



United States Department of Agriculture

Colorado Snow Surveys

Water Availability Task Force Meeting

June 22nd, 2016

NRCS Snow Survey and Water Supply Forecasting Program

Karl Wetlaufer

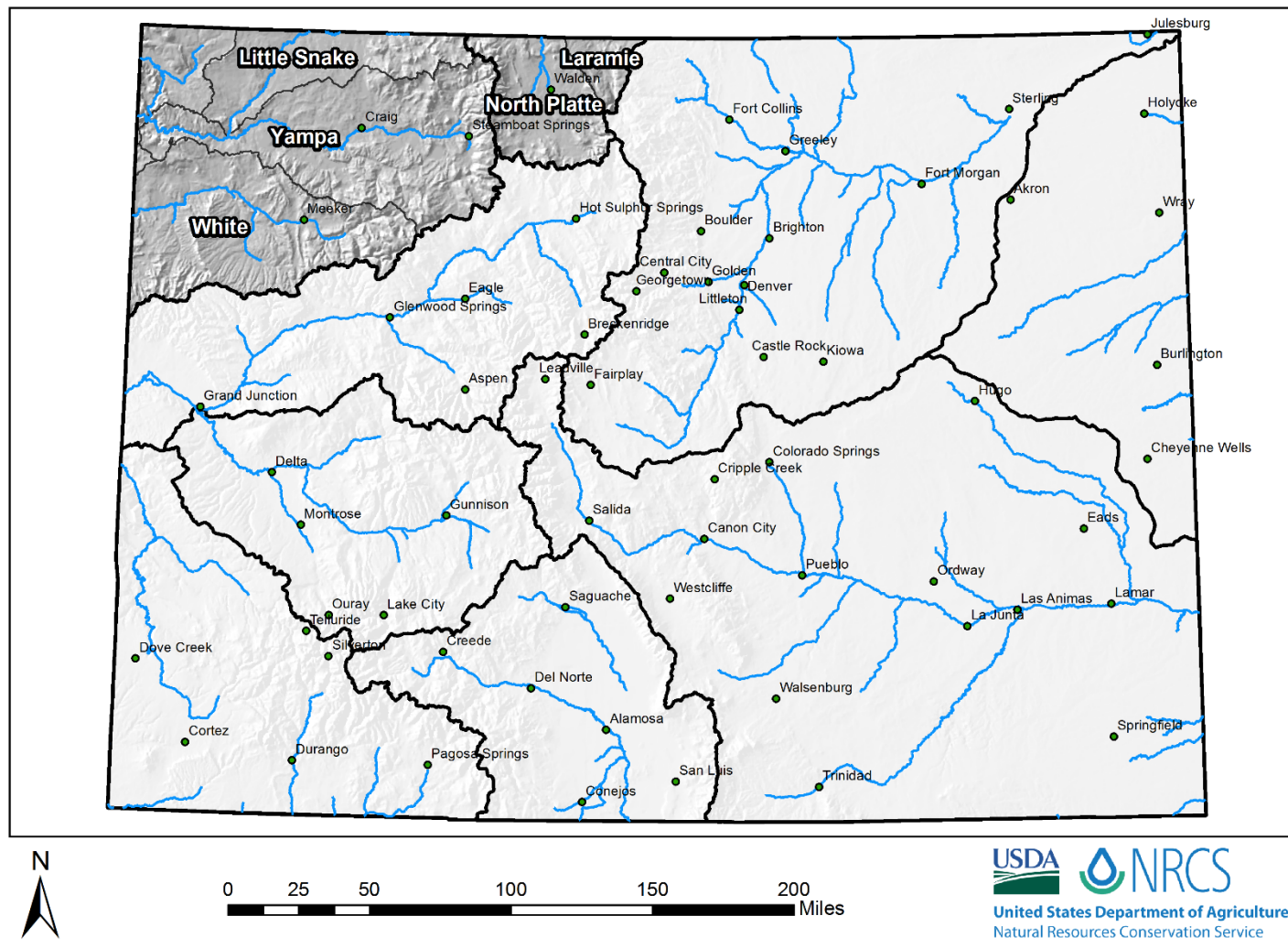
Hydrologist

720-544-2853

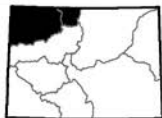
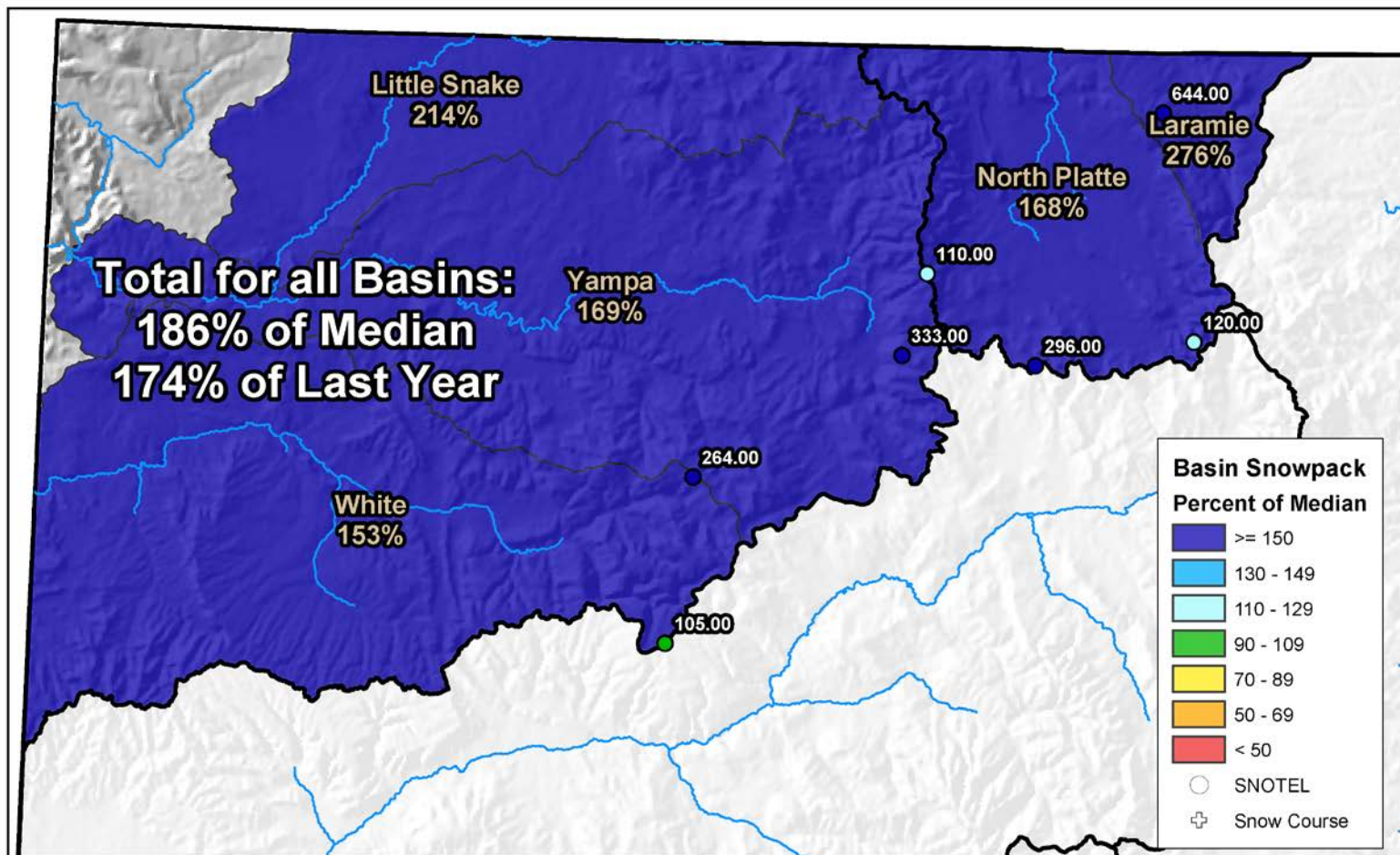
<http://www.nrcs.usda.gov/wps/portal/nrcs/main/co/snow/>

Major Basin Summary

Yampa, White, and North Platte River Basins



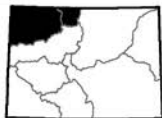
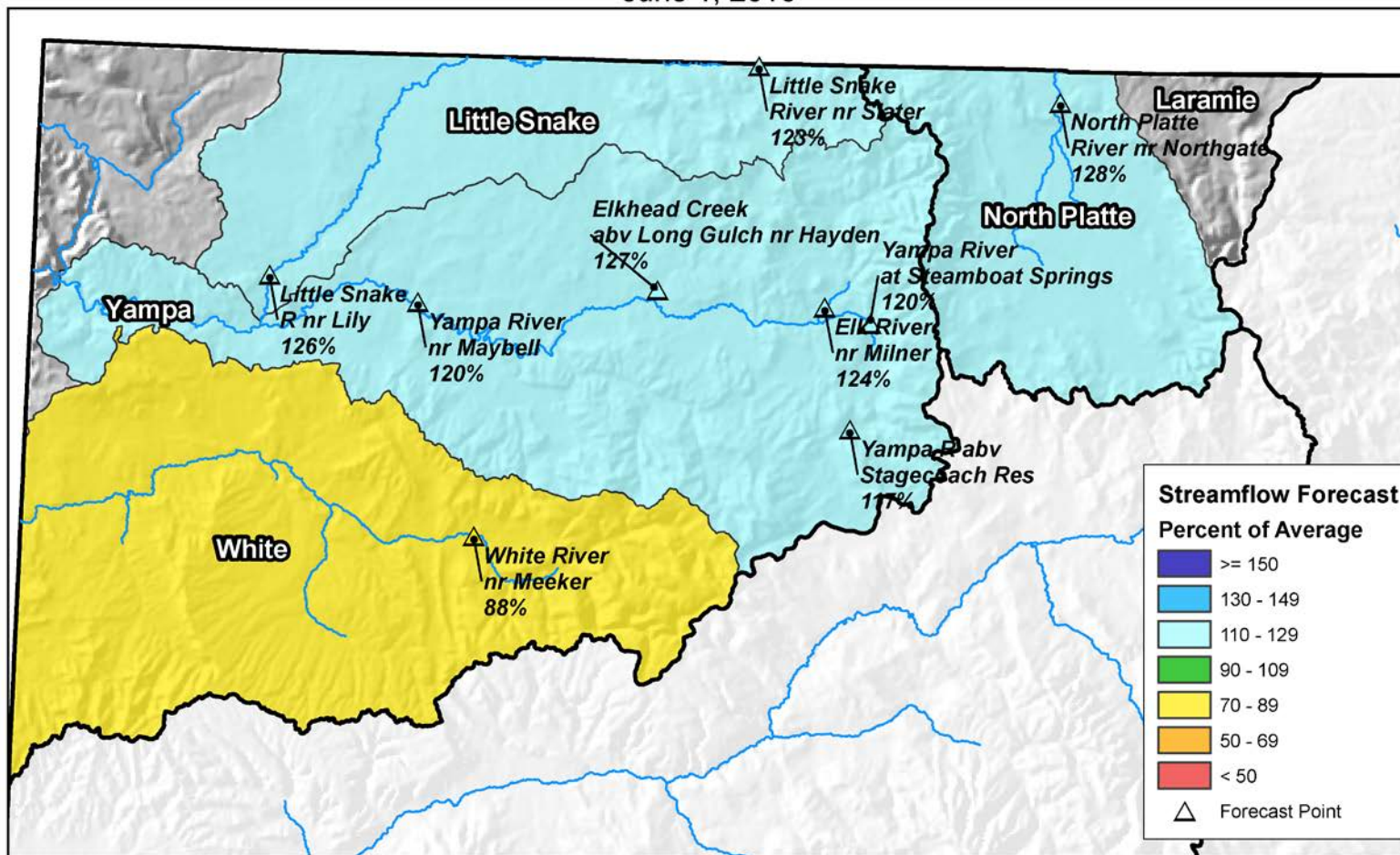
Yampa, White, and North Platte River Basins Monthly Snowpack Summary June 1, 2016



0 10 20 40 60 80 Miles

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

June 1, 2016

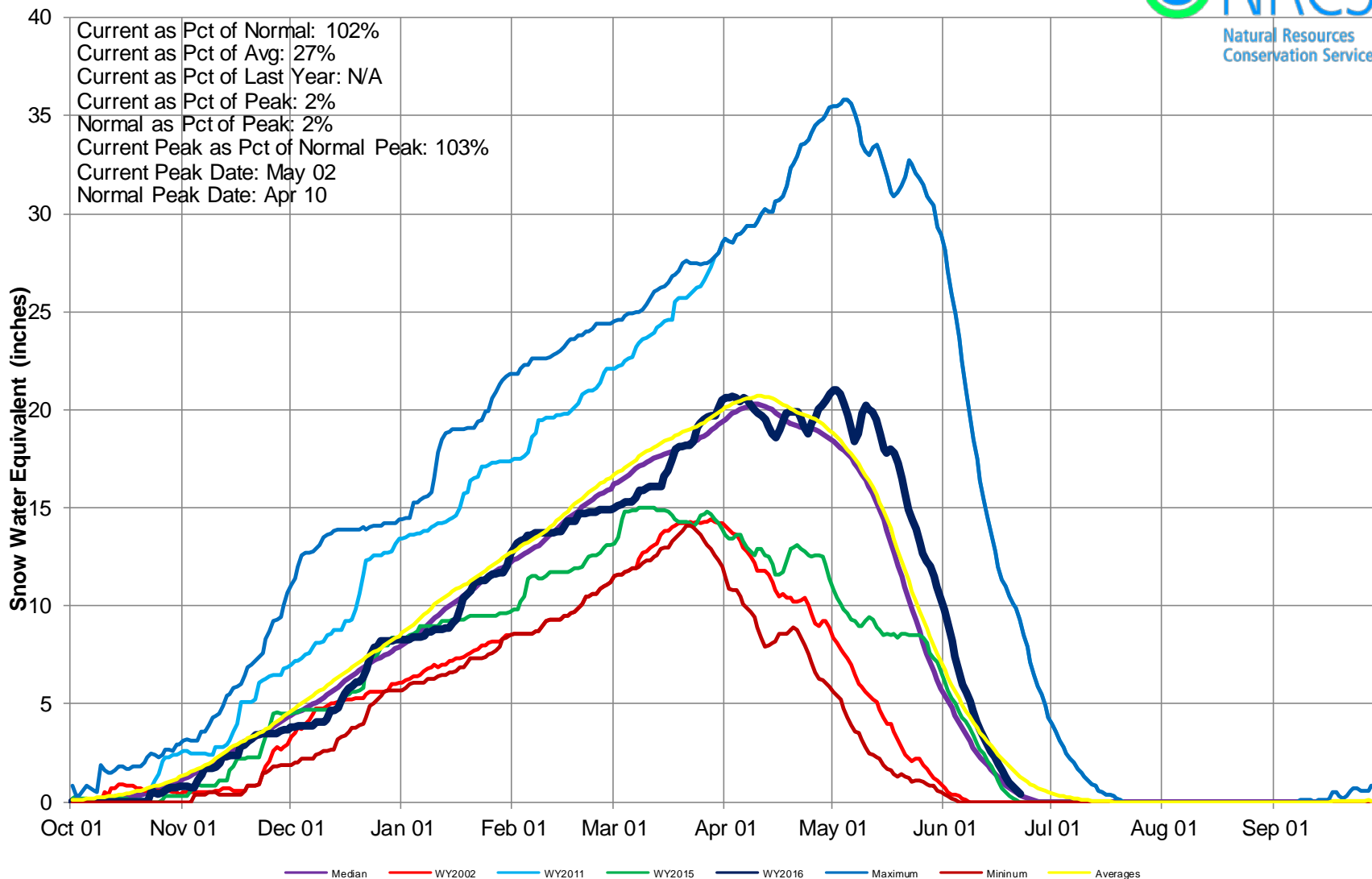


0 10 20 40 60 80 Miles

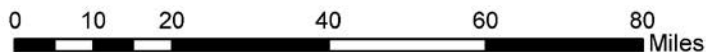
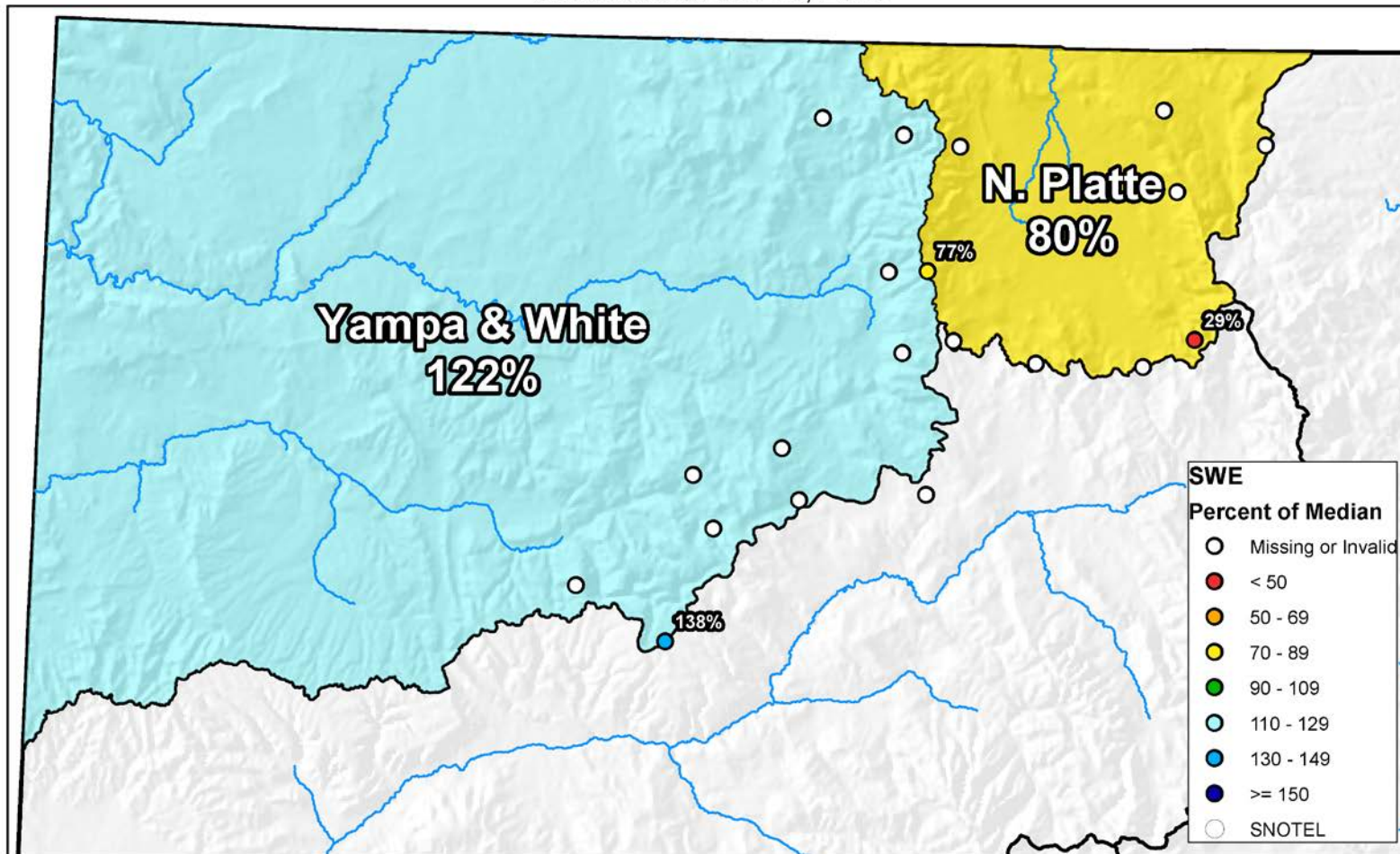


Yampa, White & North Platte River Basins High/Low Snowpack Summary

Based on Provisional SNOTEL data as of Jun 22, 2016



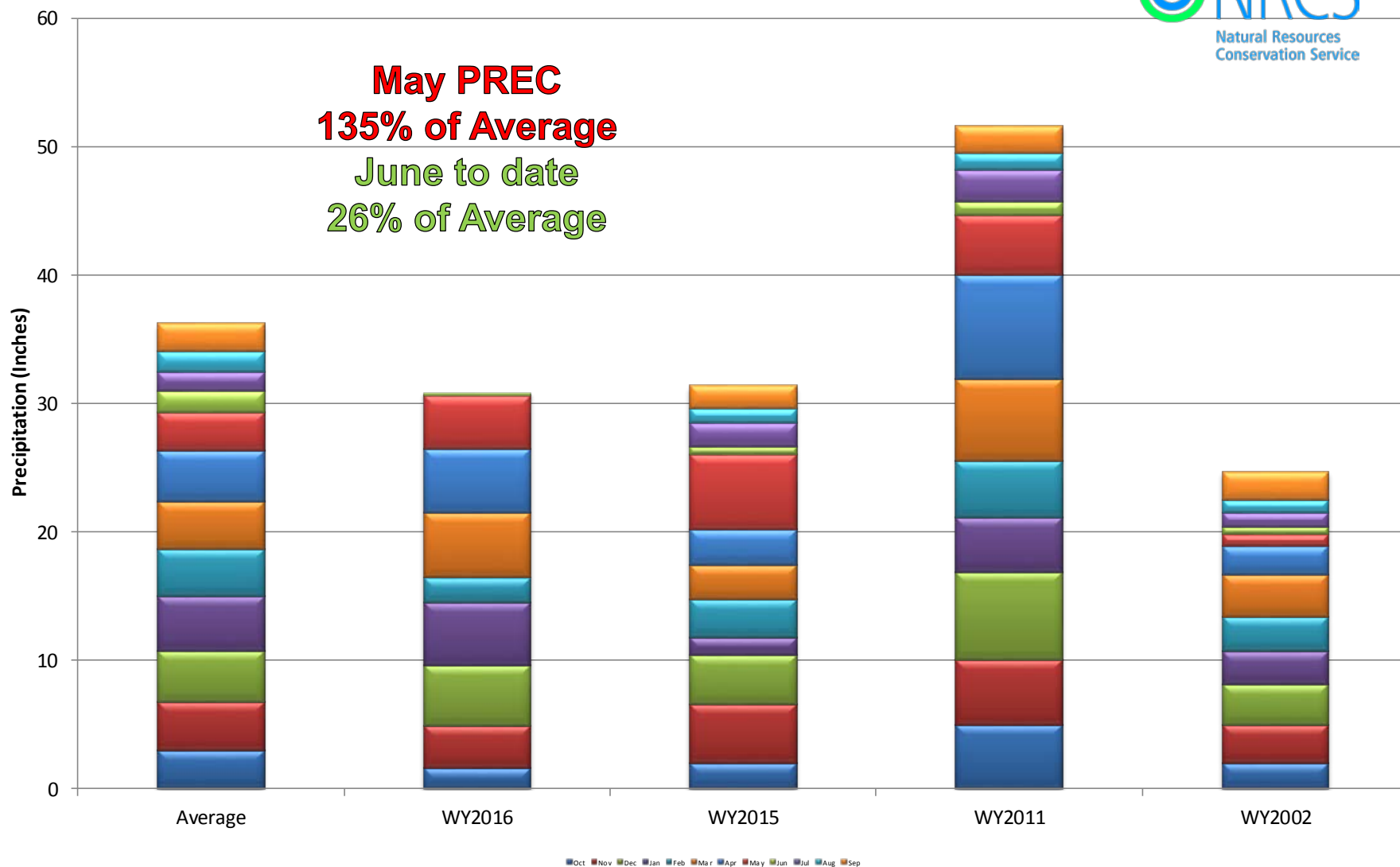
Yampa, White, and North Platte River Basins Snow Water Equivalent (SWE) Summary Current as of Jun 21, 2016





Yampa & White River Basins High/Low Monthly Precipitation Summary

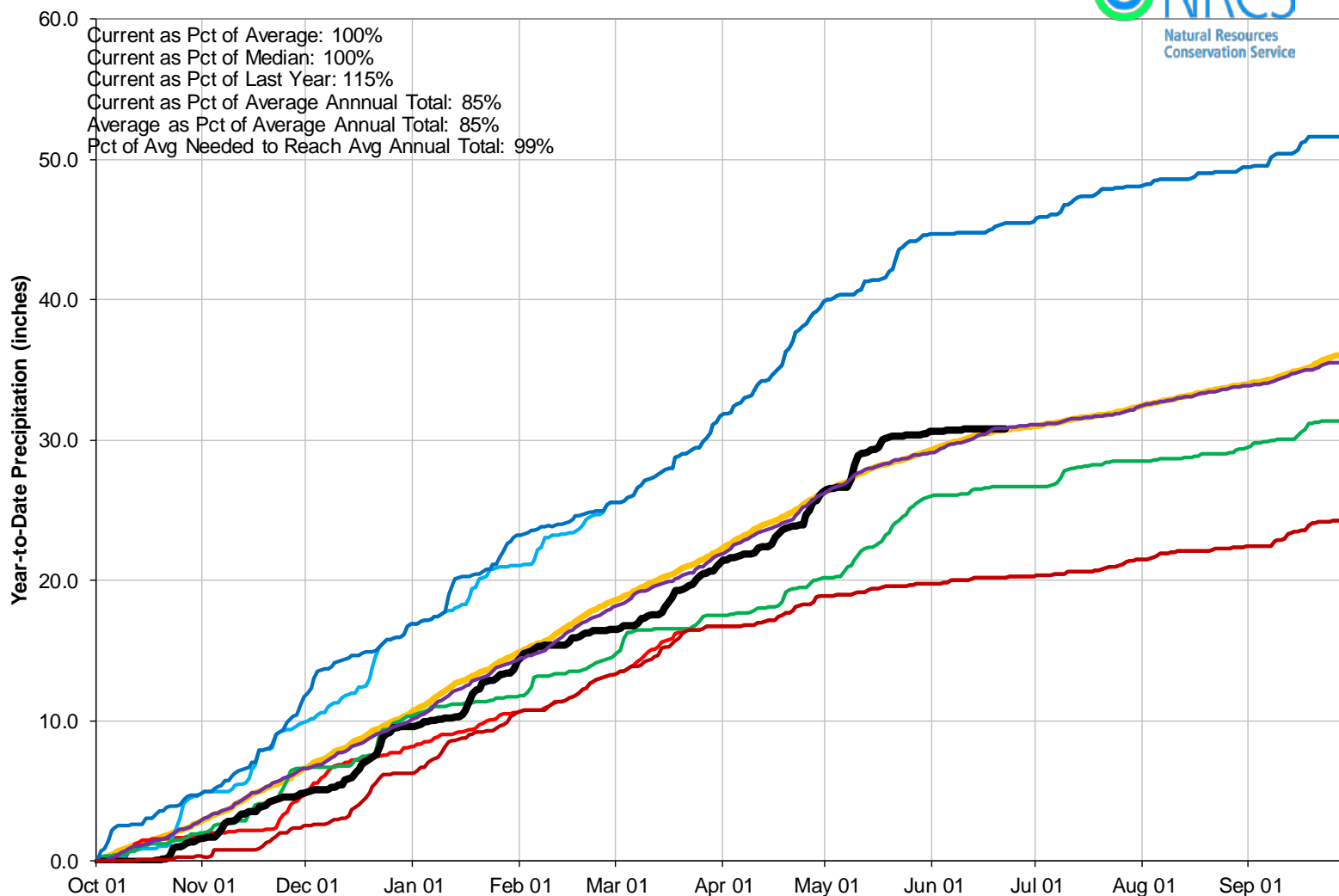
Based on Provisional SNOTEL data as of Jun 22, 2016

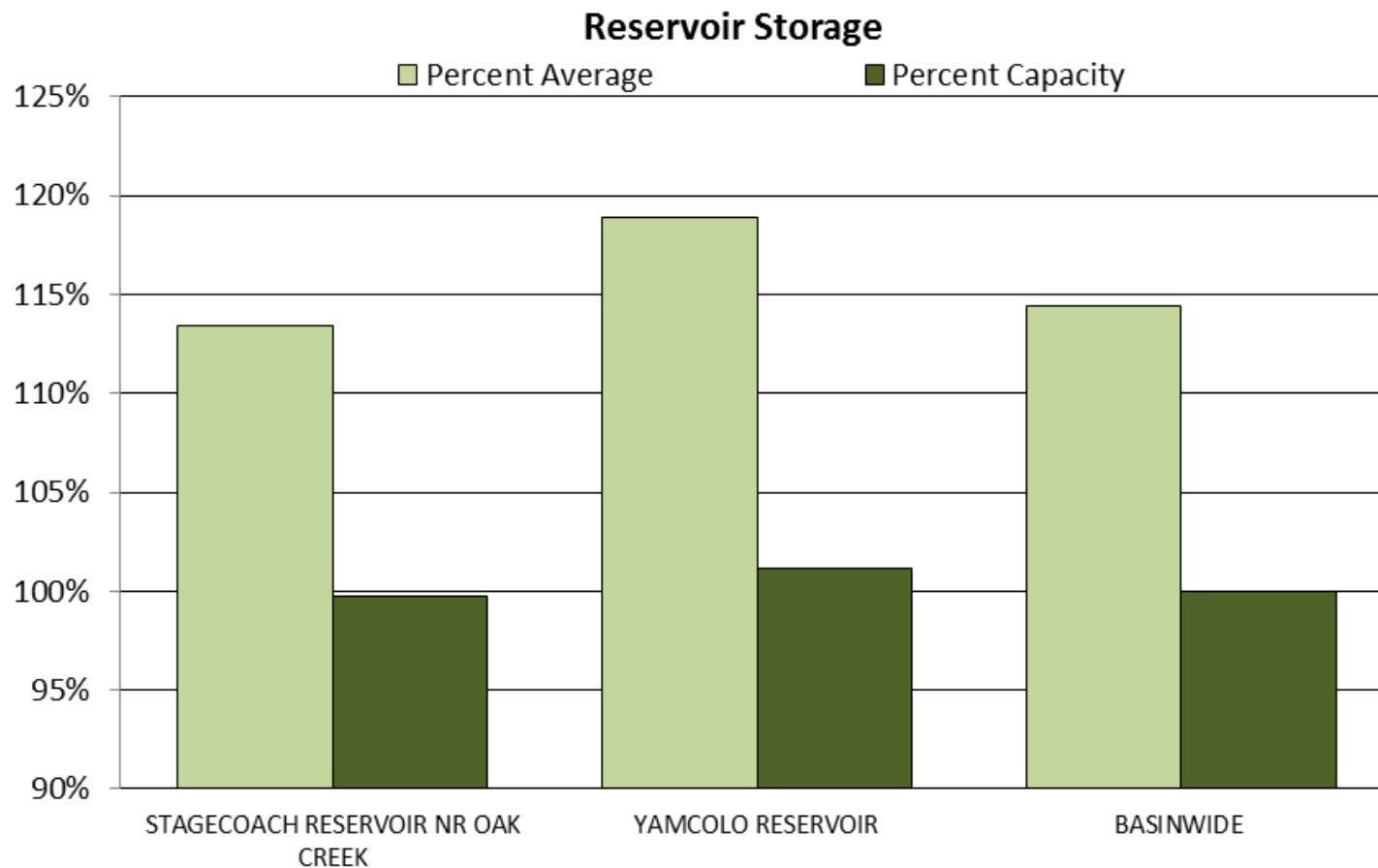




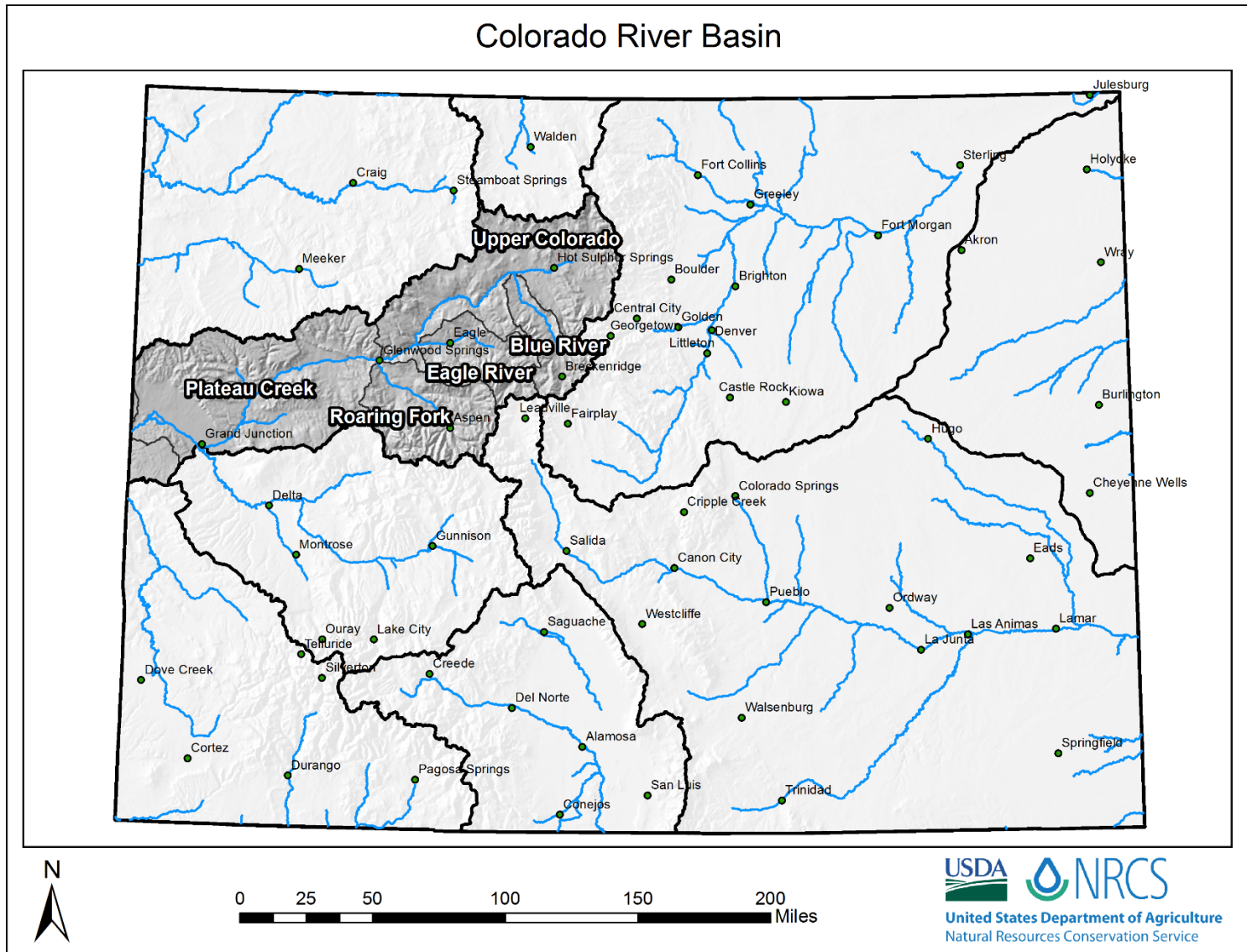
Yampa & White River Basins High/Low Year-to-Date Precipitation Summary

Based on Provisional SNOTEL data as of Jun 22, 2016

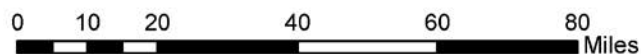
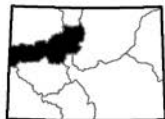
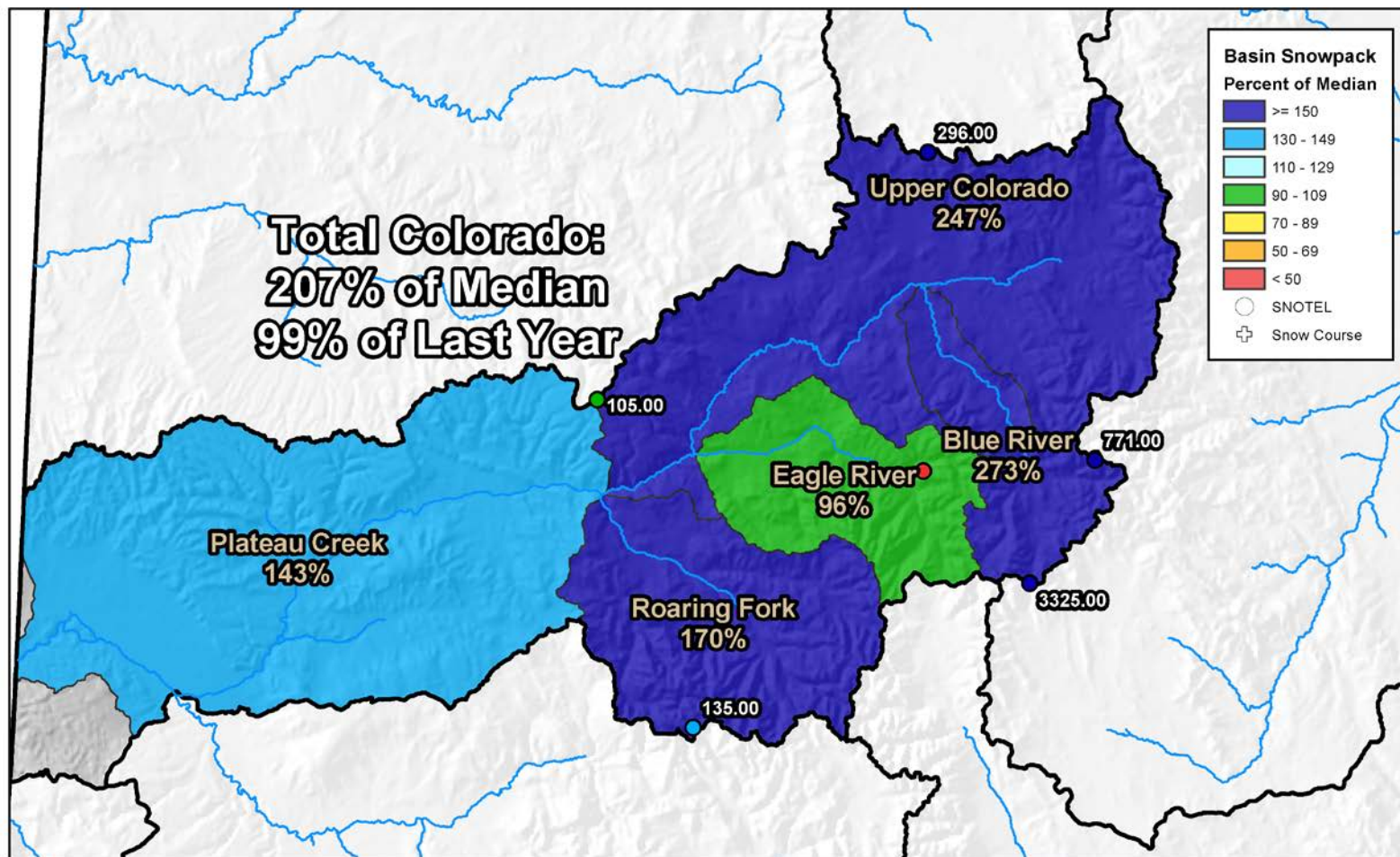




Major Basin Summary

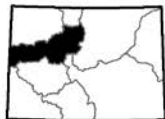
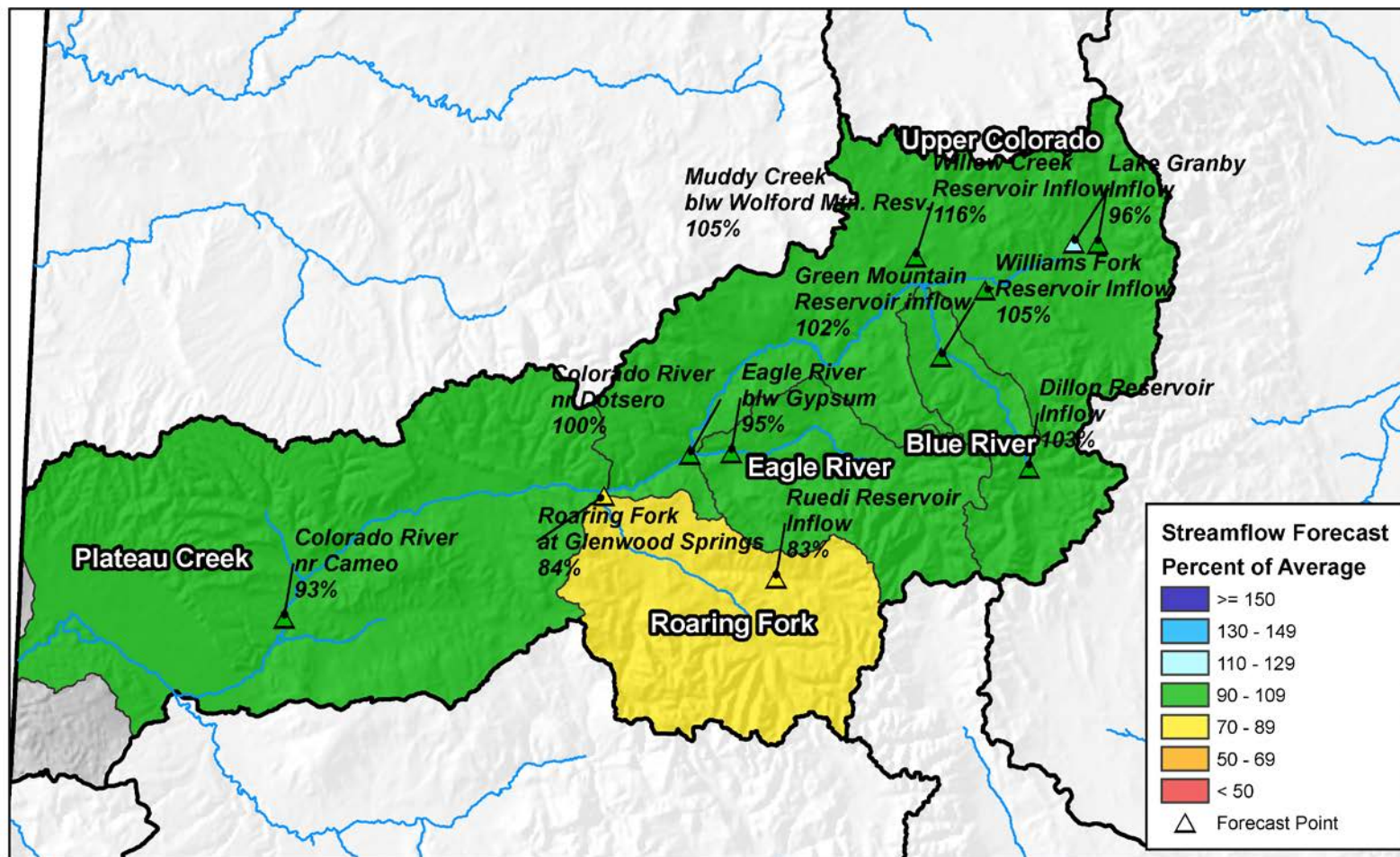


Upper Colorado River Basin Monthly Snowpack Summary June 1, 2016



Upper Colorado River Basin Streamflow Forecast Summary

June 1, 2016

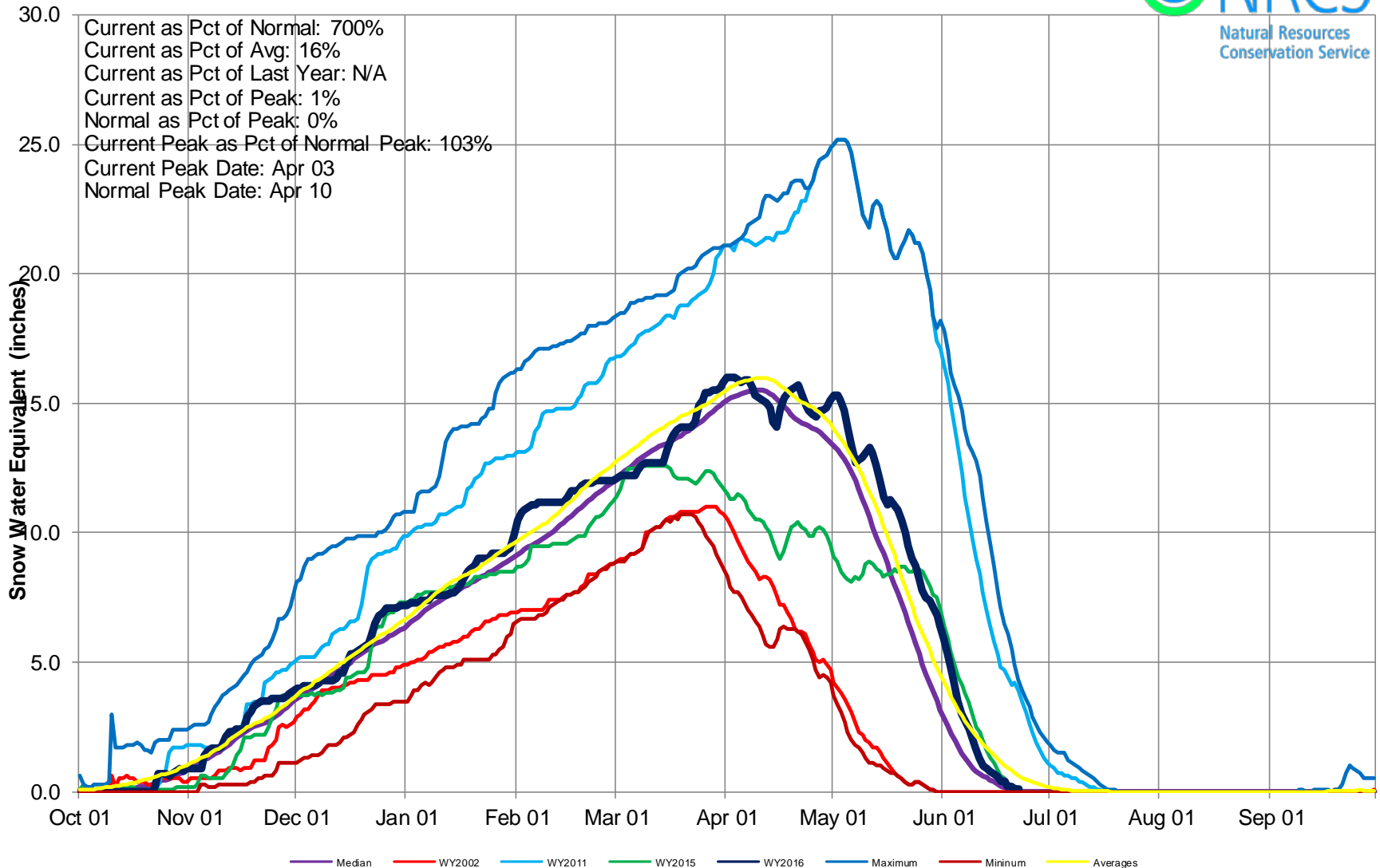


0 10 20 40 60 80 Miles



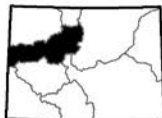
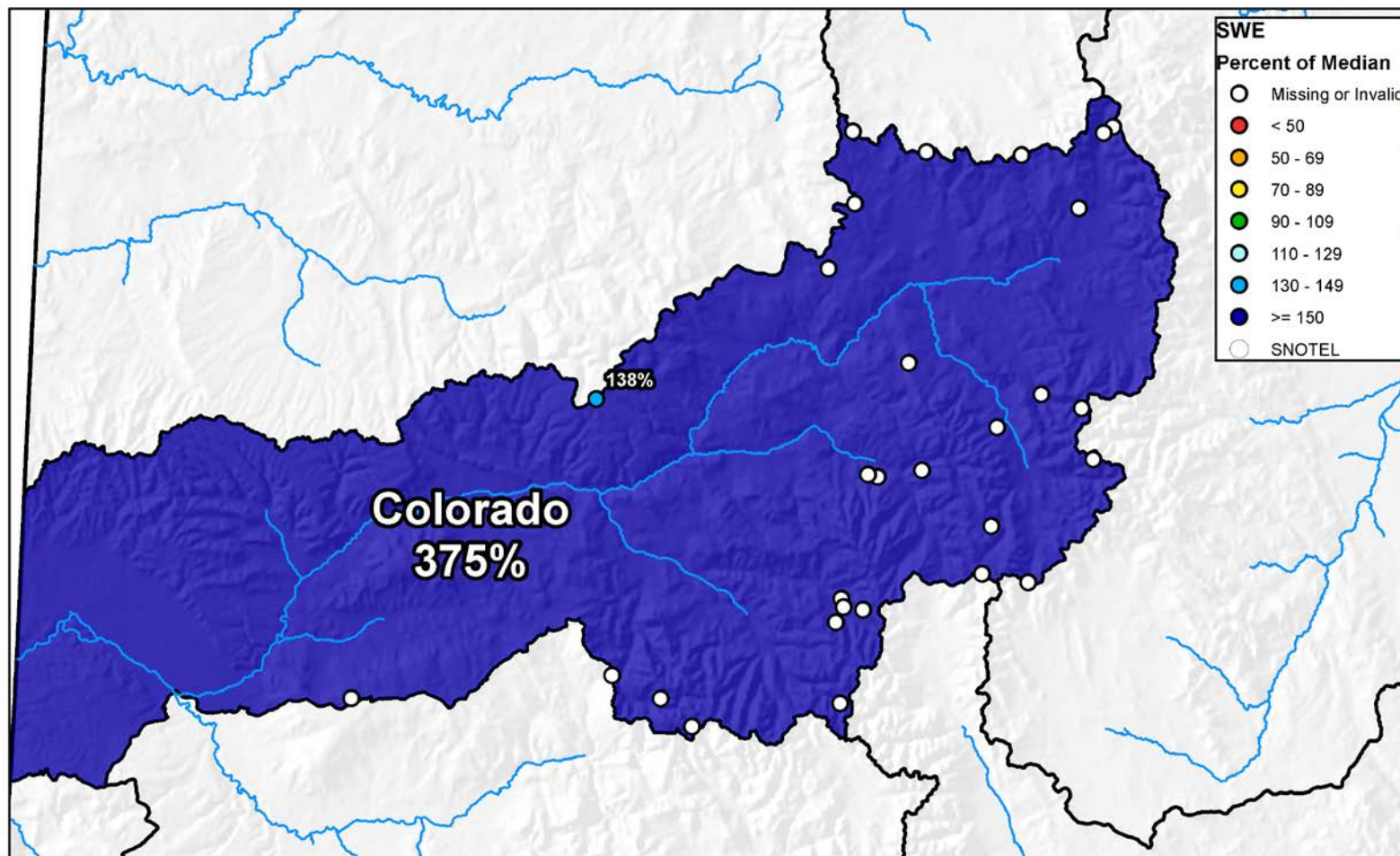
Upper Colorado River Basin High/Low Snowpack Summary

Based on Provisional SNOTEL data as of Jun 22, 2016



Upper Colorado River Basin Snow Water Equivalent (SWE) Summary

Current as of Jun 21, 2016



0 10 20 40 60 80 Miles



United States Department of Agriculture

Natural Resources Conservation Service

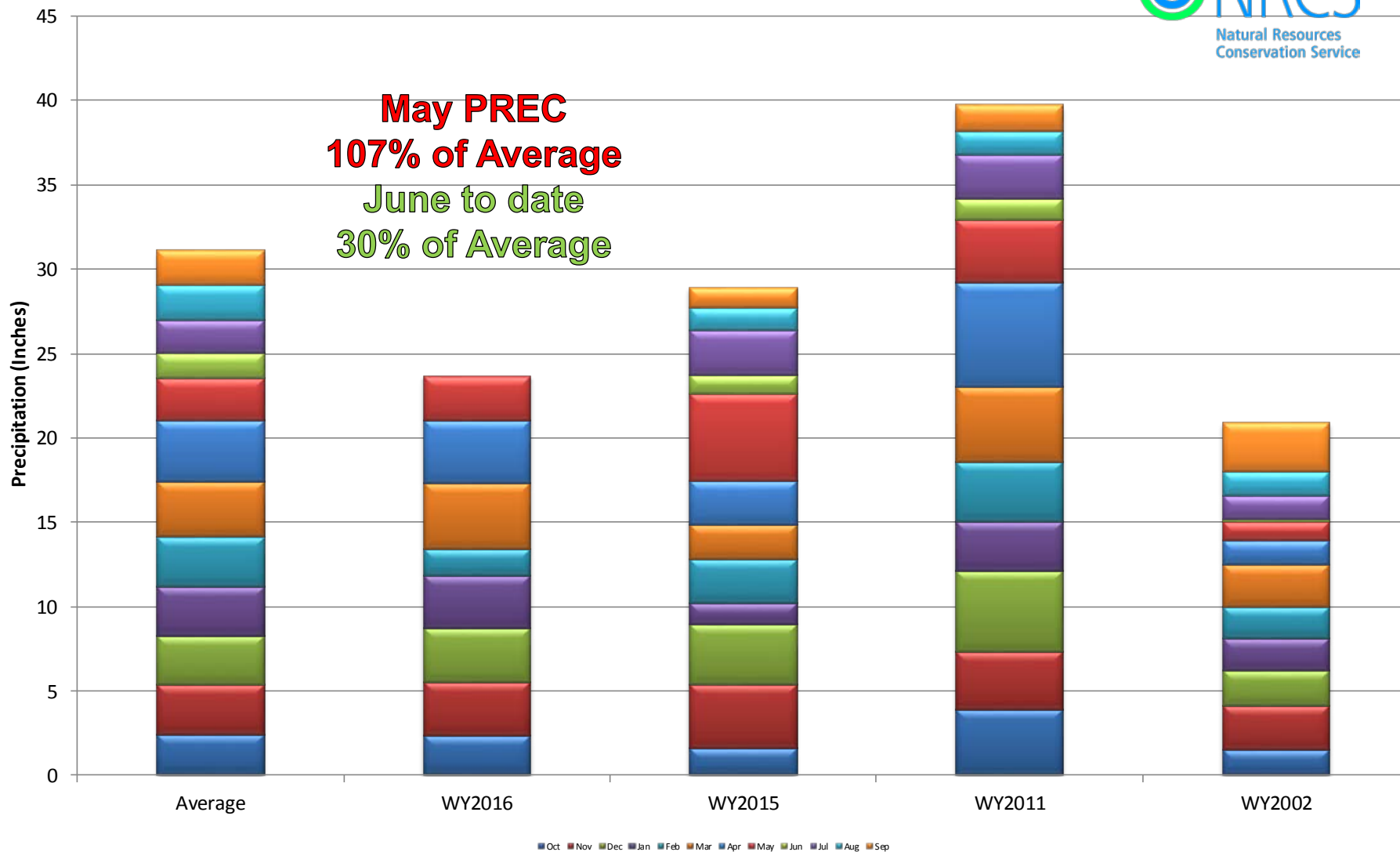


Upper Colorado River Basin High/Low Monthly Precipitation Summary

Based on Provisional SNOTEL data as of Jun 21, 2016



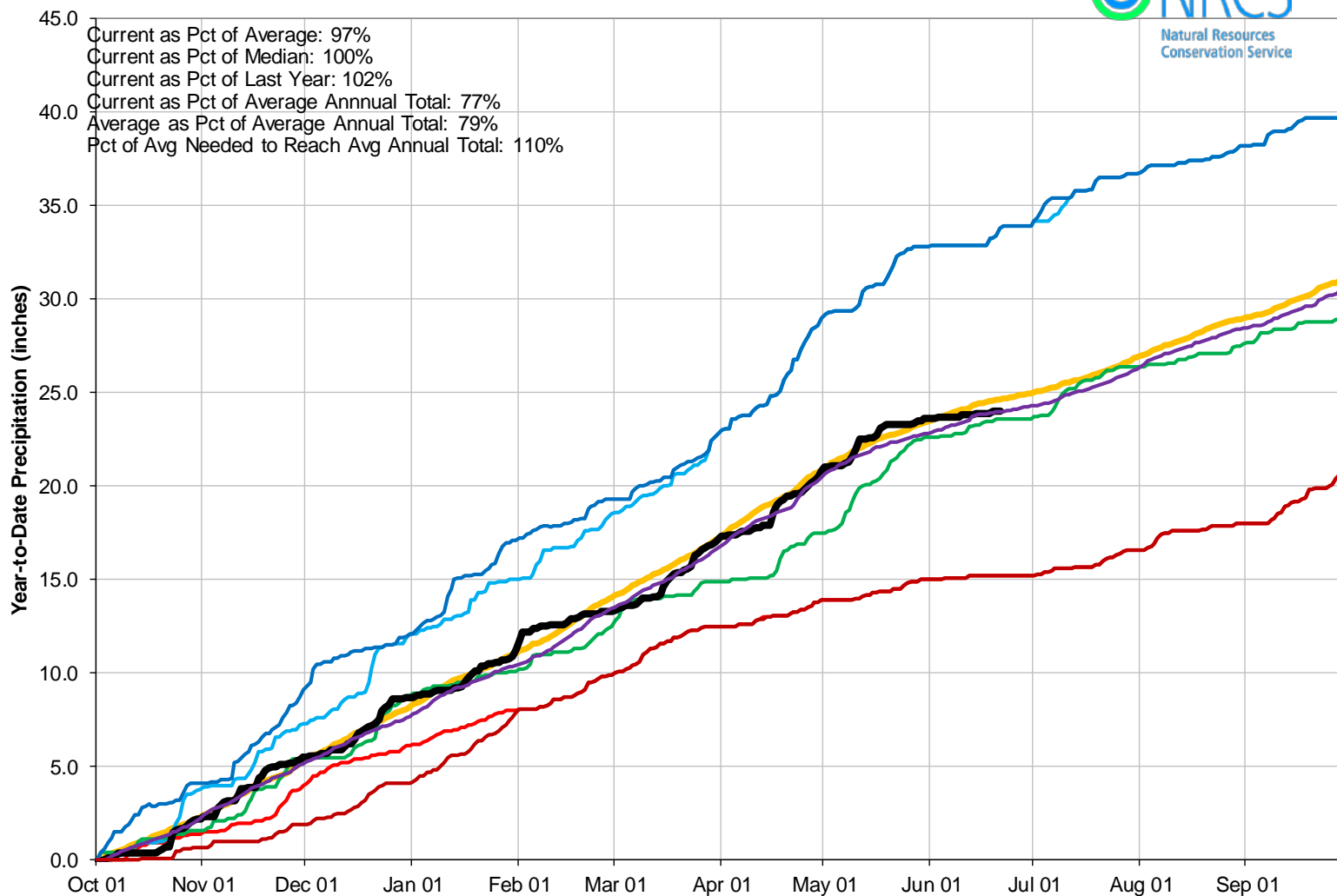
May PREC
107% of Average
June to date
30% of Average



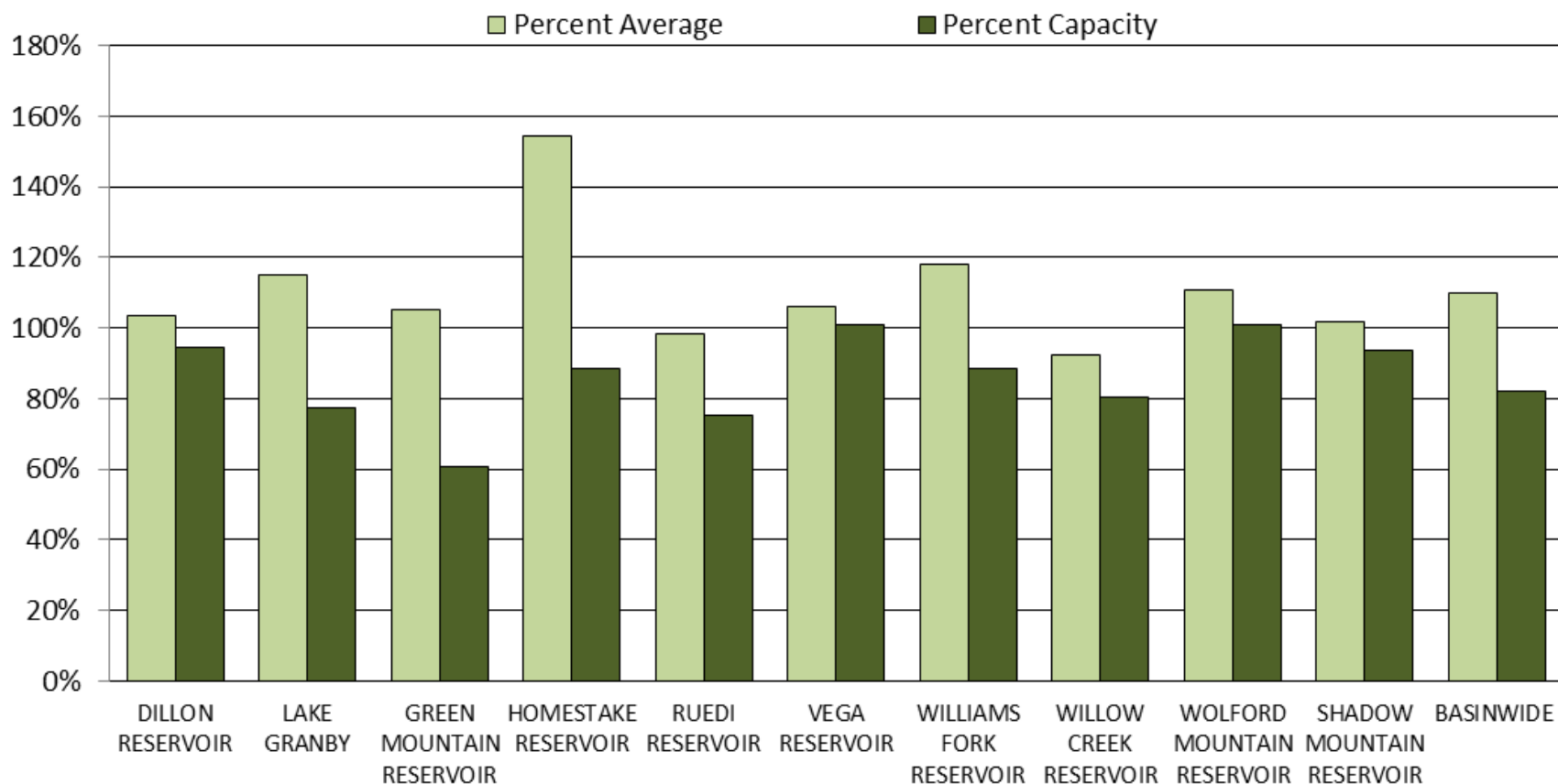


Upper Colorado River Basin High/Low Year-to-Date Precipitation Summary

Based on Provisional SNOTEL data as of Jun 21, 2016

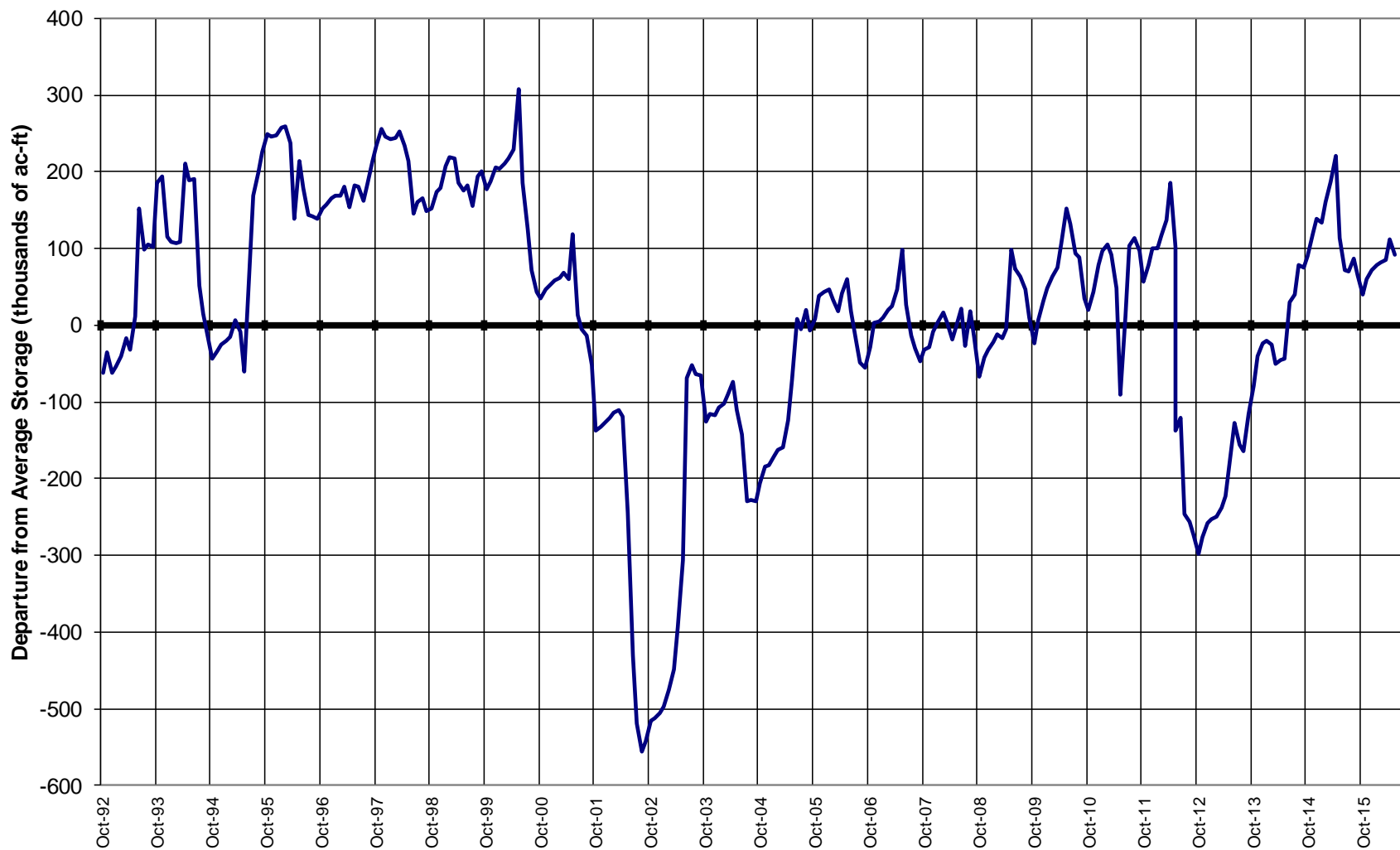


Reservoir Storage



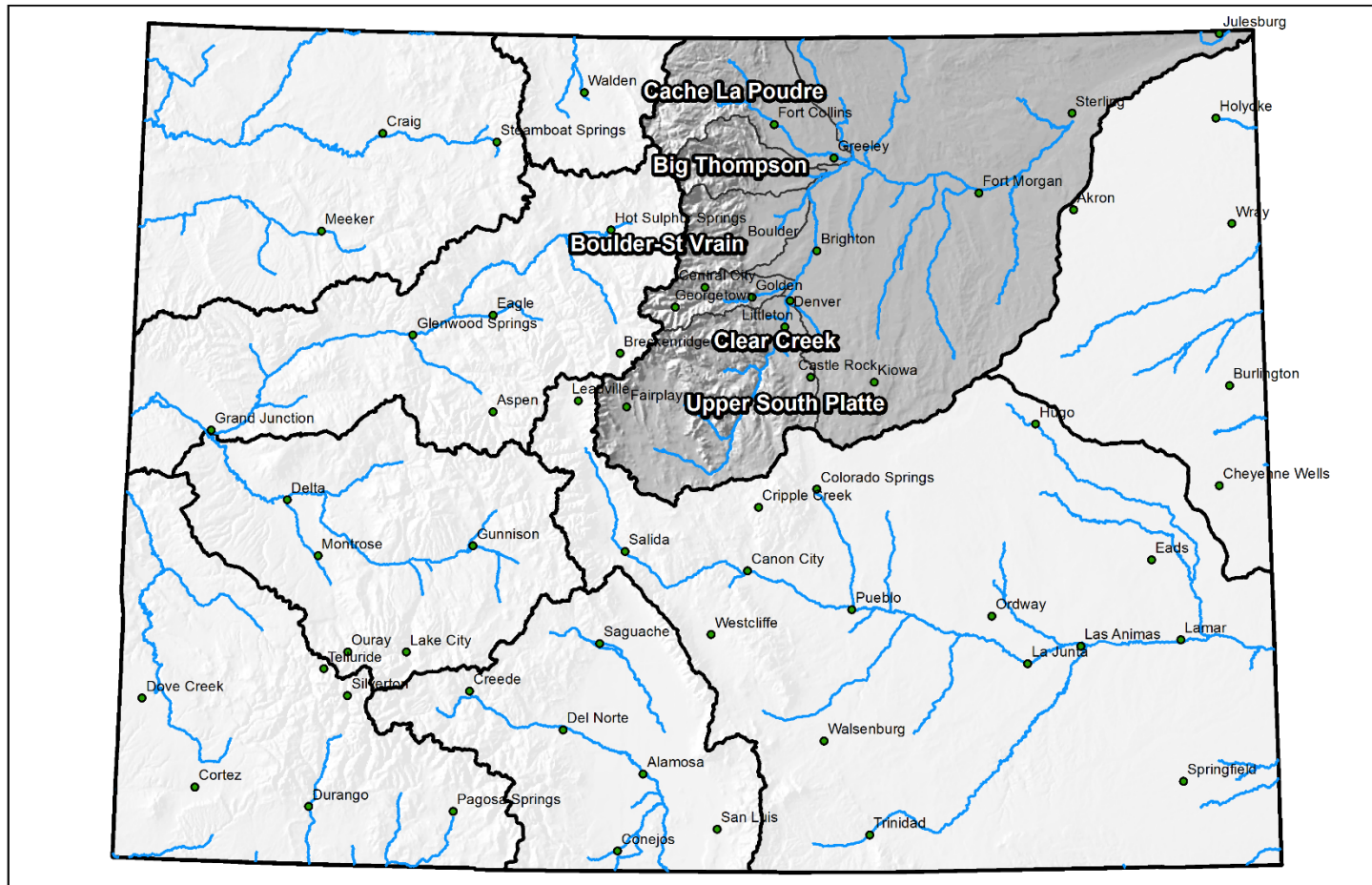


COLORADO RIVER BASIN Reservoir Storage Departure from Average



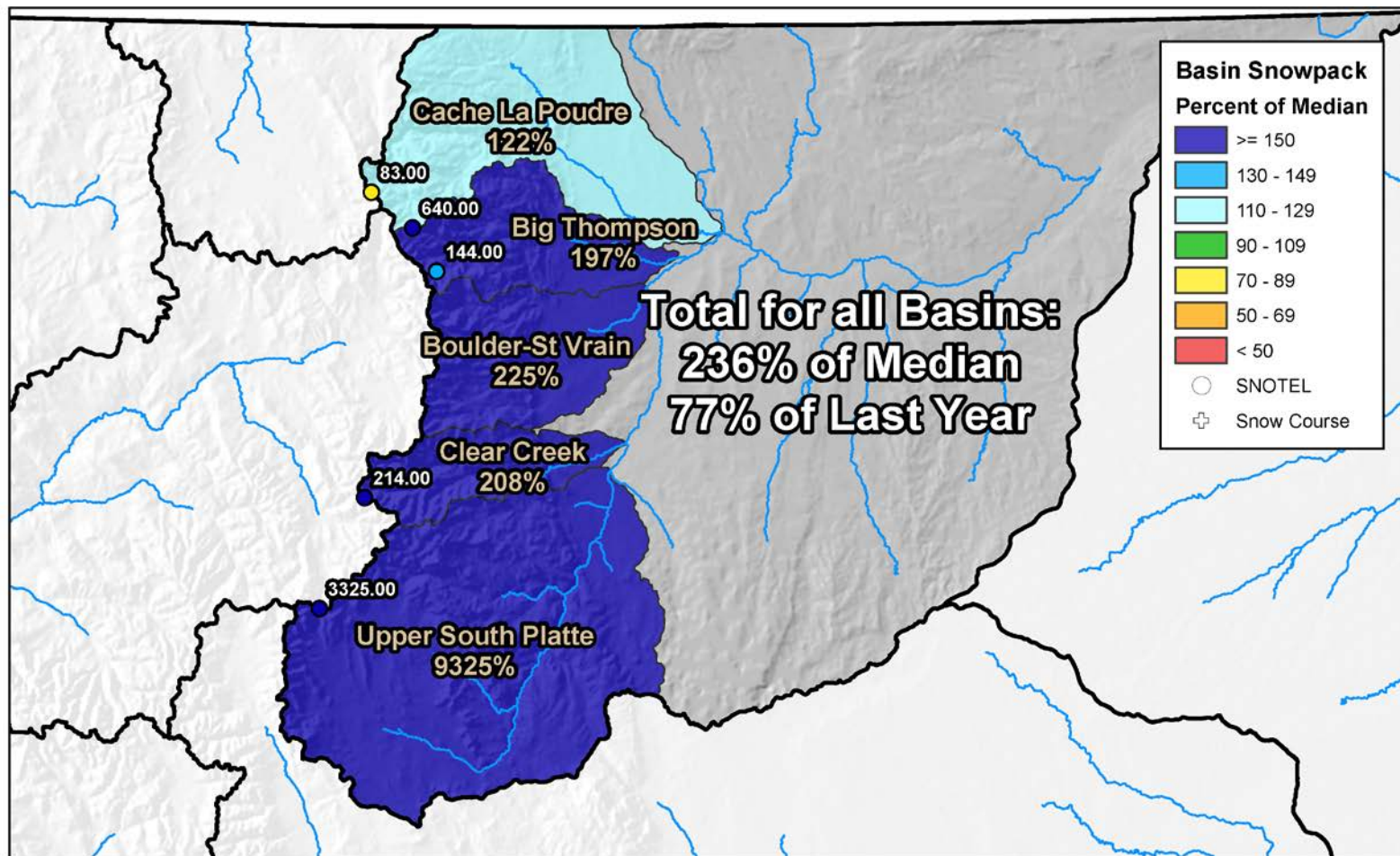
Major Basin Summary

South Platte River Basin



0 25 50 100 150 200 Miles

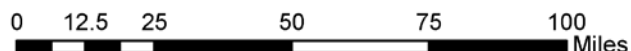
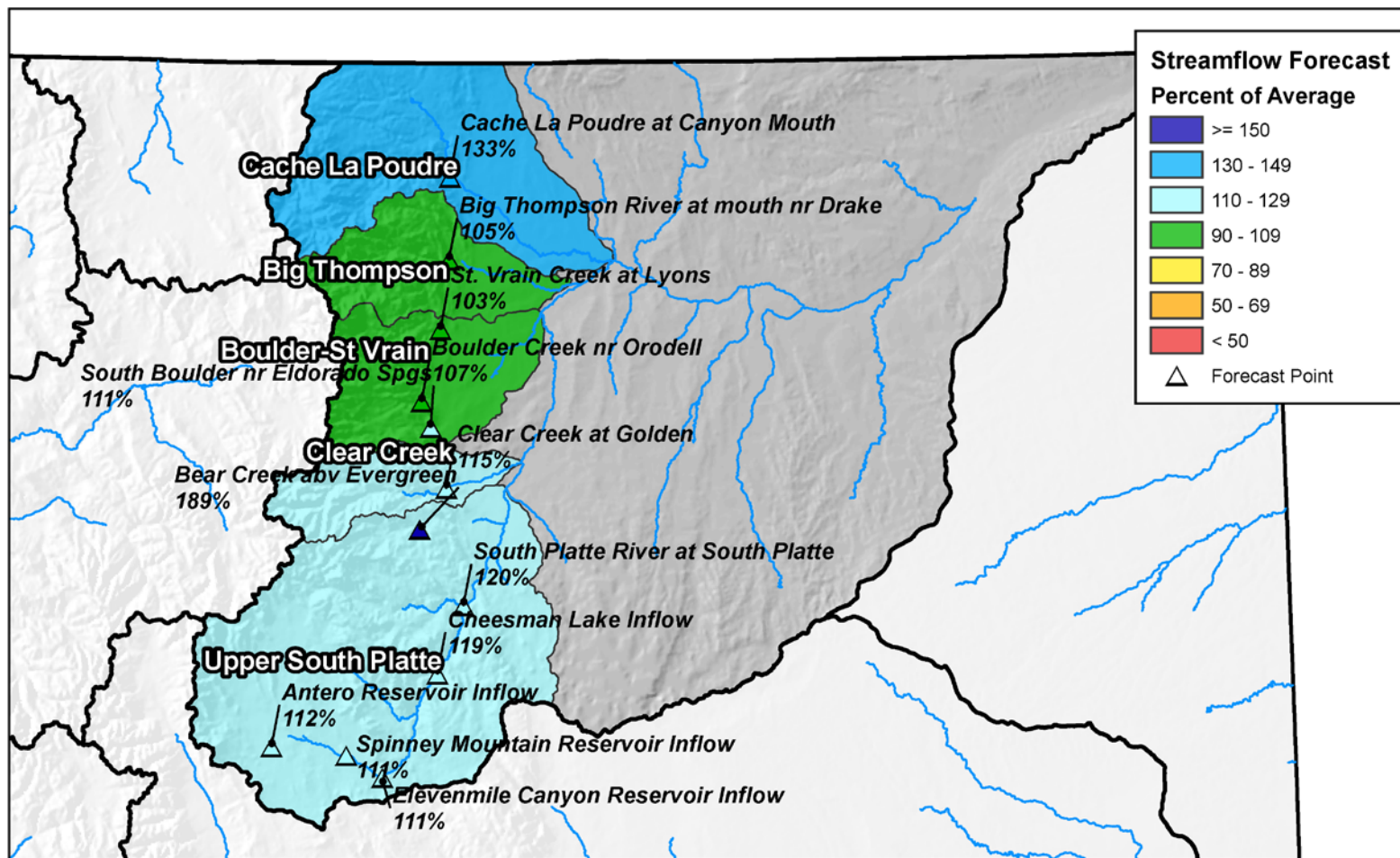
South Platte River Basin Monthly Snowpack Summary June 1, 2016



0 10 20 40 60 80 Miles

South Platte River Basin Streamflow Forecast Summary

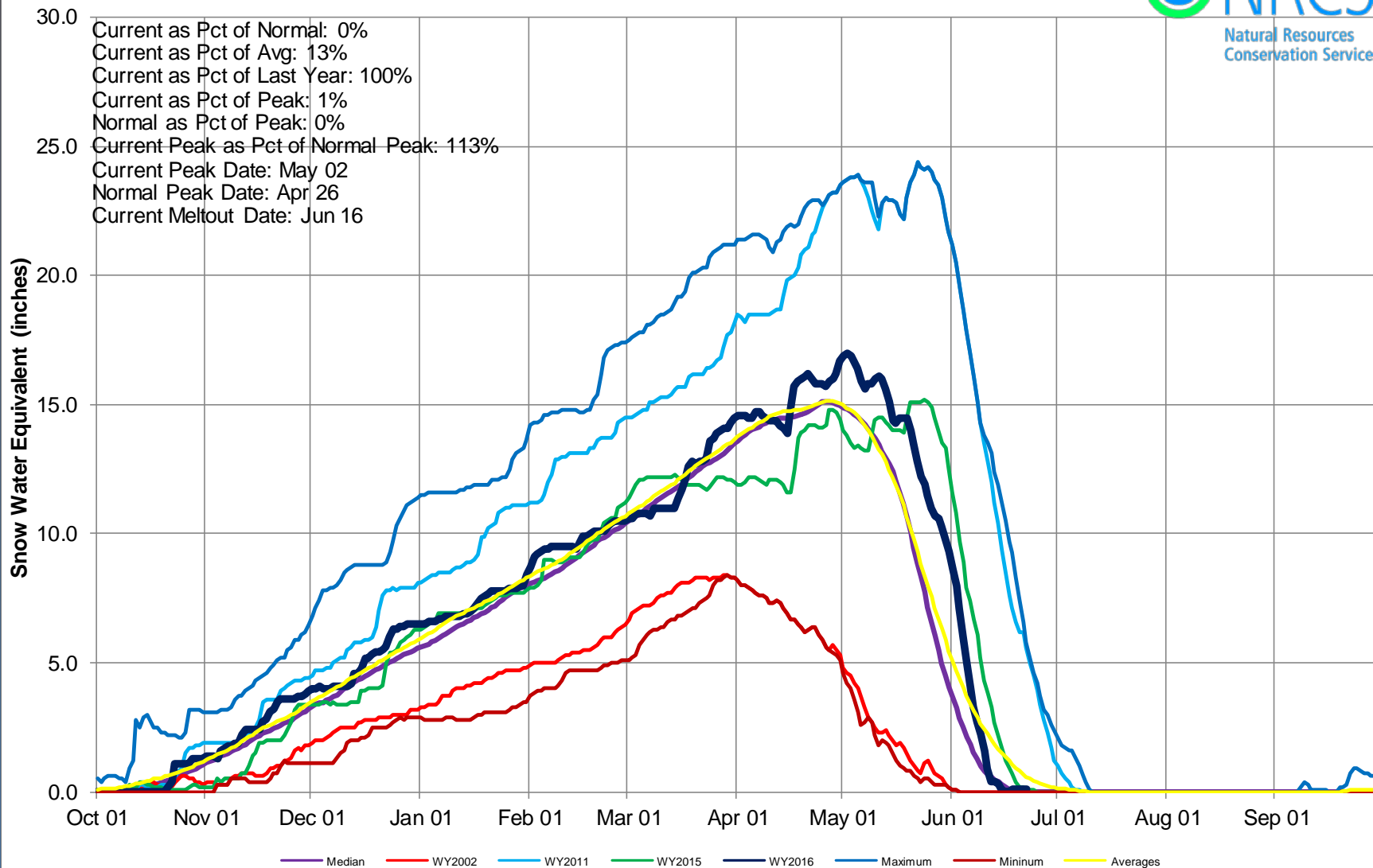
June 1, 2016





South Platte River Basin High/Low Snowpack Summary

Based on Provisional SNOTEL data as of Jun 22, 2016



South Platte River Basin Snow Water Equivalent (SWE) Summary

Current as of Jun 21, 2016

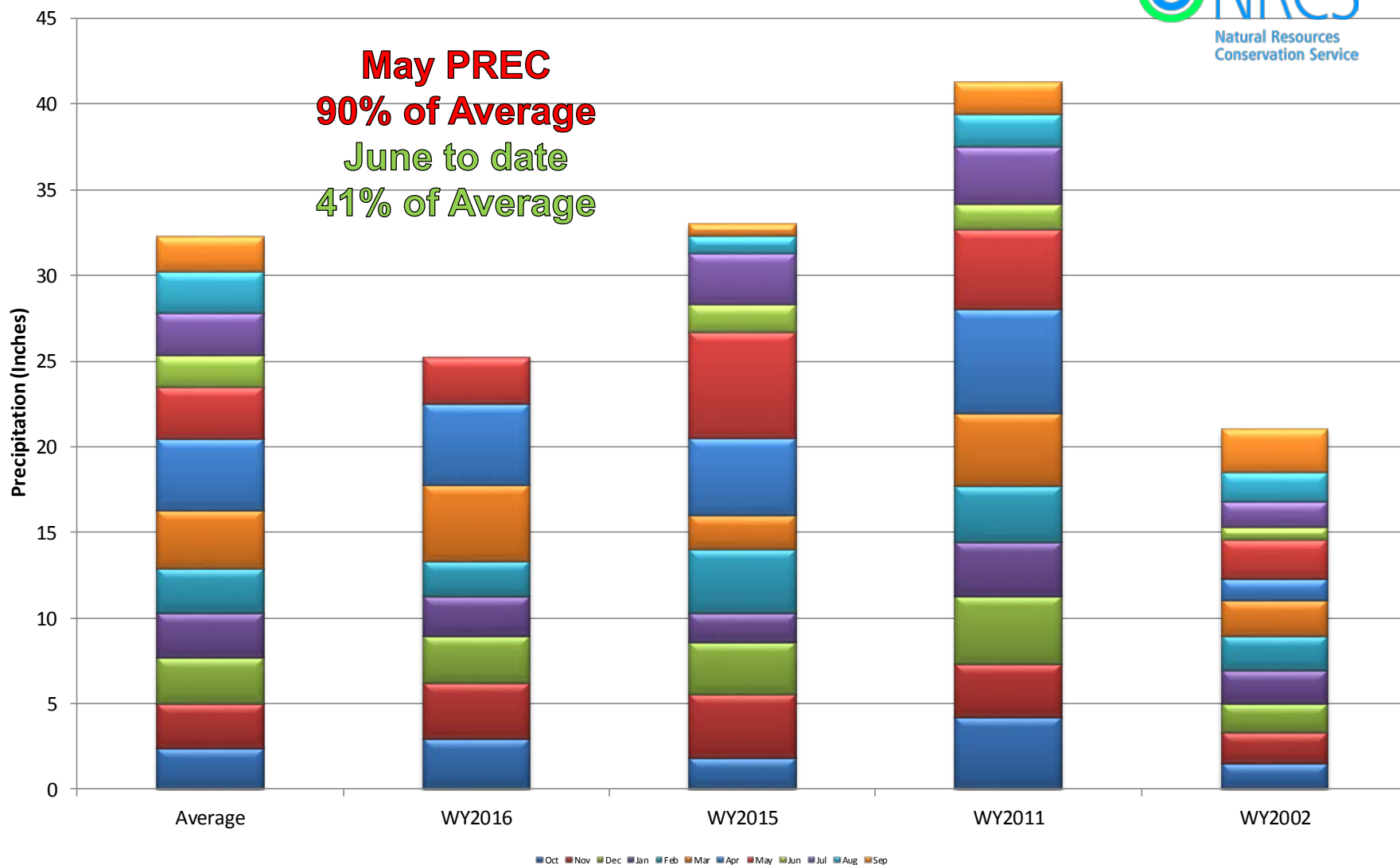


0 10 20 40 60 80 Miles



South Platte River Basin High/Low Monthly Precipitation Summary

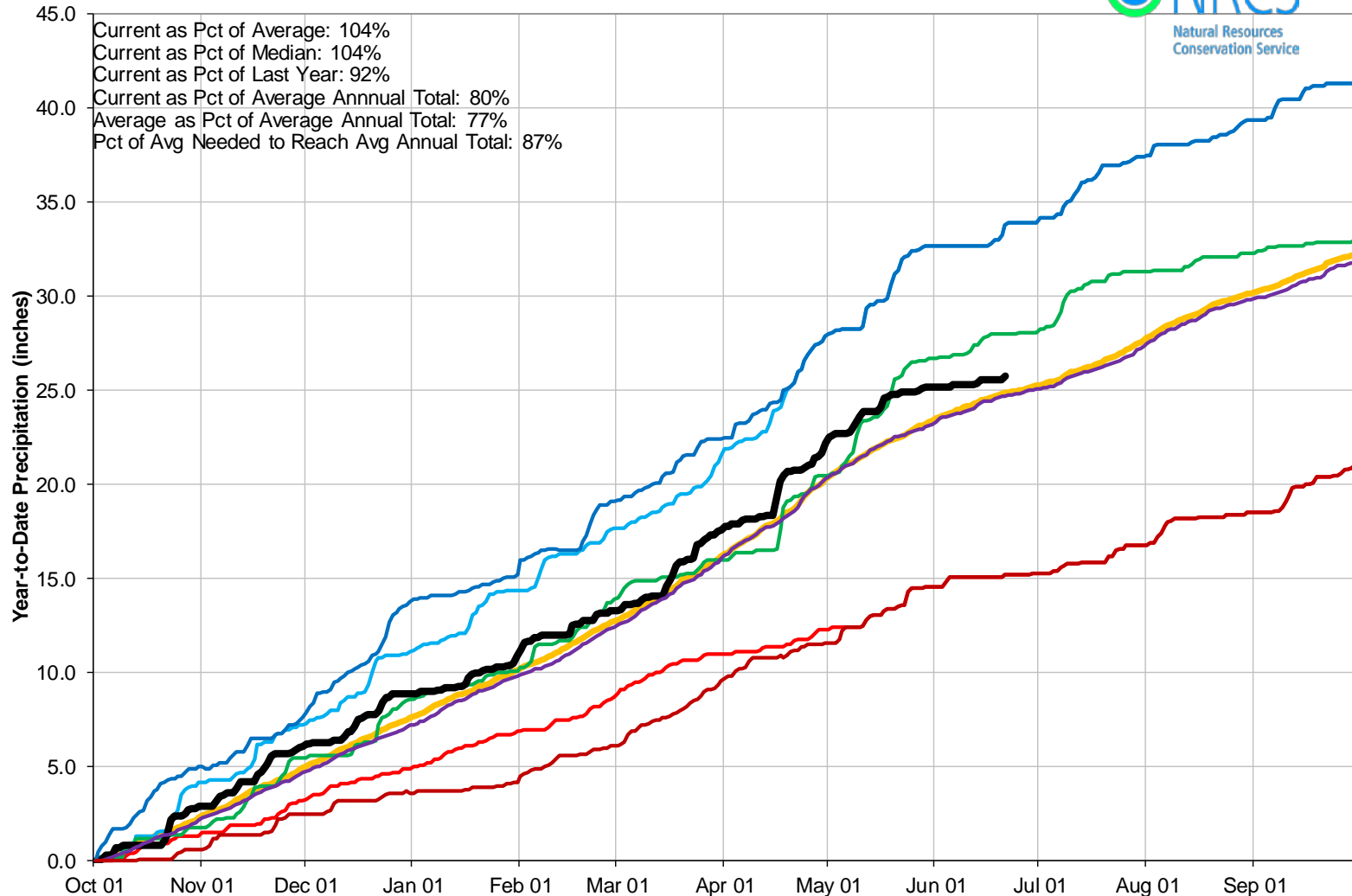
Based on Provisional SNOTEL data as of Jun 21, 2016

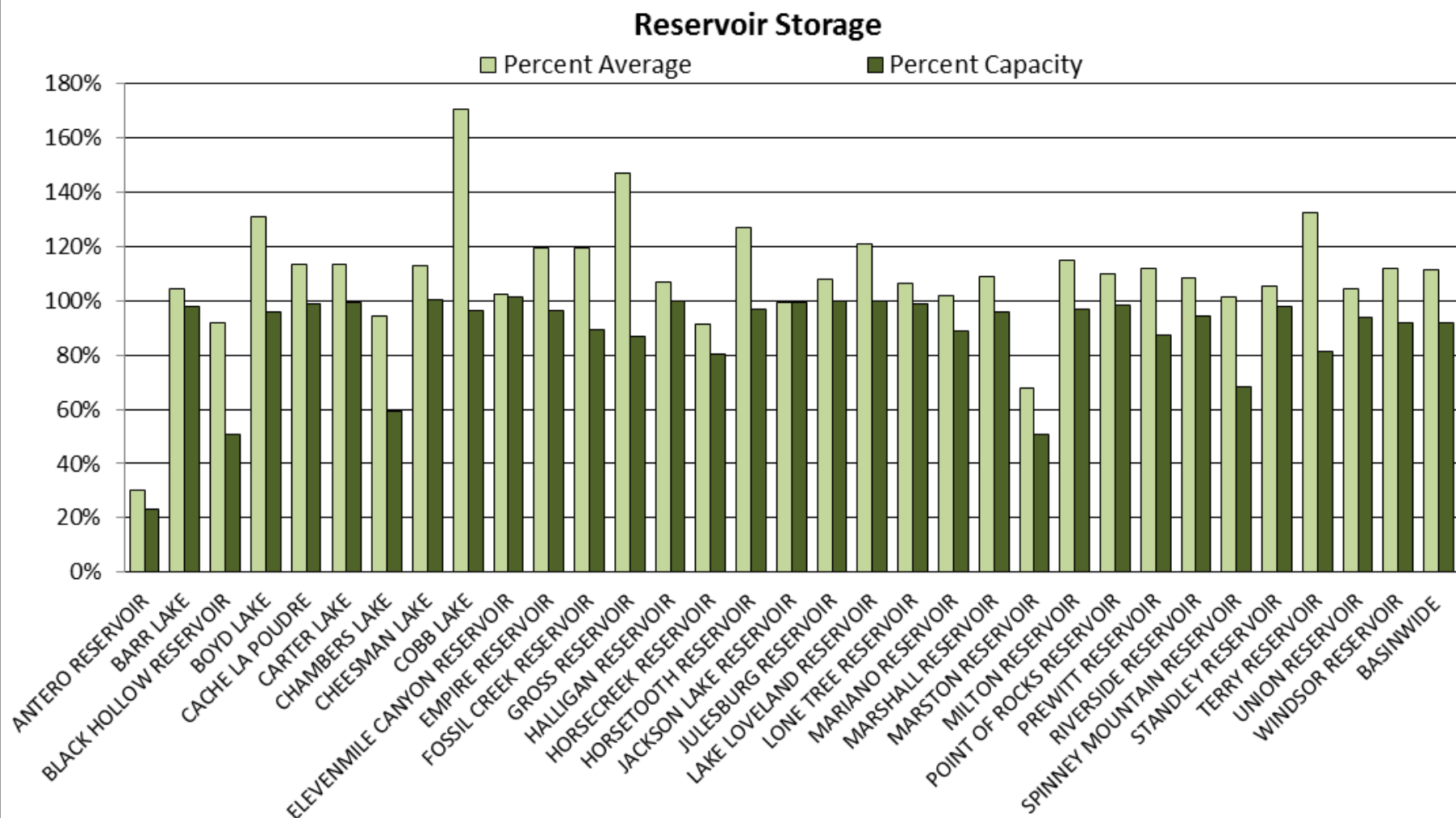




South Platte River Basin High/Low Year-to-Date Precipitation Summary

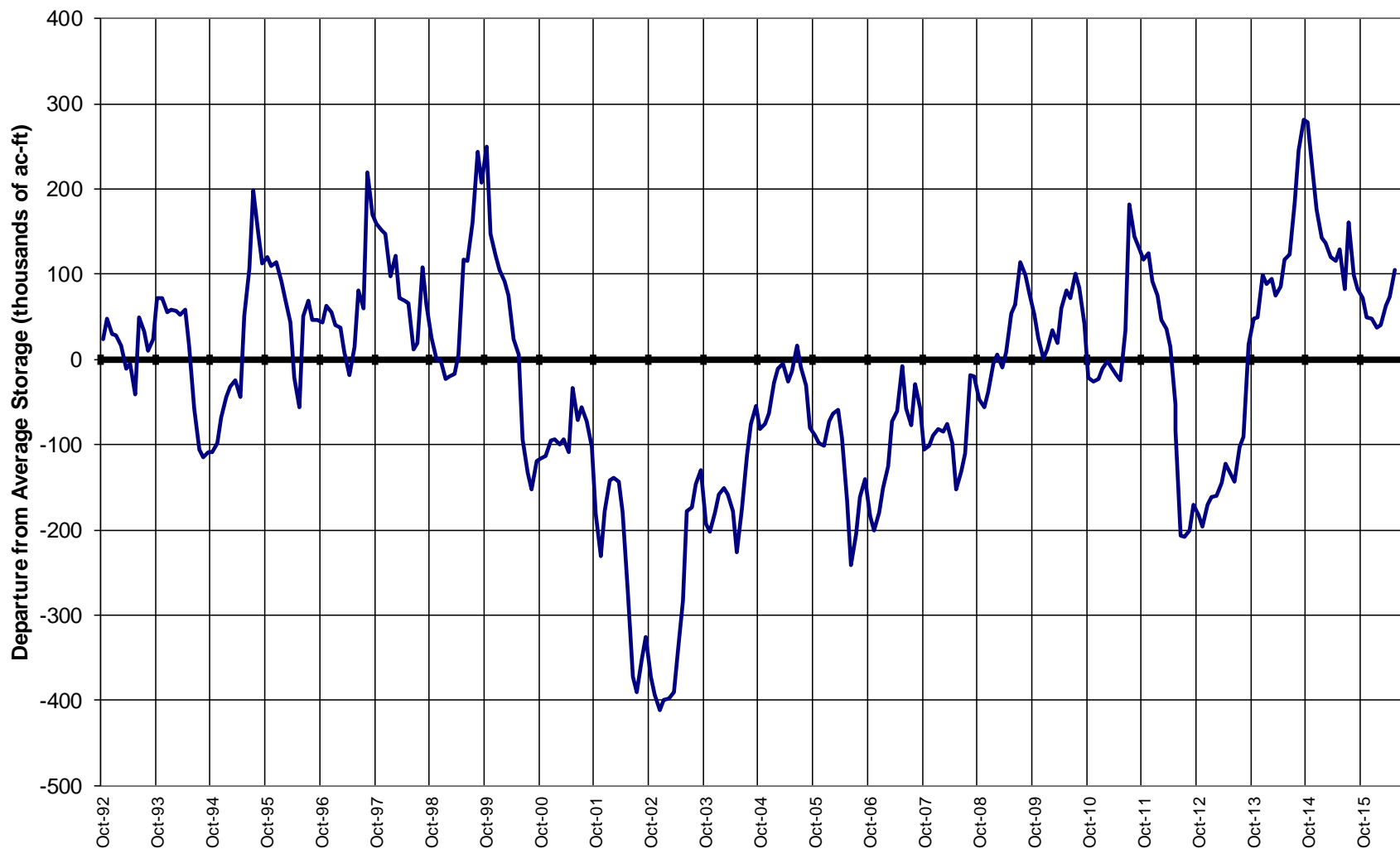
Based on Provisional SNOTEL data as of Jun 21, 2016





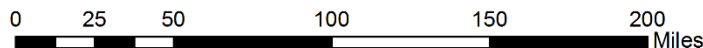
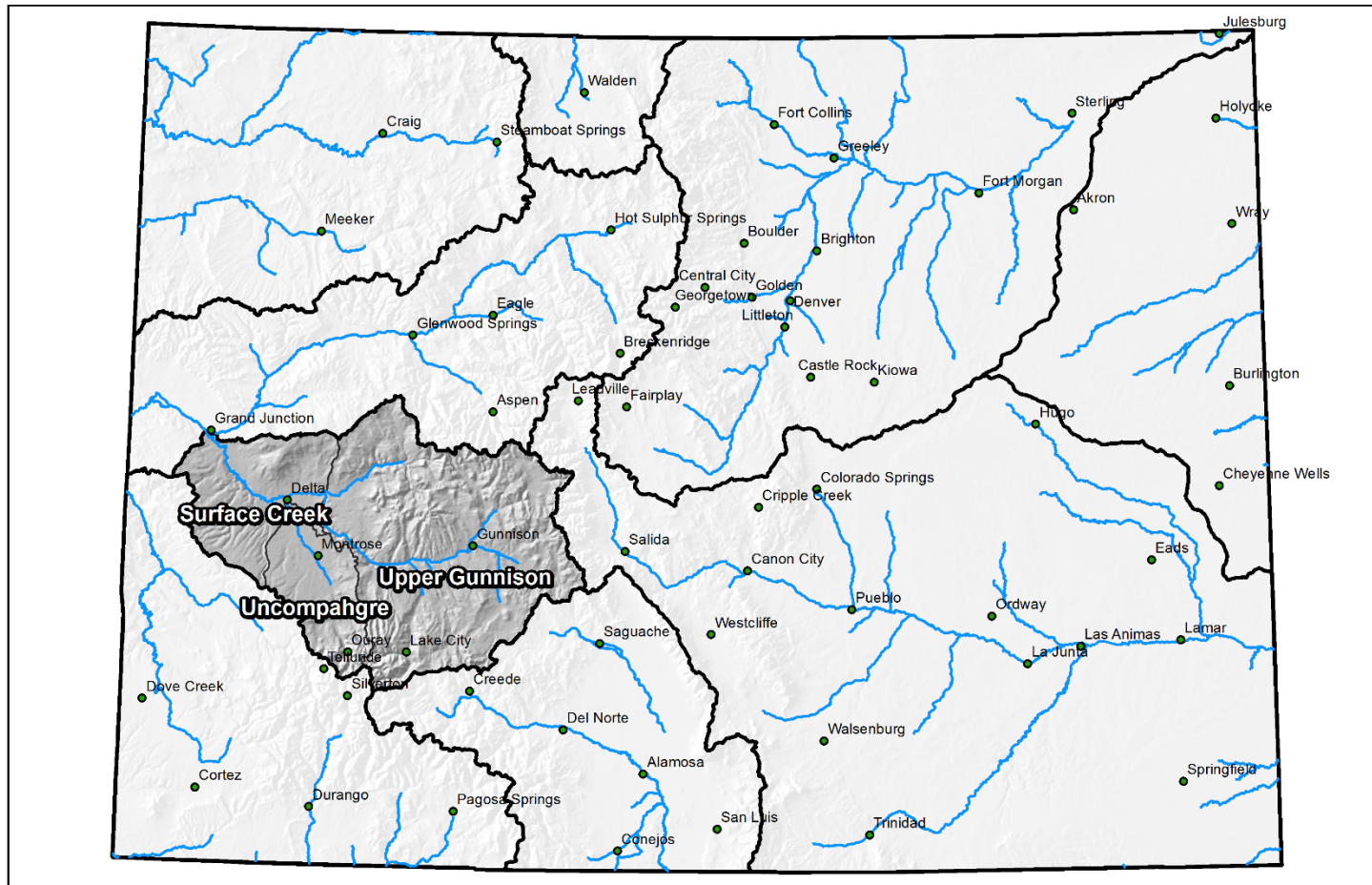


SOUTH PLATTE RIVER BASIN Reservoir Storage Departure from Average

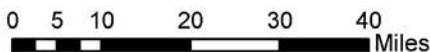
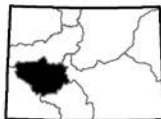
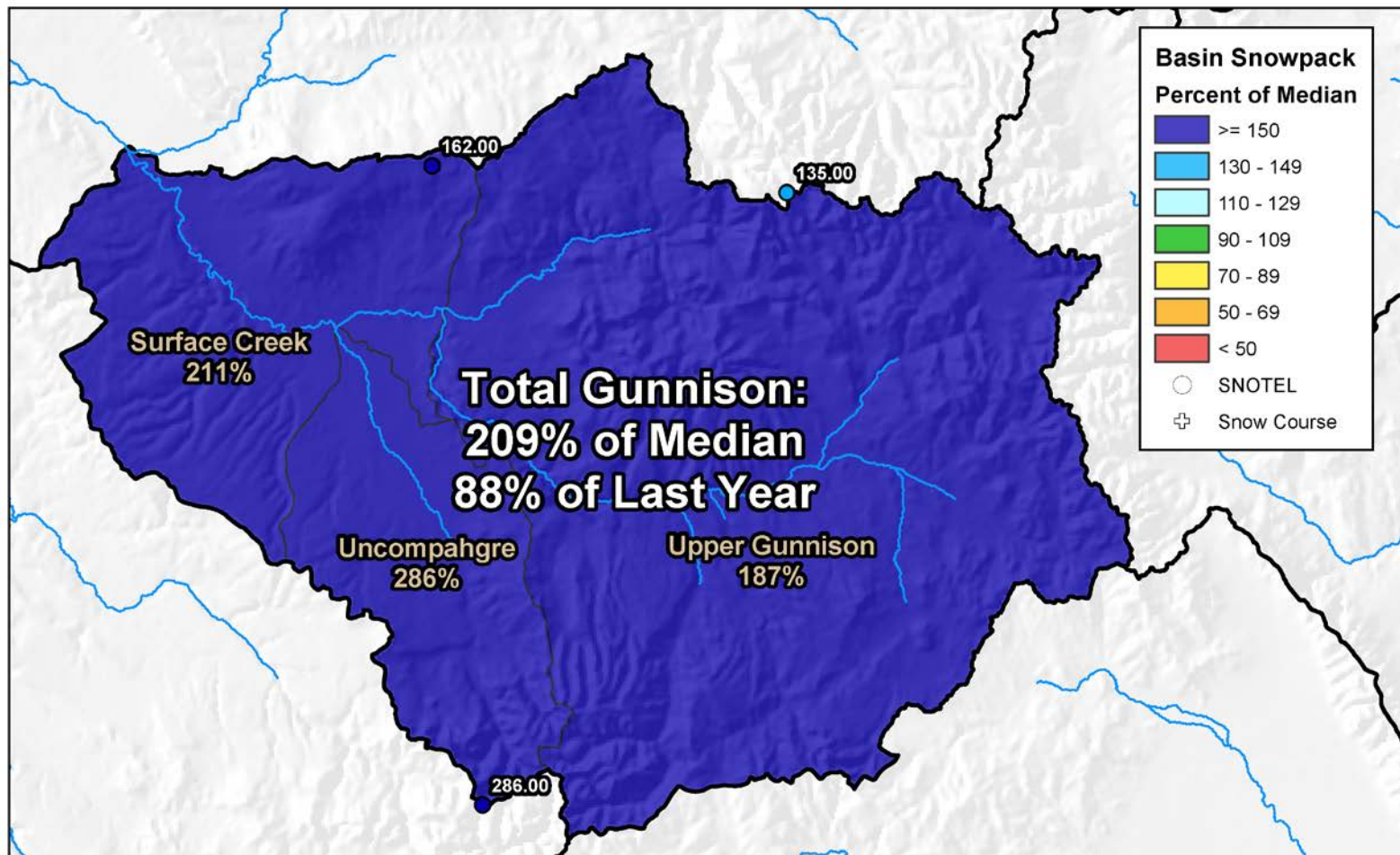


Major Basin Summary

Gunnison River Basin

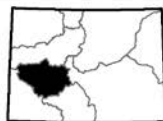
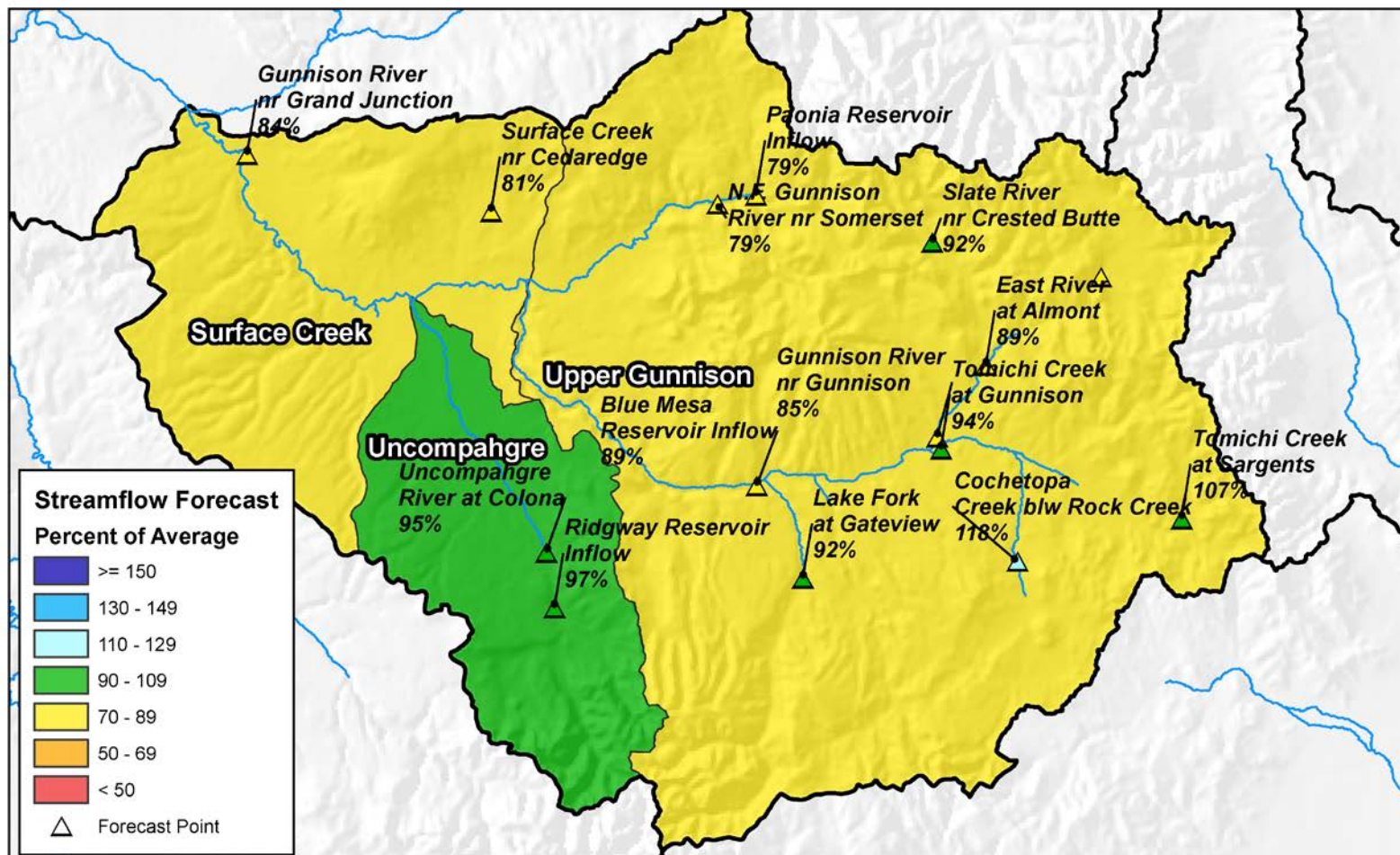


Gunnison River Basin Monthly Snowpack Summary June 1, 2016



Gunnison River Basin Water Supply Forecast Summary

June 1, 2016

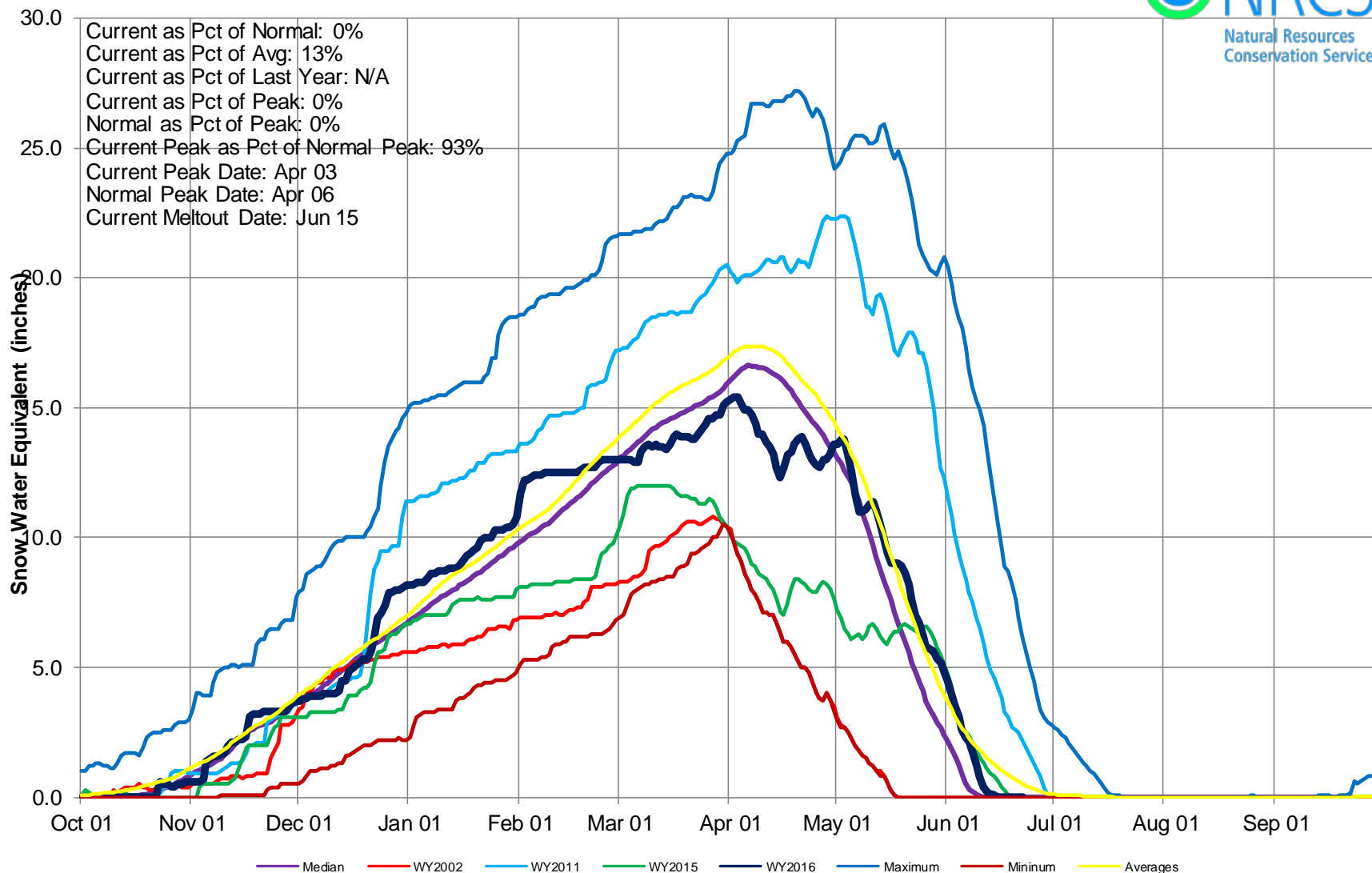


0 5 10 20 30 40 Miles



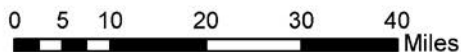
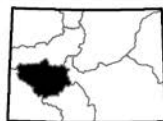
Gunnison River Basin High/Low Snowpack Summary

Based on Provisional SNOTEL data as of Jun 22, 2016



Gunnison River Basin Snow Water Equivalent (SWE) Summary

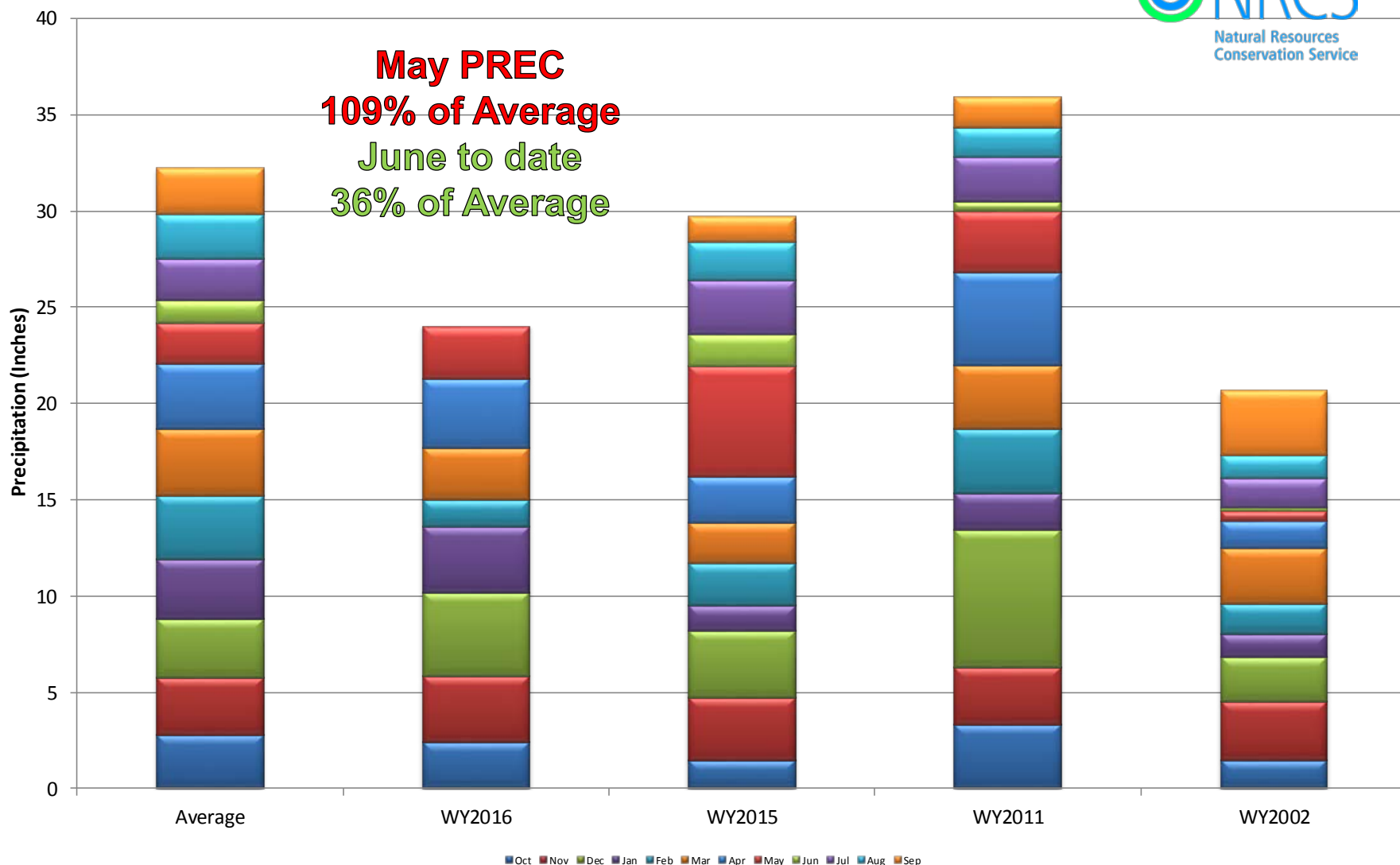
Current as of Jun 21, 2016





Gunnison River Basin High/Low Monthly Precipitation Summary

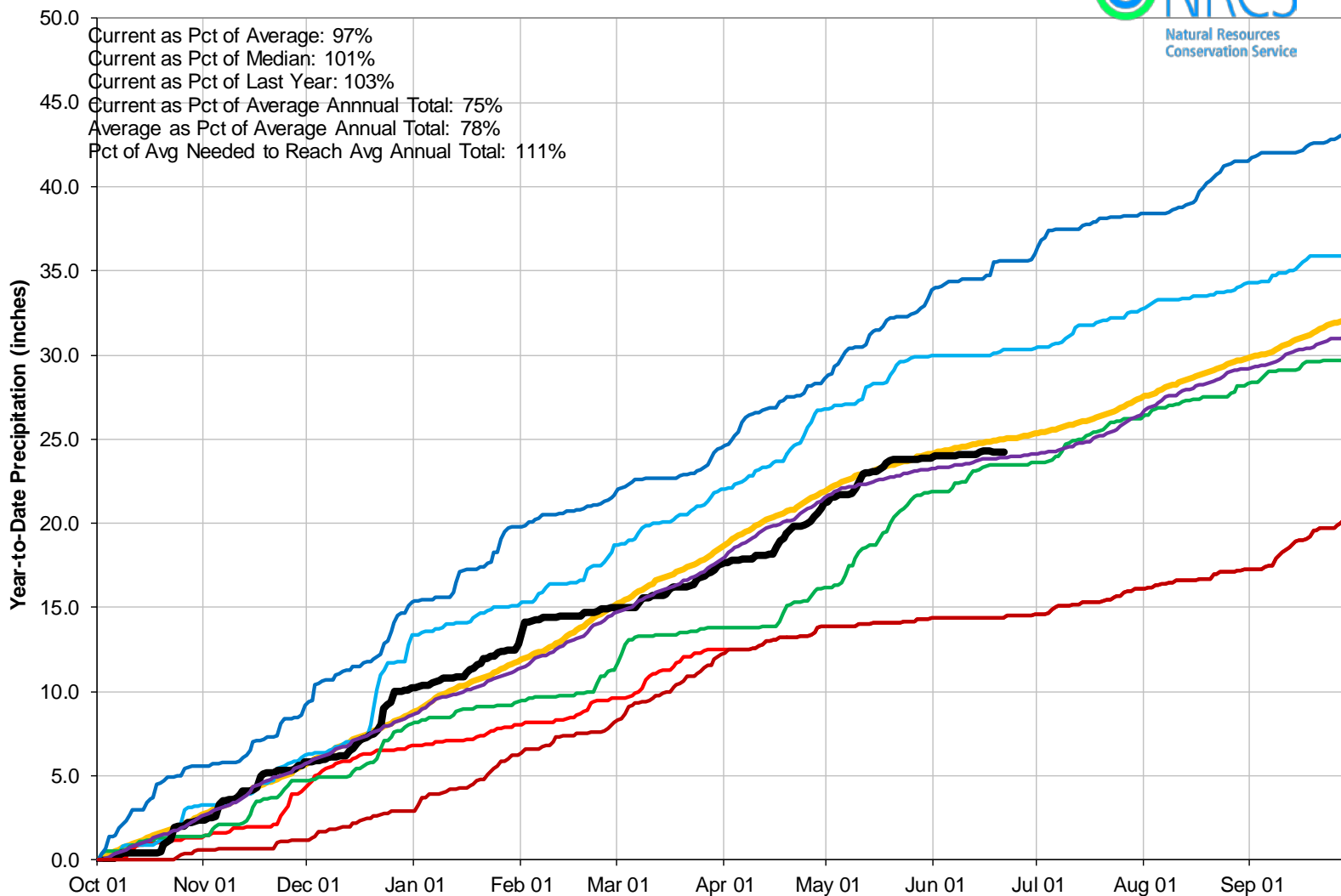
Based on Provisional SNOTEL data as of Jun 21, 2016

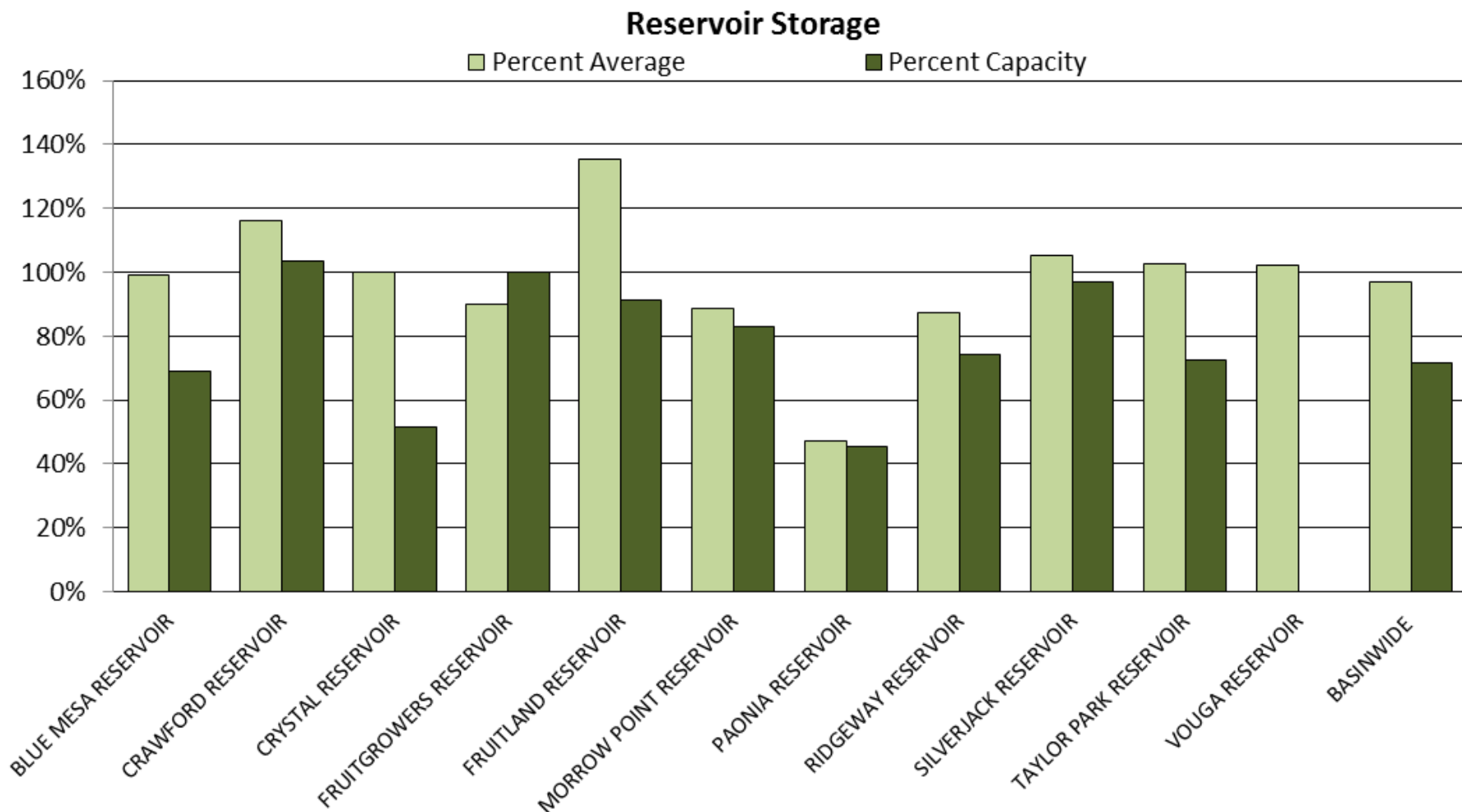




Gunnison River Basin High/Low Year-to-Date Precipitation Summary

Based on Provisional SNOTEL data as of Jun 21, 2016



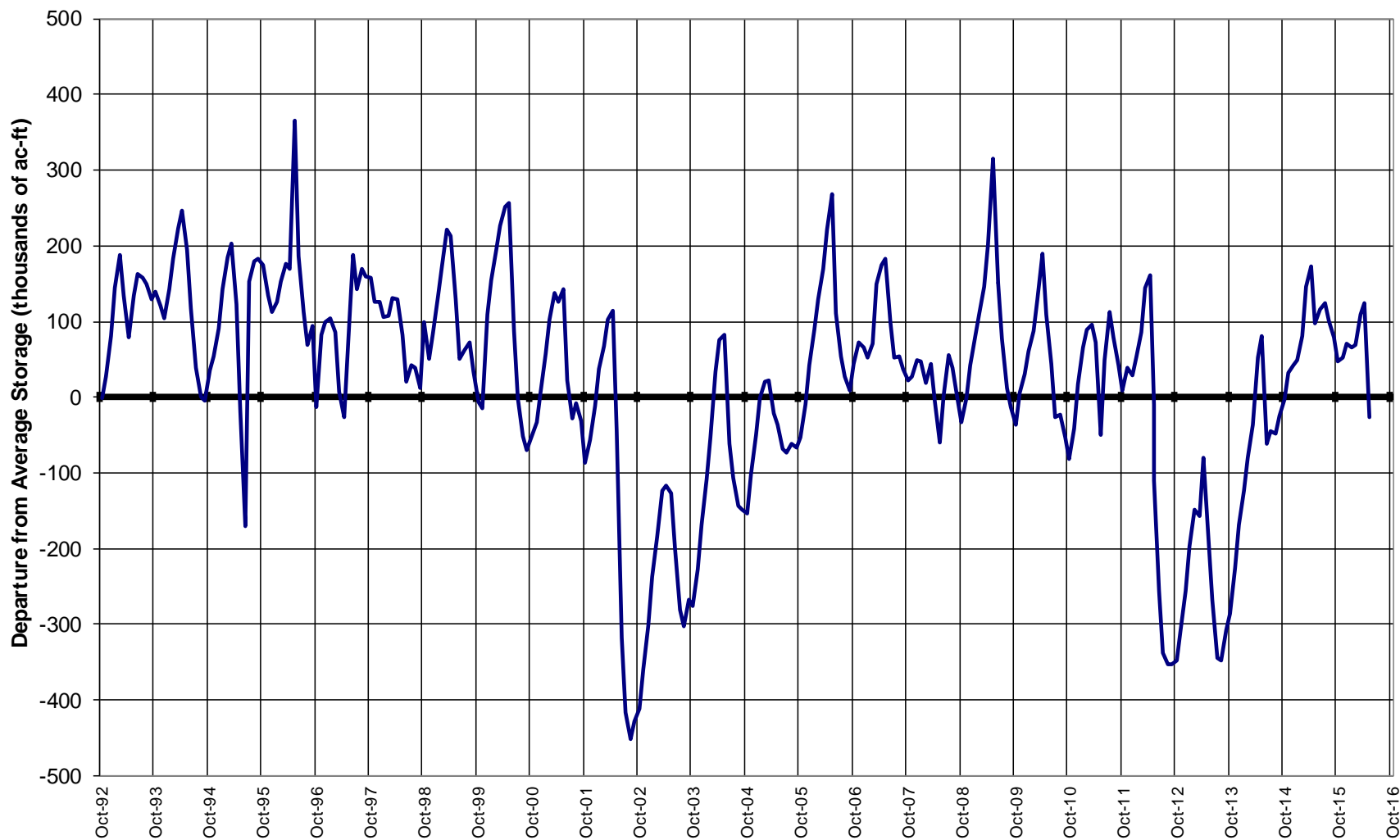




GUNNISON RIVER BASIN

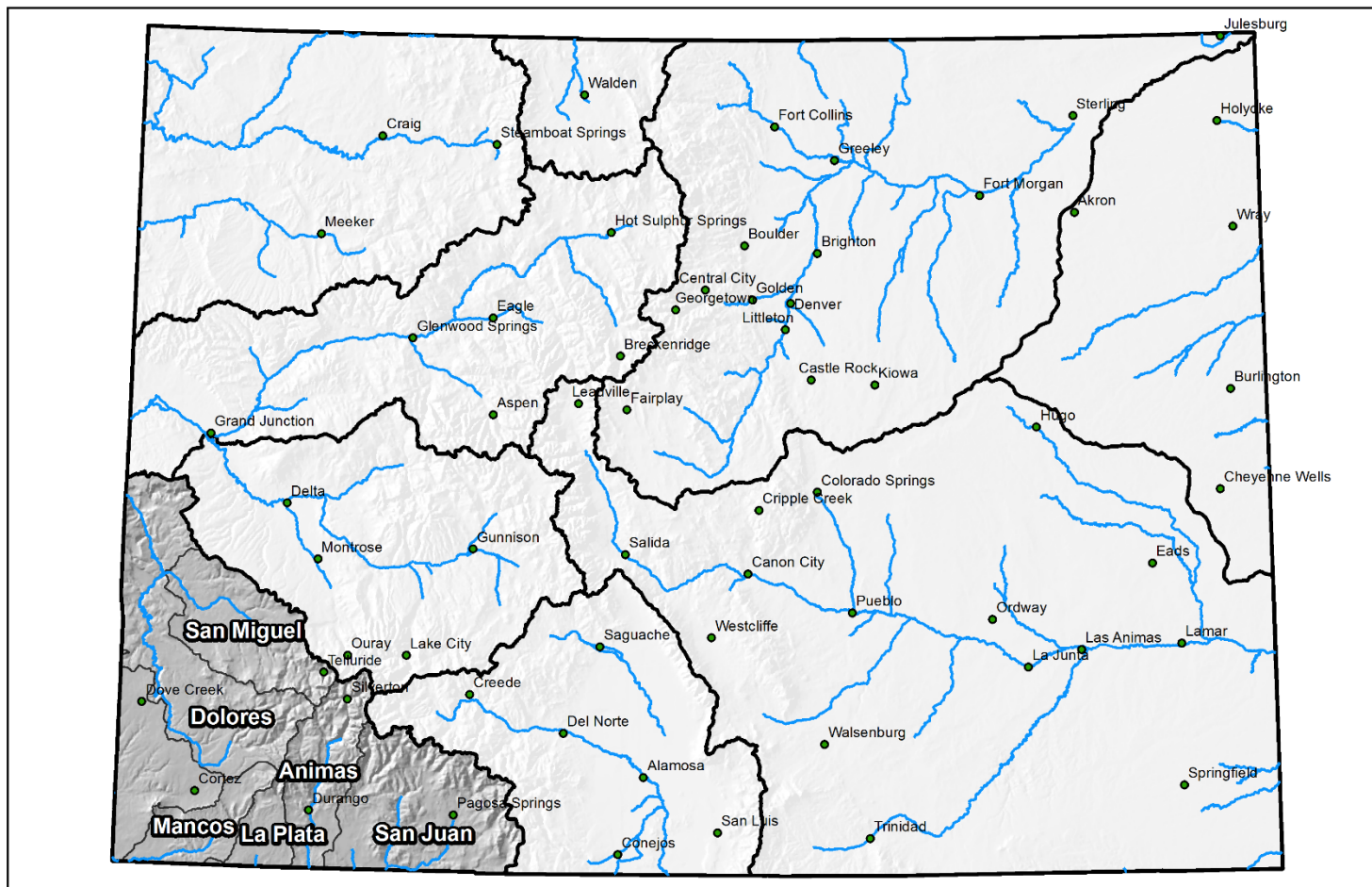
Reservoir Storage

Departure from Average



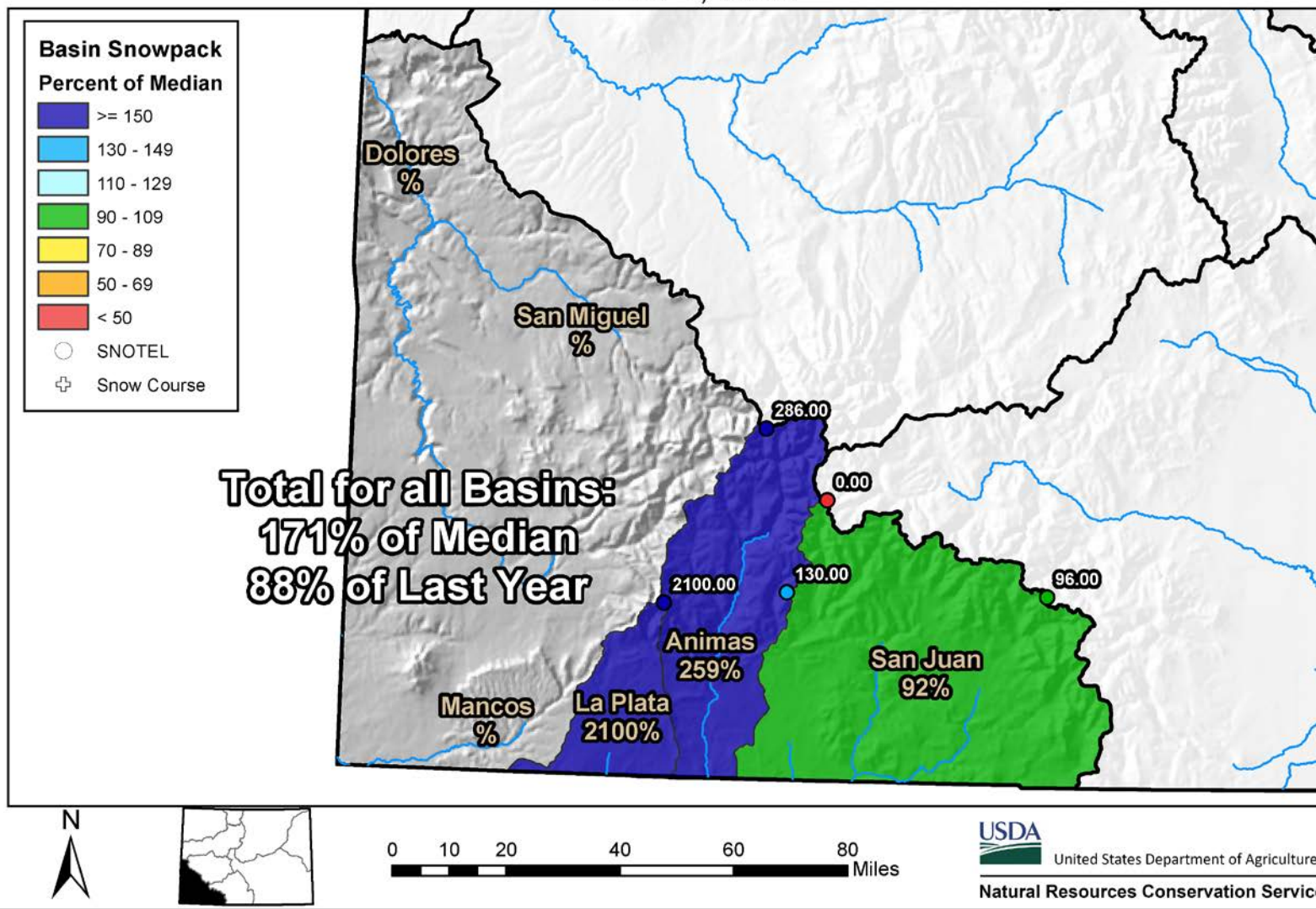
Major Basin Summary

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



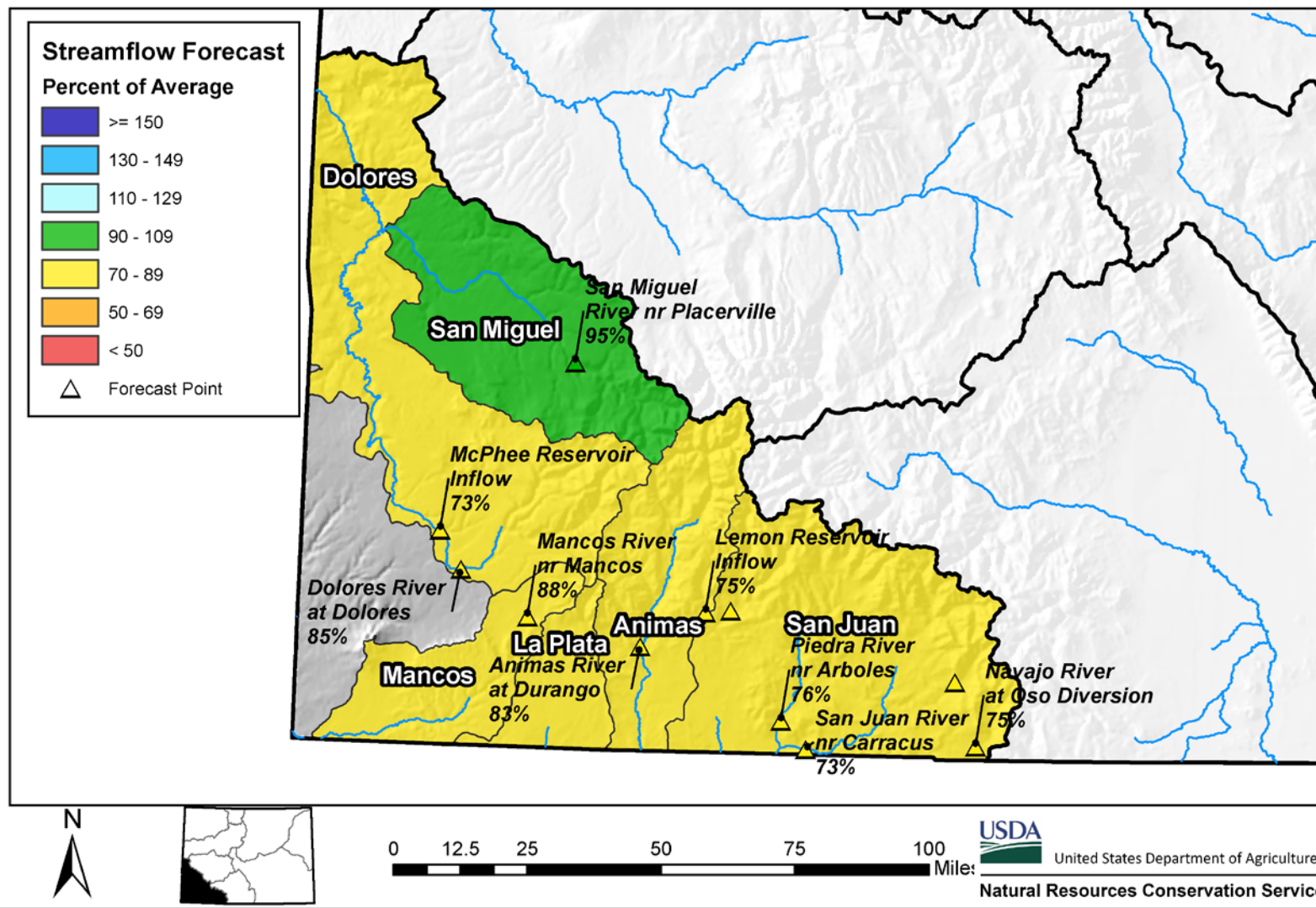
0 25 50 100 150 200 Miles

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



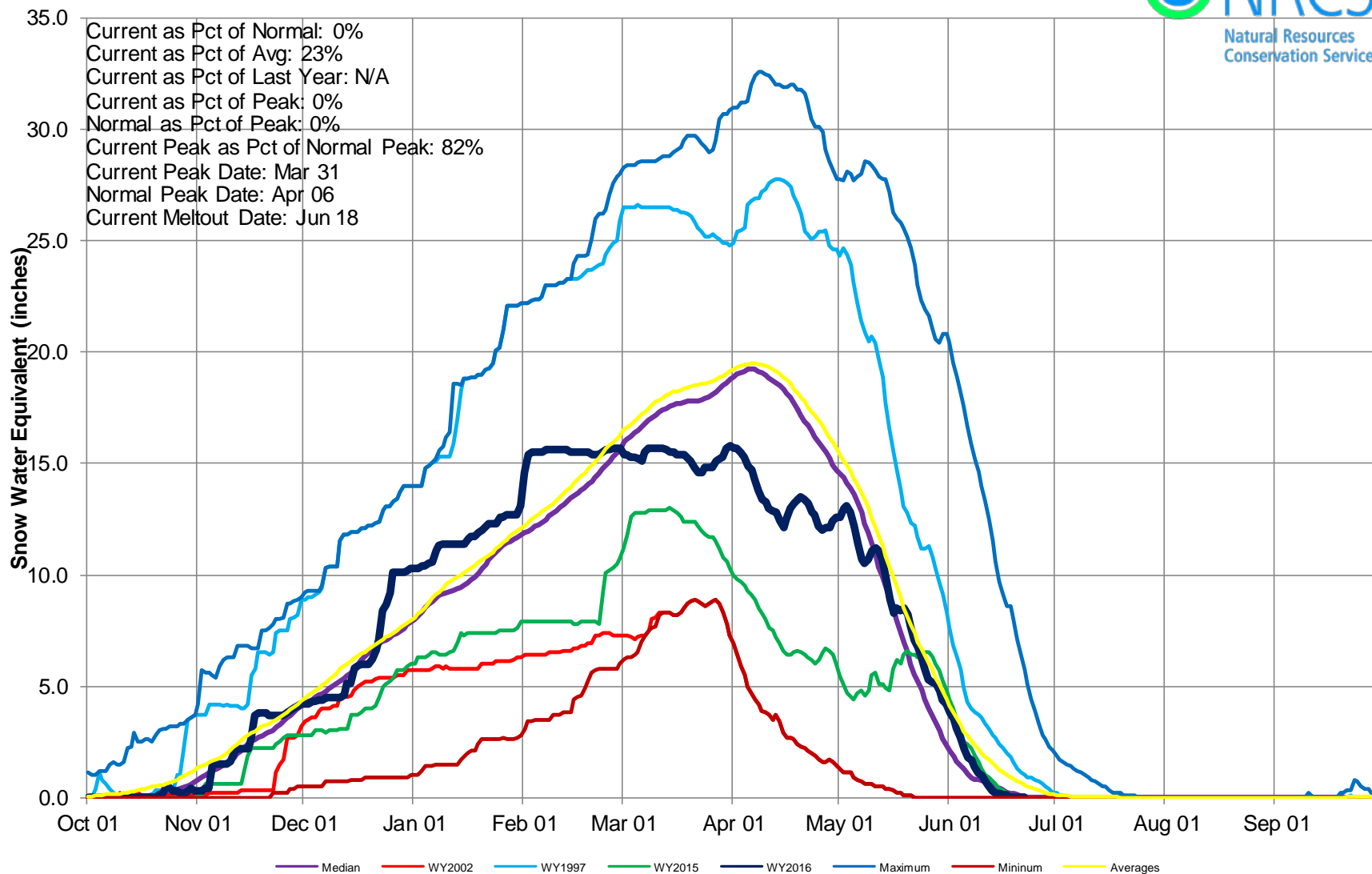
San Miguel, Dolores, Animas, and San Juan River Basins Streamflow Forecast Summary

June 1, 2016



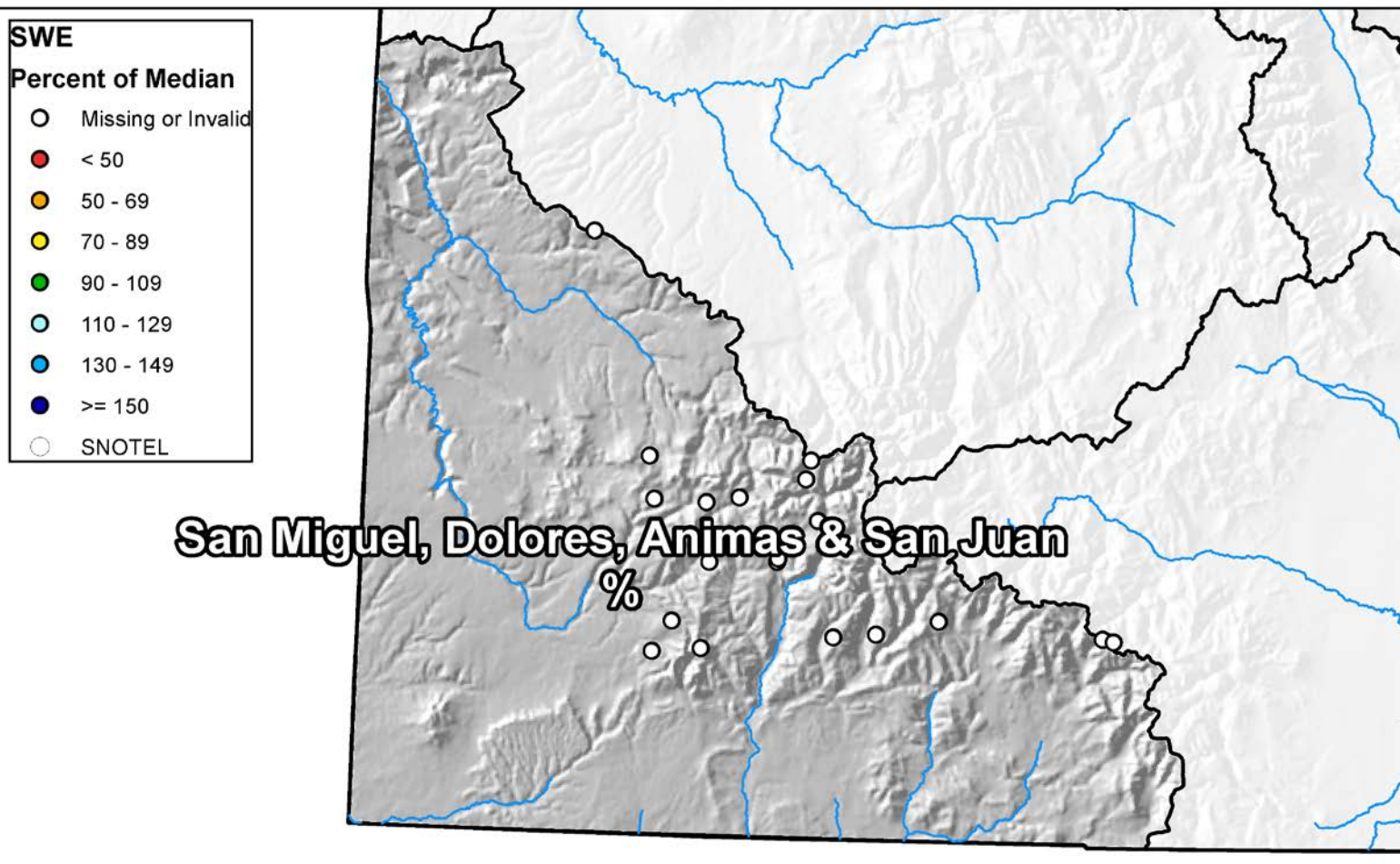
San Miguel, Dolores, Animas and San Juan River Basins High/Low Snowpack Summary

Based on Provisional SNOTEL data as of Jun 22, 2016



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

Current as of Jun 21, 2016

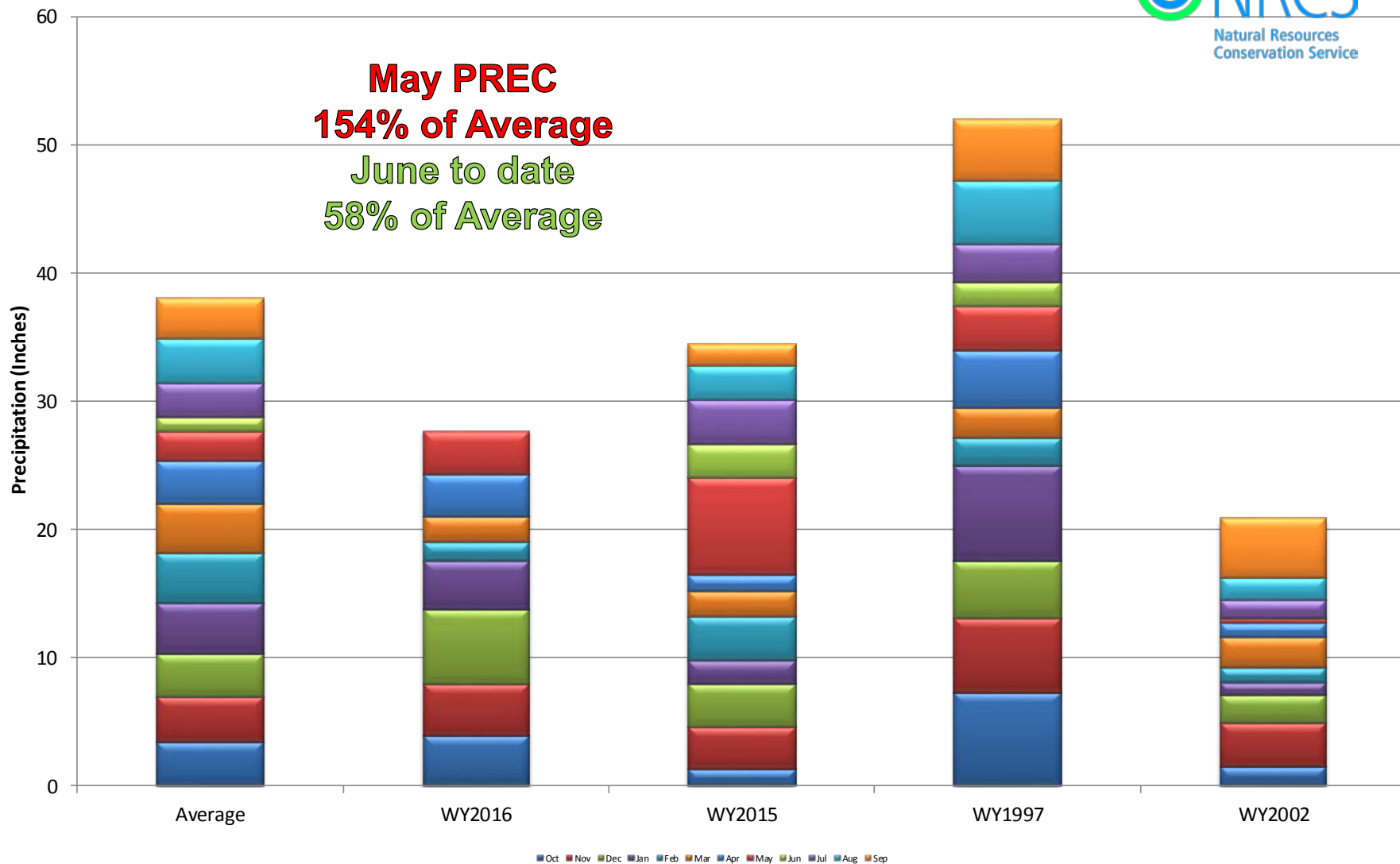




San Miguel, Dolores, Animas & San Juan River Basins High/Low Monthly Precipitation Summary



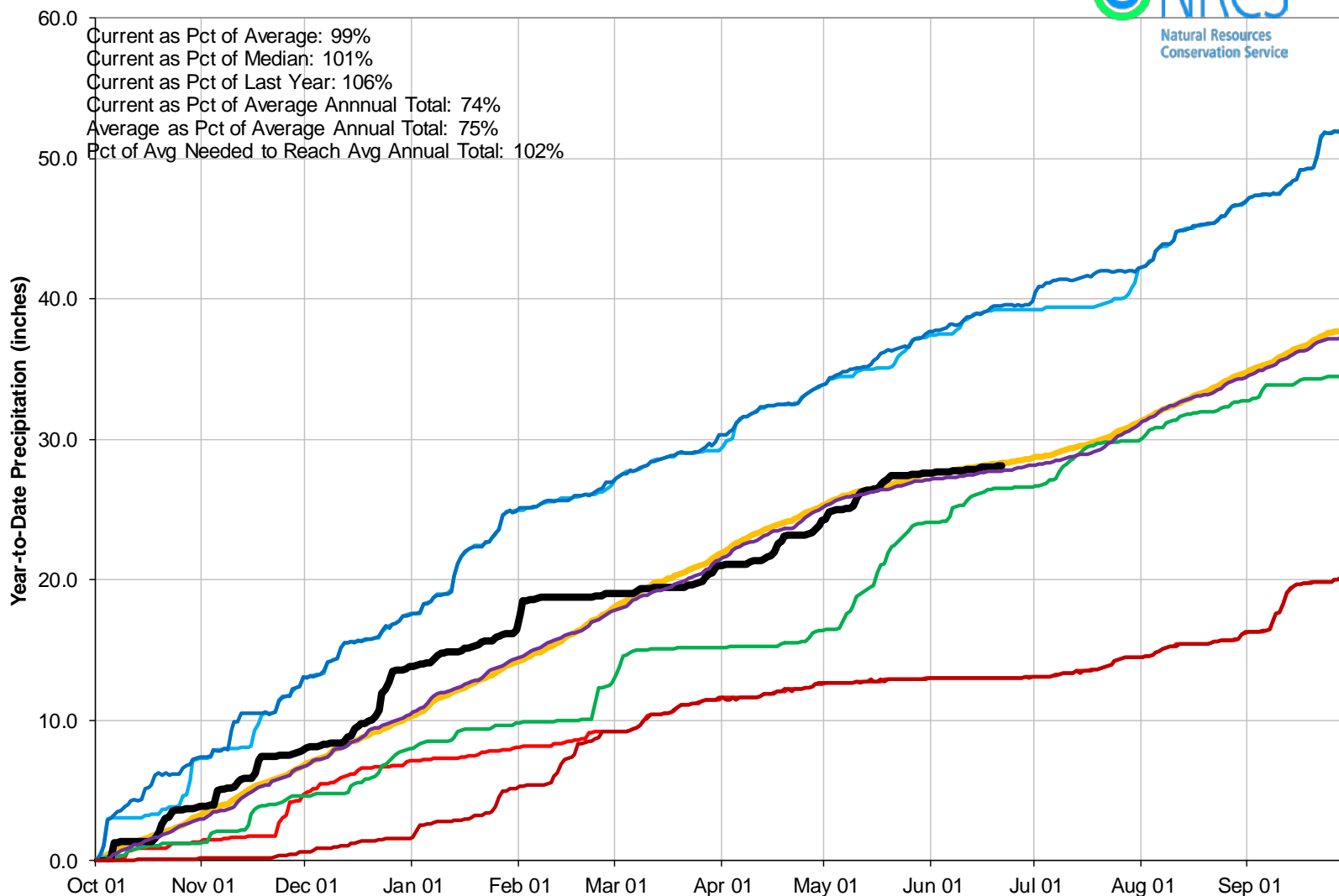
May PREC
154% of Average
June to date
58% of Average



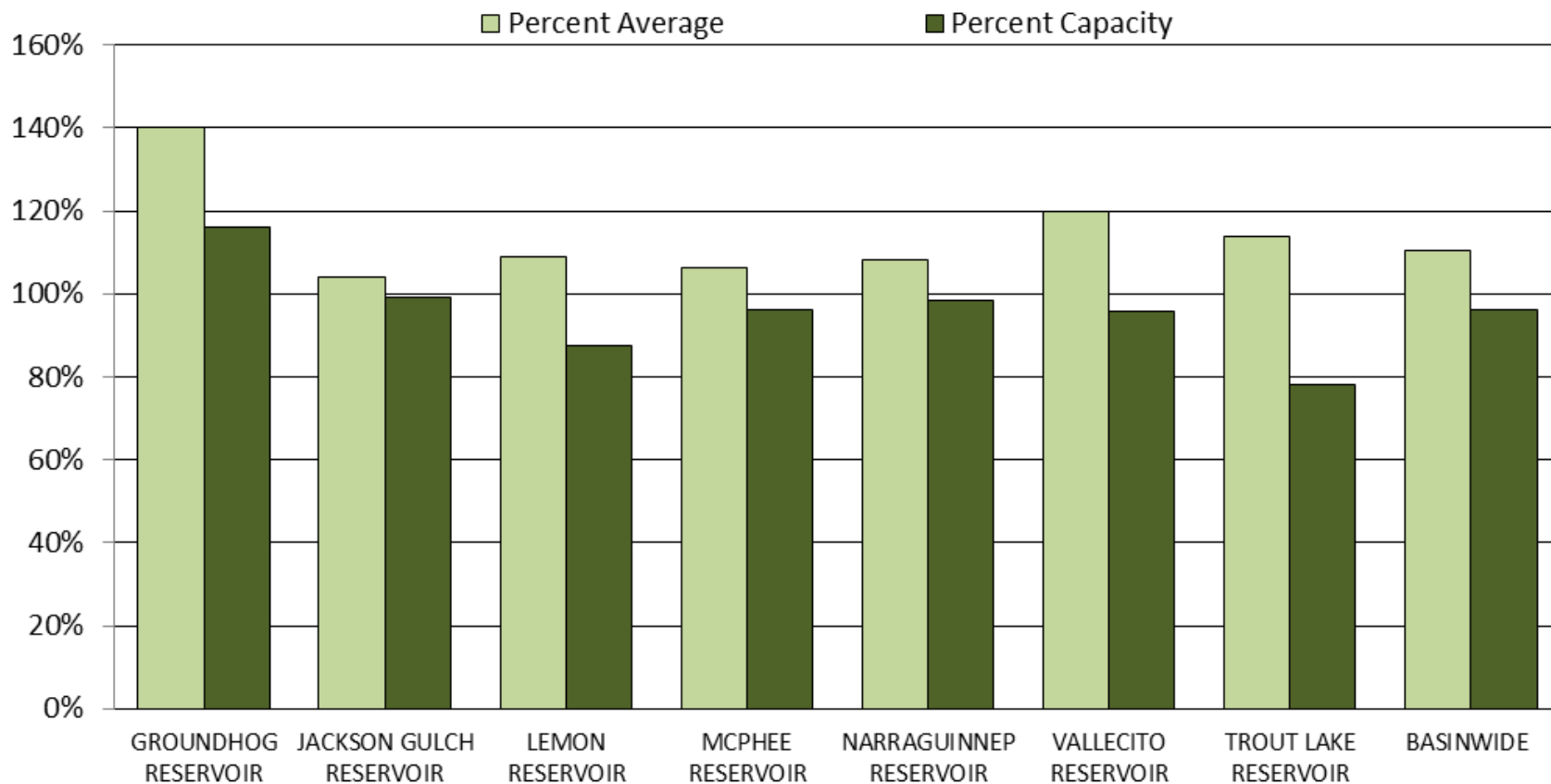


San Miguel, Dolores, Animas & San Juan River Basins High/Low Year-to-Date Precipitation Summary

Based on Provisional SNOTEL data as of Jun 21, 2016



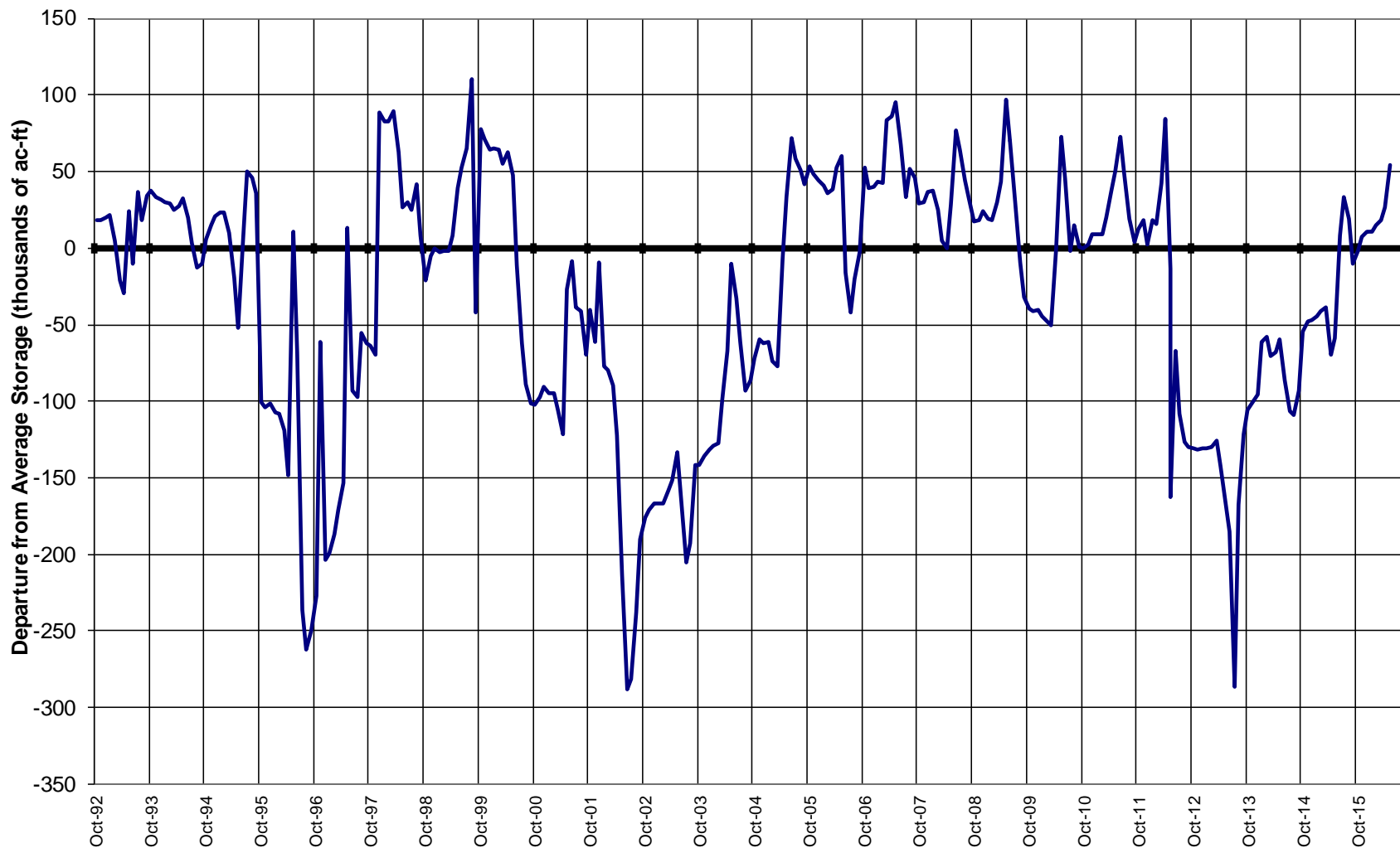
Reservoir Storage





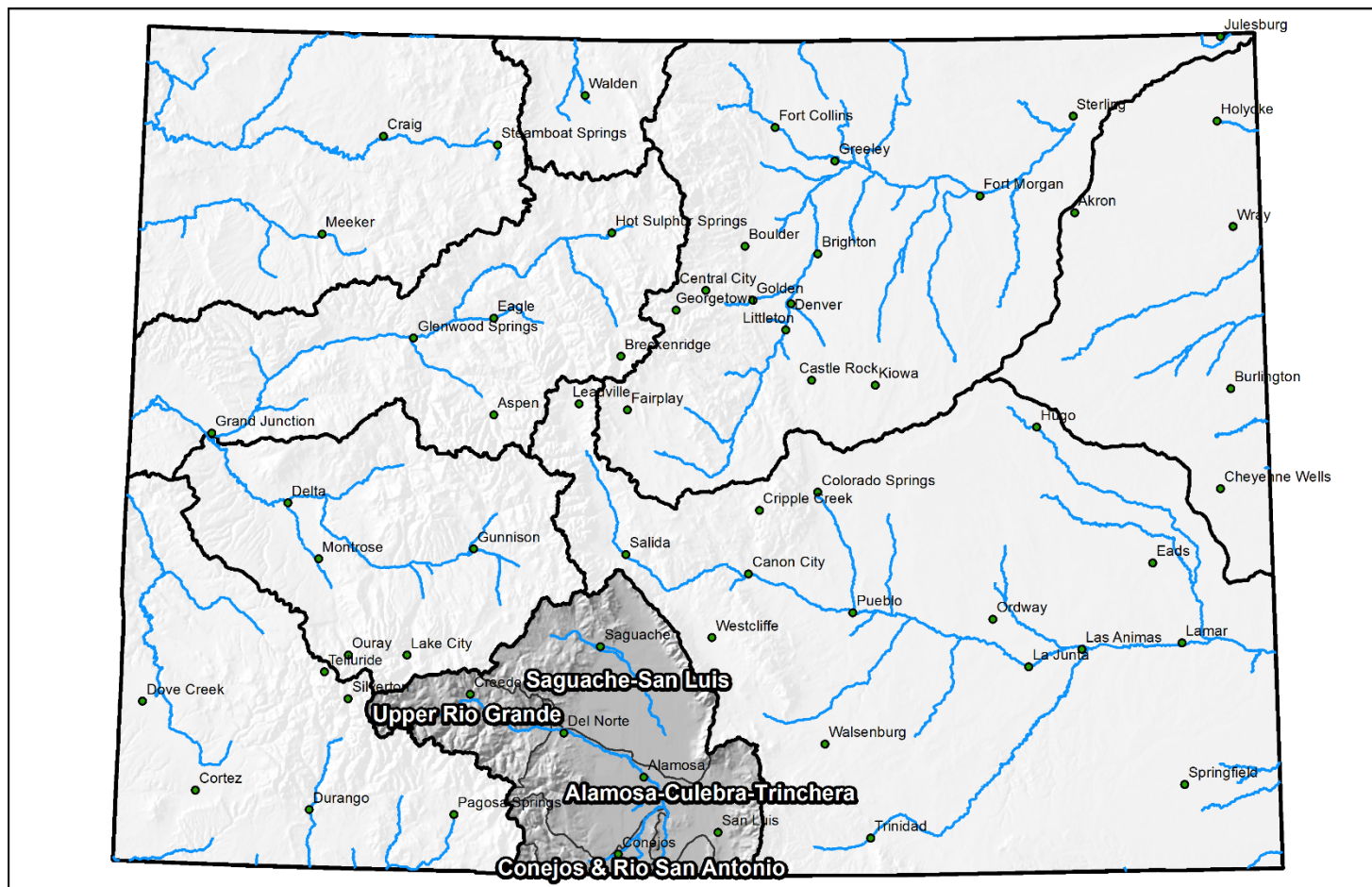
SAN MIGUEL, DOLORES, ANIMAS AND SAN JUAN RIVER BASINS

Reservoir Storage
Departure from Average



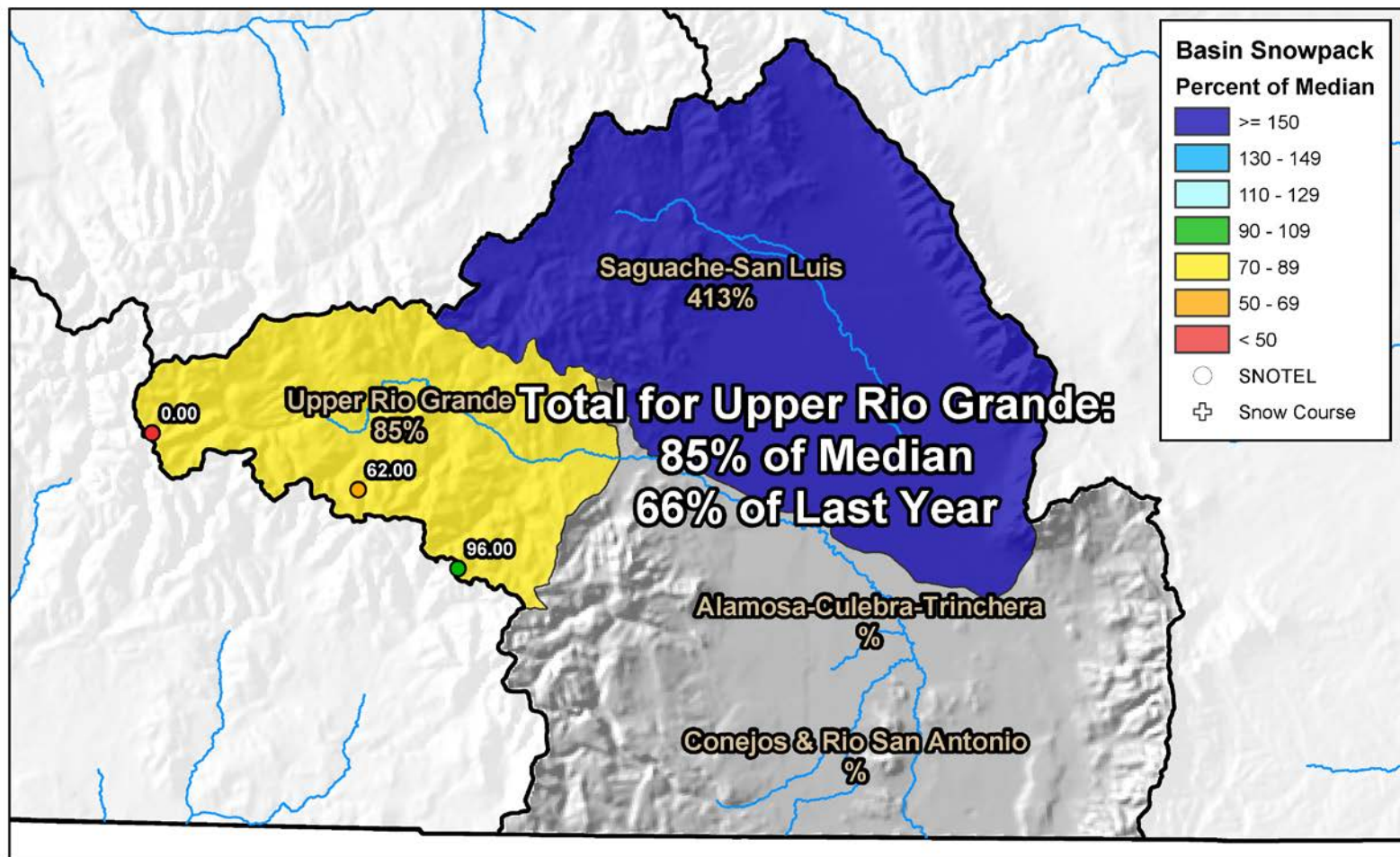
Major Basin Summary

Upper Rio Grande River Basin



0 25 50 100 150 200 Miles

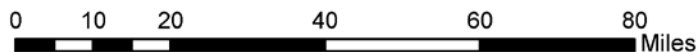
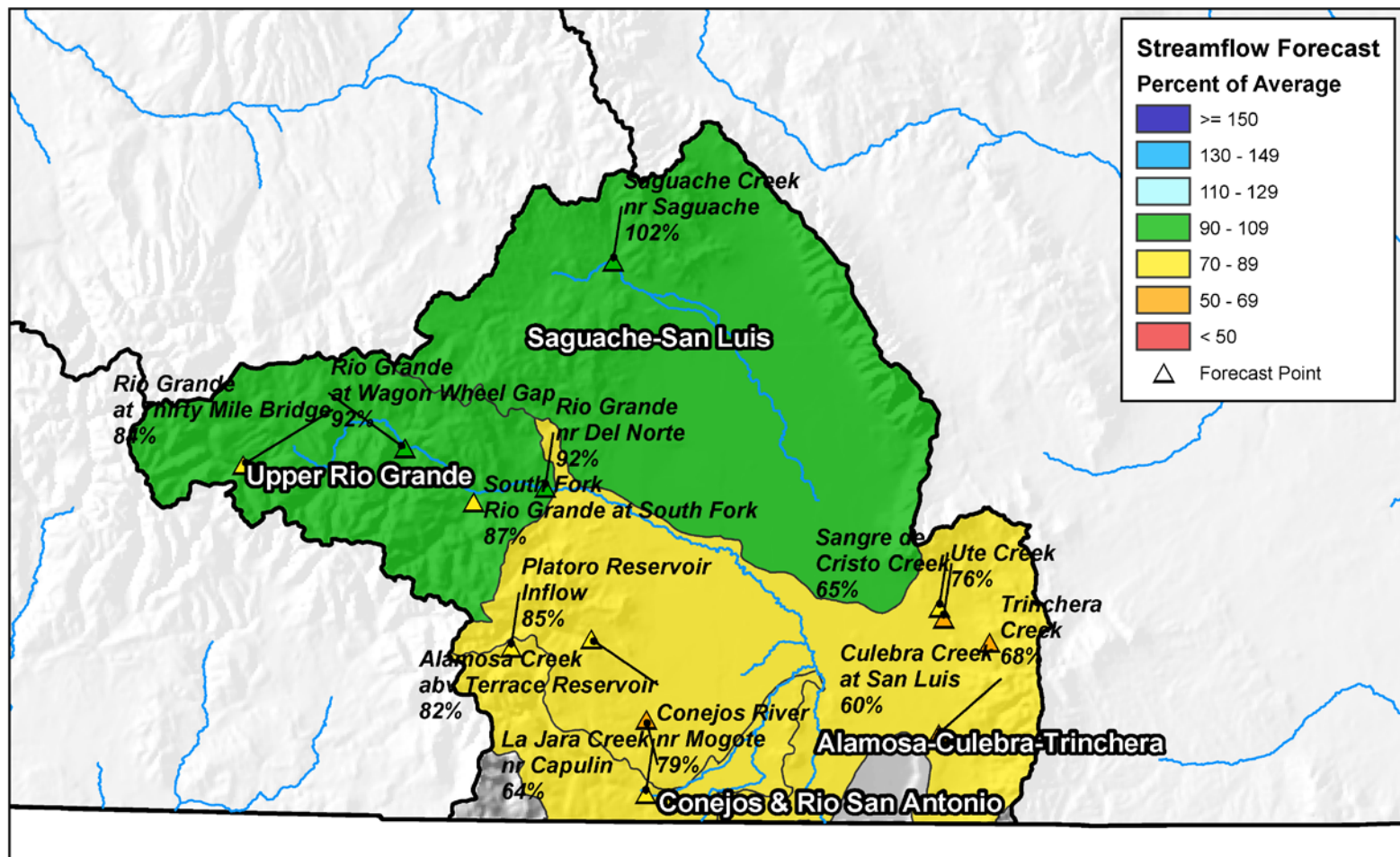
Upper Rio Grande River Basin Monthly Snowpack Summary June 1, 2016



0 5 10 20 30 40 Miles

Upper Rio Grande River Basin Streamflow Forecast Summary

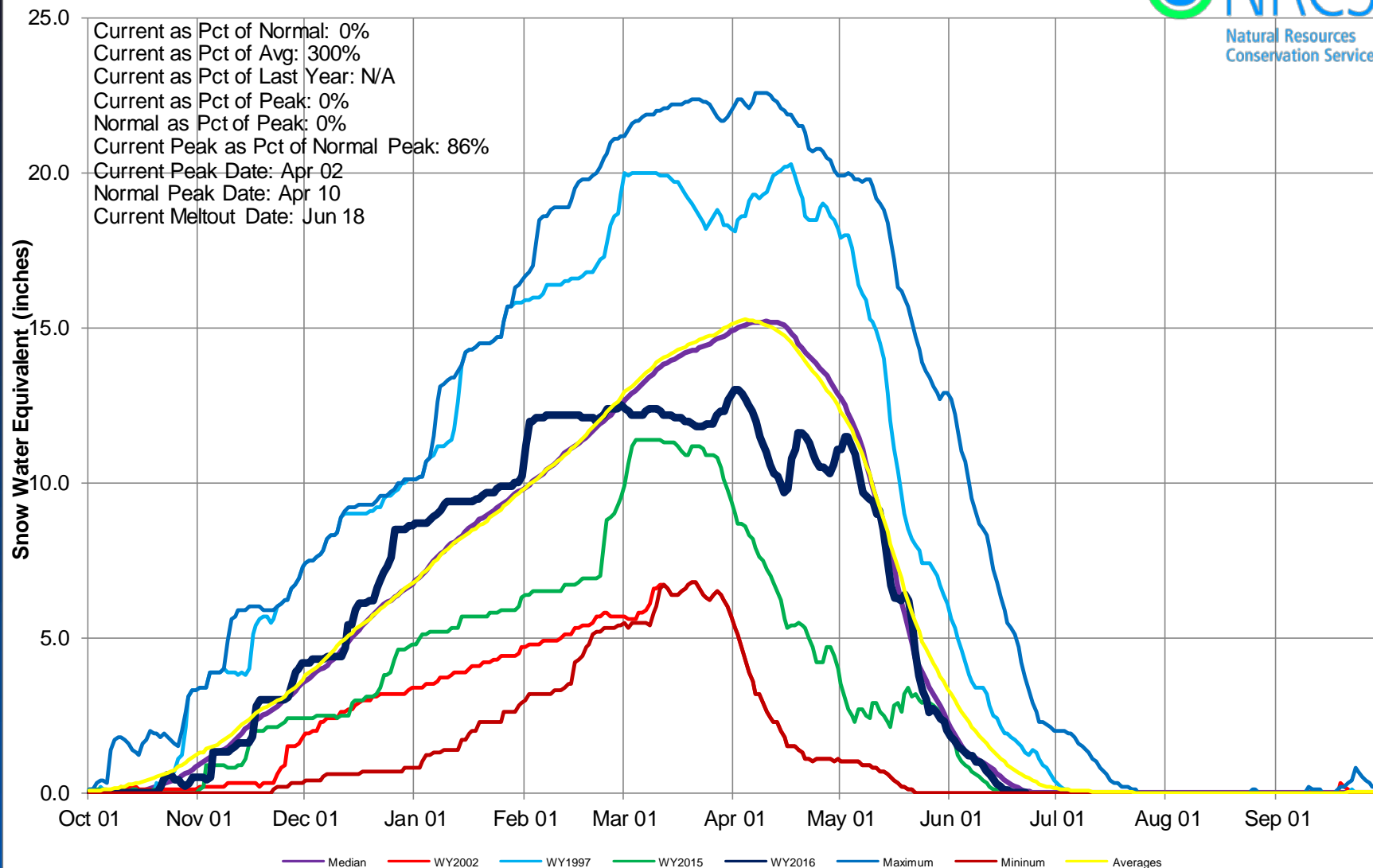
June 1, 2016





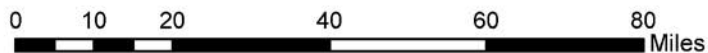
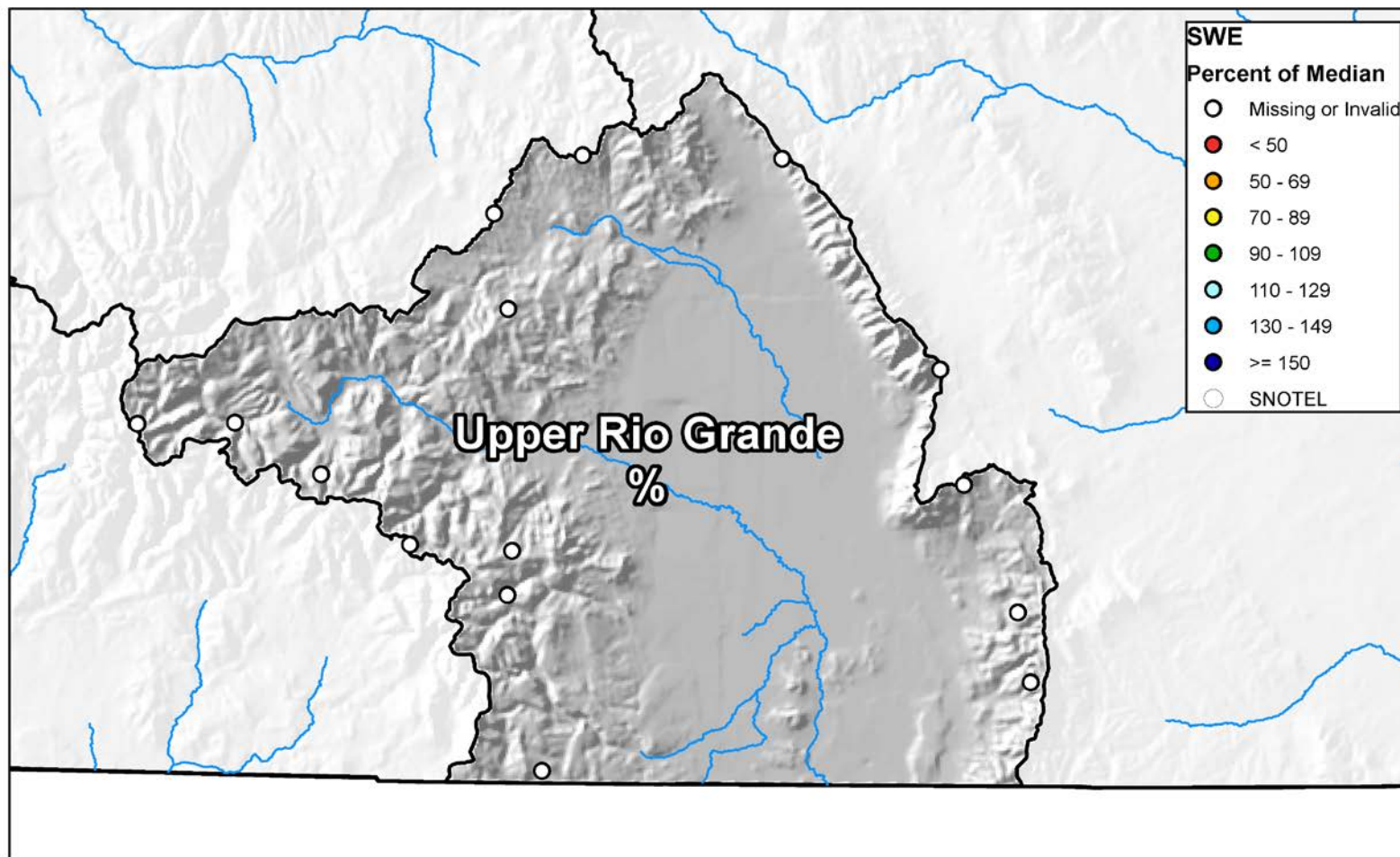
Upper Rio Grande Basin High/Low Snowpack Summary

Based on Provisional SNOTEL data as of Jun 22, 2016



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

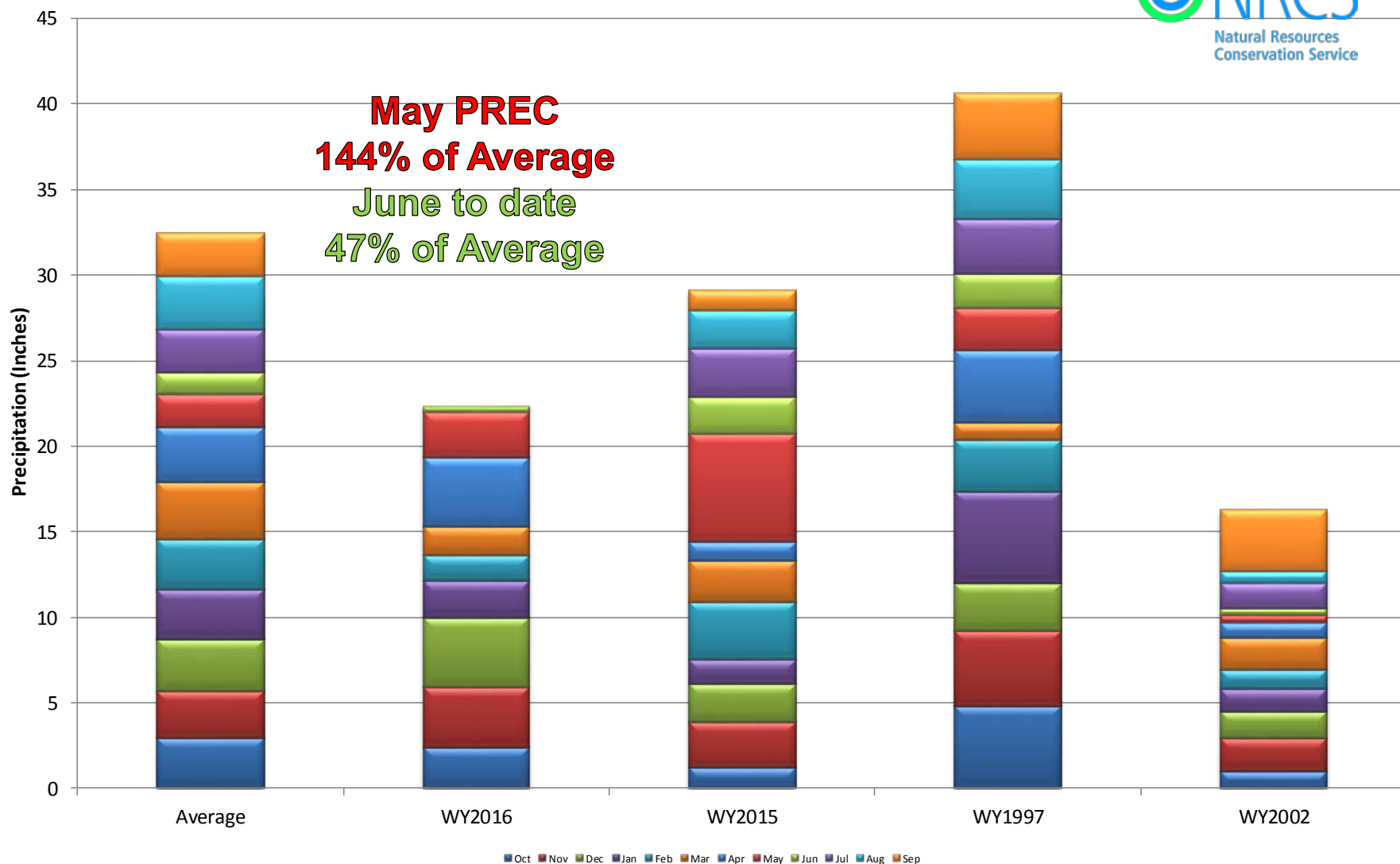
Current as of Jun 21, 2016





Upper Rio Grande Basin High/Low Monthly Precipitation Summary

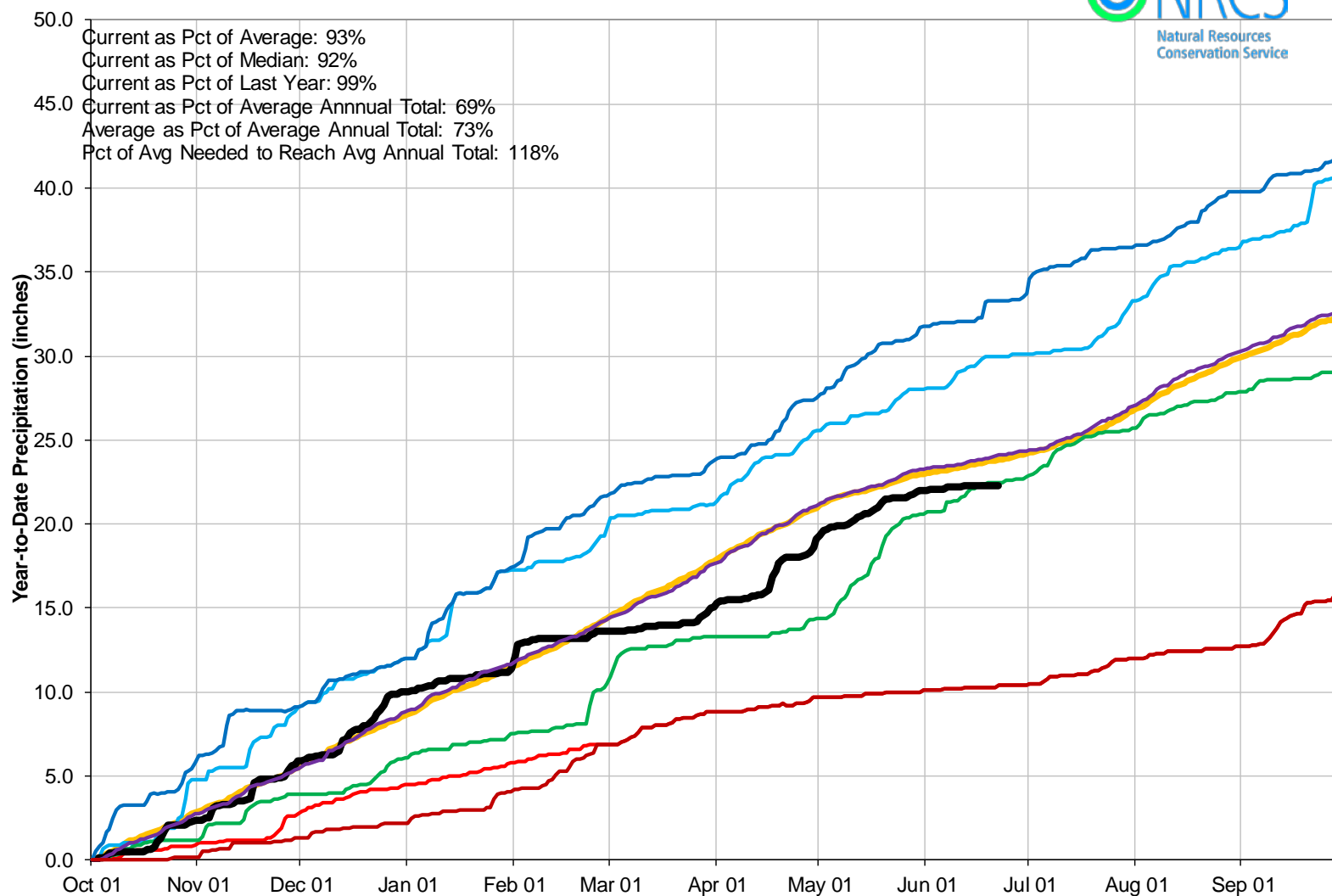
Based on Provisional SNOTEL data as of Jun 22, 2016



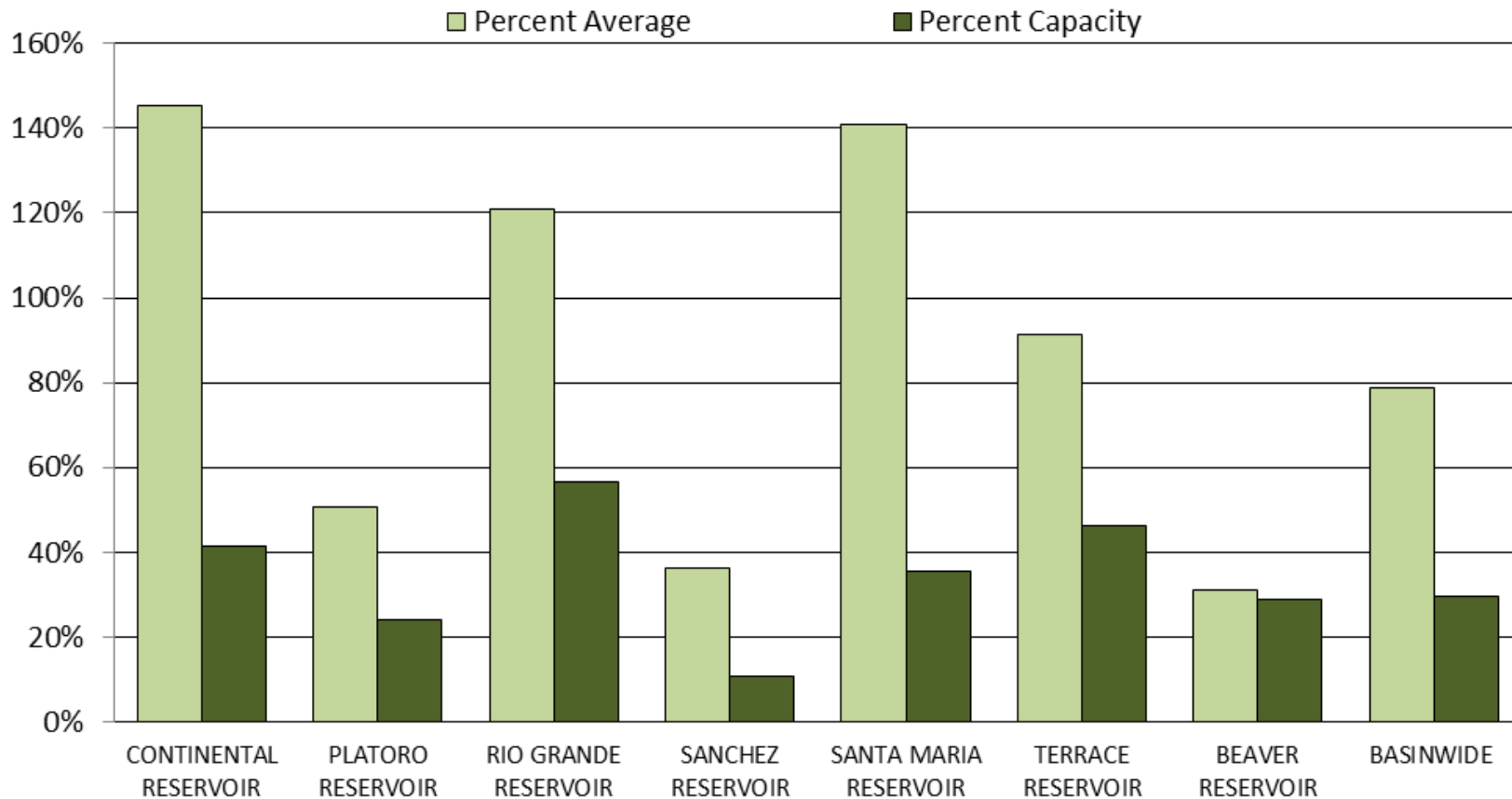


Upper Rio Grande Basin High/Low Year-to-Date Precipitation Summary

Based on Provisional SNOTEL data as of Jun 22, 2016

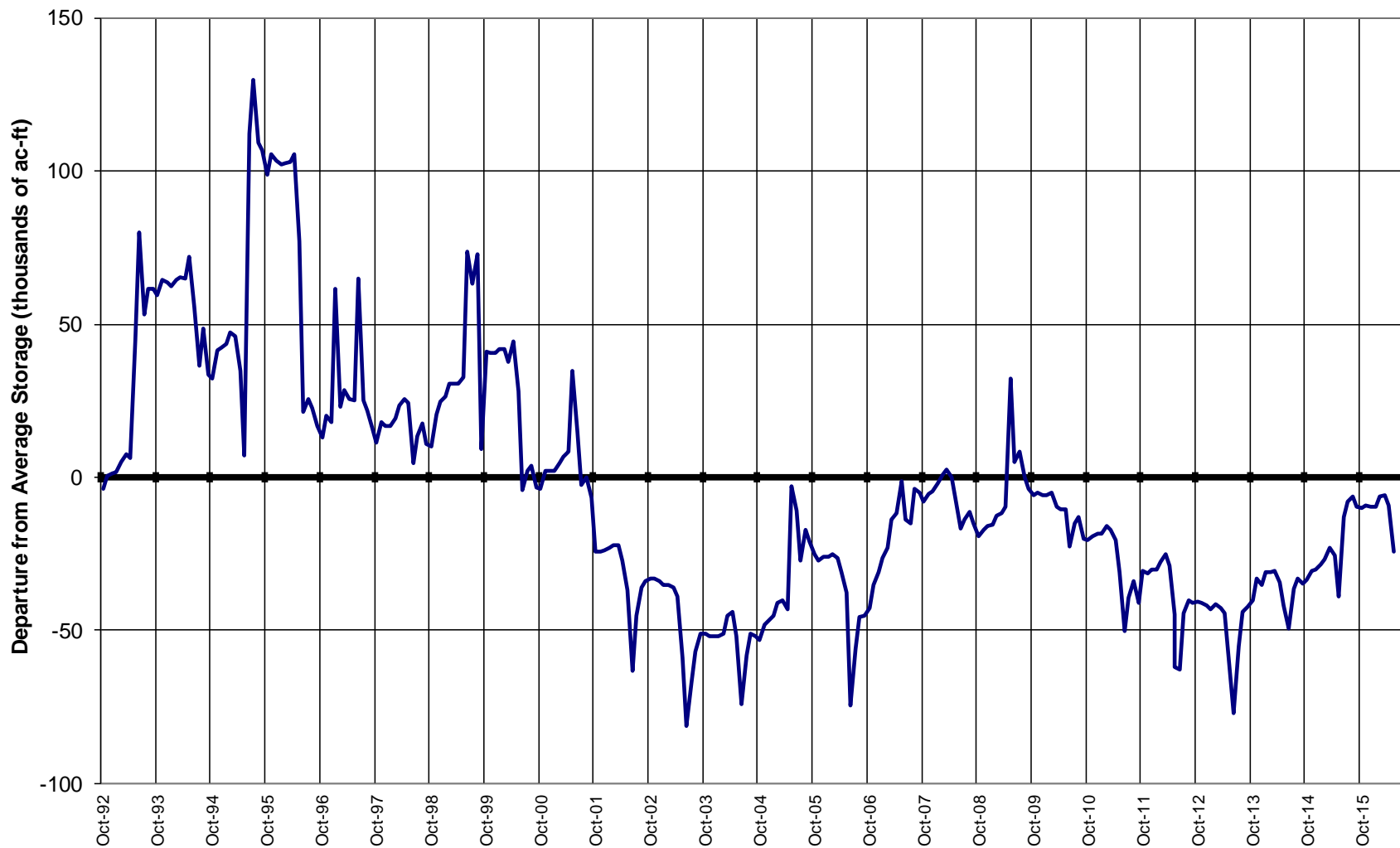


Reservoir Storage



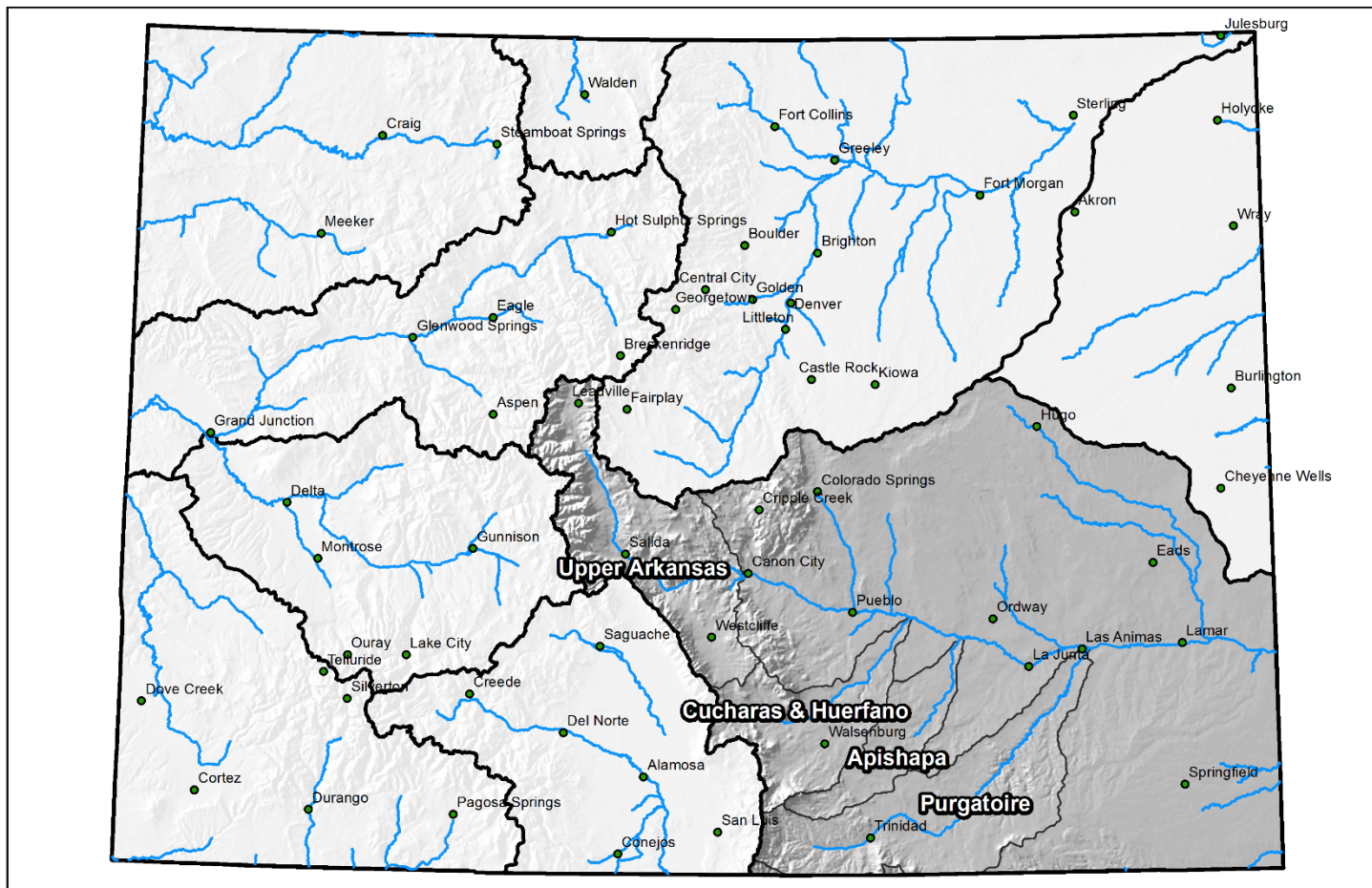


UPPER RIO GRANDE BASIN Reservoir Storage Departure from Average



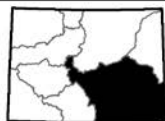
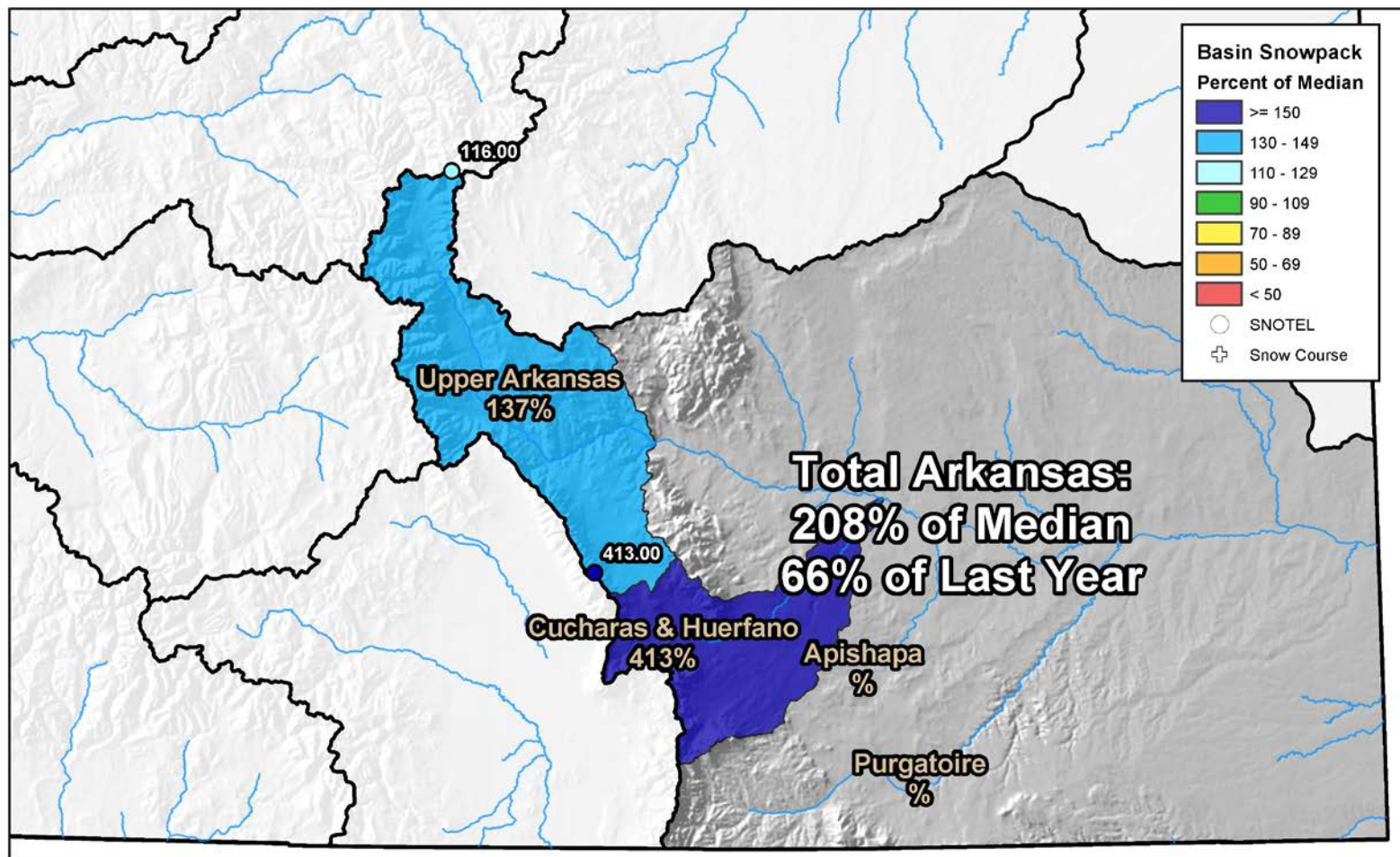
Major Basin Summary

Arkansas River Basin



0 25 50 100 150 200 Miles

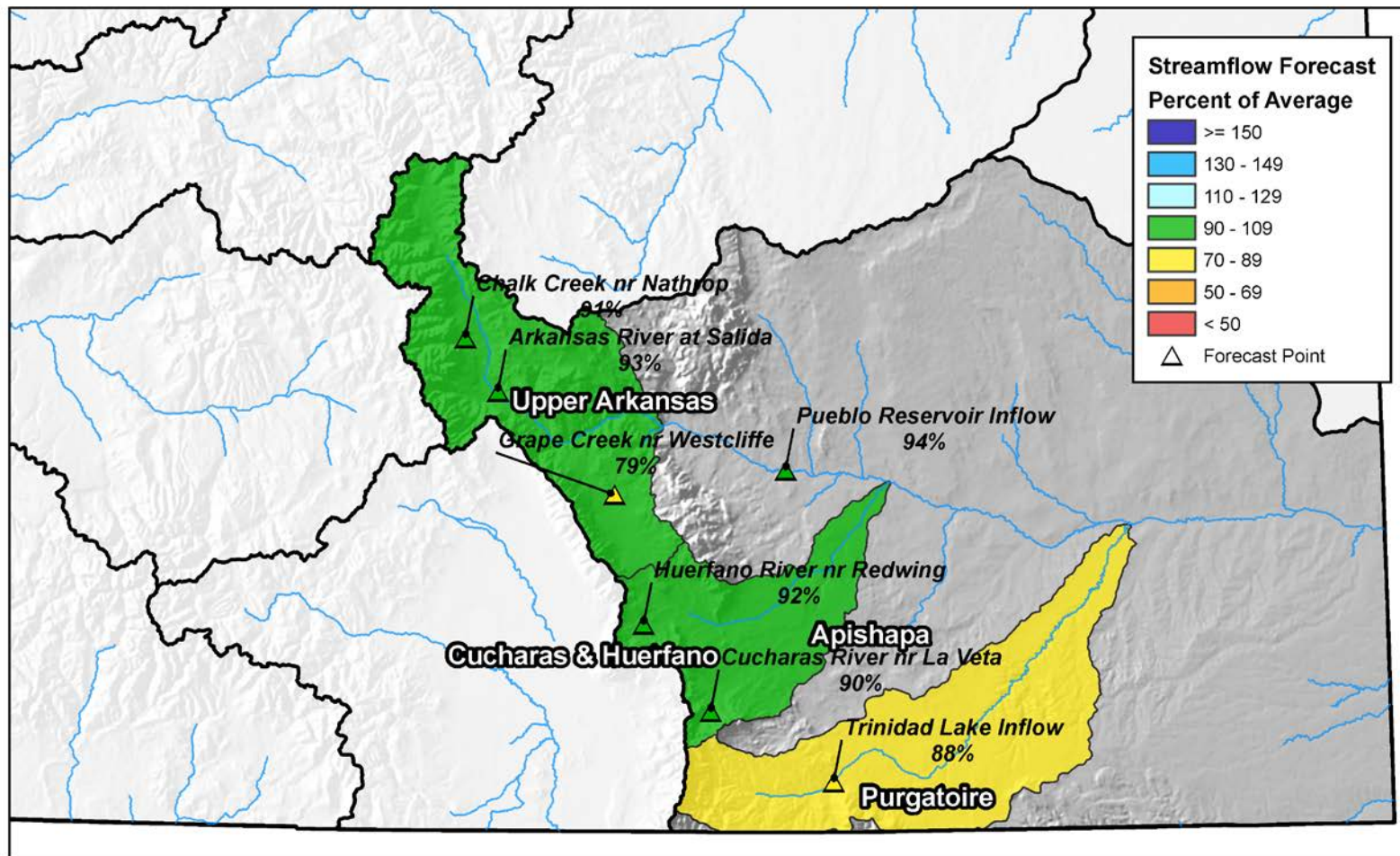
Arkansas River Basin Monthly Snowpack Summary June 1, 2016



0 10 20 40 60 80 Miles

Arkansas River Basin Streamflow Forecast Summary

June 1, 2016

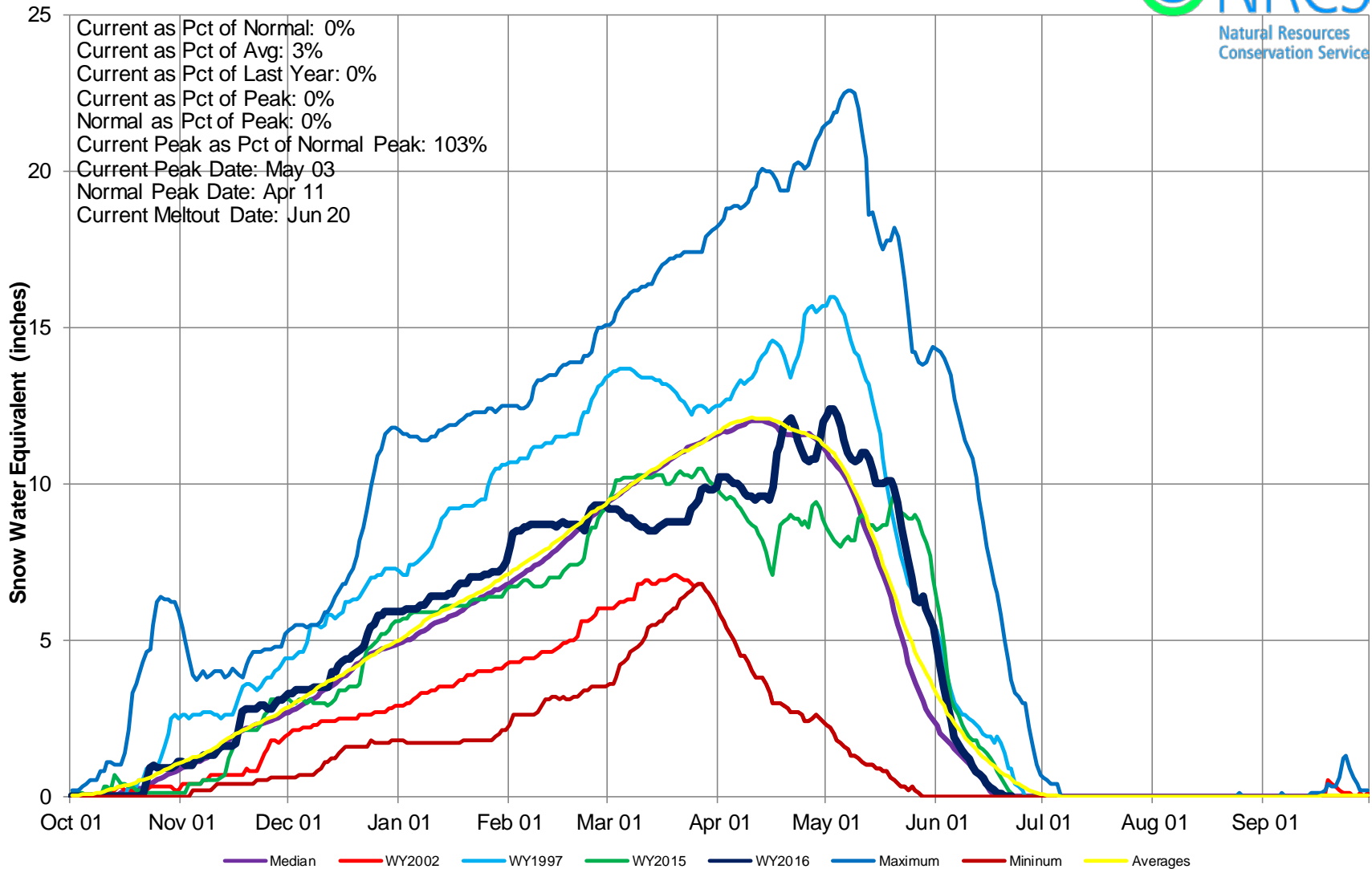


0 10 20 40 60 80 Miles



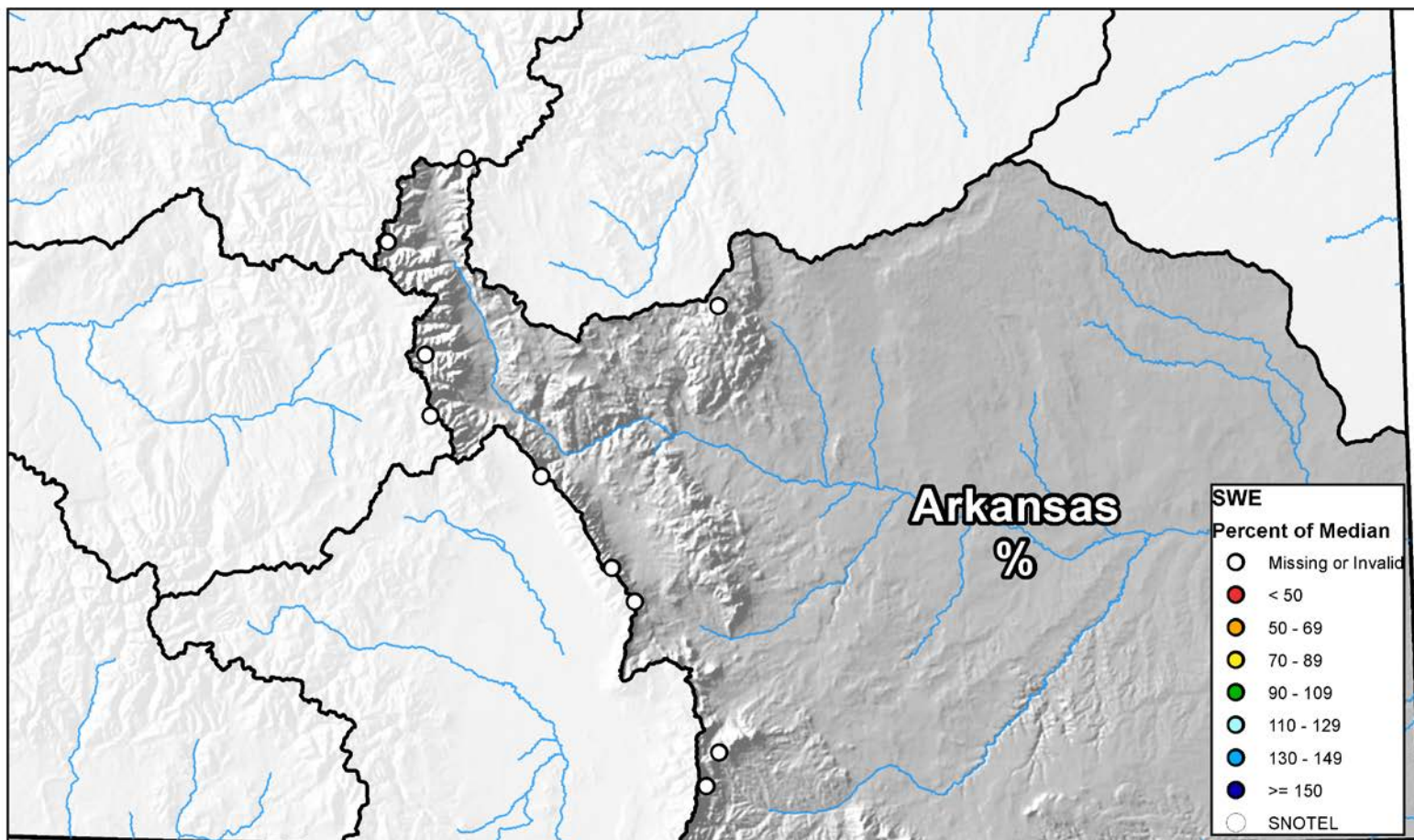
Arkansas River Basin High/Low Snowpack Summary

Based on Provisional SNOTEL data as of Jun 22, 2016



Arkansas River Basin Snow Water Equivalent (SWE) Summary

Current as of Jun 21, 2016

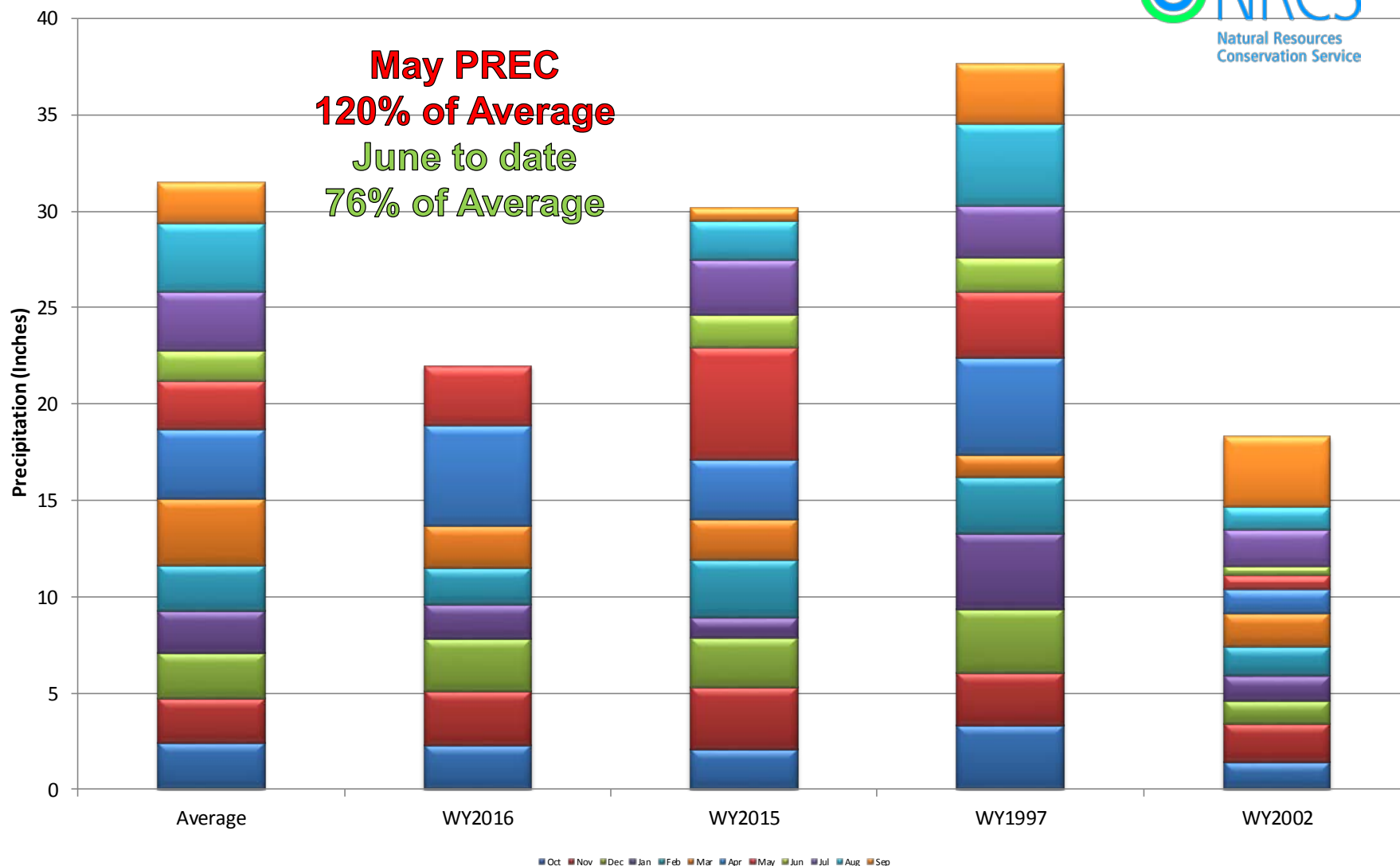


0 10 20 40 60 80 Miles



Arkansas River Basin High/Low Monthly Precipitation Summary

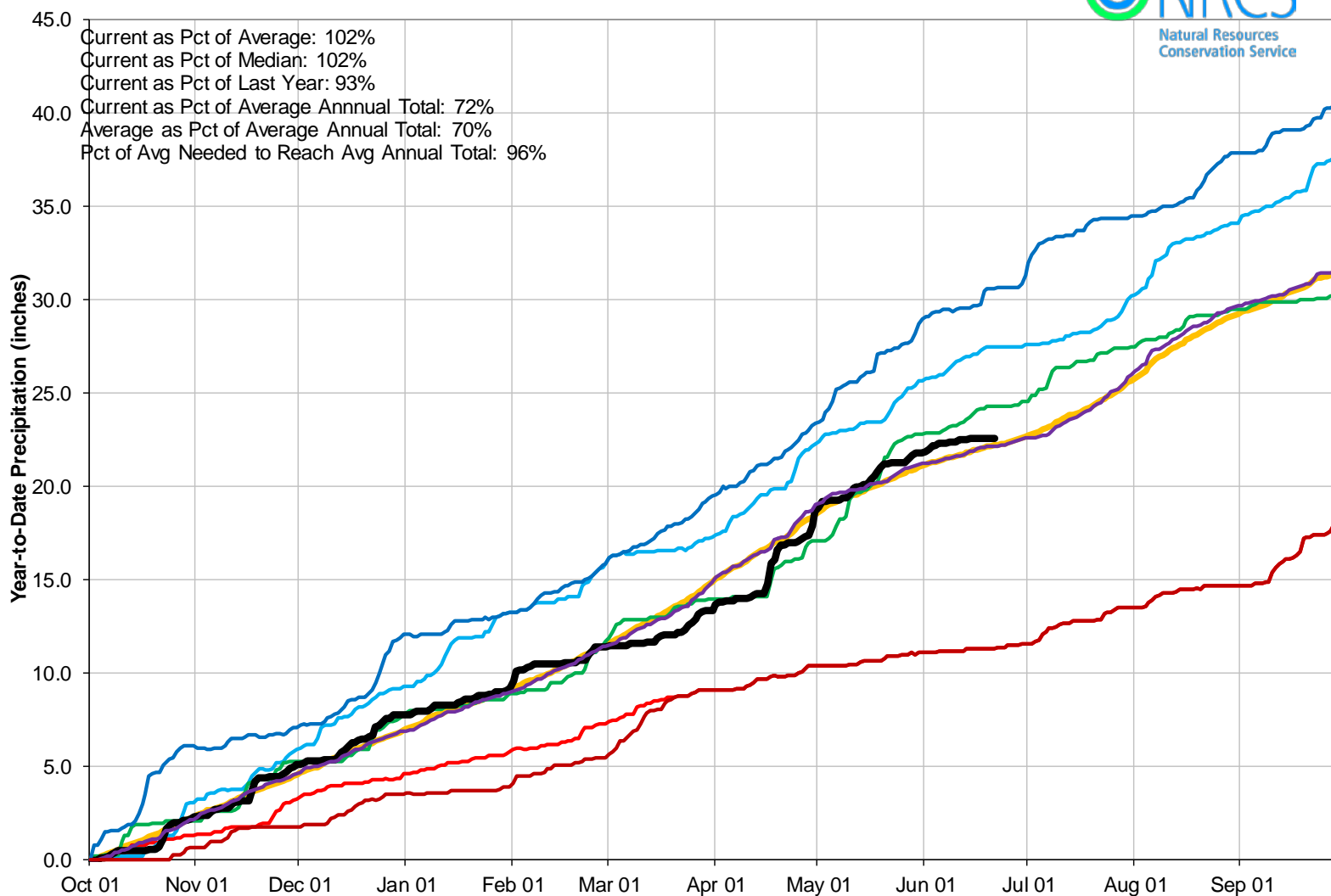
Based on Provisional SNOTEL data as of Jun 21, 2016





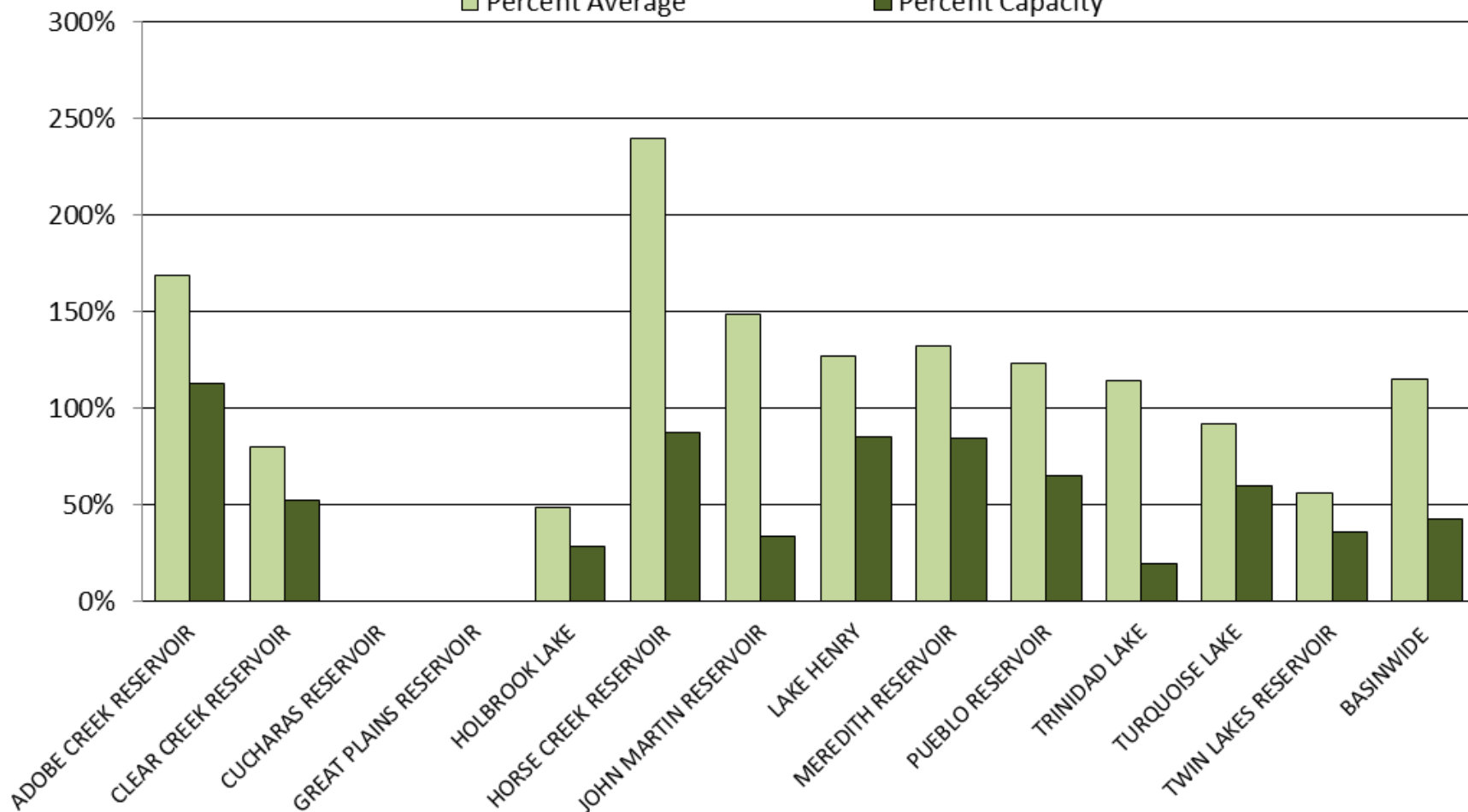
Arkansas River Basin High/Low Year-to-Date Precipitation Summary

Based on Provisional SNOTEL data as of Jun 21, 2016



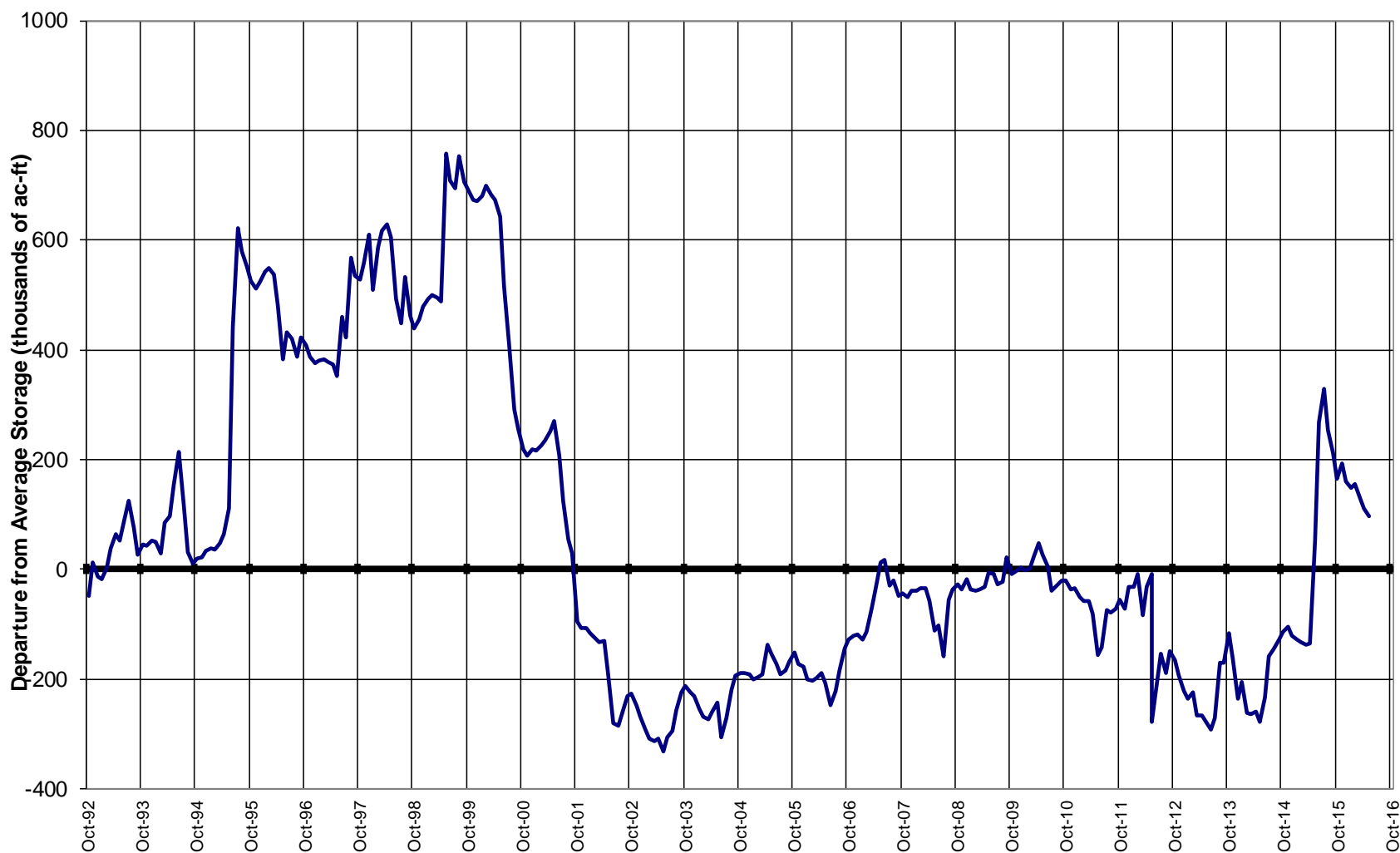
Reservoir Storage

■ Percent Average ■ Percent Capacity



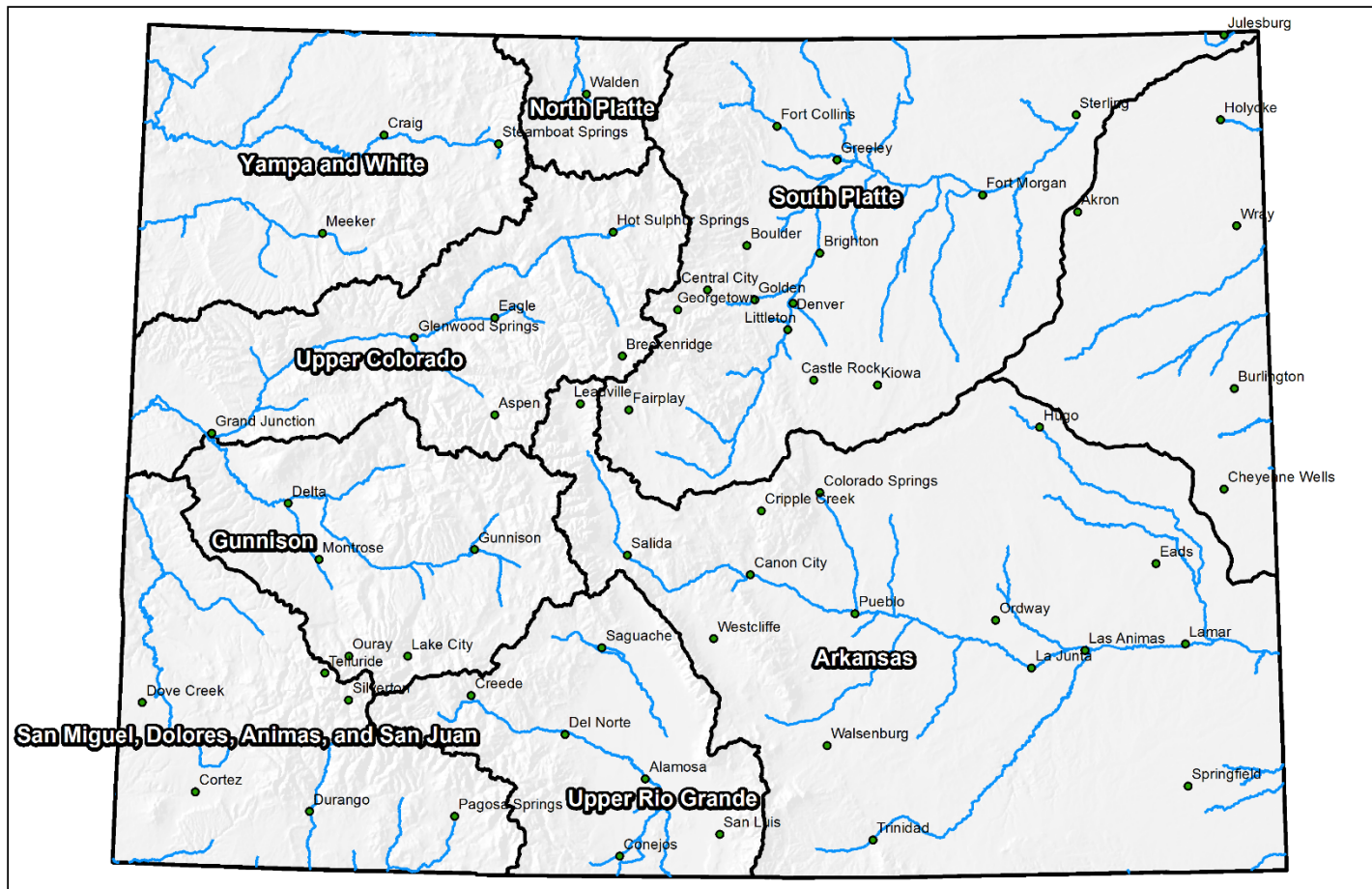


ARKANSAS RIVER BASIN Reservoir Storage Departure from Average



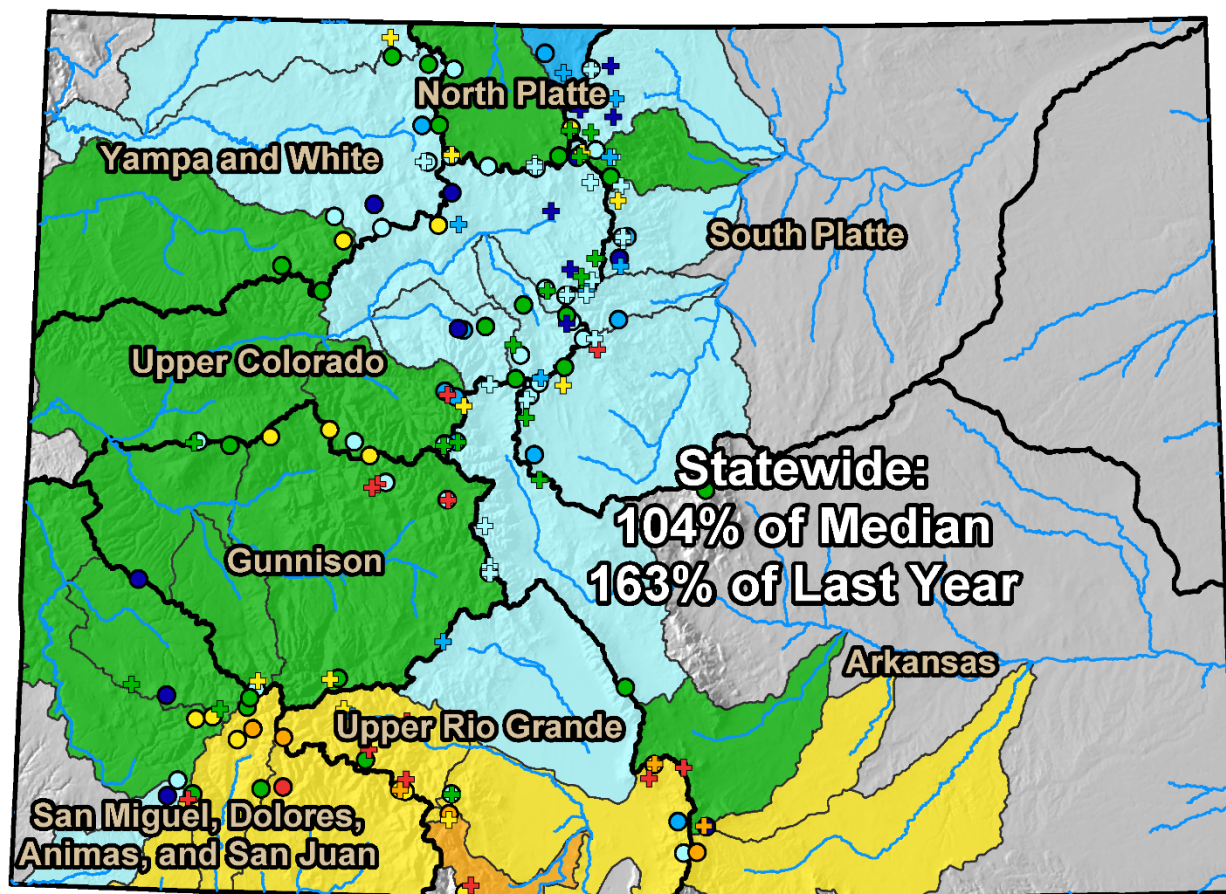
Colorado Statewide Summary

Colorado Major Basins



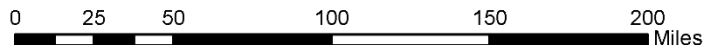
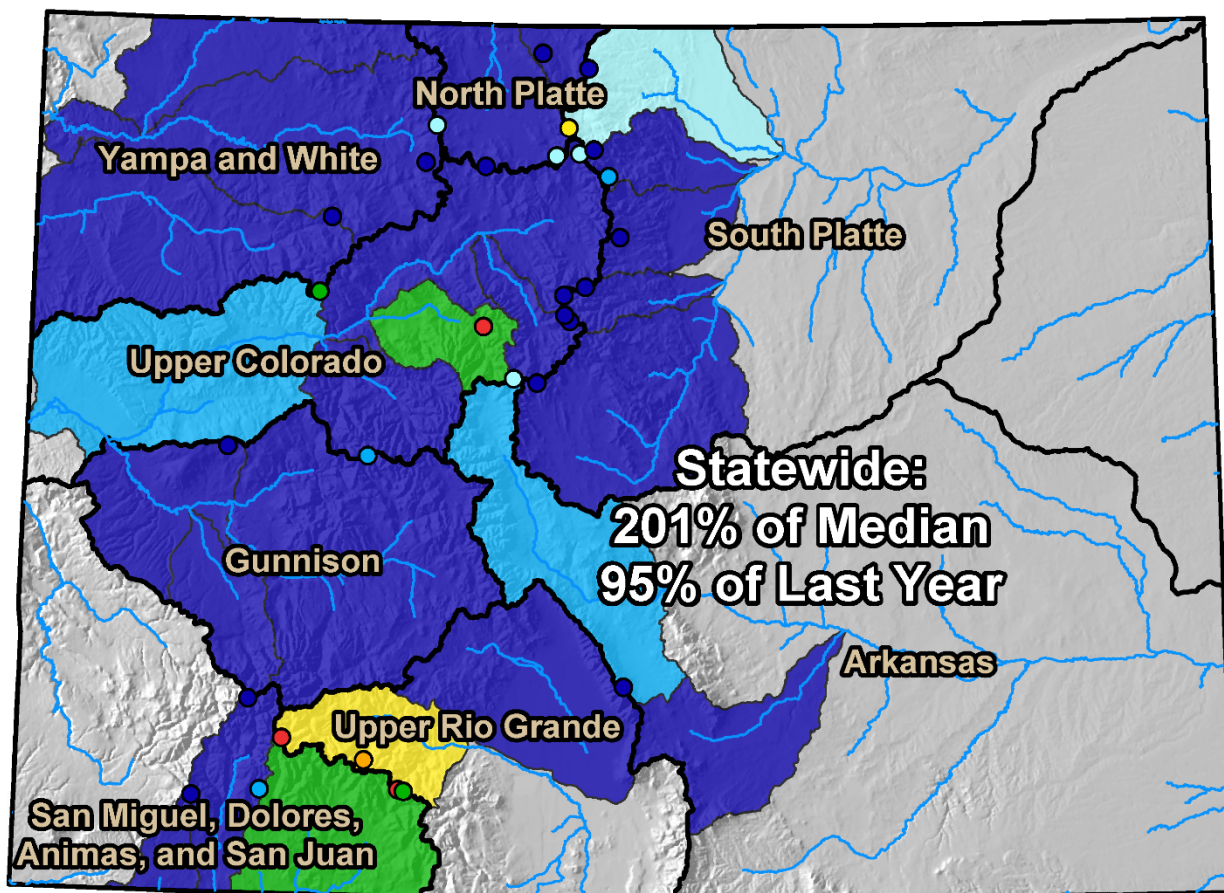
0 25 50 100 150 200 Miles

Colorado Monthly Snowpack Summary May 1, 2016

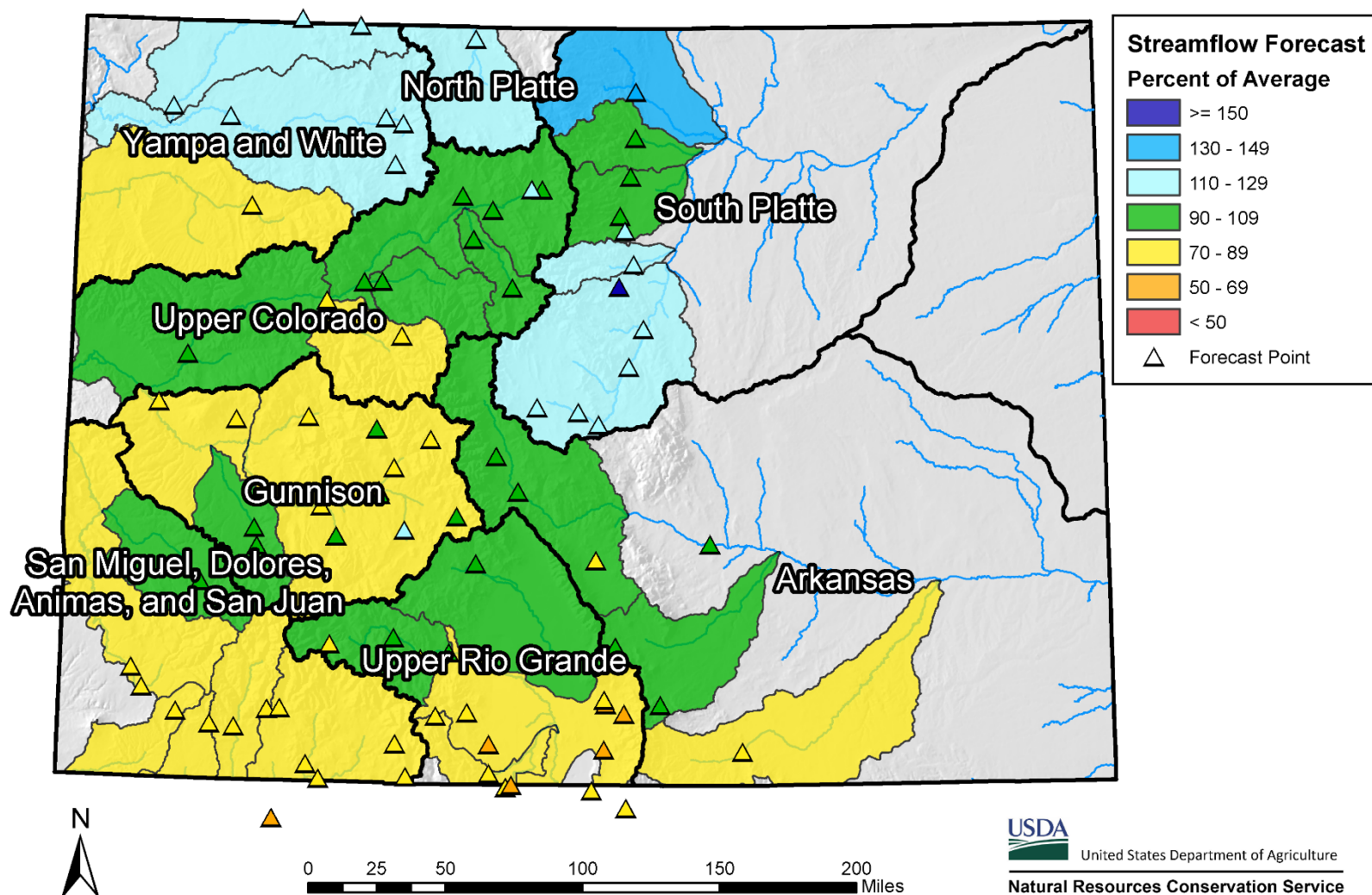


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Colorado Monthly Snowpack Summary June 1, 2016

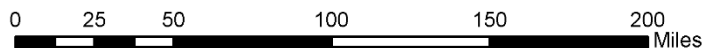
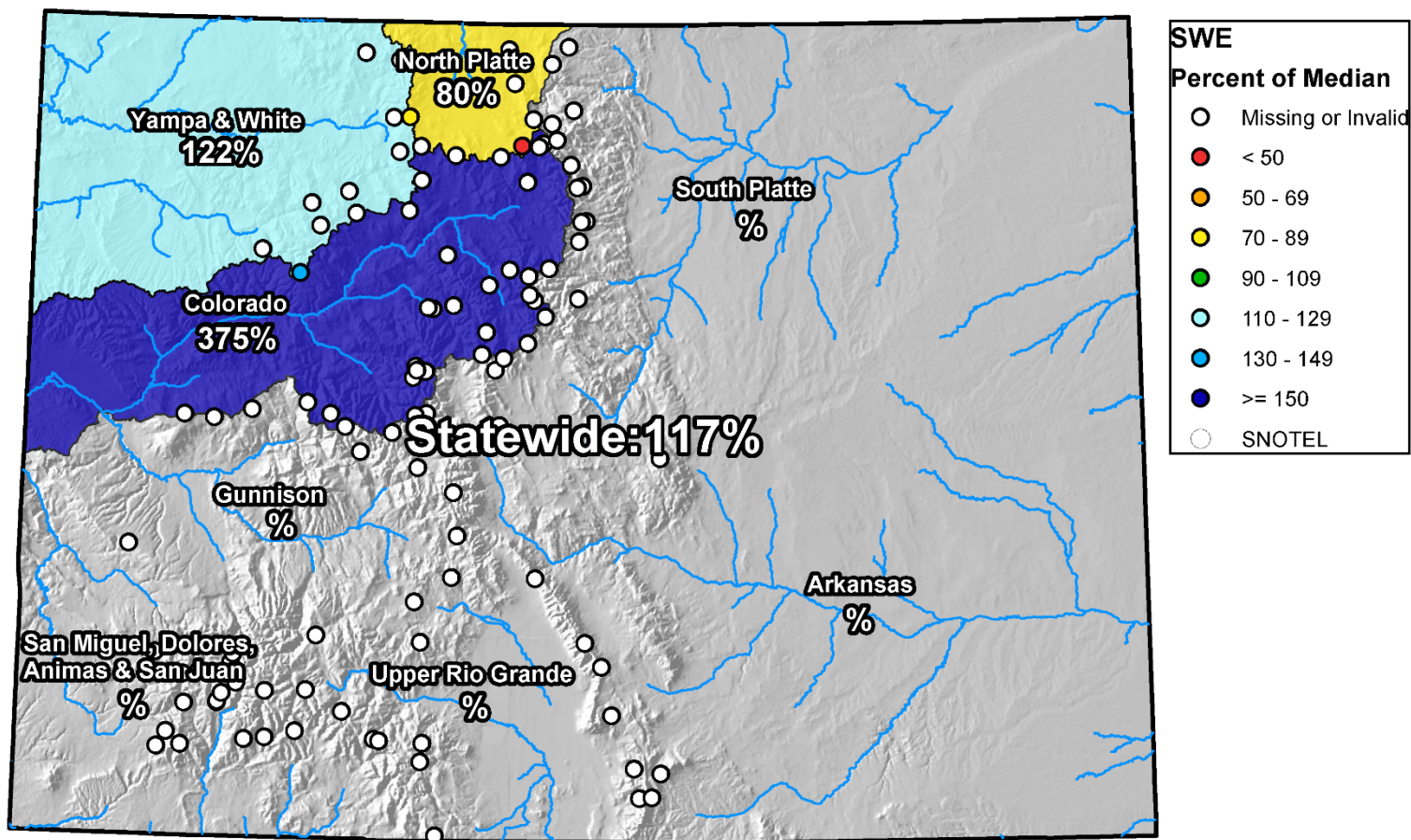


Colorado Streamflow Forecasts Summary June 1, 2016



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

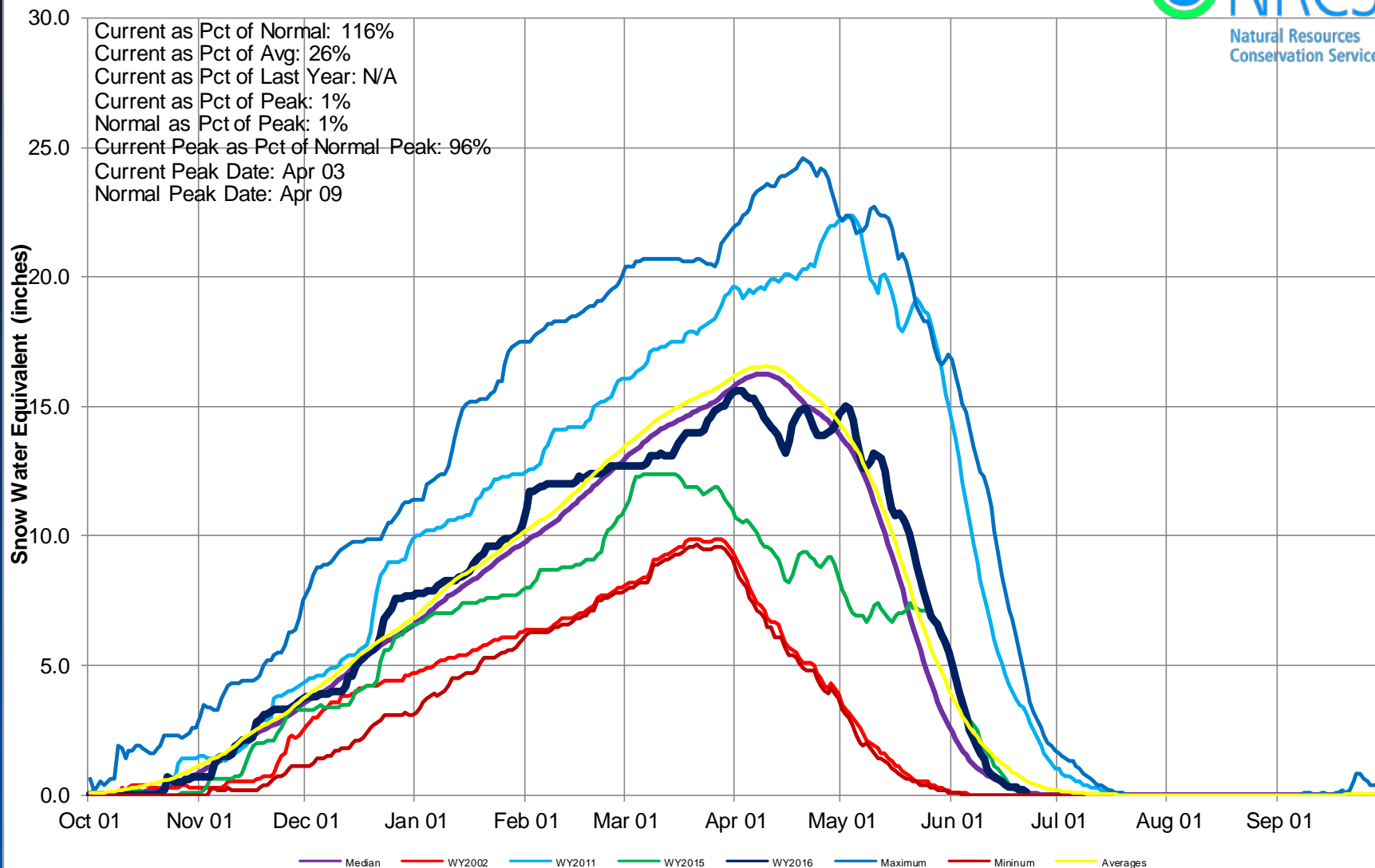
Current as of Jun 21, 2016





Colorado Statewide High/Low Snowpack Summary

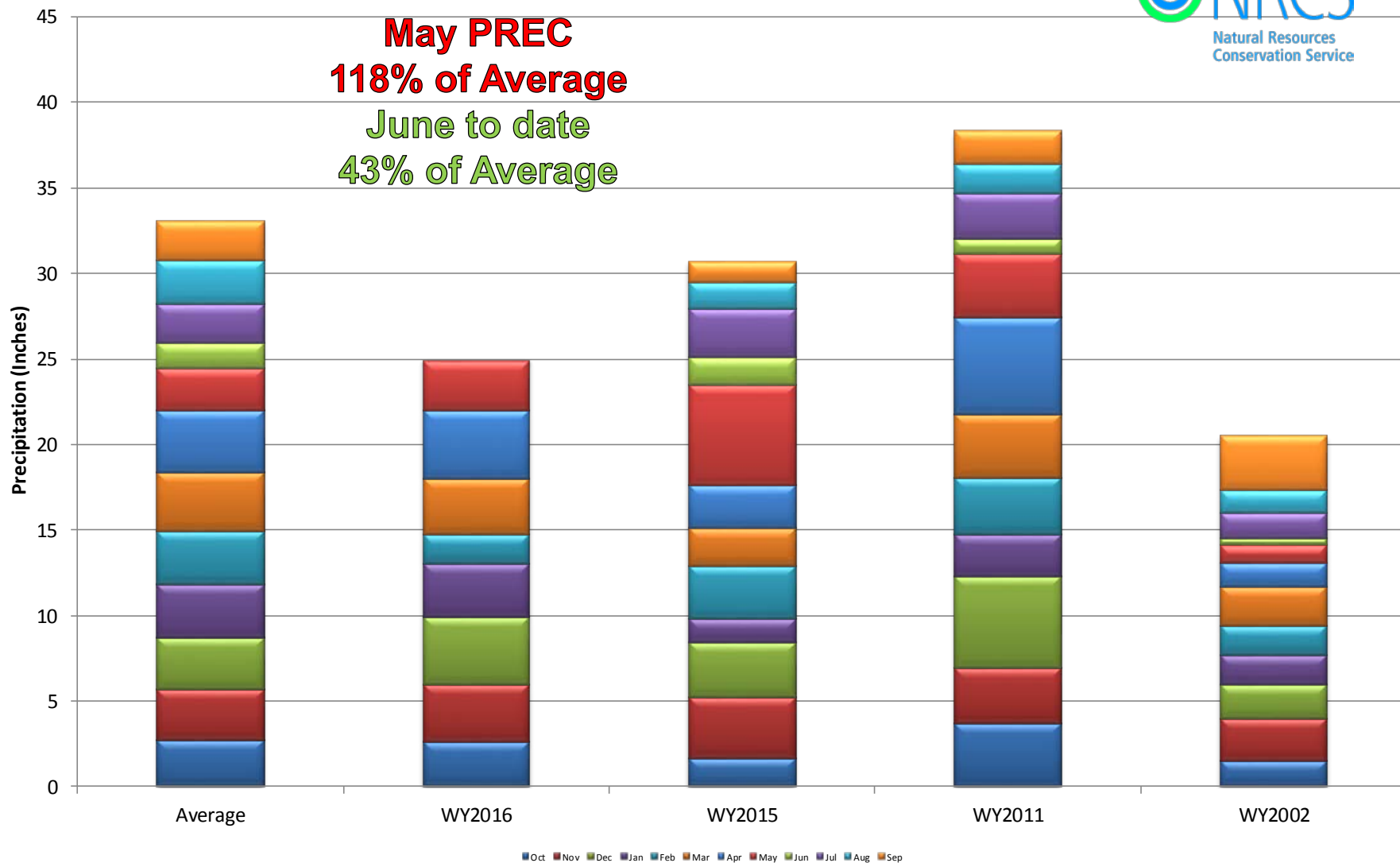
Based on Provisional SNOTEL data as of Jun 22, 2016





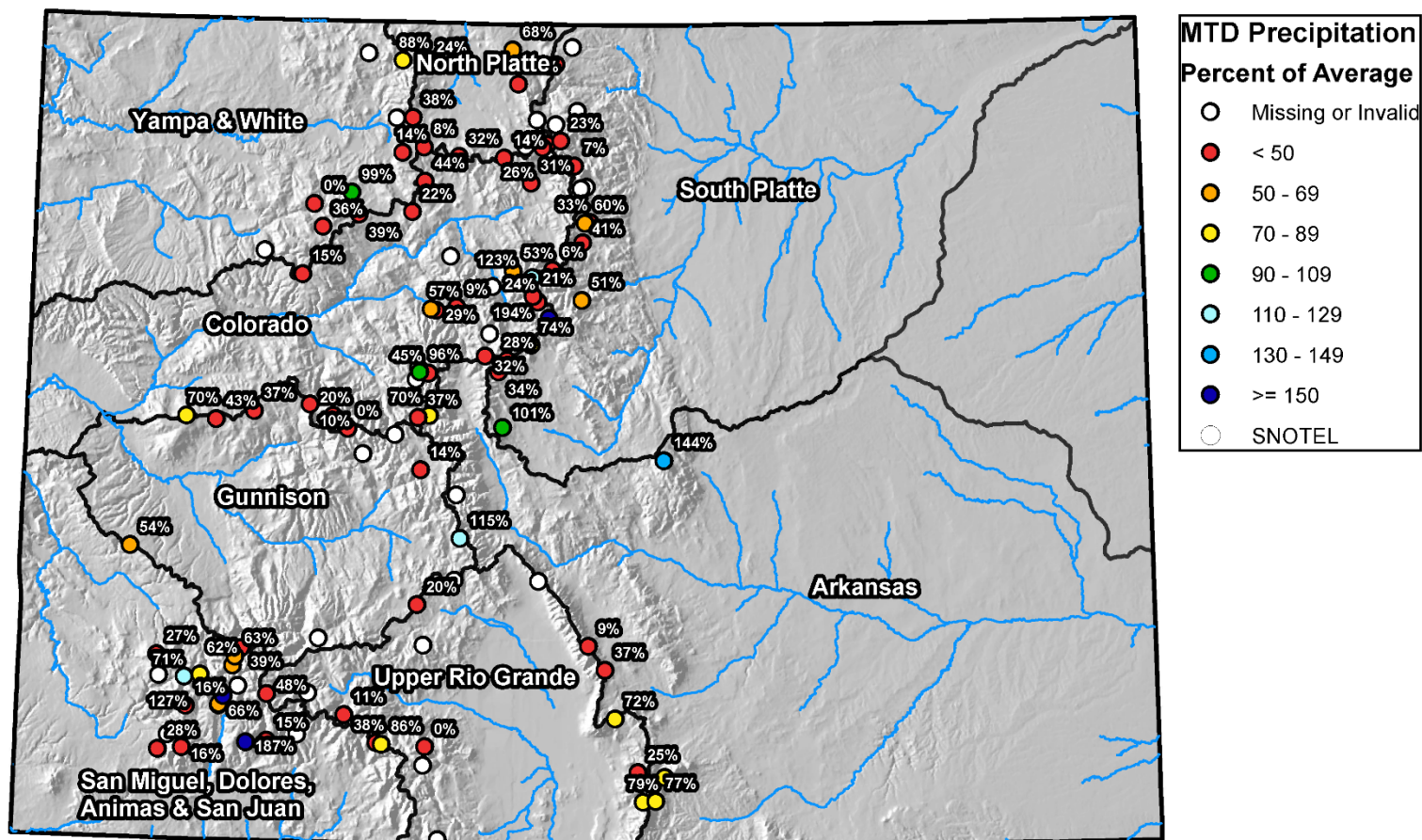
Colorado Statewide High/Low Monthly Precipitation Summary

Based on Provisional SNOTEL data as of Jun 16, 2016



Colorado SNOTEL Month-to-Date Precipitation

Current as of Jun 21, 2016

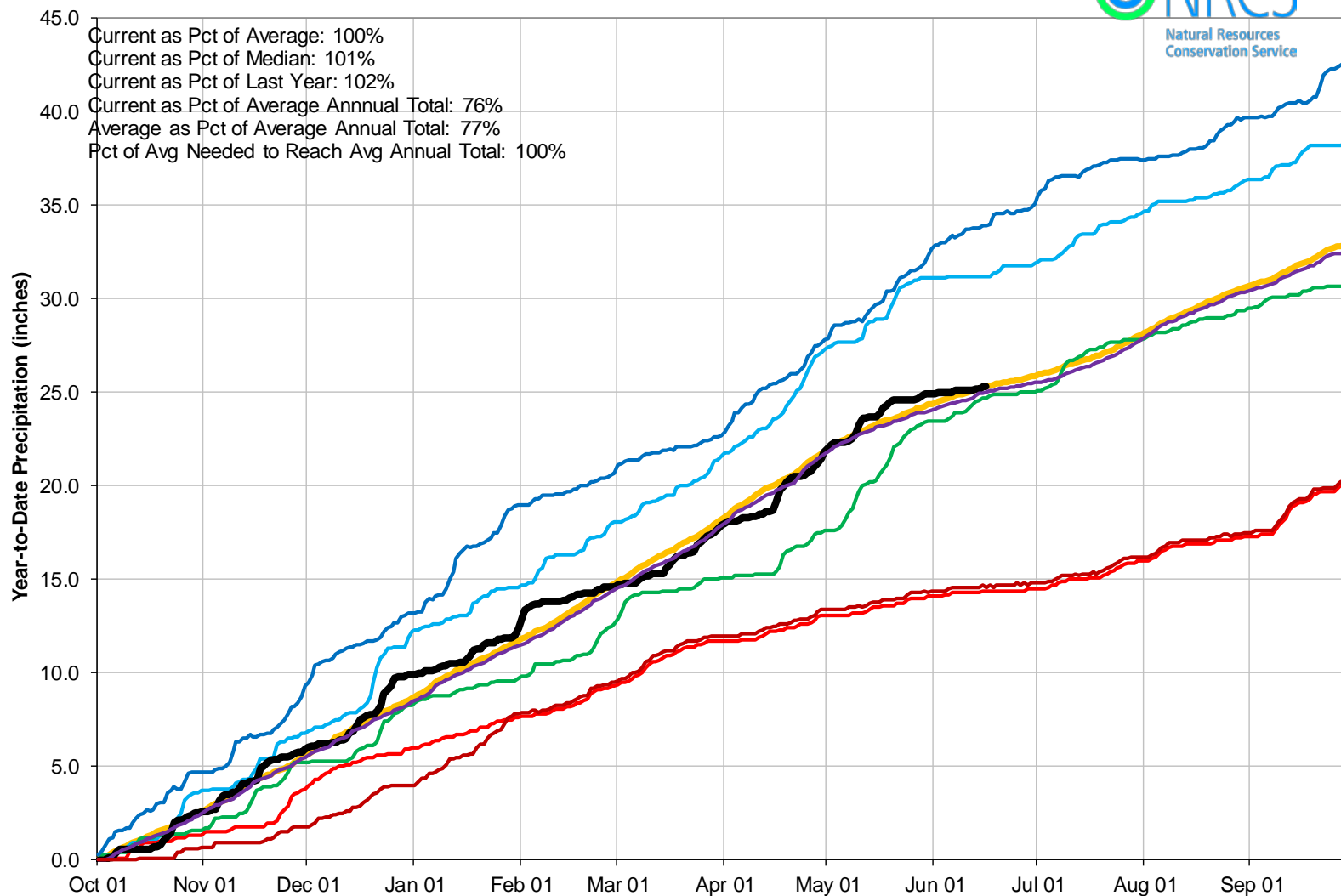


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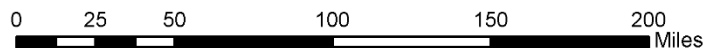
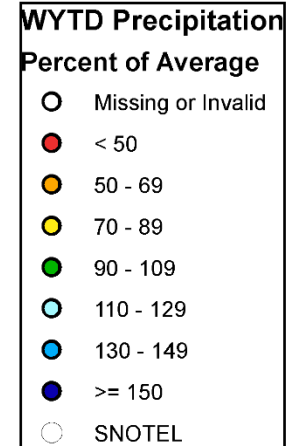
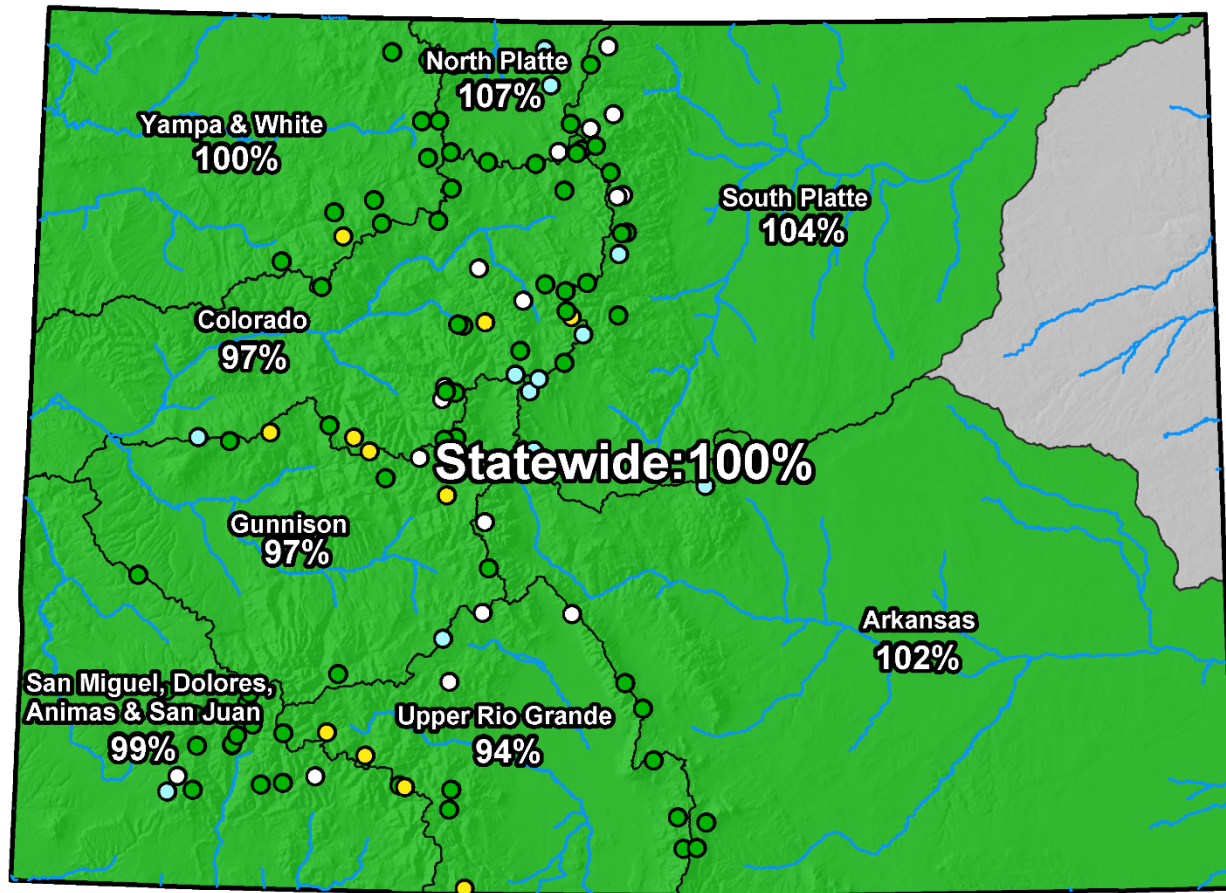
Colorado Statewide High/Low Year-to-Date Precipitation Summary

Based on Provisional SNOTEL data as of Jun 16, 2016



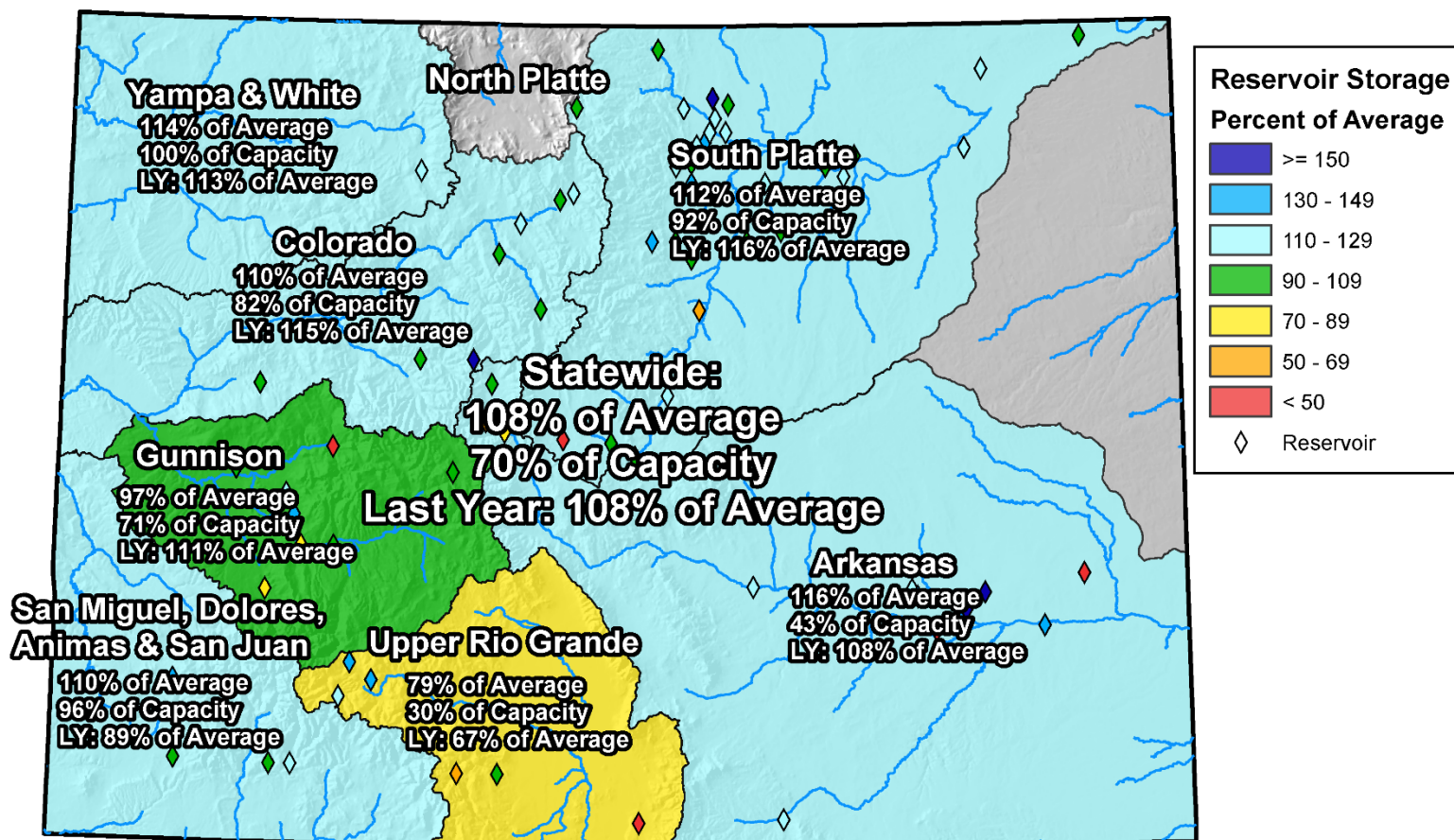
Colorado SNOTEL Water Year to Date Precipitation

Current as of Jun 21, 2016



Colorado Monthly Reservoir Storage Summary

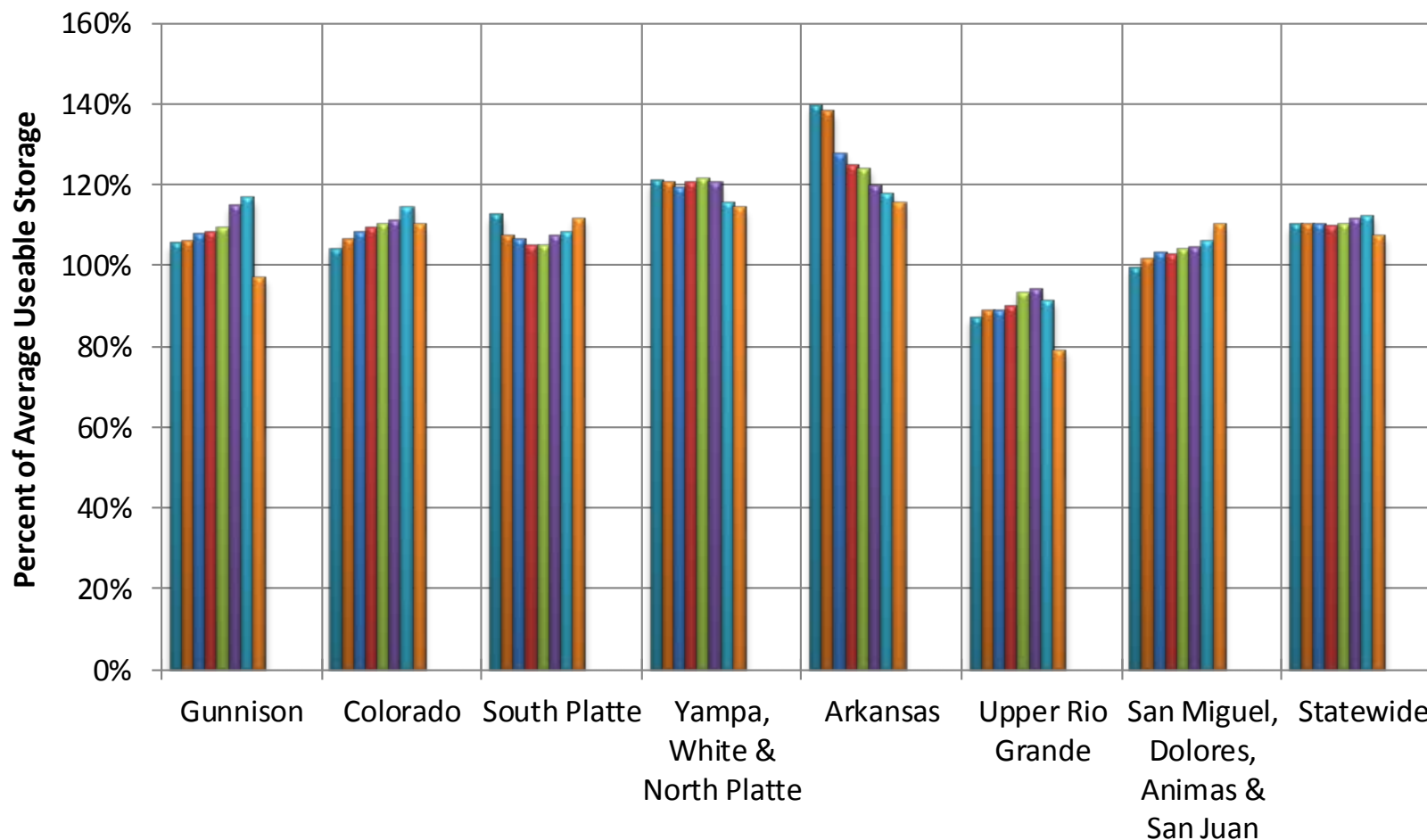
End of May 2016



0 25 50 100 150 200 Miles

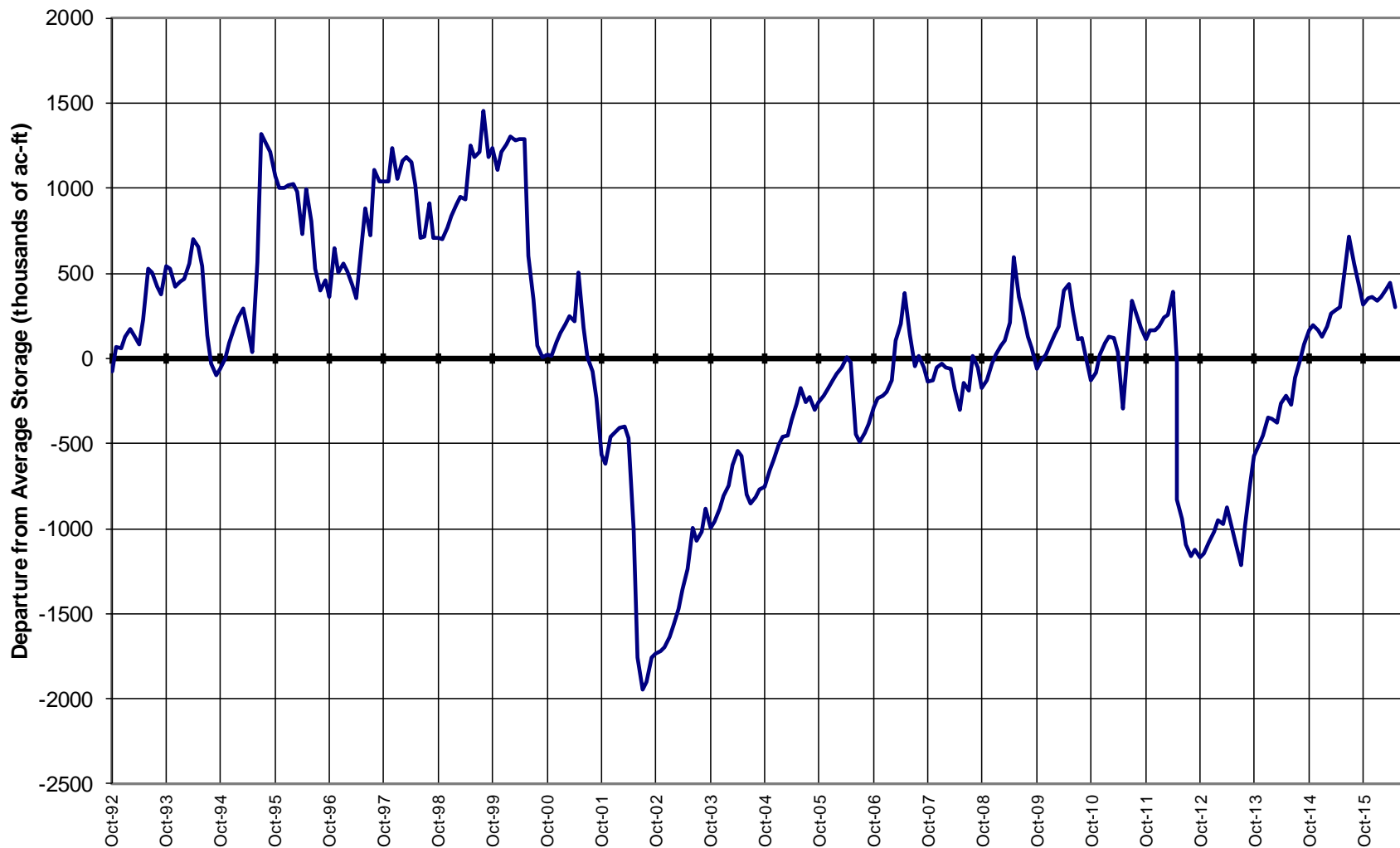
Colorado Reservoir Storage

■ 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

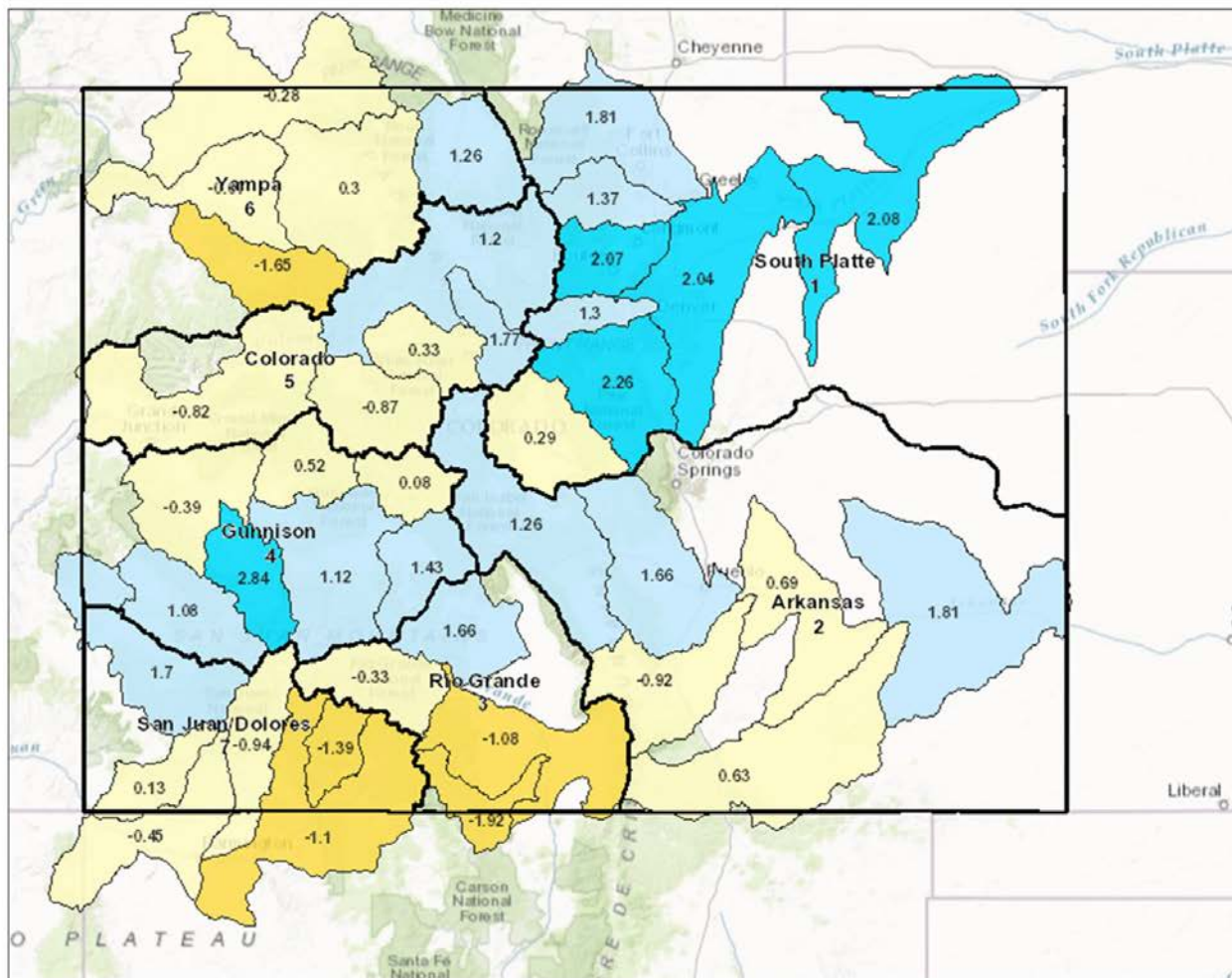




CDSS

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.

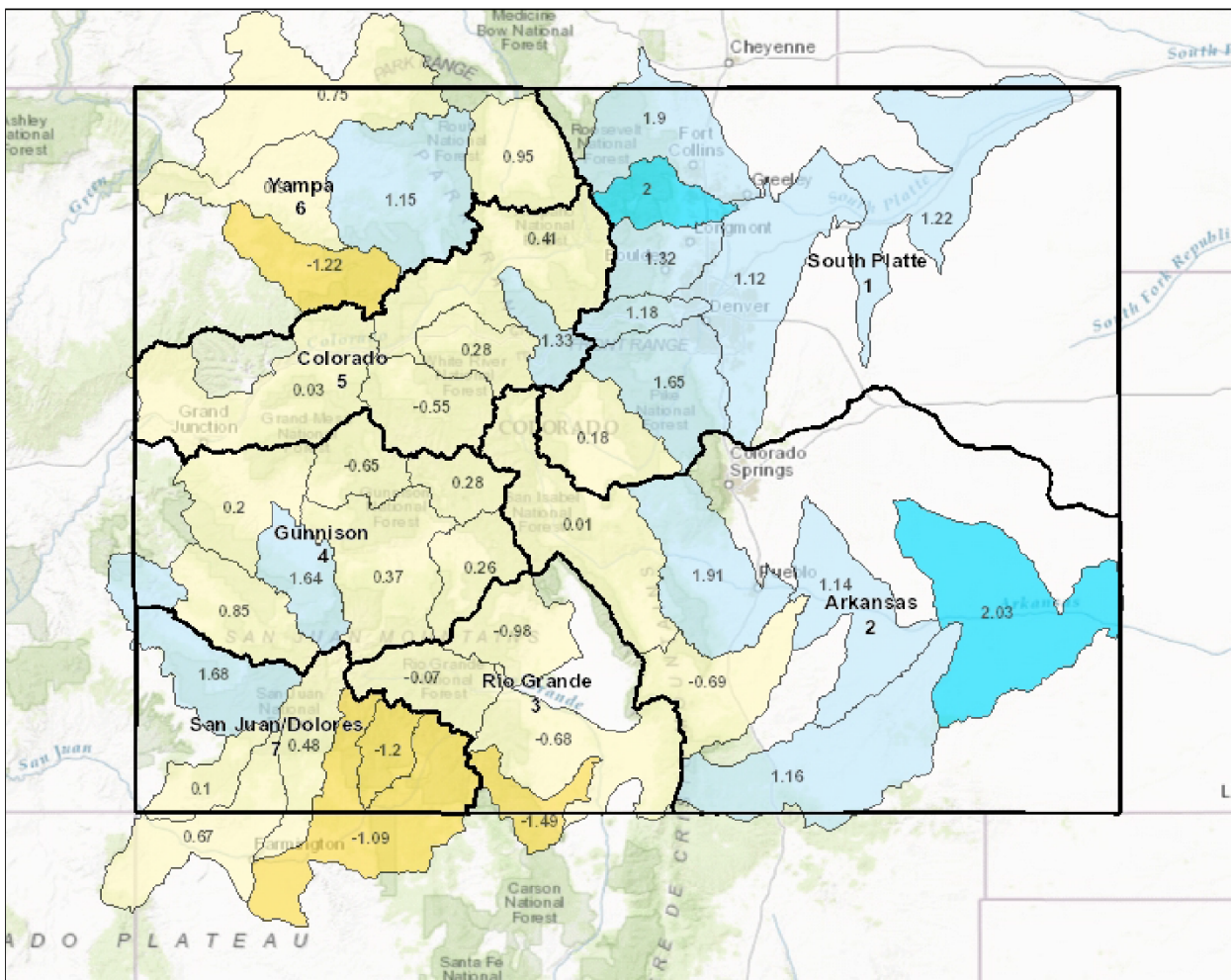
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CDSS

Colorado's Decision Support Systems

Map Viewer

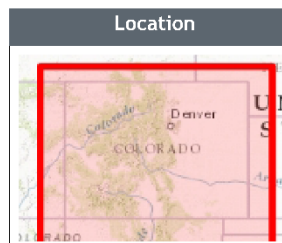


Legend

☐ Division
SWSI - Current (June 2016)

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Citations



Notes

113.39 0 56.7 113.39 Miles



1: 3,592,220



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Date Prepared: 6/22/2016 11:37:41 AM

Summary

- Almost all SNOTEL stations in the state are now melted out
- May precipitation was well above average statewide but June to date has been well below average
- Statewide we have remained at near normal WY precip
- May precipitation helped to increase streamflow forecasts in many parts of the state
- Reservoirs statewide remain in relatively good standing at 108% of normal, slightly lower than last month
- SWSIs are generally near normal across the state



United States Department of Agriculture

Colorado Snow Surveys

Water Availability Task Force Meeting

June 22nd, 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/>