



United States Department of Agriculture

Colorado Snow Surveys

Water Availability Task Force Meeting

August 25th, 2020

NRCS Snow Survey and Water Supply Forecasting Program

Karl Wetlaufer

Hydrologist

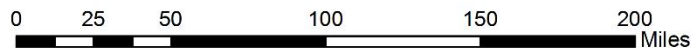
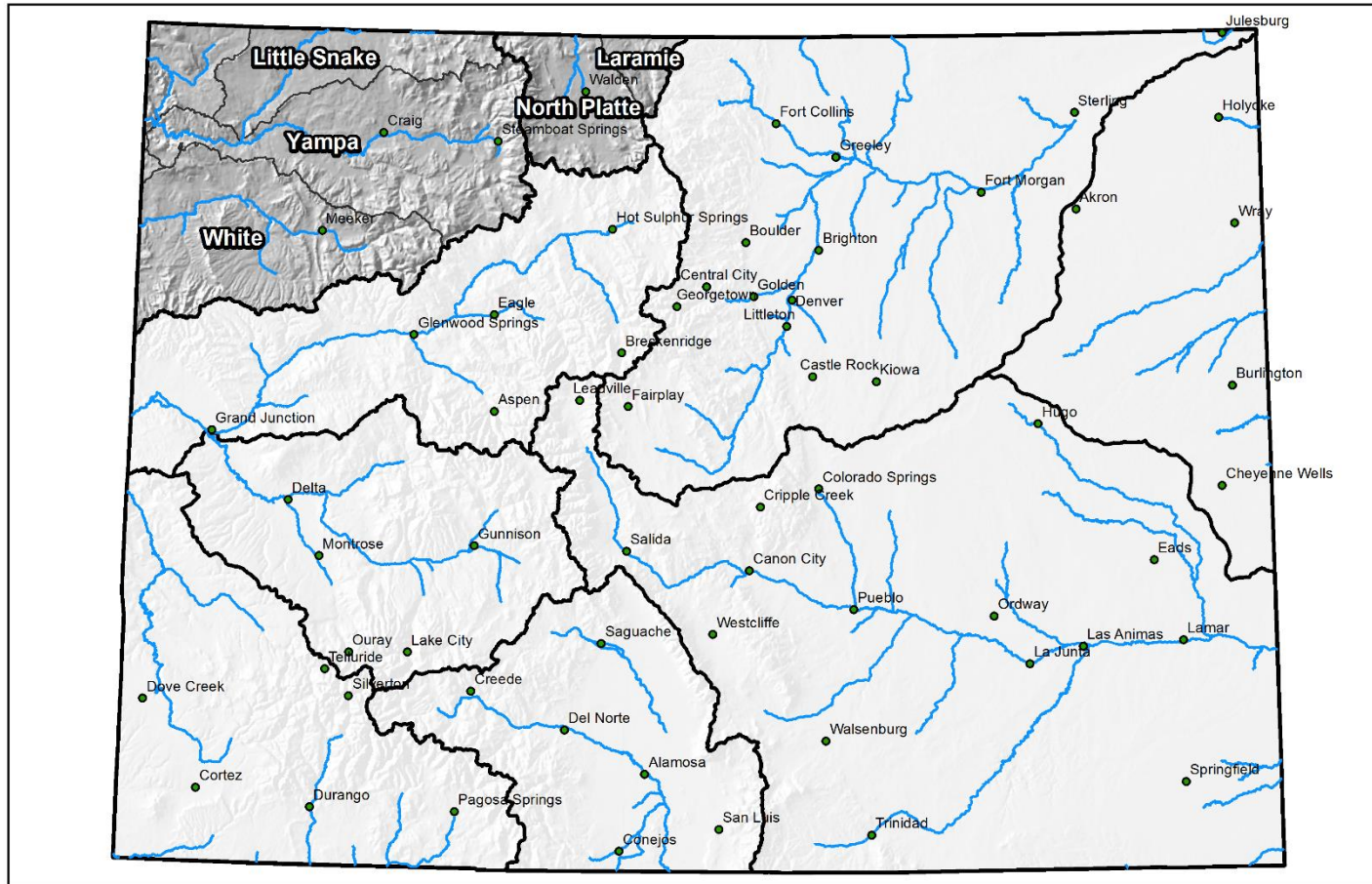
Colorado Assistant Snow Survey Supervisor

720-544-2852

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

Major Basin Summary

Yampa, White, and North Platte River Basins



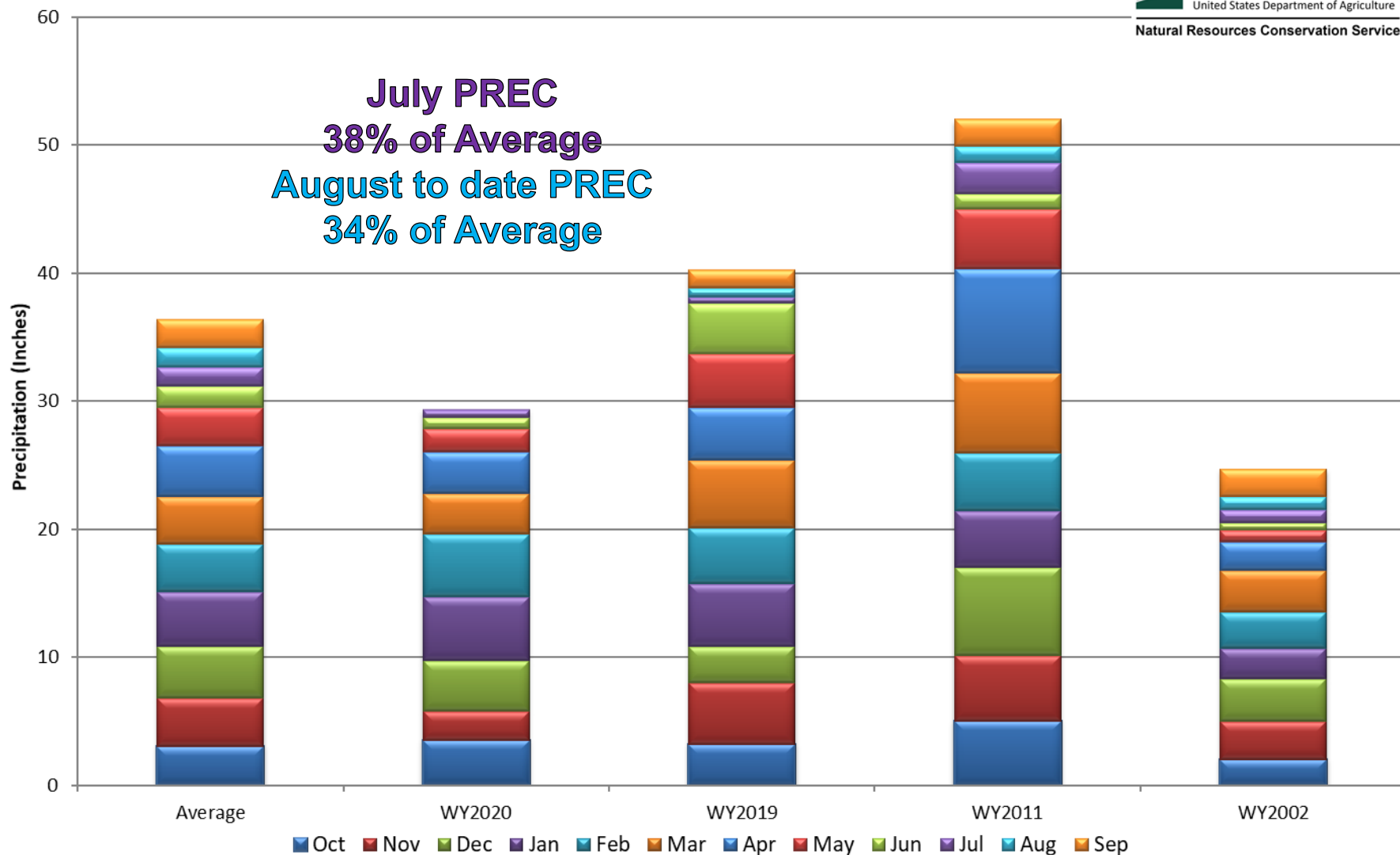
Yampa and White River Basins High/Low Monthly Precipitation Summary

Based on Provisional SNOTEL data as of Aug 24, 2020

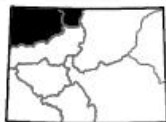
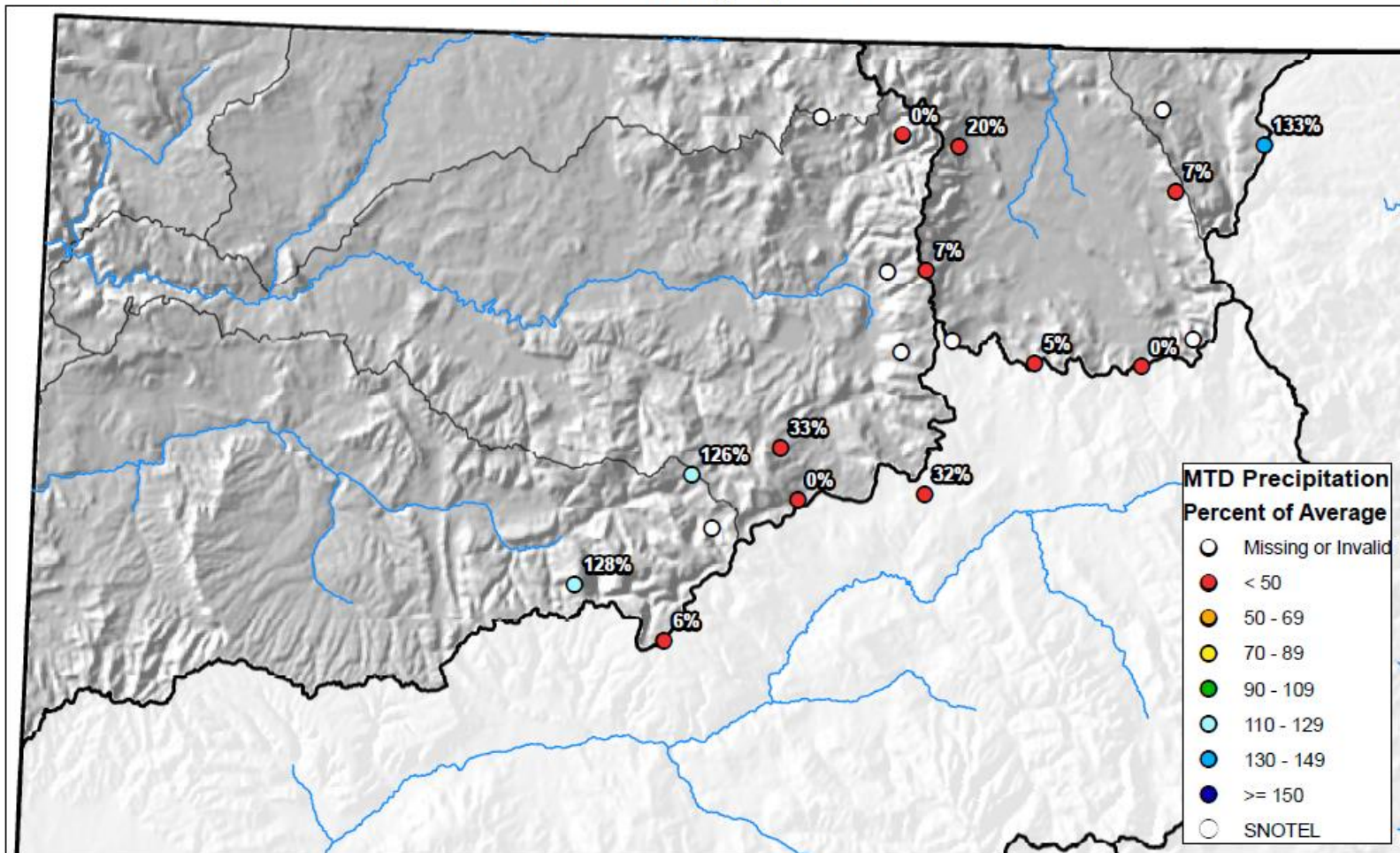


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Yampa, White, and North Platte River Basins Month to Date Precipitation Summary Current as of Aug 24, 2020



0 10 20 40 60 80 Miles

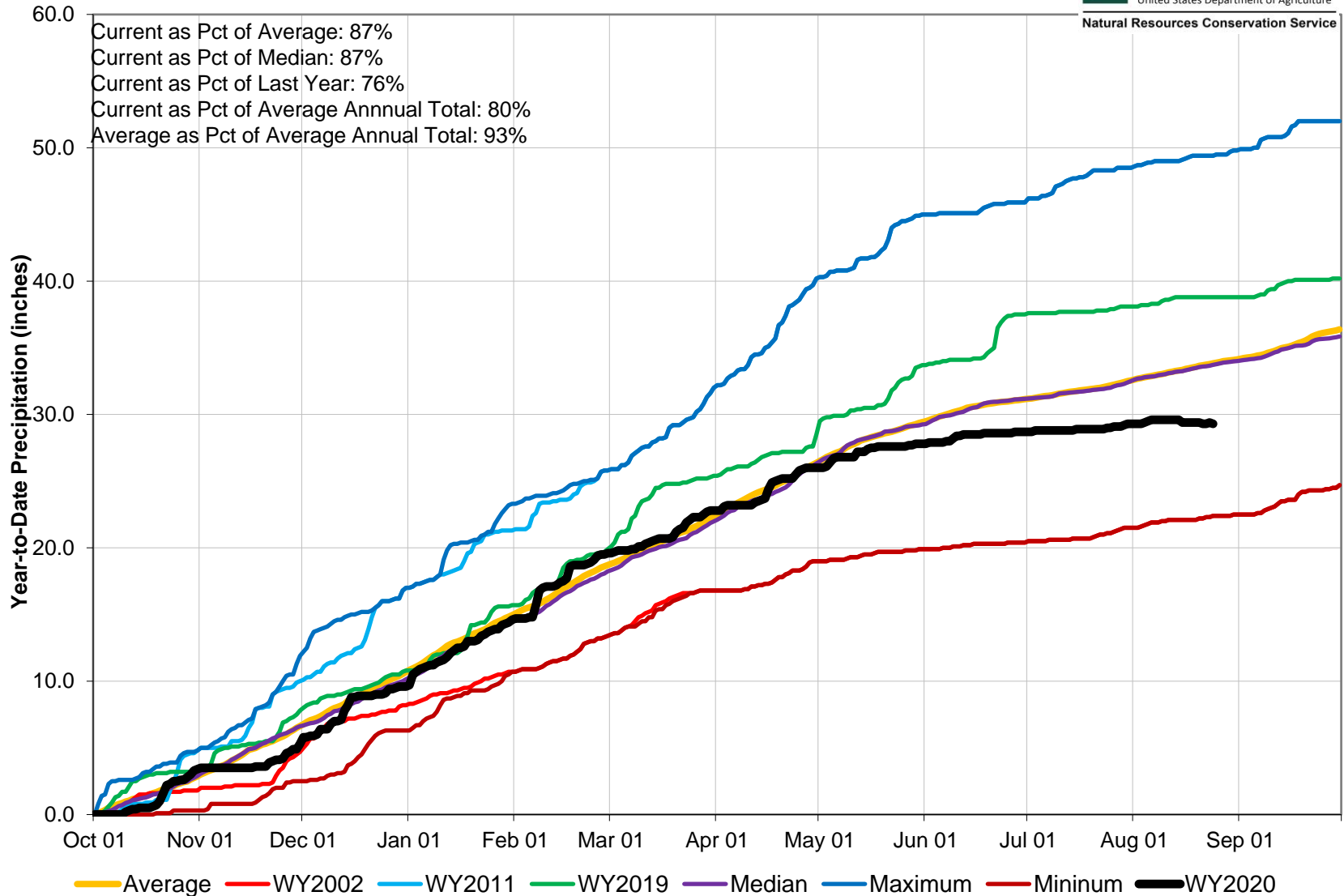
Yampa and White River Basins High/Low Year-to-Date Precipitation Summary

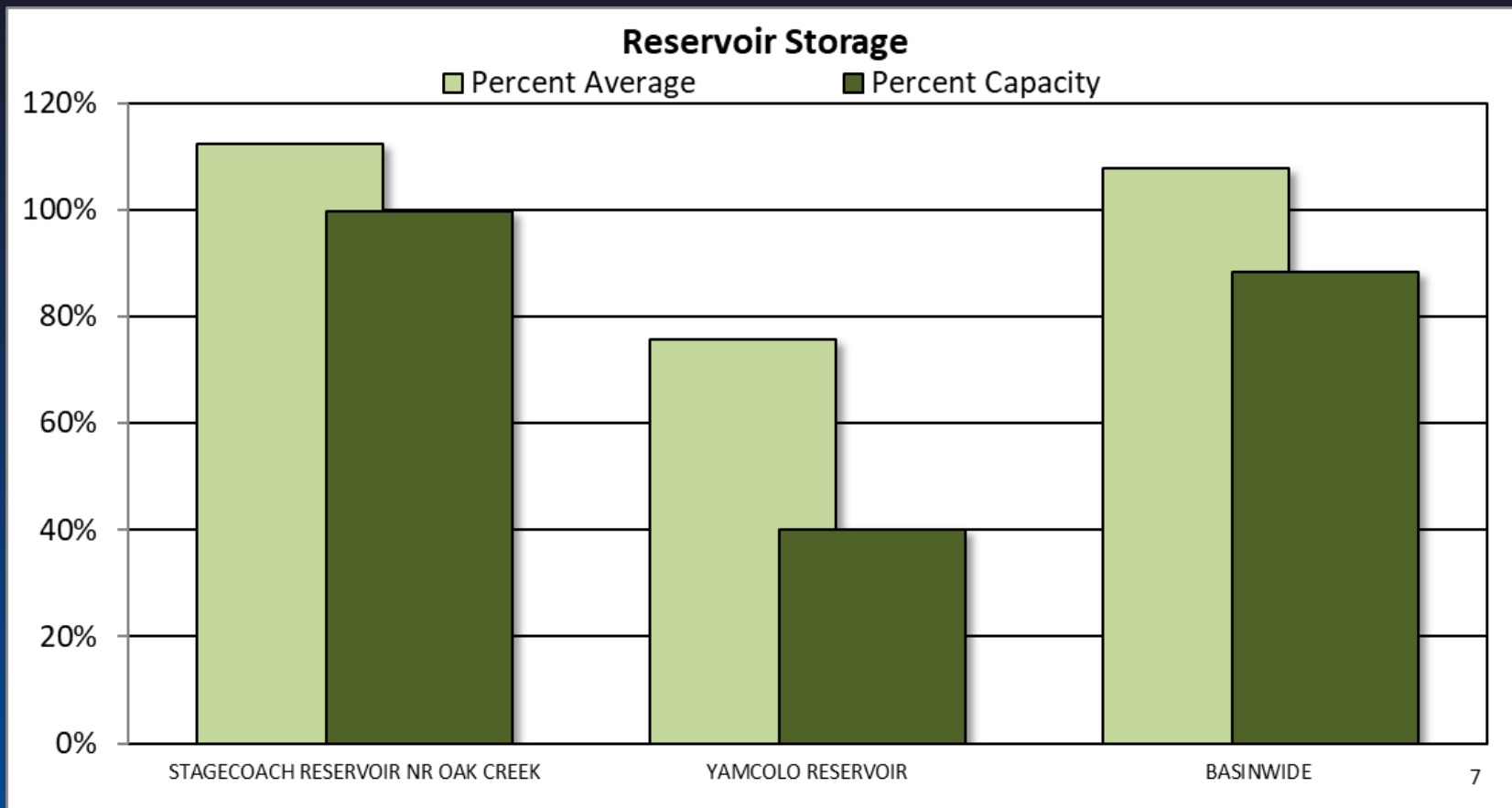
Based on Provisional SNOTEL data as of Aug 24, 2020



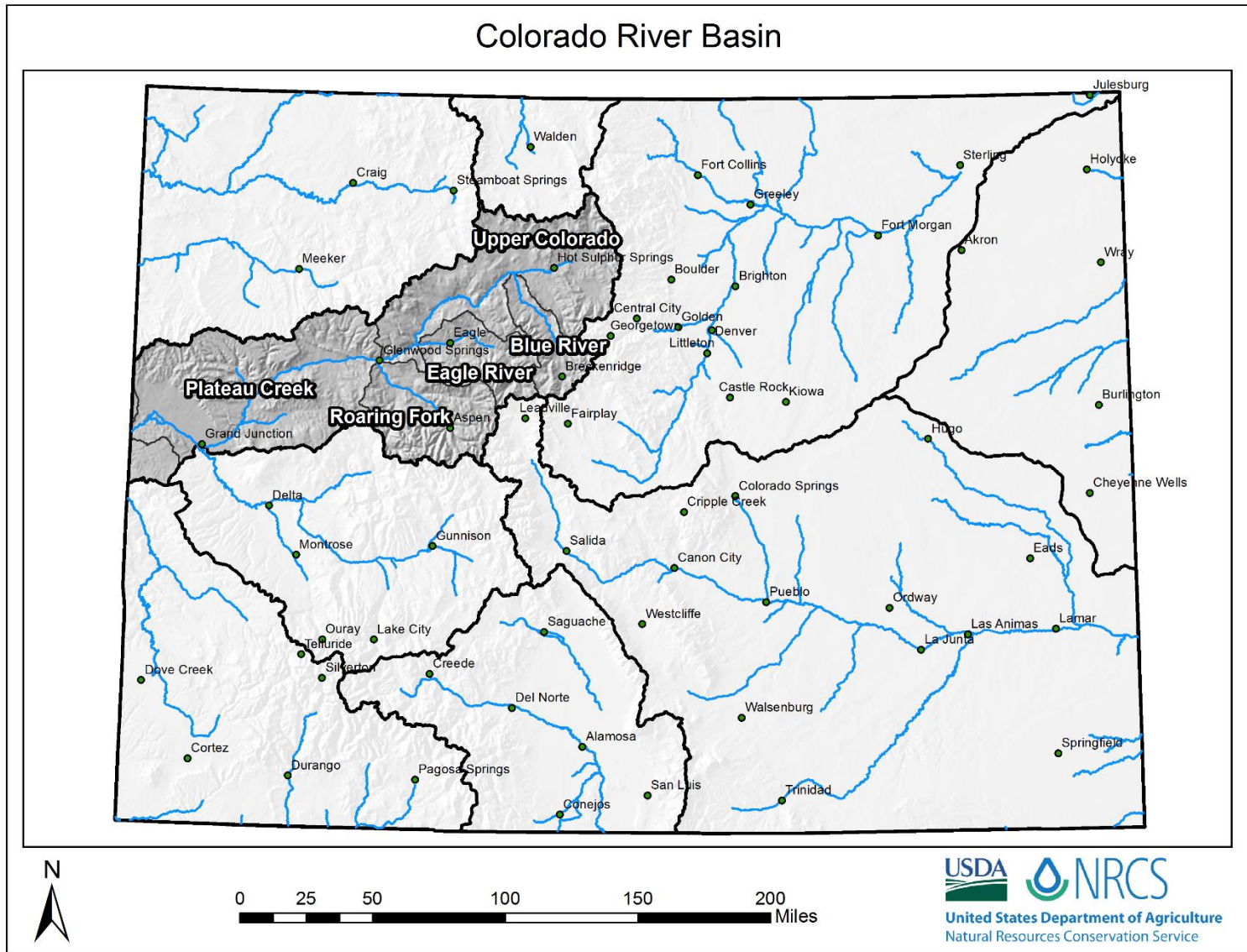
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Major Basin Summary



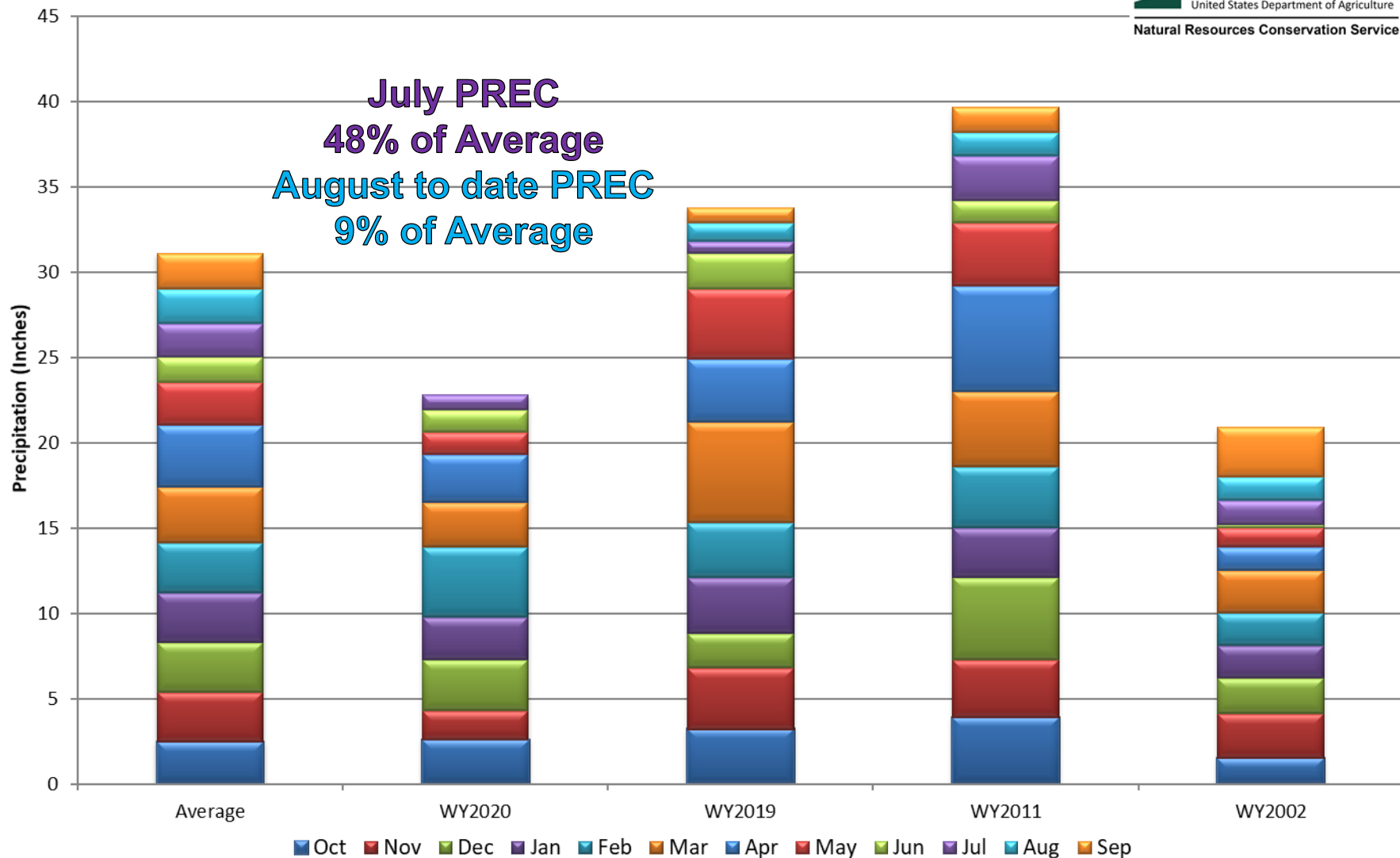
Upper Colorado River Basin High/Low Monthly Precipitation Summary

Based on Provisional SNOTEL data as of Aug 24, 2020



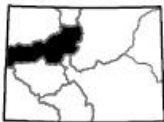
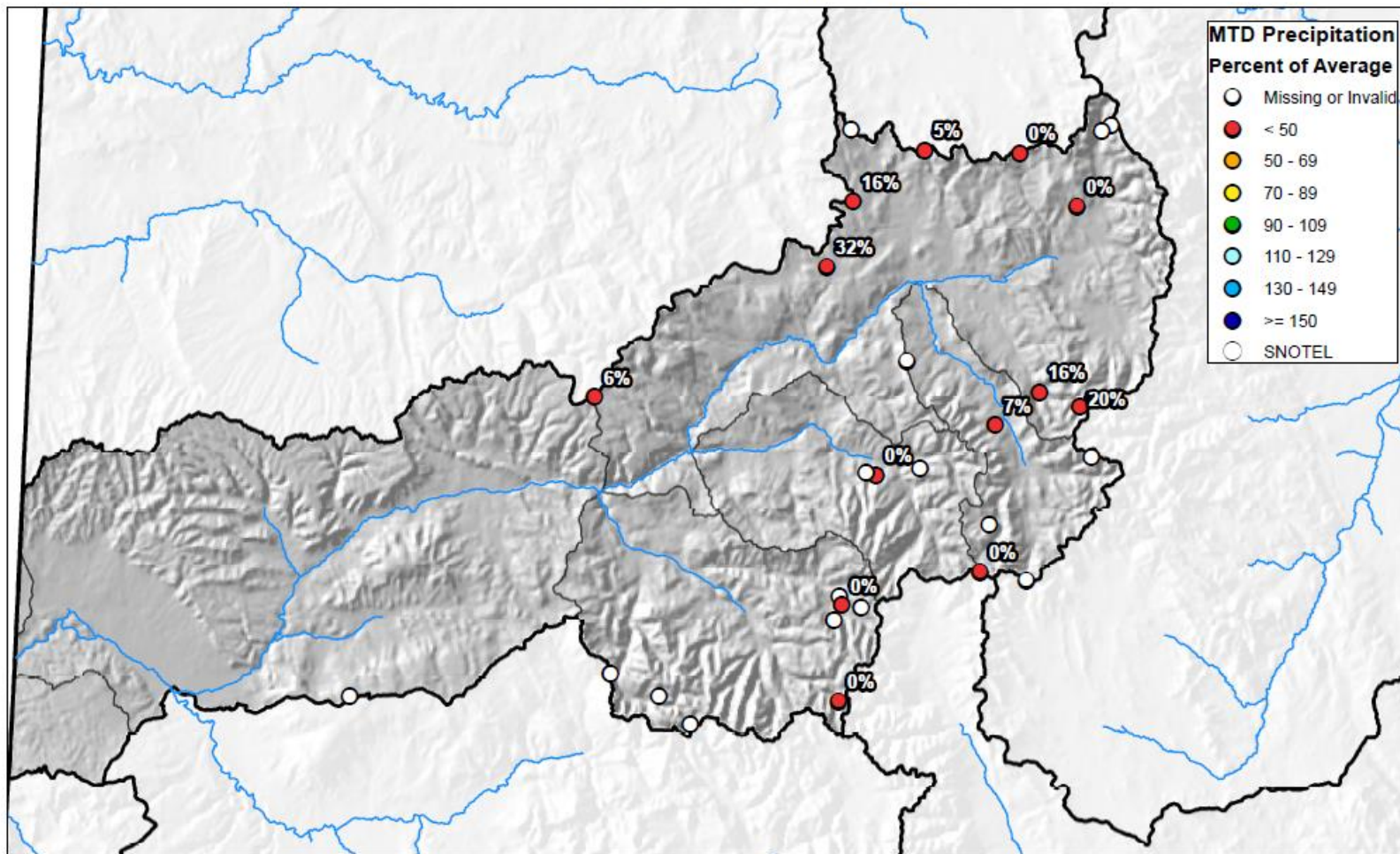
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Upper Colorado River Basin Month to Date Precipitation Summary

Current as of Aug 24, 2020



0 10 20 40 60 80 Miles

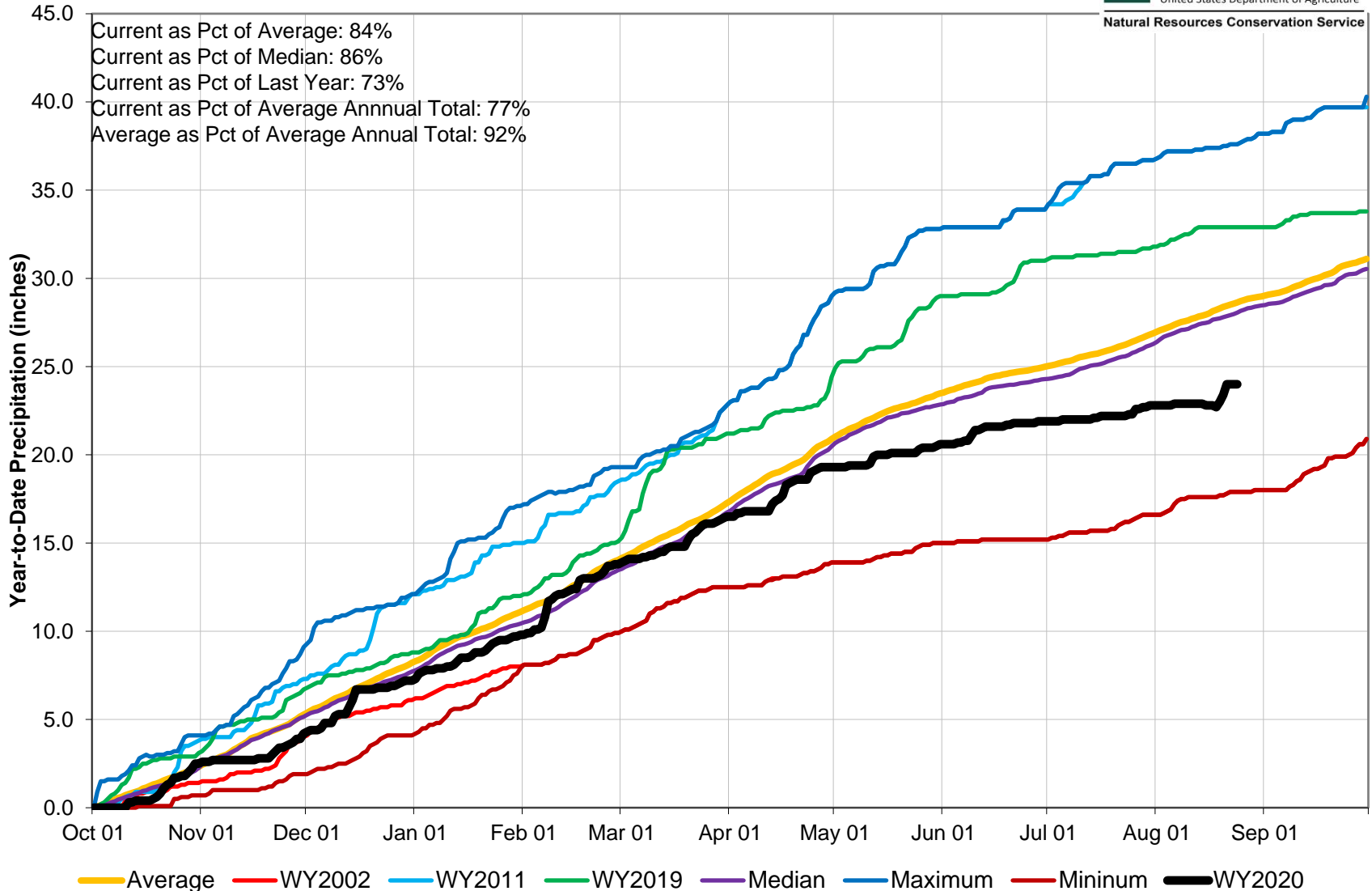


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Upper Colorado River Basin High/Low Year-to-Date Precipitation Summary

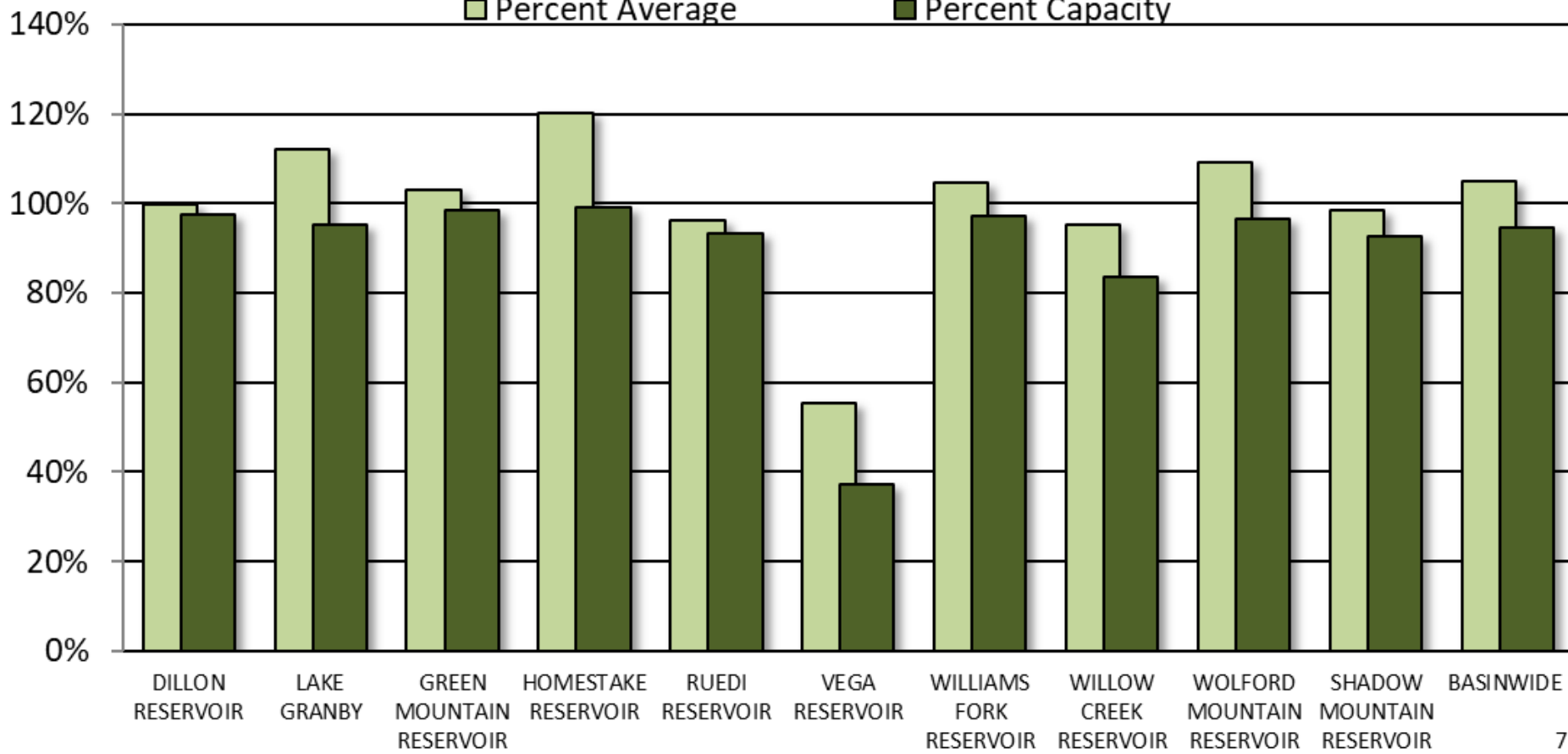
Based on Provisional SNOTEL data as of Aug 24, 2020



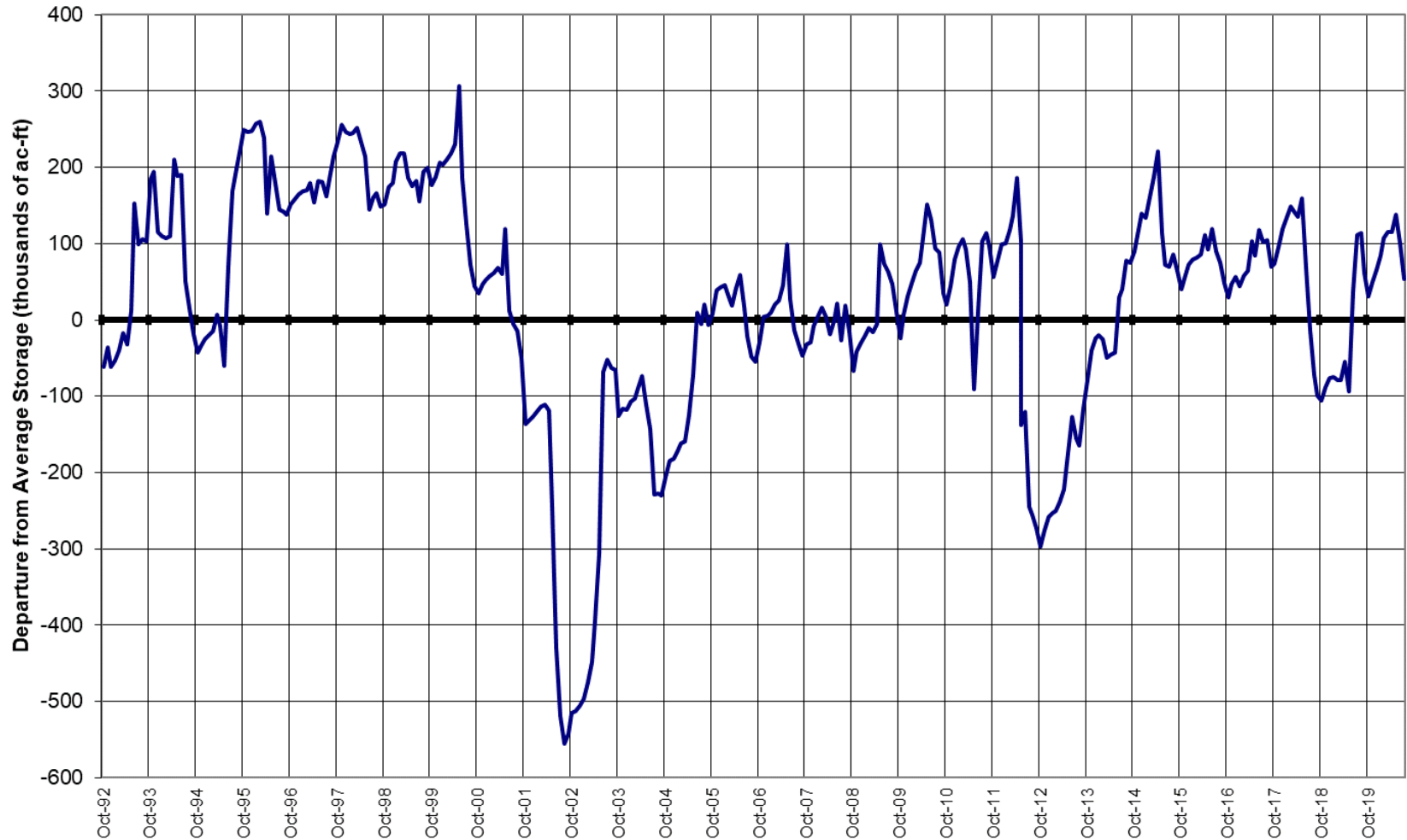
Reservoir Storage

■ Percent Average

■ Percent Capacity

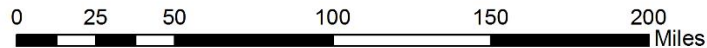
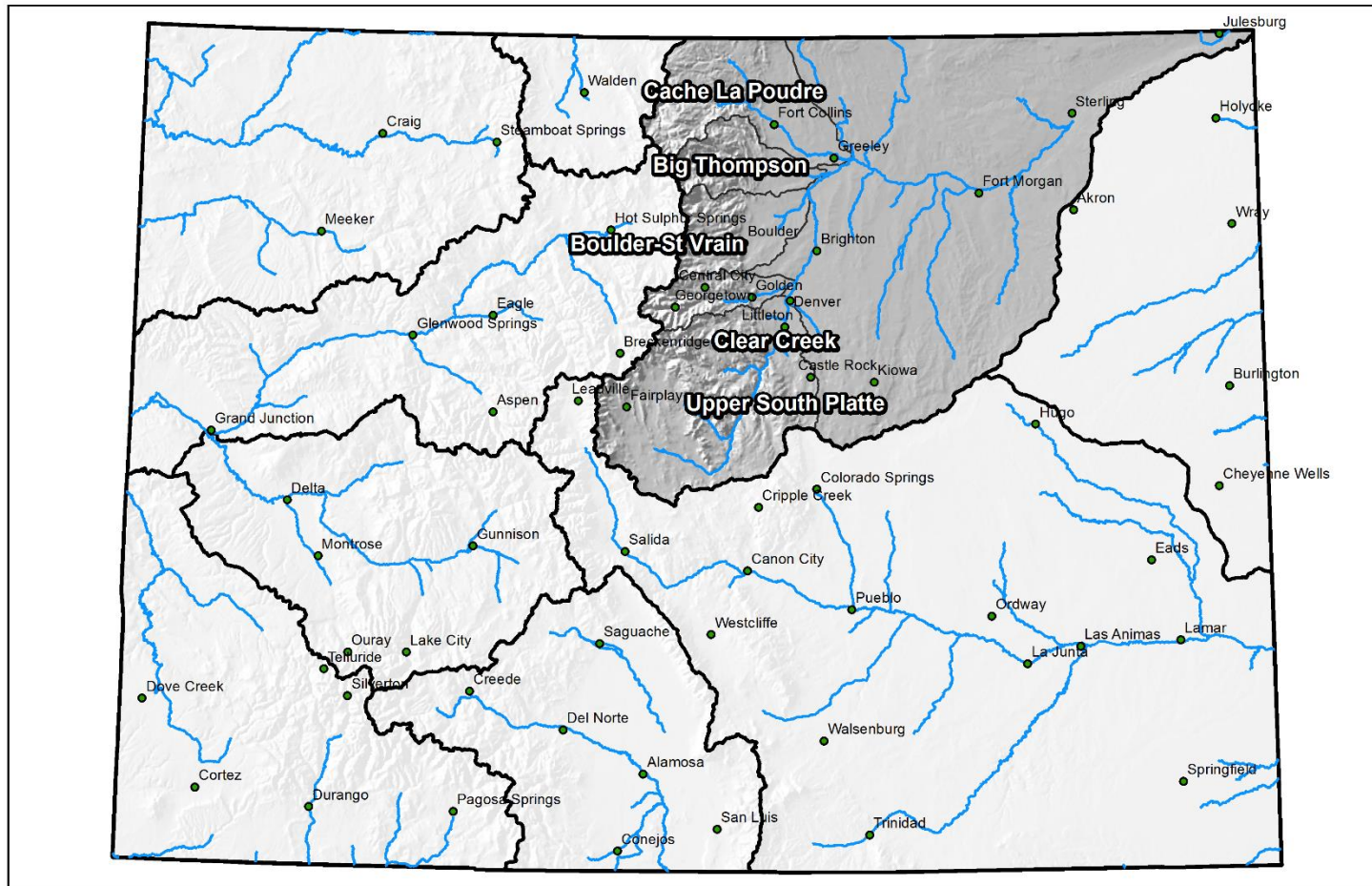


COLORADO RIVER BASIN Reservoir Storage Departure from Average



Major Basin Summary

South Platte River Basin



South Platte River Basin High/Low Monthly Precipitation Summary

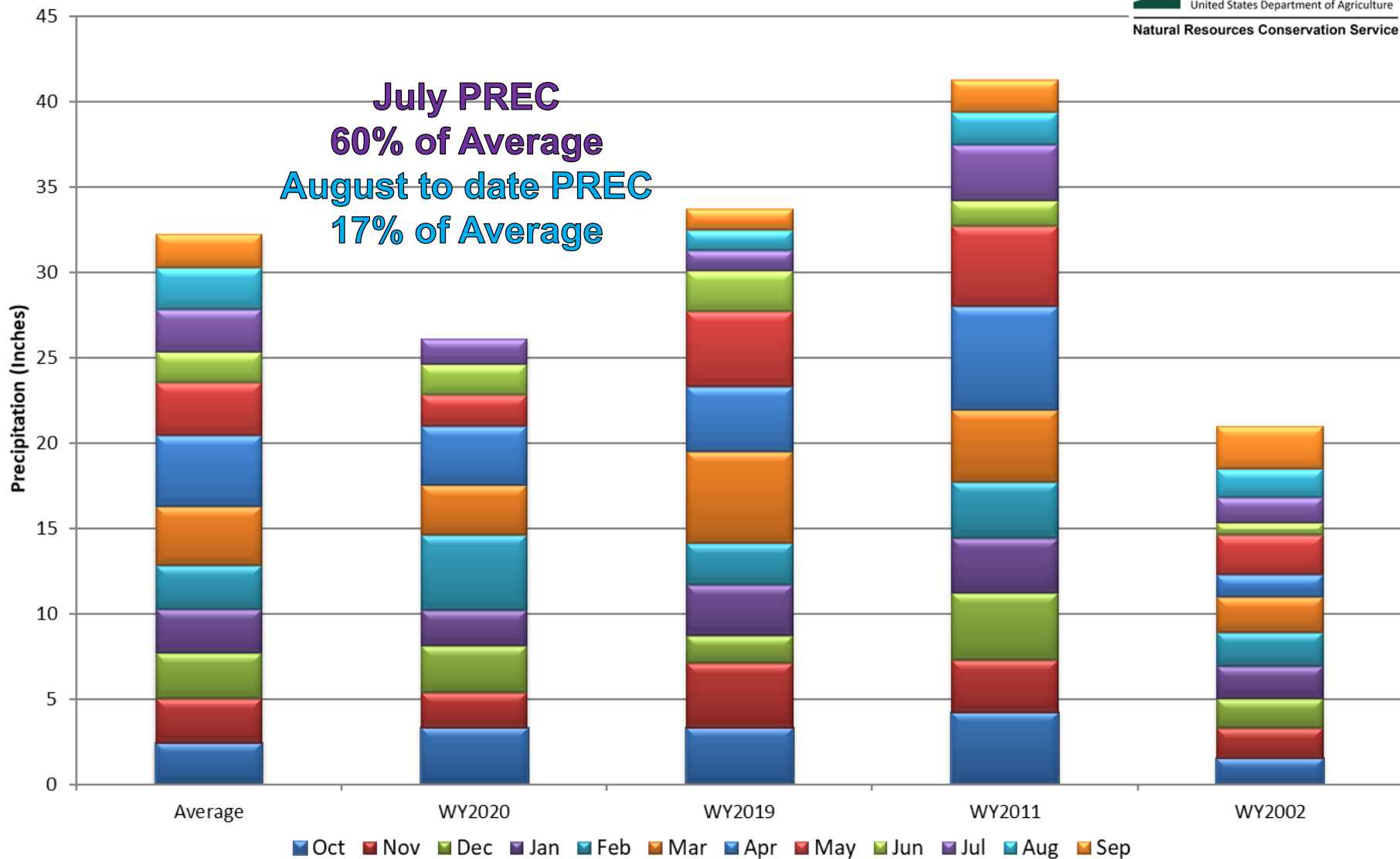
Based on Provisional SNOTEL data as of Aug 24, 2020



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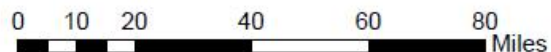
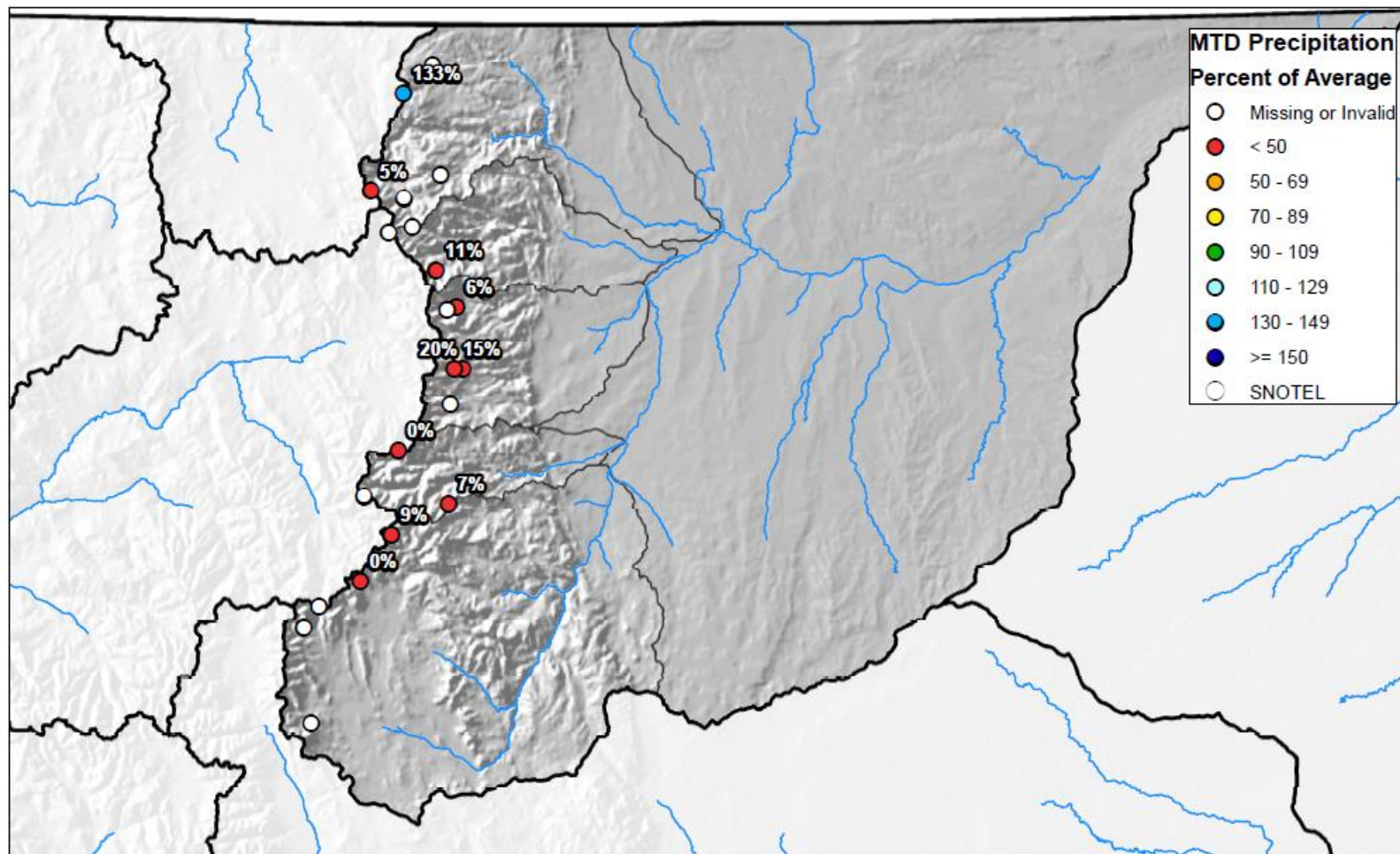
Natural Resources Conservation Service

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



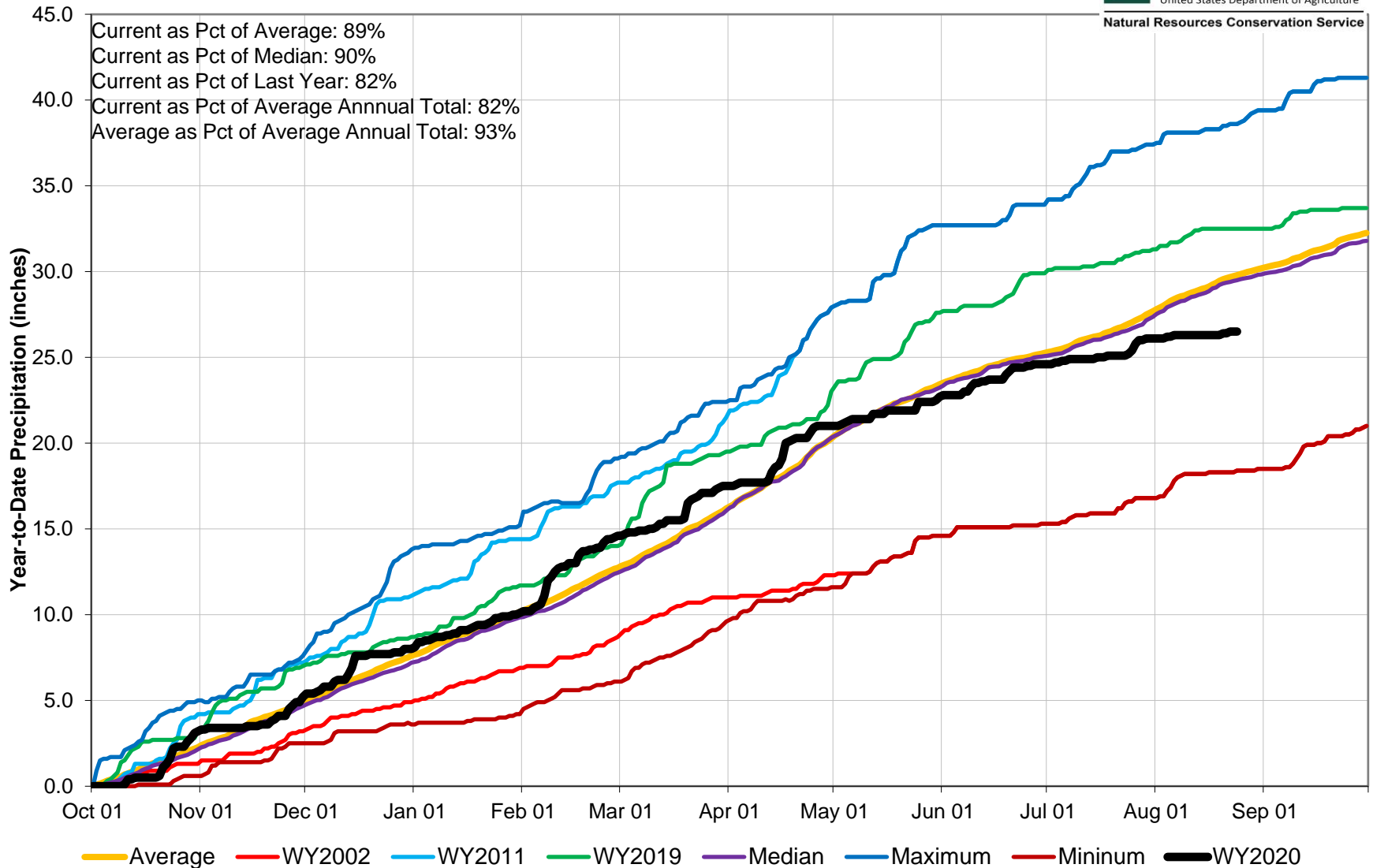
United States Department of Agriculture

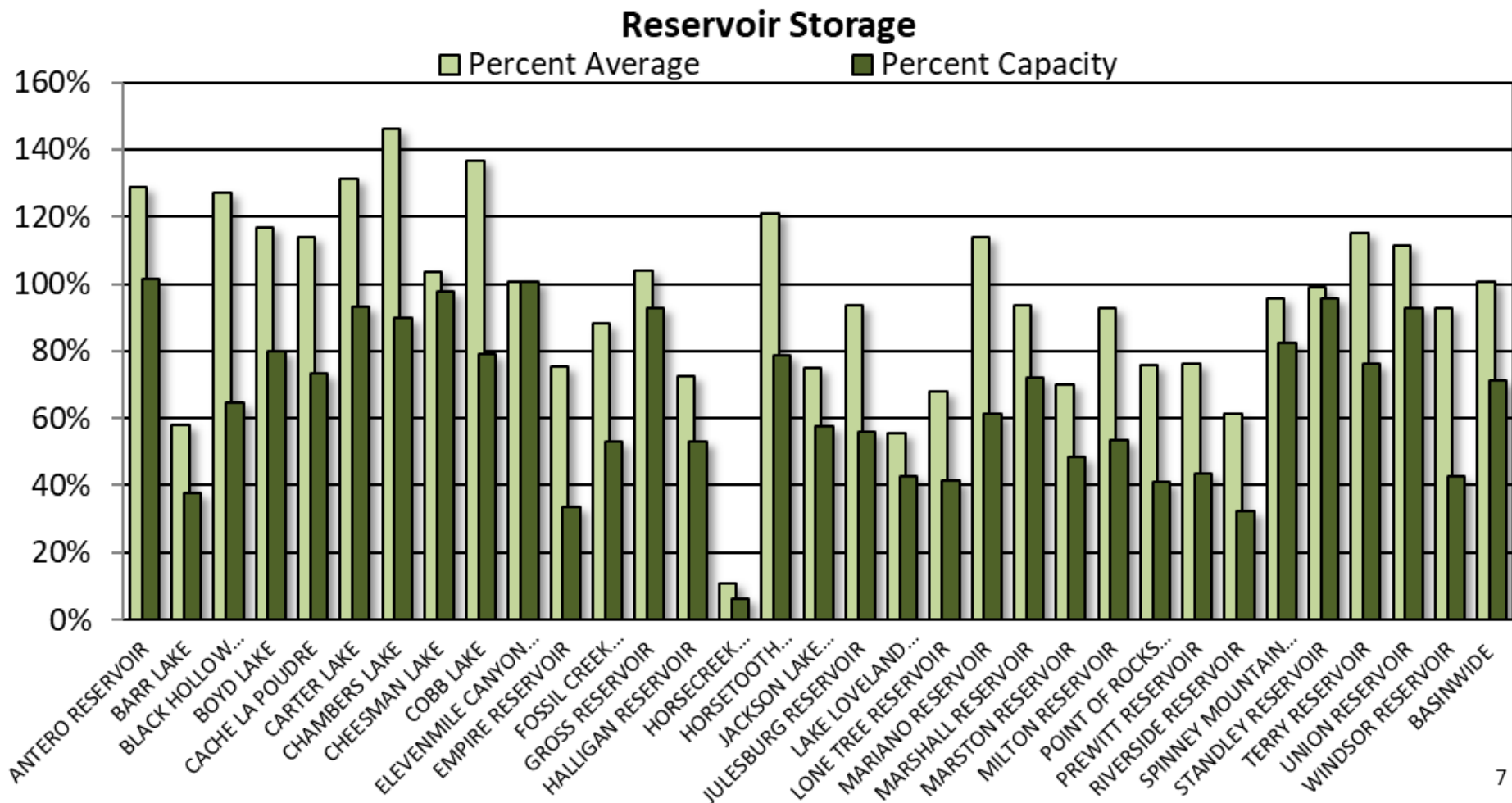
Natural Resources Conservation Service



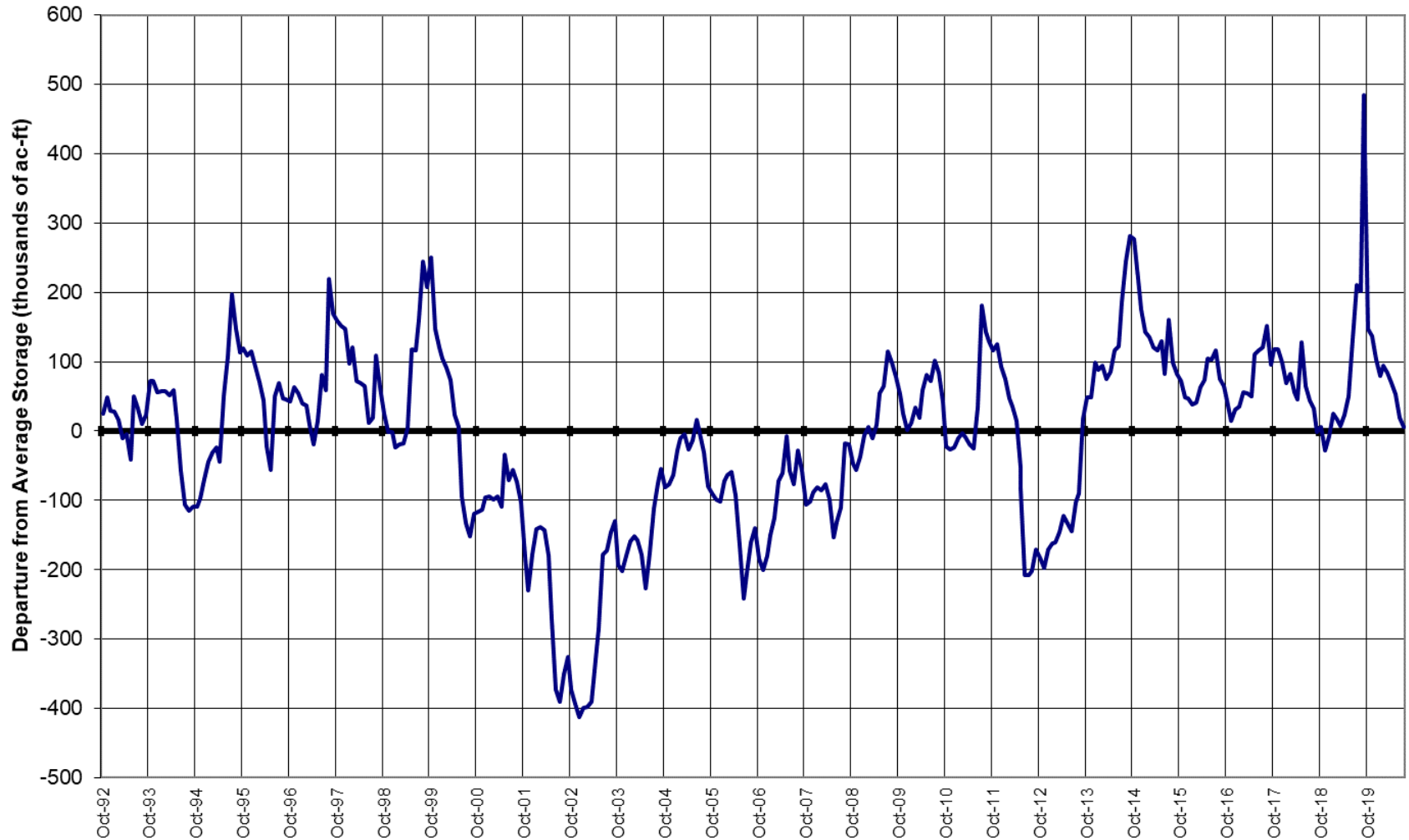
South Platte River Basin High/Low Year-to-Date Precipitation Summary

Based on Provisional SNOTEL data as of Aug 24, 2020



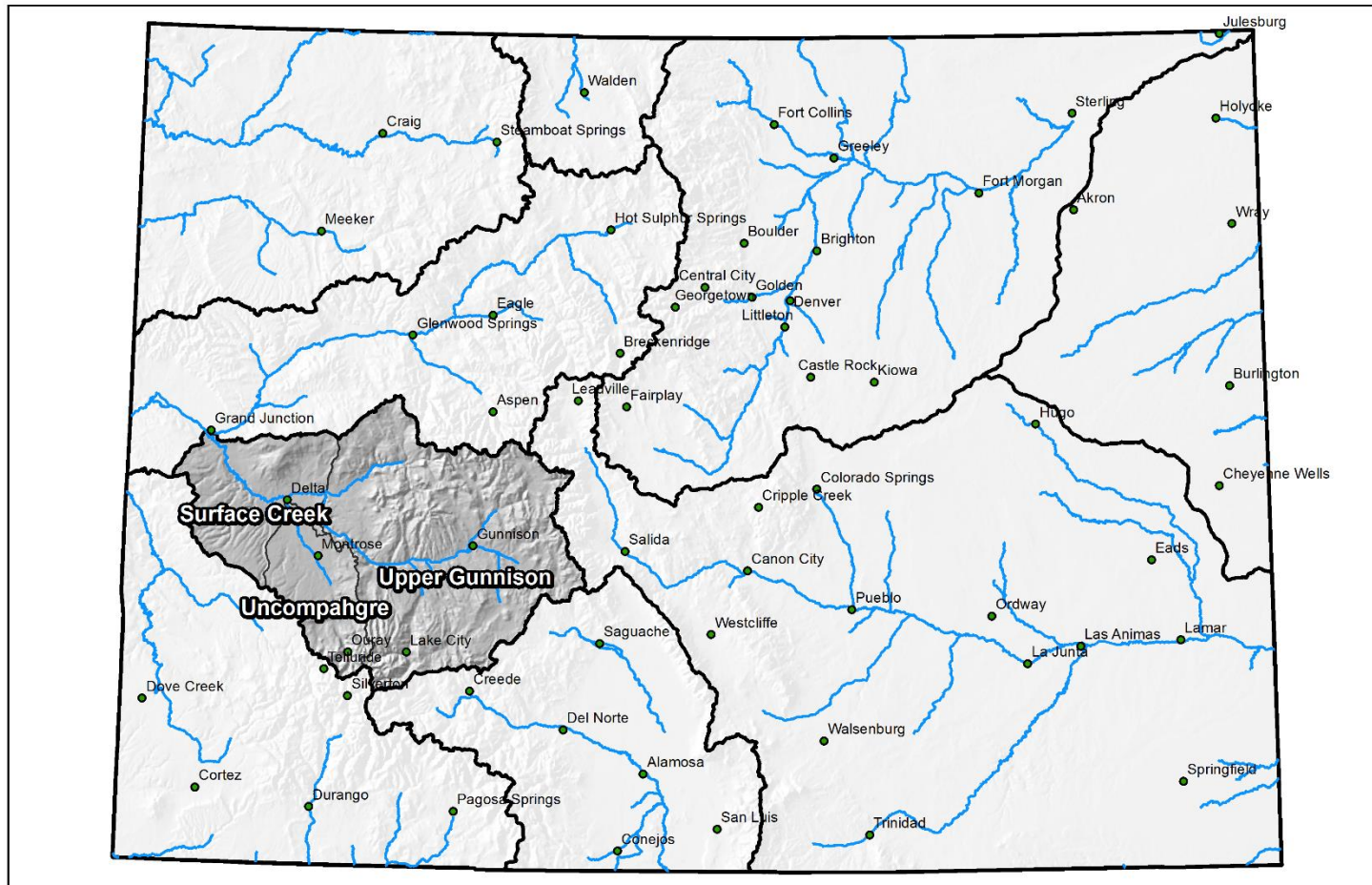


SOUTH PLATTE RIVER BASIN Reservoir Storage Departure from Average



Major Basin Summary

Gunnison River Basin



0 25 50 100 150 200 Miles

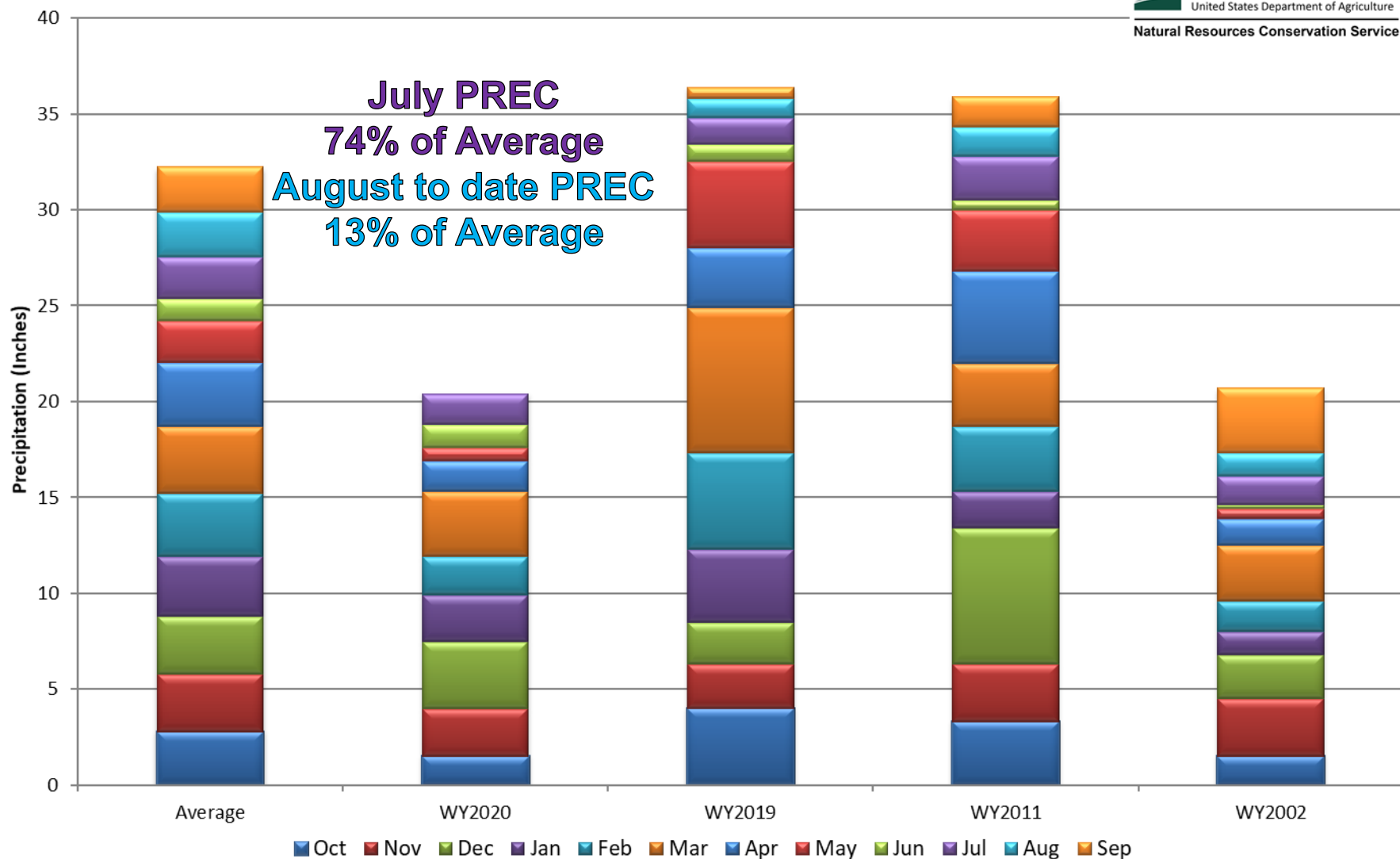
Gunnison River Basin High/Low Monthly Precipitation Summary

Based on Provisional SNOTEL data as of Aug 24, 2020



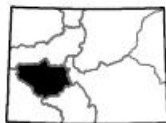
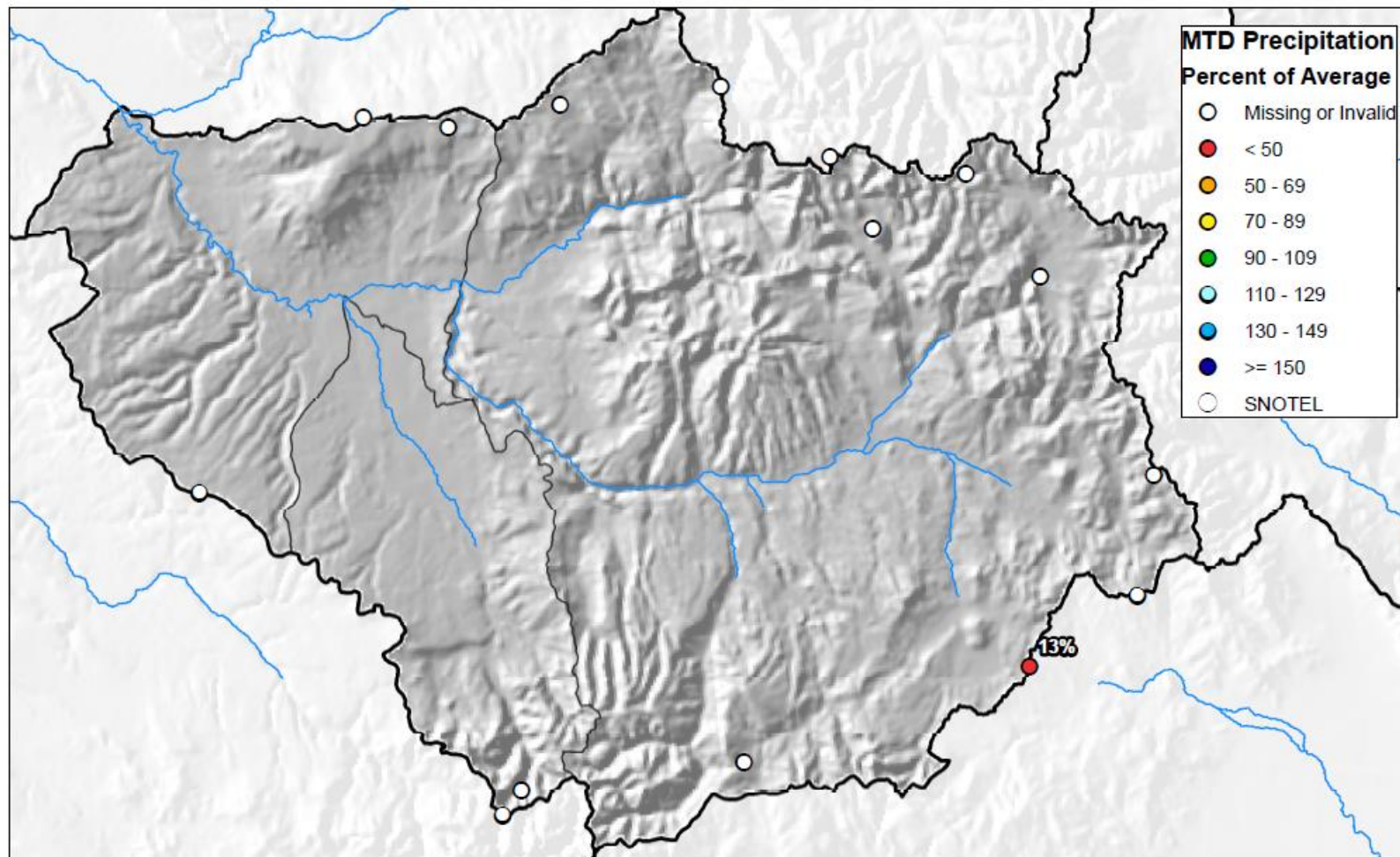
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Natural Resources Conservation Service



Gunnison River Basin Month to Date Precipitation Summary

Current as of Aug 24, 2020



0 5 10 20 30 40 Miles



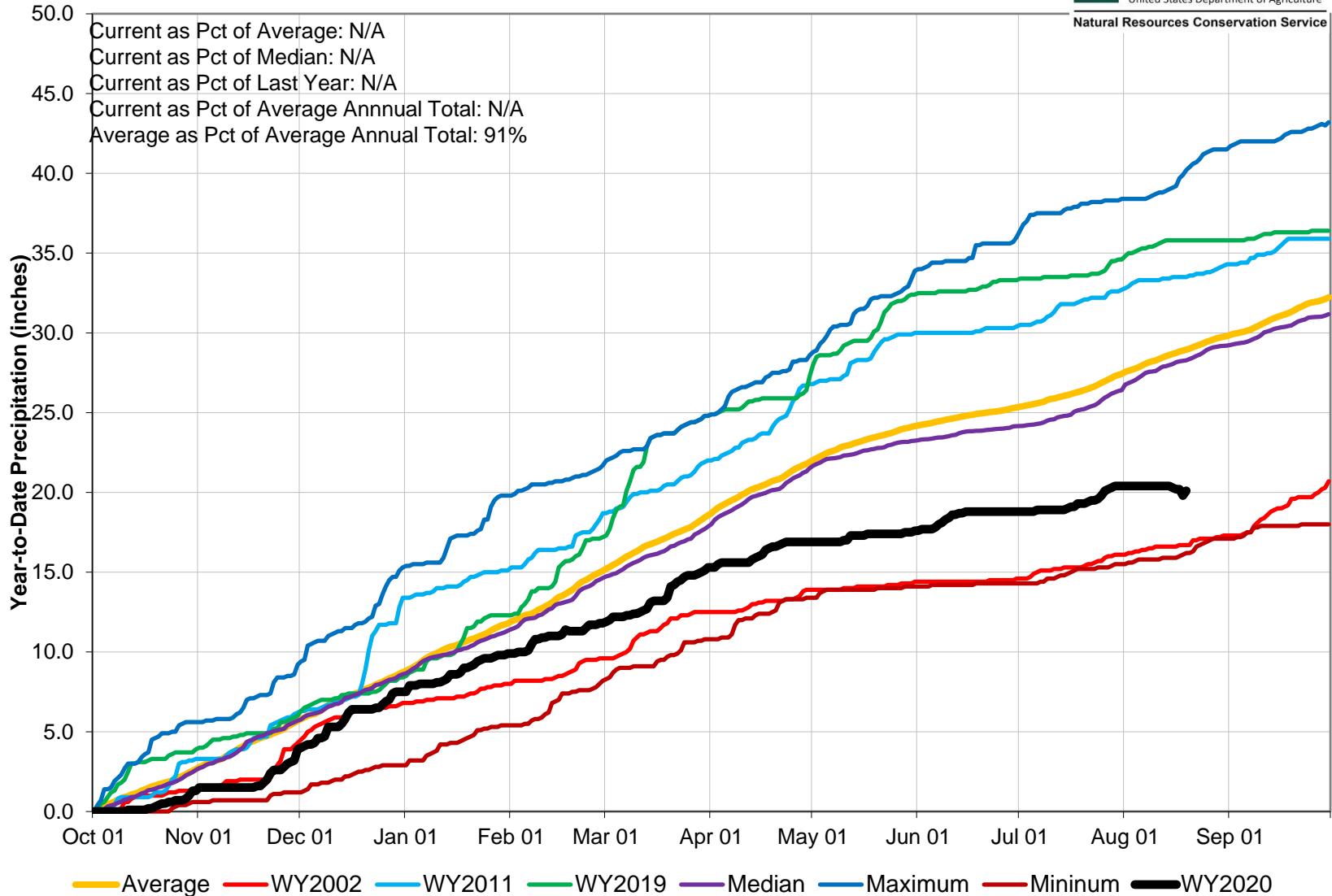
Gunnison River Basin High/Low Year-to-Date Precipitation Summary

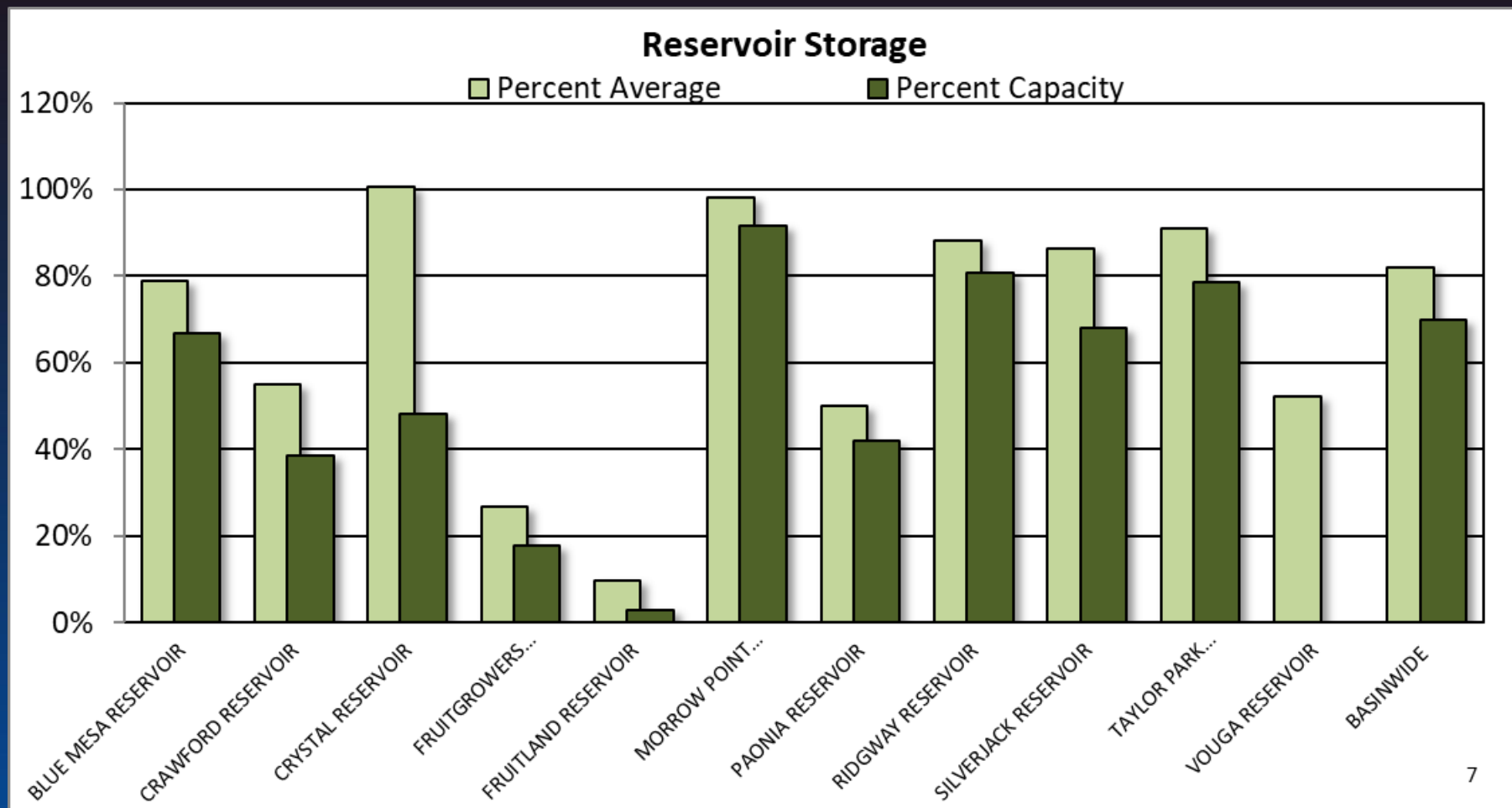
Based on Provisional SNOTEL data as of Aug 24, 2020



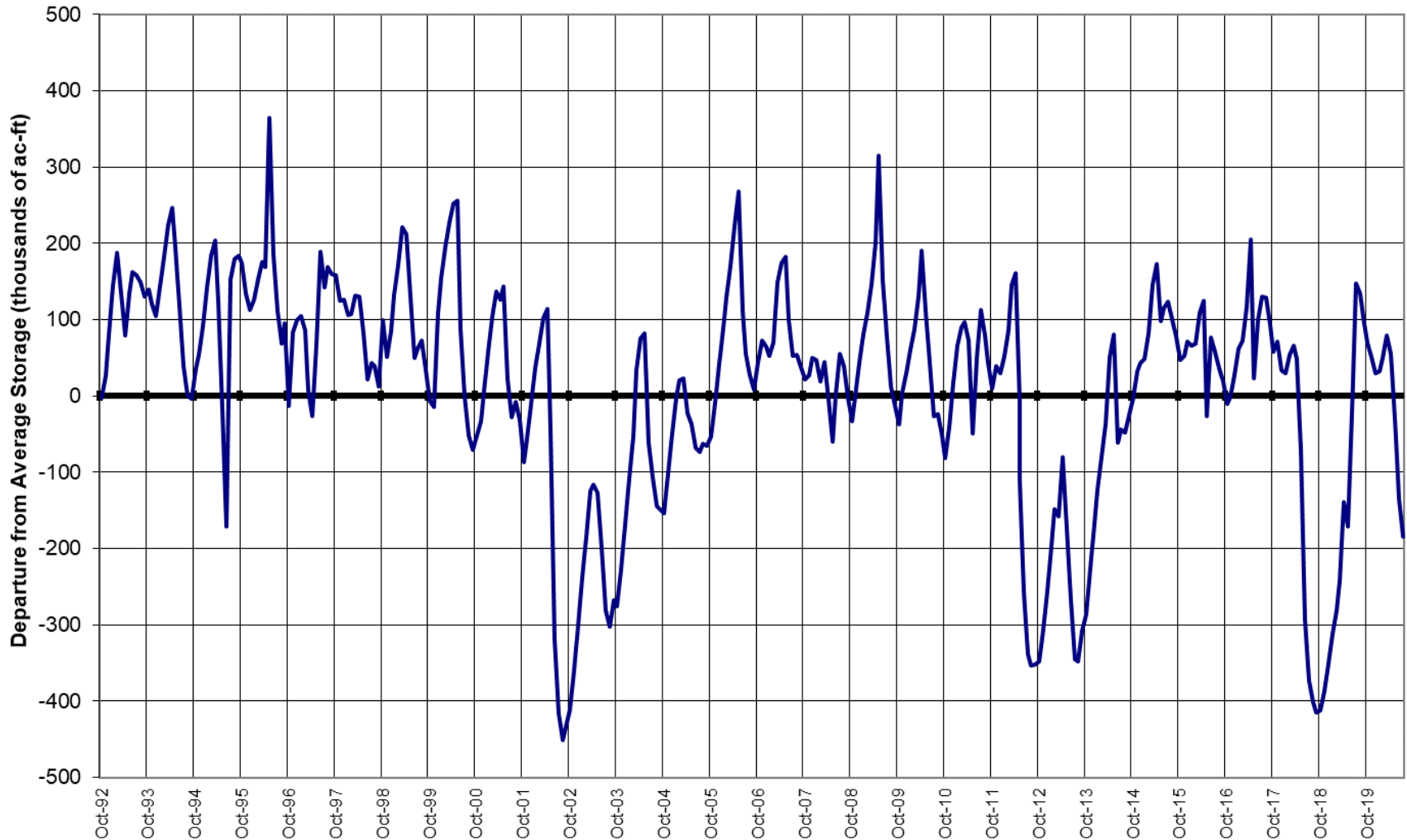
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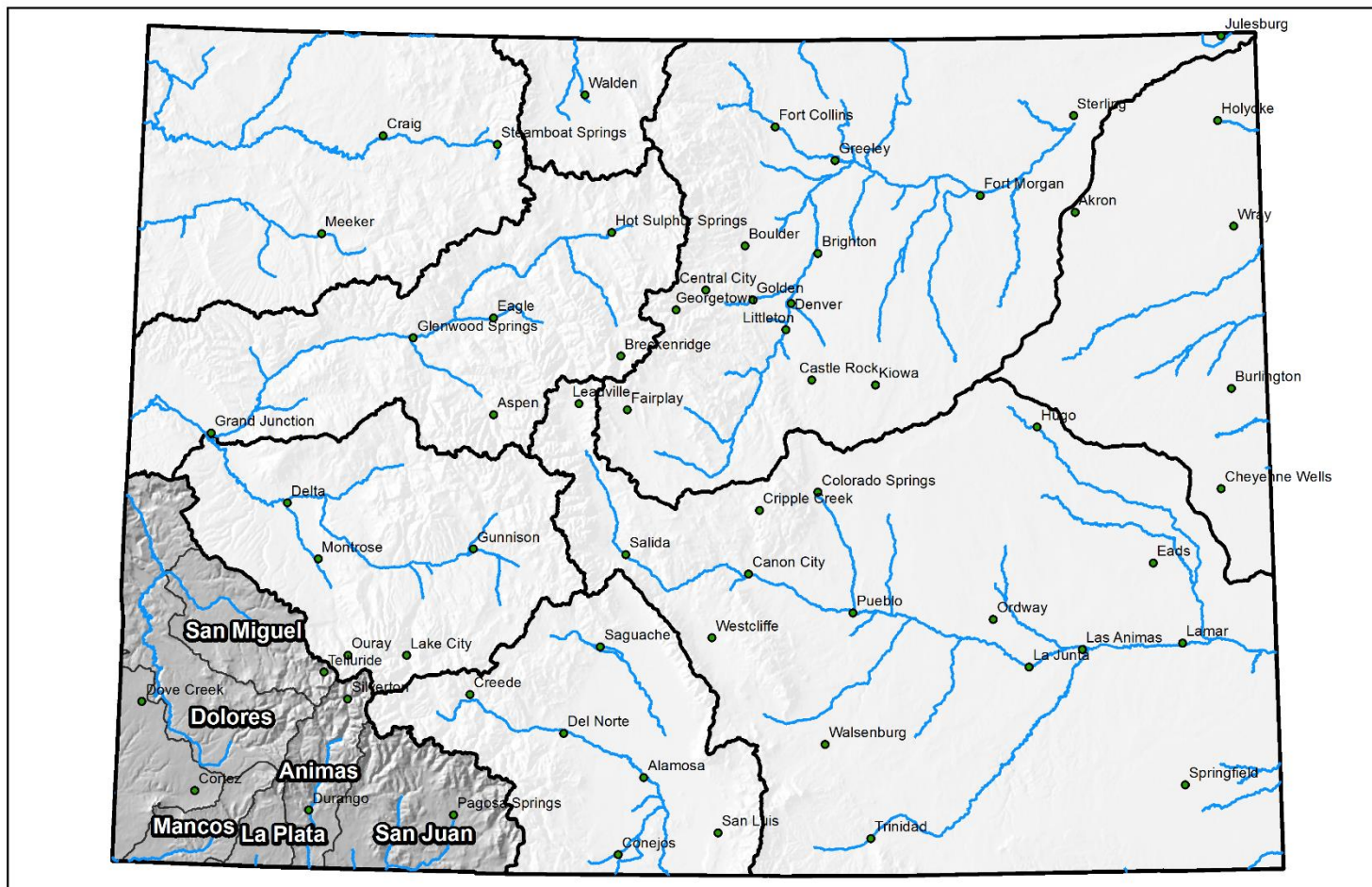


GUNNISON RIVER BASIN Reservoir Storage Departure from Average



Major Basin Summary

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



0 25 50 100 150 200 Miles

San Miguel, Dolores, Animas and San Juan River Basins

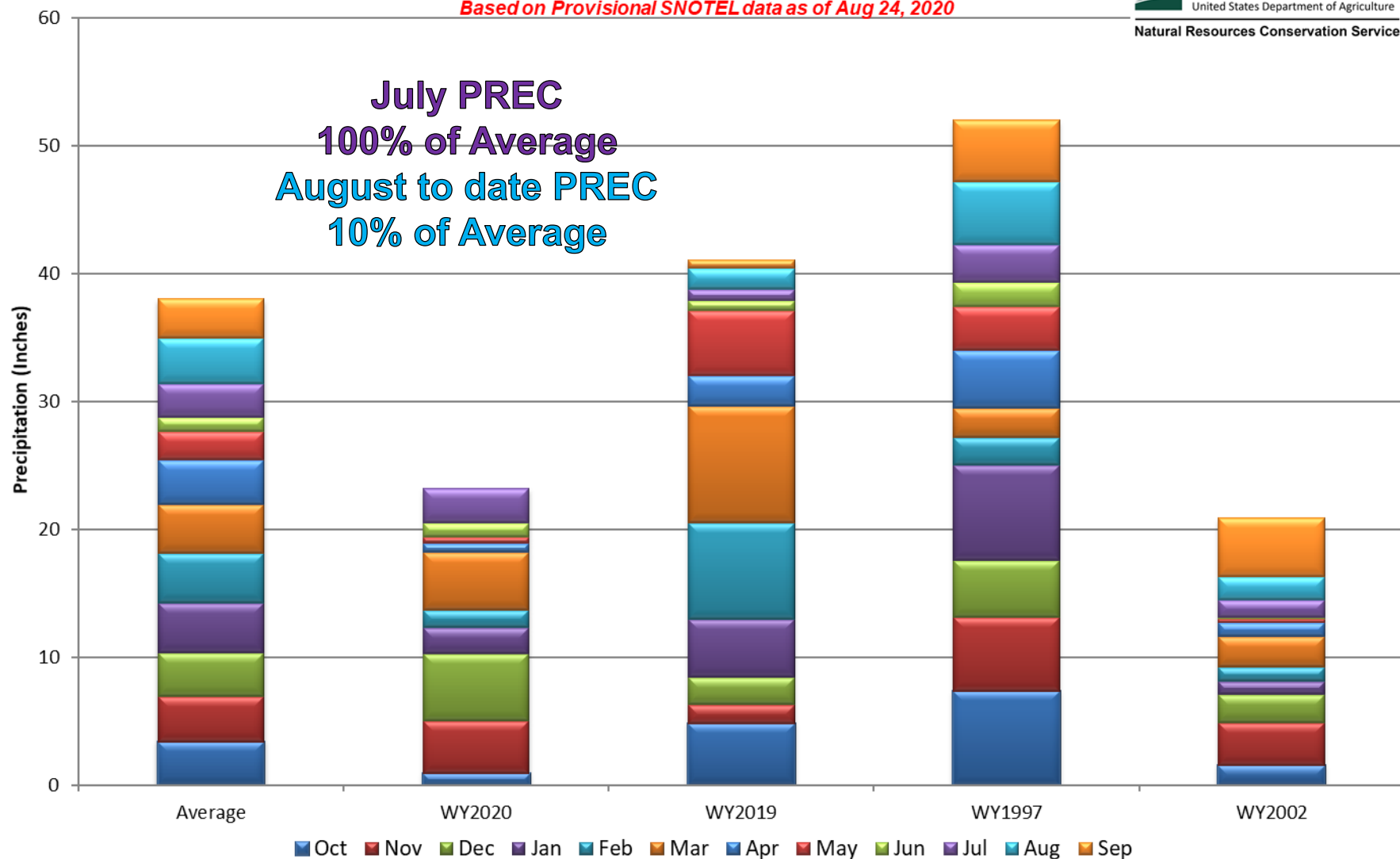
High/Low Monthly Precipitation Summary

Based on Provisional SNOTEL data as of Aug 24, 2020



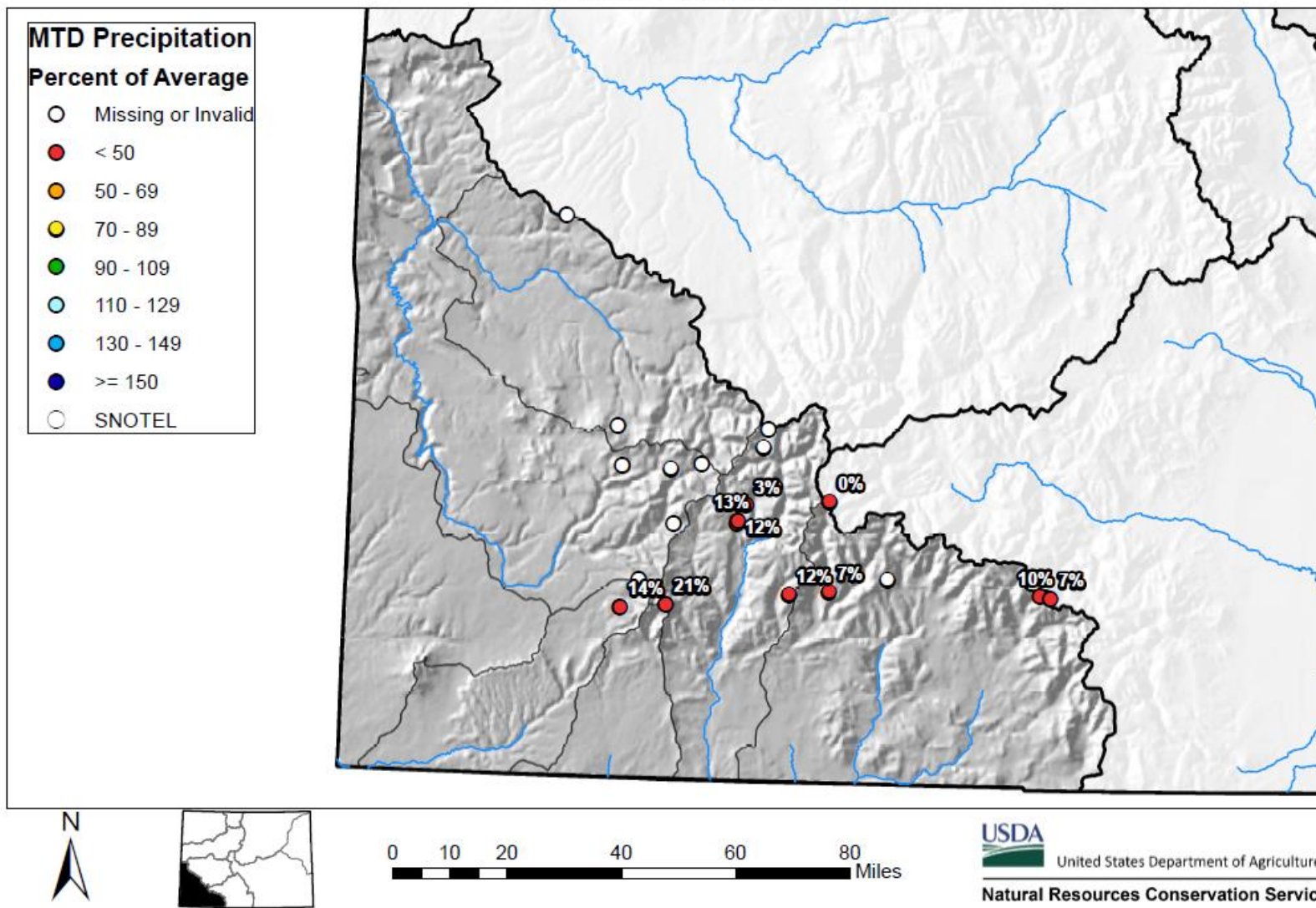
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San Miguel, Dolores, Animas, and San Juan River Basins Month to Date Precipitation Summary

Current as of Aug 24, 2020



San Miguel, Dolores, Animas and San Juan River Basins

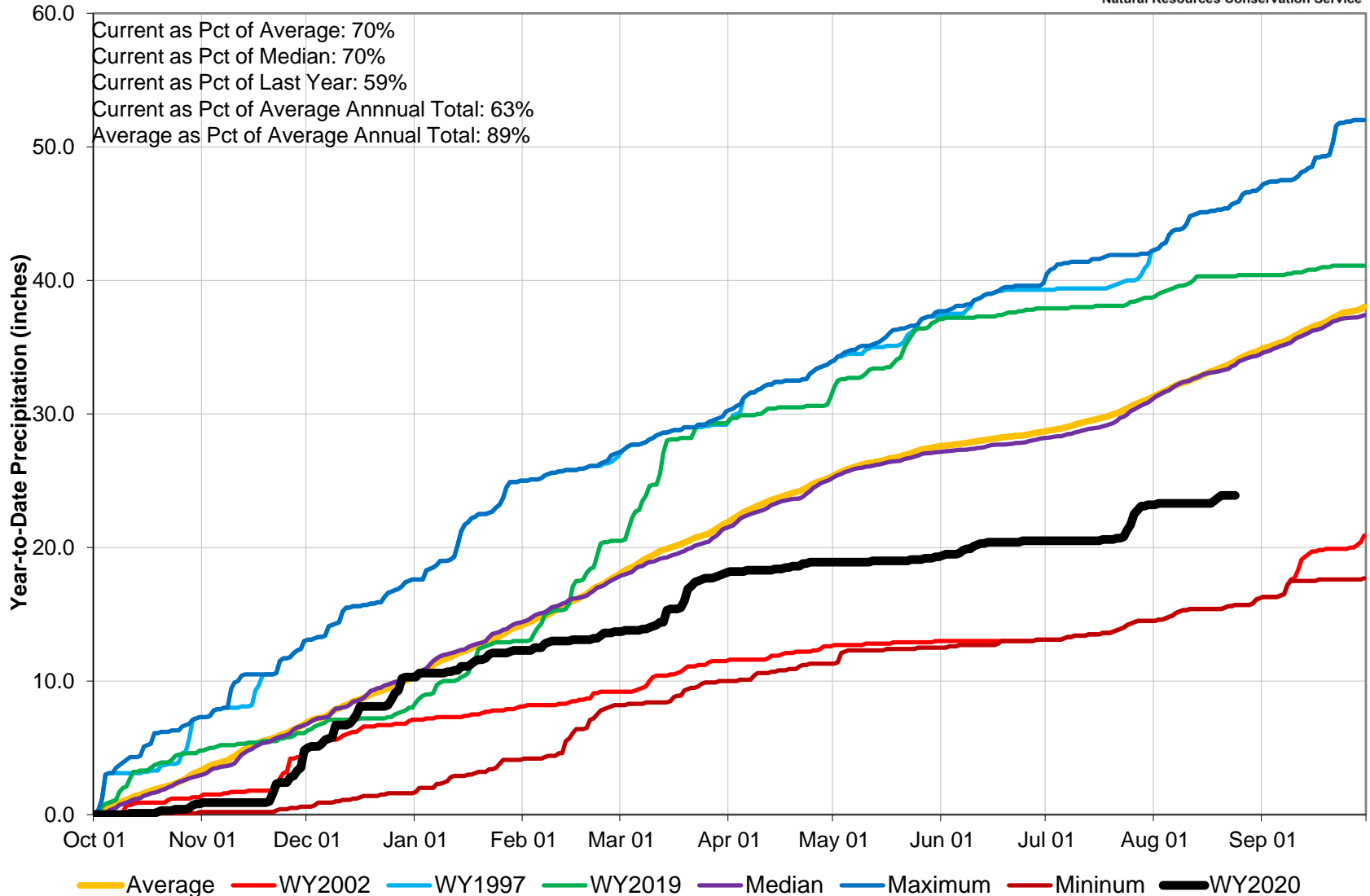
High/Low Year-to-Date Precipitation Summary

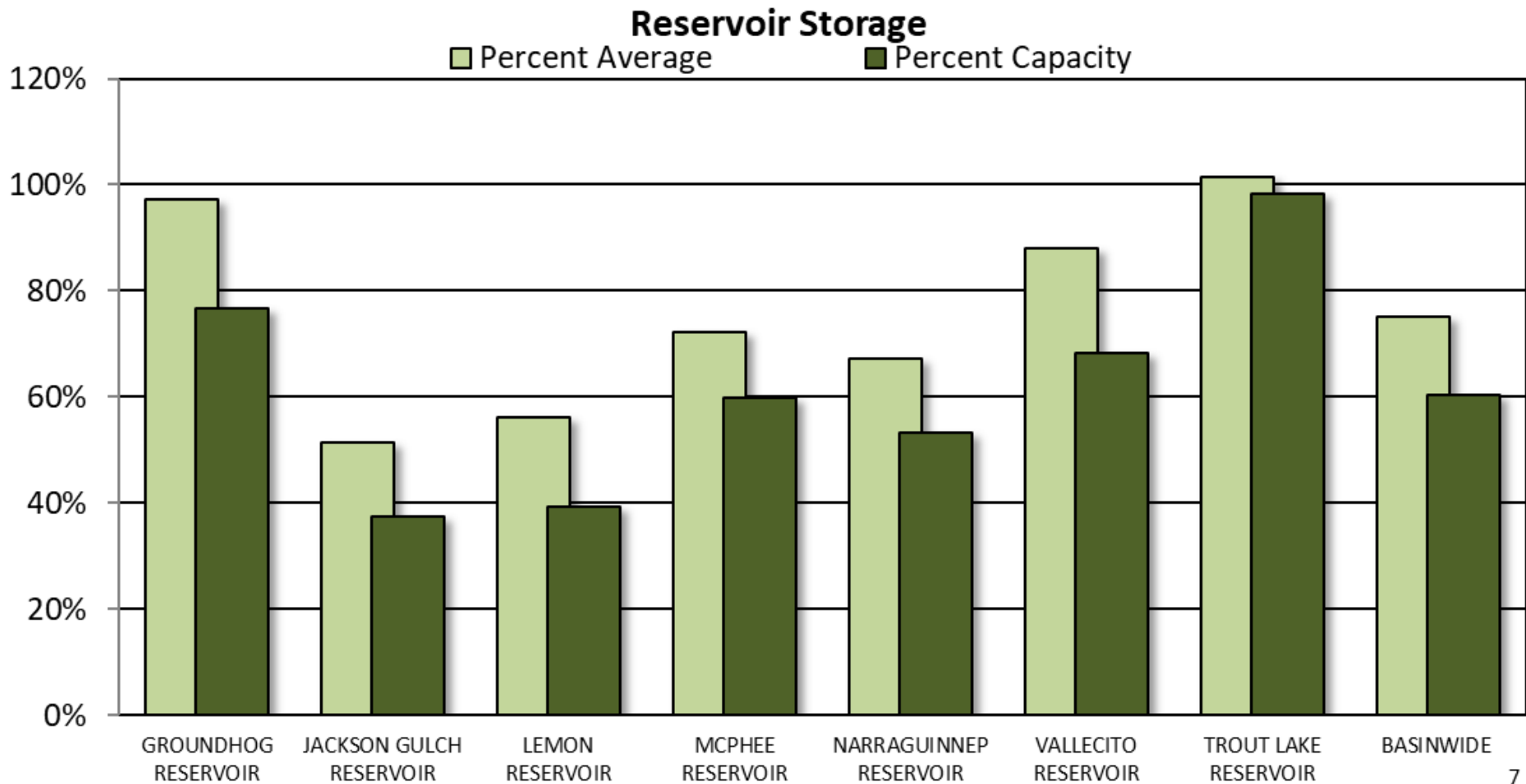
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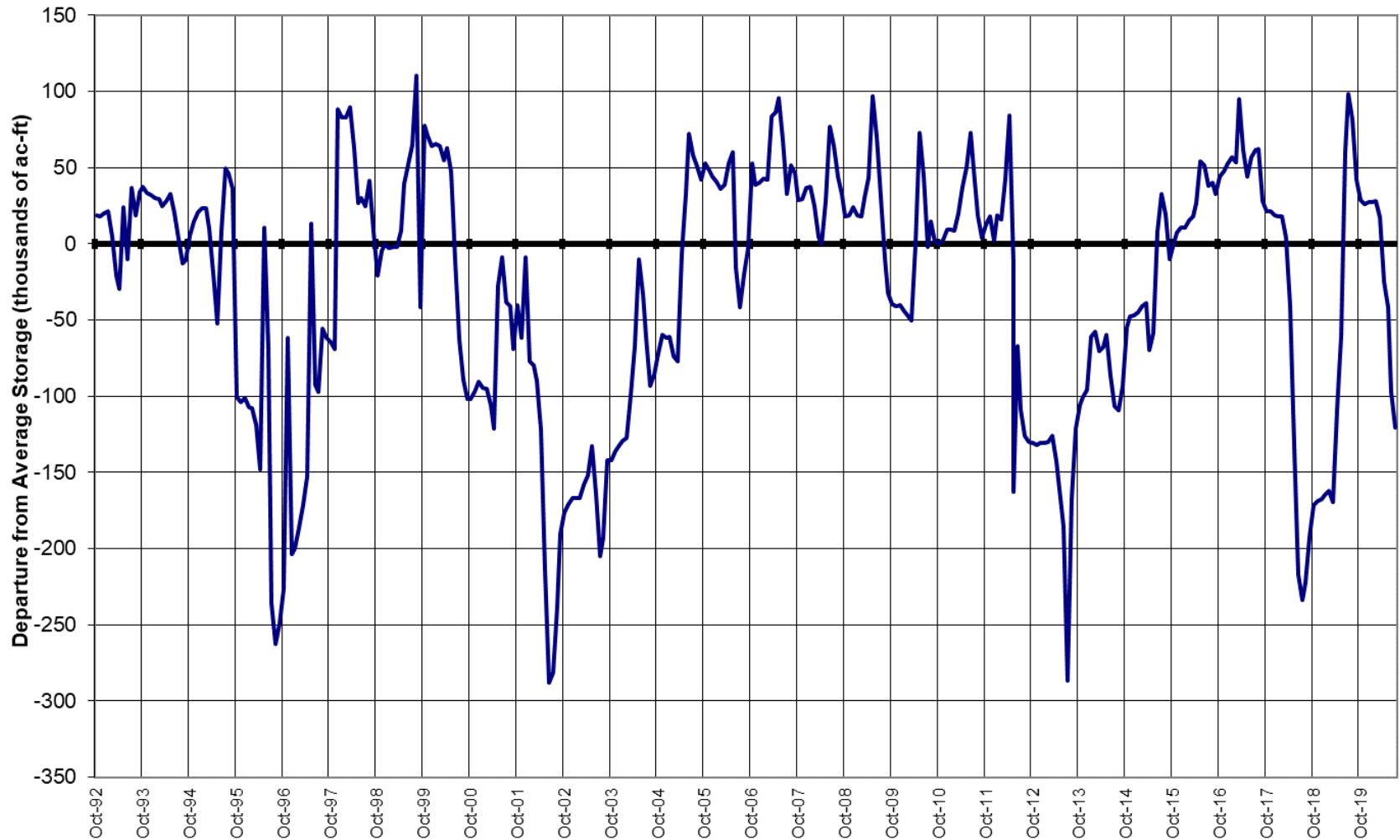
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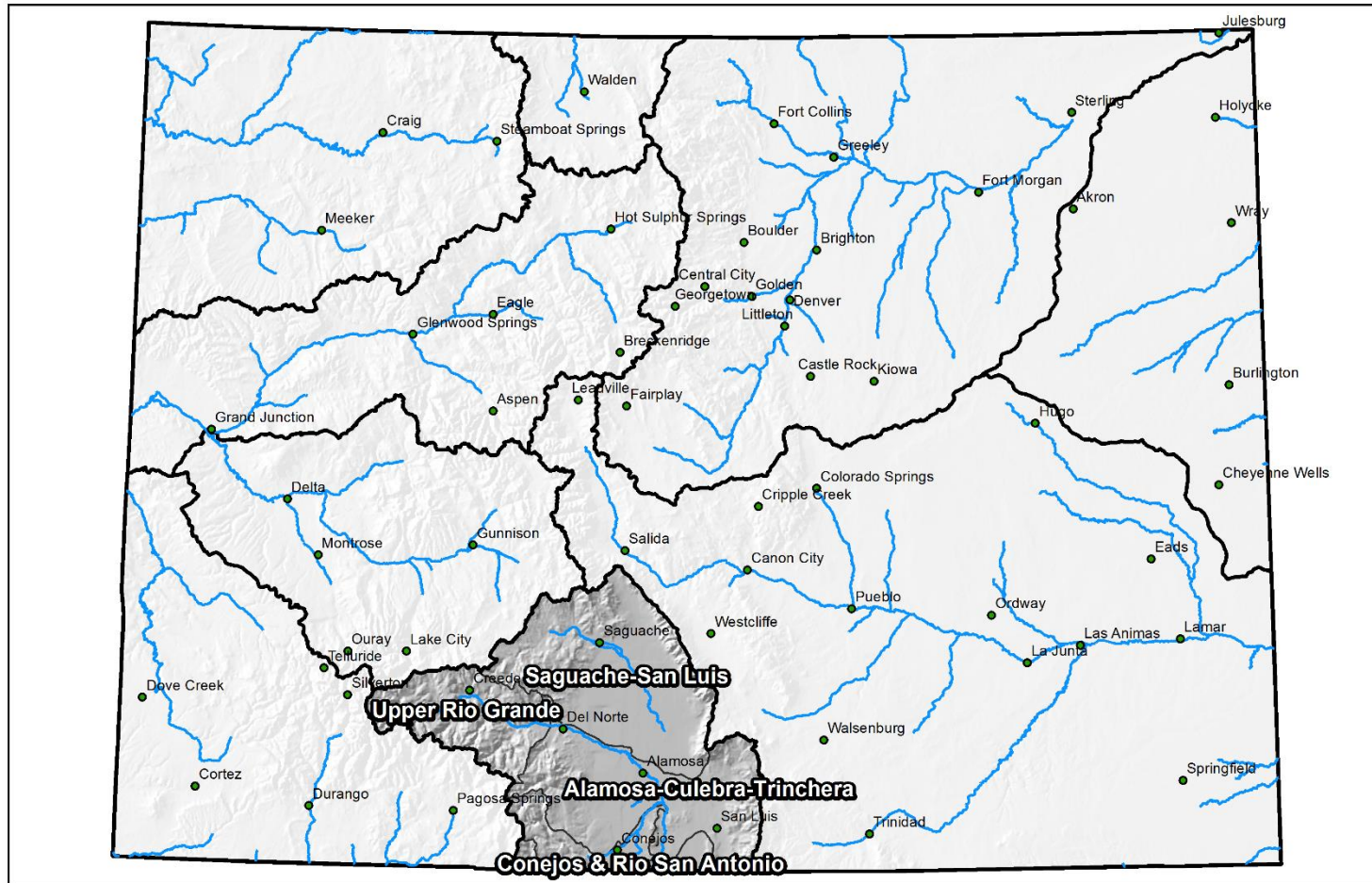


SAN MIGUEL, DOLORES, ANIMAS AND SAN JUAN RIVER BASINS Reservoir Storage Departure from Average



Major Basin Summary

Upper Rio Grande River Basin



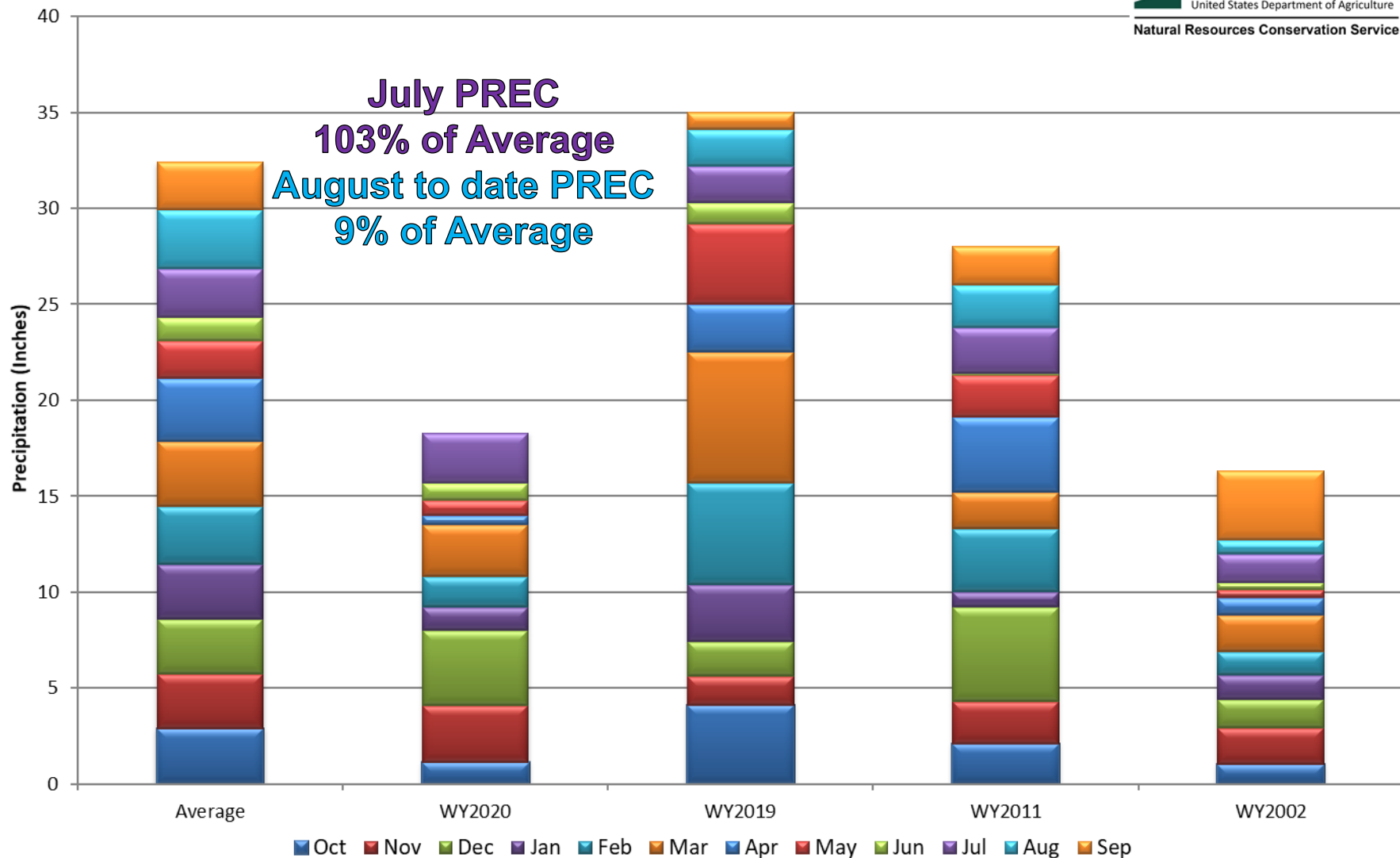
Upper Rio Grande River Basin High/Low Monthly Precipitation Summary

Based on Provisional SNOTEL data as of Aug 24, 2020



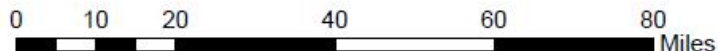
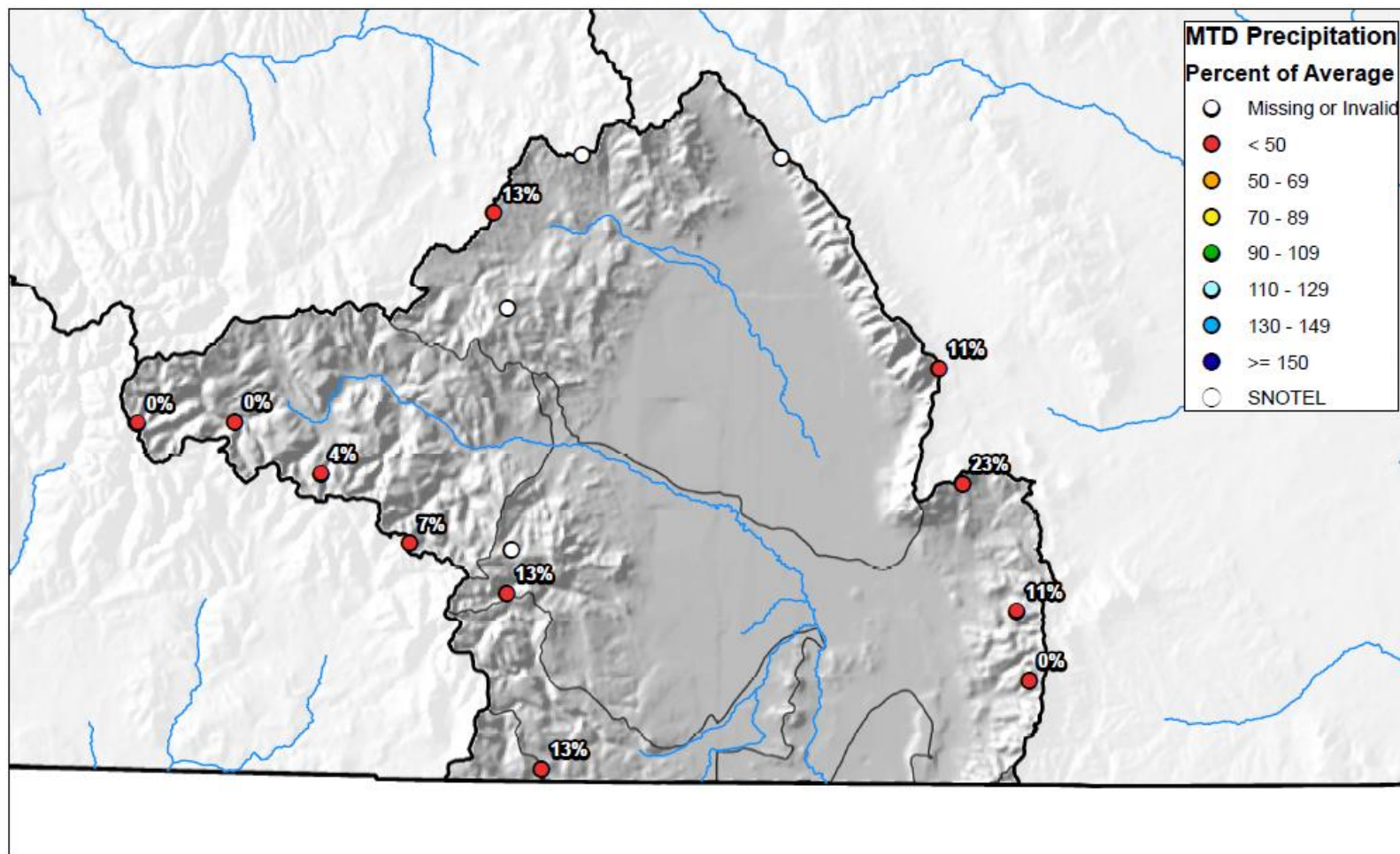
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Upper Rio Grande River Basin Month to Date Precipitation Summary

Current as of Aug 24, 2020



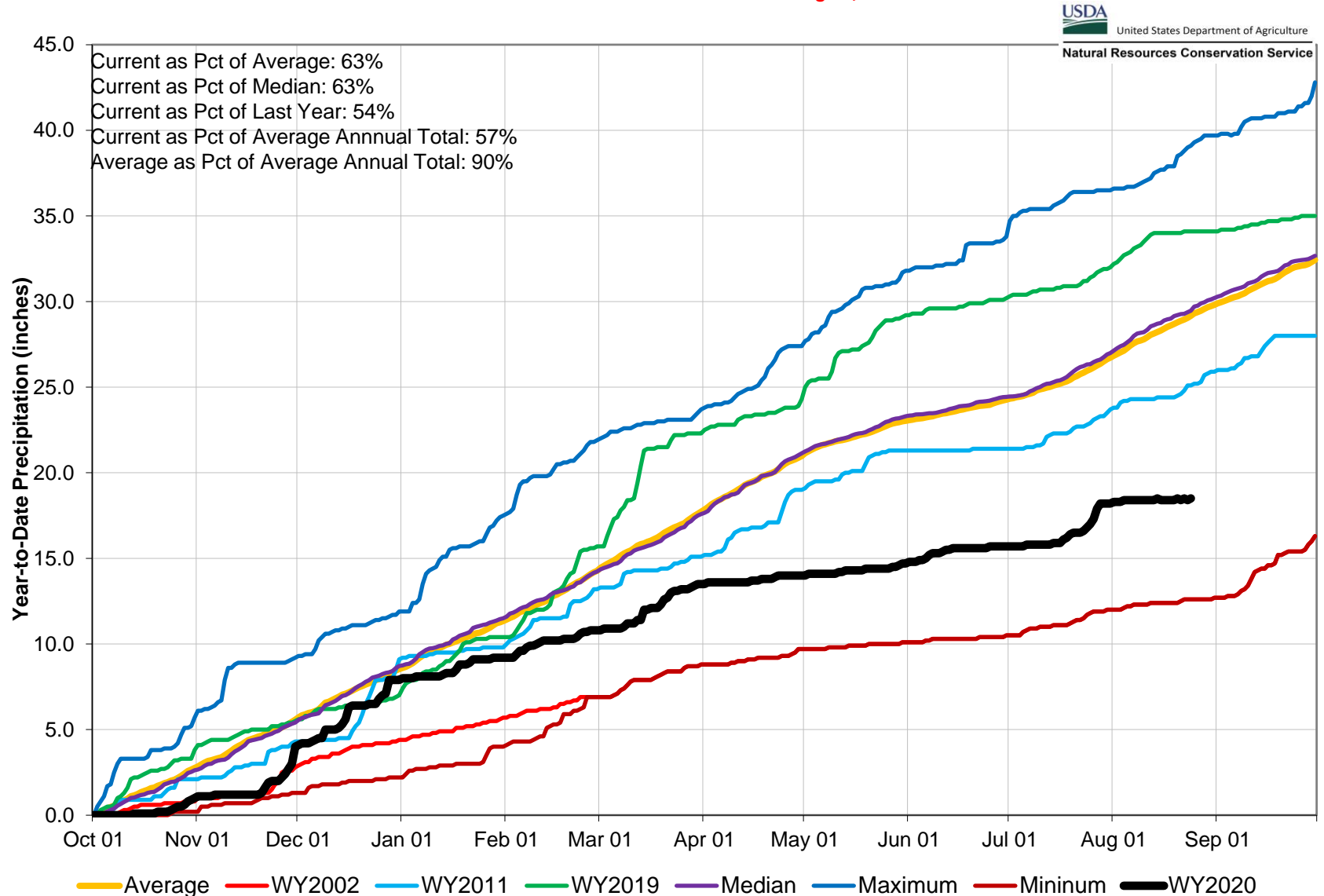


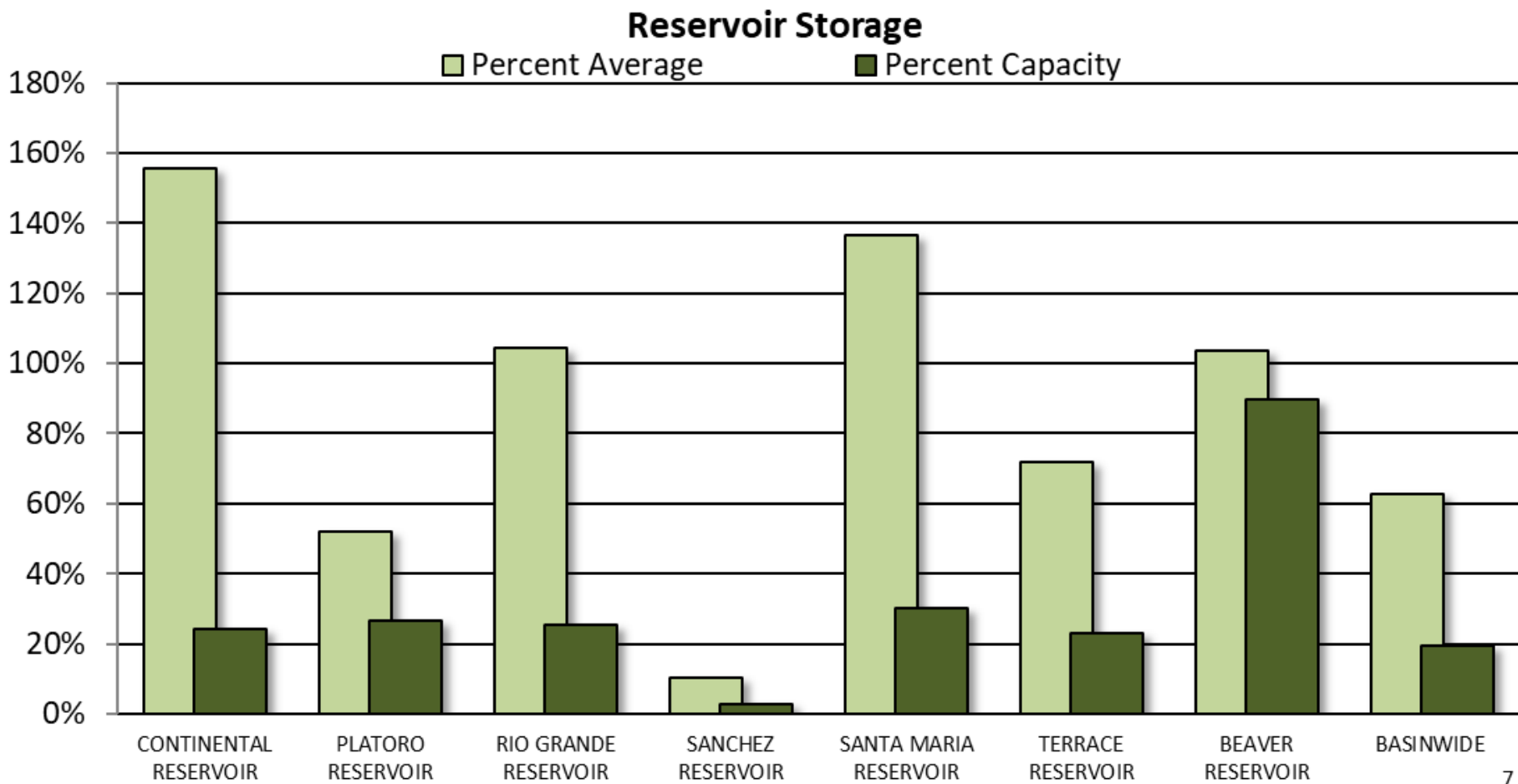
United States Department of Agriculture

Colorado Snow Surveys

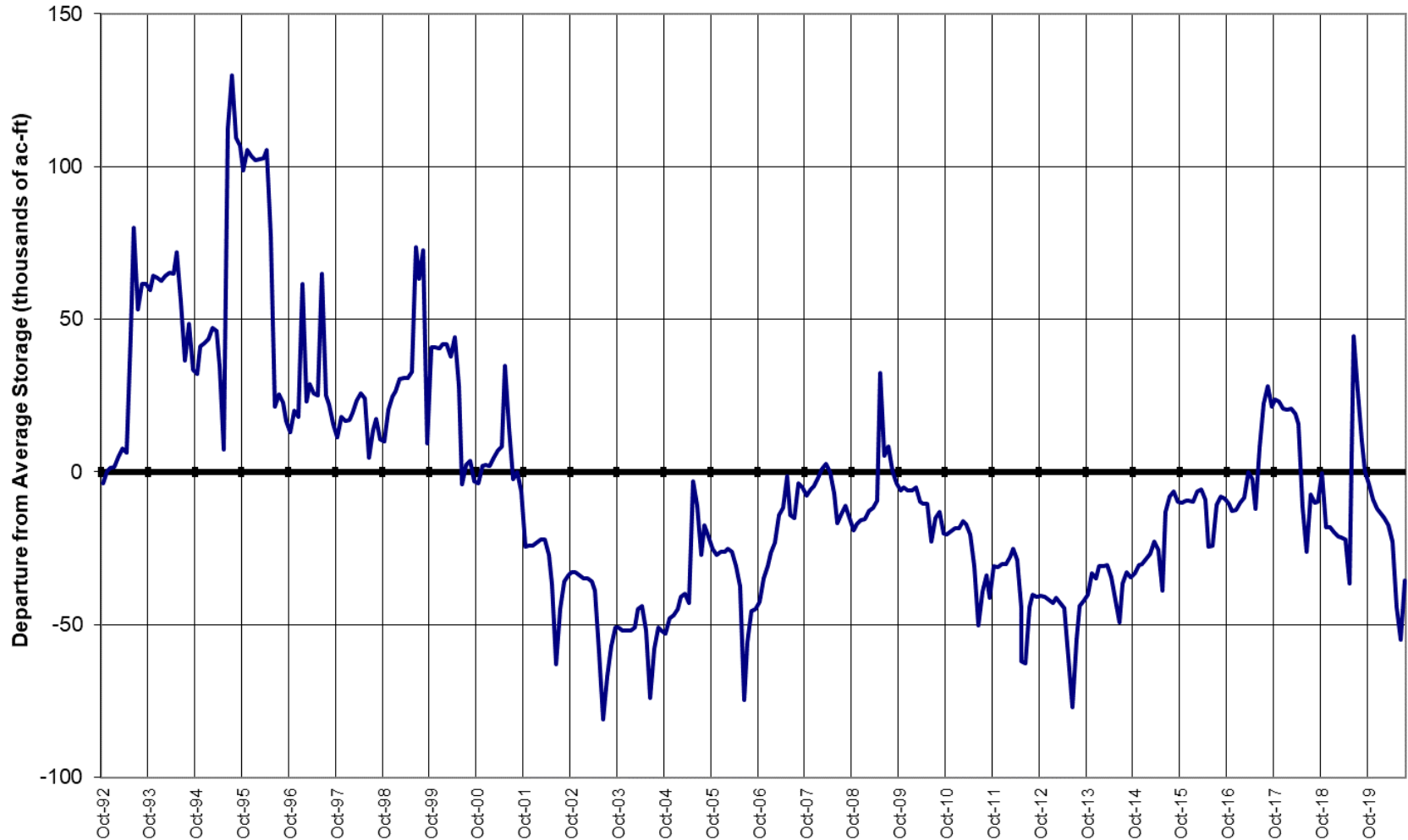
Upper Rio Grande River Basin High/Low Year-to-Date Precipitation Summary

Based on Provisional SNOTEL data as of Aug 24, 2020



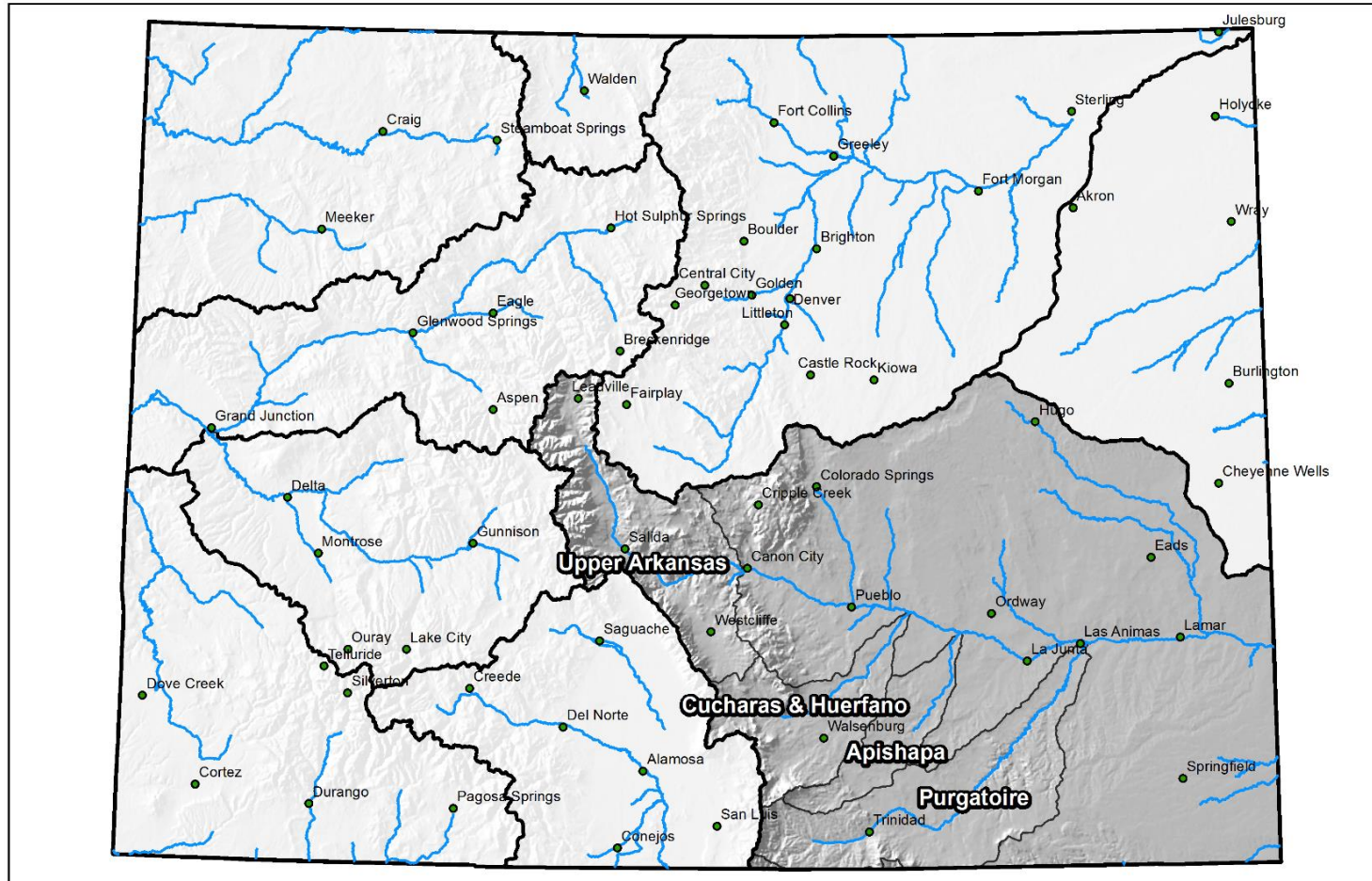


UPPER RIO GRANDE BASIN Reservoir Storage Departure from Average



Major Basin Summary

Arkansas River Basin



0 25 50 100 150 200 Miles

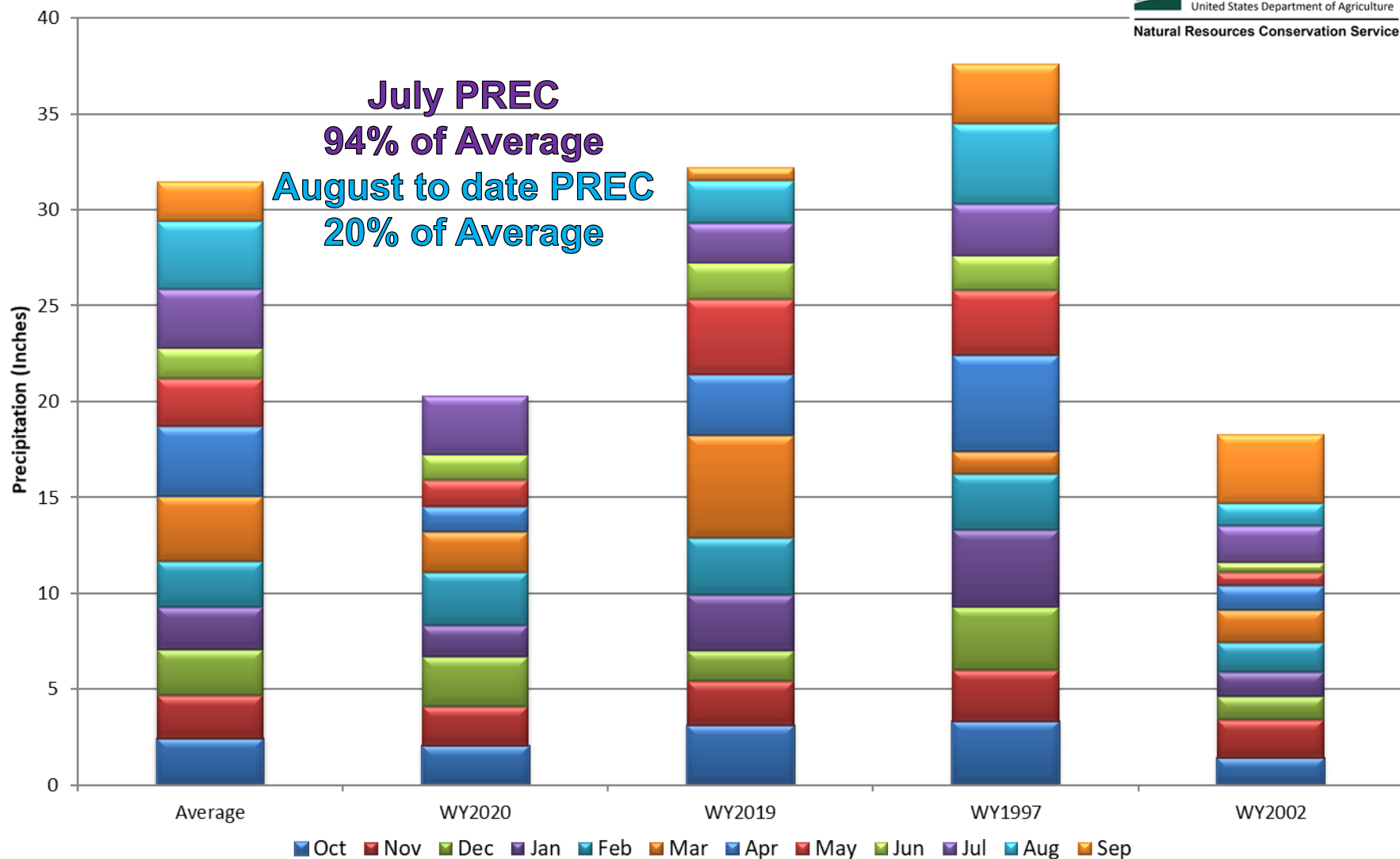
Arkansas River Basin High/Low Monthly Precipitation Summary

Based on Provisional SNOTEL data as of Aug 24, 2020



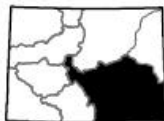
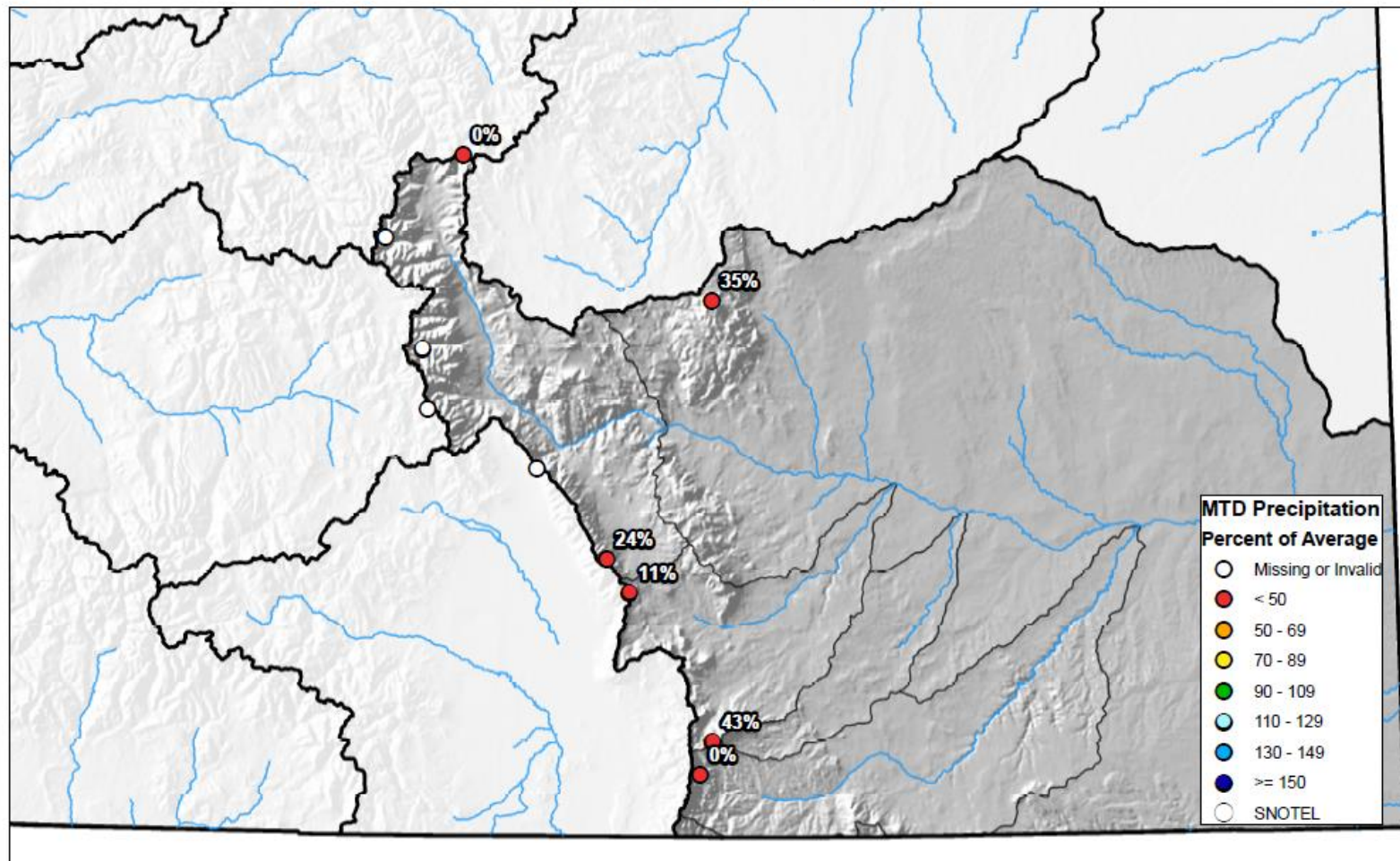
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Arkansas River Basin Month to Date Precipitation Summary

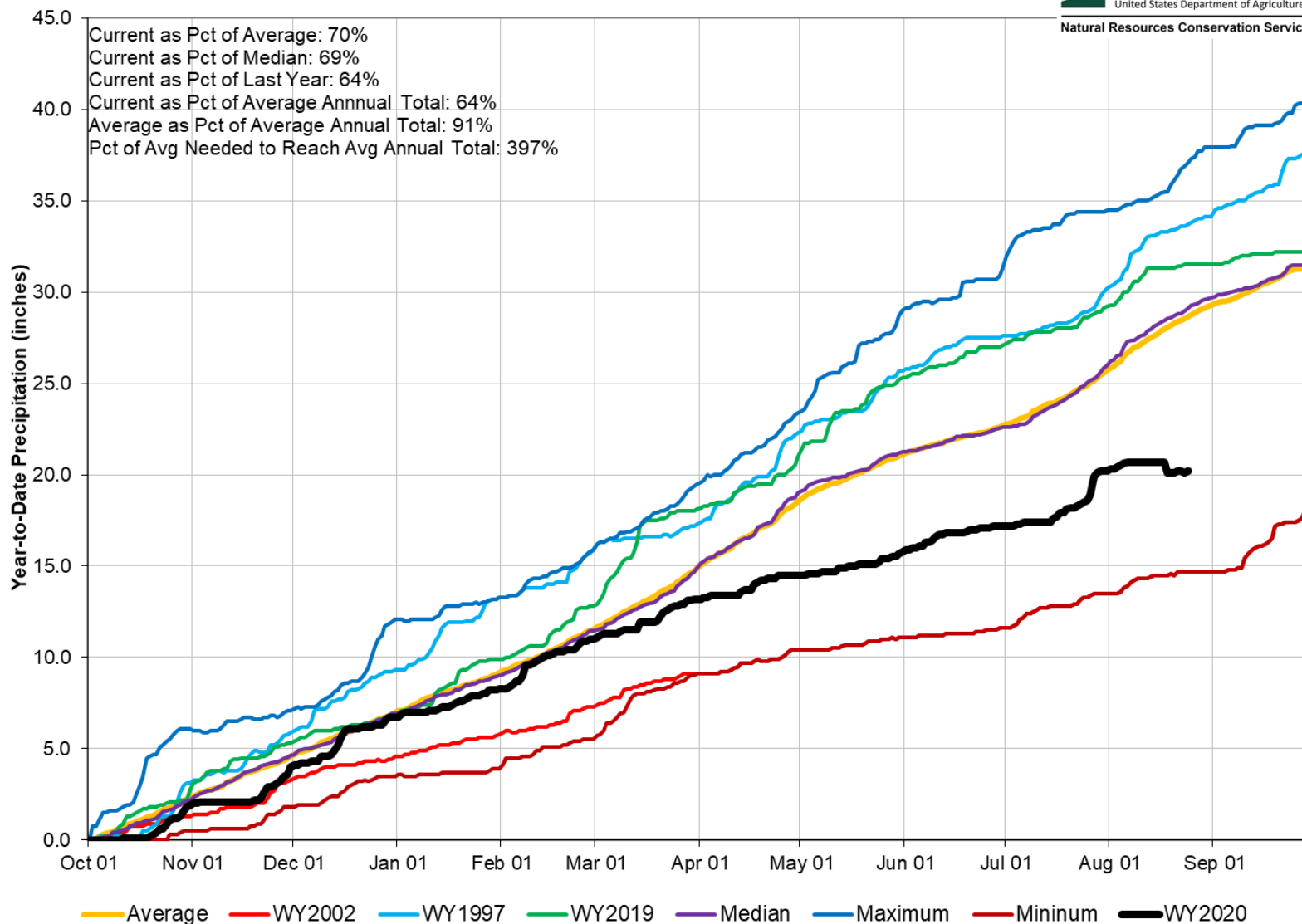
Current as of Aug 24, 2020



0 10 20 40 60 80 Miles

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

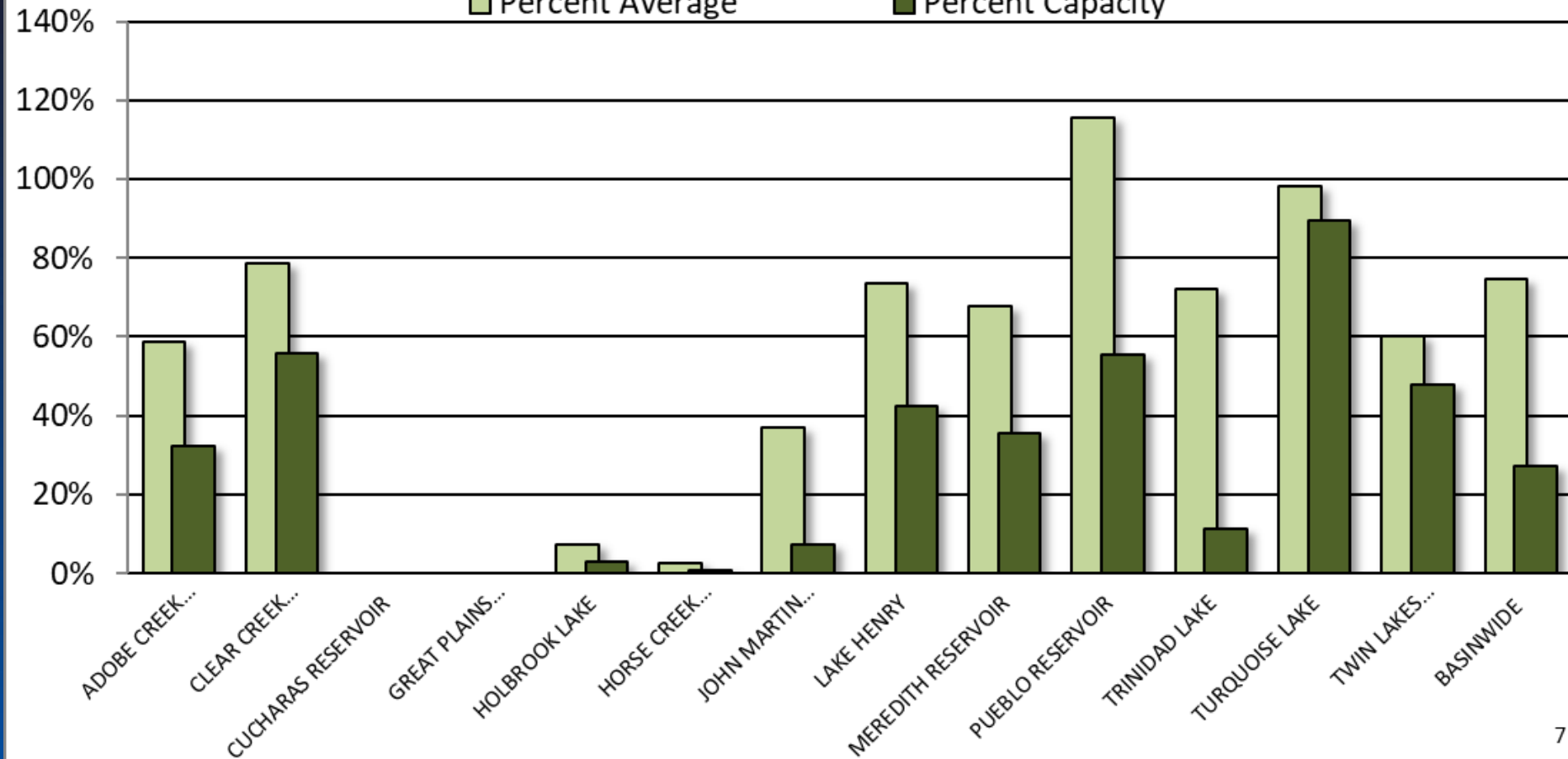
Based on Provisional SNOTEL data as of Aug 24, 2020



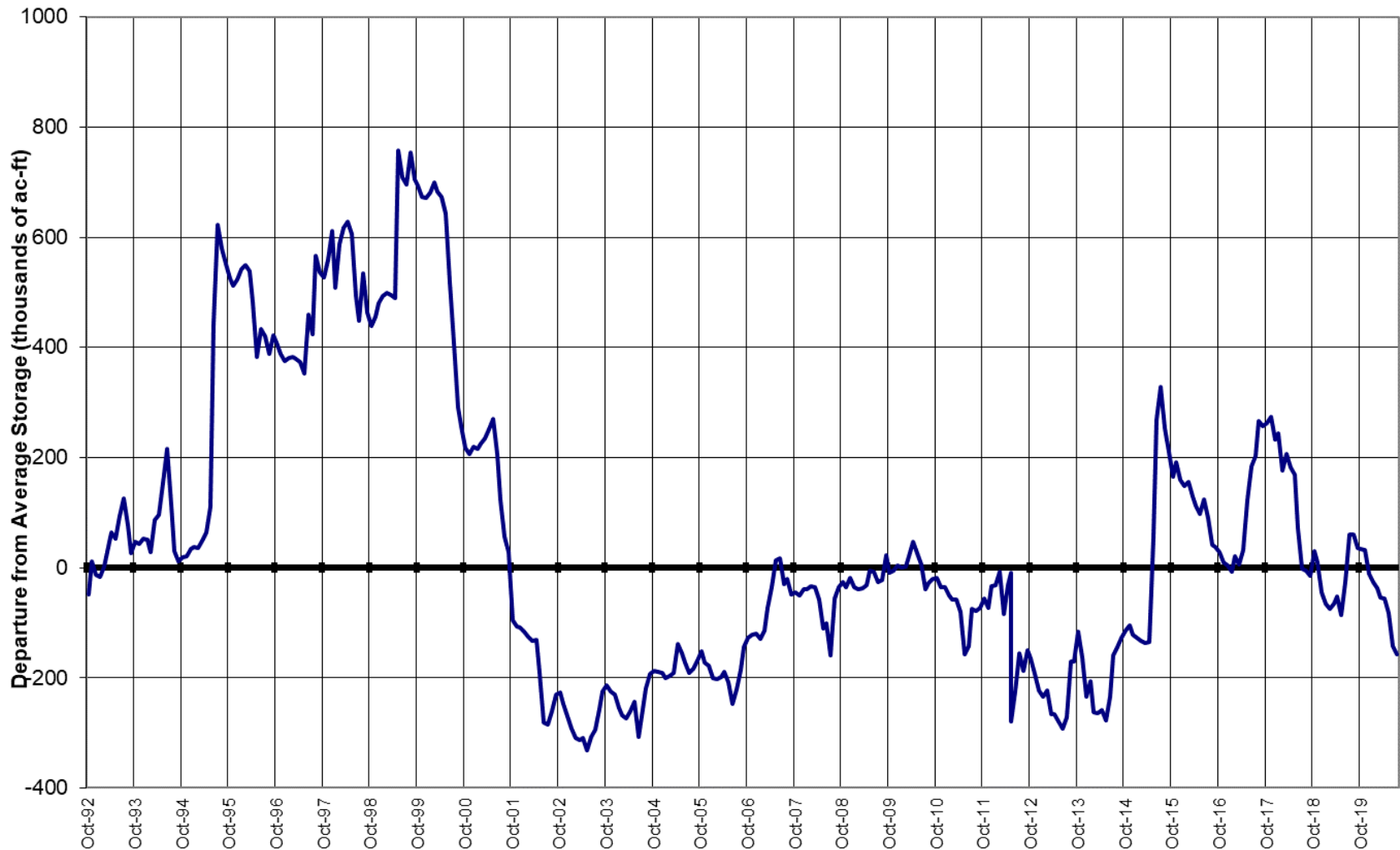
Reservoir Storage

■ Percent Average

■ Percent Capacity

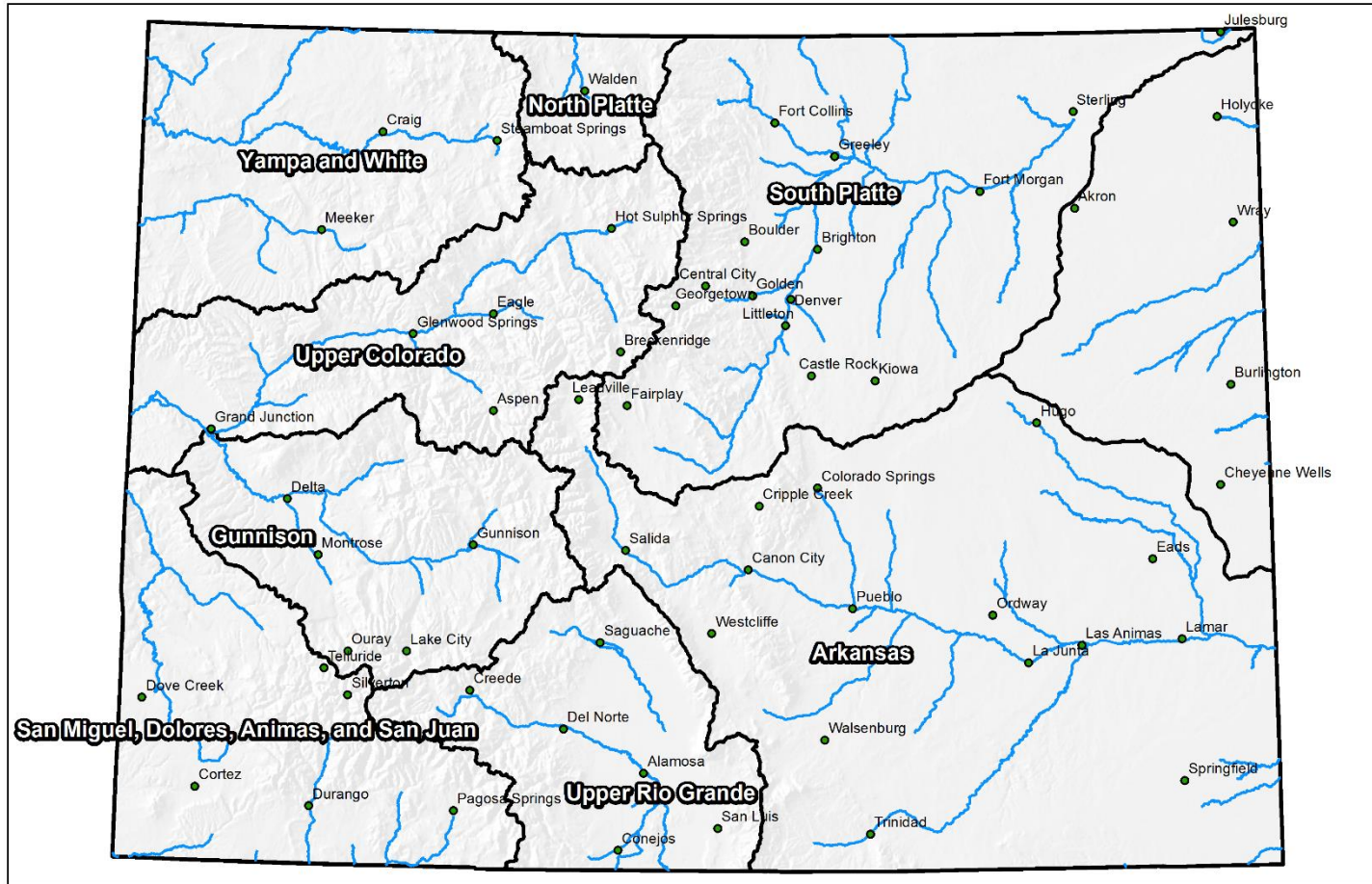


ARKANSAS RIVER BASIN Reservoir Storage Departure from Average



Colorado Statewide Summary

Colorado Major Basins



0 25 50 100 150 200 Miles

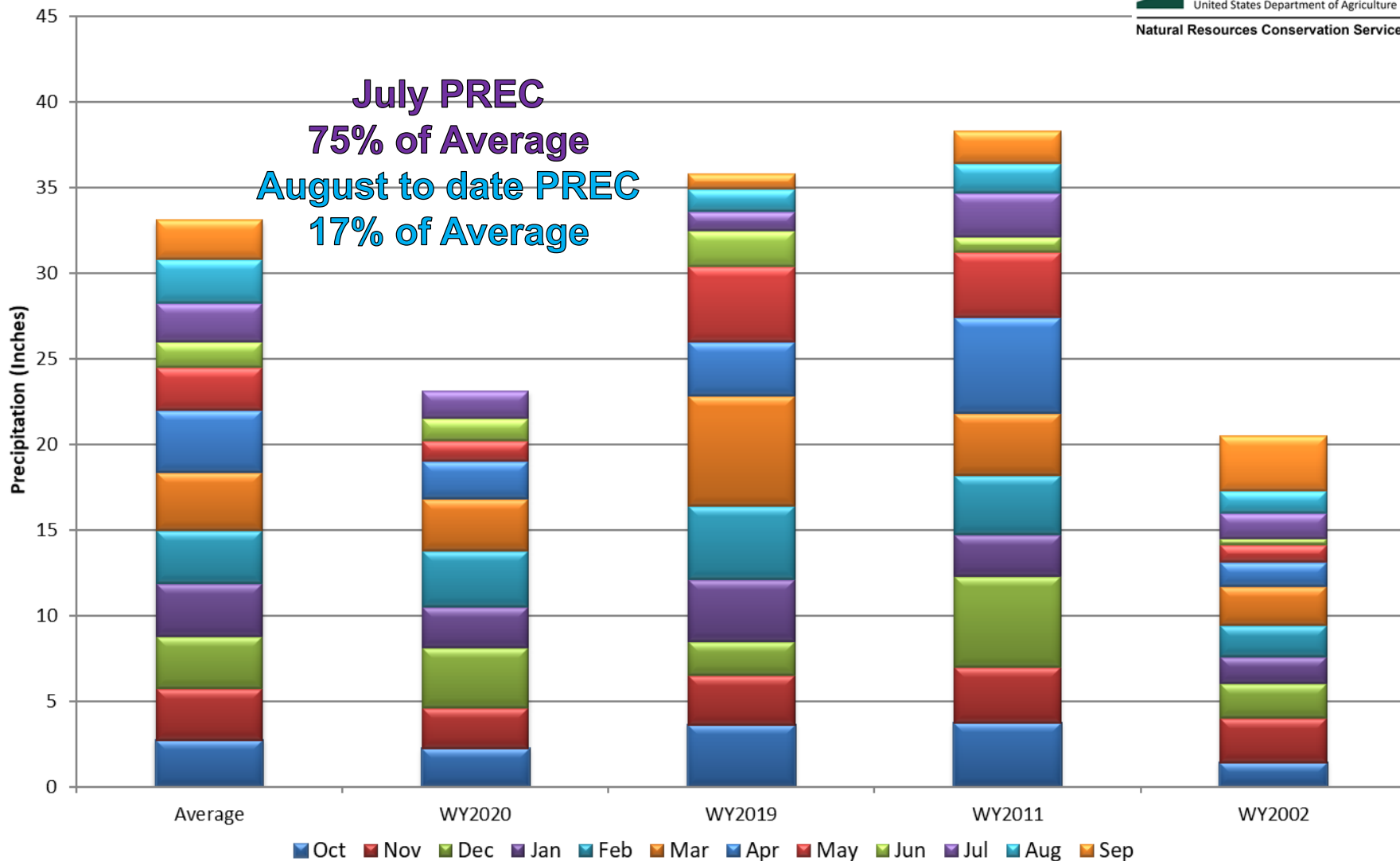
Colorado Statewide High/Low Monthly Precipitation Summary

Based on Provisional SNOTEL data as of Aug 24, 2020



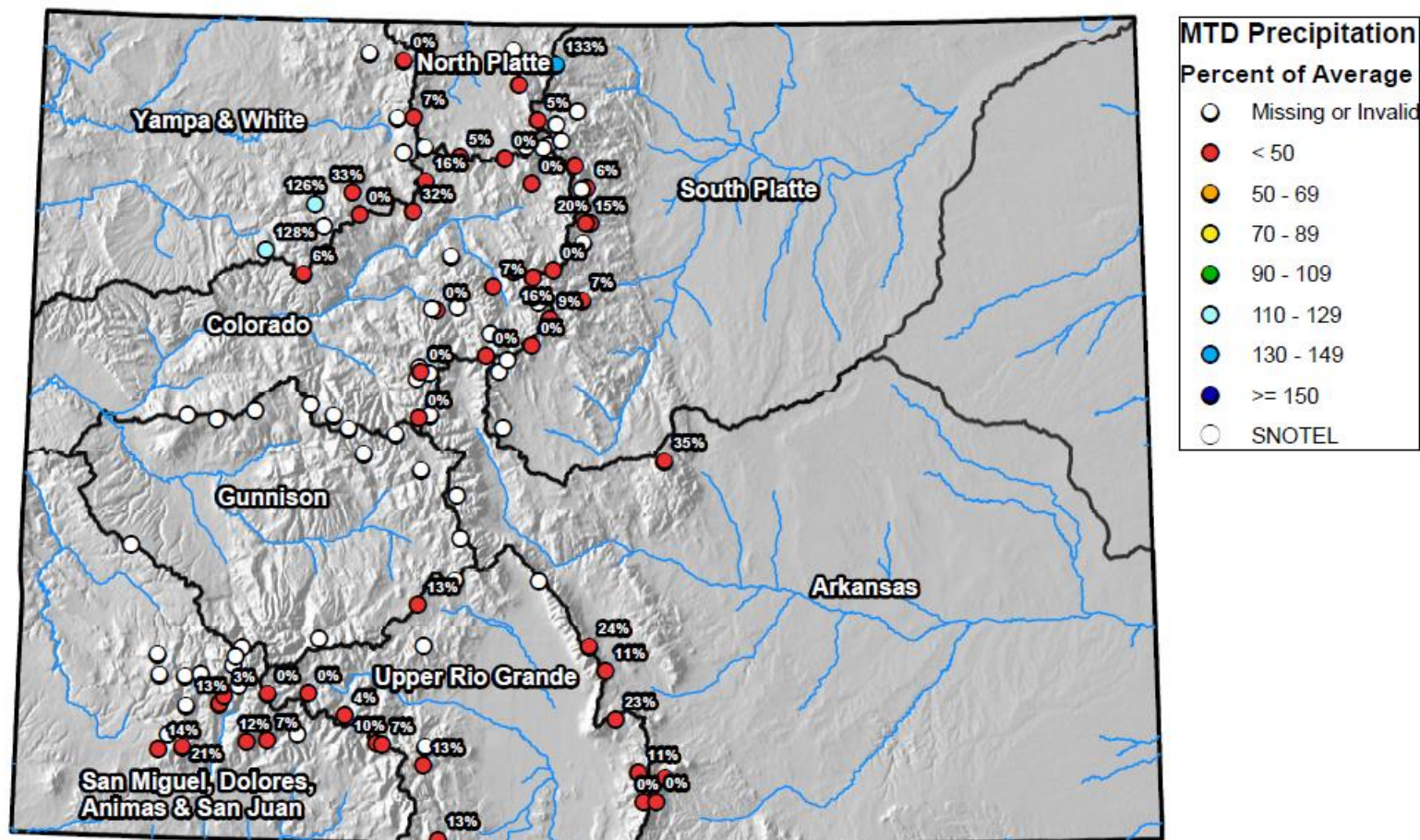
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Natural Resources Conservation Service



Colorado SNOTEL Month-to-Date Precipitation

Current as of Aug 24, 2020



0 25 50 100 150 200 Miles

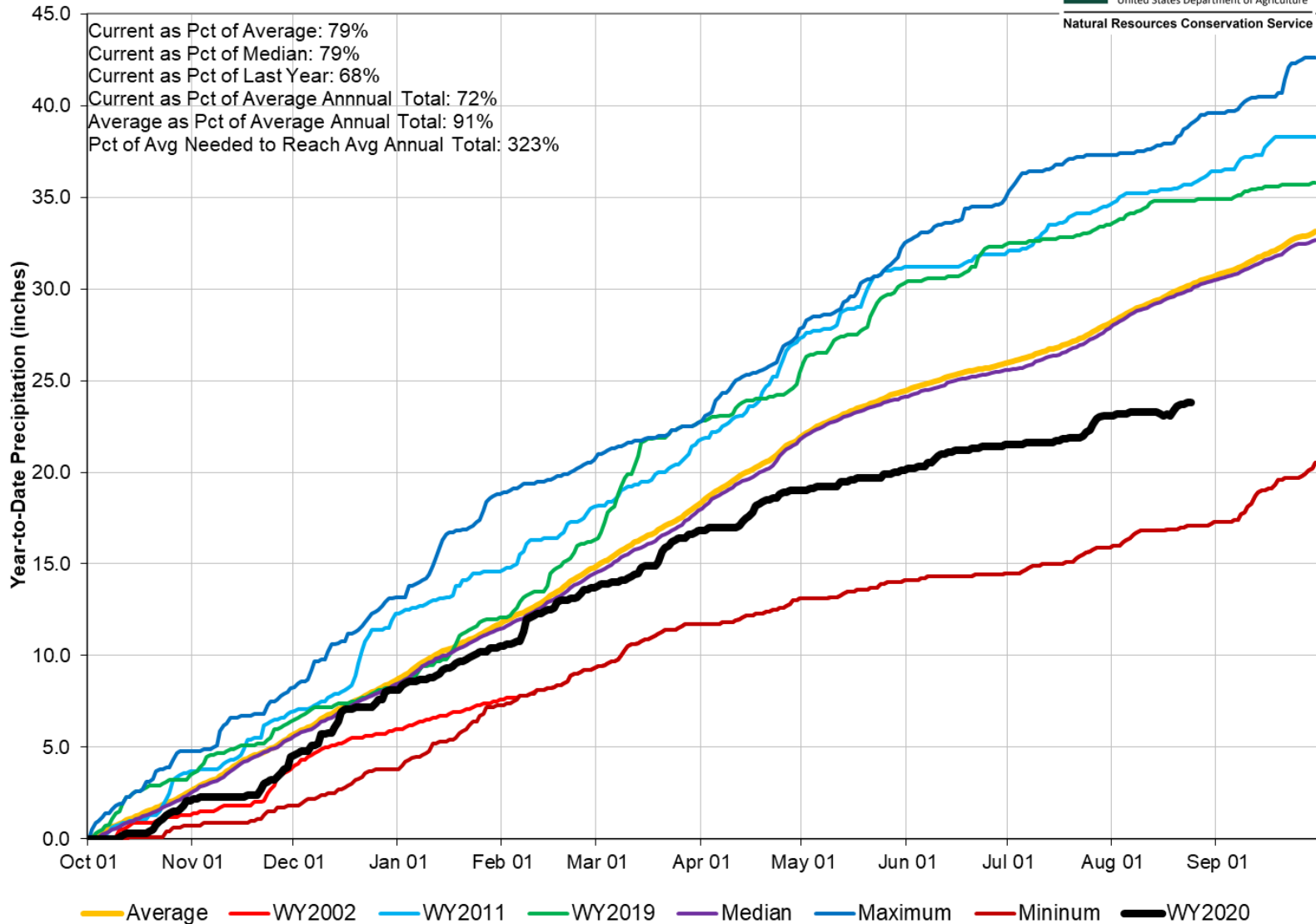
Colorado Statewide High/Low Year-to-Date Precipitation Summary

Based on Provisional SNOTEL data as of Aug 24, 2020



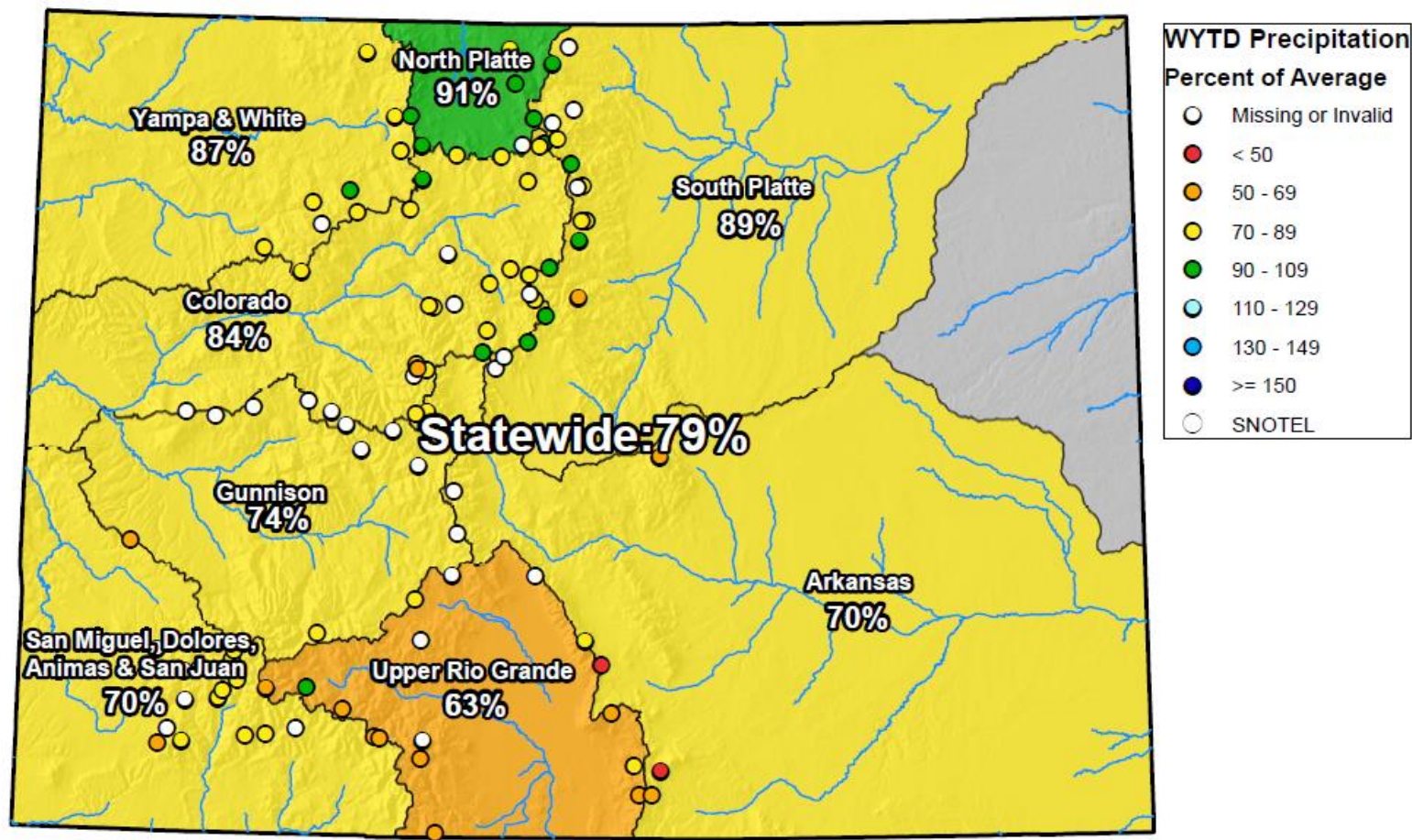
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Colorado SNOTEL Water Year to Date Precipitation

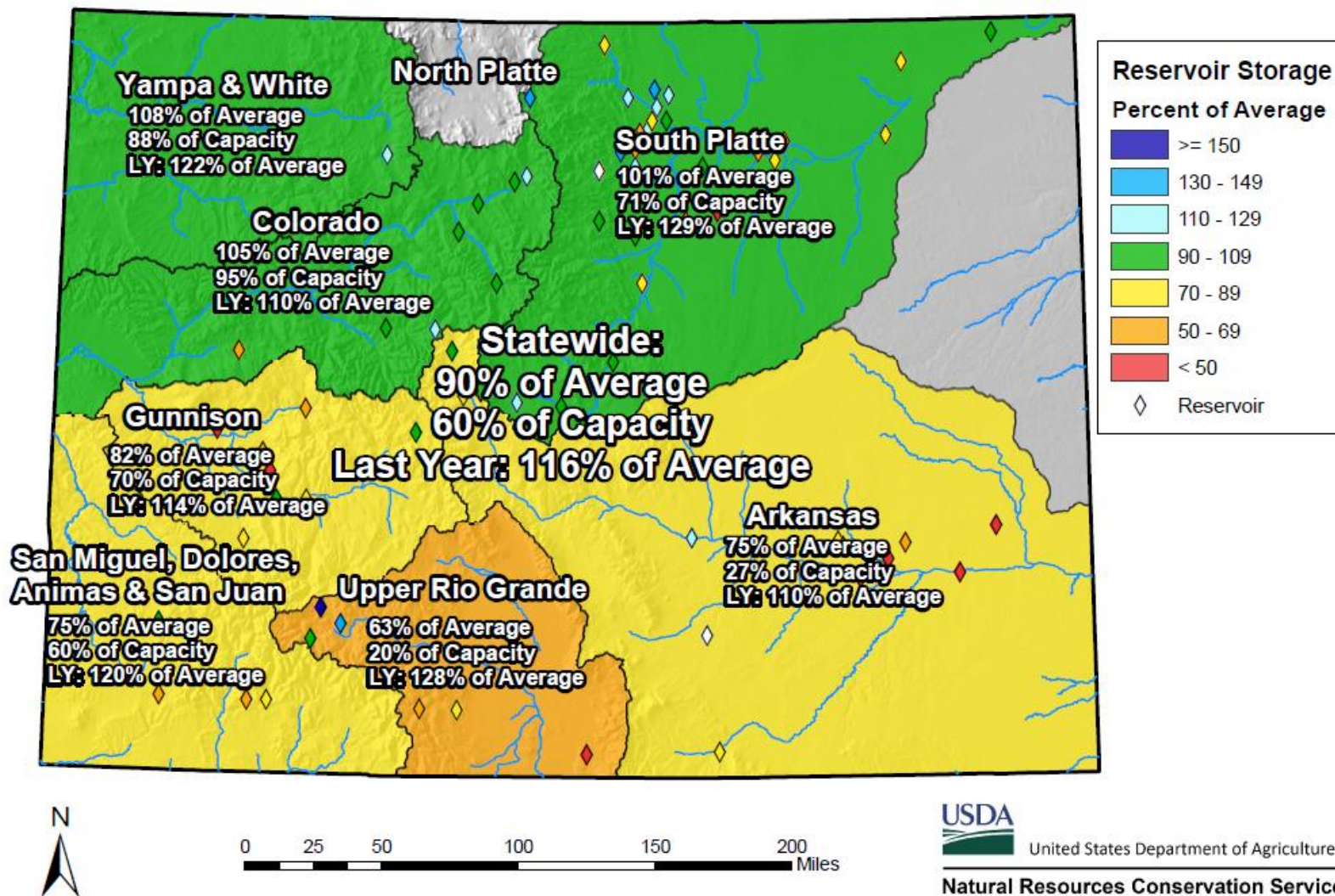
Current as of Aug 24, 2020



0 25 50 100 150 200 Miles

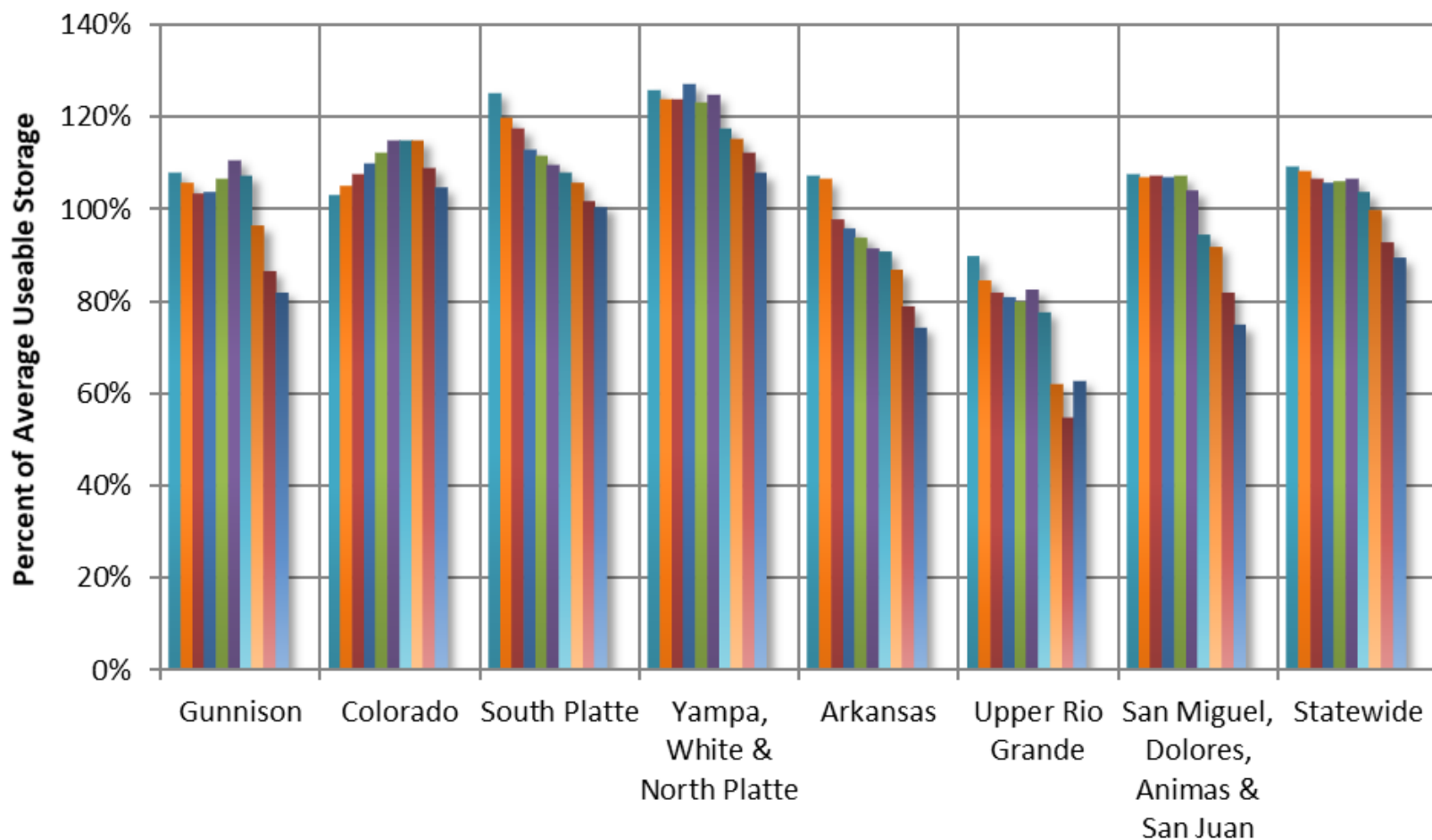
Colorado Monthly Reservoir Storage Summary

End of July 2020

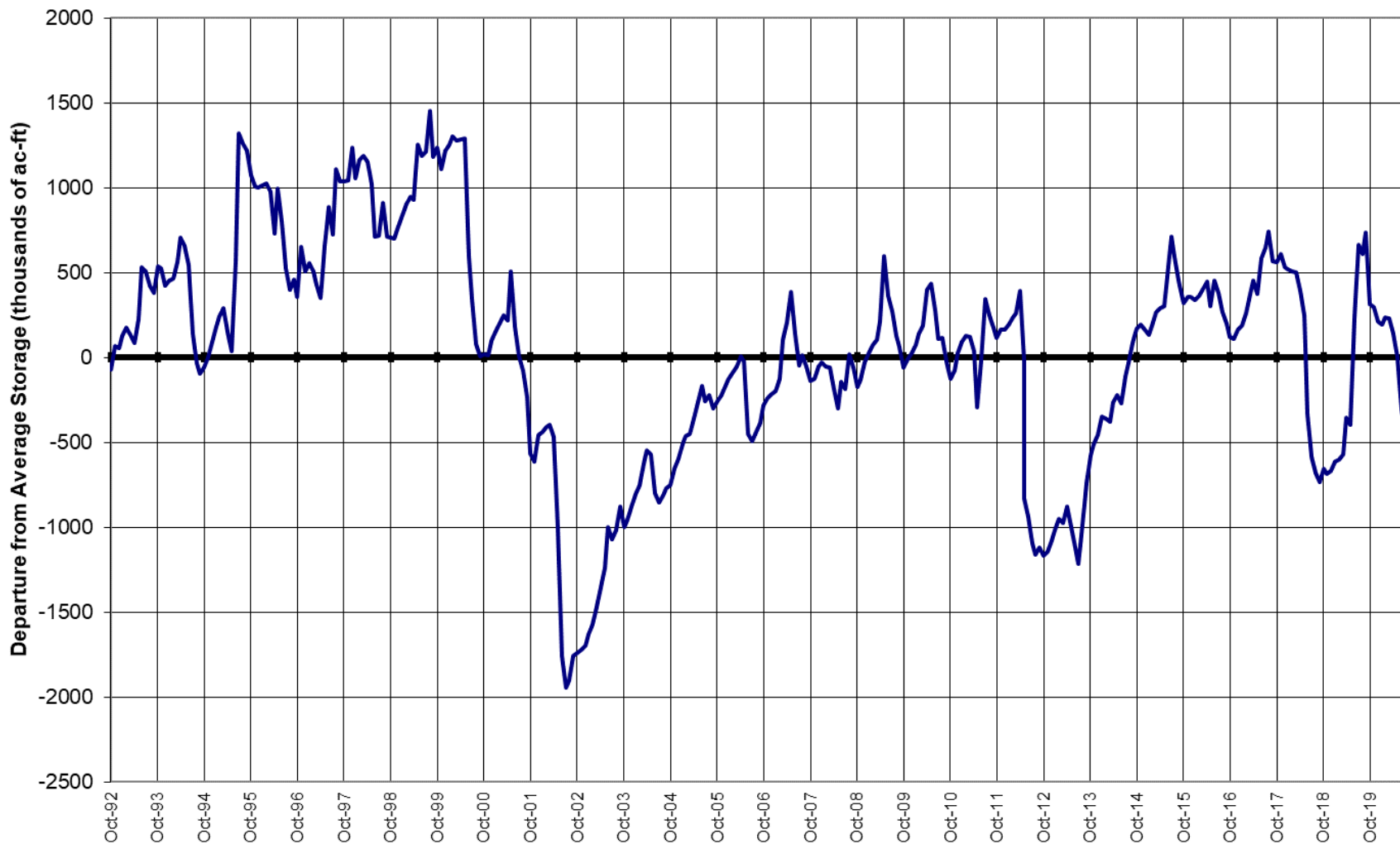


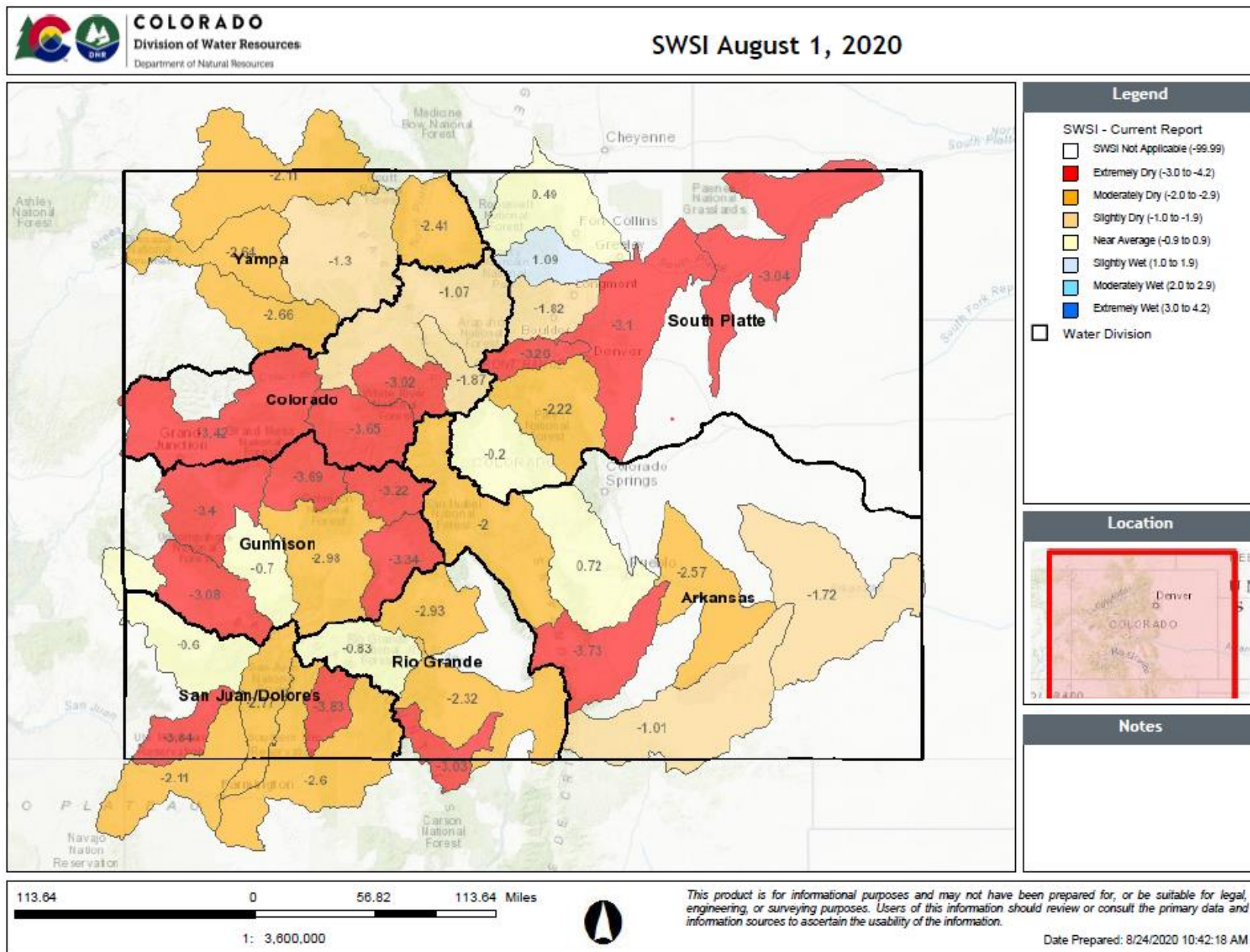
Colorado Reservoir Storage

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





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



United States Department of Agriculture

Colorado Snow Surveys

Water Availability Task Force Meeting

August 25th, 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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