



United States Department of Agriculture

Colorado Snow Surveys

Water Availability Task Force Meeting

May 25th, 2016

NRCS Snow Survey and Water Supply Forecasting Program

Karl Wetlaufer

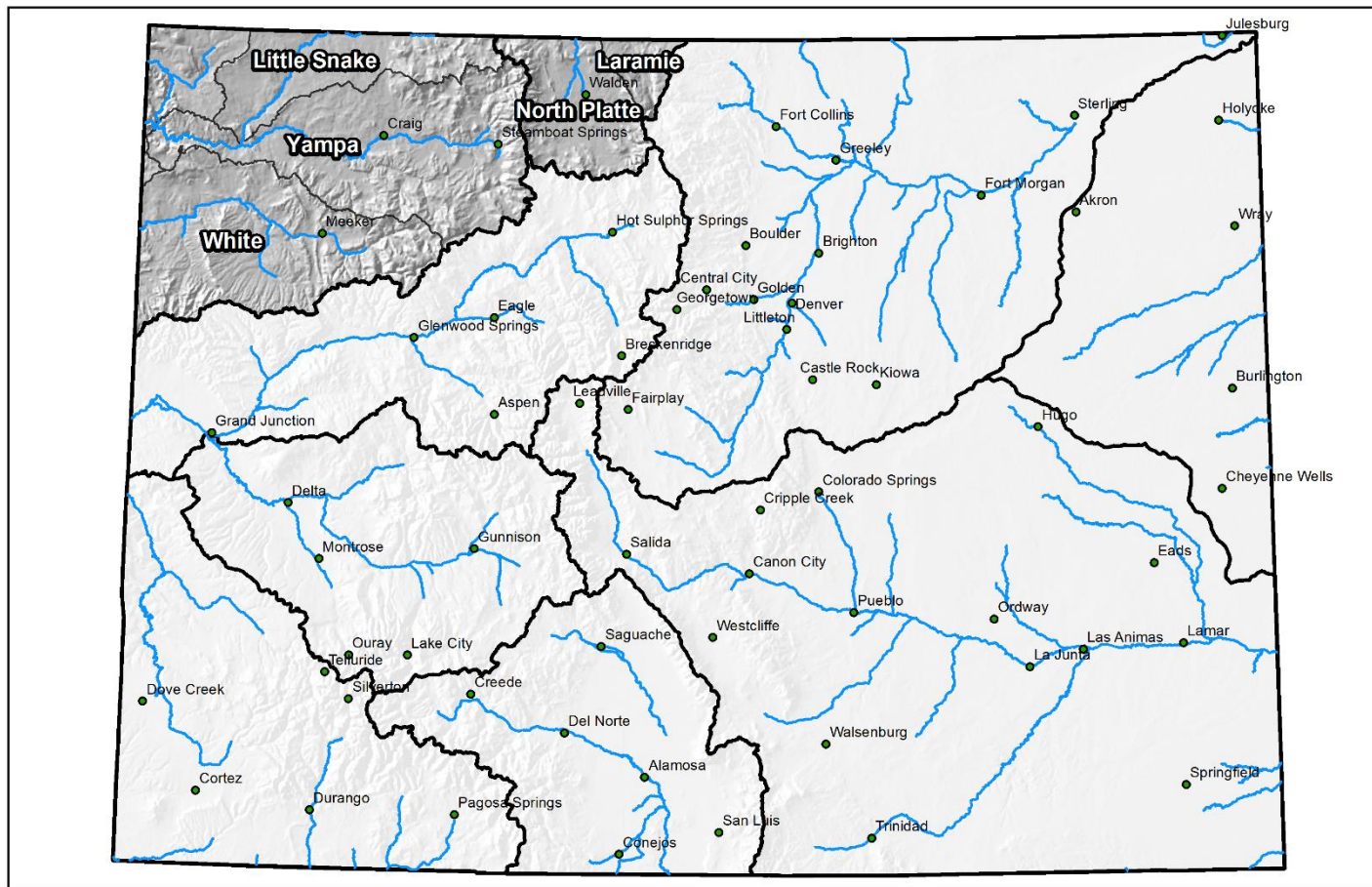
Hydrologist

720-544-2853

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

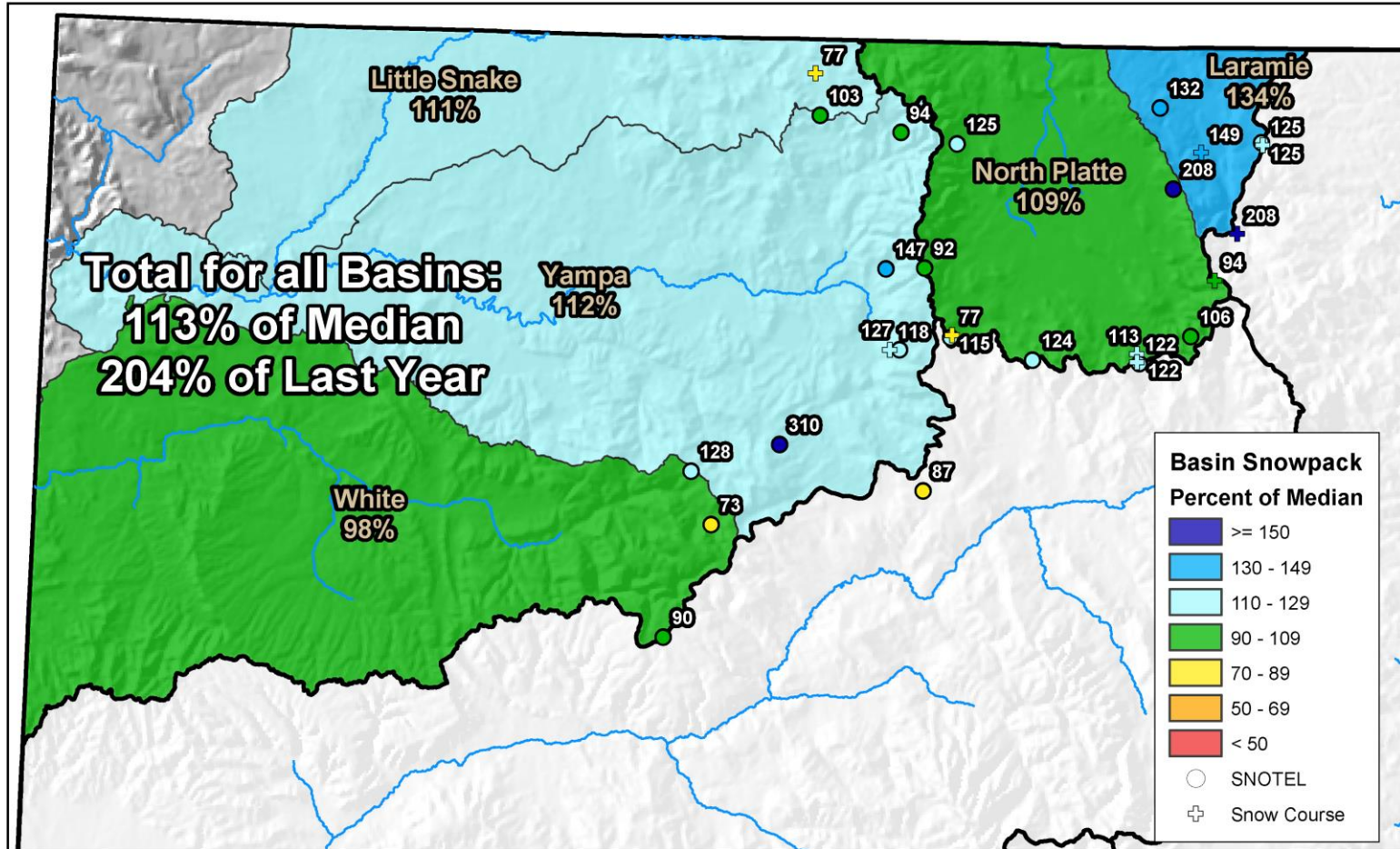
Major Basin Summary

Yampa, White, and North Platte River Basins



0 25 50 100 150 200 Miles

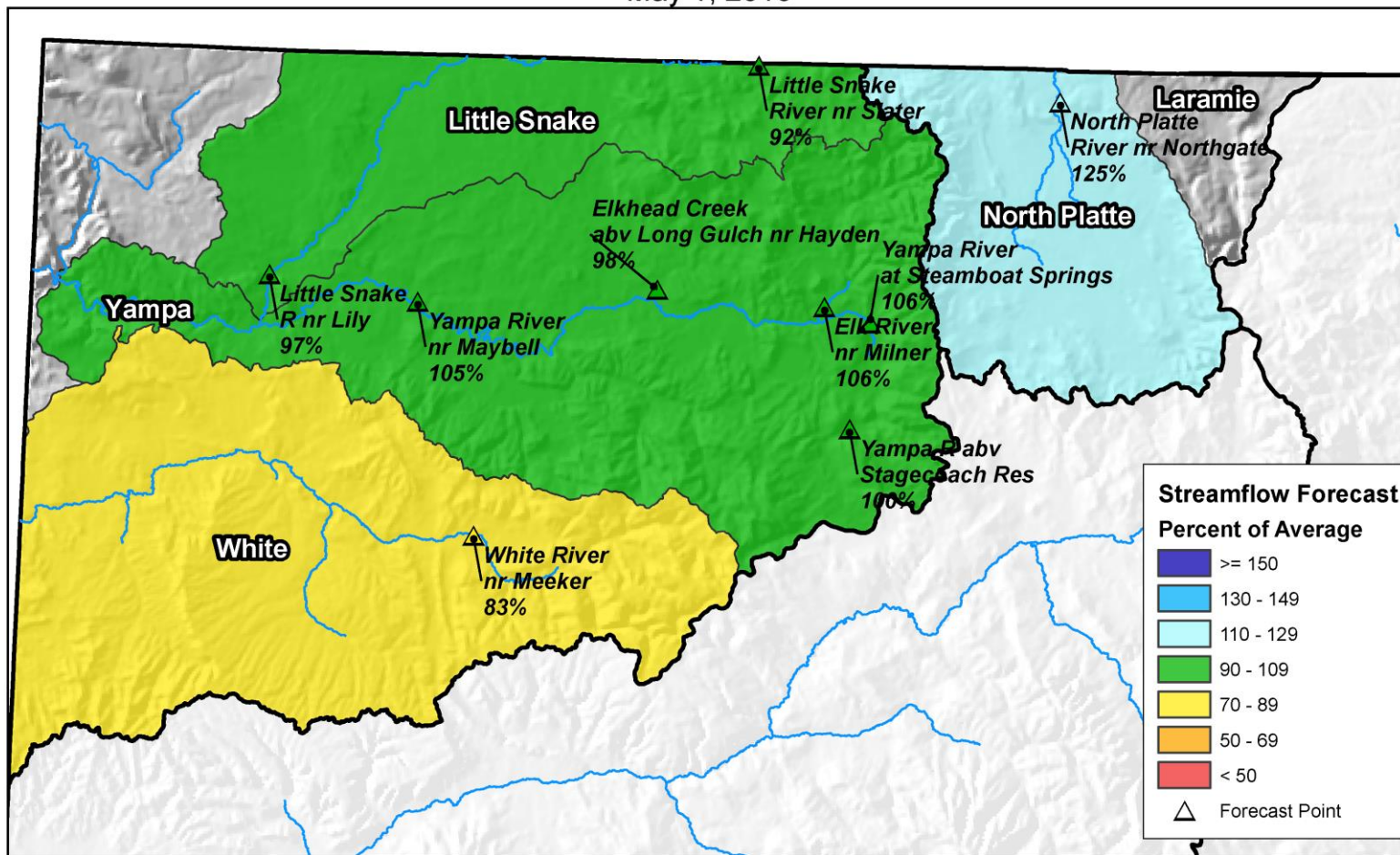
Yampa, White, and North Platte River Basins Monthly Snowpack Summary May 1, 2016



0 10 20 40 60 80 Miles

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

May 1, 2016

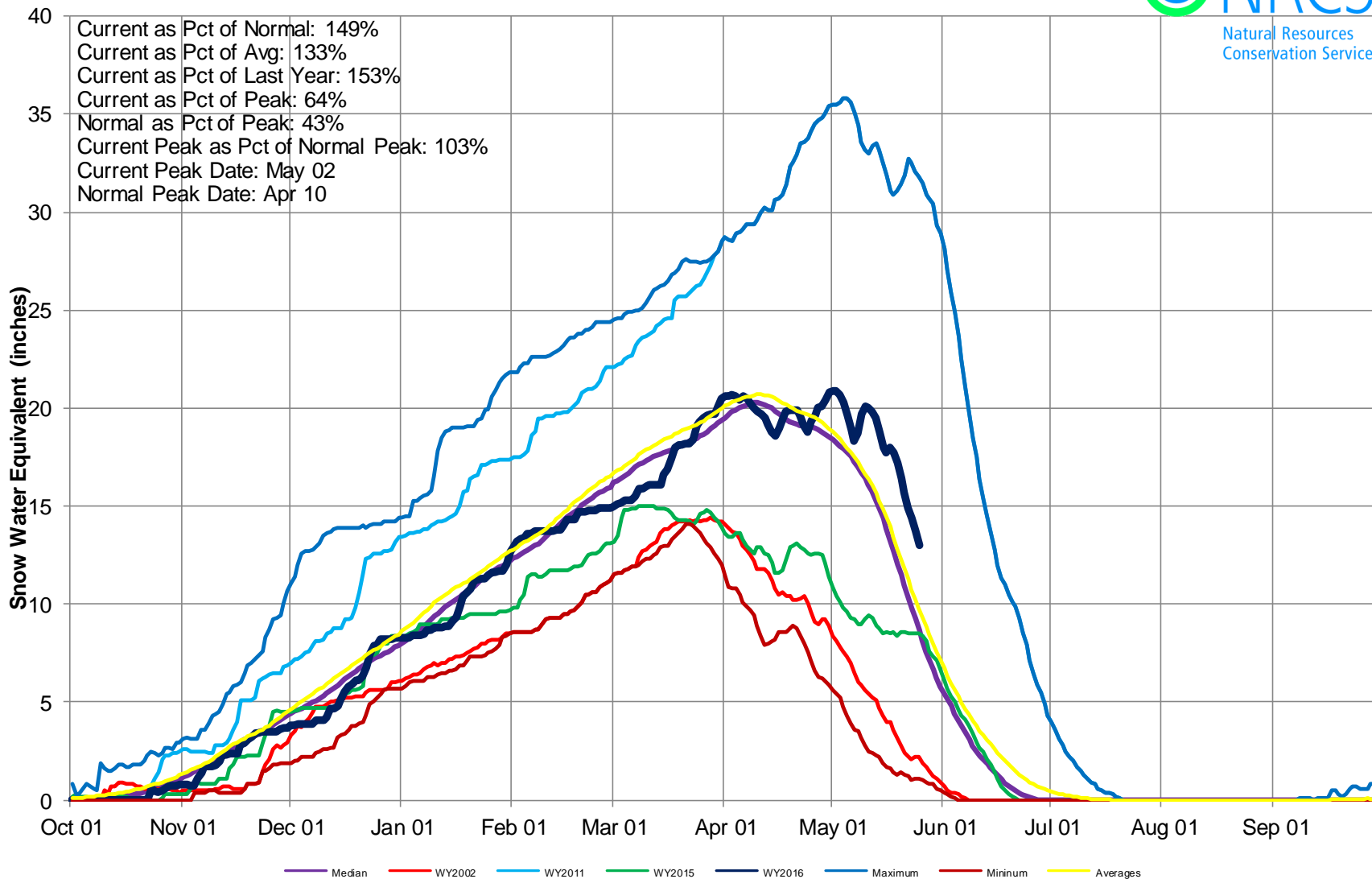


0 10 20 40 60 80 Miles

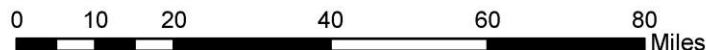
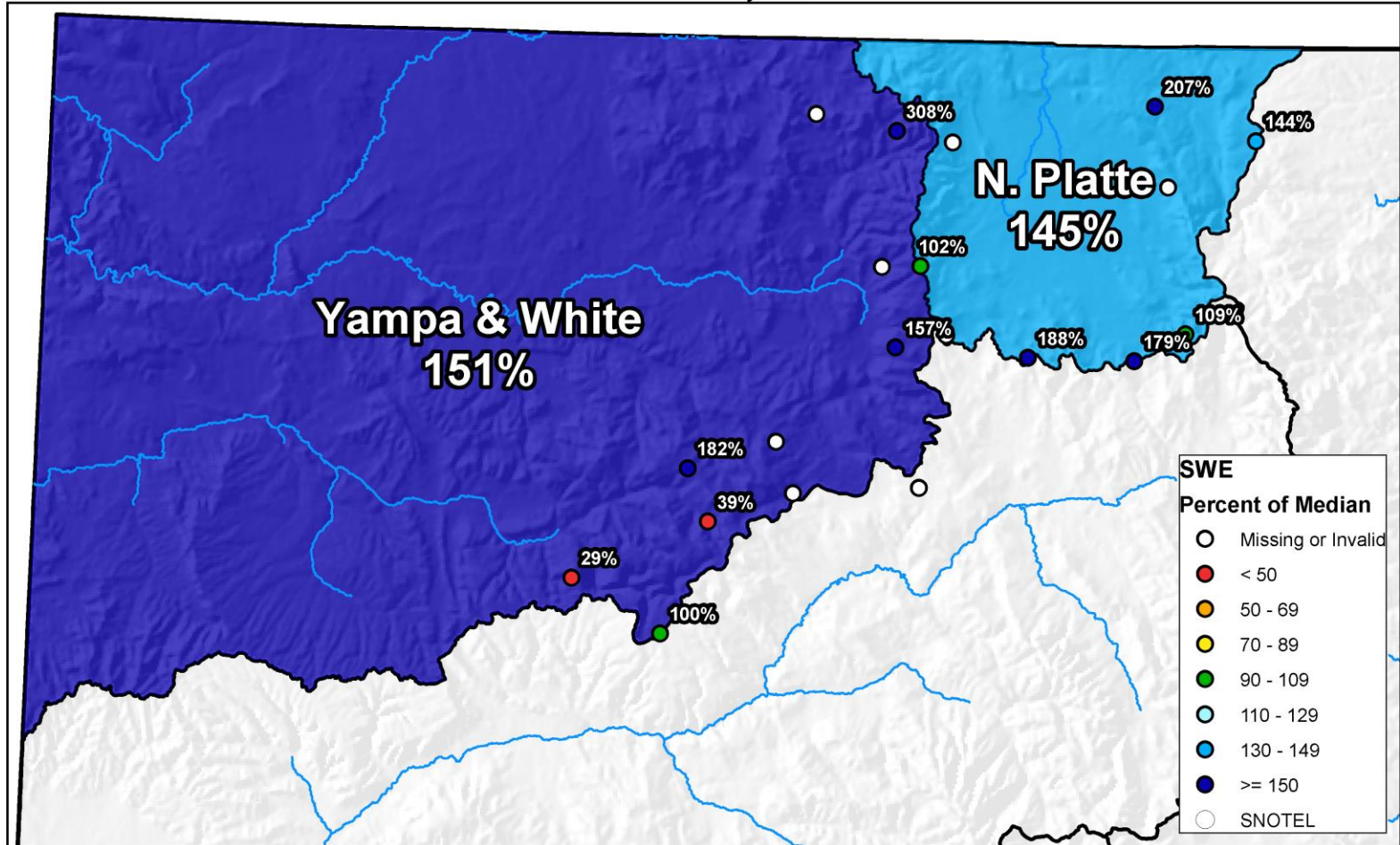


Yampa, White & North Platte River Basins High/Low Snowpack Summary

Based on Provisional SNOTEL data as of May 25, 2016

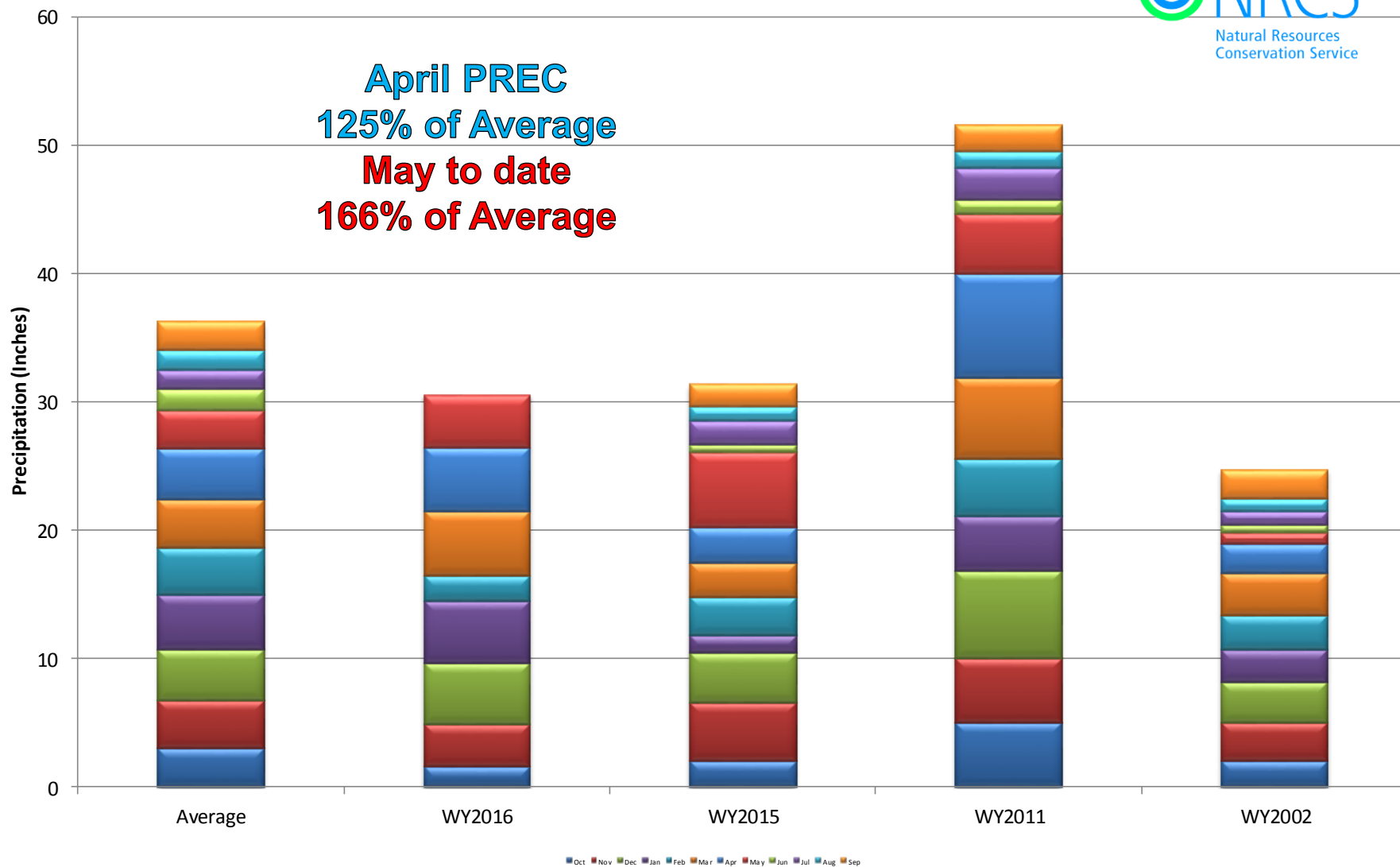


Yampa, White, and North Platte River Basins Snow Water Equivalent (SWE) Summary Current as of May 25, 2016



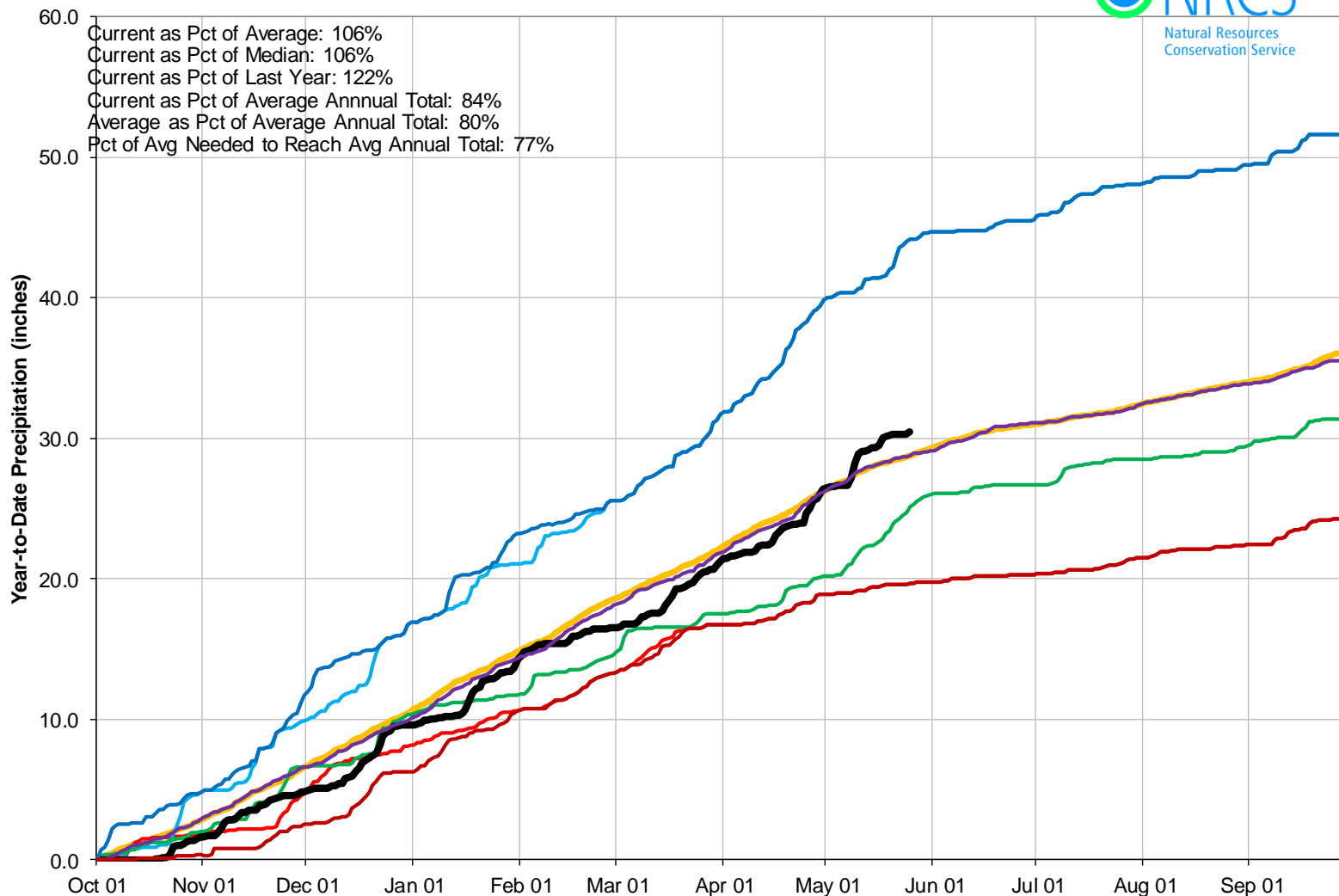
Yampa & White River Basins High/Low Monthly Precipitation Summary

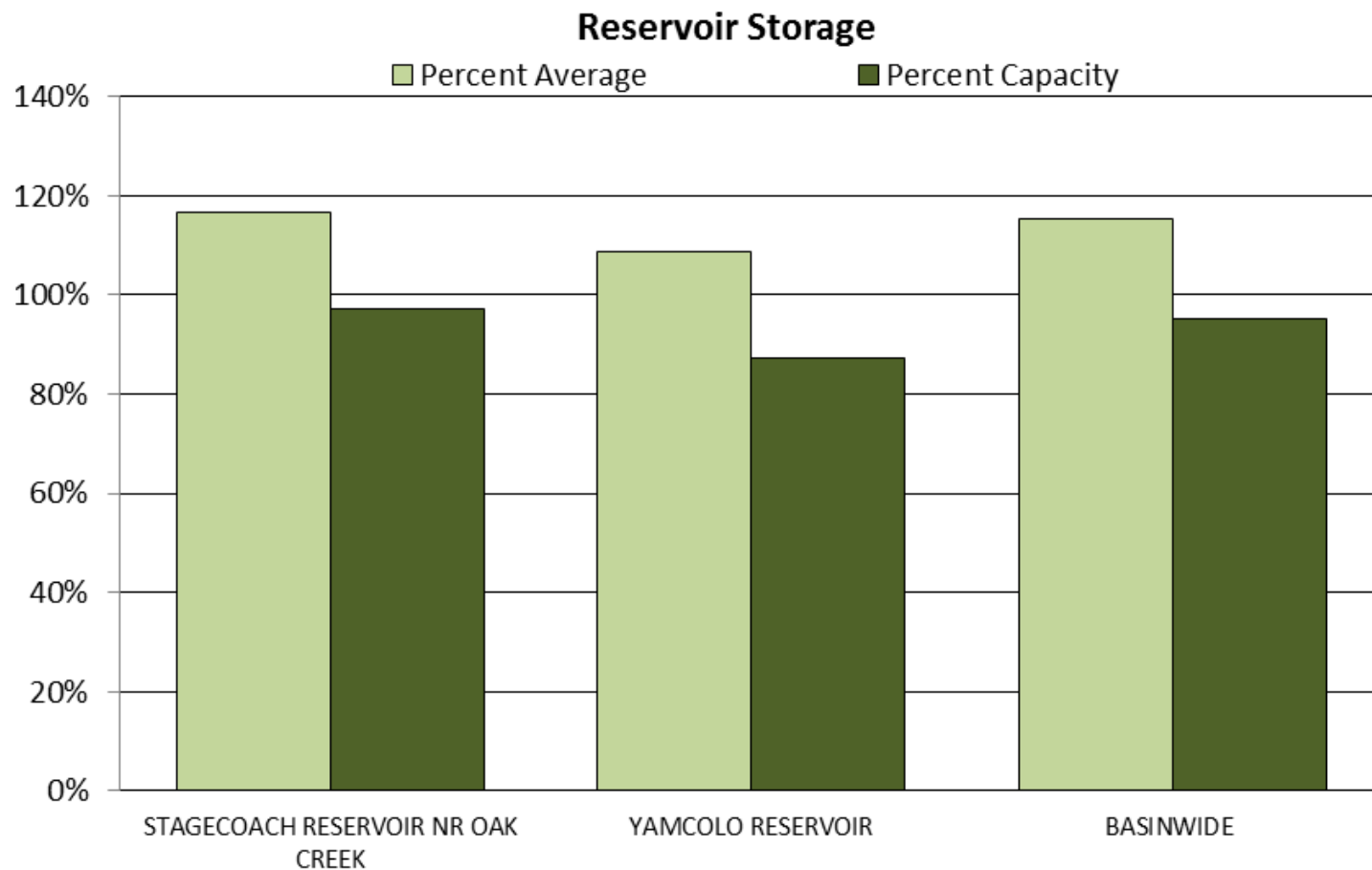
Based on Provisional SNOTEL data as of May 25, 2016



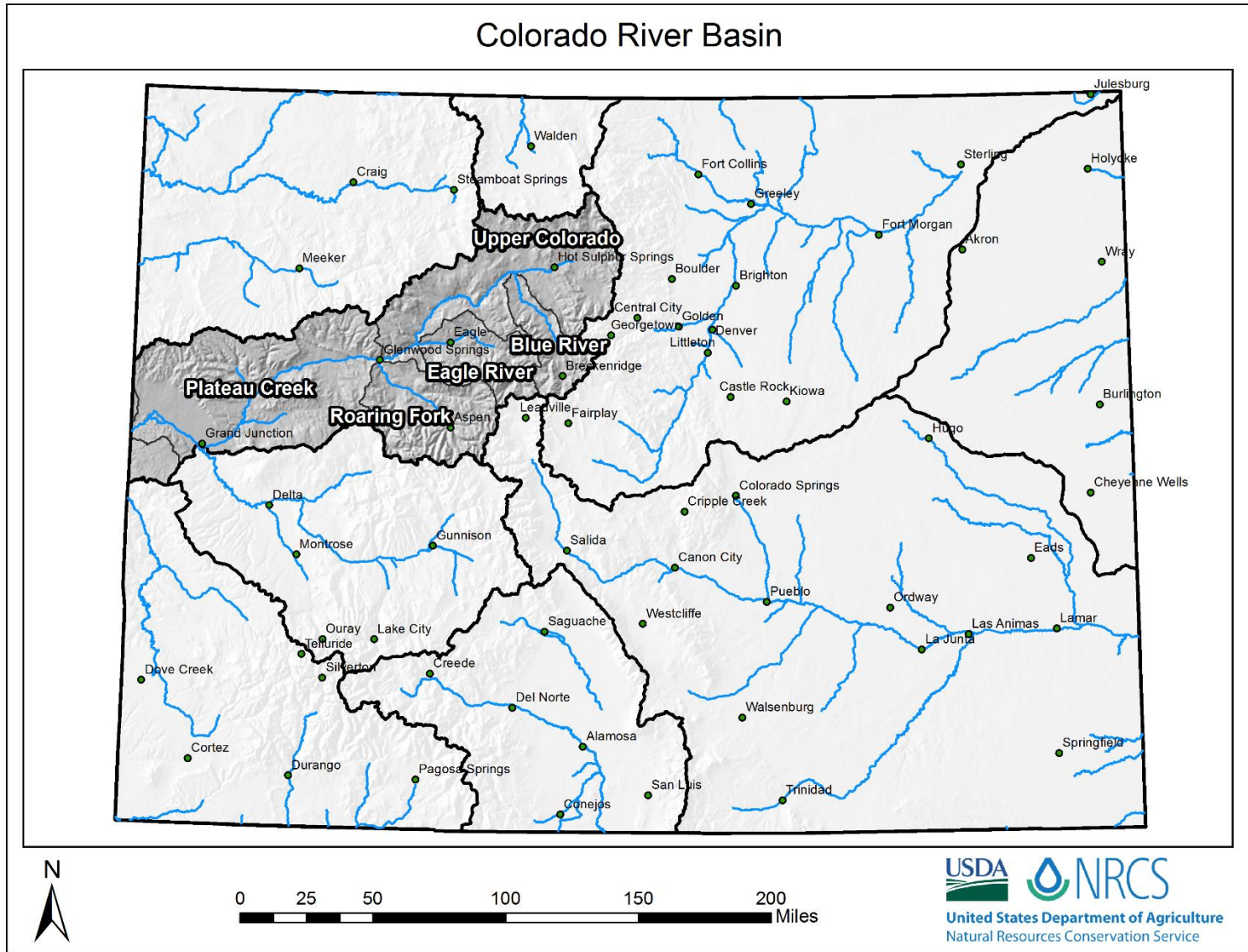
Yampa & White River Basins High/Low Year-to-Date Precipitation Summary

Based on Provisional SNOTEL data as of May 25, 2016

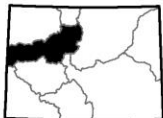
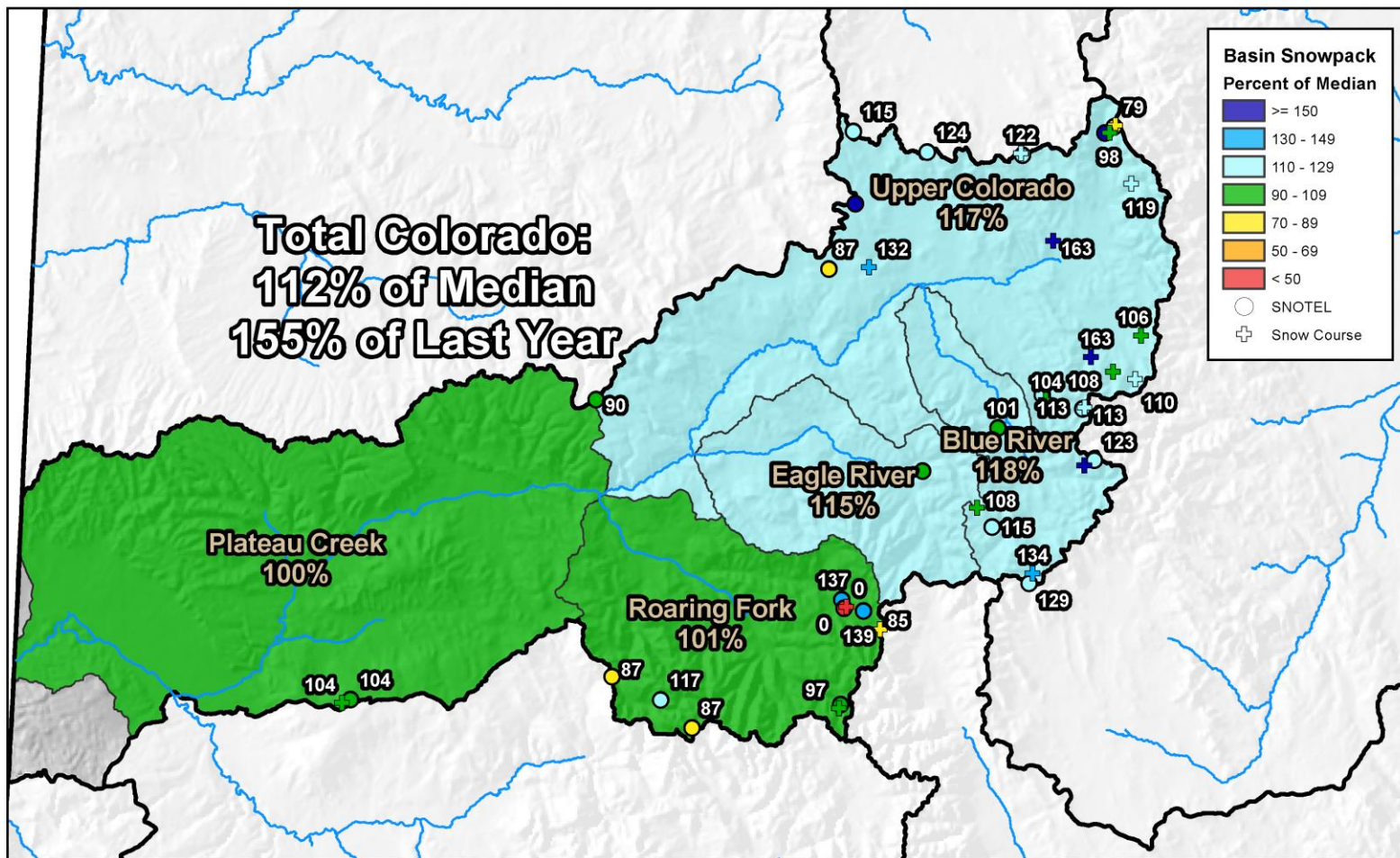




Major Basin Summary



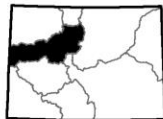
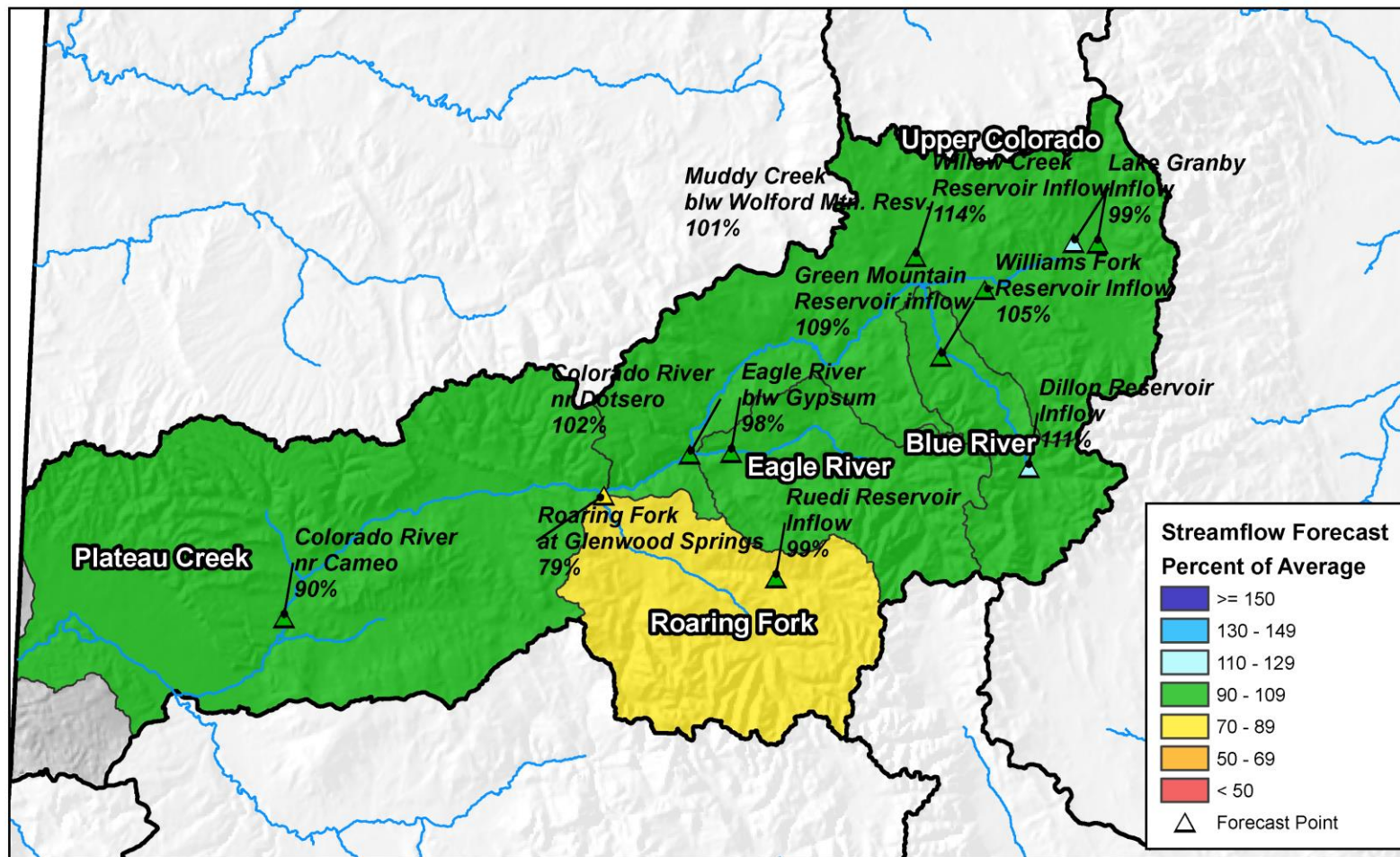
Upper Colorado River Basin Monthly Snowpack Summary May 1, 2016



0 10 20 40 60 80 Miles

Upper Colorado River Basin Streamflow Forecast Summary

May 1, 2016

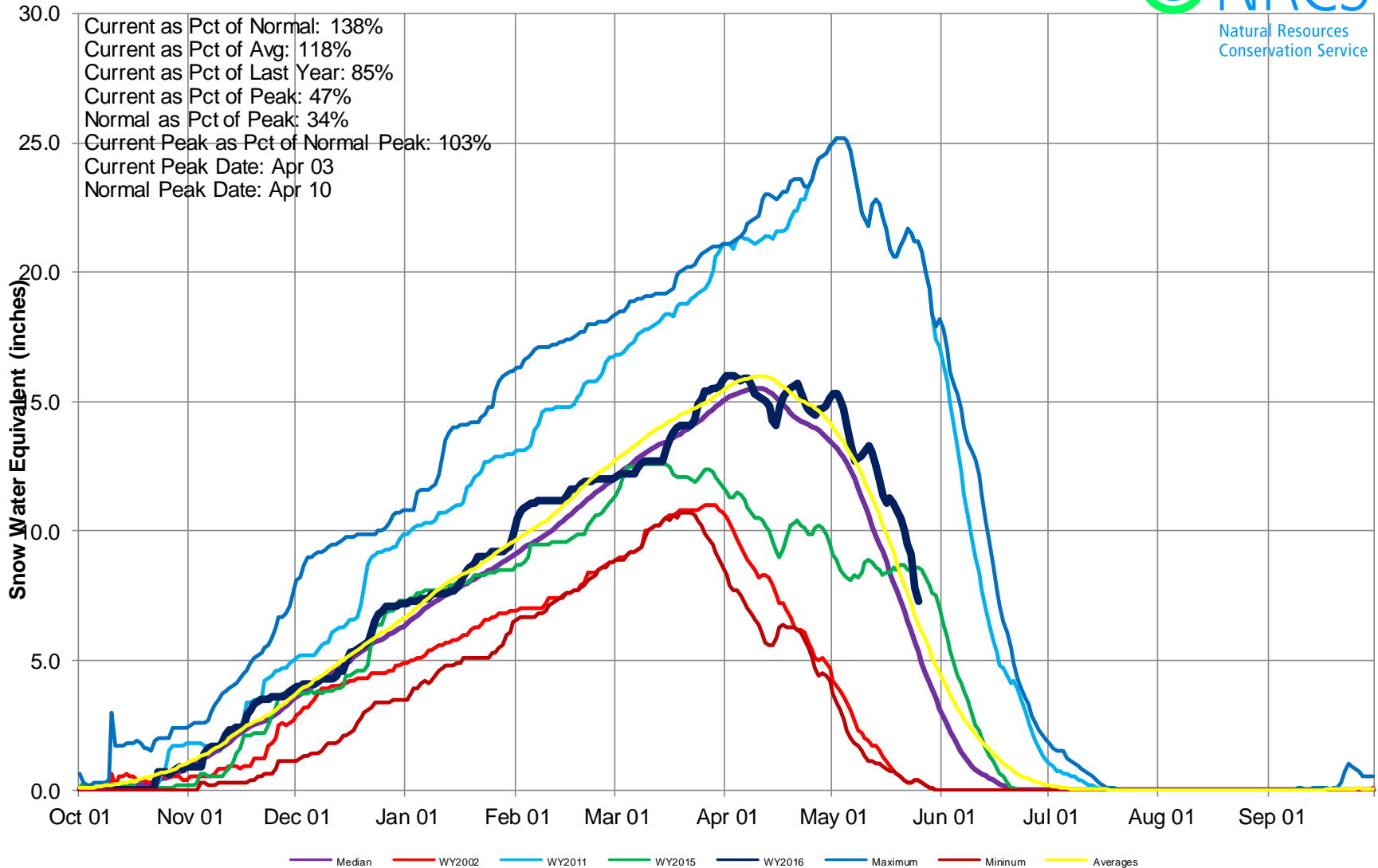


0 10 20 40 60 80 Miles



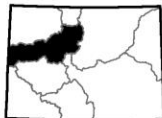
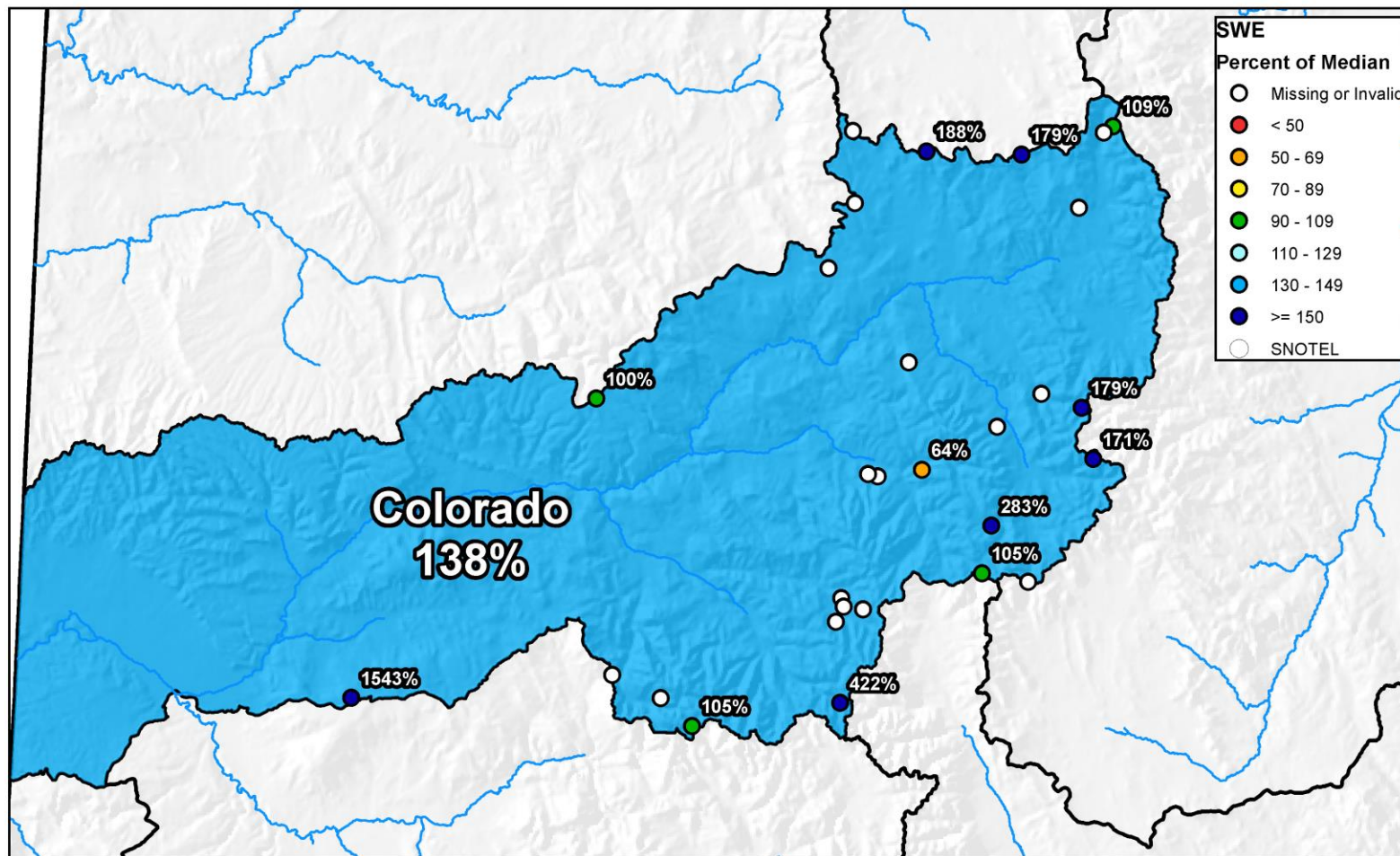
Upper Colorado River Basin High/Low Snowpack Summary

Based on Provisional SNOTEL data as of May 25, 2016



Upper Colorado River Basin Snow Water Equivalent (SWE) Summary

Current as of May 25, 2016



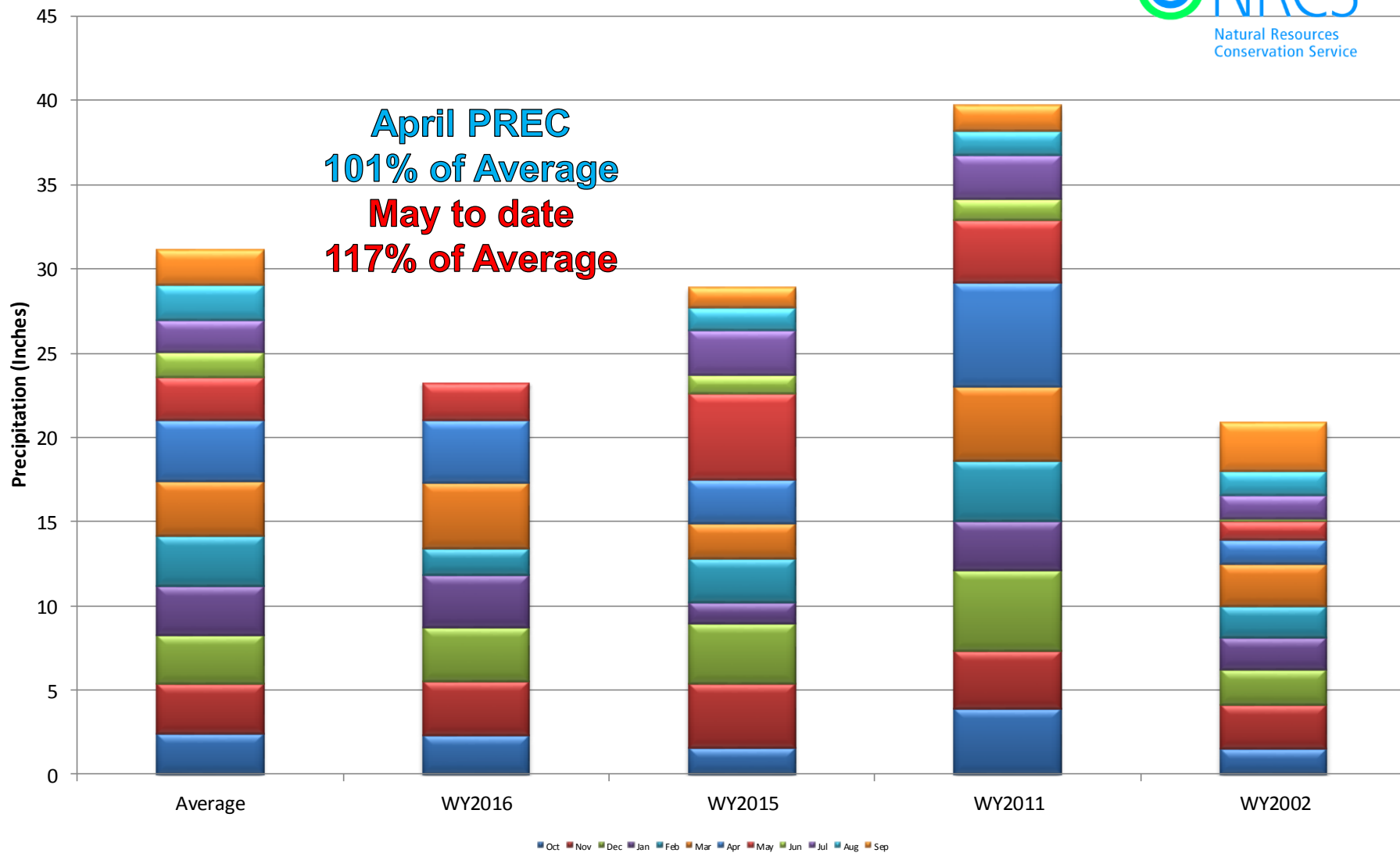
0 10 20 40 60 80 Miles

Upper Colorado River Basin High/Low Monthly Precipitation Summary

Based on Provisional SNOTEL data as of May 25, 2016

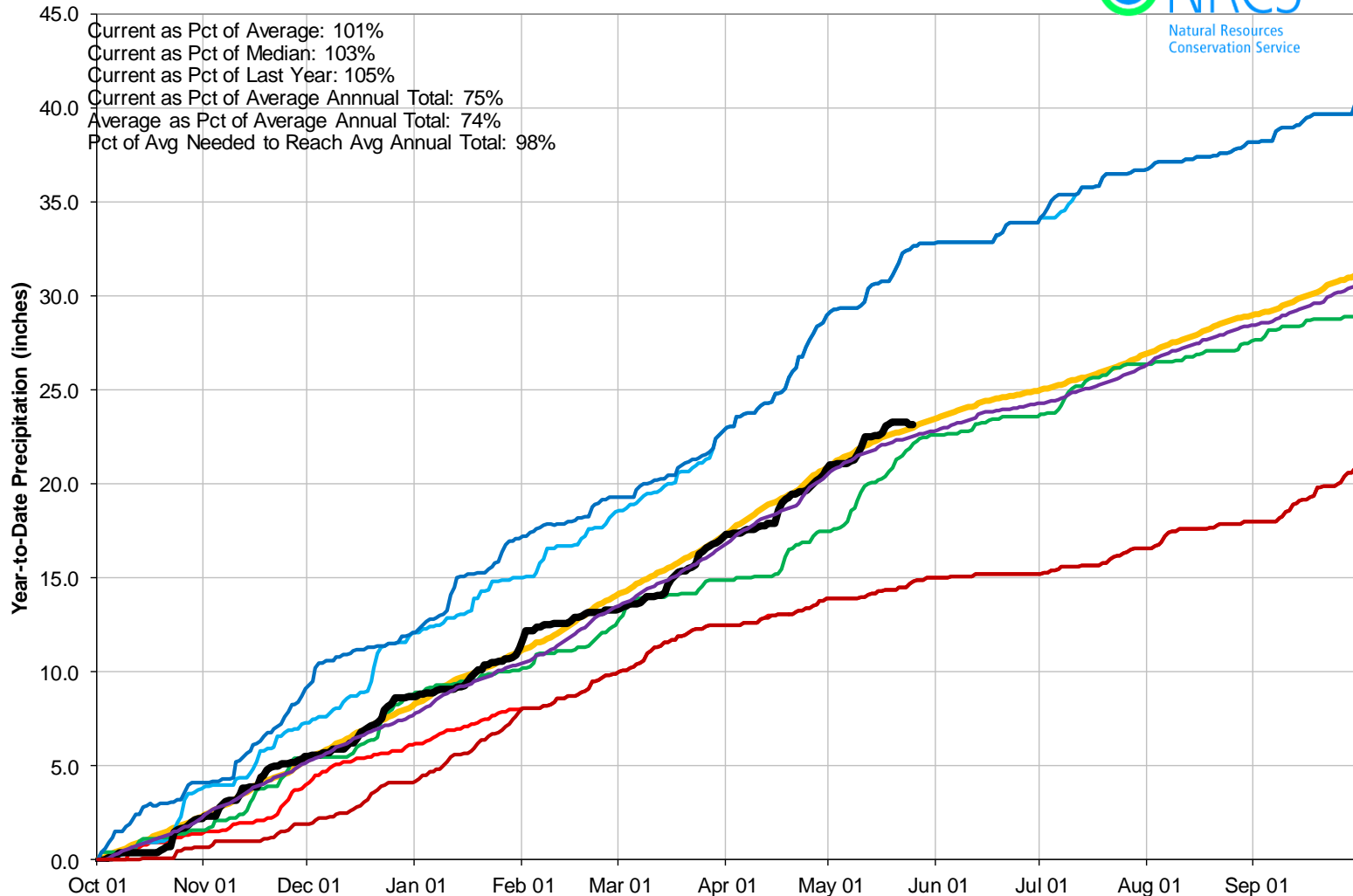


April PREC
101% of Average
May to date
117% of Average

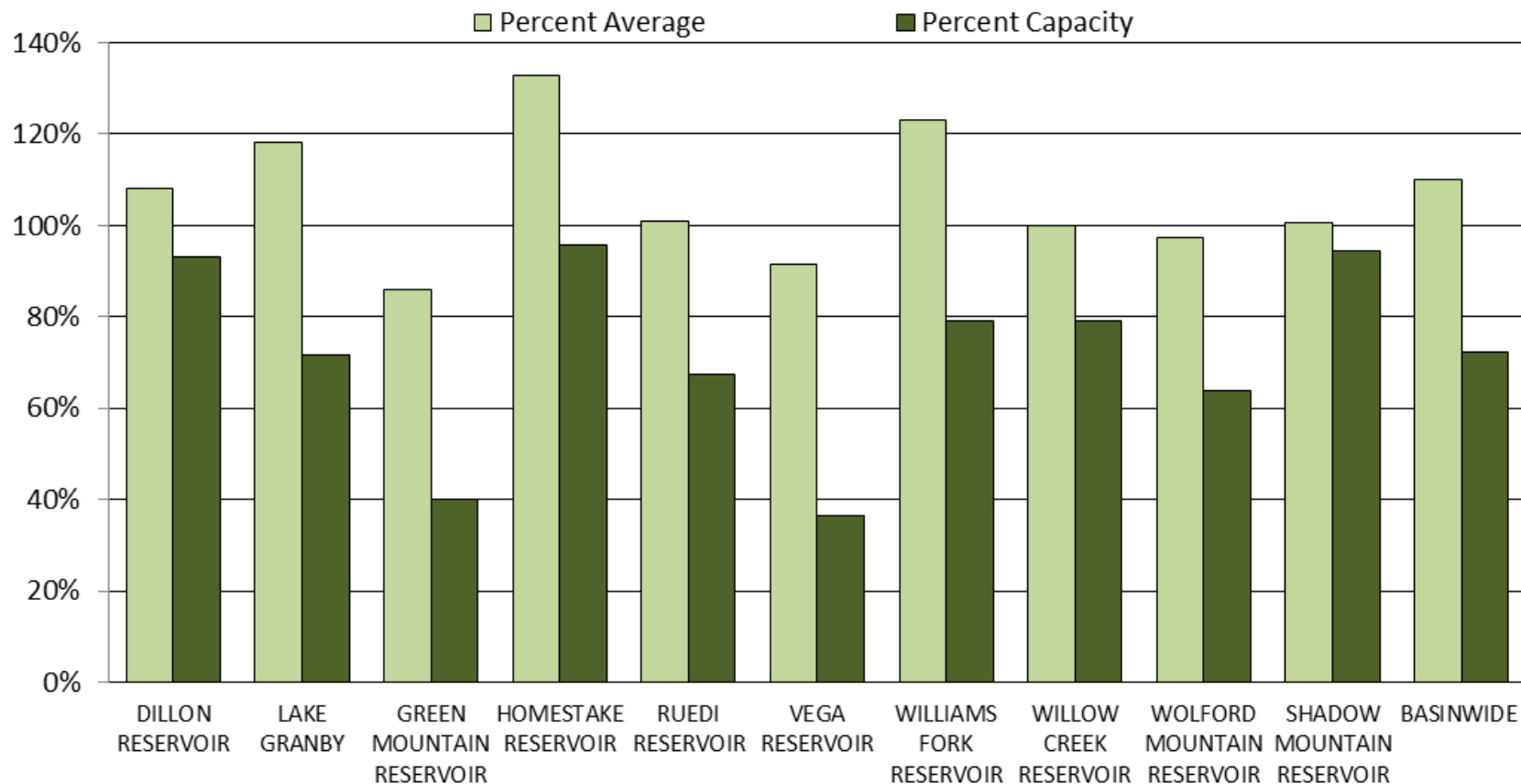


Upper Colorado River Basin High/Low Year-to-Date Precipitation Summary

Based on Provisional SNOTEL data as of May 25, 2016

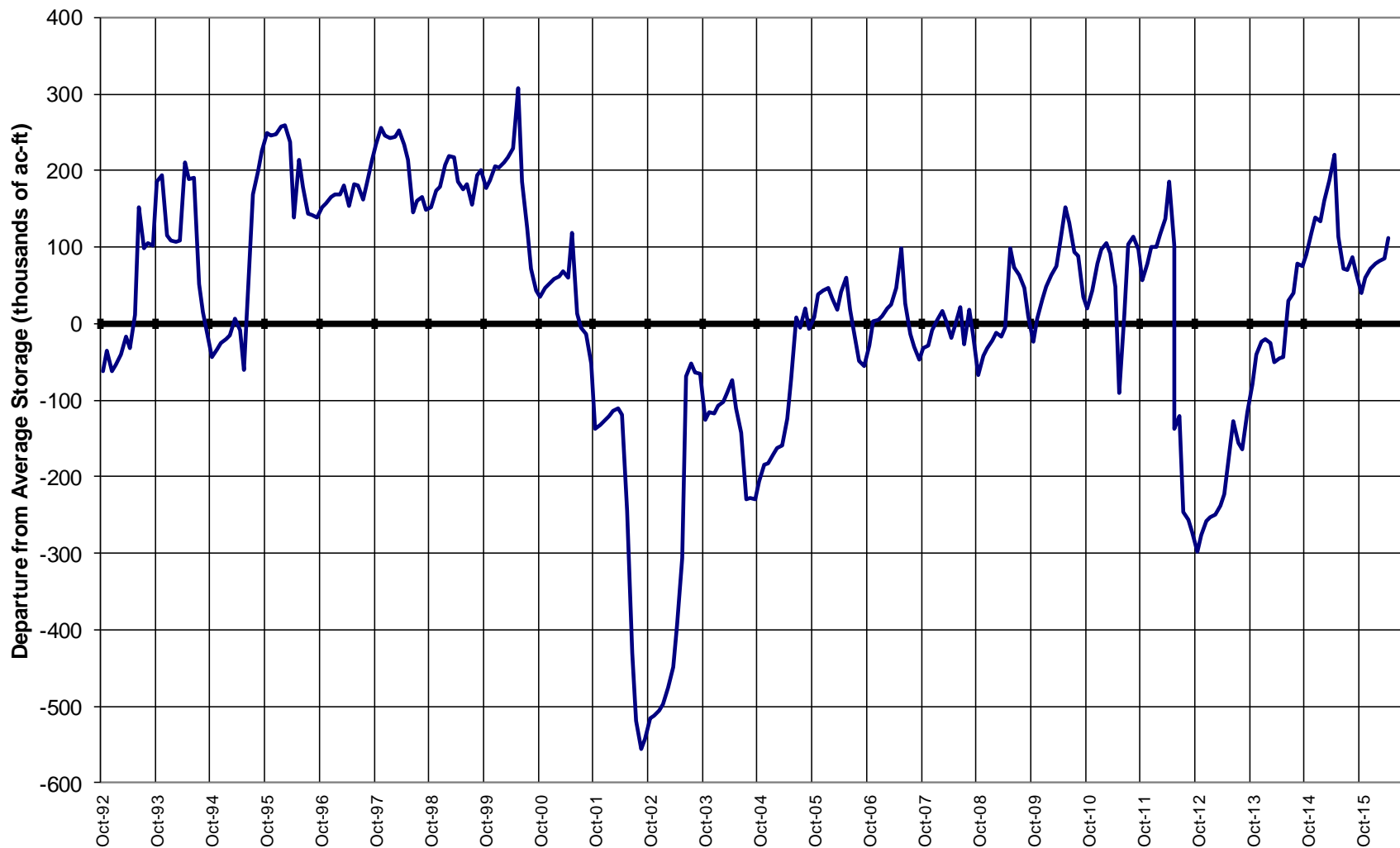


Reservoir Storage



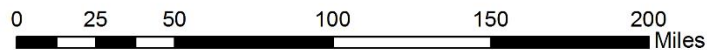
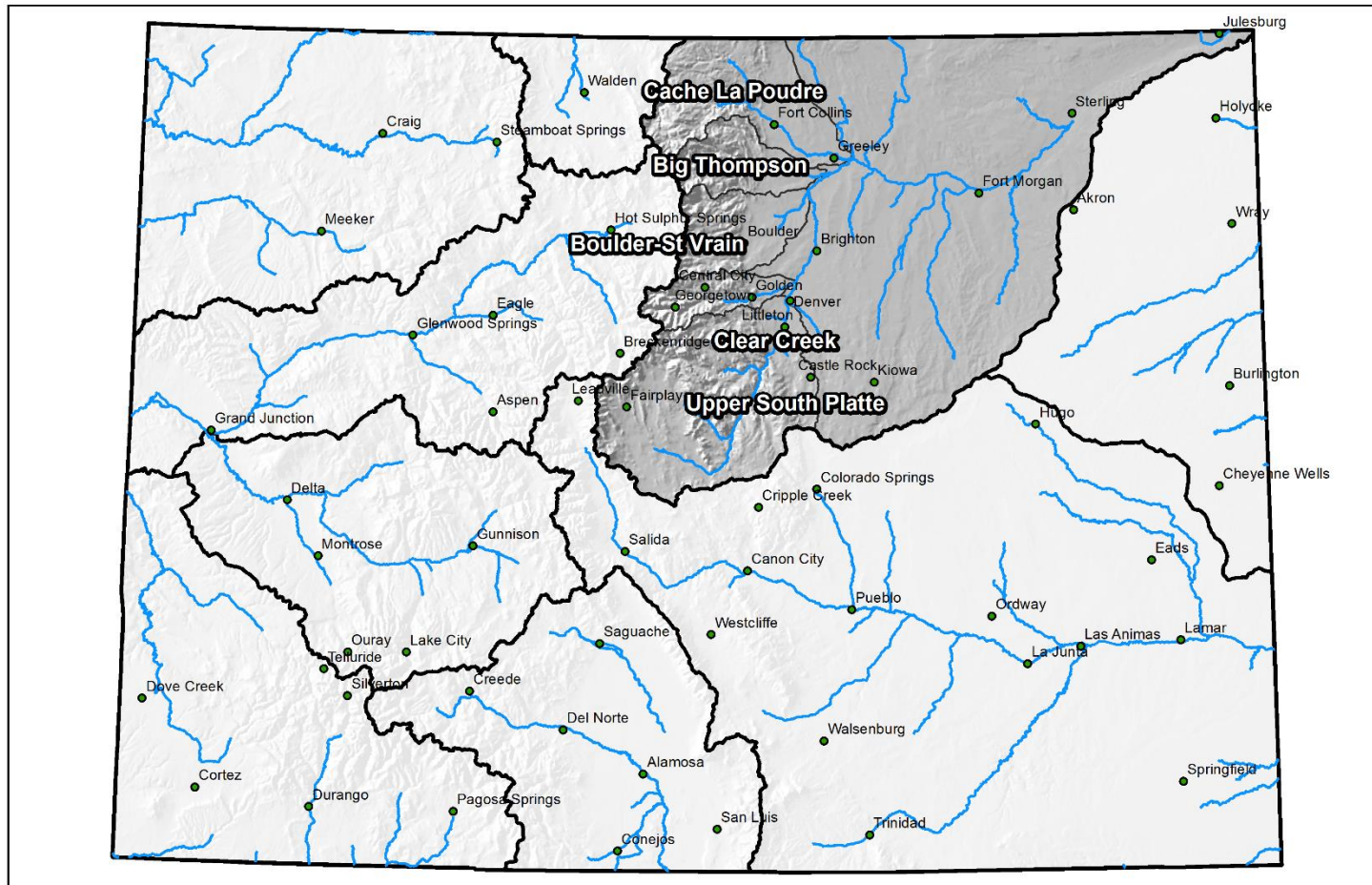


COLORADO RIVER BASIN Reservoir Storage Departure from Average

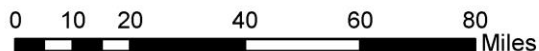
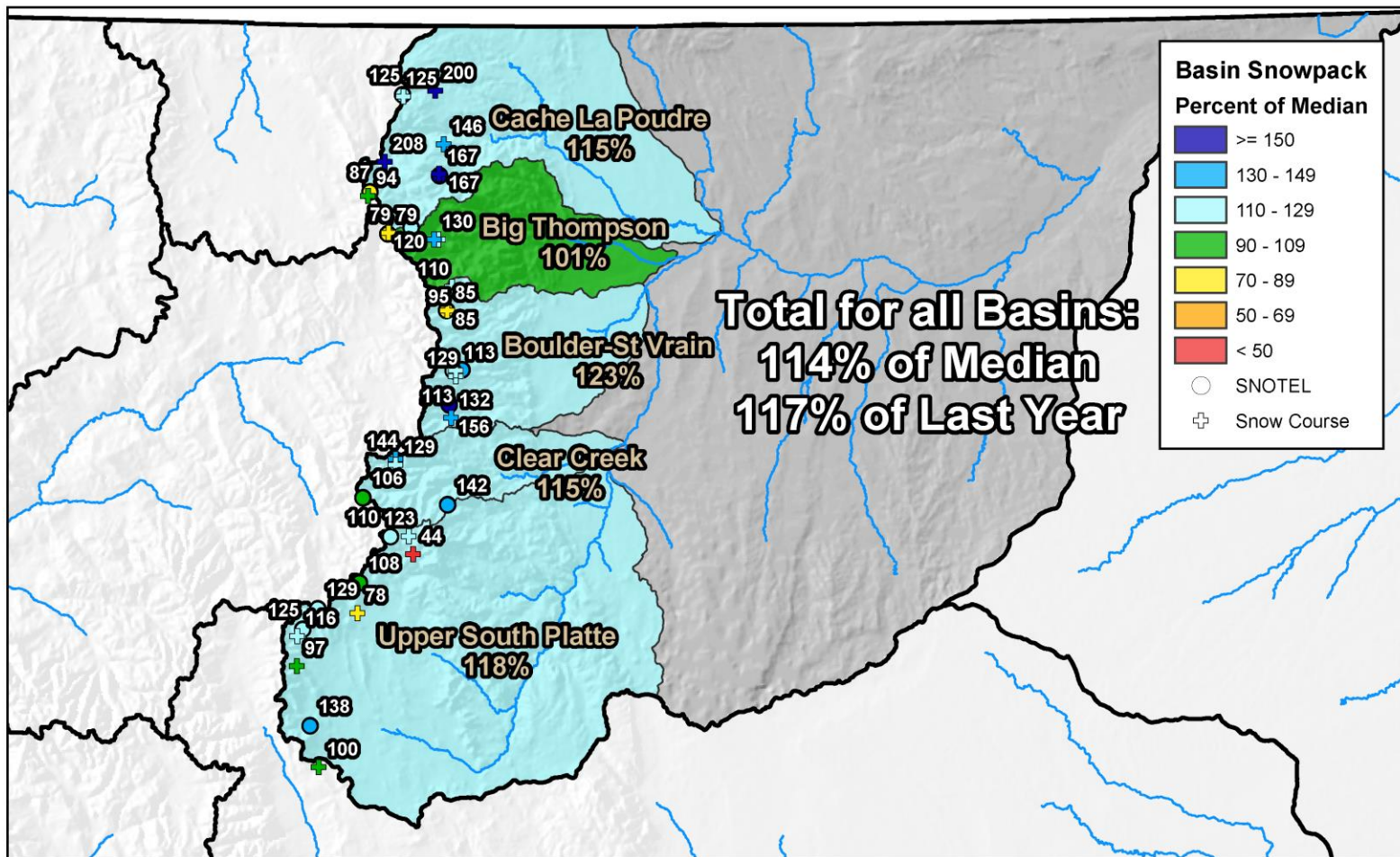


Major Basin Summary

South Platte River Basin

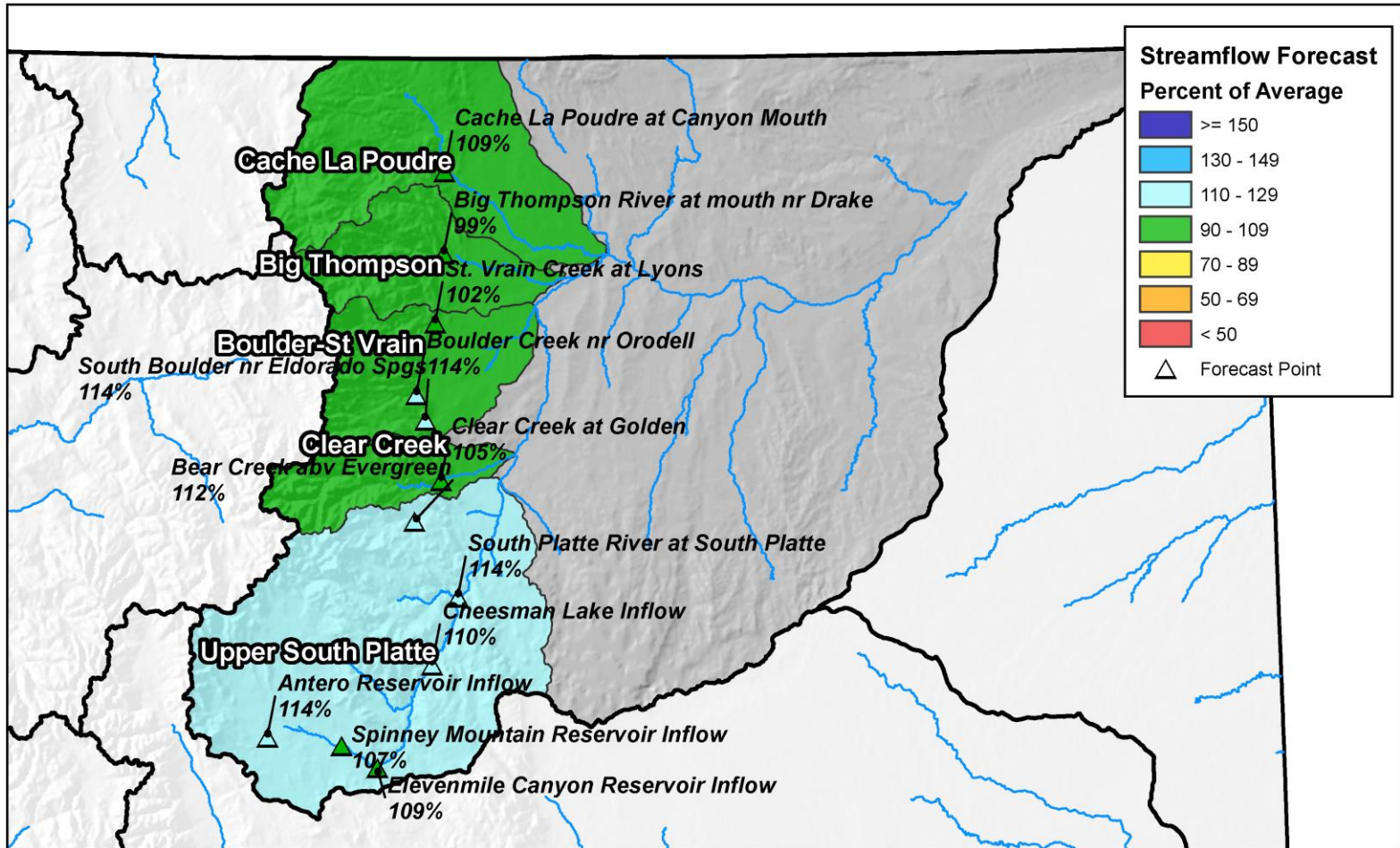


South Platte River Basin Monthly Snowpack Summary May 1, 2016



South Platte River Basin Streamflow Forecast Summary

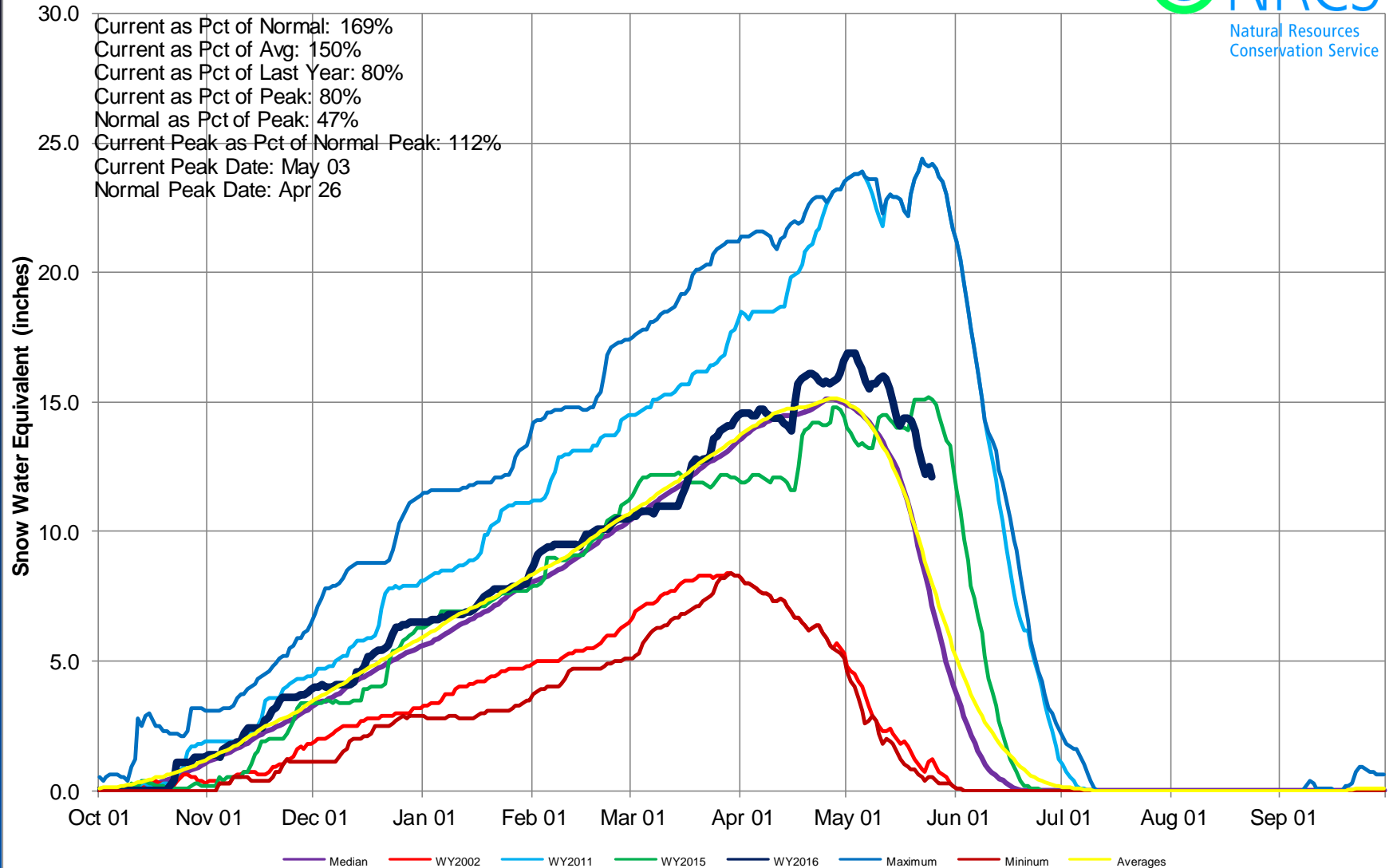
May 1, 2016





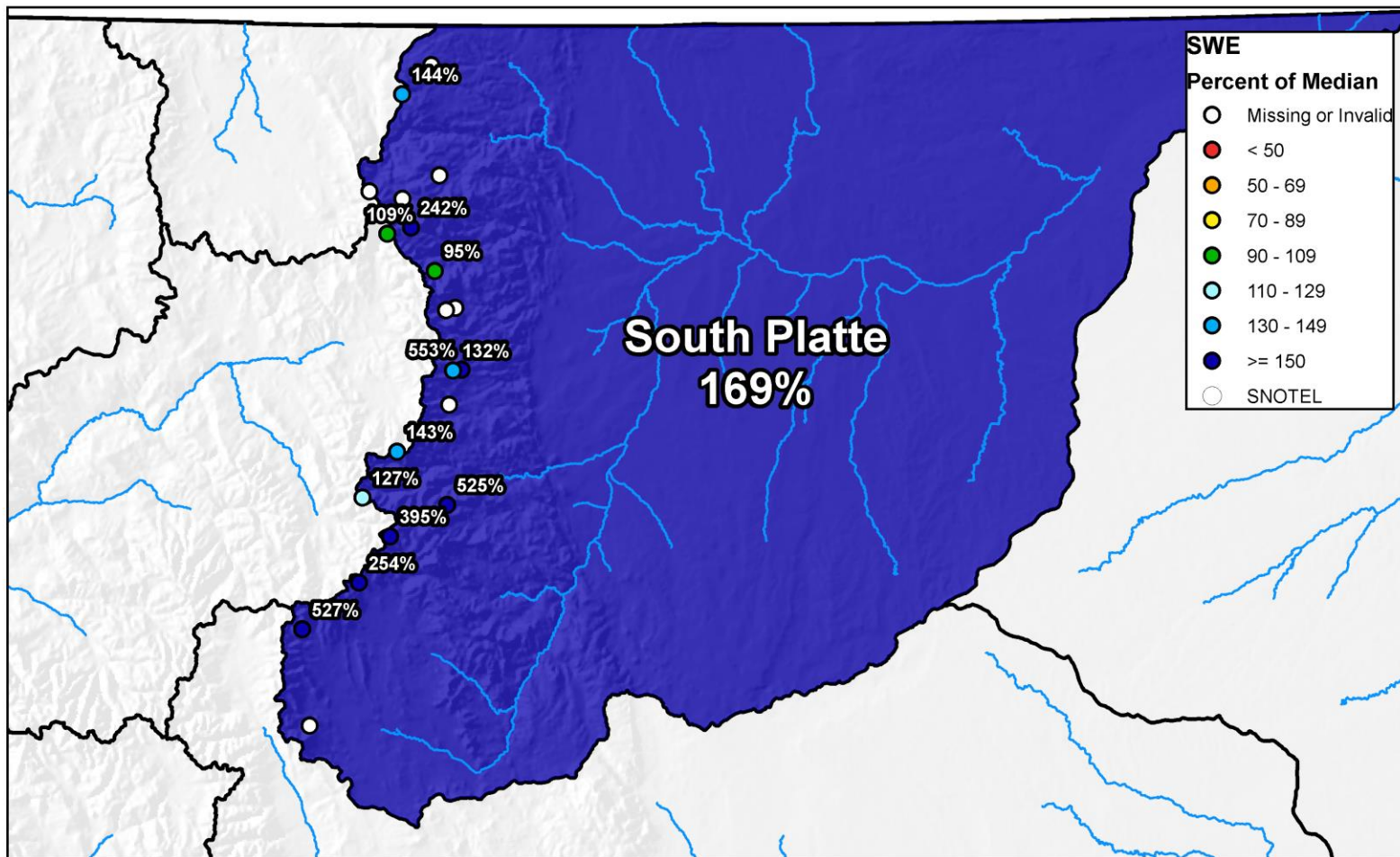
South Platte River Basin High/Low Snowpack Summary

Based on Provisional SNOTEL data as of May 25, 2016



South Platte River Basin Snow Water Equivalent (SWE) Summary

Current as of May 25, 2016

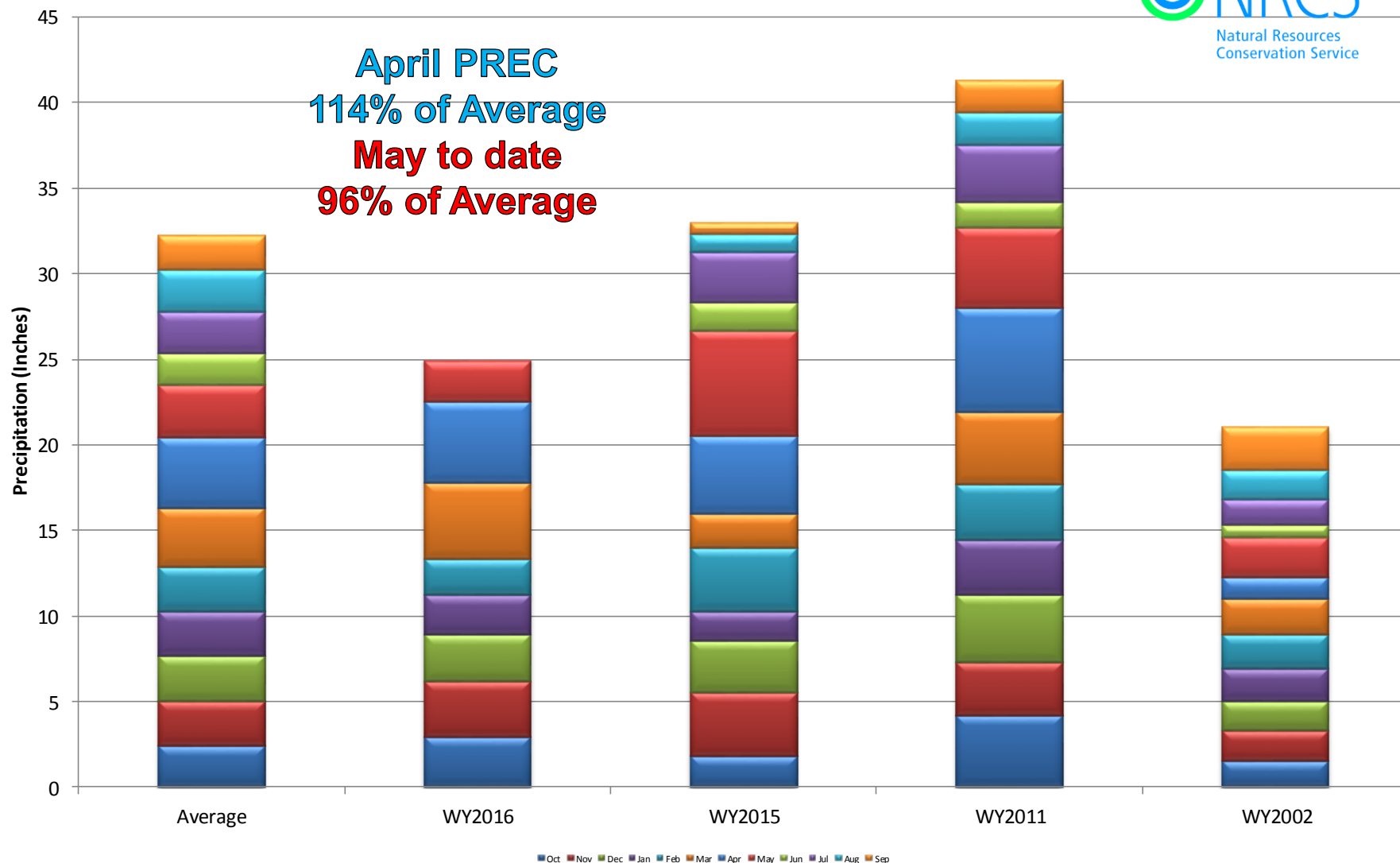


0 10 20 40 60 80 Miles



South Platte River Basin High/Low Monthly Precipitation Summary

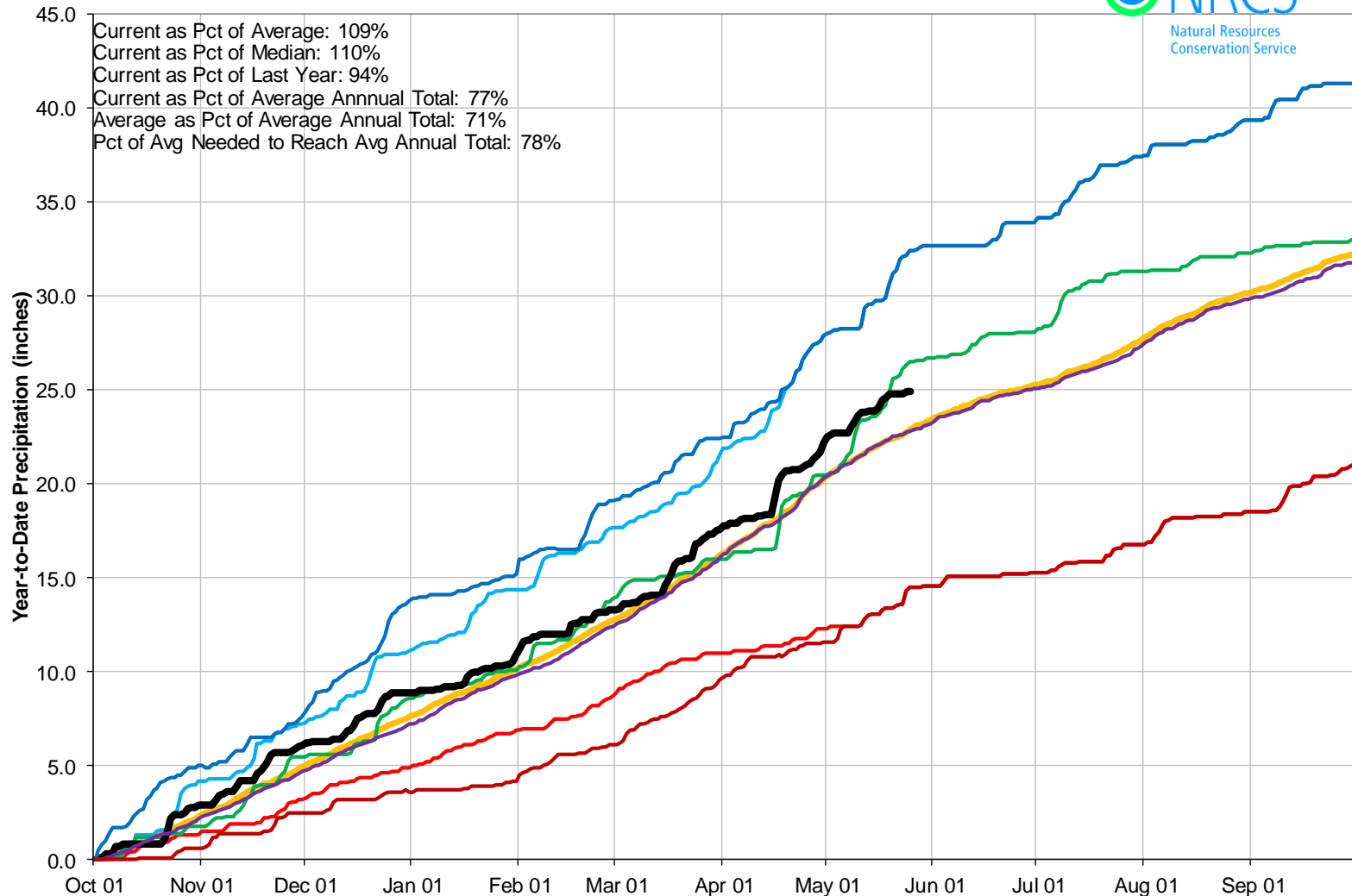
Based on Provisional SNOTEL data as of May 25, 2016





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

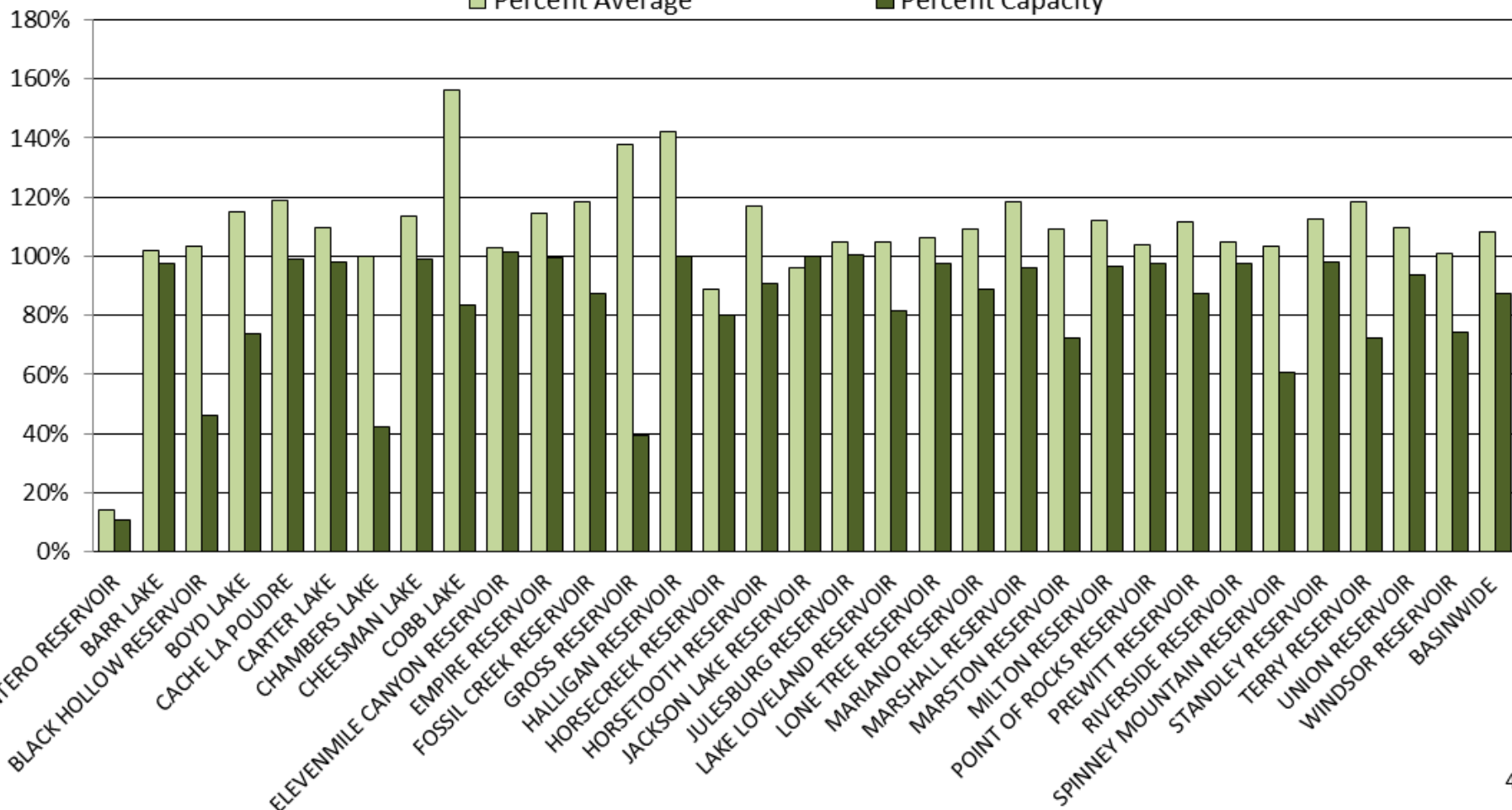
Based on Provisional SNOTEL data as of May 25, 2016



Reservoir Storage

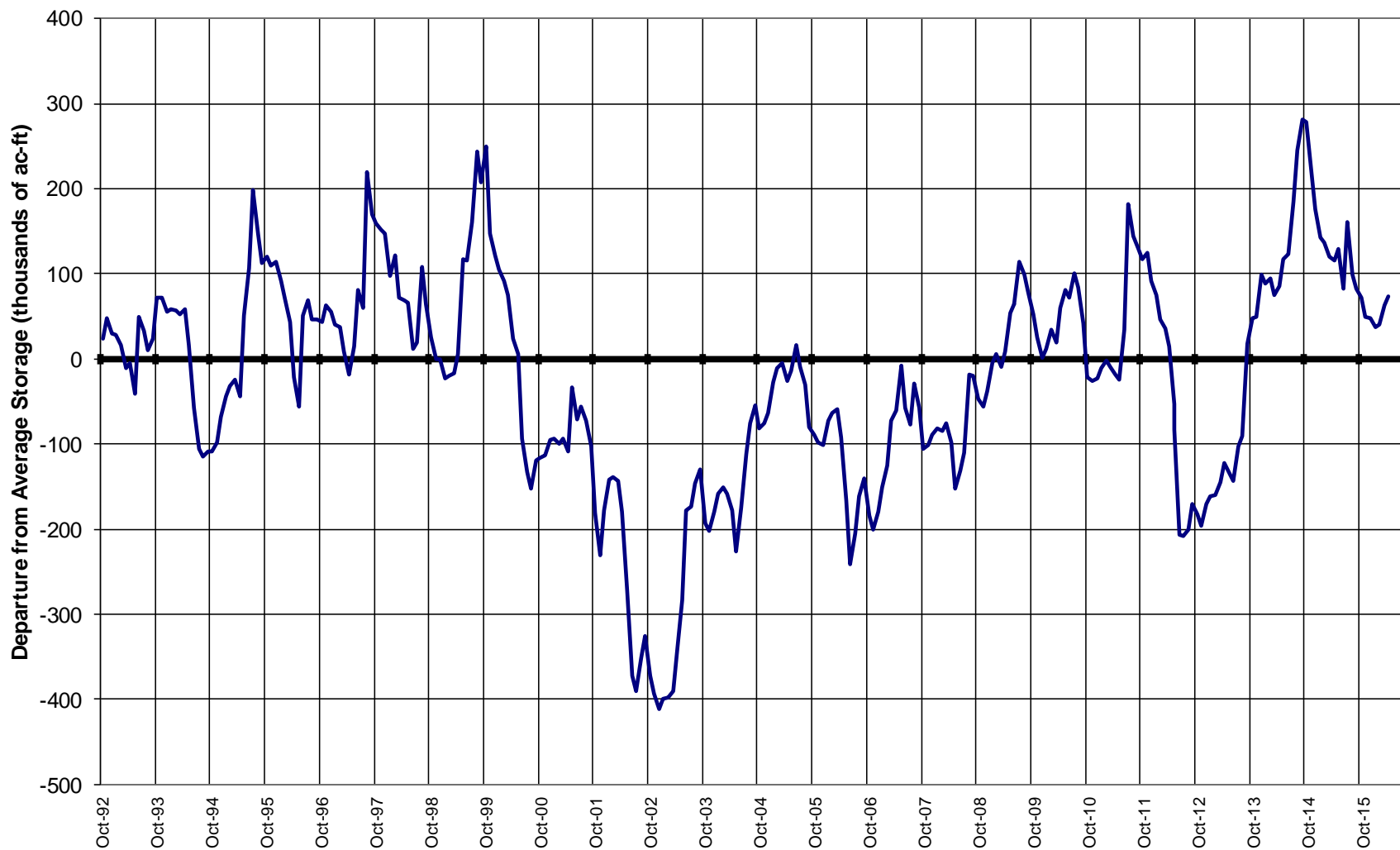
■ Percent Average

■ Percent Capacity



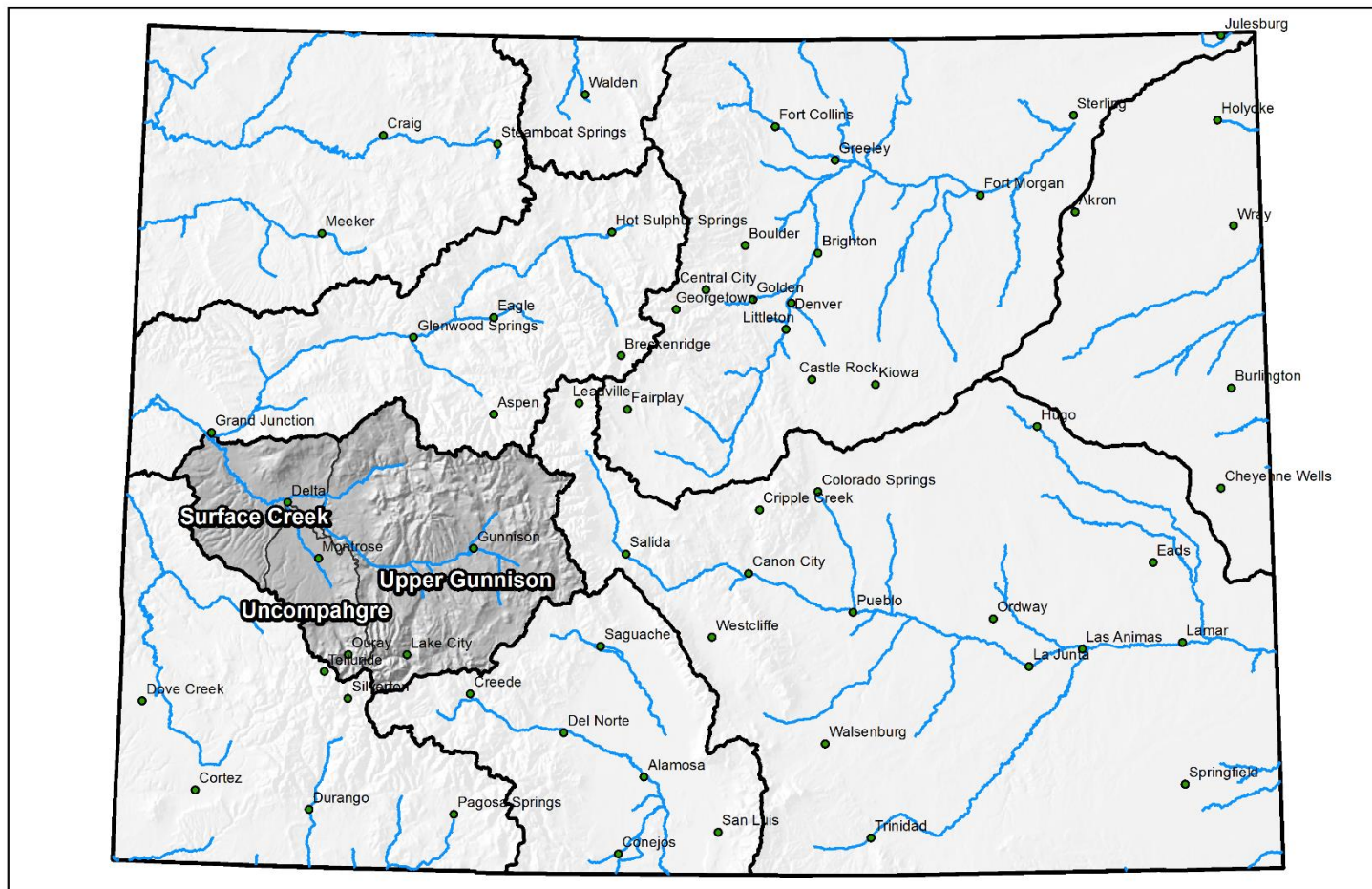


SOUTH PLATTE RIVER BASIN Reservoir Storage Departure from Average



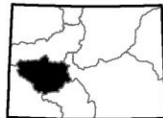
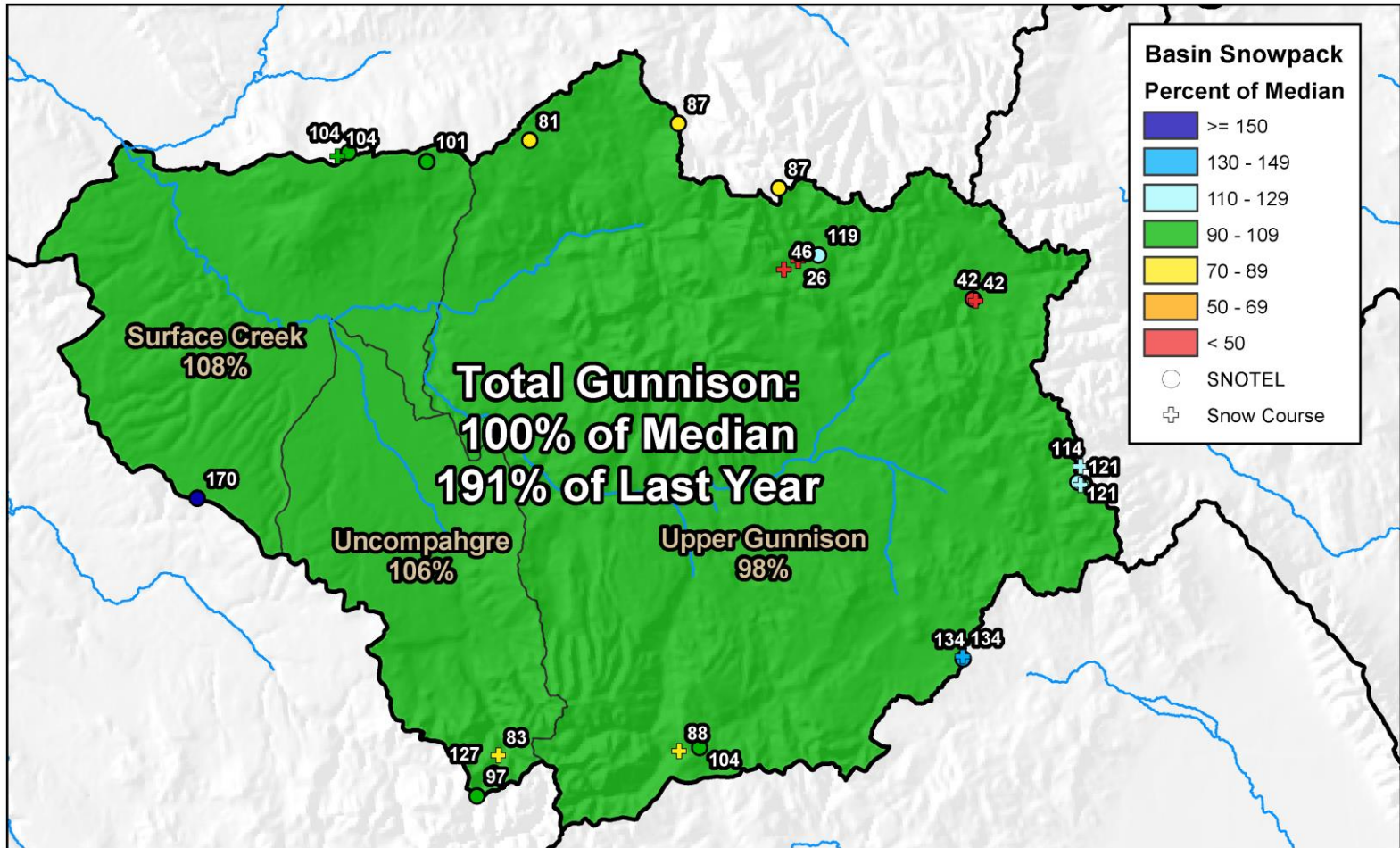
Major Basin Summary

Gunnison River Basin



0 25 50 100 150 200 Miles

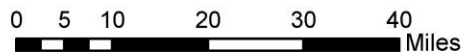
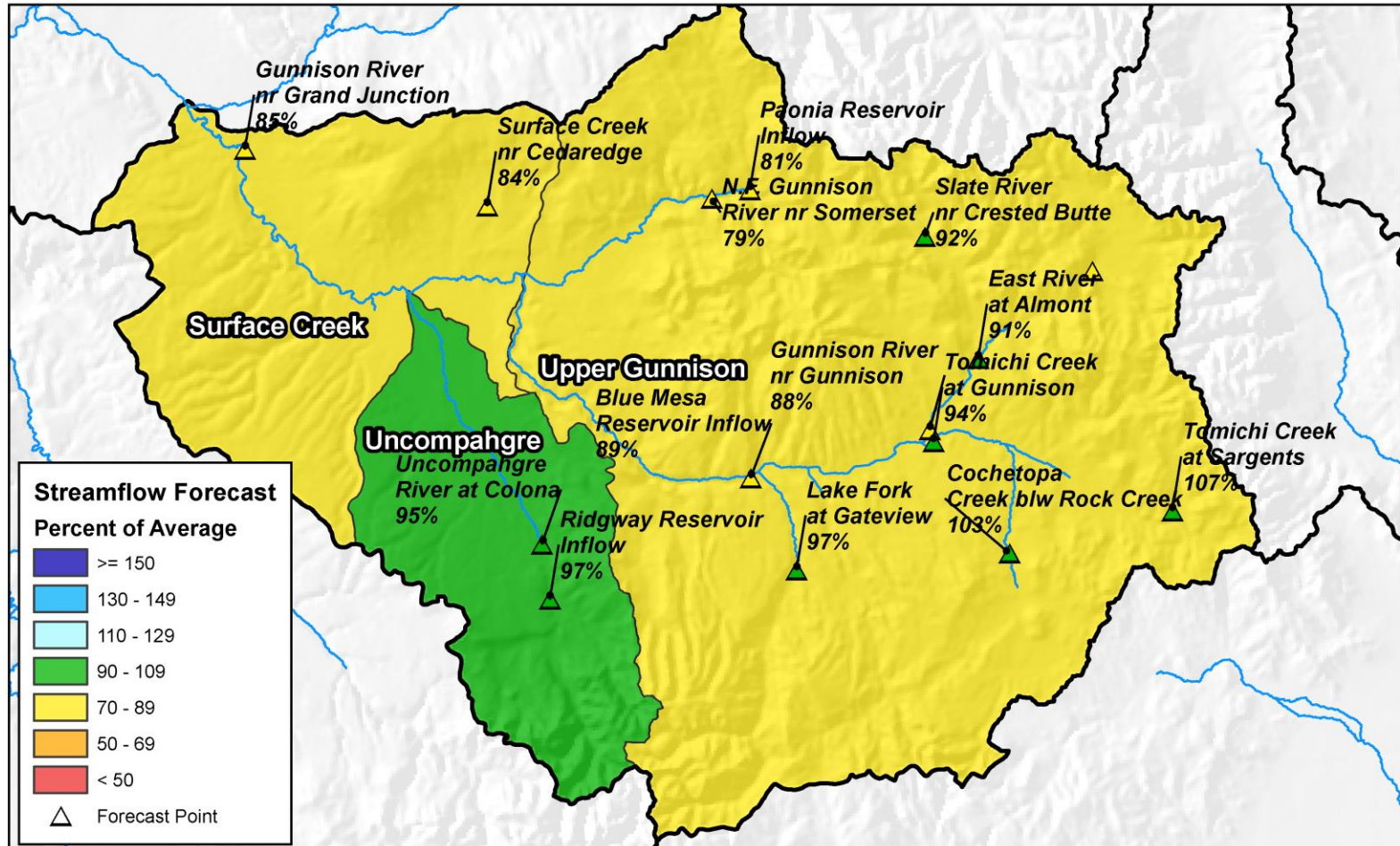
Gunnison River Basin Monthly Snowpack Summary May 1, 2016



0 5 10 20 30 40
Miles

Gunnison River Basin Water Supply Forecast Summary

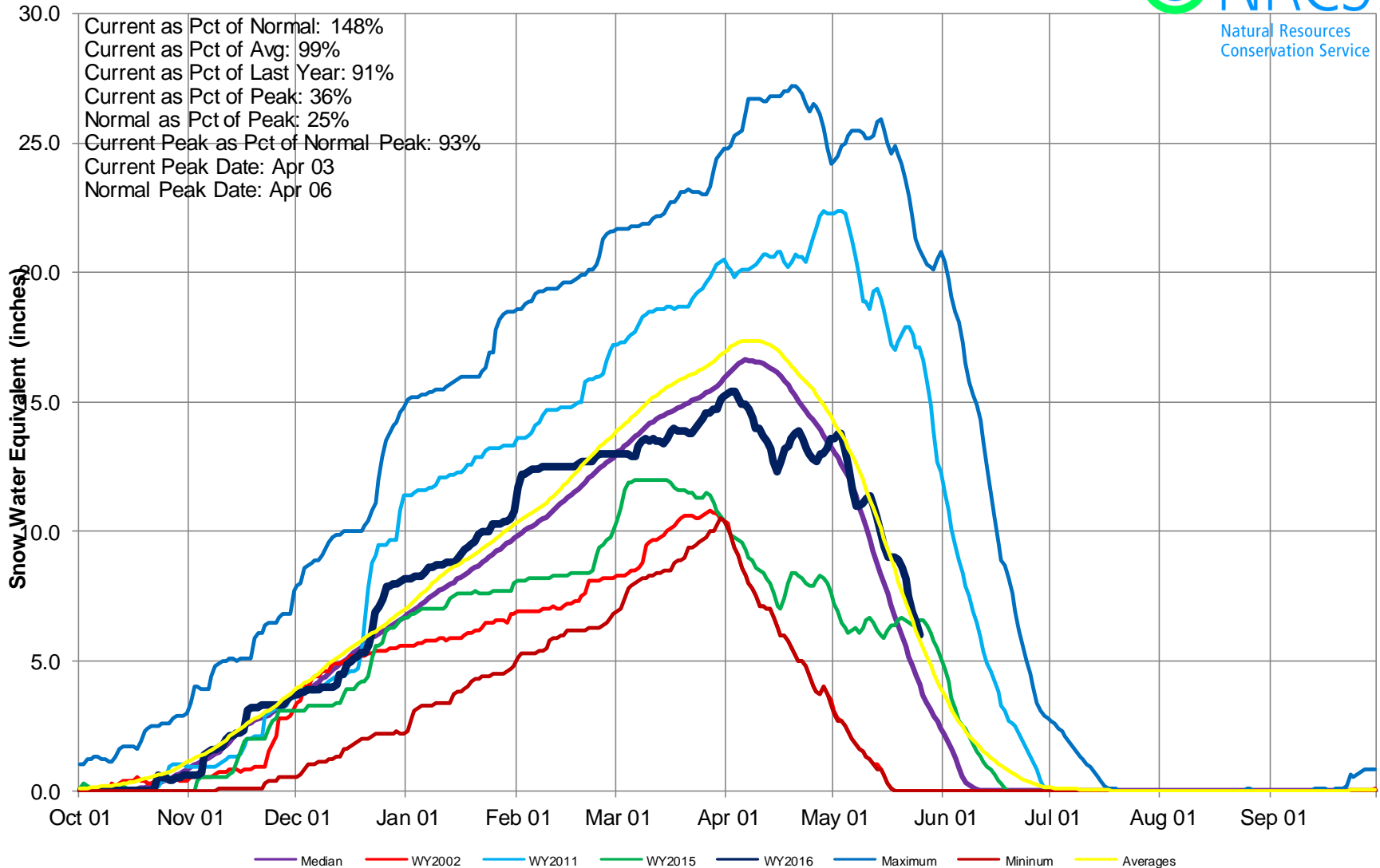
May 1, 2016





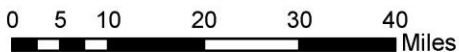
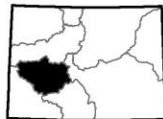
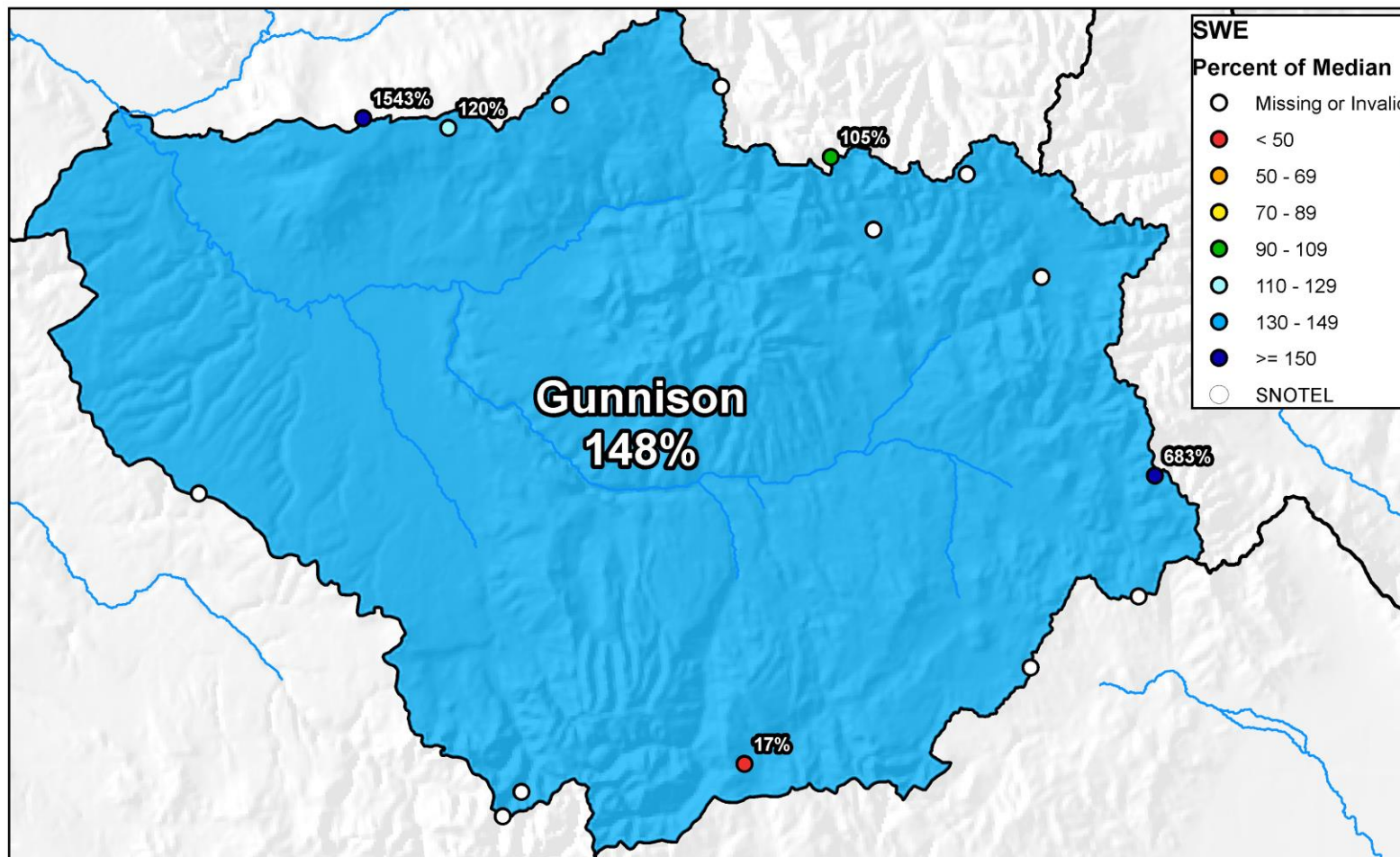
Gunnison River Basin High/Low Snowpack Summary

Based on Provisional SNOTEL data as of May 25, 2016



Gunnison River Basin Snow Water Equivalent (SWE) Summary

Current as of May 25, 2016

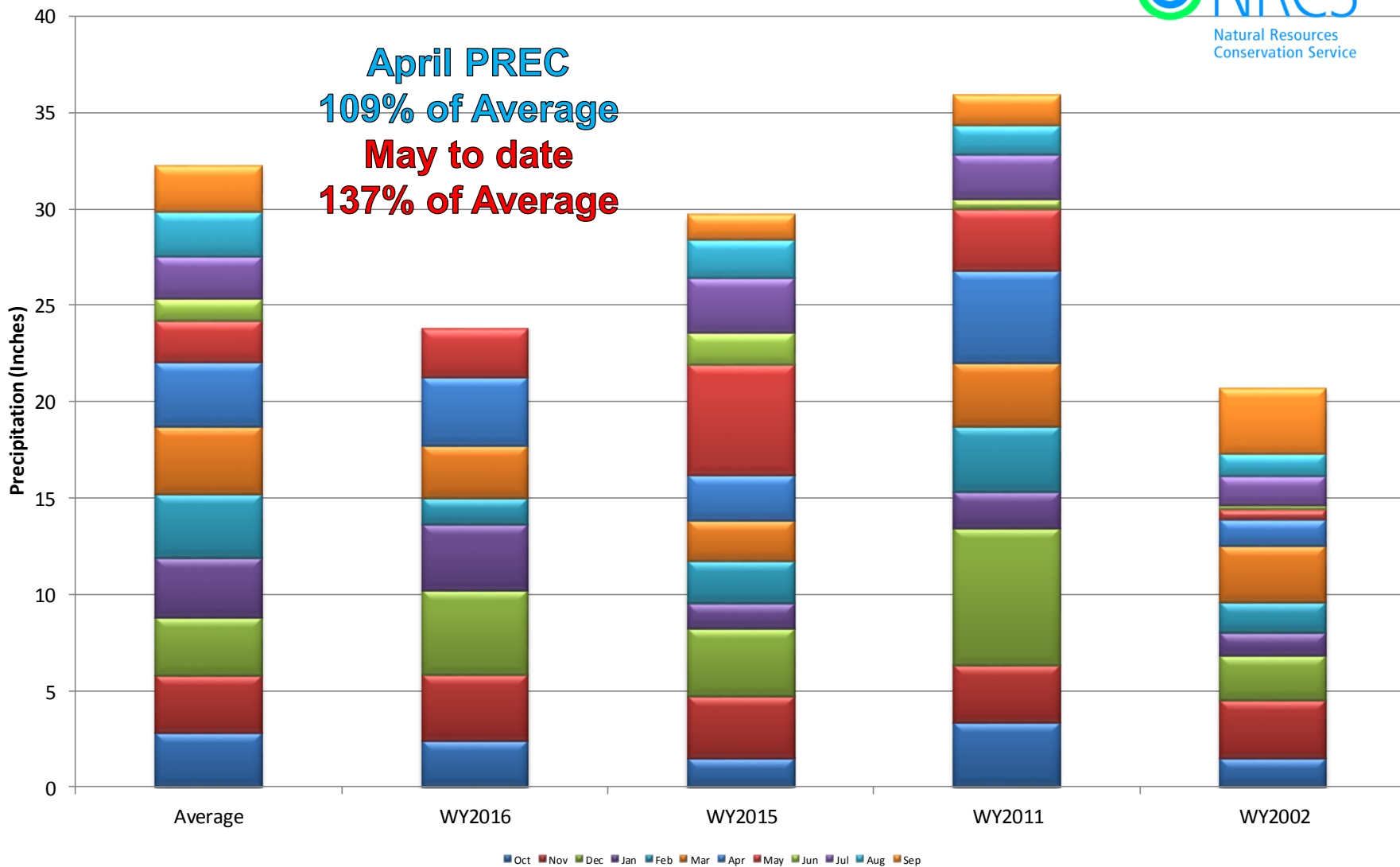


Gunnison River Basin High/Low Monthly Precipitation Summary

Based on Provisional SNOTEL data as of May 25, 2016



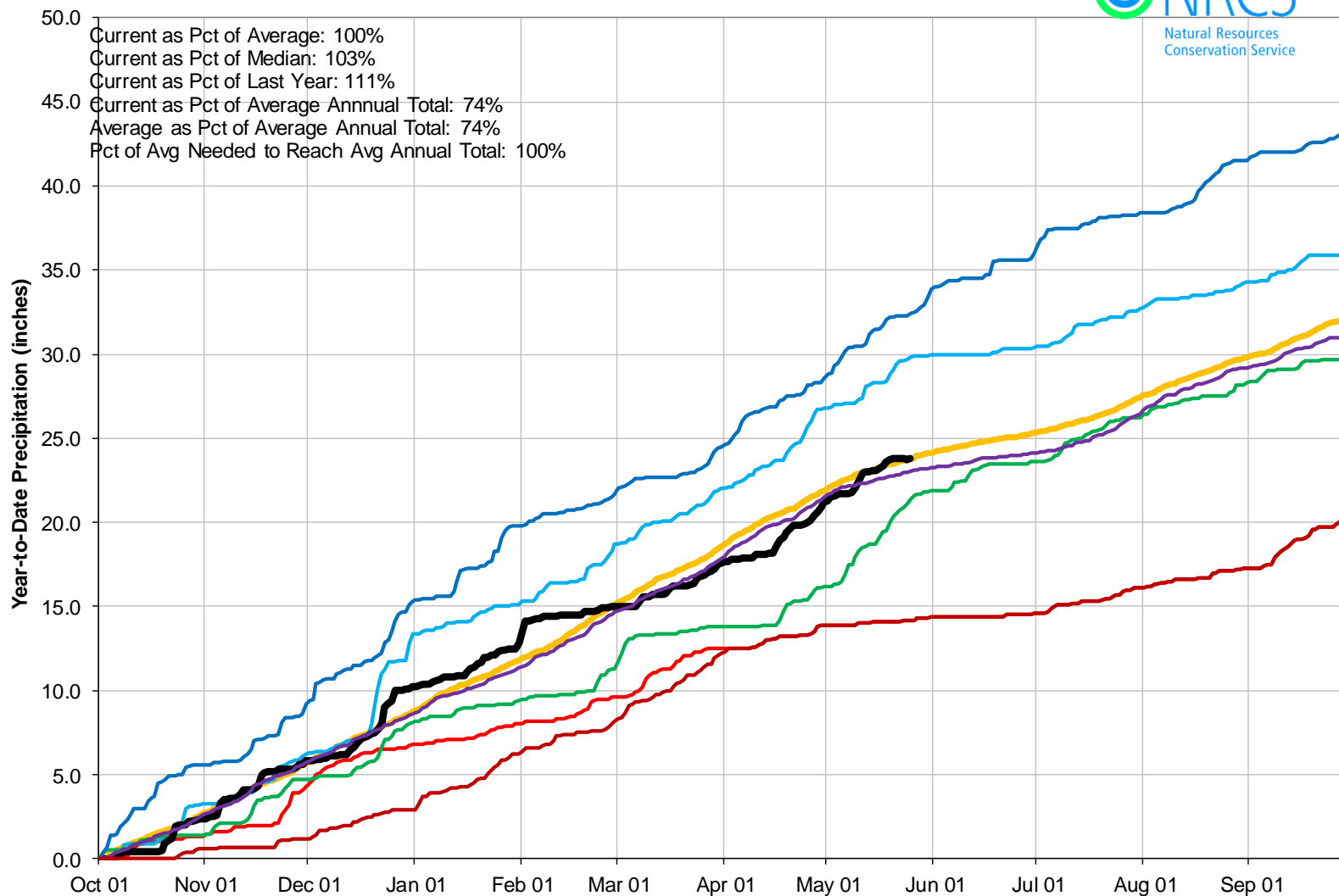
April PREC
109% of Average
May to date
137% of Average

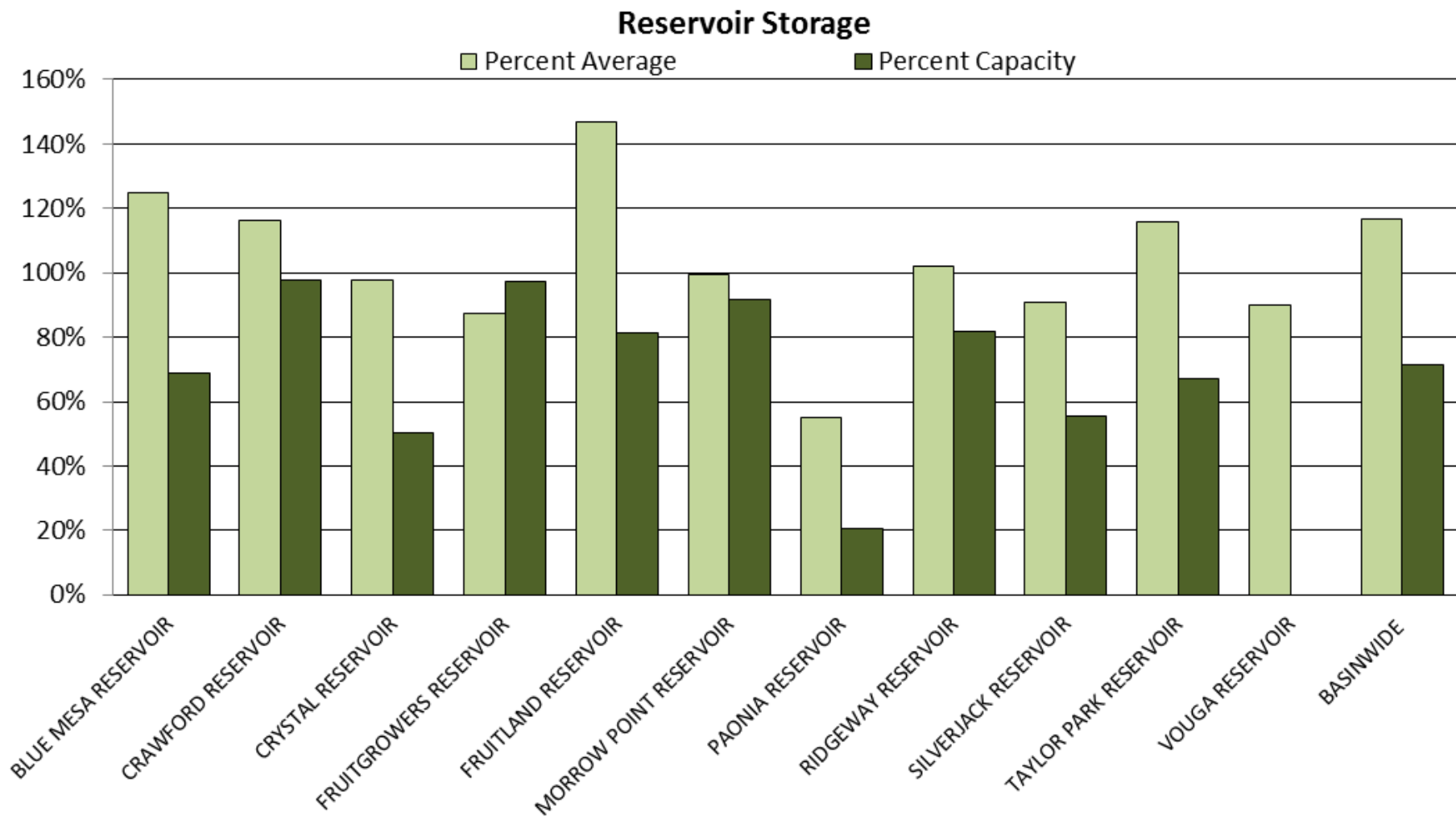




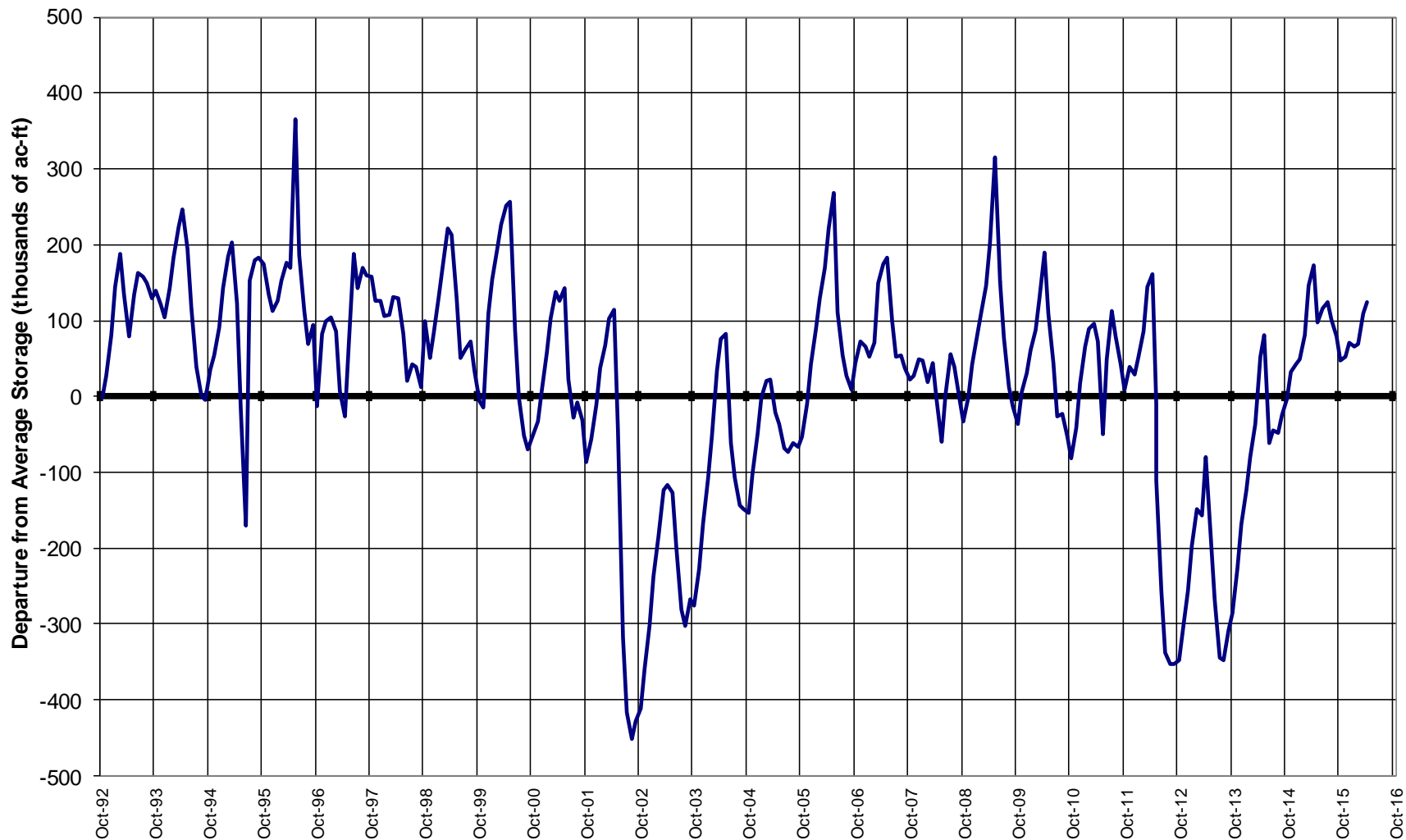
Gunnison River Basin High/Low Year-to-Date Precipitation Summary

Based on Provisional SNOTEL data as of May 25, 2016



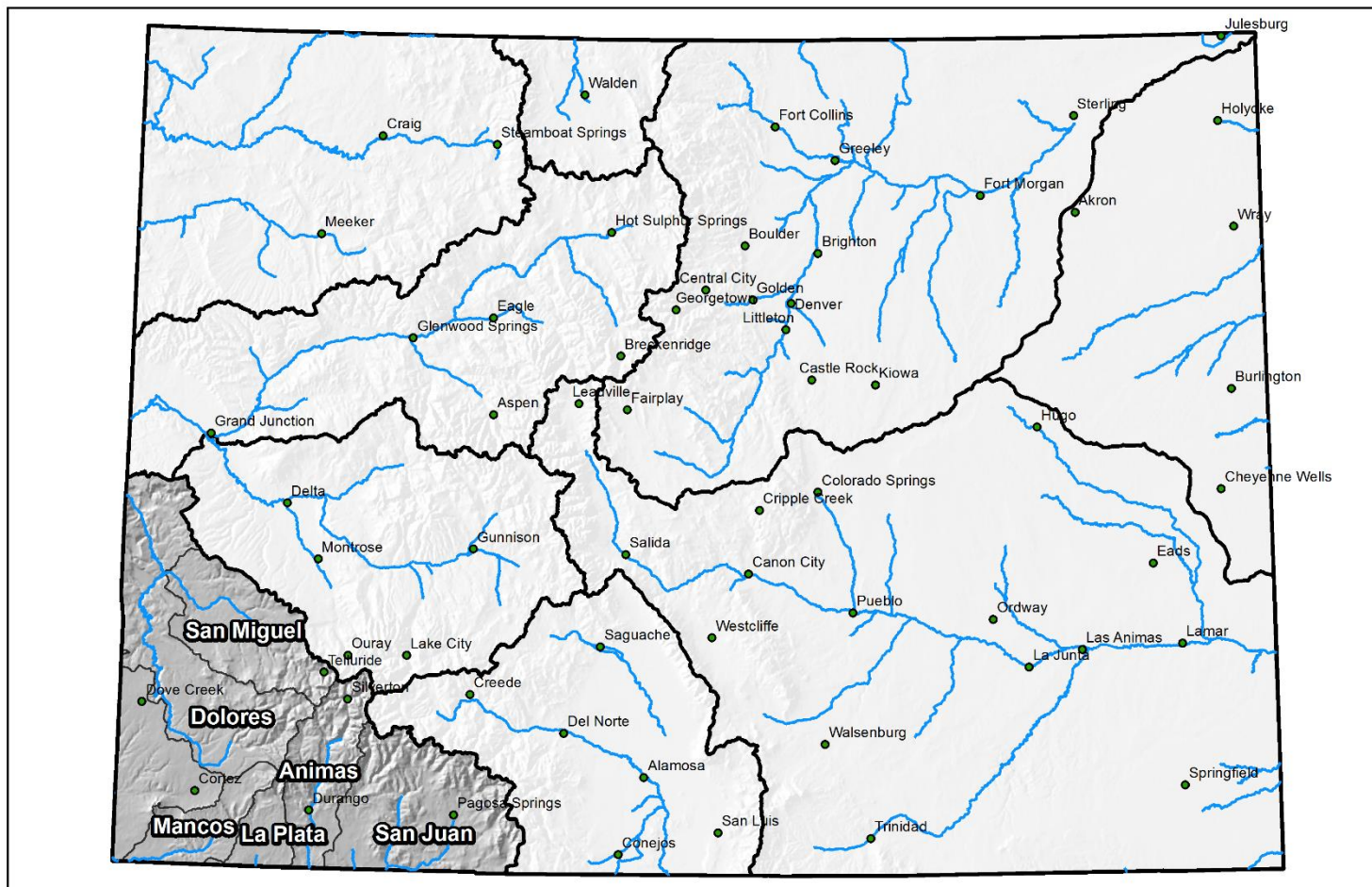


GUNNISON RIVER BASIN Reservoir Storage Departure from Average



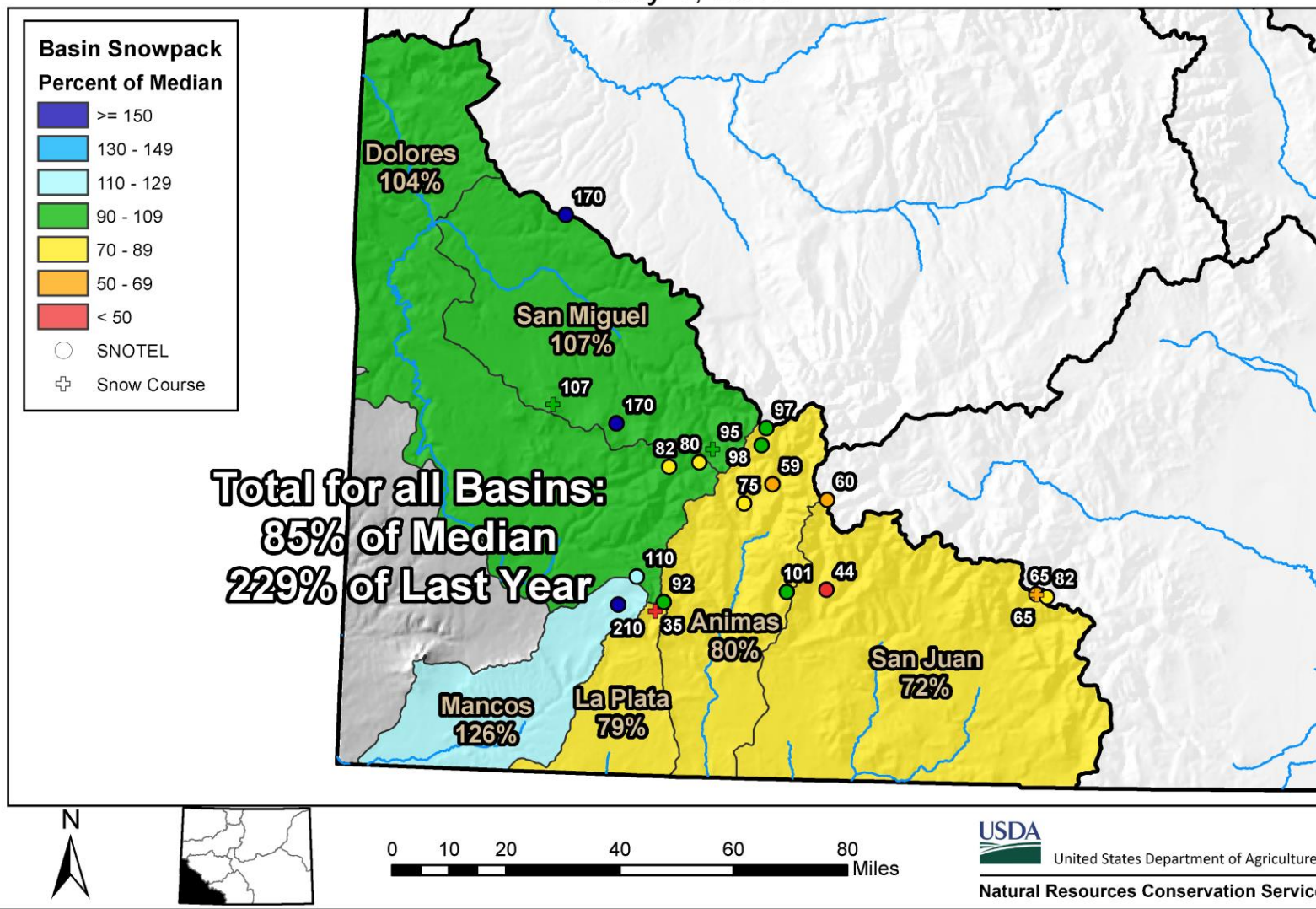
Major Basin Summary

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



0 25 50 100 150 200 Miles

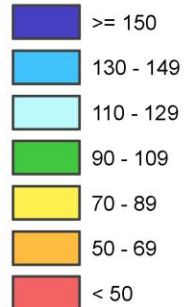
San Miguel, Dolores, Animas, and San Juan River Basins Monthly Snowpack Summary May 1, 2016



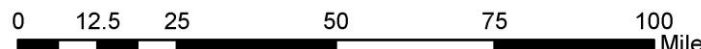
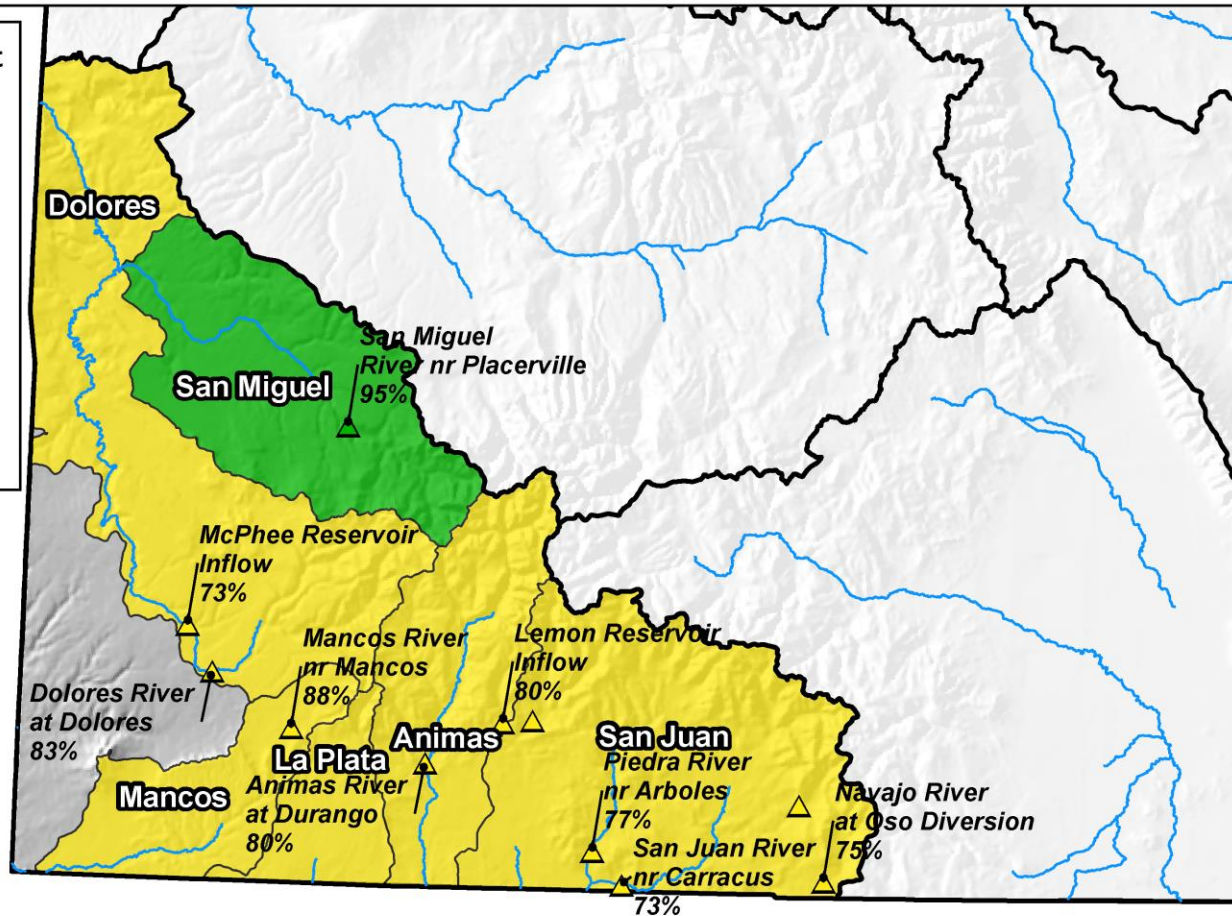
San Miguel, Dolores, Animas, and San Juan River Basins Streamflow Forecast Summary

May 1, 2016

Streamflow Forecast Percent of Average



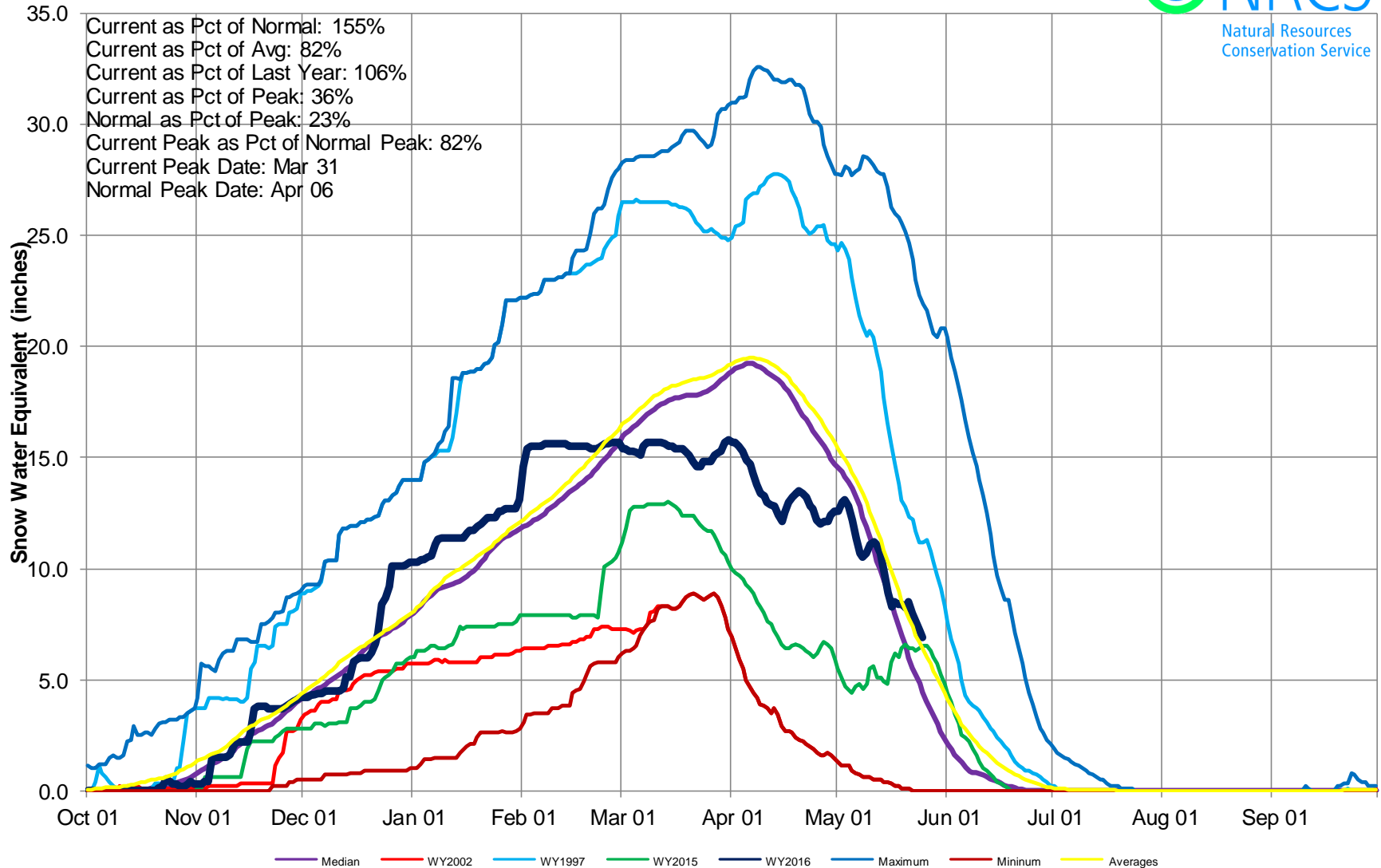
Forecast Point





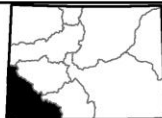
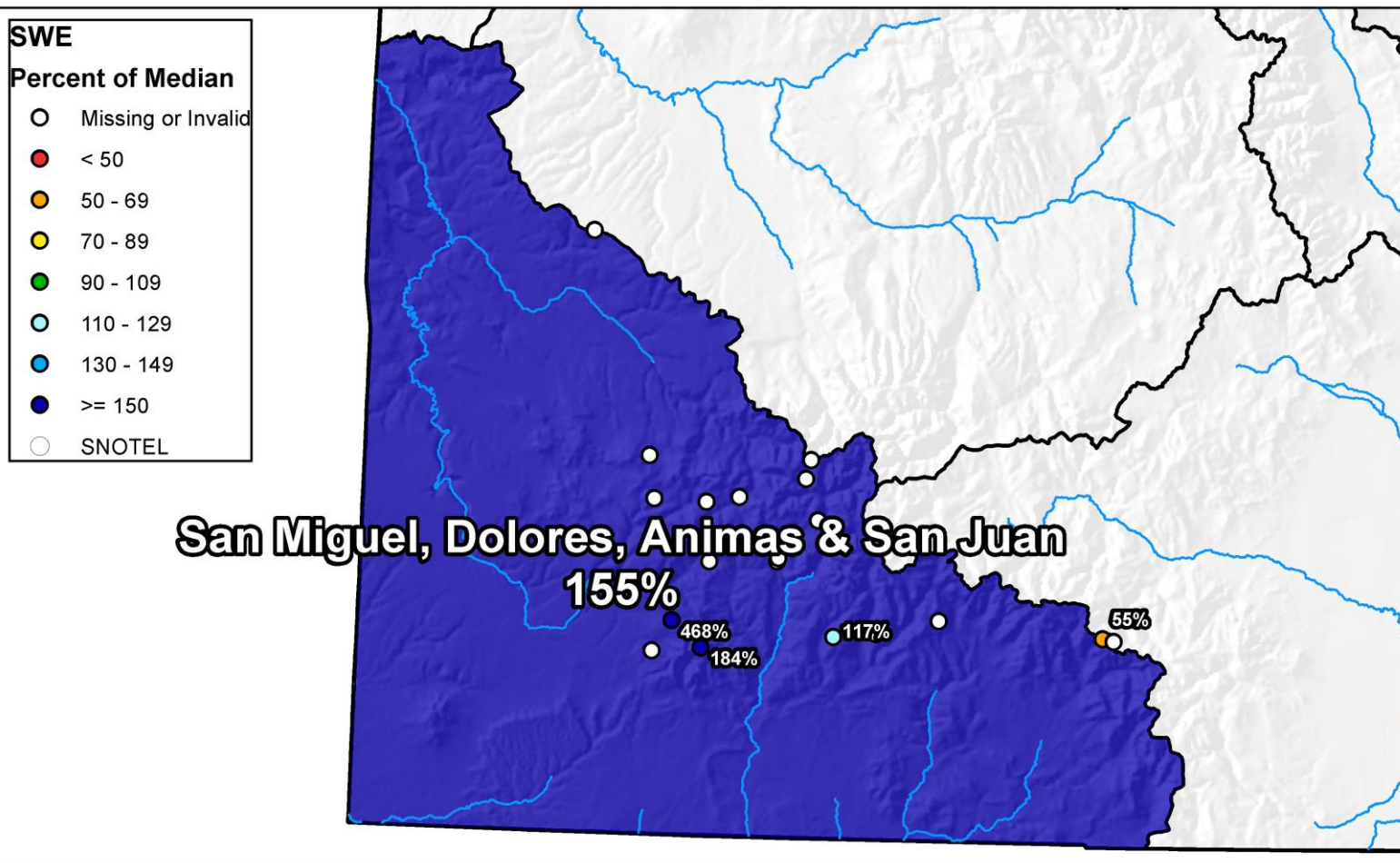
San Miguel, Dolores, Animas and San Juan River Basins High/Low Snowpack Summary

Based on Provisional SNOTEL data as of May 25, 2016



San Miguel, Dolores, Animas, and San Juan River Basins Snow Water Equivalent (SWE) Summary

Current as of May 25, 2016

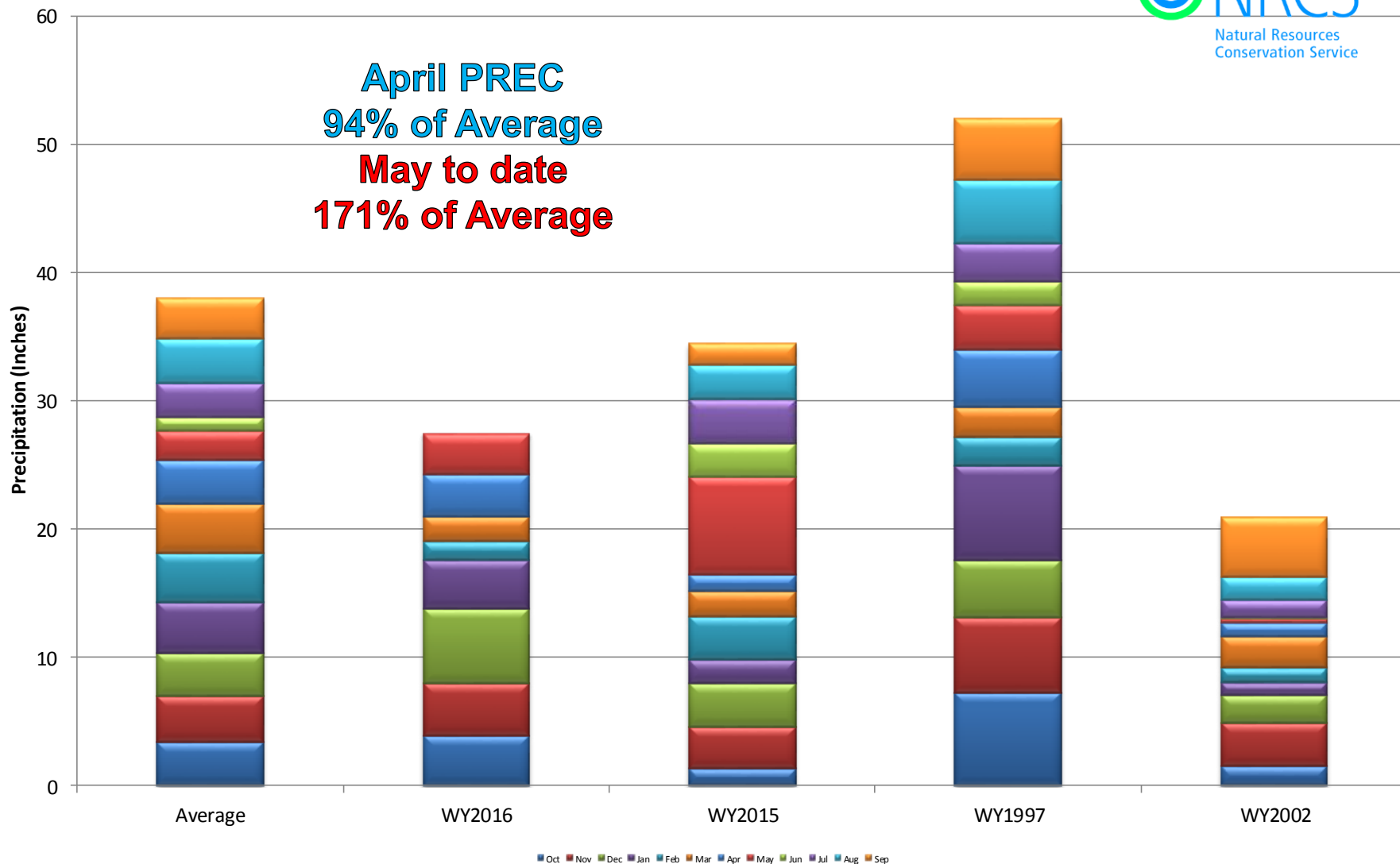


0 10 20 40 60 80 Miles

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

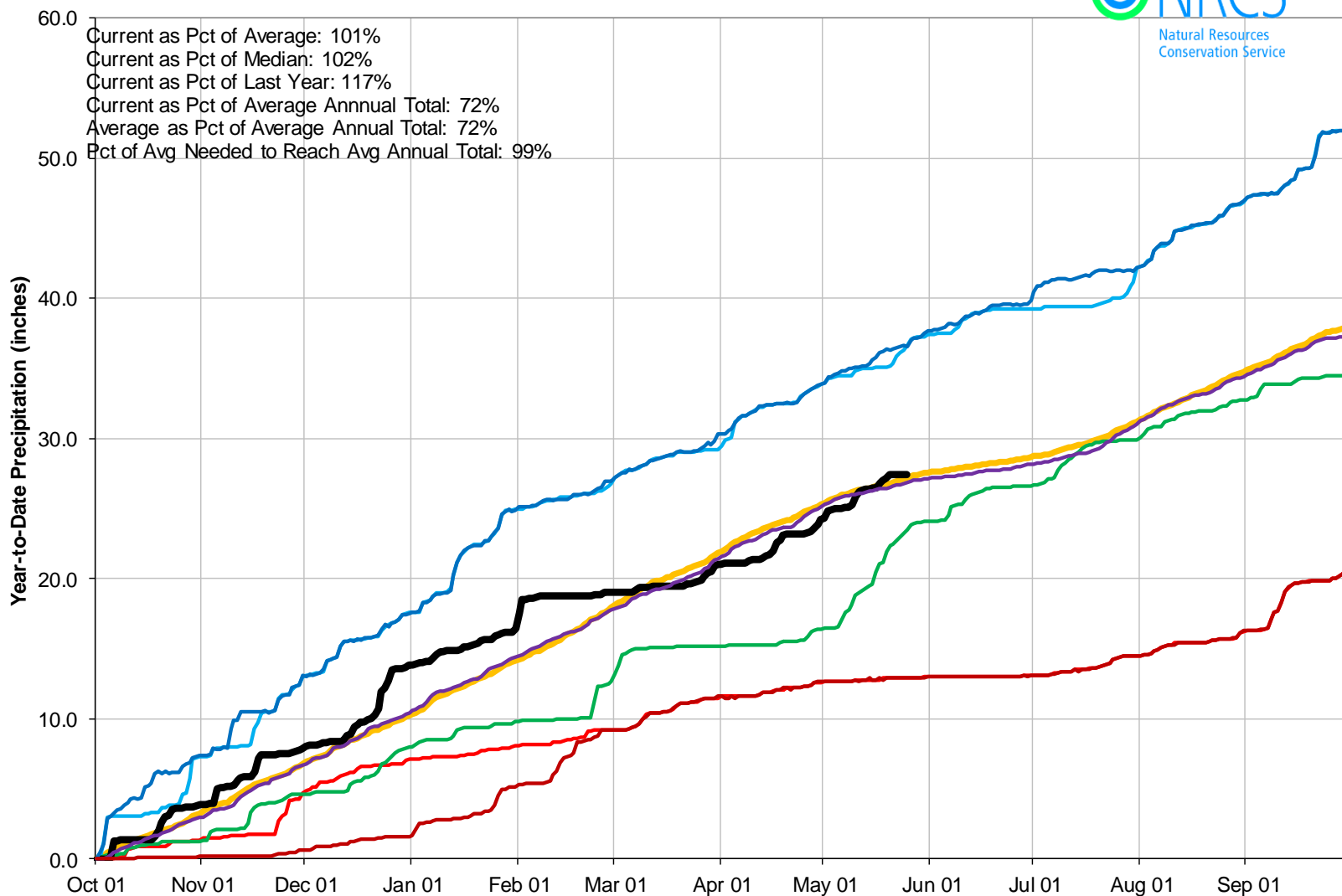


April PREC
94% of Average
May to date
171% of Average

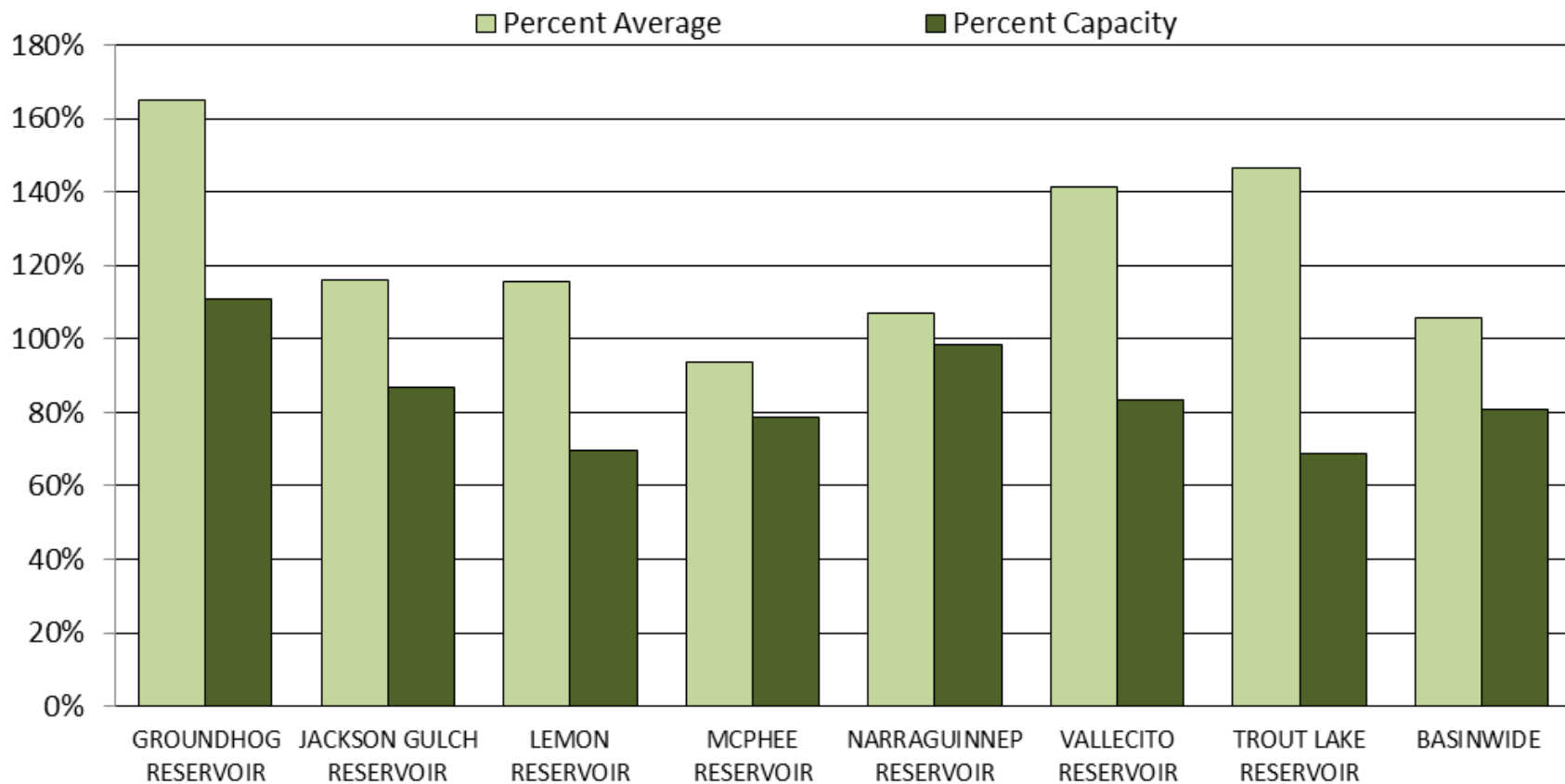


San Miguel, Dolores, Animas & San Juan River Basins High/Low Year-to-Date Precipitation Summary

Based on Provisional SNOTEL data as of May 25, 2016



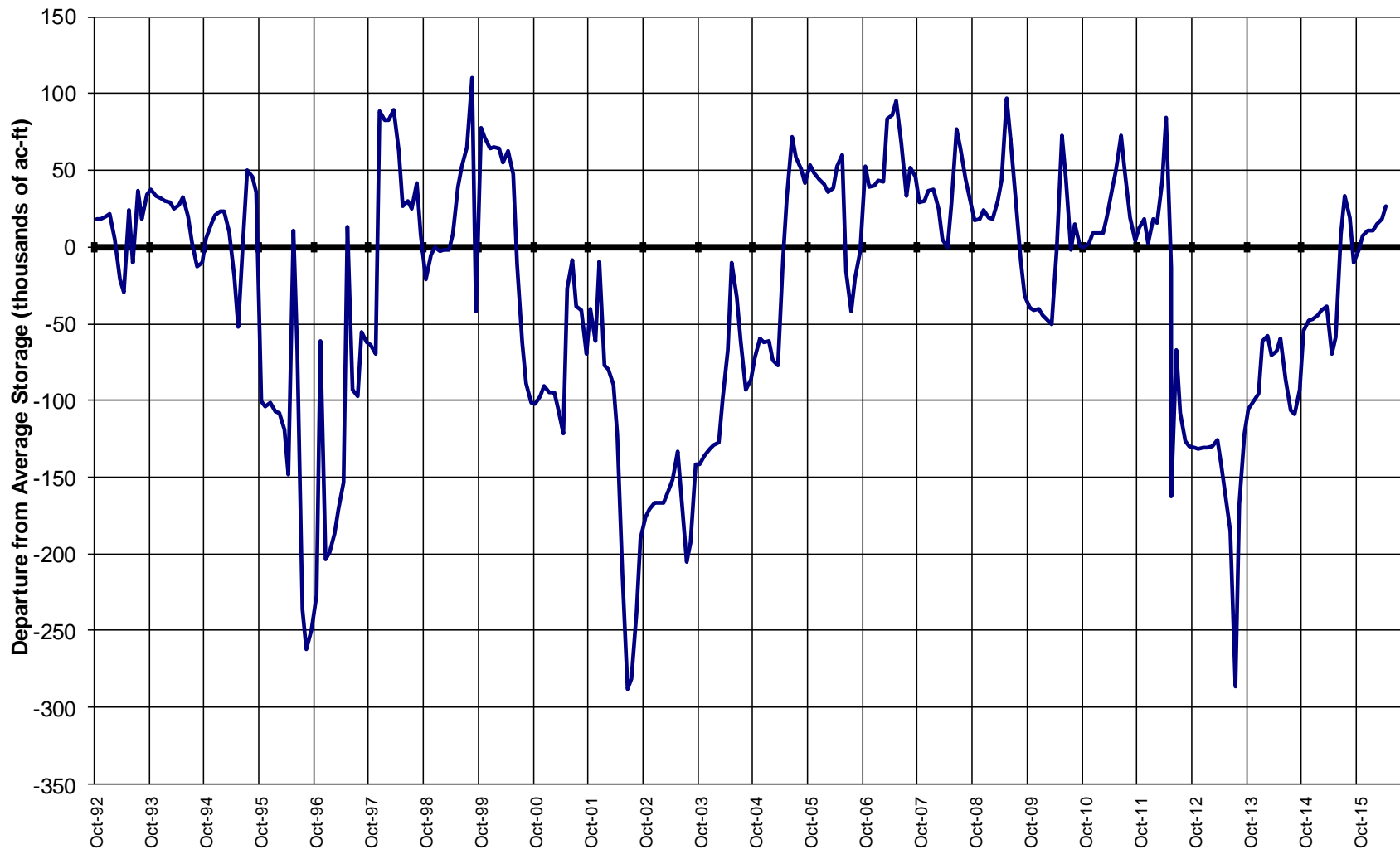
Reservoir Storage





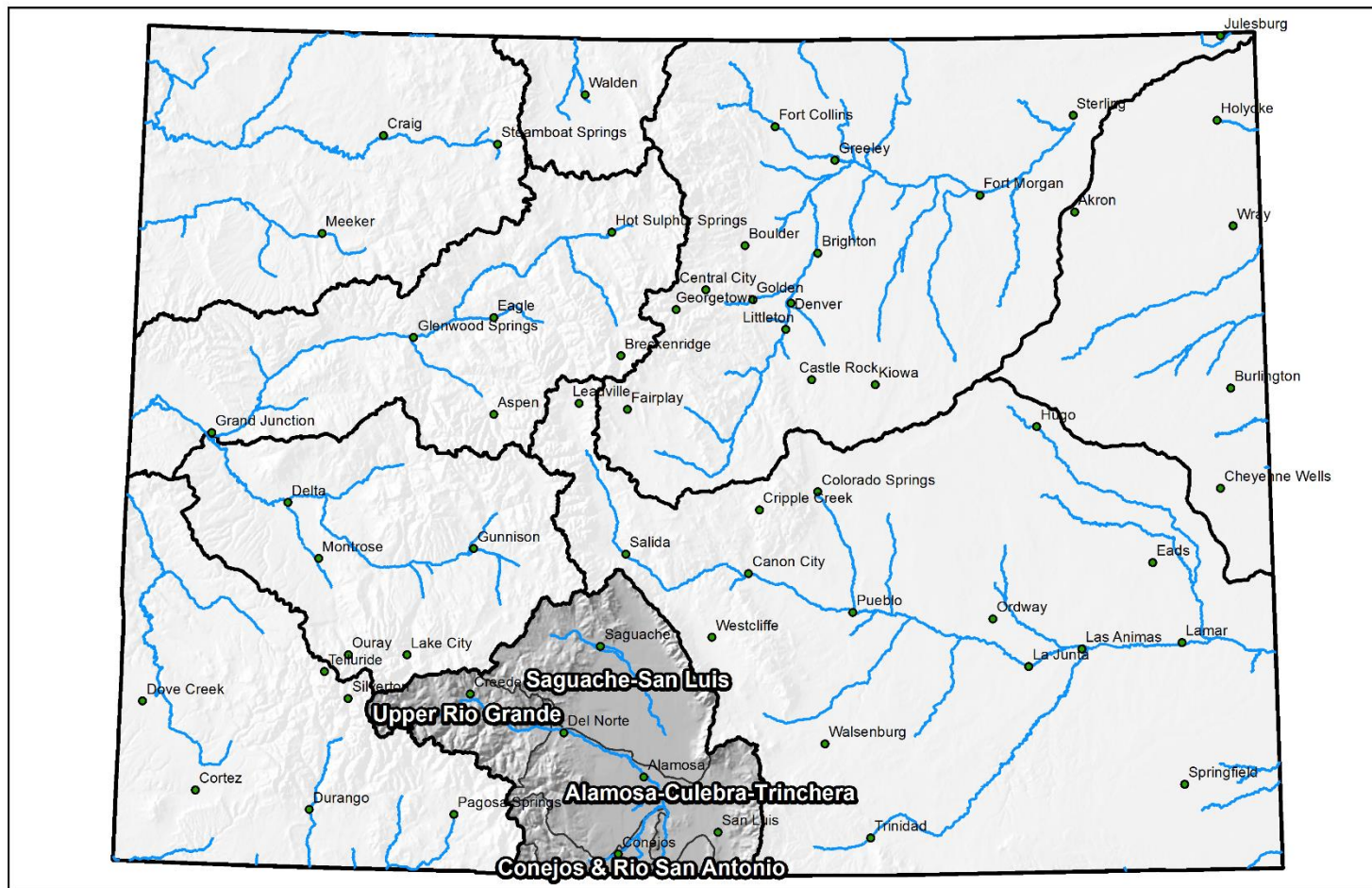
SAN MIGUEL, DOLORES, ANIMAS AND SAN JUAN RIVER BASINS

Reservoir Storage
Departure from Average

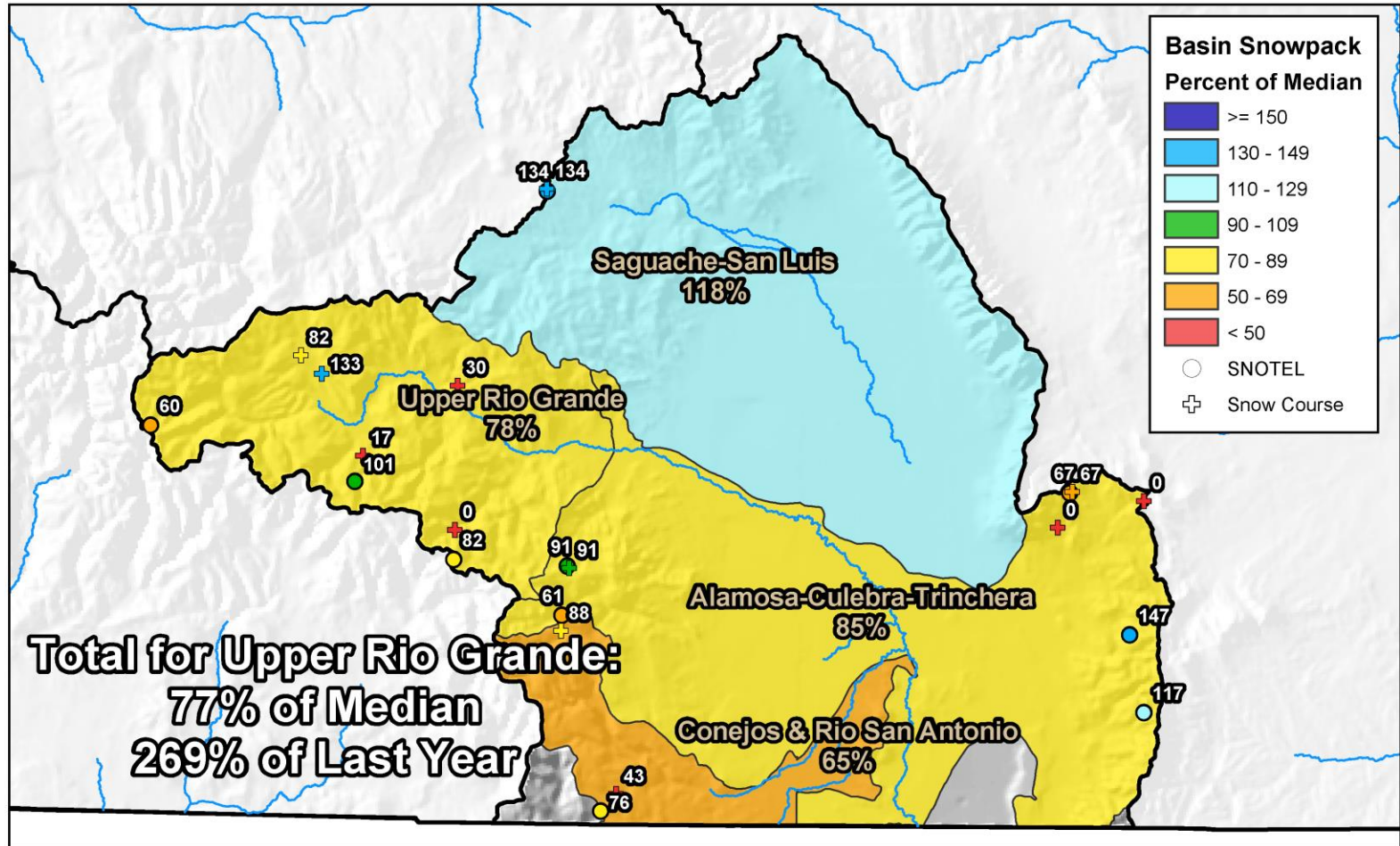


Major Basin Summary

Upper Rio Grande River Basin



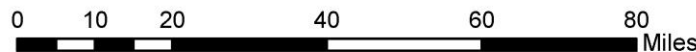
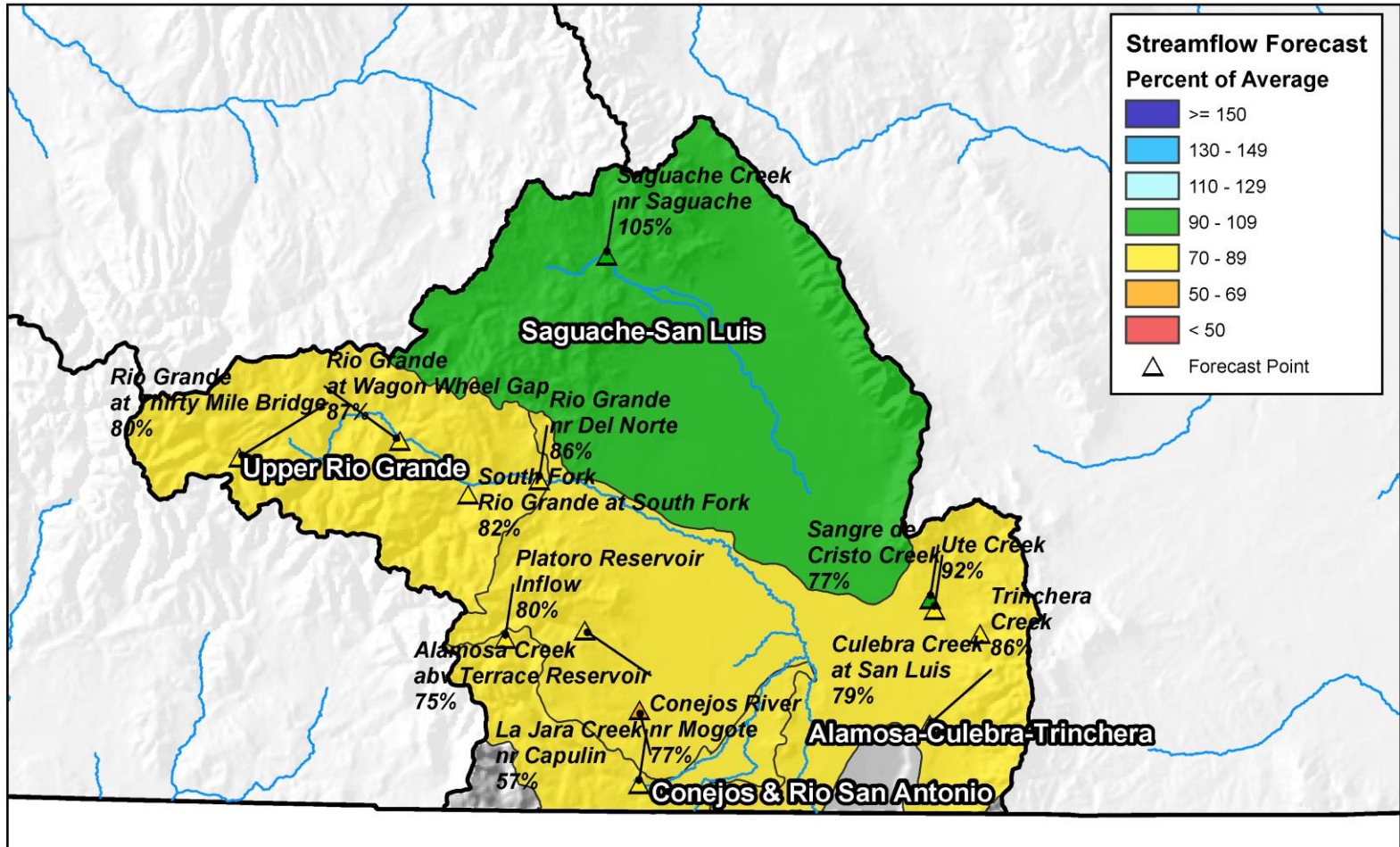
Upper Rio Grande River Basin Monthly Snowpack Summary May 1, 2016



0 5 10 20 30 40
Miles

Upper Rio Grande River Basin Streamflow Forecast Summary

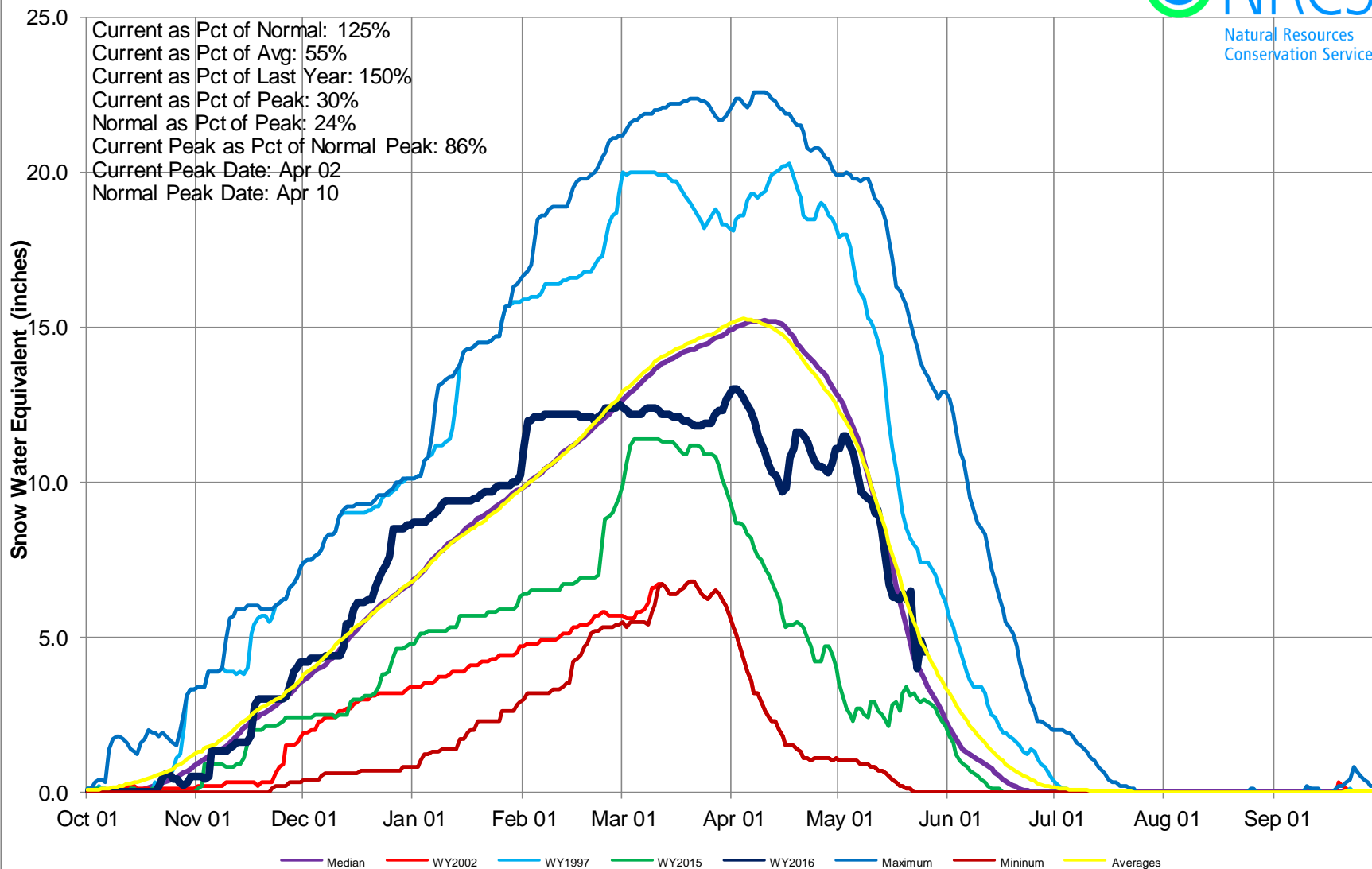
May 1, 2016





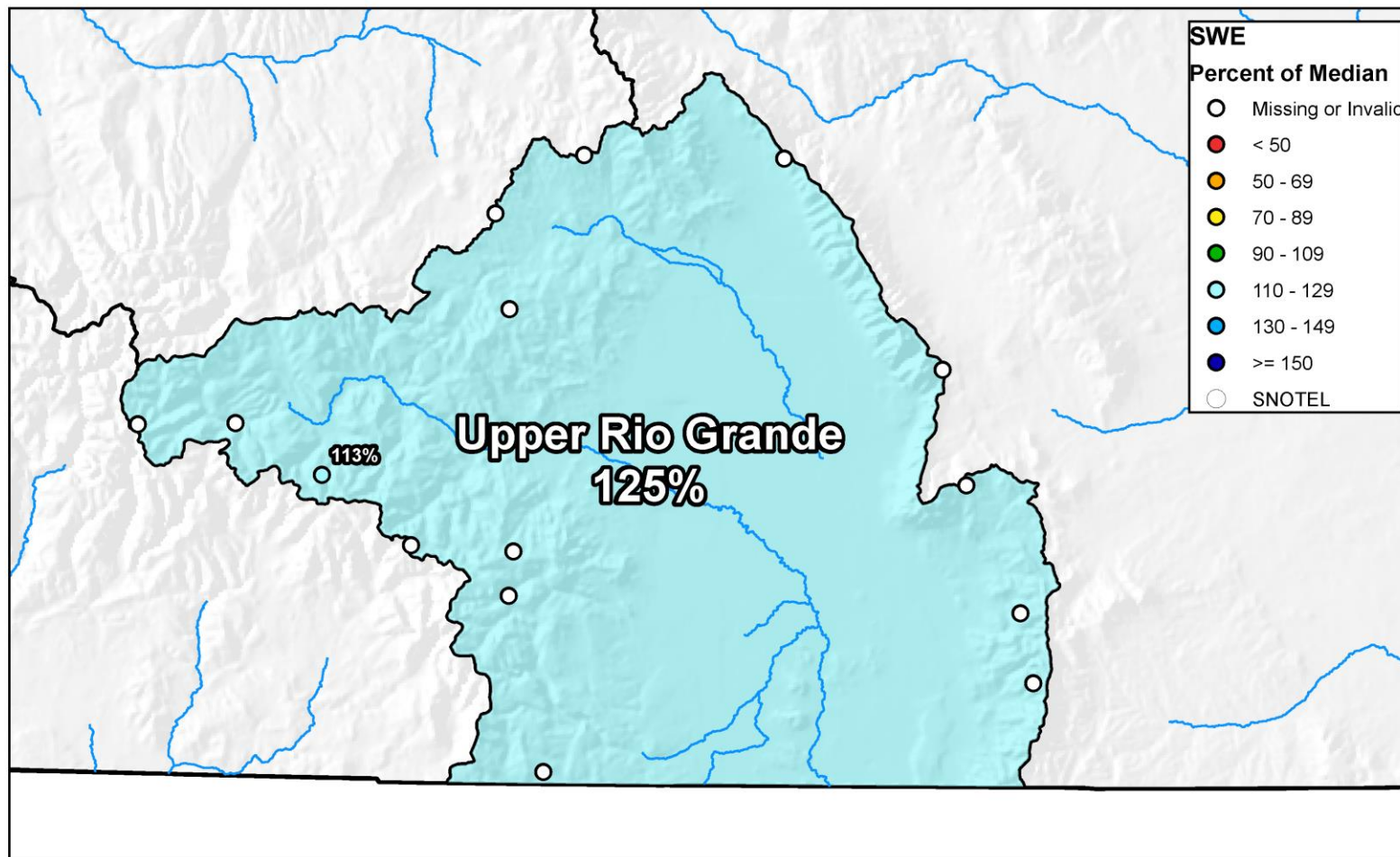
Upper Rio Grande Basin High/Low Snowpack Summary

Based on Provisional SNOTEL data as of May 25, 2016



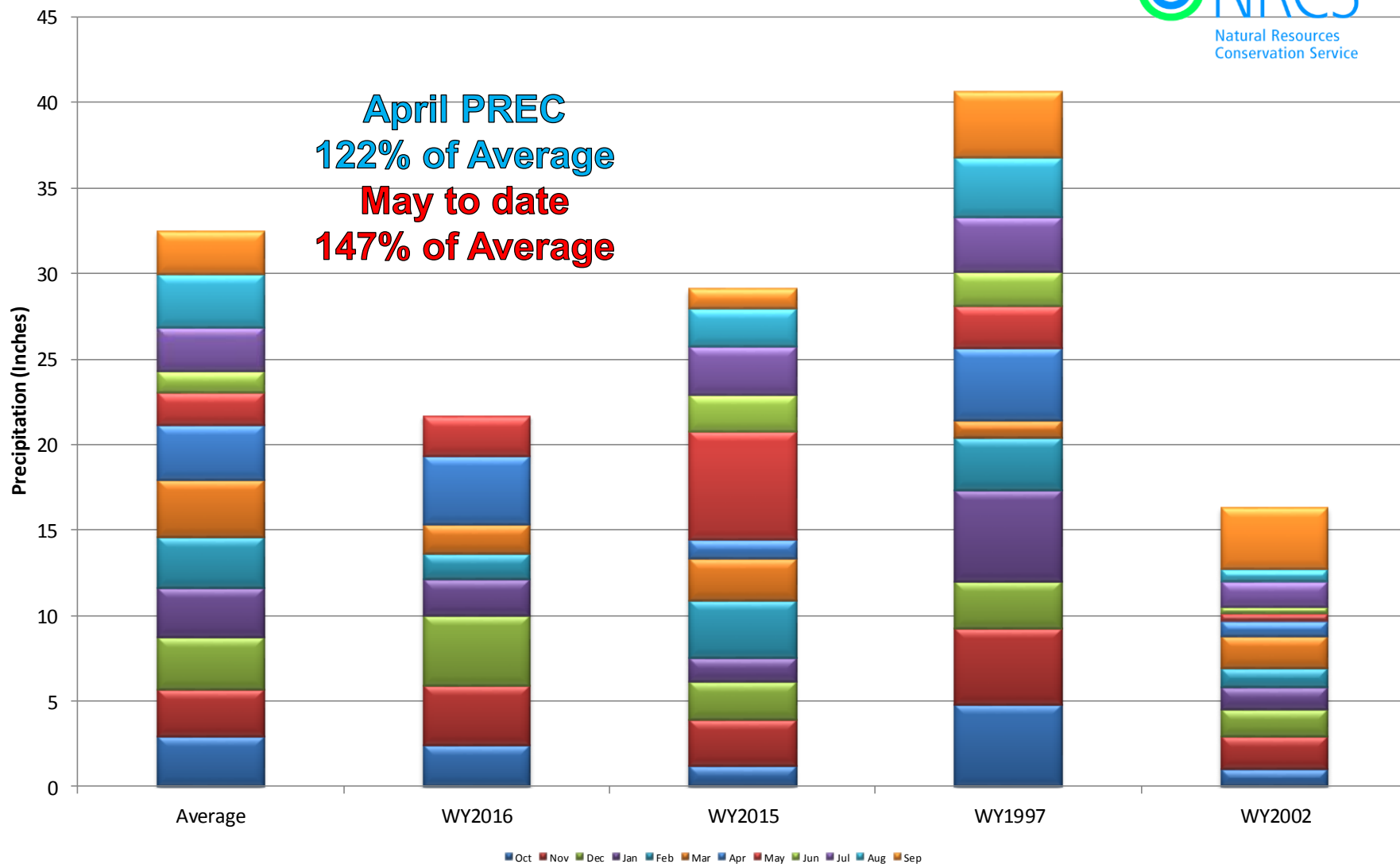
Upper Rio Grande River Basin Snow Water Equivalent (SWE) Summary

Current as of May 25, 2016



Upper Rio Grande Basin High/Low Monthly Precipitation Summary

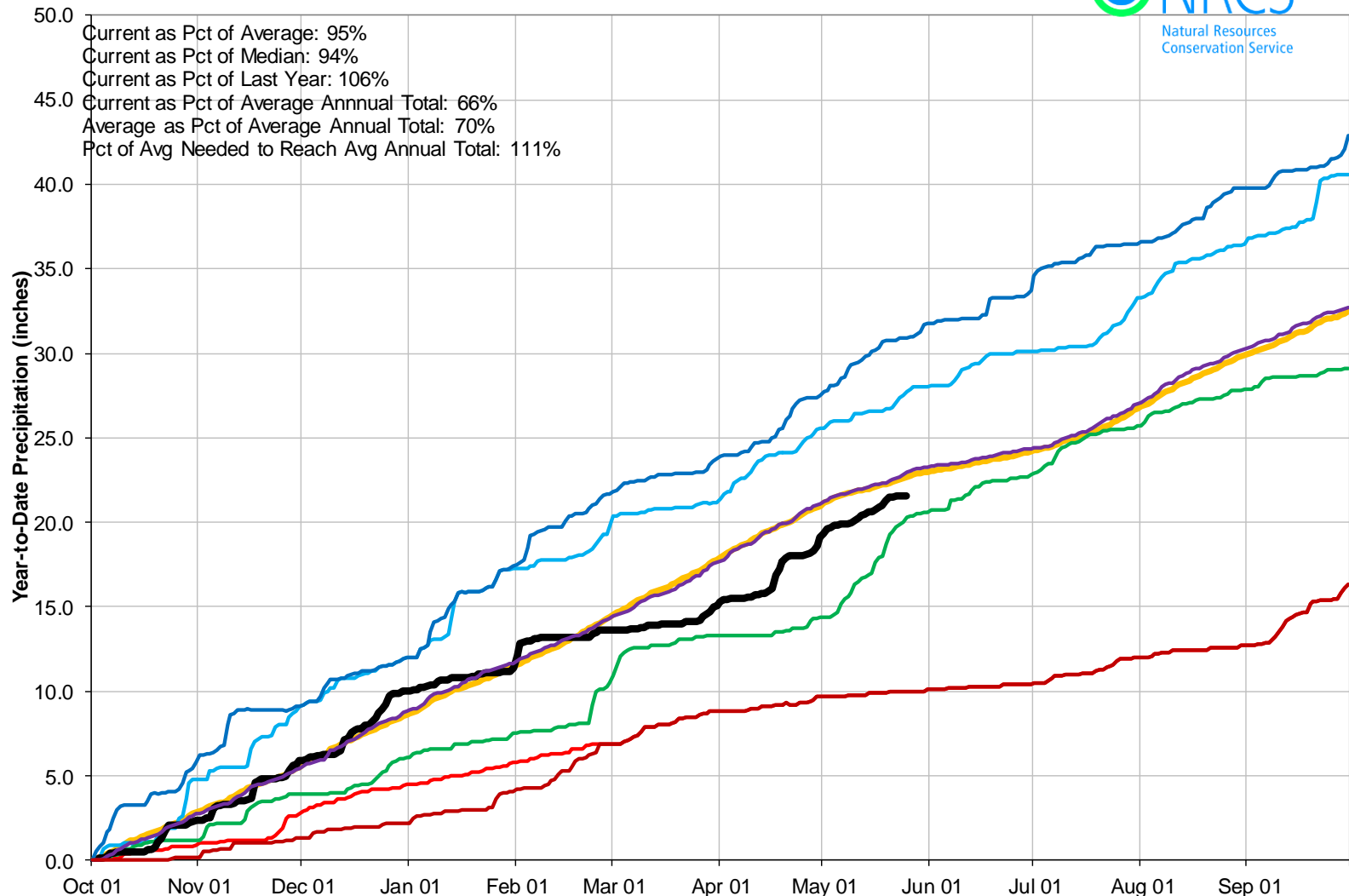
Based on Provisional SNOTEL data as of May 25, 2016

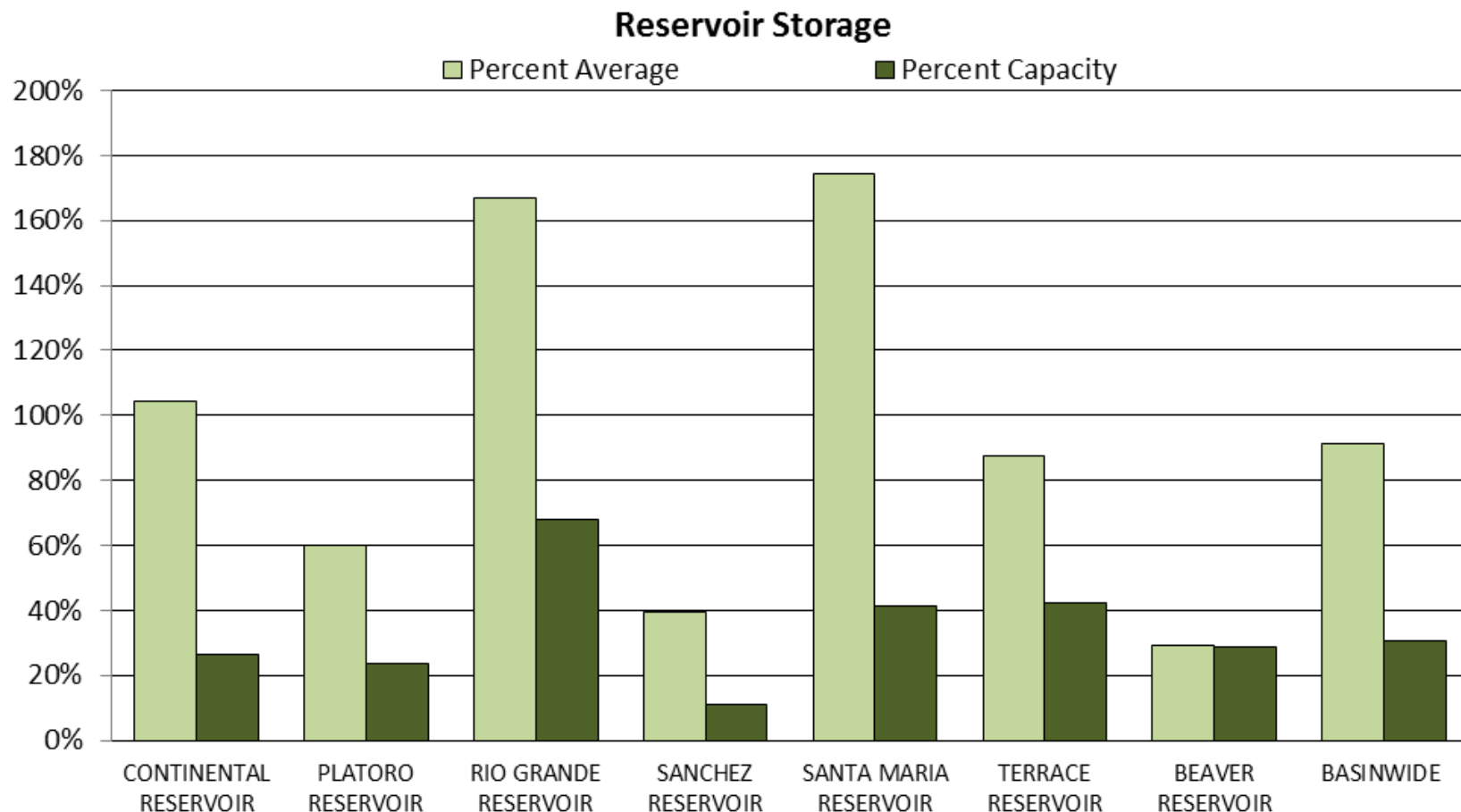




Upper Rio Grande Basin High/Low Year-to-Date Precipitation Summary

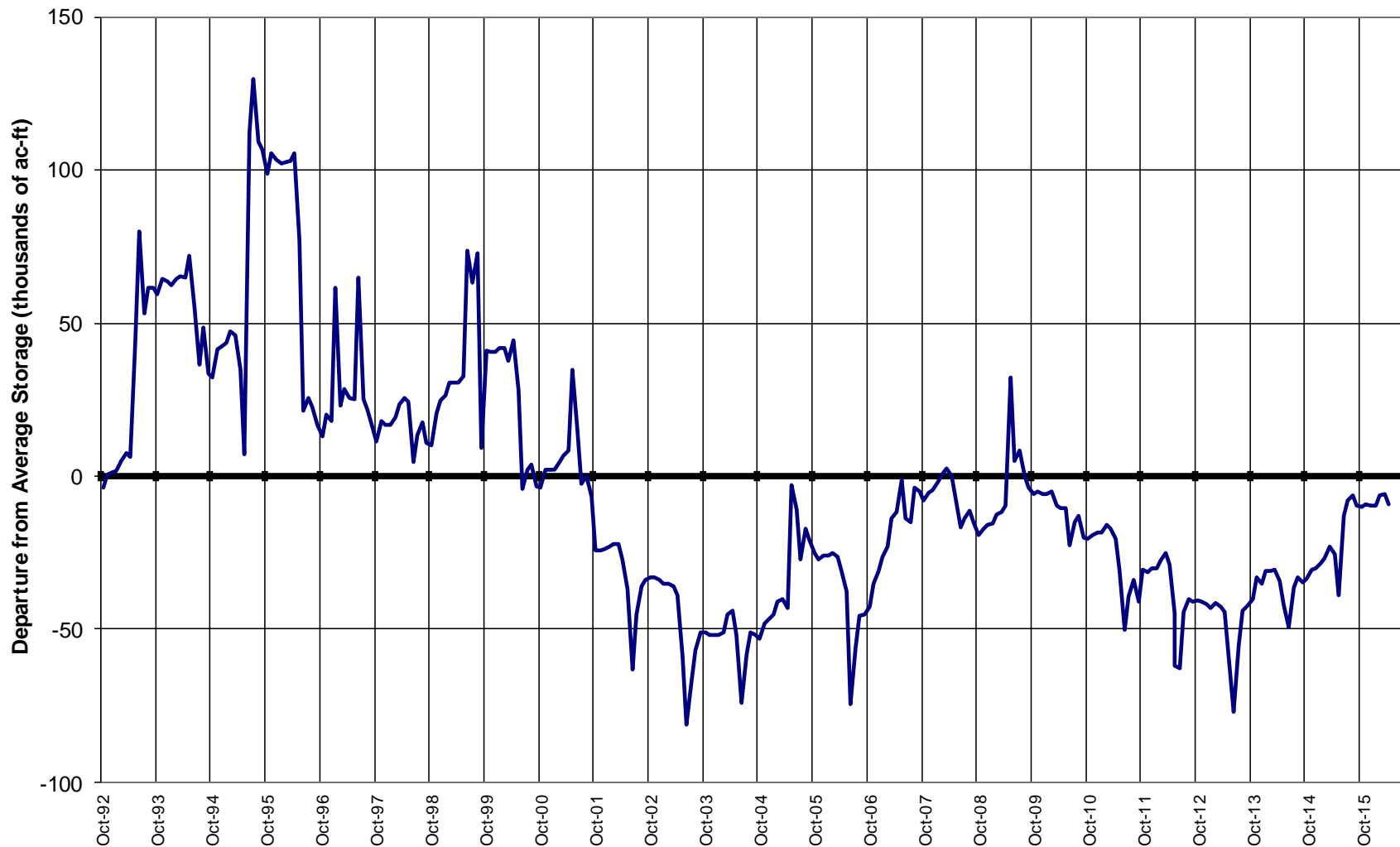
Based on Provisional SNOTEL data as of May 25, 2016





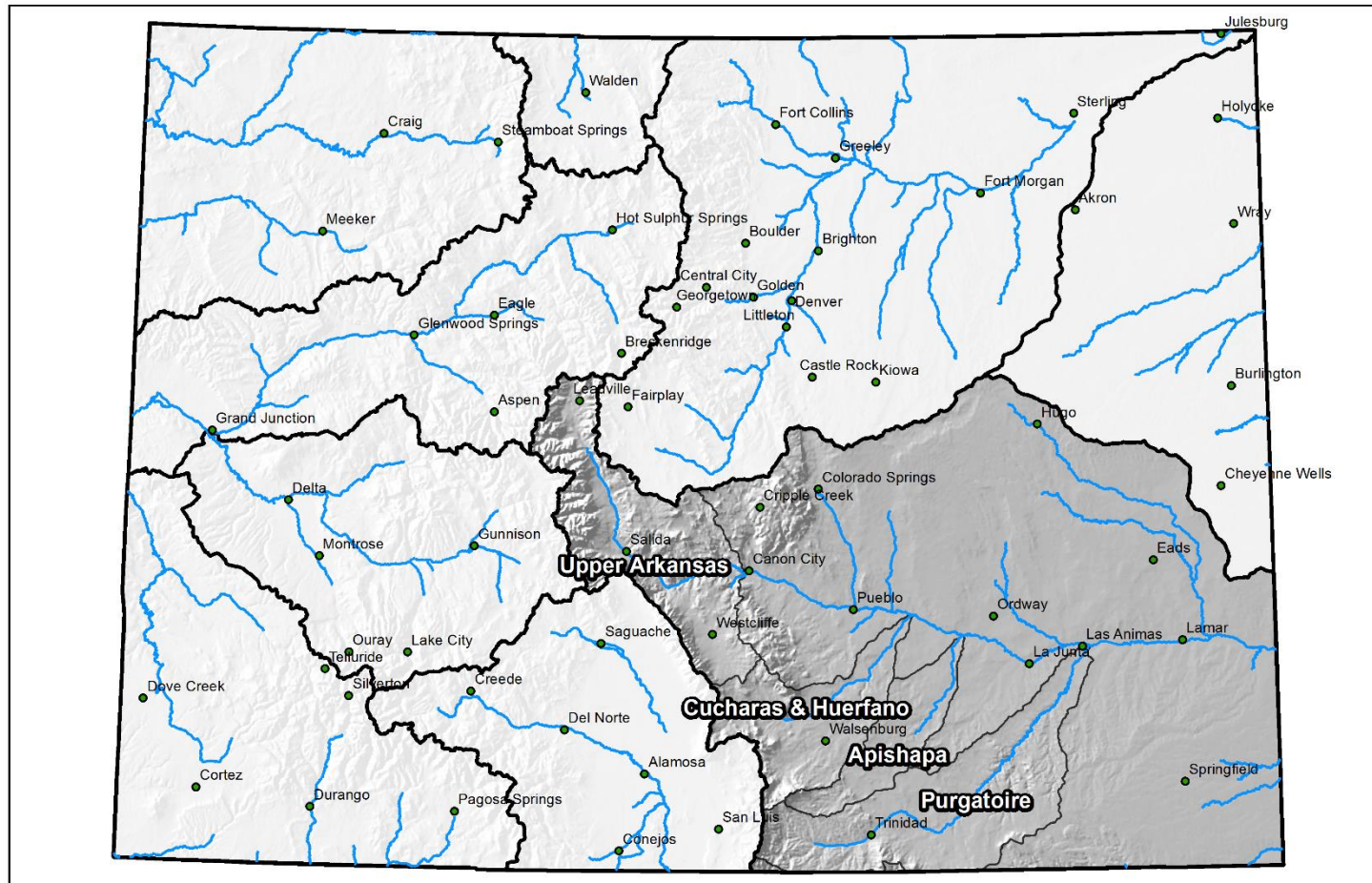


UPPER RIO GRANDE BASIN Reservoir Storage Departure from Average



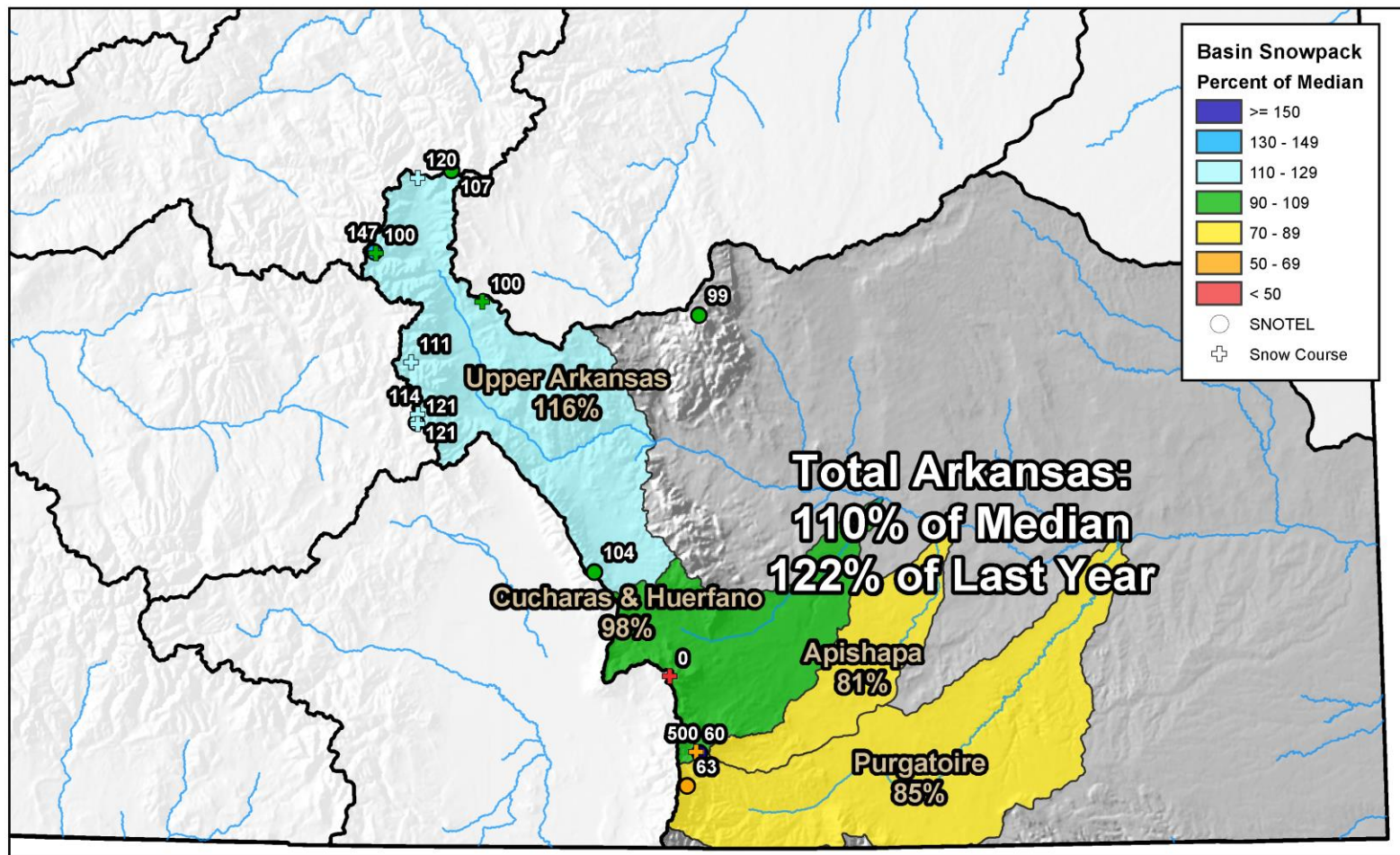
Major Basin Summary

Arkansas River Basin



0 25 50 100 150 200 Miles

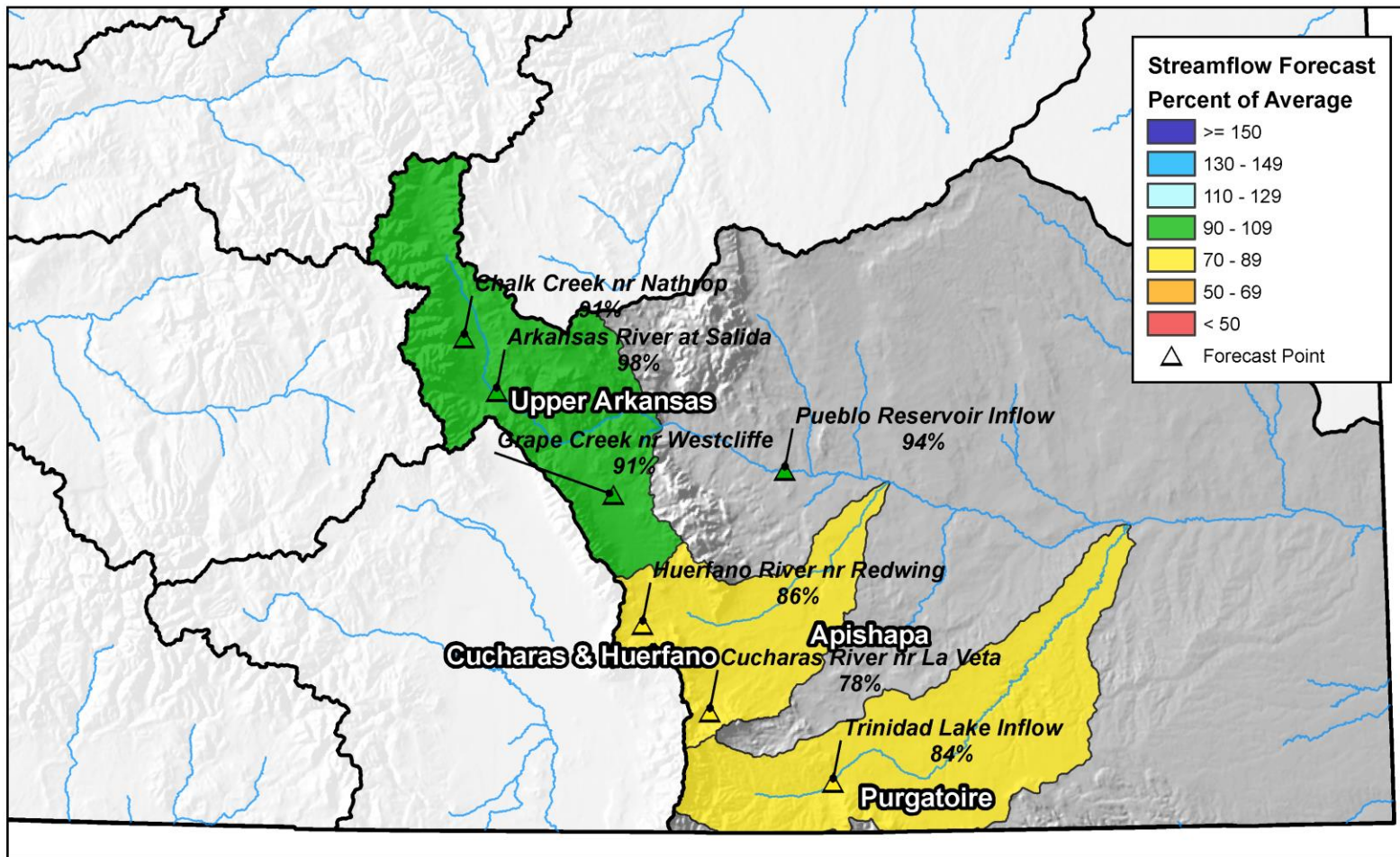
Arkansas River Basin Monthly Snowpack Summary May 1, 2016



0 10 20 40 60 80 Miles

Arkansas River Basin Streamflow Forecast Summary

May 1, 2016

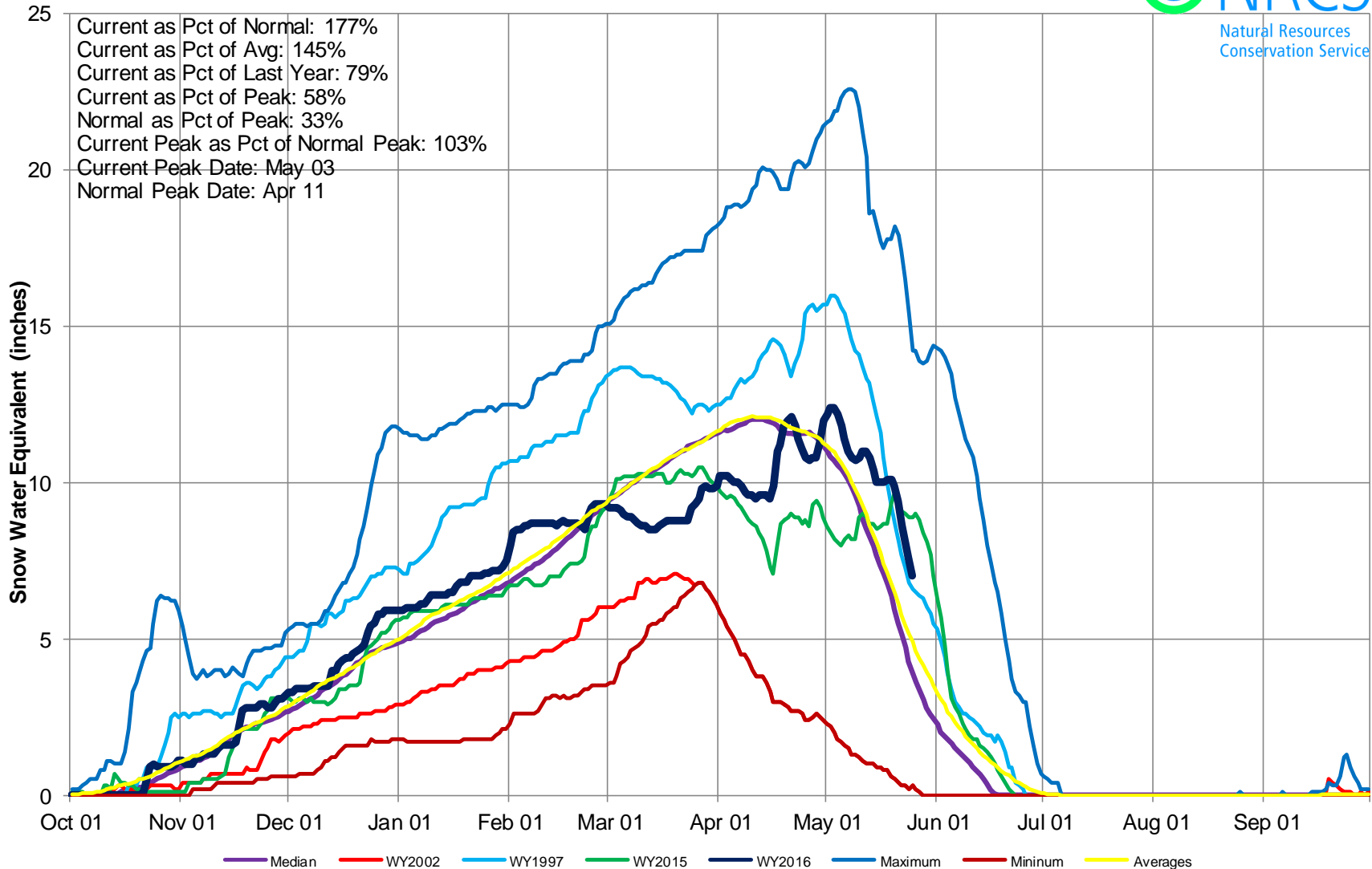


0 10 20 40 60 80 Miles



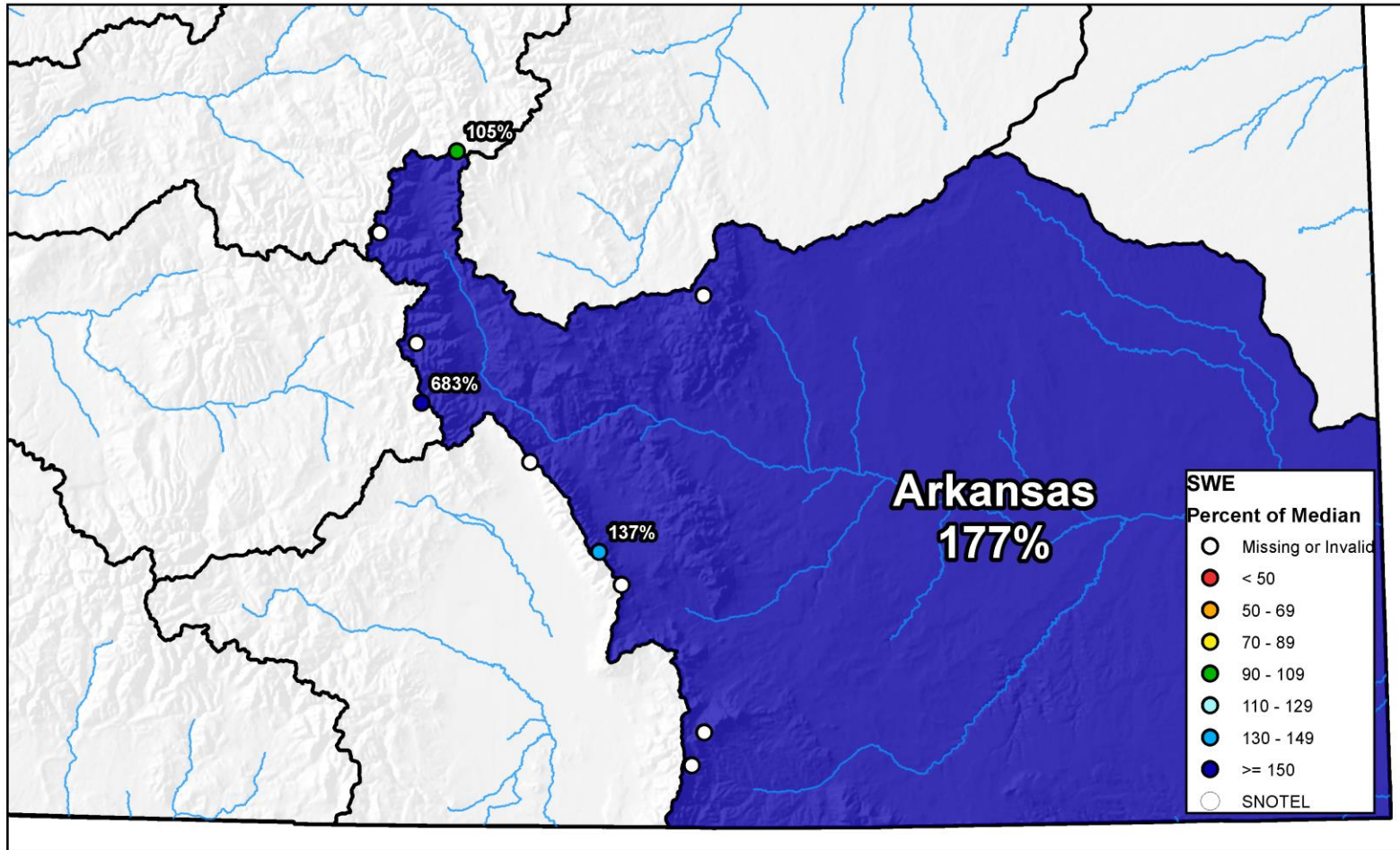
Arkansas River Basin High/Low Snowpack Summary

Based on Provisional SNOTEL data as of May 25, 2016



Arkansas River Basin Snow Water Equivalent (SWE) Summary

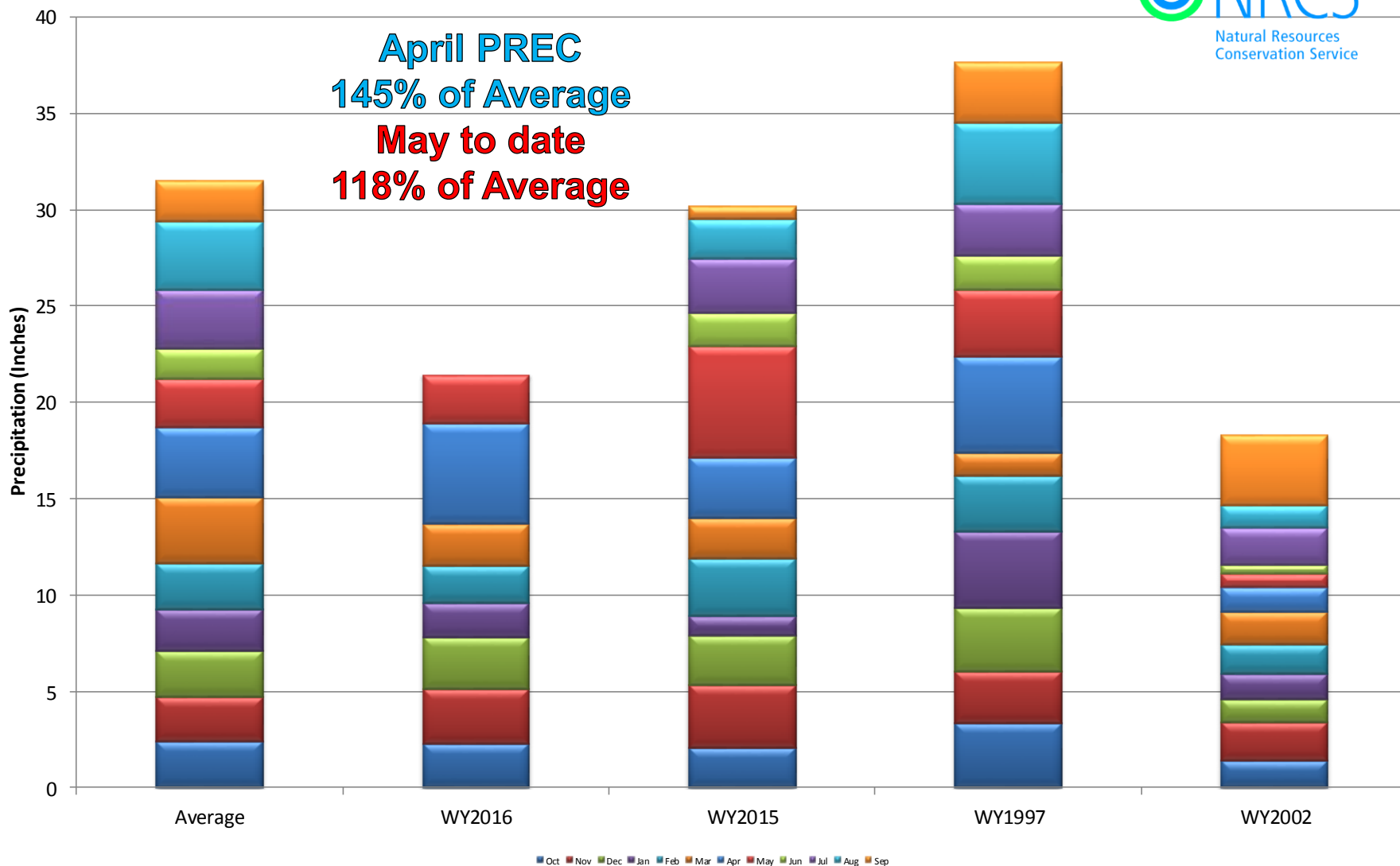
Current as of May 25, 2016



0 10 20 40 60 80
Miles

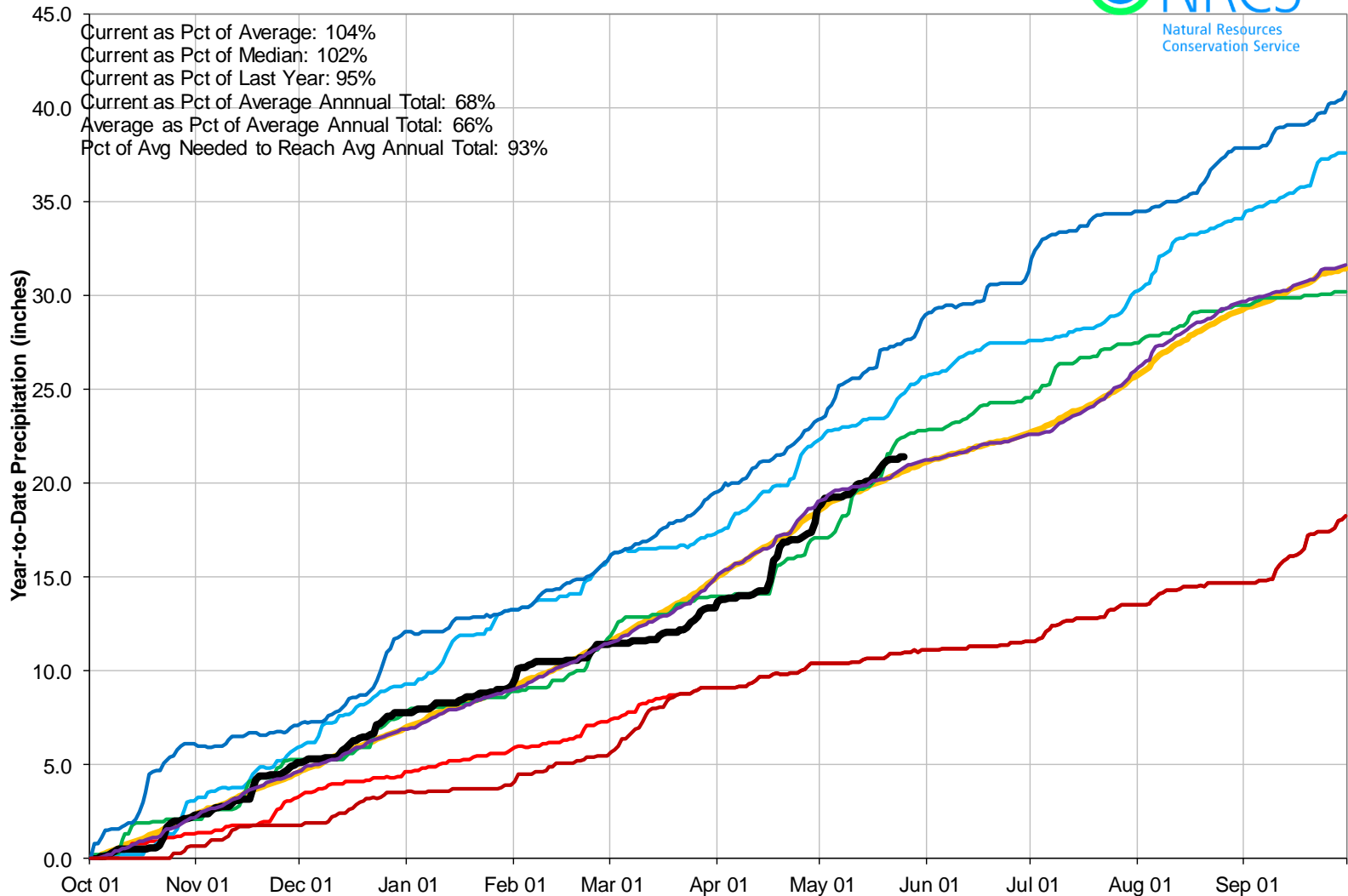
Arkansas River Basin High/Low Monthly Precipitation Summary

Based on Provisional SNOTEL data as of May 25, 2016



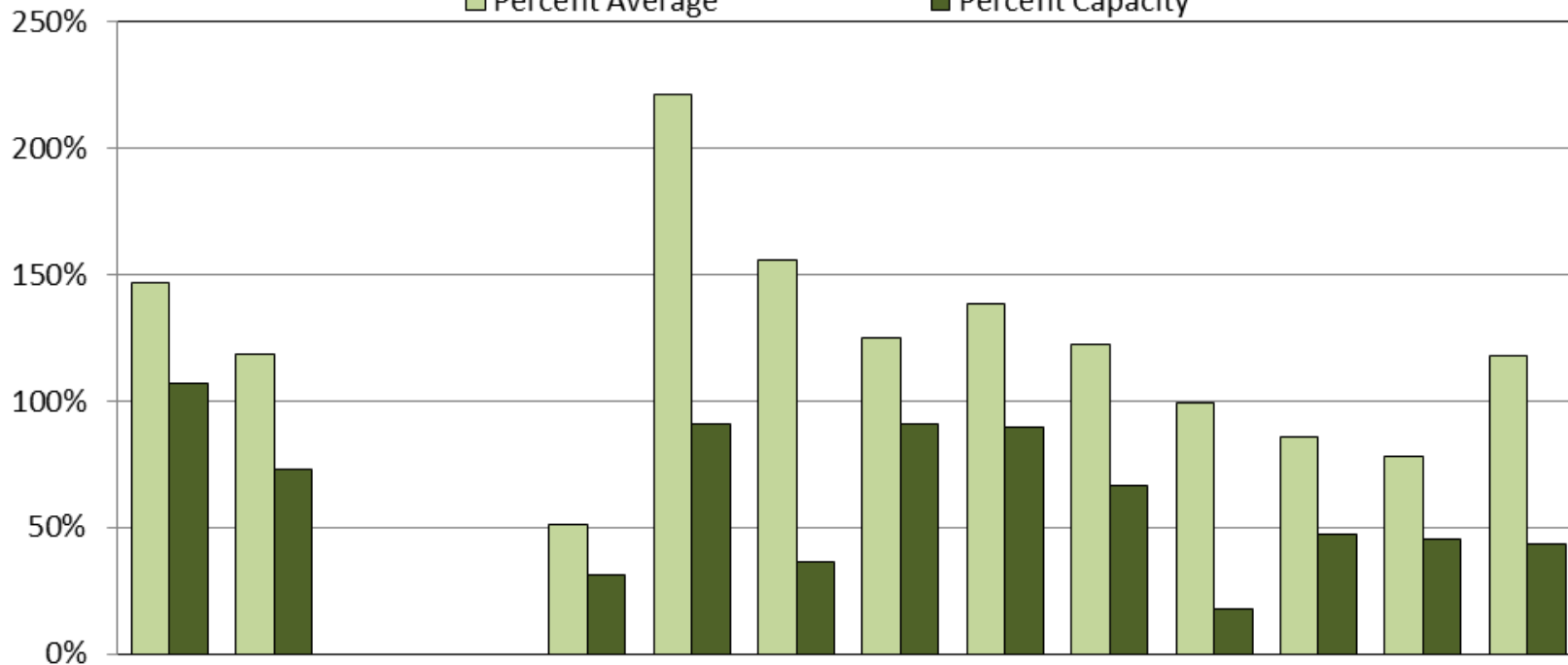
Arkansas River Basin High/Low Year-to-Date Precipitation Summary

Based on Provisional SNOTEL data as of May 25, 2016



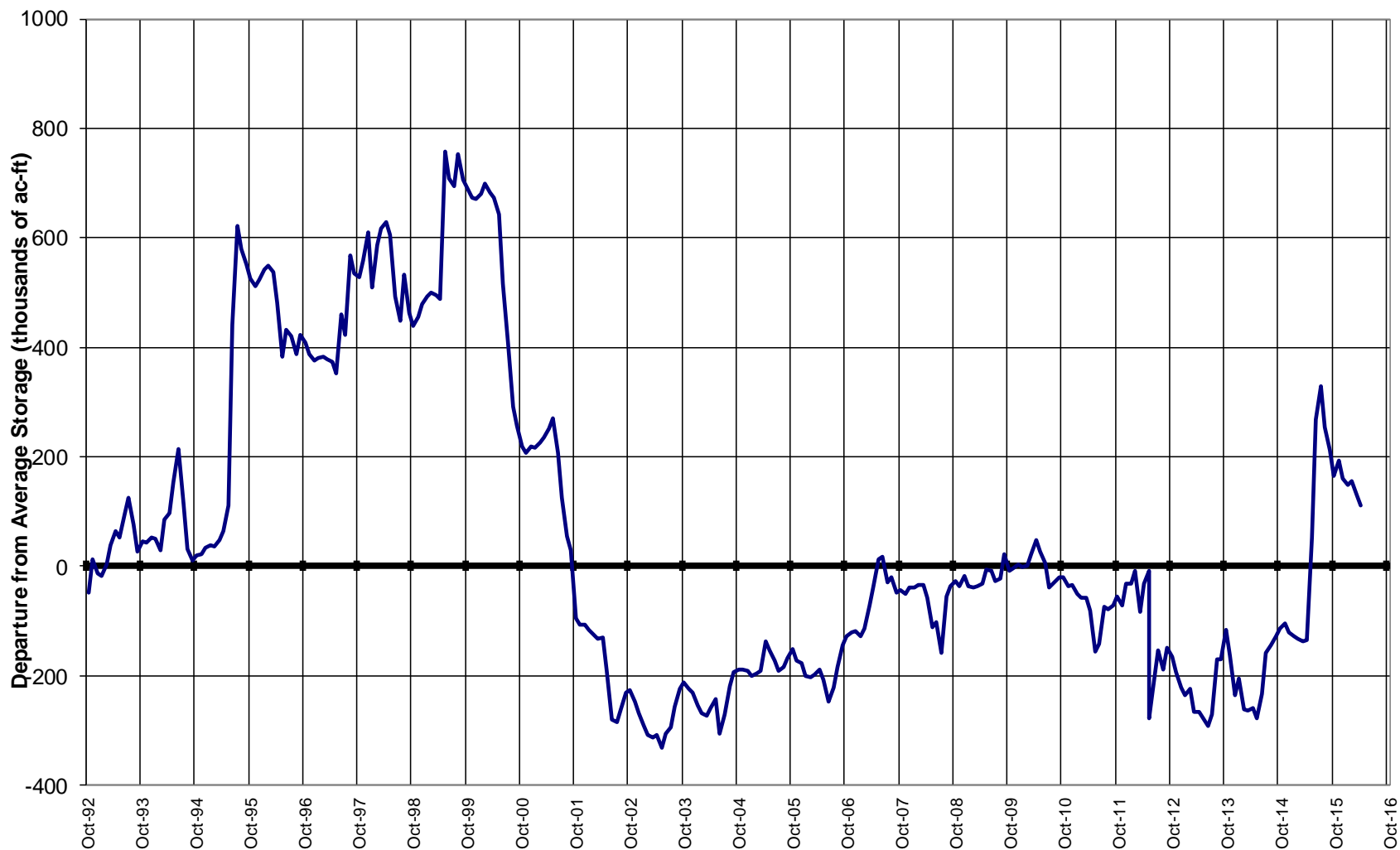
Reservoir Storage

■ Percent Average ■ Percent Capacity



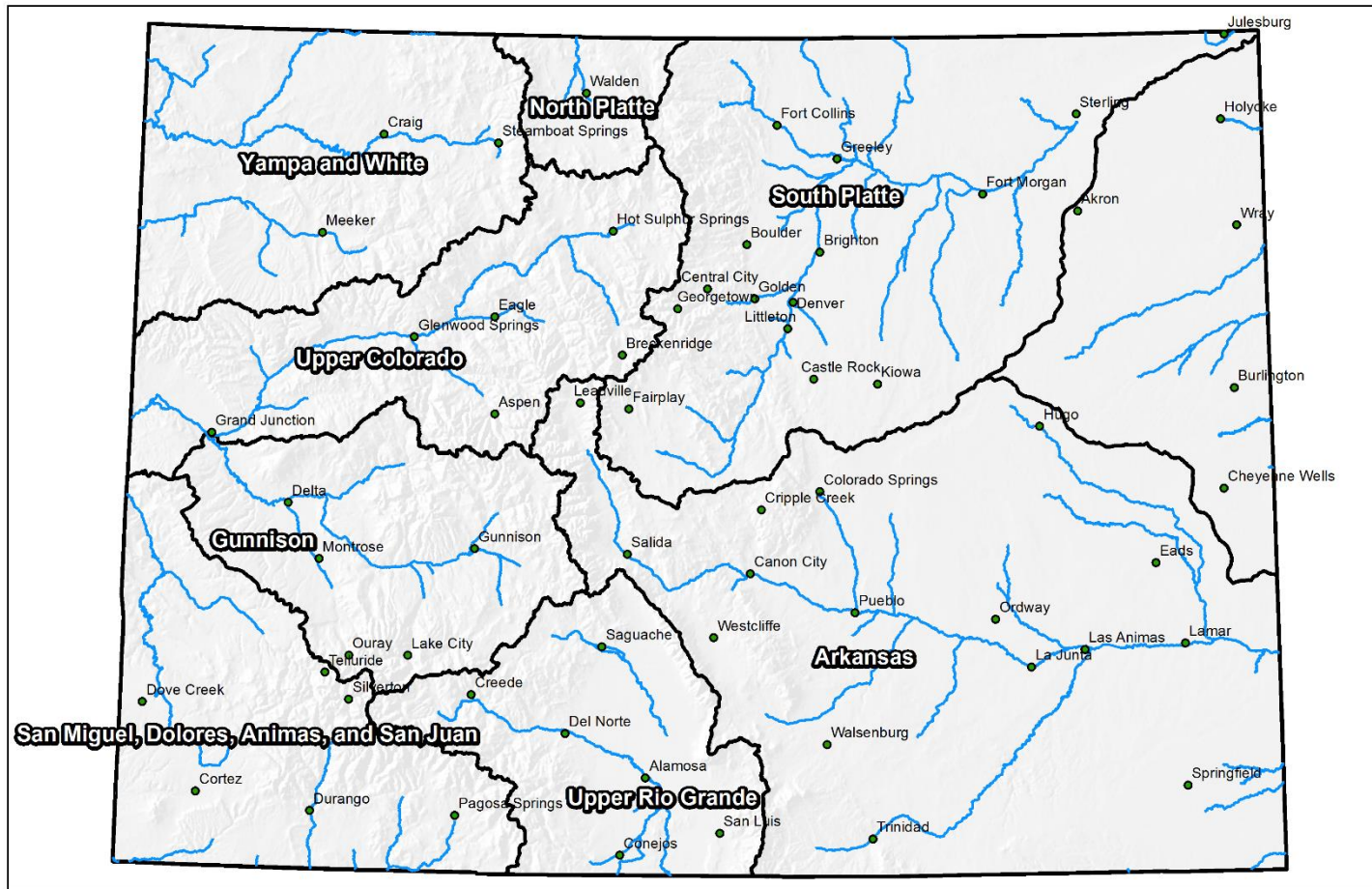


ARKANSAS RIVER BASIN Reservoir Storage Departure from Average



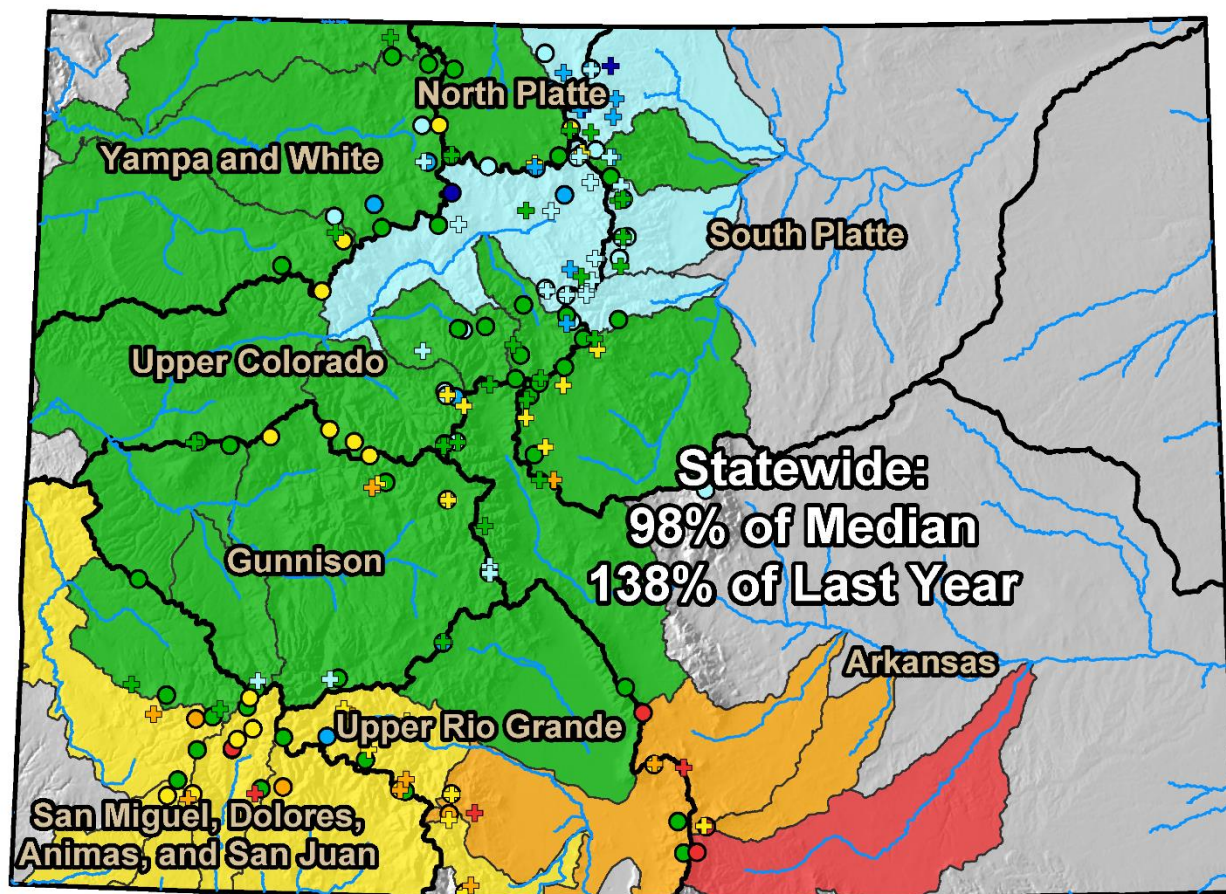
Colorado Statewide Summary

Colorado Major Basins



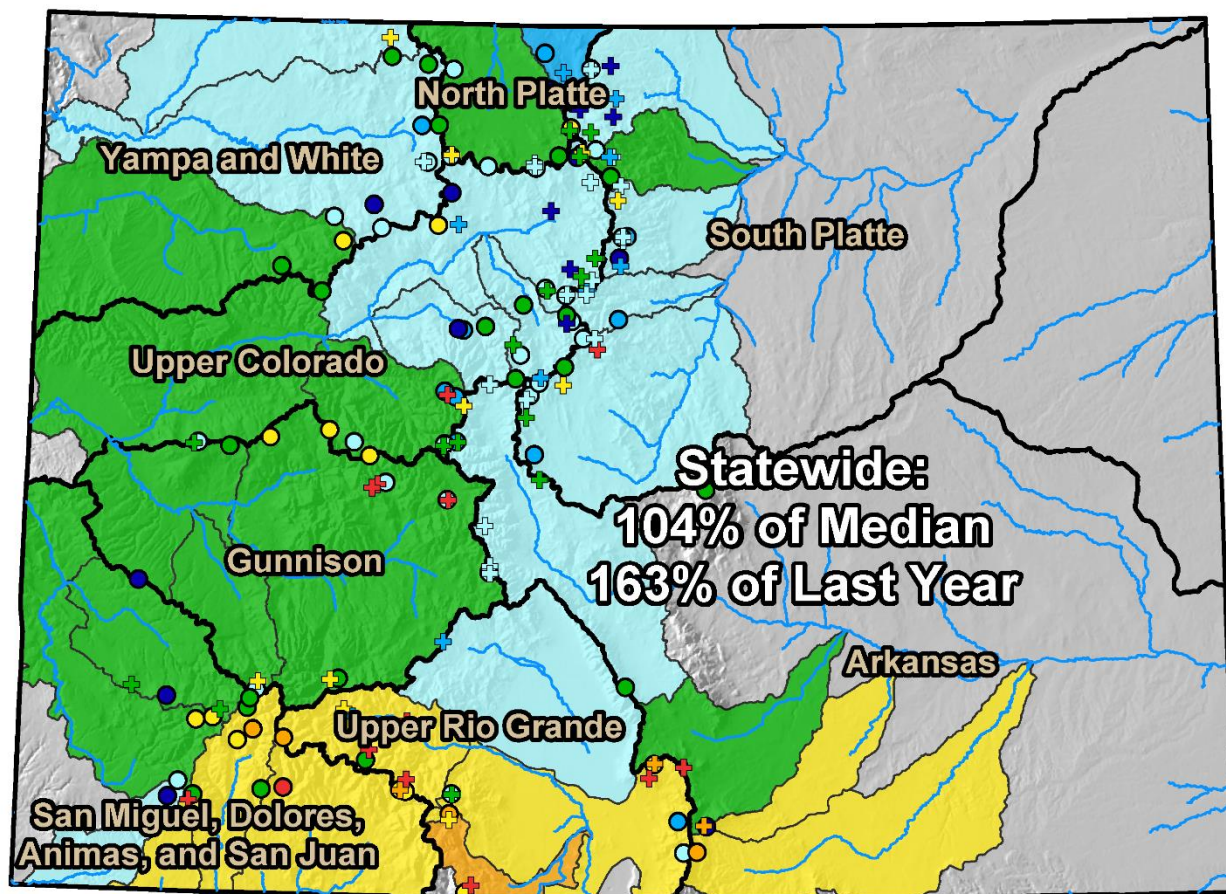
0 25 50 100 150 200 Miles

Colorado Monthly Snowpack Summary April 1, 2016



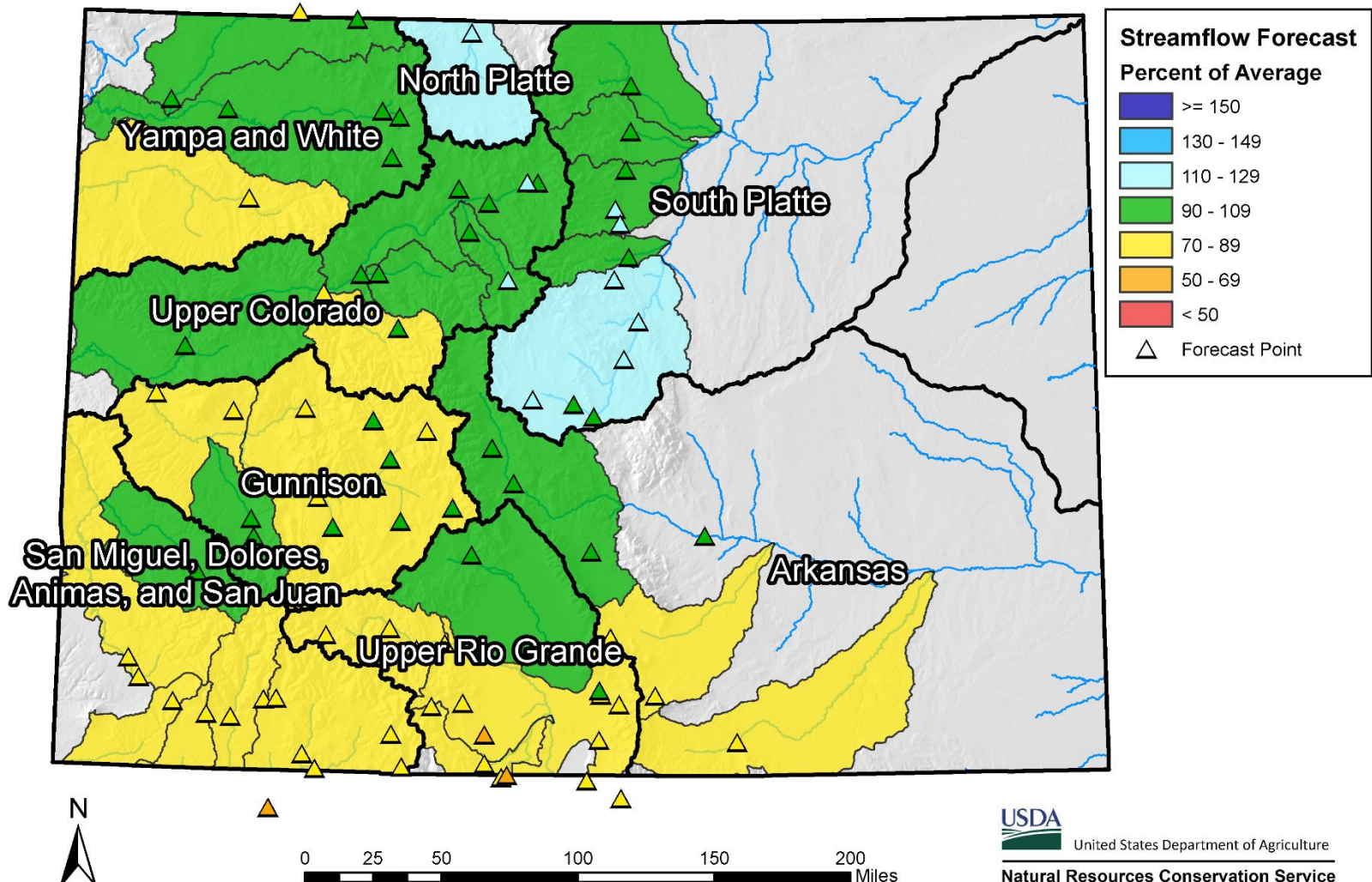
0 25 50 100 150 200 Miles

Colorado Monthly Snowpack Summary May 1, 2016



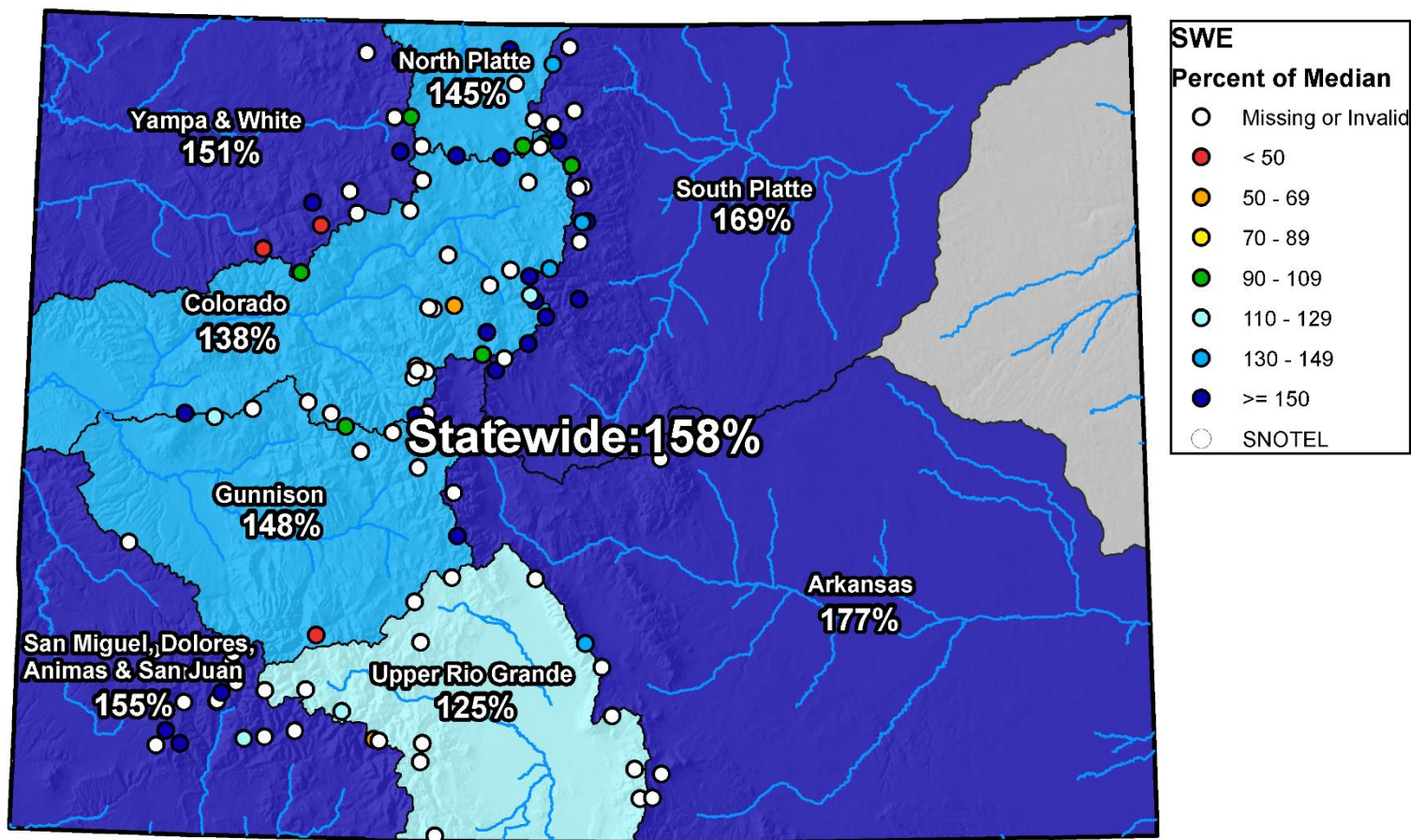
0 25 50 100 150 200 Miles

Colorado Streamflow Forecasts Summary May 1, 2016



Colorado SNOTEL Snow Water Equivalent (SWE) Update Map with Site Data

Current as of May 25, 2016

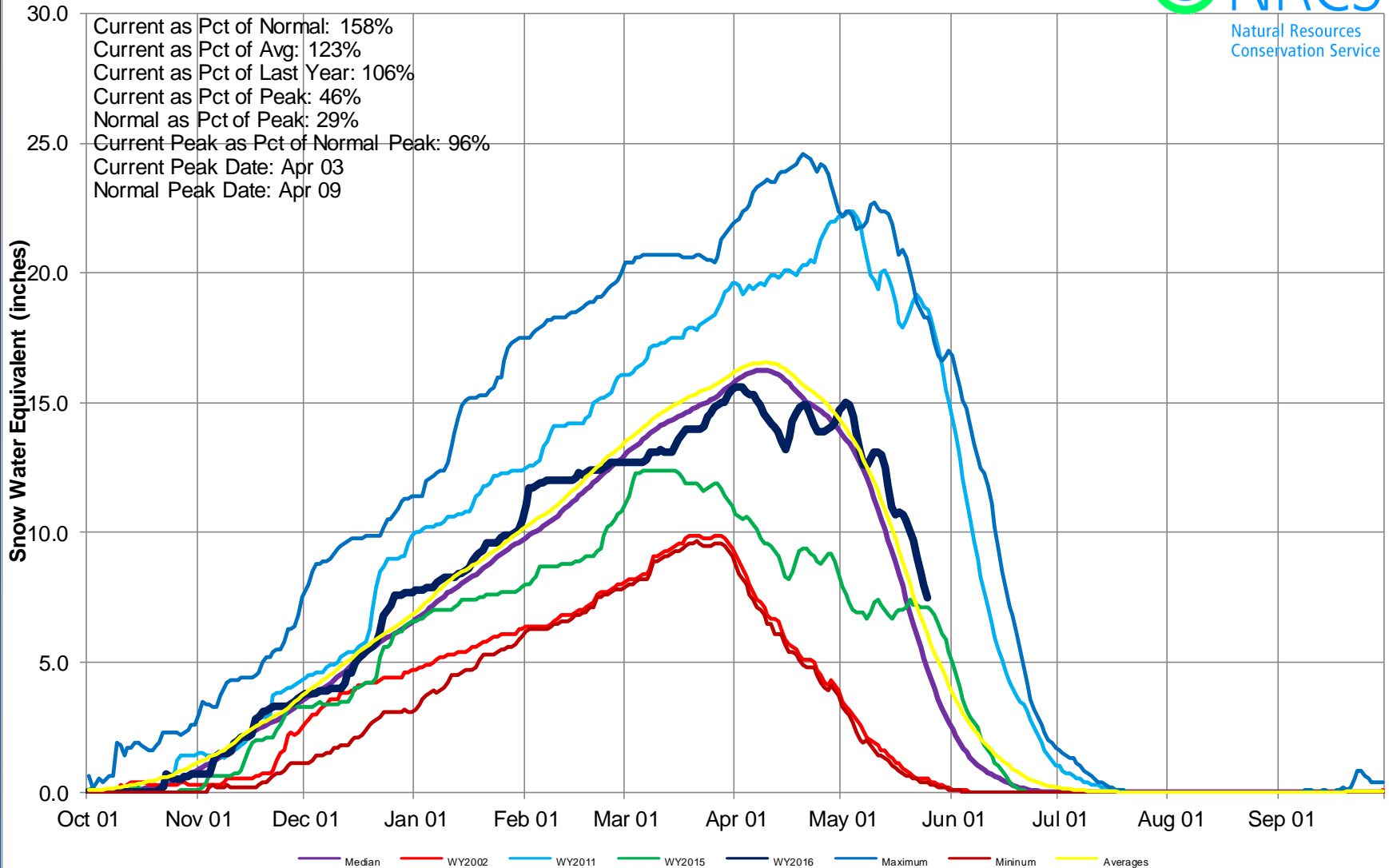


0 25 50 100 150 200 Miles



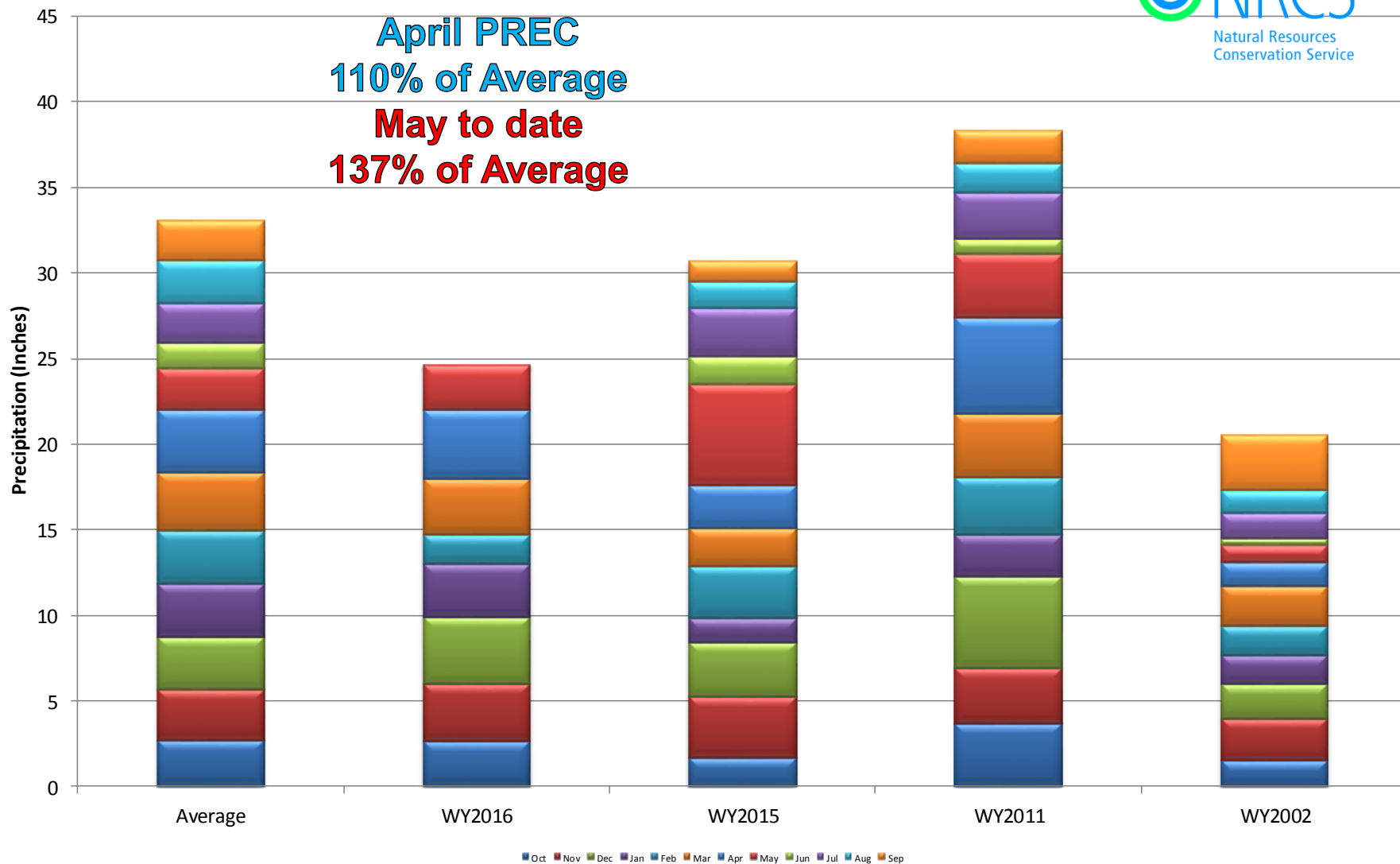
Colorado Statewide High/Low Snowpack Summary

Based on Provisional SNOTEL data as of May 25, 2016



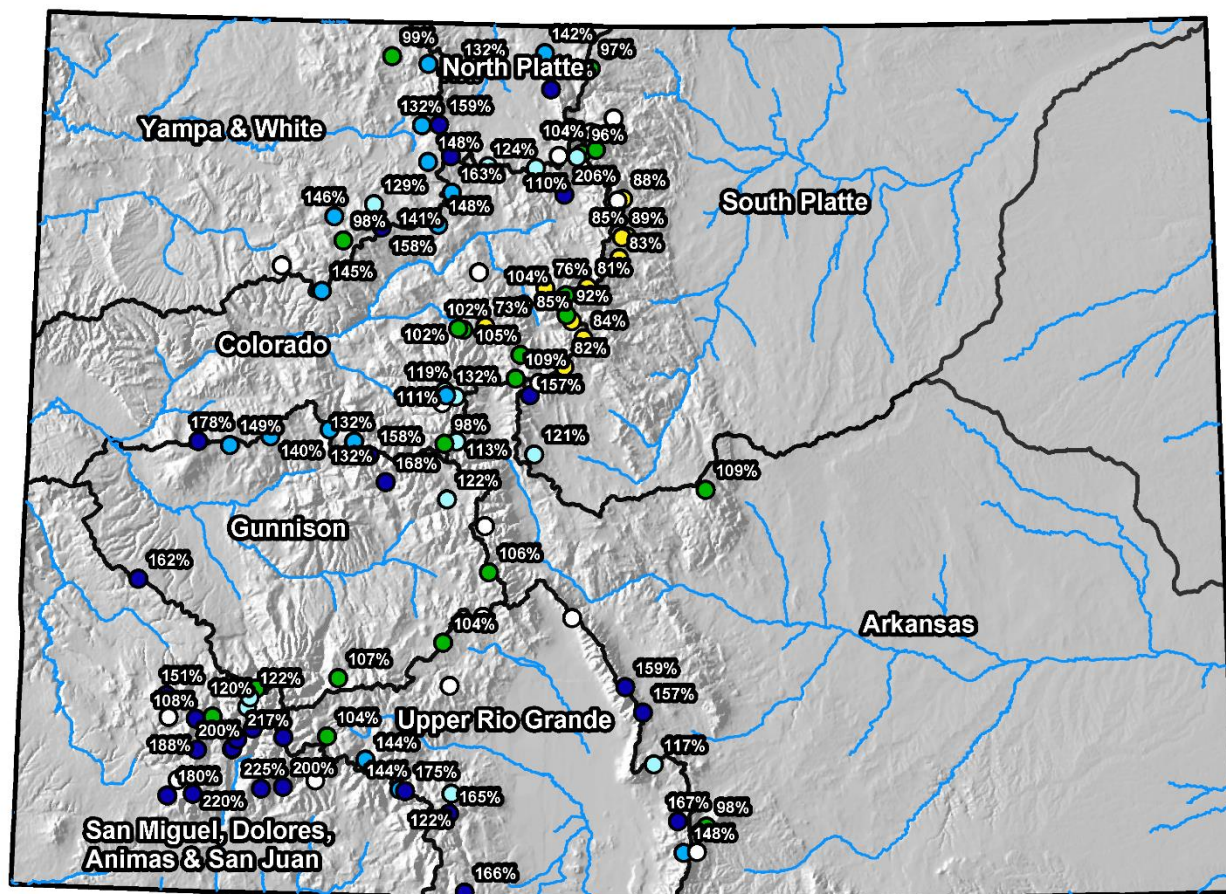
Colorado Statewide High/Low Monthly Precipitation Summary

Based on Provisional SNOTEL data as of May 25, 2016



Colorado SNOTEL Month-to-Date Precipitation

Current as of May 25, 2016

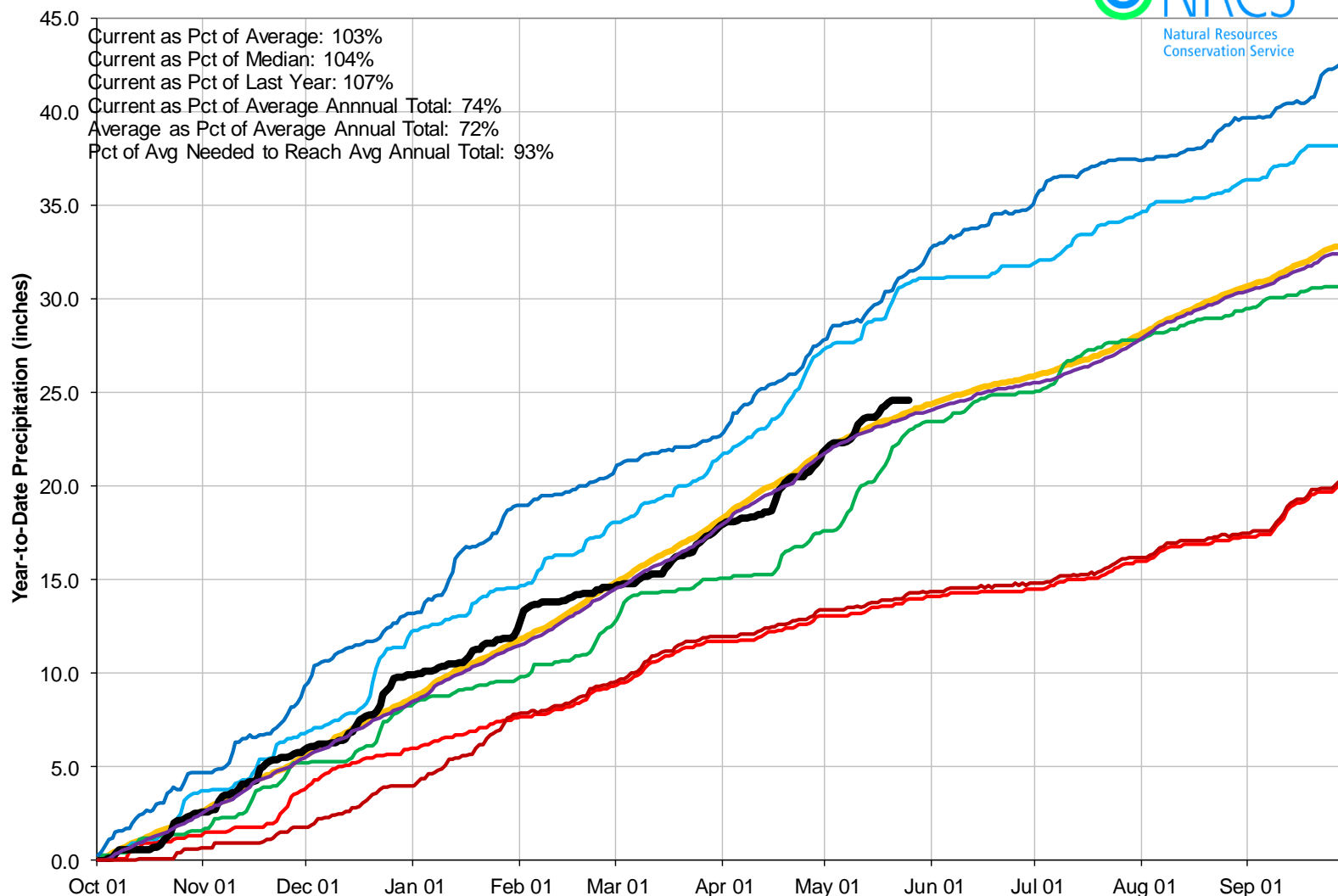


0 25 50 100 150 200 Miles



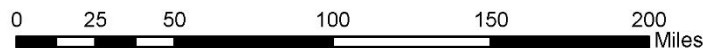
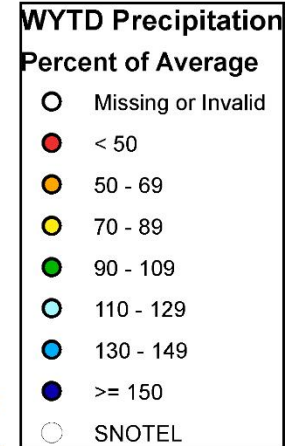
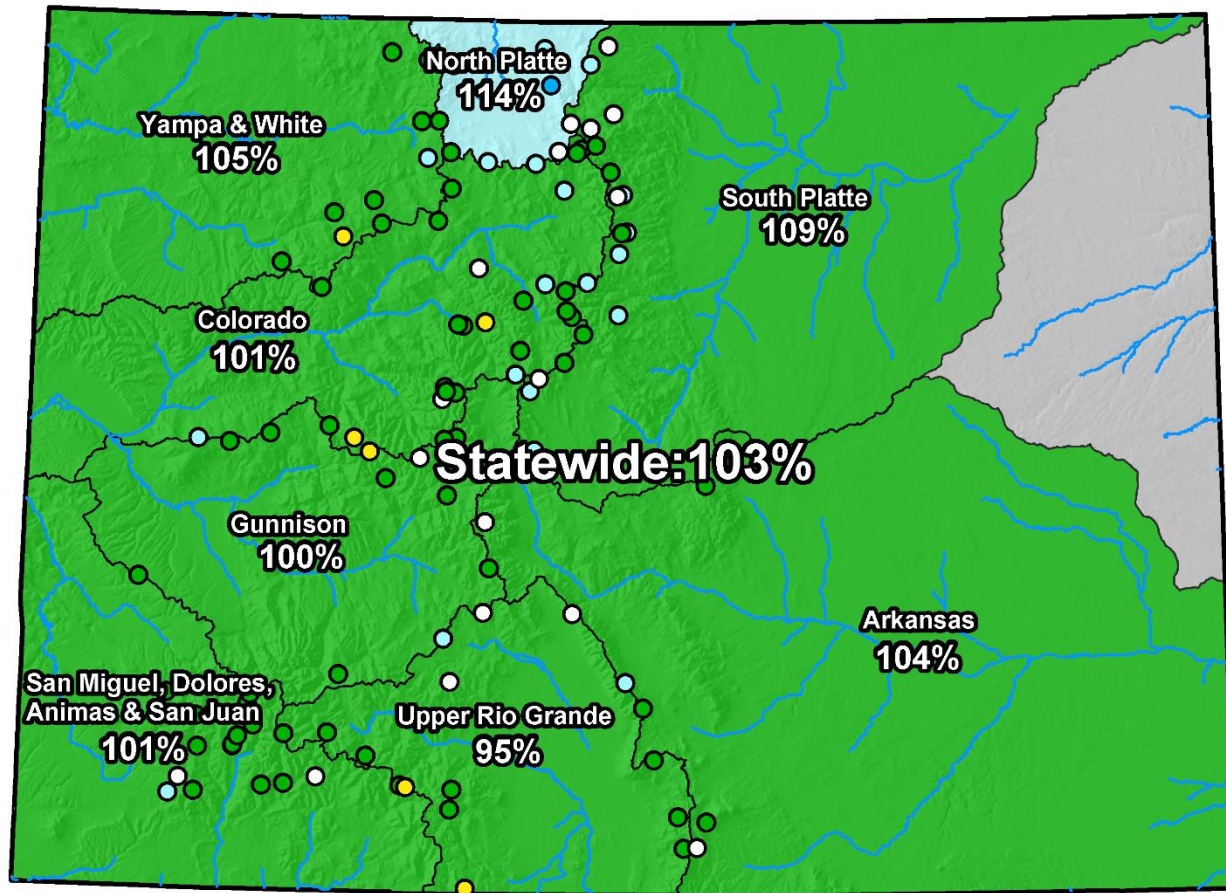
Colorado Statewide High/Low Year-to-Date Precipitation Summary

Based on Provisional SNOTEL data as of May 25, 2016



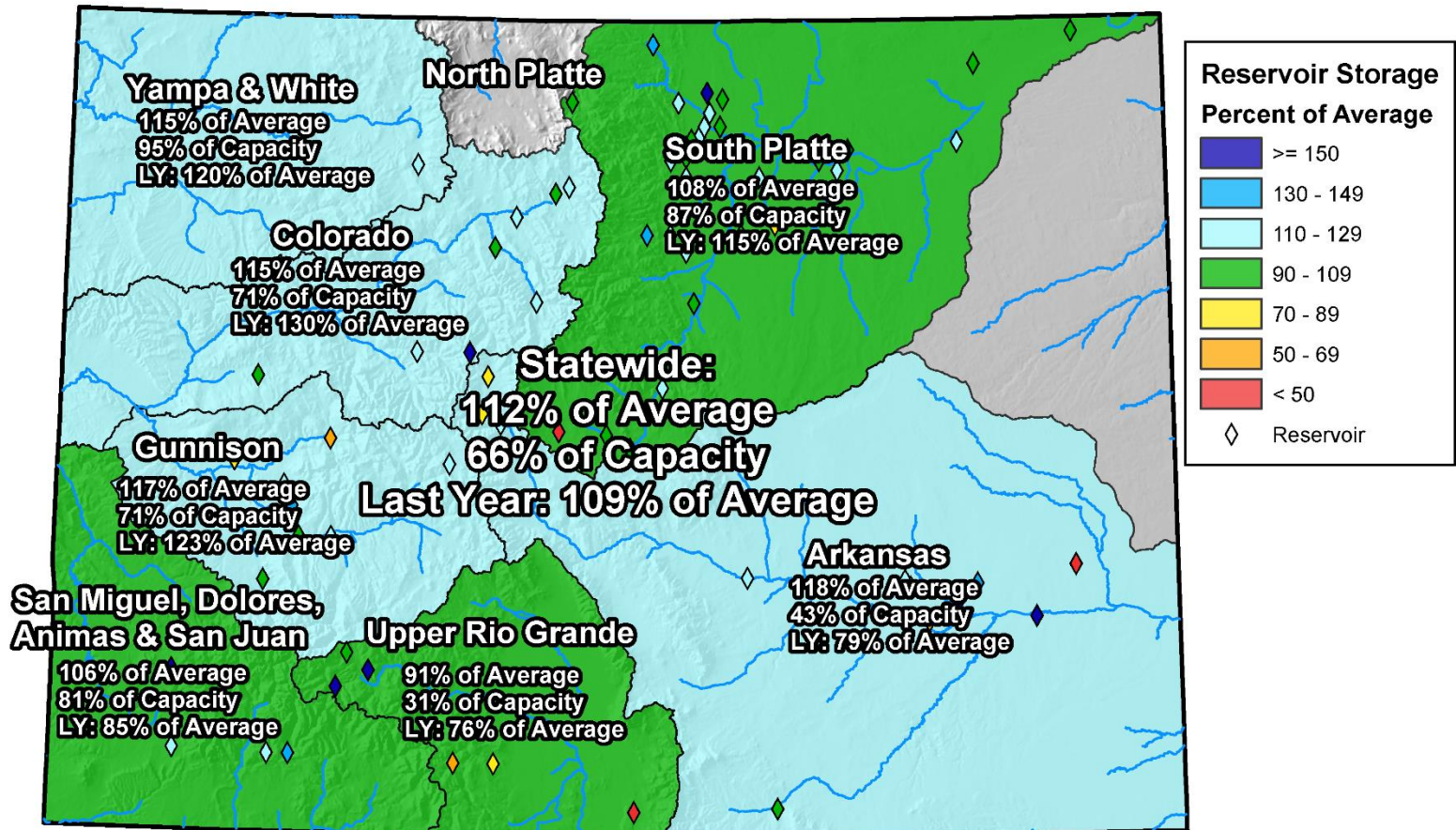
Colorado SNOTEL Water Year to Date Precipitation

Current as of May 25, 2016



Colorado Monthly Reservoir Storage Summary

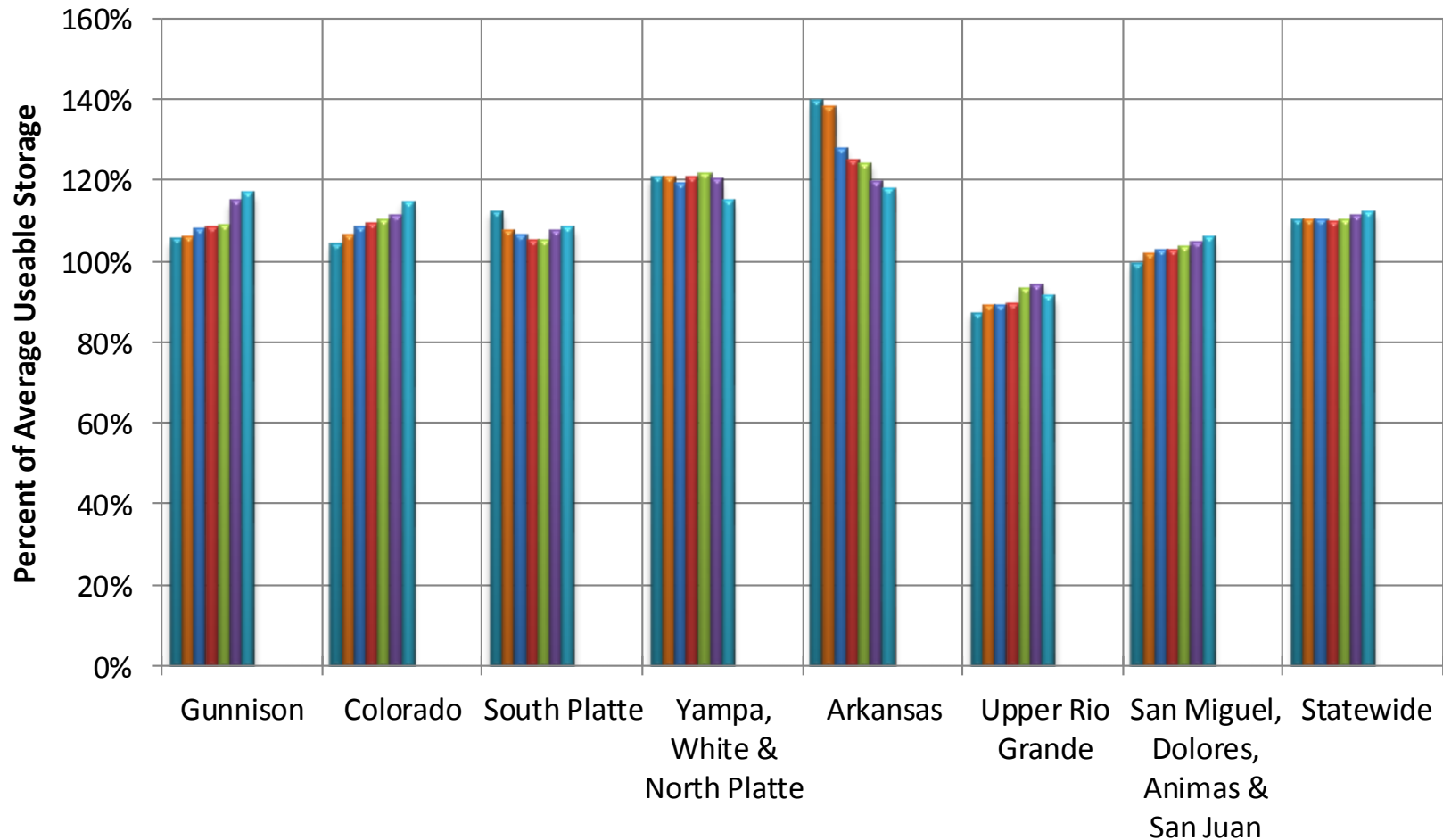
End of April 2016



0 25 50 100 150 200 Miles

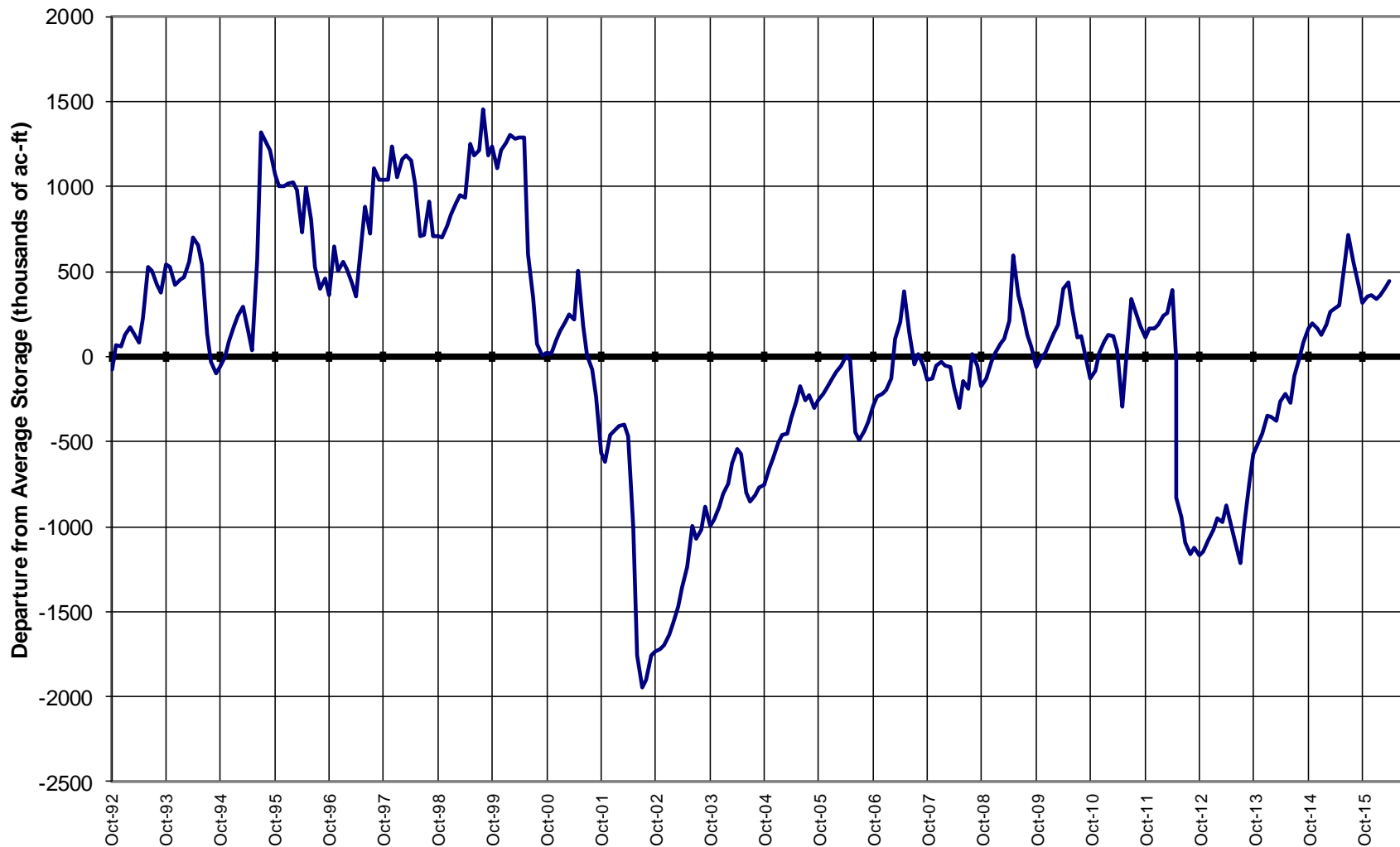
Colorado Reservoir Storage

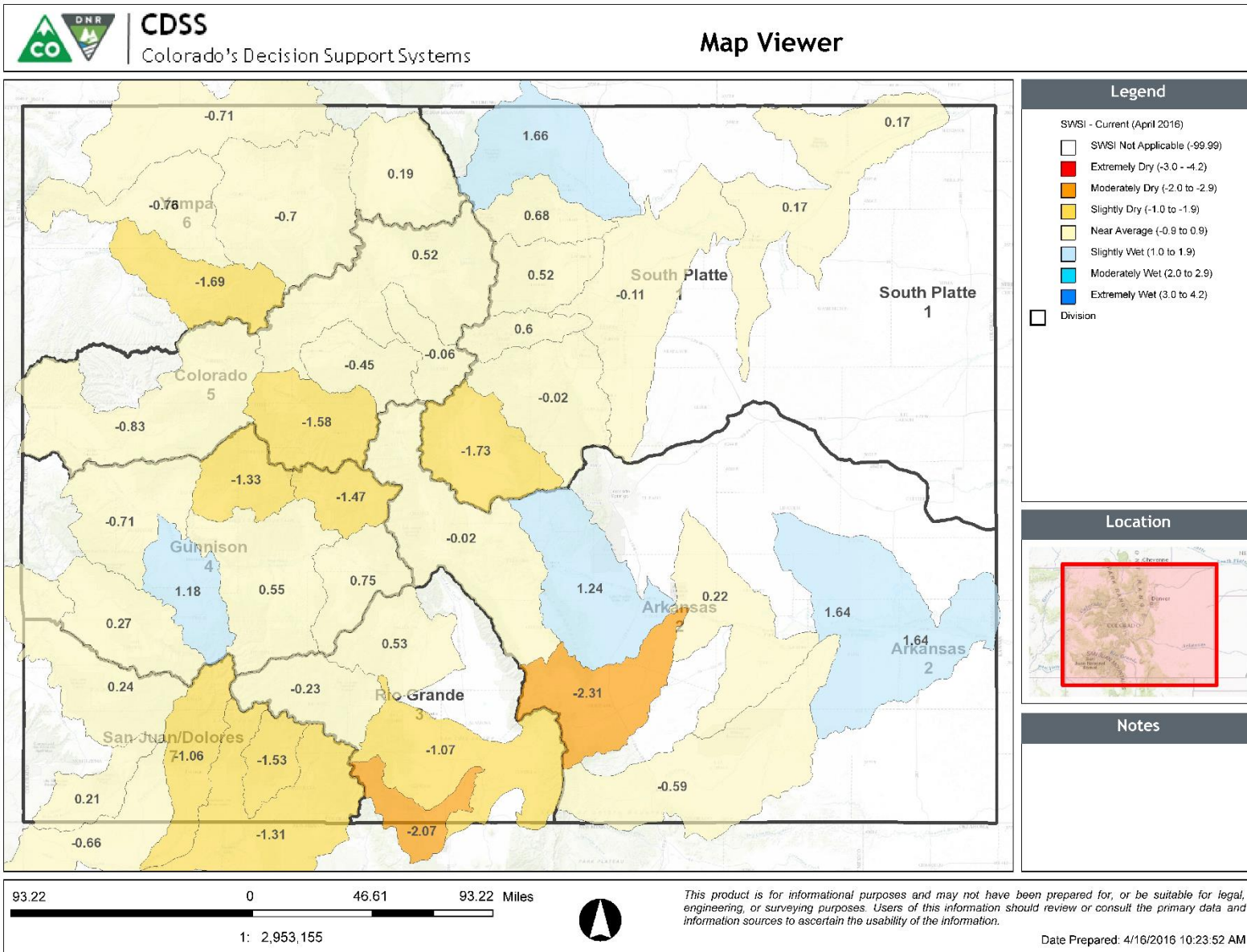
■ Oct-15 ■ Nov-15 ■ Dec-15 ■ Jan-16 ■ Feb-16 ■ Mar-16
 ■ Apr-16 ■ May-16 ■ Jun-16 ■ Jul-16 ■ Aug-16 ■ Sep-16





COLORADO STATEWIDE Reservoir Storage Departure from Average



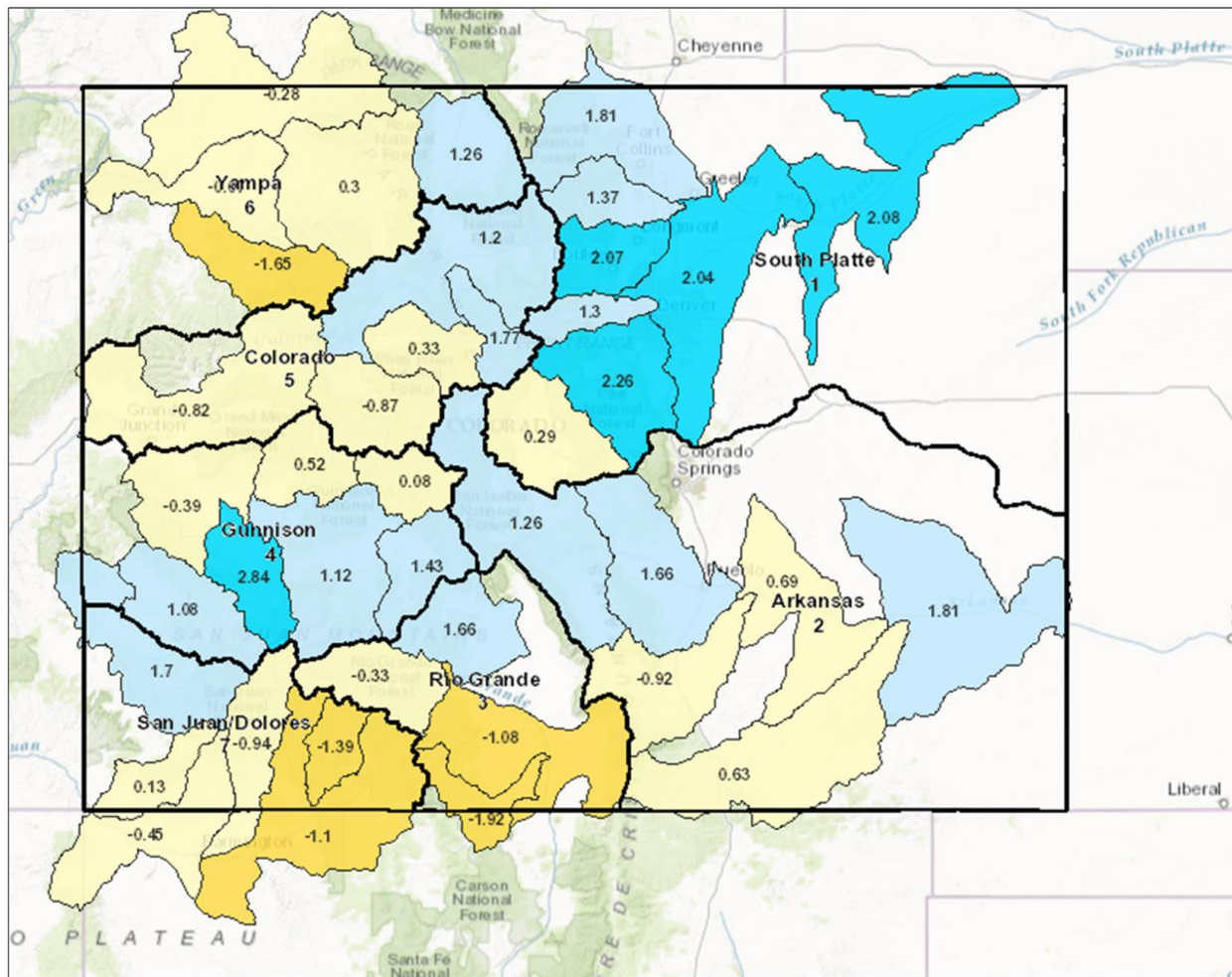




CDSS

Colorado's Decision Support Systems

Map Viewer



Legend

- ☐ Division
- SWSI - Current (May 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



This product is for informational purposes and may not have been prepared for, or be suitable for legal, engineering, or surveying purposes. Users of this information should review or consult the primary data and information sources to ascertain the usability of the information.

Date Prepared: 5/25/2016 9:58:16 AM

Summary

- Snowpack statewide is now above normal in all basins
- April and May-to-date precipitation are both well above average statewide
- Statewide we have remained at near normal WY precip
- Along with the precipitation patterns streamflow forecasts dropped in the south and rose in the north
- Reservoirs statewide remain in relatively good standing at 112% of normal, similar to last month
- SWSIs are generally higher than last month across the state with values being near to above normal



United States Department of Agriculture

Colorado Snow Surveys

Water Availability Task Force Meeting

May 25th, 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/>