



United States Department of Agriculture

Colorado Snow Surveys

Water Availability Task Force Meeting

September 16th, 2016

NRCS Snow Survey and Water Supply Forecasting Program

Karl Wetlaufer

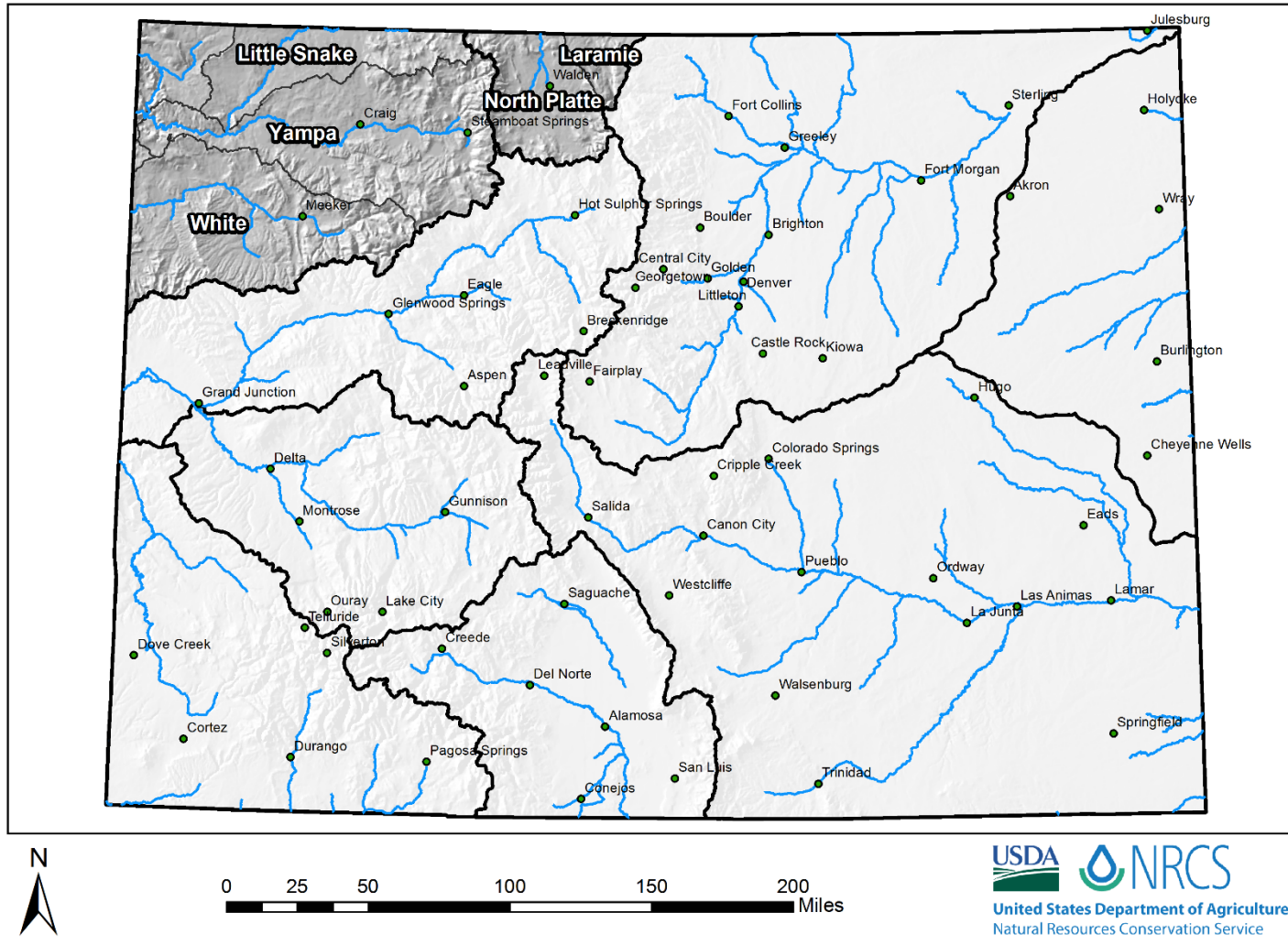
Hydrologist

720-544-2852

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

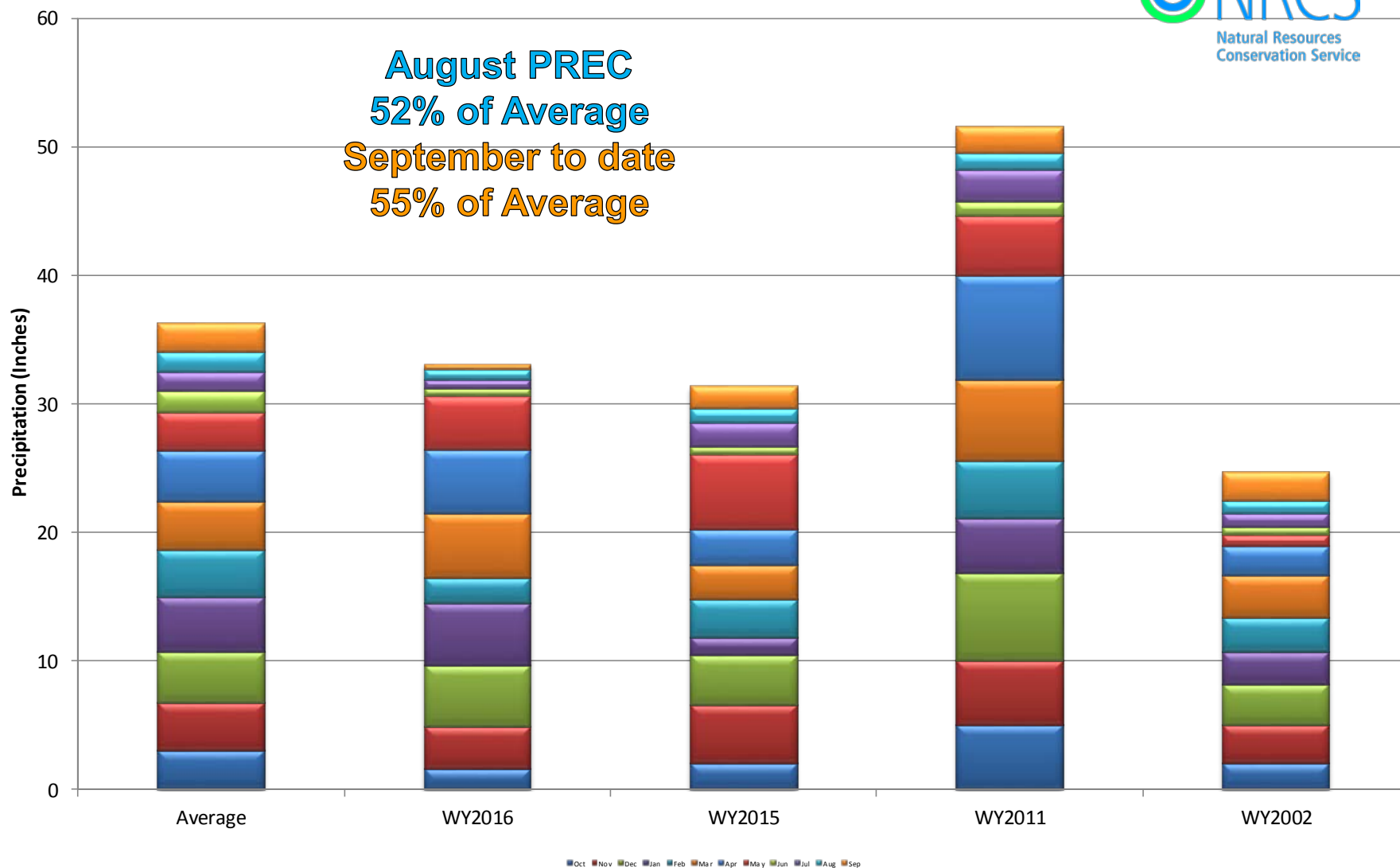
Major Basin Summary

Yampa, White, and North Platte River Basins

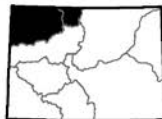
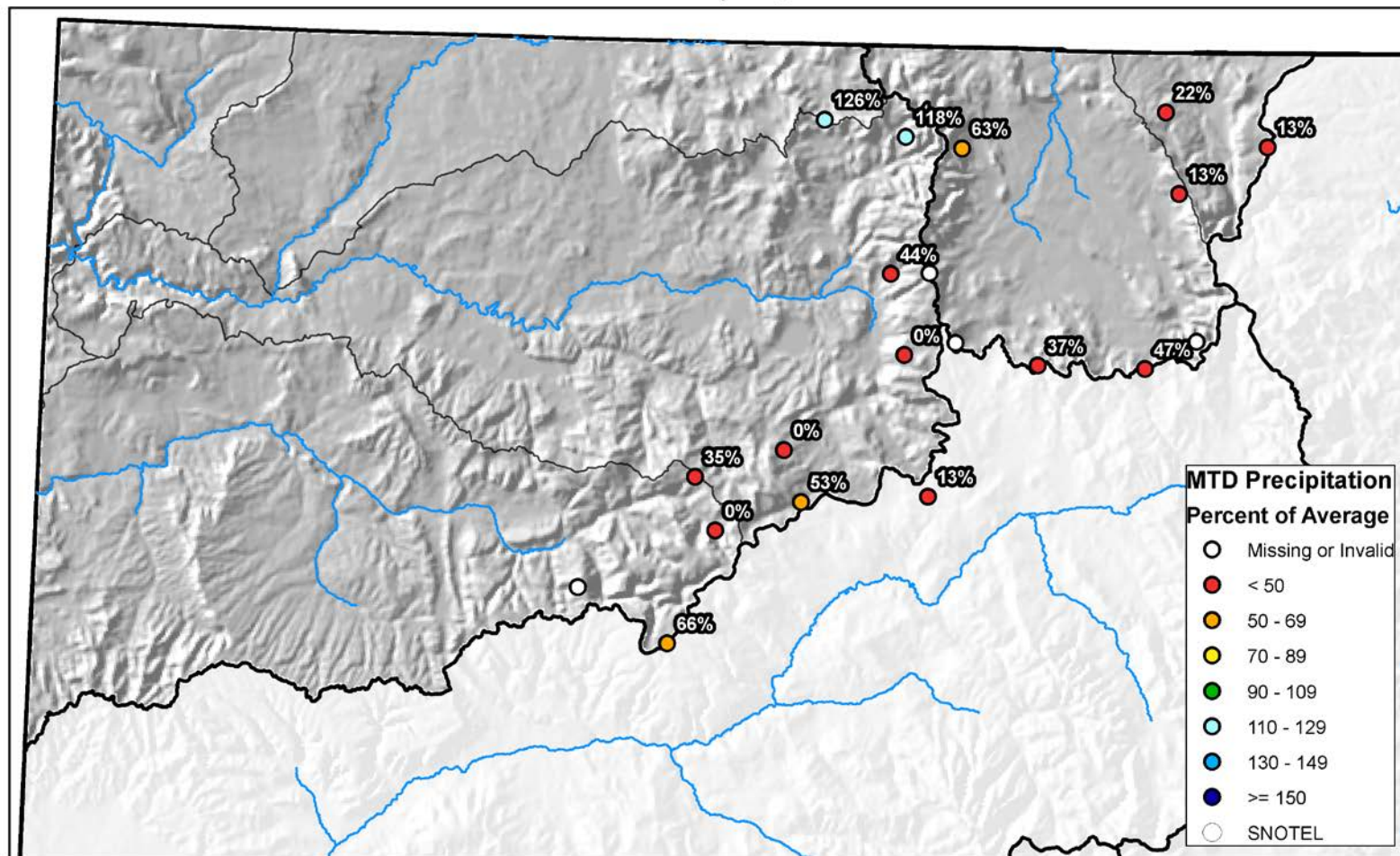


Yampa & White River Basins High/Low Monthly Precipitation Summary

Based on Provisional SNOTEL data as of Sep 15, 2016

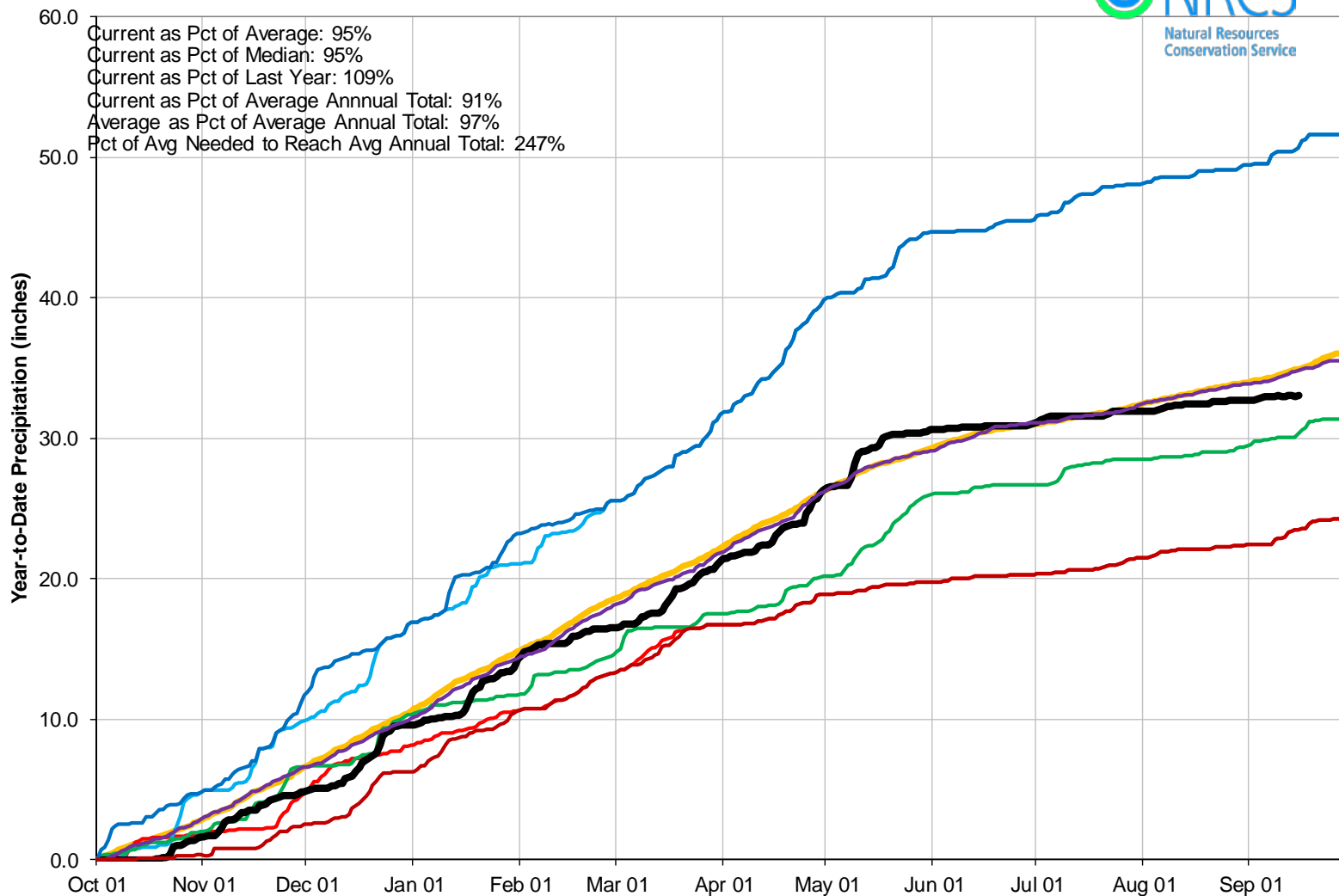


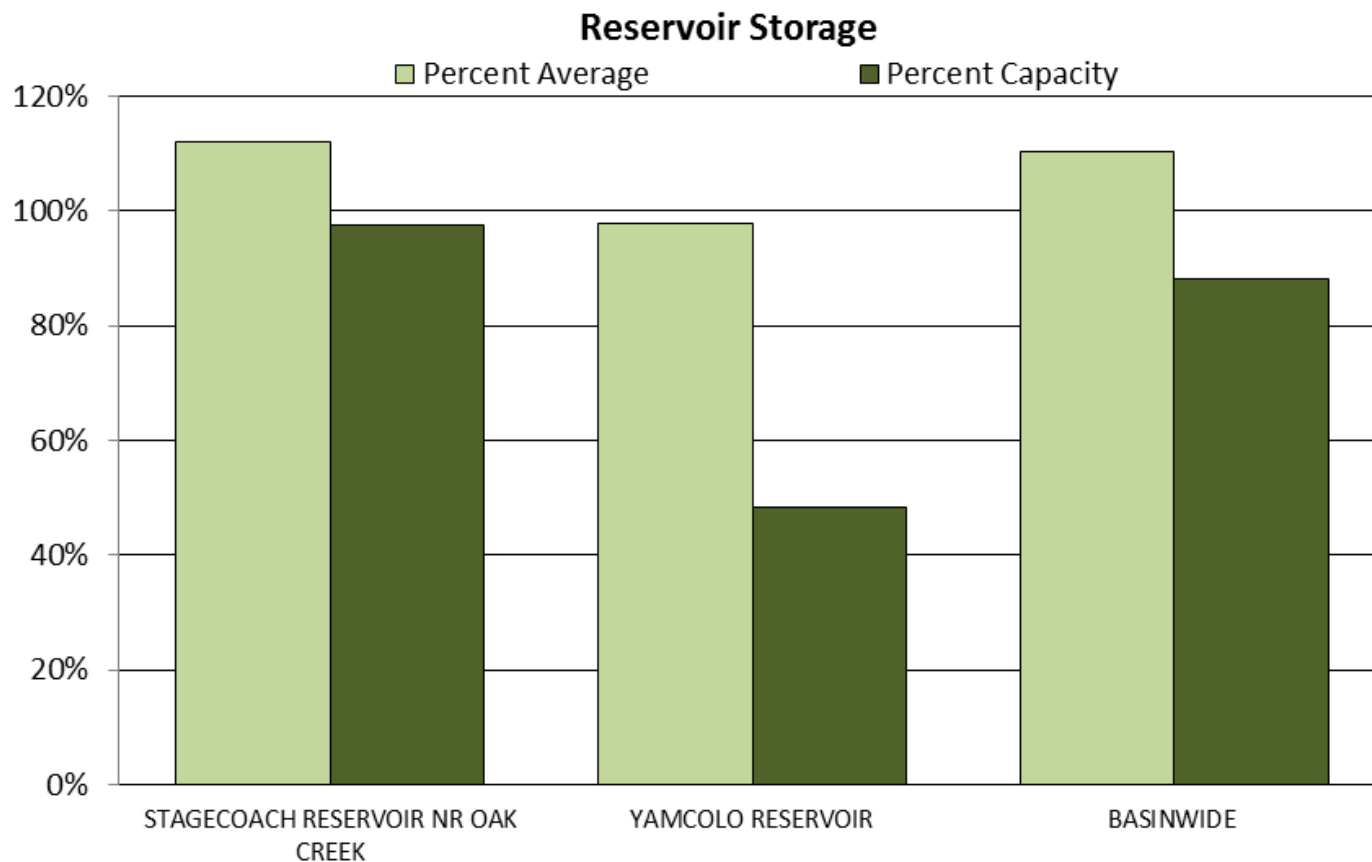
Yampa, White, and North Platte River Basins Month to Date Precipitation Summary Current as of Sep 15, 2016



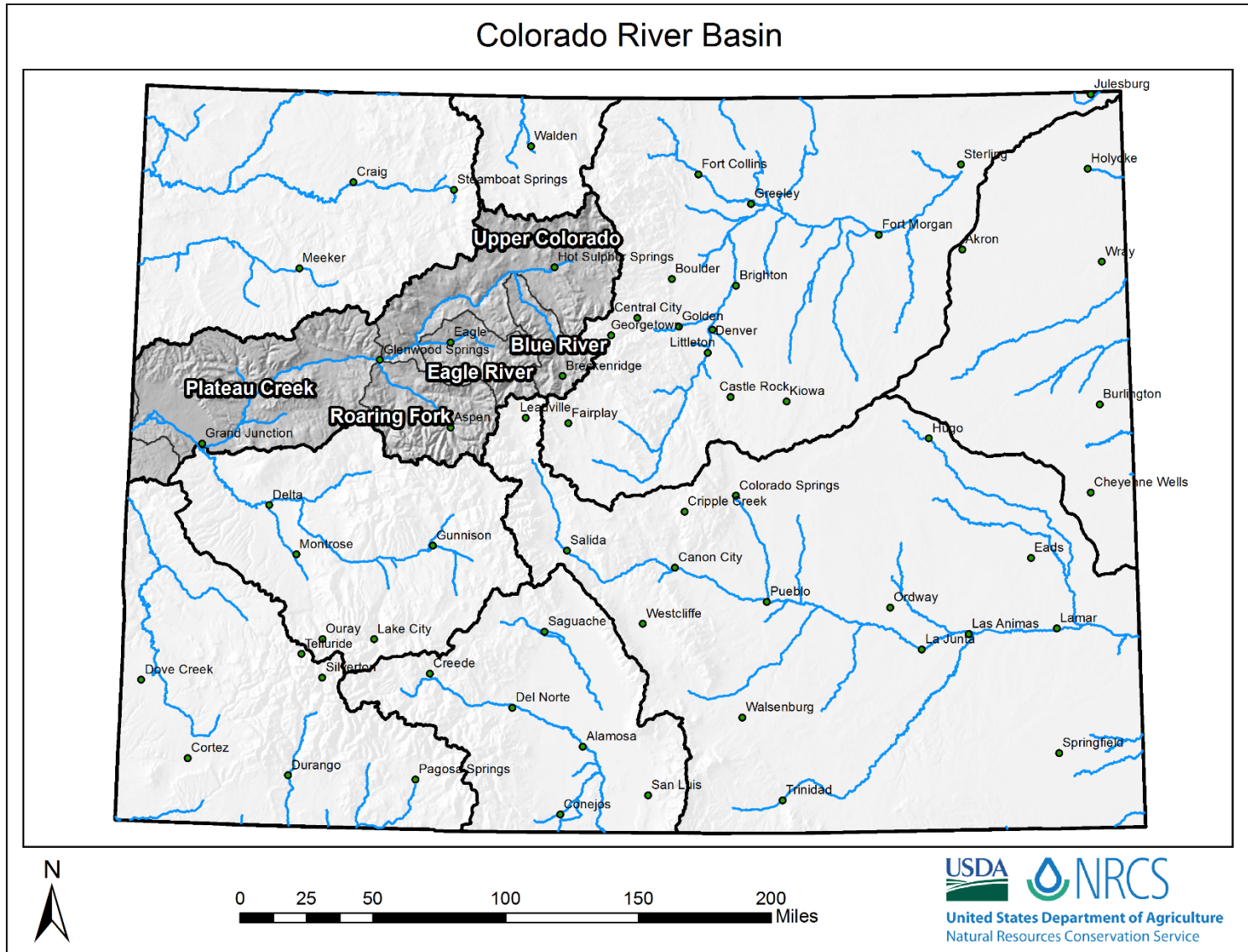
Yampa & White River Basins High/Low Year-to-Date Precipitation Summary

Based on Provisional SNOTEL data as of Sep 15, 2016



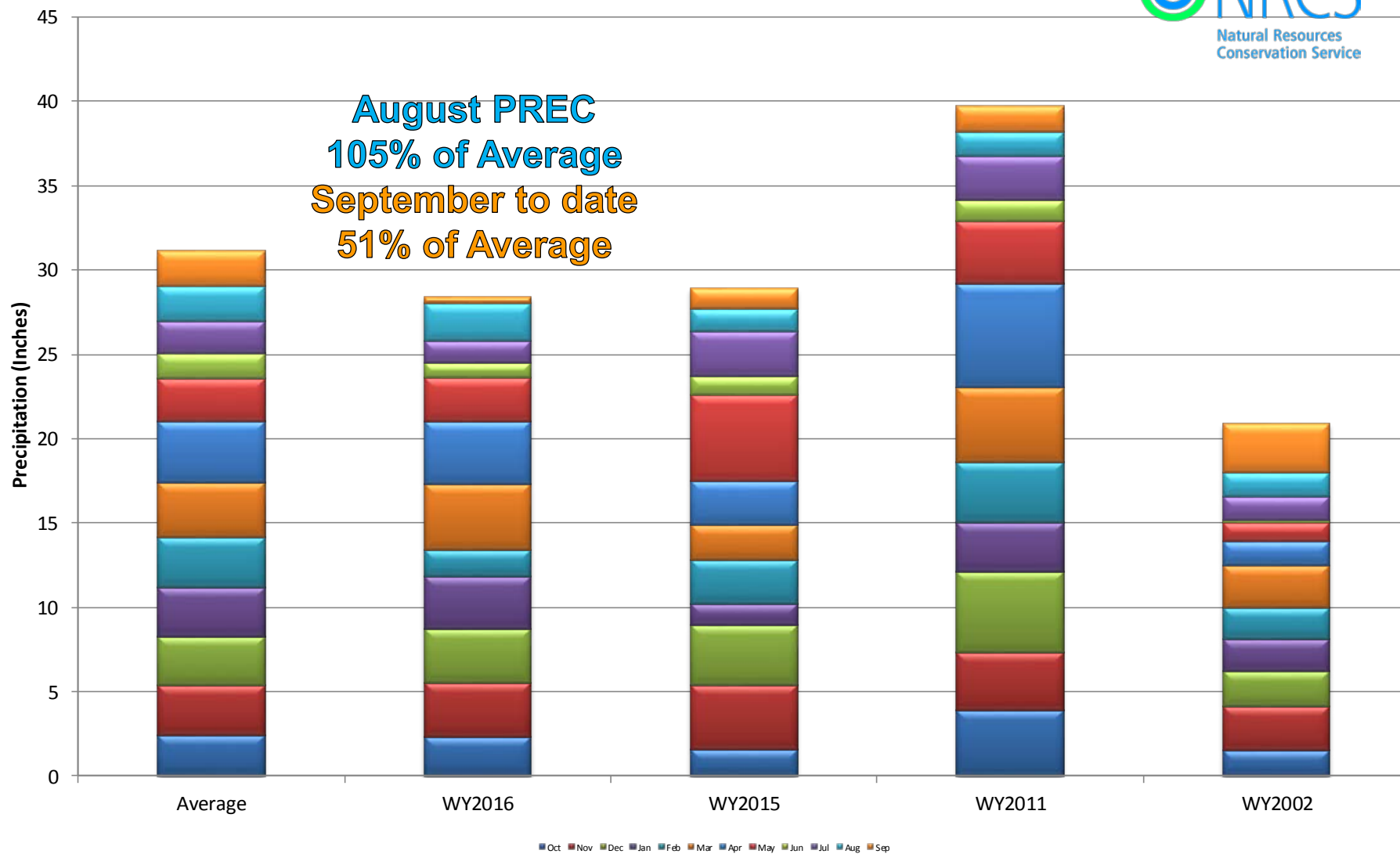


Major Basin Summary



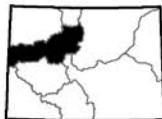
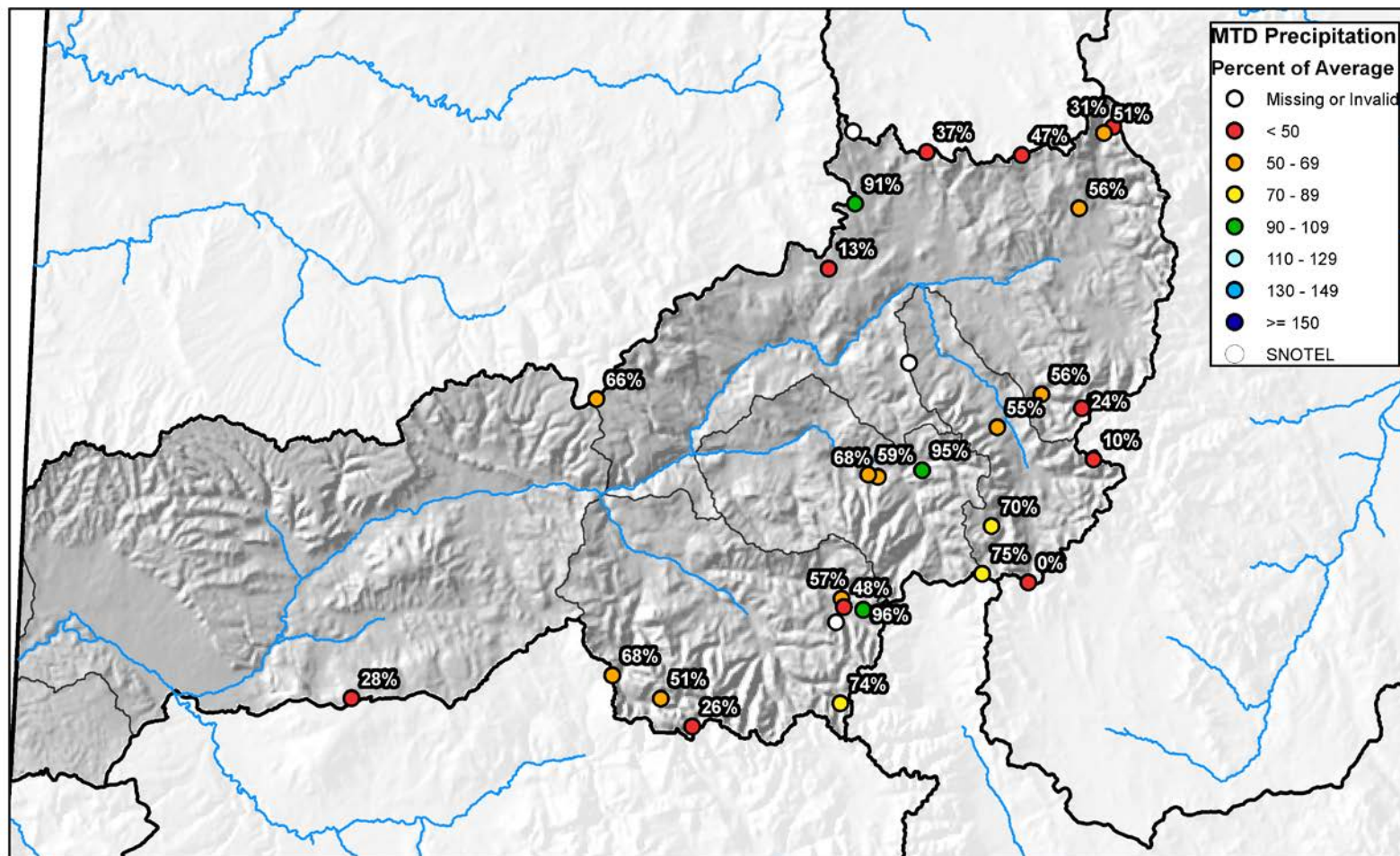
Upper Colorado River Basin High/Low Monthly Precipitation Summary

Based on Provisional SNOTEL data as of Sep 15, 2016



Upper Colorado River Basin Month to Date Precipitation Summary

Current as of Sep 15, 2016



0 10 20 40 60 80 Miles



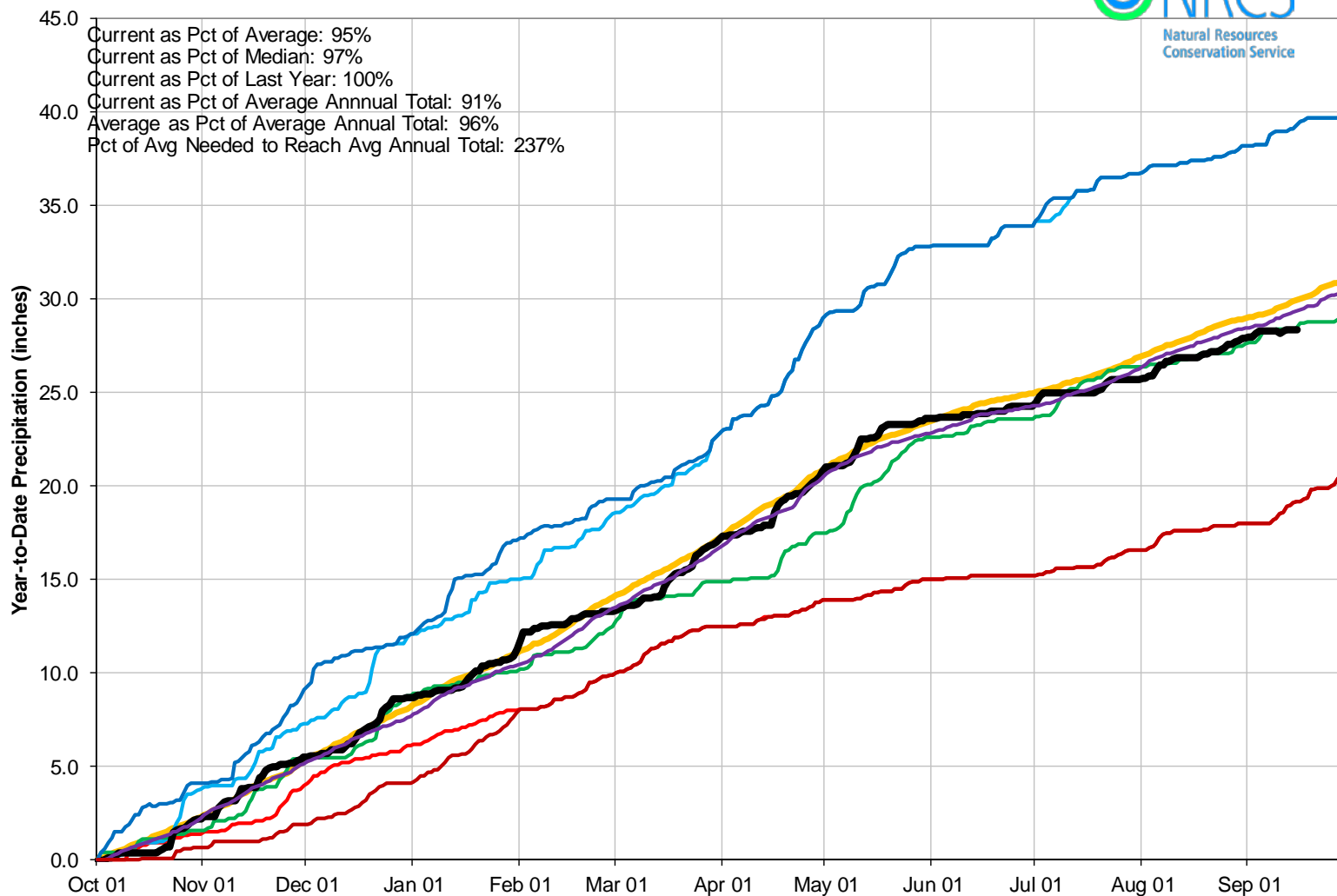
United States Department of Agriculture

Natural Resources Conservation Service

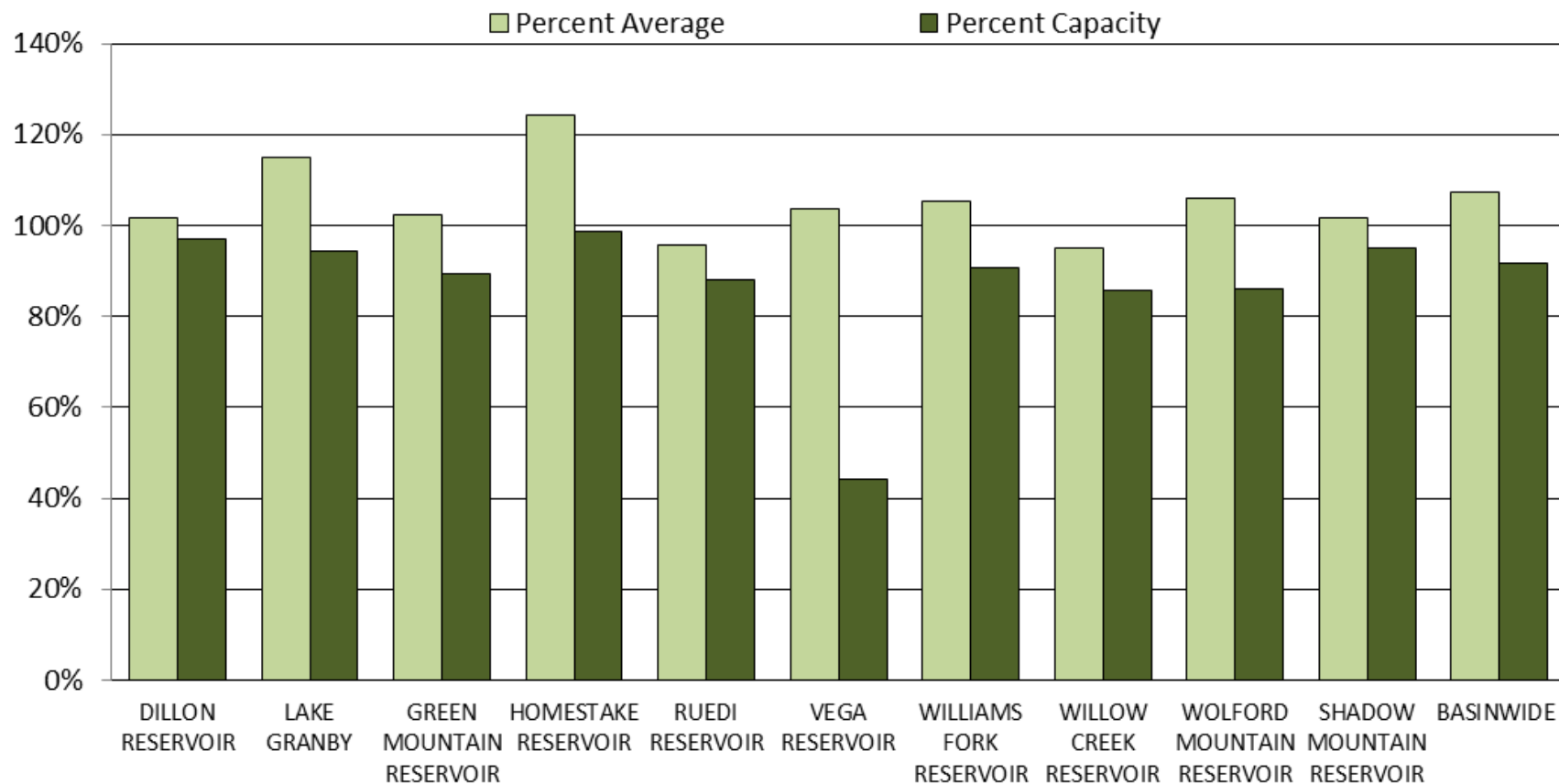


Upper Colorado River Basin High/Low Year-to-Date Precipitation Summary

Based on Provisional SNOTEL data as of Sep 15, 2016

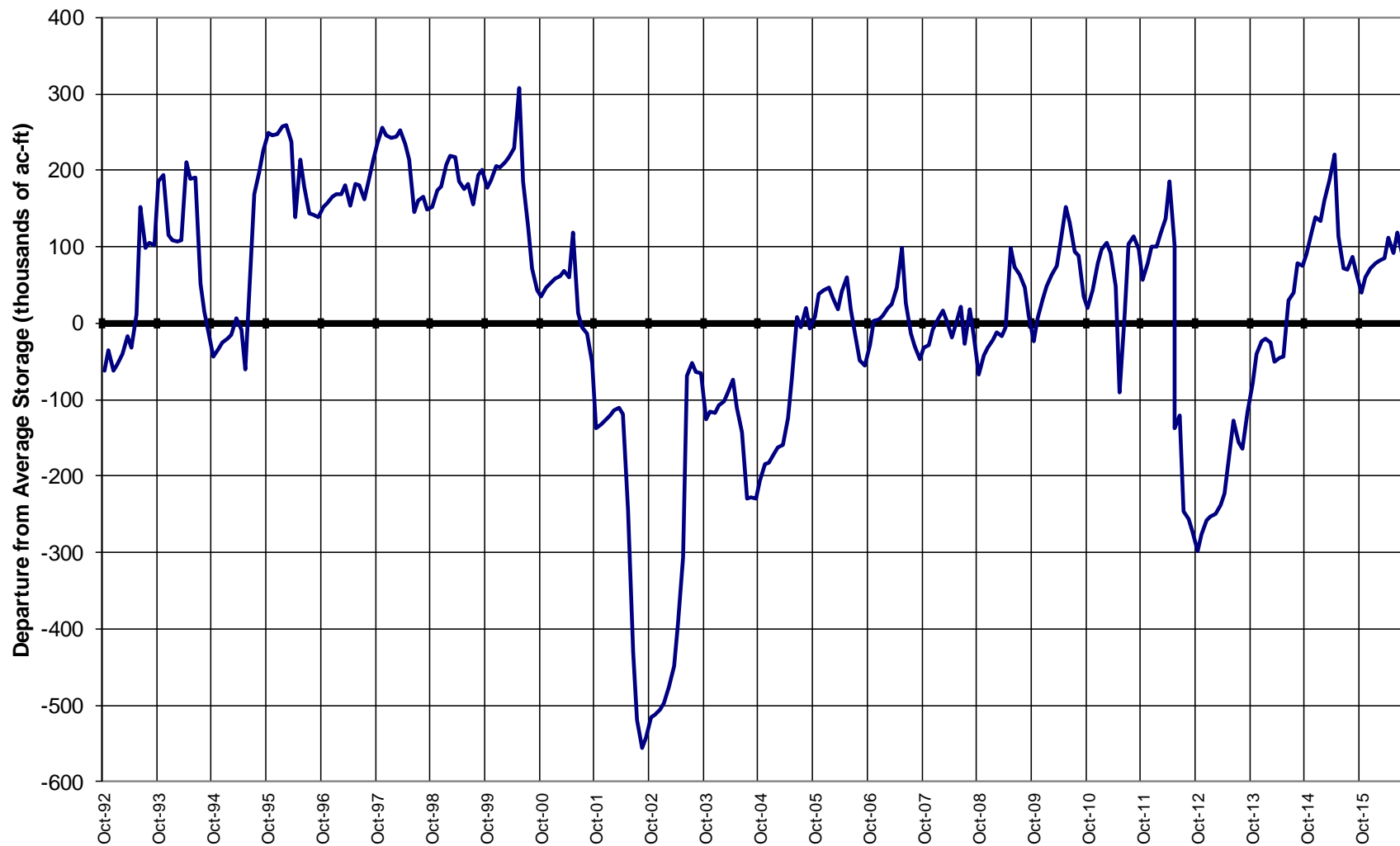


Reservoir Storage



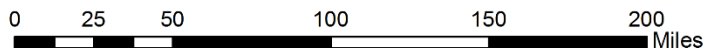
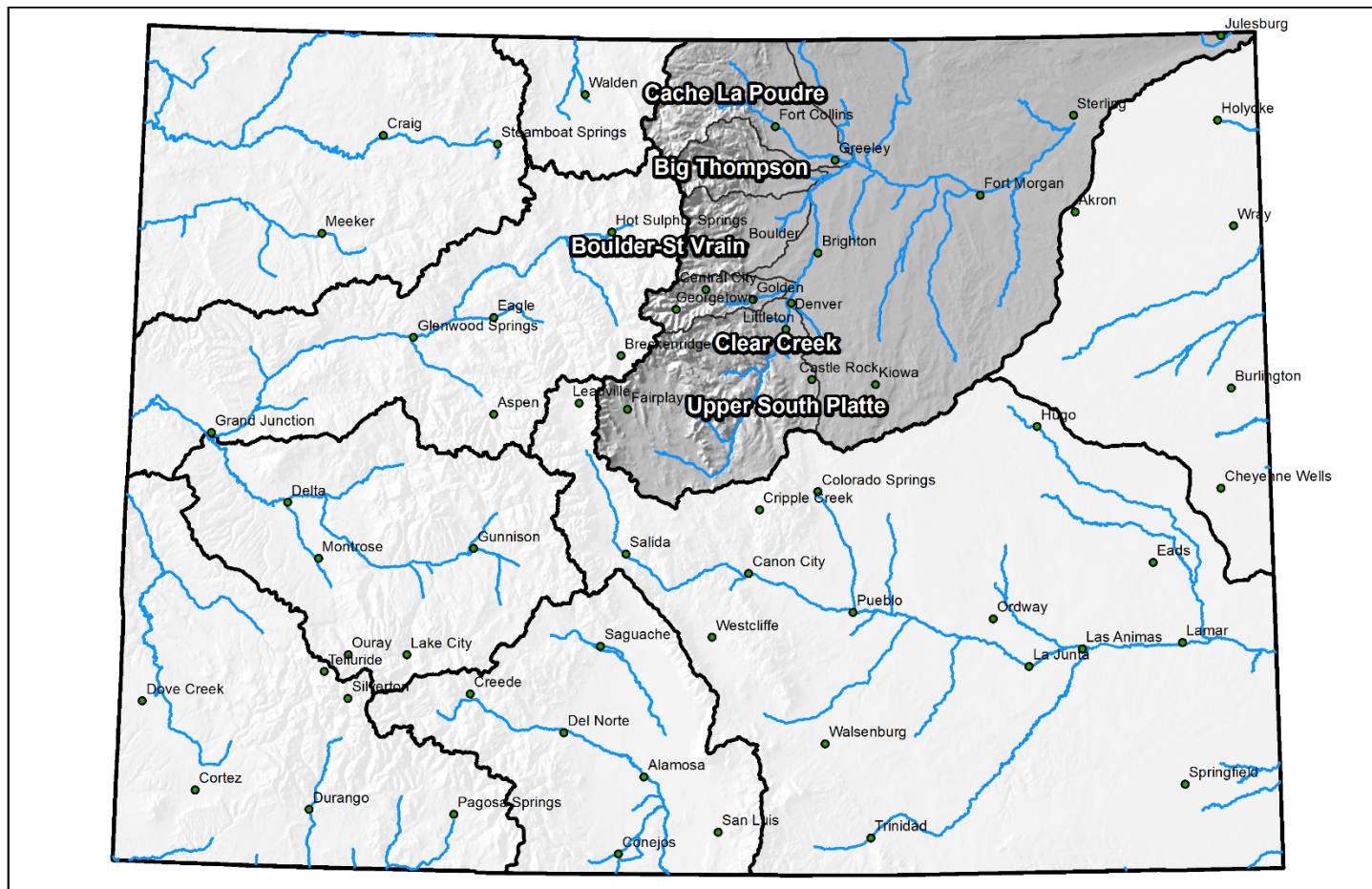


COLORADO RIVER BASIN Reservoir Storage Departure from Average



Major Basin Summary

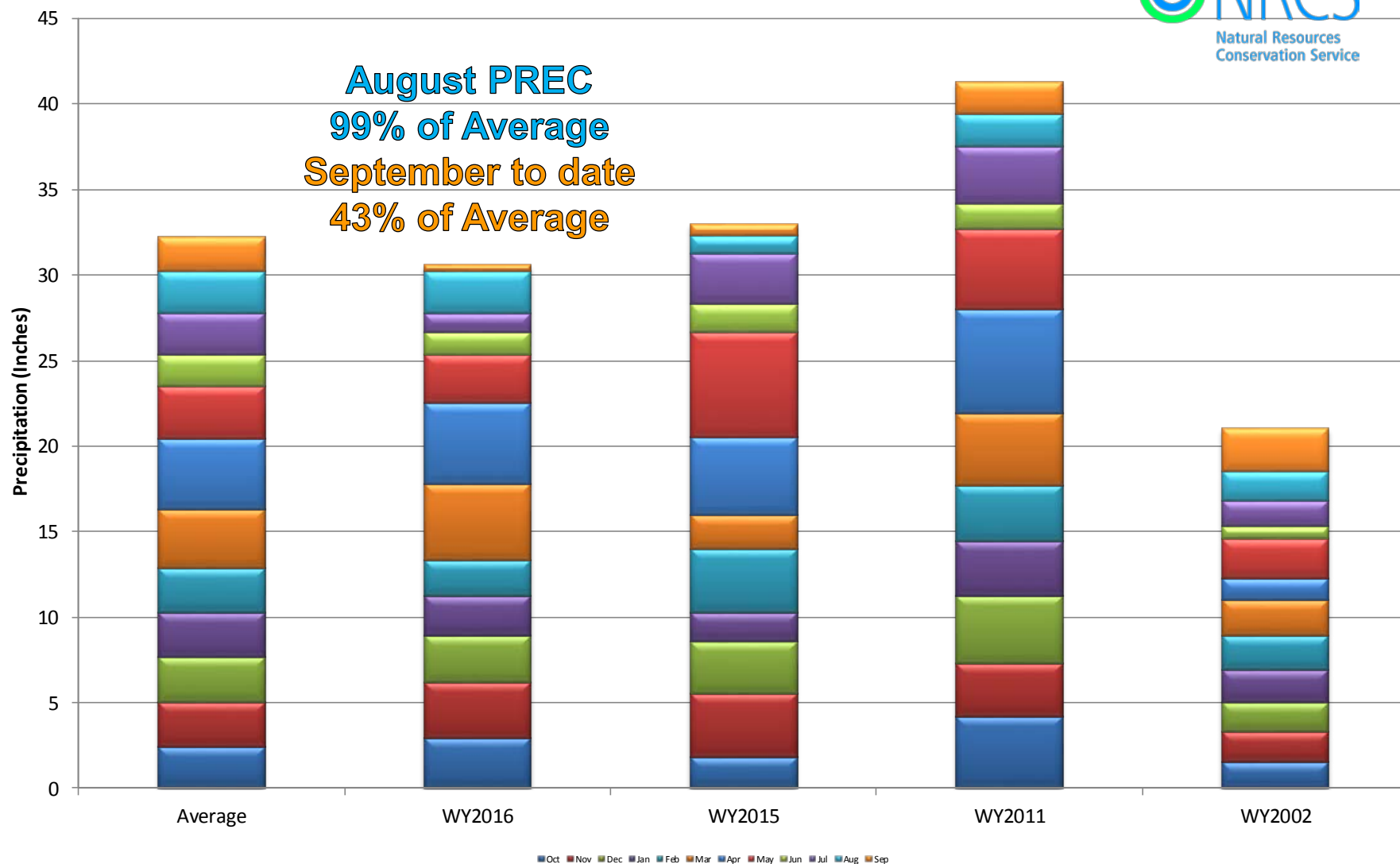
South Platte River Basin





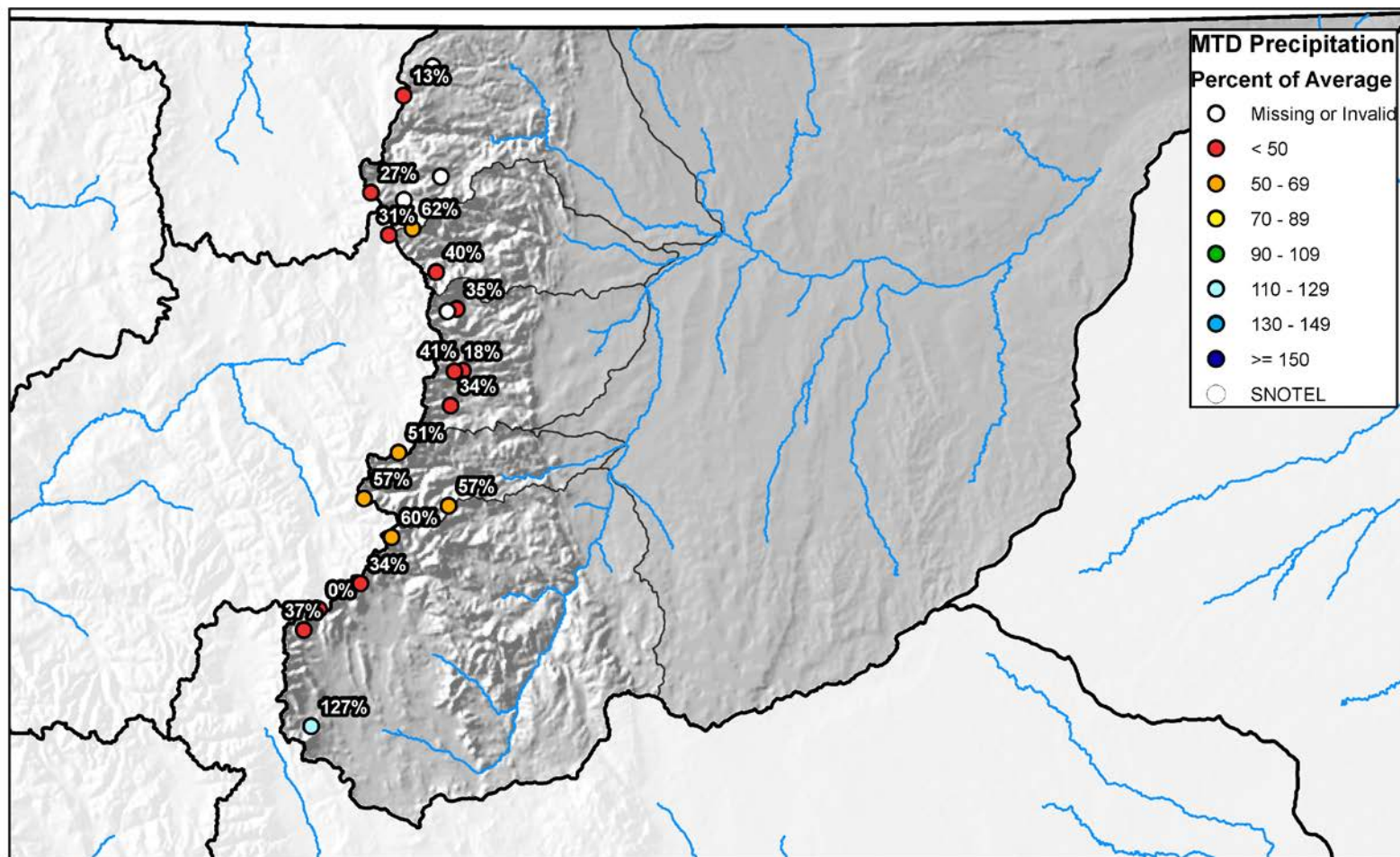
South Platte River Basin High/Low Monthly Precipitation Summary

Based on Provisional SNOTEL data as of Sep 15, 2016



South Platte River Basin Month to Date Precipitation Summary

Current as of Sep 15, 2016

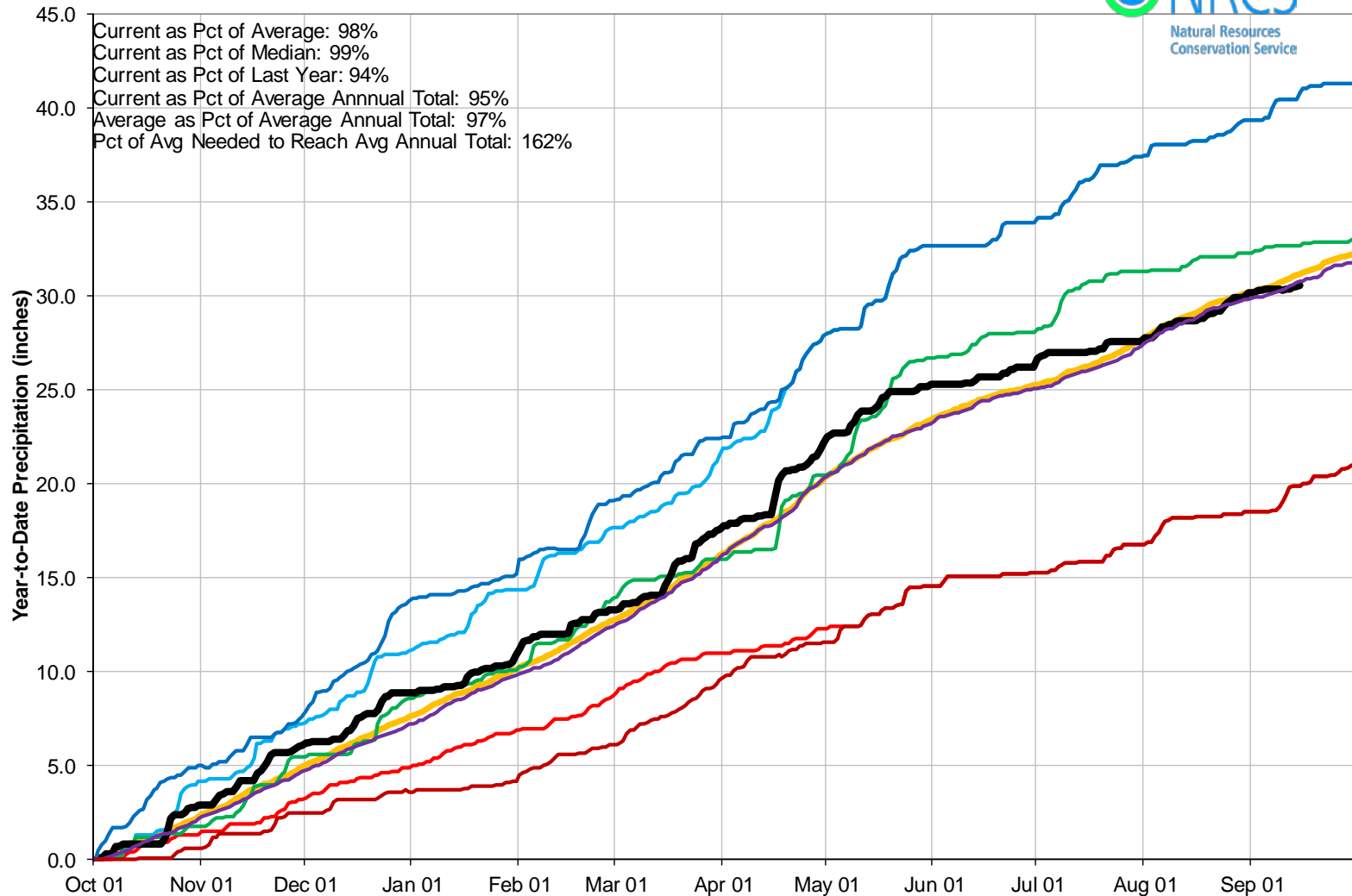


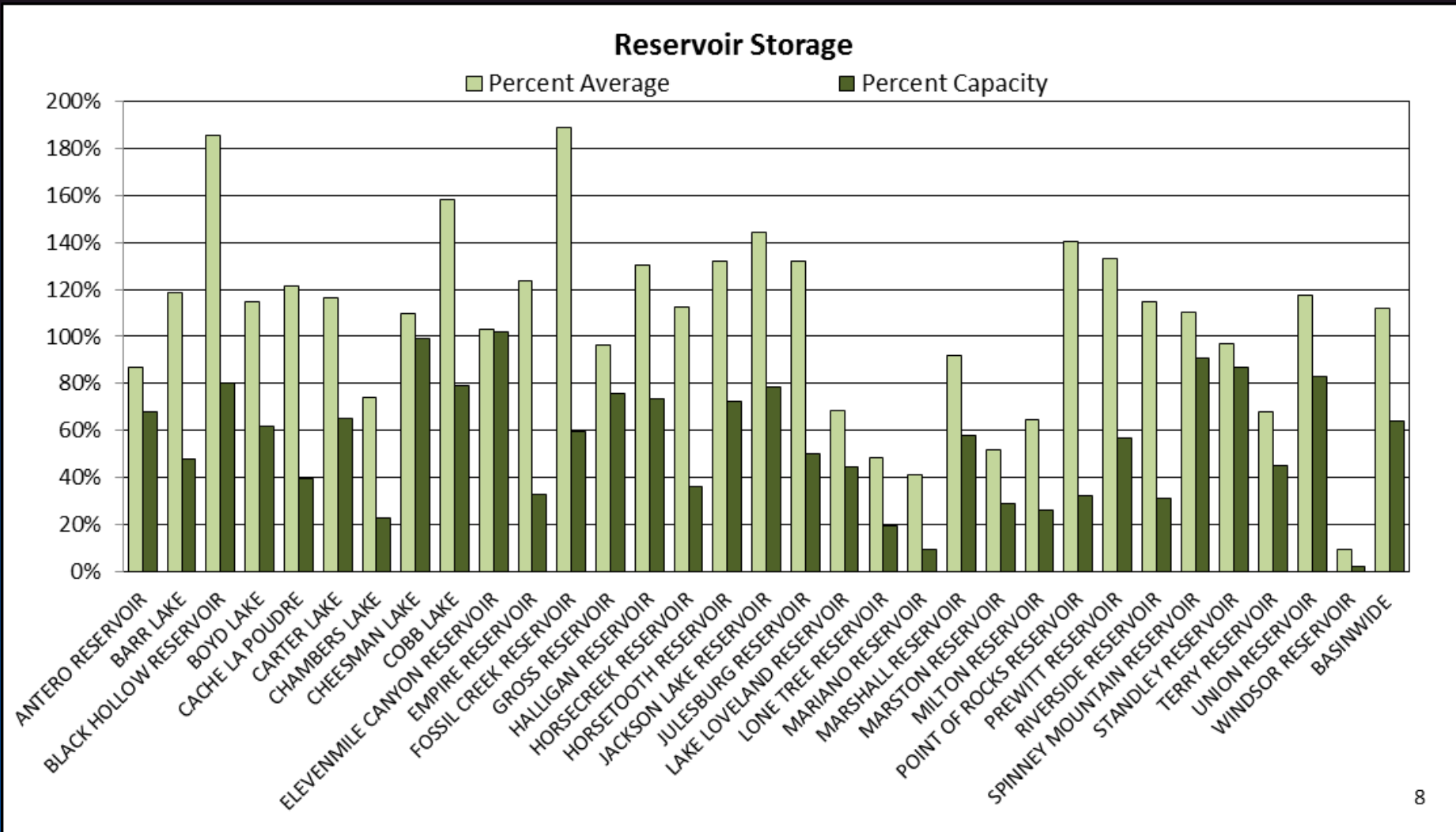
0 10 20 40 60 80 Miles



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

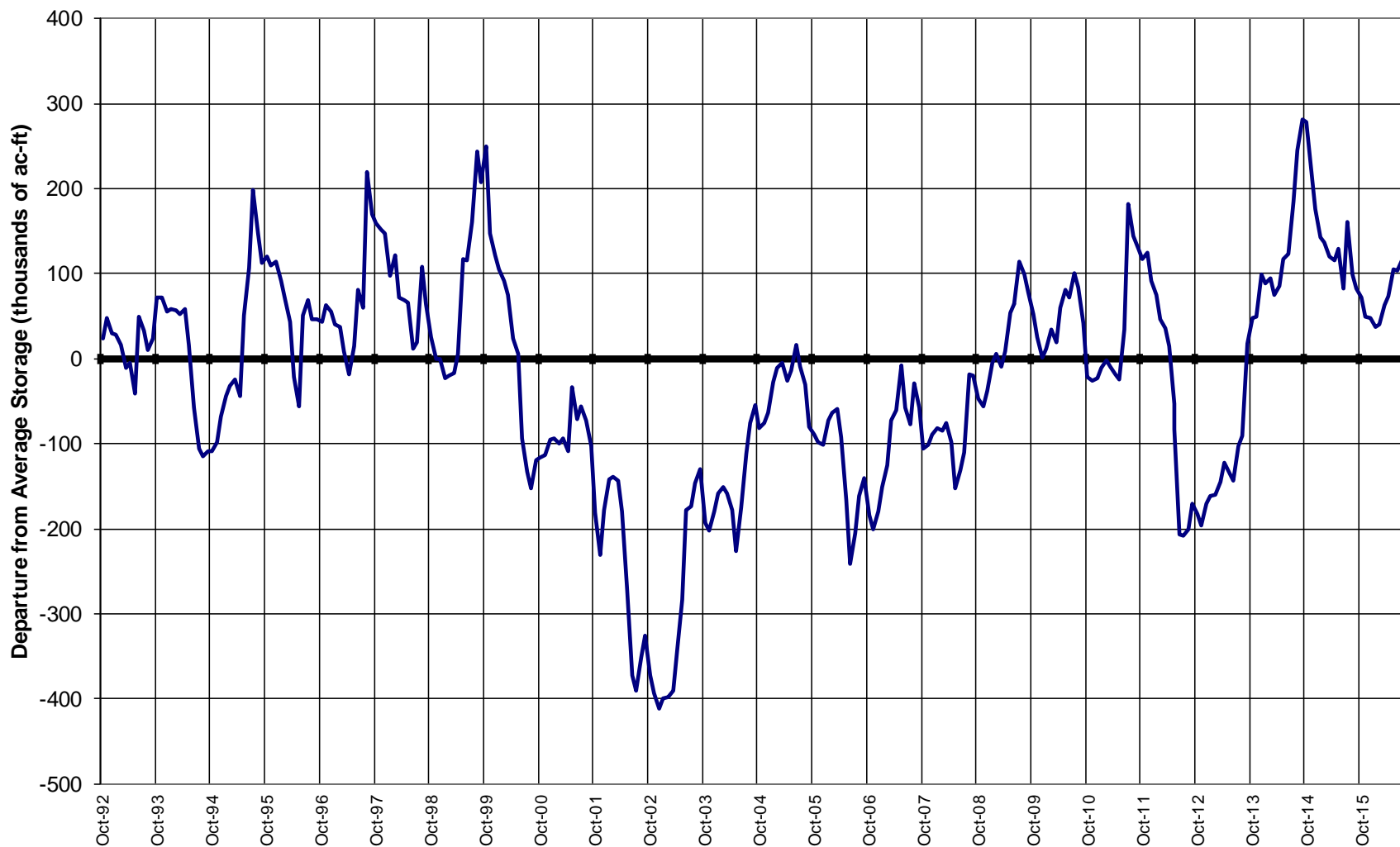
Based on Provisional SNOTEL data as of Sep 15, 2016





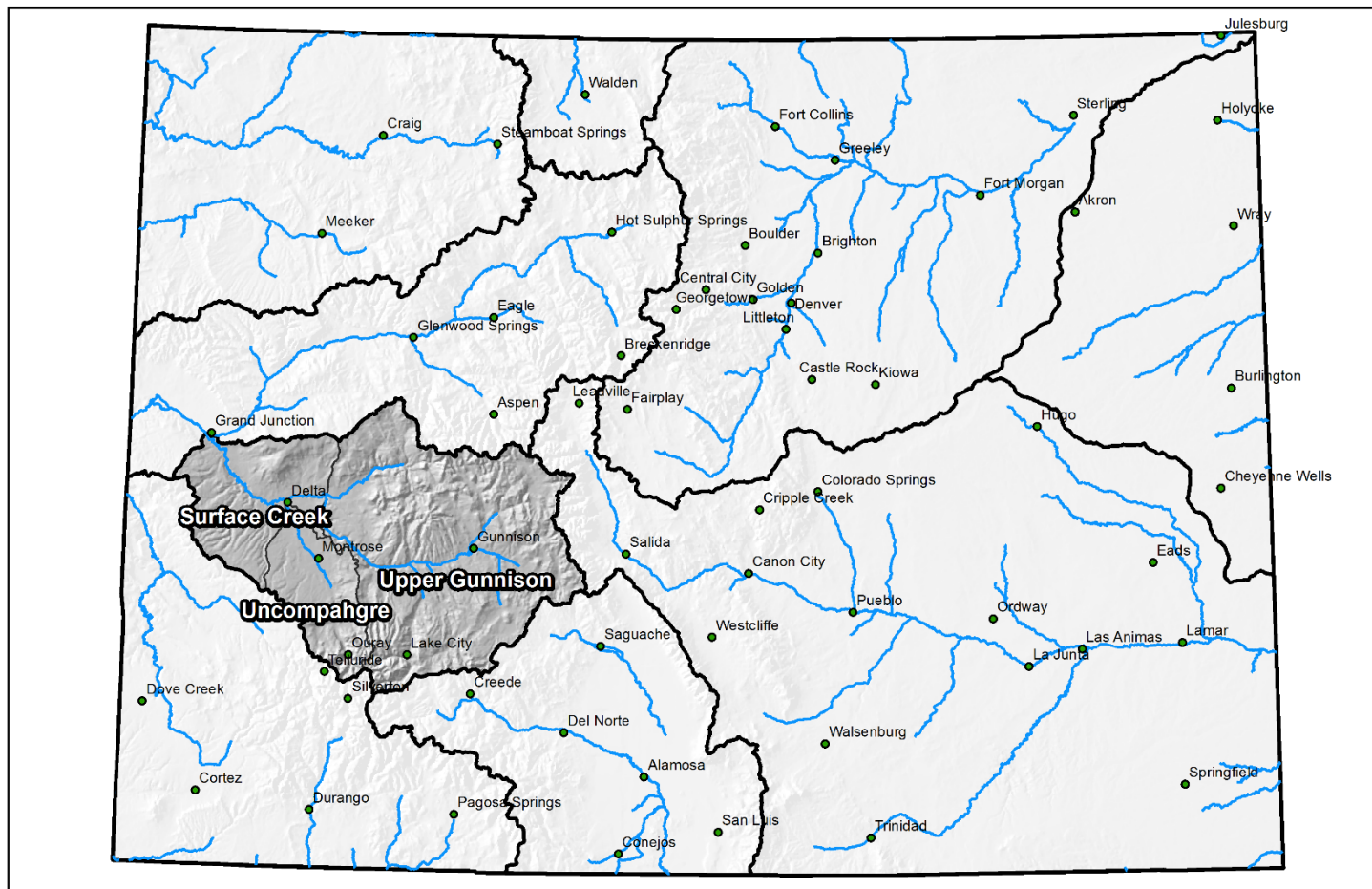


SOUTH PLATTE RIVER BASIN Reservoir Storage Departure from Average



Major Basin Summary

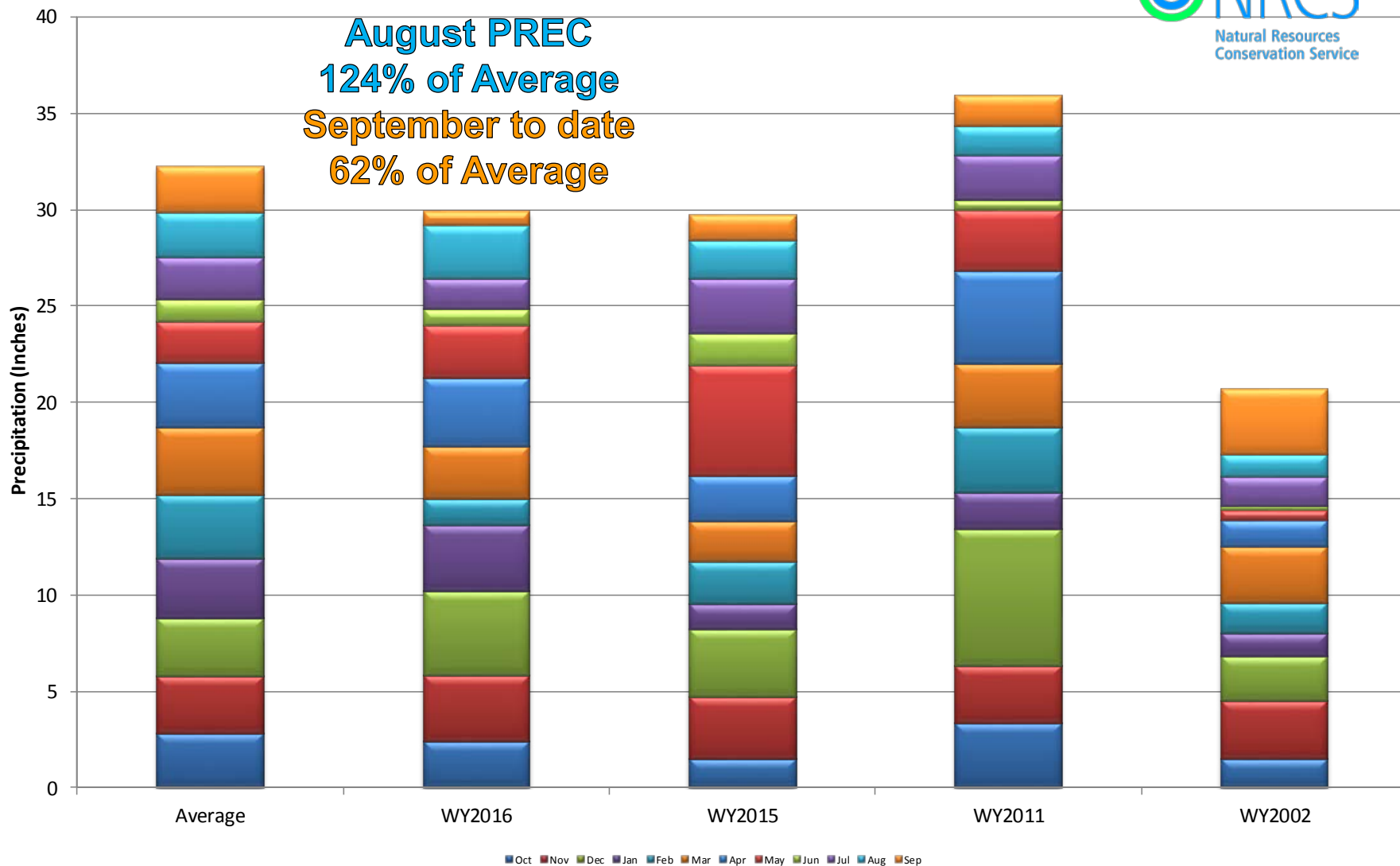
Gunnison River Basin



0 25 50 100 150 200 Miles

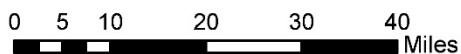
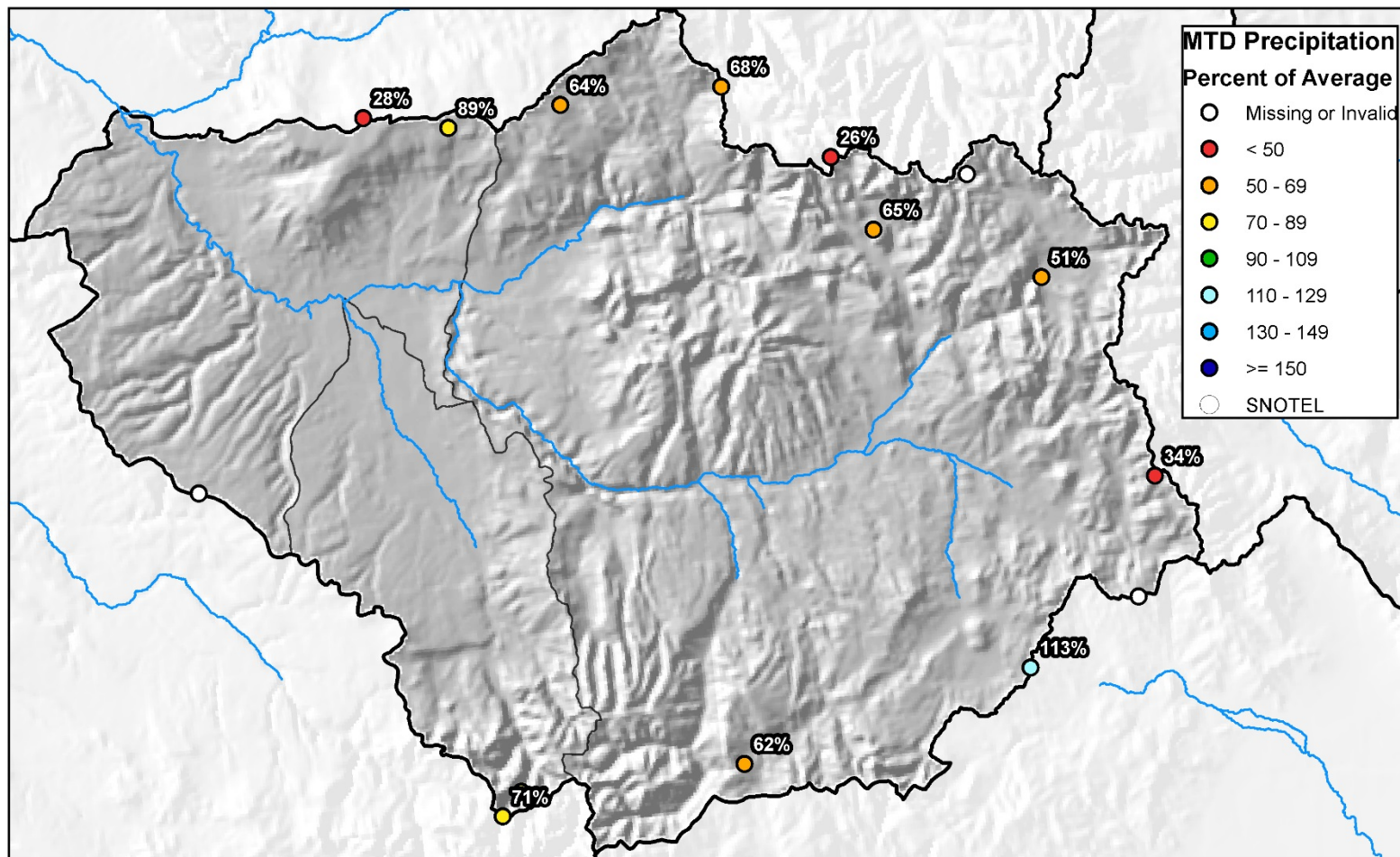
Gunnison River Basin High/Low Monthly Precipitation Summary

Based on Provisional SNOTEL data as of Sep 15, 2016



Gunnison River Basin Month to Date Precipitation Summary

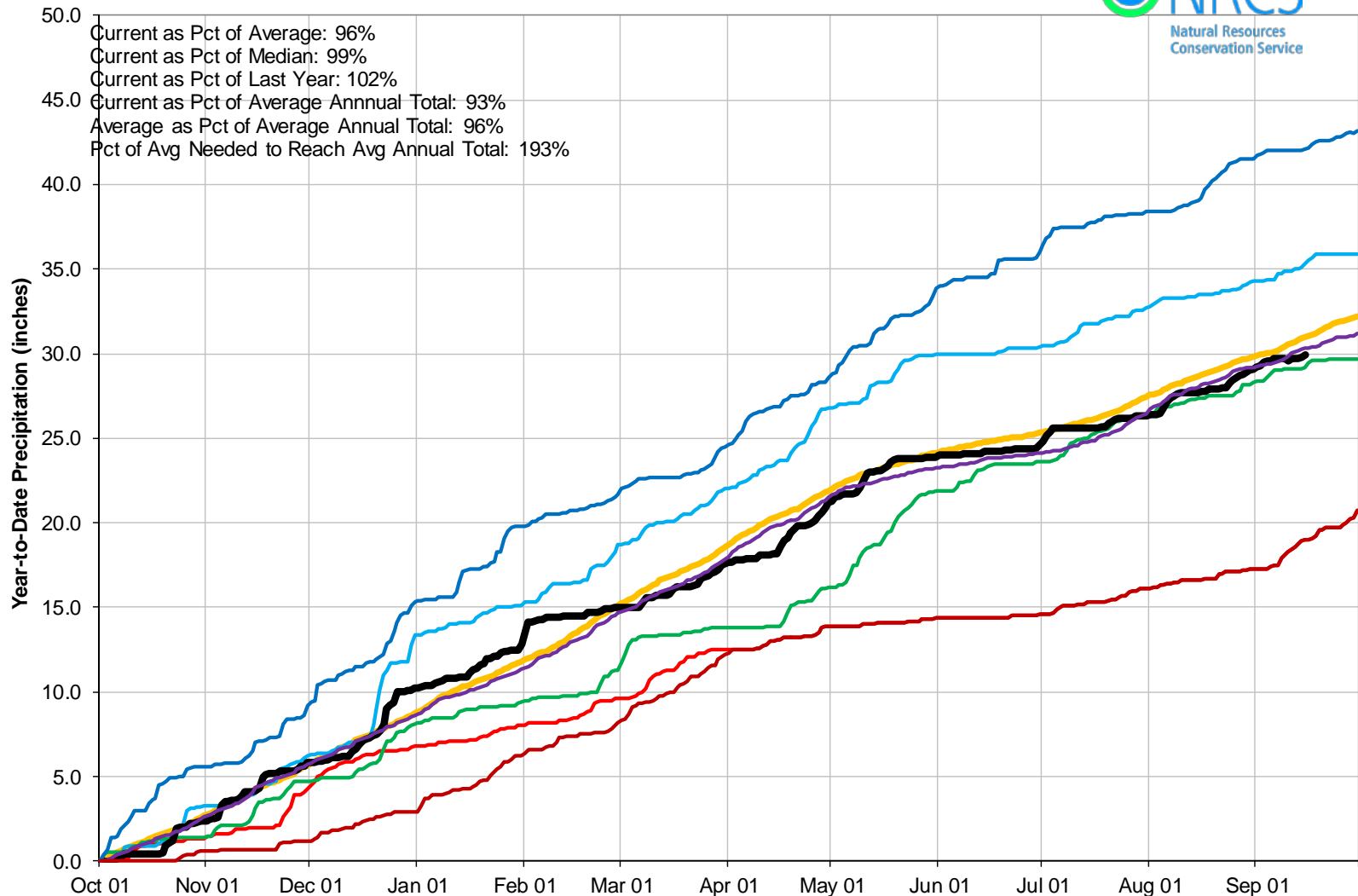
Current as of Sep 15, 2016

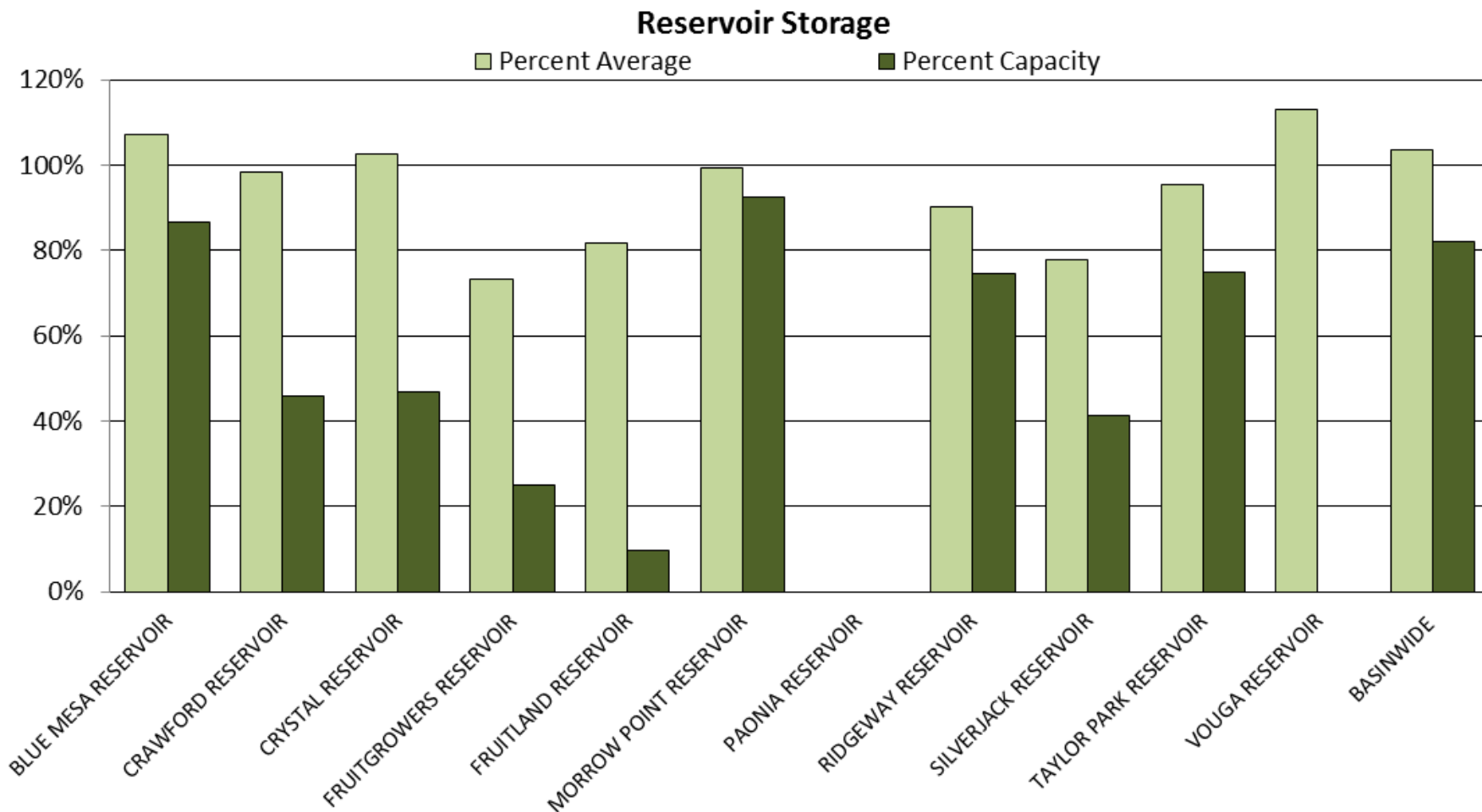




Gunnison River Basin High/Low Year-to-Date Precipitation Summary

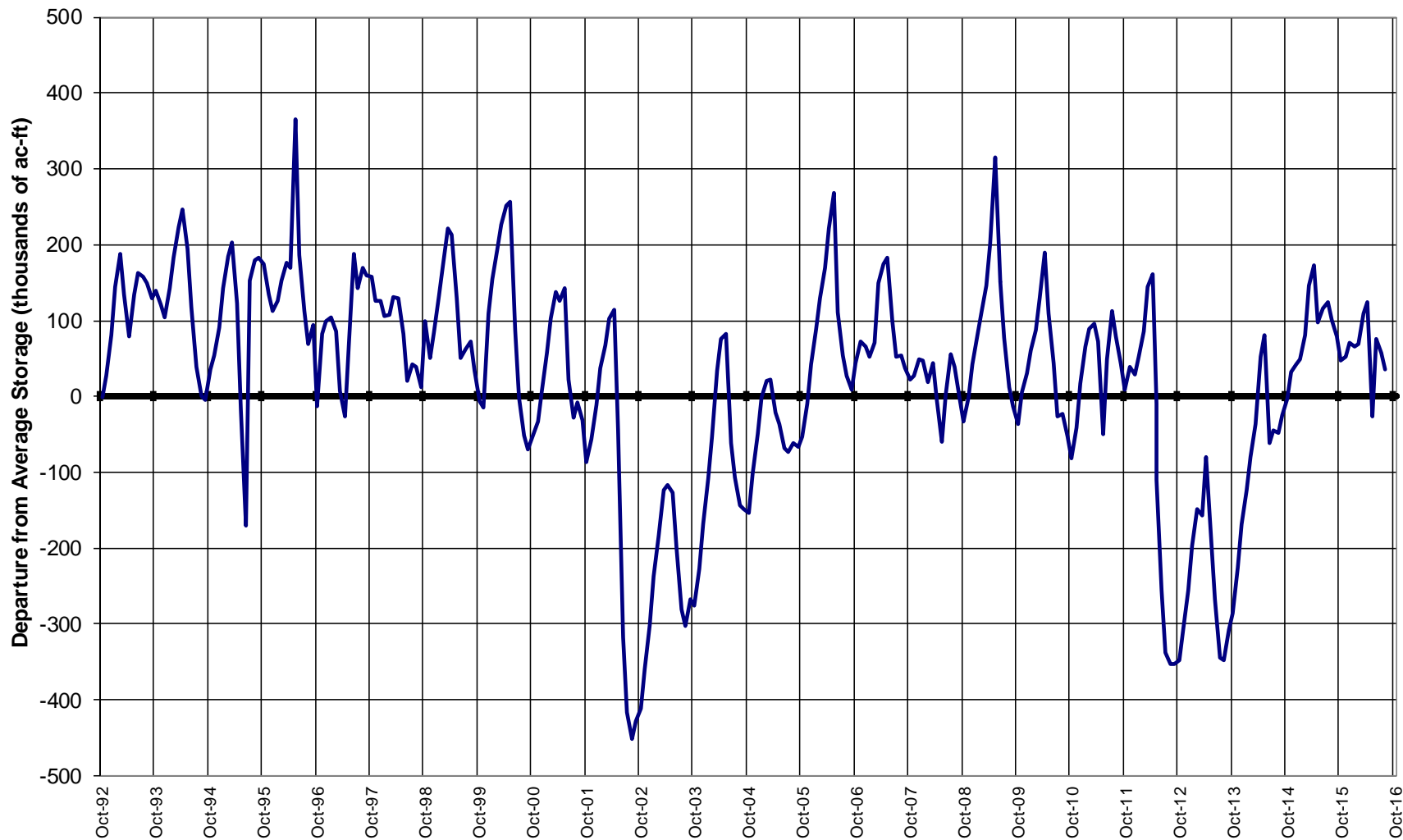
Based on Provisional SNOTEL data as of Sep 15, 2016





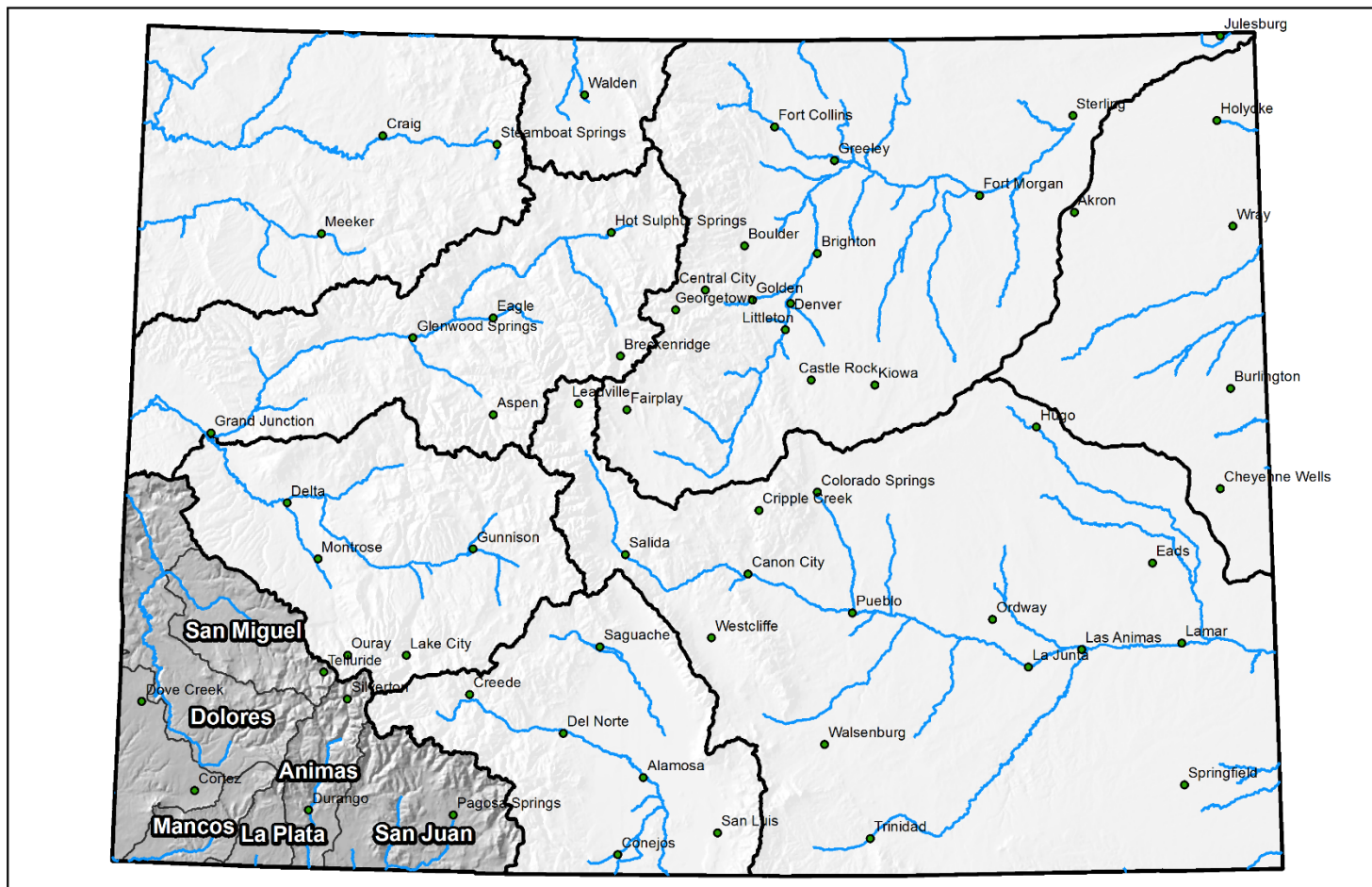


GUNNISON RIVER BASIN Reservoir Storage Departure from Average



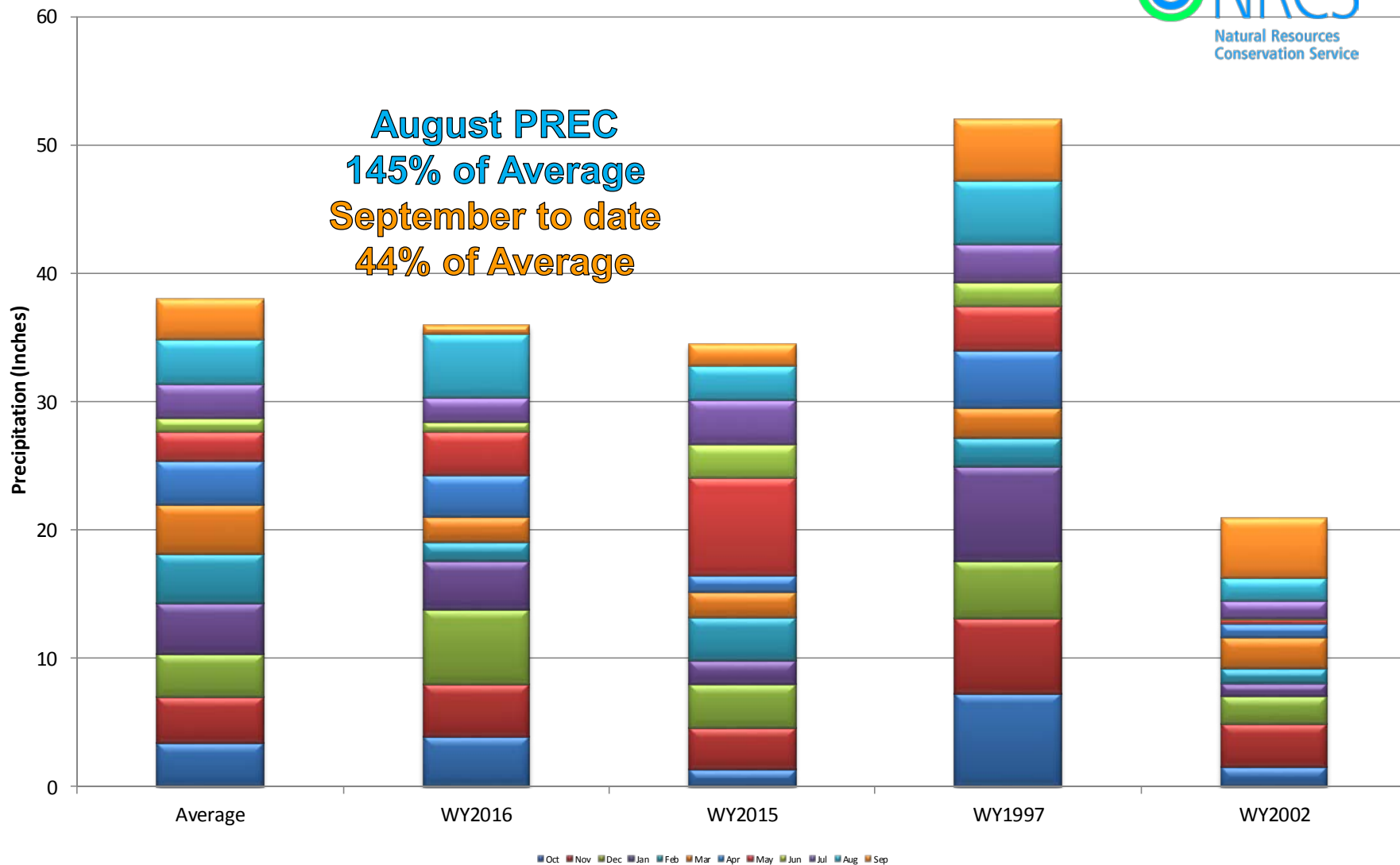
Major Basin Summary

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



0 25 50 100 150 200 Miles

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

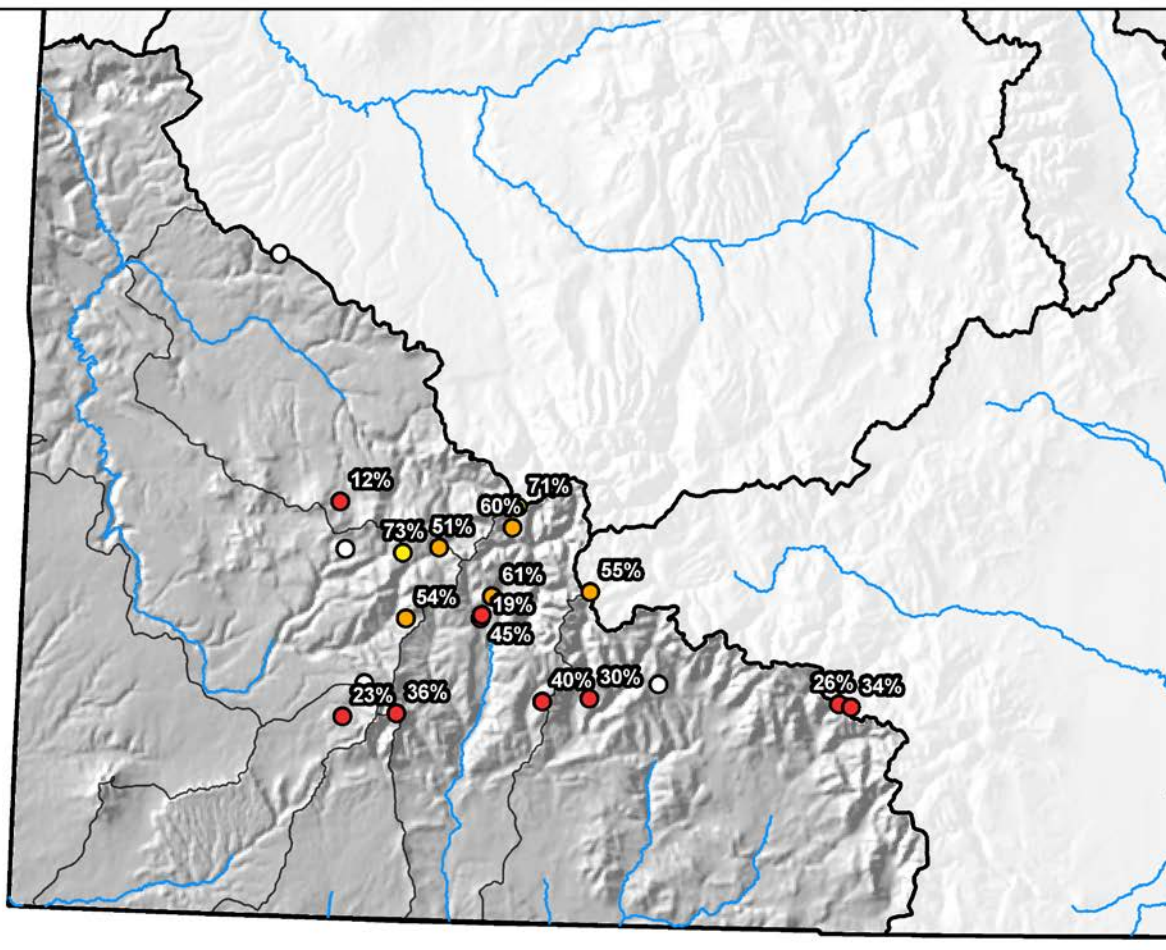


San Miguel, Dolores, Animas, and San Juan River Basins Month to Date Precipitation Summary

Current as of Sep 15, 2016

MTD Precipitation Percent of Average

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

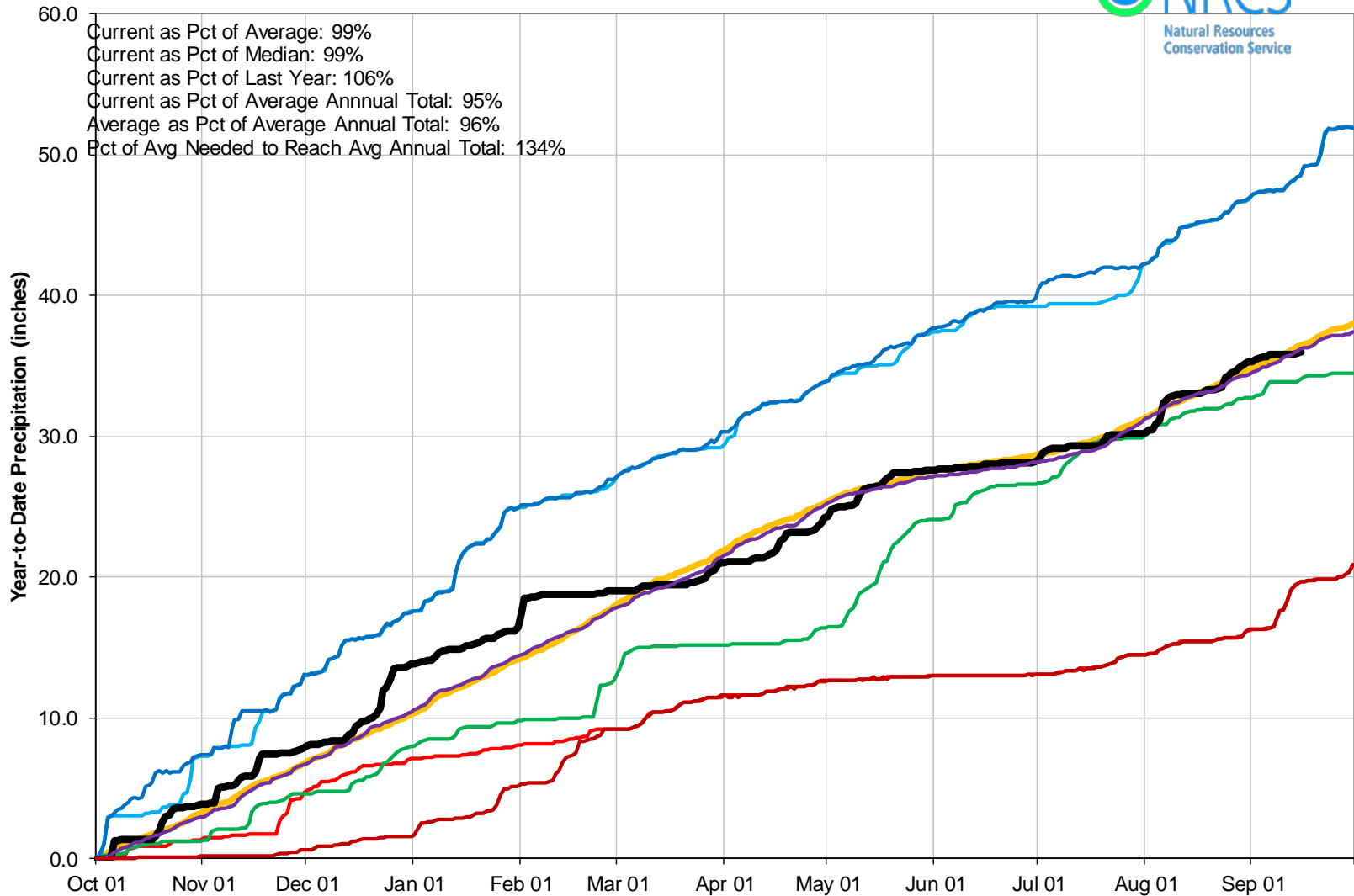


0 10 20 40 60 80 Miles

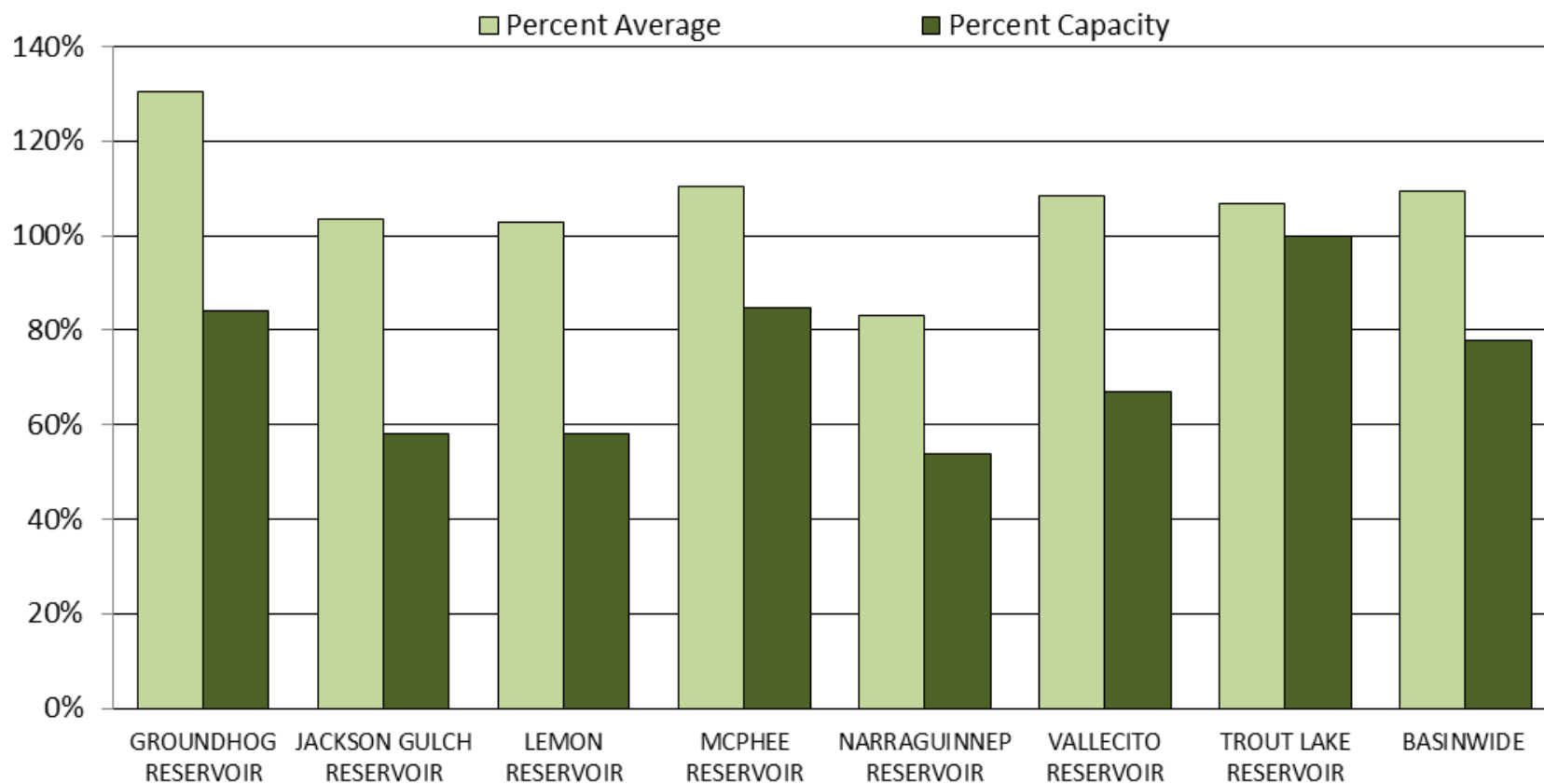


San Miguel, Dolores, Animas & San Juan River Basins High/Low Year-to-Date Precipitation Summary

Based on Provisional SNOTEL data as of Sep 15, 2016



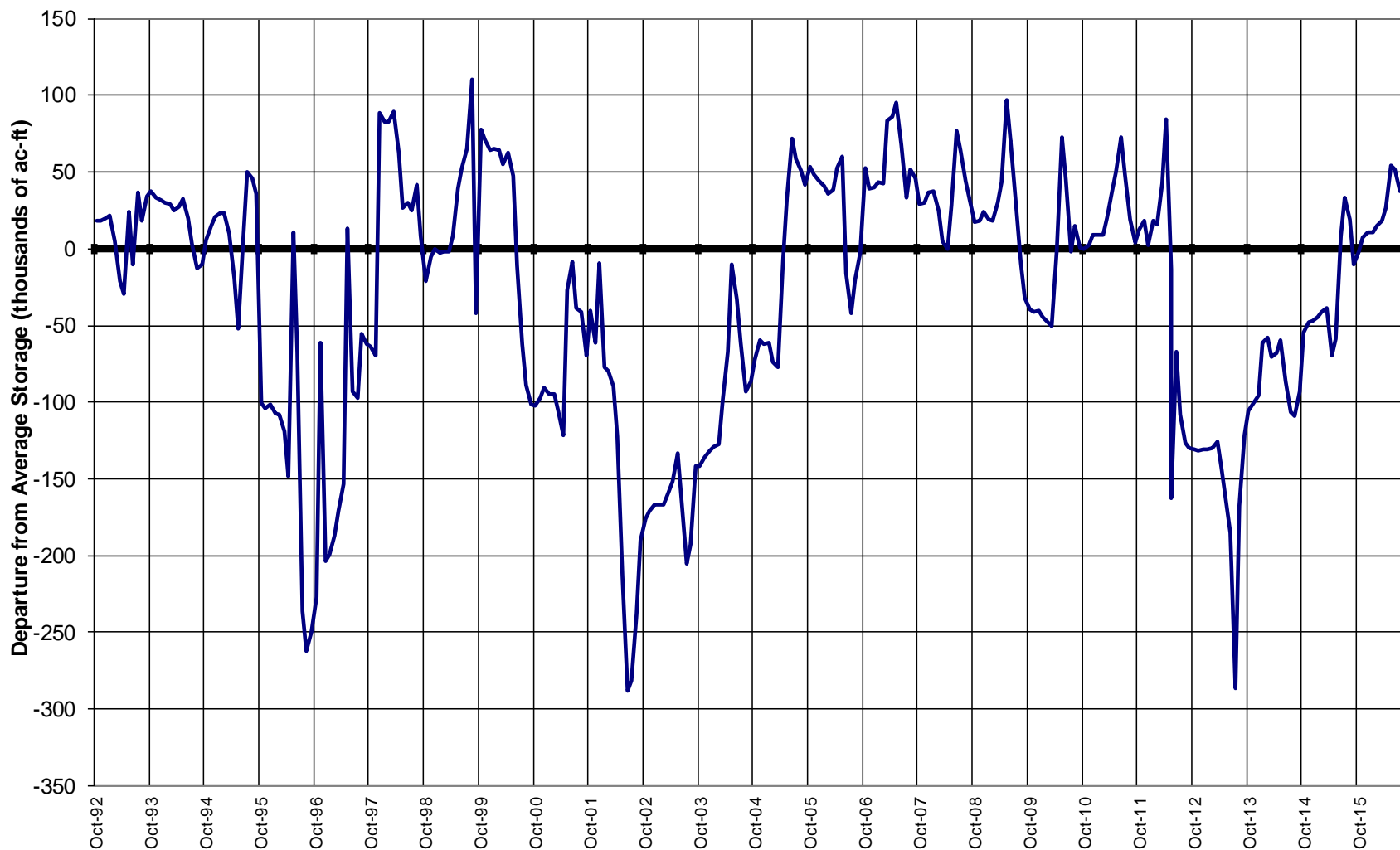
Reservoir Storage





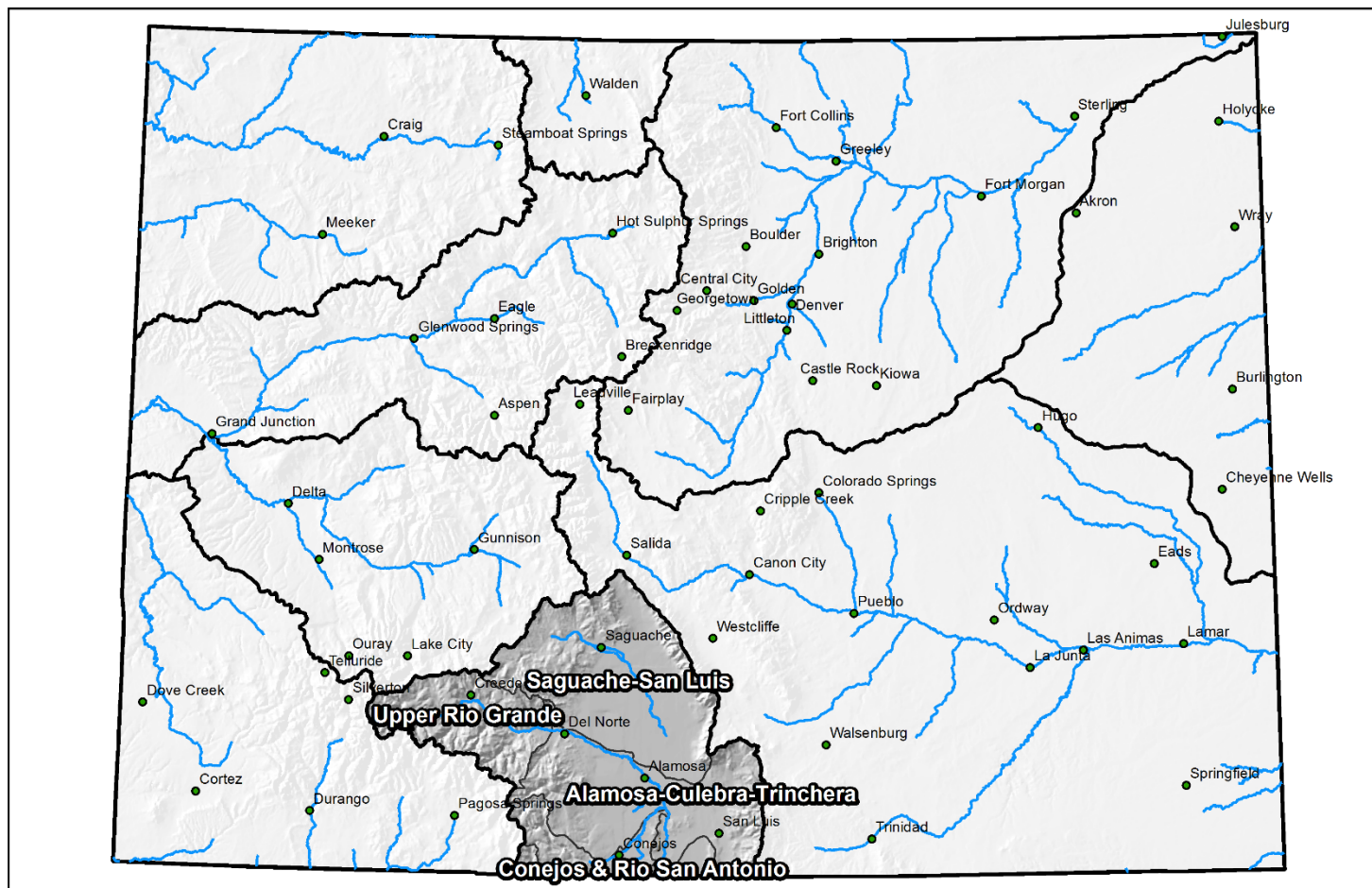
SAN MIGUEL, DOLORES, ANIMAS AND SAN JUAN RIVER BASINS

Reservoir Storage
Departure from Average



Major Basin Summary

Upper Rio Grande River Basin

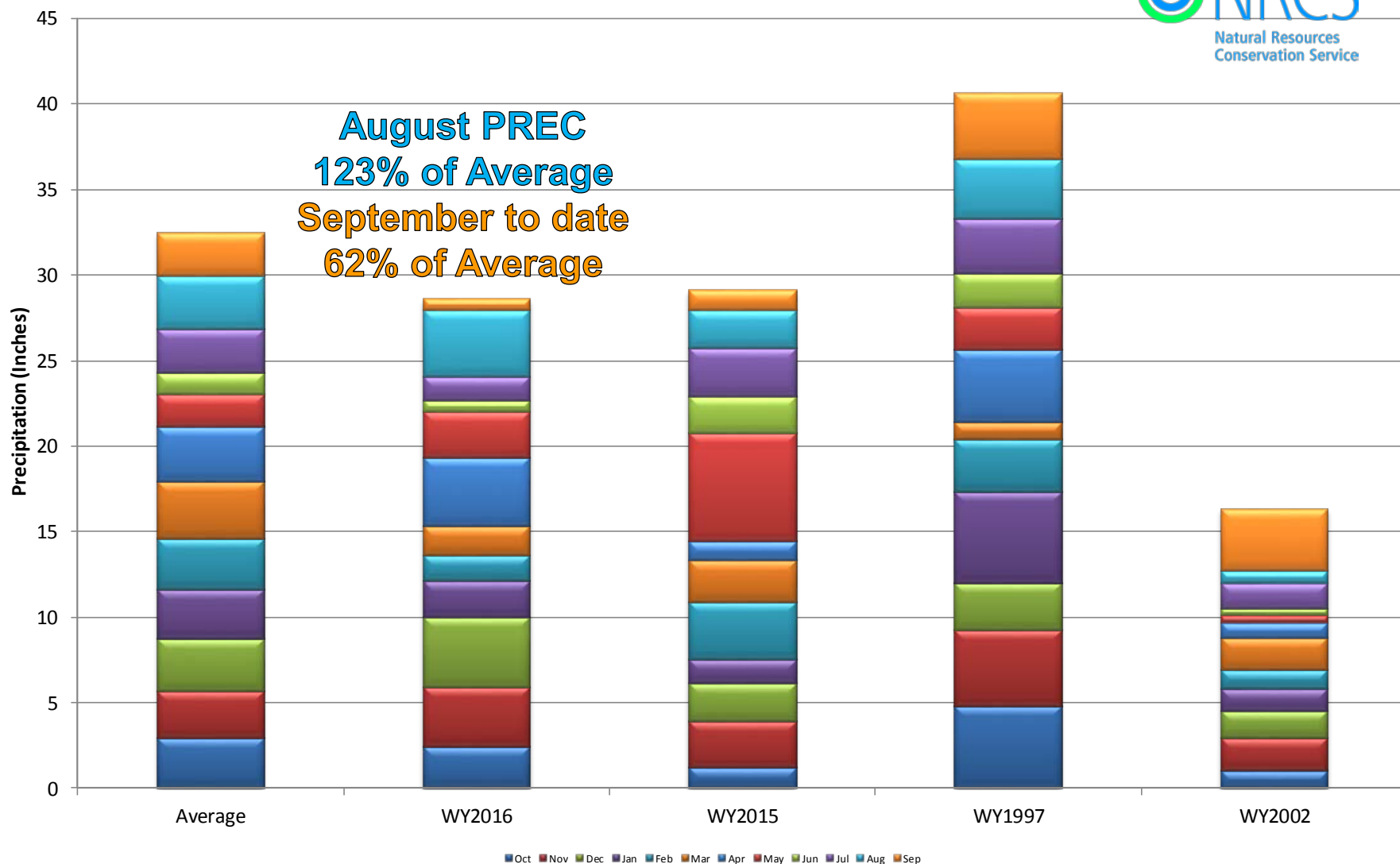


0 25 50 100 150 200 Miles



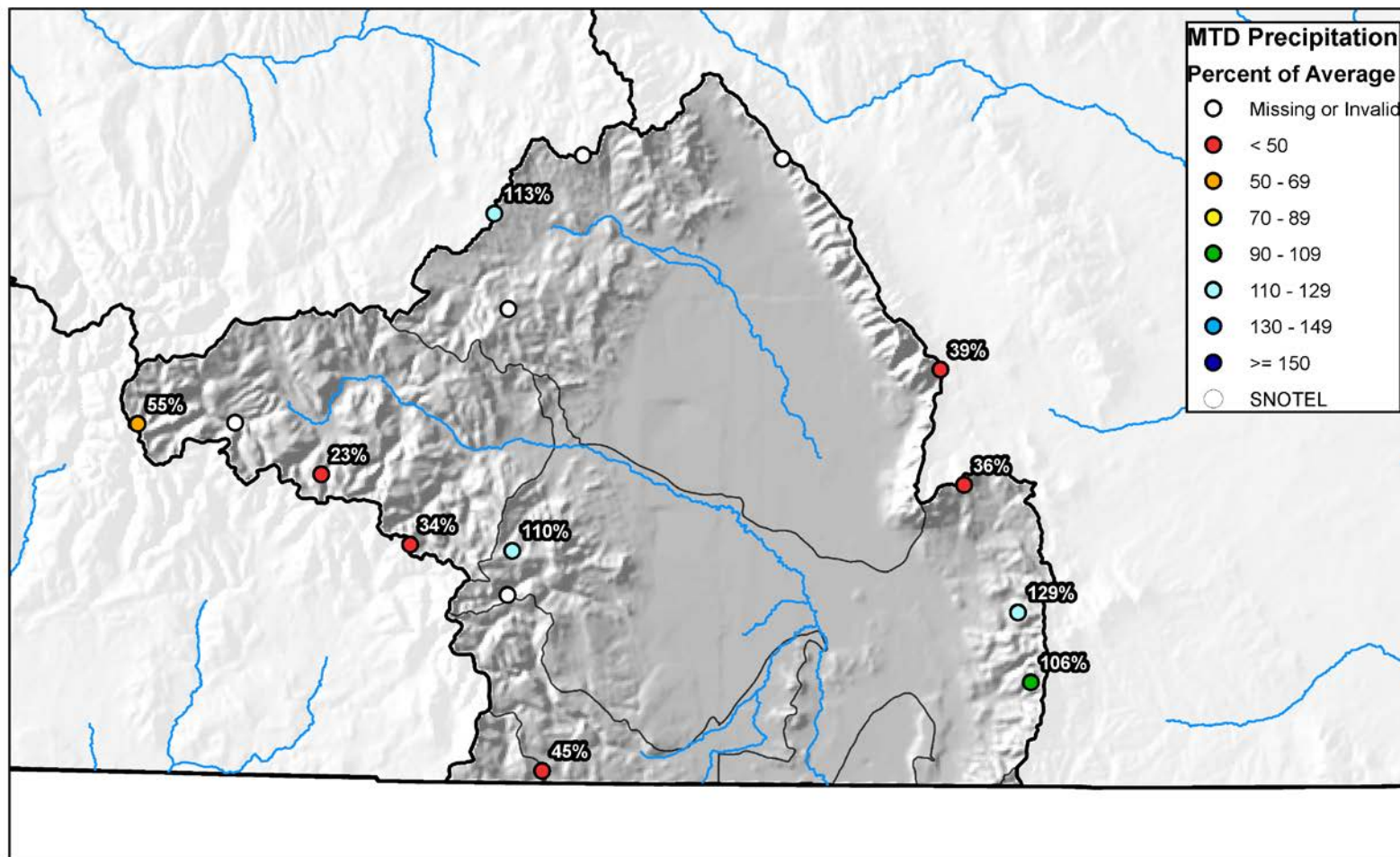
Upper Rio Grande Basin High/Low Monthly Precipitation Summary

Based on Provisional SNOTEL data as of Sep 15, 2016



Upper Rio Grande River Basin Month to Date Precipitation Summary

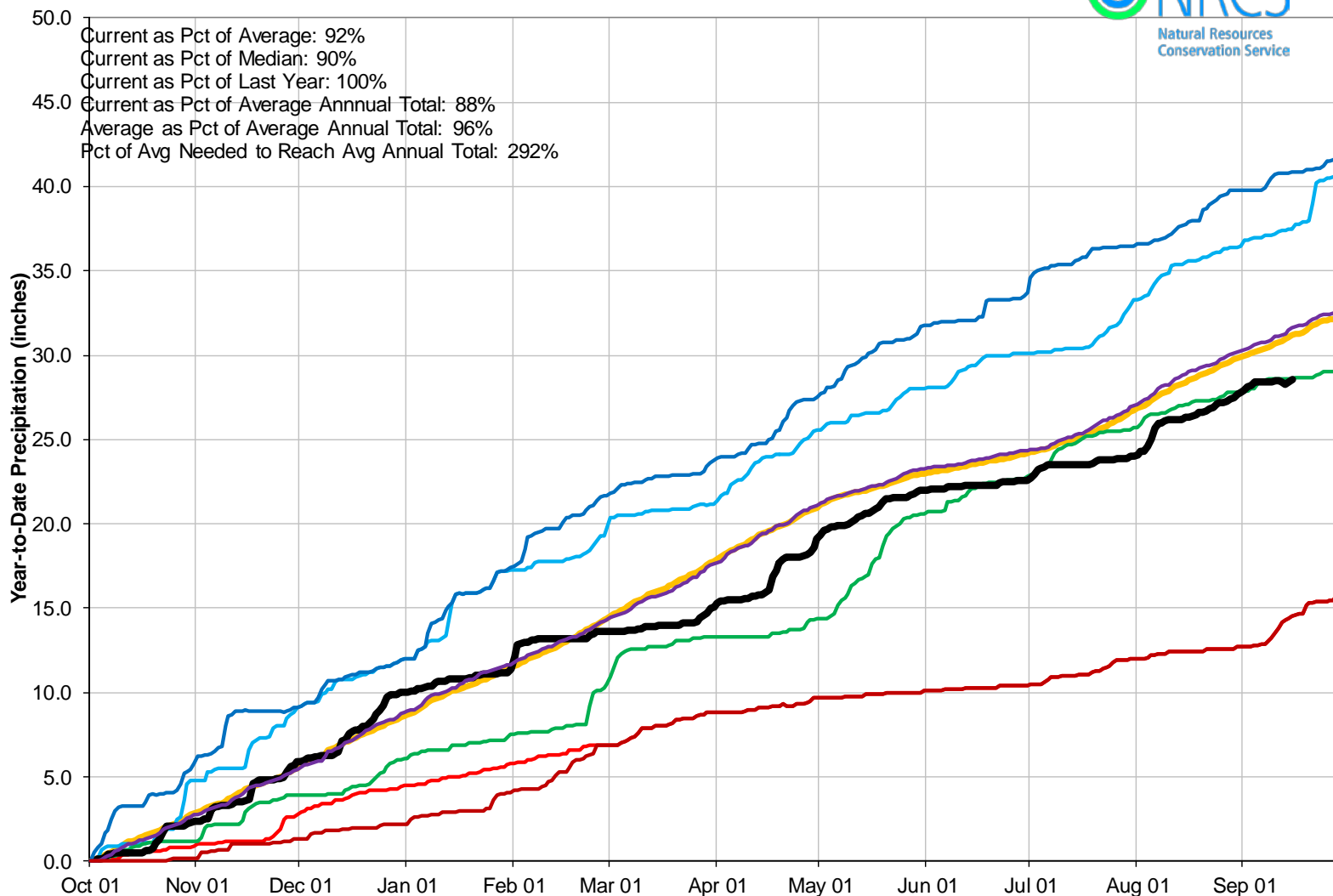
Current as of Sep 15, 2016



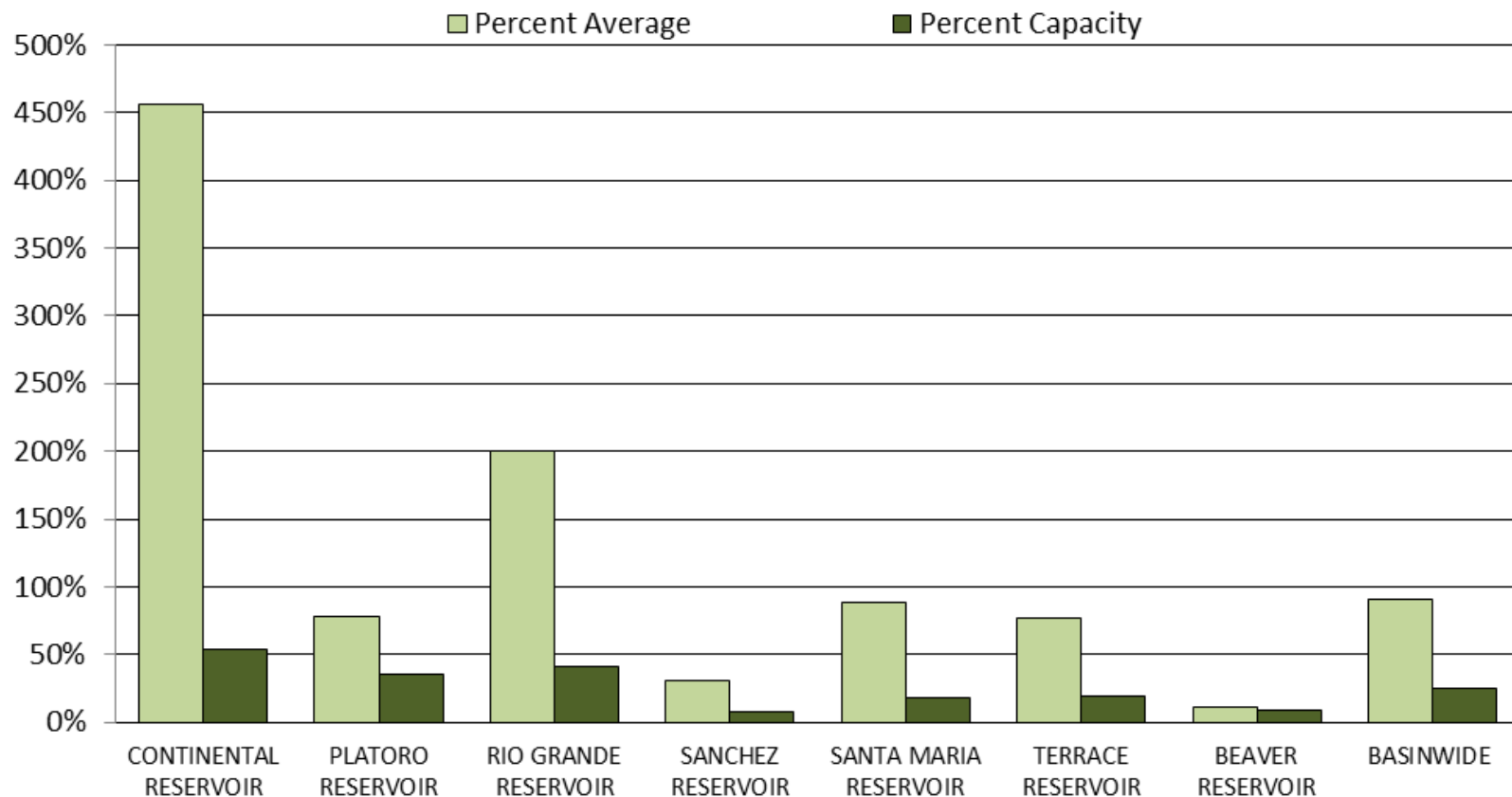


Upper Rio Grande Basin High/Low Year-to-Date Precipitation Summary

Based on Provisional SNOTEL data as of Sep 15, 2016

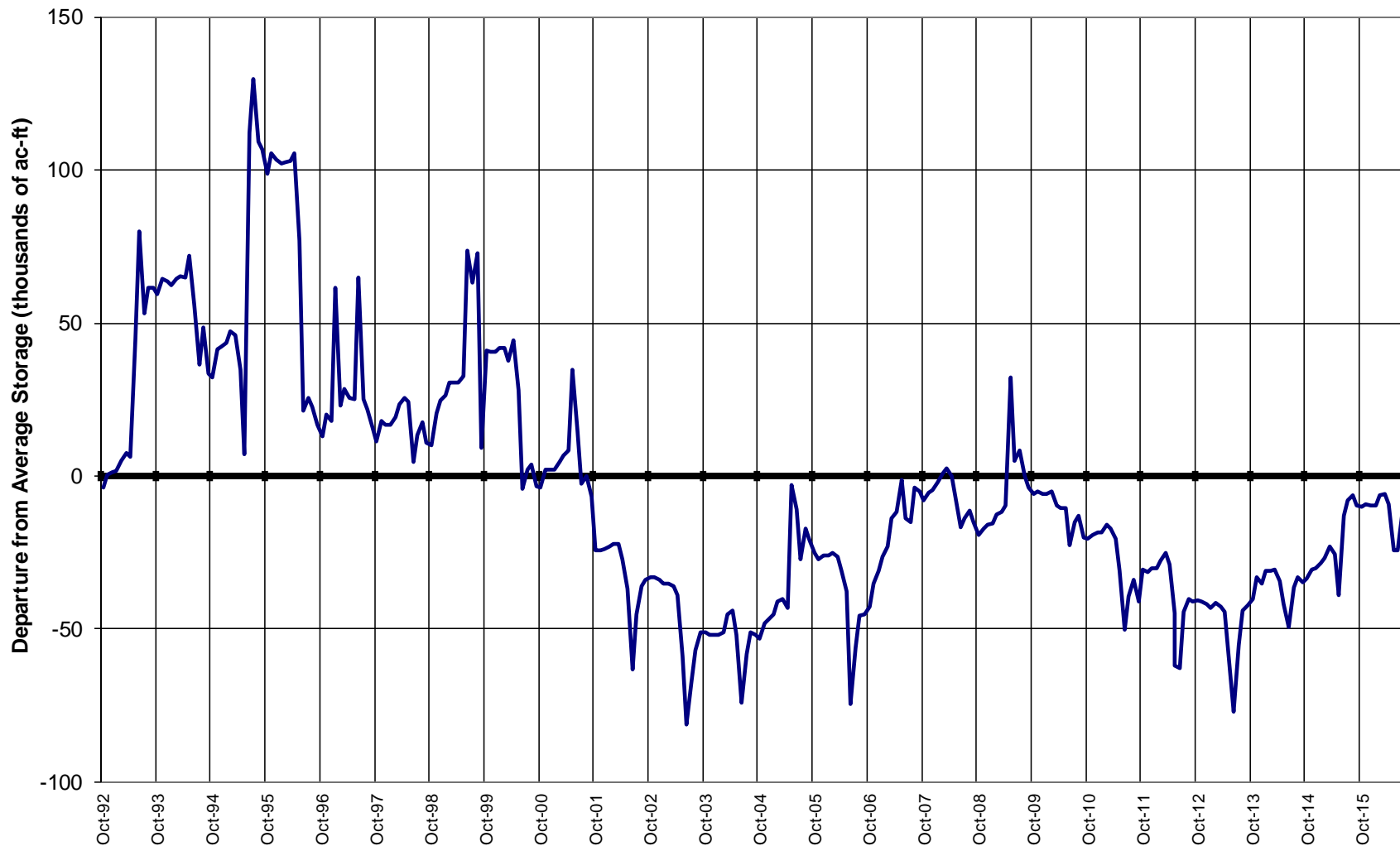


Reservoir Storage



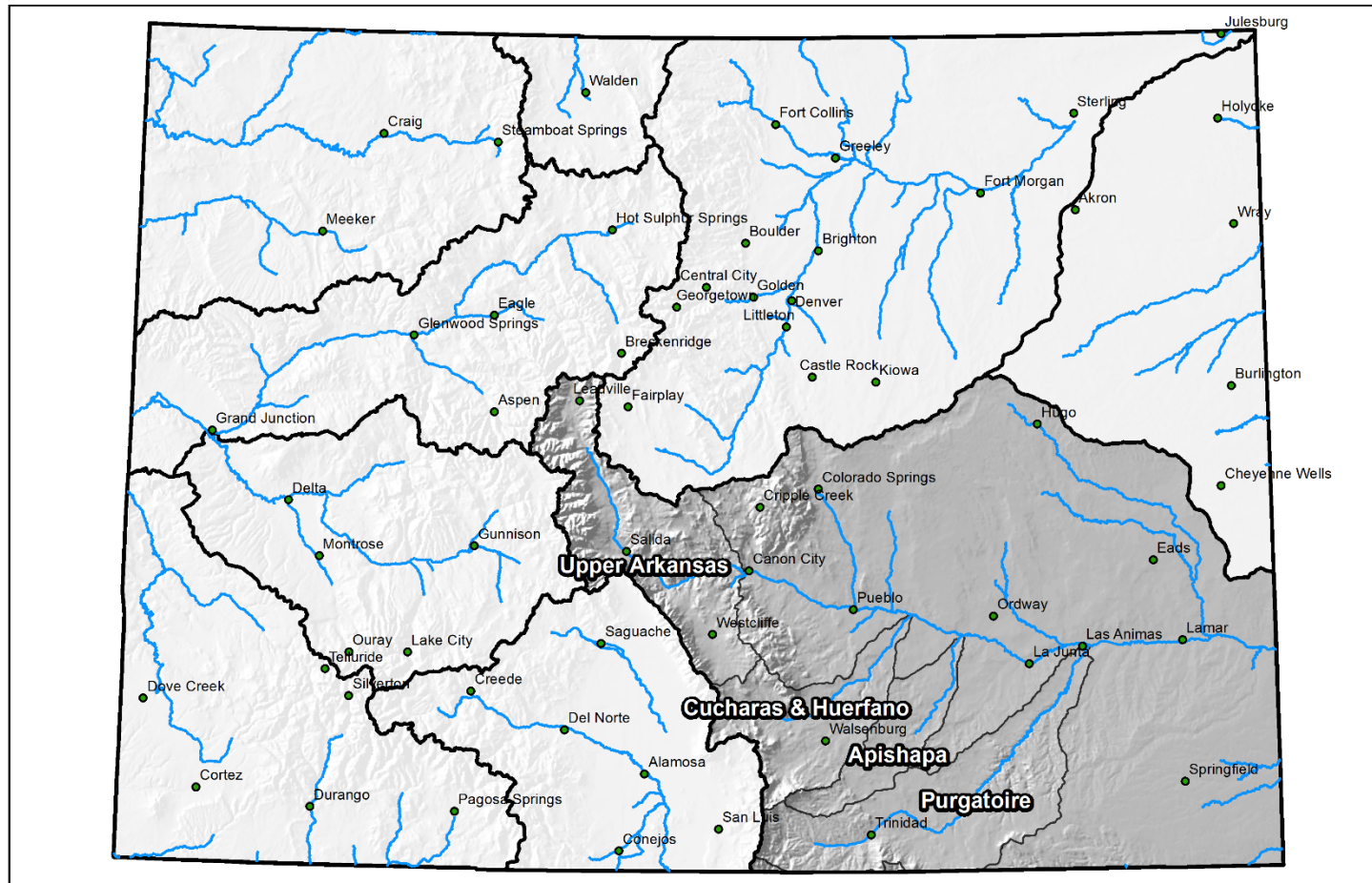


UPPER RIO GRANDE BASIN Reservoir Storage Departure from Average



Major Basin Summary

Arkansas River Basin

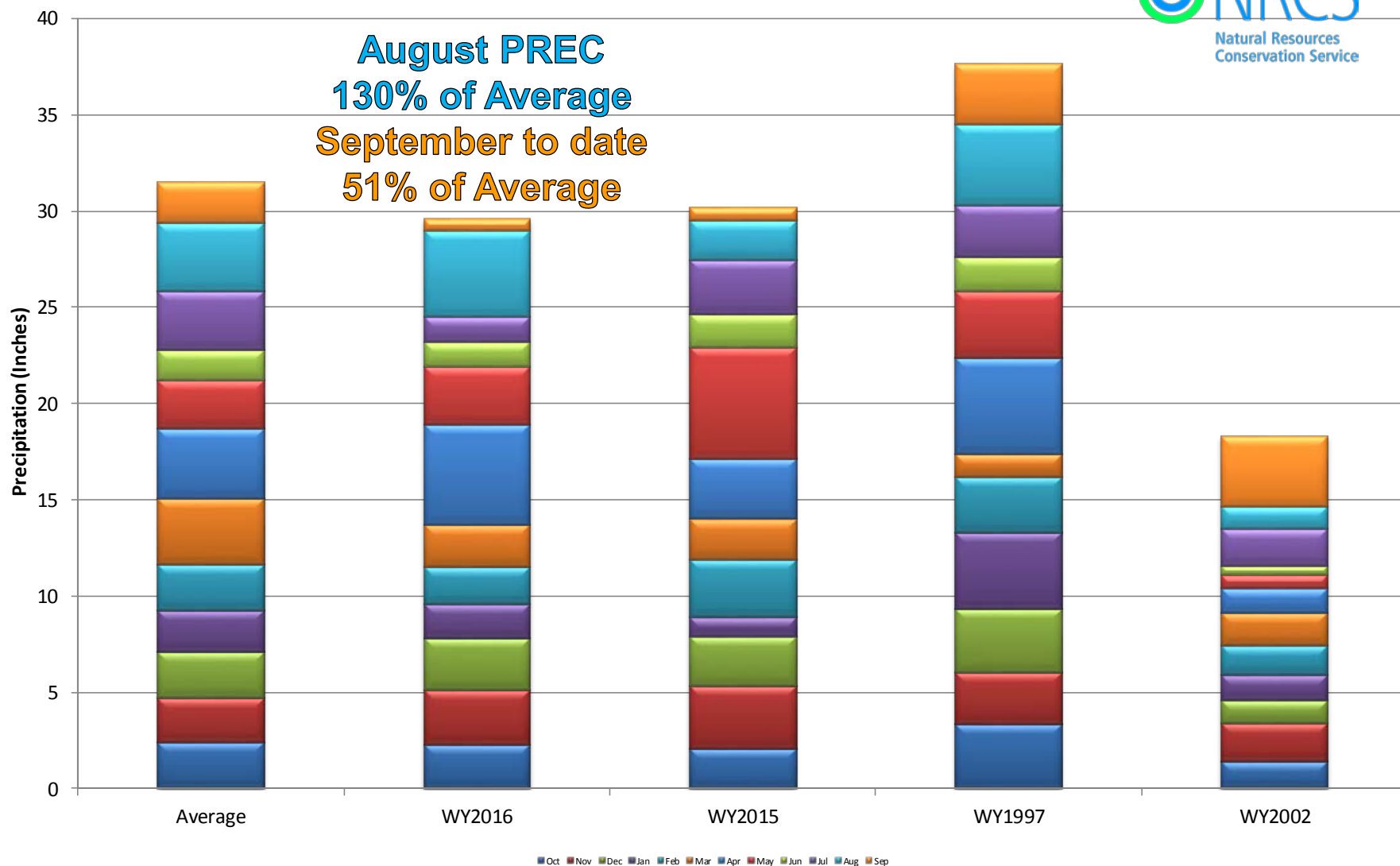


0 25 50 100 150 200 Miles



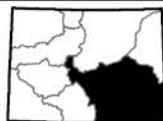
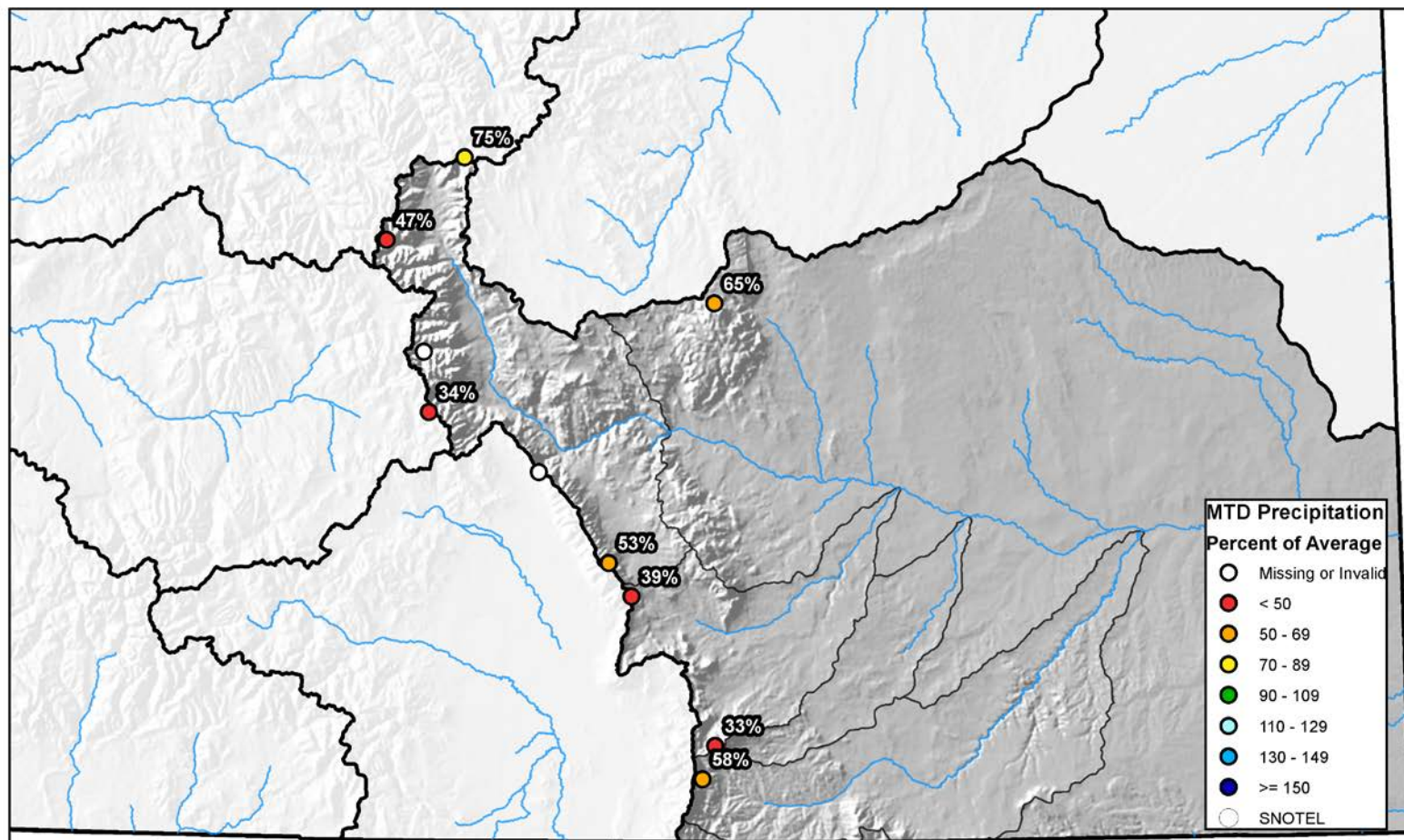
Arkansas River Basin High/Low Monthly Precipitation Summary

Based on Provisional SNOTEL data as of Sep 15, 2016



Arkansas River Basin Month to Date Precipitation Summary

Current as of Sep 15, 2016

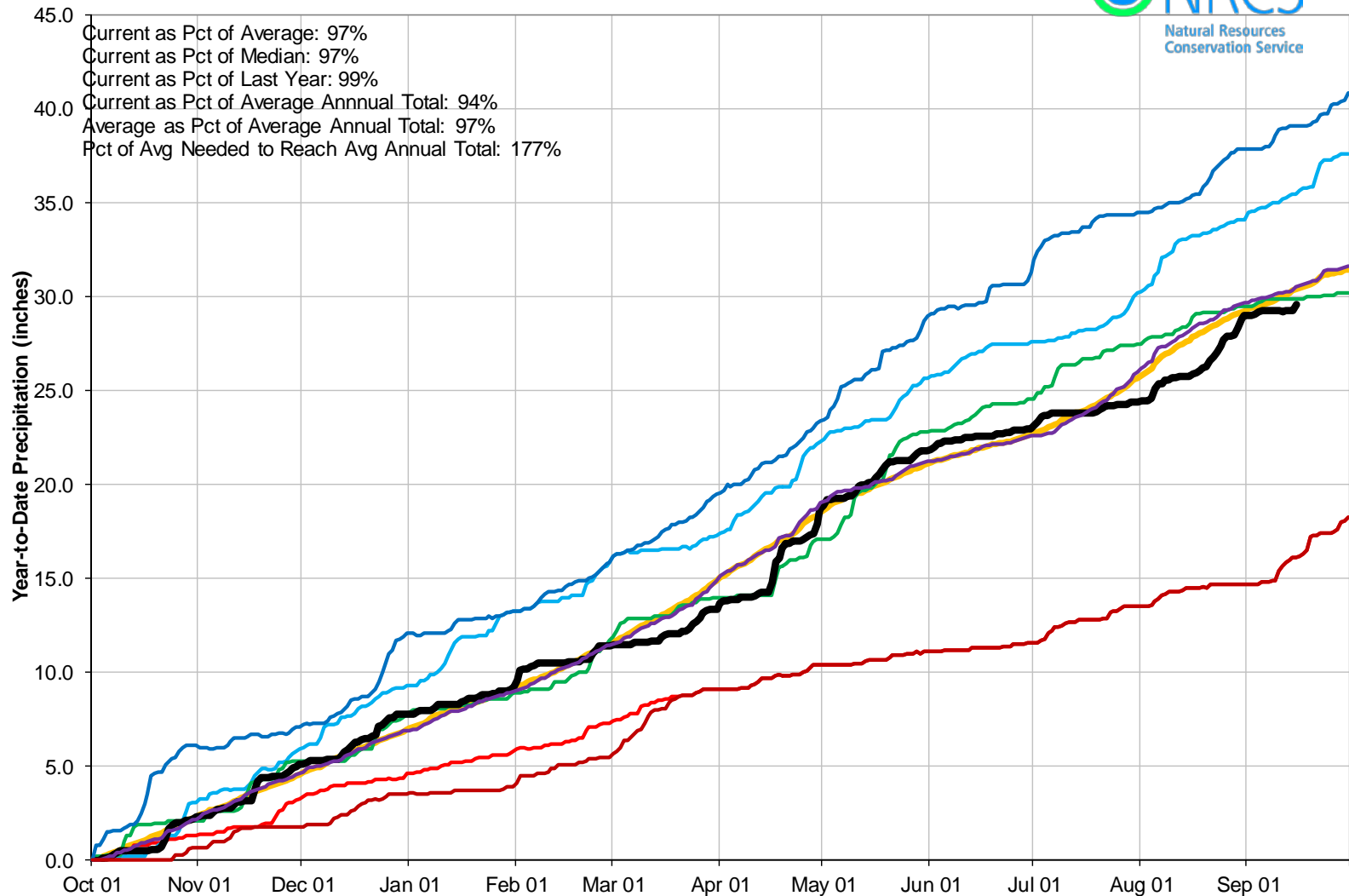


0 10 20 40 60 80 Miles

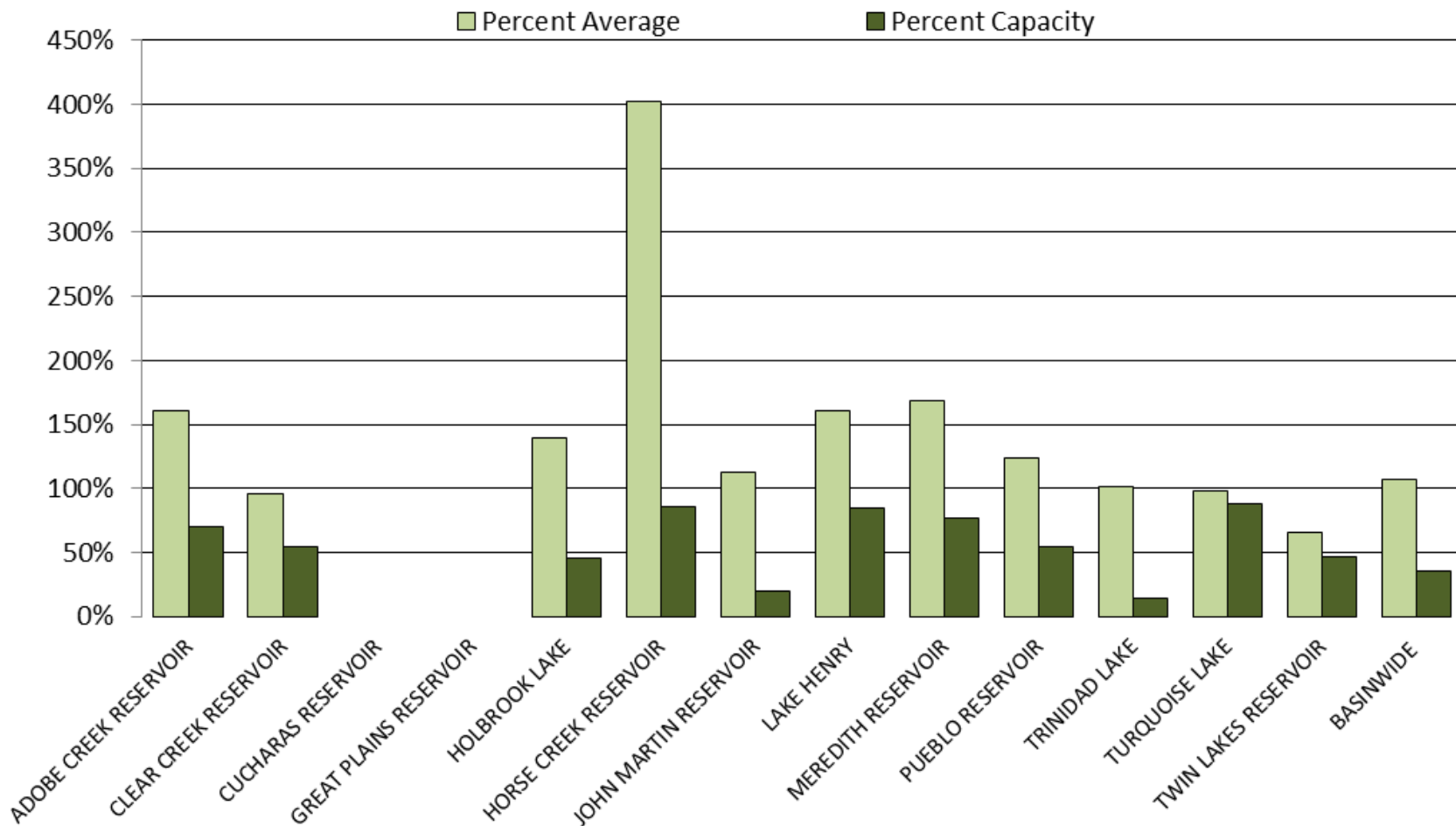


Arkansas River Basin High/Low Year-to-Date Precipitation Summary

Based on Provisional SNOTEL data as of Sep 15, 2016

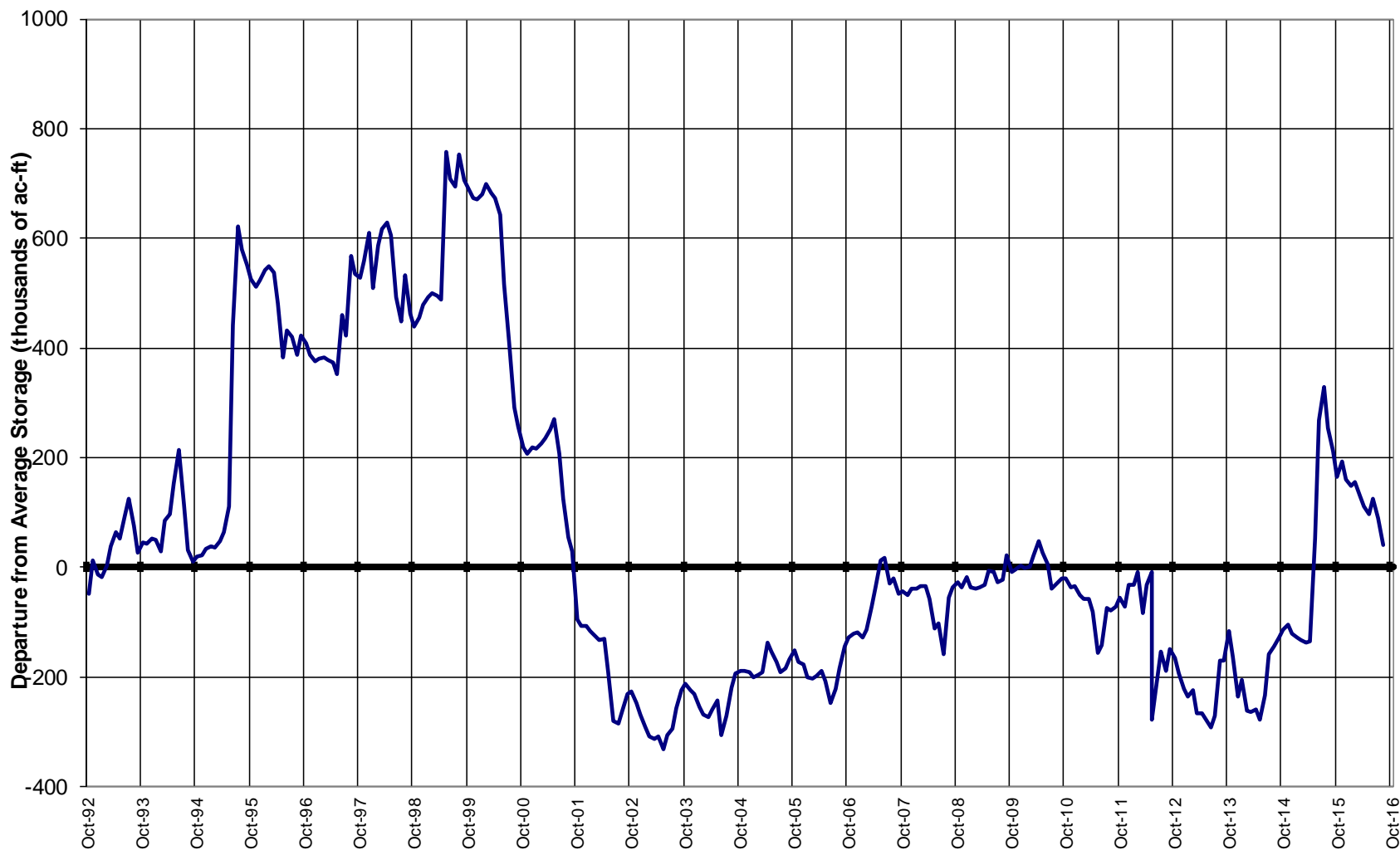


Reservoir Storage



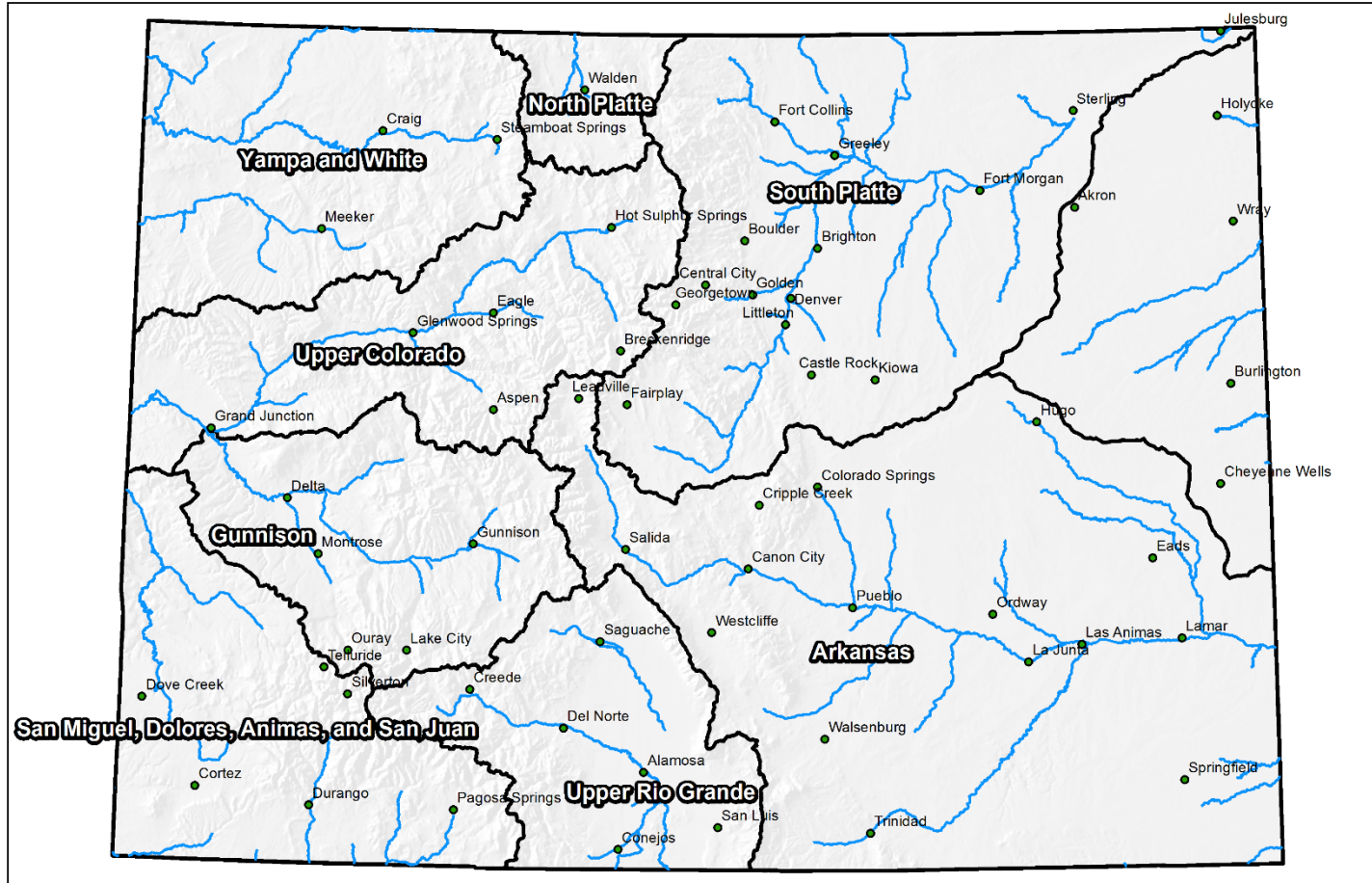


ARKANSAS RIVER BASIN Reservoir Storage Departure from Average



Colorado Statewide Summary

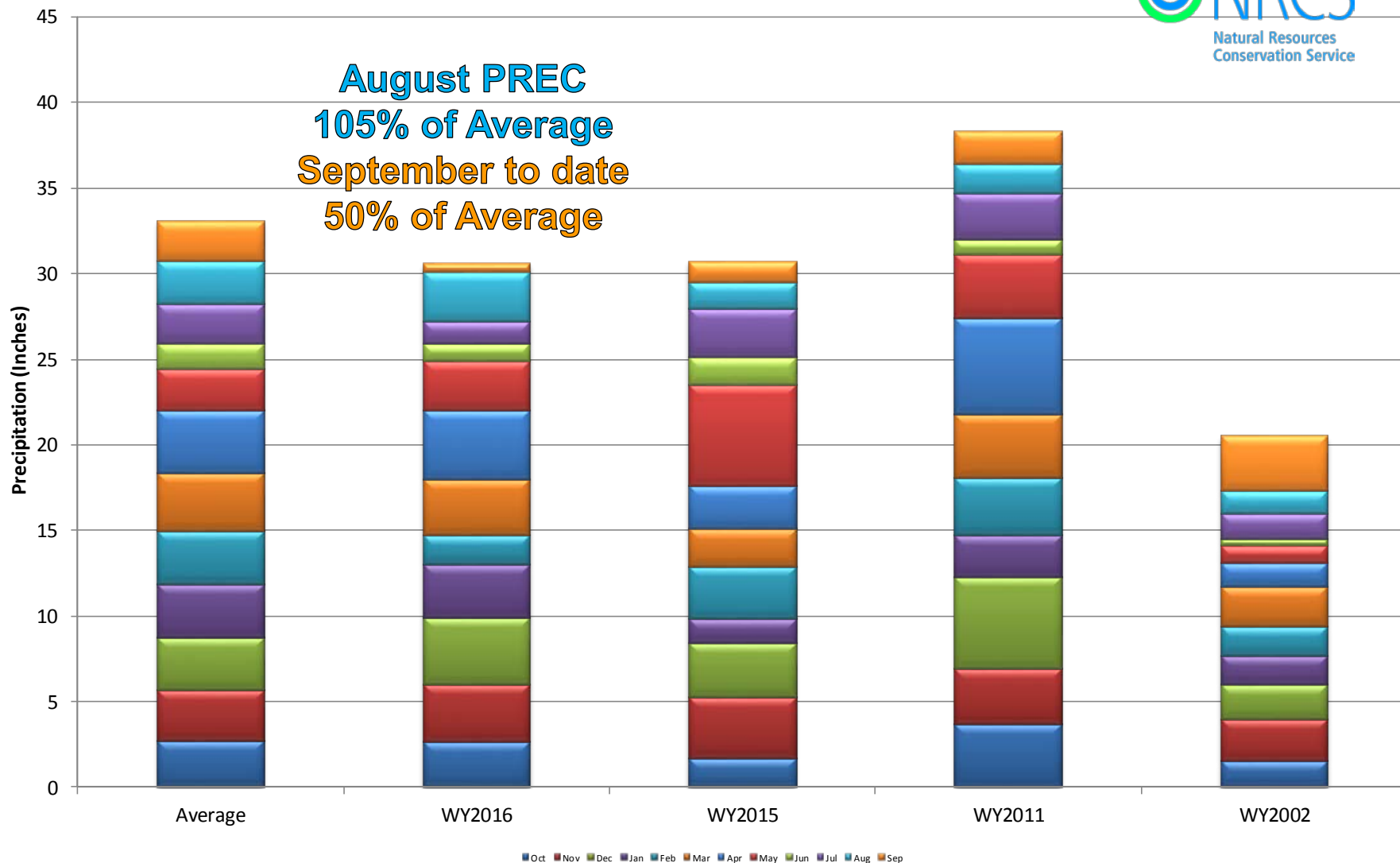
Colorado Major Basins



0 25 50 100 150 200 Miles

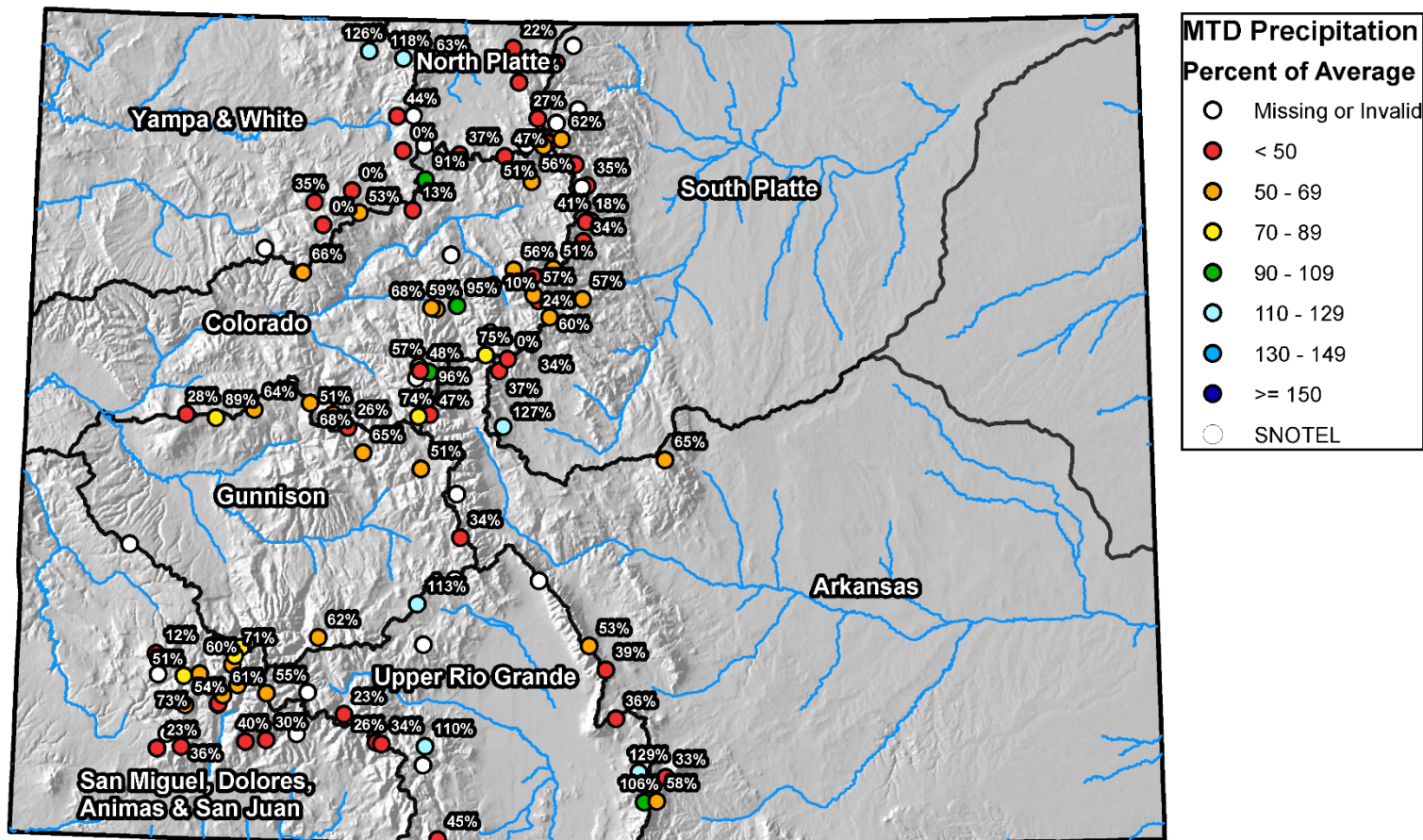
Colorado Statewide High/Low Monthly Precipitation Summary

Based on Provisional SNOTEL data as of Sep 15, 2016



Colorado SNOTEL Month-to-Date Precipitation

Current as of Sep 15, 2016

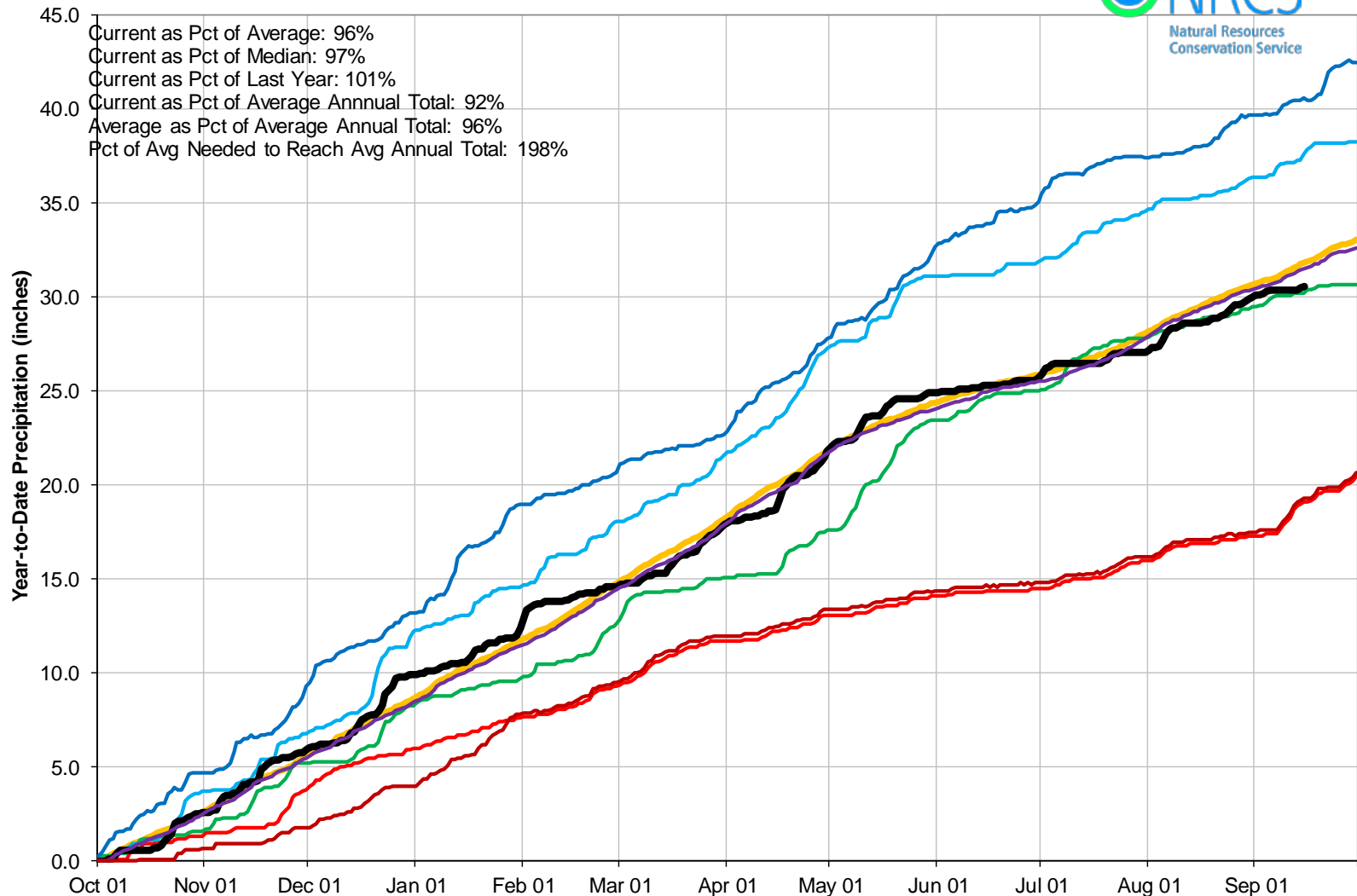


0 25 50 100 150 200 Miles



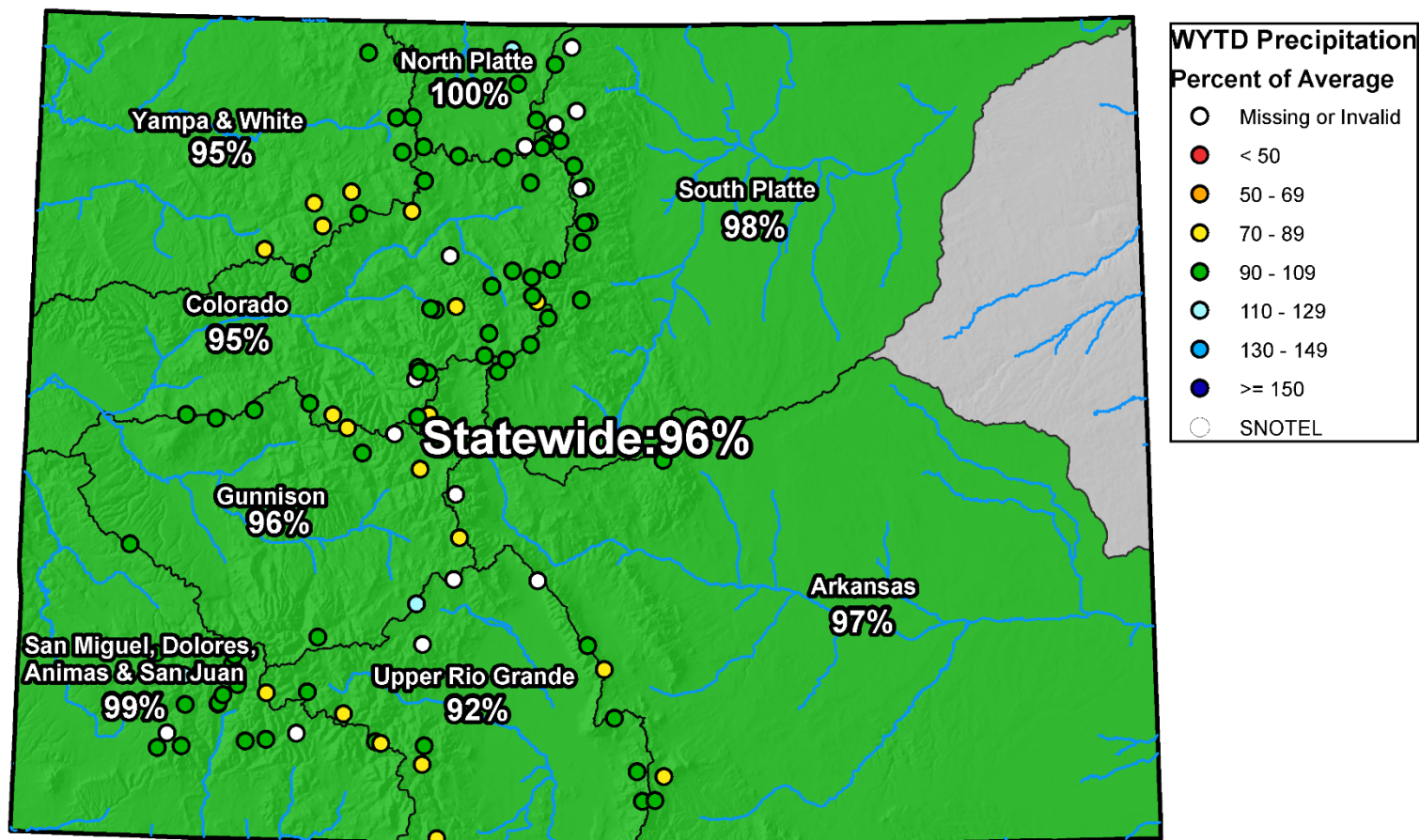
Colorado Statewide High/Low Year-to-Date Precipitation Summary

Based on Provisional SNOTEL data as of Sep 15, 2016



Colorado SNOTEL Water Year to Date Precipitation

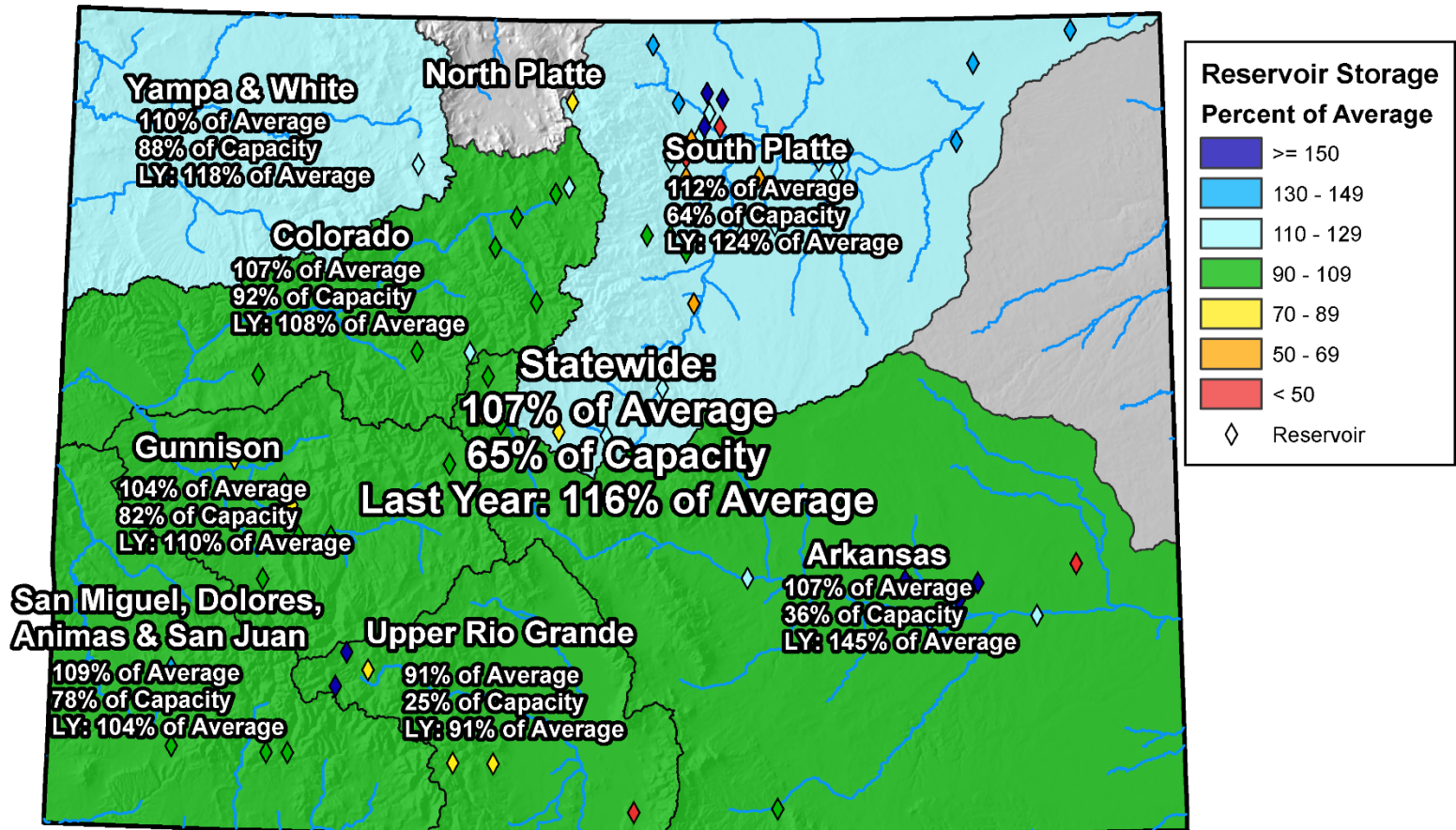
Current as of Sep 15, 2016



0 25 50 100 150 200 Miles

Colorado Monthly Reservoir Storage Summary

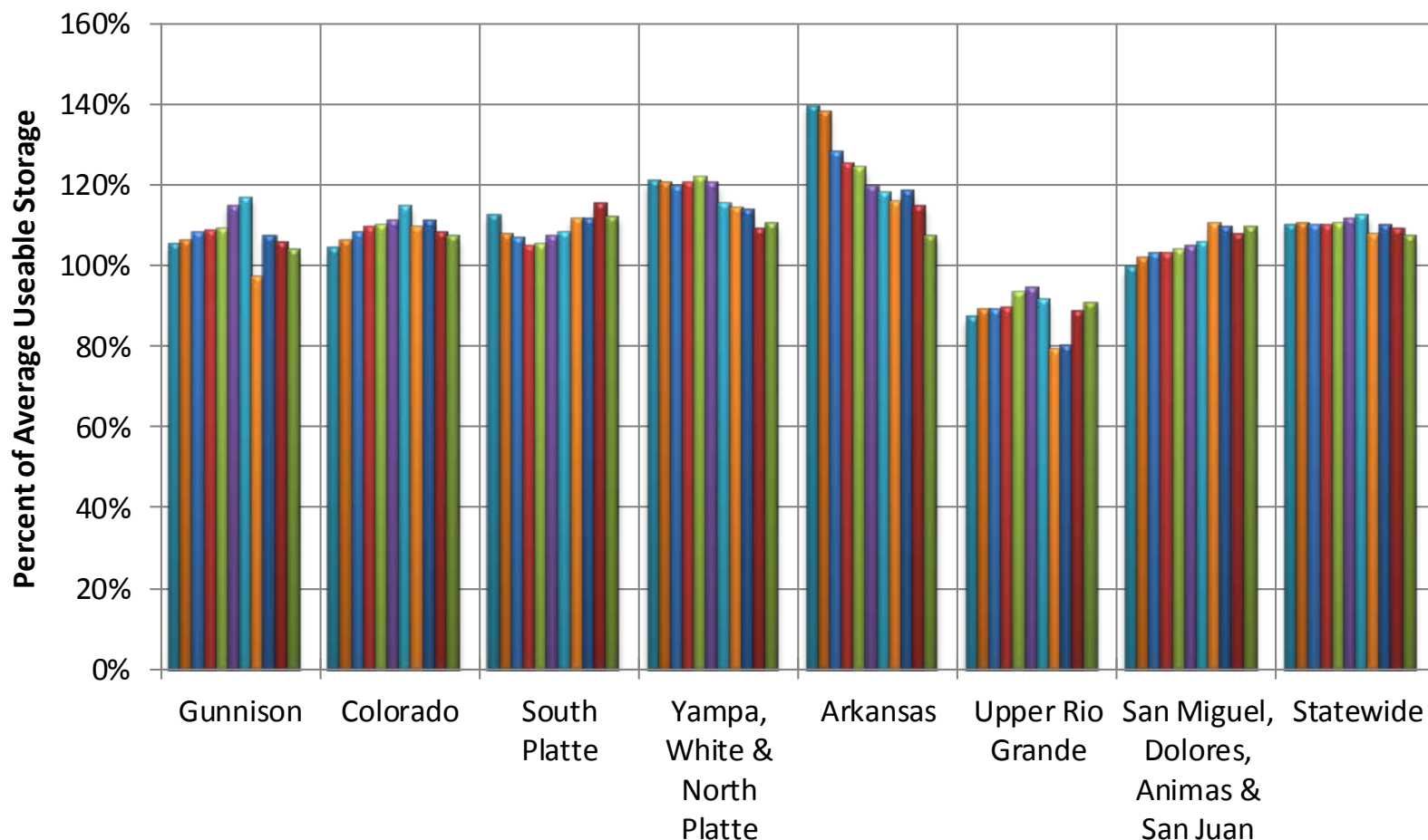
End of August 2016



0 25 50 100 150 200 Miles

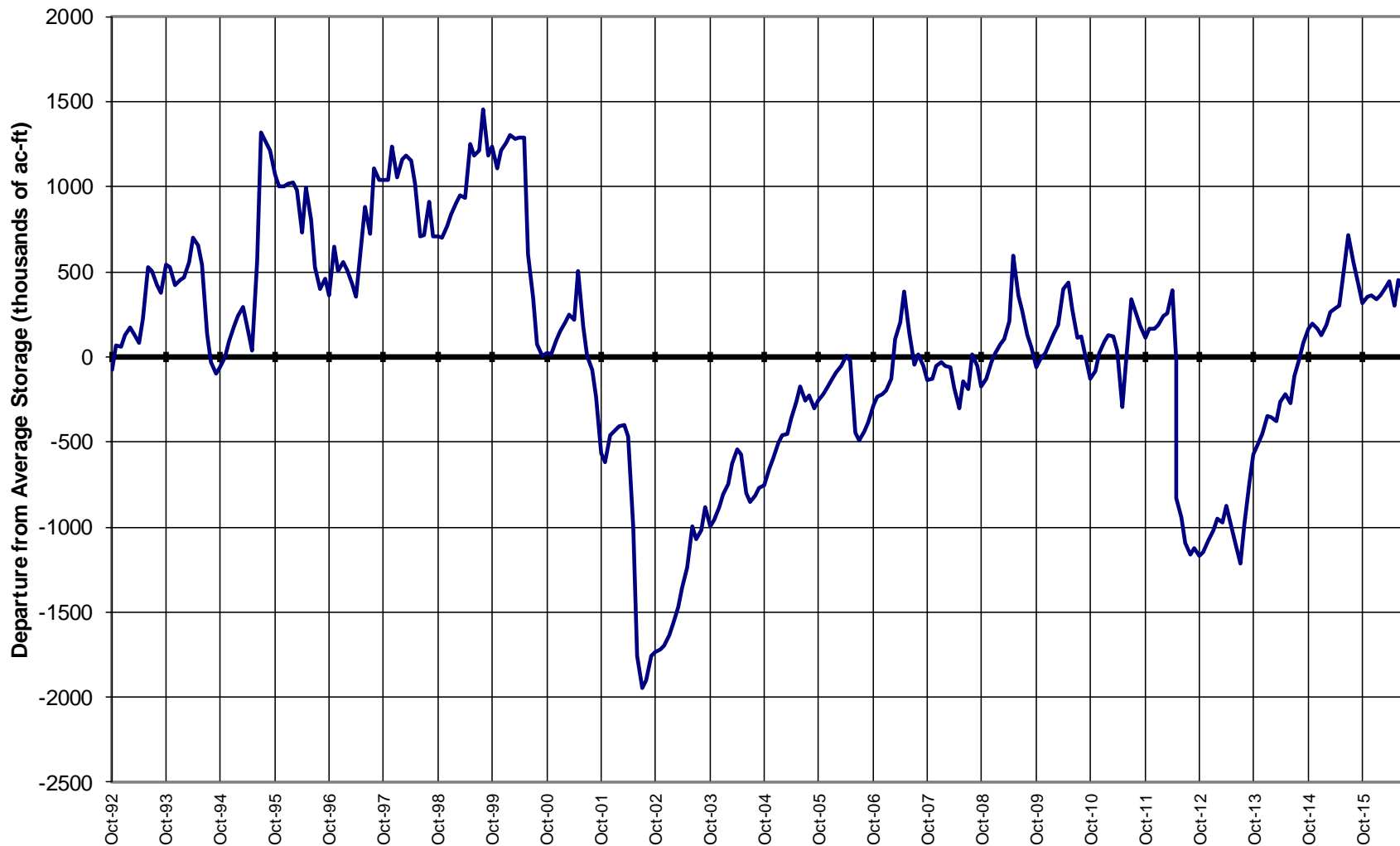
Colorado Reservoir Storage

Oct-15 Nov-15 Dec-15 Jan-16 Feb-16 Mar-16
 Apr-16 May-16 Jun-16 Jul-16 Aug-16 Sep-16





COLORADO STATEWIDE Reservoir Storage Departure from Average

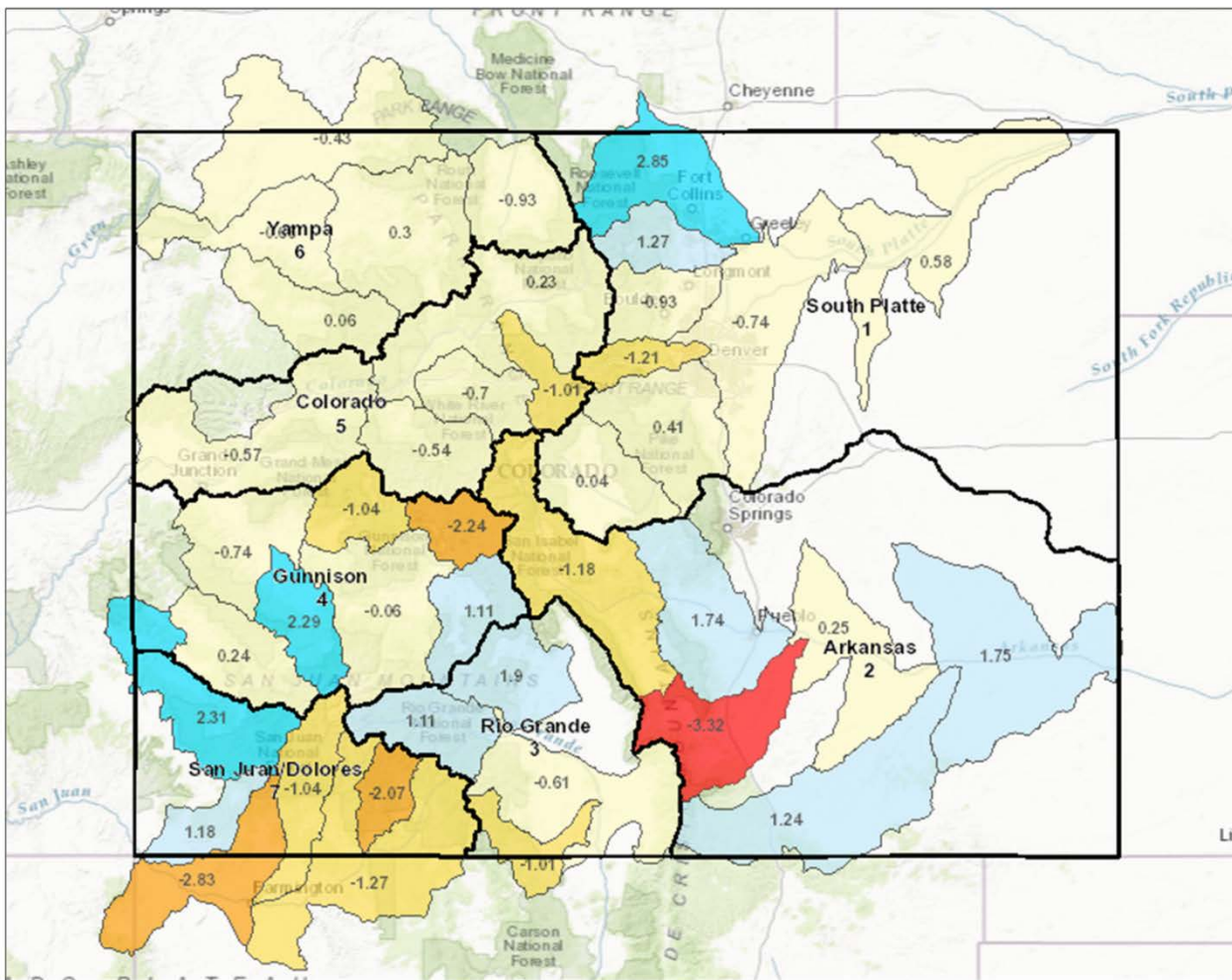




CDSS

Colorado's Decision Support Systems

Map Viewer



Legend

☐ Division

SWSI - Current (August 2016)

SWSI Not Applicable (-99.99)

Extremely Dry (-3.0 - -4.2)

Moderately Dry (-2.0 to -2.9)

Slightly Dry (-1.0 to -1.9)

Near Average (-0.9 to 0.9)

Slightly Wet (1.0 to 1.9)

Moderately Wet (2.0 to 2.9)

Extremely Wet (3.0 to 4.2)

Citations

Location

Notes

113.39 0 56.7 113.39 Miles

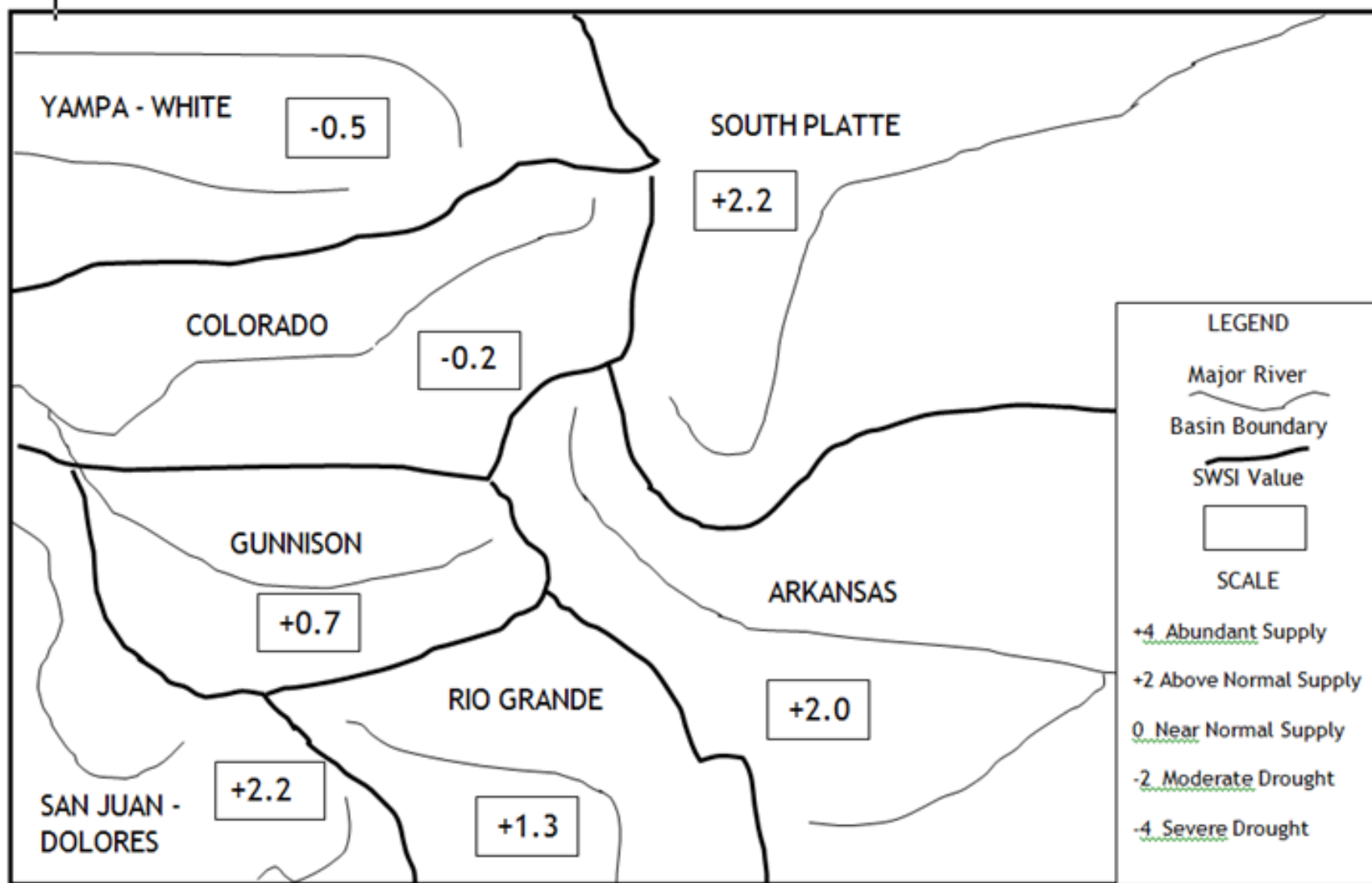
1: 3,592,220



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Date Prepared: 8/17/2016 9:55:37 AM

SURFACE WATER SUPPLY INDEX FOR COLORADO BY MAJOR RIVER BASIN



September 1, 2016

Summary

- Several dustings of snow have occurred above treeline over the last month
- August precipitation was near normal averaged across the state but was highly spatially variable
- September-to-date precipitation has been well below average across the state
- Statewide we have remained at near normal WY precip
Reservoirs statewide remain in relatively good standing at 107% of normal, just 2% below last month
- SWSI's seem to have increased substantially in the South Platte and Southwest Colorado
- Colorado's newest SNOTEL site is up and running in the Yampa Basin, near the divide of the Upper Yampa and Little Snake Rivers



United States Department of Agriculture

Colorado Snow Surveys

Water Availability Task Force Meeting

September 16th, 2016

NRCS Snow Survey and Water Supply Forecasting Program

Karl Wetlaufer

Hydrologist

720-544-2853

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