



United States Department of Agriculture

Colorado Snow Surveys

Water Availability Task Force Meeting

February 17th, 2016

NRCS Snow Survey and Water Supply Forecasting Program

Karl Wetlaufer

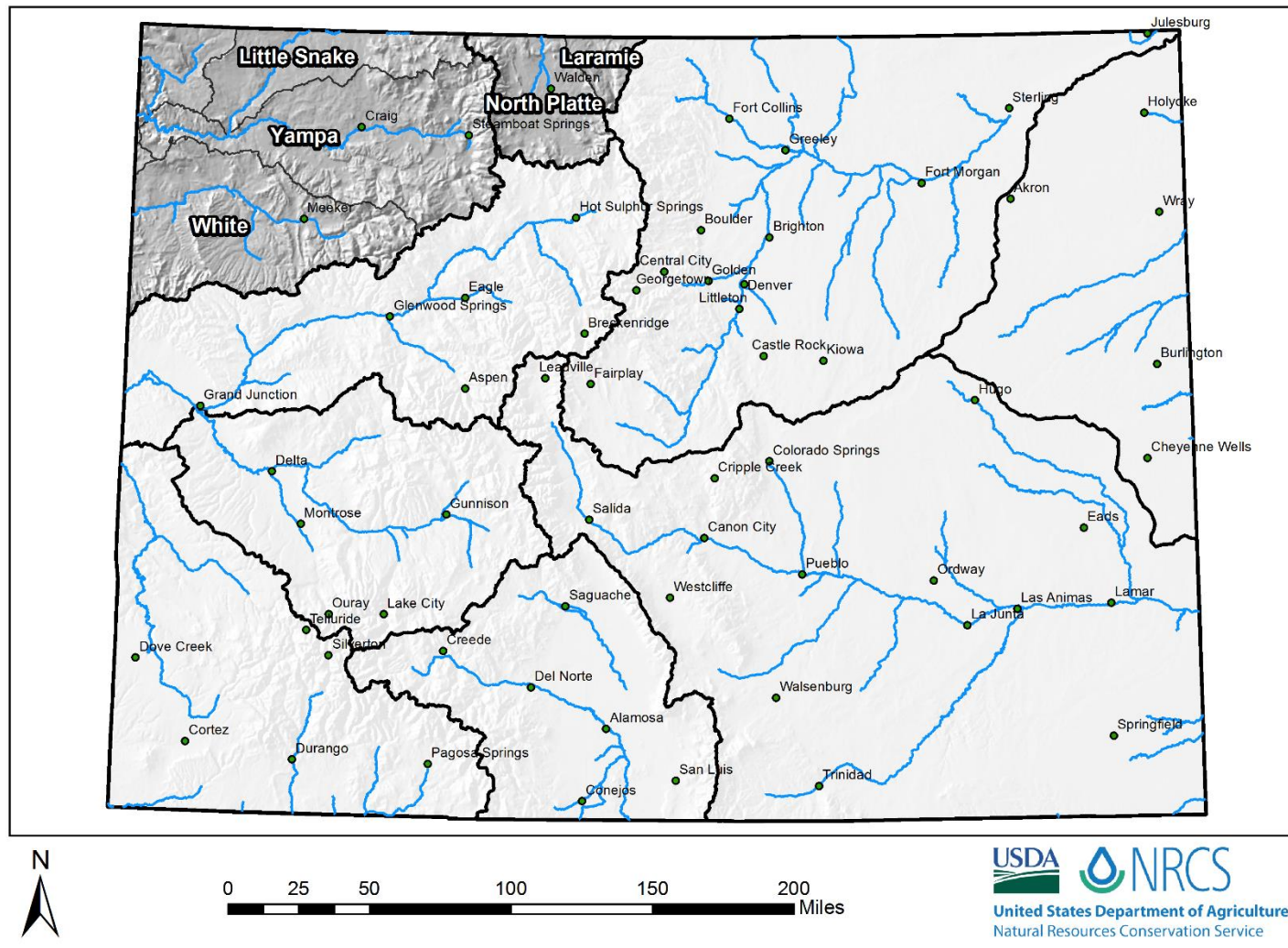
Hydrologist

720-544-2853

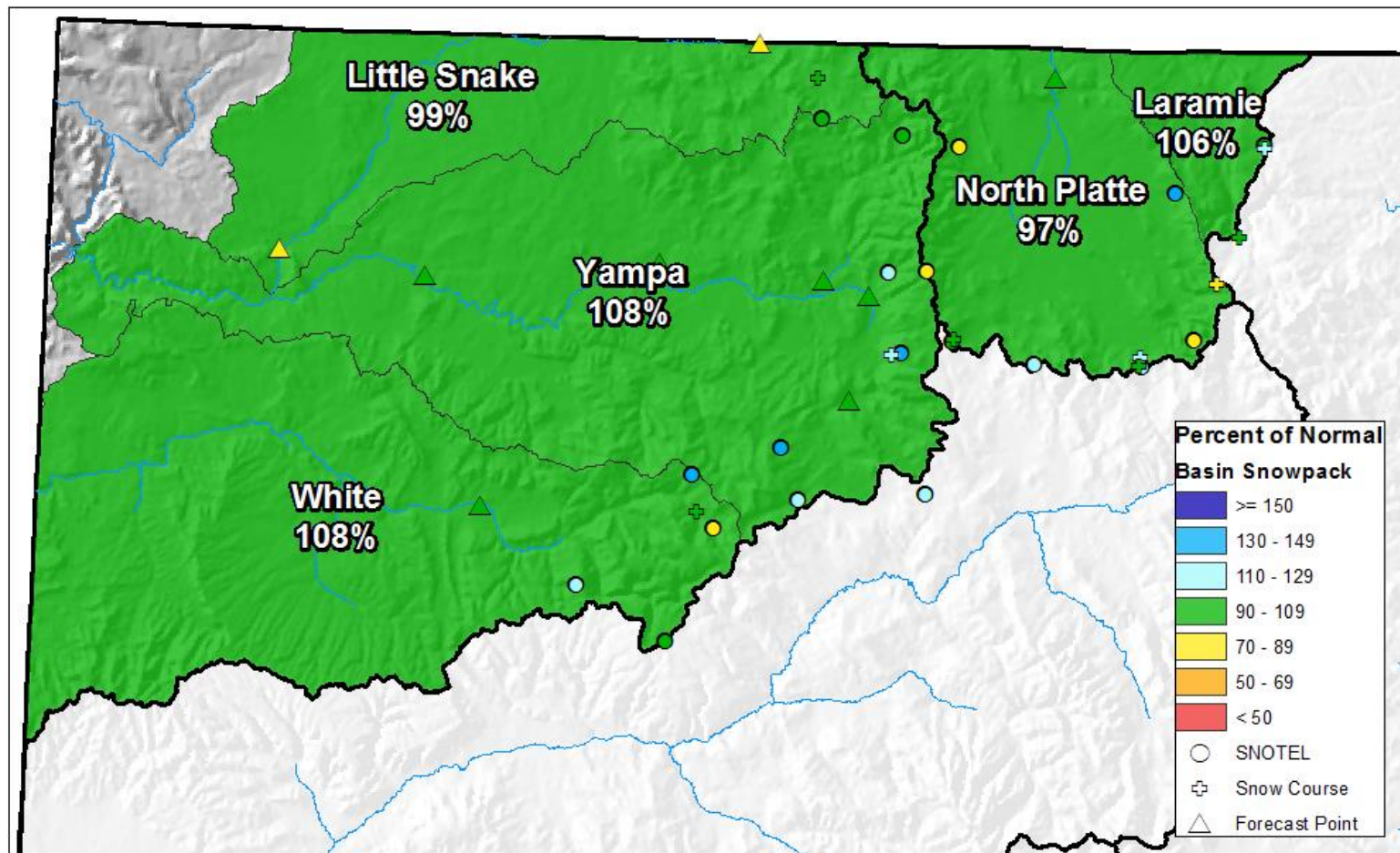
<http://www.nrcs.usda.gov/wps/portal/nrcs/main/co/snow/>

Major Basin Summary

Yampa, White, and North Platte River Basins



Yampa, White, and North Platte River Basins Snowpack and Streamflow Forecasts February 1, 2016



0 10 20 40 60 80 Miles



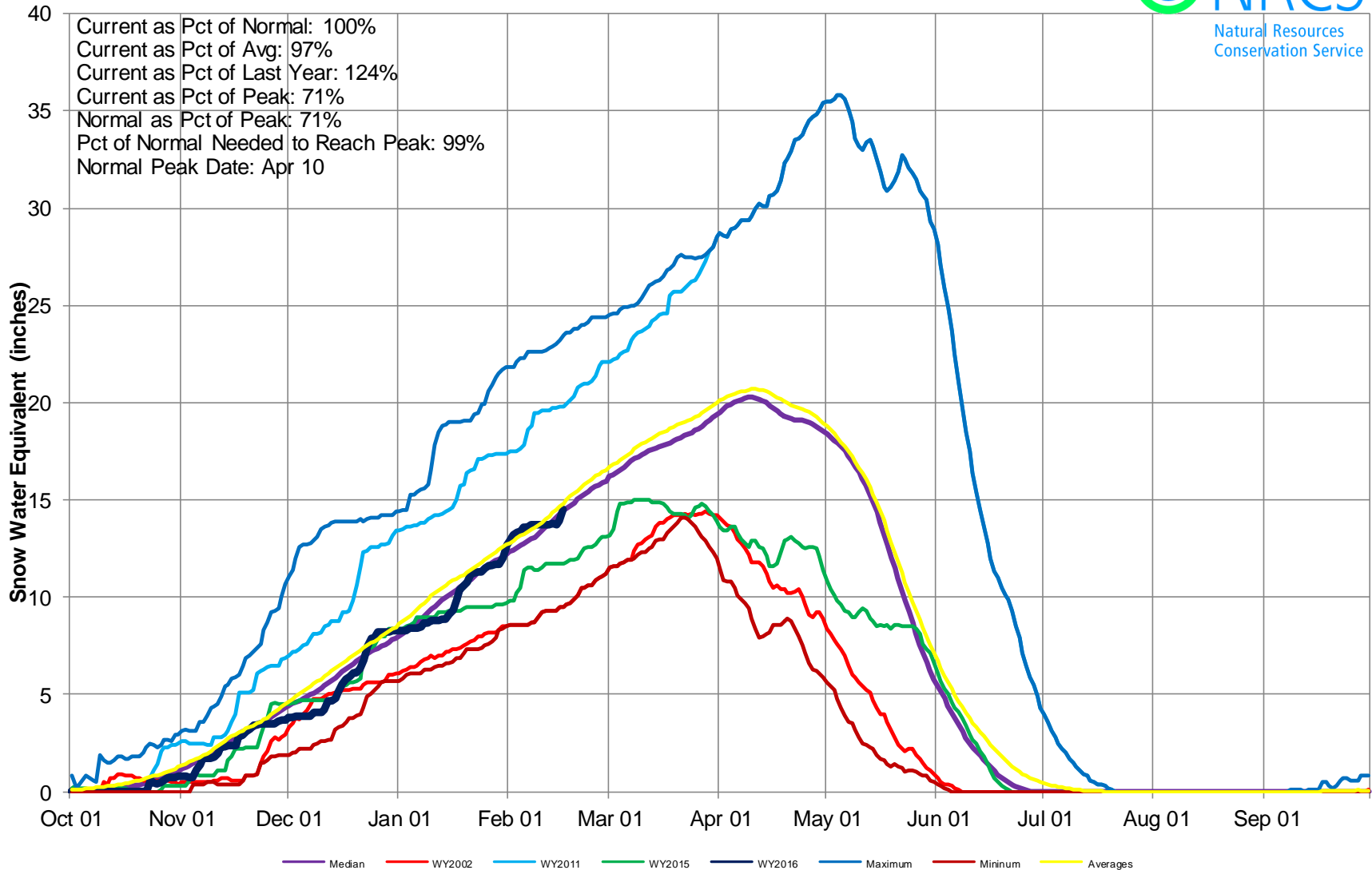
United States Department of Agriculture

Natural Resources Conservation Service

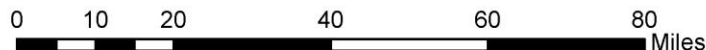
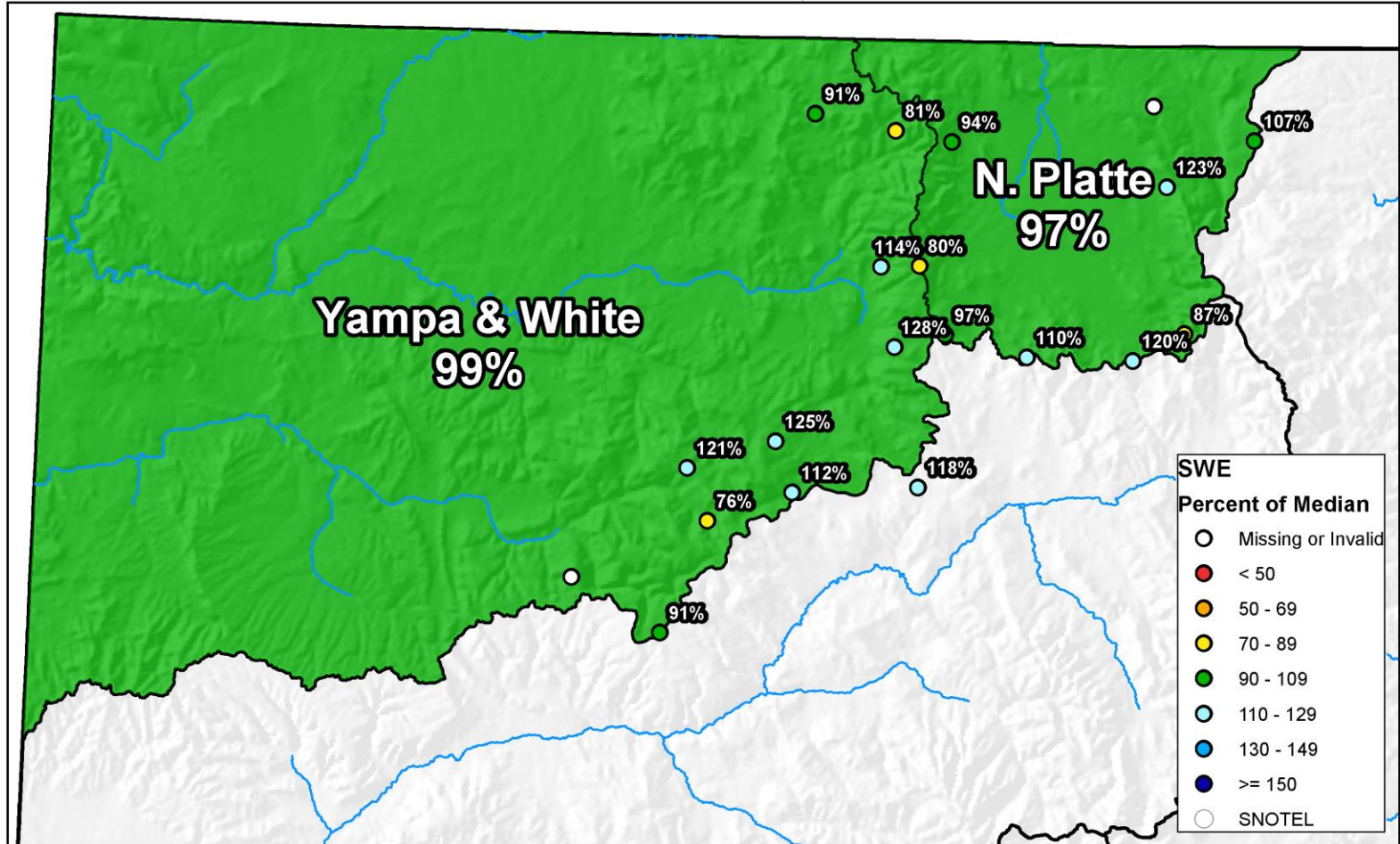


Yampa, White & North Platte River Basins High/Low Snowpack Summary

Based on Provisional SNOTEL data as of Feb 16, 2016

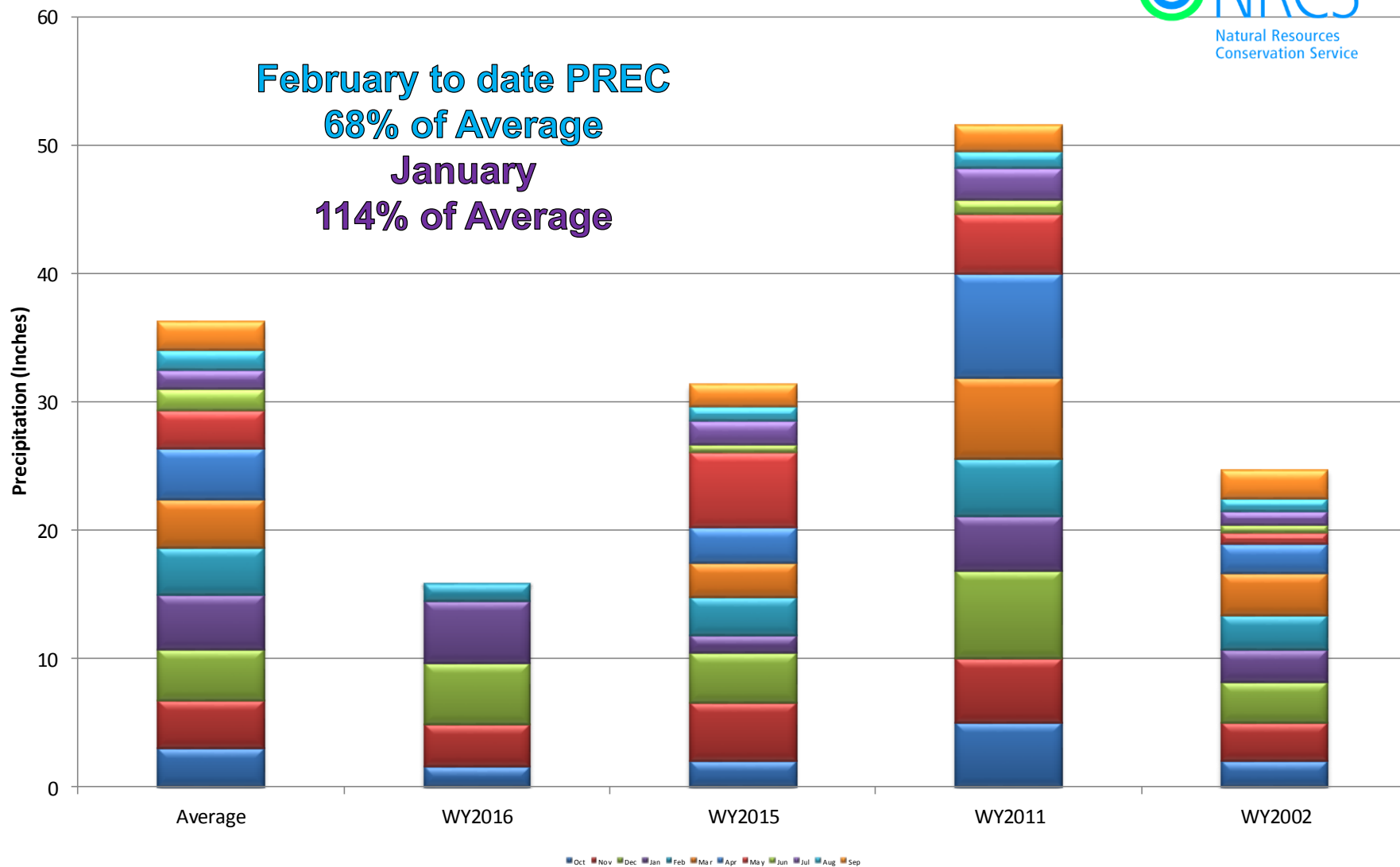


Yampa, White, and North Platte River Basins Snow Water Equivalent (SWE) Summary Current as of Feb 17, 2016



Yampa & White River Basins High/Low Monthly Precipitation Summary

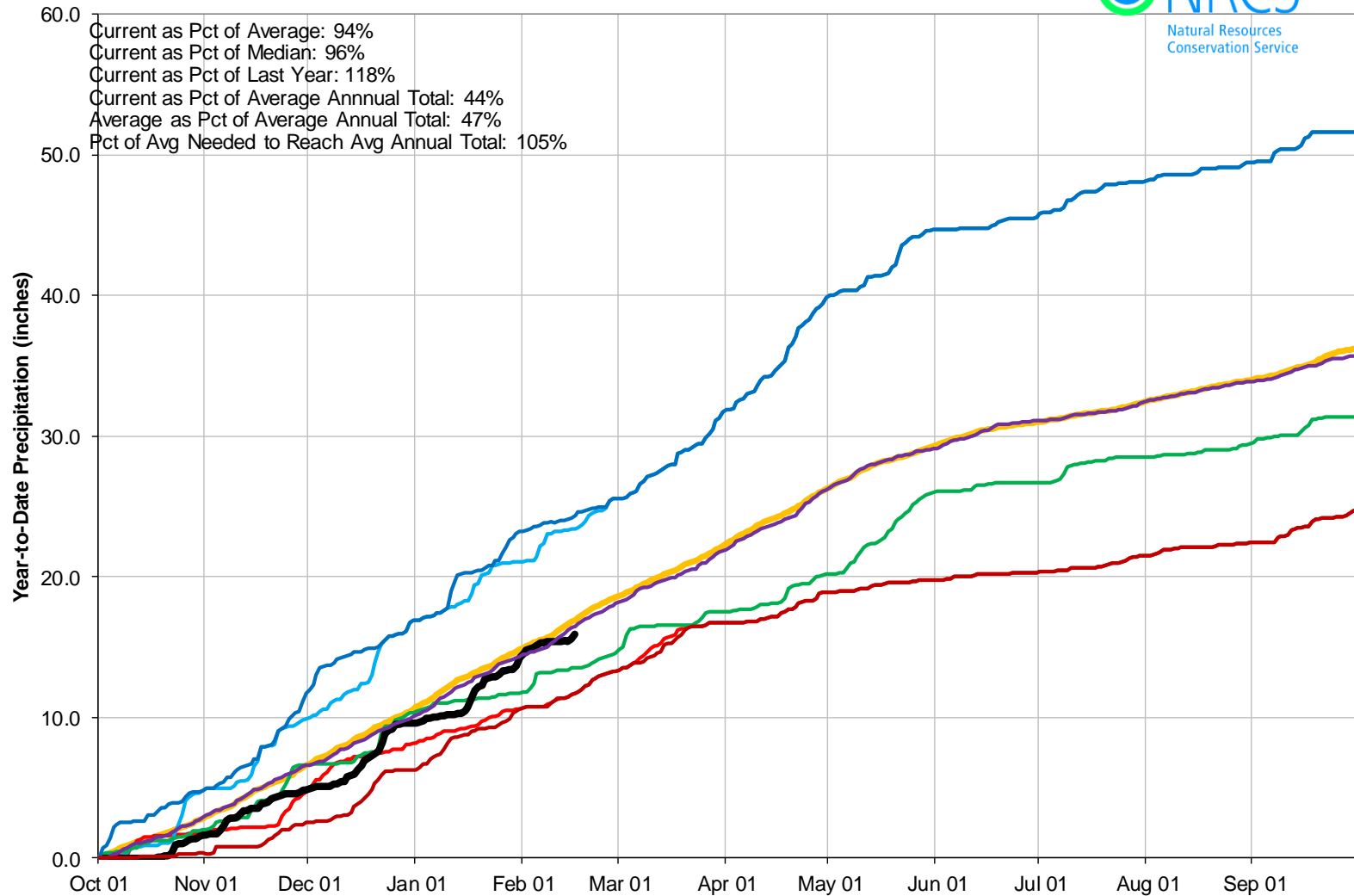
Based on Provisional SNOTEL data as of Feb 16, 2016

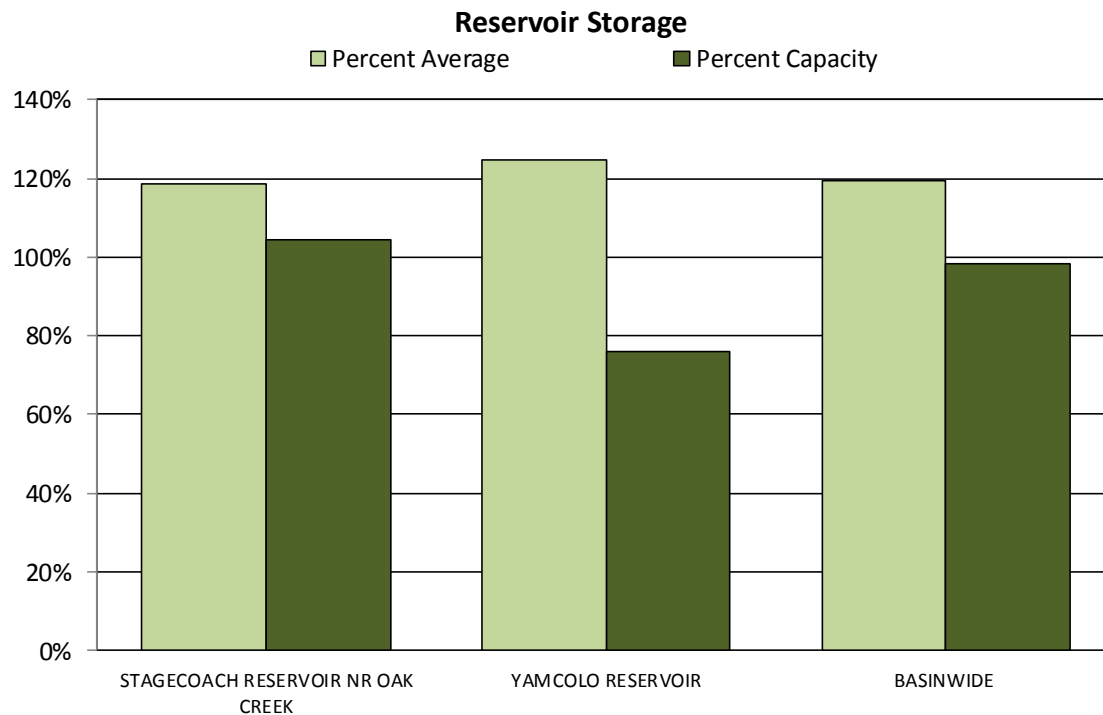




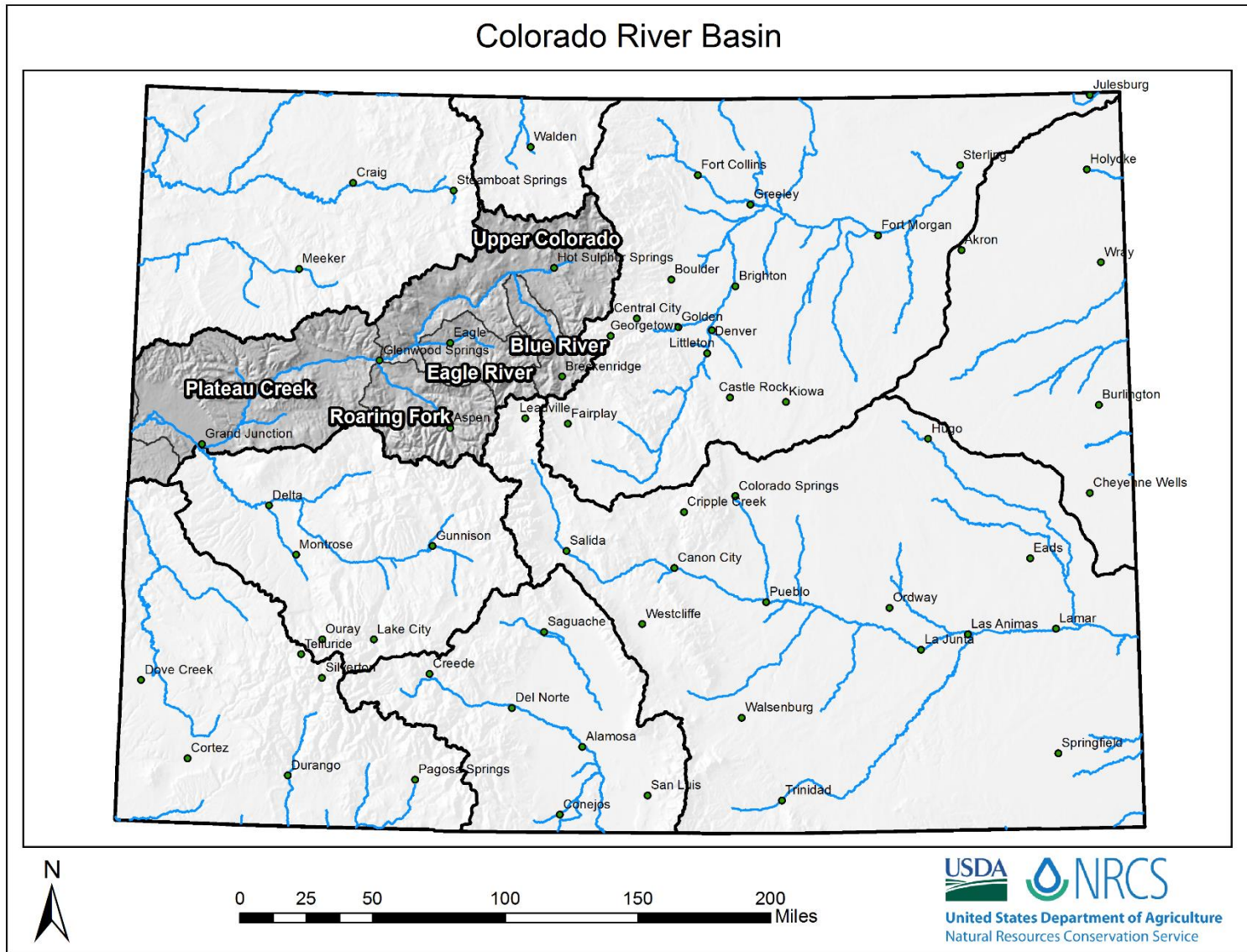
Yampa & White River Basins High/Low Year-to-Date Precipitation Summary

Based on Provisional SNOTEL data as of Feb 16, 2016

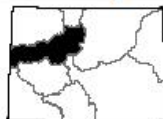
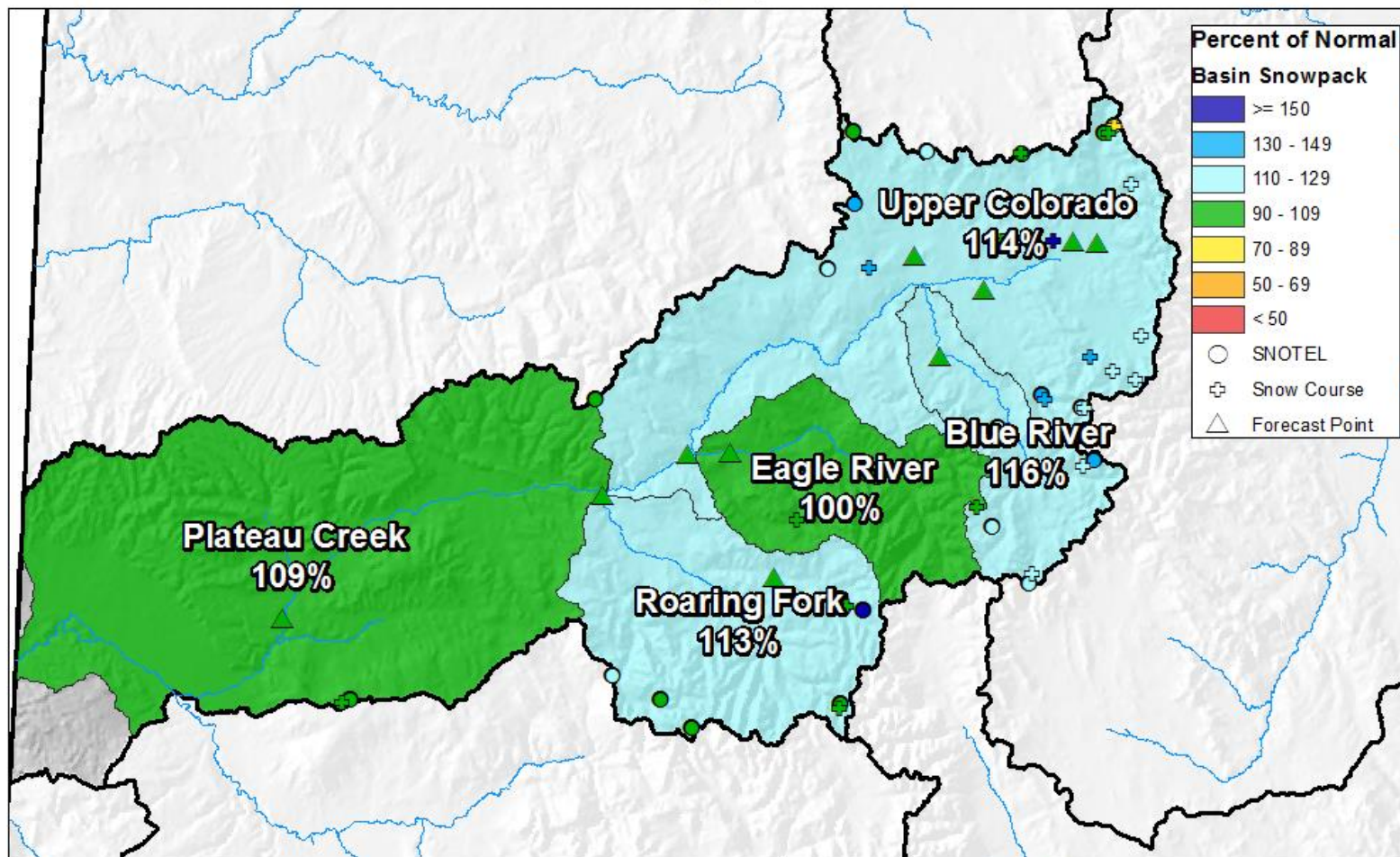




Major Basin Summary



Upper Colorado River Basin Snowpack and Streamflow Forecasts February 1, 2016

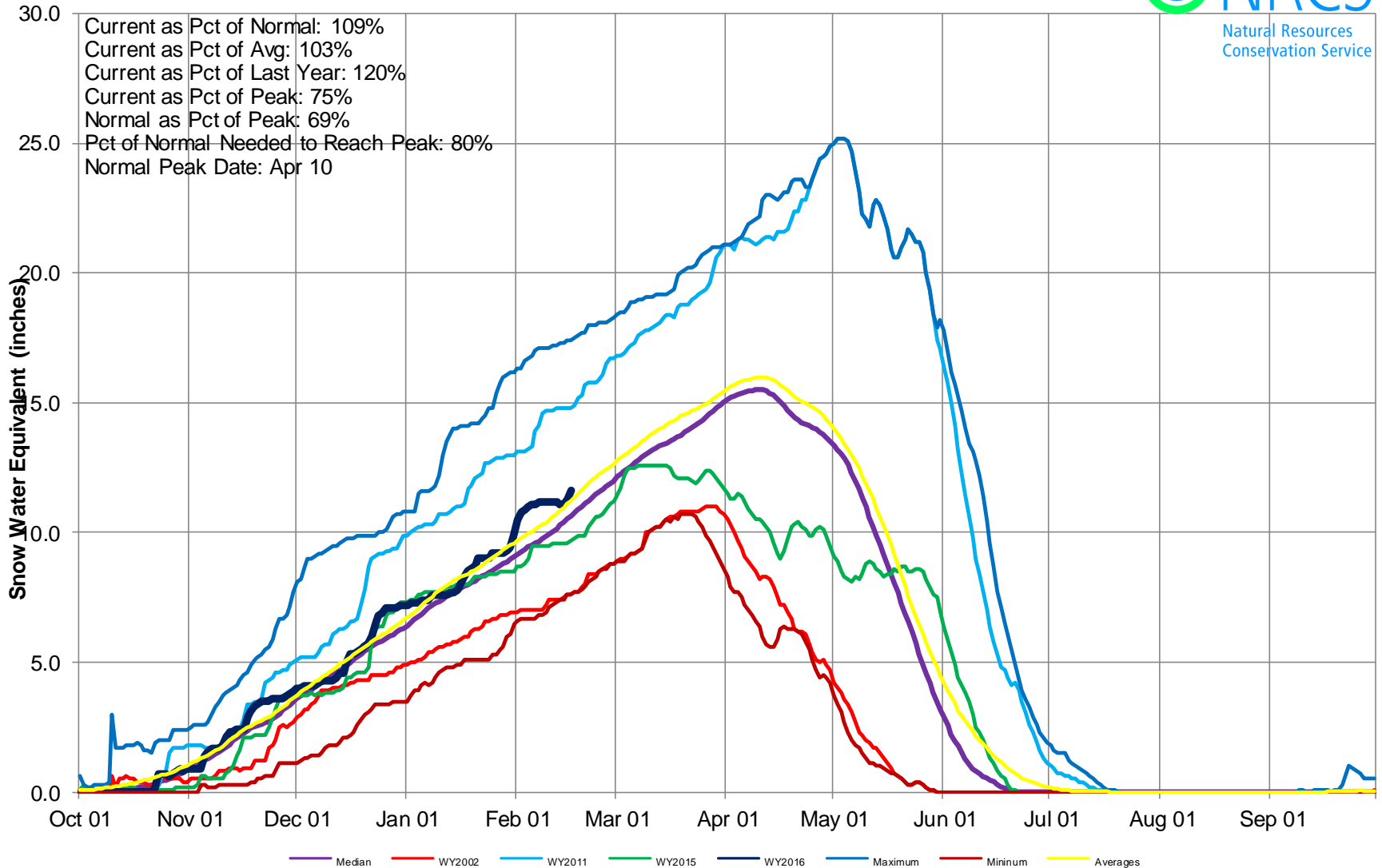


0 5 10 20 30 40
Miles



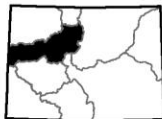
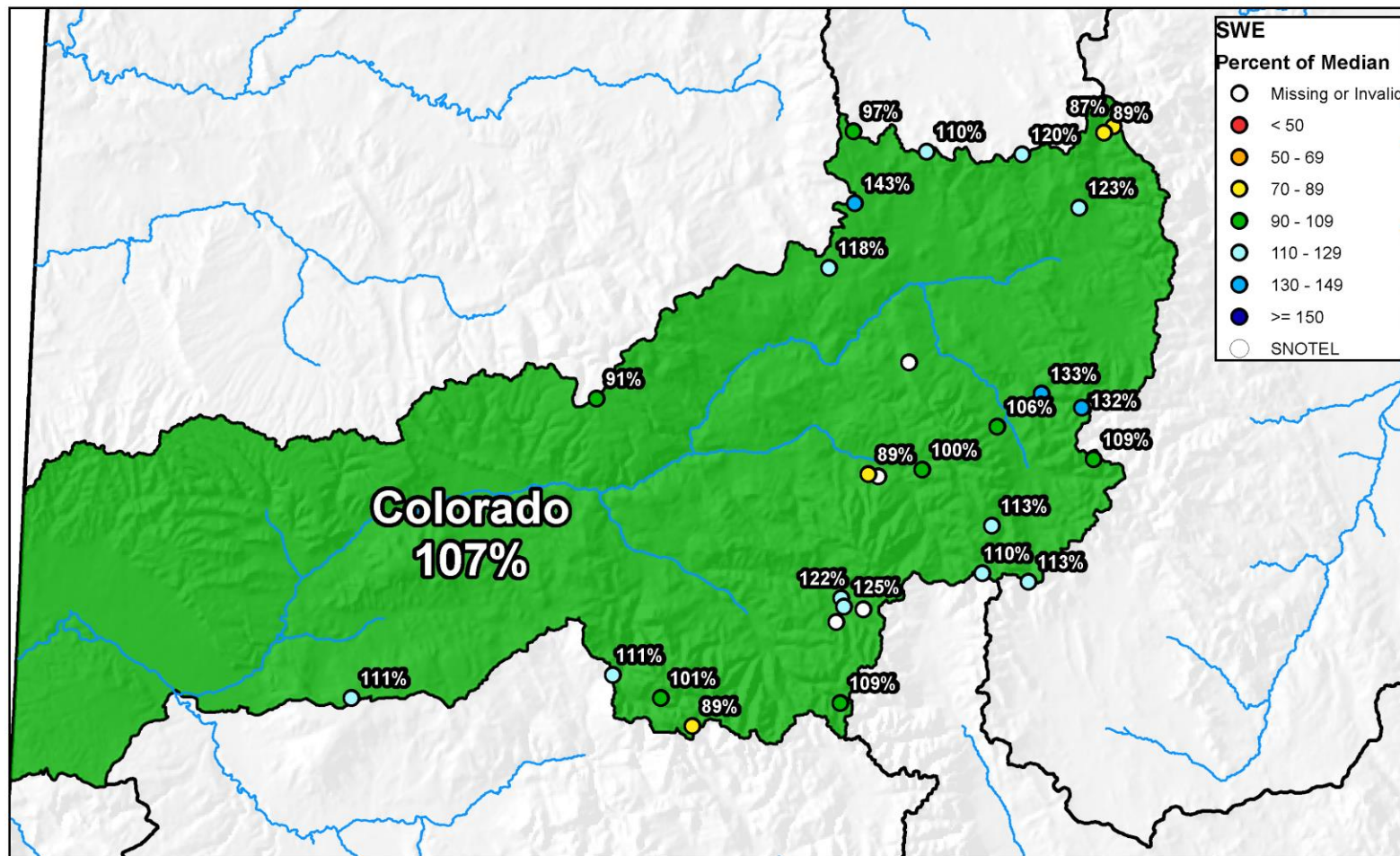
Upper Colorado River Basin High/Low Snowpack Summary

Based on Provisional SNOTEL data as of Feb 16, 2016



Upper Colorado River Basin Snow Water Equivalent (SWE) Summary

Current as of Feb 17, 2016



0 10 20 40 60 80 Miles

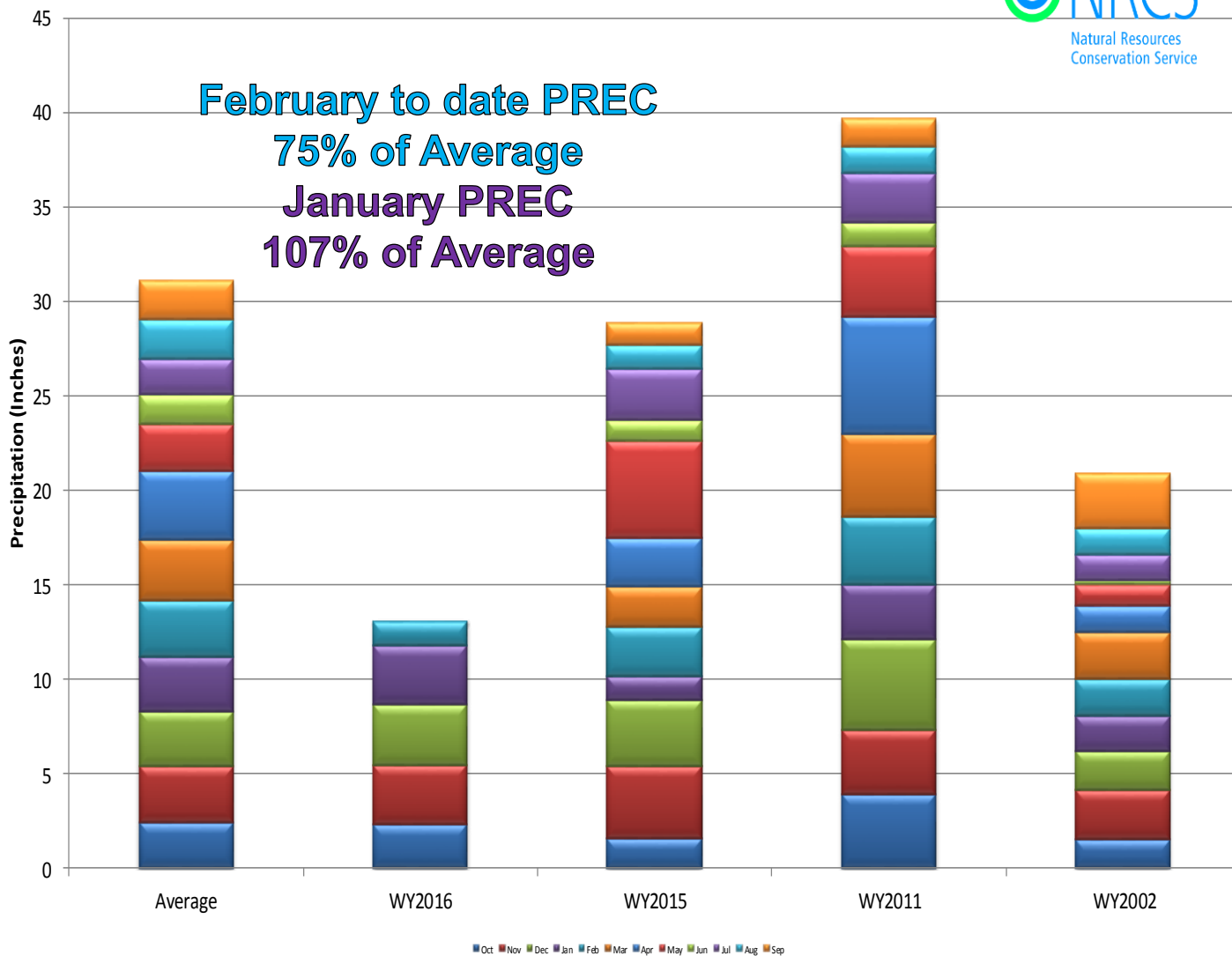


United States Department of Agriculture

Natural Resources Conservation Service

Upper Colorado River Basin High/Low Monthly Precipitation Summary

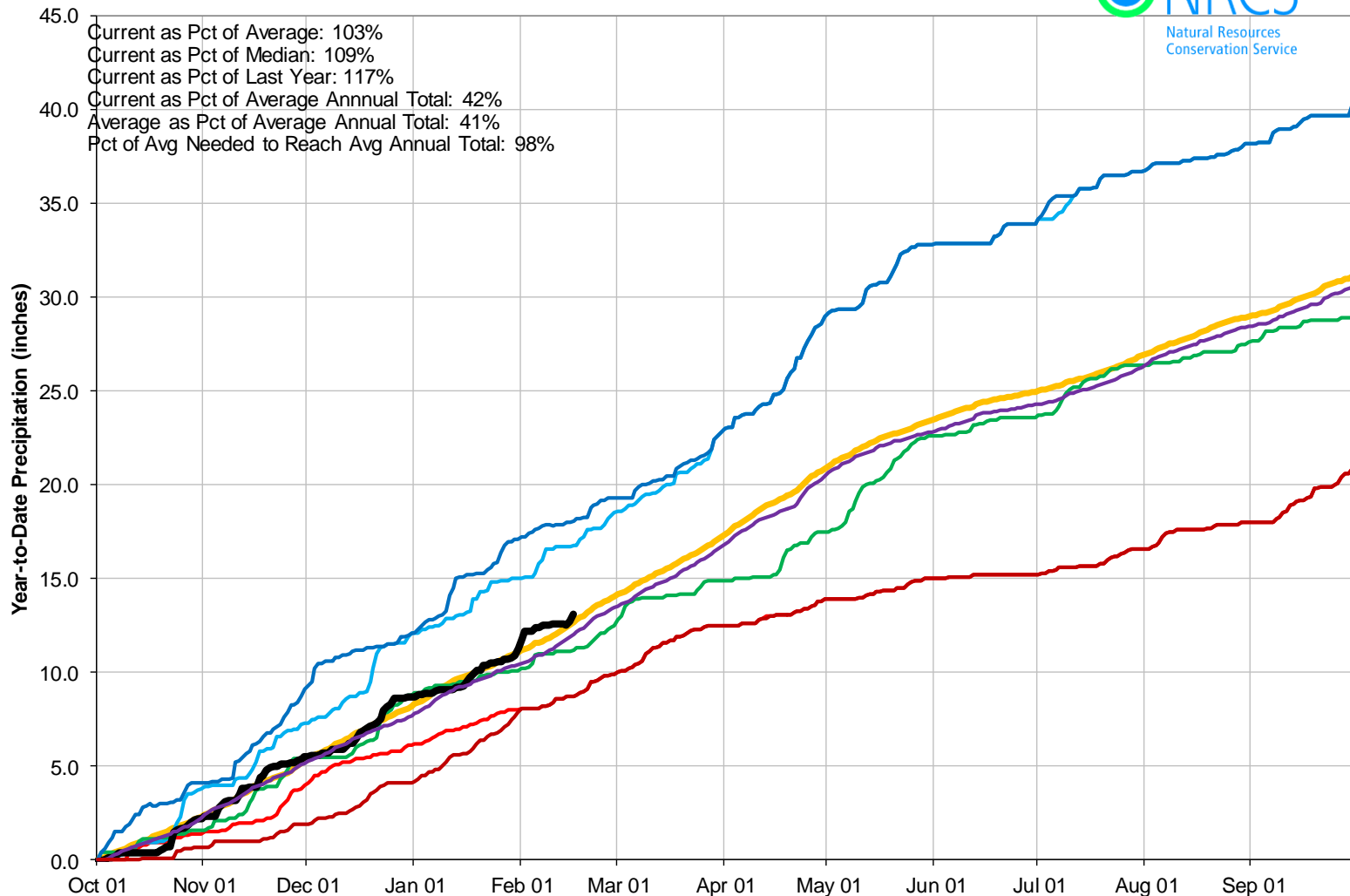
Based on Provisional SNOTEL data as of Feb 16, 2016



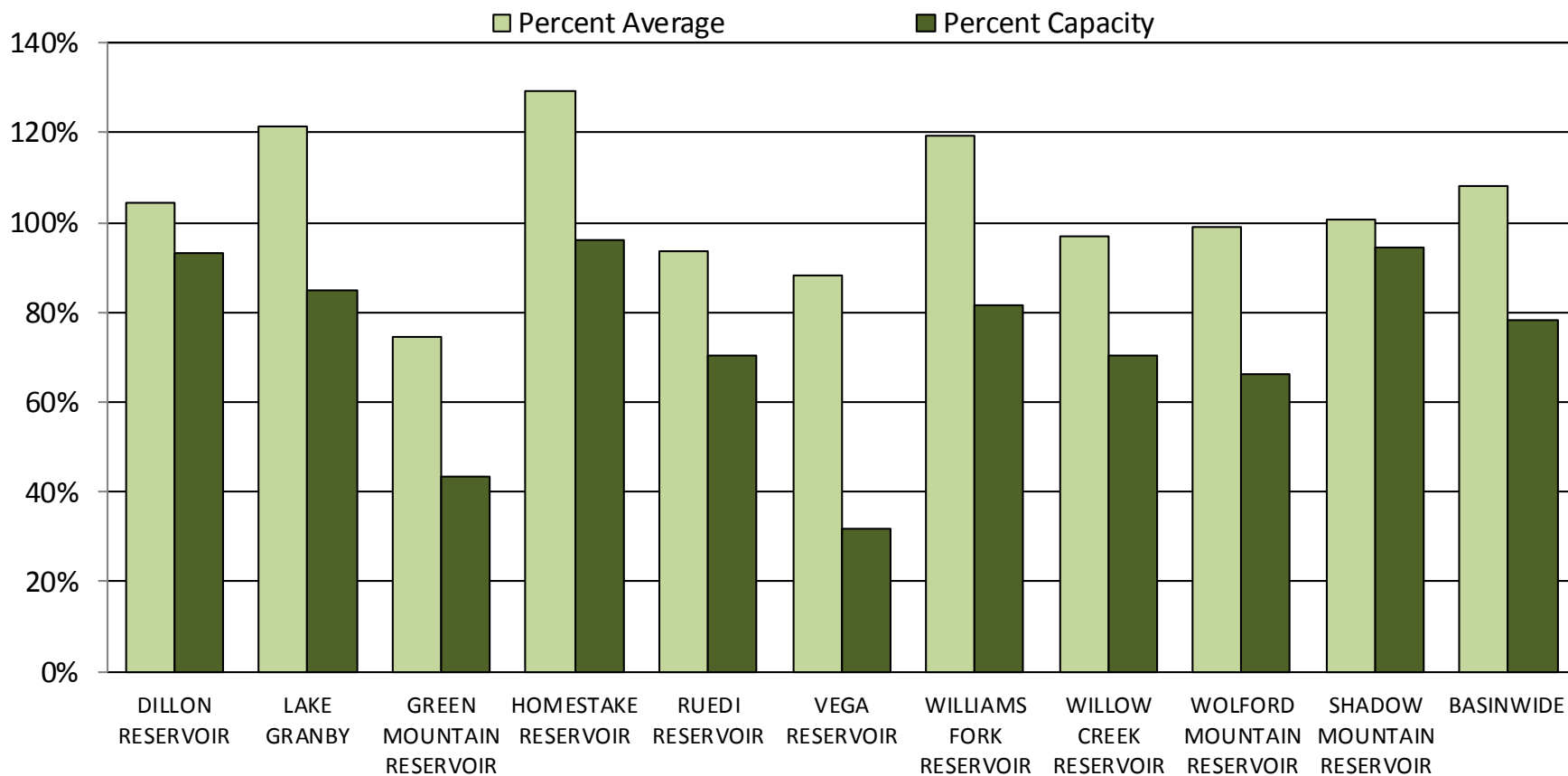


Upper Colorado River Basin High/Low Year-to-Date Precipitation Summary

Based on Provisional SNOTEL data as of Feb 16, 2016

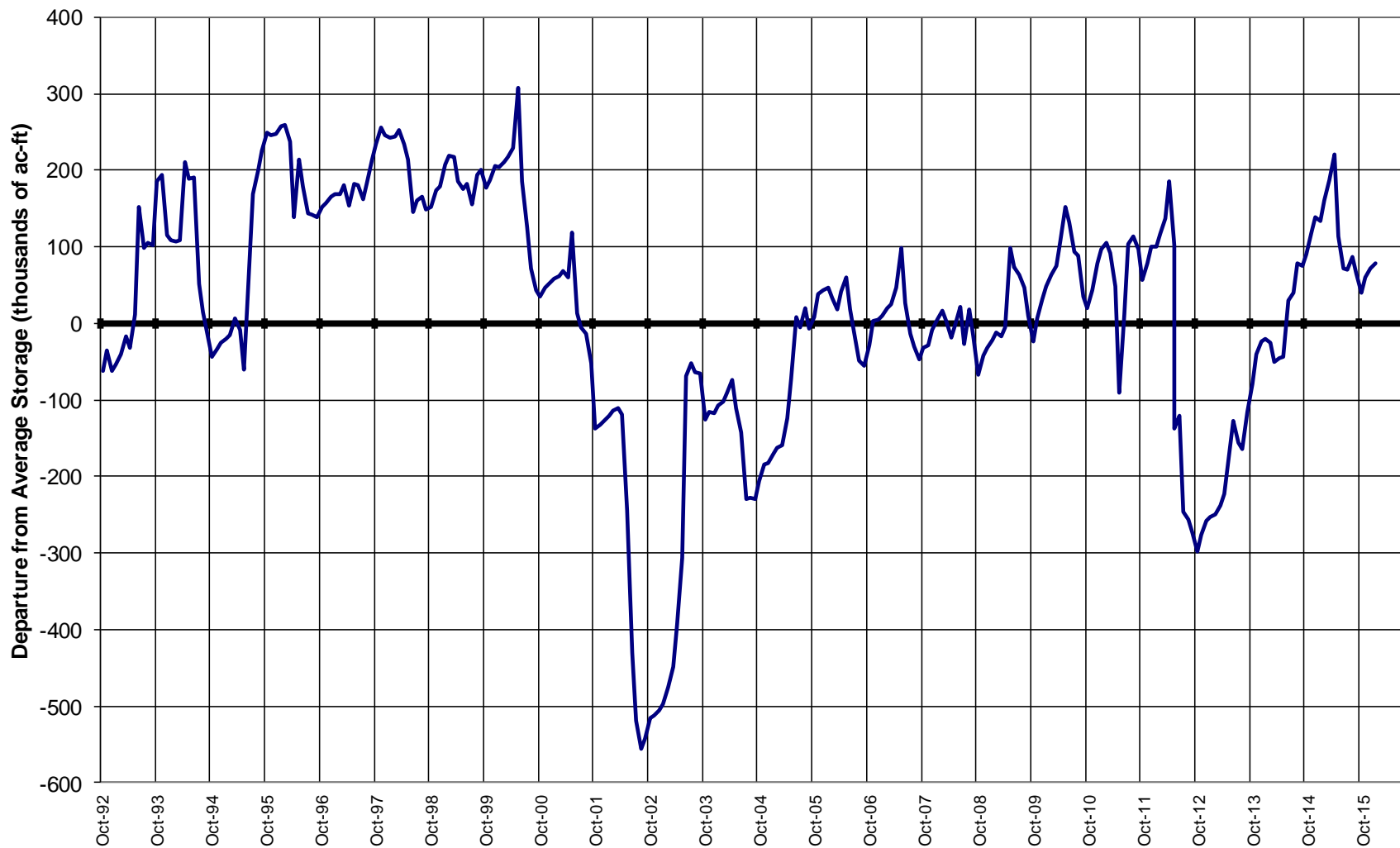


Reservoir Storage



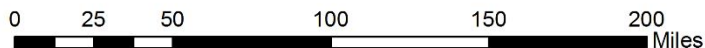
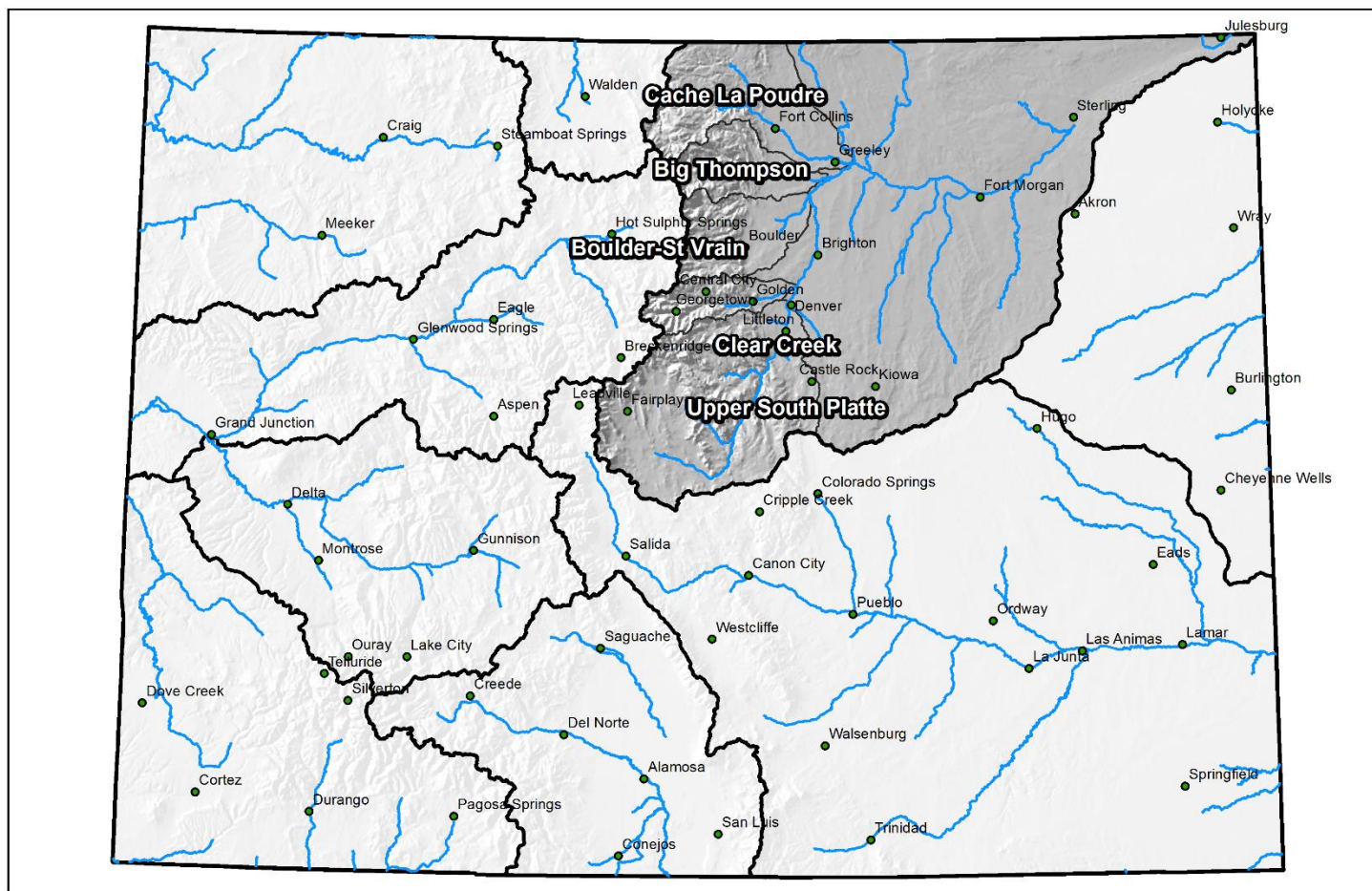


COLORADO RIVER BASIN Reservoir Storage Departure from Average

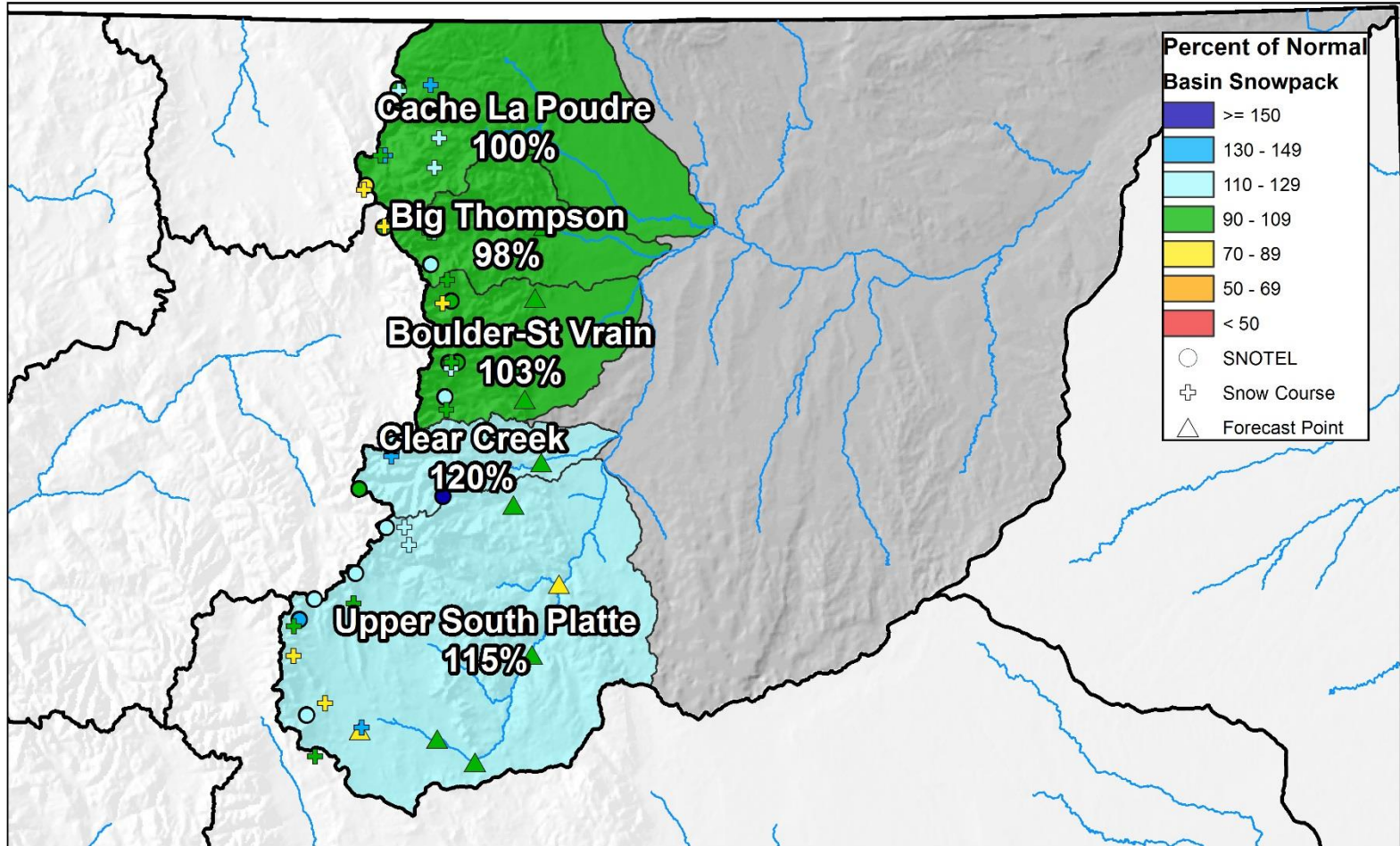


Major Basin Summary

South Platte River Basin



South Platte River Basin Snowpack and Streamflow Forecasts February 1, 2016

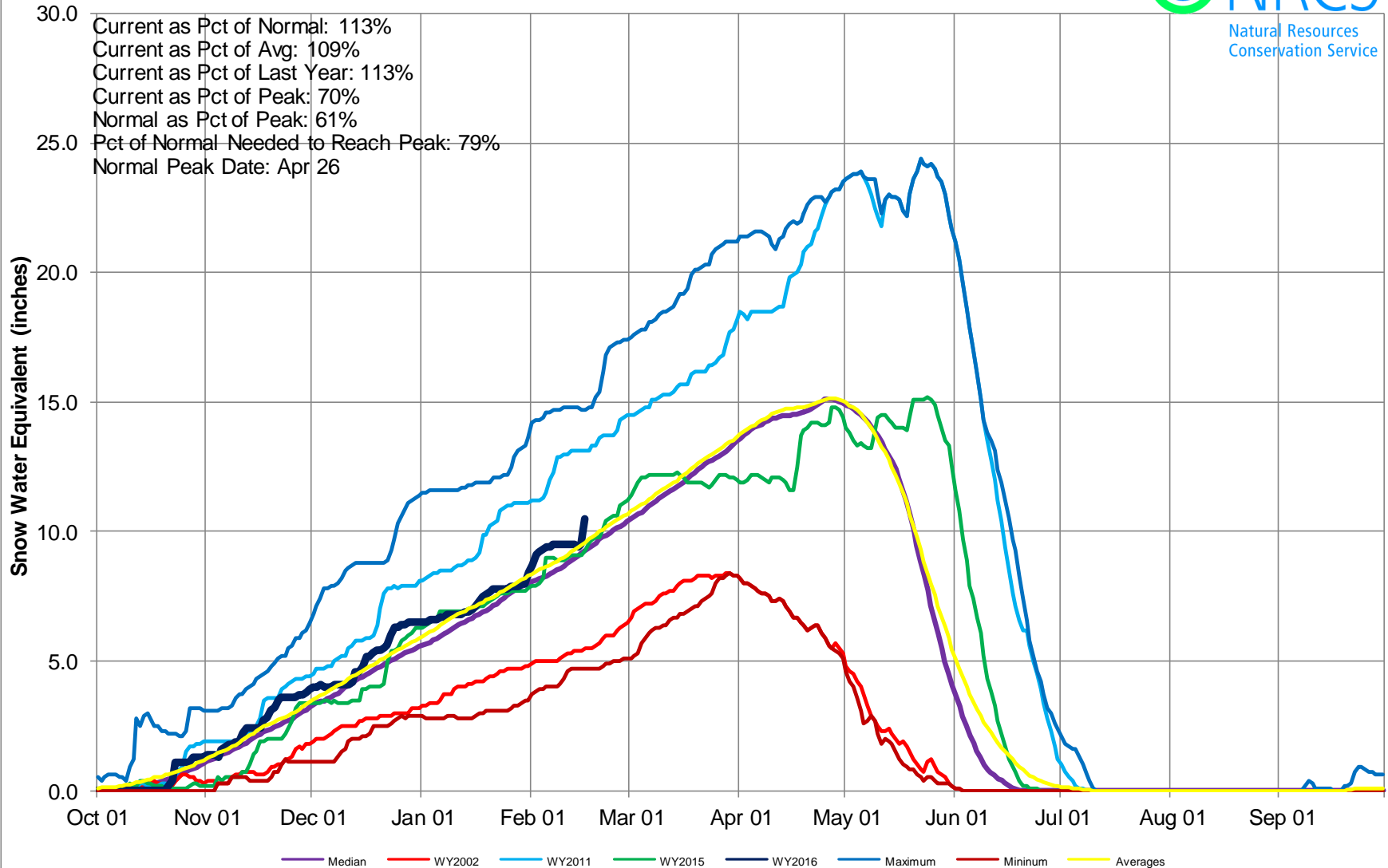


0 10 20 40 60 80 Miles



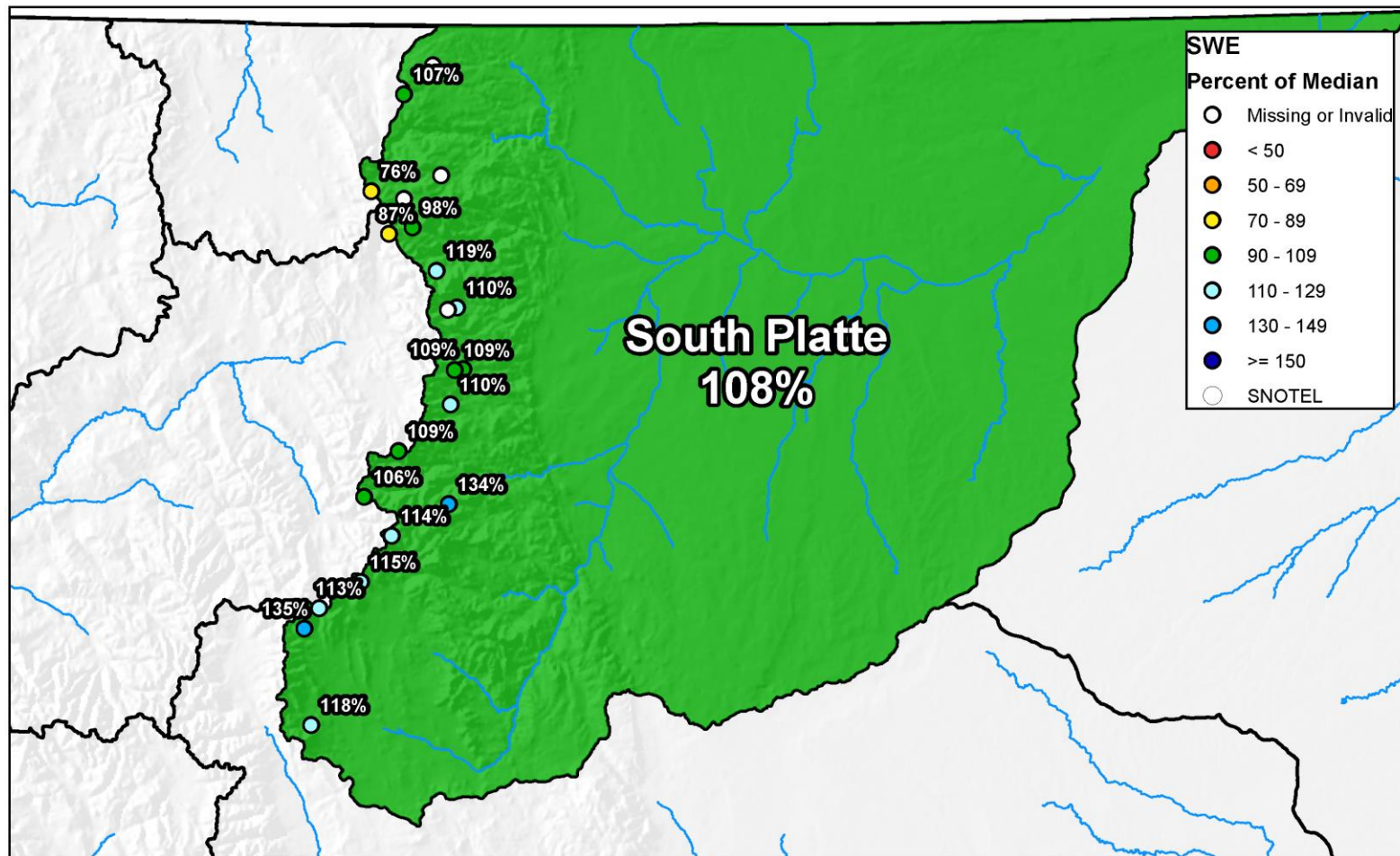
South Platte River Basin High/Low Snowpack Summary

Based on Provisional SNOTEL data as of Feb 16, 2016



South Platte River Basin Snow Water Equivalent (SWE) Summary

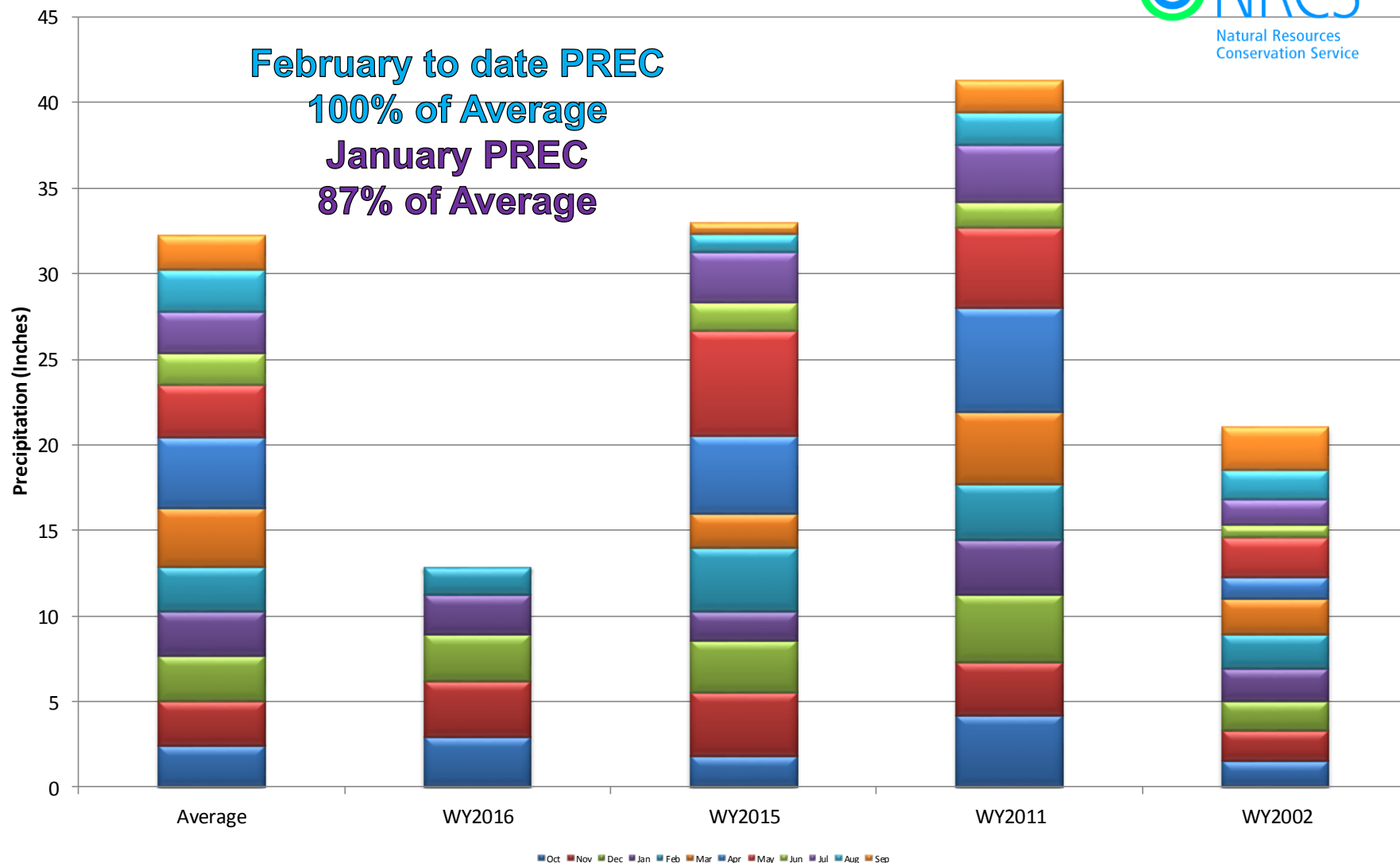
Current as of Feb 17, 2016



0 10 20 40 60 80 Miles

South Platte River Basin High/Low Monthly Precipitation Summary

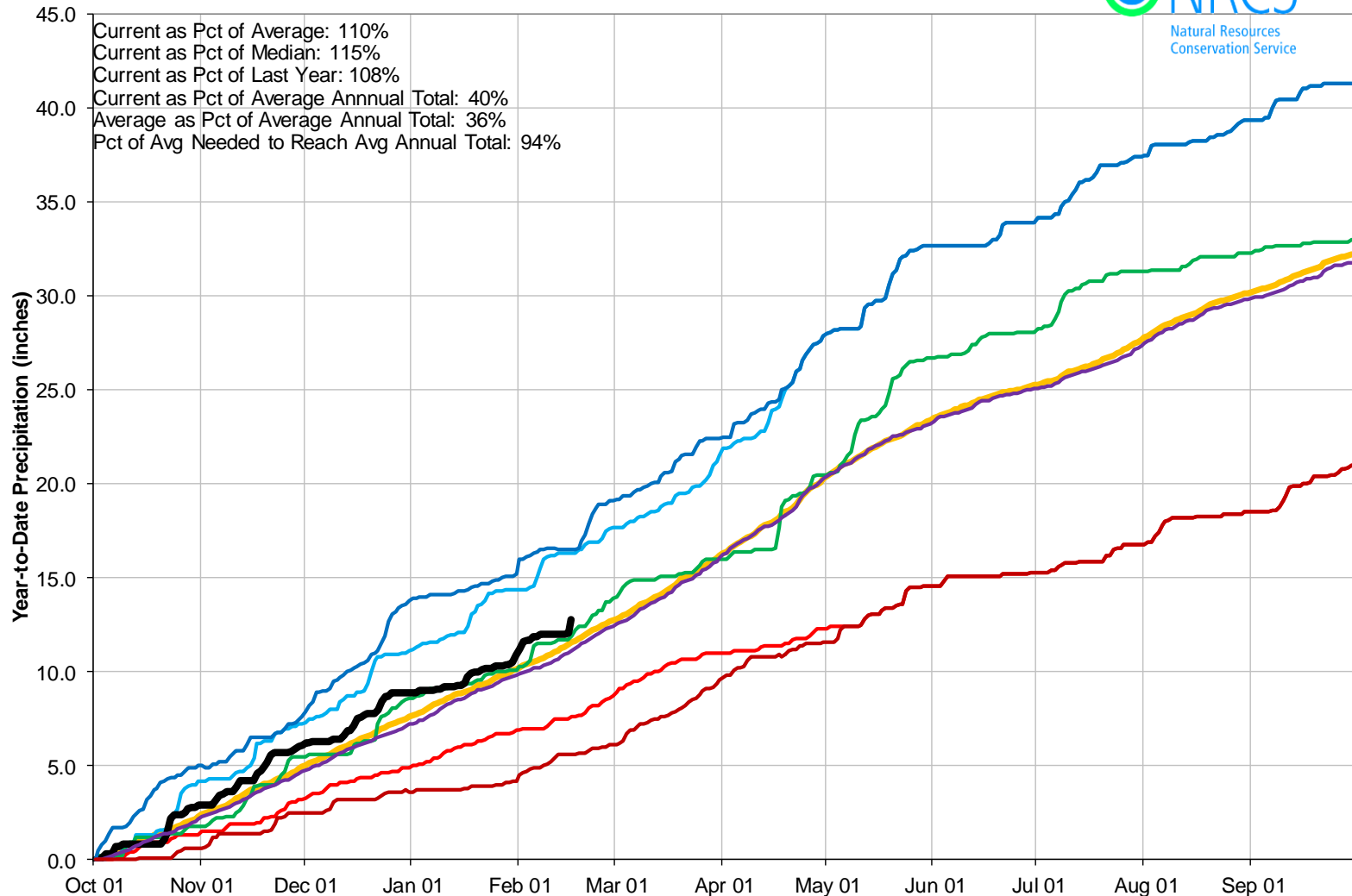
Based on Provisional SNOTEL data as of Feb 16, 2016





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

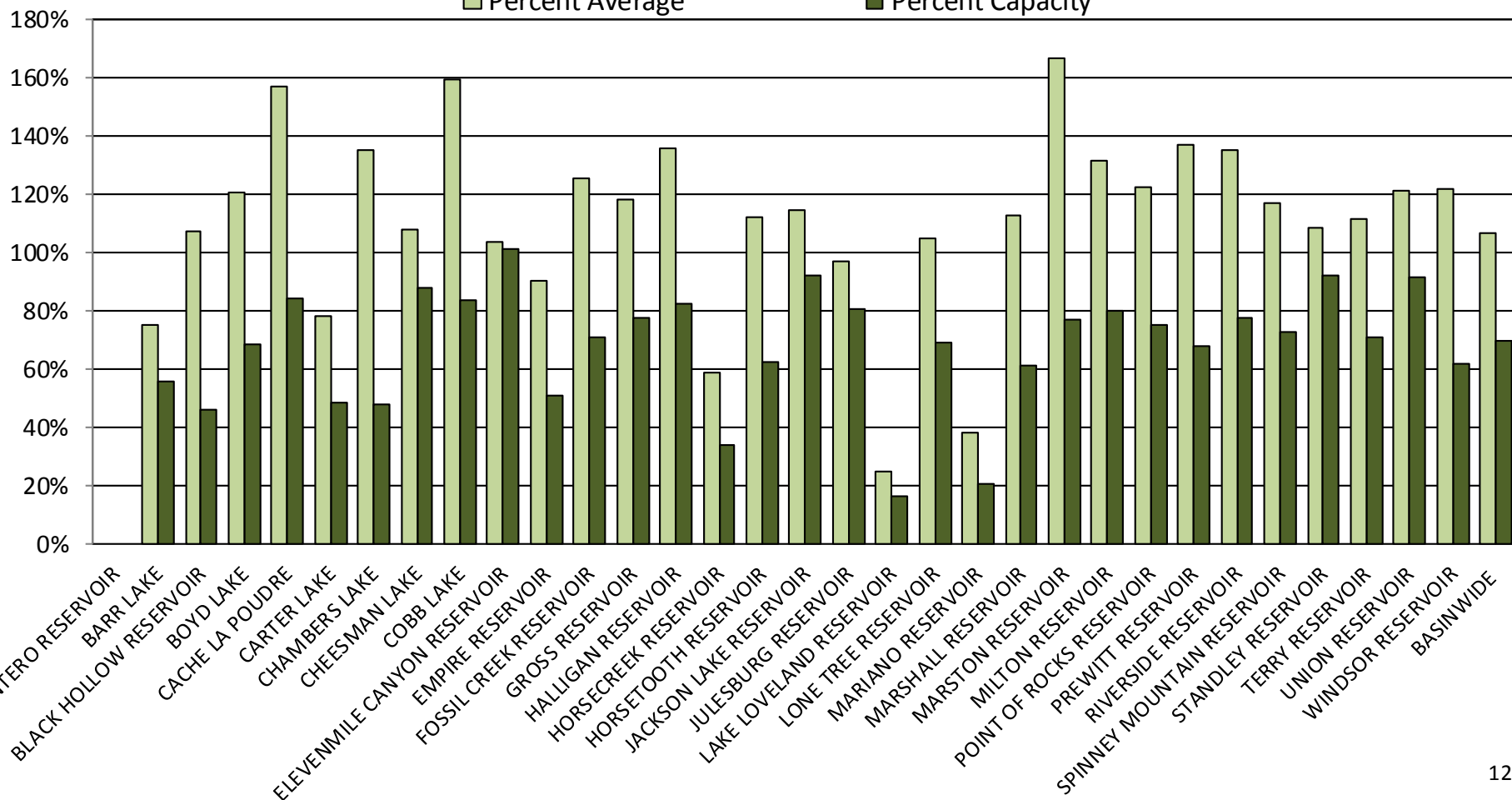
Based on Provisional SNOTEL data as of Feb 16, 2016



Reservoir Storage

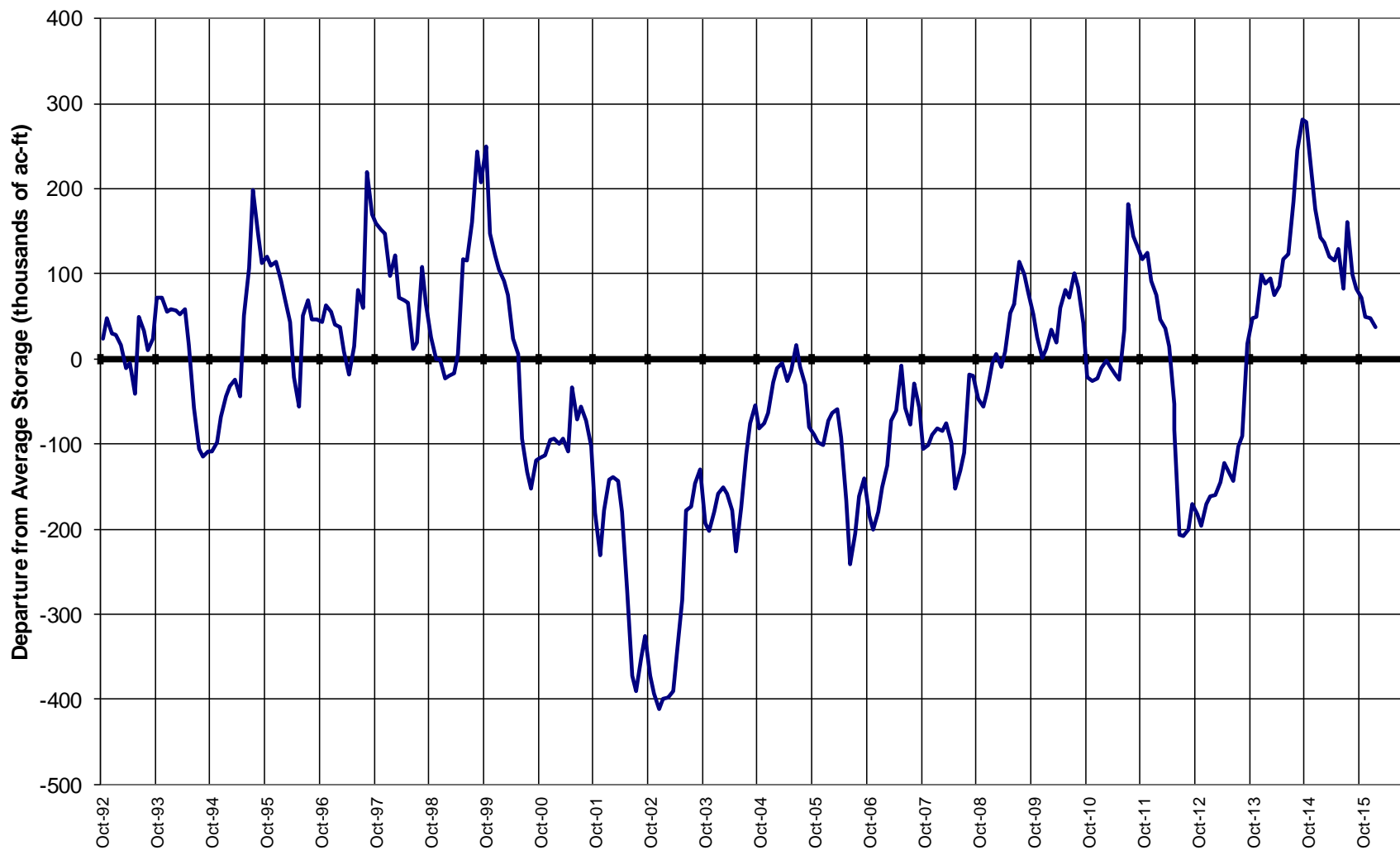
■ Percent Average

■ Percent Capacity



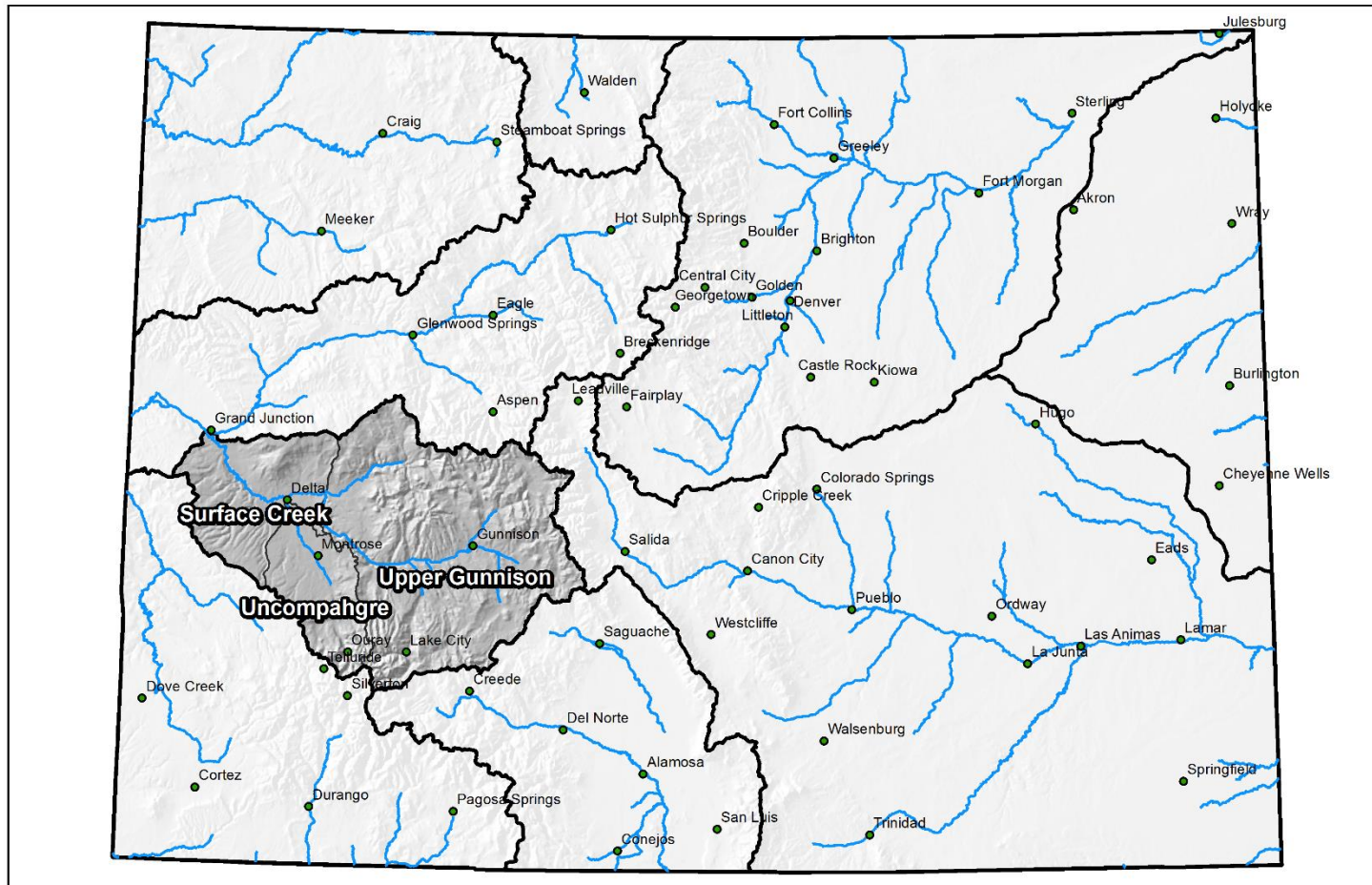


SOUTH PLATTE RIVER BASIN Reservoir Storage Departure from Average



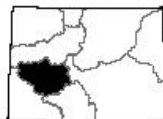
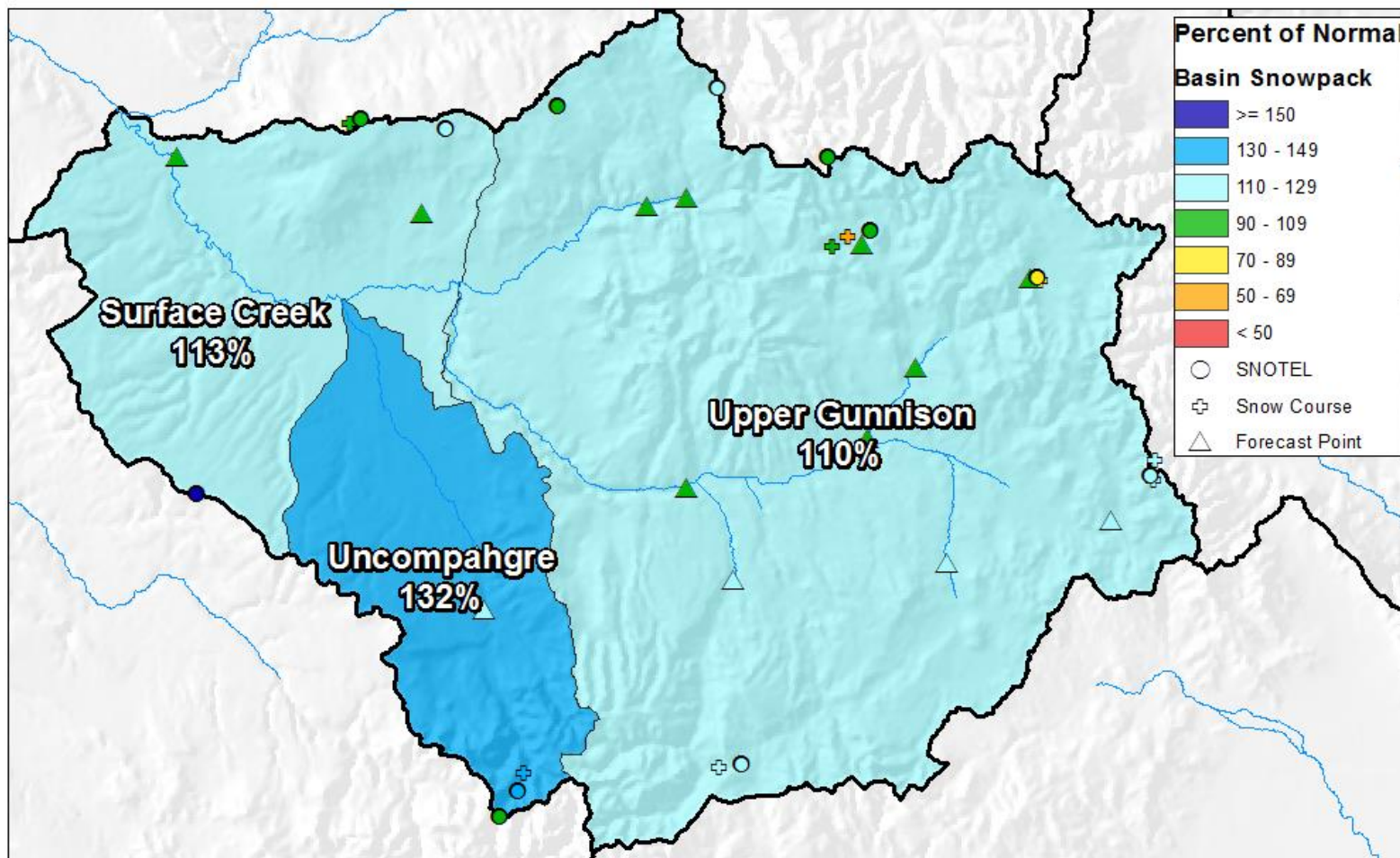
Major Basin Summary

Gunnison River Basin



0 25 50 100 150 200 Miles

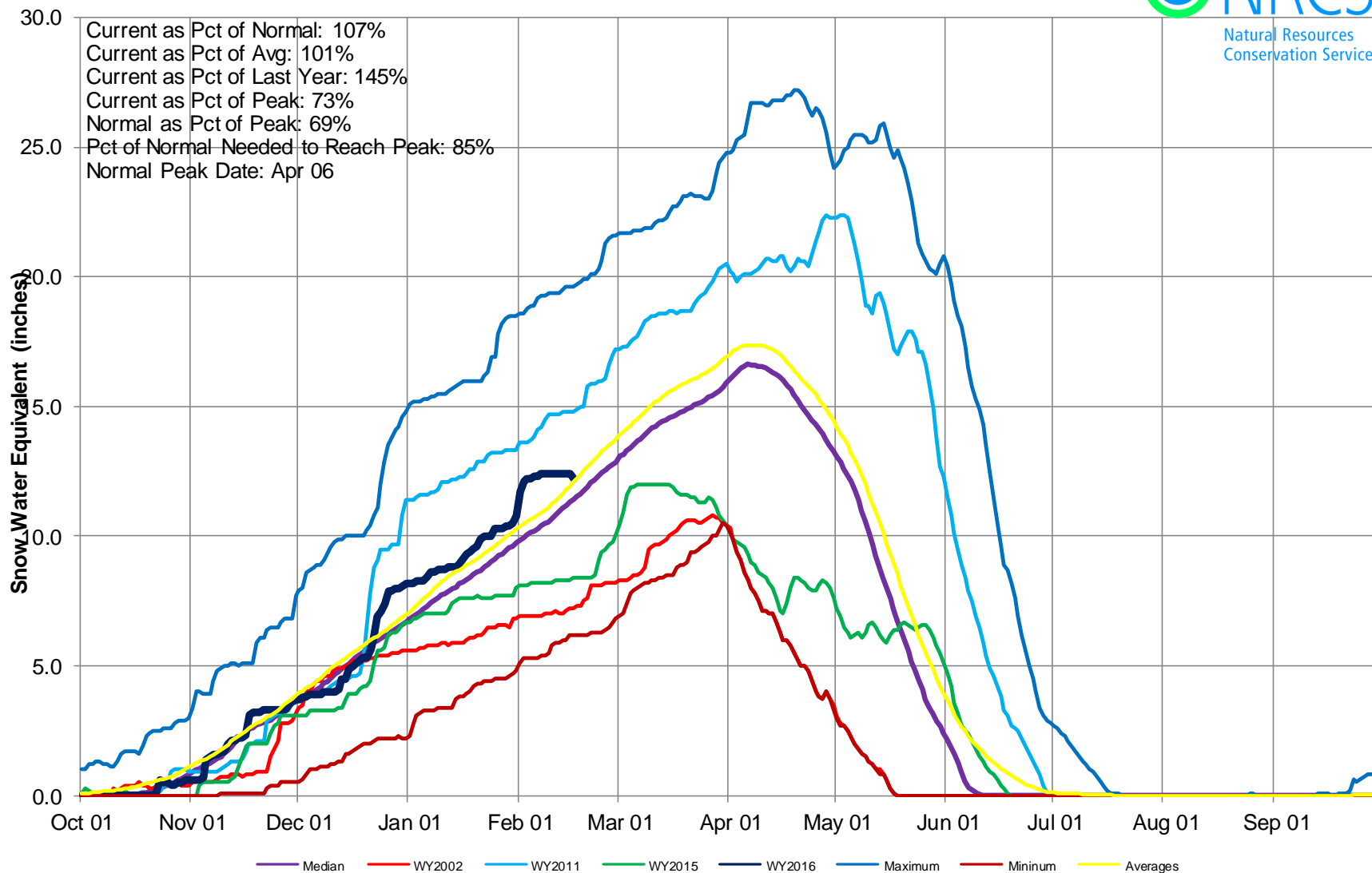
Gunnison River Basin Snowpack and Streamflow Forecasts February 1, 2016





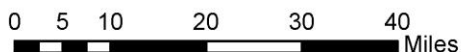
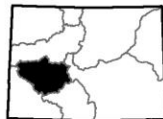
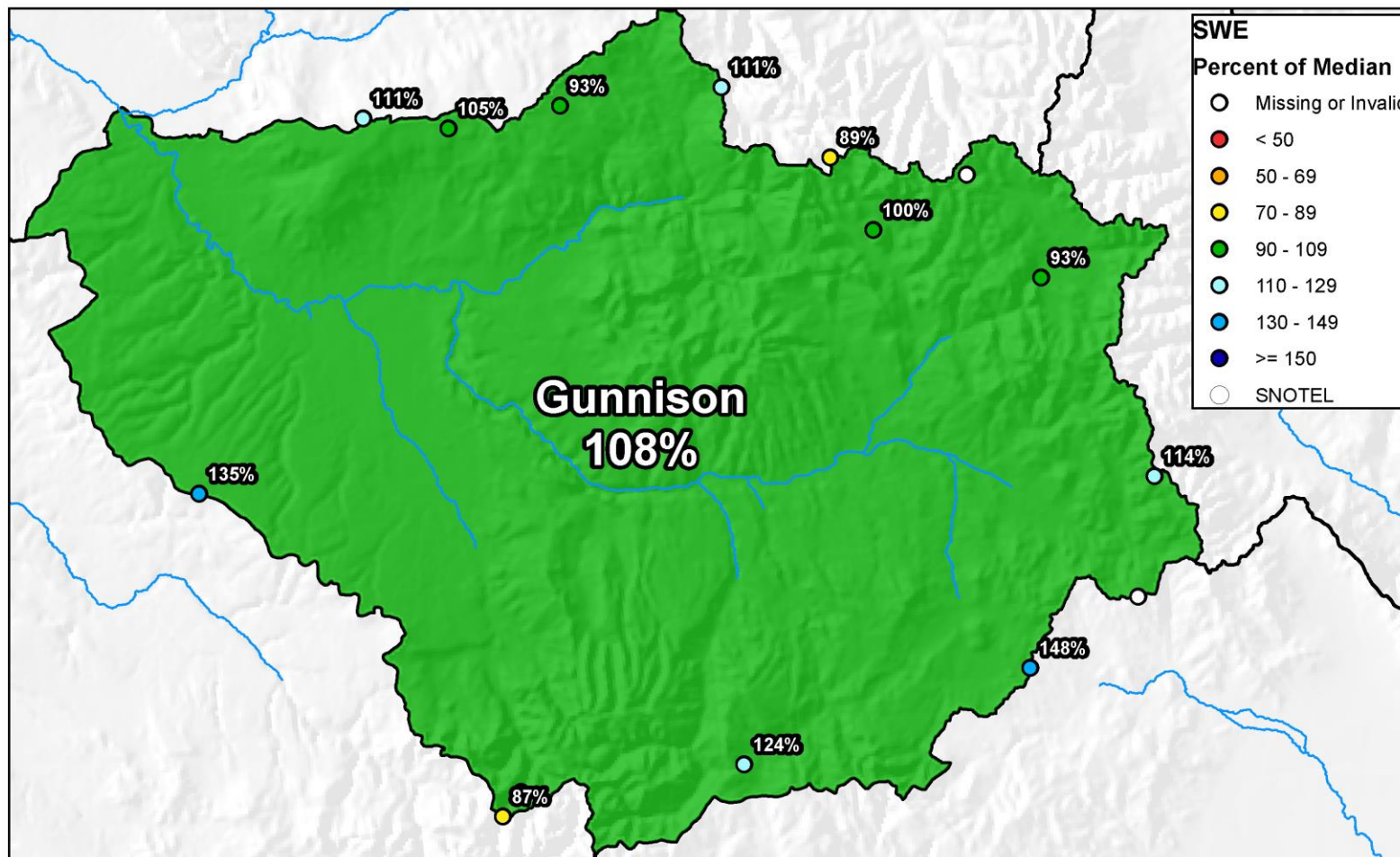
Gunnison River Basin High/Low Snowpack Summary

Based on Provisional SNOTEL data as of Feb 16, 2016



Gunnison River Basin Snow Water Equivalent (SWE) Summary

Current as of Feb 17, 2016

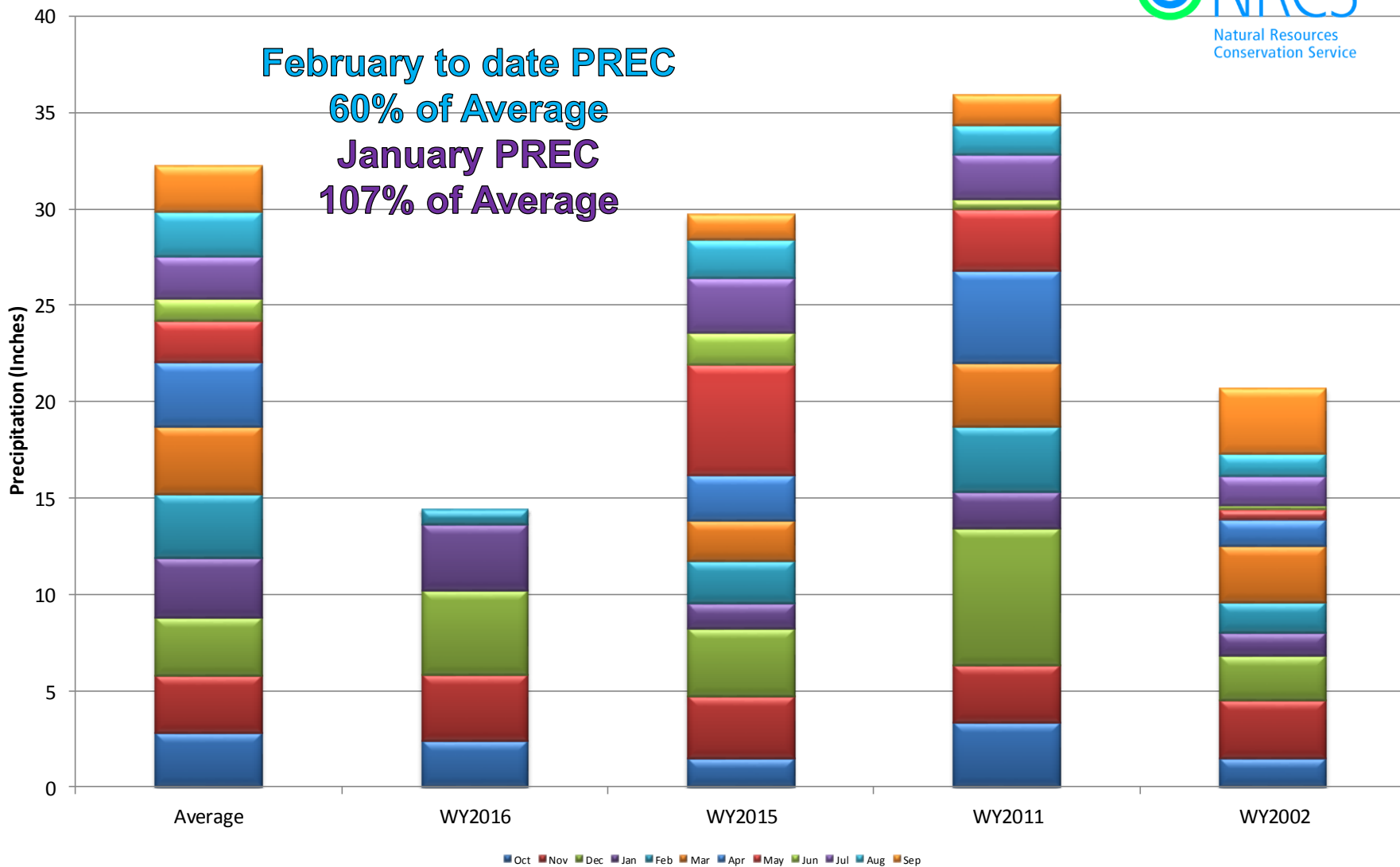


Gunnison River Basin High/Low Monthly Precipitation Summary

Based on Provisional SNOTEL data as of Feb 16, 2016



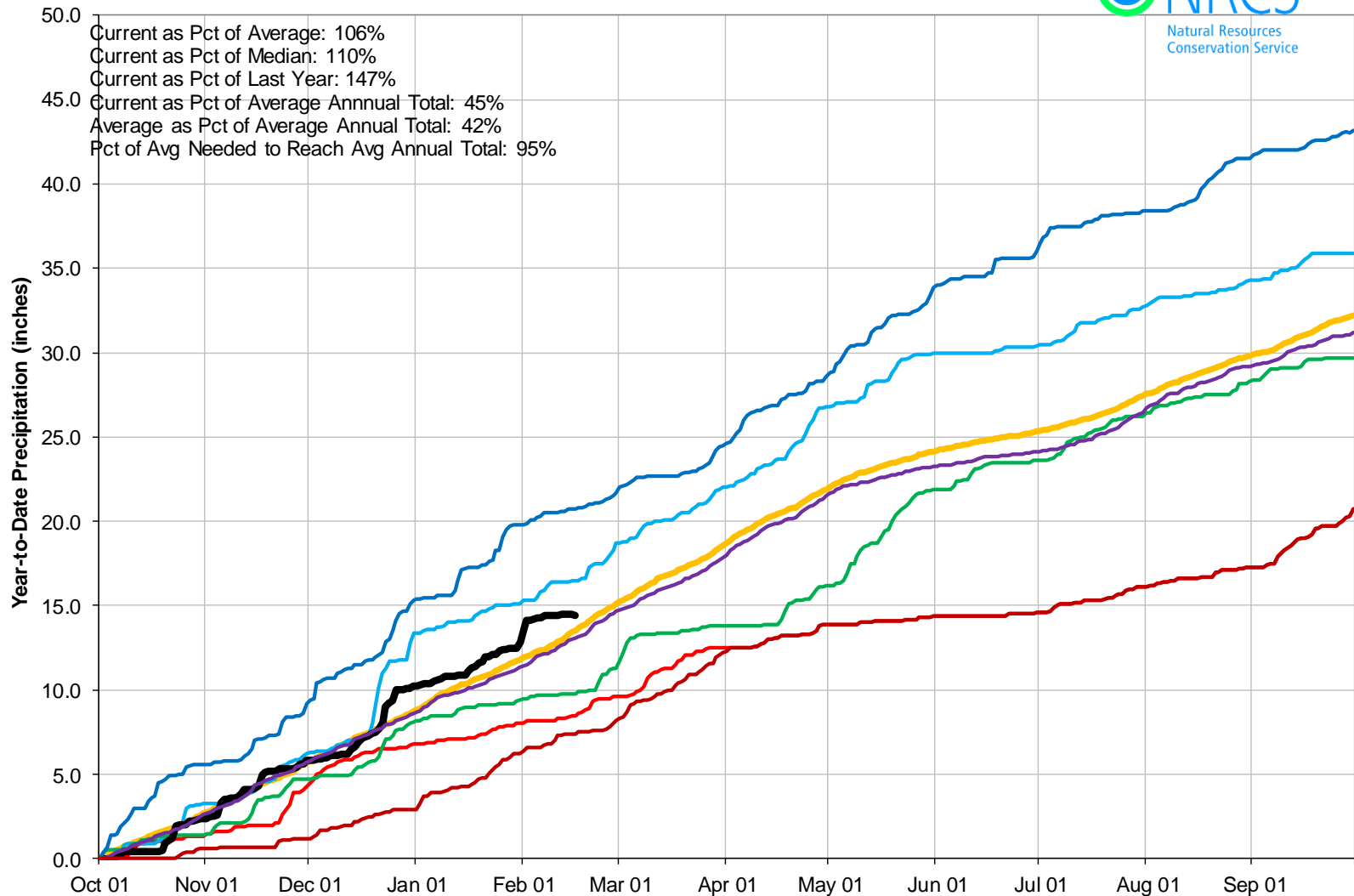
February to date PREC
60% of Average
January PREC
107% of Average

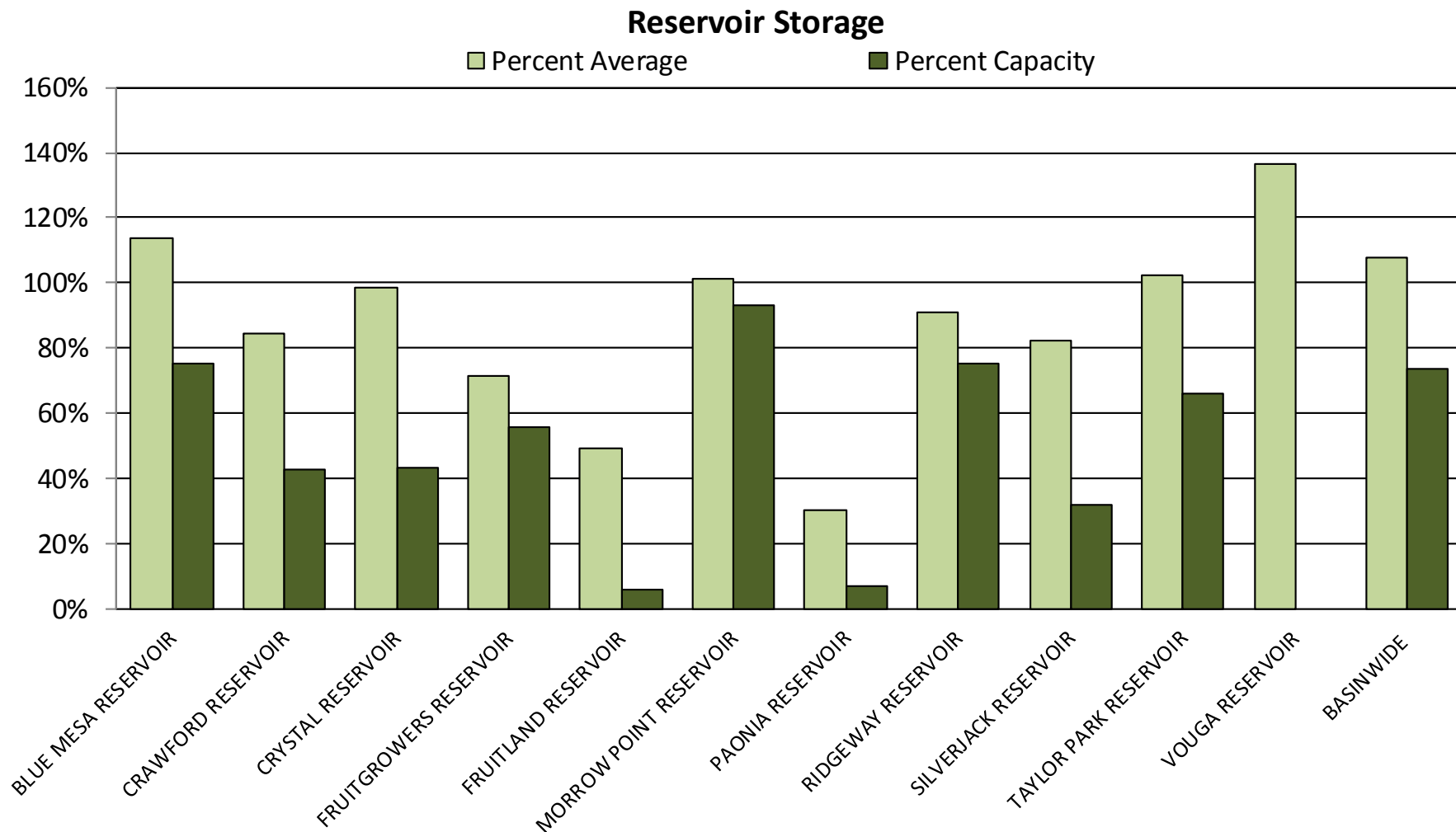




Gunnison River Basin High/Low Year-to-Date Precipitation Summary

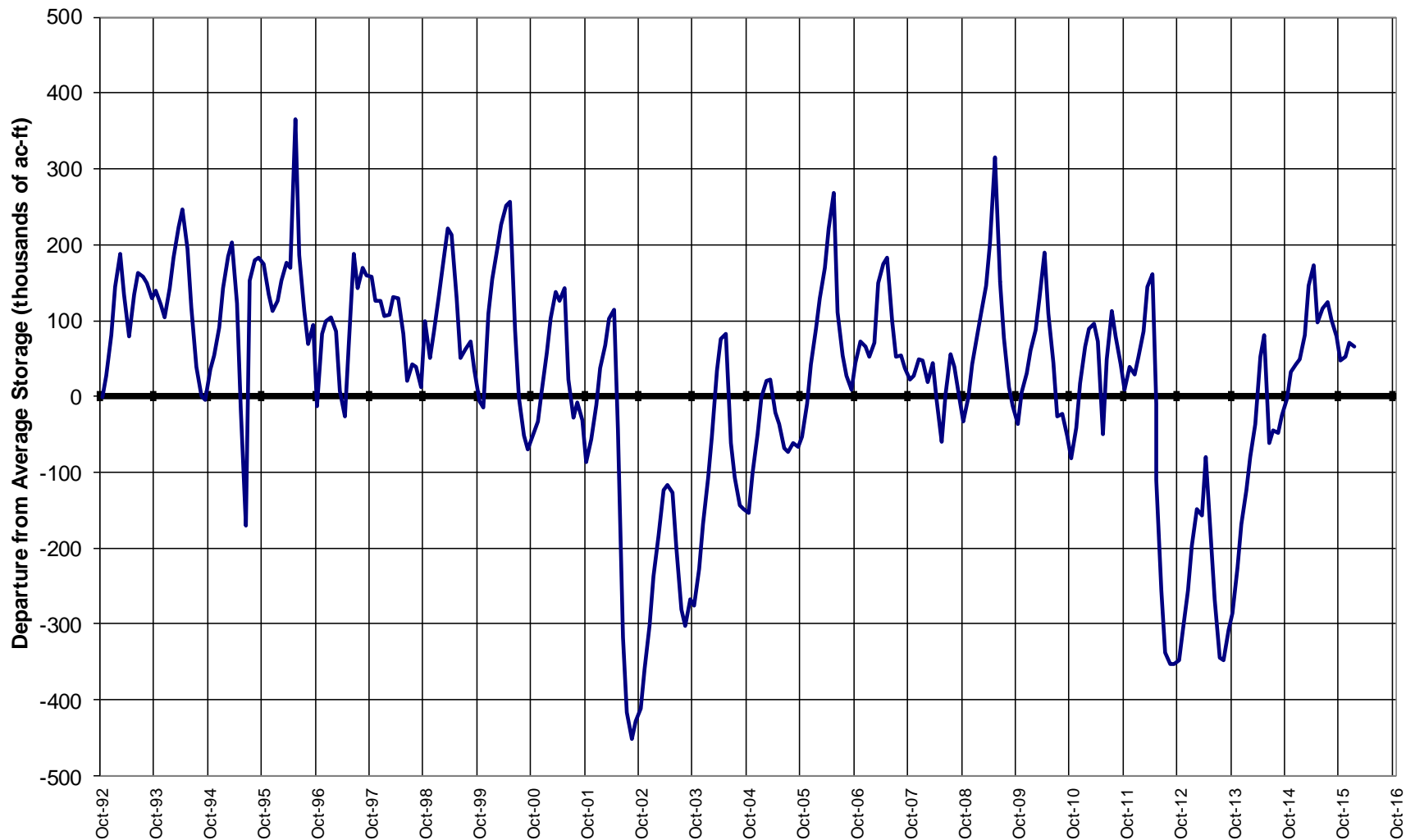
Based on Provisional SNOTEL data as of Feb 16, 2016





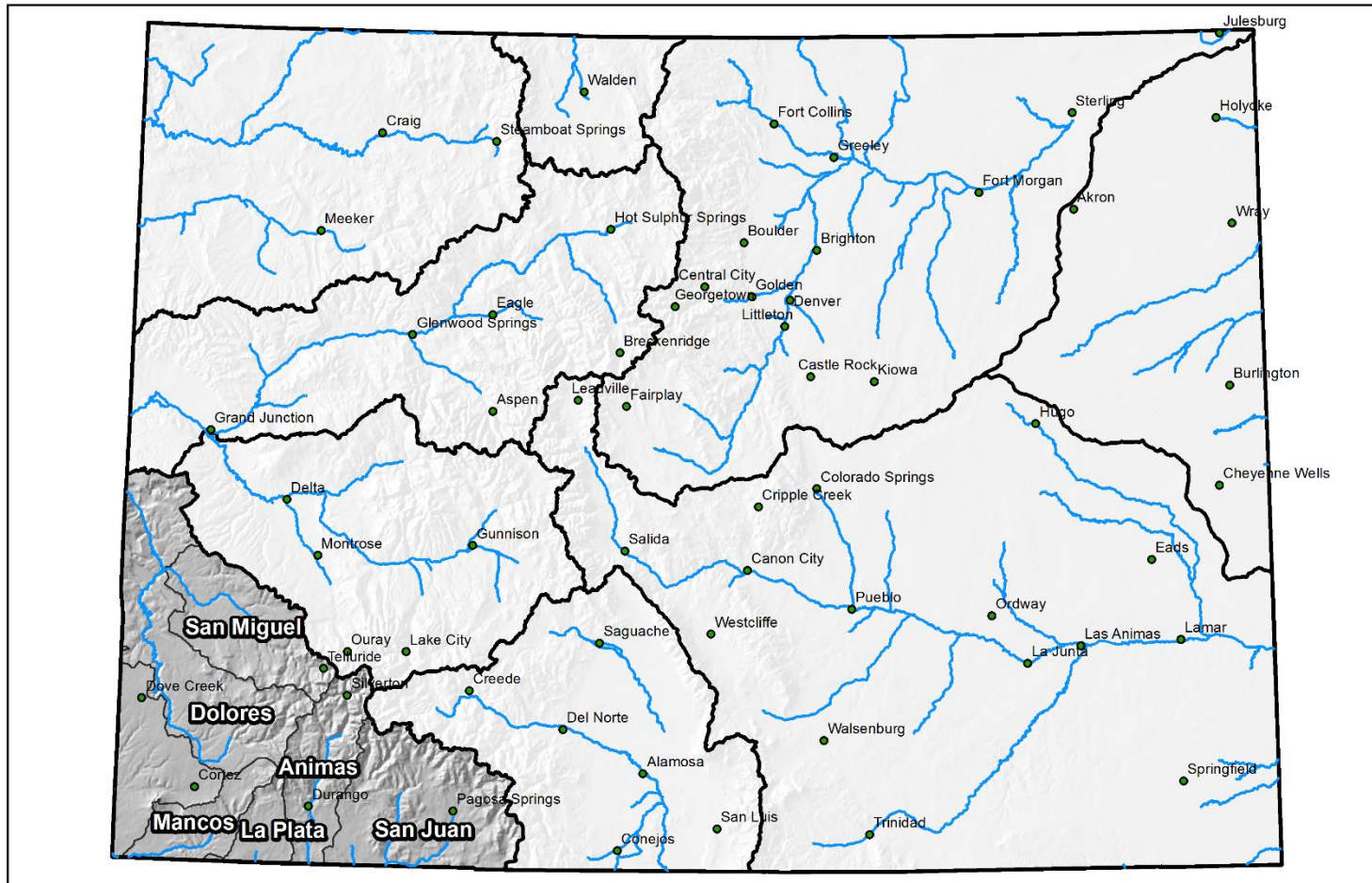


GUNNISON RIVER BASIN Reservoir Storage Departure from Average



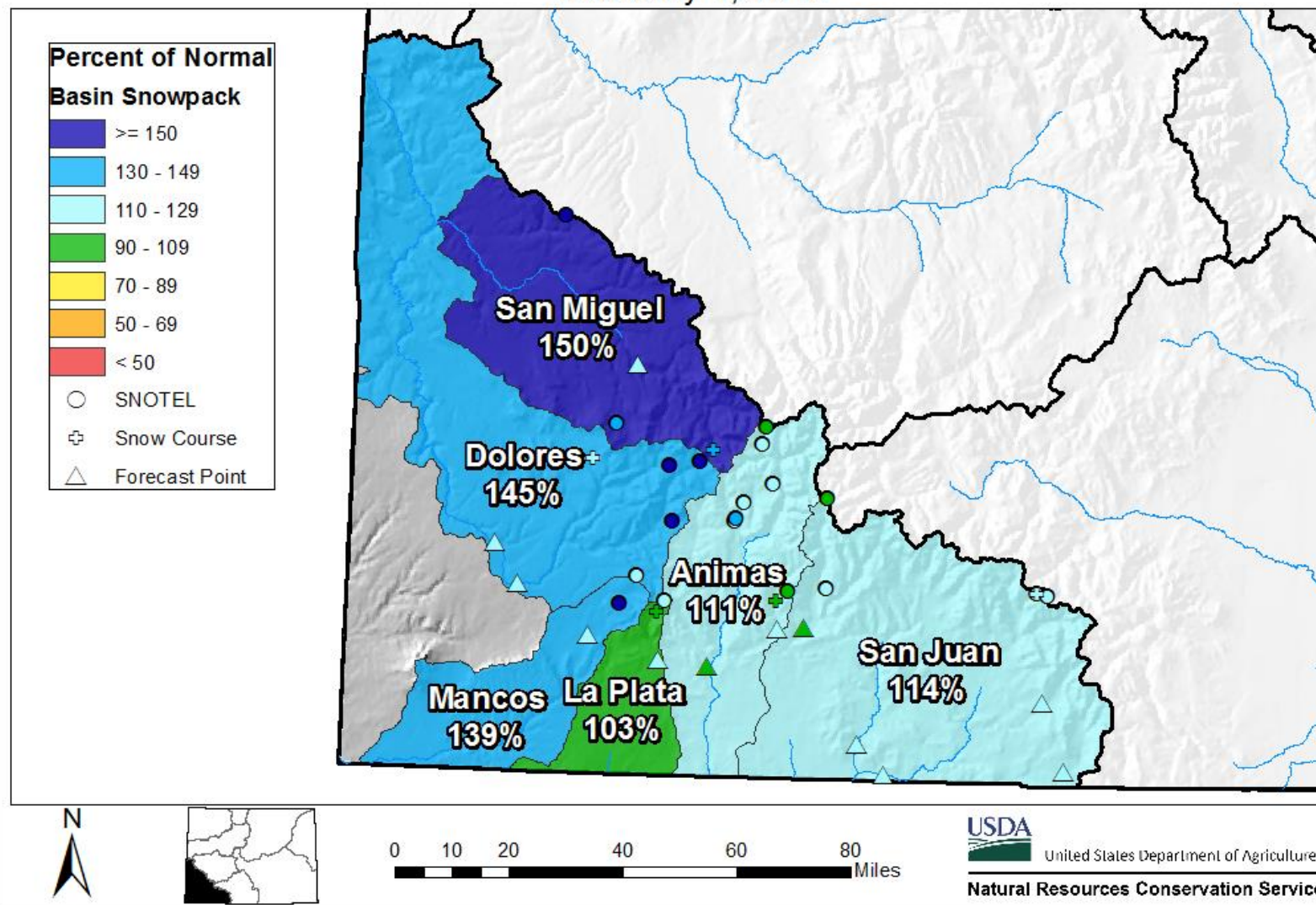
Major Basin Summary

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



0 25 50 100 150 200 Miles

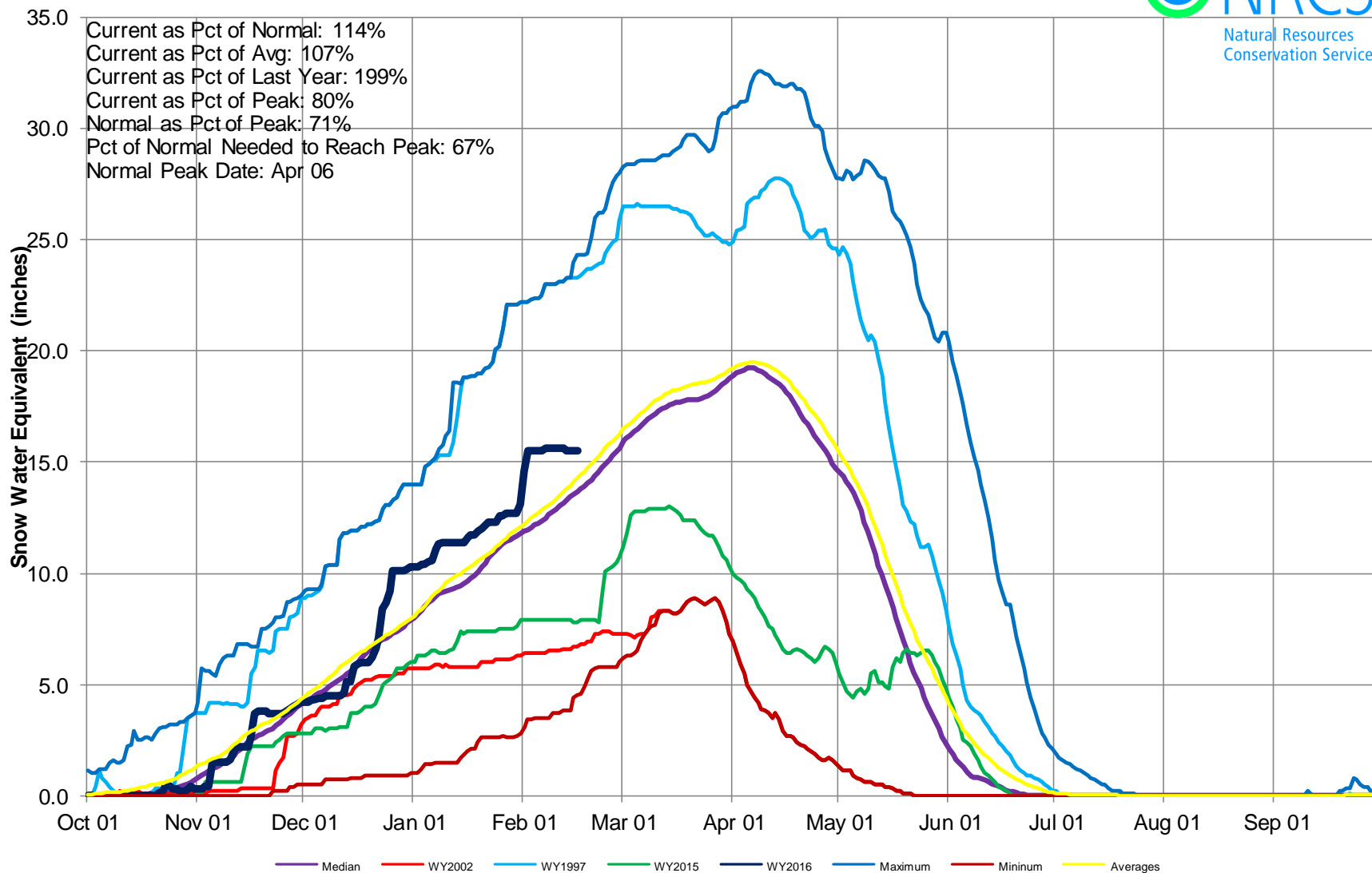
San Miguel, Dolores, Animas, and San Juan River Basins Snowpack and Streamflow Forecasts February 1, 2016





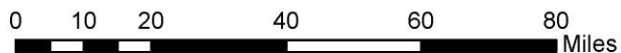
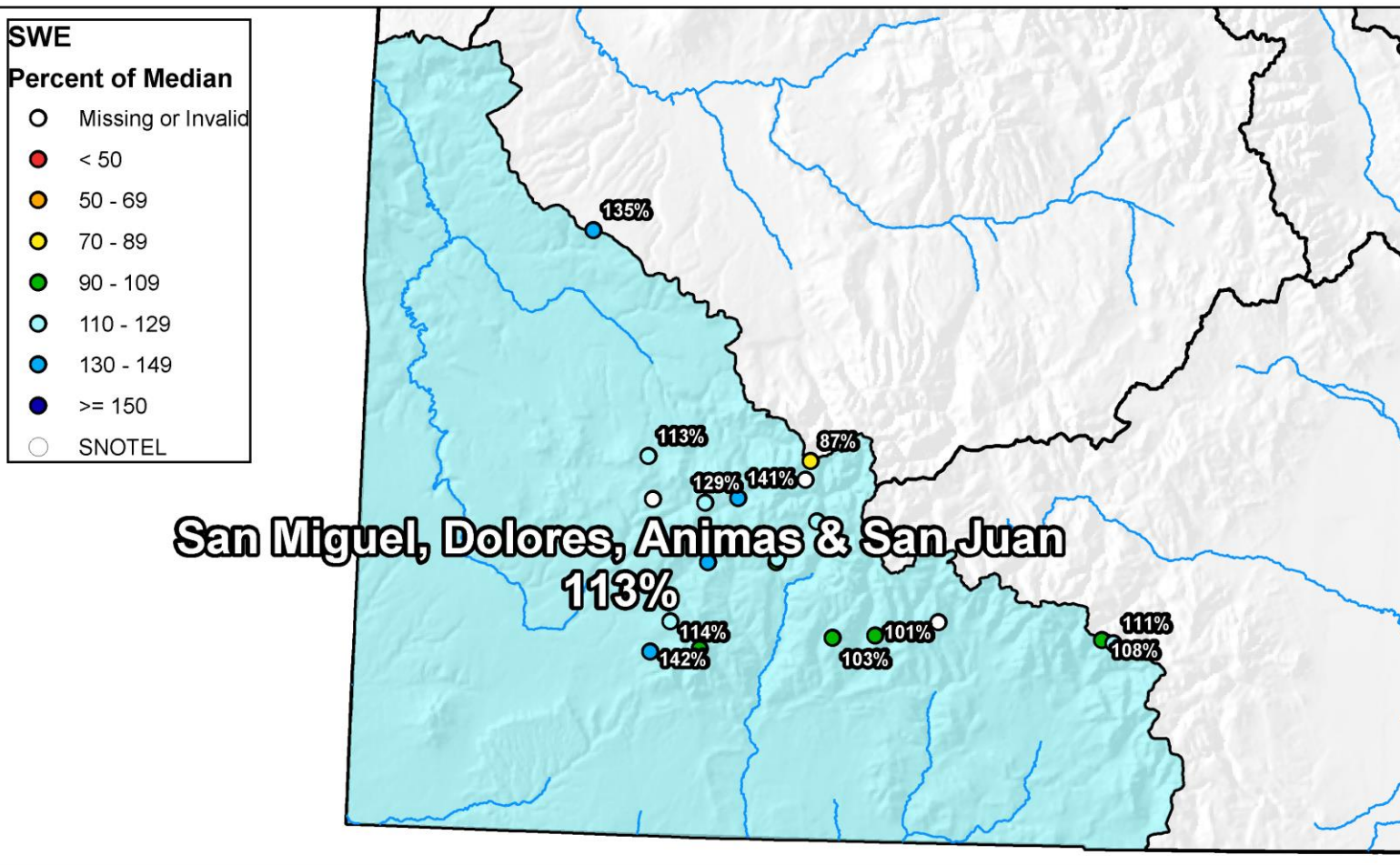
San Miguel, Dolores, Animas and San Juan River Basins High/Low Snowpack Summary

Based on Provisional SNOTEL data as of Feb 16, 2016

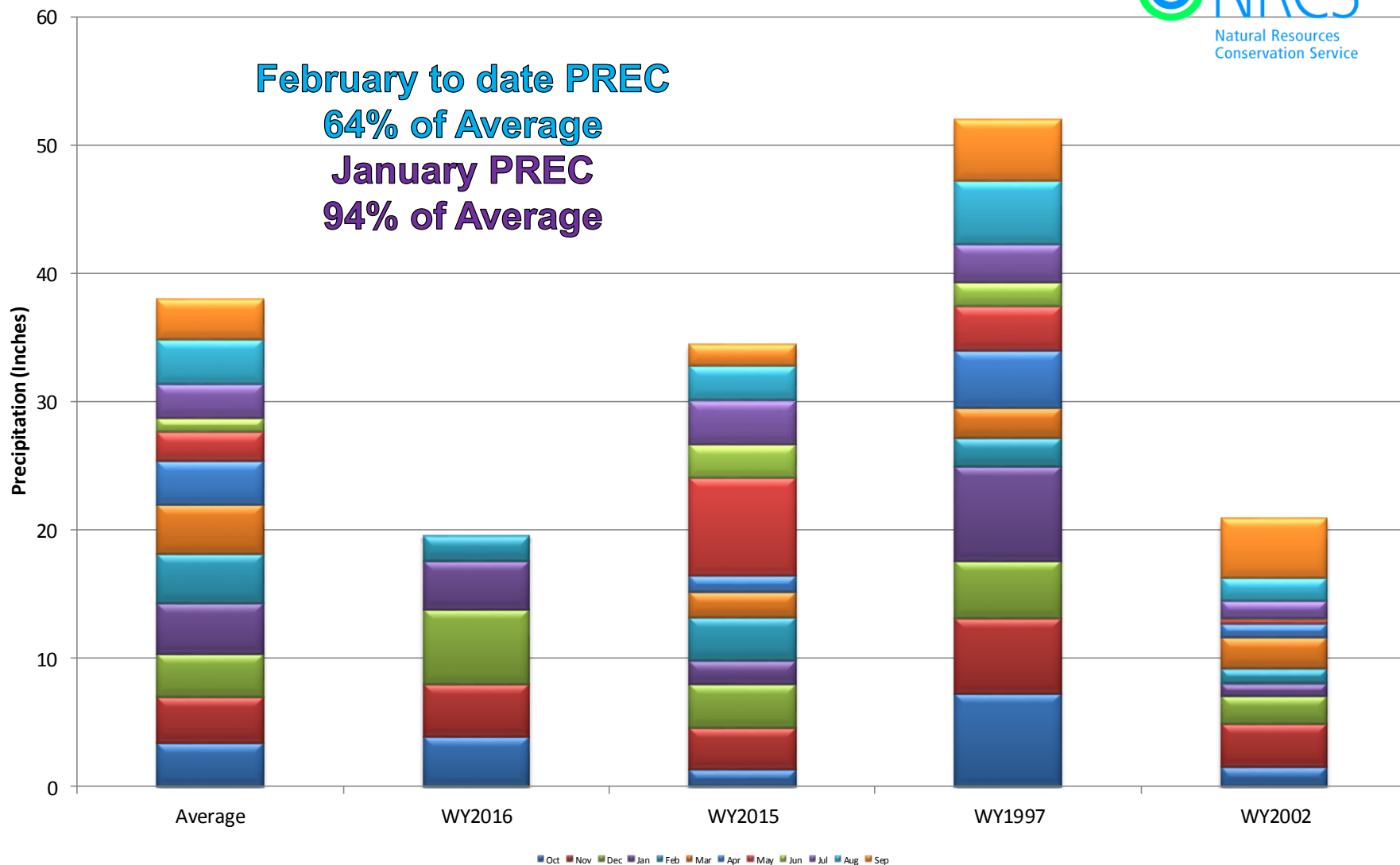


San Miguel, Dolores, Animas, and San Juan River Basins Snow Water Equivalent (SWE) Summary

Current as of Feb 17, 2016



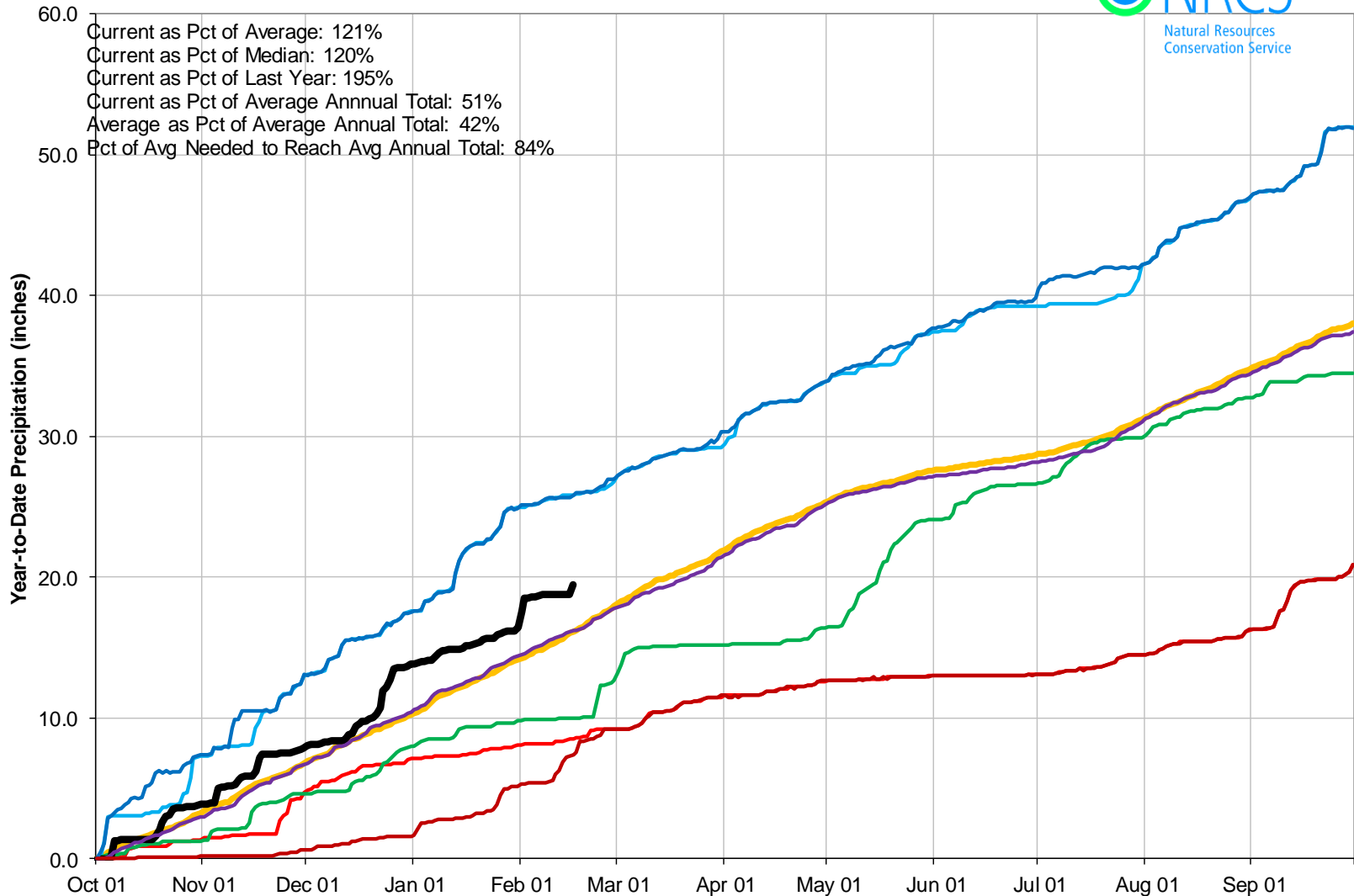
San Miguel, Dolores, Animas & San Juan River Basins High/Low Monthly Precipitation Summary

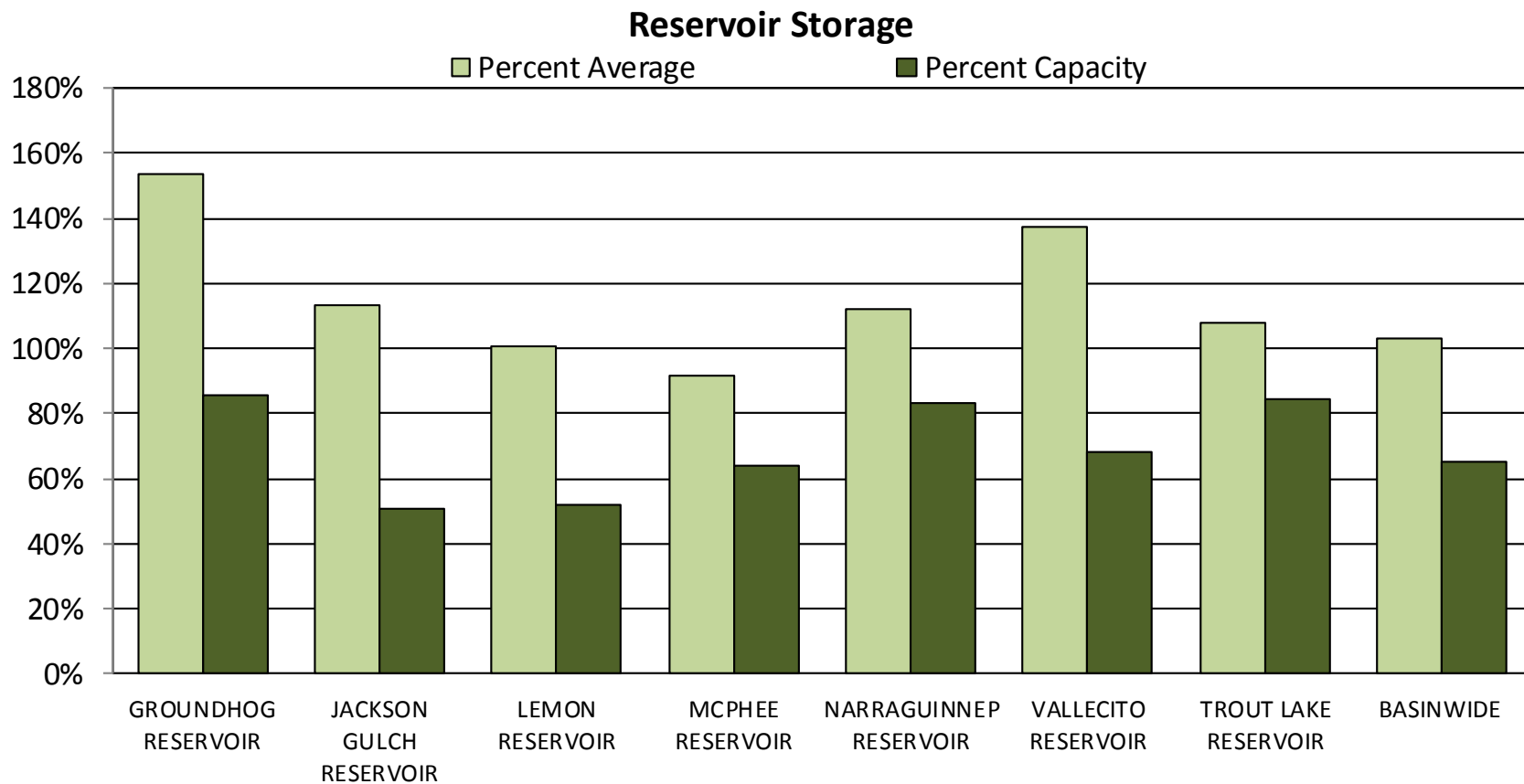




San Miguel, Dolores, Animas & San Juan River Basins High/Low Year-to-Date Precipitation Summary

Based on Provisional SNOTEL data as of Feb 16, 2016

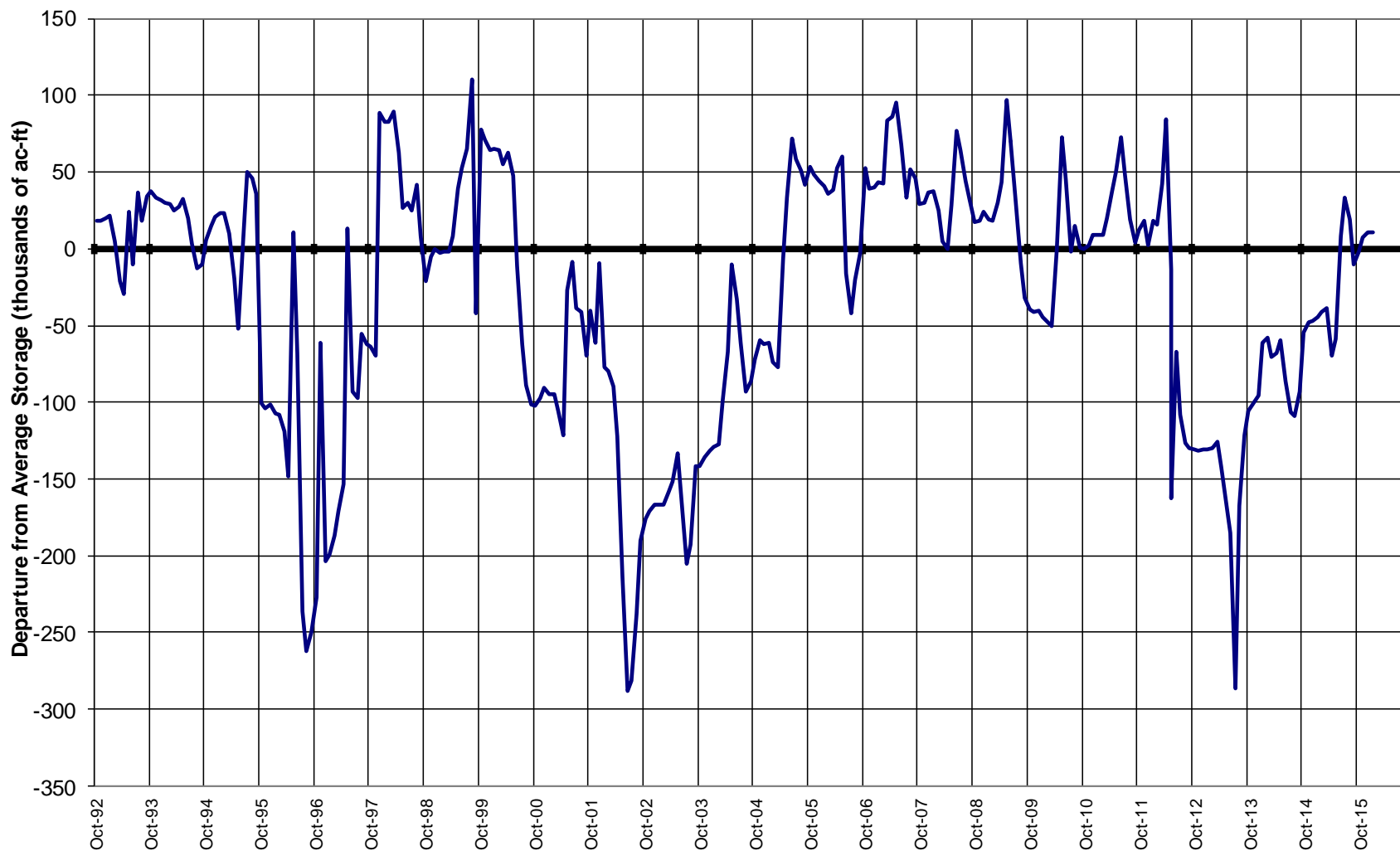






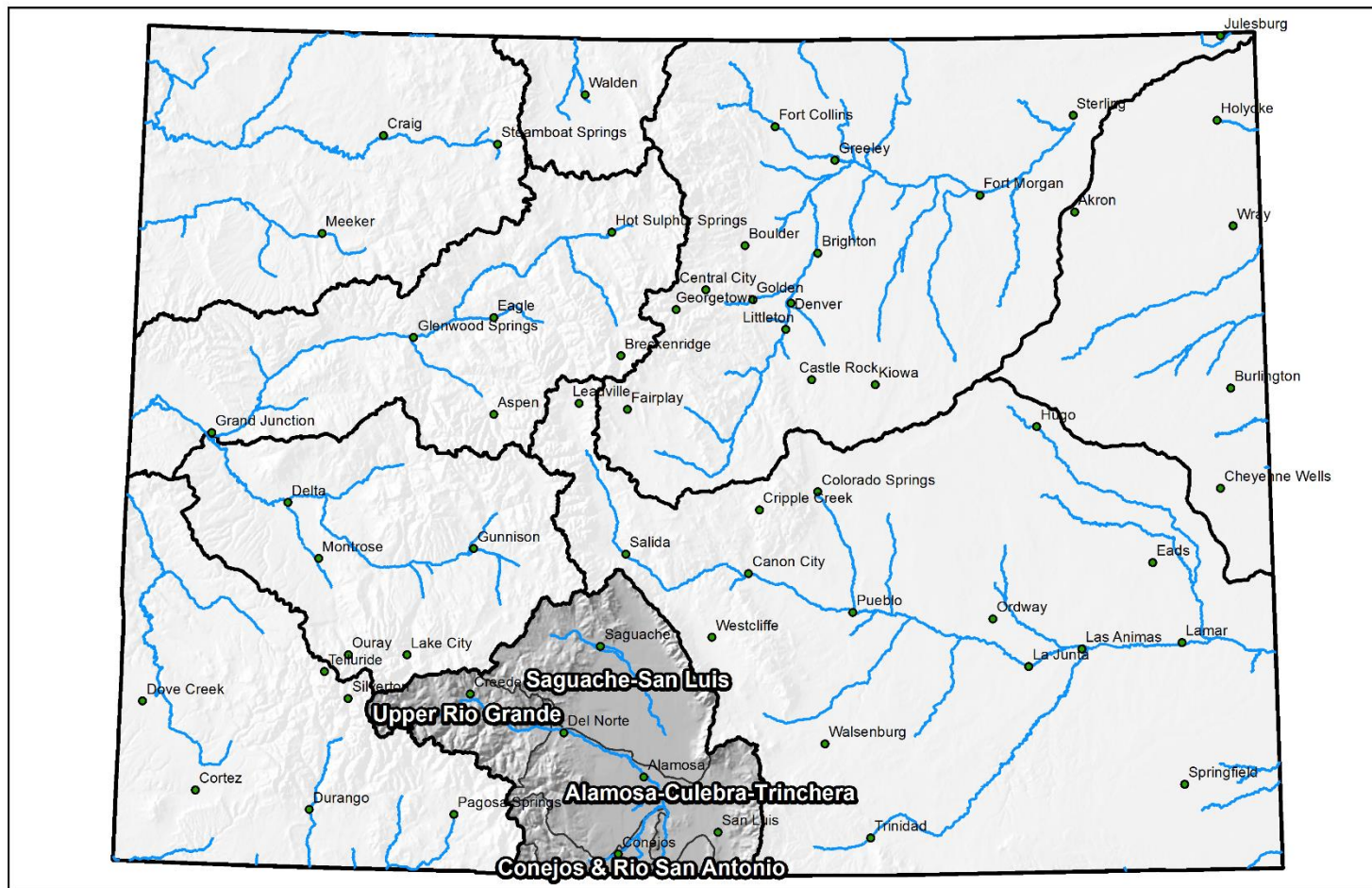
SAN MIGUEL, DOLORES, ANIMAS AND SAN JUAN RIVER BASINS

Reservoir Storage
Departure from Average



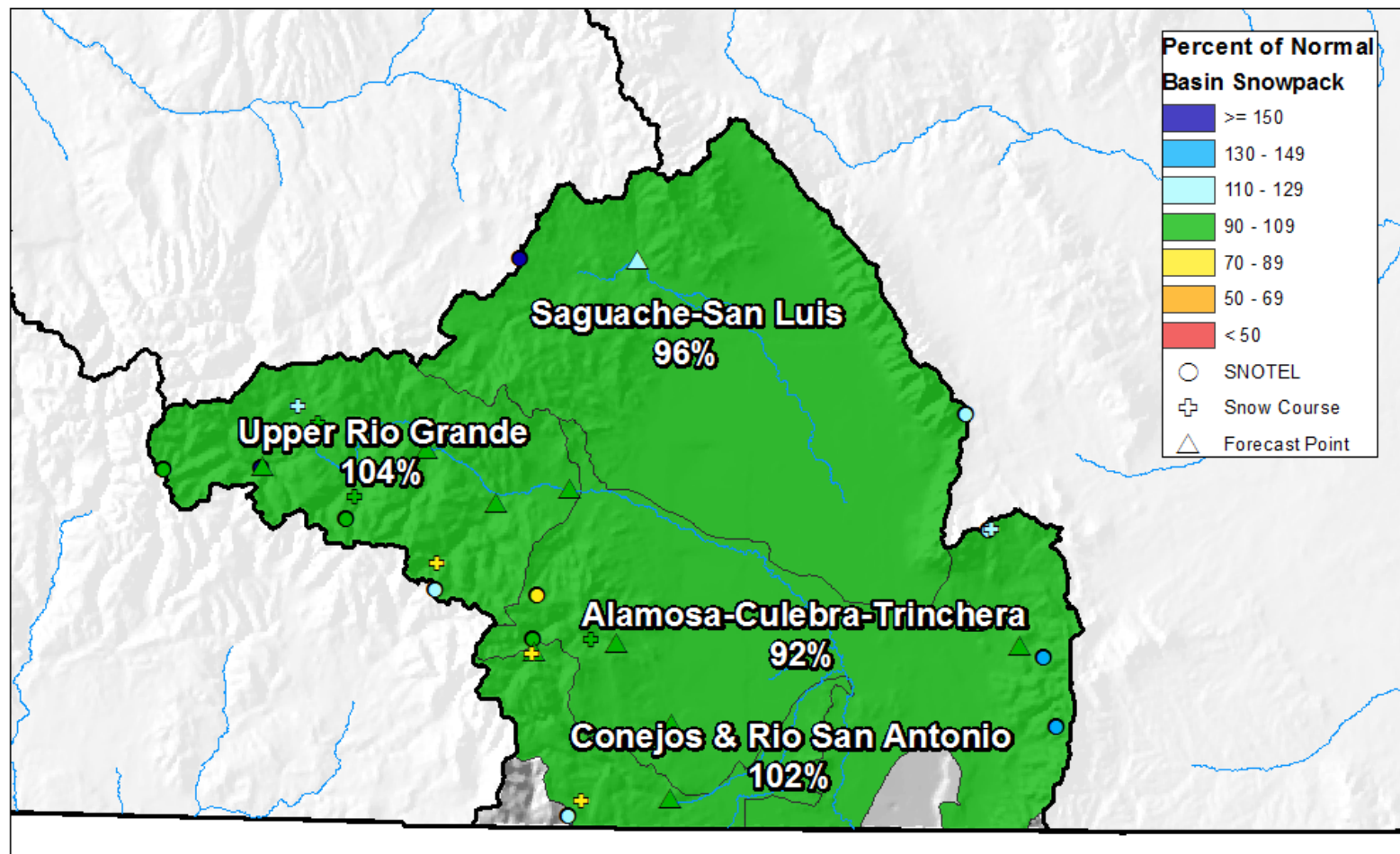
Major Basin Summary

Upper Rio Grande River Basin



0 25 50 100 150 200 Miles

Upper Rio Grande River Basin Snowpack and Streamflow Forecasts February 1, 2016




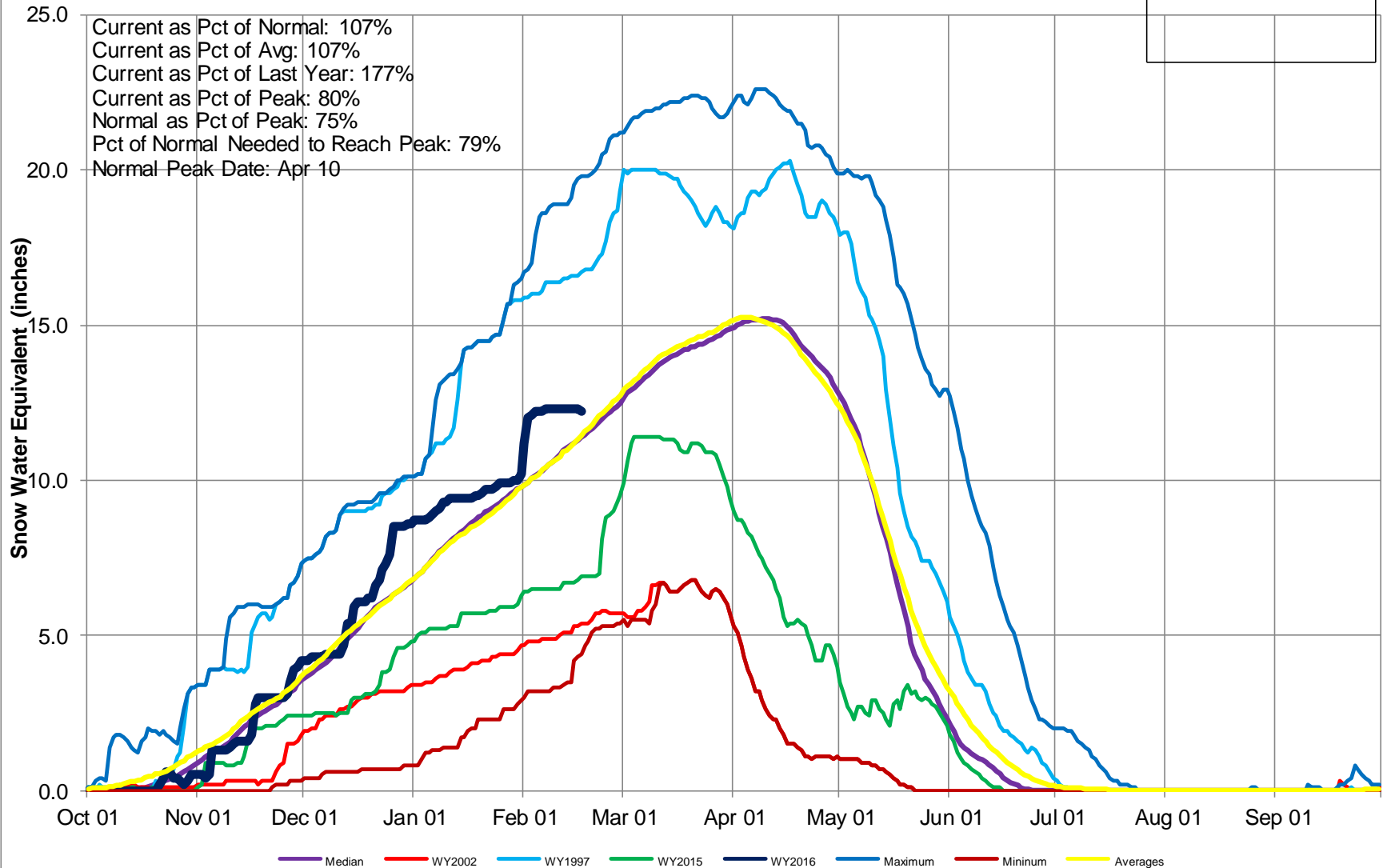
0 10 20 40 60 80 Miles



Upper Rio Grande Basin High/Low Snowpack Summary

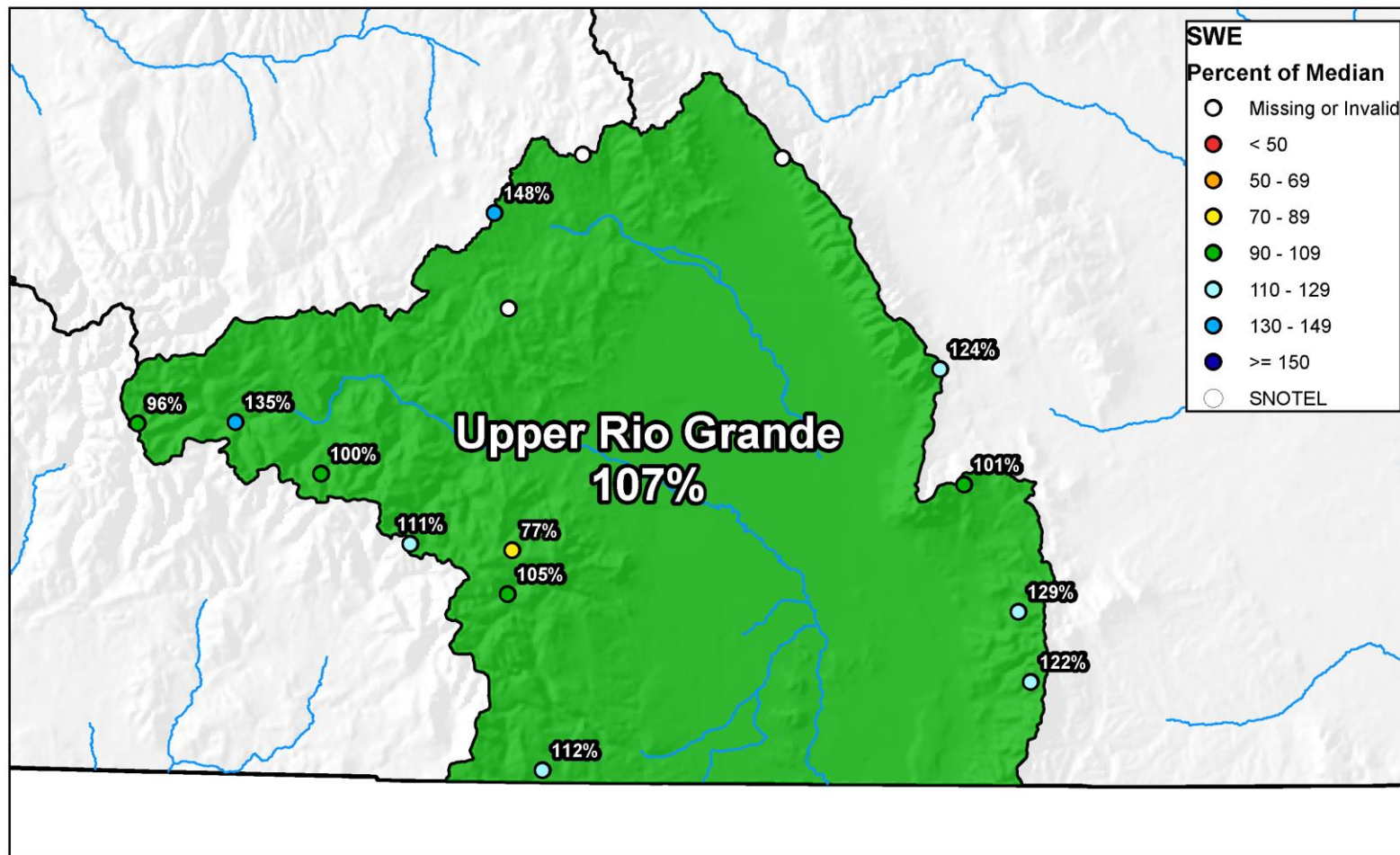
Based on Provisional SNOTEL data as of Feb 17, 2016

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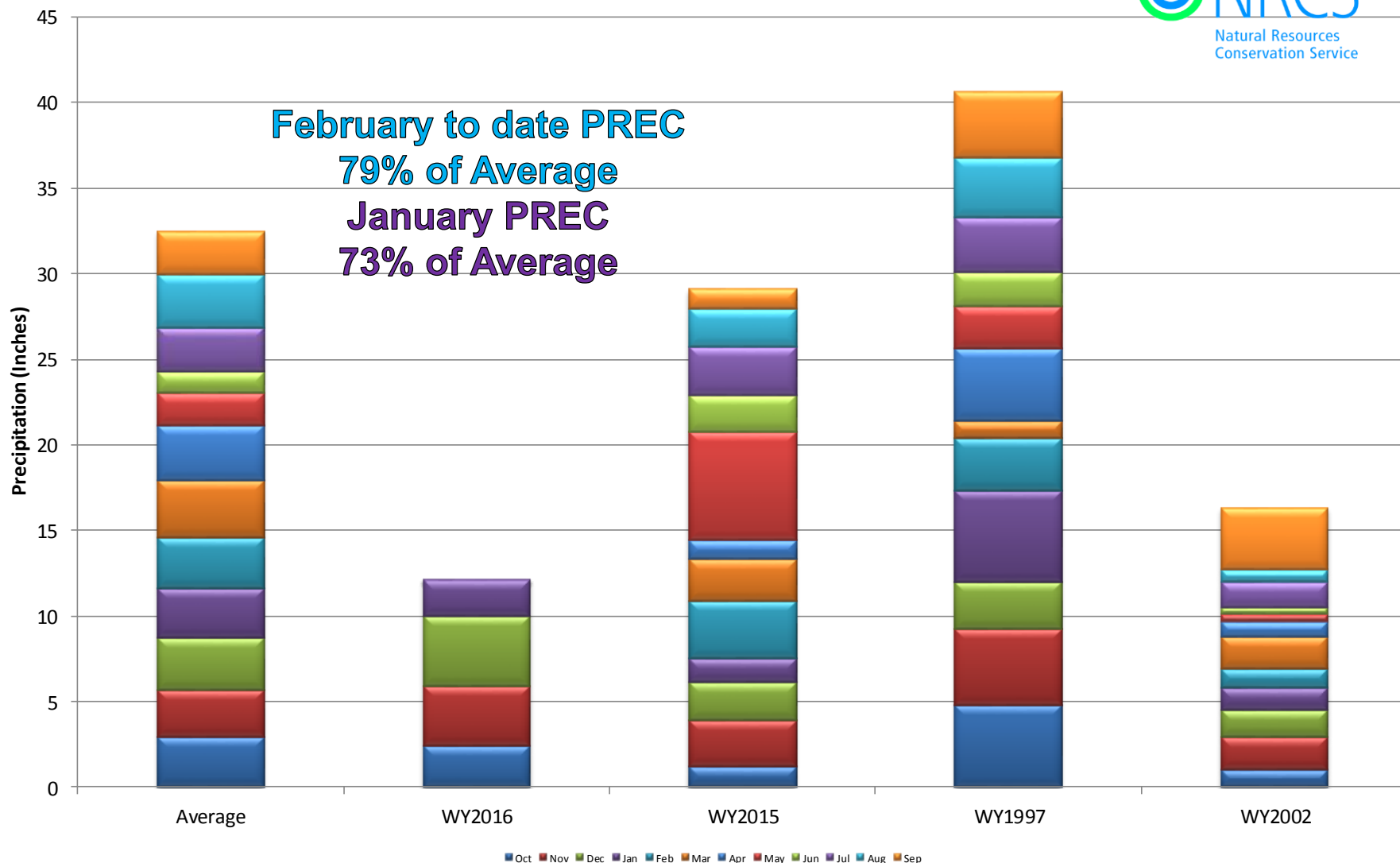
Upper Rio Grande River Basin Snow Water Equivalent (SWE) Summary

Current as of Feb 17, 2016



Upper Rio Grande Basin High/Low Monthly Precipitation Summary

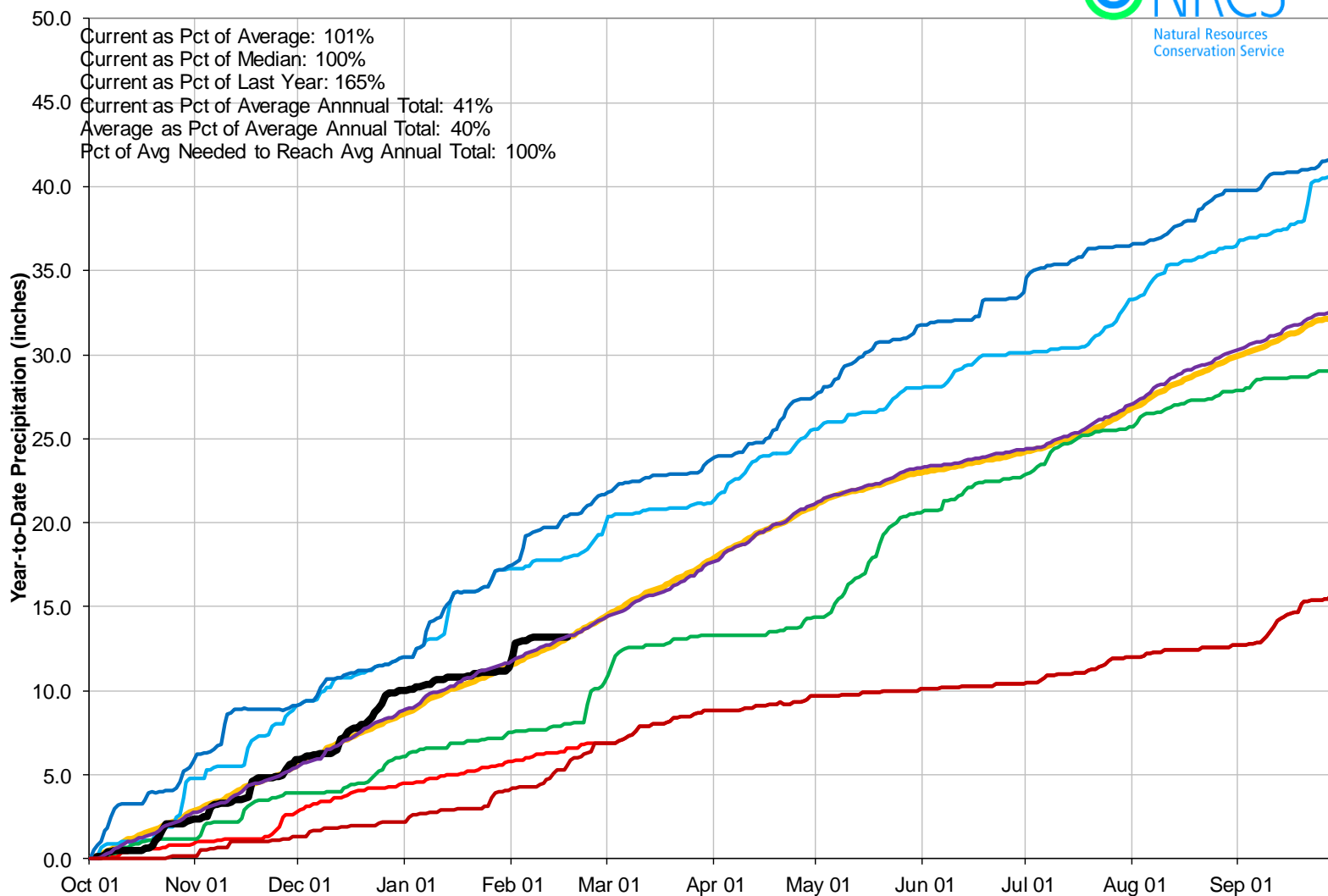
Based on Provisional SNOTEL data as of Feb 16, 2016



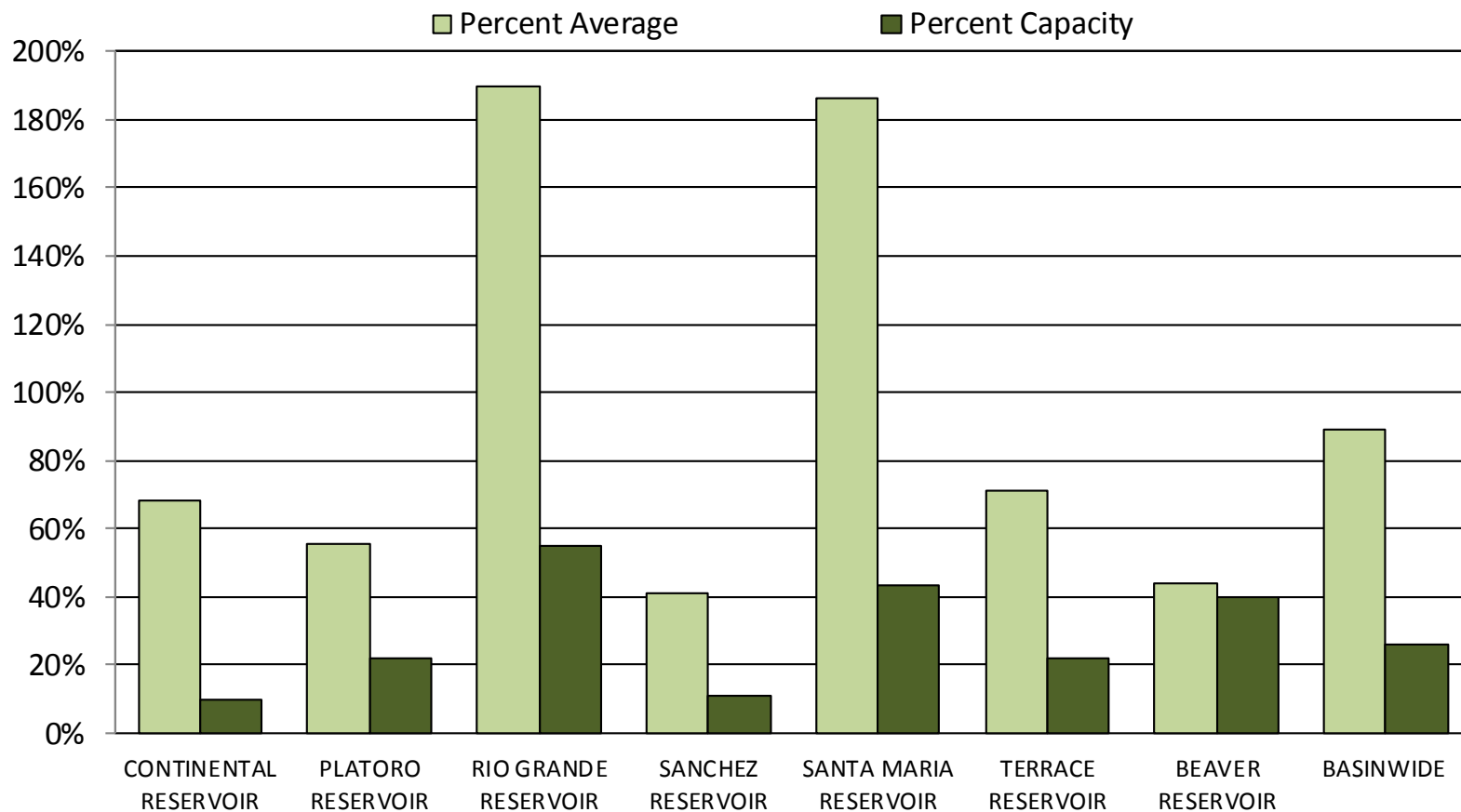


Upper Rio Grande Basin High/Low Year-to-Date Precipitation Summary

Based on Provisional SNOTEL data as of Feb 17, 2016

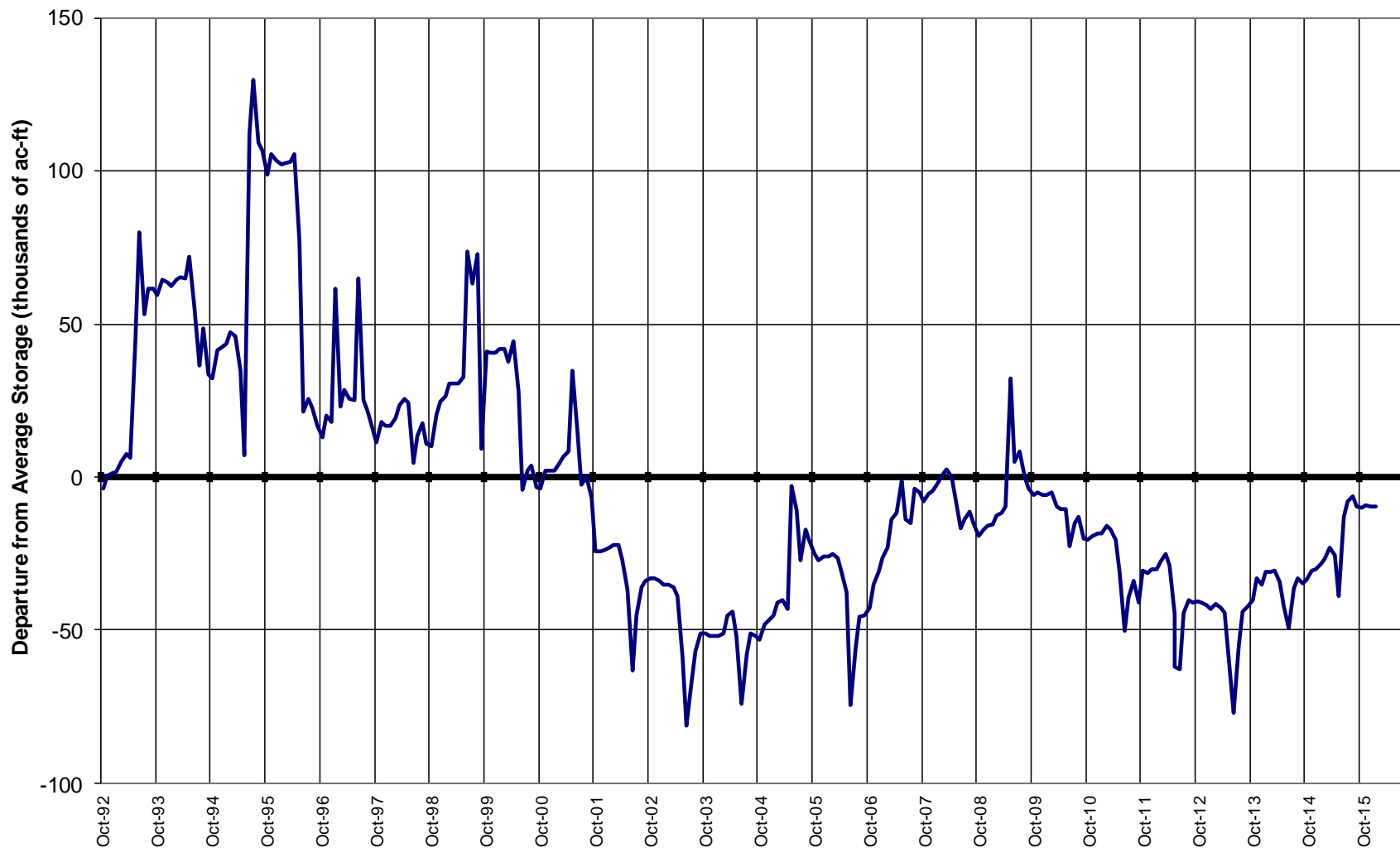


Reservoir Storage



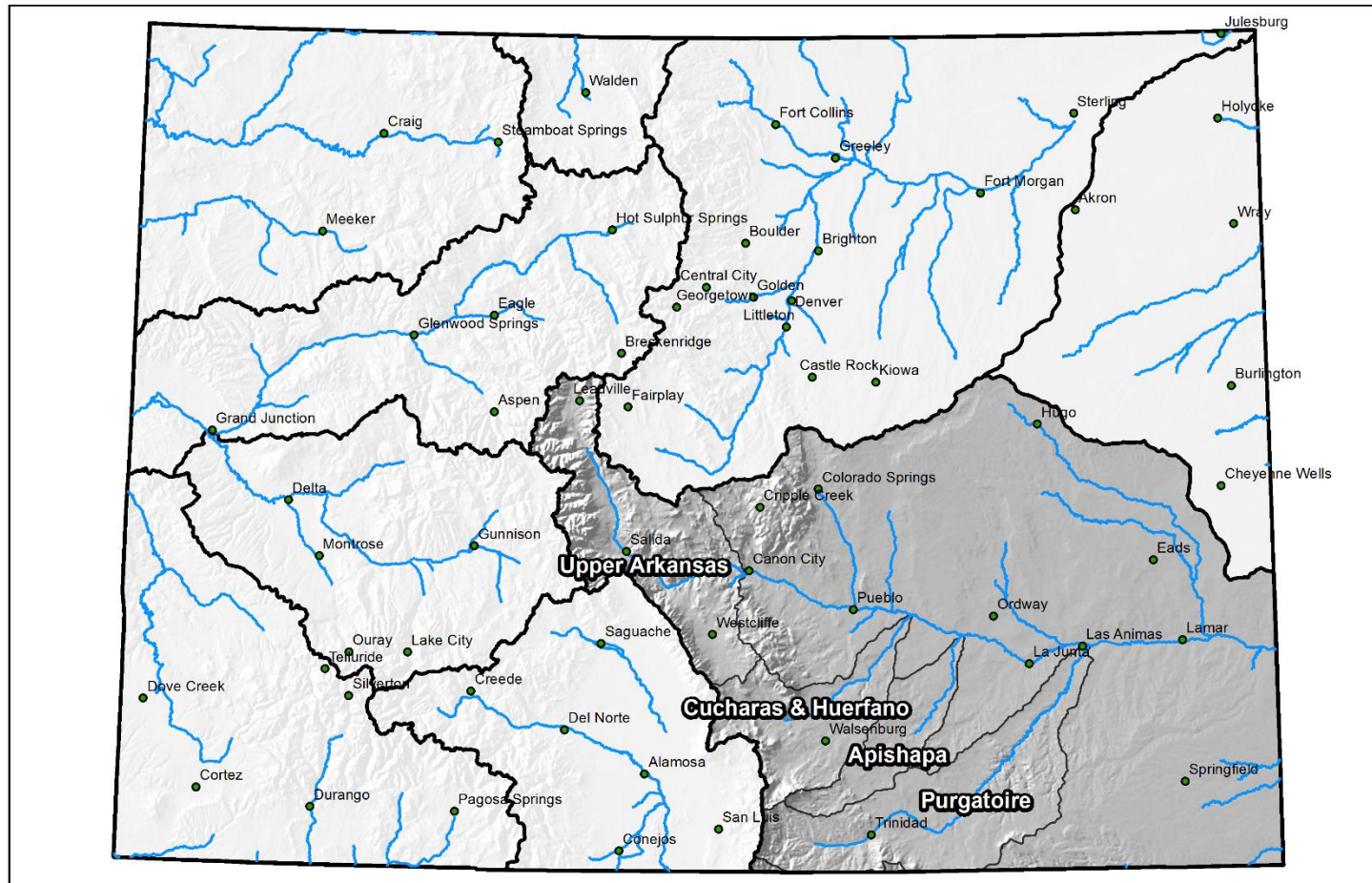
UPPER RIO GRANDE BASIN

Reservoir Storage Departure from Average



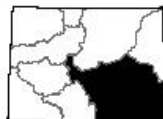
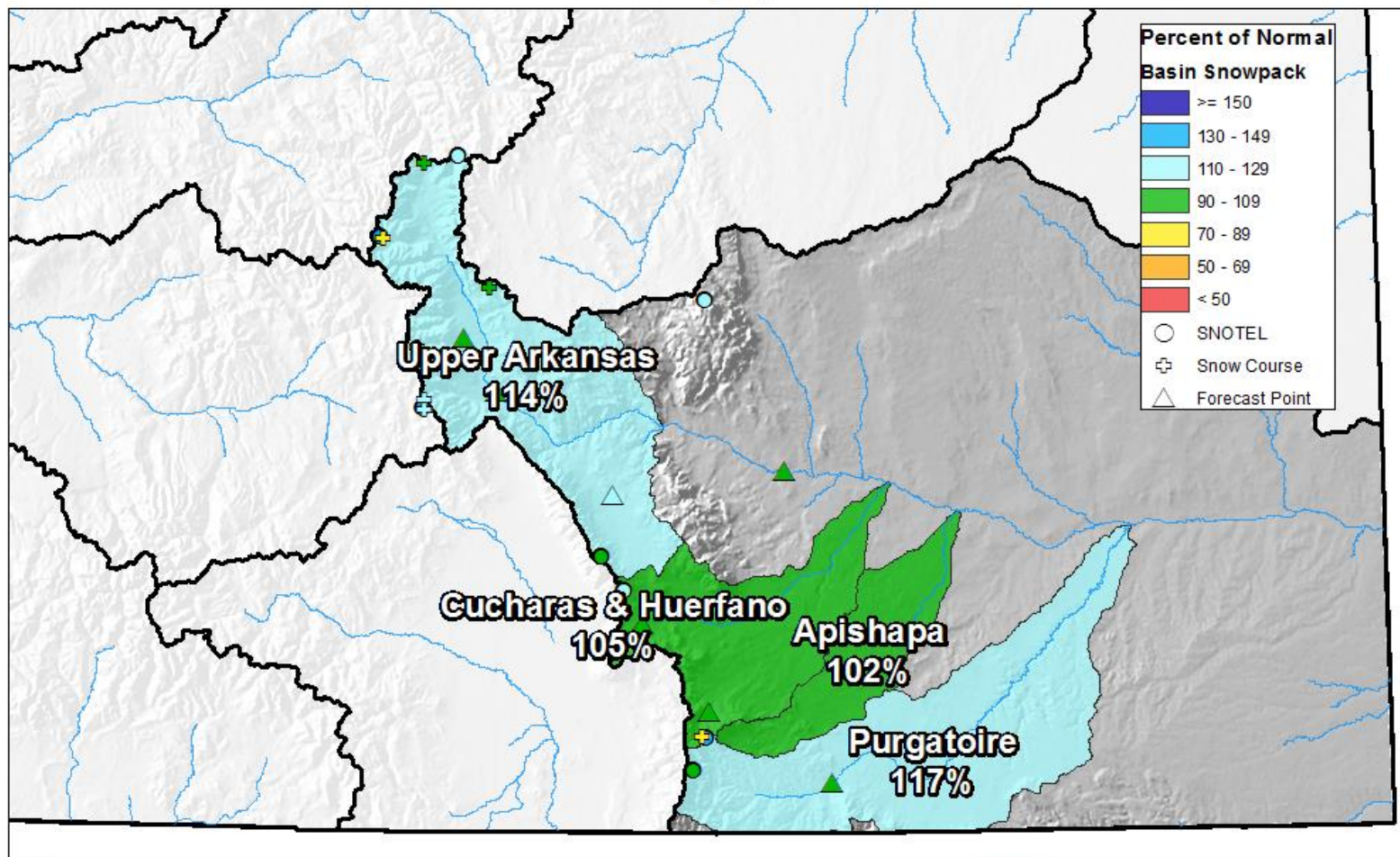
Major Basin Summary

Arkansas River Basin



0 25 50 100 150 200 Miles

Arkansas River Basin Snowpack and Streamflow Forecasts February 1, 2016

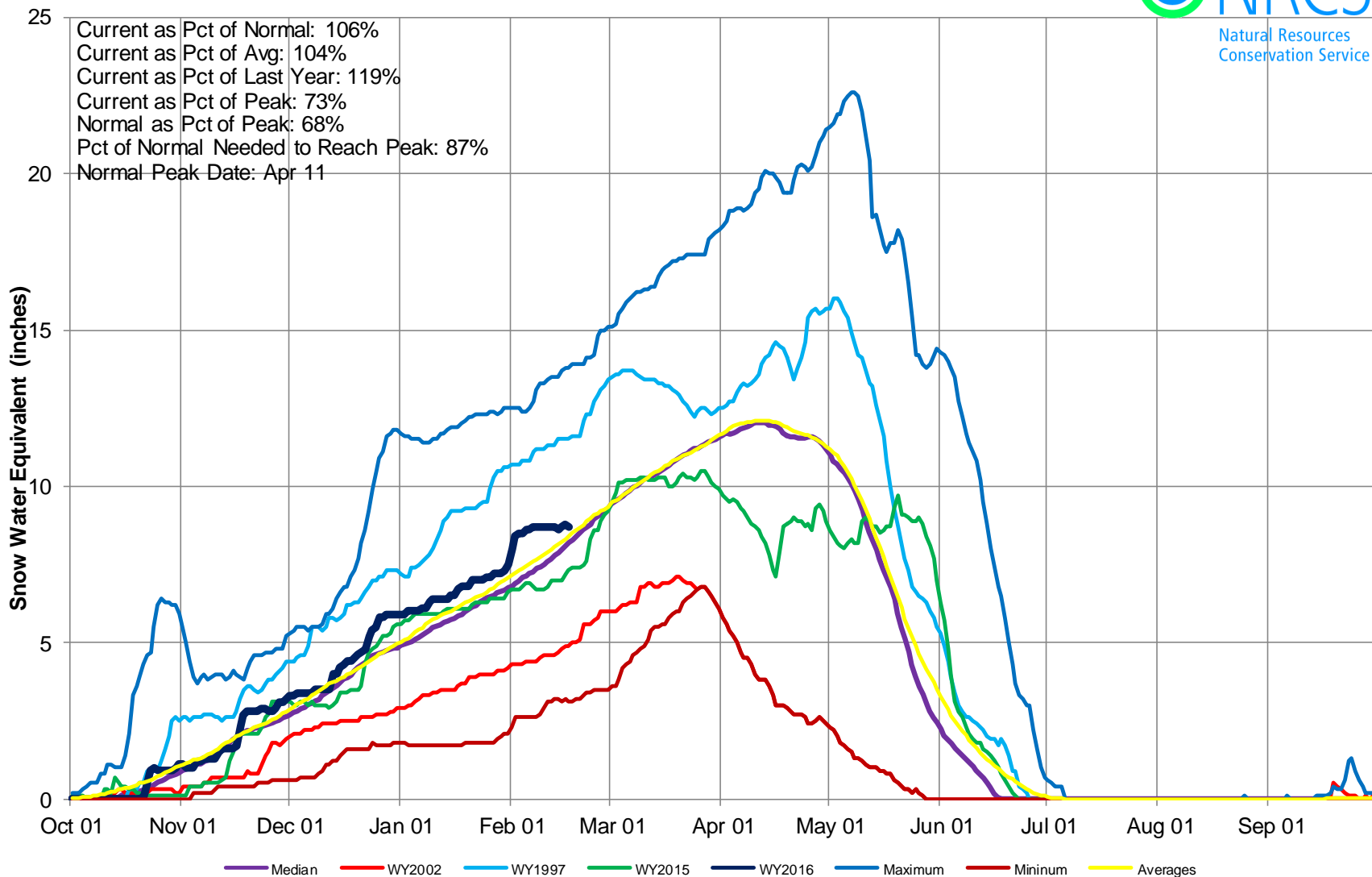


0 10 20 40 60 80 Miles



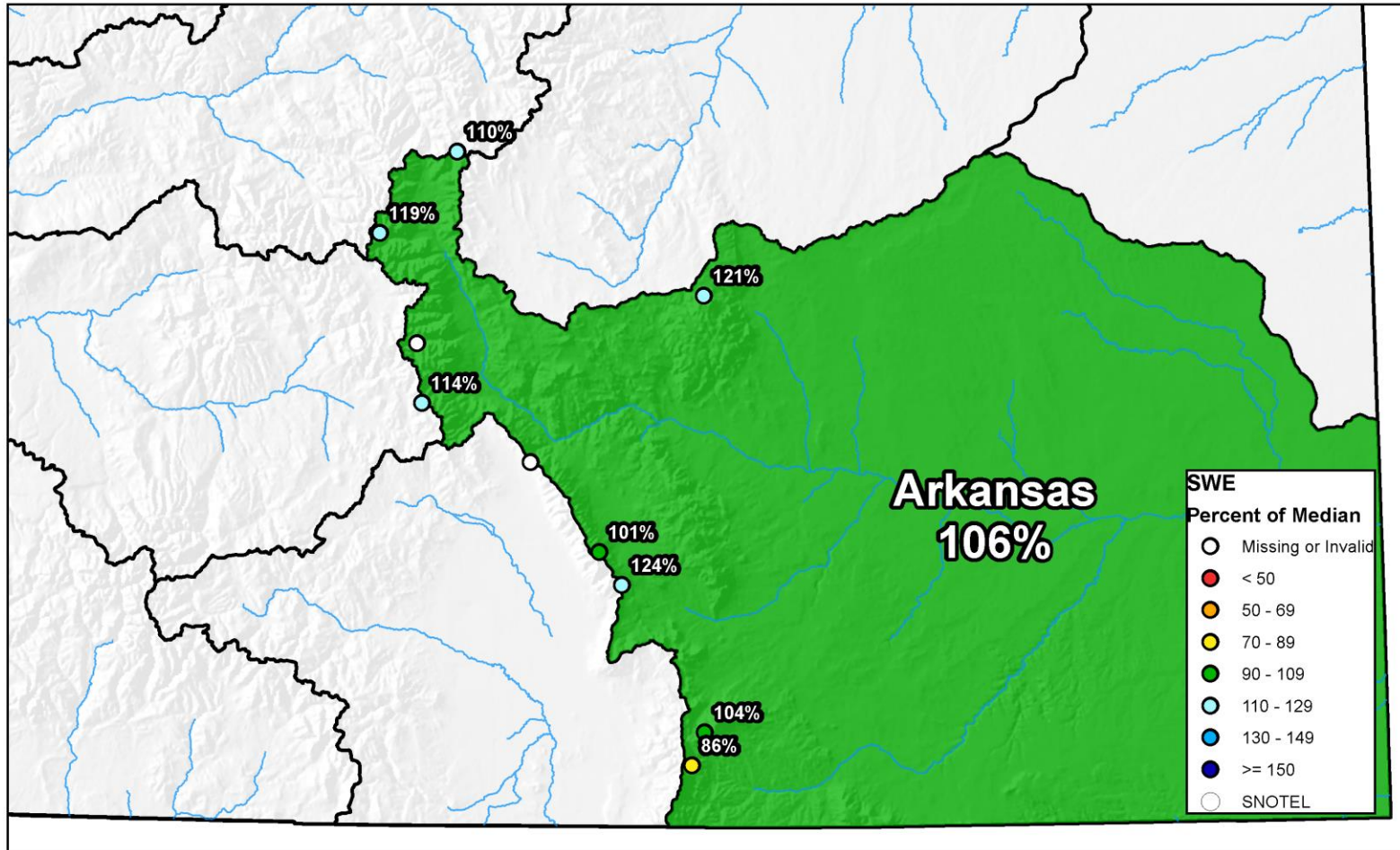
Arkansas River Basin High/Low Snowpack Summary

Based on Provisional SNOTEL data as of Feb 17, 2016



Arkansas River Basin Snow Water Equivalent (SWE) Summary

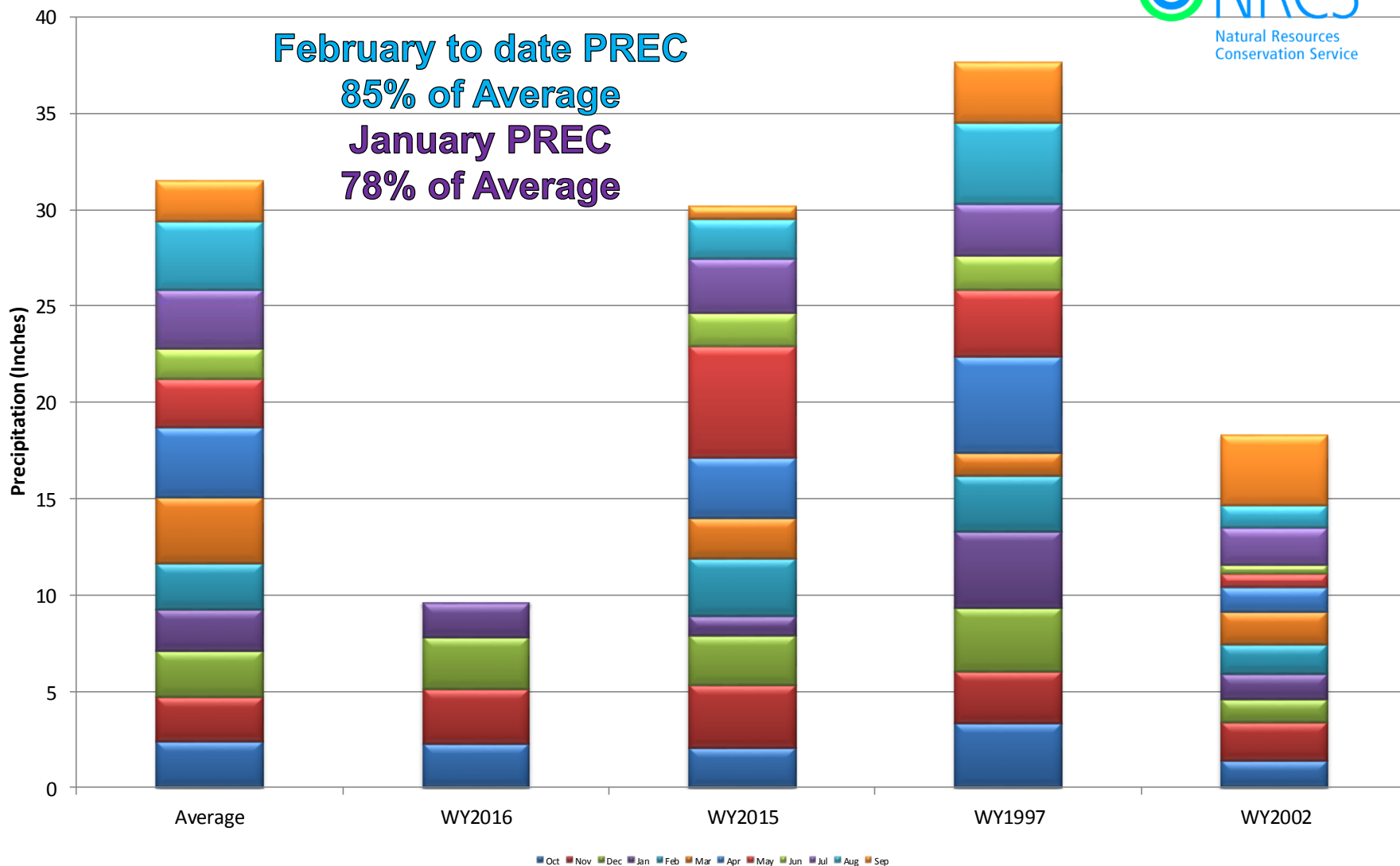
Current as of Feb 17, 2016



0 10 20 40 60 80 Miles

Arkansas River Basin High/Low Monthly Precipitation Summary

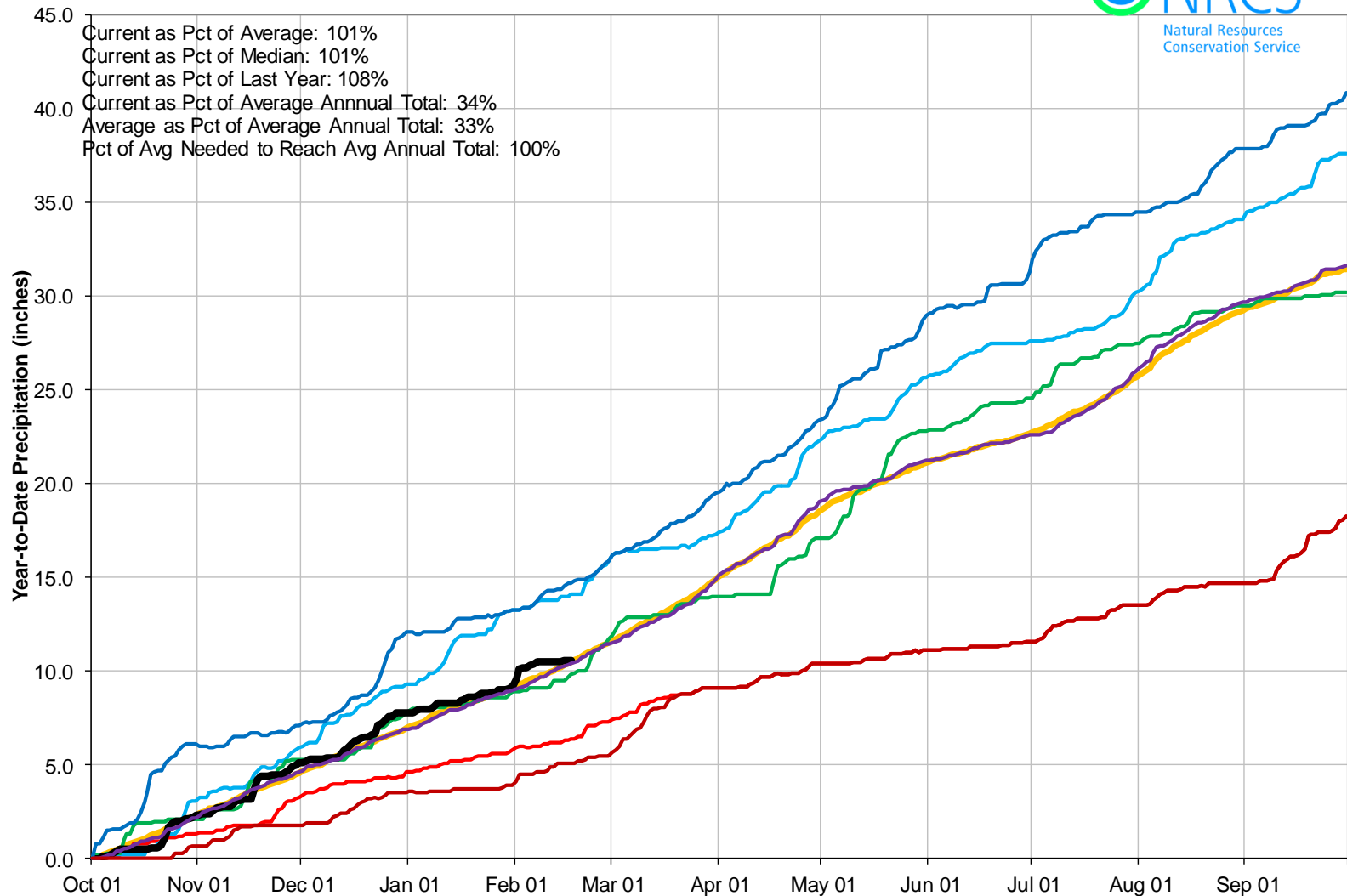
Based on Provisional SNOTEL data as of Feb 16, 2016

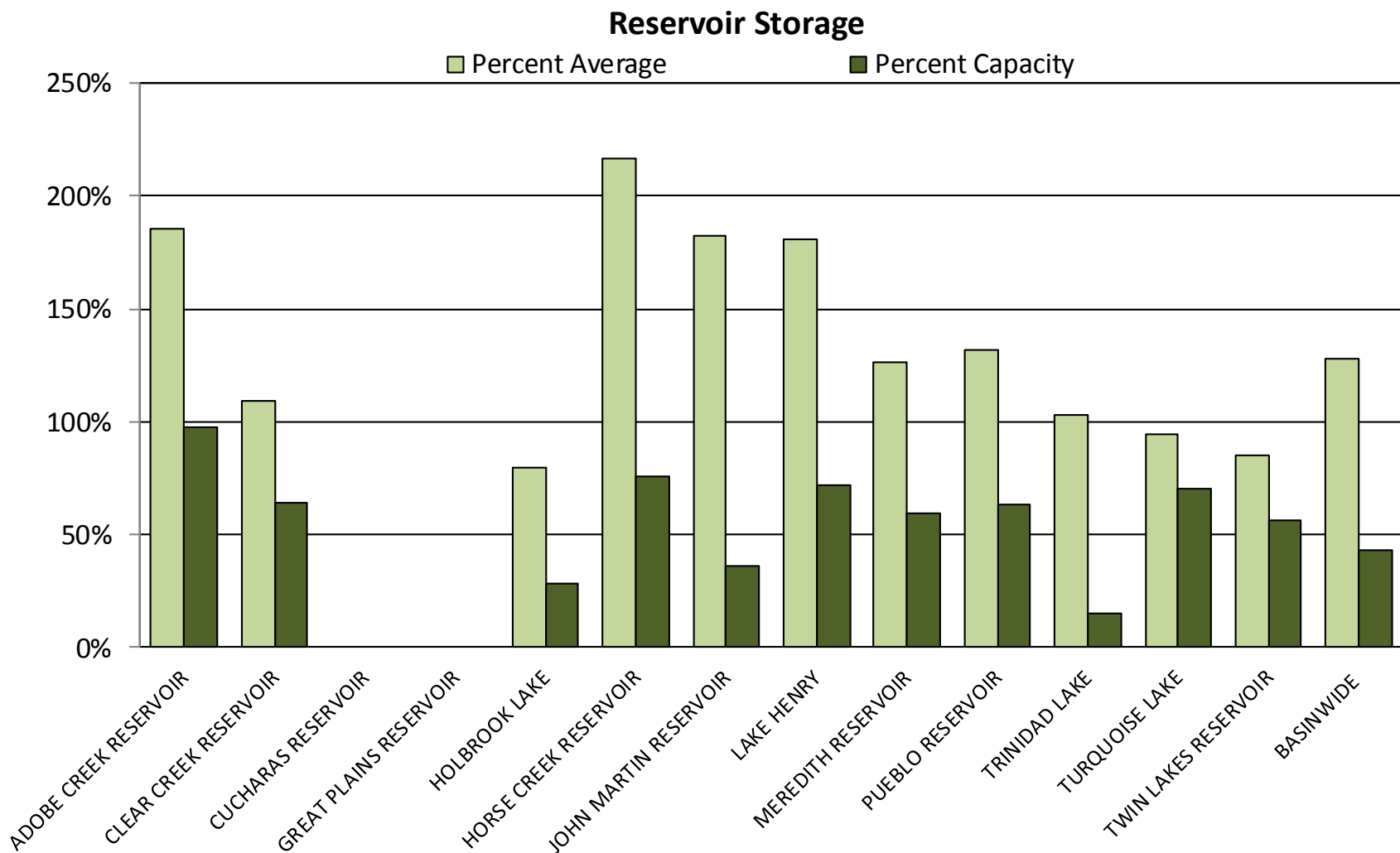




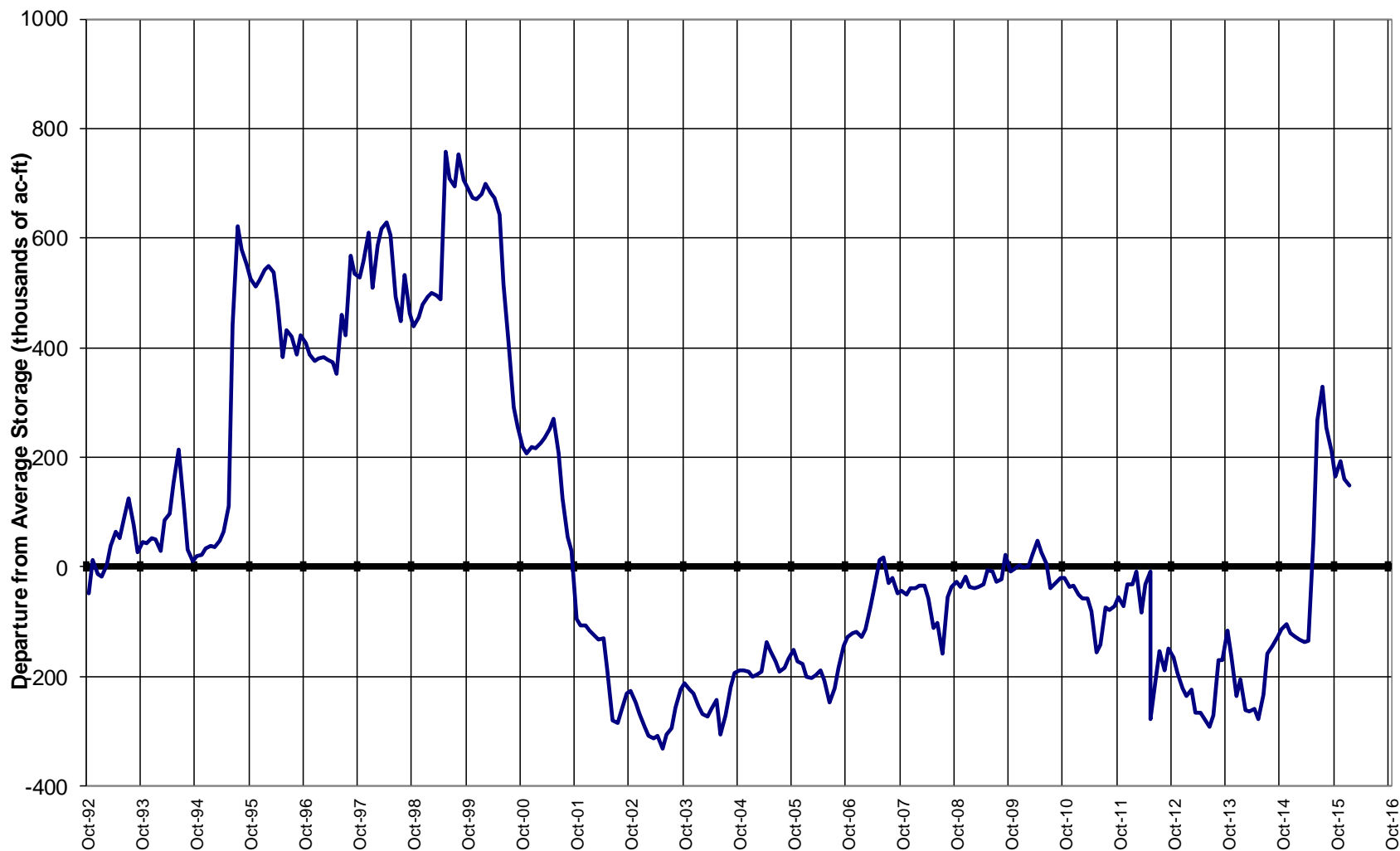
Arkansas River Basin High/Low Year-to-Date Precipitation Summary

Based on Provisional SNOTEL data as of Feb 17, 2016



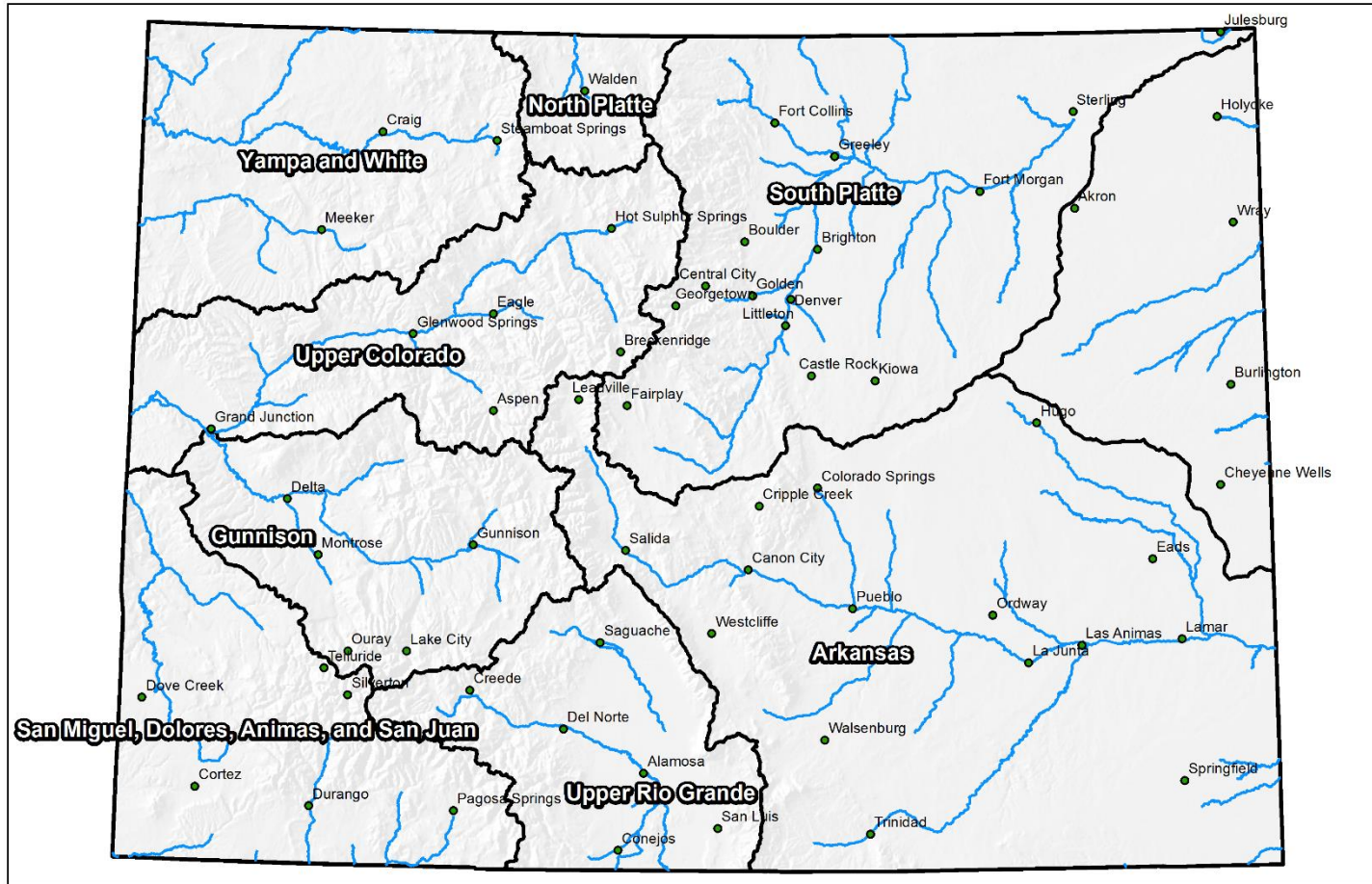


ARKANSAS RIVER BASIN Reservoir Storage Departure from Average



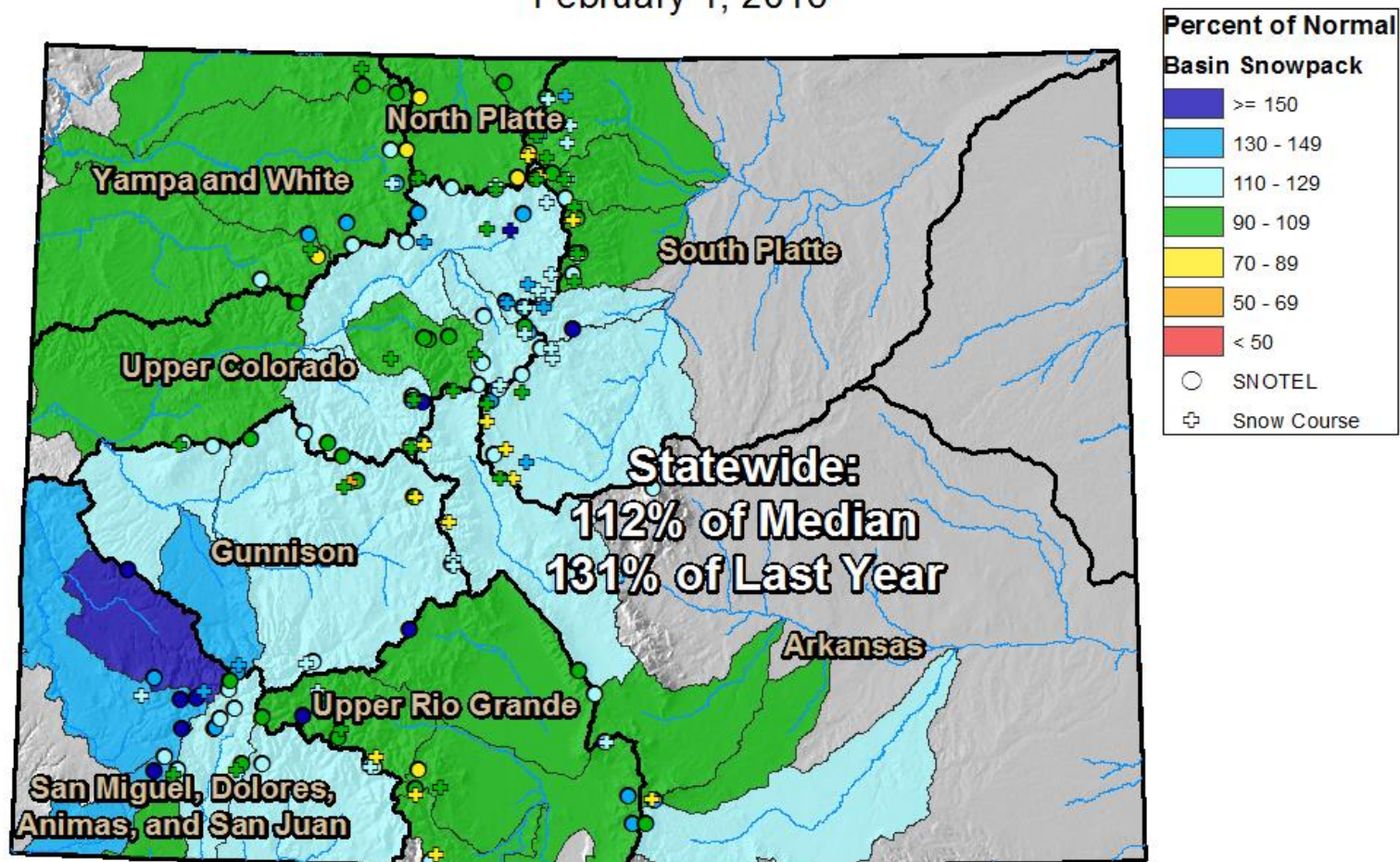
Colorado Statewide Summary

Colorado Major Basins



0 25 50 100 150 200 Miles

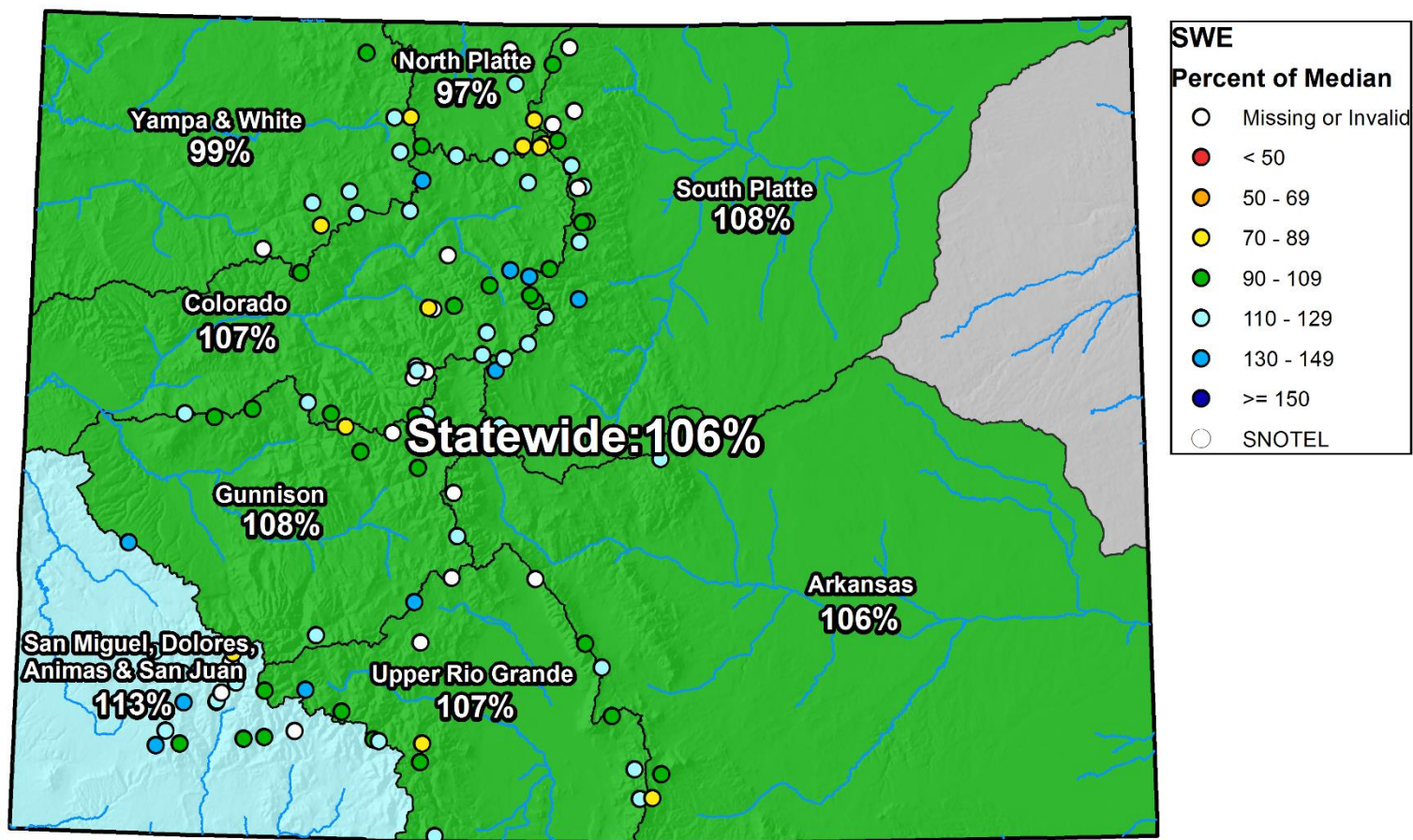
Colorado Monthly Snowpack Summary February 1, 2016



0 25 50 100 150 200 Miles

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

Current as of Feb 17, 2016

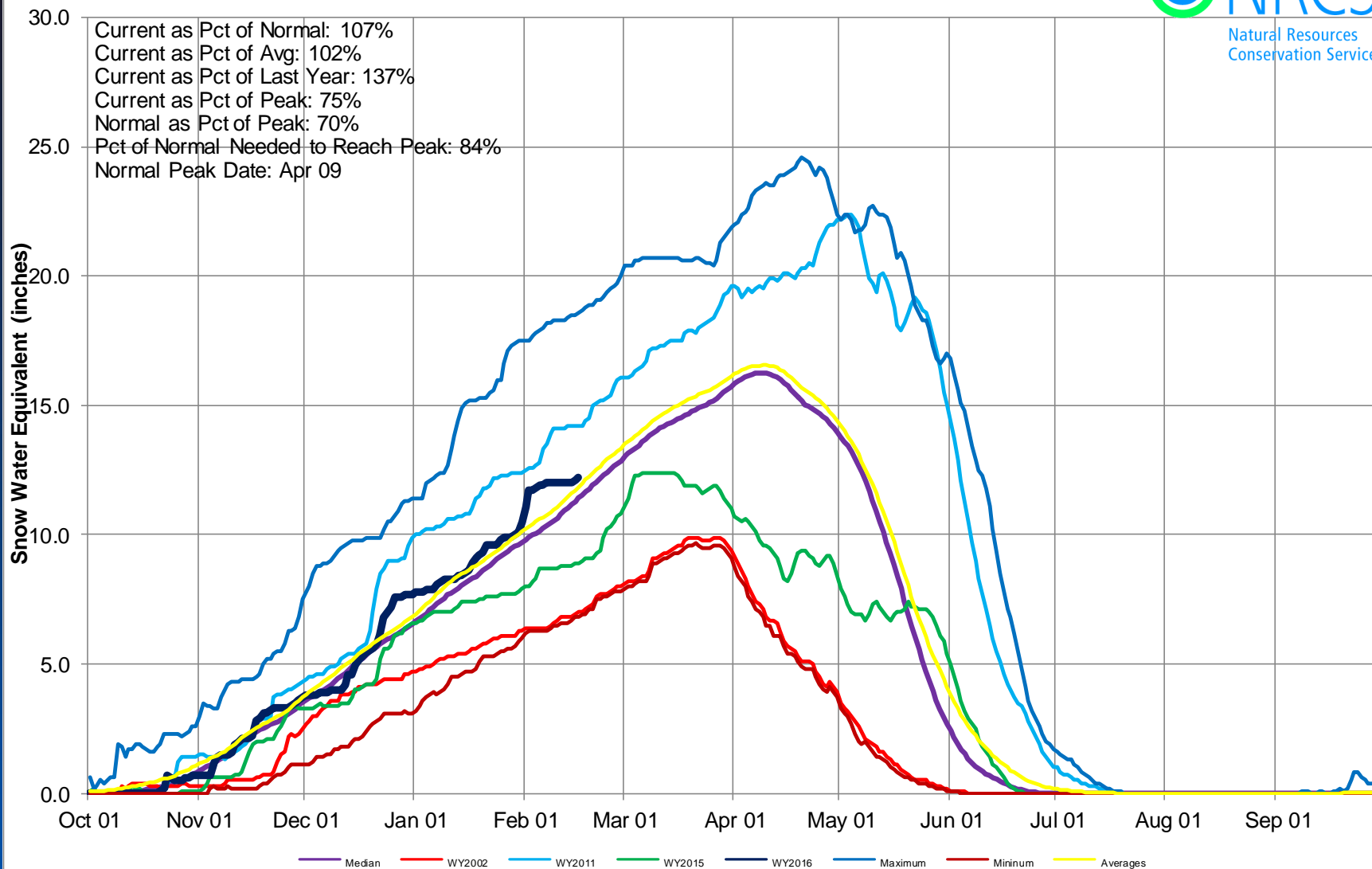


0 25 50 100 150 200 Miles



Colorado Statewide High/Low Snowpack Summary

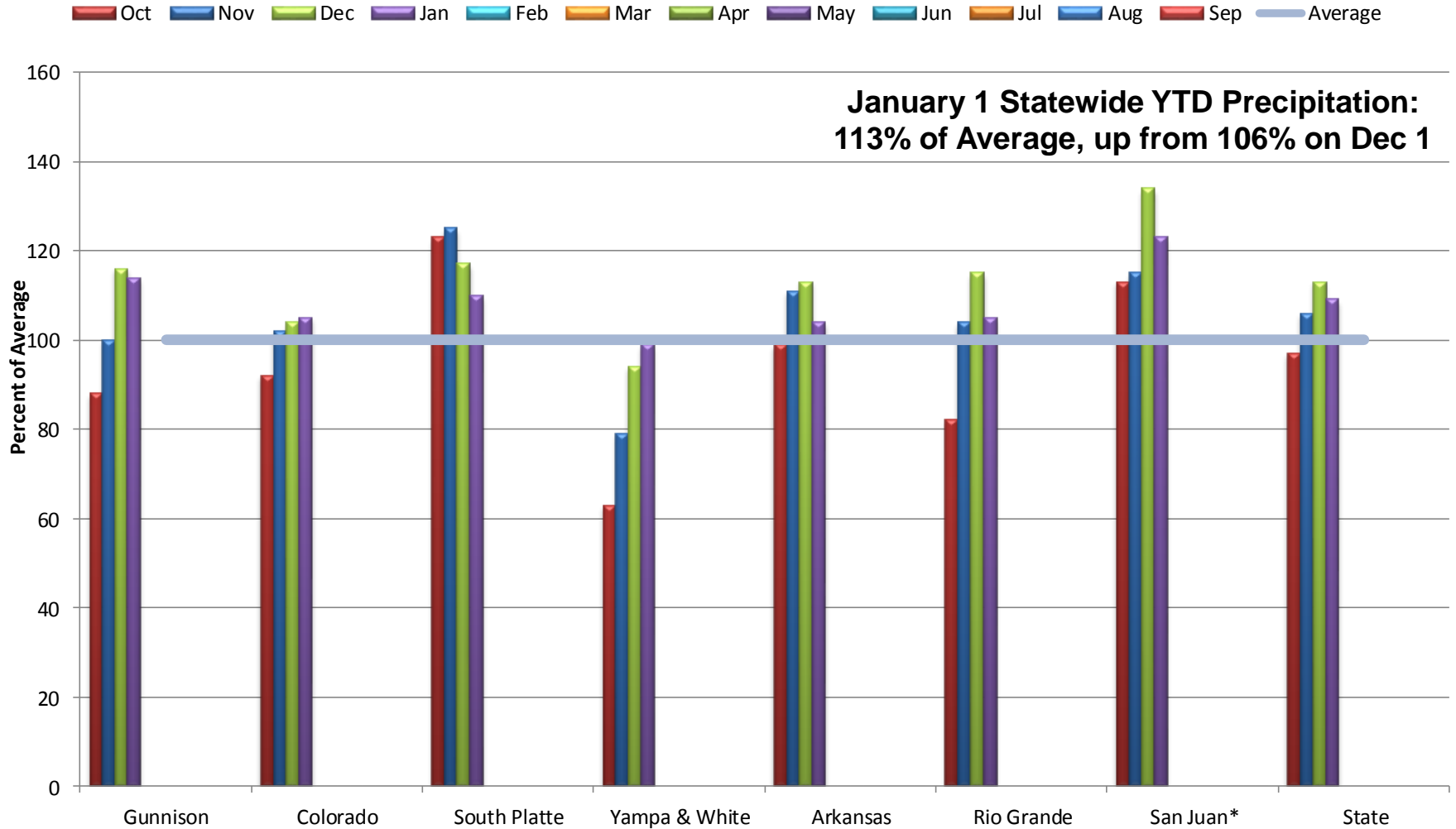
Based on Provisional SNOTEL data as of Feb 16, 2016





Colorado Year-to-Date Precipitation Summary for WY2016

USDA Natural Resources Conservation Service



*Includes Animas, Dolores, San Miguel Basins

Colorado Statewide High/Low Monthly Precipitation Summary

Based on Provisional SNOTEL data as of Feb 16, 2016

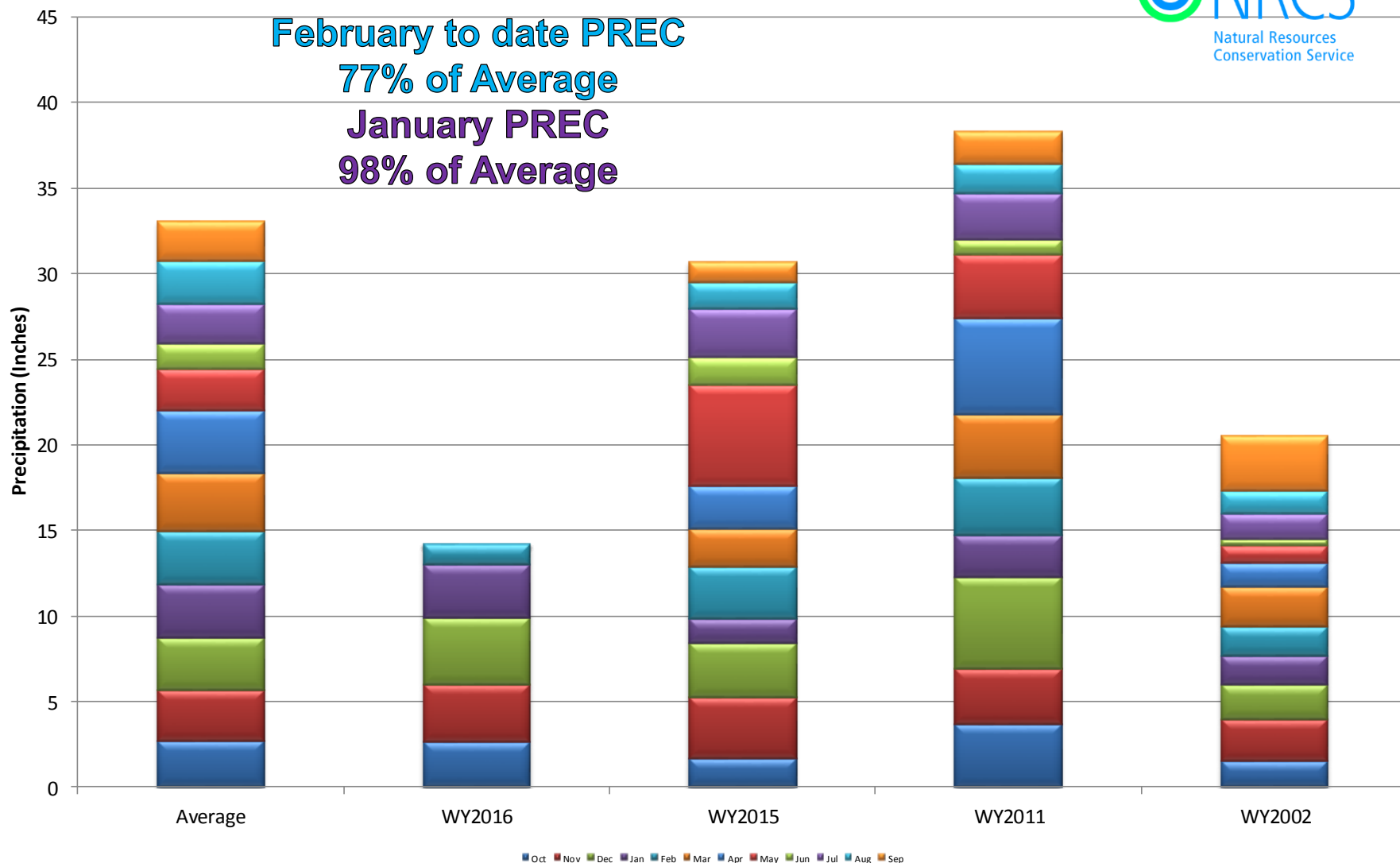


February to date PREC

77% of Average

January PREC

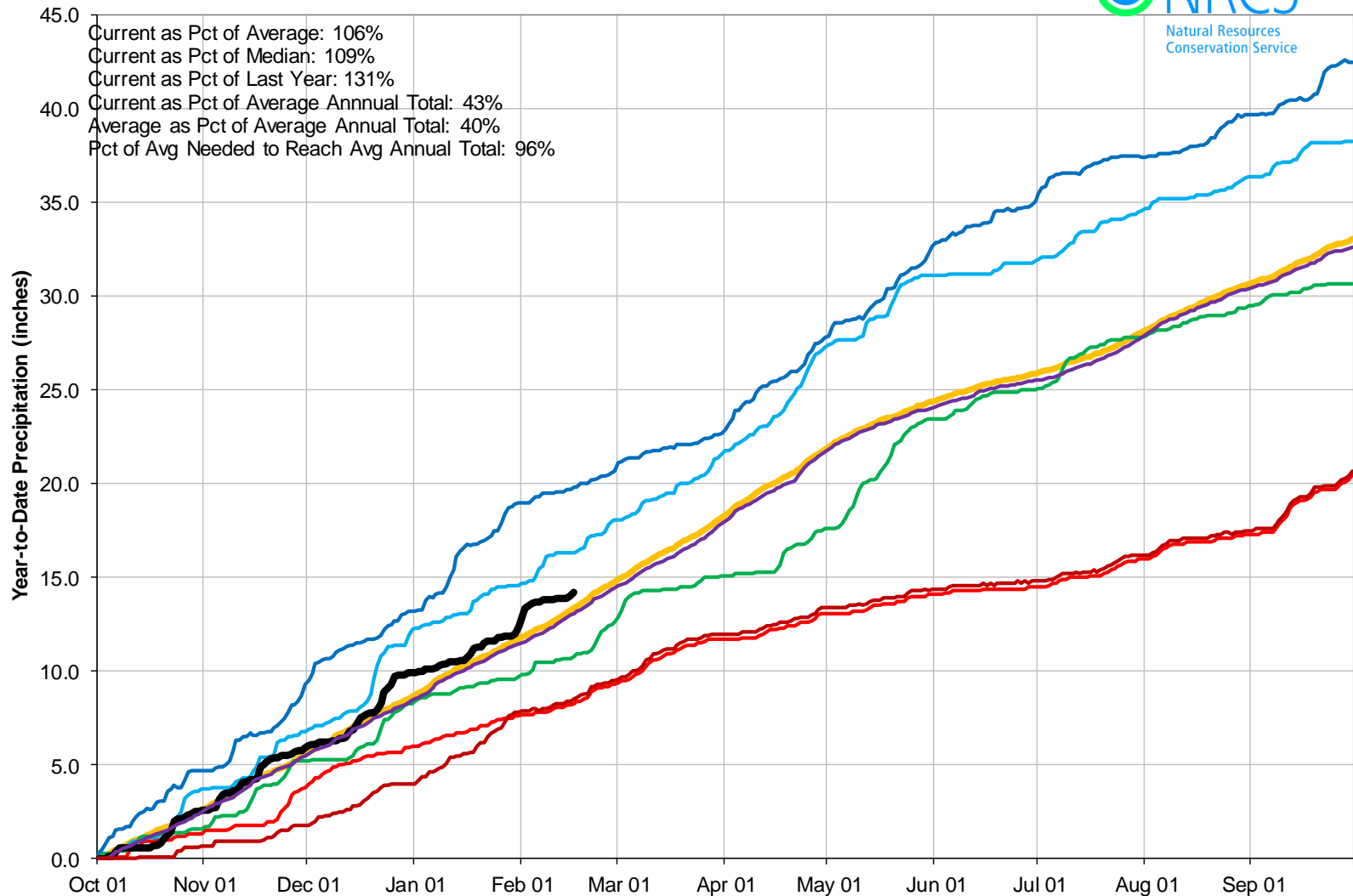
98% of Average





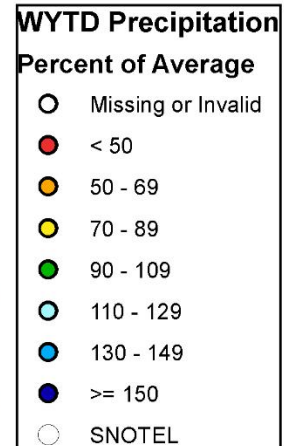
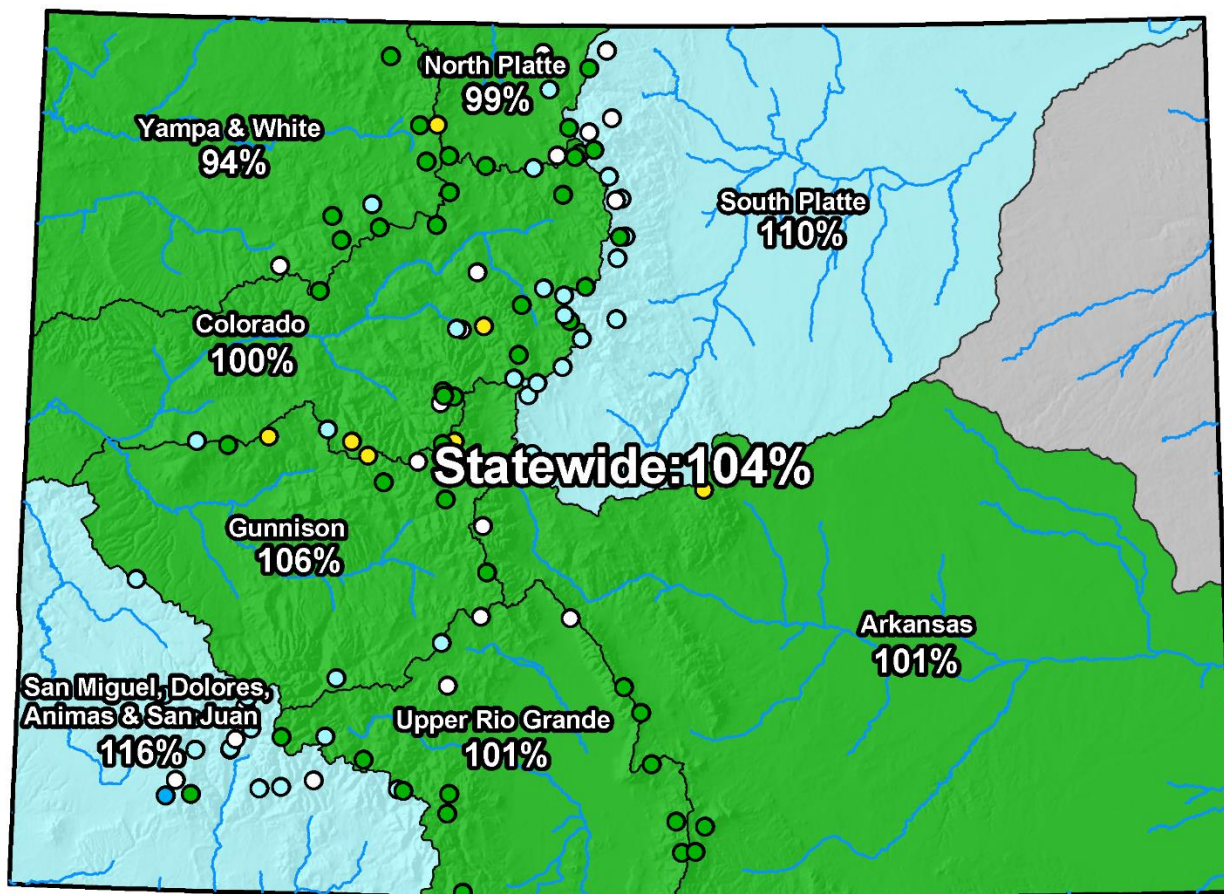
Colorado Statewide High/Low Year-to-Date Precipitation Summary

Based on Provisional SNOTEL data as of Feb 16, 2016

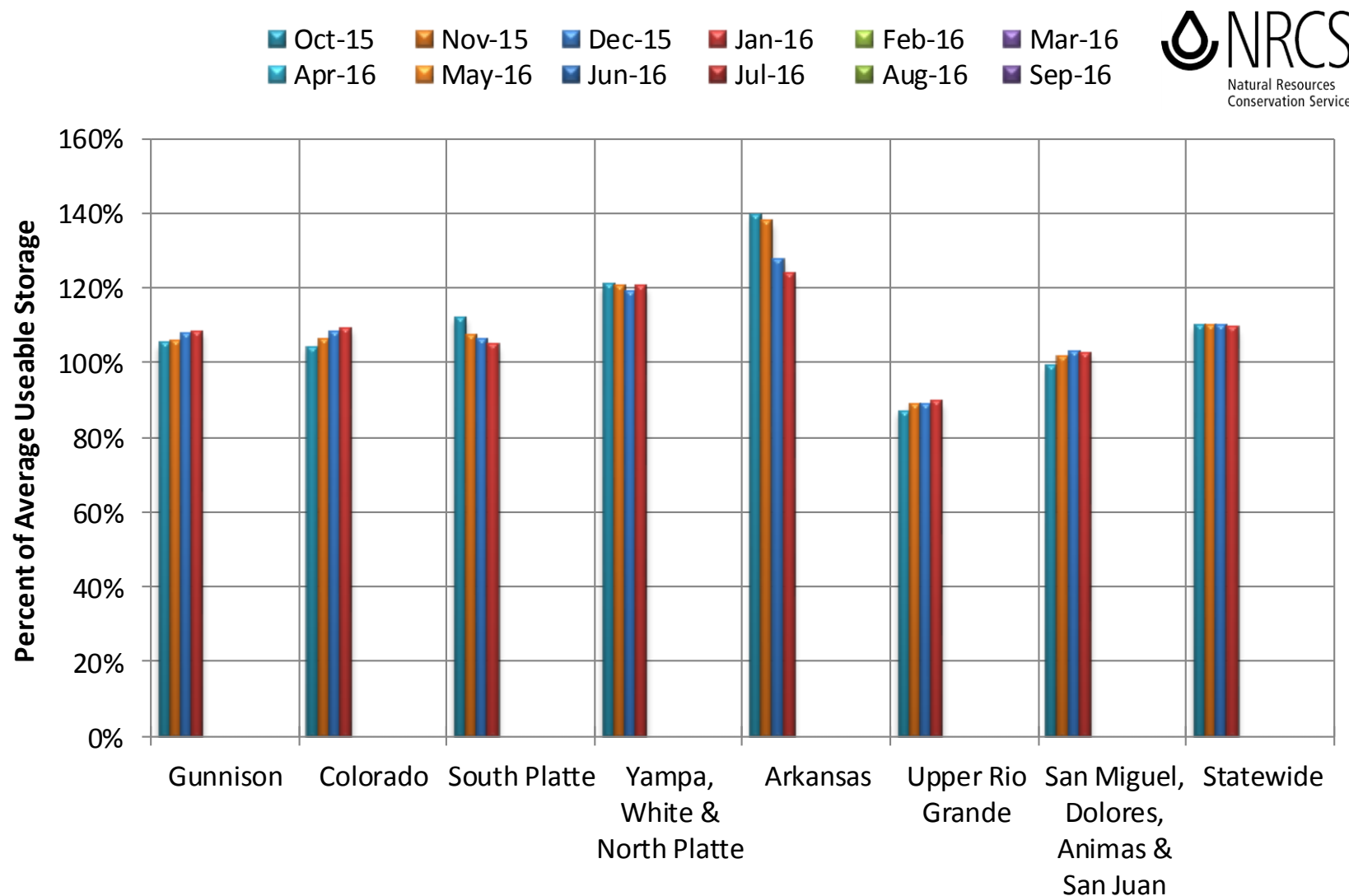


Colorado SNOTEL Water Year to Date Precipitation

Current as of Feb 17, 2016

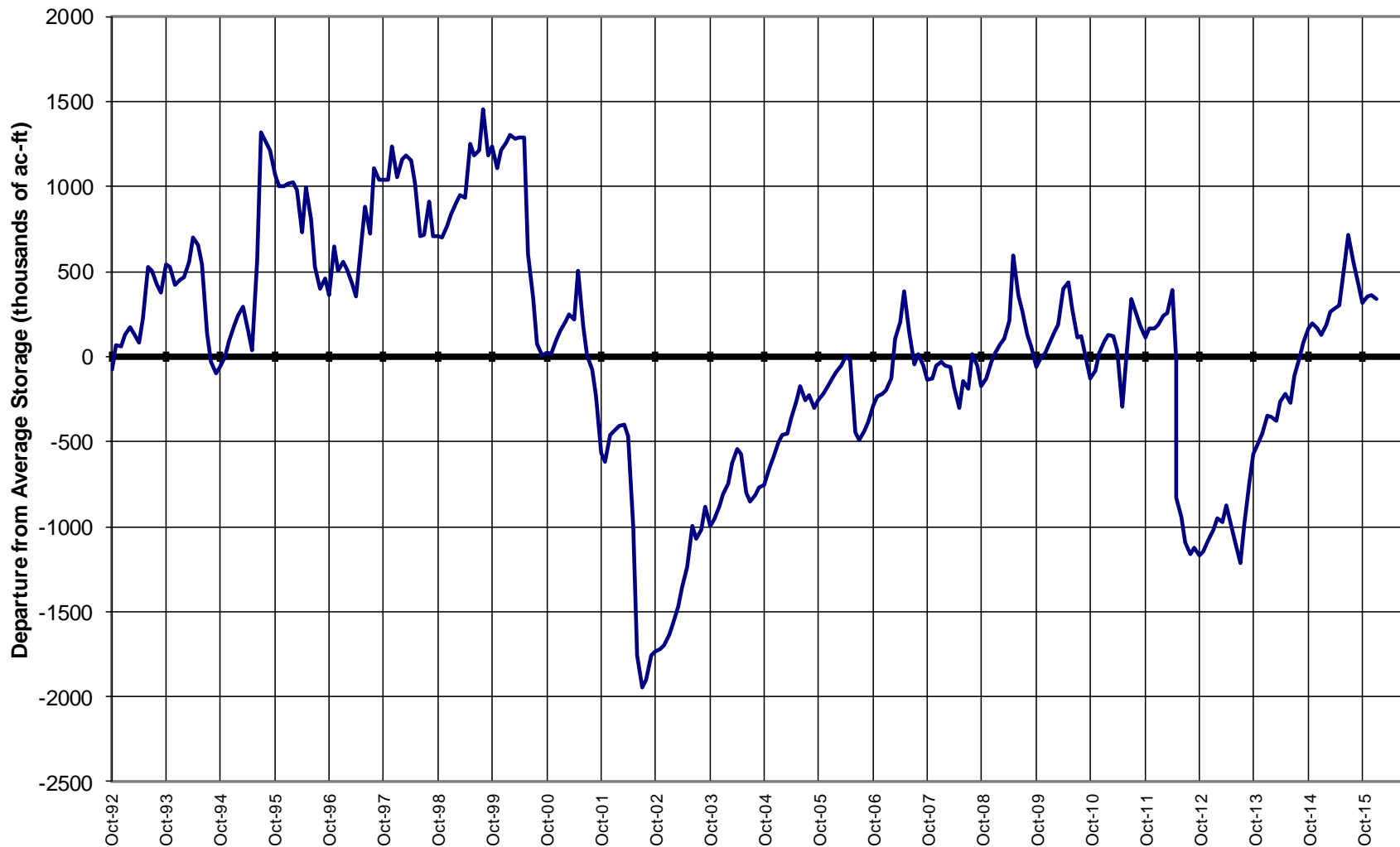


Colorado Reservoir Storage

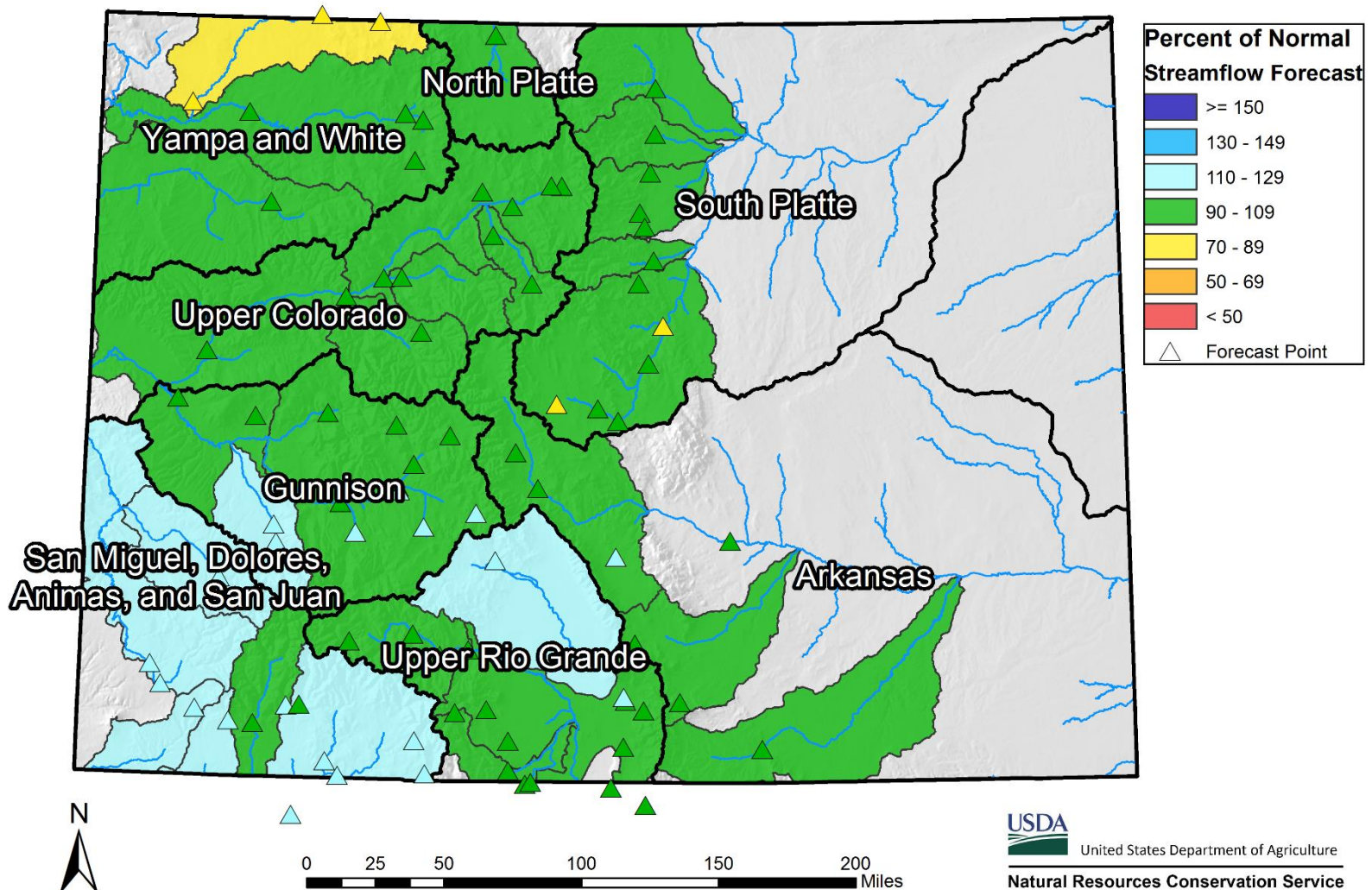




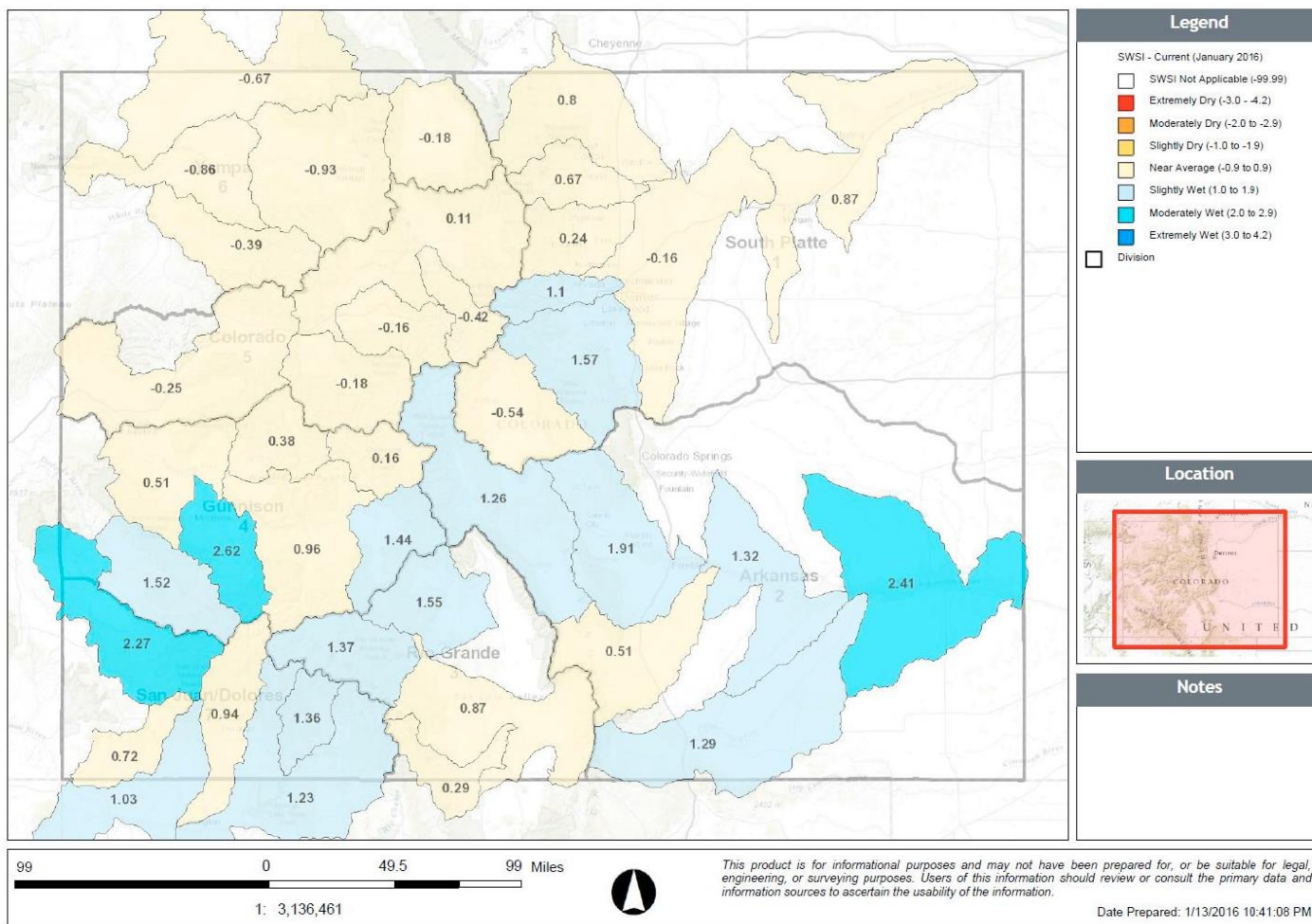
COLORADO STATEWIDE Reservoir Storage Departure from Average



Colorado Streamflow Forecasts Summary February 1, 2016



SURFACE WATER SUPPLY INDEX FOR COLORADO BY HUC



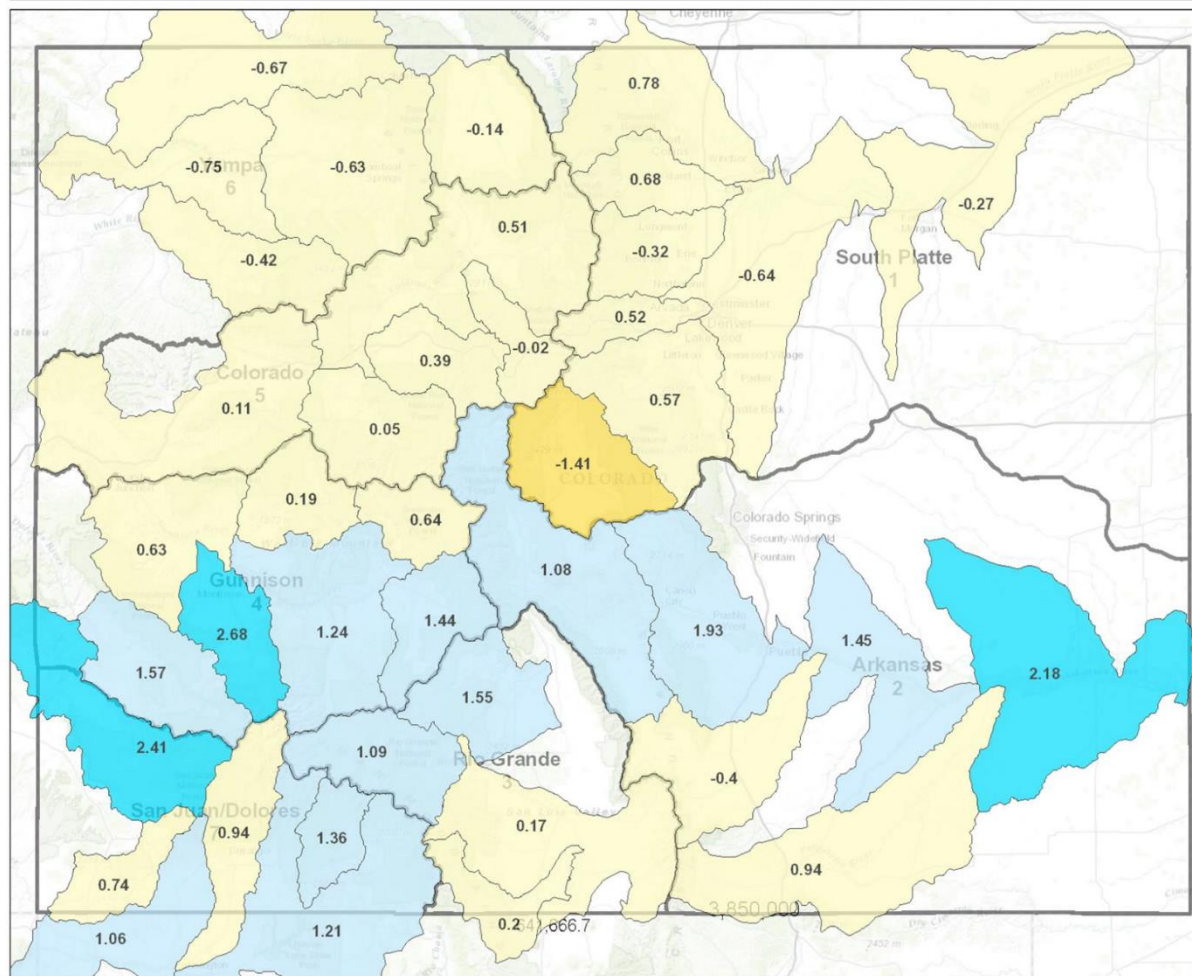
January 1, 2016



CDSS

Colorado's Decision Support Systems

February 2016 SWSI



Legend

- SWSI - Current (February 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)
 - Division

Location



Notes

94.44 0 47.22 94.44 Miles

1: 2,992,012

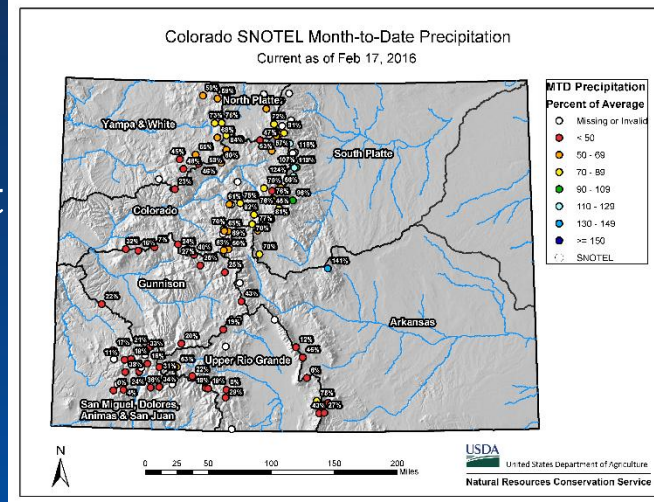
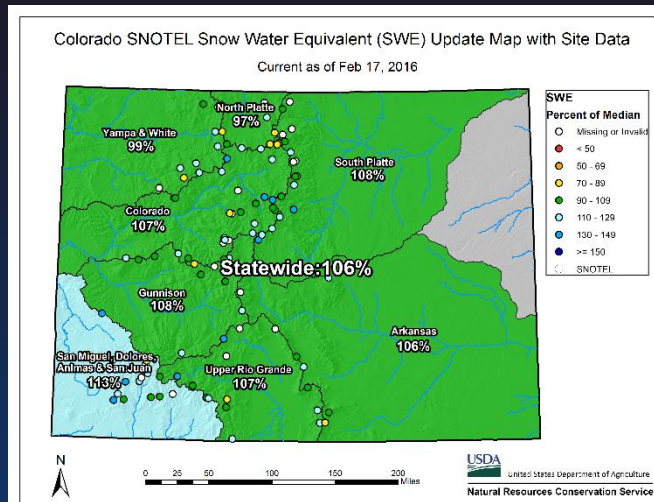


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Date Prepared: 2/17/2016 8:48:41 AM

Summary

- Snowpack remains at above normal levels statewide
- Below normal February-to-date precipitation statewide but most prevalent in southern CO
- The majority of CO rivers and streams were forecast to have near to above normal streamflow volumes as of February 1st
- Reservoirs statewide remain in relatively good standing at 110% of normal, same as last month
- SWSIs follow the general convention of being close to normal in the northern half of the state and above normal in the southern, same as last month





United States Department of Agriculture

Colorado Snow Surveys

Water Availability Task Force Meeting

February 17th, 2016

NRCS Snow Survey and Water Supply Forecasting Program

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