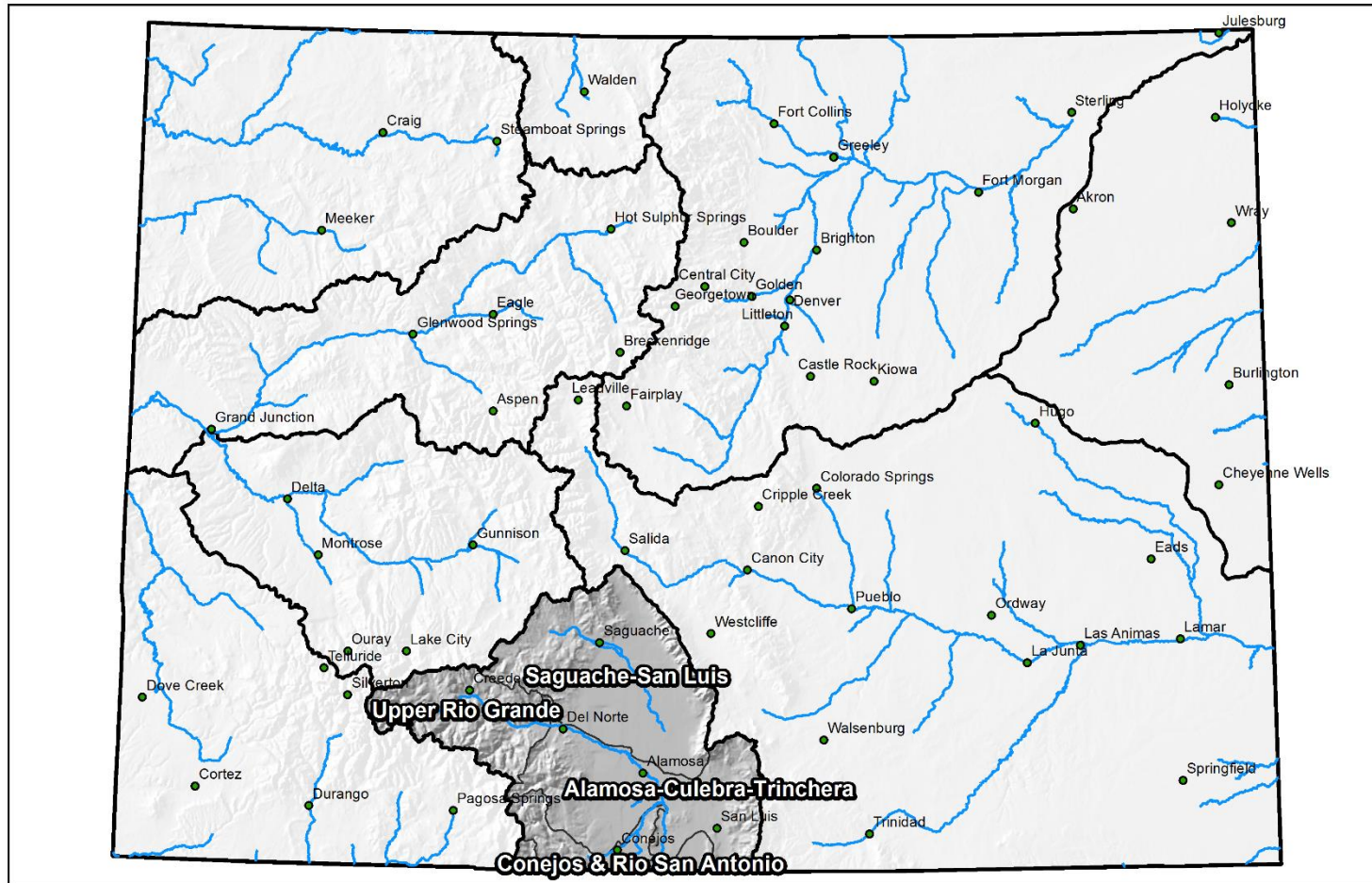
SAN MIGUEL, DOLORES, ANIMAS AND SAN JUAN RIVER BASINS

Reservoir Storage Departure from Average



Major Basin Summary

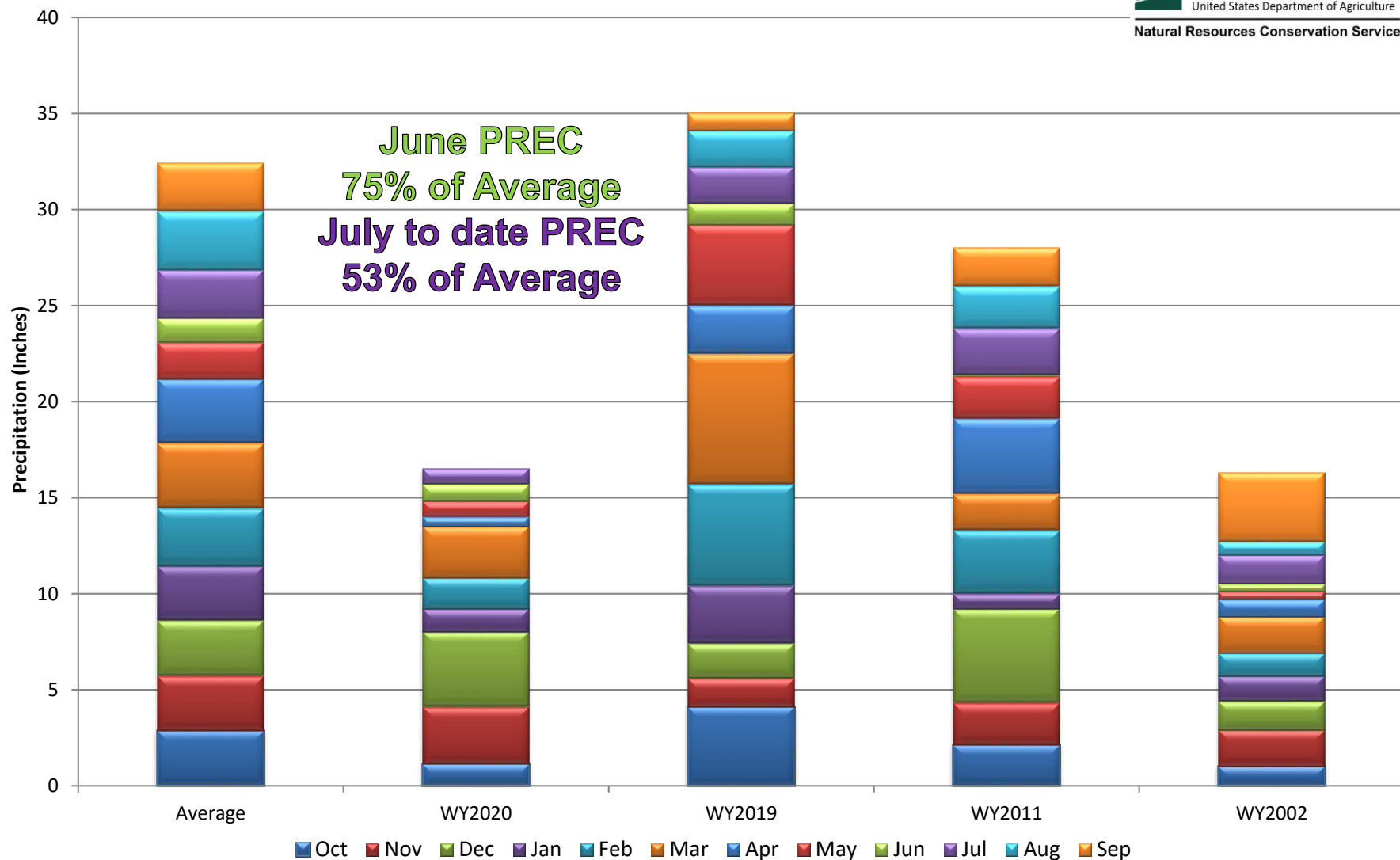
Upper Rio Grande River Basin





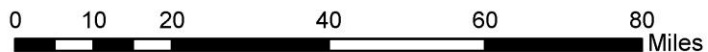
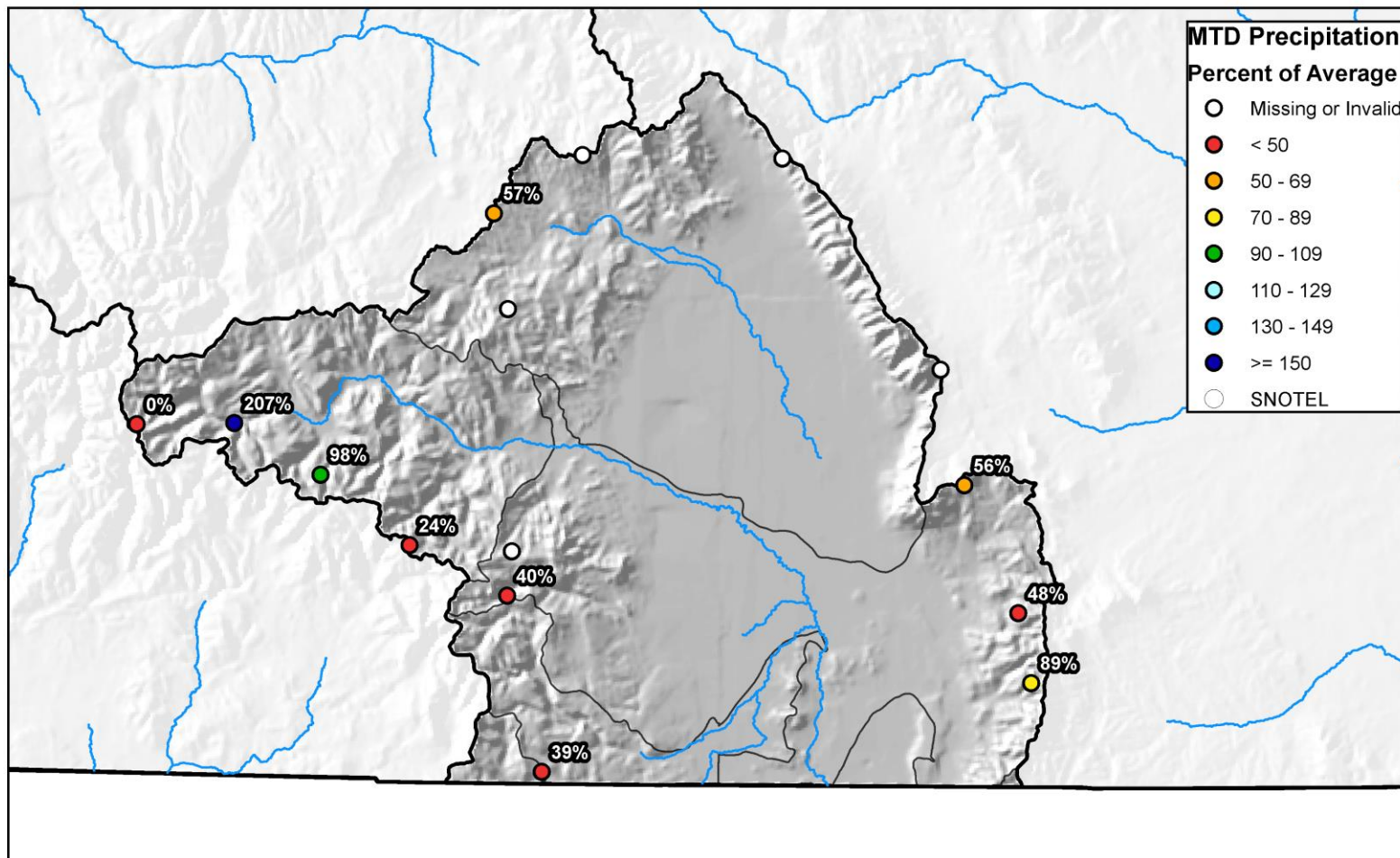
Upper Rio Grande River Basin High/Low Monthly Precipitation Summary

Based on Provisional SNOTEL data as of Jul 22, 2020



Upper Rio Grande River Basin Month to Date Precipitation Summary

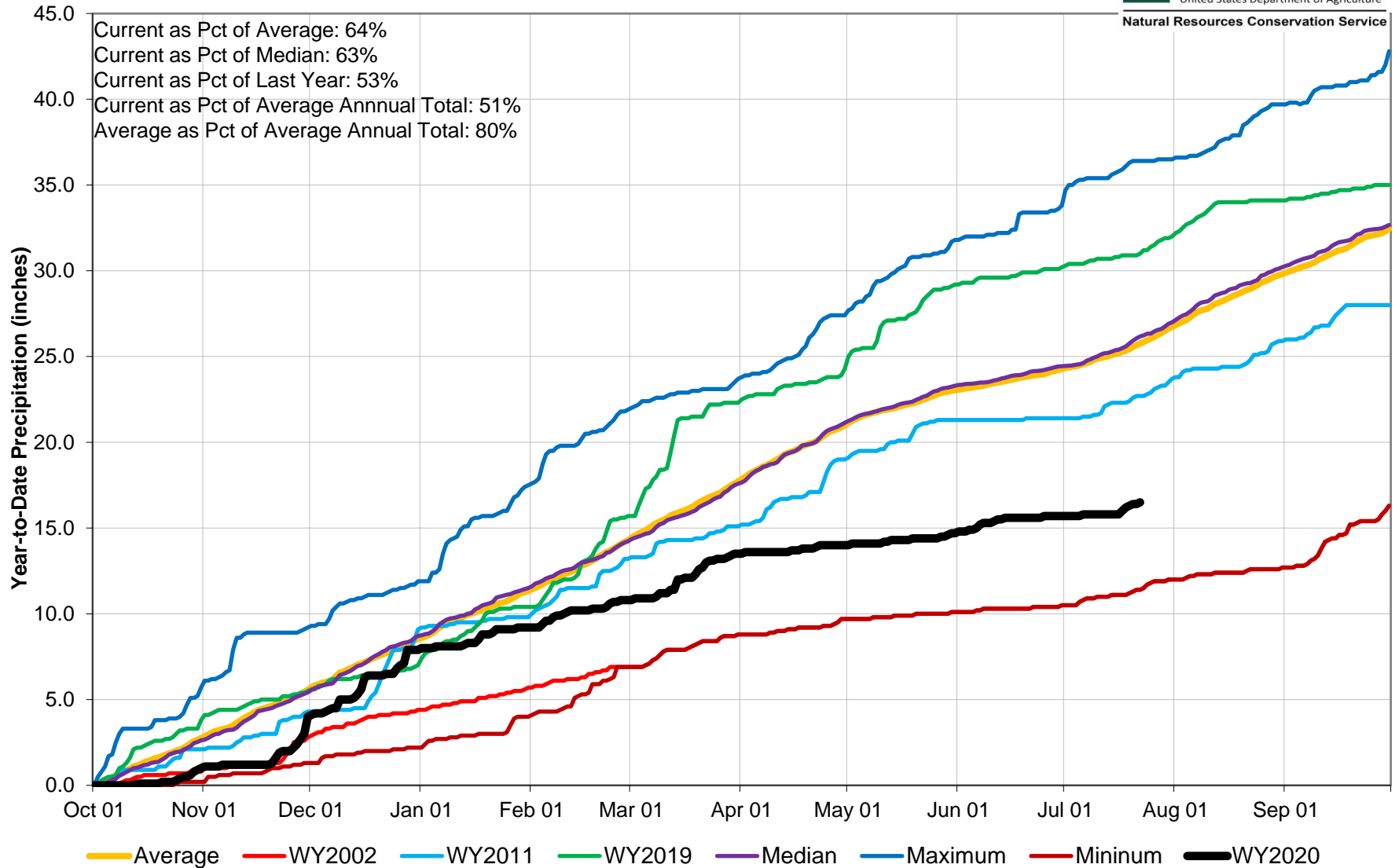
Current as of Jul 22, 2020





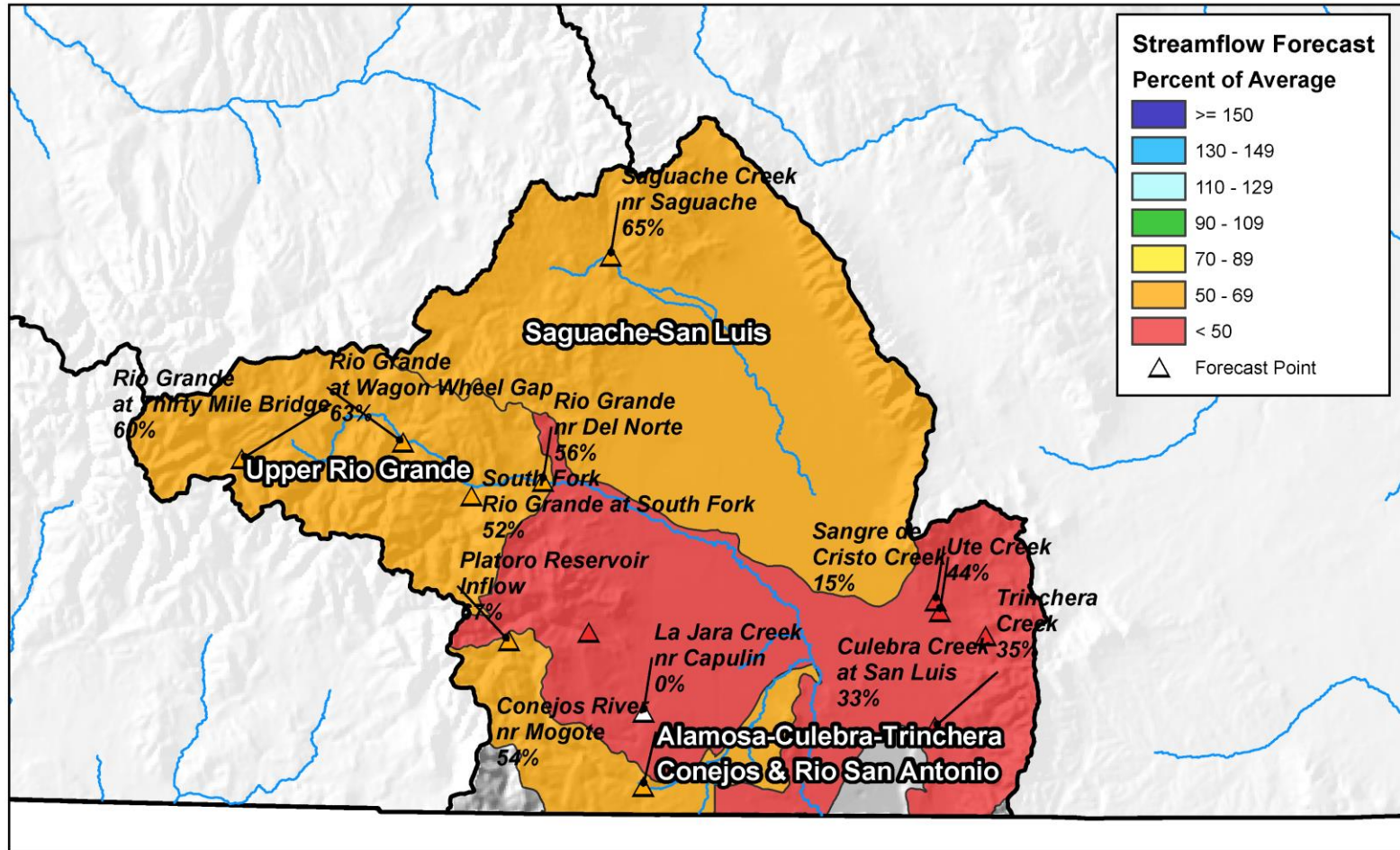
Upper Rio Grande River Basin High/Low Year-to-Date Precipitation Summary

Based on Provisional SNOTEL data as of Jul 22, 2020

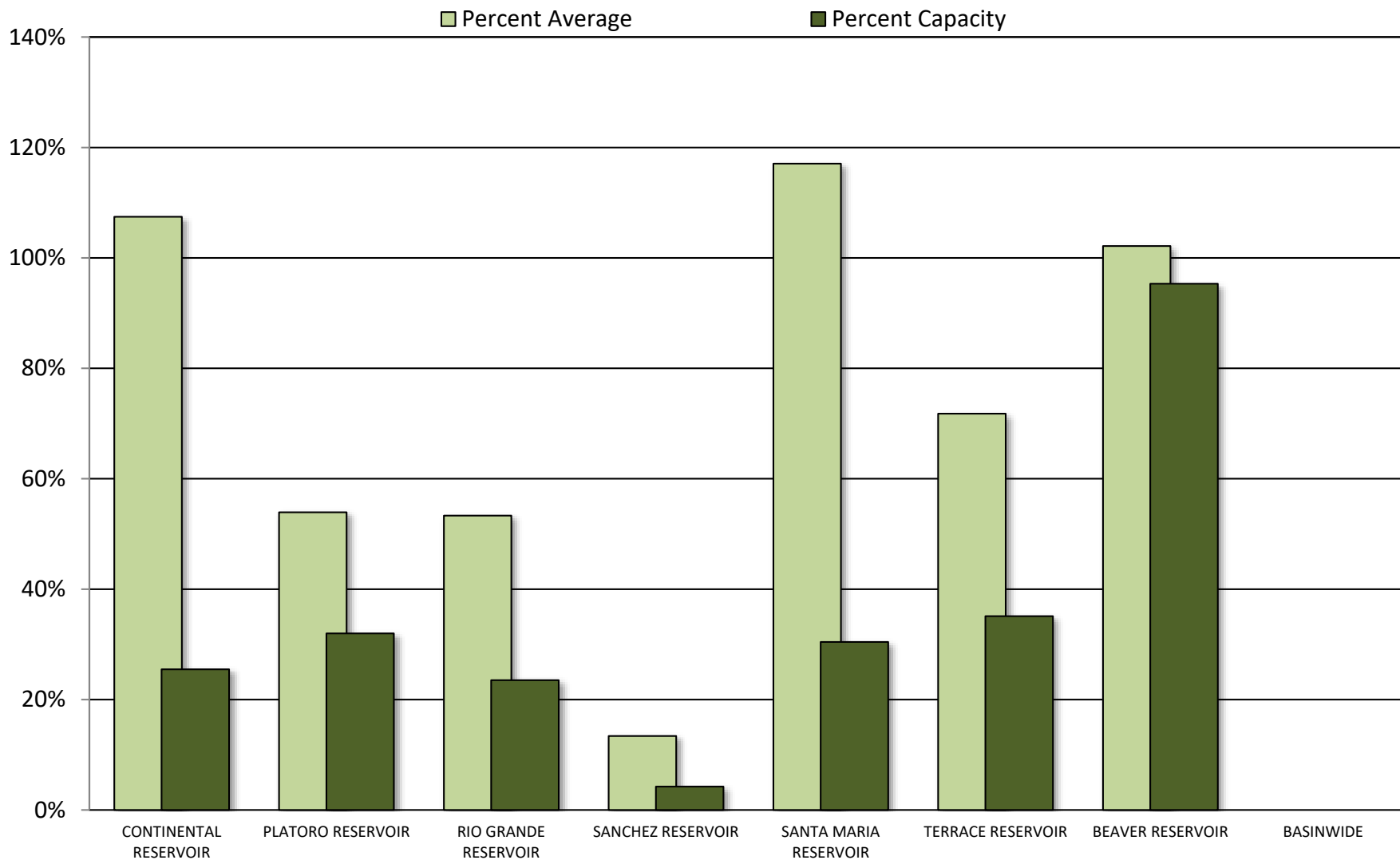


Upper Rio Grande River Basin Streamflow Forecast Summary

June 1, 2020

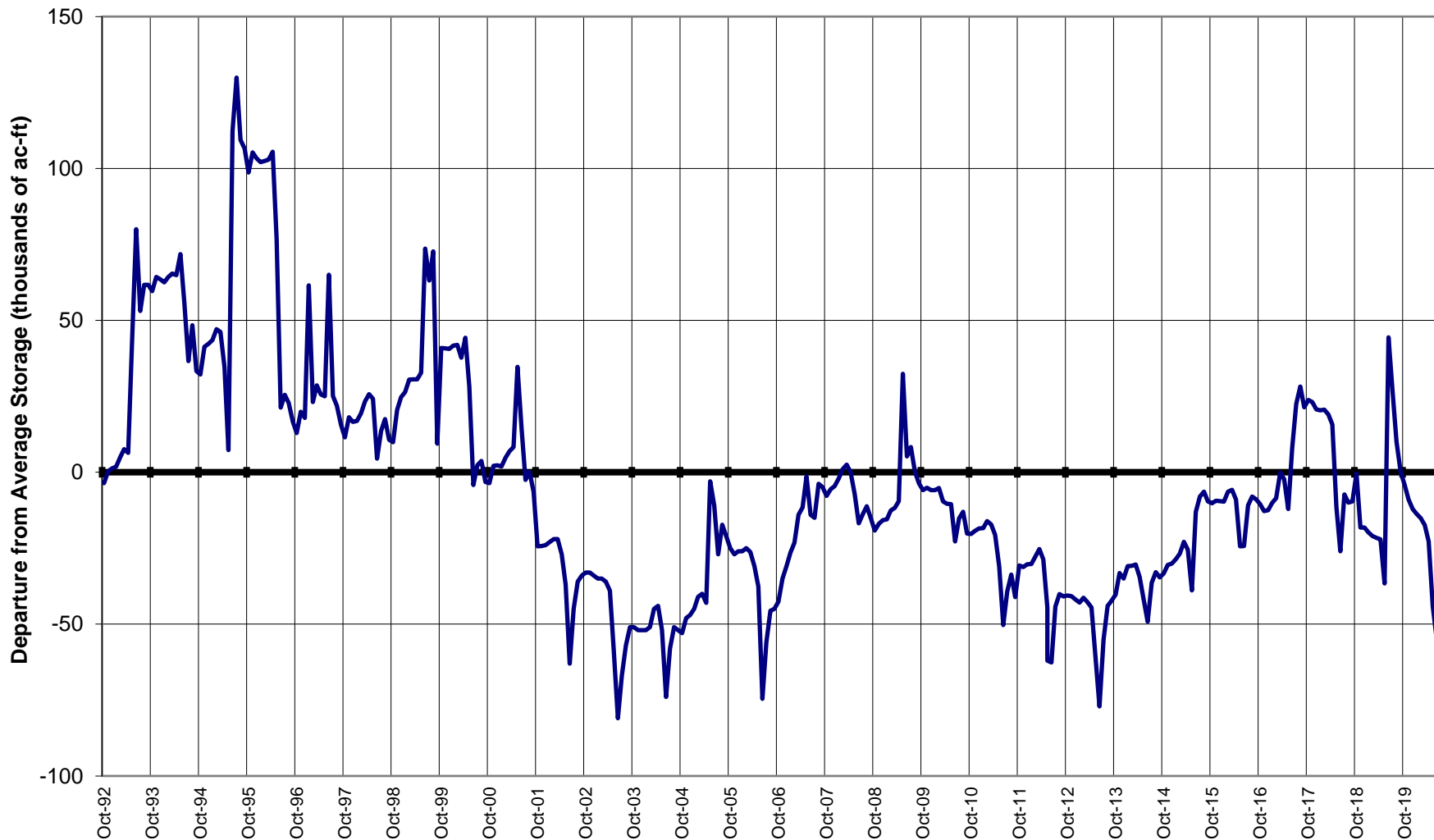


Reservoir Storage



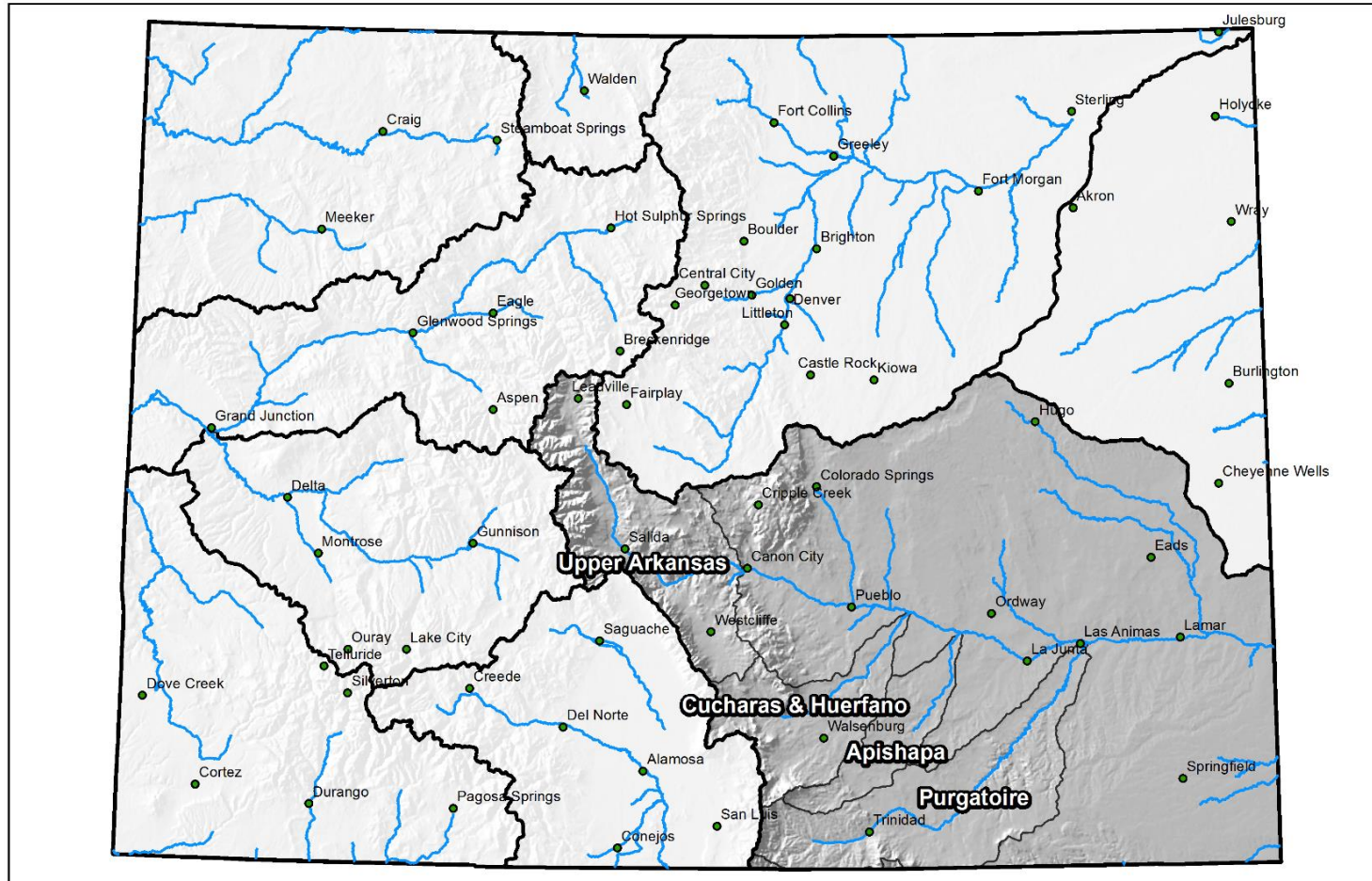


UPPER RIO GRANDE BASIN Reservoir Storage Departure from Average



Major Basin Summary

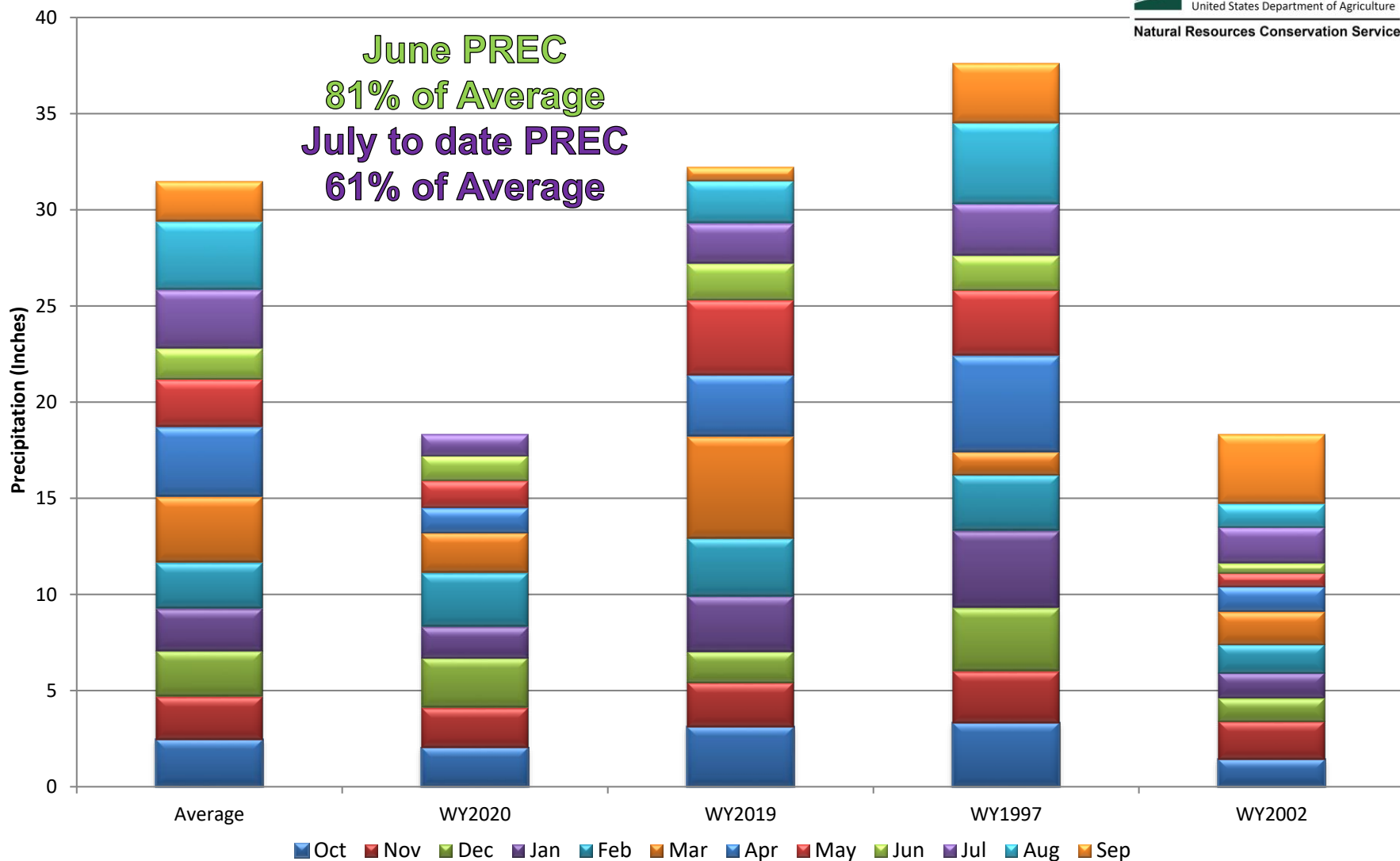
Arkansas River Basin



0 25 50 100 150 200 Miles

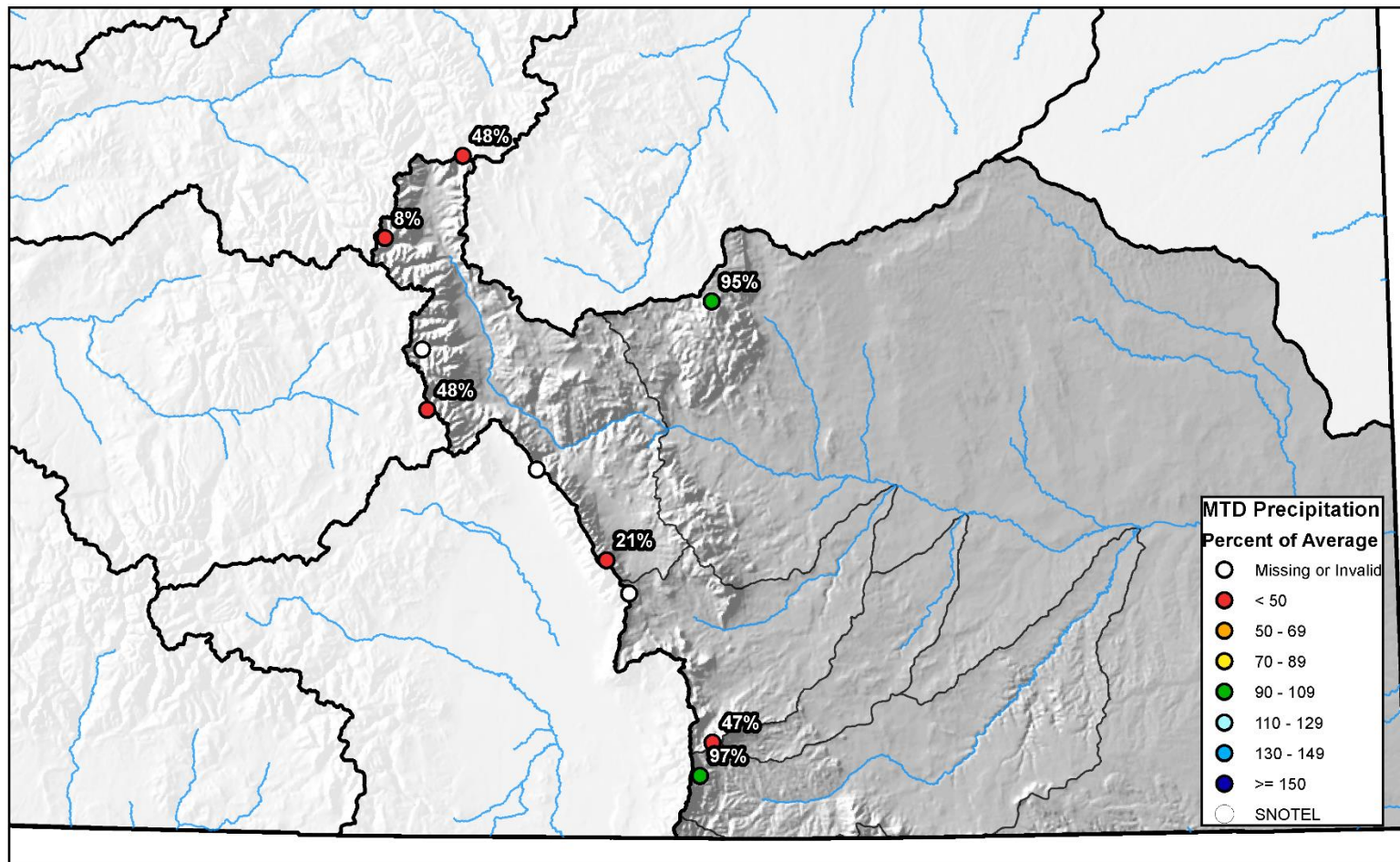
Arkansas River Basin High/Low Monthly Precipitation Summary

Based on Provisional SNOTEL data as of Jul 22, 2020



Arkansas River Basin Month to Date Precipitation Summary

Current as of Jul 22, 2020

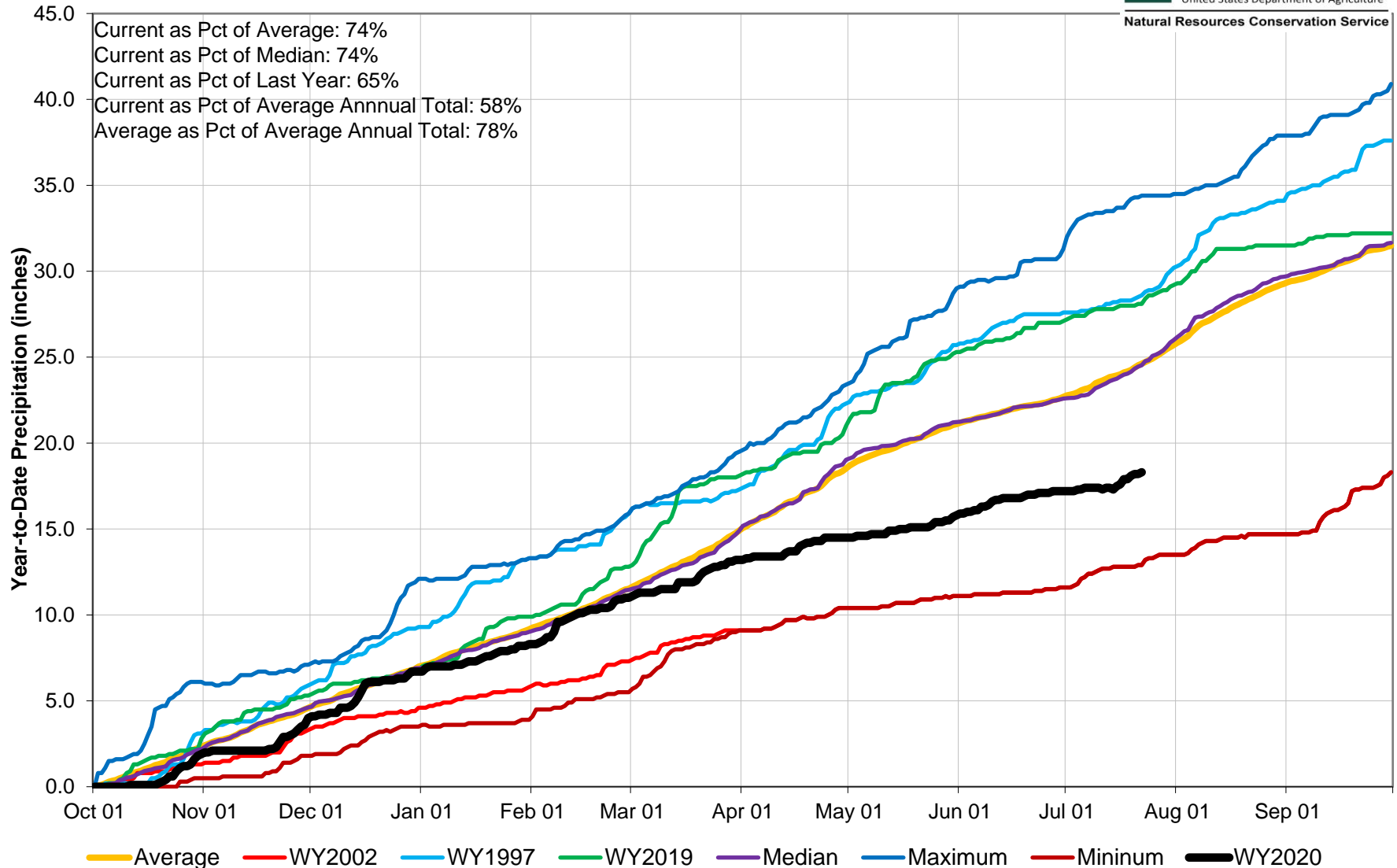


0 10 20 40 60 80 Miles



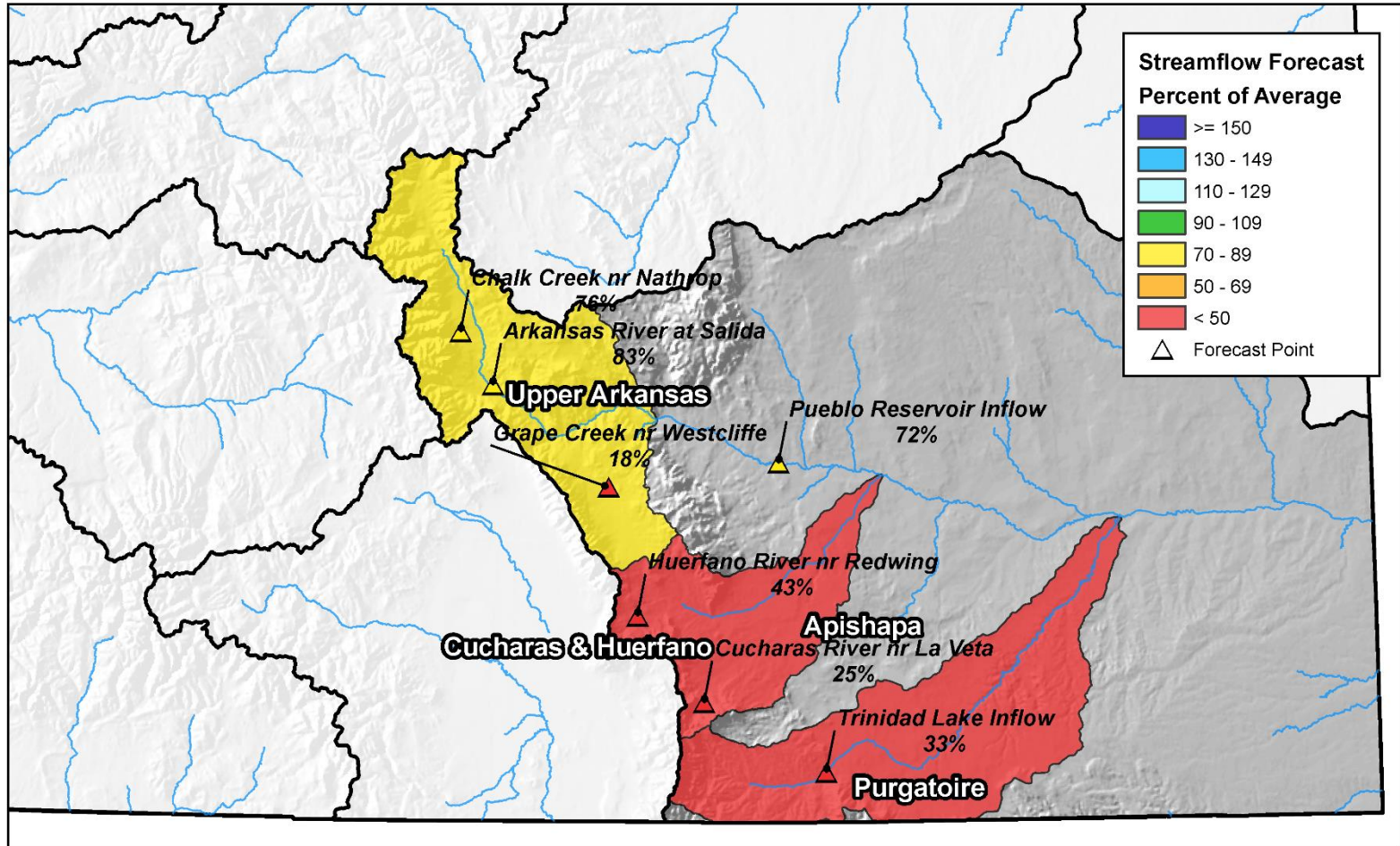
Arkansas River Basin High/Low Year-to-Date Precipitation Summary

Based on Provisional SNOTEL data as of Jul 22, 2020



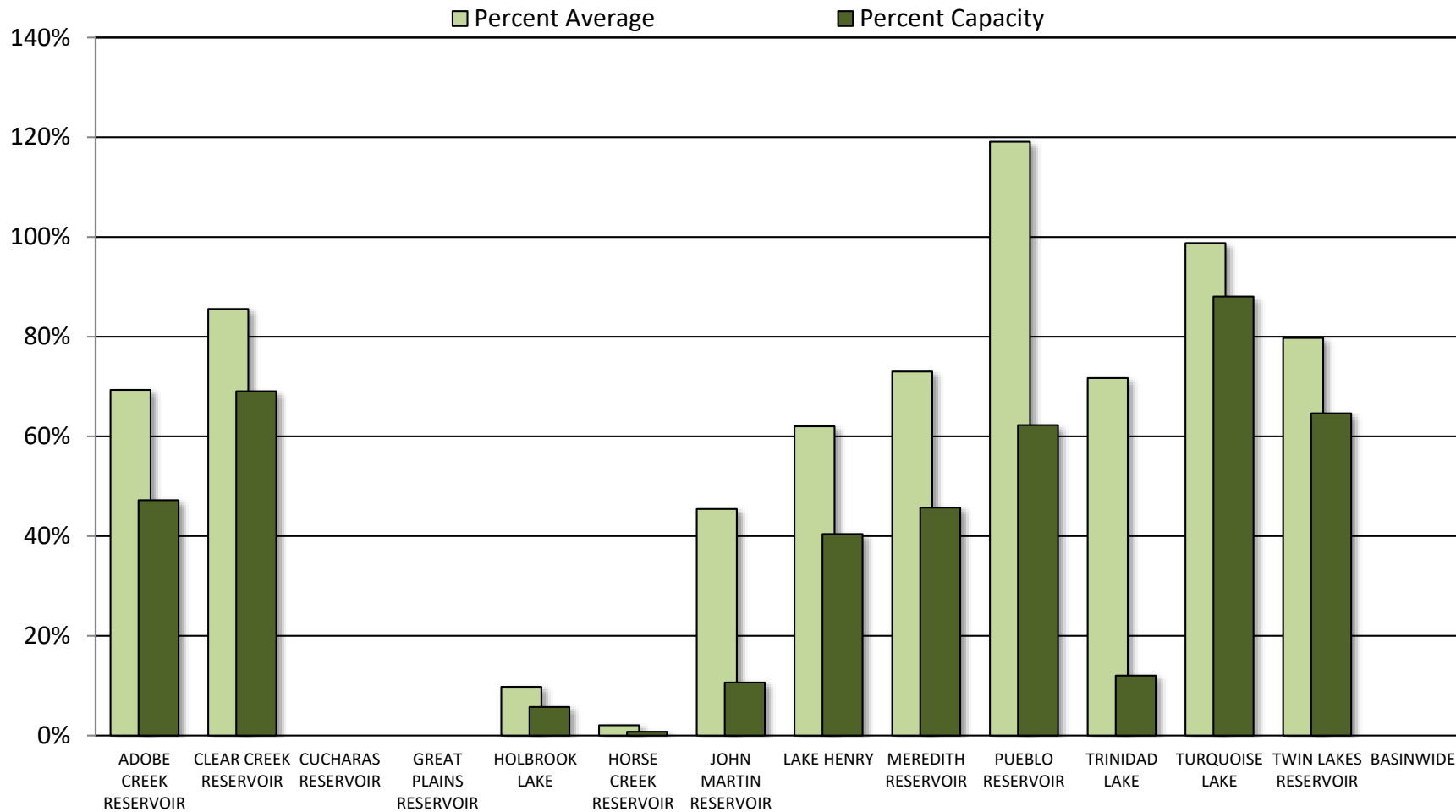
Arkansas River Basin Streamflow Forecast Summary

June 1, 2020

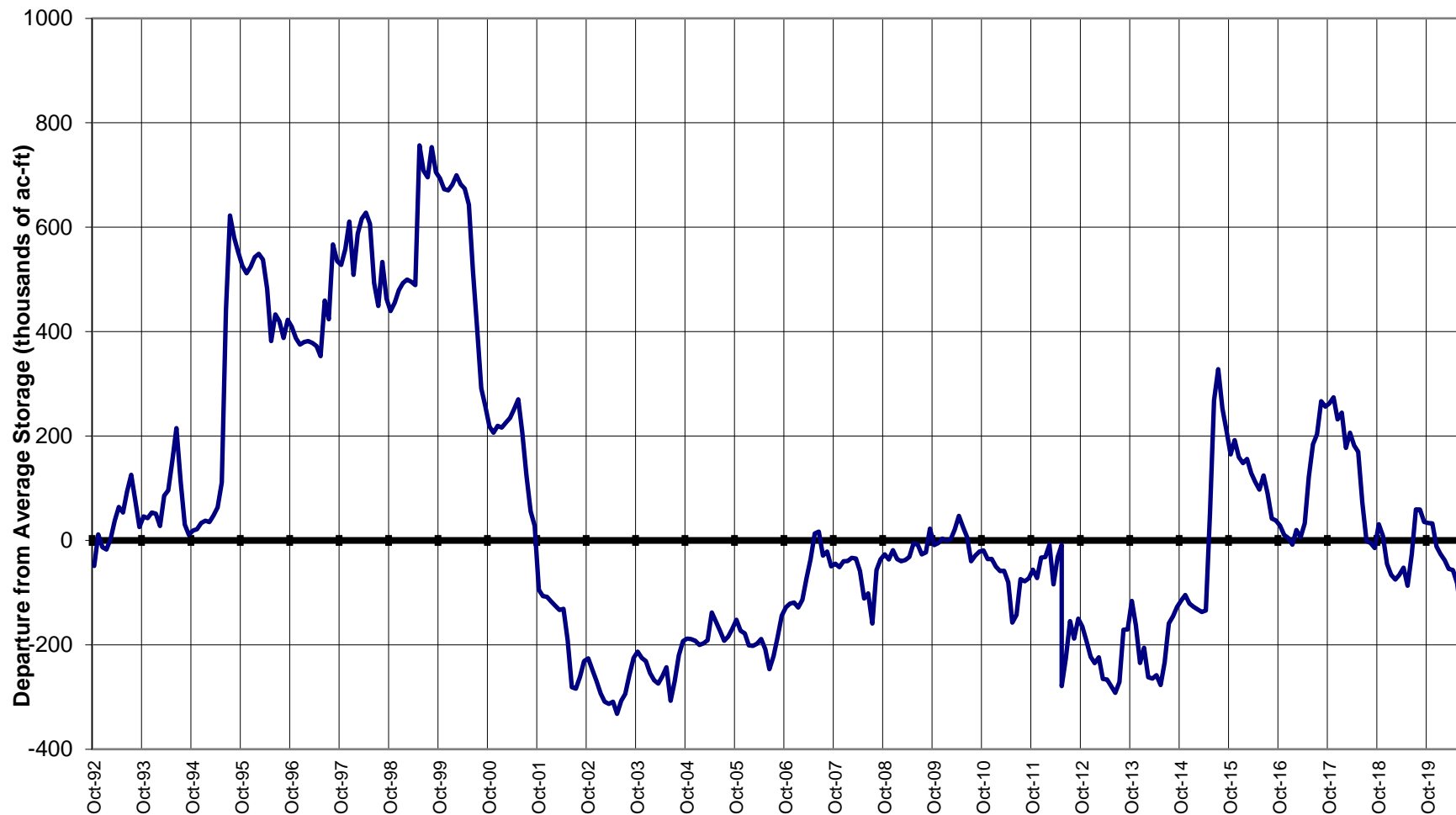


0 10 20 40 60 80 Miles

Reservoir Storage

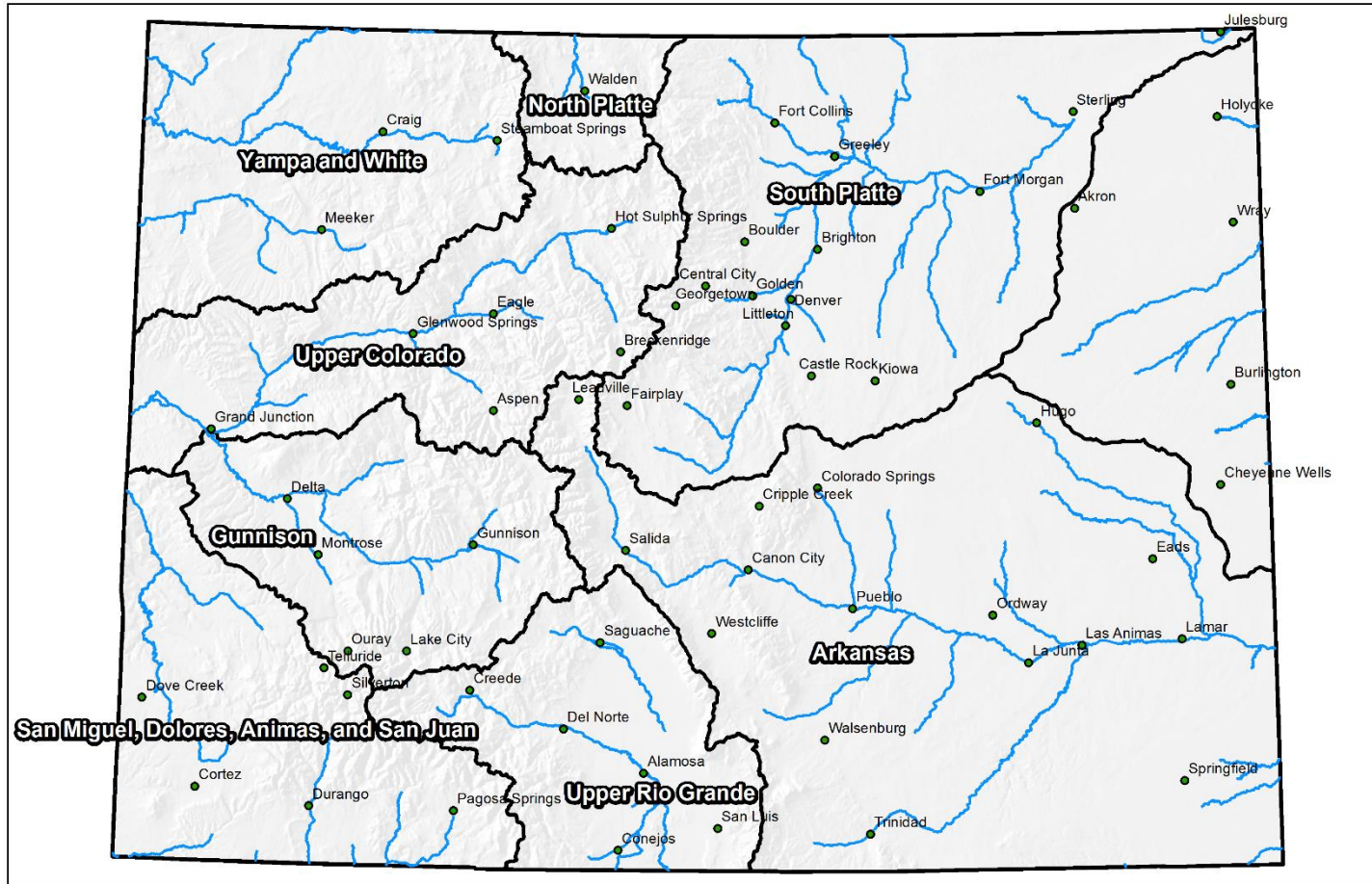


ARKANSAS RIVER BASIN Reservoir Storage Departure from Average



Colorado Statewide Summary

Colorado Major Basins



0 25 50 100 150 200 Miles



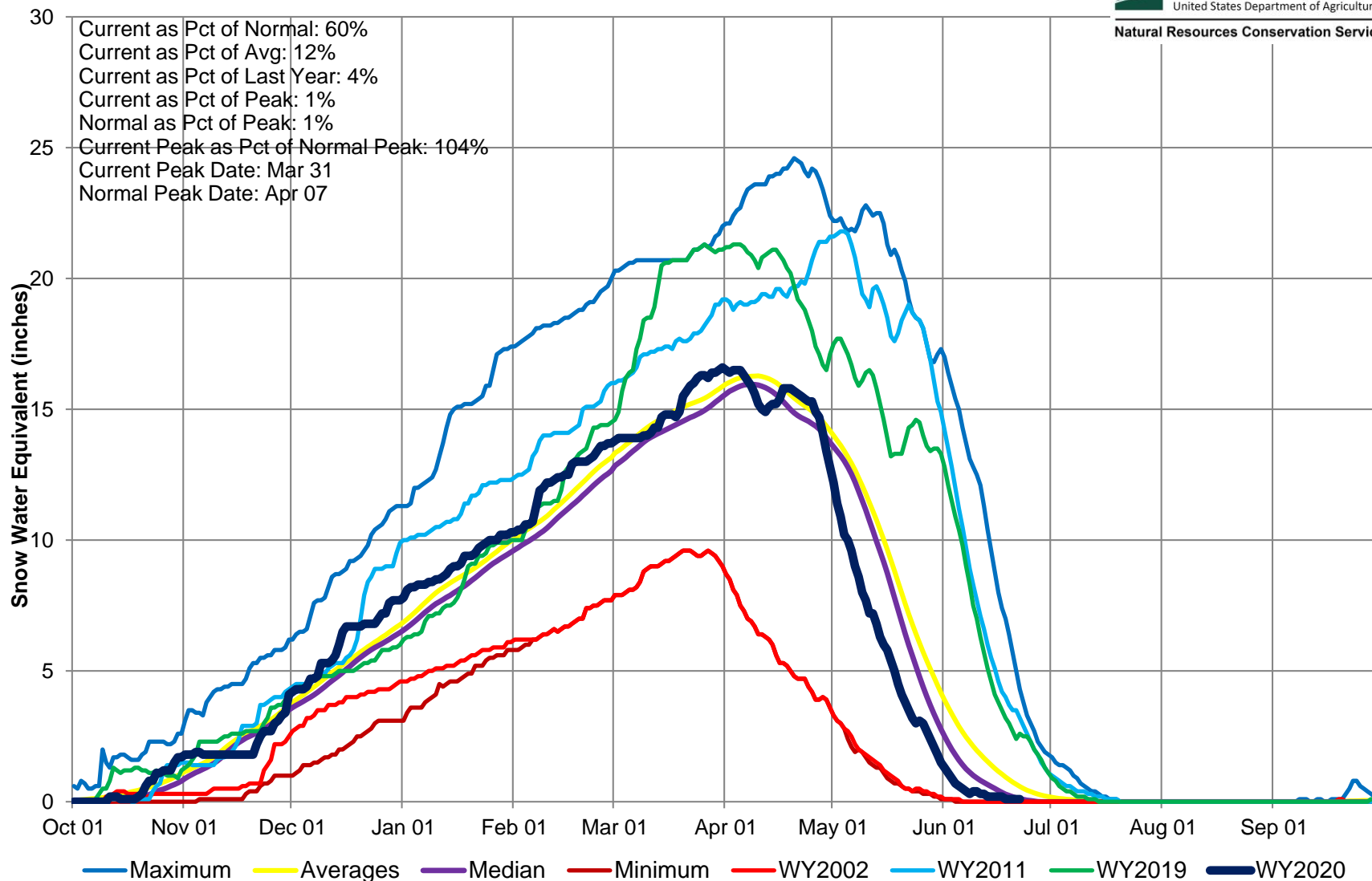
Colorado Statewide High/Low Snowpack Summary

Based on Provisional SNOTEL data as of Jun 22, 2020



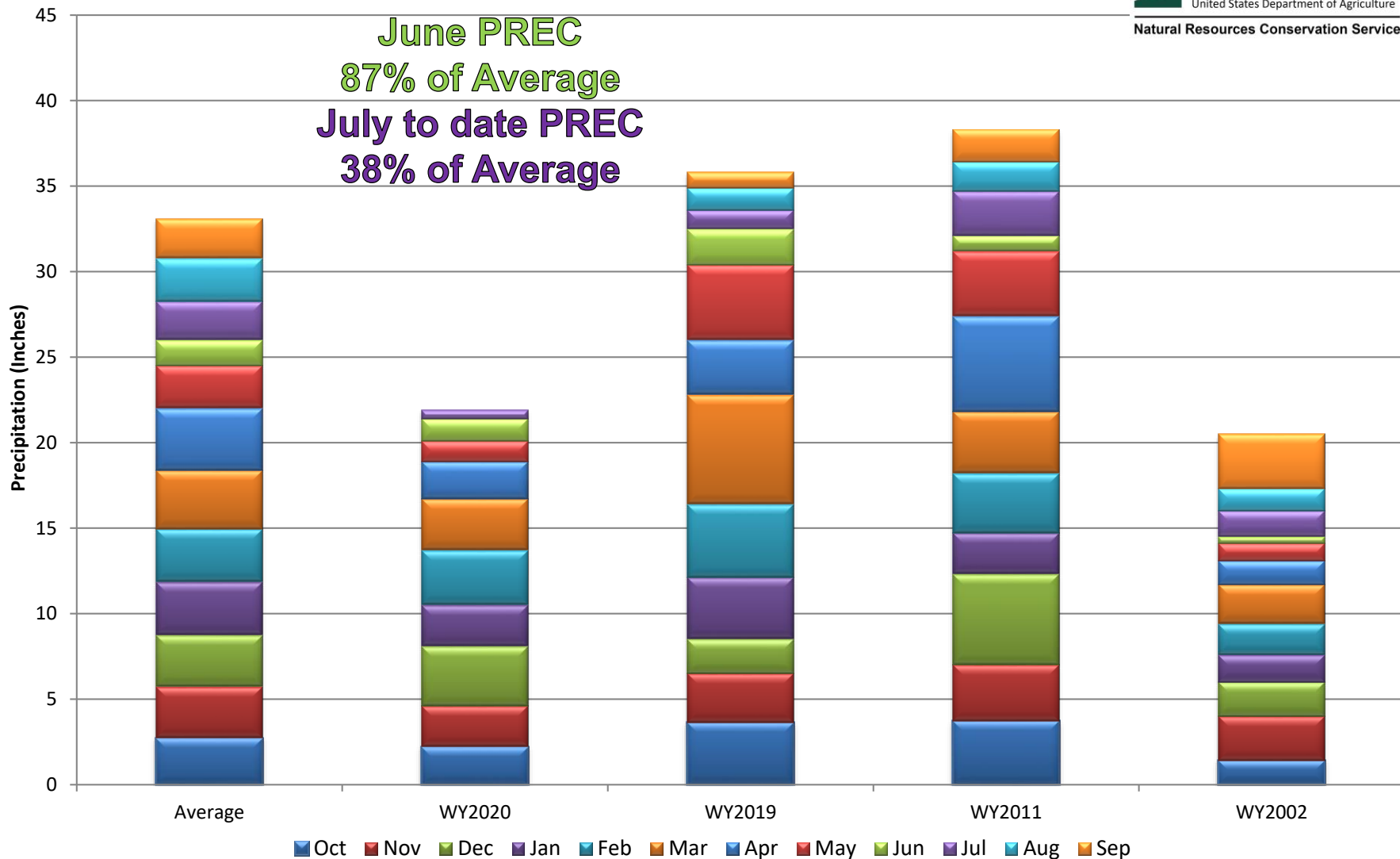
United States Department of Agriculture

Natural Resources Conservation Service



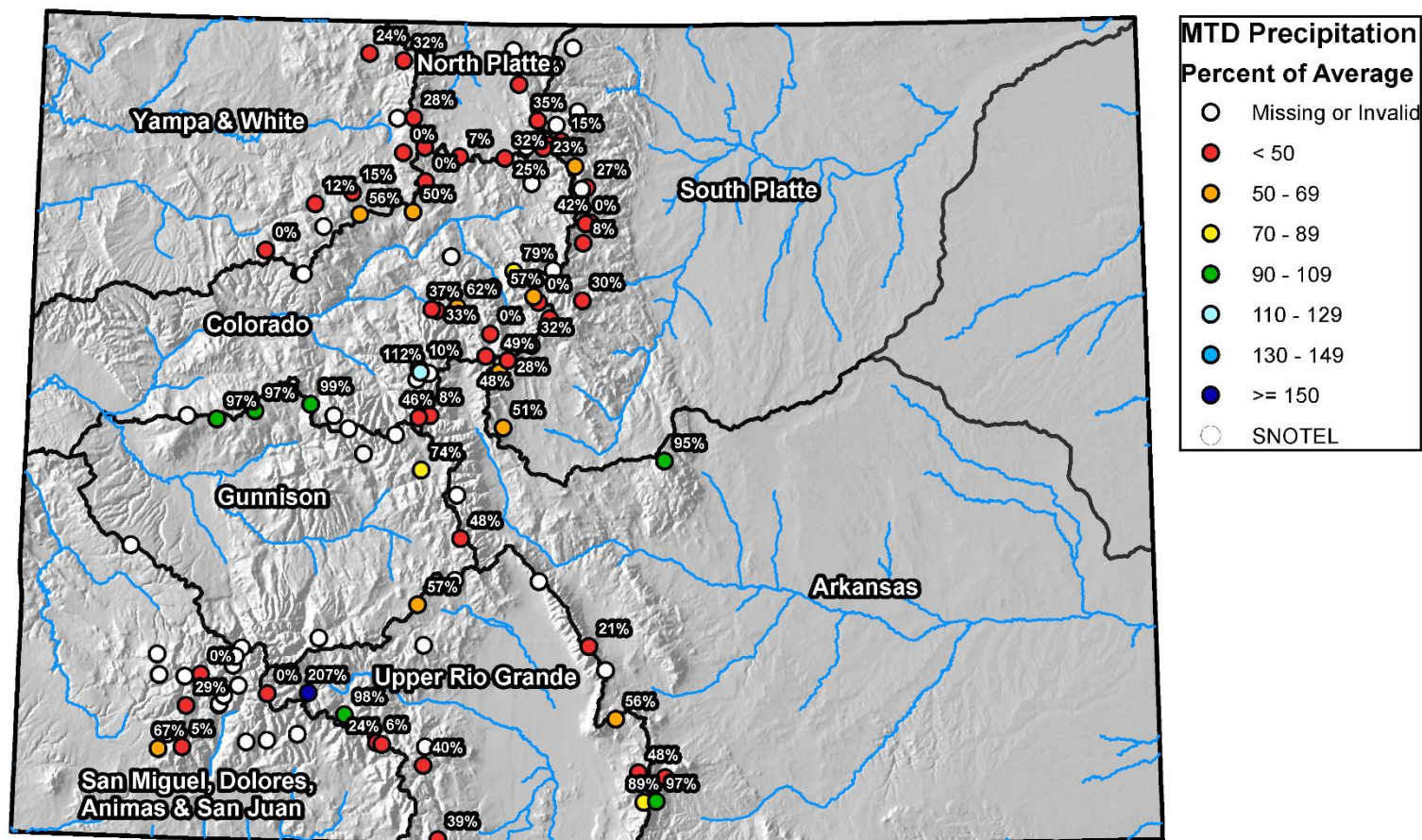
Colorado Statewide High/Low Monthly Precipitation Summary

Based on Provisional SNOTEL data as of Jul 22, 2020



Colorado SNOTEL Month-to-Date Precipitation

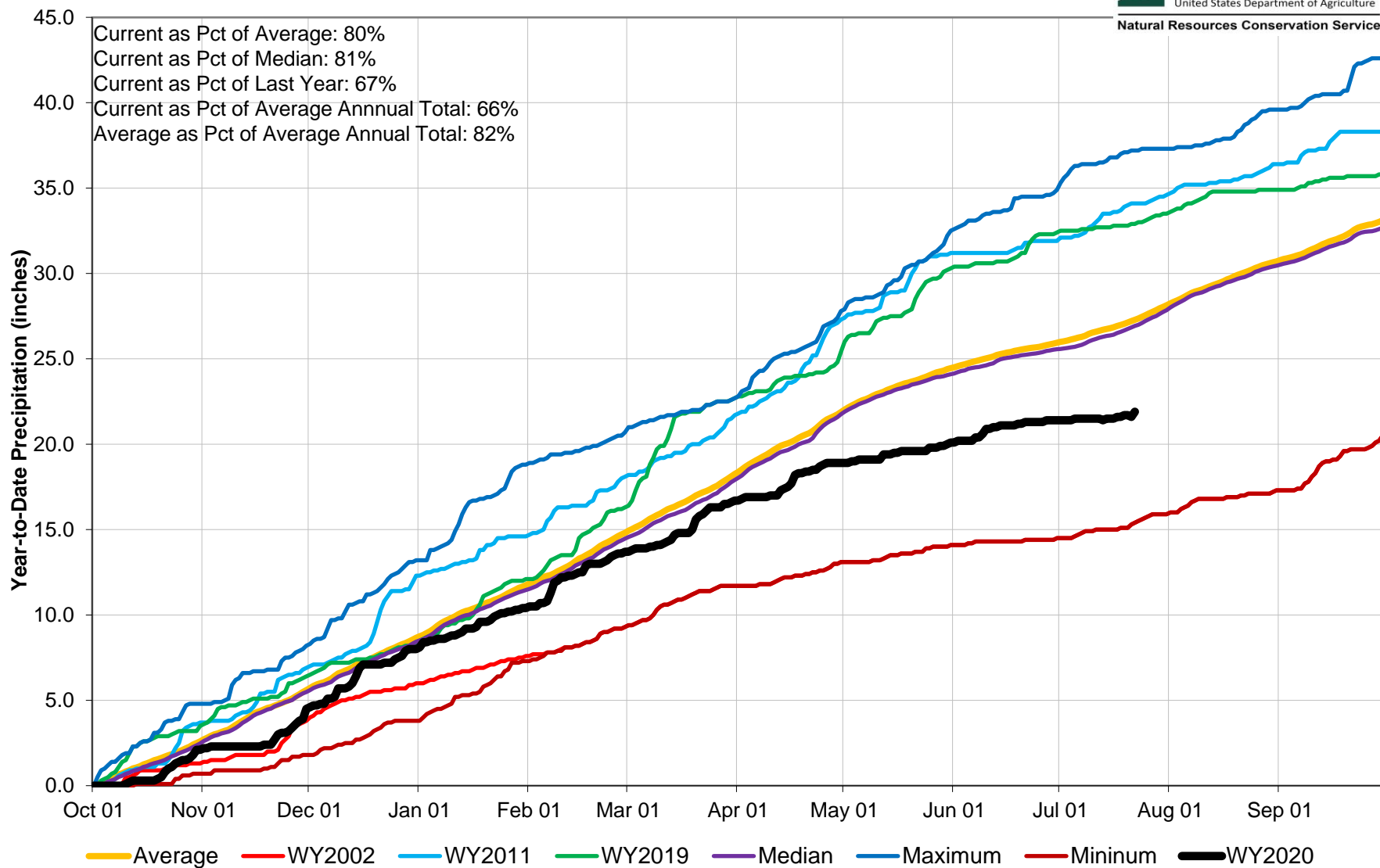
Current as of Jul 22, 2020





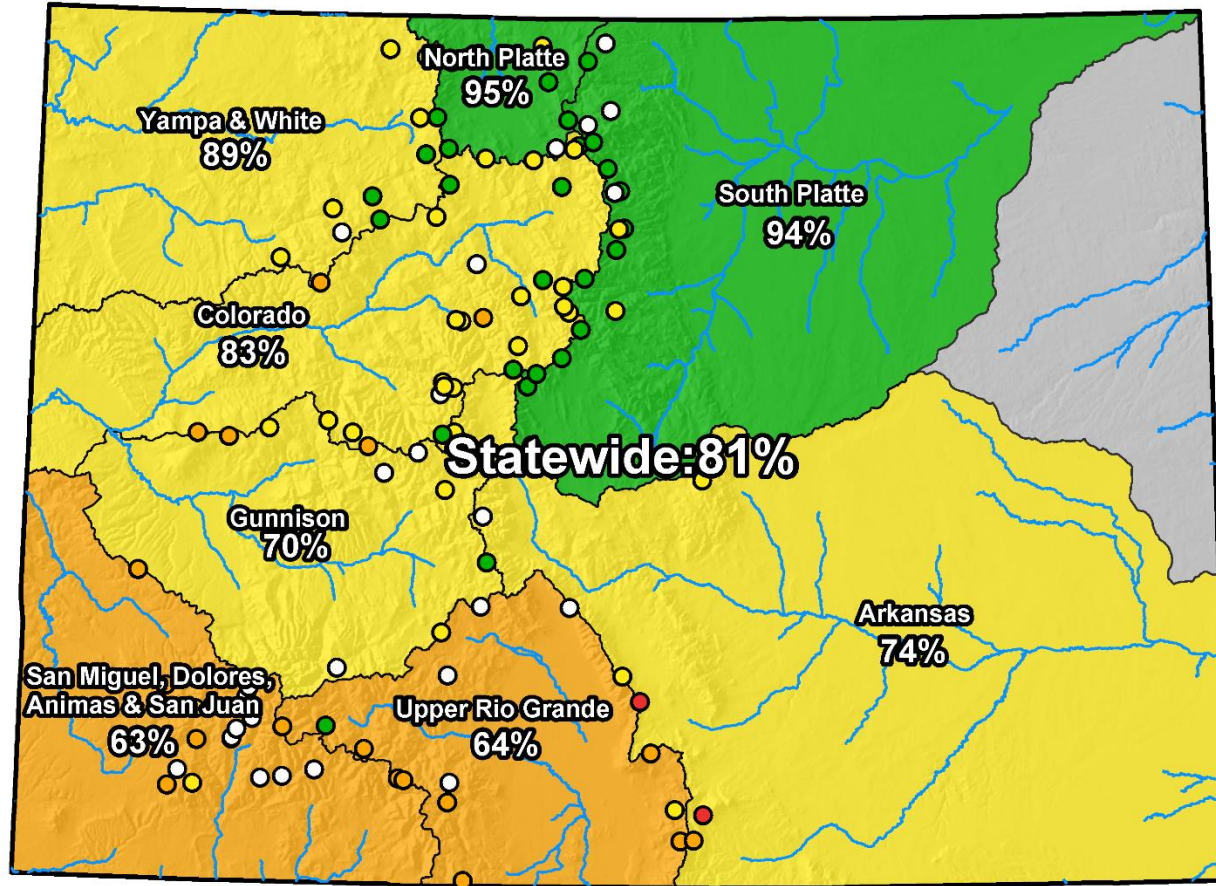
Colorado Statewide High/Low Year-to-Date Precipitation Summary

Based on Provisional SNOTEL data as of Jul 22, 2020



Colorado SNOTEL Water Year to Date Precipitation

Current as of Jul 22, 2020



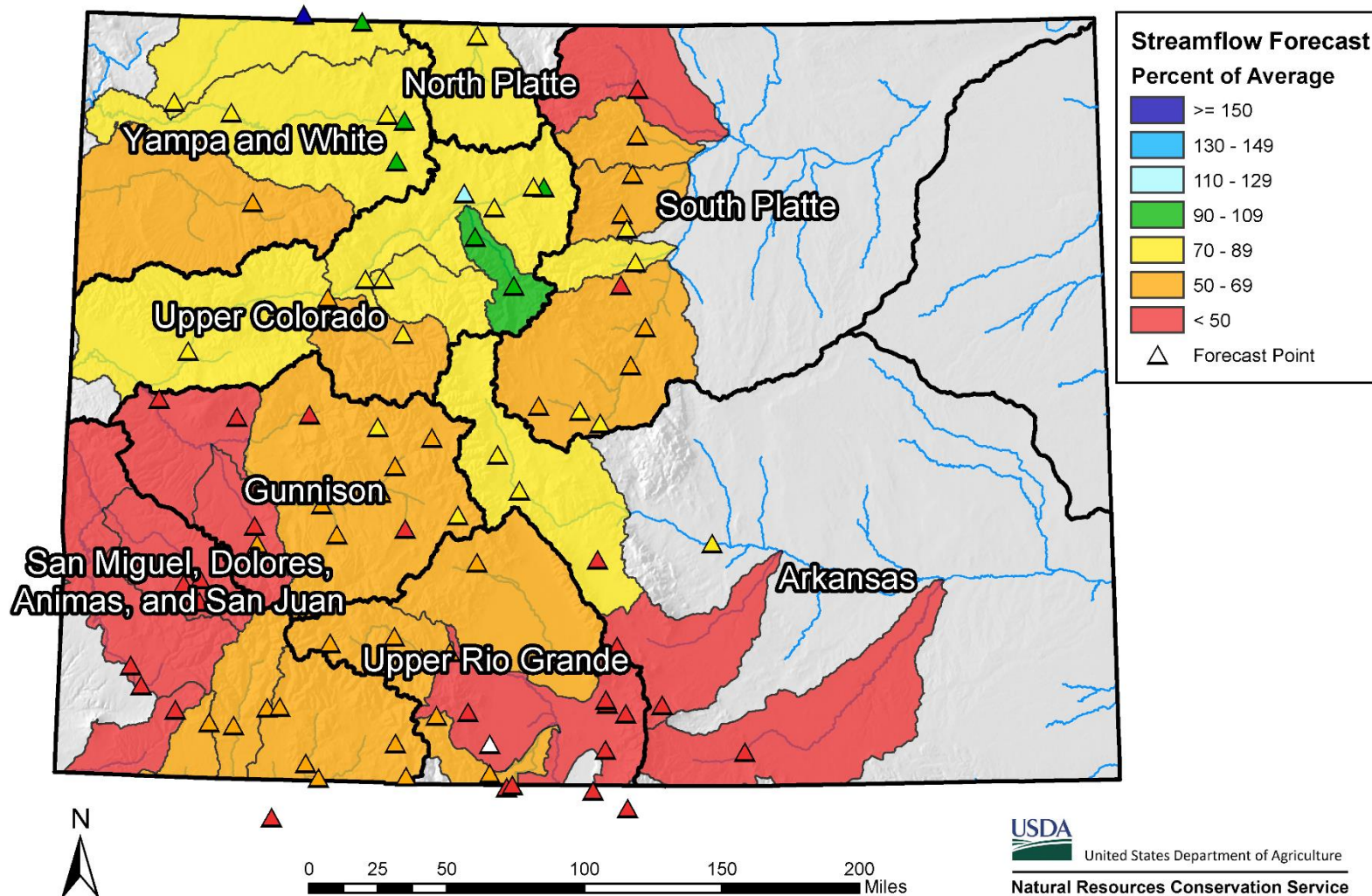
WYTD Precipitation Percent of Average

- Missing or Invalid
- < 50
- 50 - 69
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- SNOTEL



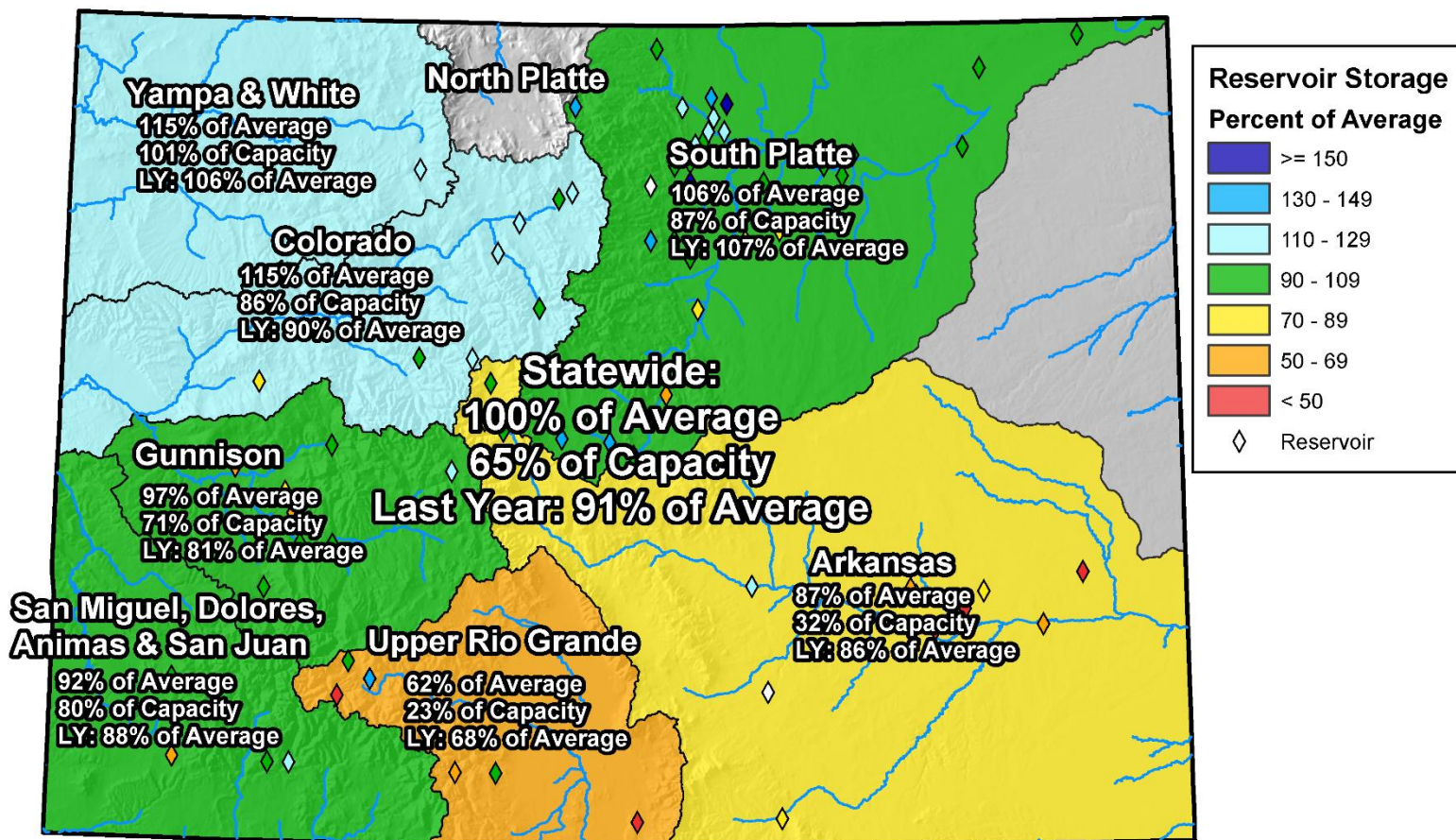
0 25 50 100 150 200 Miles

Colorado Streamflow Forecasts Summary June 1, 2020



Colorado Monthly Reservoir Storage Summary

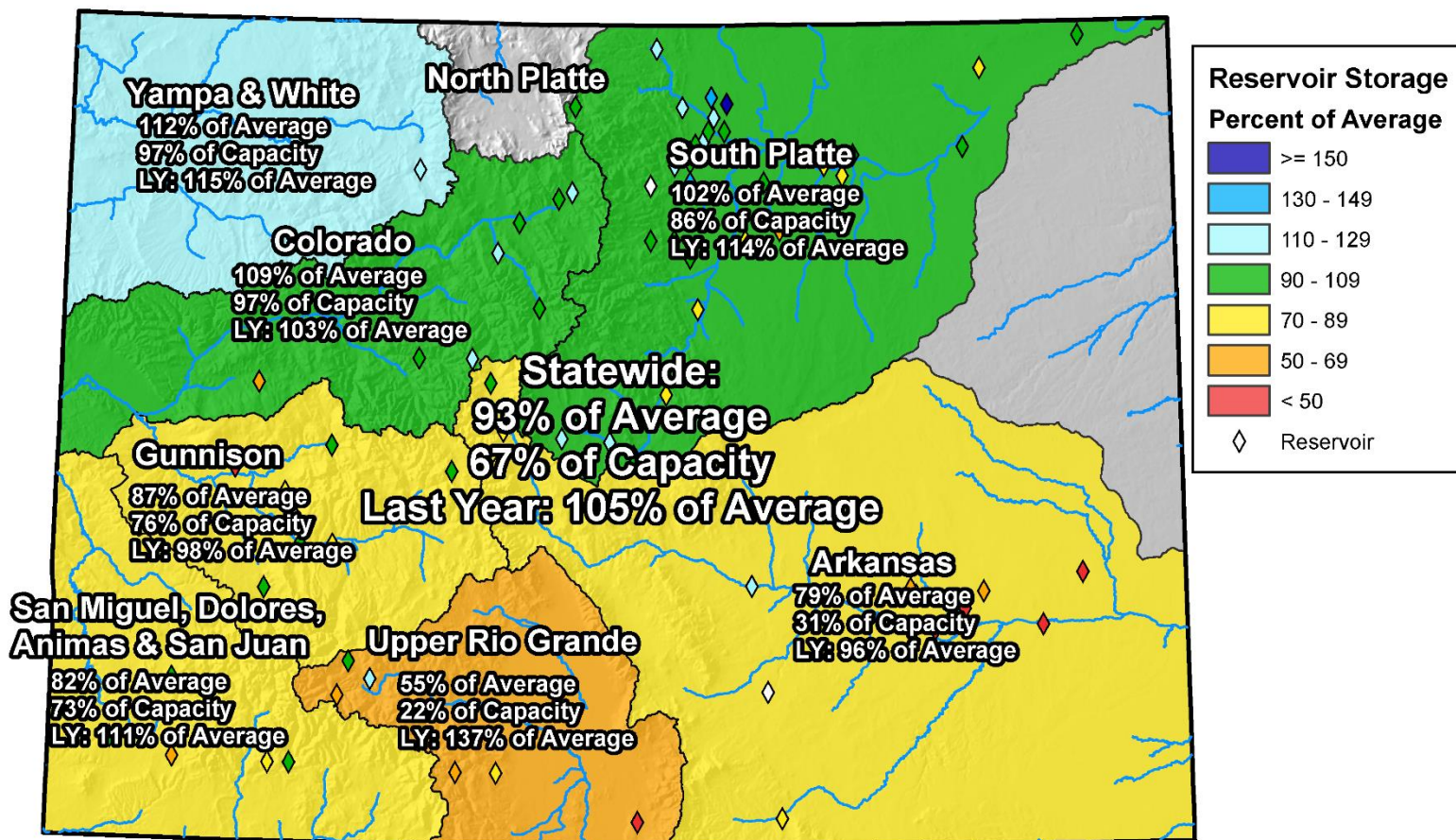
End of May 2020



0 25 50 100 150 200 Miles

Colorado Monthly Reservoir Storage Summary

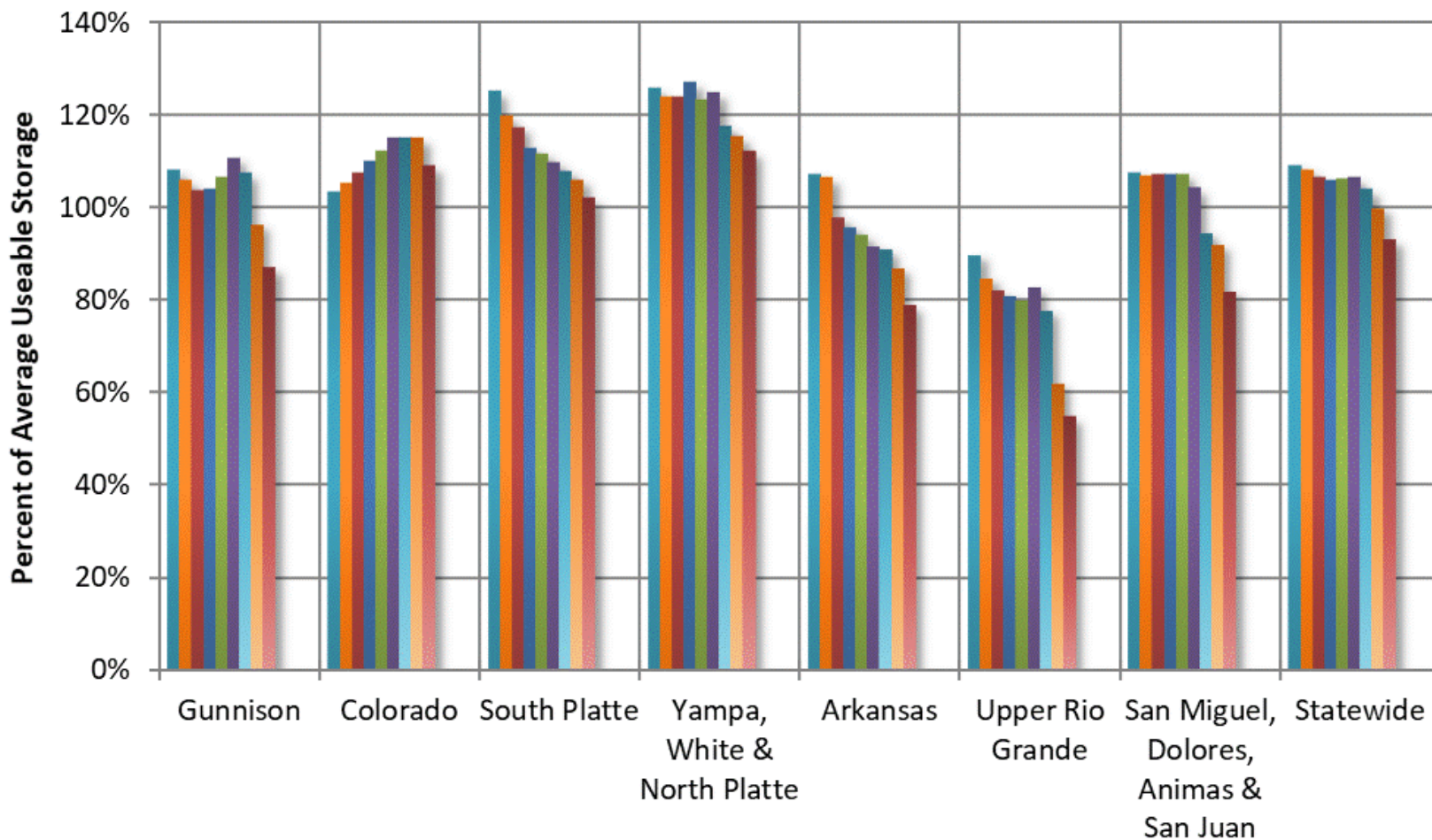
End of June 2020



0 25 50 100 150 200 Miles

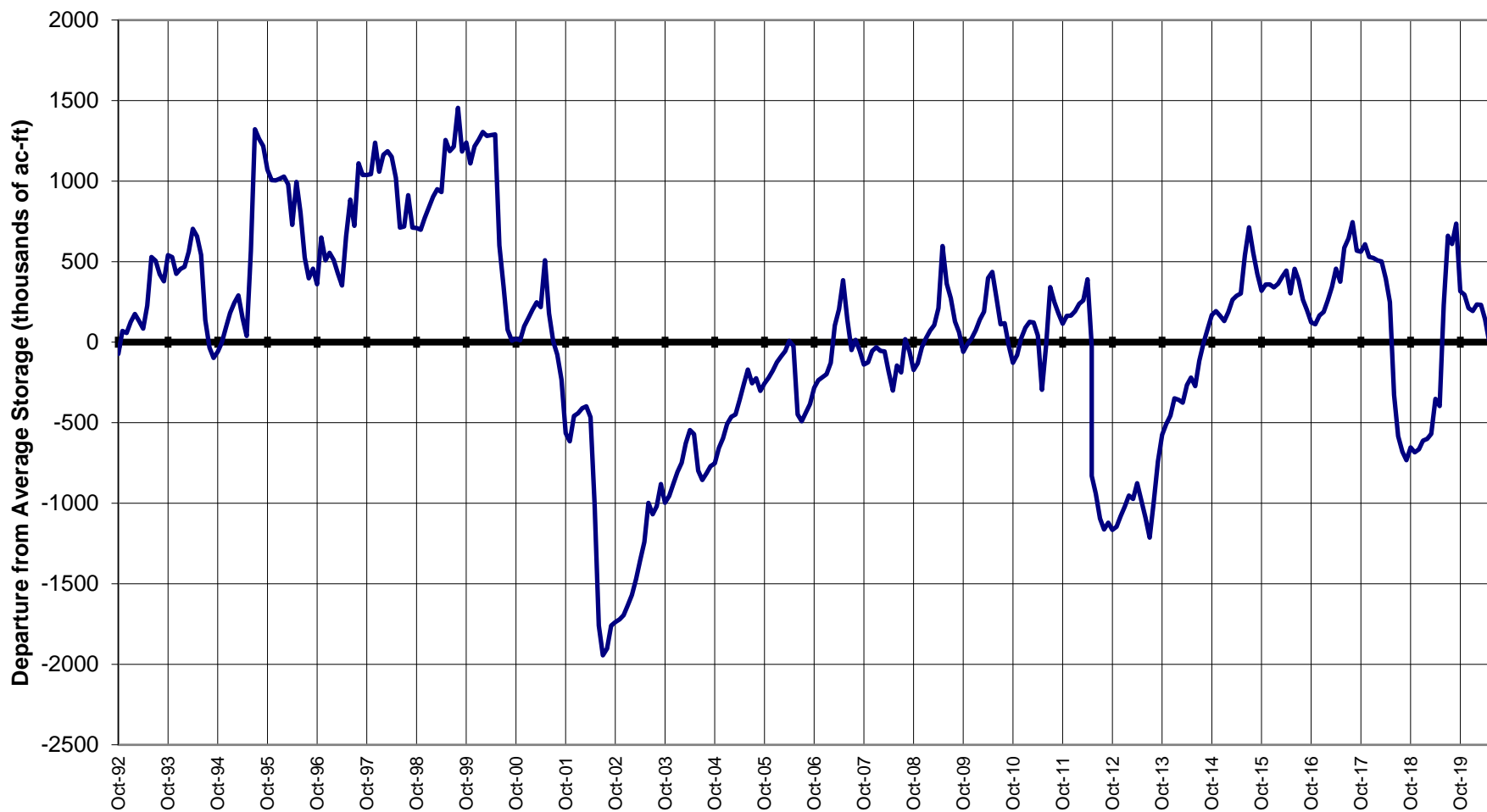
Colorado Reservoir Storage

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

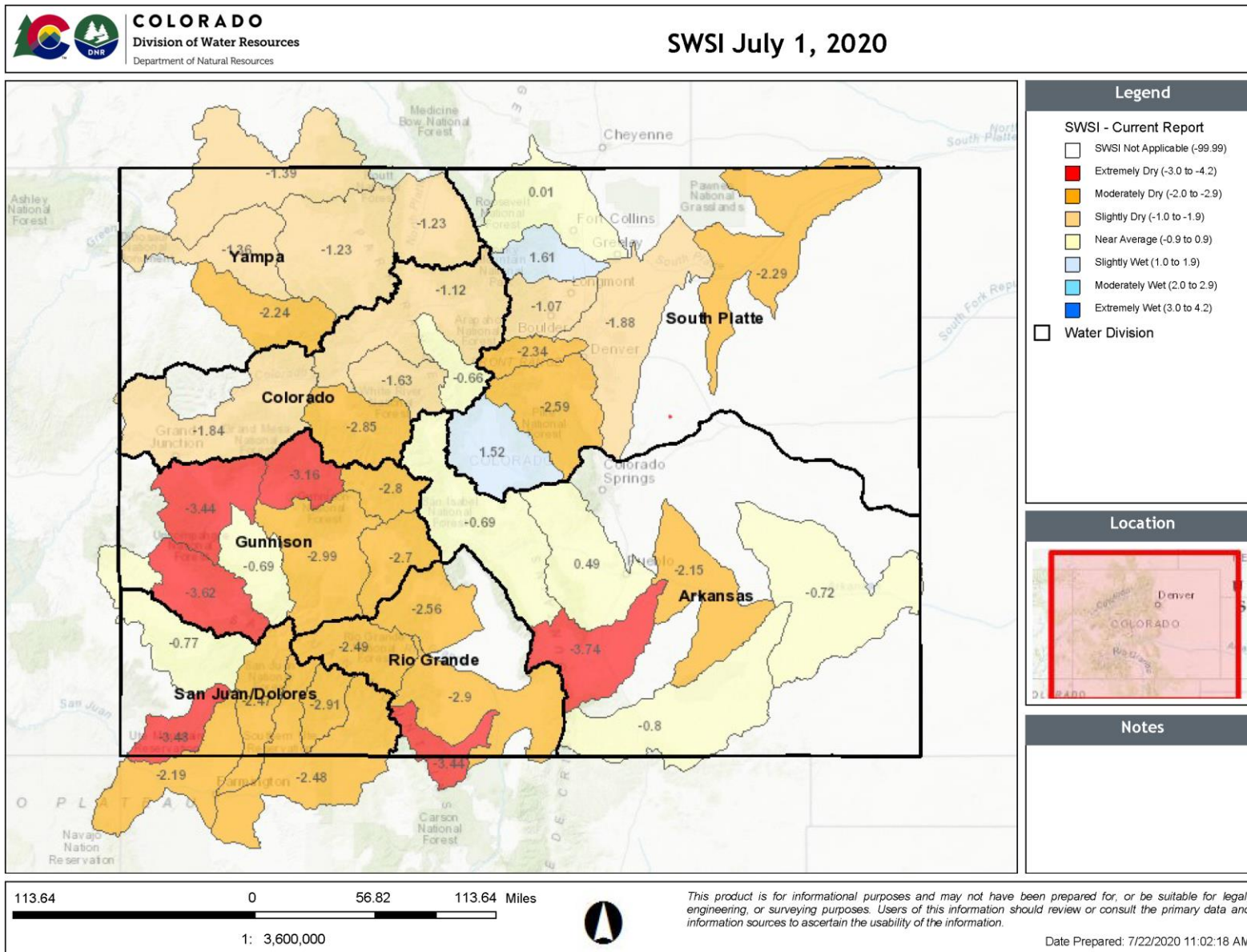




COLORADO STATEWIDE Reservoir Storage Departure from Average



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



United States Department of Agriculture

Colorado Snow Surveys

Water Availability Task Force Meeting

July 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/>



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