



Water Availability Task Force Meeting

August 22nd, 2018

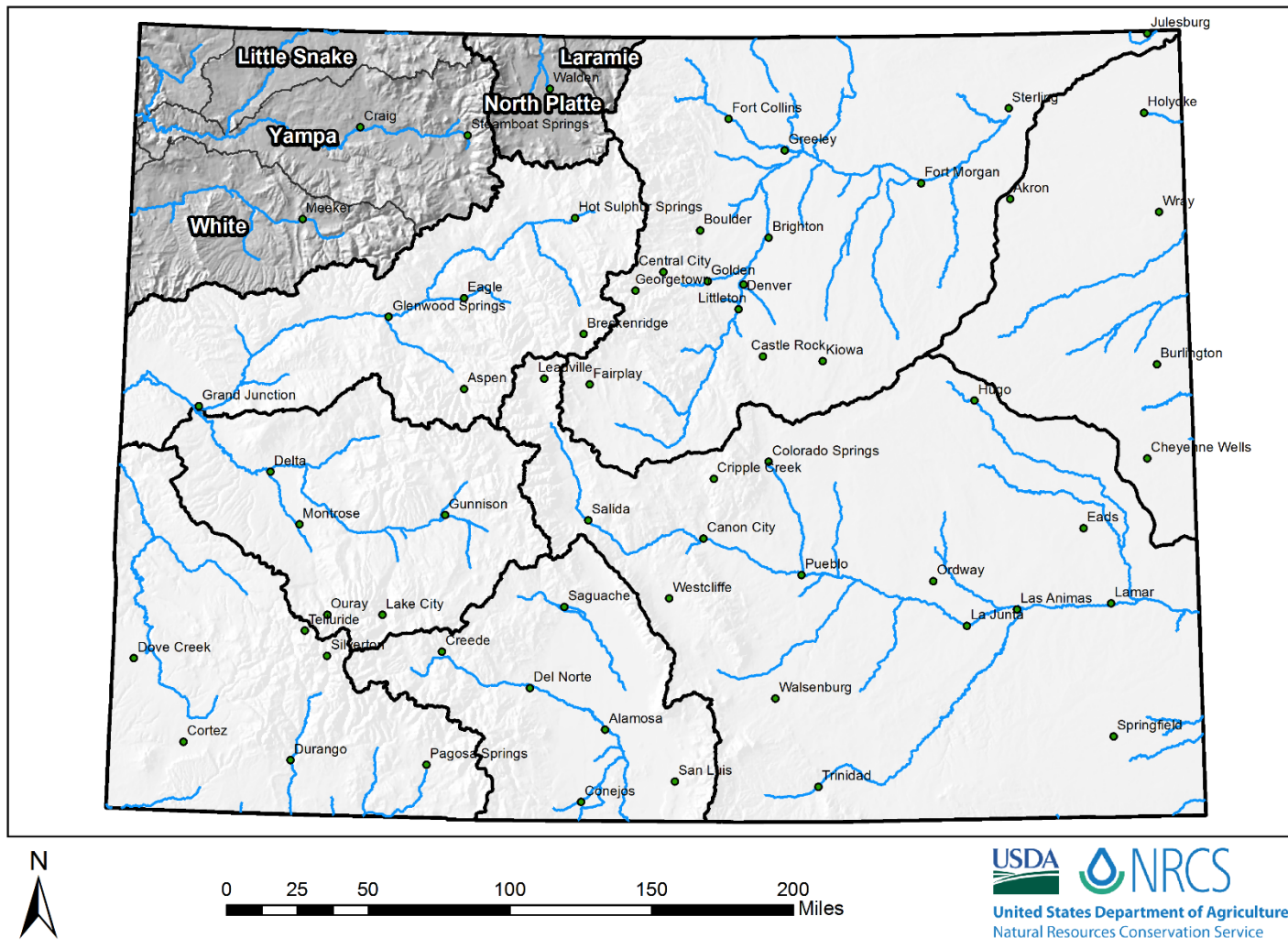
NRCS Snow Survey and Water Supply Forecasting Program

Brian Domonkos
Hydrologist
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

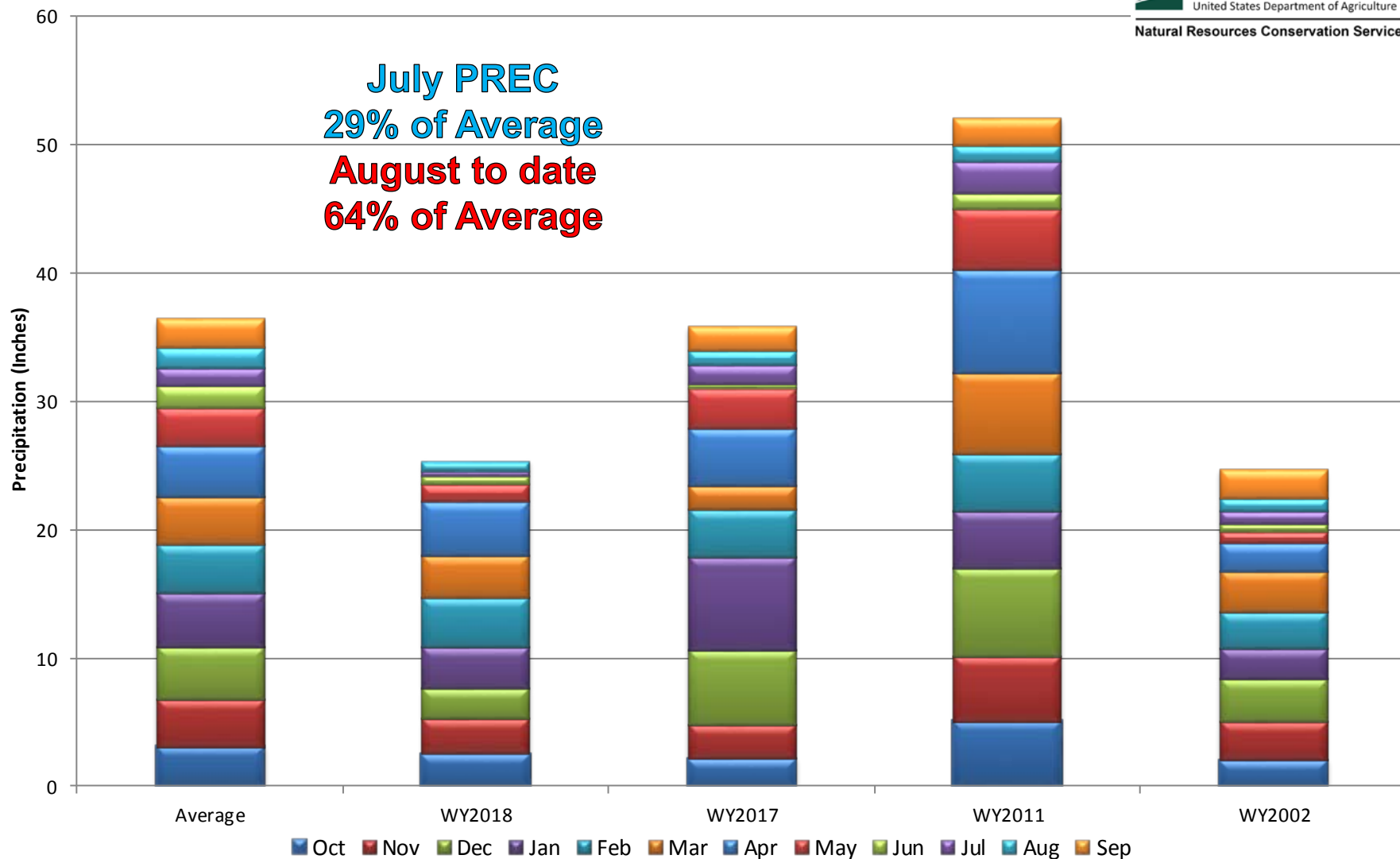




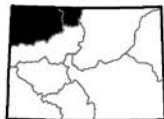
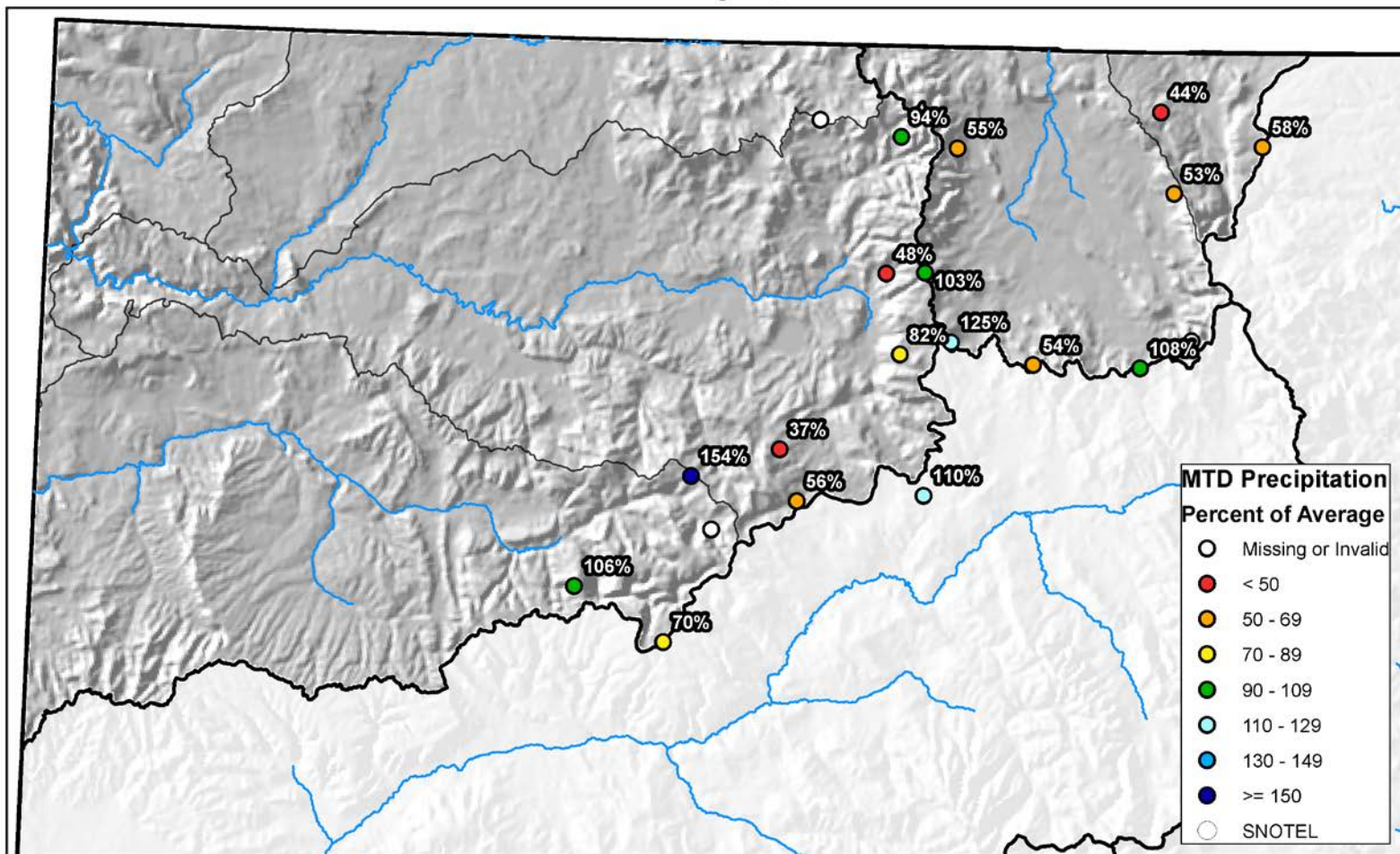
Yampa and White River Basins High/Low Monthly Precipitation Summary

Based on Provisional SNOTEL data as of Aug 21, 2018

July PREC
29% of Average
August to date
64% of Average



Yampa, White, and North Platte River Basins Month to Date Precipitation Summary Current as of Aug 21, 2018



0 10 20 40 60 80 Miles



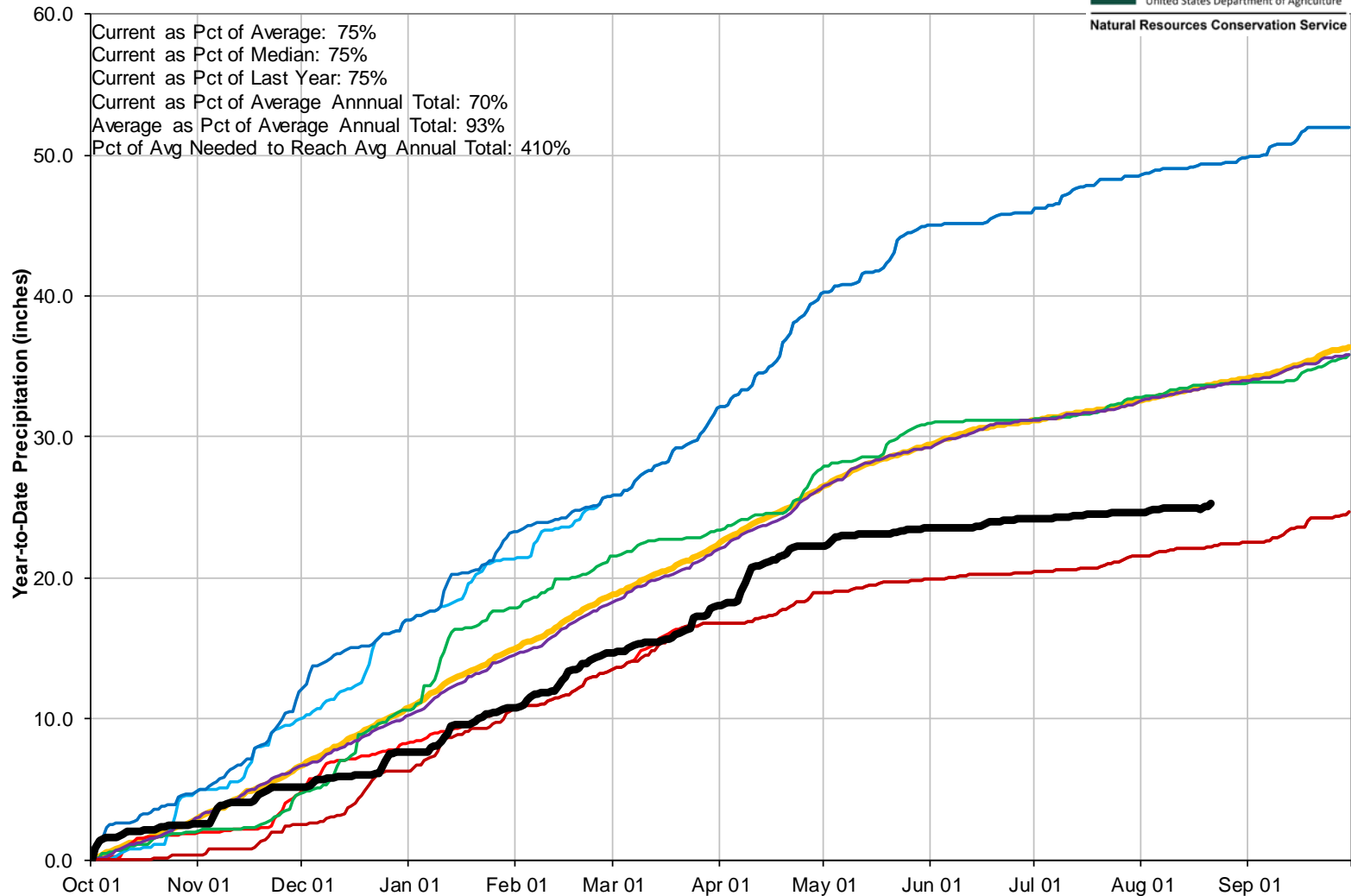
Yampa and White River Basins High/Low Year-to-Date Precipitation Summary

Based on Provisional SNOTEL data as of Aug 21, 2018



United States Department of Agriculture

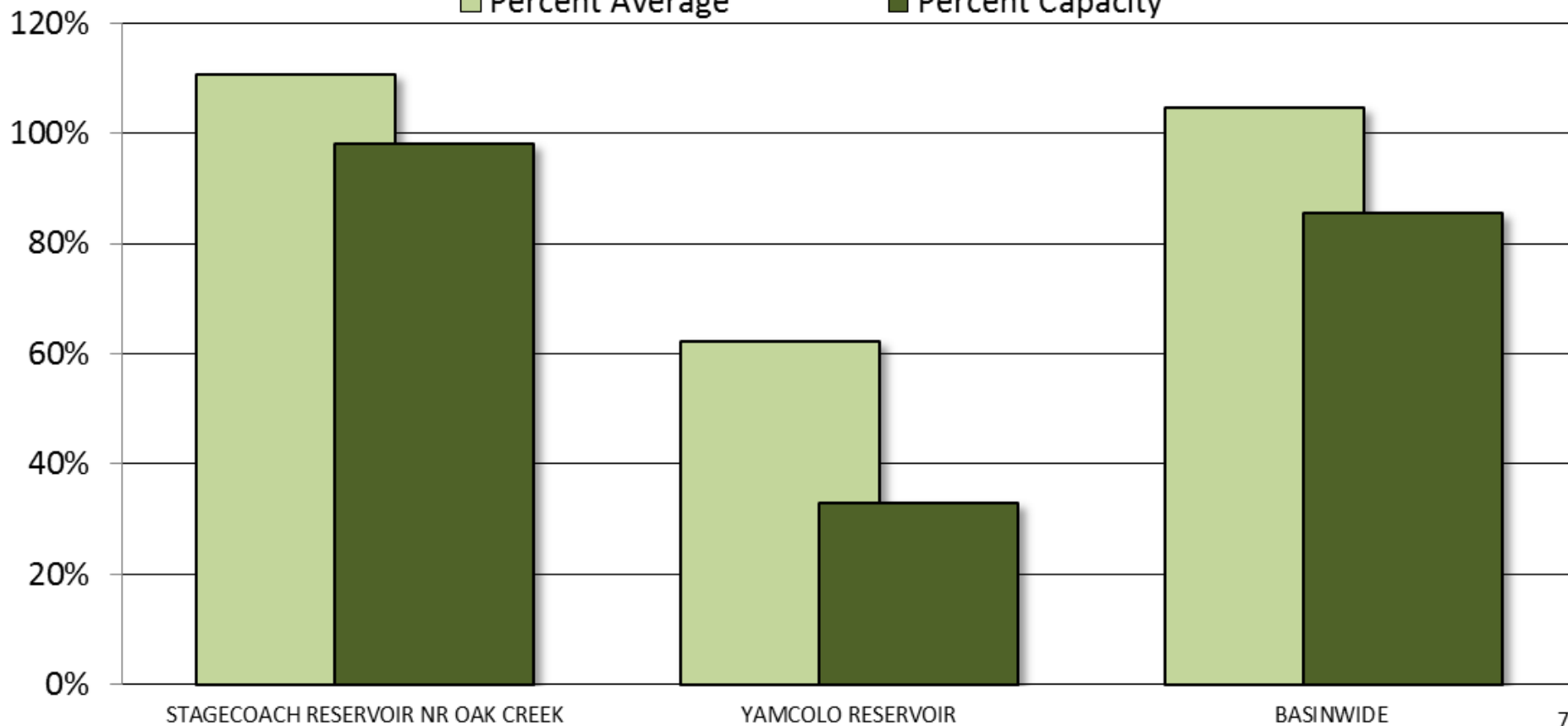
Natural Resources Conservation Service



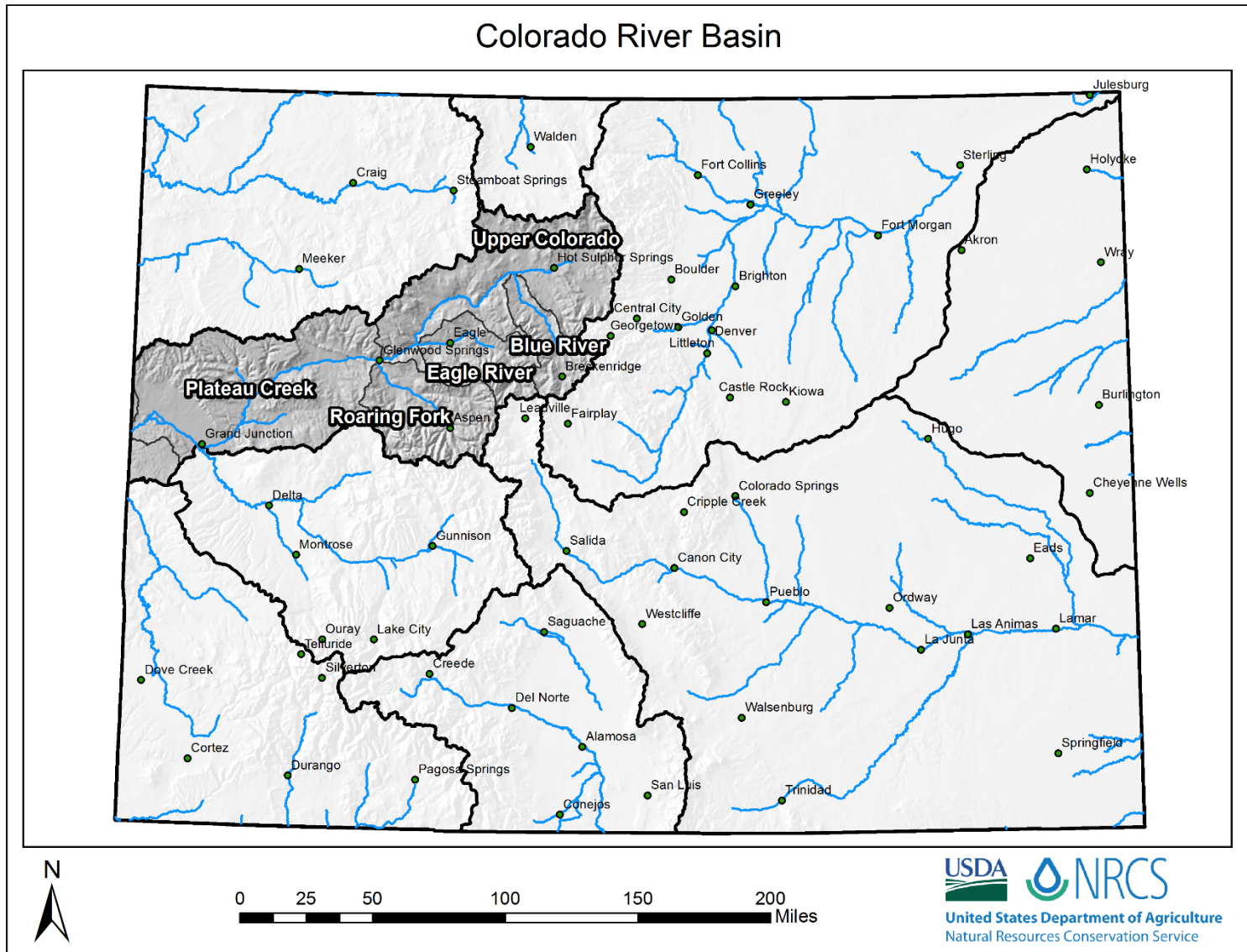
Reservoir Storage

■ Percent Average

■ Percent Capacity



Major Basin Summary





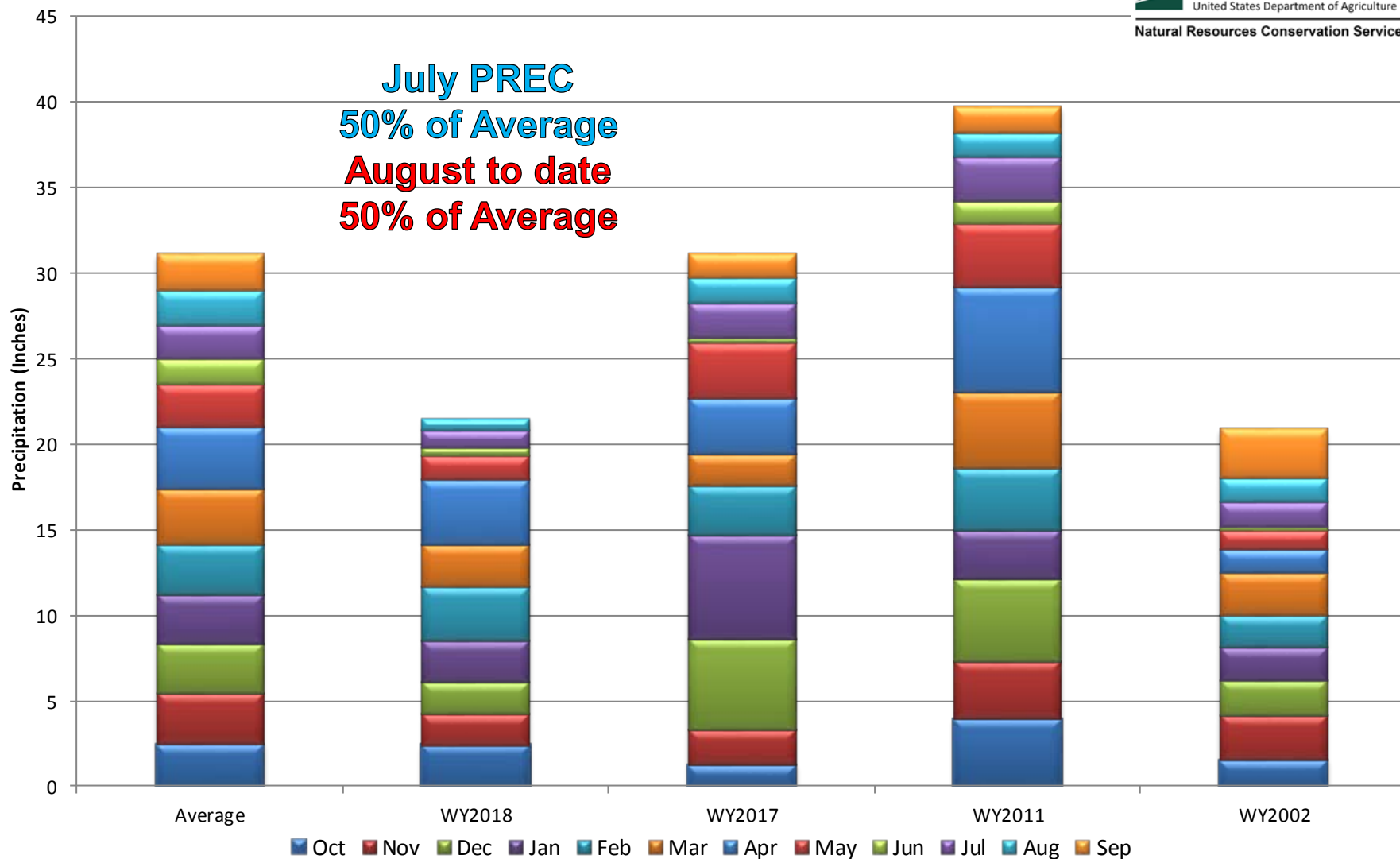
Upper Colorado River Basin High/Low Monthly Precipitation Summary

Based on Provisional SNOTEL data as of Aug 21, 2018



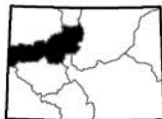
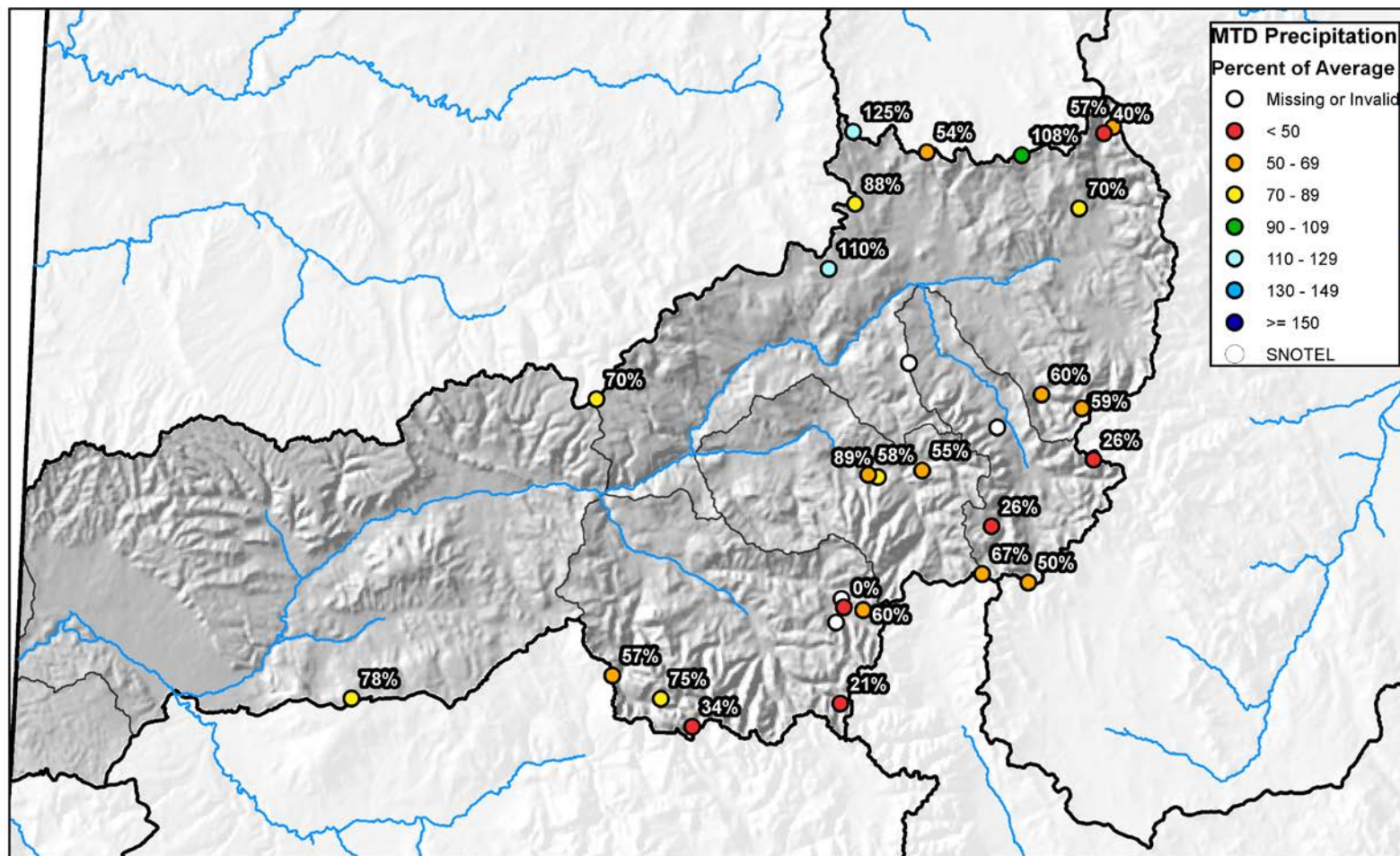
United States Department of Agriculture

Natural Resources Conservation Service



Upper Colorado River Basin Month to Date Precipitation Summary

Current as of Aug 21, 2018



0 10 20 40 60 80 Miles



United States Department of Agriculture

Natural Resources Conservation Service



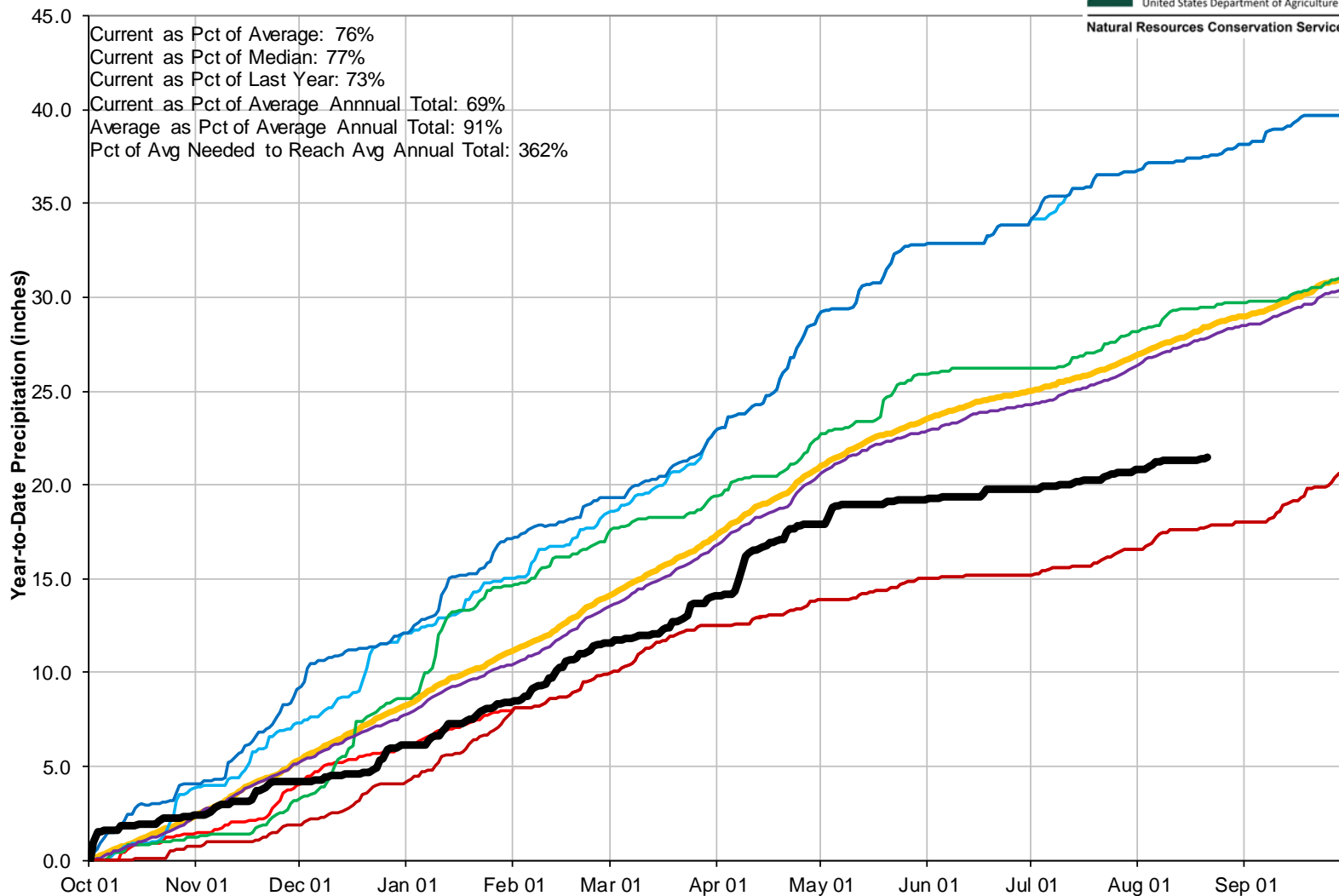
Upper Colorado River Basin High/Low Year-to-Date Precipitation Summary

Based on Provisional SNOTEL data as of Aug 21, 2018



United States Department of Agriculture

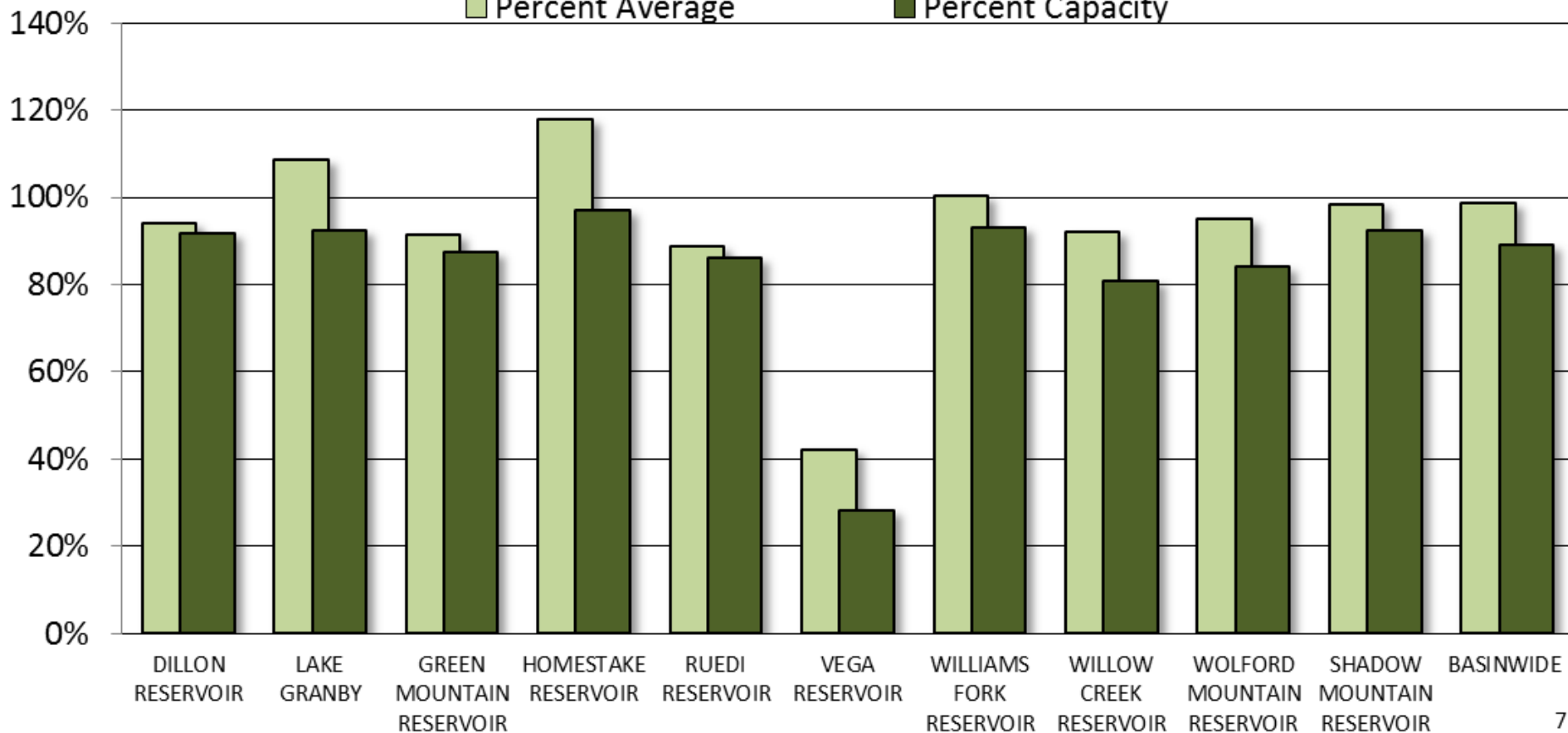
Natural Resources Conservation Service



Reservoir Storage

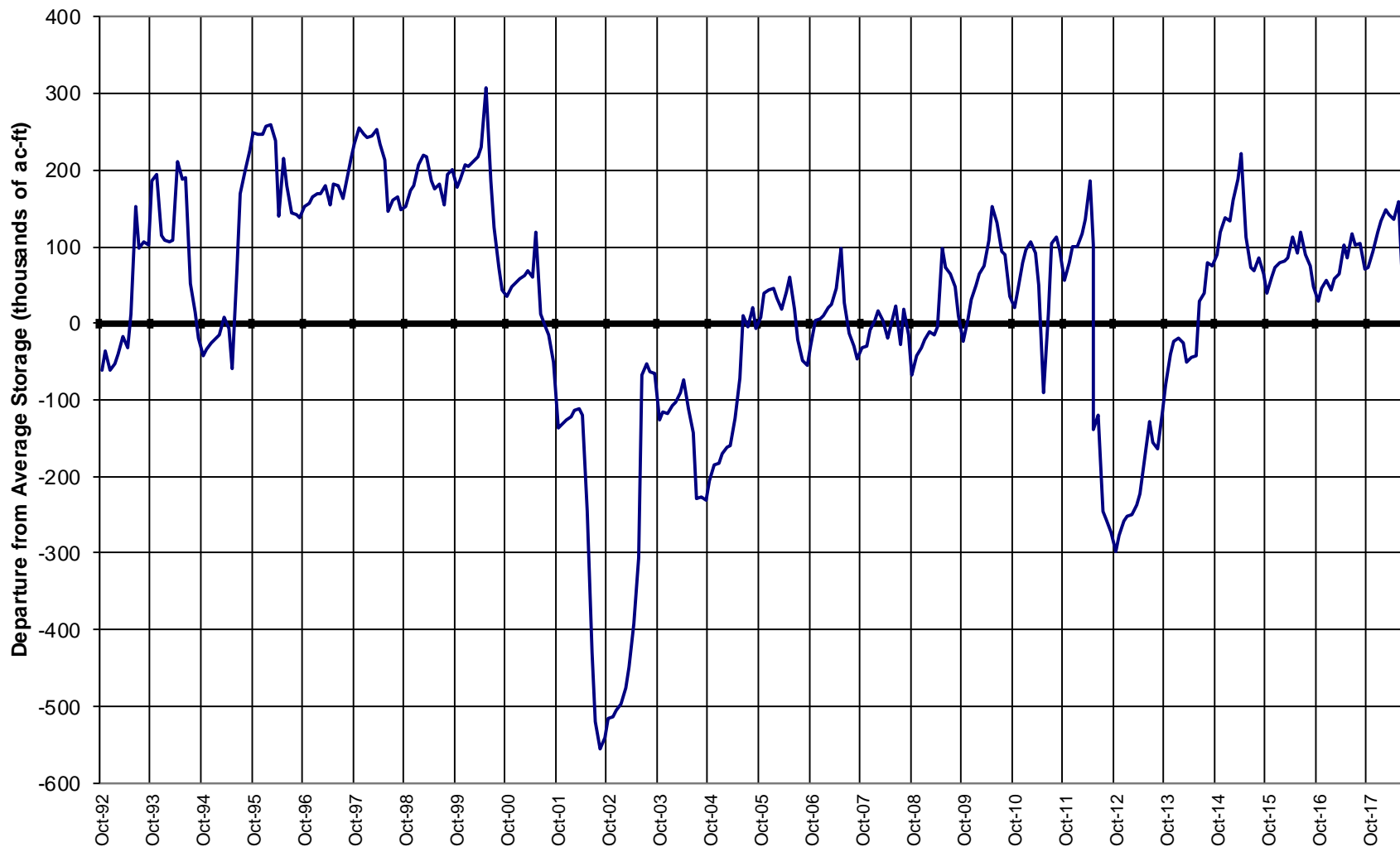
■ Percent Average

■ Percent Capacity





COLORADO RIVER BASIN Reservoir Storage Departure from Average



[illegible]

0 25 50 100 150 200 Miles



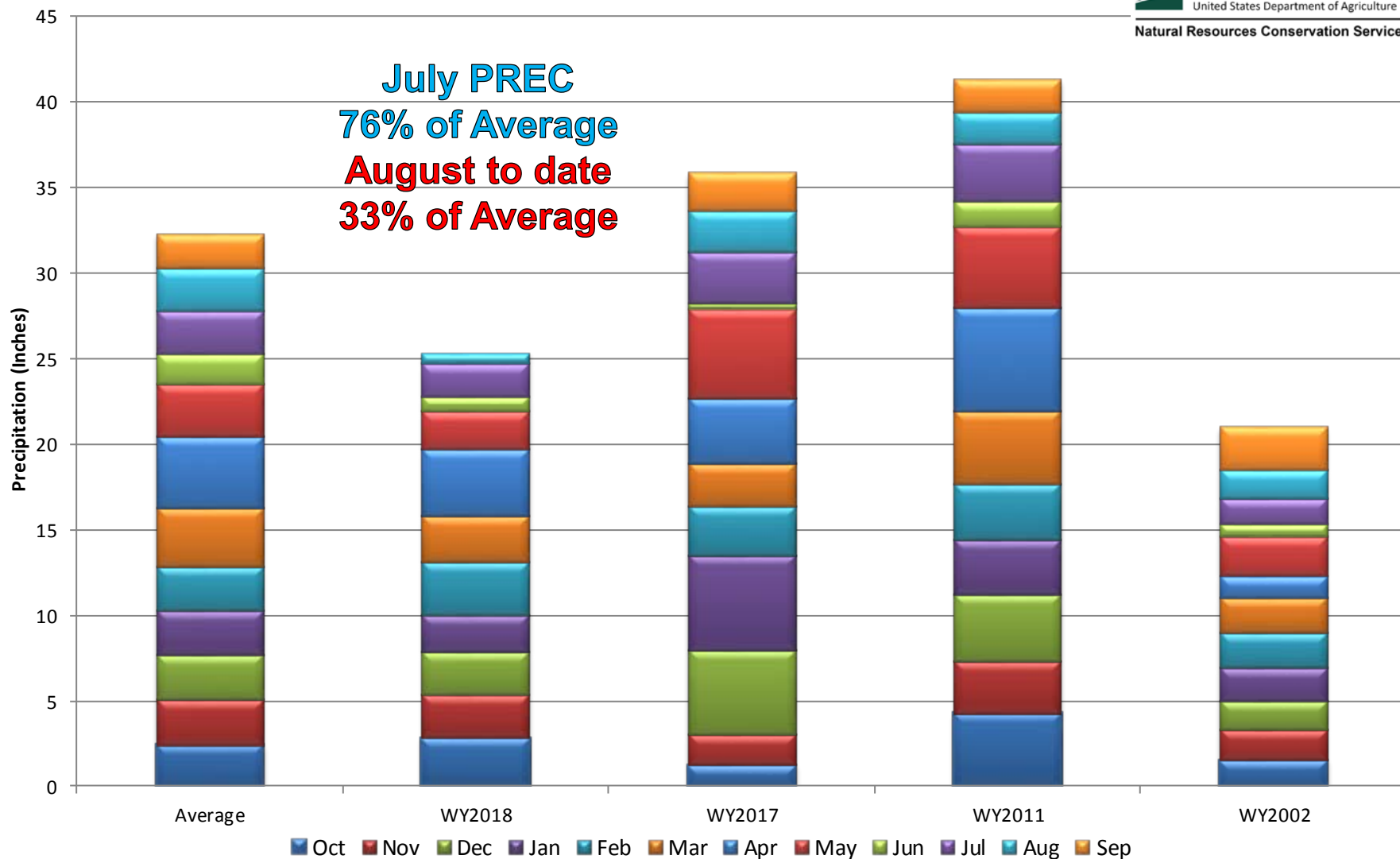
South Platte River Basin High/Low Monthly Precipitation Summary

Based on Provisional SNOTEL data as of Aug 21, 2018



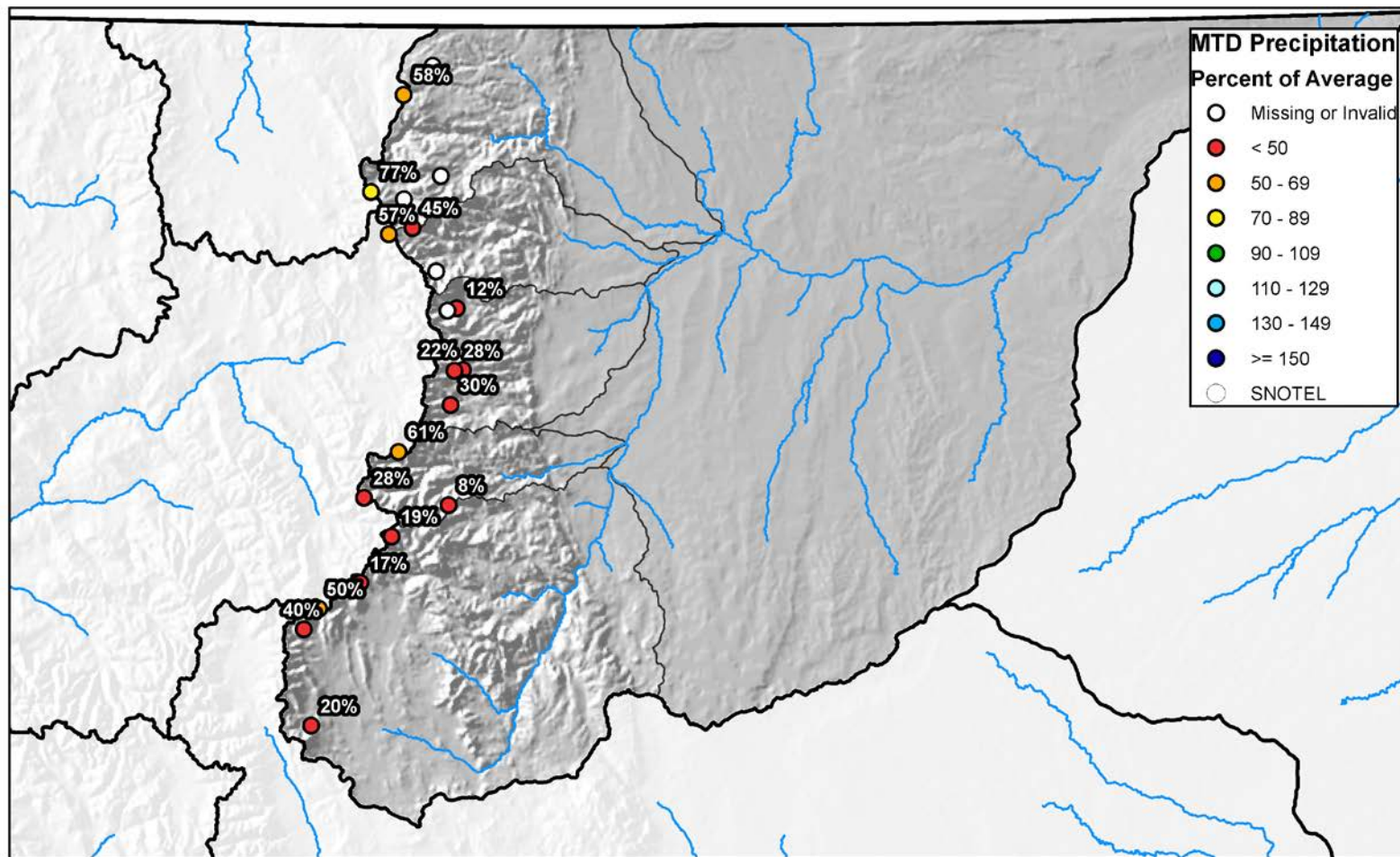
United States Department of Agriculture

Natural Resources Conservation Service



South Platte River Basin Month to Date Precipitation Summary

Current as of Aug 21, 2018



0 10 20 40 60 80 Miles



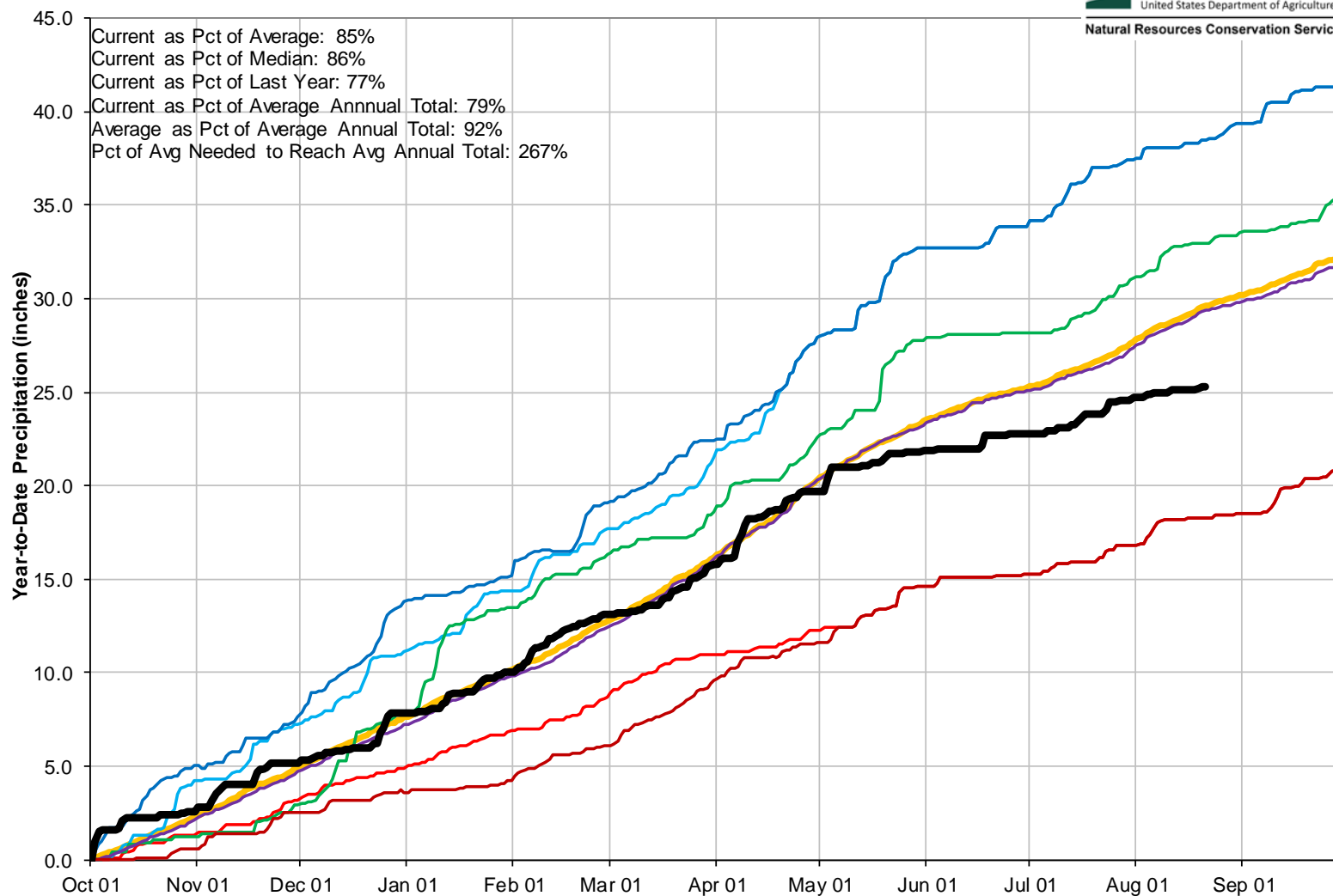
South Platte River Basin High/Low Year-to-Date Precipitation Summary

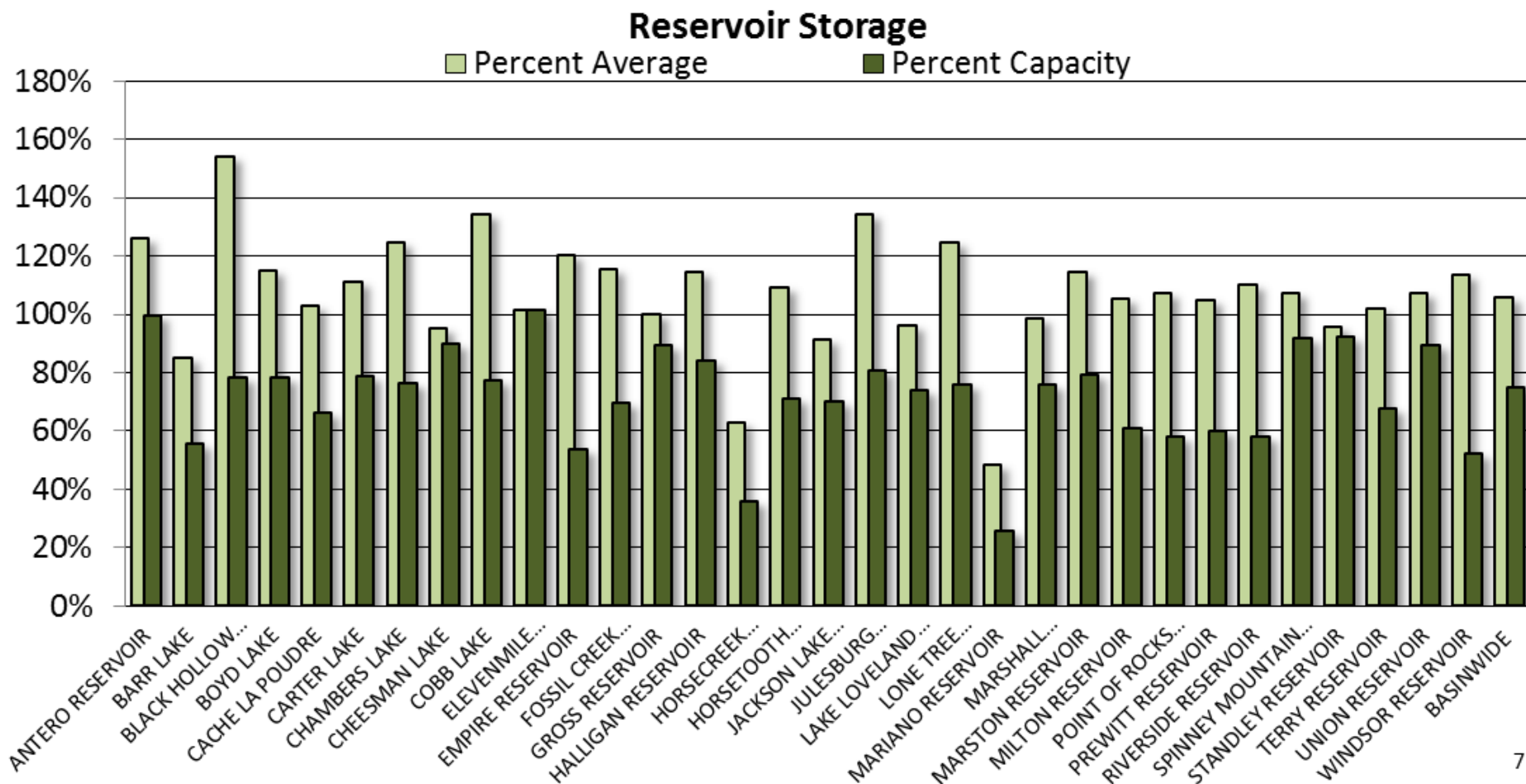
Based on Provisional SNOTEL data as of Aug 21, 2018



United States Department of Agriculture

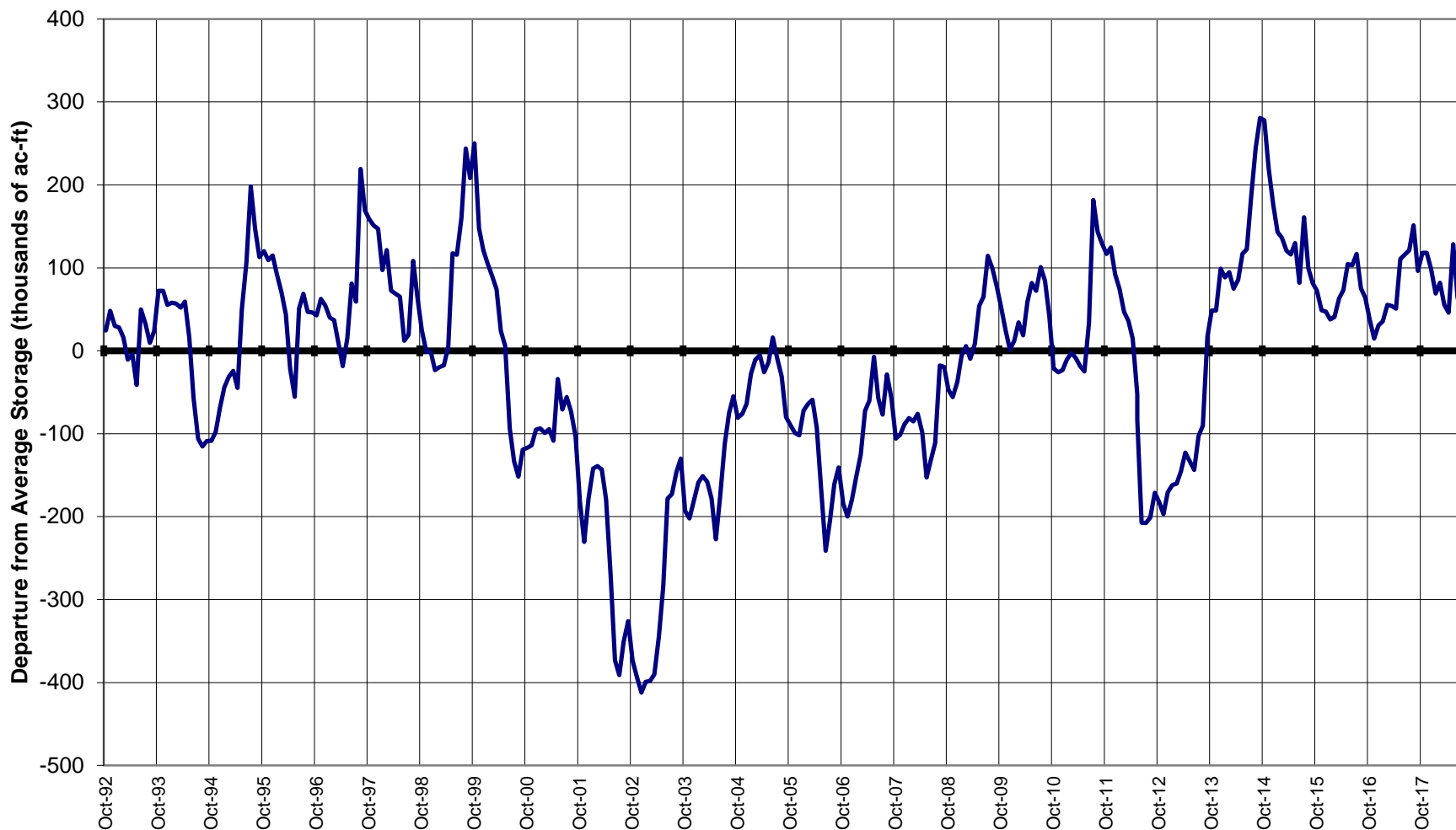
Natural Resources Conservation Service





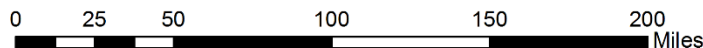
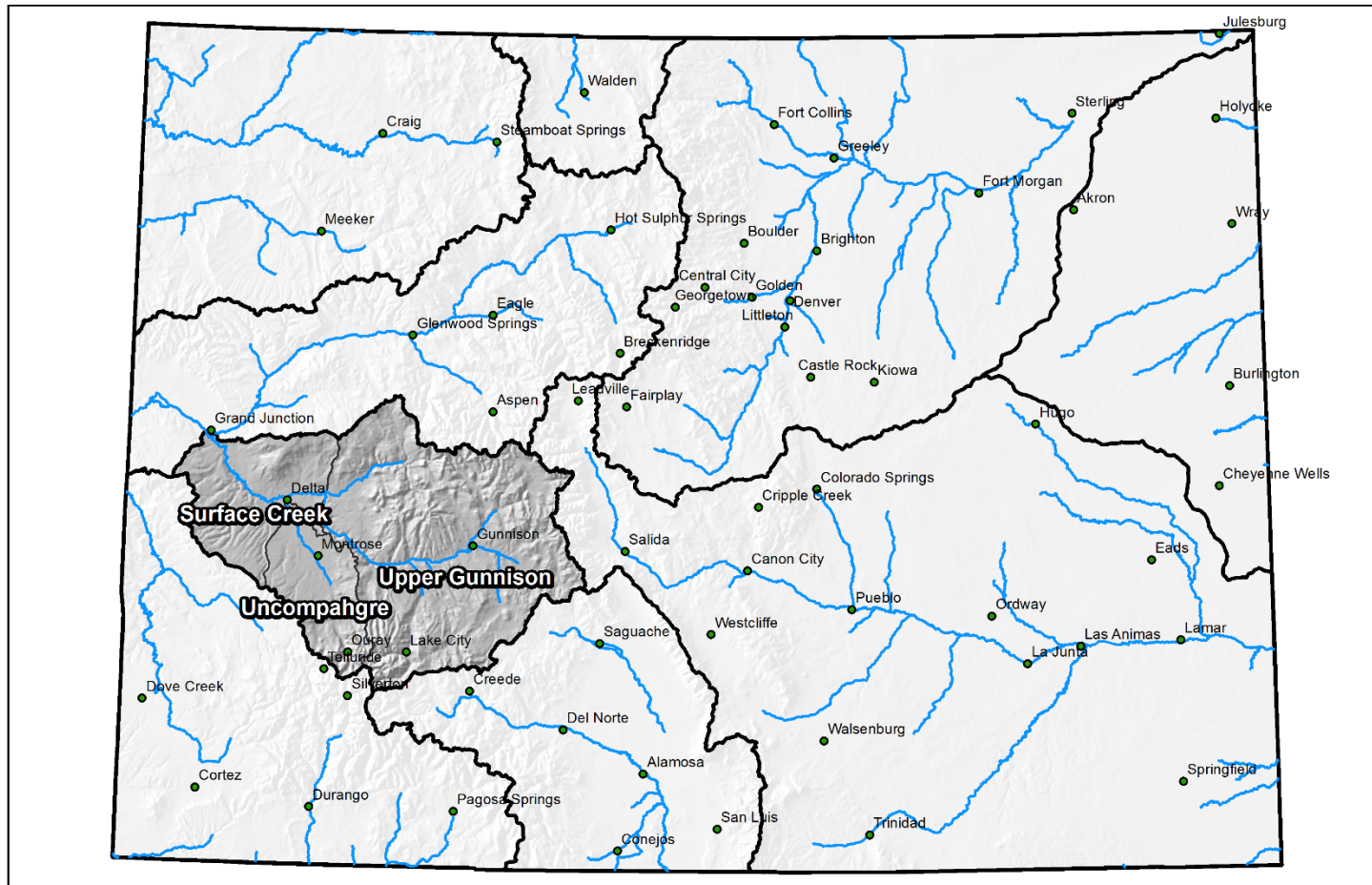


SOUTH PLATTE RIVER BASIN Reservoir Storage Departure from Average



Major Basin Summary

Gunnison River Basin





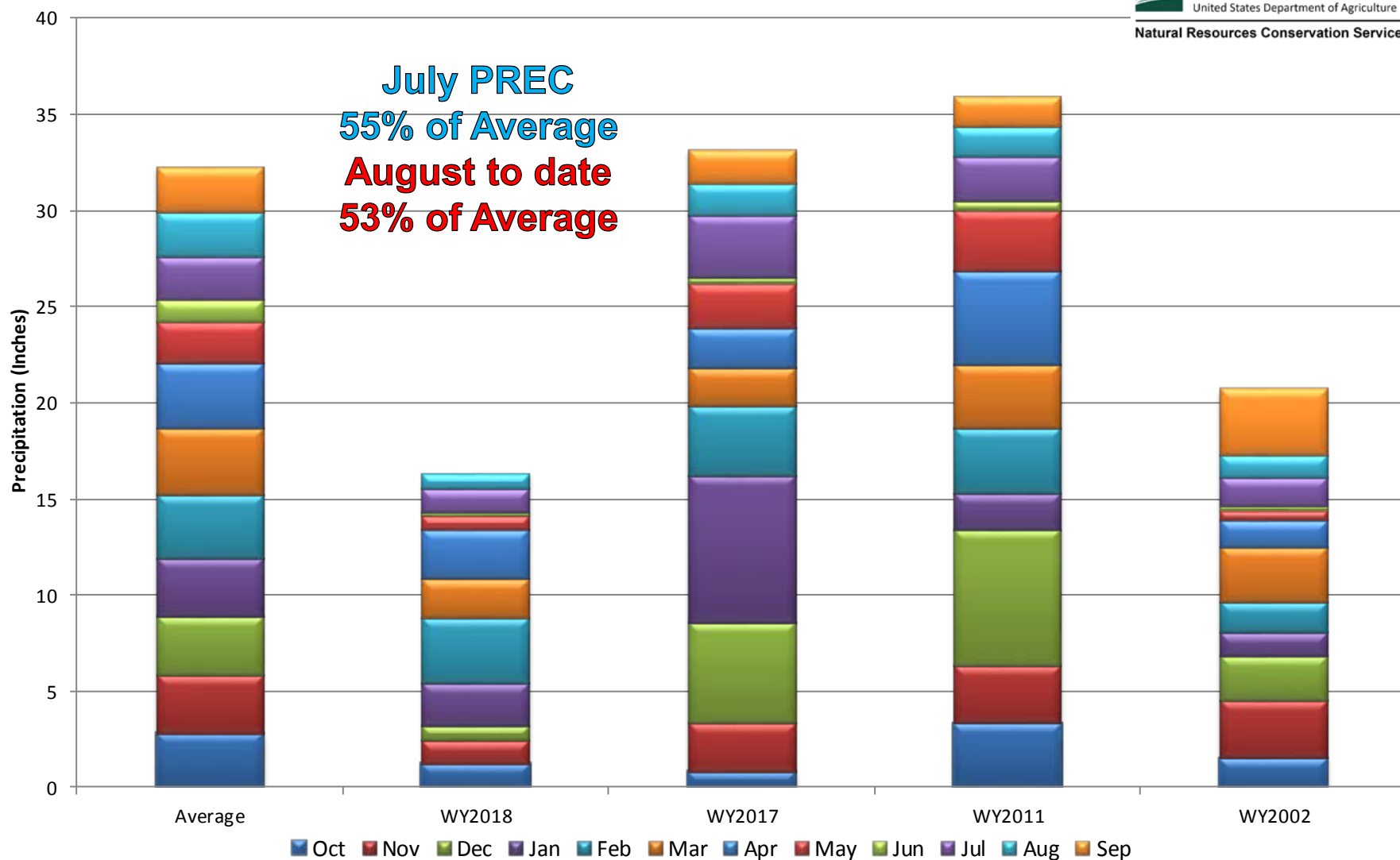
Gunnison River Basin High/Low Monthly Precipitation Summary

Based on Provisional SNOTEL data as of Aug 21, 2018



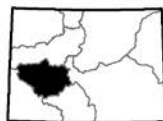
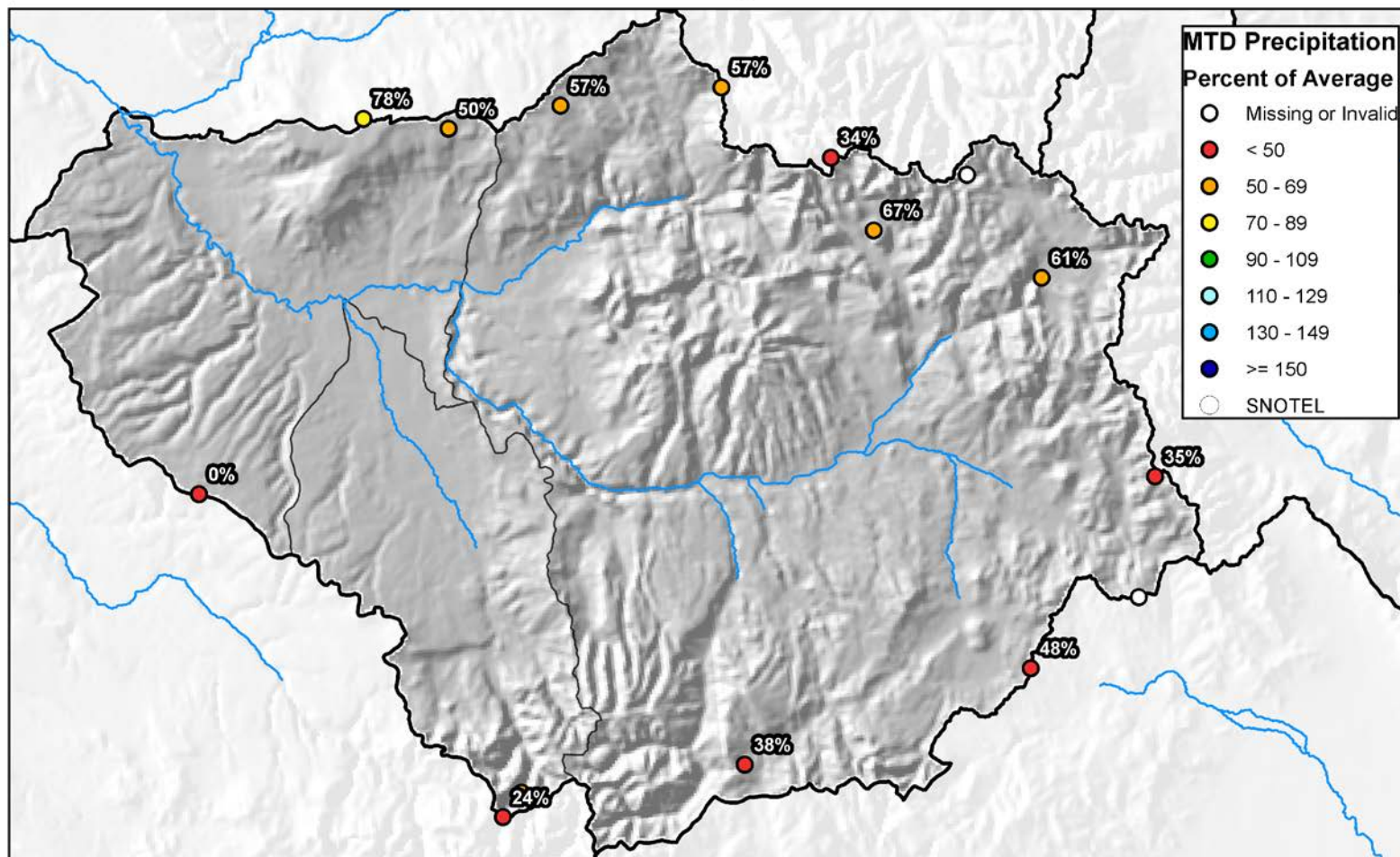
United States Department of Agriculture

Natural Resources Conservation Service



Gunnison River Basin Month to Date Precipitation Summary

Current as of Aug 21, 2018



0 5 10 20 30 40 Miles



United States Department of Agriculture

Natural Resources Conservation Service



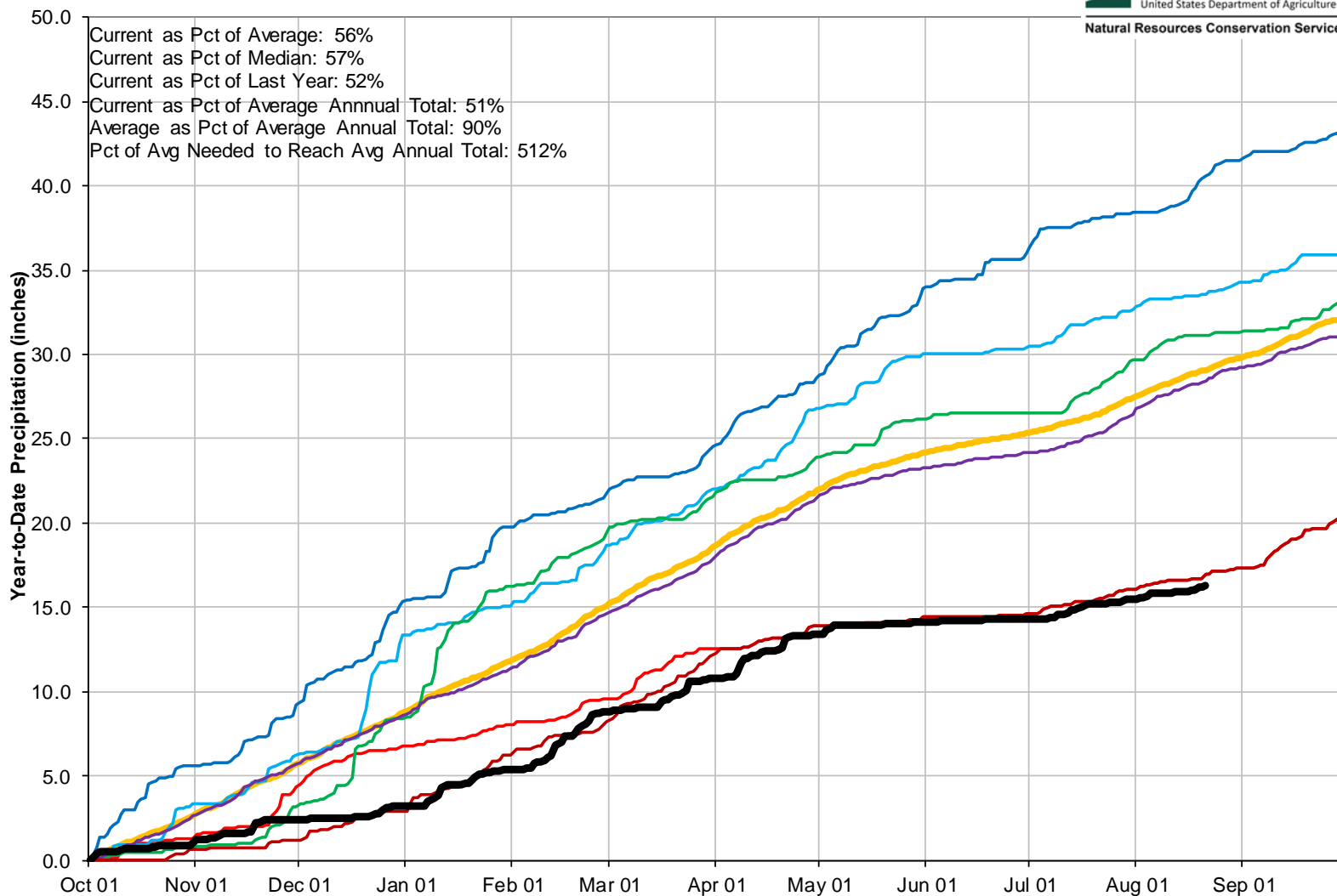
Gunnison River Basin High/Low Year-to-Date Precipitation Summary

Based on Provisional SNOTEL data as of Aug 21, 2018



United States Department of Agriculture

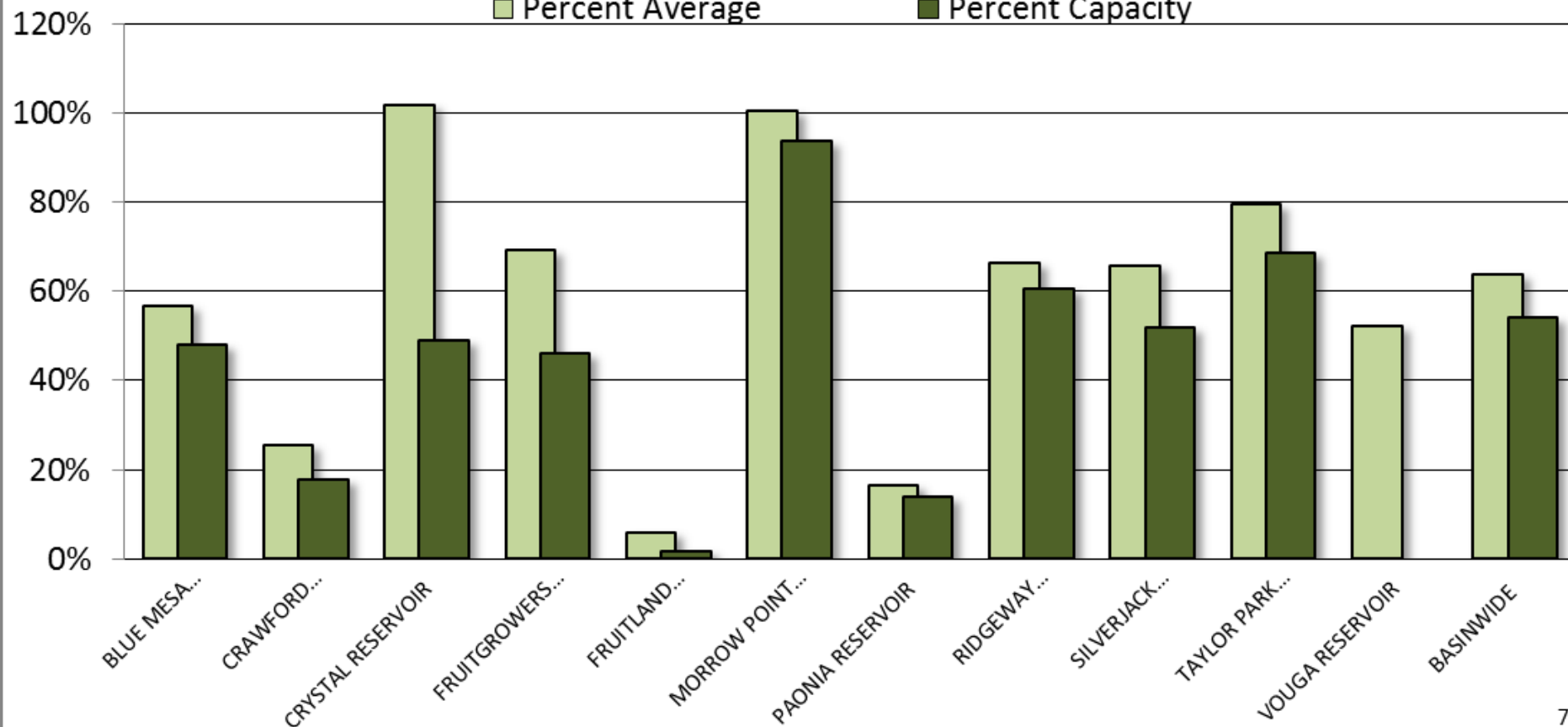
Natural Resources Conservation Service



Reservoir Storage

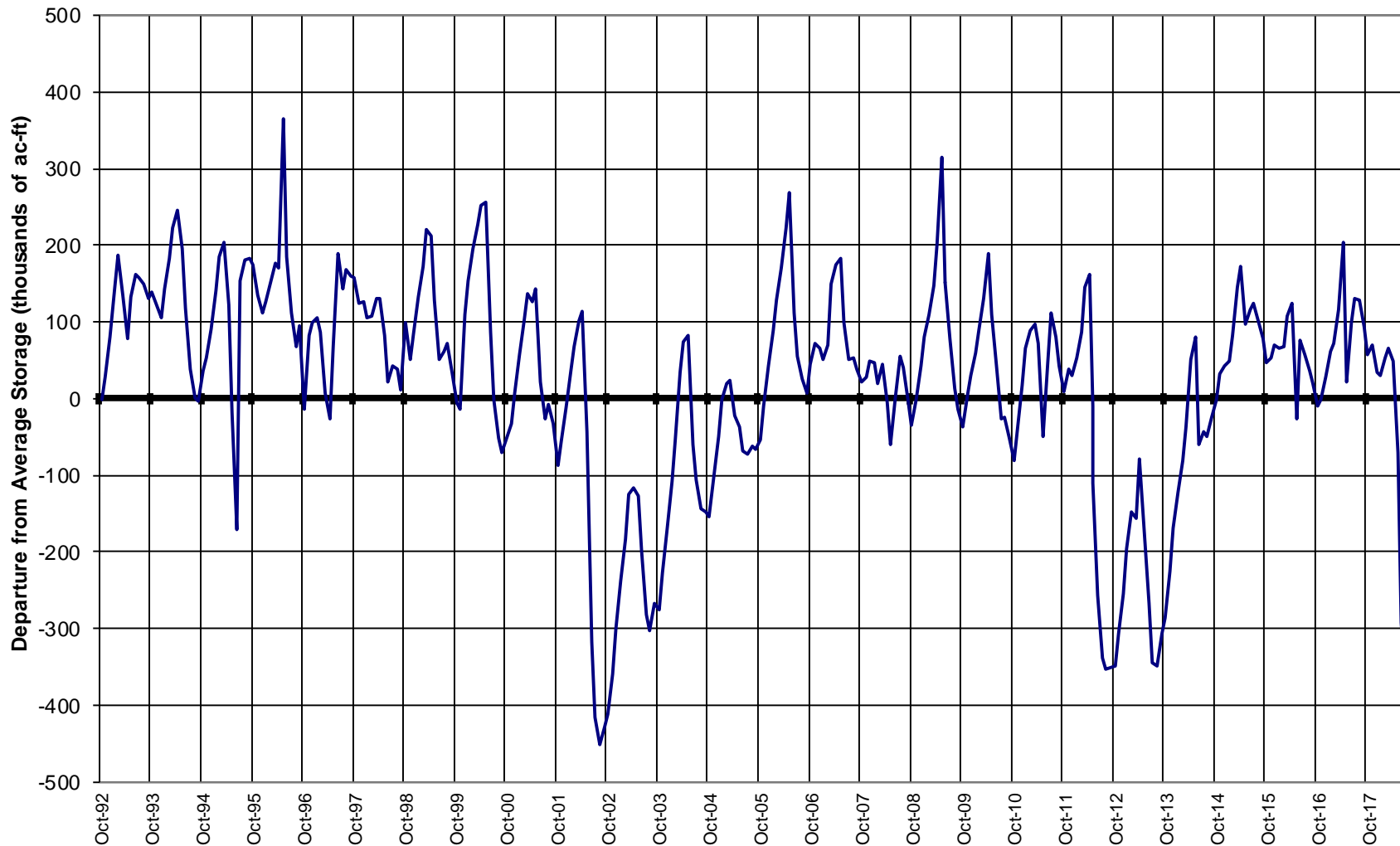
■ Percent Average

■ Percent Capacity



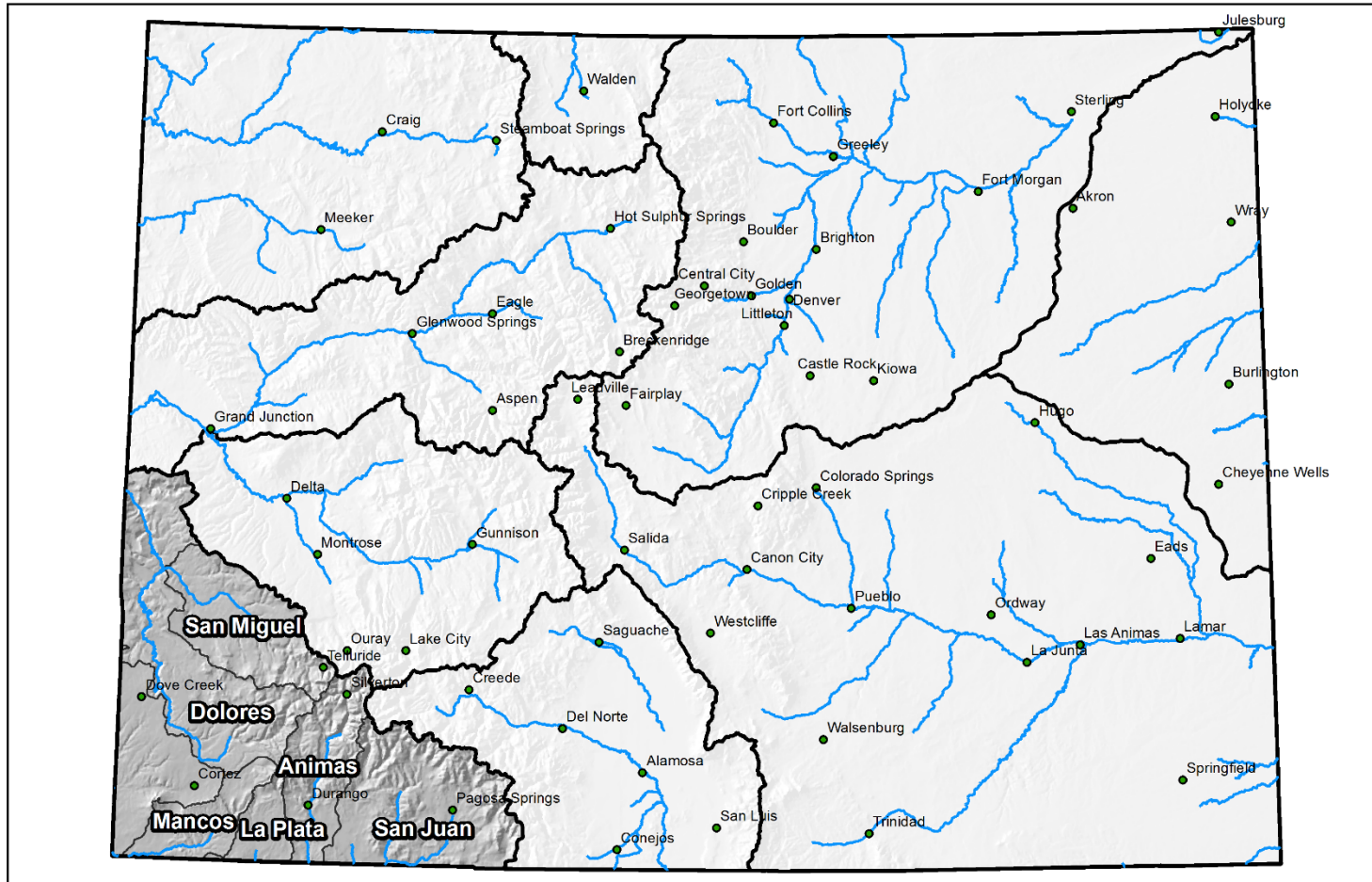


GUNNISON RIVER BASIN Reservoir Storage Departure from Average



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

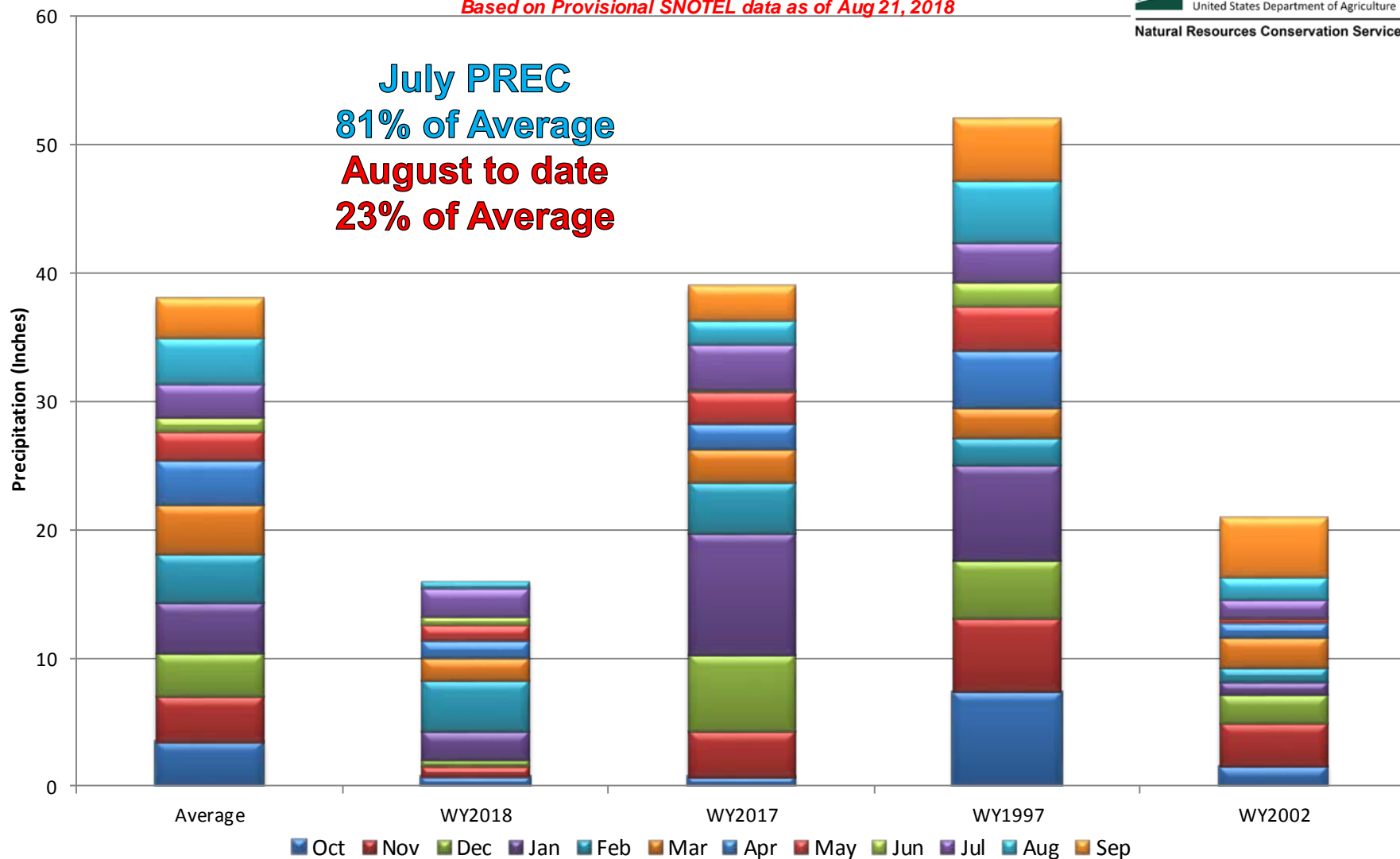
Based on Provisional SNOTEL data as of Aug 21, 2018



United States Department of Agriculture

Natural Resources Conservation Service

July PREC
81% of Average
August to date
23% of Average

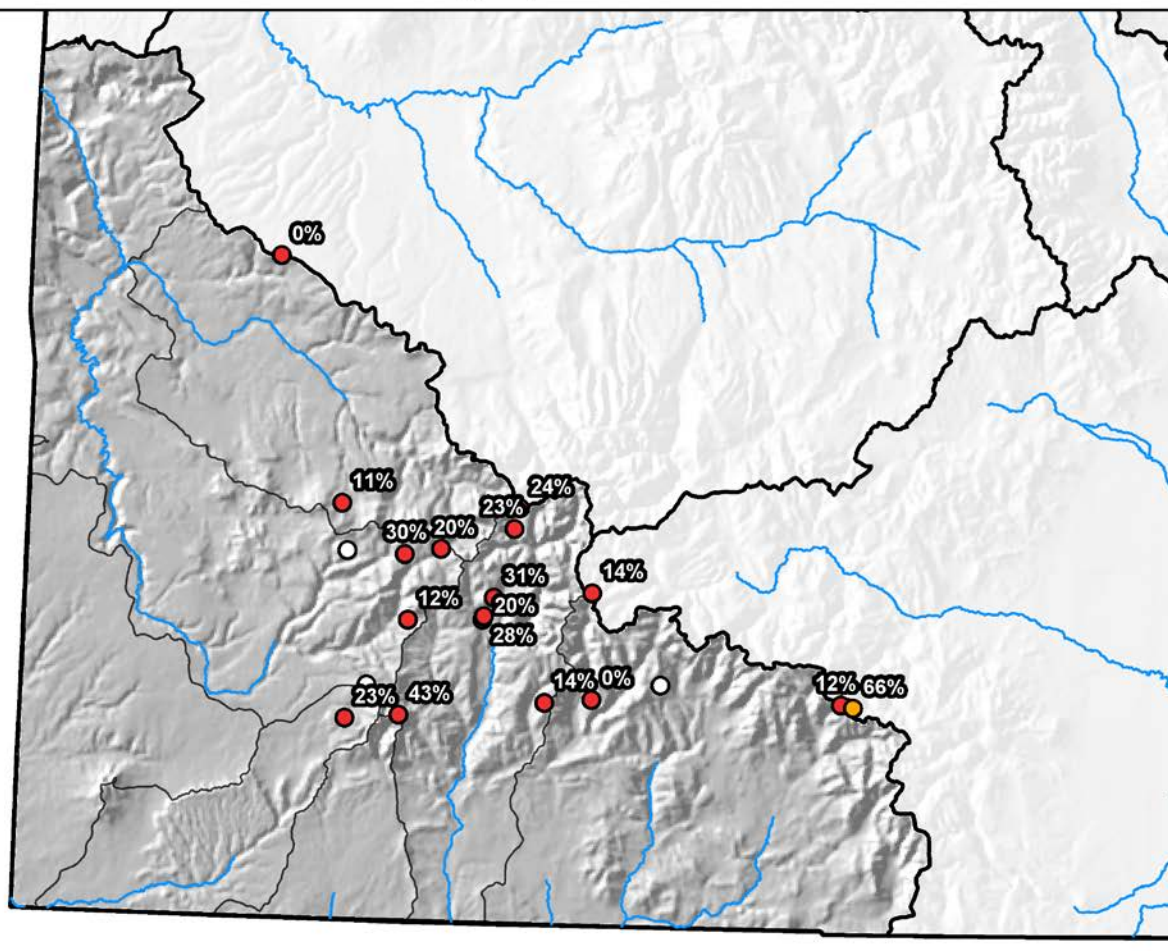


San Miguel, Dolores, Animas, and San Juan River Basins Month to Date Precipitation Summary

Current as of Aug 21, 2018

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



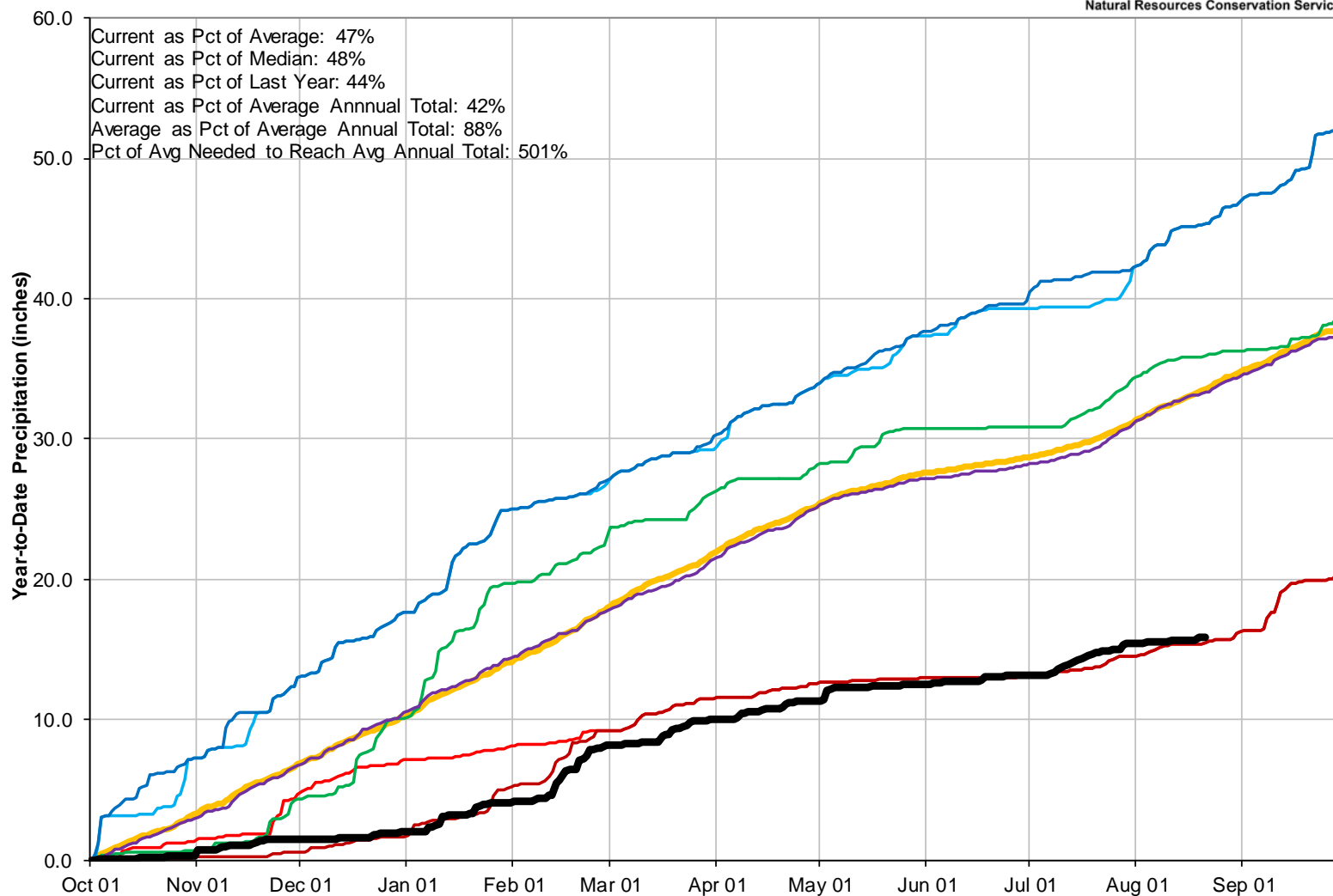
San Miguel, Dolores, Animas and San Juan River Basins High/Low Year-to-Date Precipitation Summary

Based on Provisional SNOTEL data as of Aug 21, 2018



United States Department of Agriculture

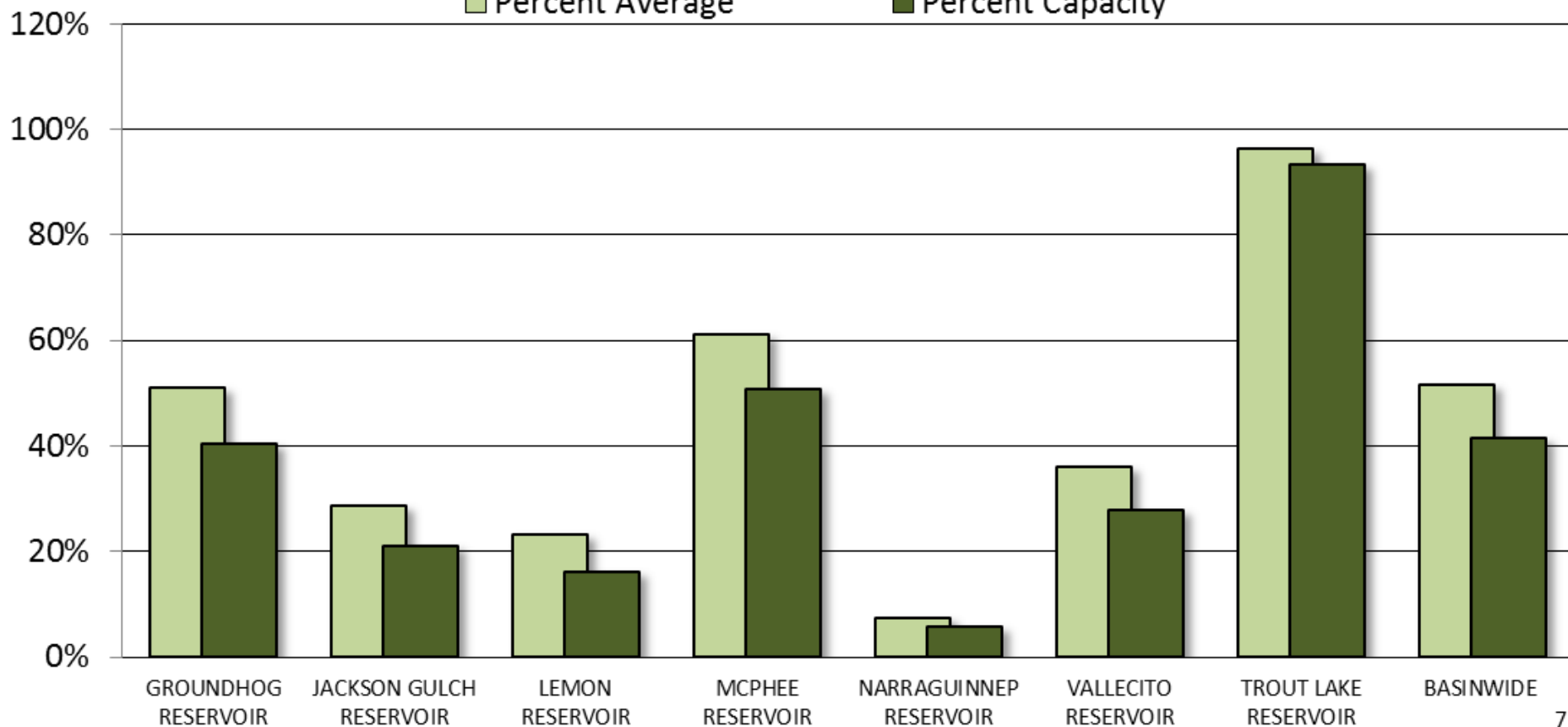
Natural Resources Conservation Service



Reservoir Storage

■ Percent Average

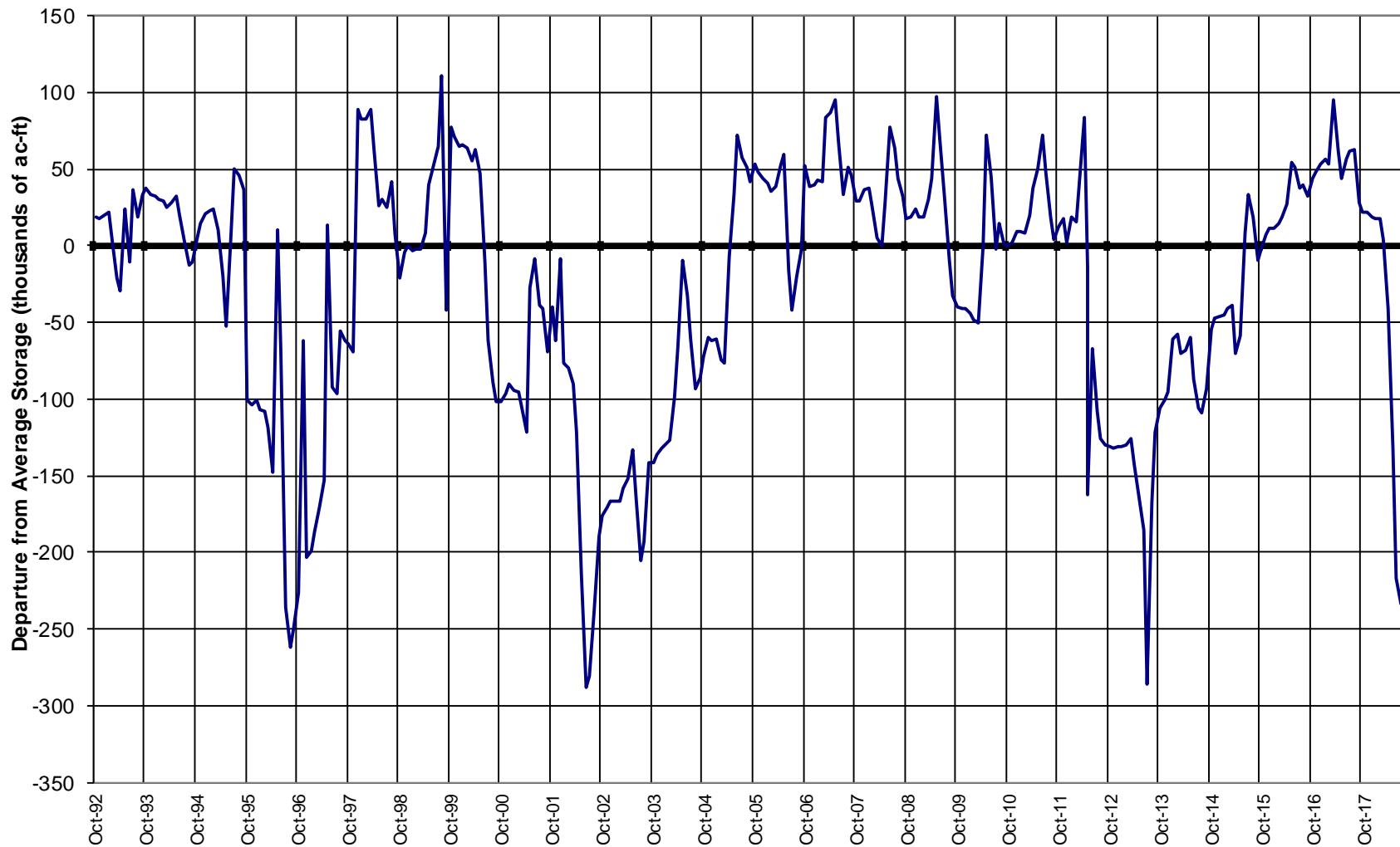
■ Percent Capacity





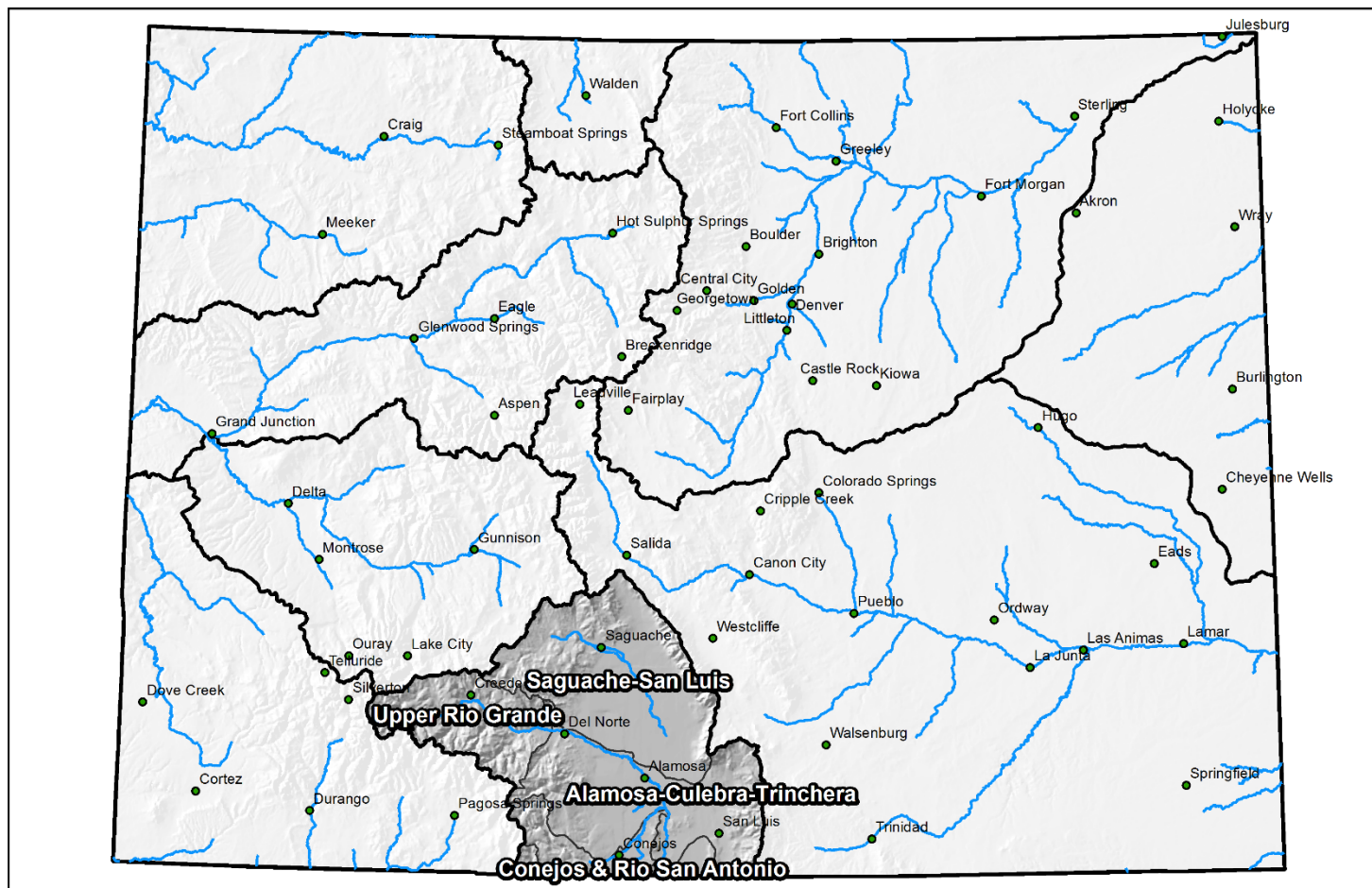
SAN MIGUEL, DOLORES, ANIMAS AND SAN JUAN RIVER BASINS

Reservoir Storage
Departure from Average



Major Basin Summary

Upper Rio Grande River Basin



0 25 50 100 150 200 Miles



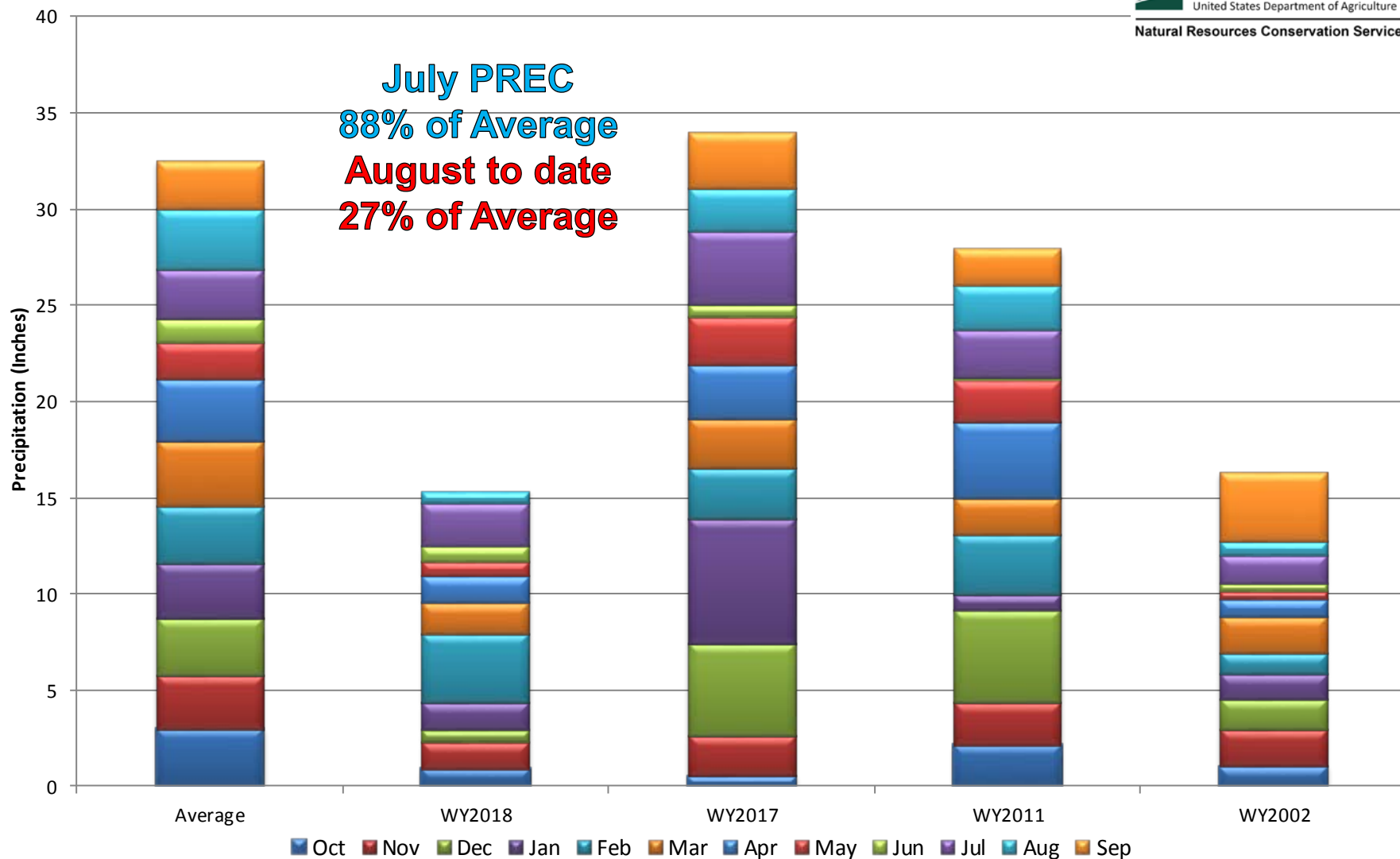
Upper Rio Grande River Basin High/Low Monthly Precipitation Summary

Based on Provisional SNOTEL data as of Aug 21, 2018



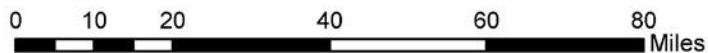
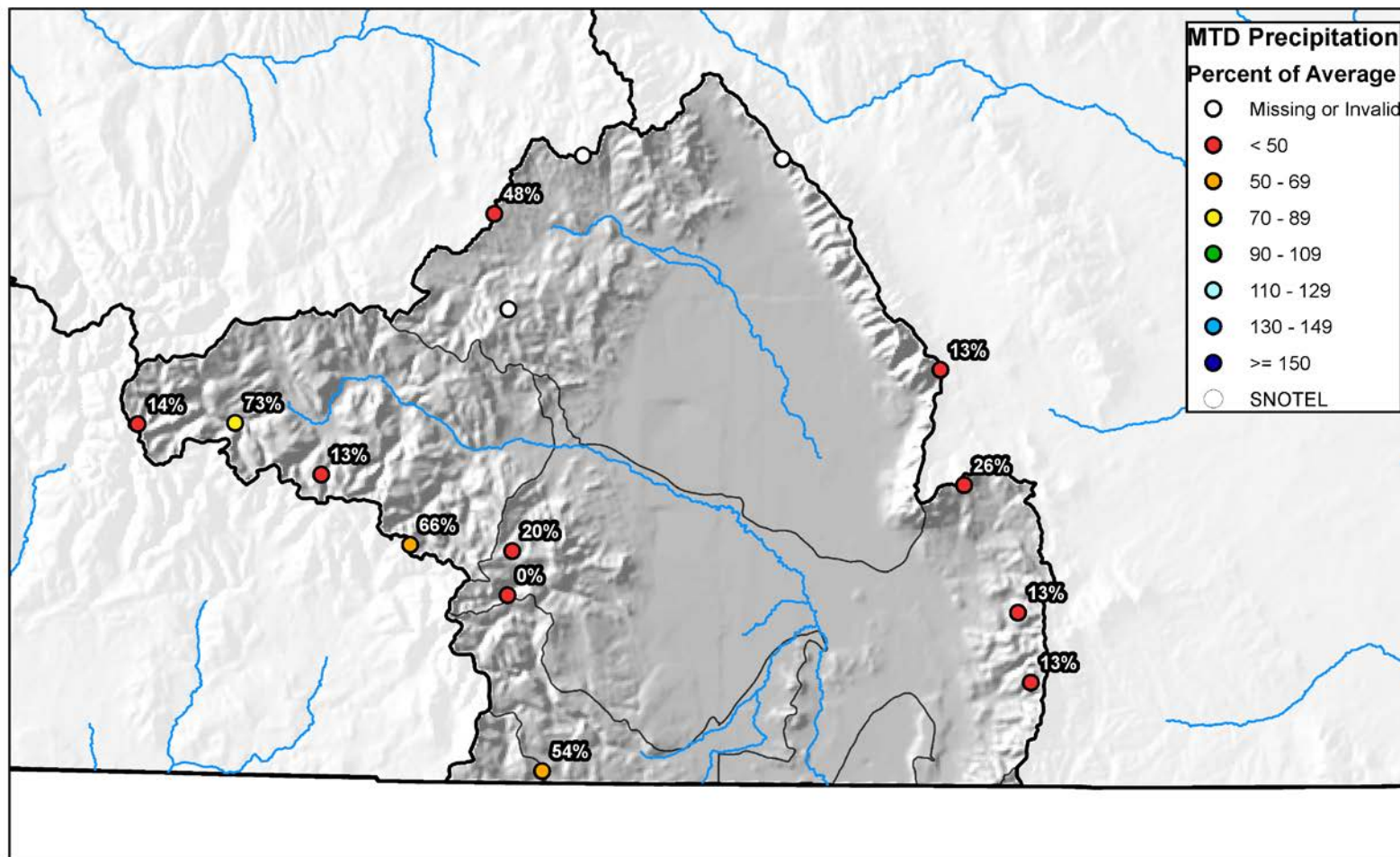
United States Department of Agriculture

Natural Resources Conservation Service



Upper Rio Grande River Basin Month to Date Precipitation Summary

Current as of Aug 21, 2018





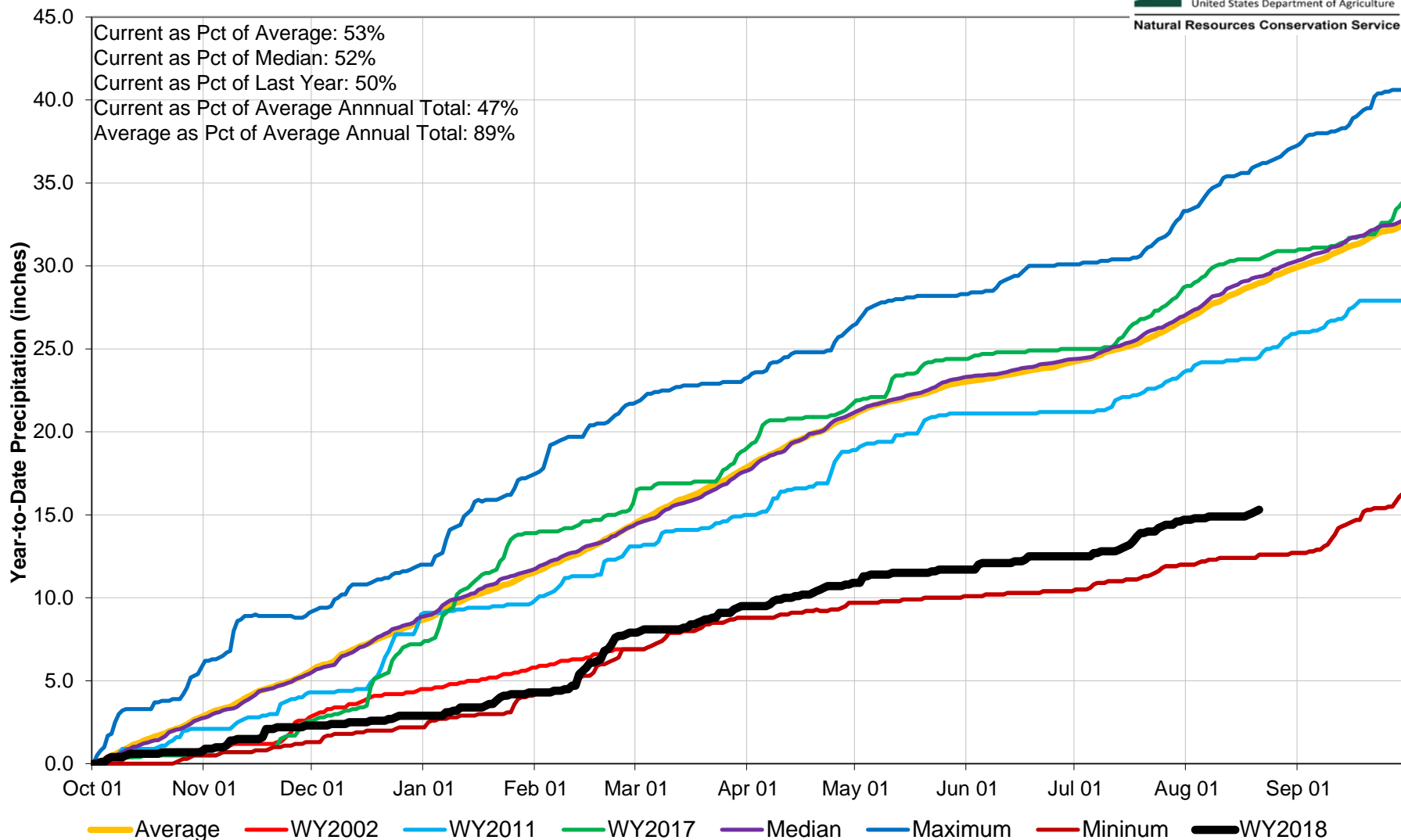
Upper Rio Grande River Basin High/Low Year-to-Date Precipitation Summary

Based on Provisional SNOTEL data as of Aug 21, 2018



United States Department of Agriculture

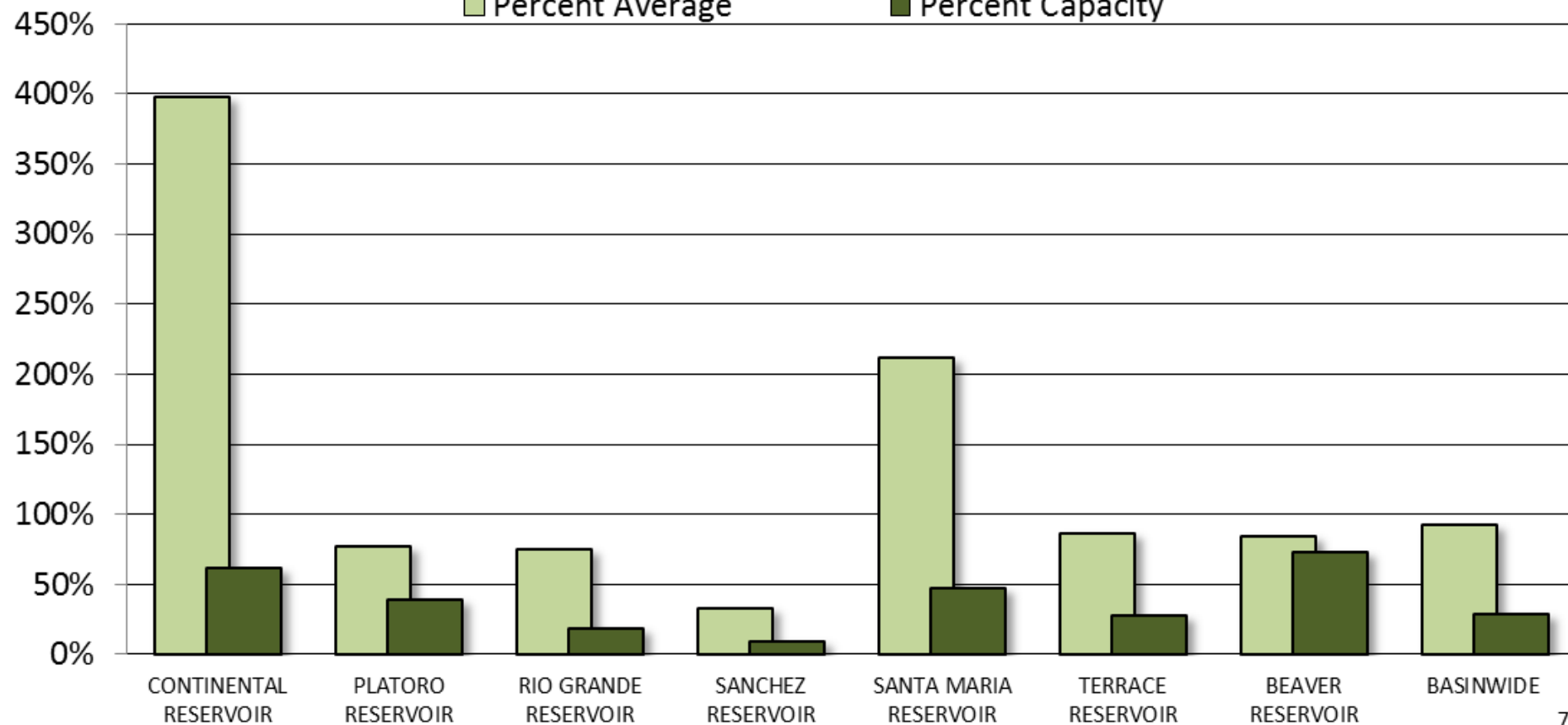
Natural Resources Conservation Service



Reservoir Storage

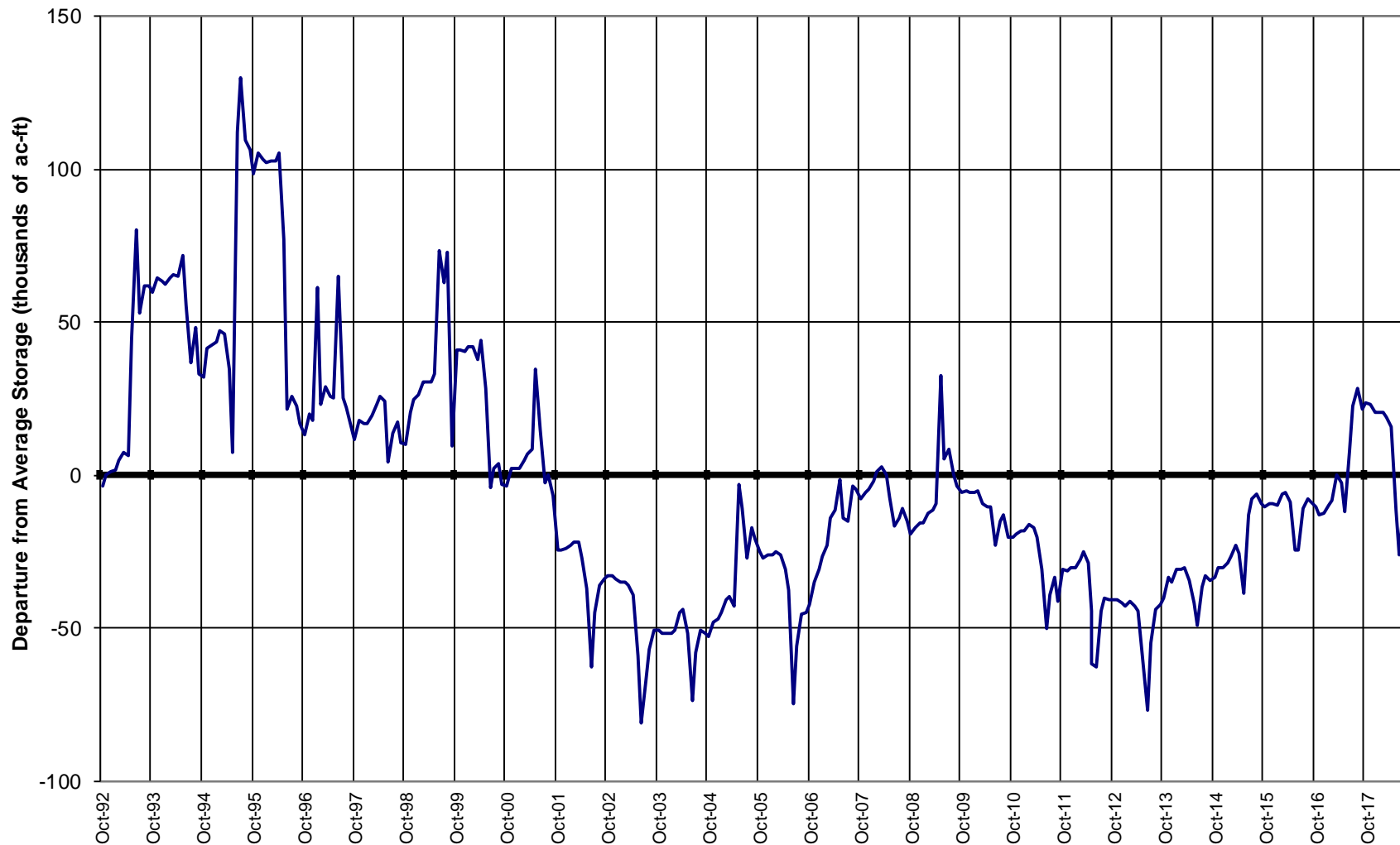
■ Percent Average

■ Percent Capacity



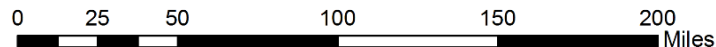
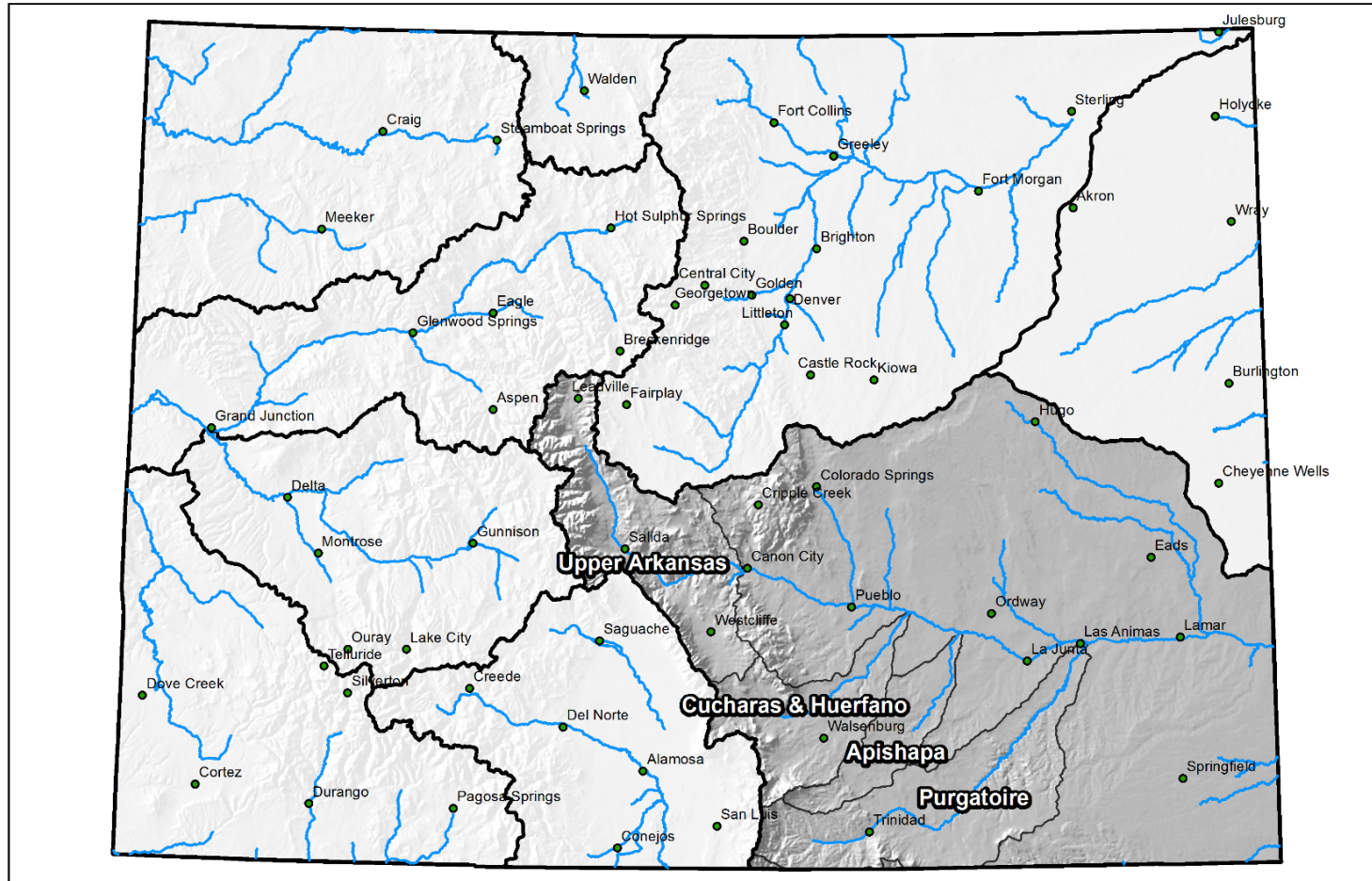


UPPER RIO GRANDE BASIN Reservoir Storage Departure from Average



Major Basin Summary

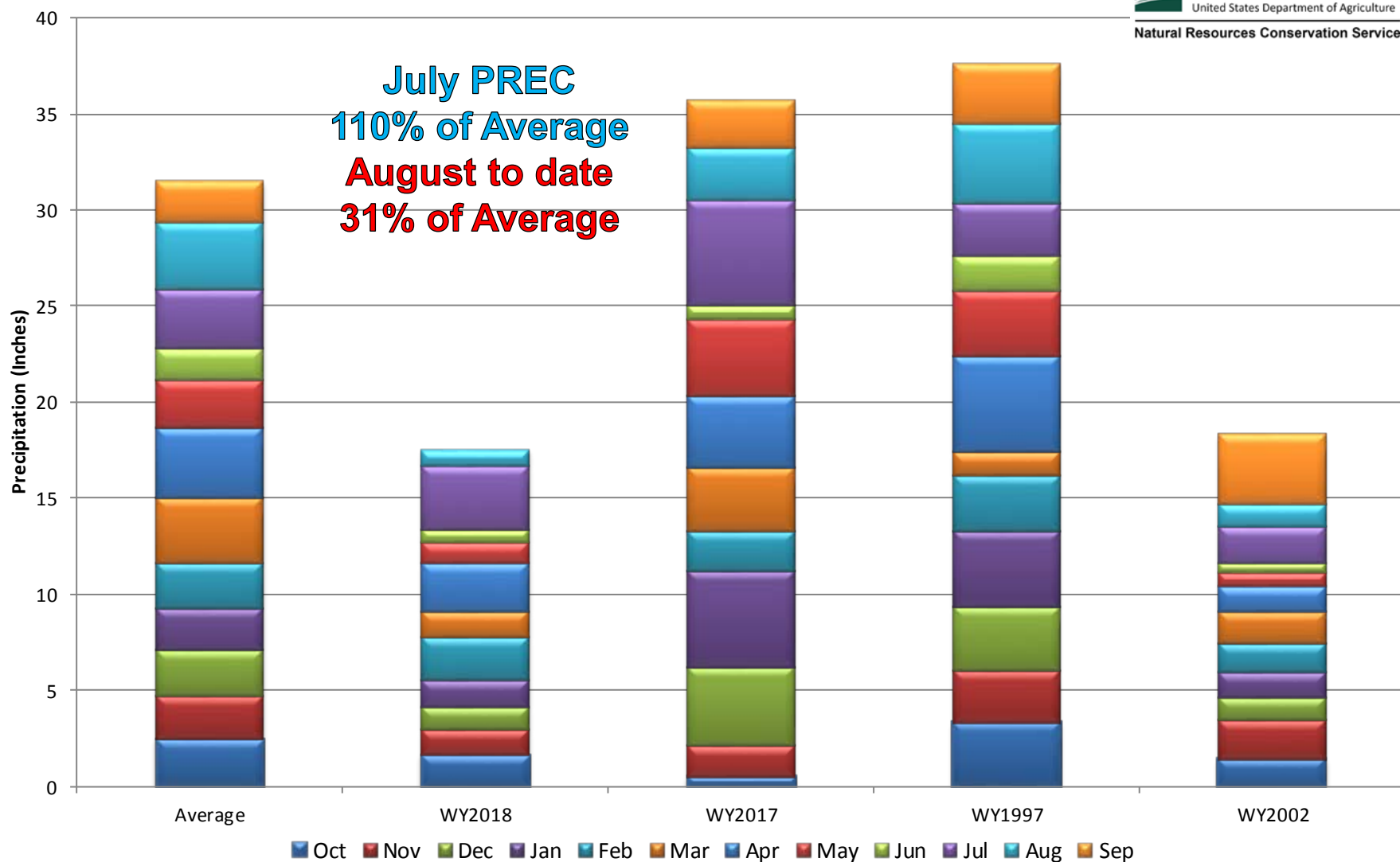
Arkansas River Basin





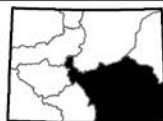
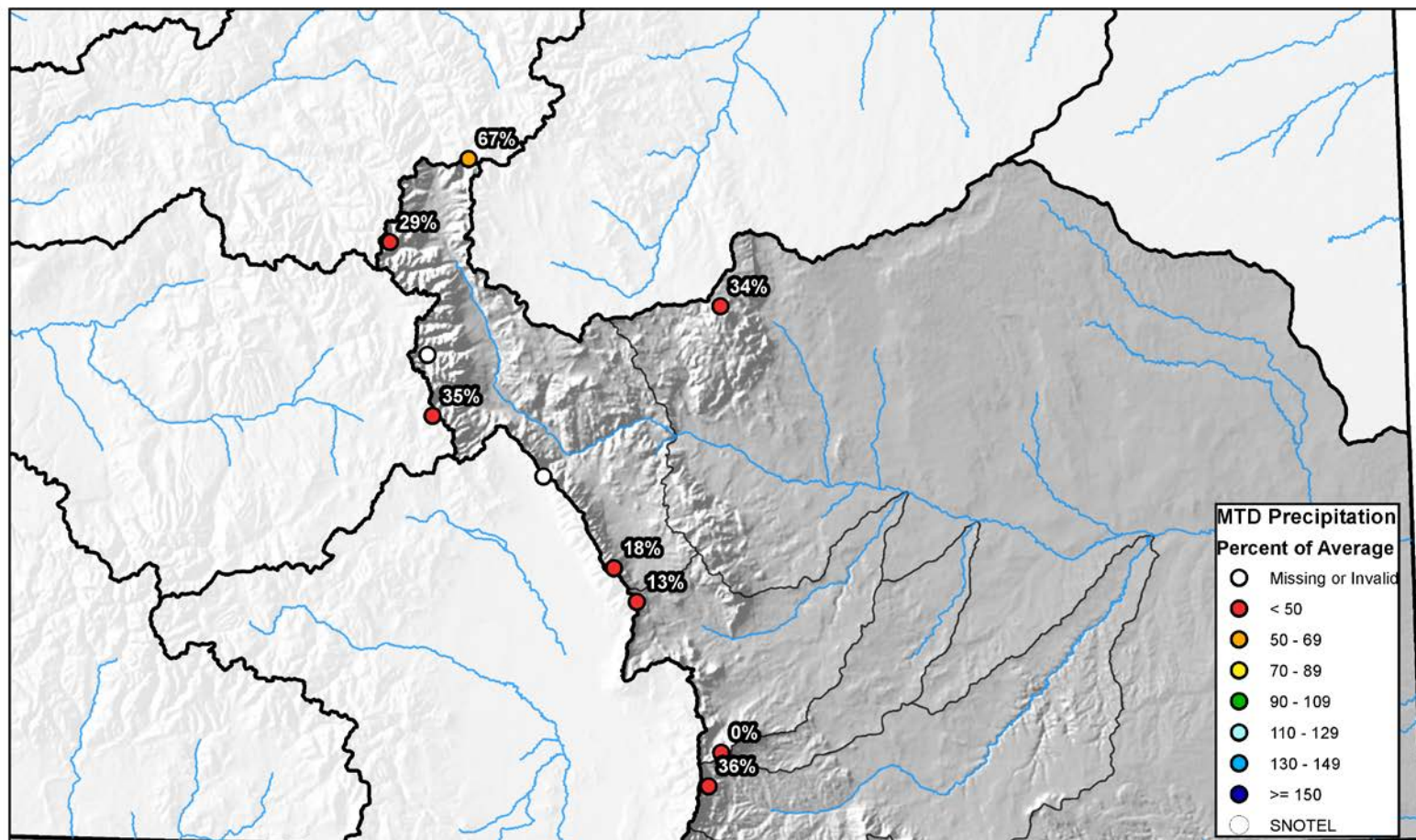
Arkansas River Basin High/Low Monthly Precipitation Summary

Based on Provisional SNOTEL data as of Aug 21, 2018



Arkansas River Basin Month to Date Precipitation Summary

Current as of Aug 21, 2018



0 10 20 40 60 80 Miles



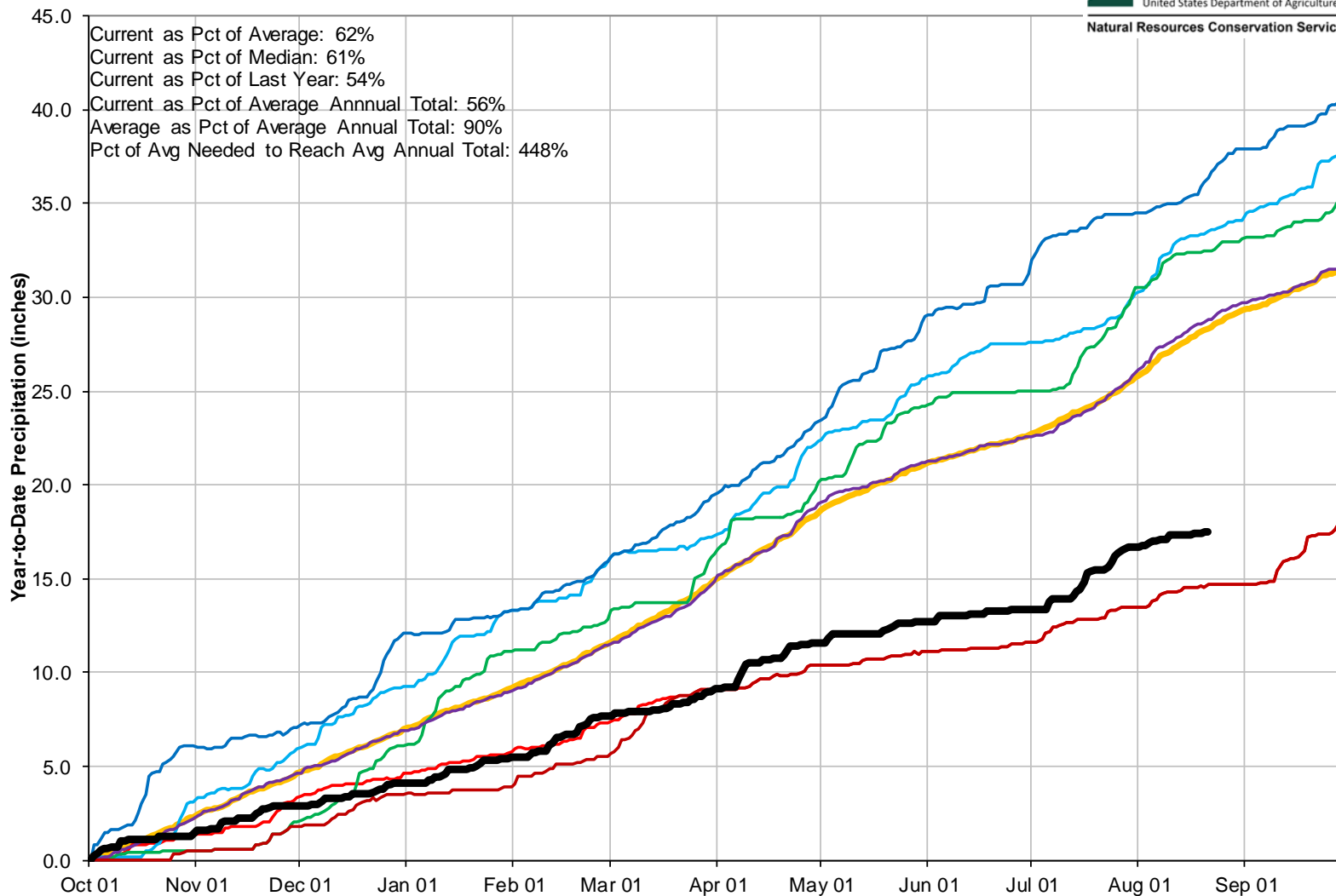
Arkansas River Basin High/Low Year-to-Date Precipitation Summary

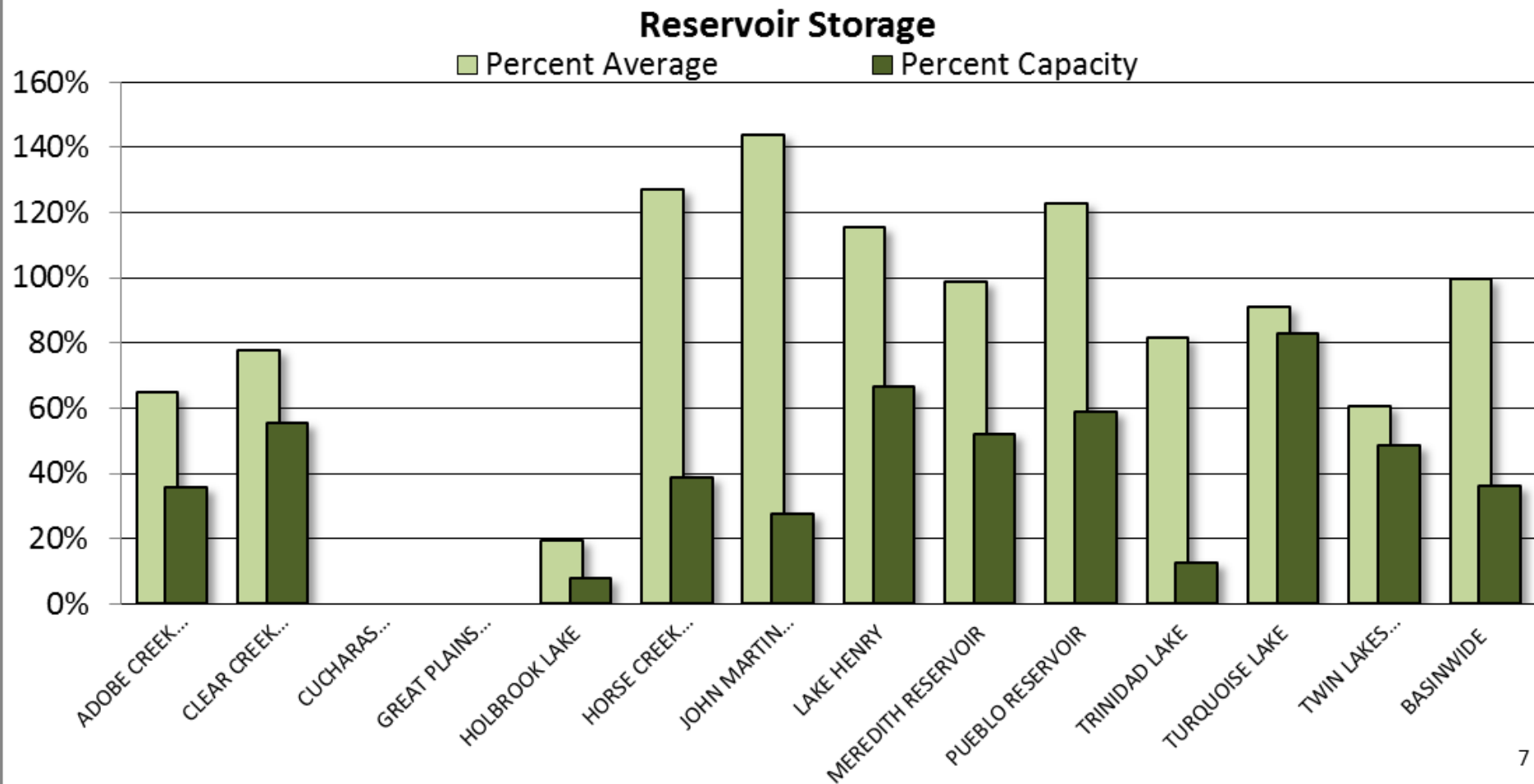
Based on Provisional SNOTEL data as of Aug 21, 2018



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Natural Resources Conservation Service





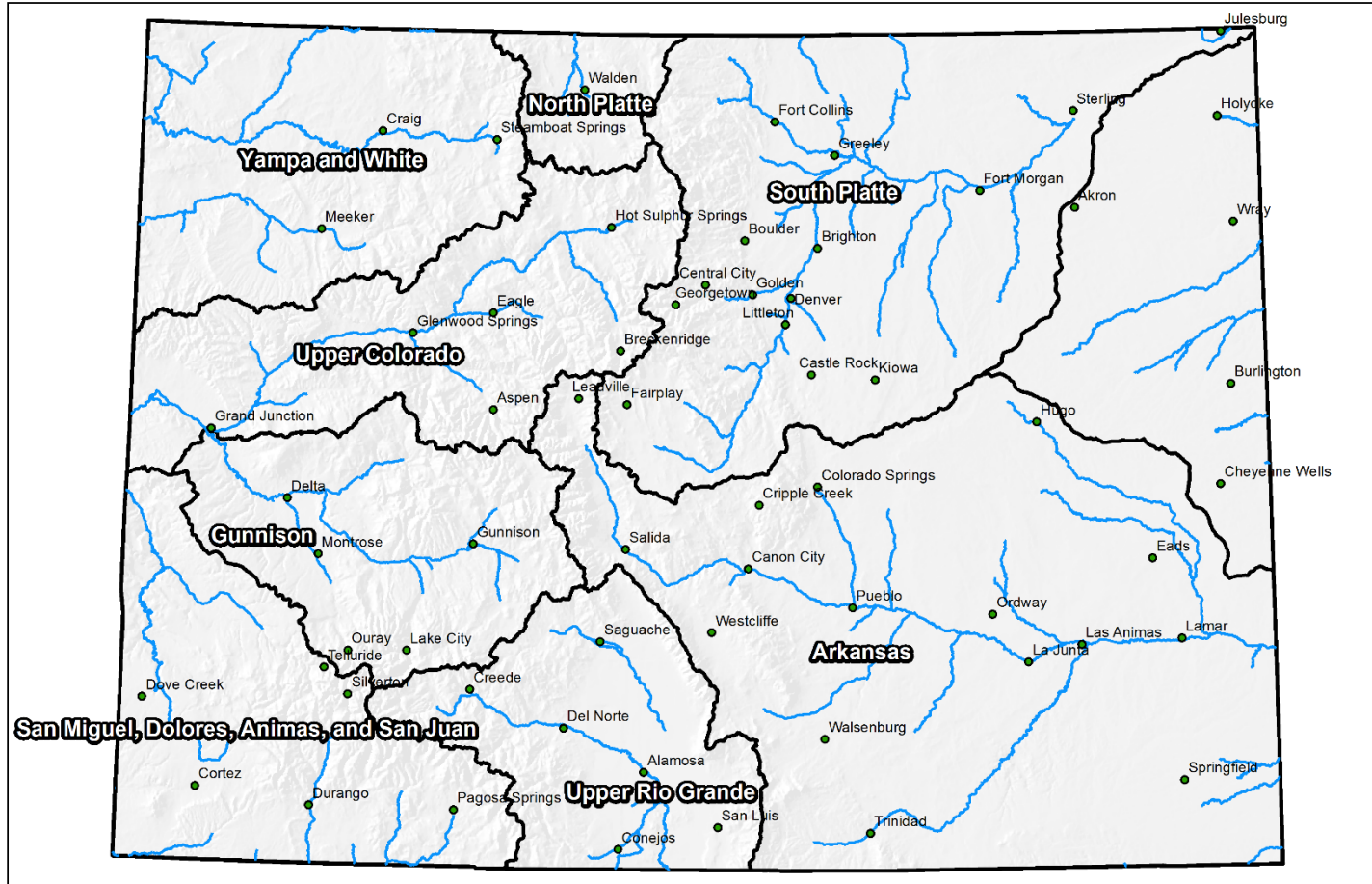


ARKANSAS RIVER BASIN Reservoir Storage Departure from Average

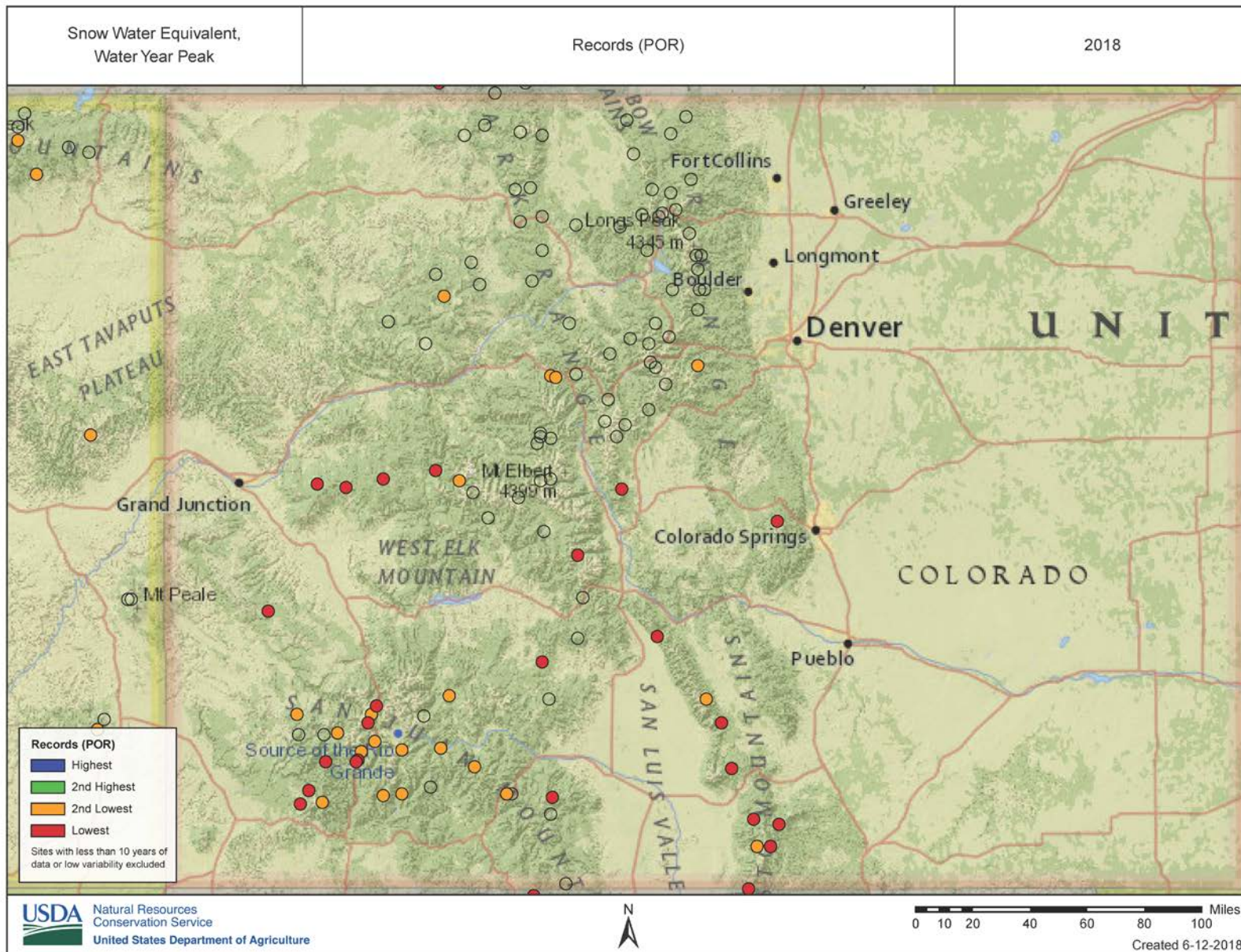


Colorado Statewide Summary

Colorado Major Basins



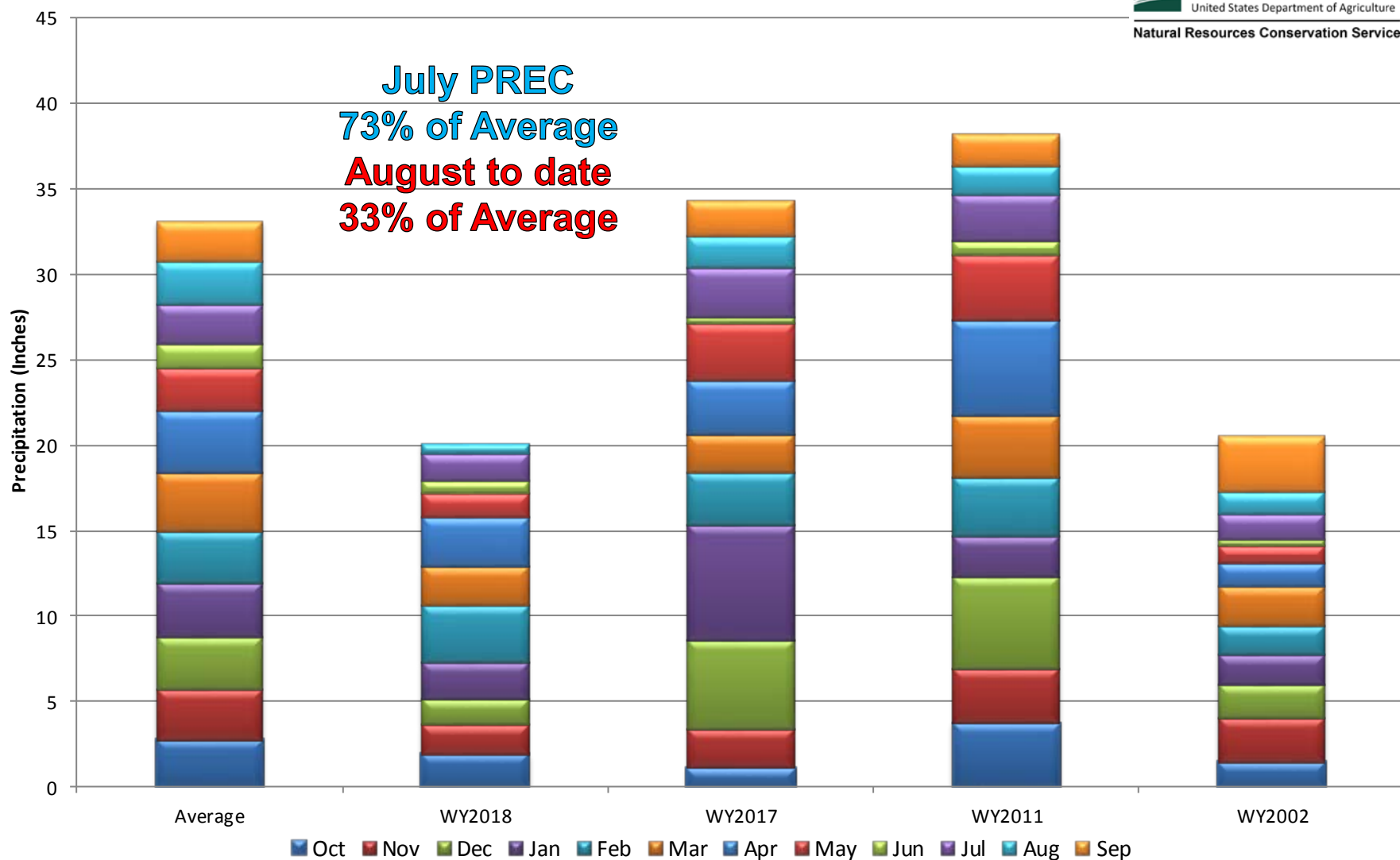
0 25 50 100 150 200 Miles





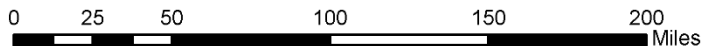
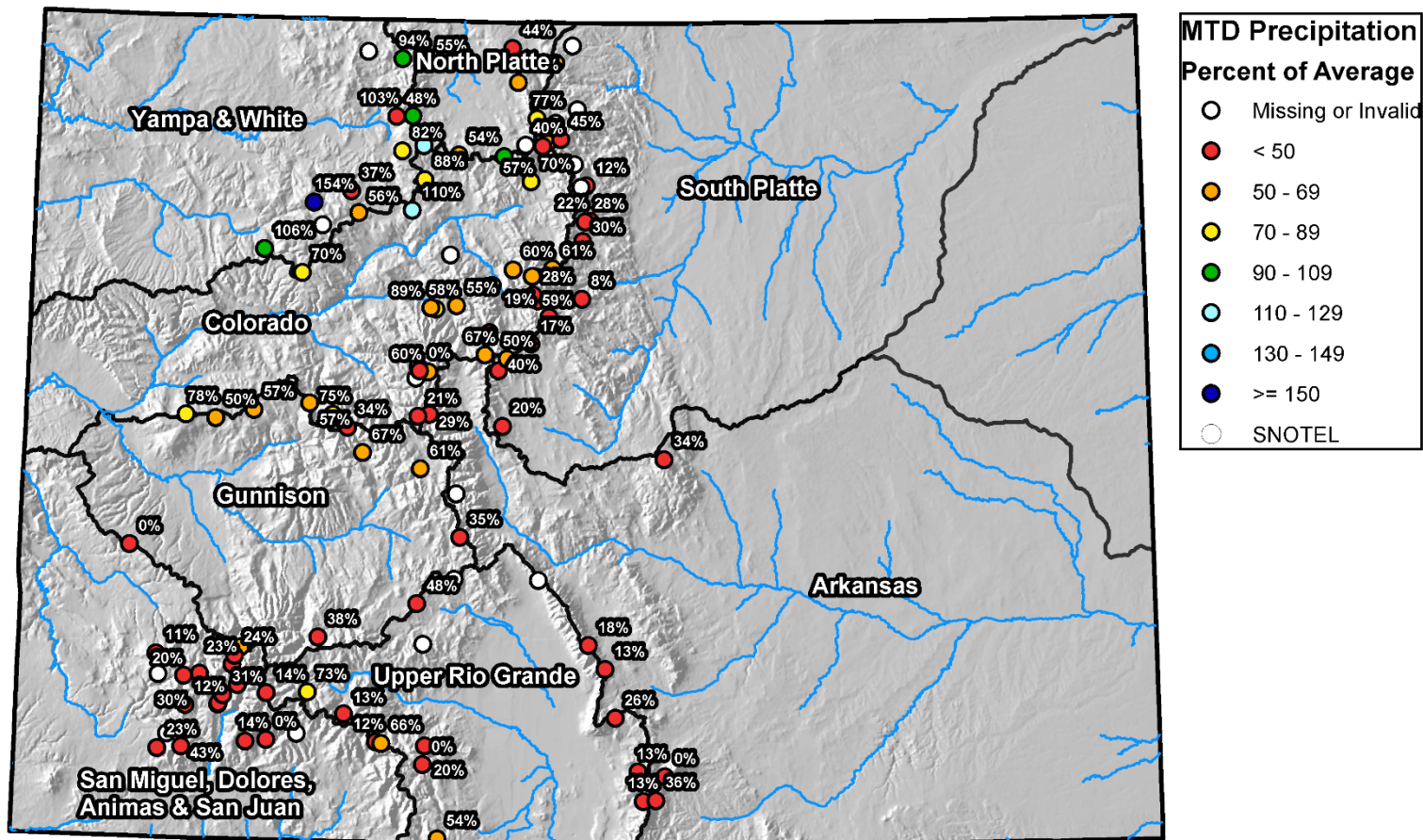
Colorado Statewide High/Low Monthly Precipitation Summary

Based on Provisional SNOTEL data as of Aug 21, 2018



Colorado SNOTEL Month-to-Date Precipitation

Current as of Aug 21, 2018





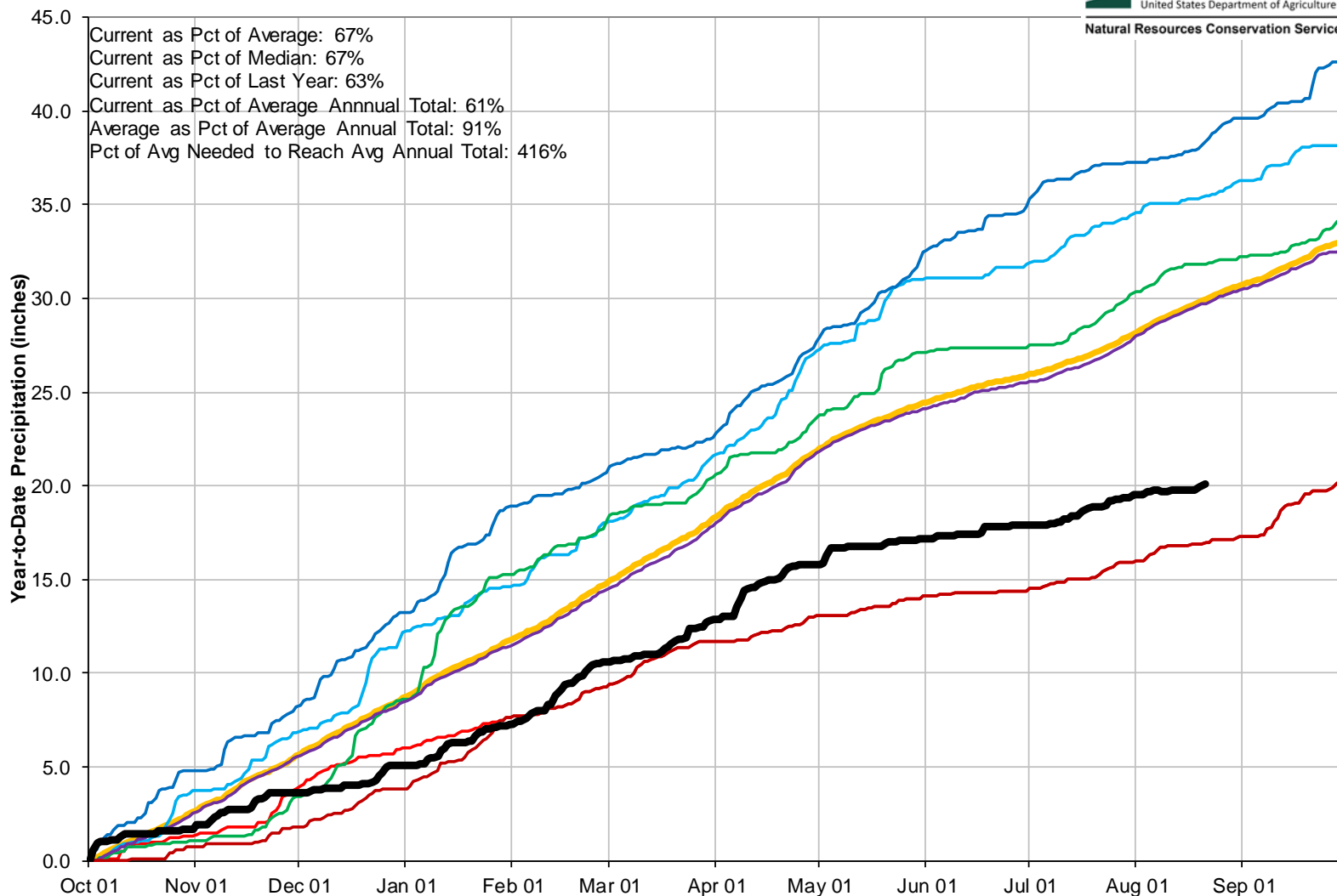
Colorado Statewide High/Low Year-to-Date Precipitation Summary

Based on Provisional SNOTEL data as of Aug 21, 2018



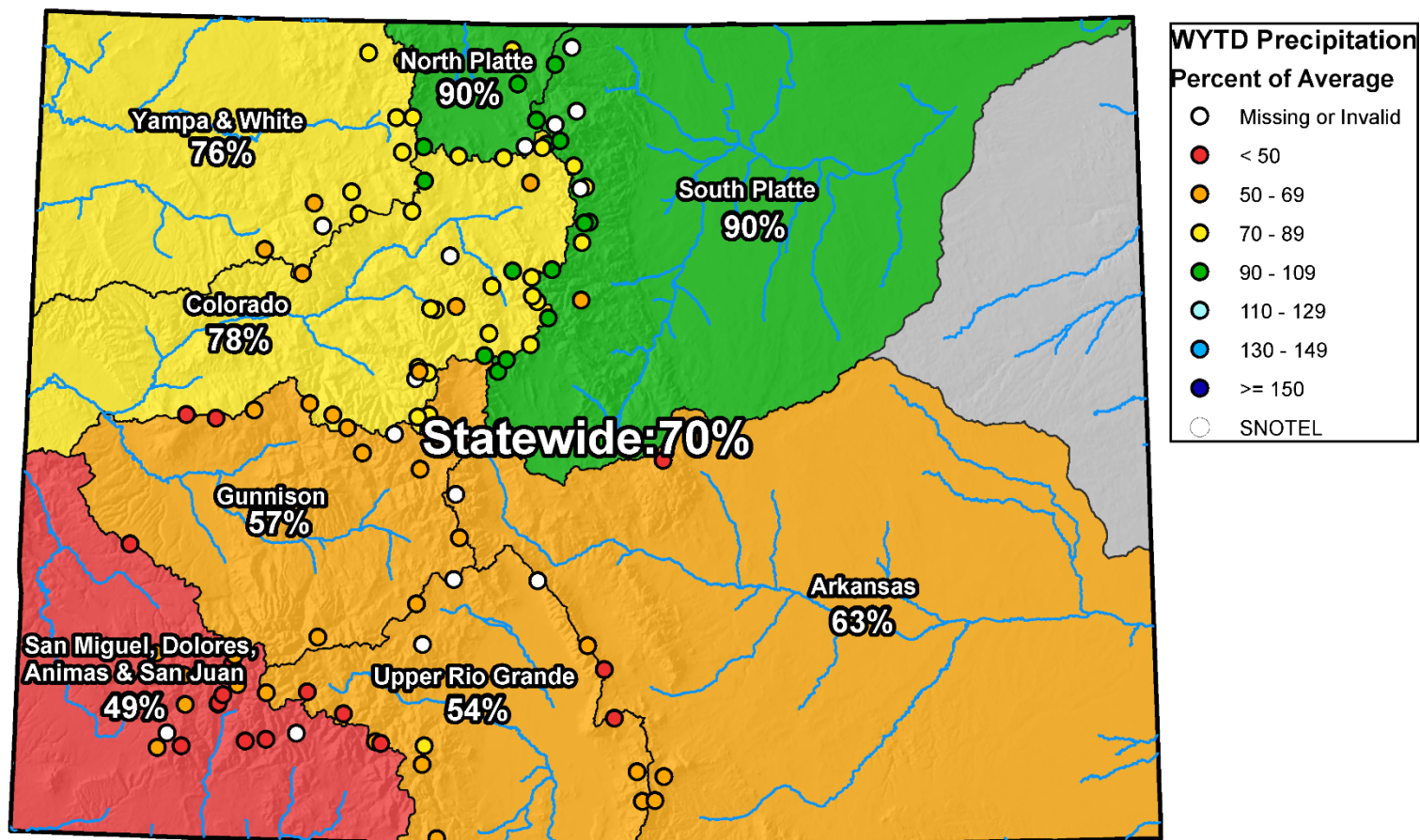
United States Department of Agriculture

Natural Resources Conservation Service



Colorado SNOTEL Water Year to Date Precipitation

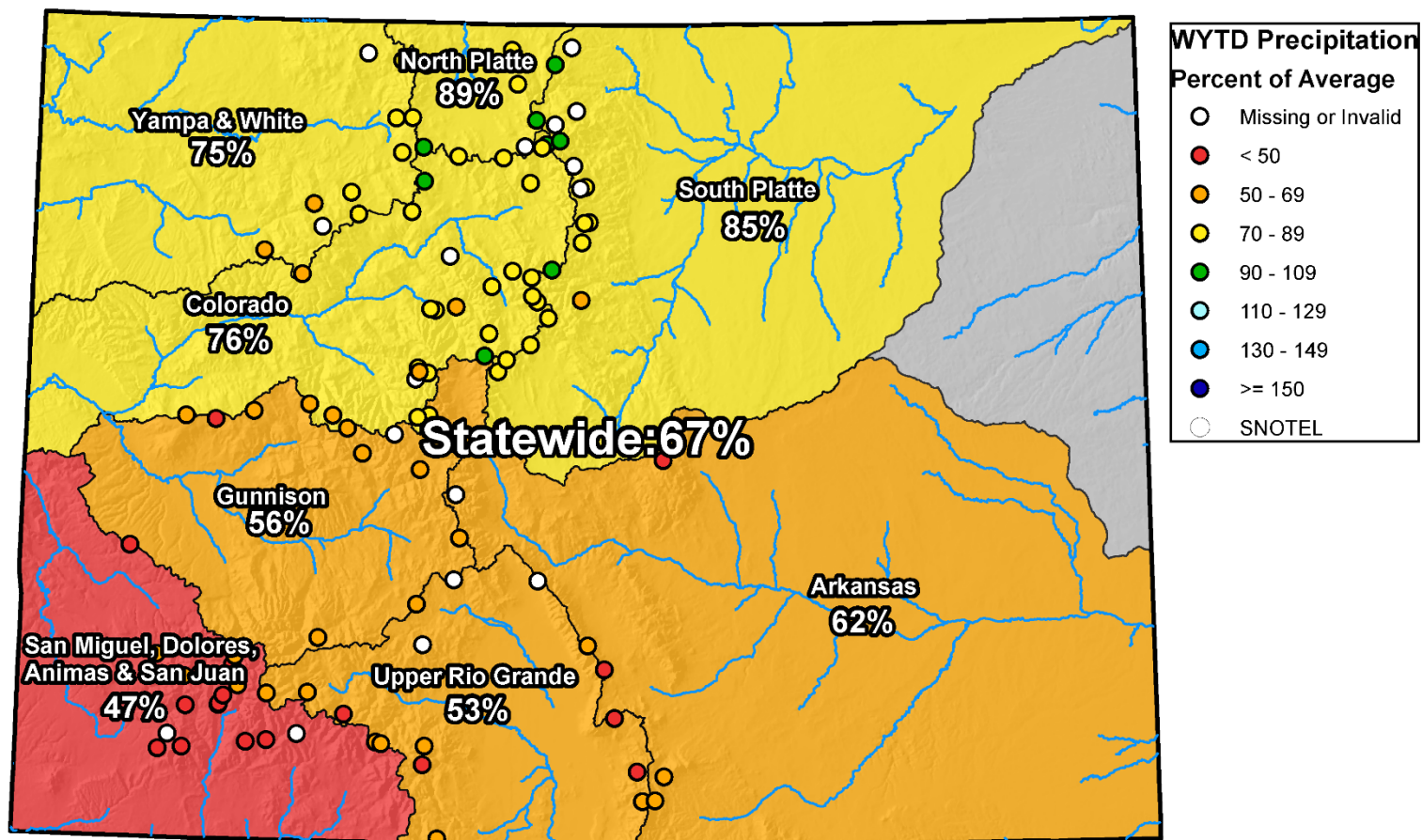
Current as of Jul 23, 2018



0 25 50 100 150 200 Miles

Colorado SNOTEL Water Year to Date Precipitation

Current as of Aug 21, 2018



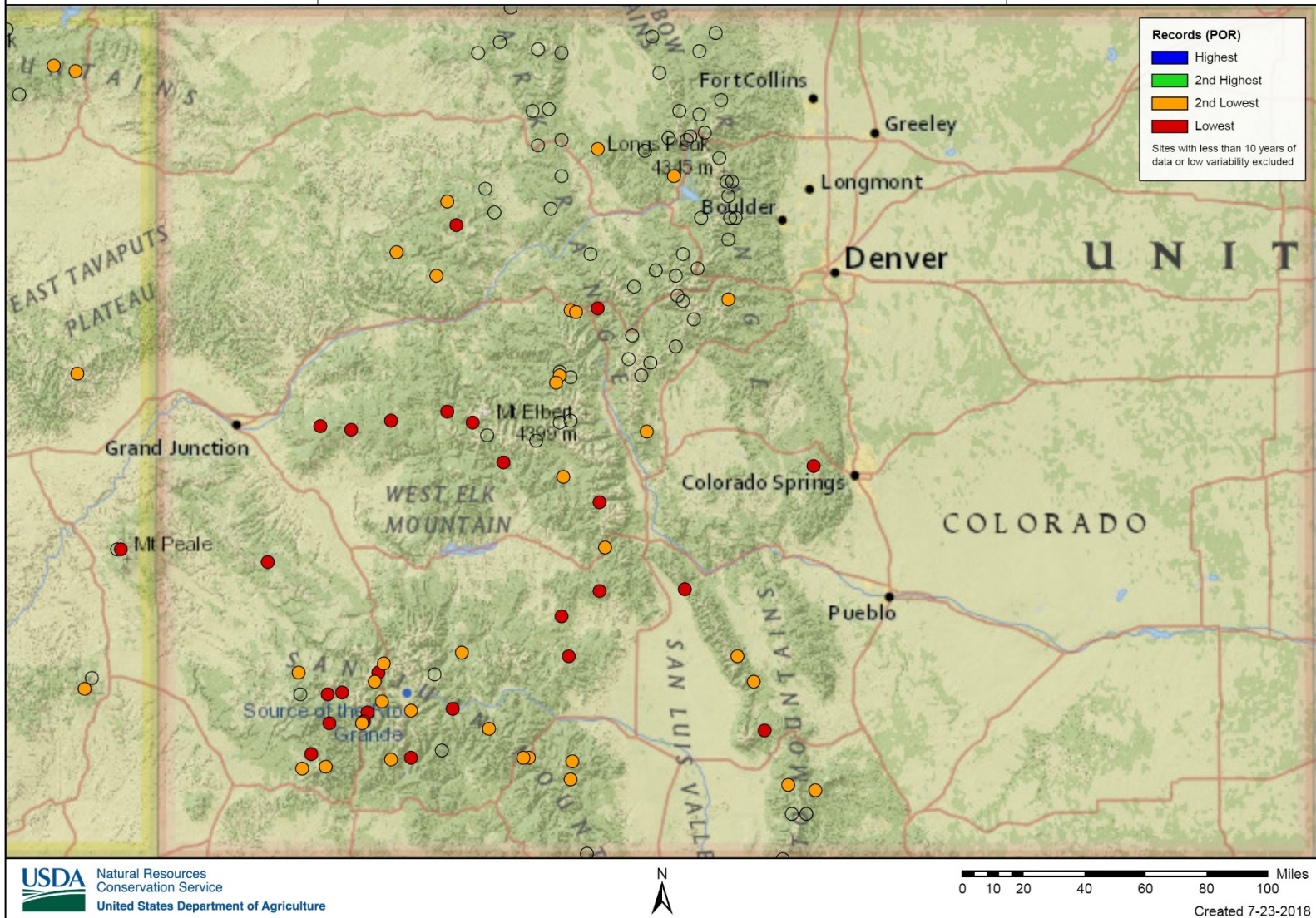
0 25 50 100 150 200 Miles

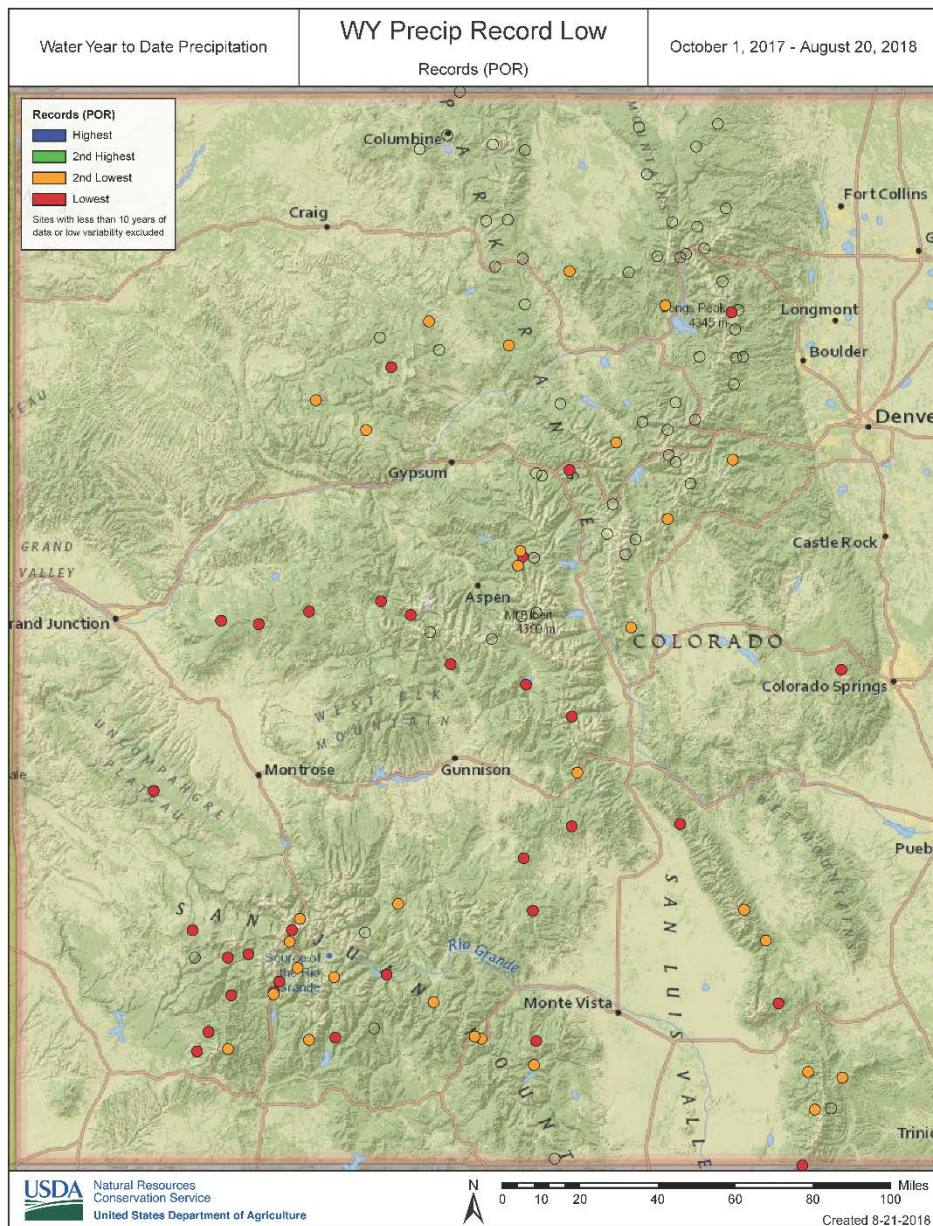
Colorado Snow Surveys

Water Year to Date Precipitation

Records (POR)

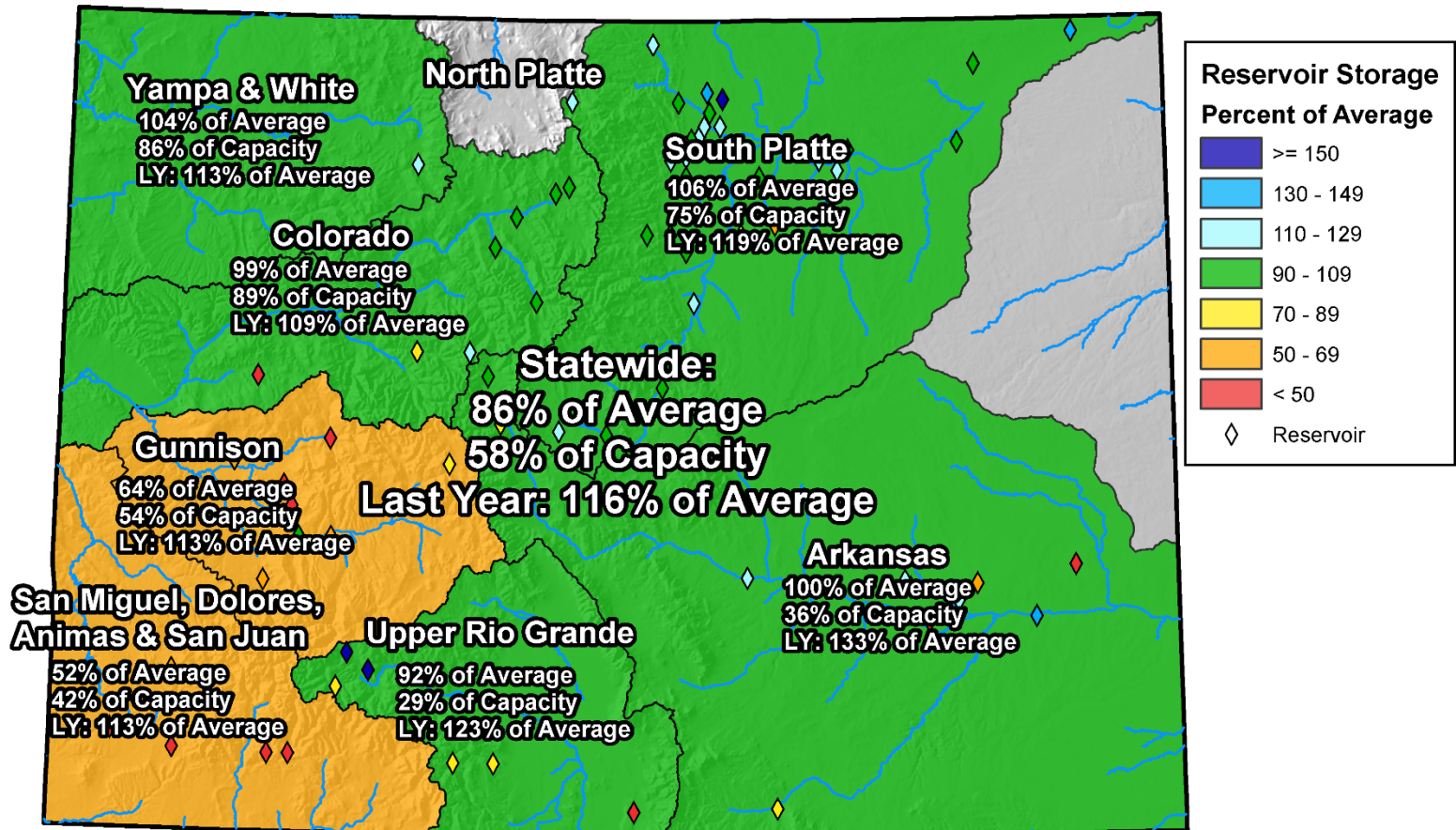
October 1, 2017 - July 22, 2018





Colorado Monthly Reservoir Storage Summary

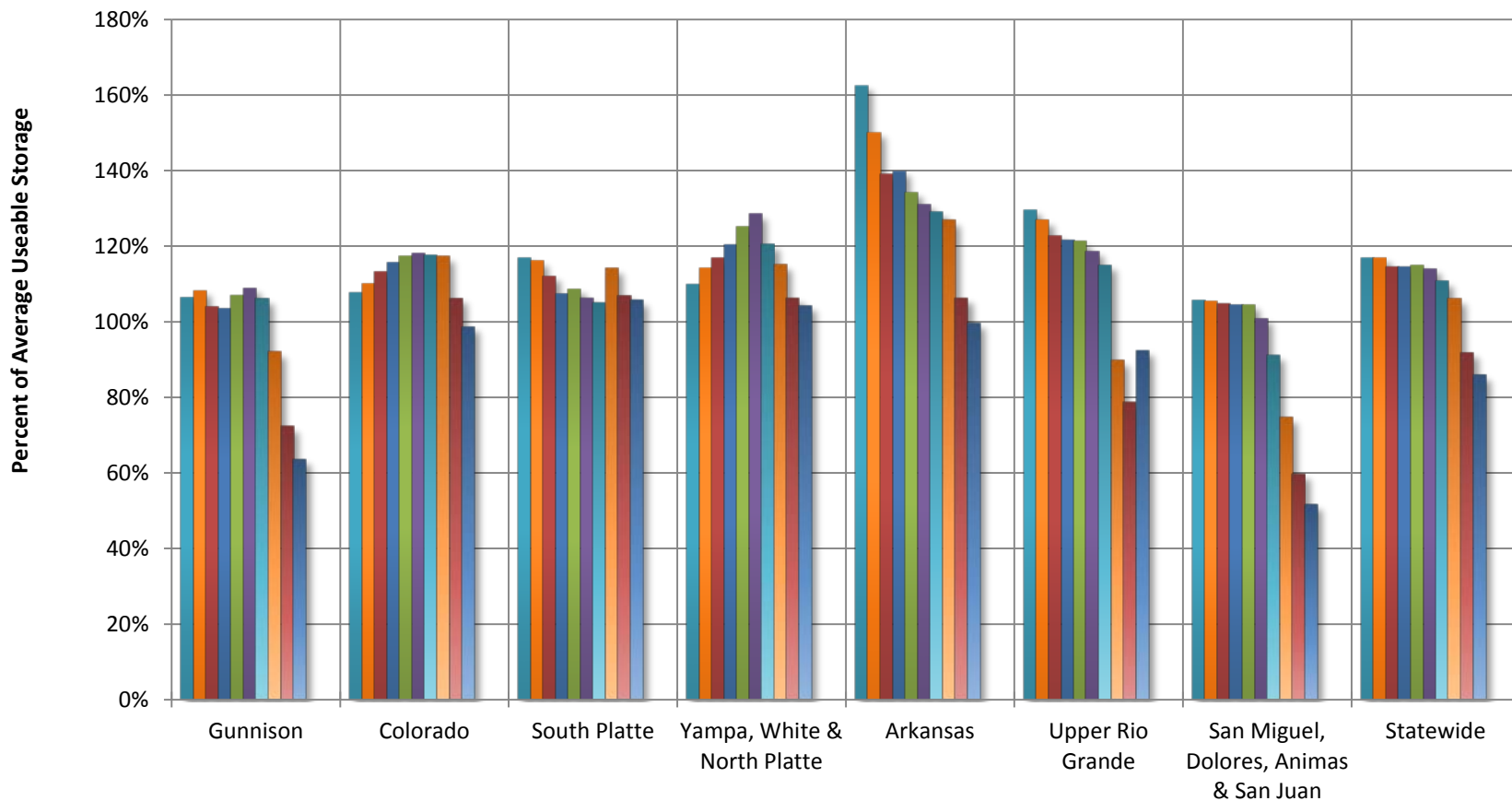
End of July 2018



0 25 50 100 150 200 Miles

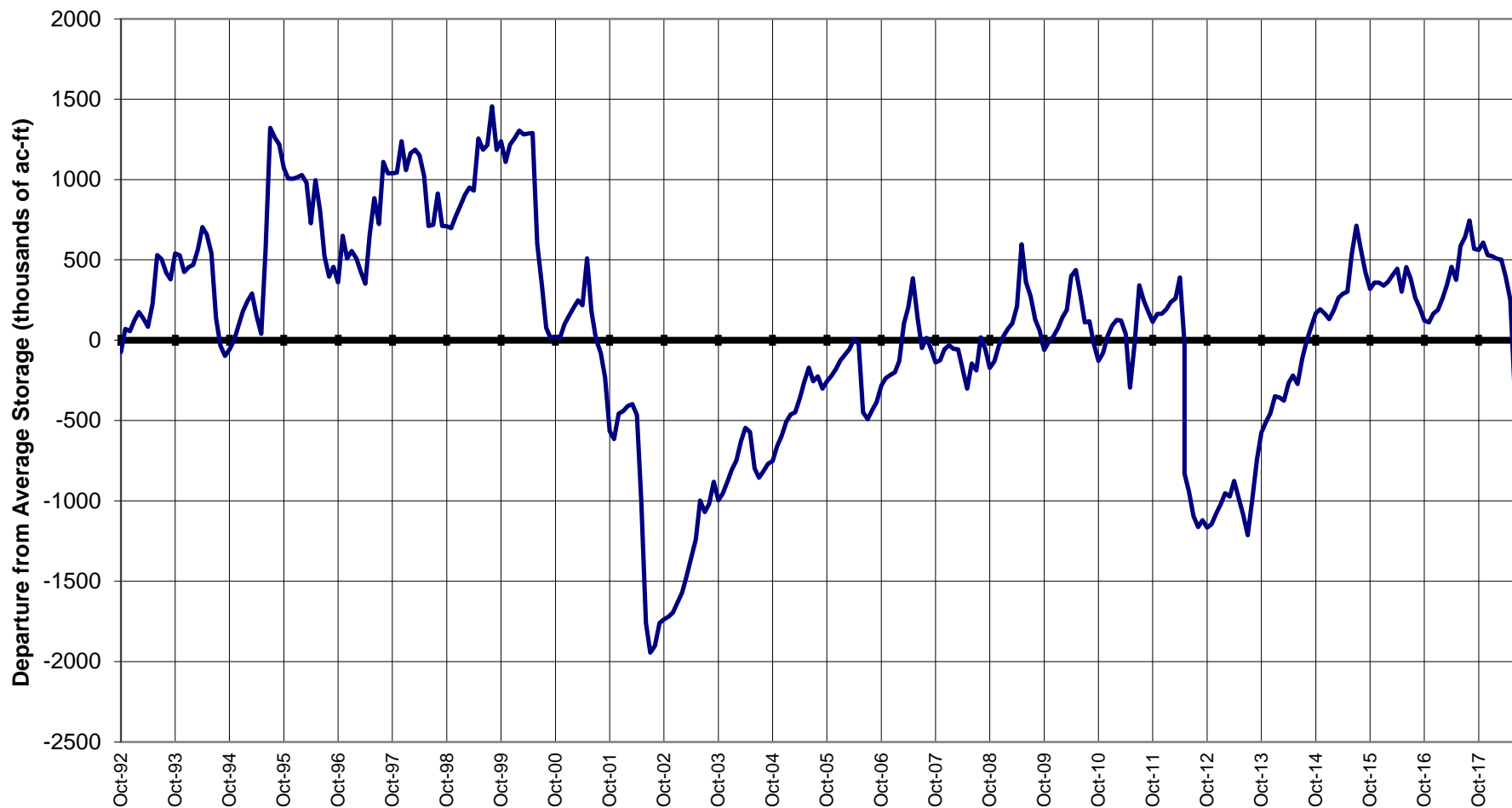
Colorado Reservoir Storage

Oct-17 Nov-17 Dec-17 Jan-18 Feb-18 Mar-18
 Apr-18 May-18 Jun-18 Jul-18 Aug-18 Sep-18

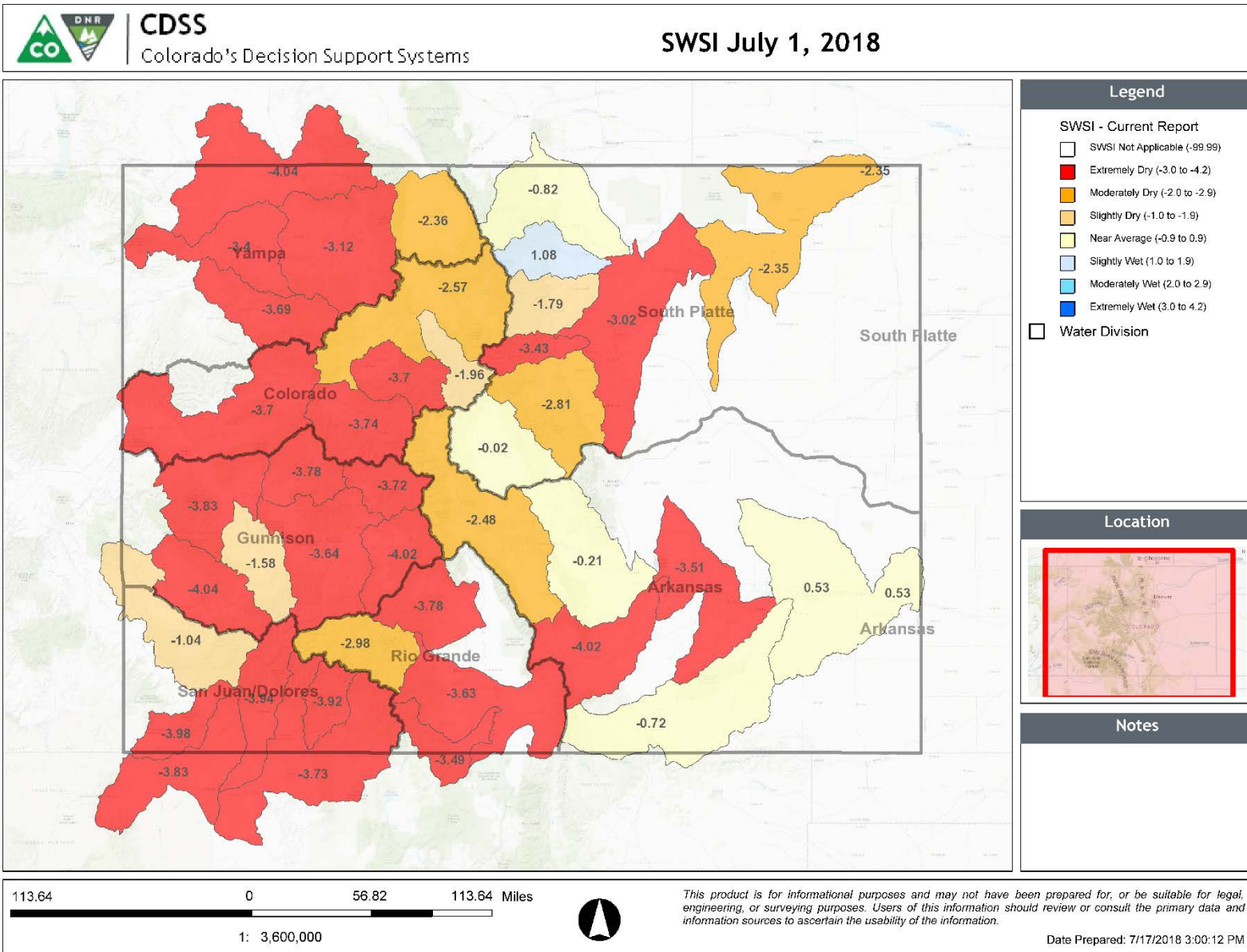




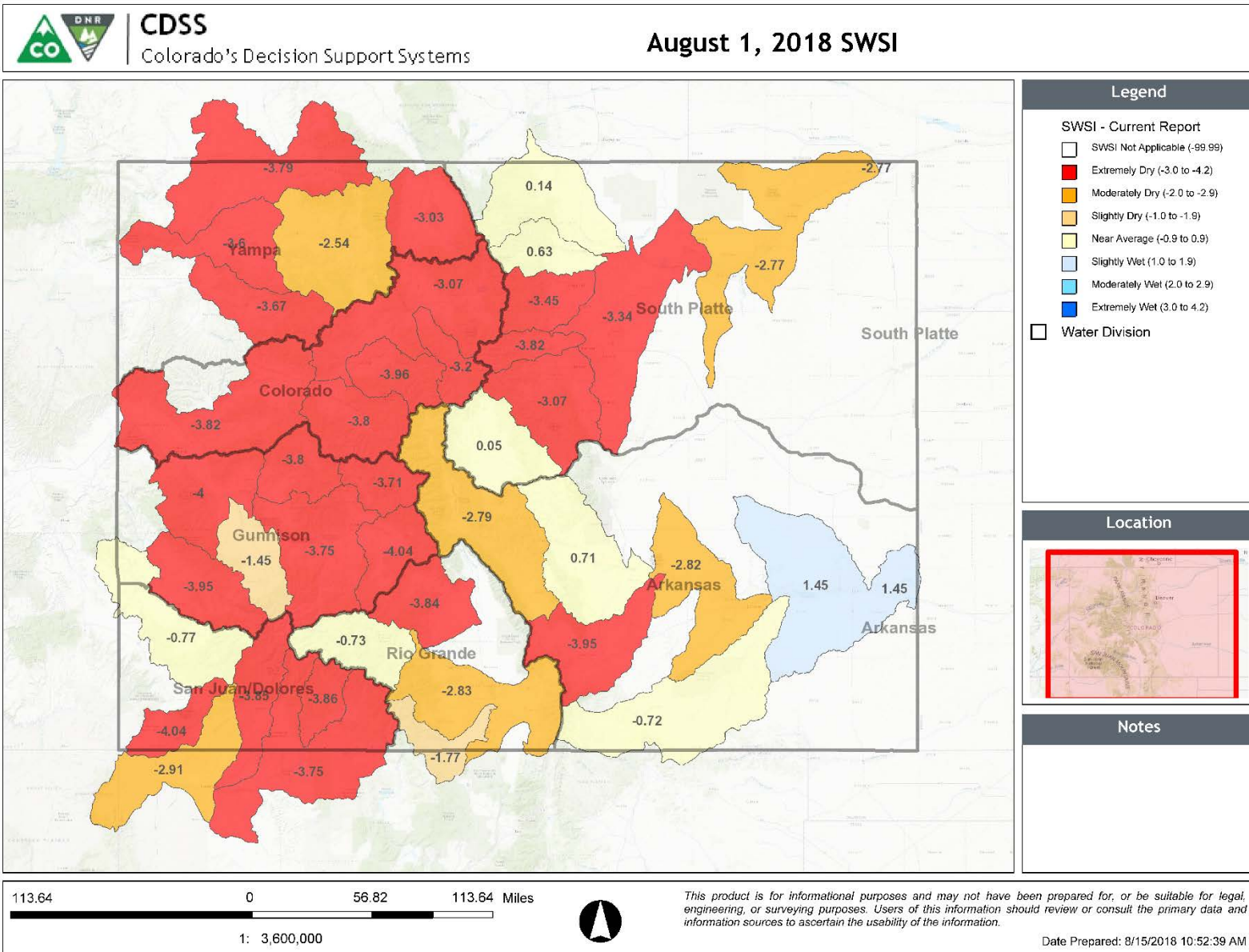
COLORADO STATEWIDE Reservoir Storage Departure from Average



July 1, 2018 SWSI



August 1, 2018 SWSI



Summary

- Statewide July precip-73% of normal, Aug so far-33% norm
- July precip
 - Best in the Arkansas at 110% normal
 - Worst in combined Yampa, White and N. Platte at 29% of normal
- August precip so far
 - Best in combined Yampa, White, and N. Platte at 64% of normal
 - Worst in combined Southwestern Basins at 23% of normal
- Since last WATF Meeting year to date precip fell 3%
- Most SNOTEL sites in southern Colorado are recording record low or near record low water year precipitation values
- Statewide reservoir storage progression at the end of:
 - Mar-114%, Apr-111%, May-106%, Jun-92%, Jul-86%



Water Availability Task Force Meeting

August 22nd, 2018

NRCS Snow Survey and Water Supply Forecasting Program

Brian Domonkos
Hydrologist
Snow Survey Supervisor
720-544-2852

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



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