



United States Department of Agriculture

Colorado Snow Surveys

Water Availability Task Force Meeting

July 23rd, 2019

NRCS Snow Survey and Water Supply Forecasting Program

Karl Wetlaufer

Hydrologist

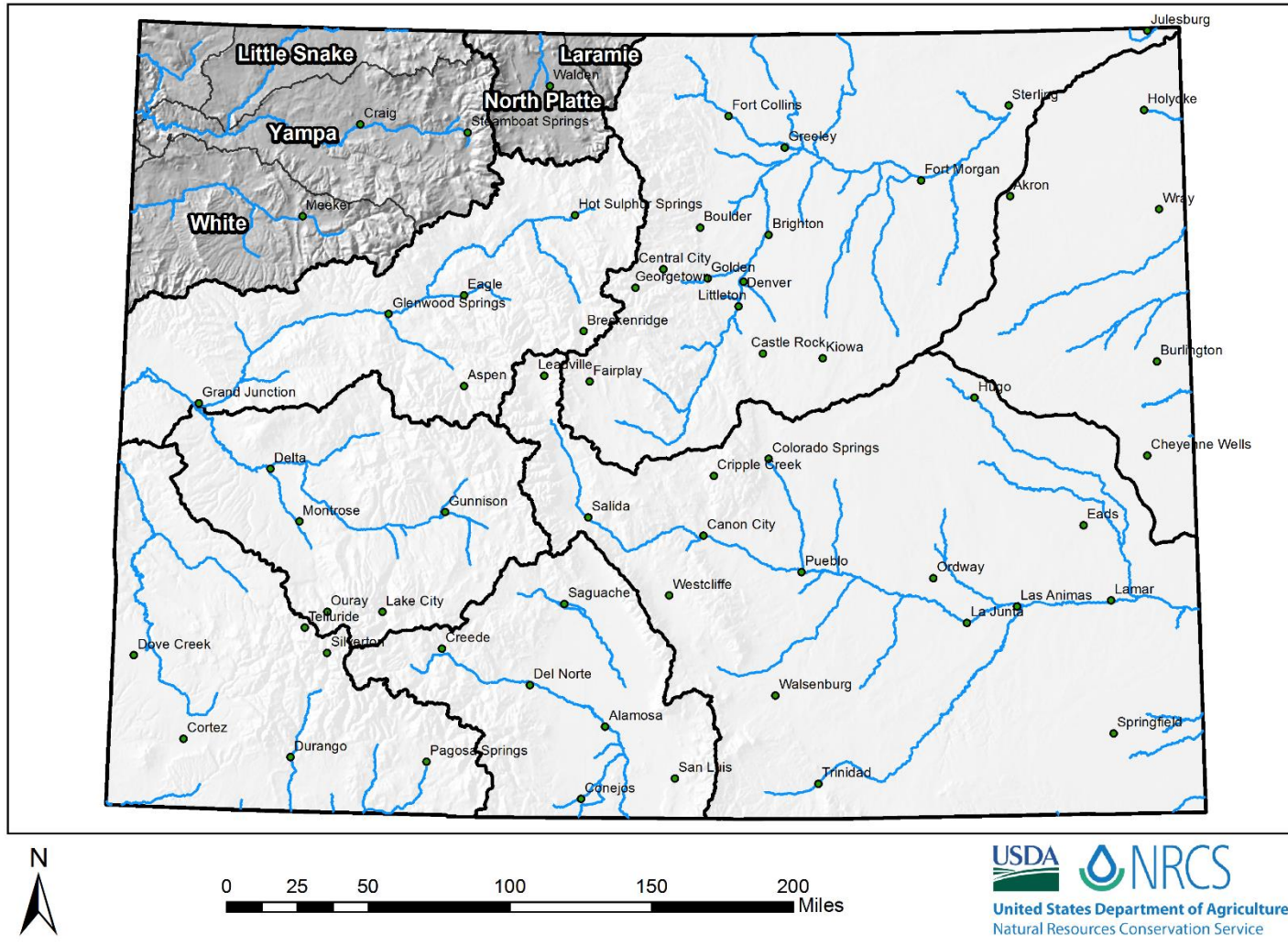
Asst. Snow Survey Supervisor

720-544-2853

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

Major Basin Summary

Yampa, White, and North Platte River Basins



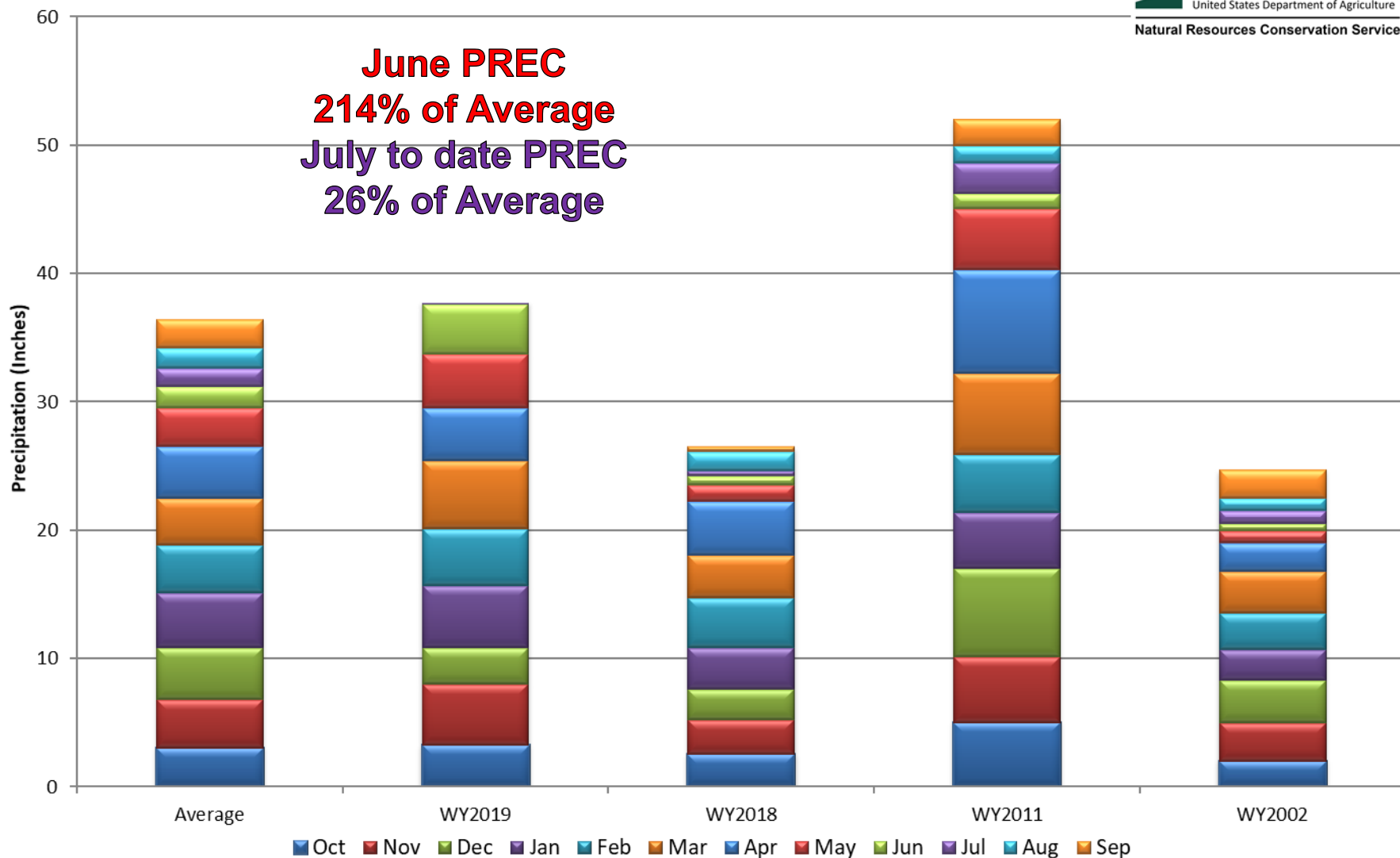
Yampa and White River Basins High/Low Monthly Precipitation Summary

Based on Provisional SNOTEL data as of Jul 19, 2019

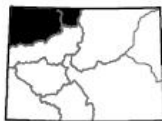
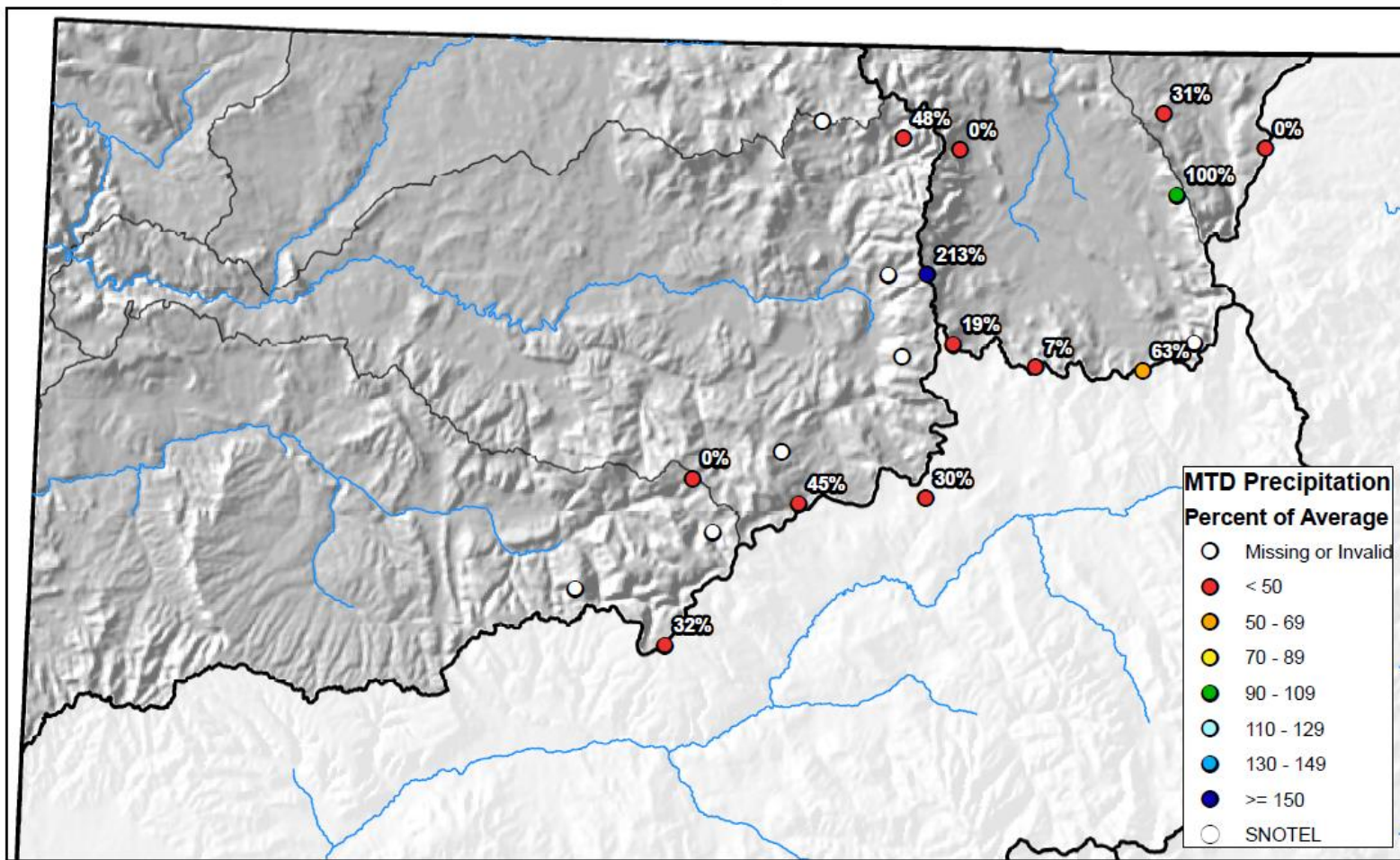


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Yampa, White, and North Platte River Basins Month to Date Precipitation Summary Current as of Jul 22, 2019



0 10 20 40 60 80 Miles

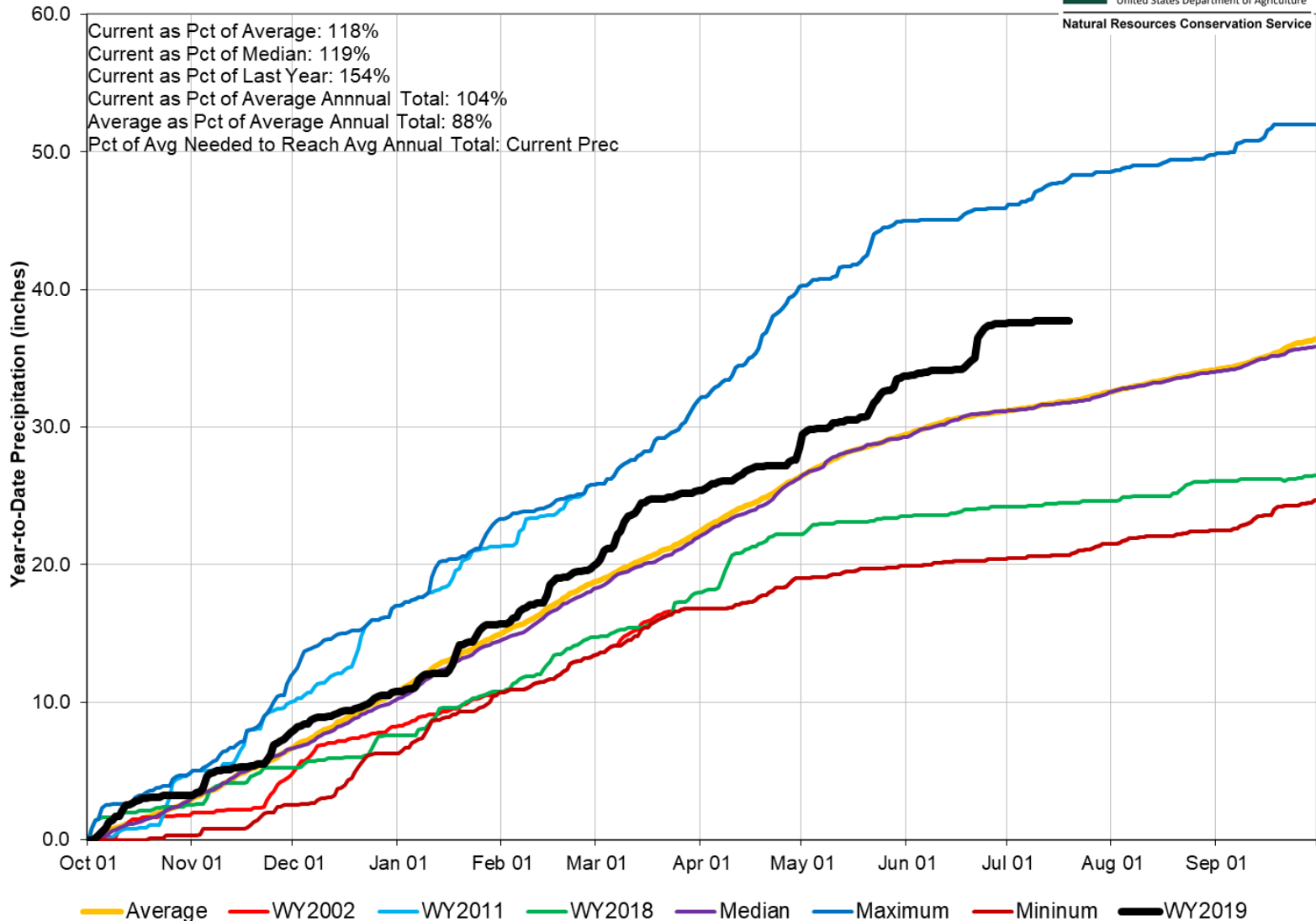
Yampa and White River Basins High/Low Year-to-Date Precipitation Summary

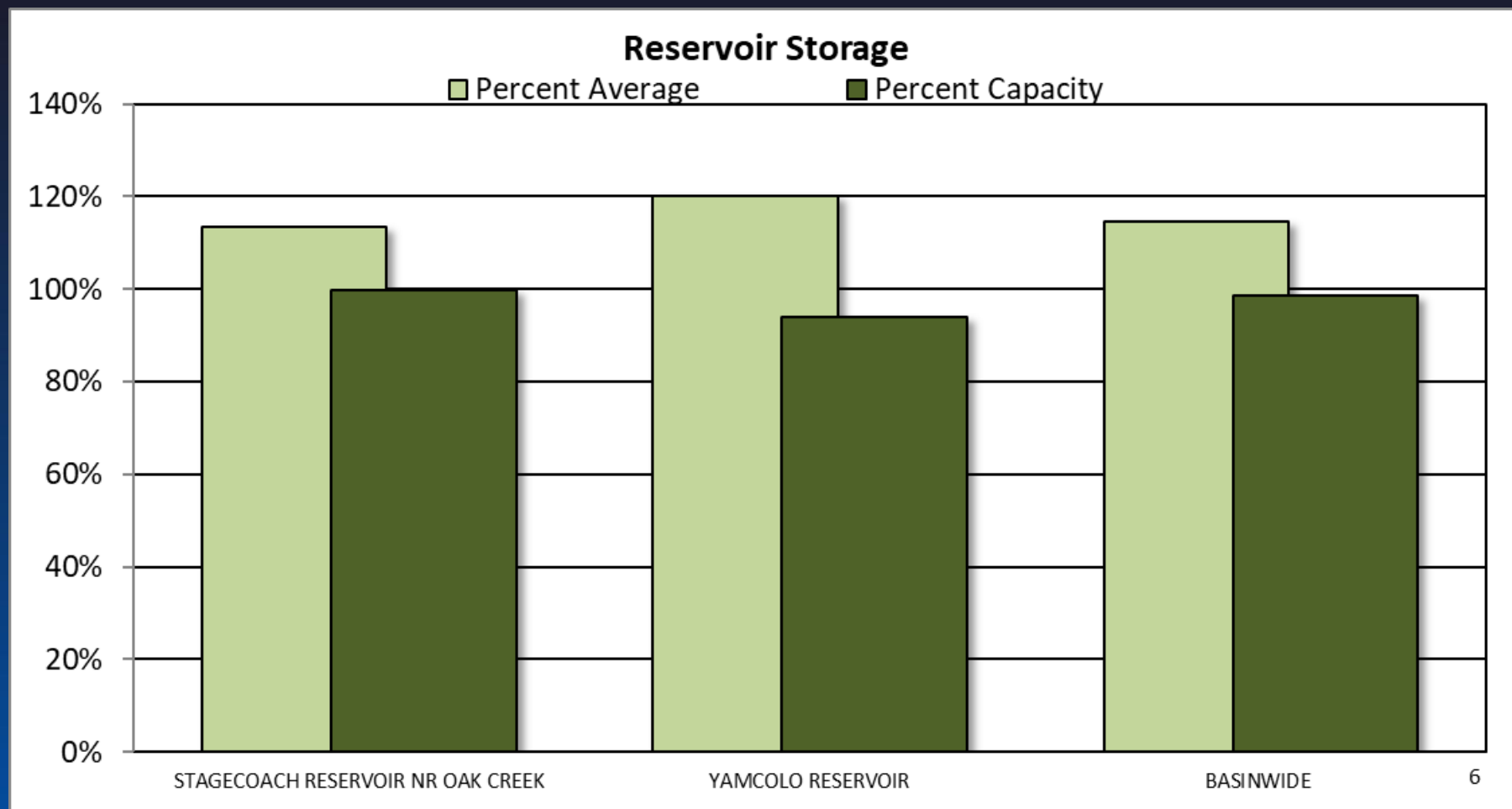
Based on Provisional SNOTEL data as of Jul 19, 2019



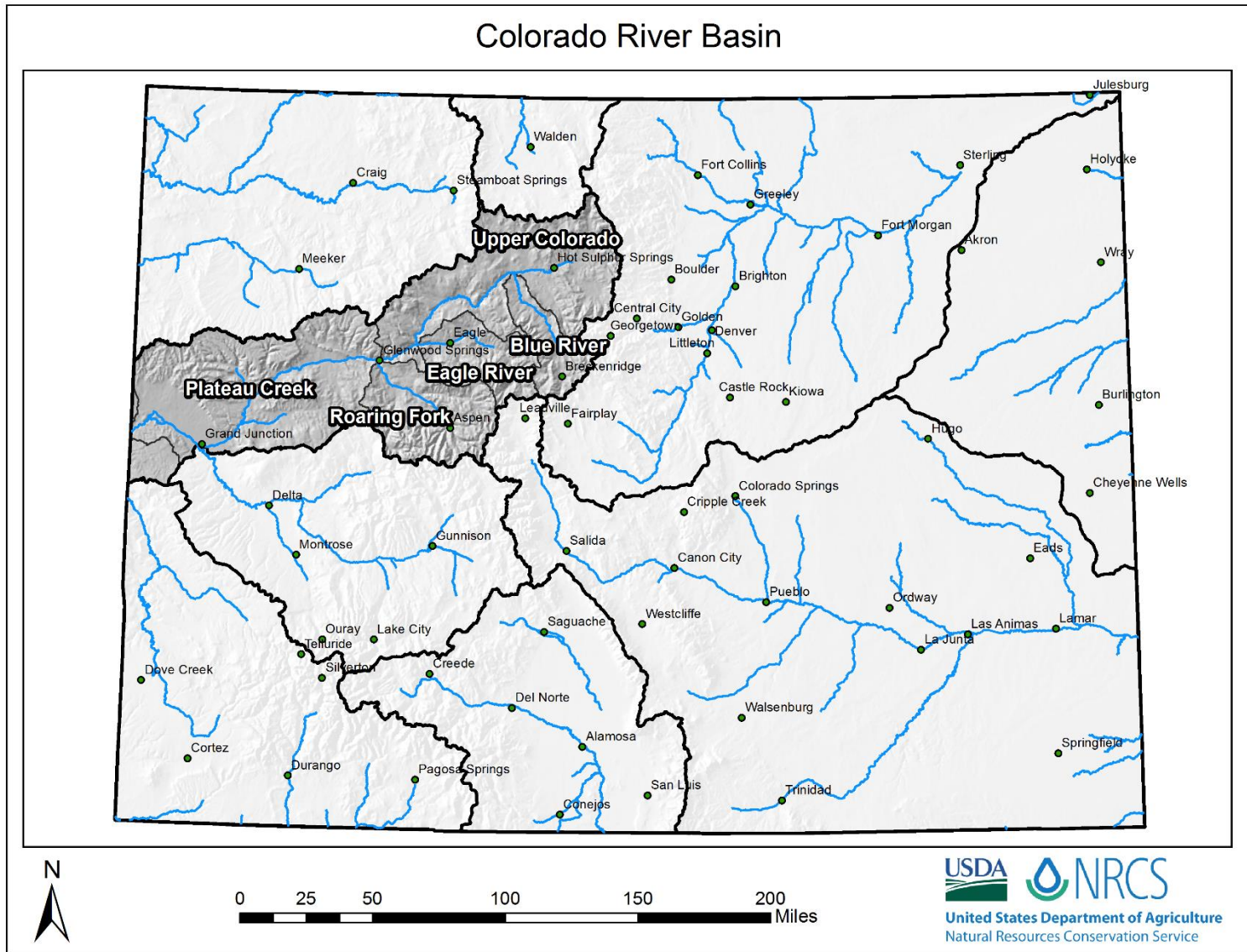
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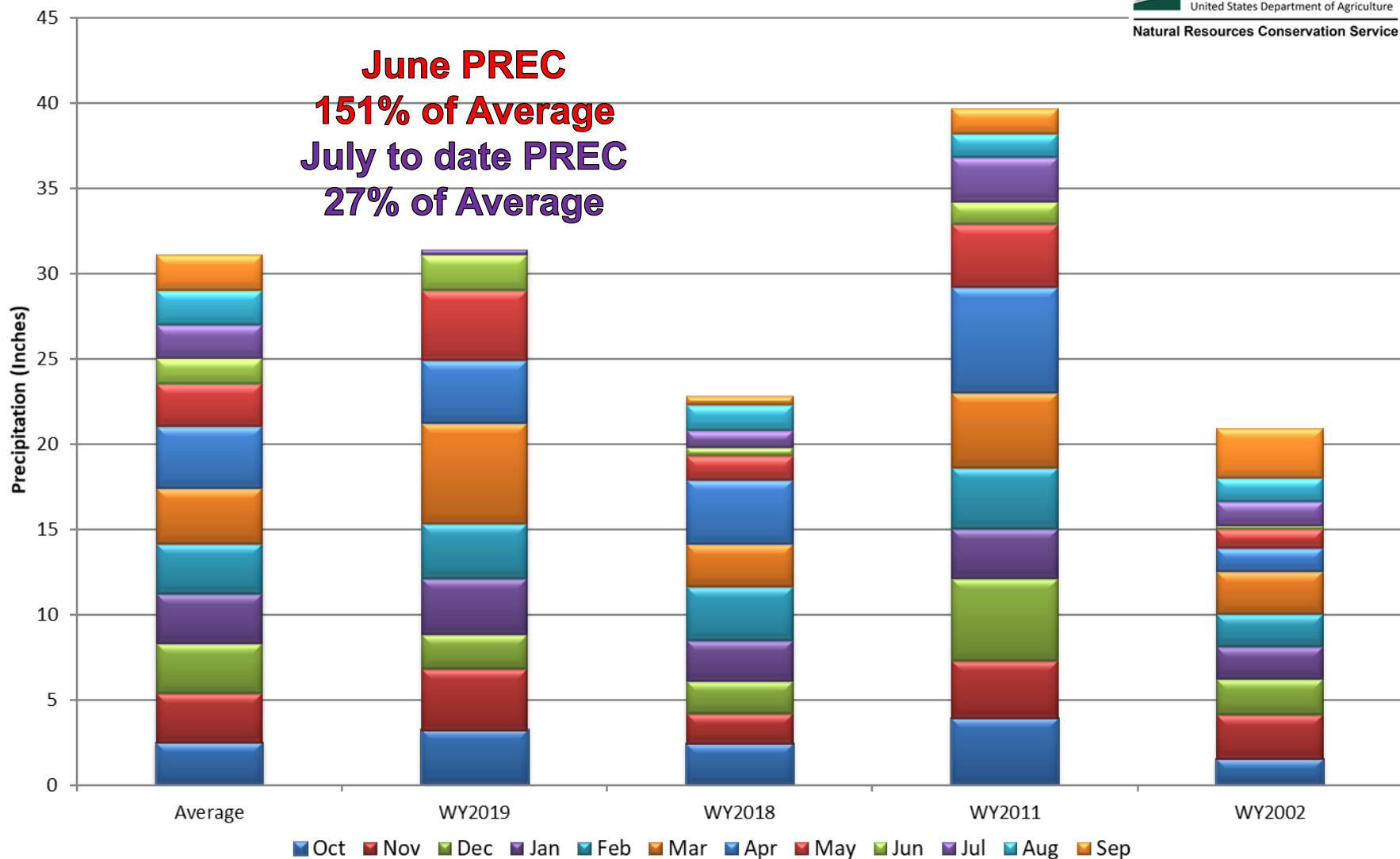


Major Basin Summary

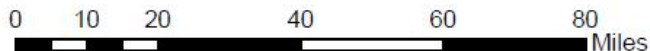
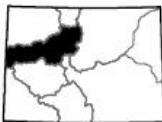
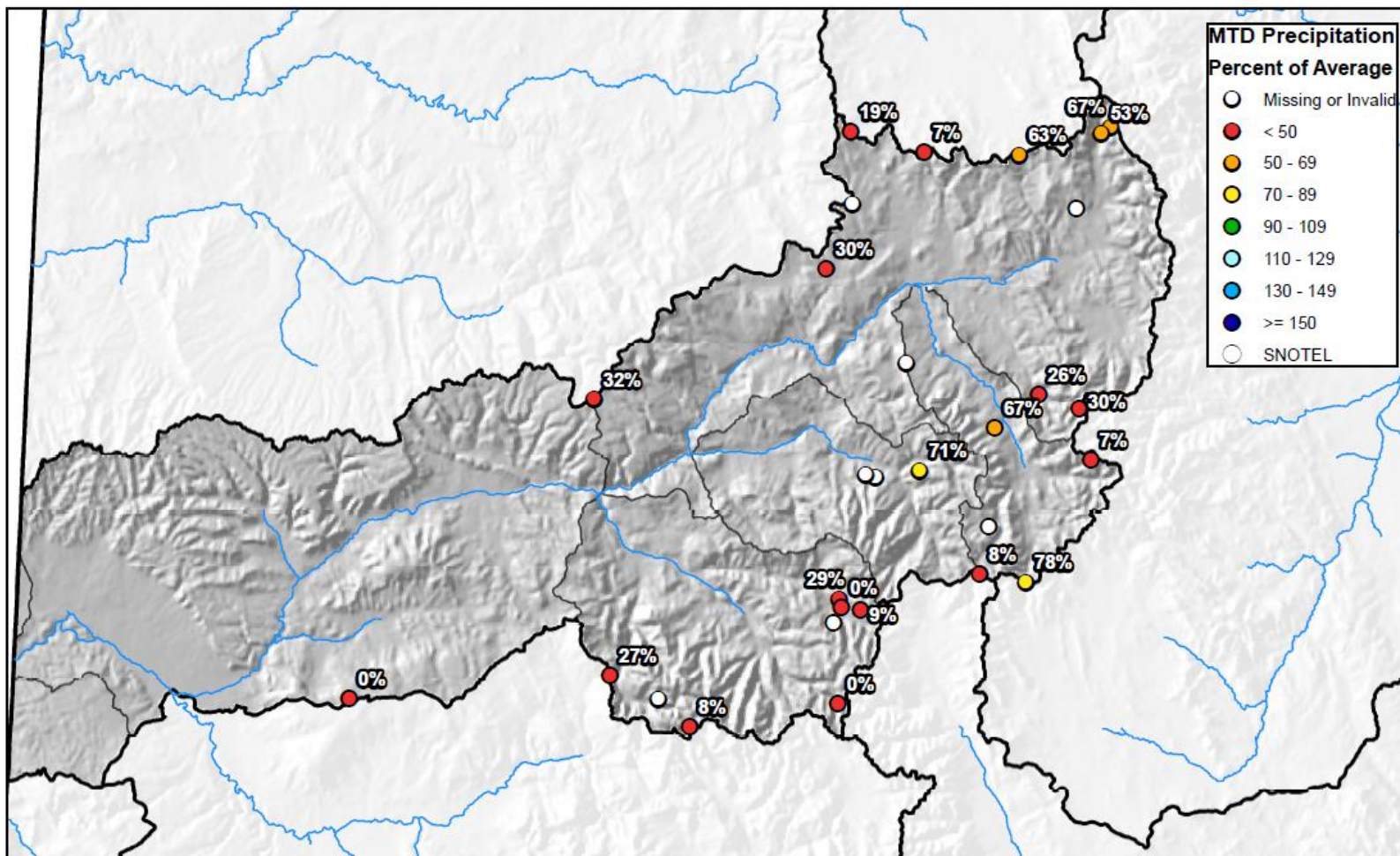


Upper Colorado River Basin High/Low Monthly Precipitation Summary

Based on Provisional SNOTEL data as of Jul 19, 2019



Upper Colorado River Basin Month to Date Precipitation Summary Current as of Jul 22, 2019



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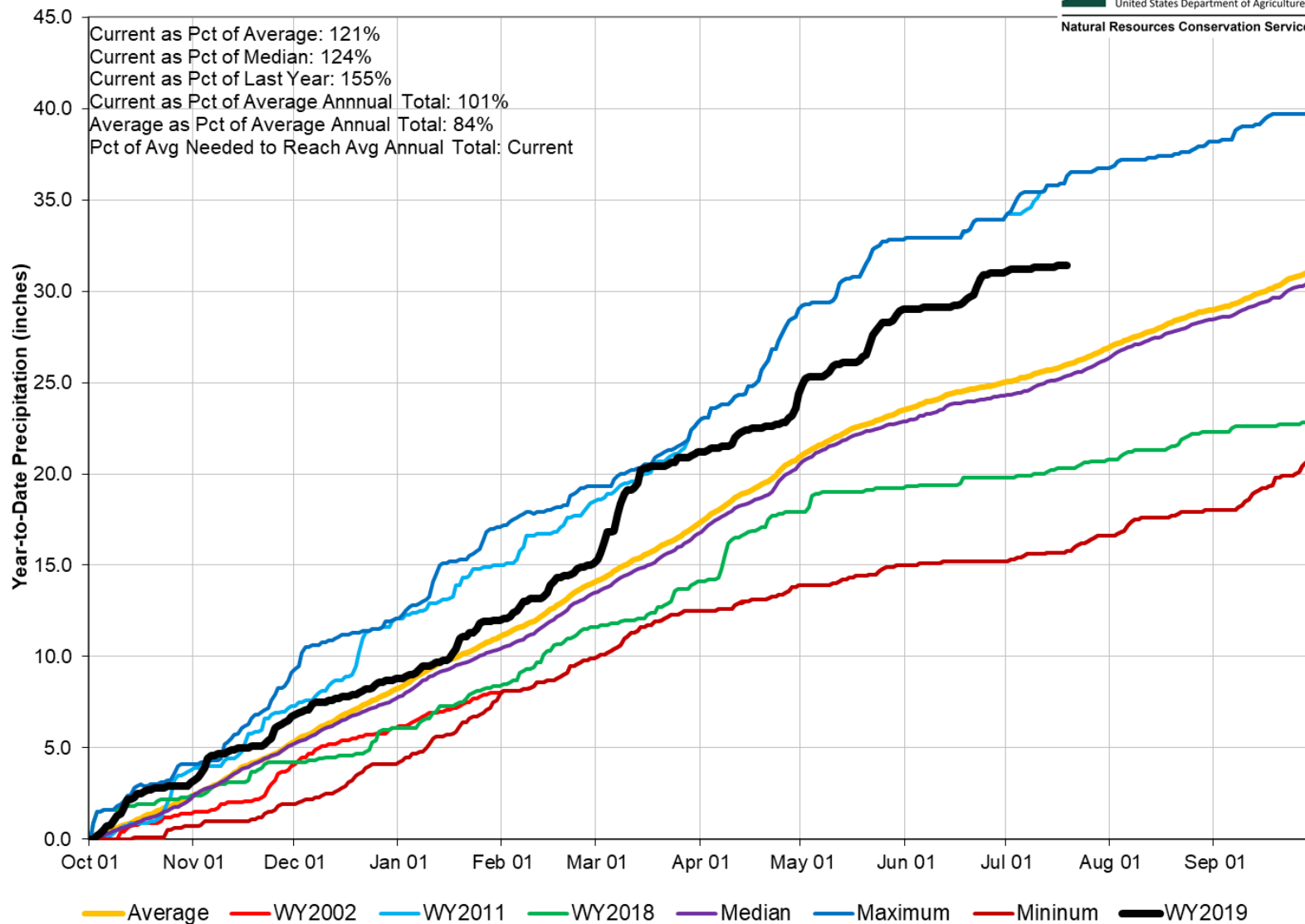
Upper Colorado River Basin High/Low Year-to-Date Precipitation Summary

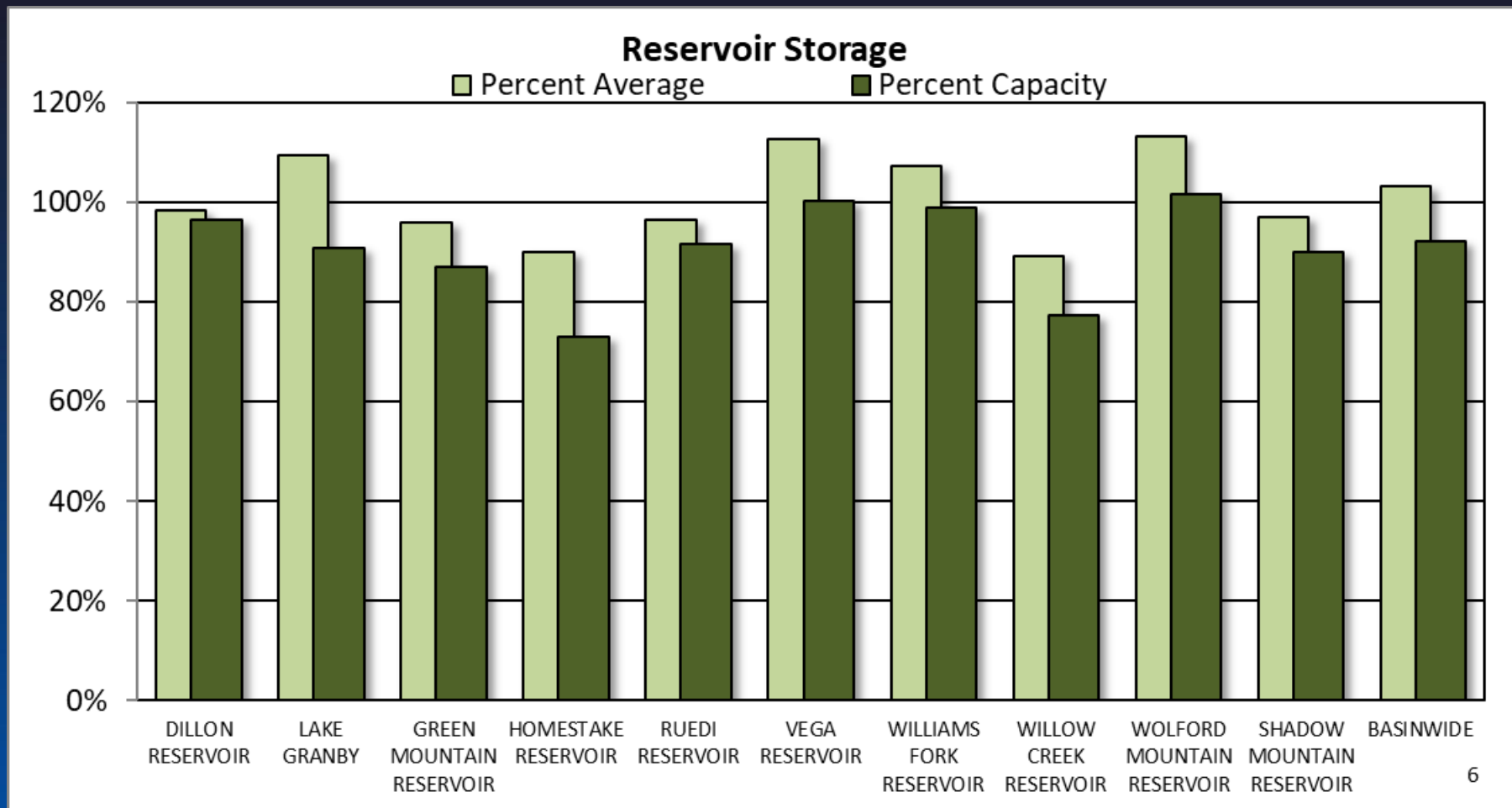
Based on Provisional SNOTEL data as of Jul 19, 2019



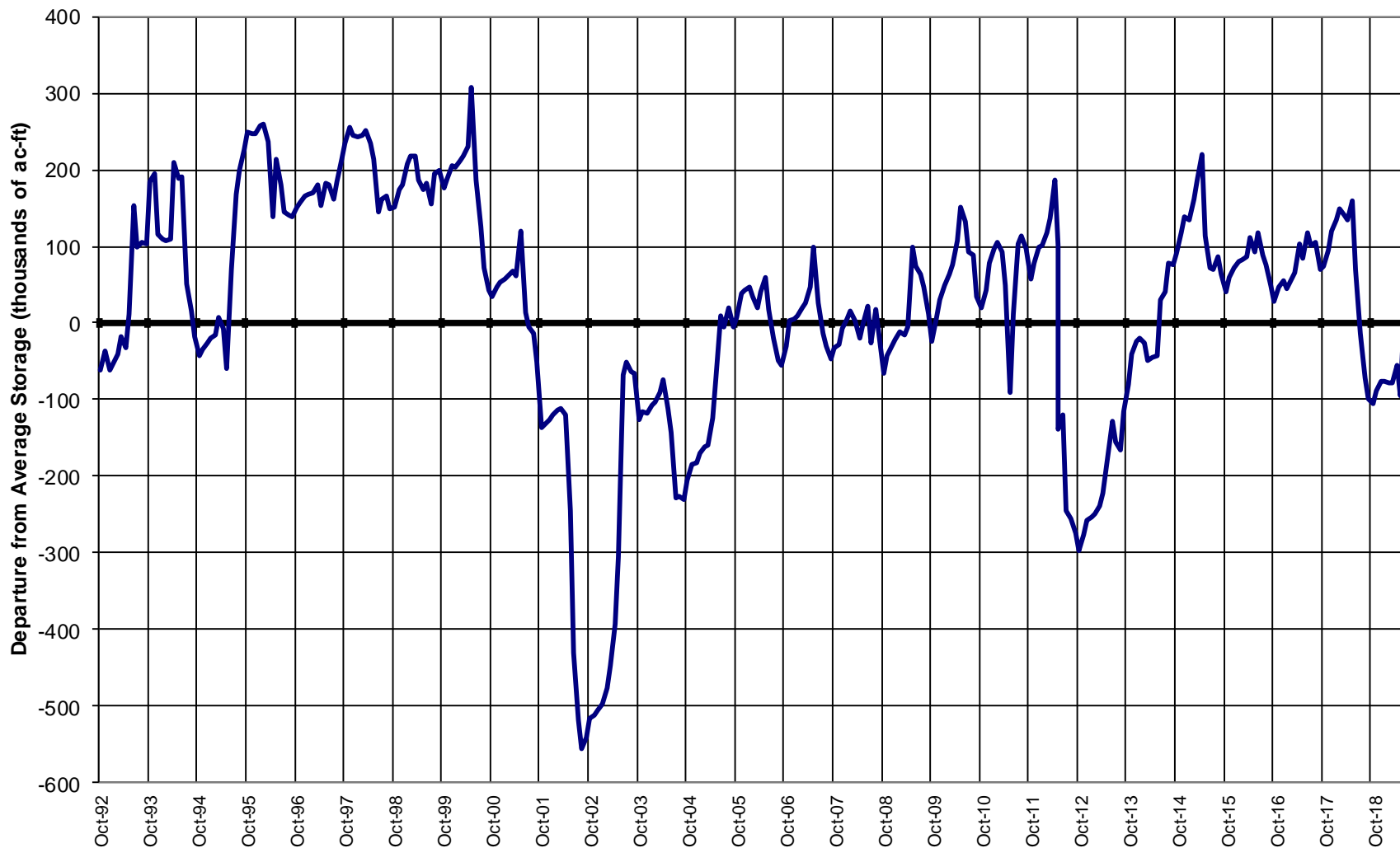
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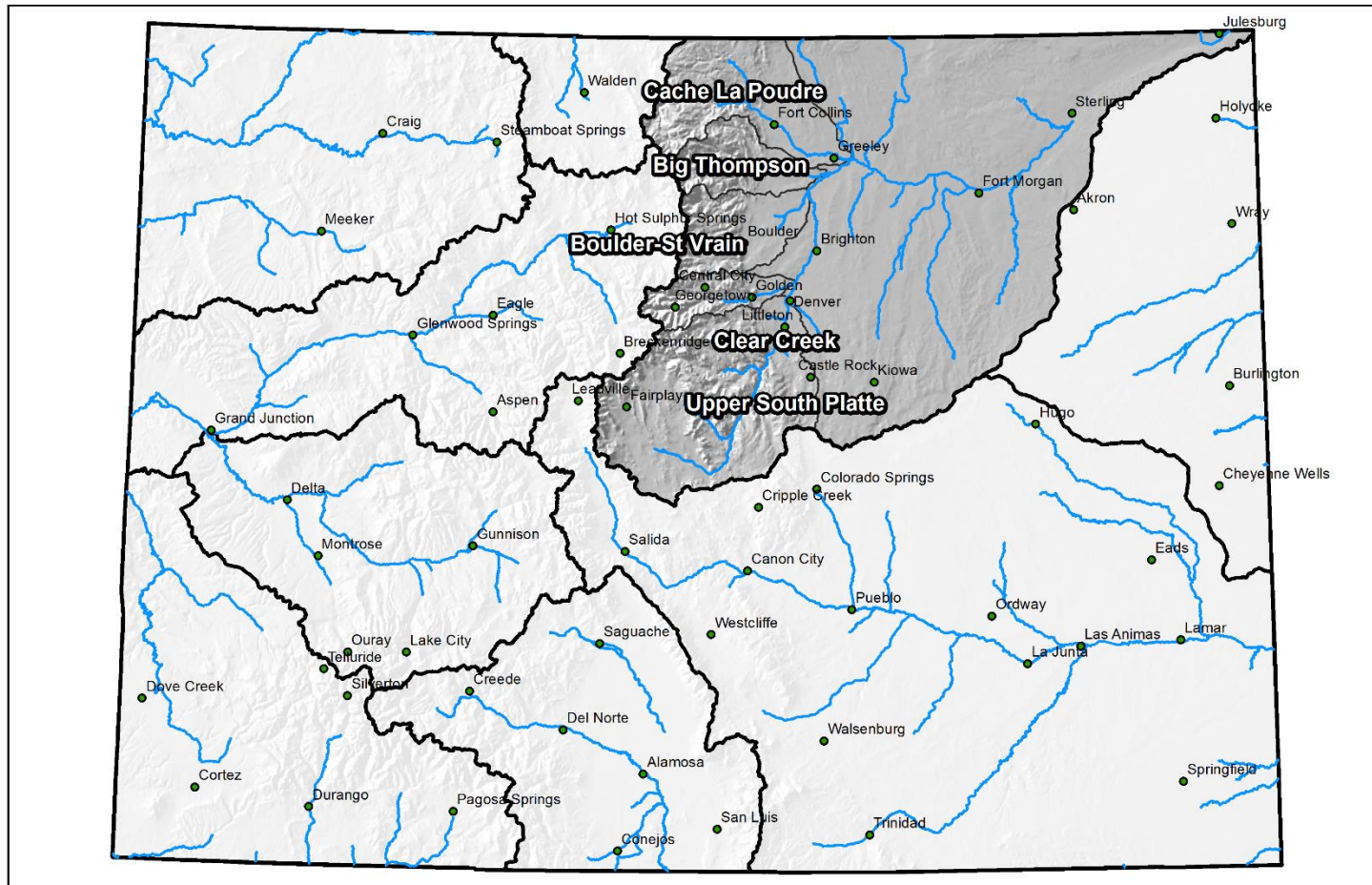


COLORADO RIVER BASIN Reservoir Storage Departure from Average



Major Basin Summary

South Platte River Basin



0 25 50 100 150 200 Miles

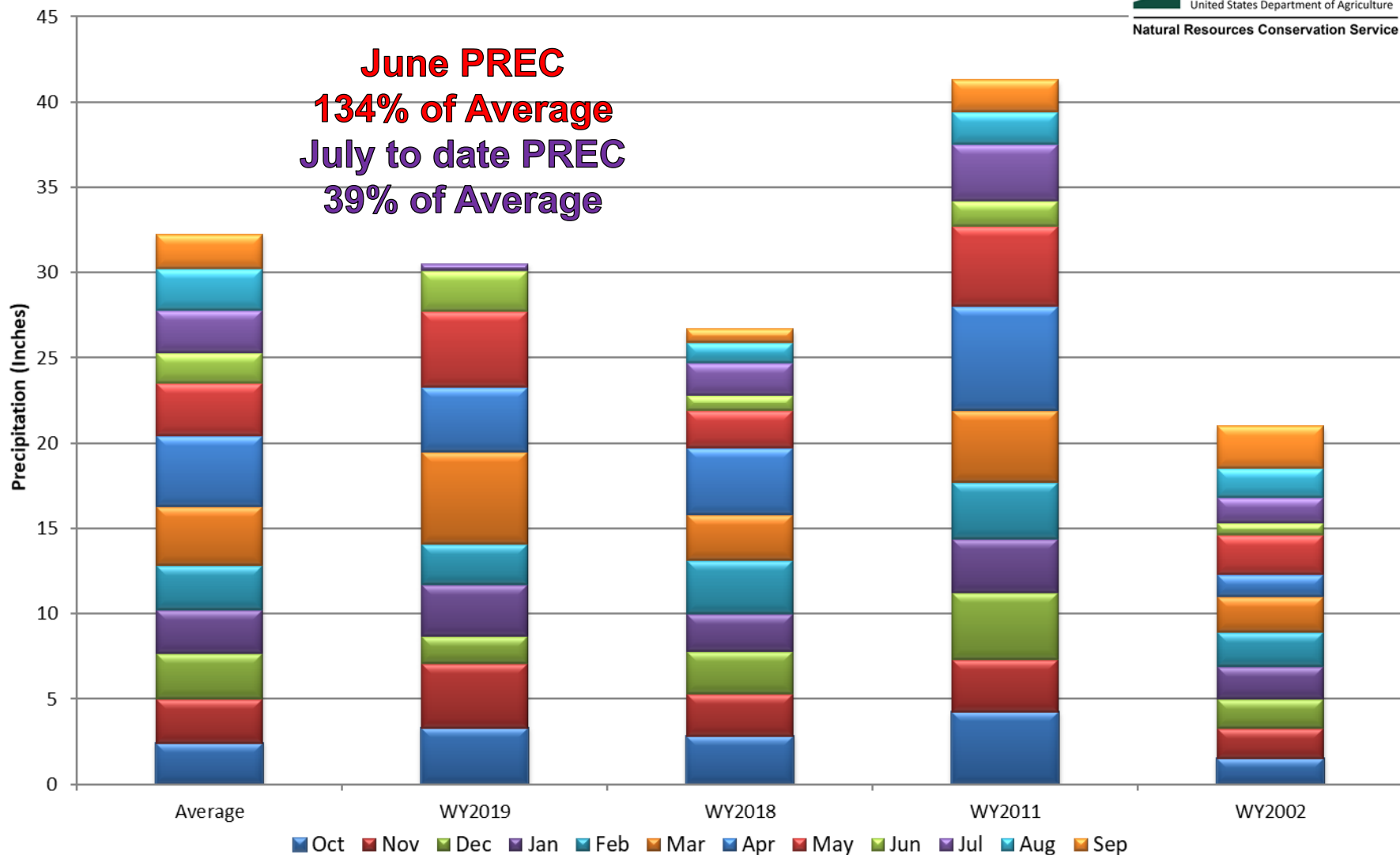
South Platte River Basin High/Low Monthly Precipitation Summary

Based on Provisional SNOTEL data as of Jul 19, 2019



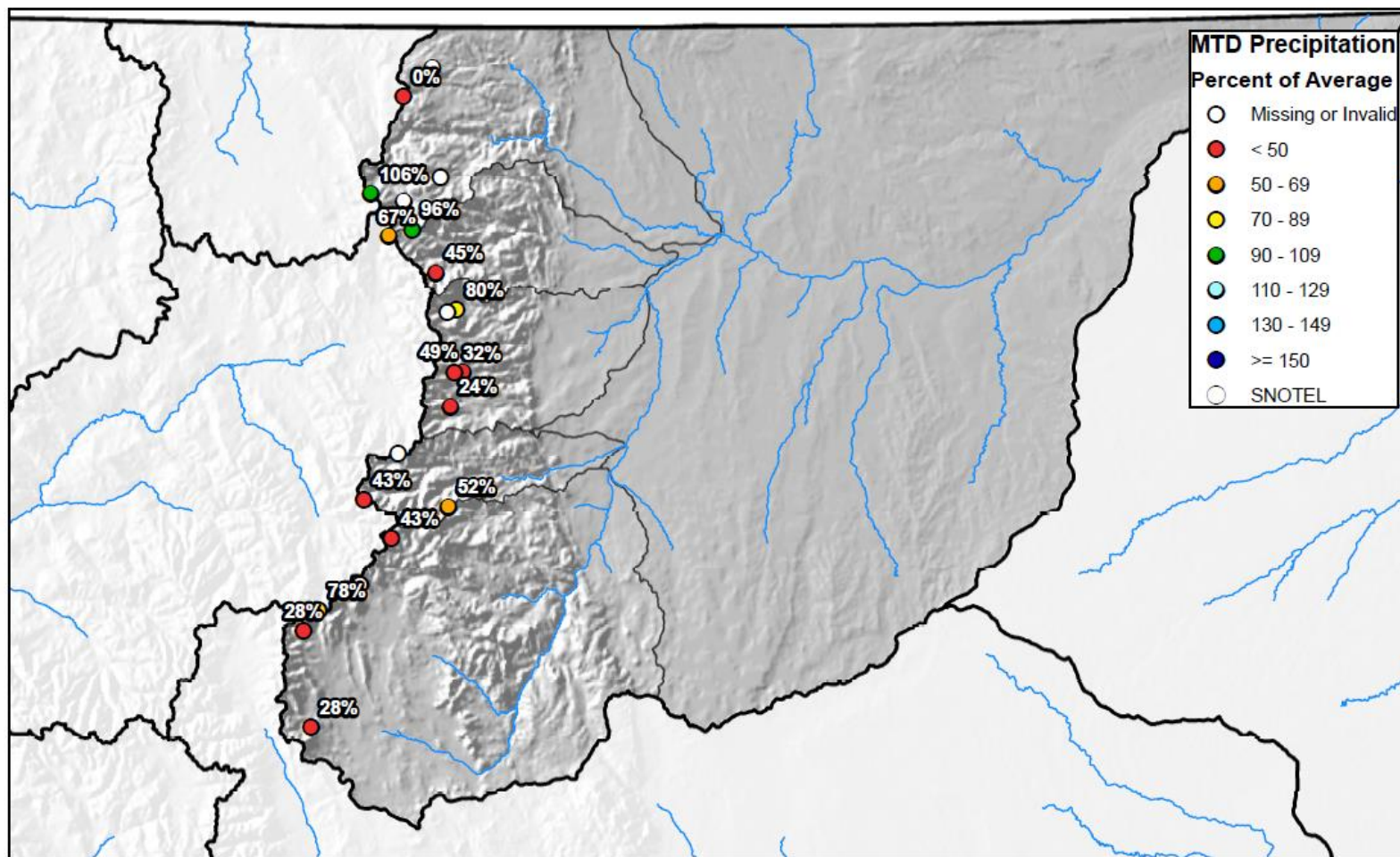
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South Platte River Basin Month to Date Precipitation Summary

Current as of Jul 22, 2019



0 10 20 40 60 80 Miles

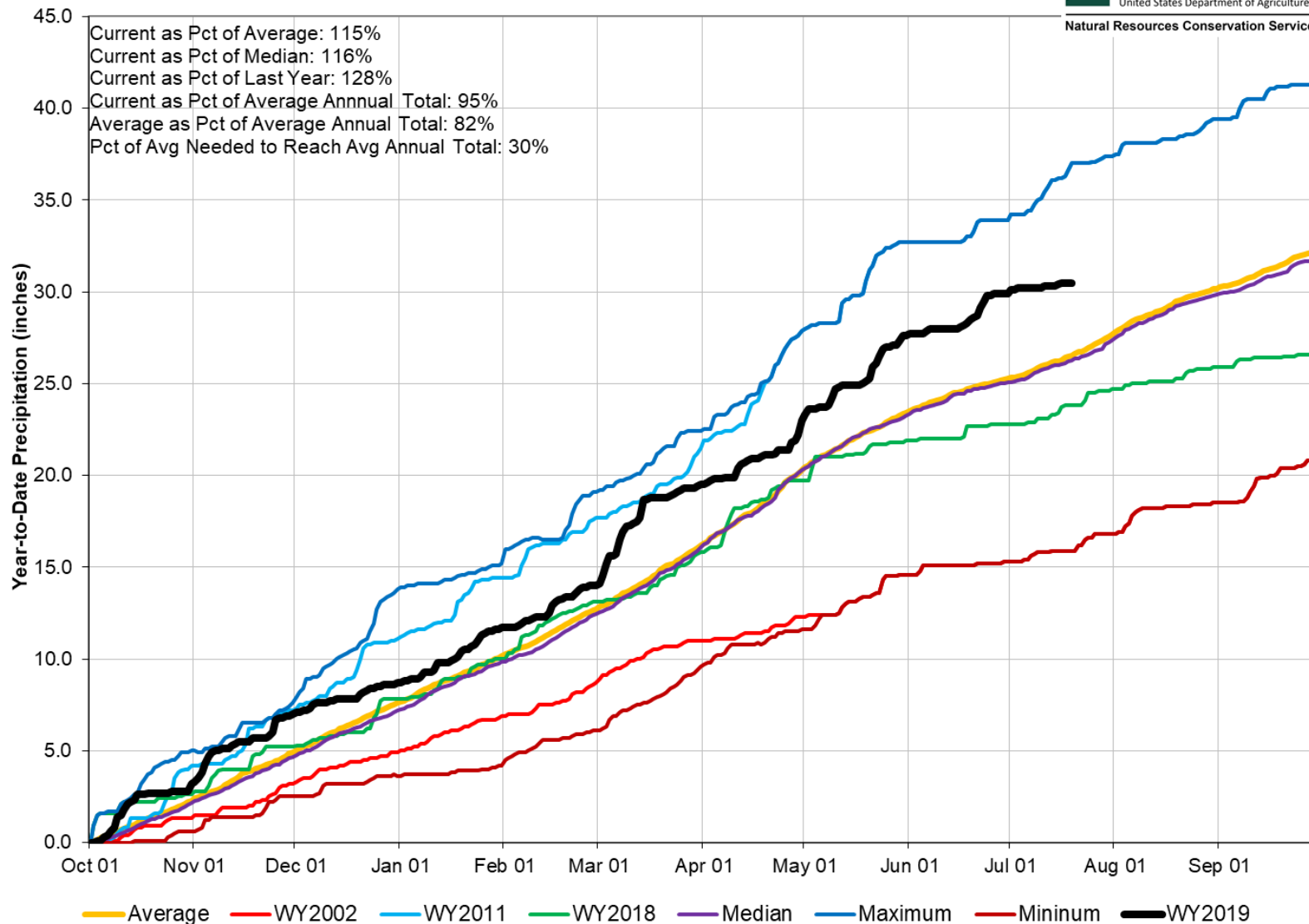
South Platte River Basin High/Low Year-to-Date Precipitation Summary

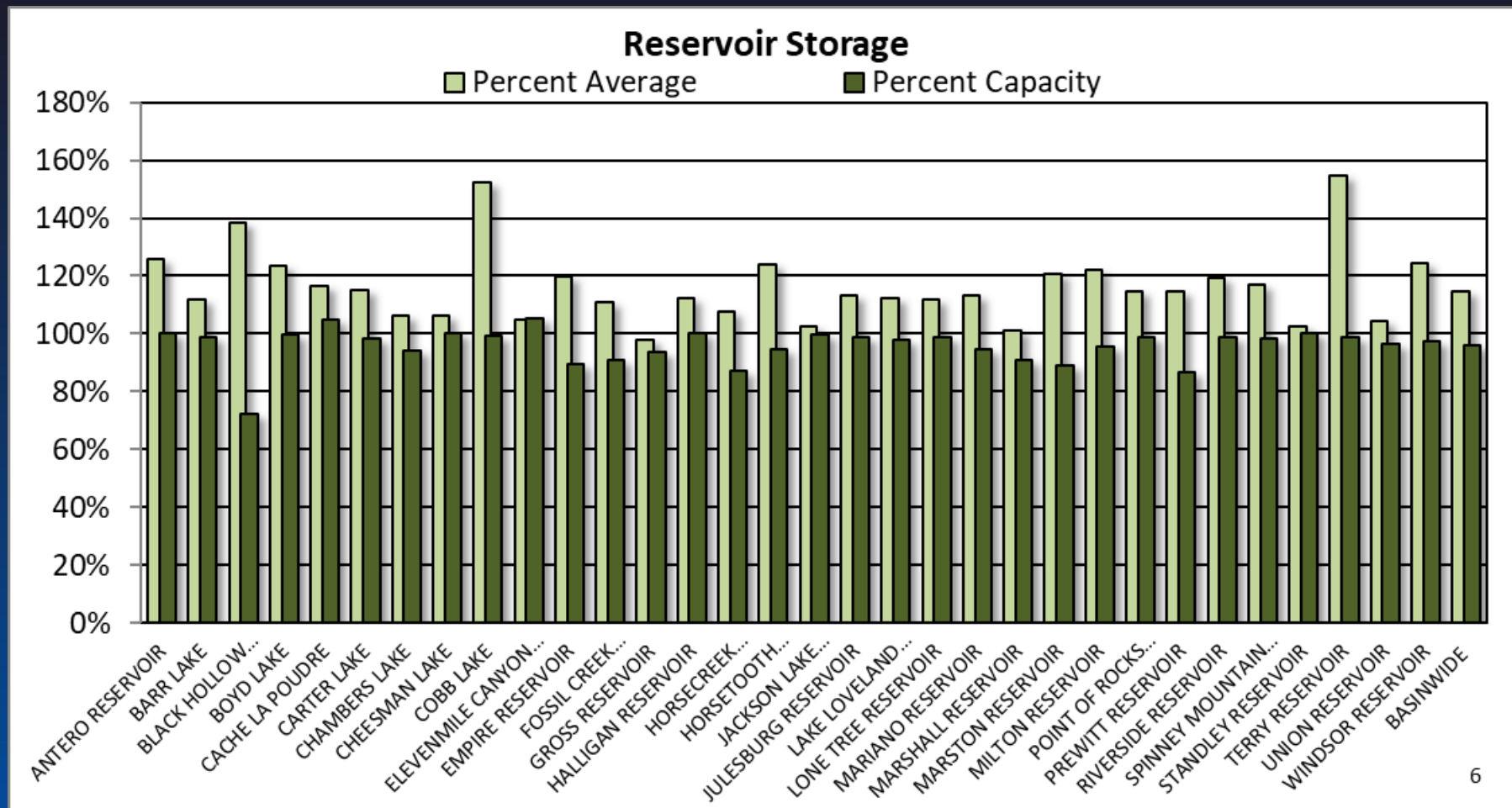
Based on Provisional SNOTEL data as of Jul 19, 2019



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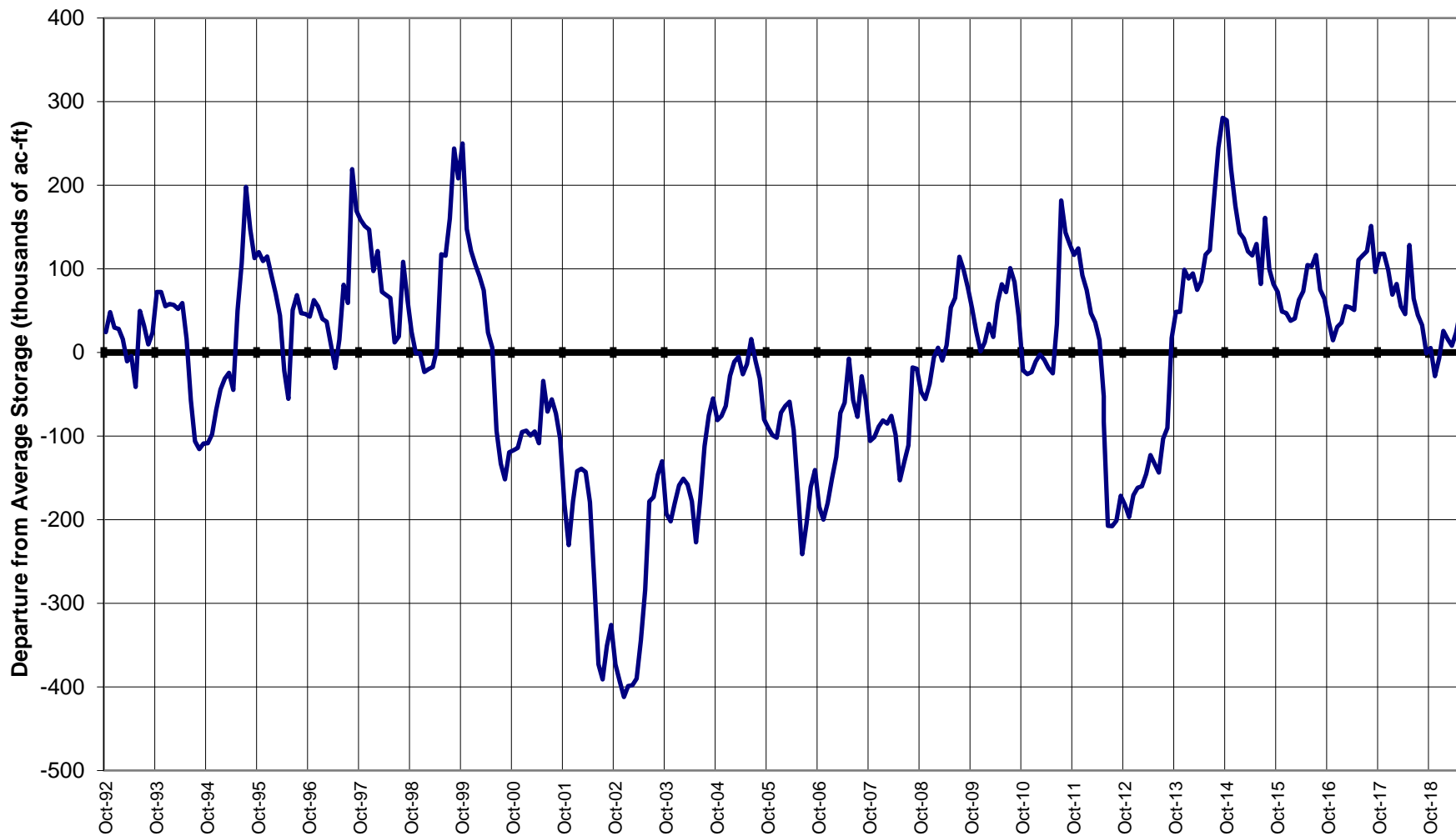
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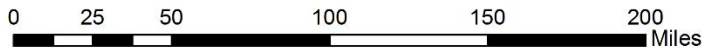
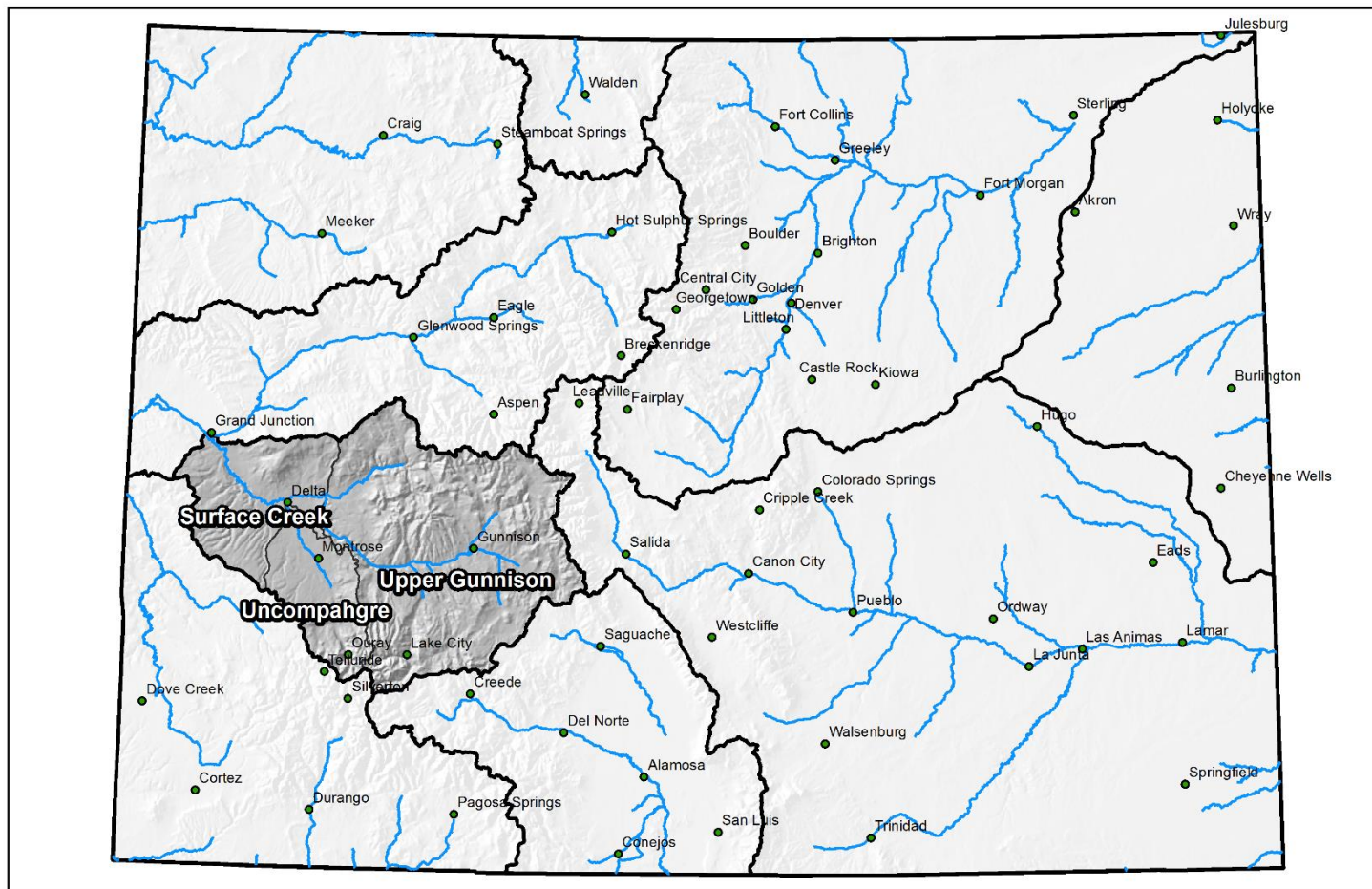


SOUTH PLATTE RIVER BASIN Reservoir Storage Departure from Average



Major Basin Summary

Gunnison River Basin



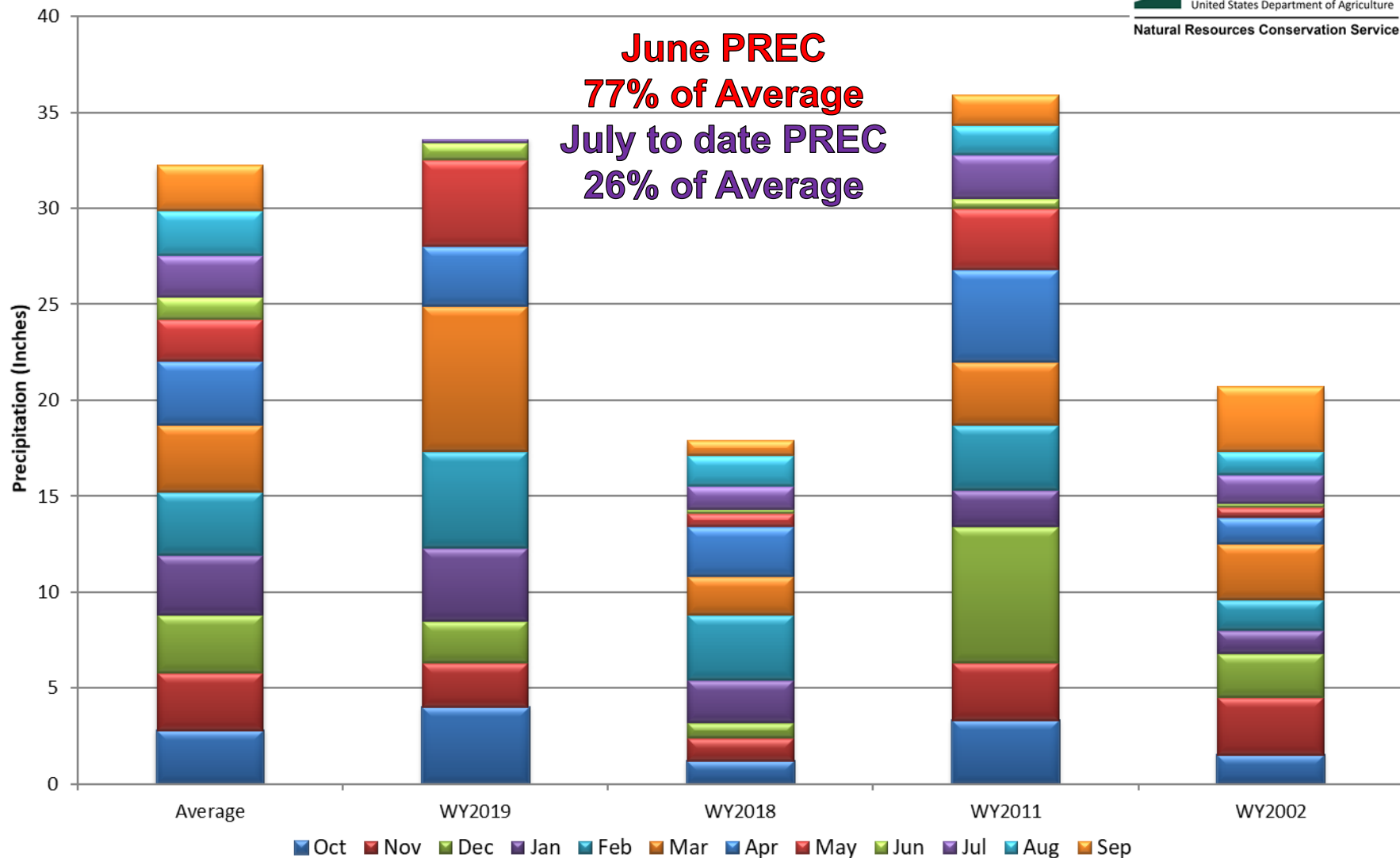
Gunnison River Basin High/Low Monthly Precipitation Summary

Based on Provisional SNOTEL data as of Jul 19, 2019



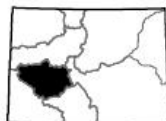
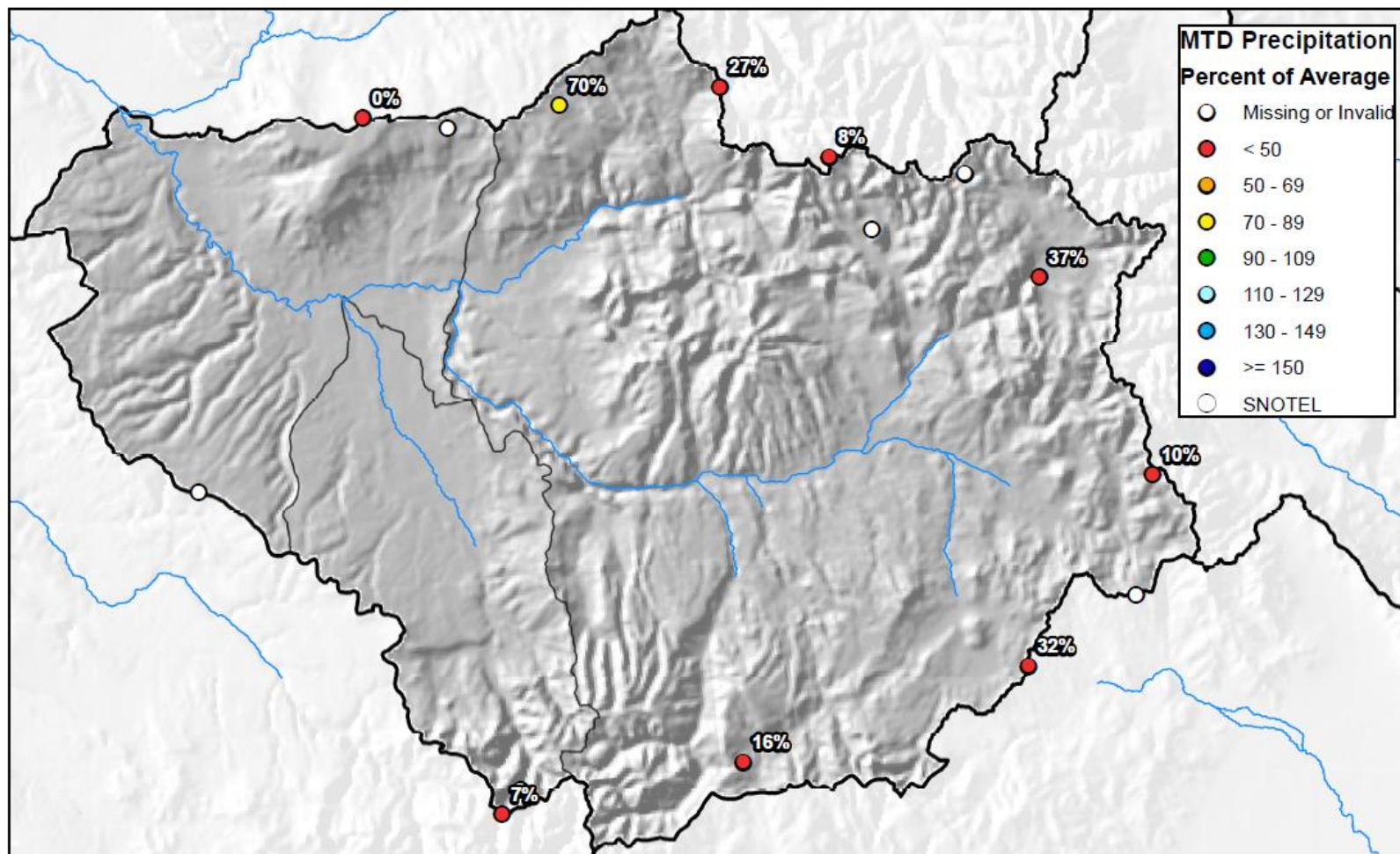
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Gunnison River Basin Month to Date Precipitation Summary

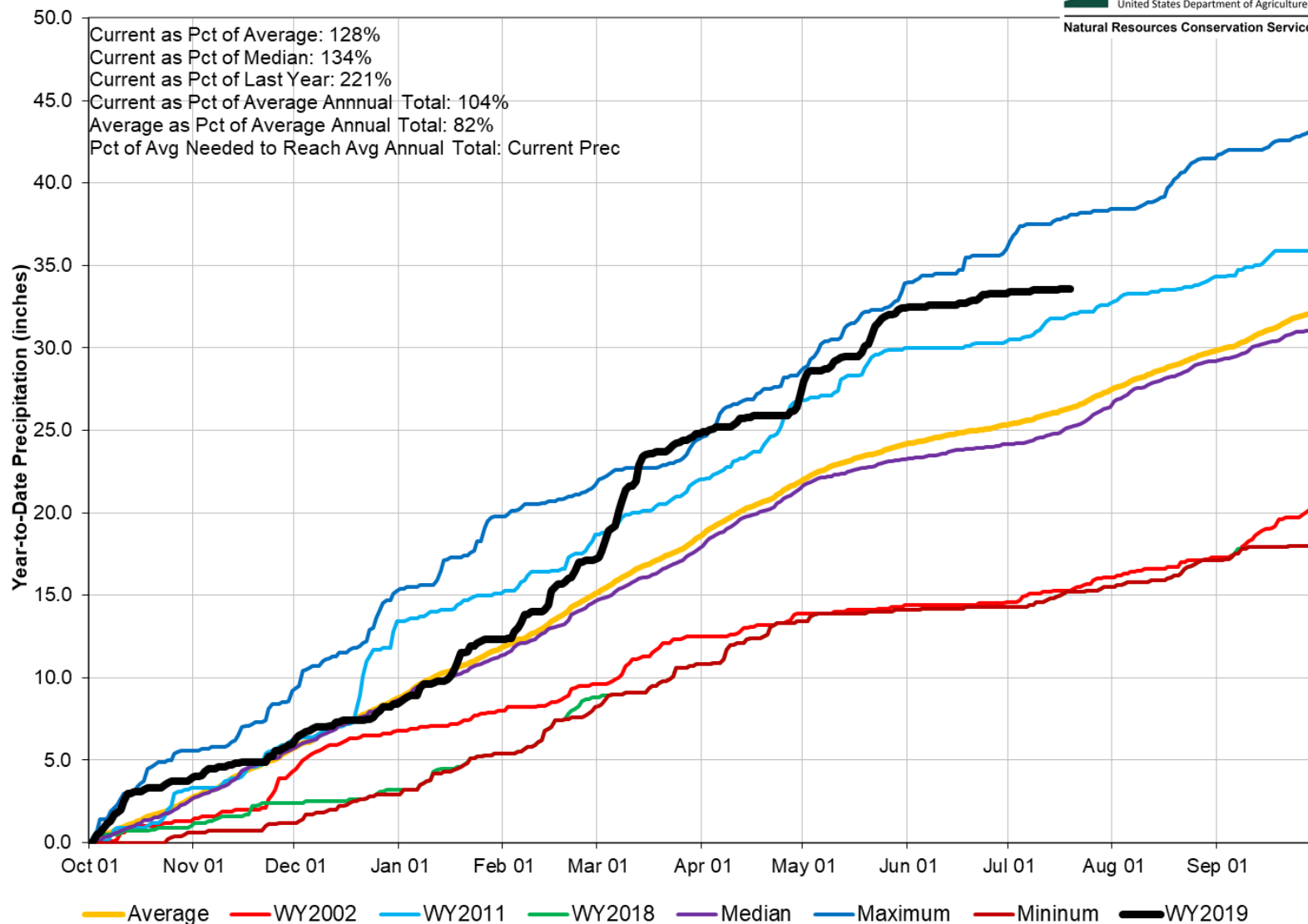
Current as of Jul 22, 2019

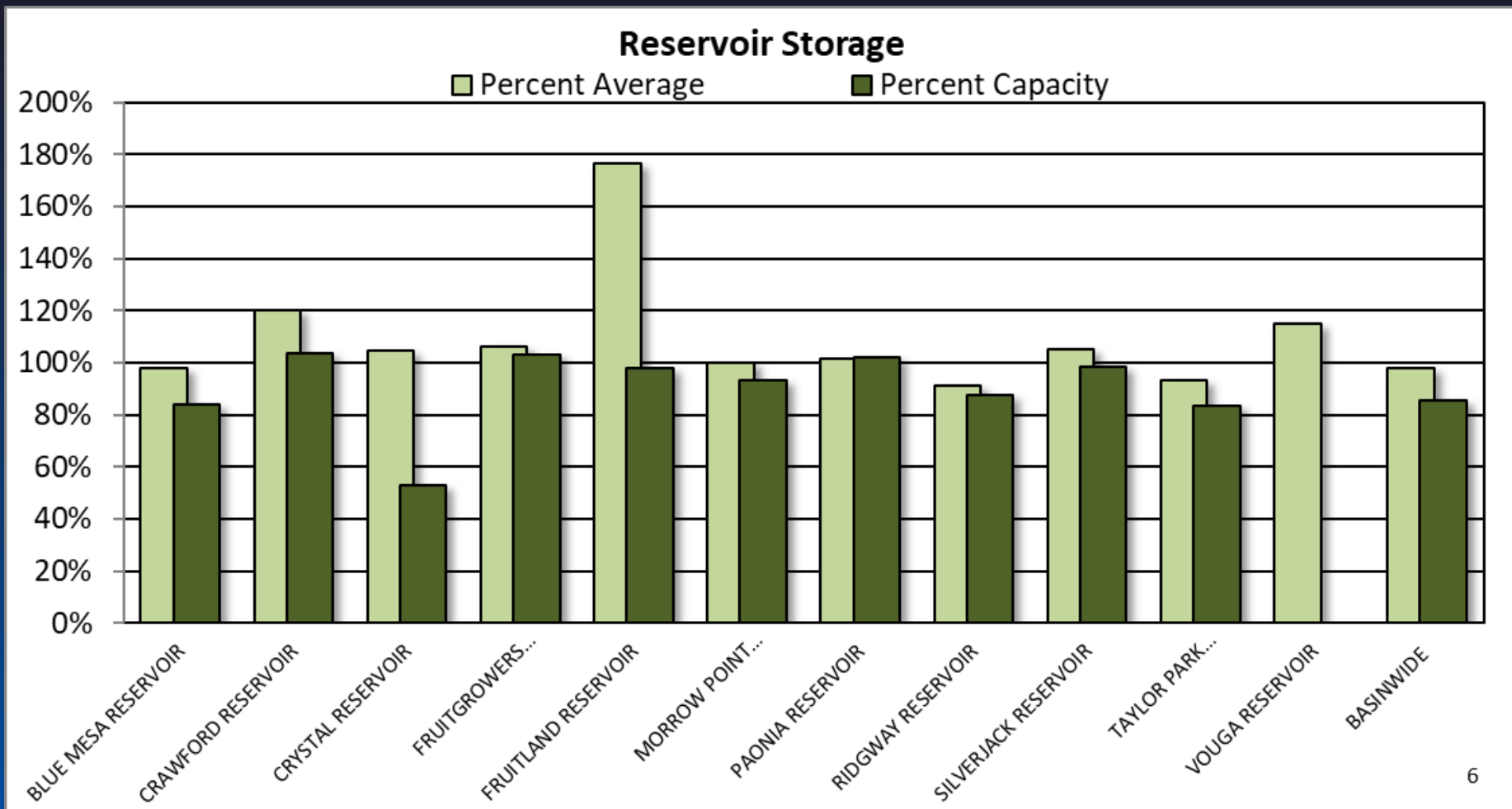


0 5 10 20 30 40 Miles

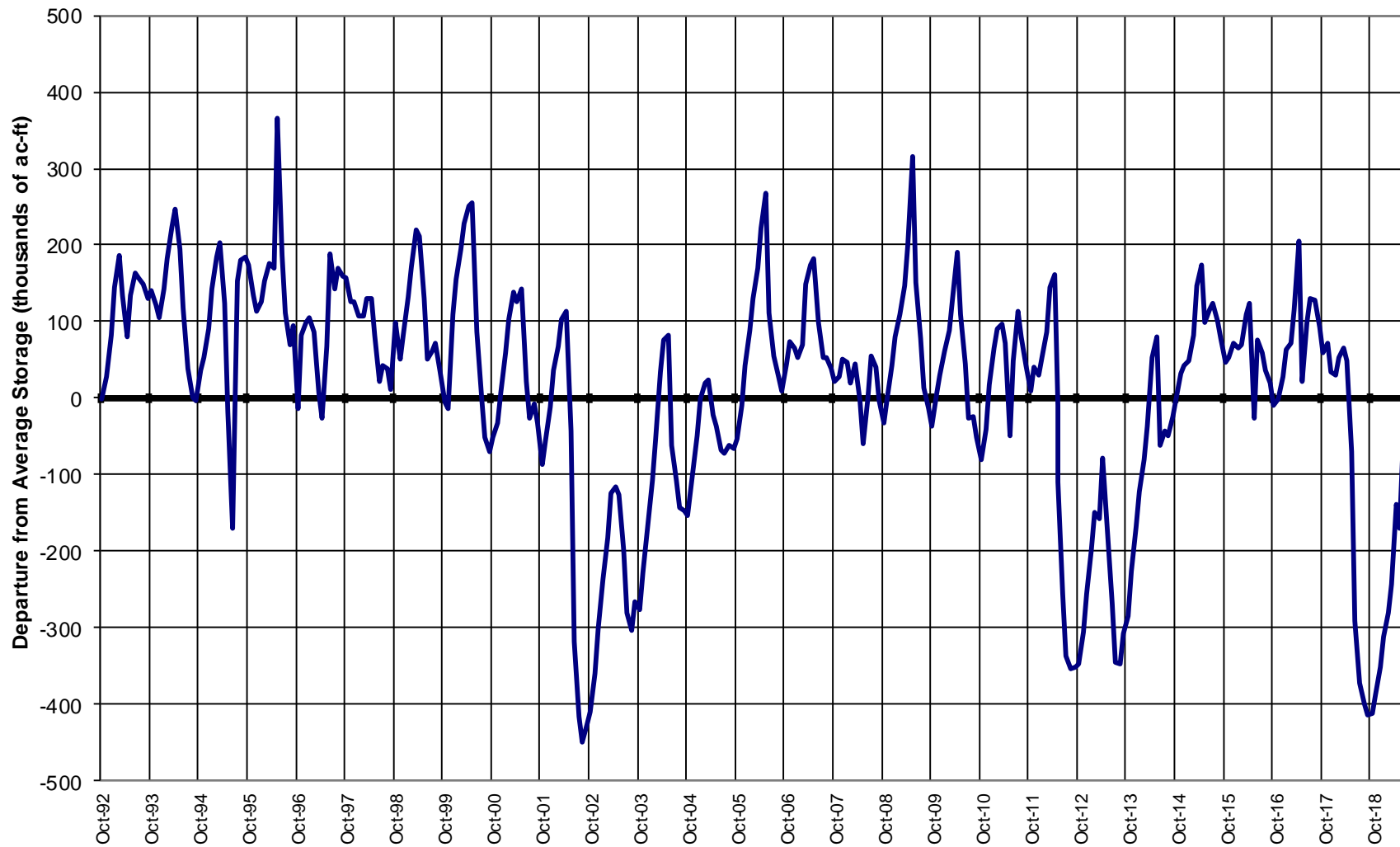
Gunnison River Basin High/Low Year-to-Date Precipitation Summary

Based on Provisional SNOTEL data as of Jul 19, 2019



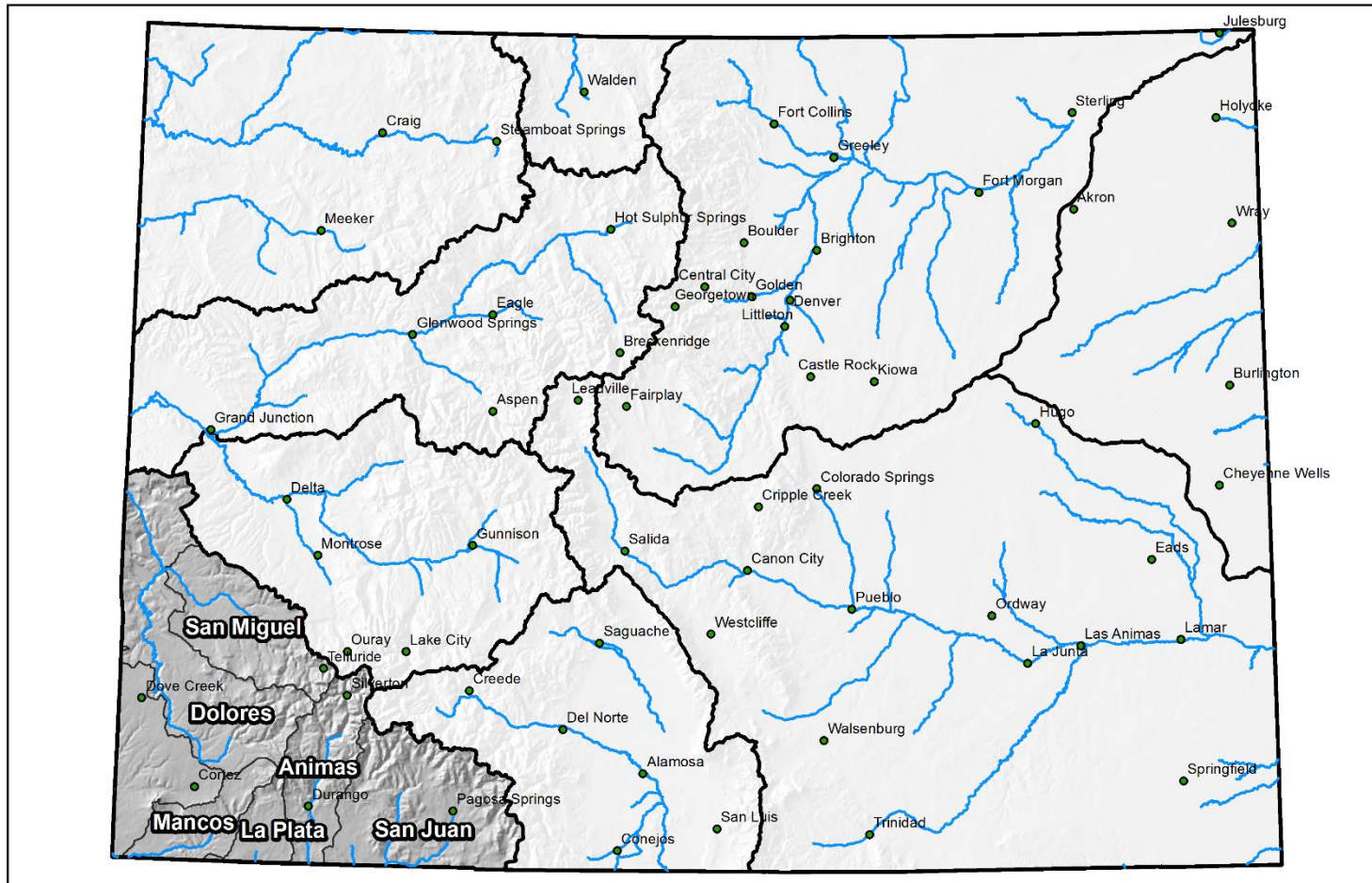


GUNNISON RIVER BASIN Reservoir Storage Departure from Average



Major Basin Summary

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



0 25 50 100 150 200 Miles

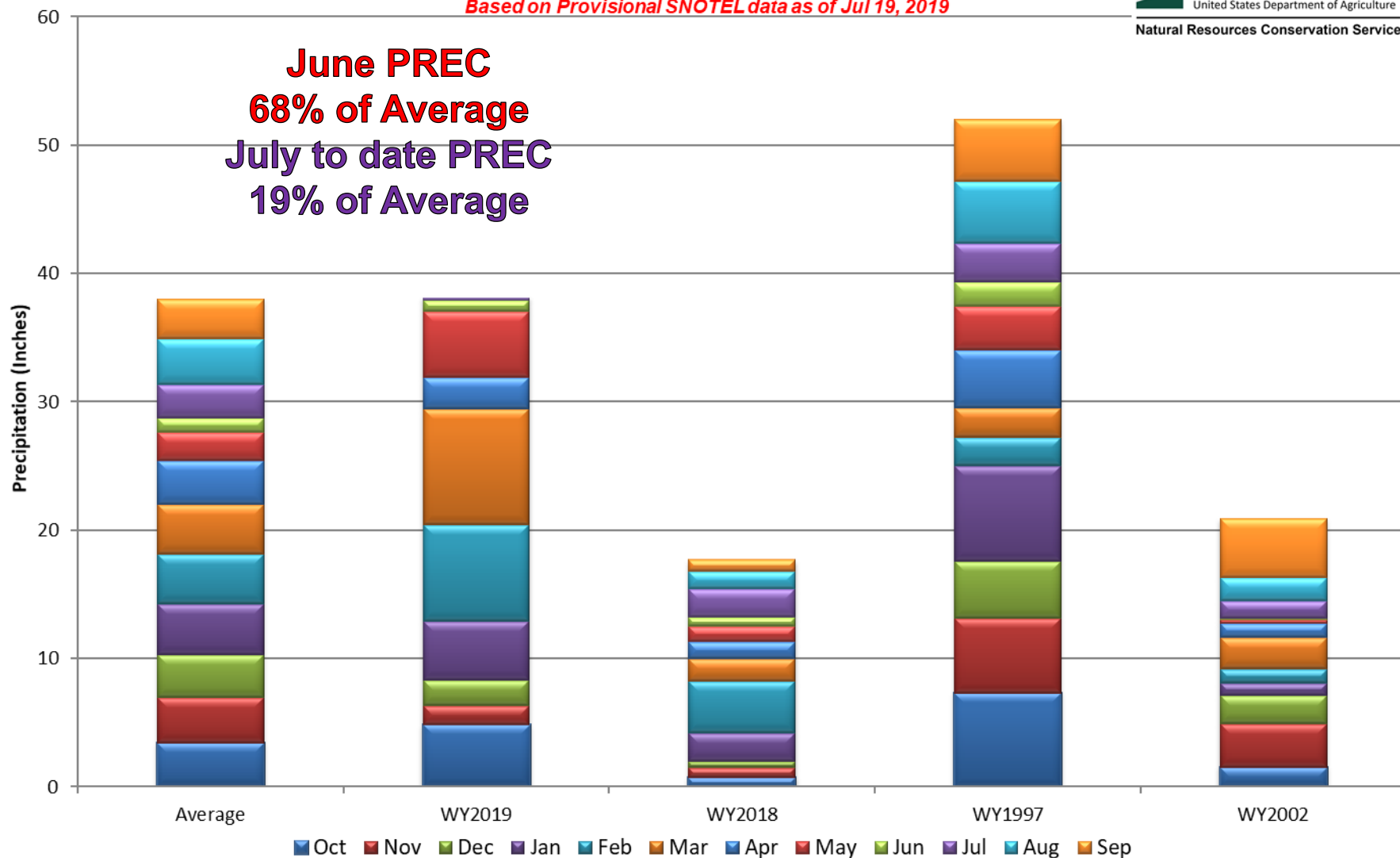
San Miguel, Dolores, Animas and San Juan River Basins High/Low Monthly Precipitation Summary

Based on Provisional SNOTEL data as of Jul 19, 2019



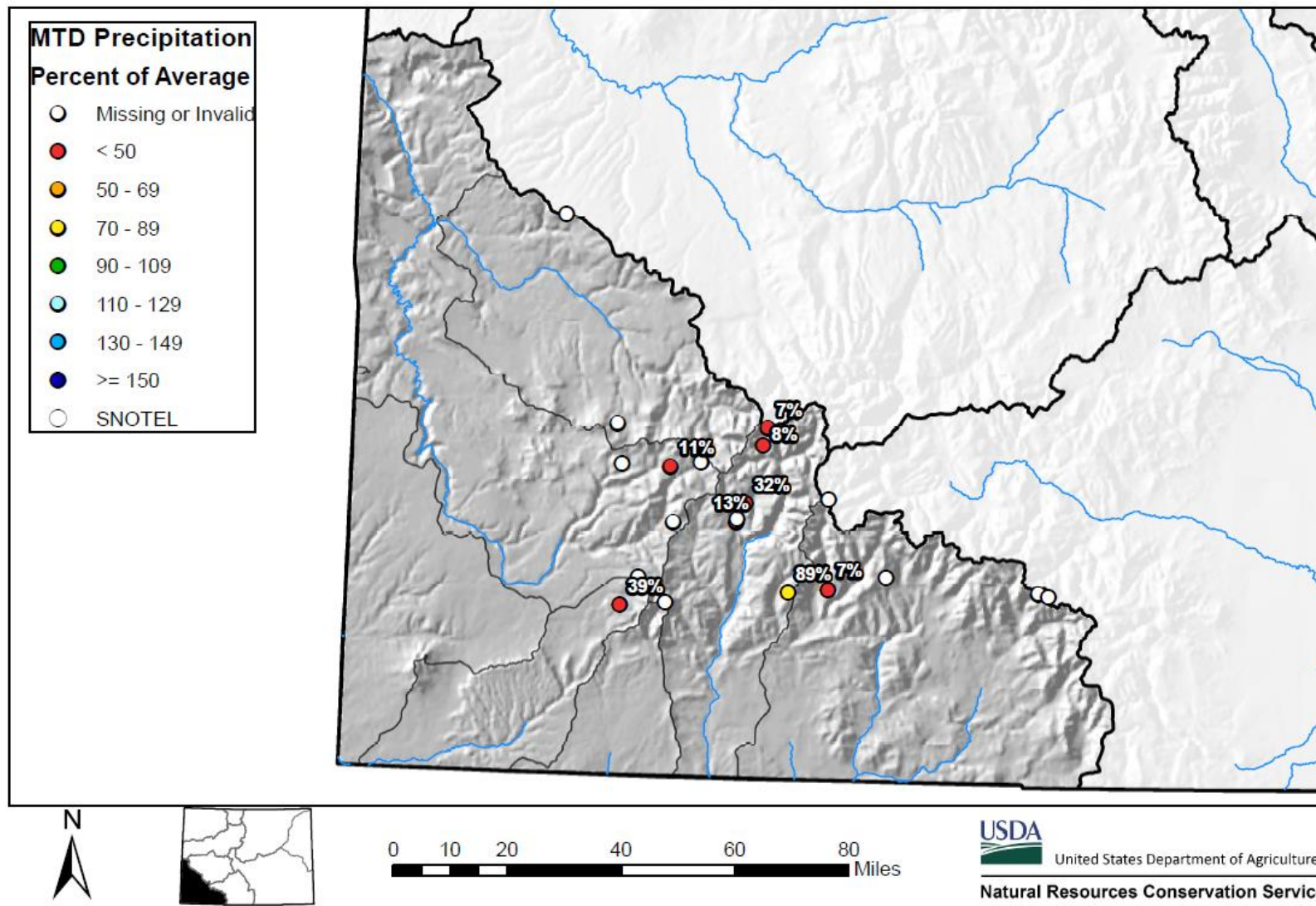
United States Department of Agriculture

Natural Resources Conservation Service



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

Current as of Jul 22, 2019



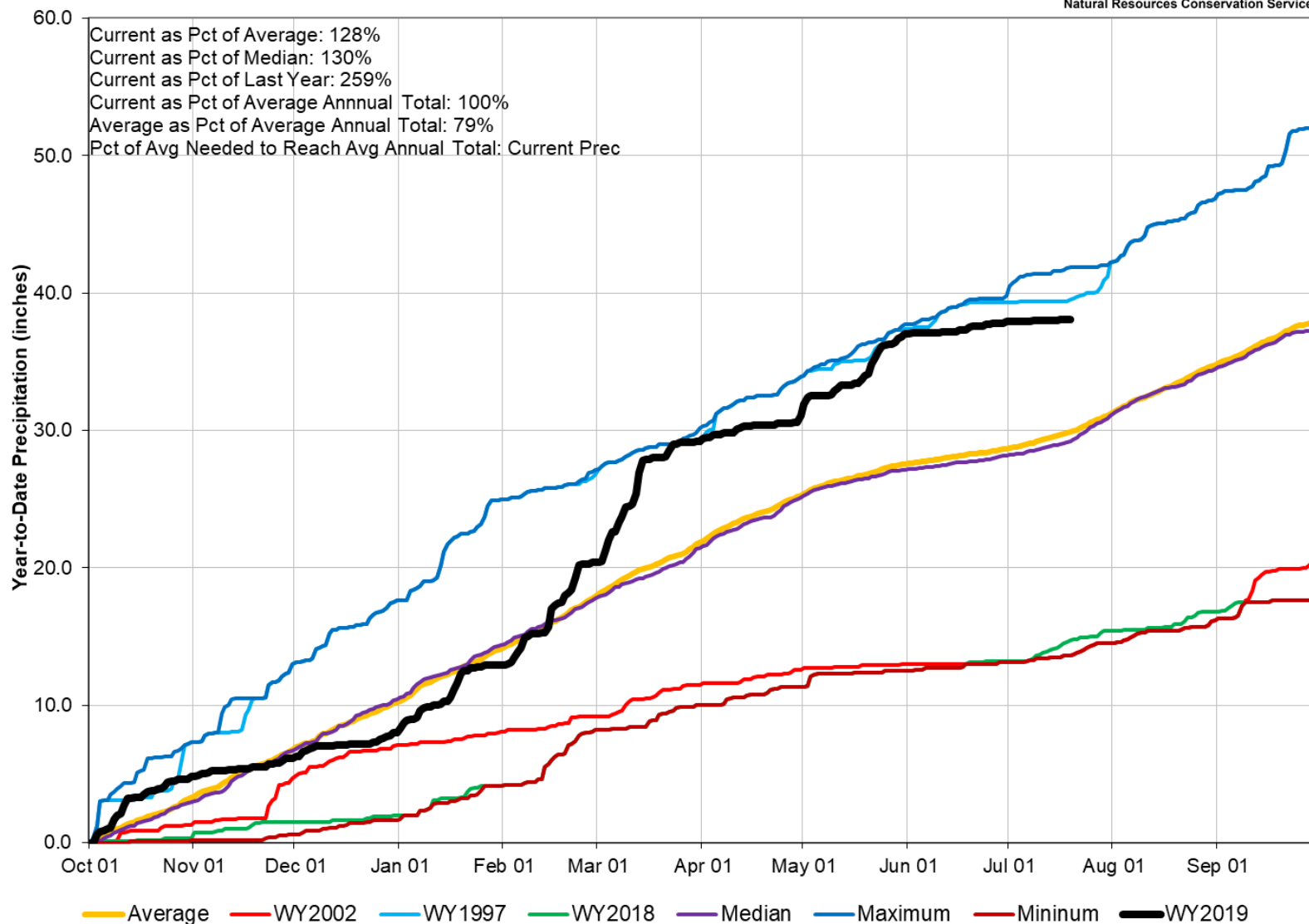
San Miguel, Dolores, Animas and San Juan River Basins High/Low Year-to-Date Precipitation Summary

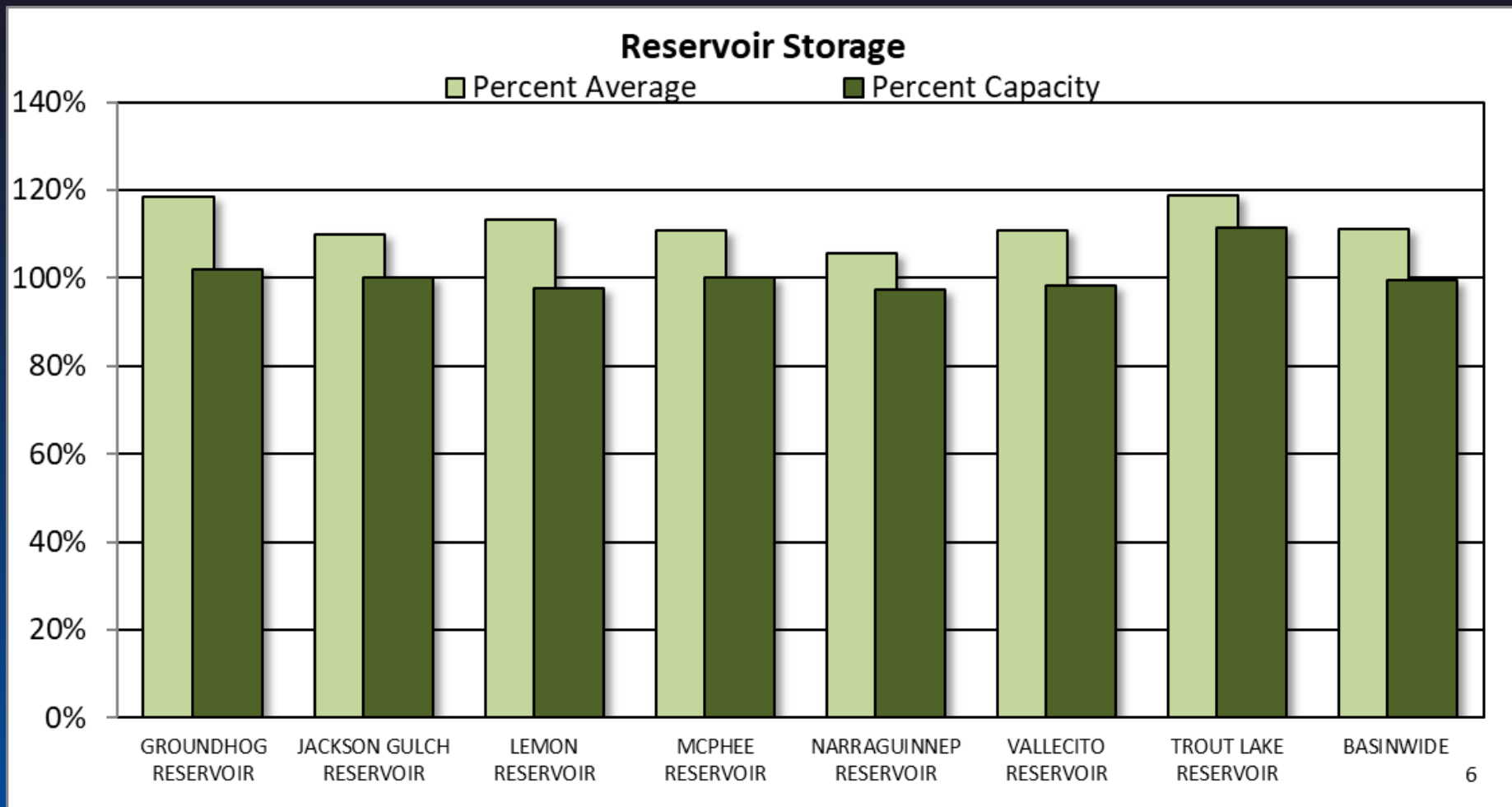
Based on Provisional SNOTEL data as of Jul 19, 2019



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Natural Resources Conservation Service

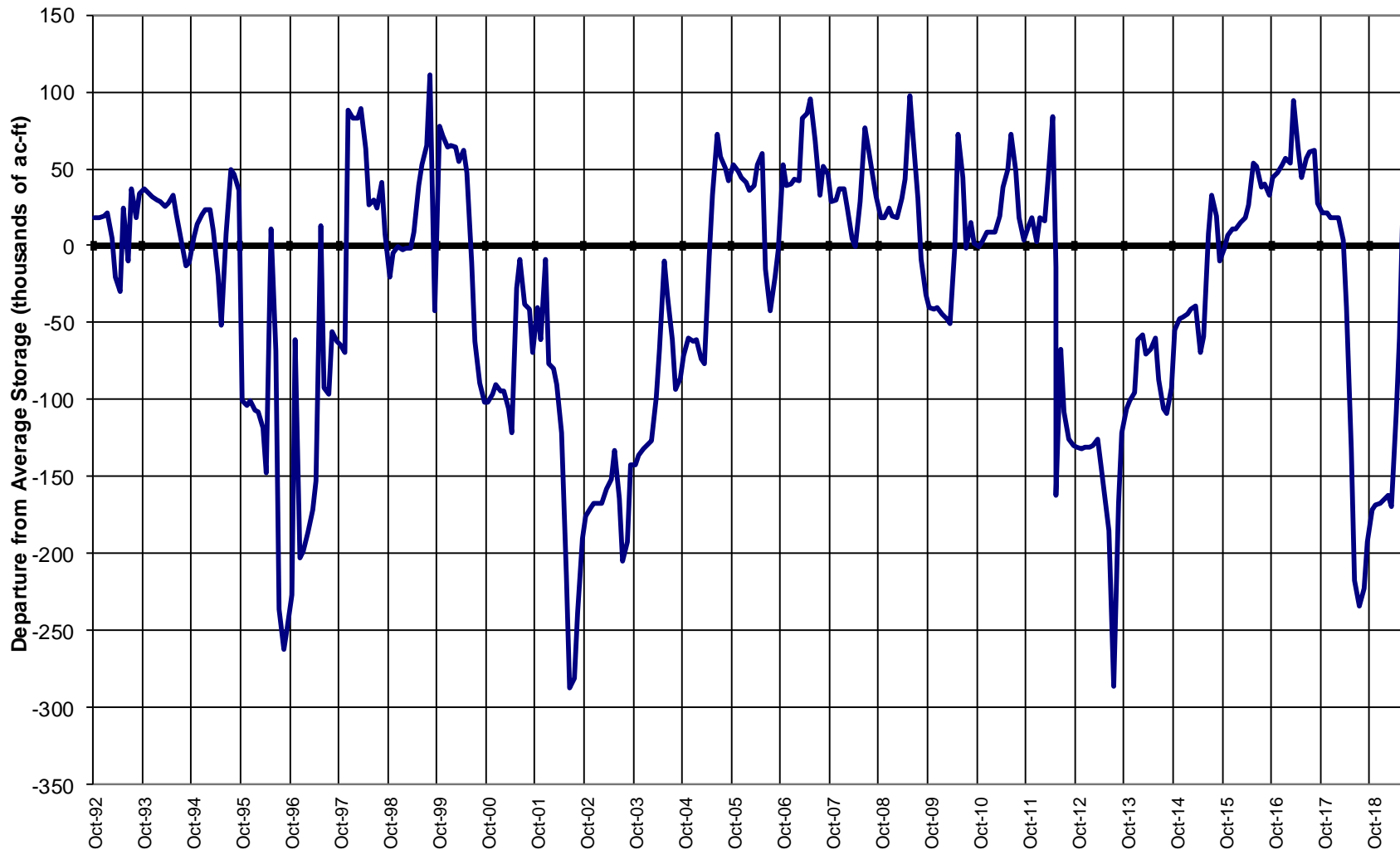






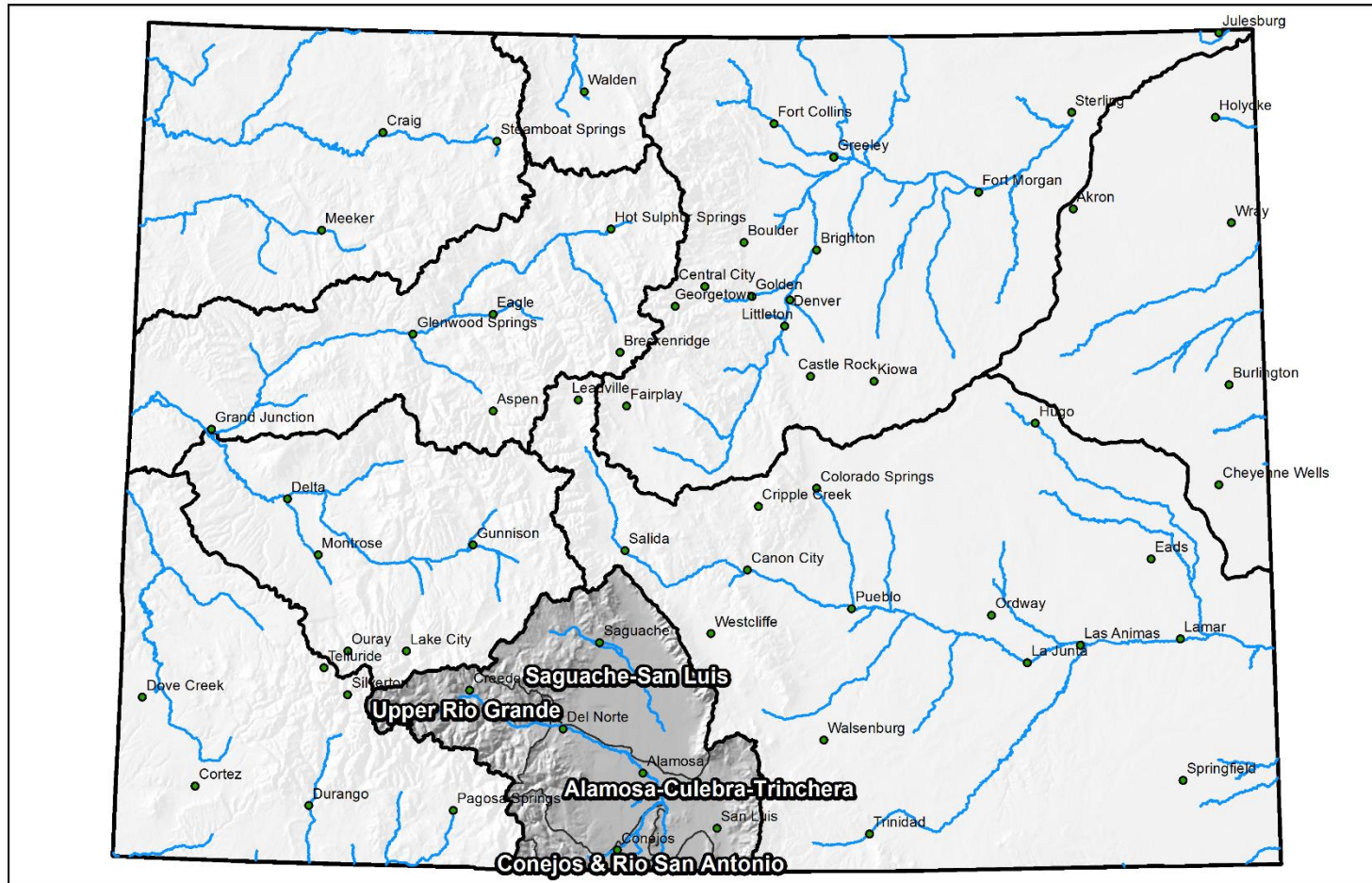
SAN MIGUEL, DOLORES, ANIMAS AND SAN JUAN RIVER BASINS

Reservoir Storage
Departure from Average



Major Basin Summary

Upper Rio Grande River Basin



0 25 50 100 150 200 Miles

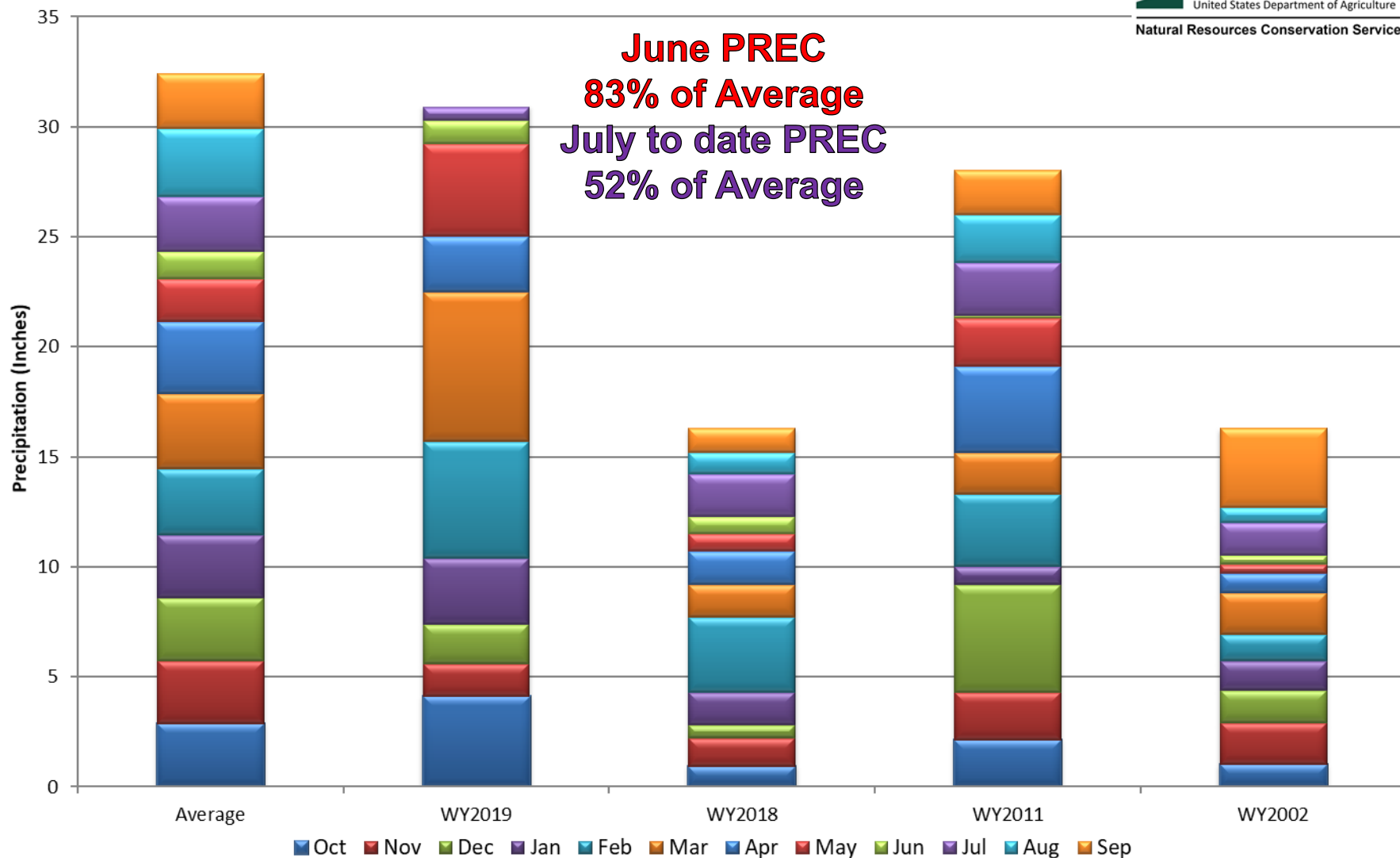
Upper Rio Grande River Basin High/Low Monthly Precipitation Summary

Based on Provisional SNOTEL data as of Jul 19, 2019



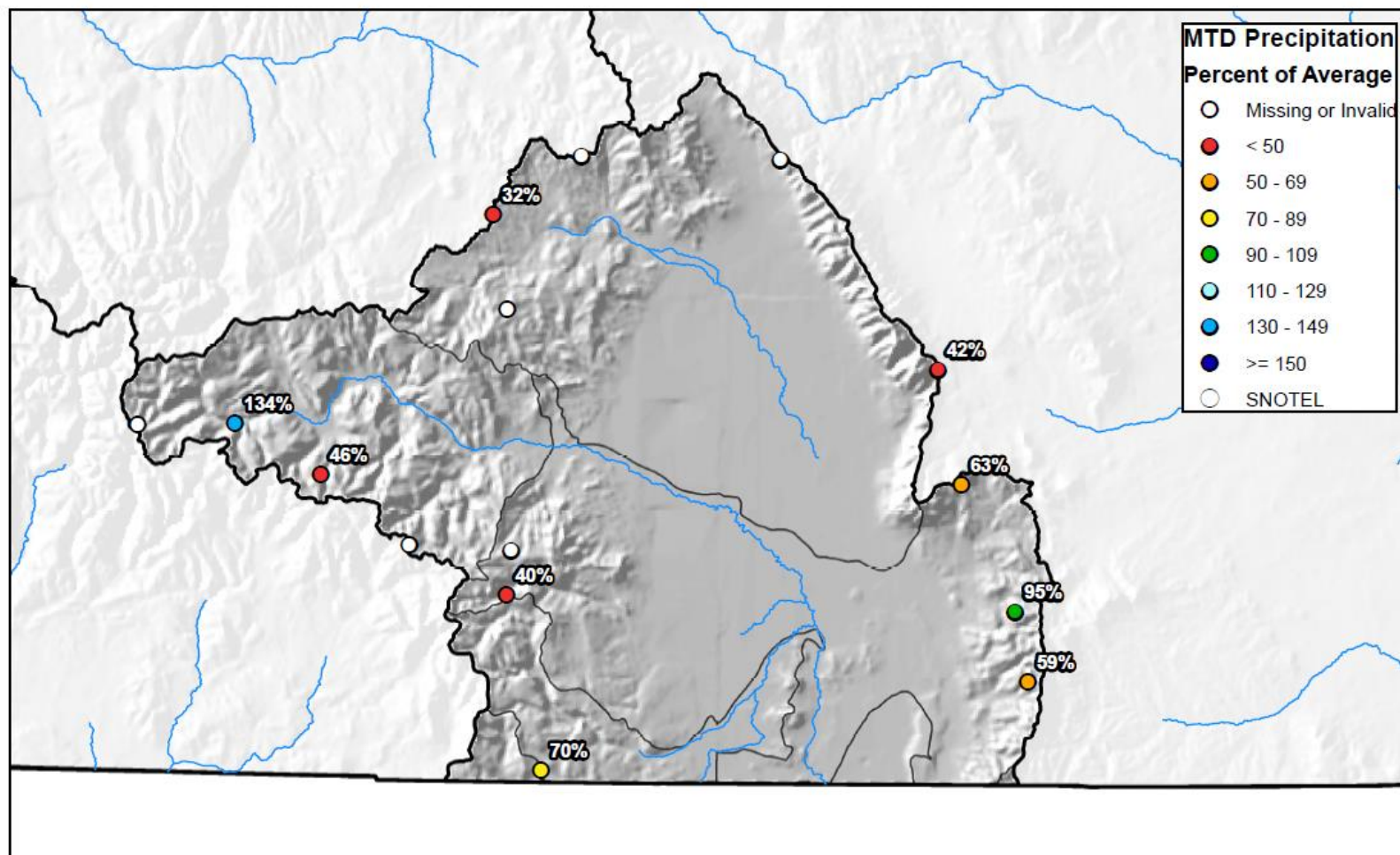
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Upper Rio Grande River Basin Month to Date Precipitation Summary

Current as of Jul 22, 2019



0 10 20 40 60 80 Miles

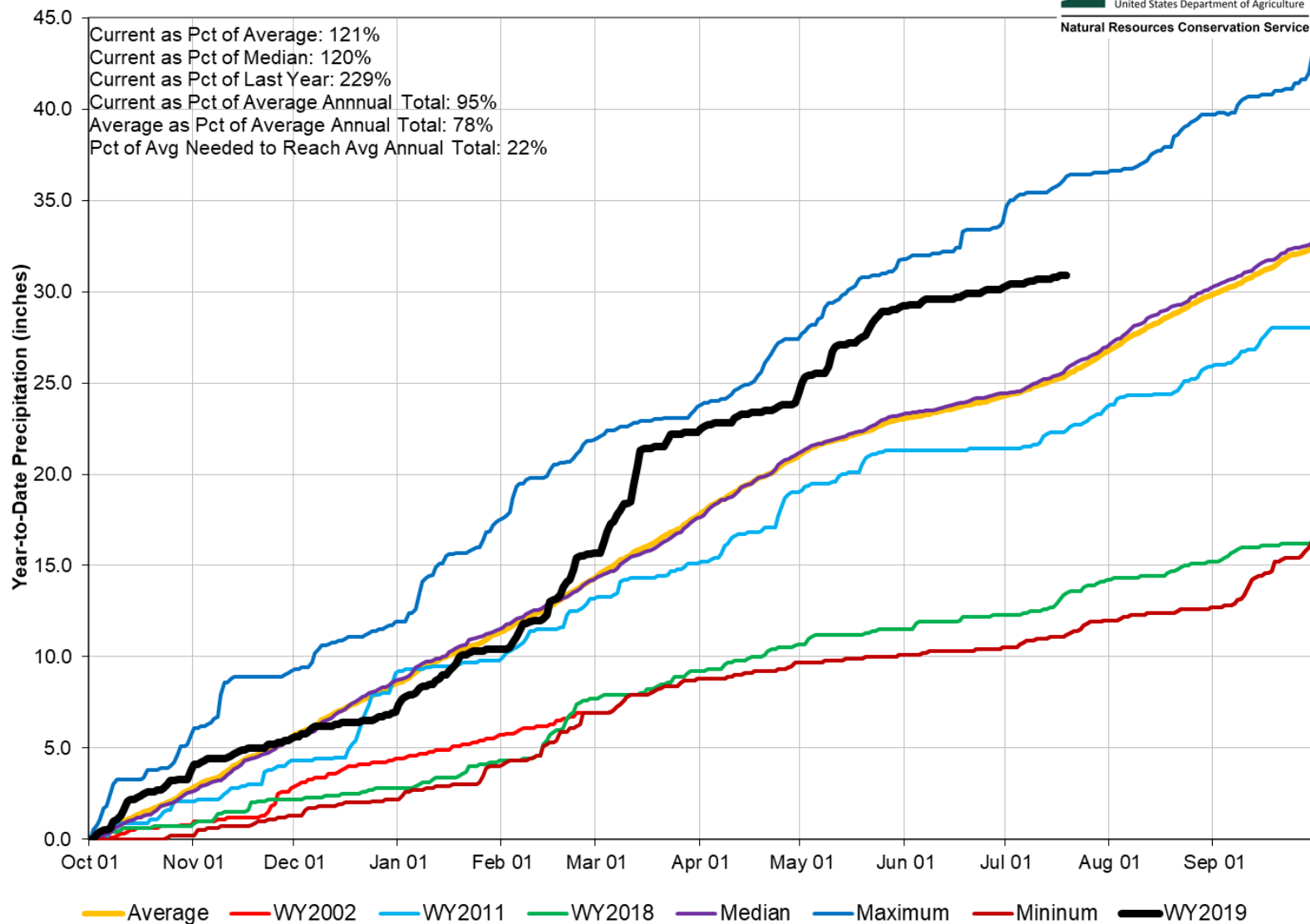
Upper Rio Grande River Basin High/Low Year-to-Date Precipitation Summary

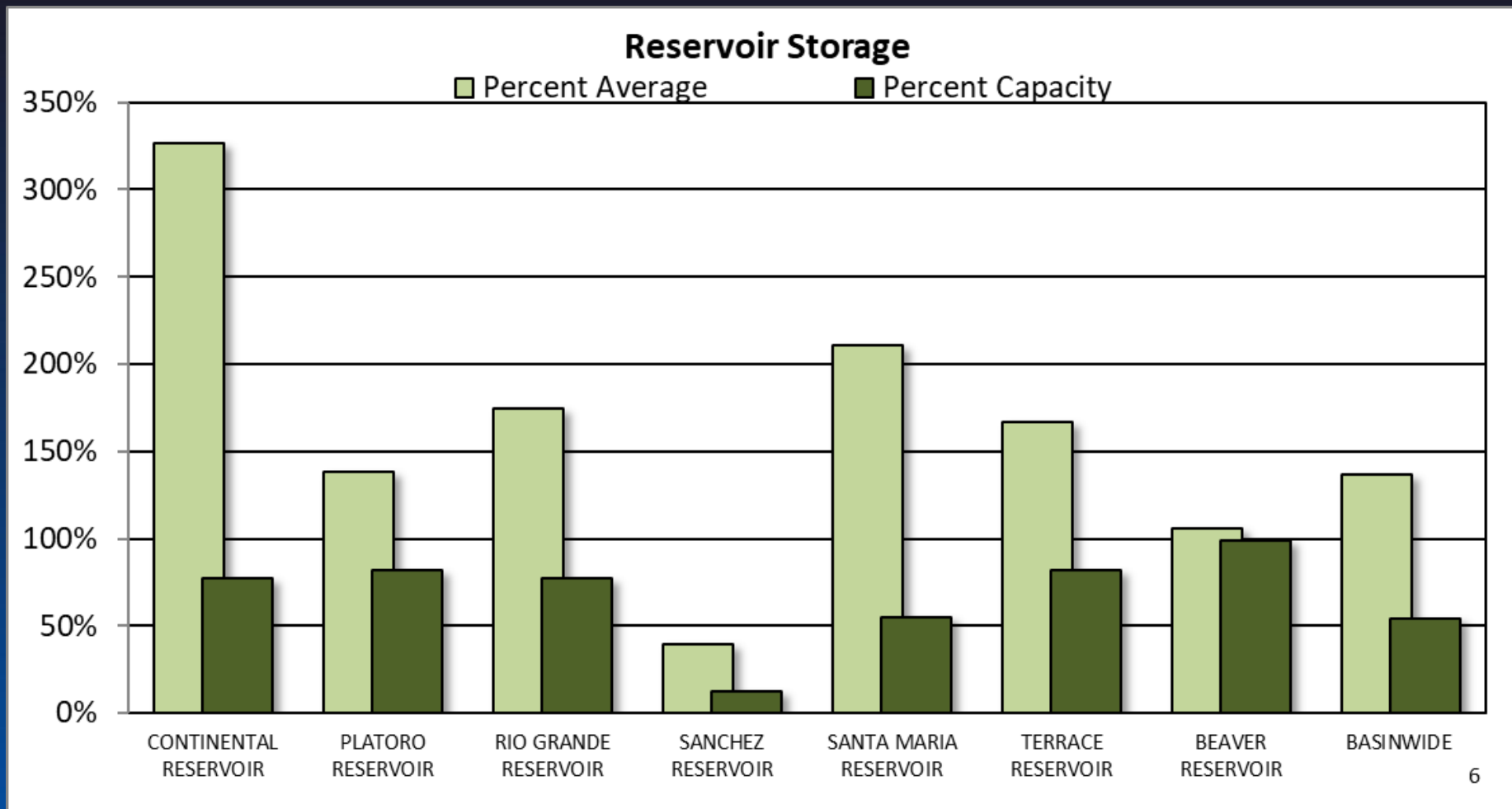
Based on Provisional SNOTEL data as of Jul 19, 2019



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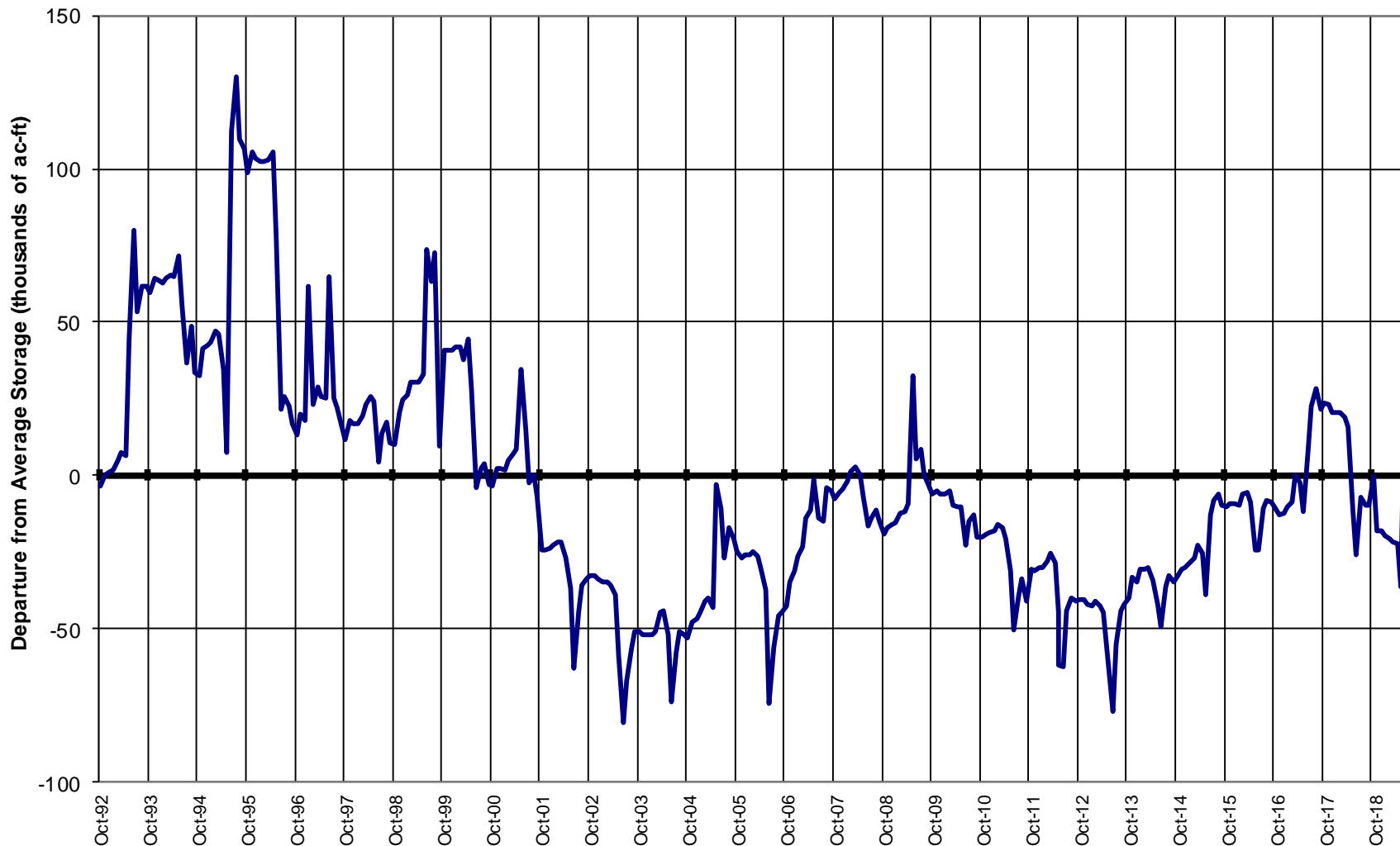
Natural Resources Conservation Service





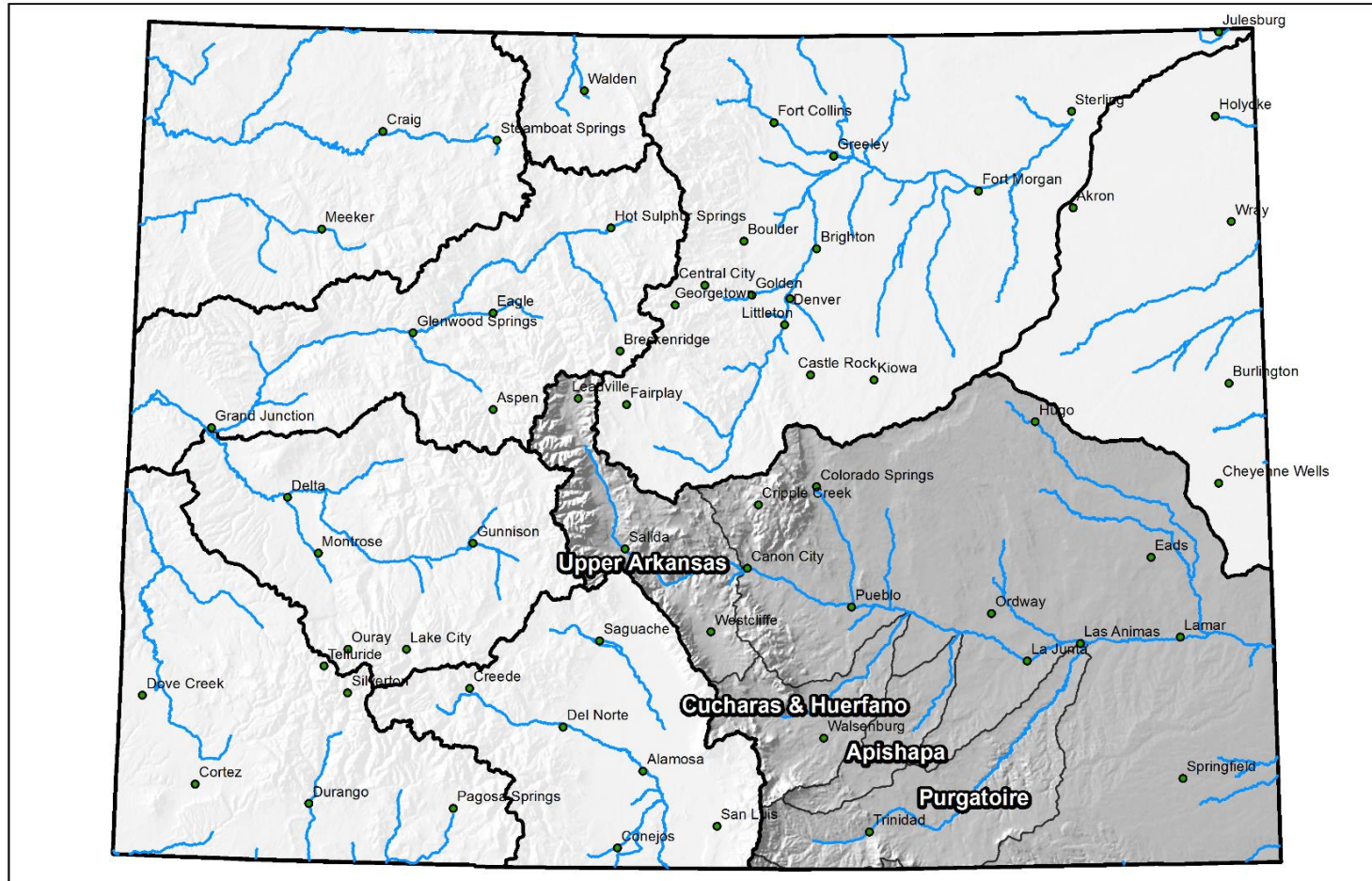


UPPER RIO GRANDE BASIN Reservoir Storage Departure from Average



Major Basin Summary

Arkansas River Basin



0 25 50 100 150 200 Miles

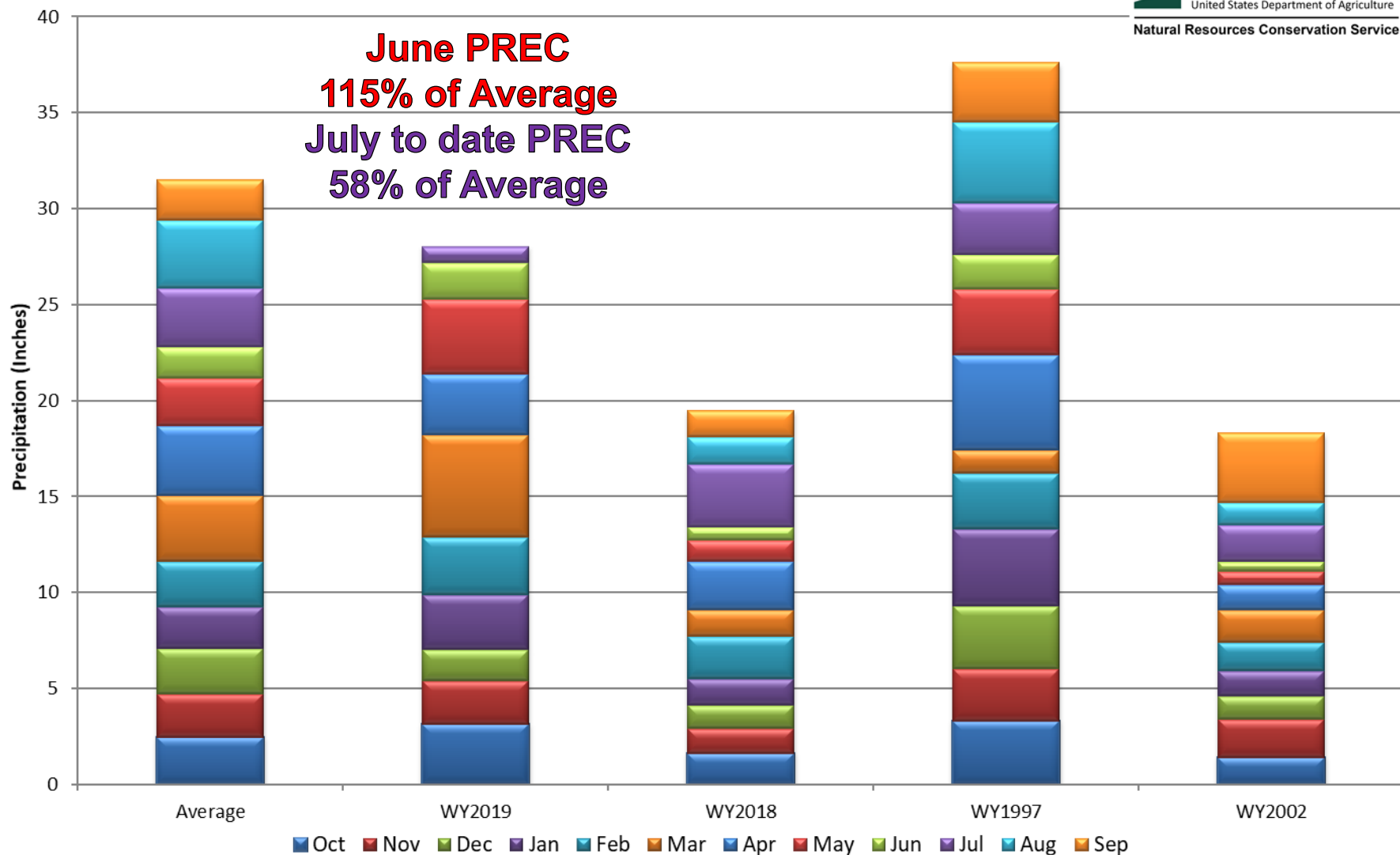
Arkansas River Basin High/Low Monthly Precipitation Summary

Based on Provisional SNOTEL data as of Jul 19, 2019



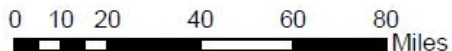
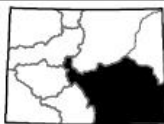
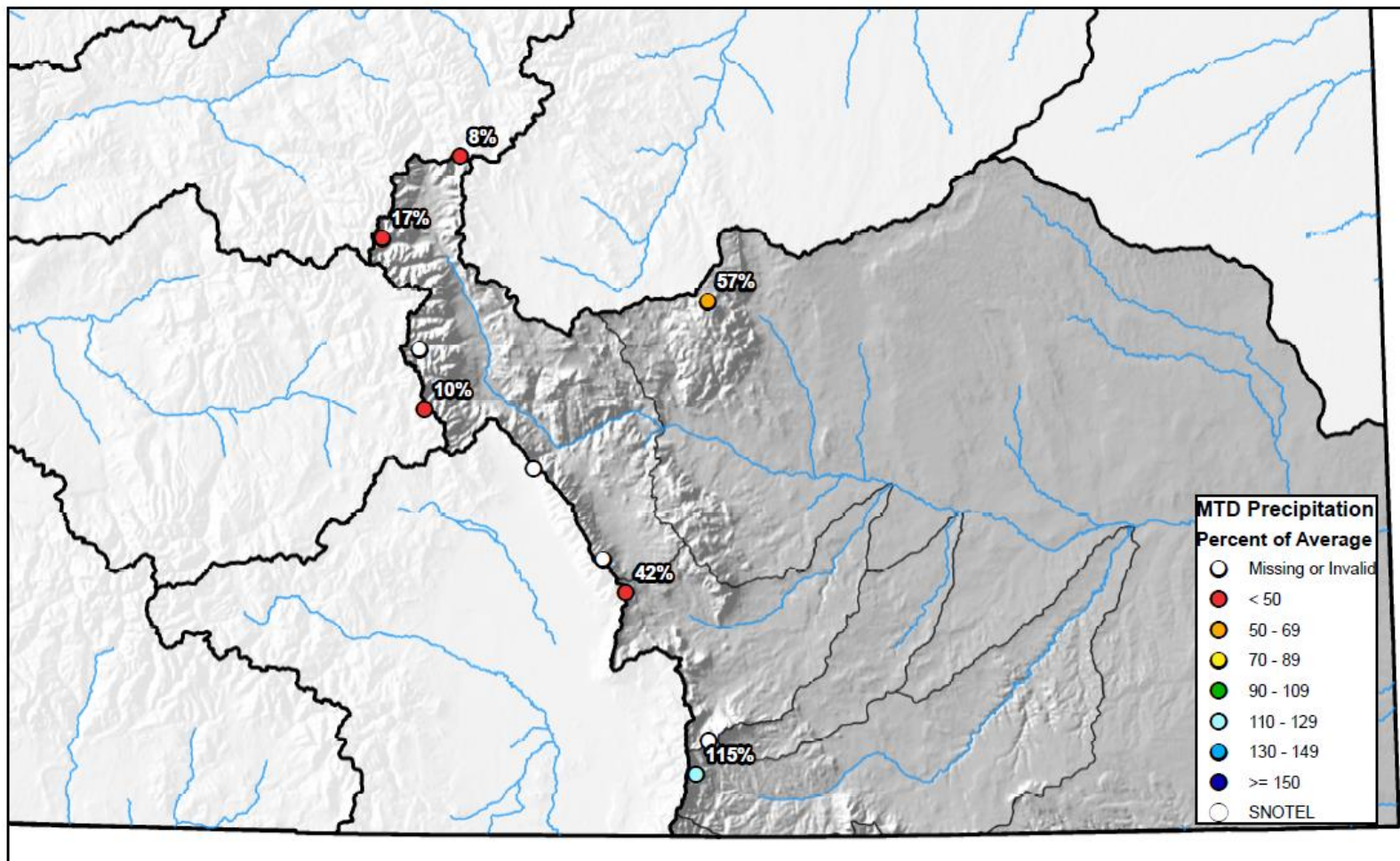
United States Department of Agriculture

Natural Resources Conservation Service



Arkansas River Basin Month to Date Precipitation Summary

Current as of Jul 22, 2019



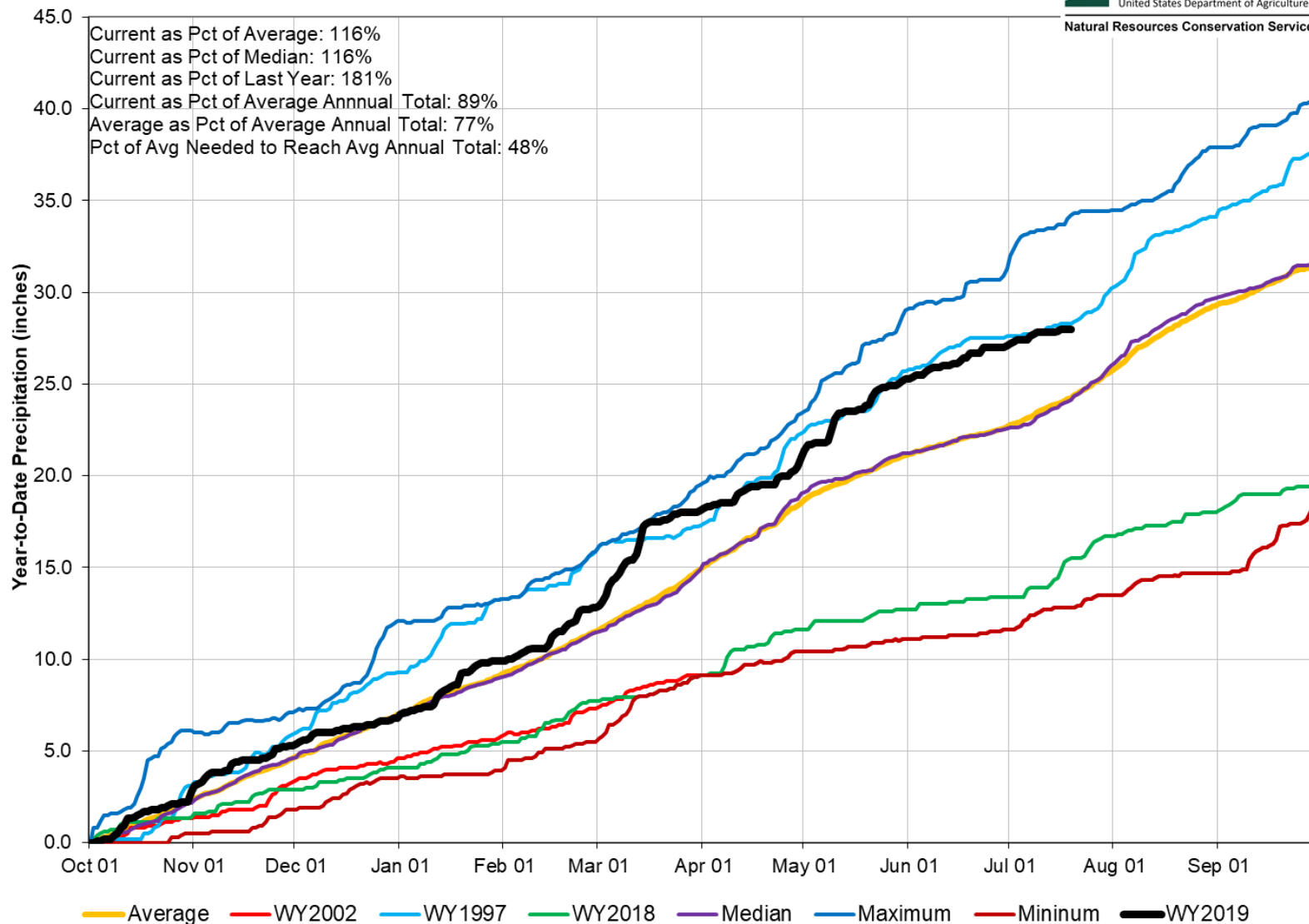
Arkansas River Basin High/Low Year-to-Date Precipitation Summary

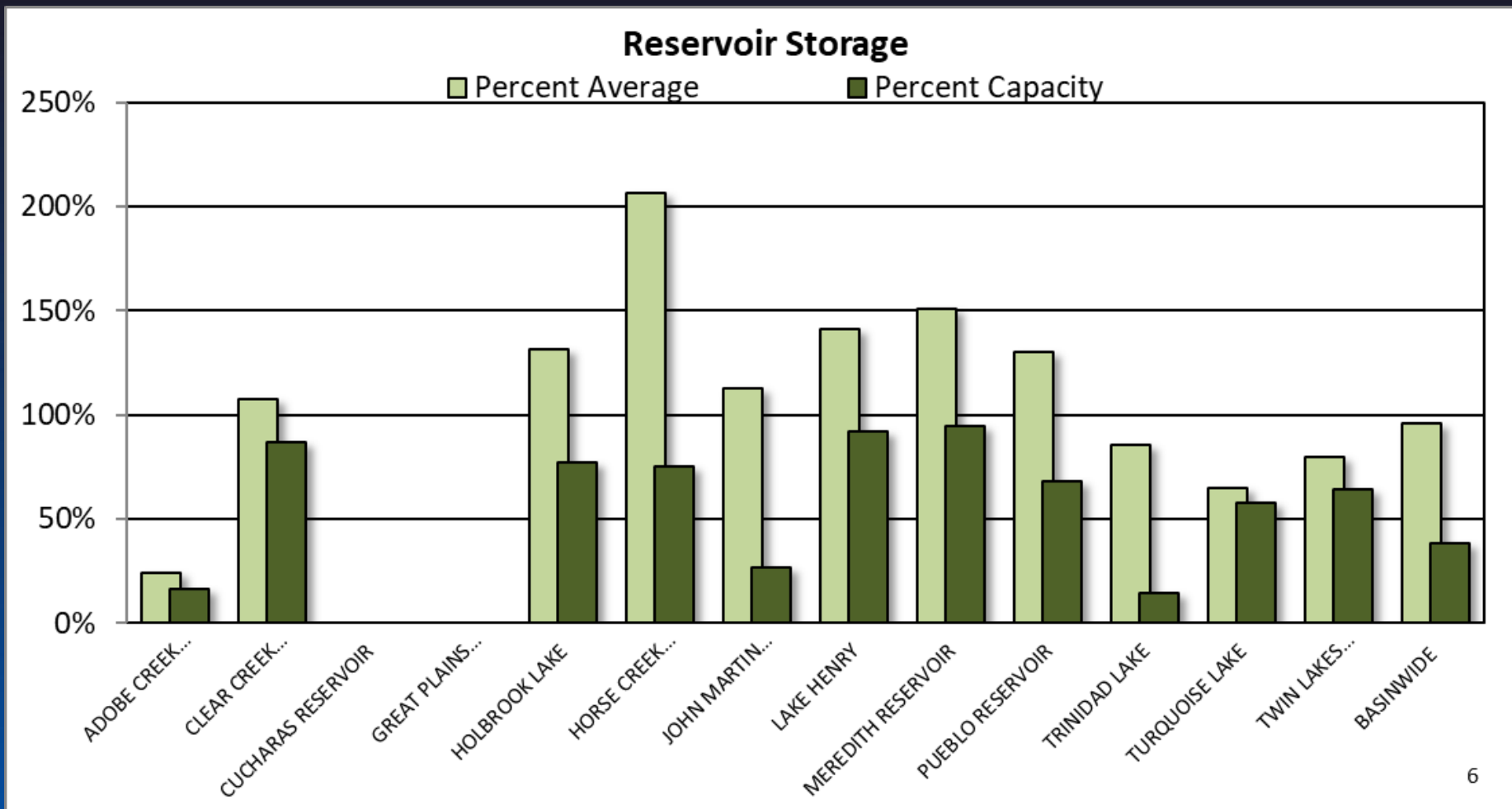
Based on Provisional SNOTEL data as of Jul 19, 2019



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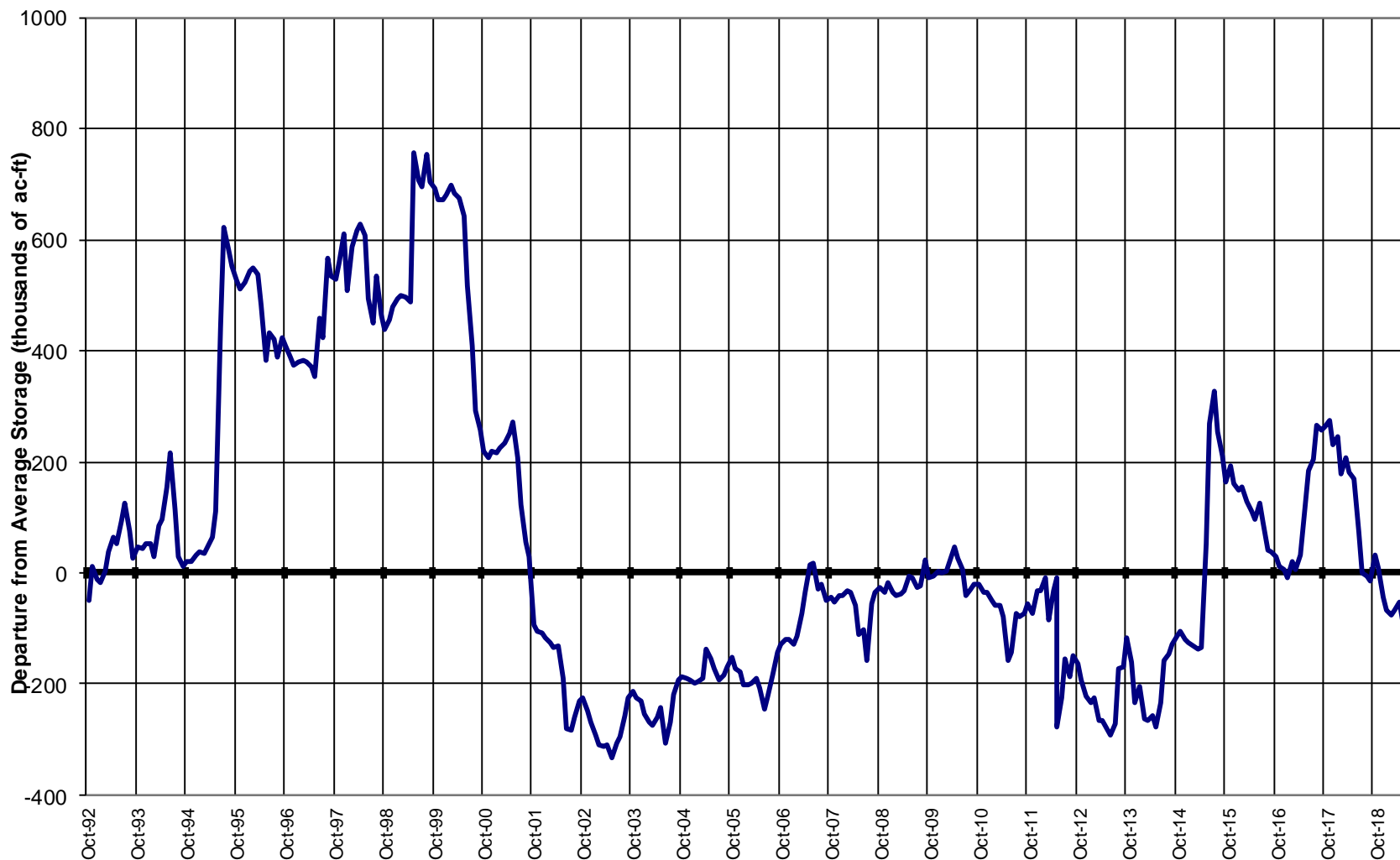
Natural Resources Conservation Service





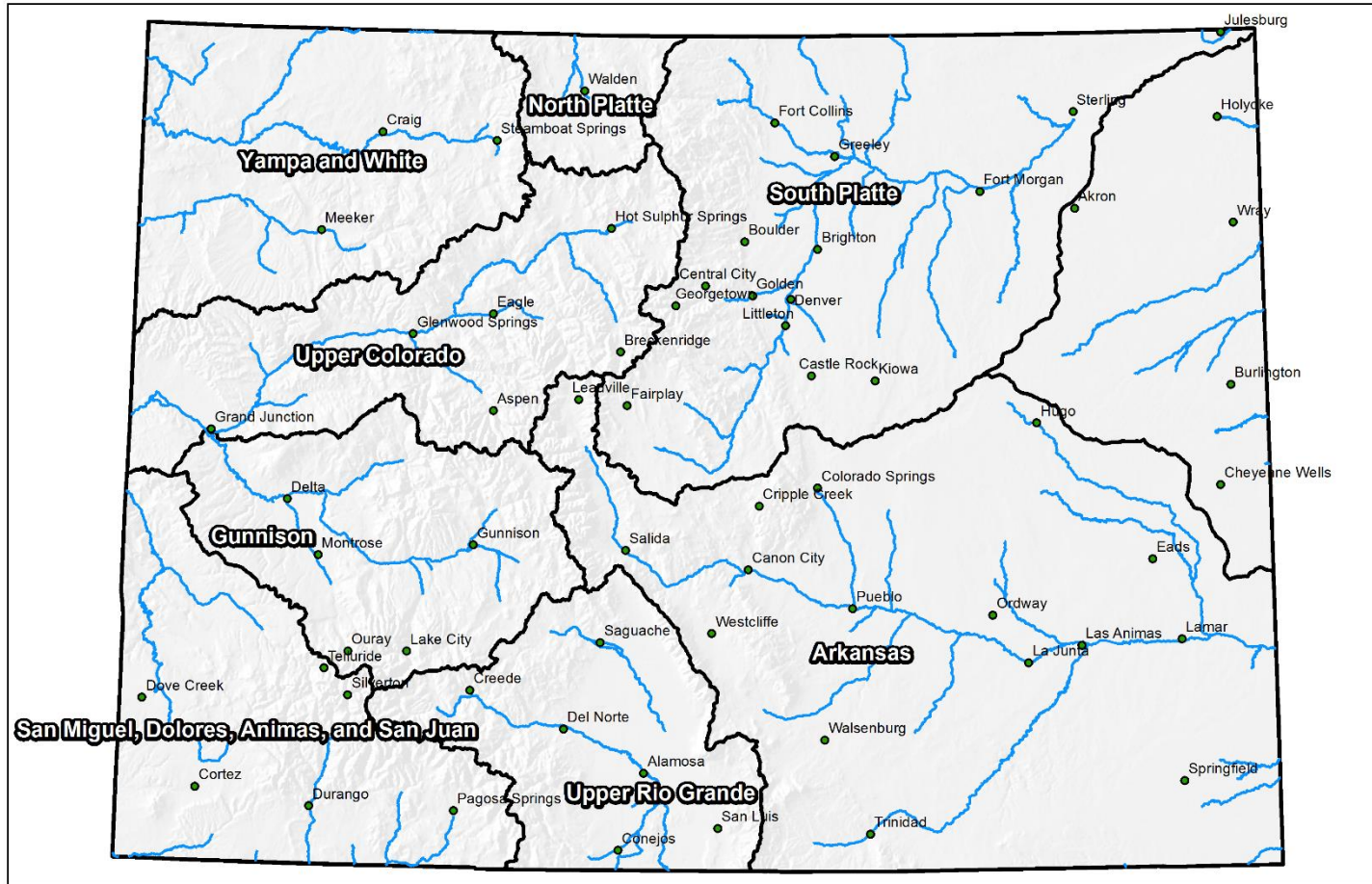


ARKANSAS RIVER BASIN Reservoir Storage Departure from Average



Colorado Statewide Summary

Colorado Major Basins



0 25 50 100 150 200 Miles

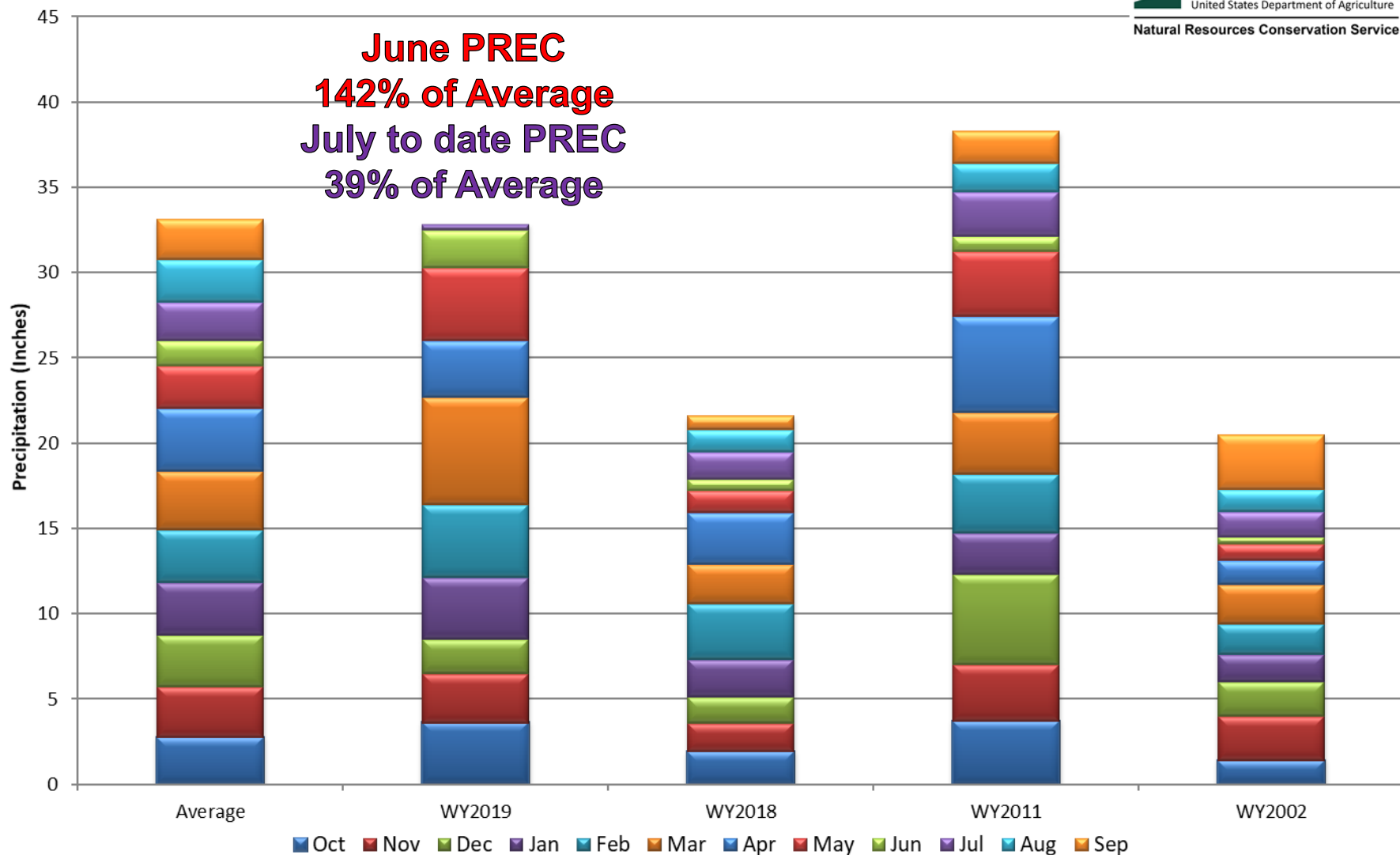
Colorado Statewide High/Low Monthly Precipitation Summary

Based on Provisional SNOTEL data as of Jul 19, 2019



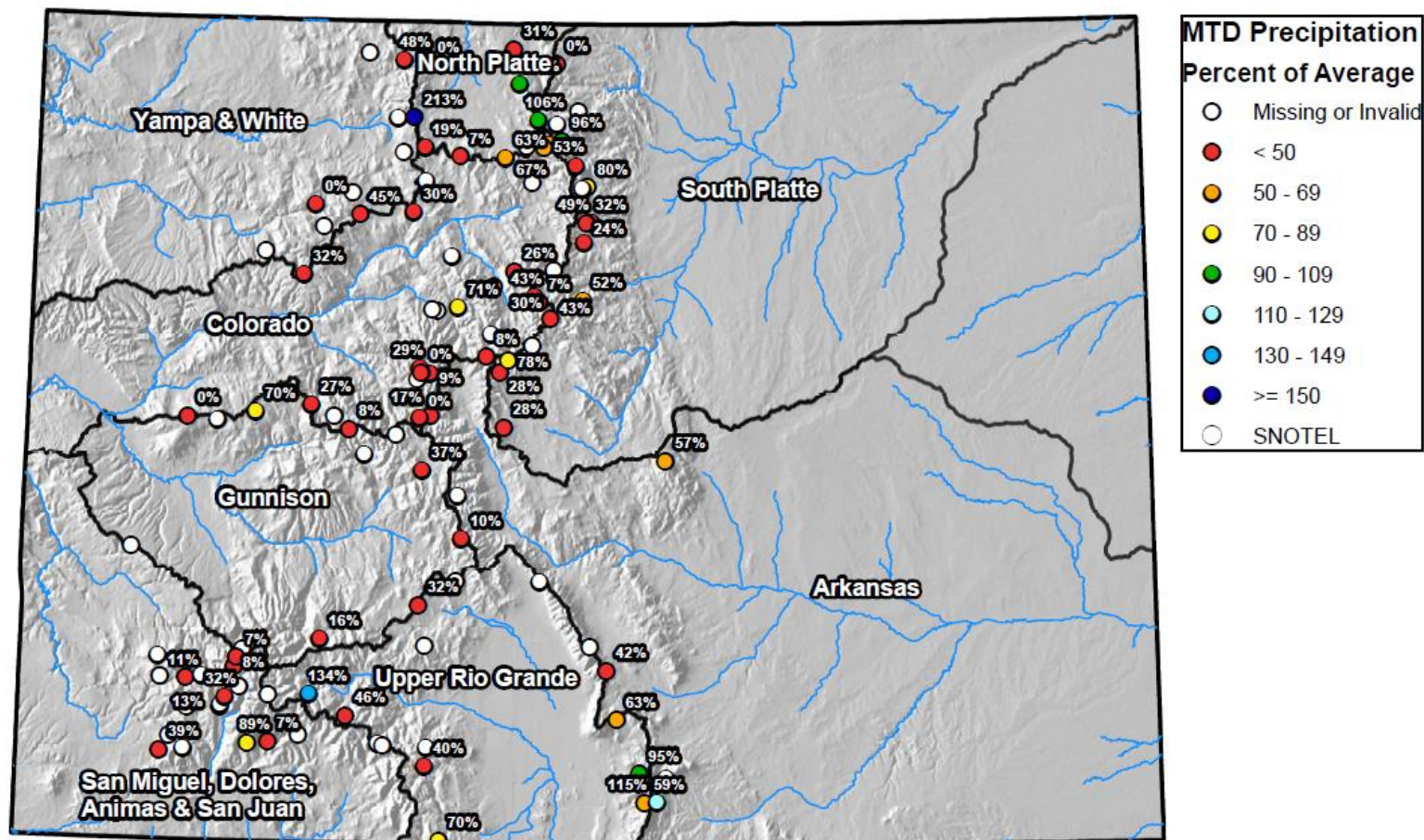
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Colorado SNOTEL Month-to-Date Precipitation

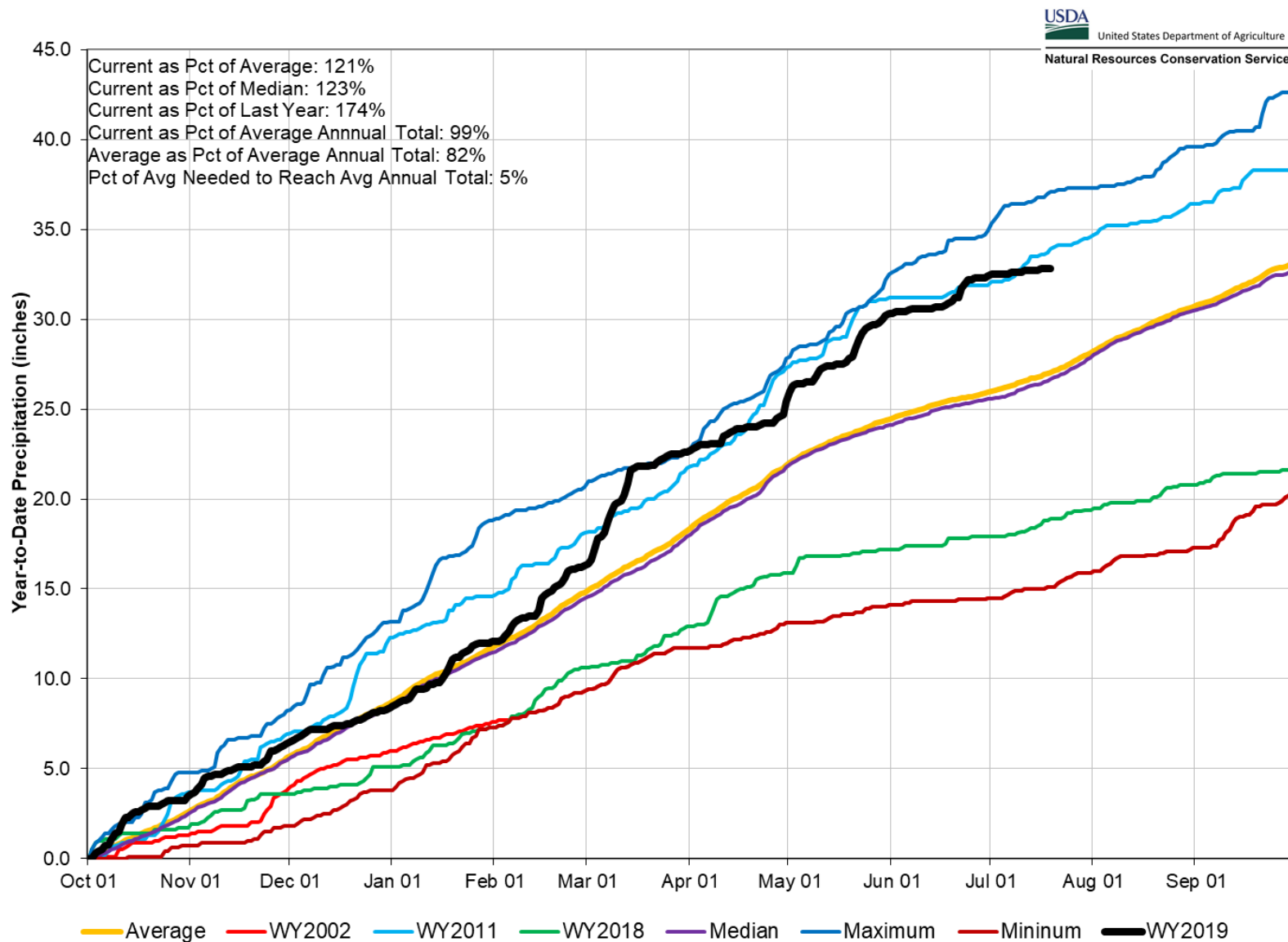
Current as of Jul 22, 2019



0 25 50 100 150 200 Miles

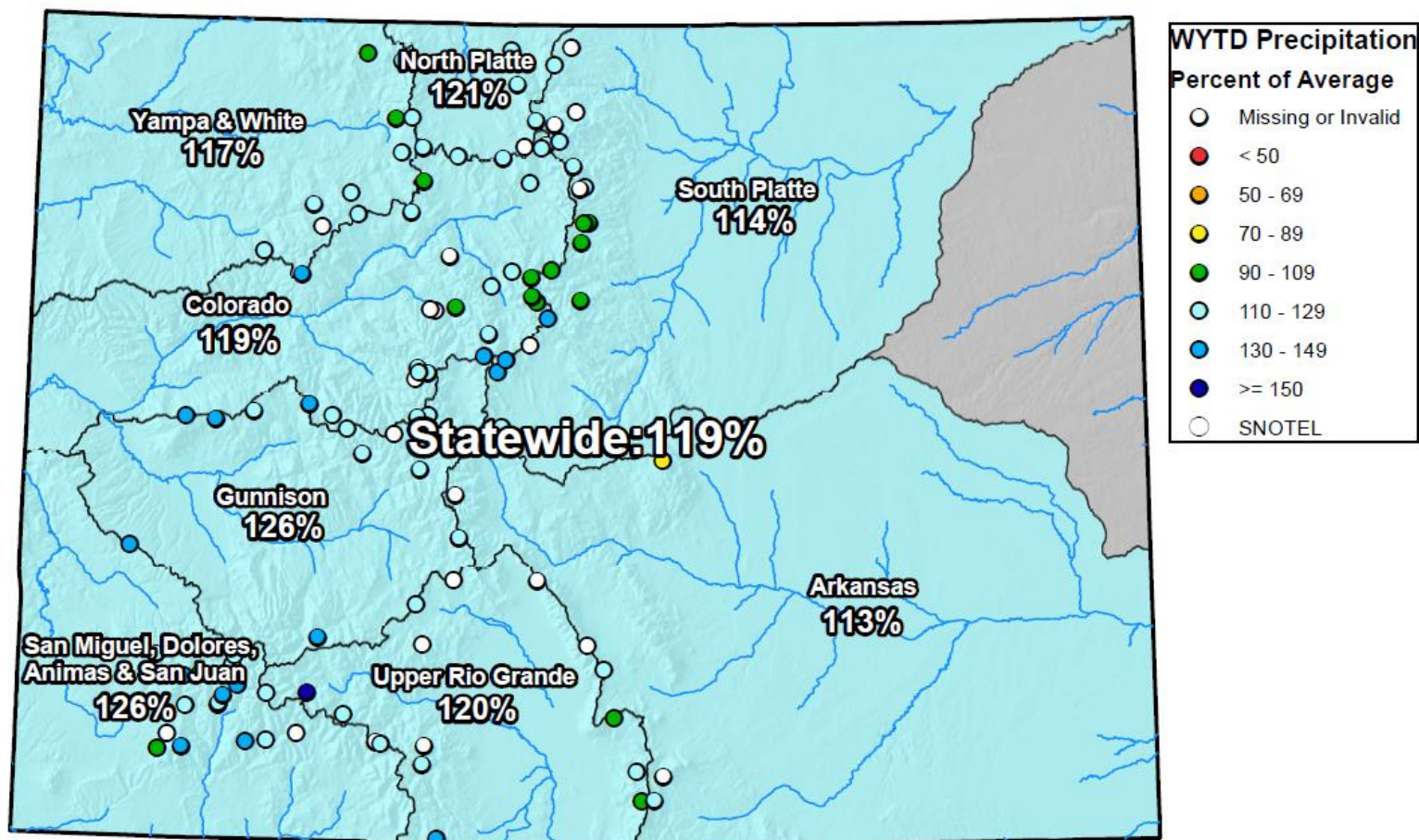
Colorado Statewide High/Low Year-to-Date Precipitation Summary

Based on Provisional SNOTEL data as of Jul 19, 2019



Colorado SNOTEL Water Year to Date Precipitation

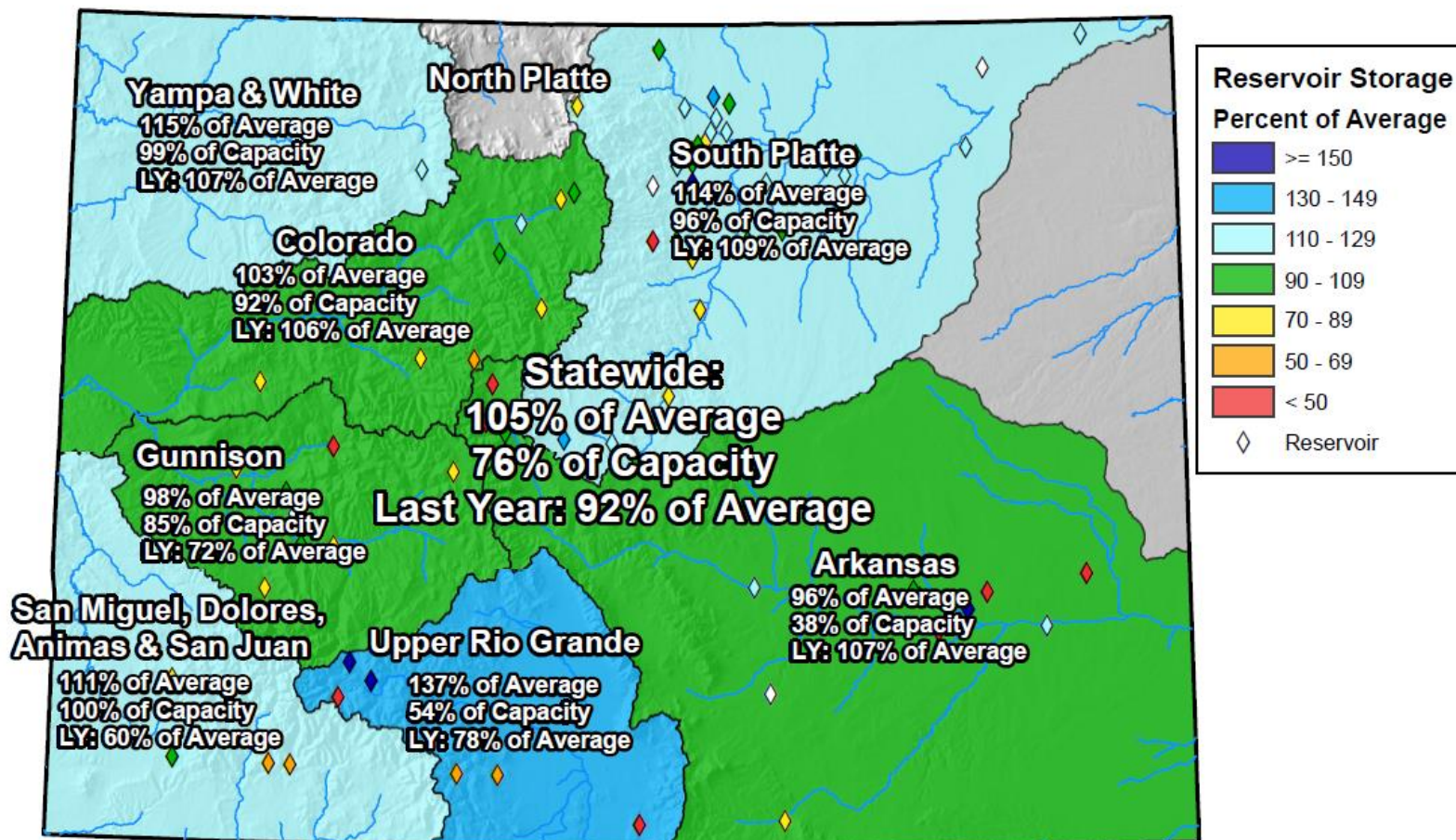
Current as of Jul 22, 2019



0 25 50 100 150 200 Miles

Colorado Monthly Reservoir Storage Summary

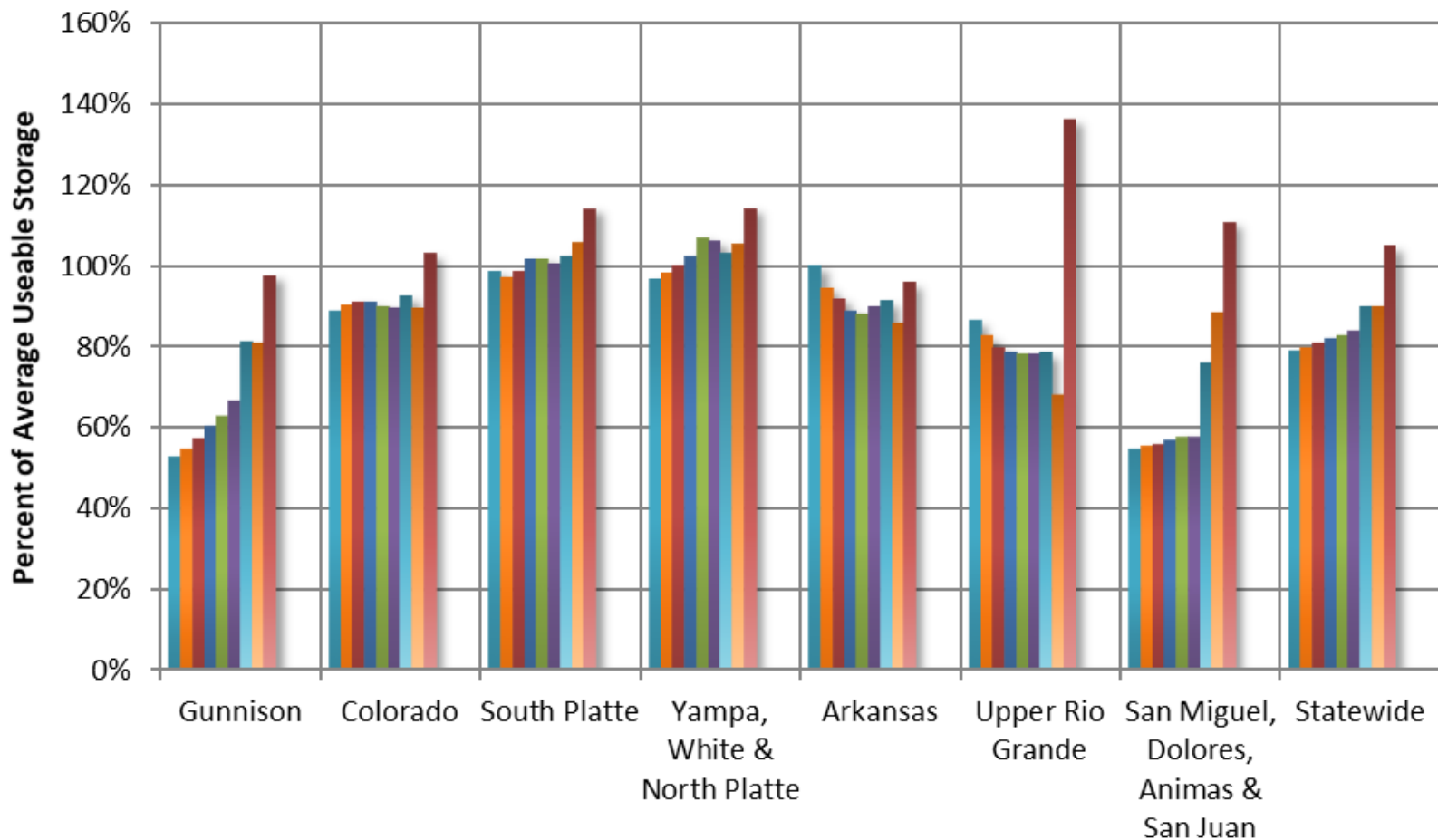
End of June 2019



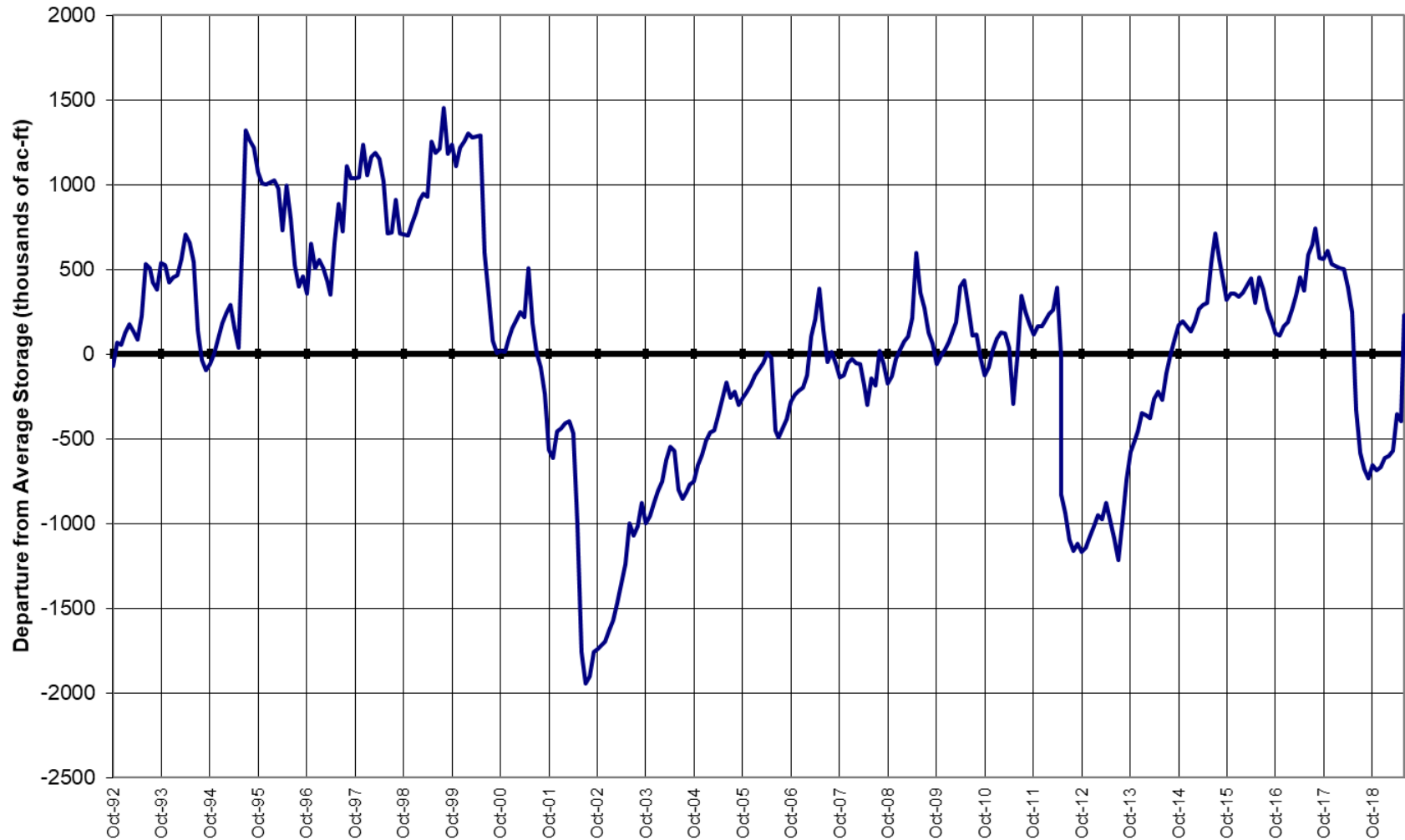
0 25 50 100 150 200 Miles

Colorado Reservoir Storage

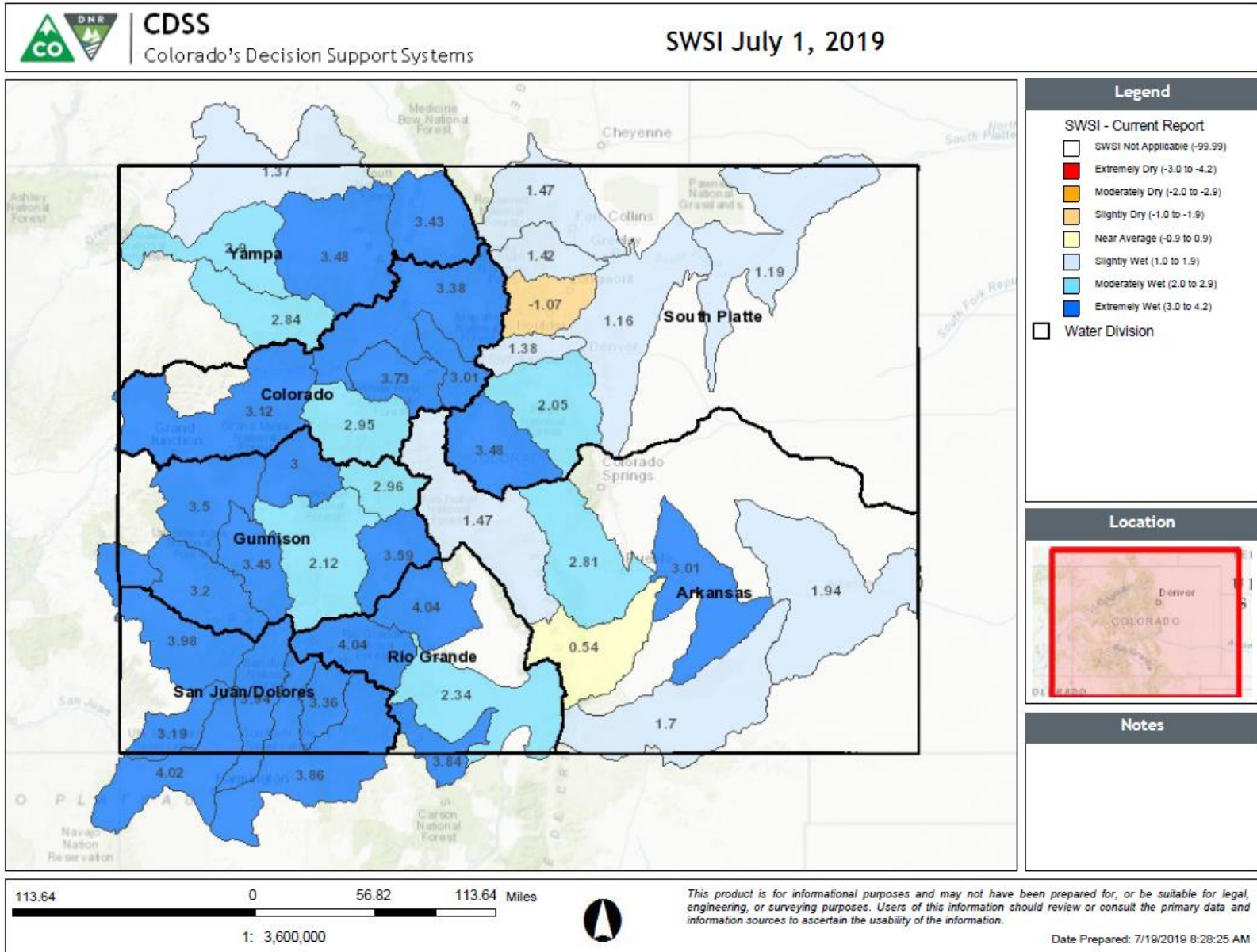
Oct-18 Nov-18 Dec-18 Jan-19 Feb-19 Mar-19
 Apr-19 May-19 Jun-19 Jul-19 Aug-19 Sep-19



COLORADO STATEWIDE Reservoir Storage Departure from Average



July 1, 2019 SWSI



Summary

•Precipitation Statewide

- June ended with above average precipitation but July has been very dry across the state
- Many SNOTEL sites and areas have received little to no precipitation

•Statewide reservoir storage has grew considerably through June with well above average streamflows

- Great recovery across the Western and Southwest basins after storage was very depleted last year

•With a late and large snowpack runoff there is the possibility June-July total streamflow volumes will be some of the largest observed on record in many areas



United States Department of Agriculture

Colorado Snow Surveys

Water Availability Task Force Meeting

July 23rd, 2019

NRCS Snow Survey and Water Supply Forecasting Program

Karl Wetlaufer

Hydrologist

Asst. Snow Survey Supervisor

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



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