



United States Department of Agriculture

Colorado Snow Surveys

Water Availability Task Force Meeting

March 21st, 2017

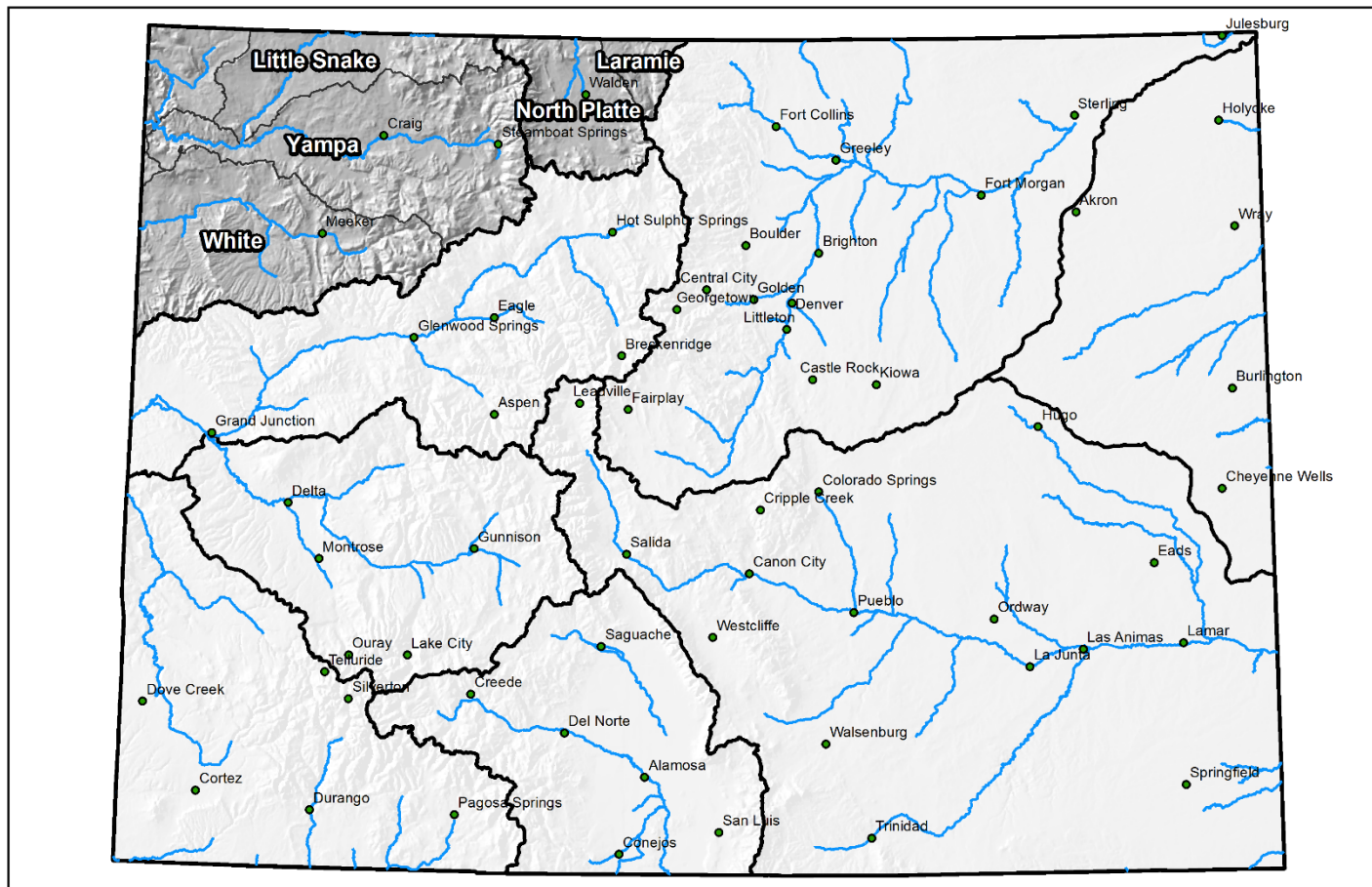
NRCS Snow Survey and Water Supply Forecasting Program

Brian Domonkos
Snow Survey Supervisor
720-544-2852

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

Major Basin Summary

Yampa, White, and North Platte River Basins

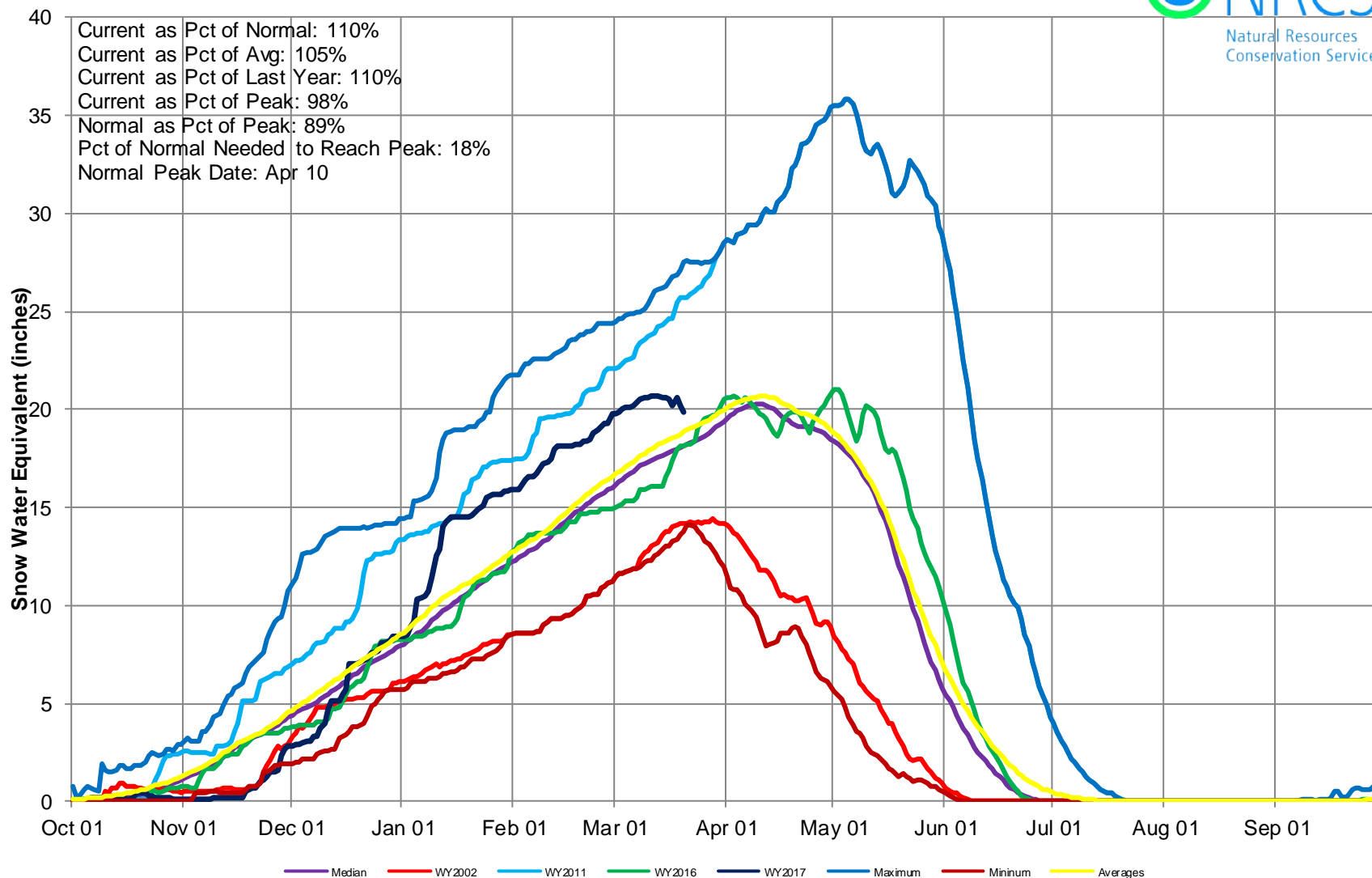


0 25 50 100 150 200 Miles



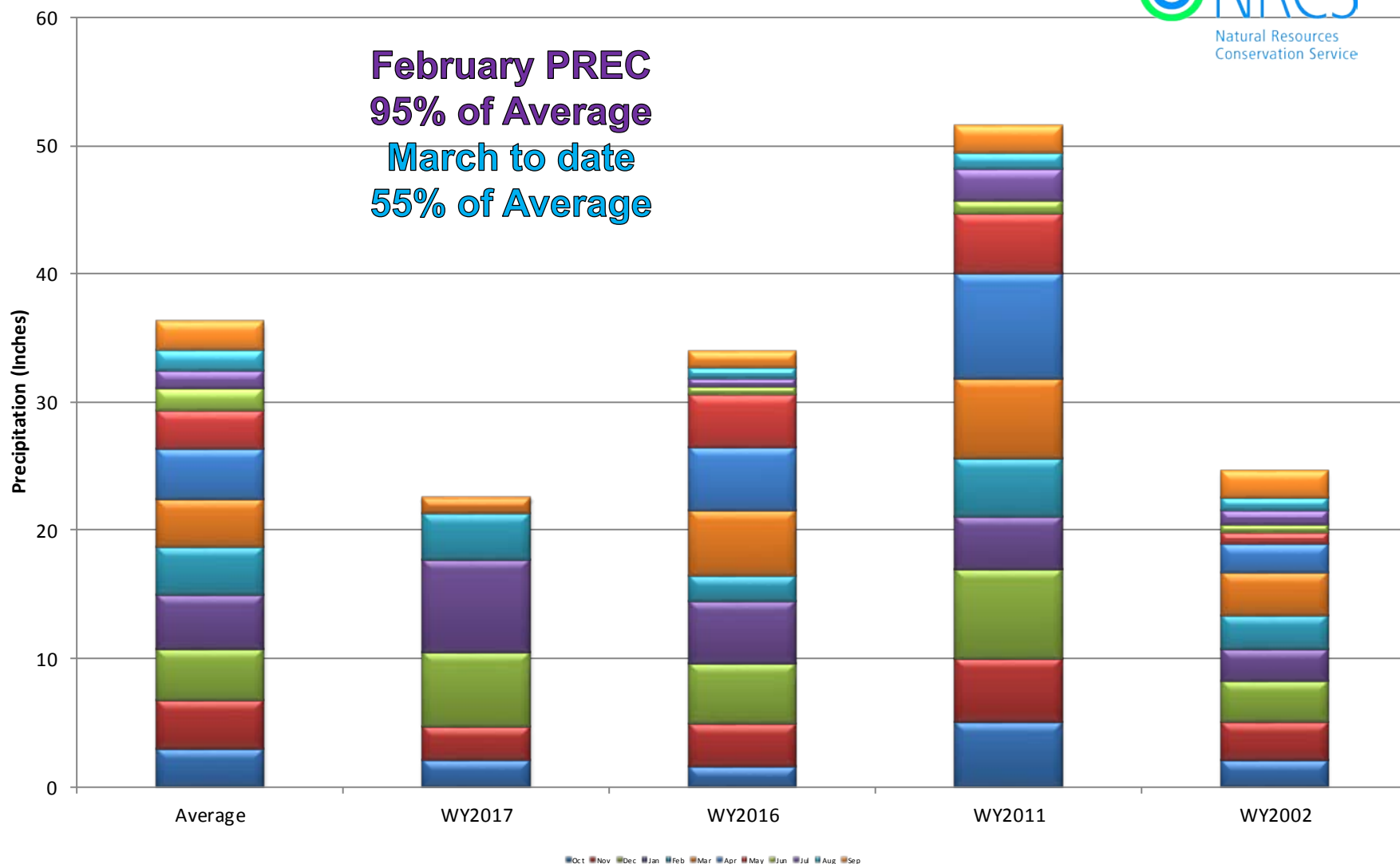
Yampa, White & North Platte River Basins High/Low Snowpack Summary

Based on Provisional SNOTEL data as of Mar 20, 2017

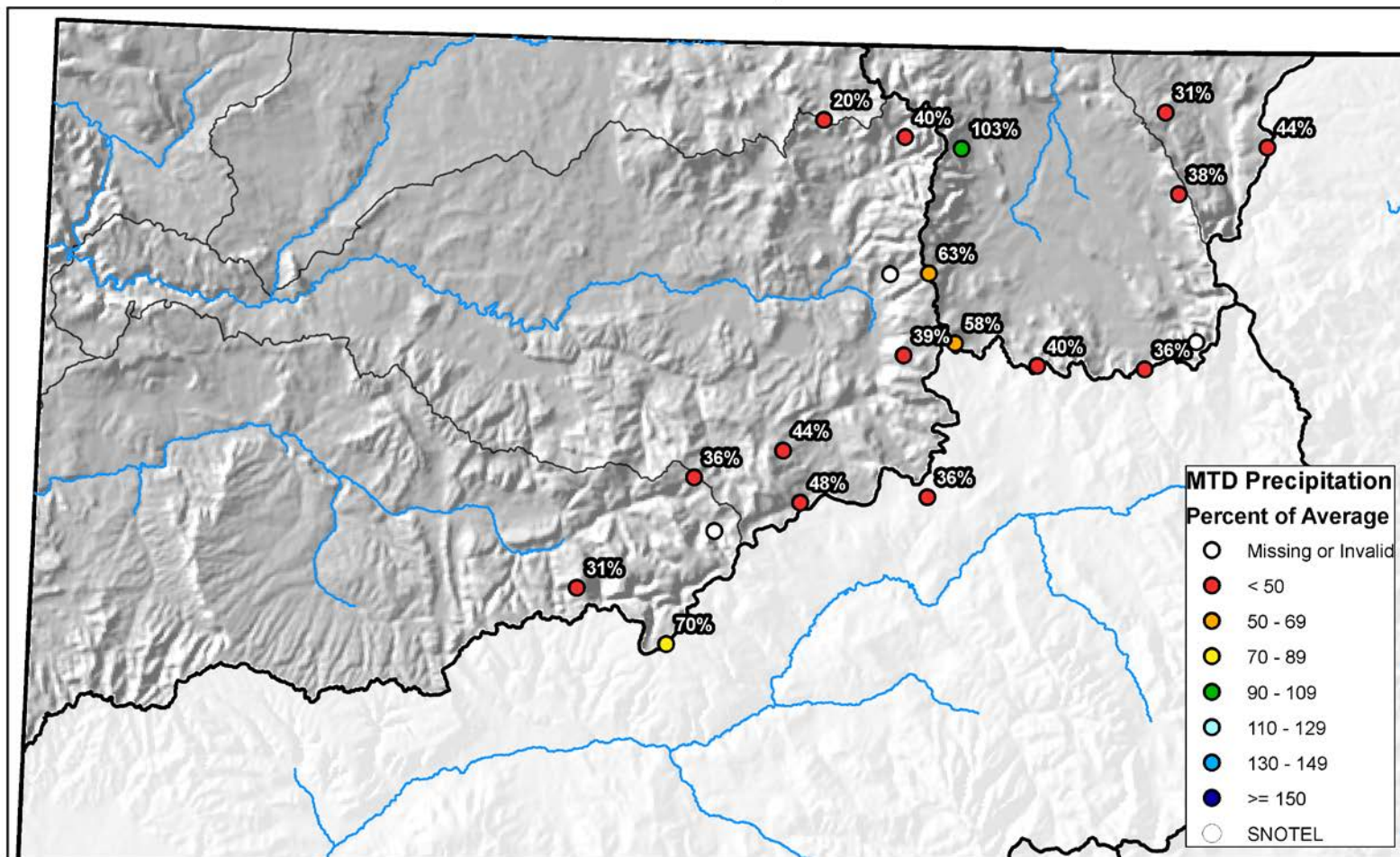


Yampa & White River Basins High/Low Monthly Precipitation Summary

Based on Provisional SNOTEL data as of Mar 20, 2017



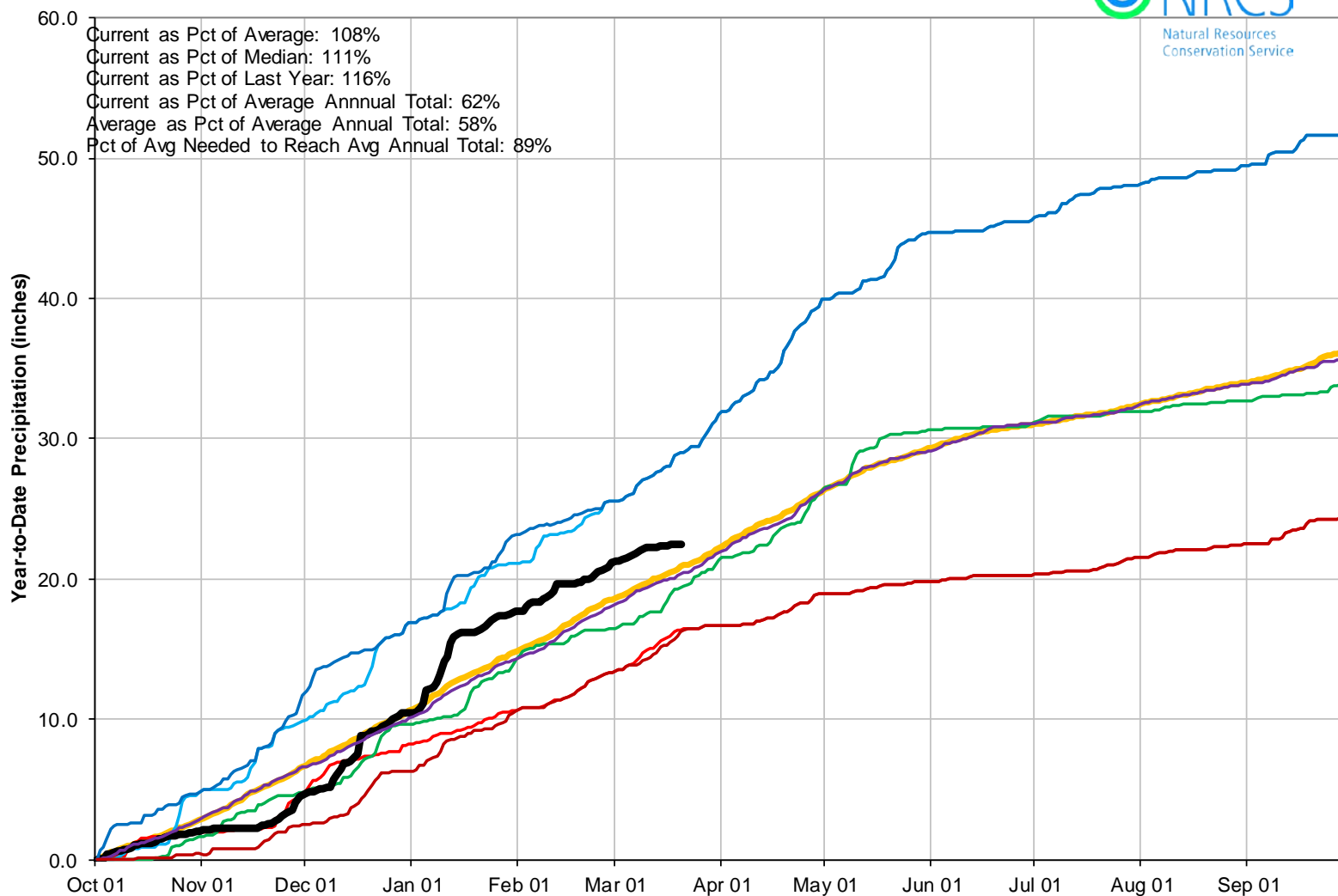
Yampa, White, and North Platte River Basins Month to Date Precipitation Summary Current as of Mar 20, 2017





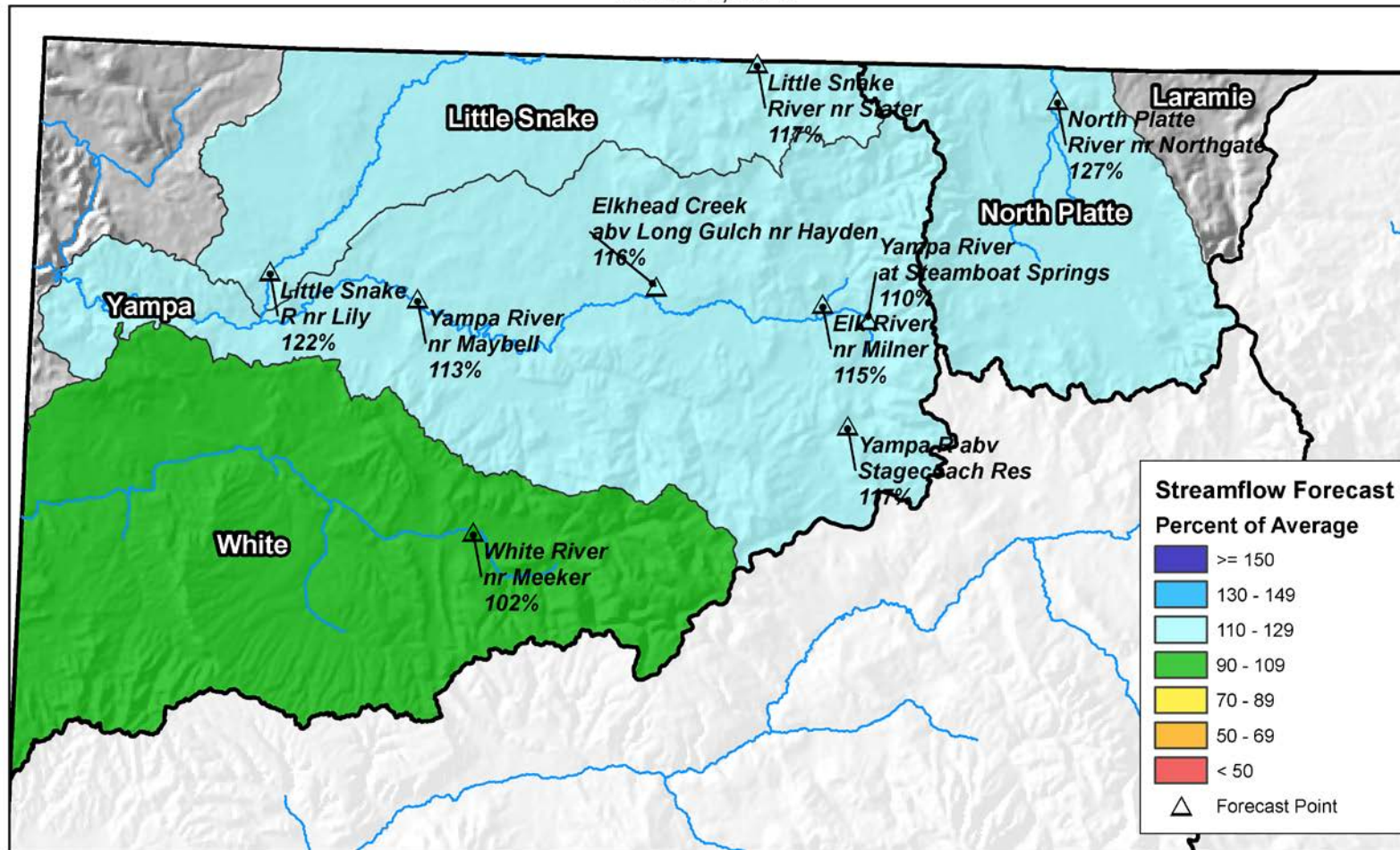
Yampa & White River Basins High/Low Year-to-Date Precipitation Summary

Based on Provisional SNOTEL data as of Mar 20, 2017

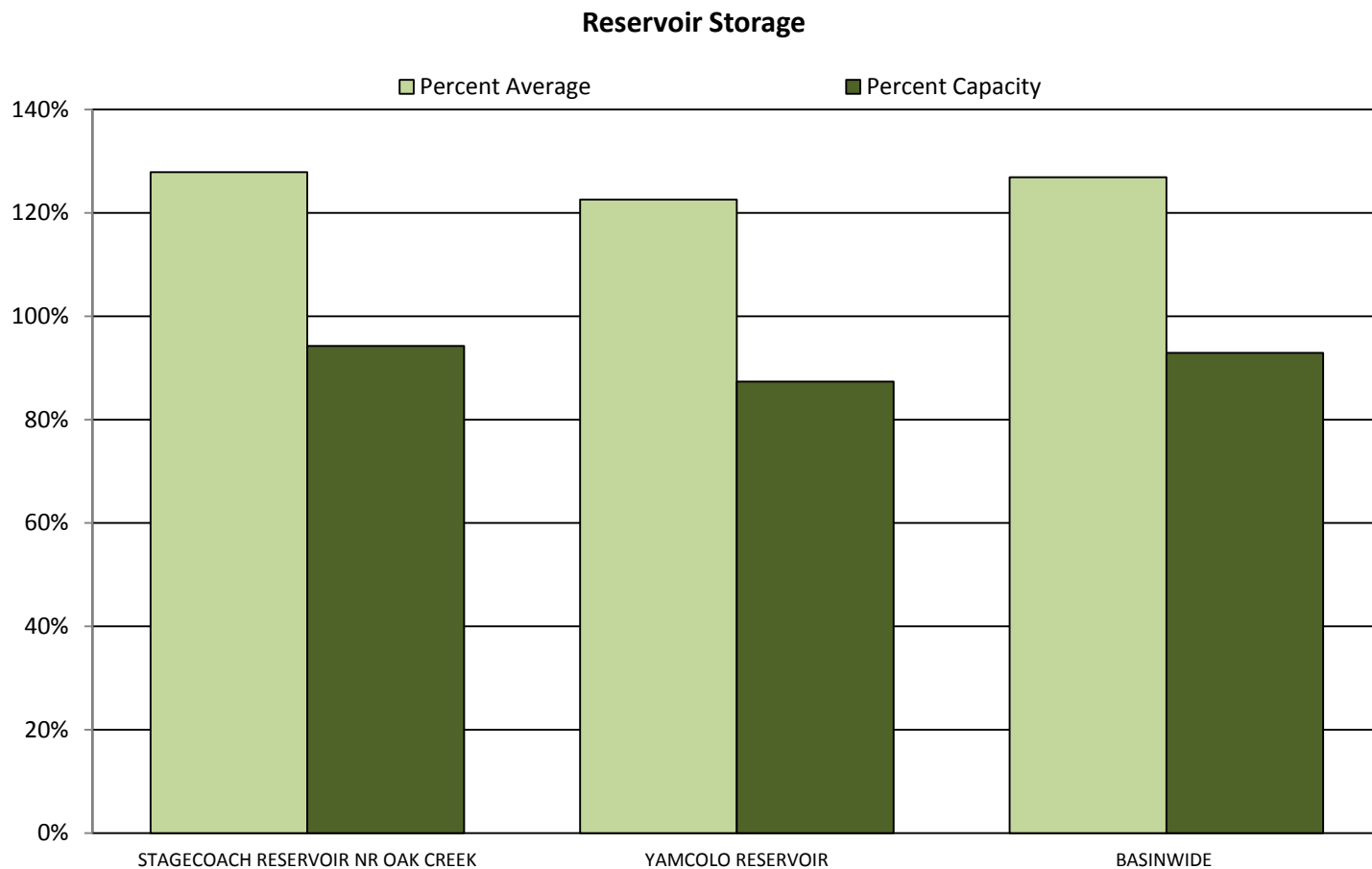


Yampa, White, and North Platte River Basins Streamflow Forecast Summary

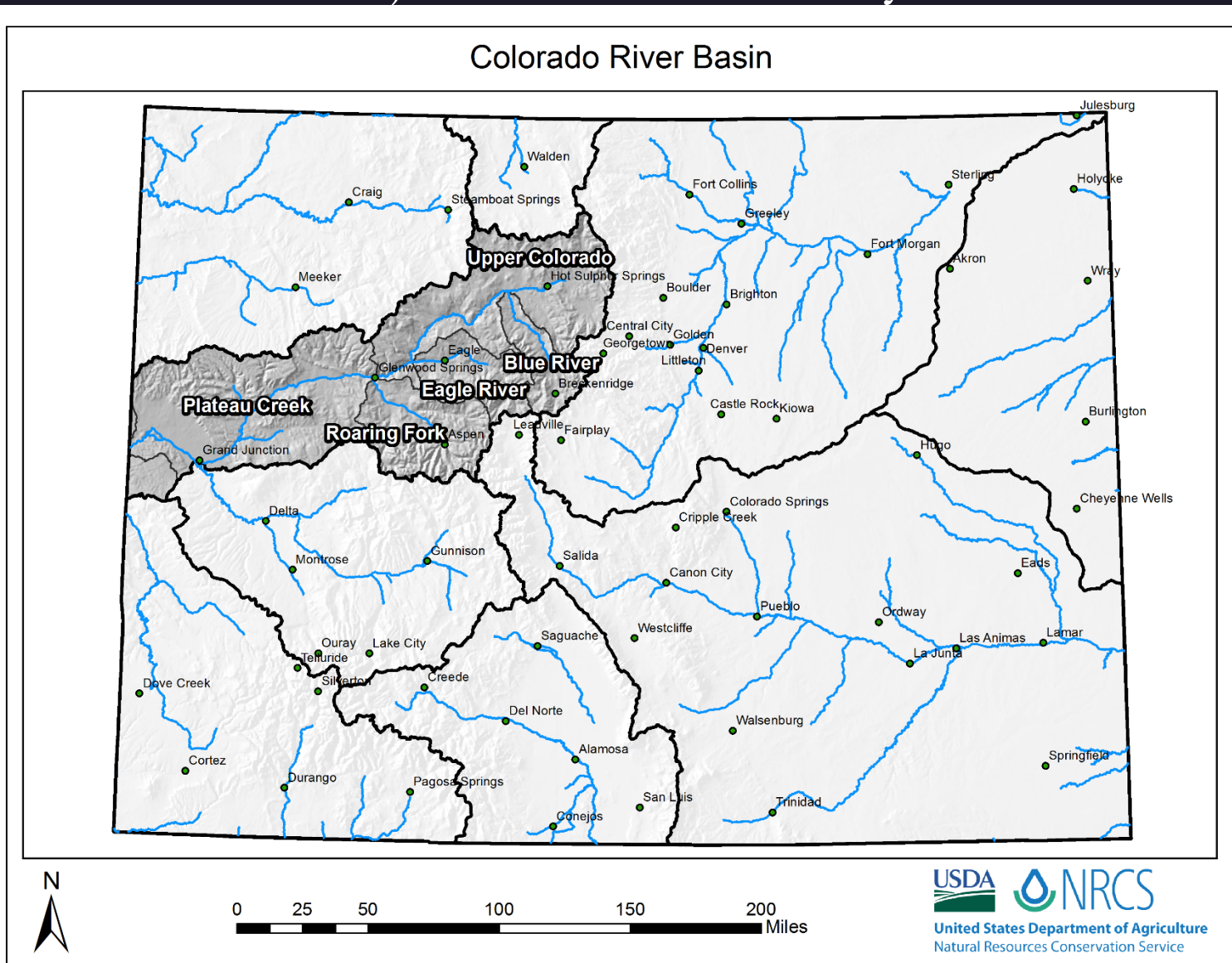
March 1, 2017



0 10 20 40 60 80 Miles



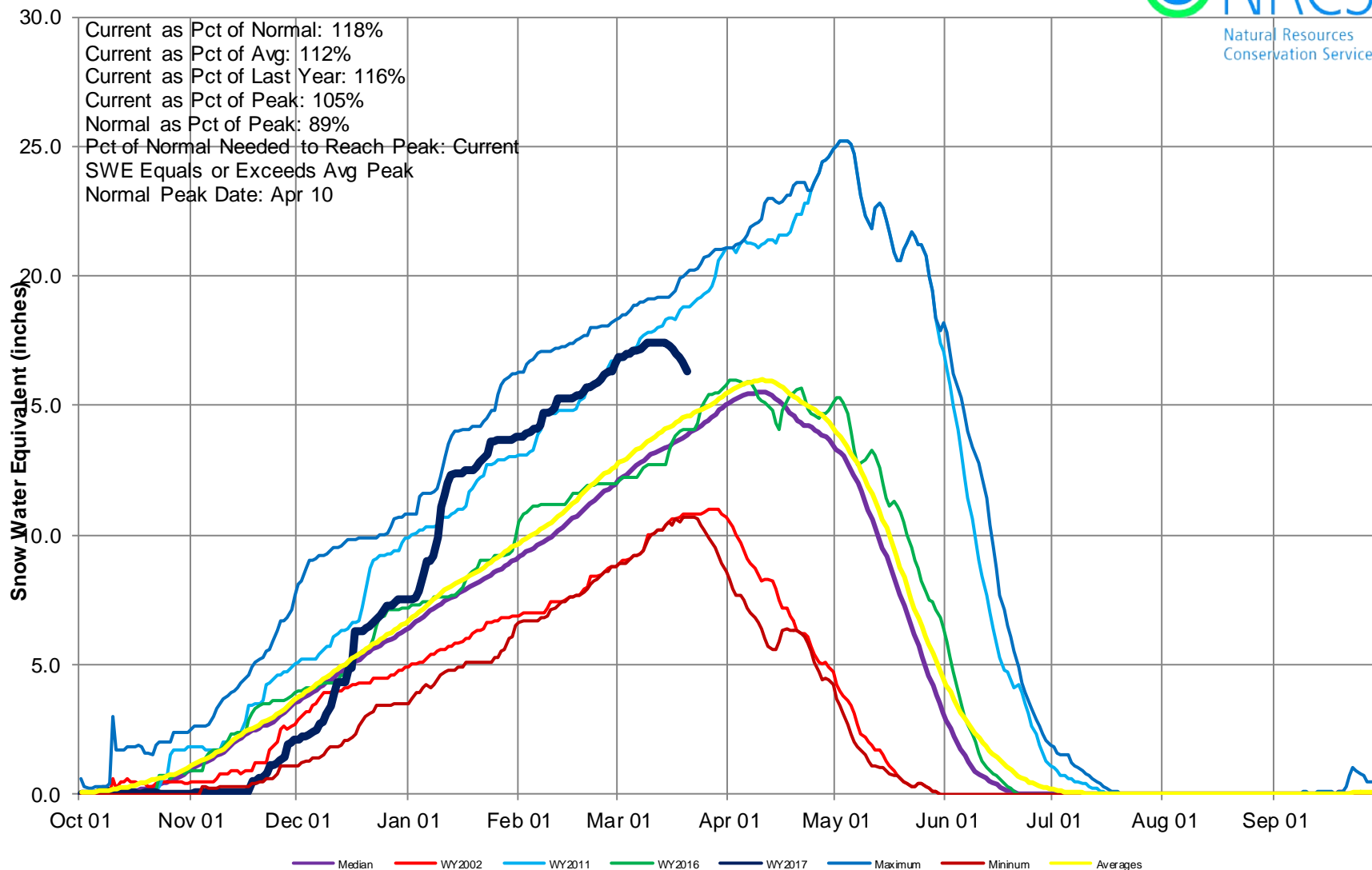
Major Basin Summary





Upper Colorado River Basin High/Low Snowpack Summary

Based on Provisional SNOTEL data as of Mar 20, 2017



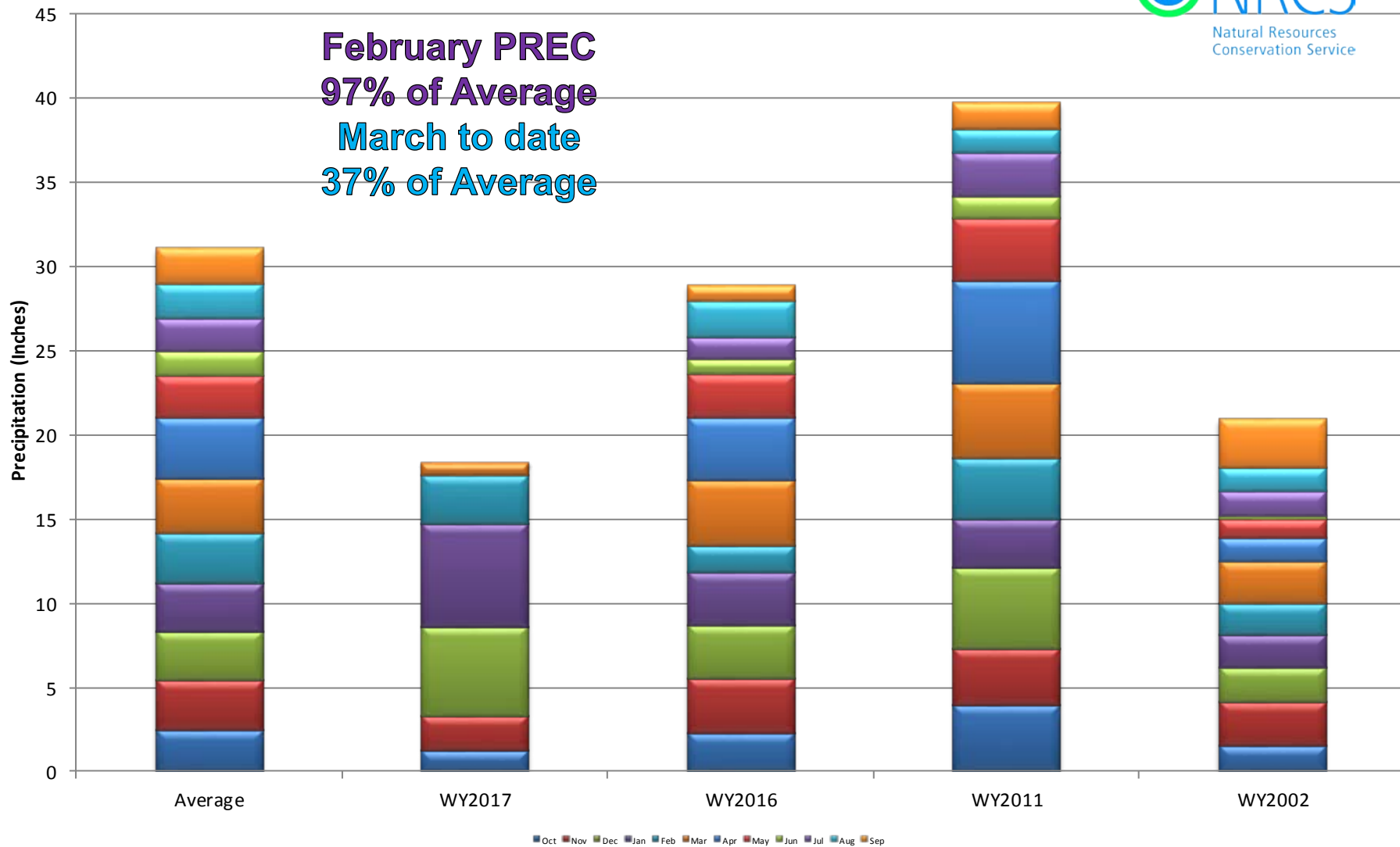


Upper Colorado River Basin High/Low Monthly Precipitation Summary

Based on Provisional SNOTEL data as of Mar 20, 2017

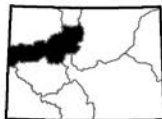
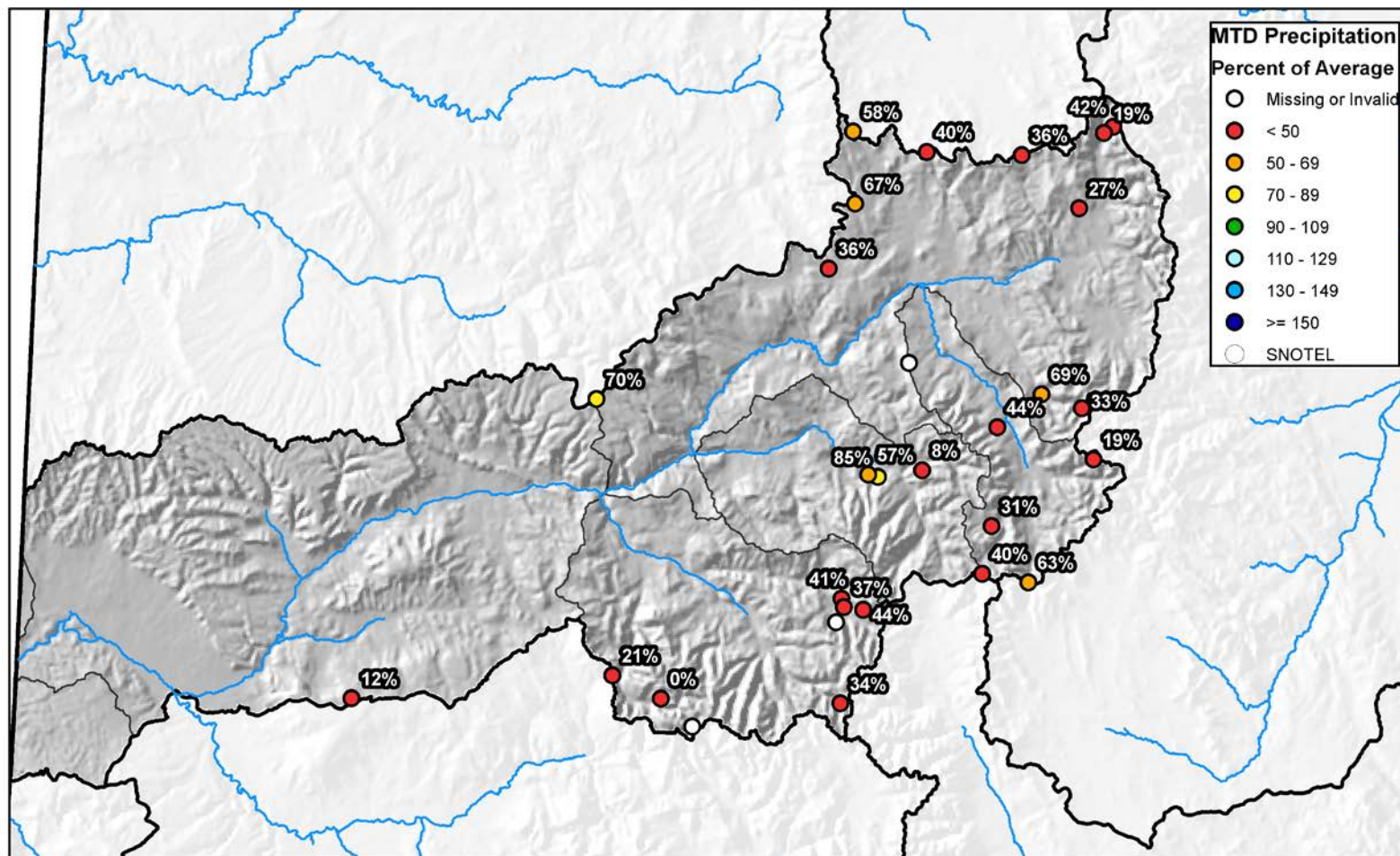


February PREC
97% of Average
March to date
37% of Average



Upper Colorado River Basin Month to Date Precipitation Summary

Current as of Mar 20, 2017



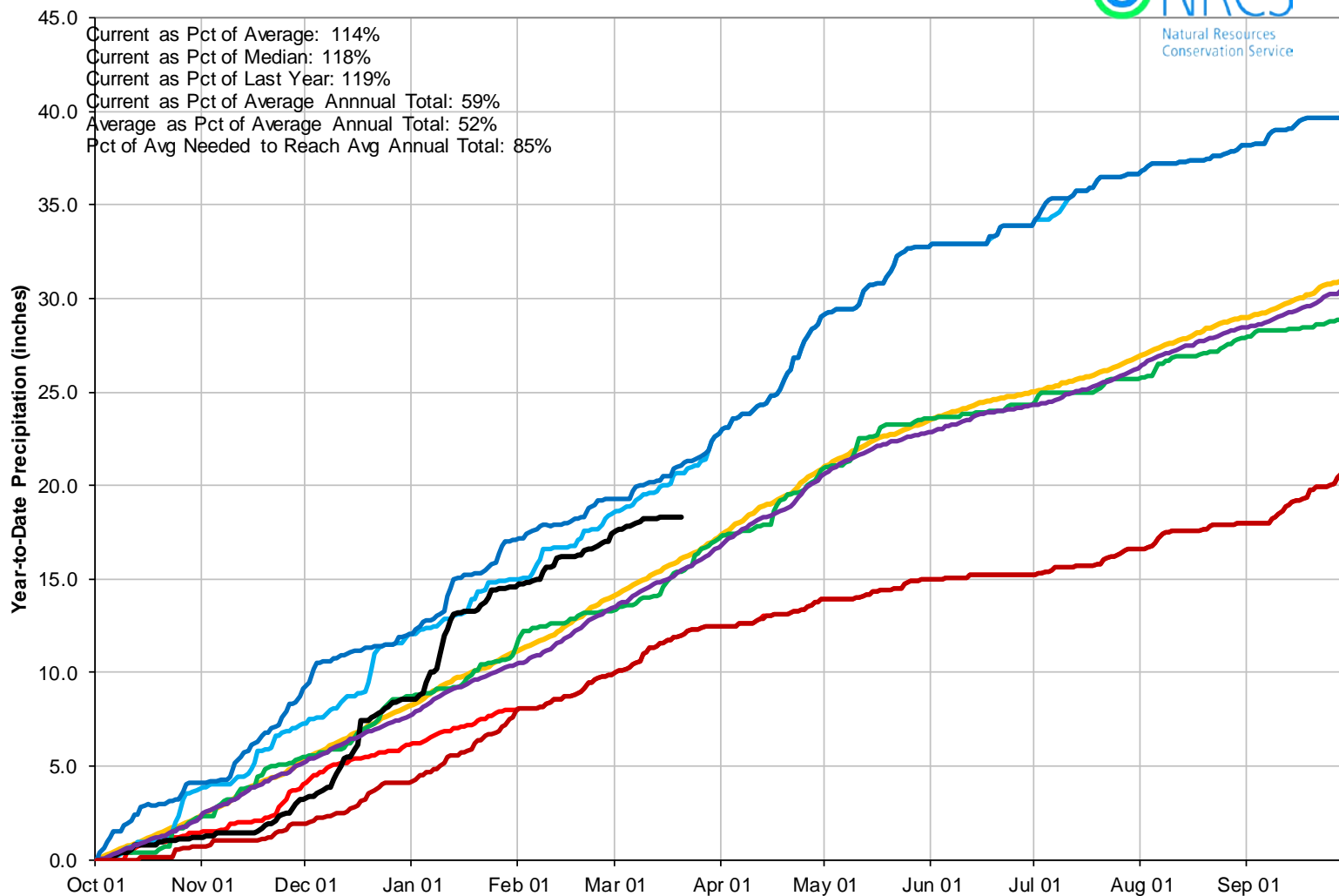


Upper Colorado River Basin High/Low Year-to-Date Precipitation Summary

Based on Provisional SNOTEL data as of Mar 20, 2017

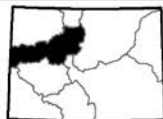
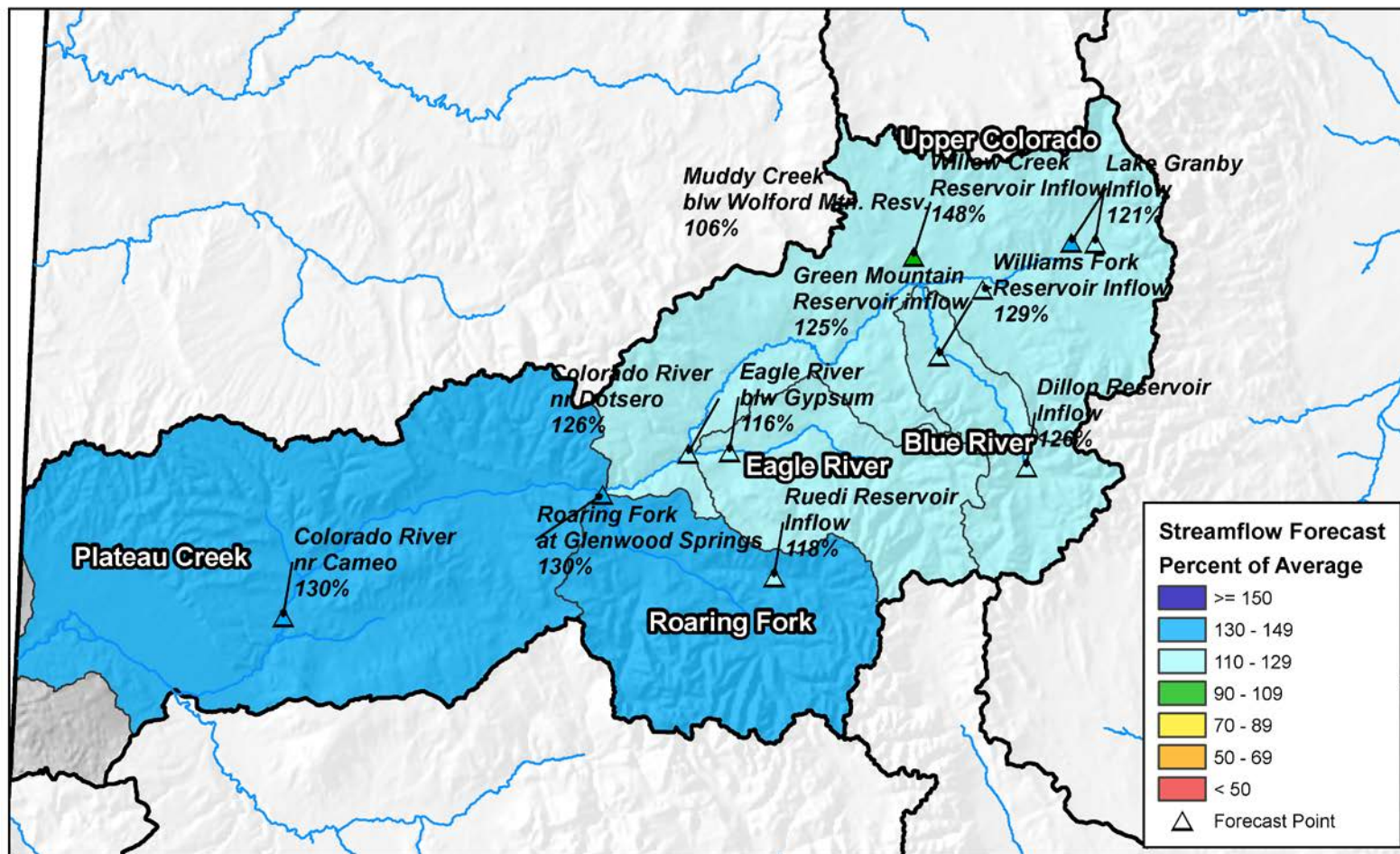


Natural Resources
Conservation Service



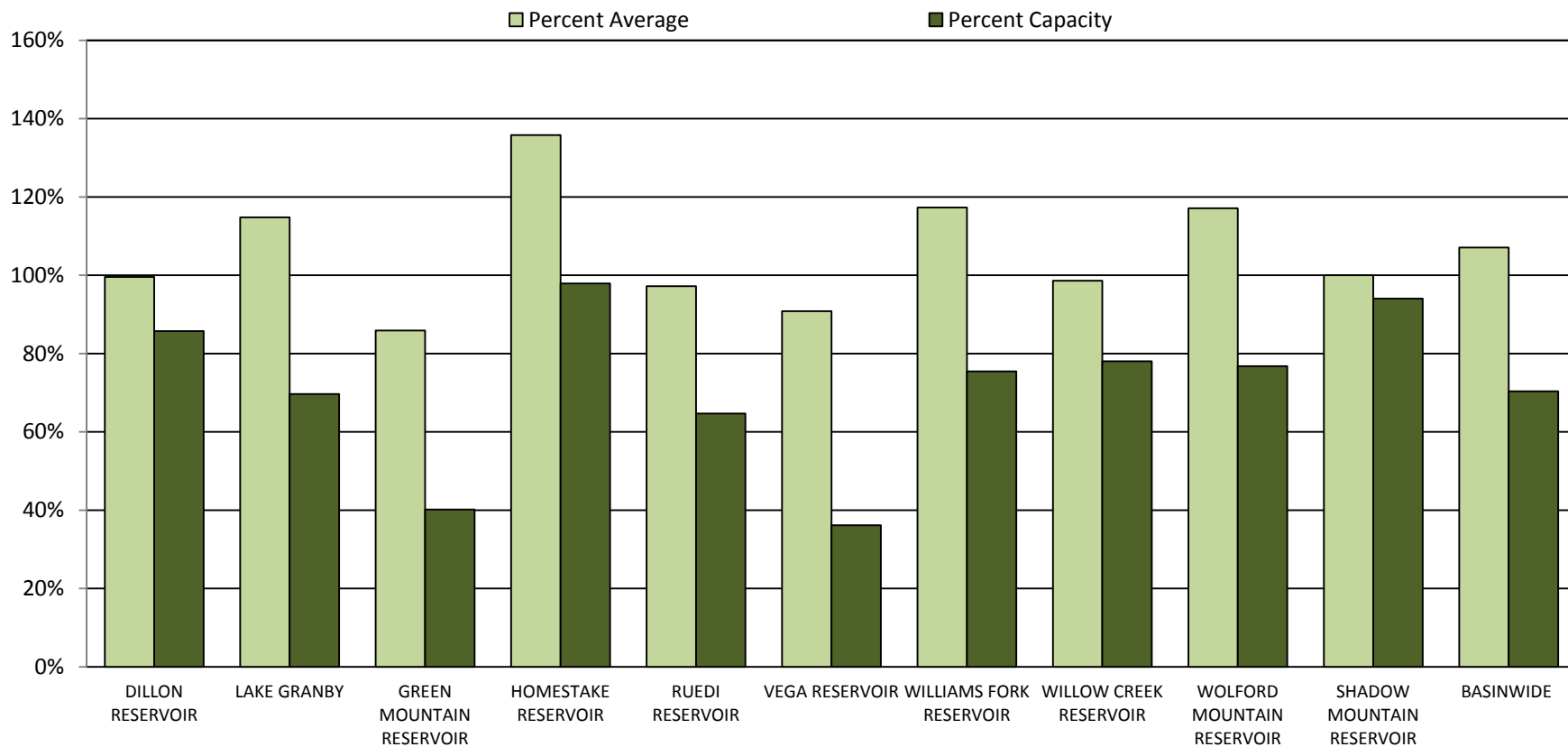
Upper Colorado River Basin Streamflow Forecast Summary

March 1, 2017



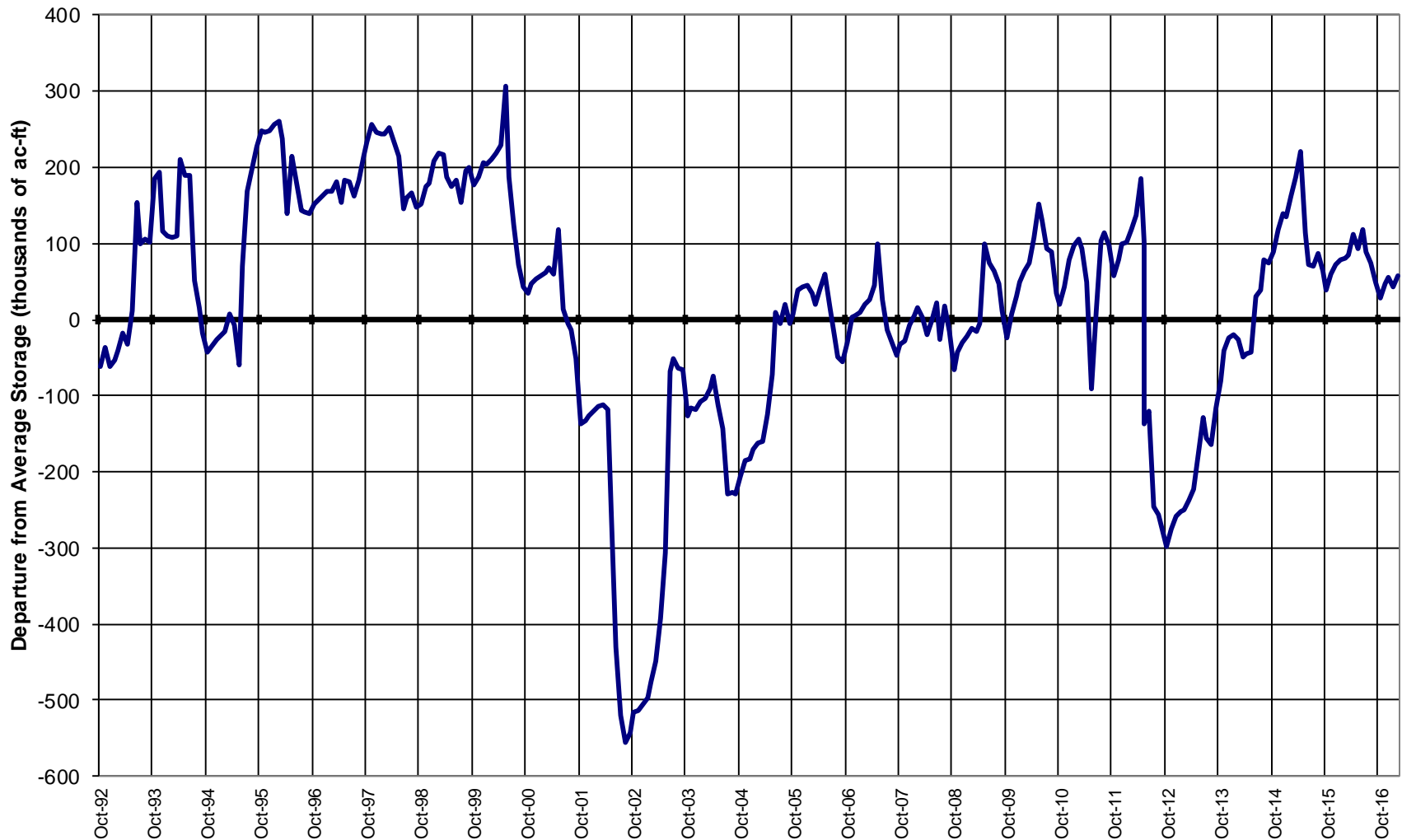
0 10 20 40 60 80 Miles

Reservoir Storage



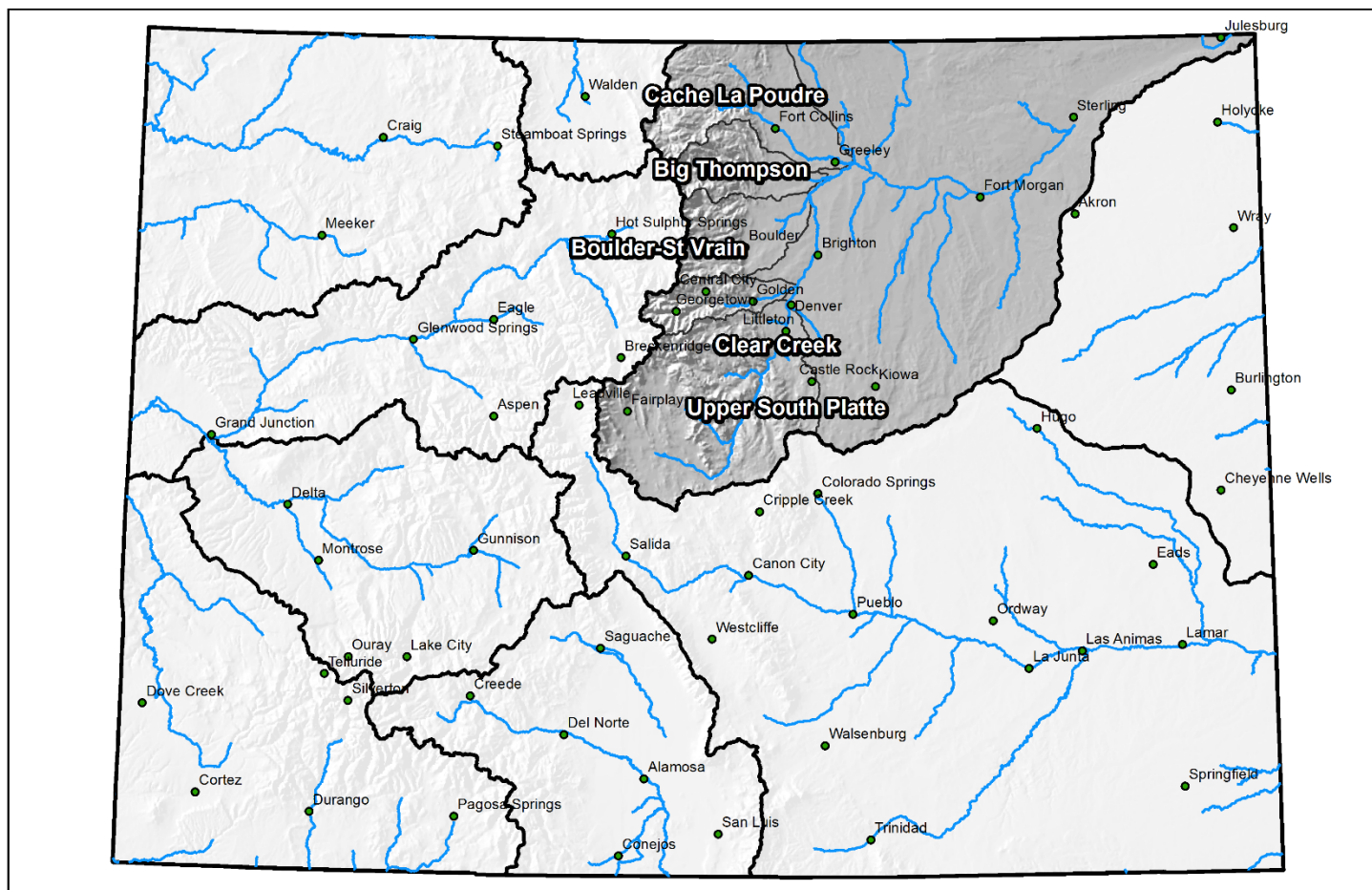


COLORADO RIVER BASIN Reservoir Storage Departure from Average



Major Basin Summary

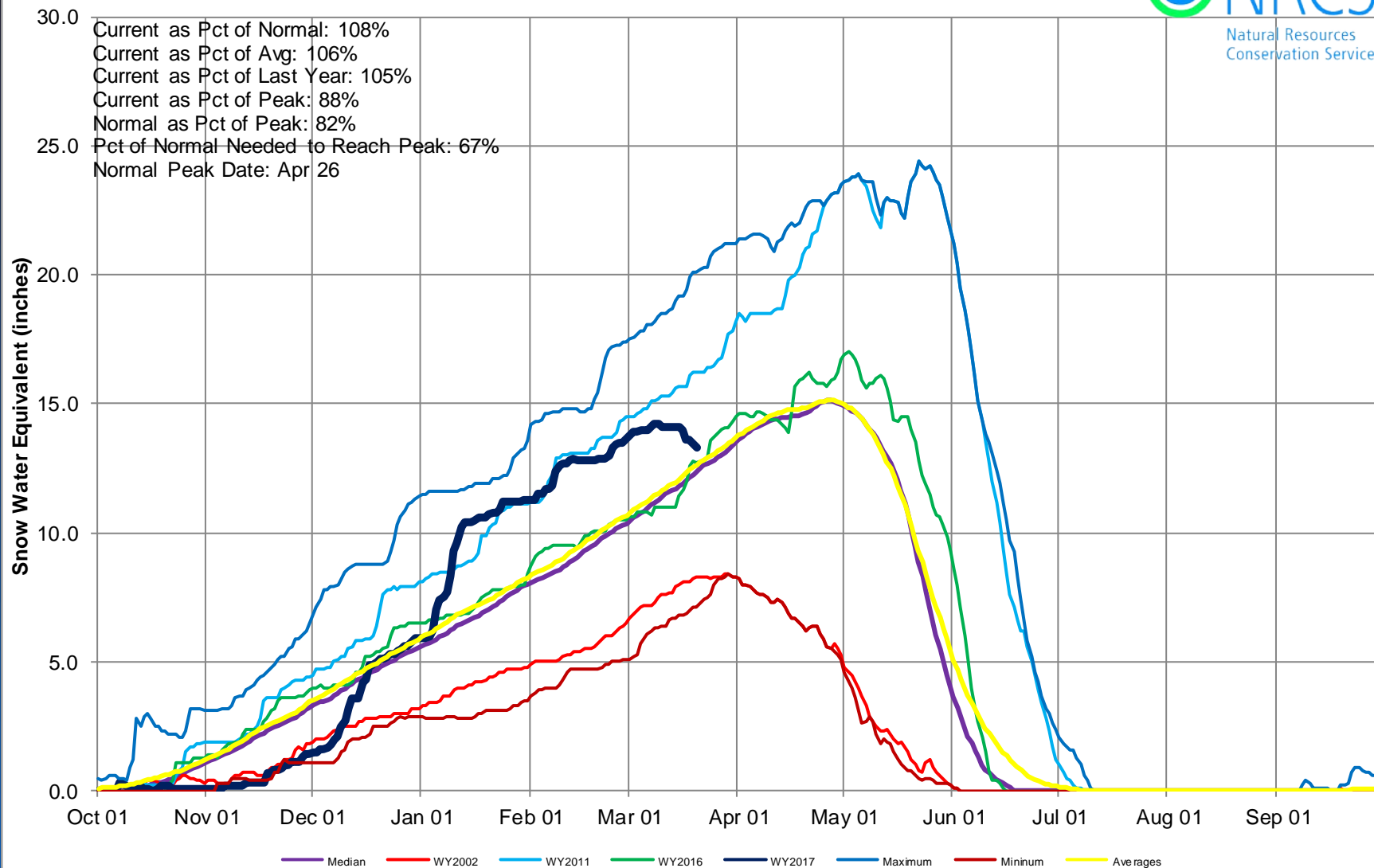
South Platte River Basin





South Platte River Basin High/Low Snowpack Summary

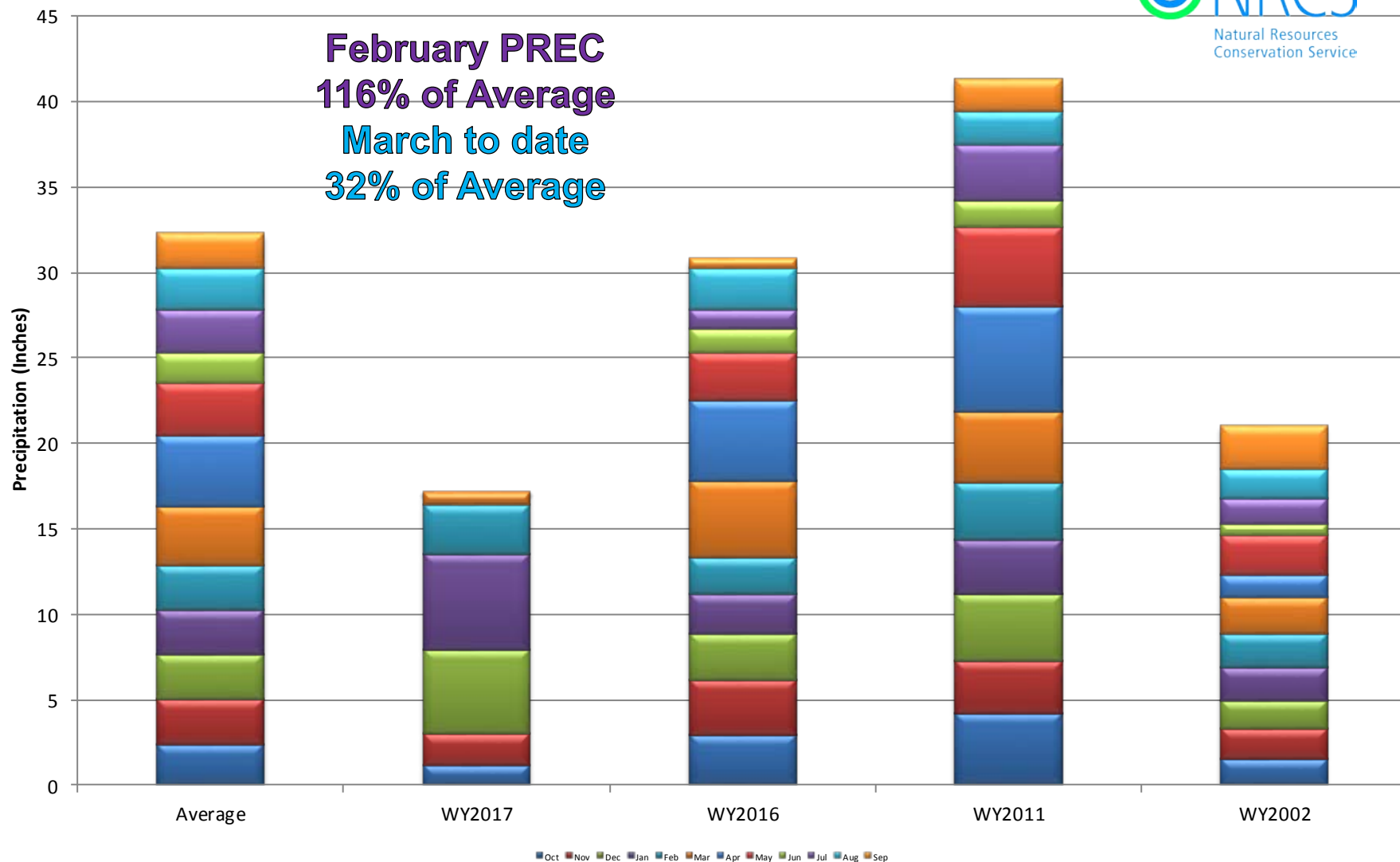
Based on Provisional SNOTEL data as of Mar 20, 2017





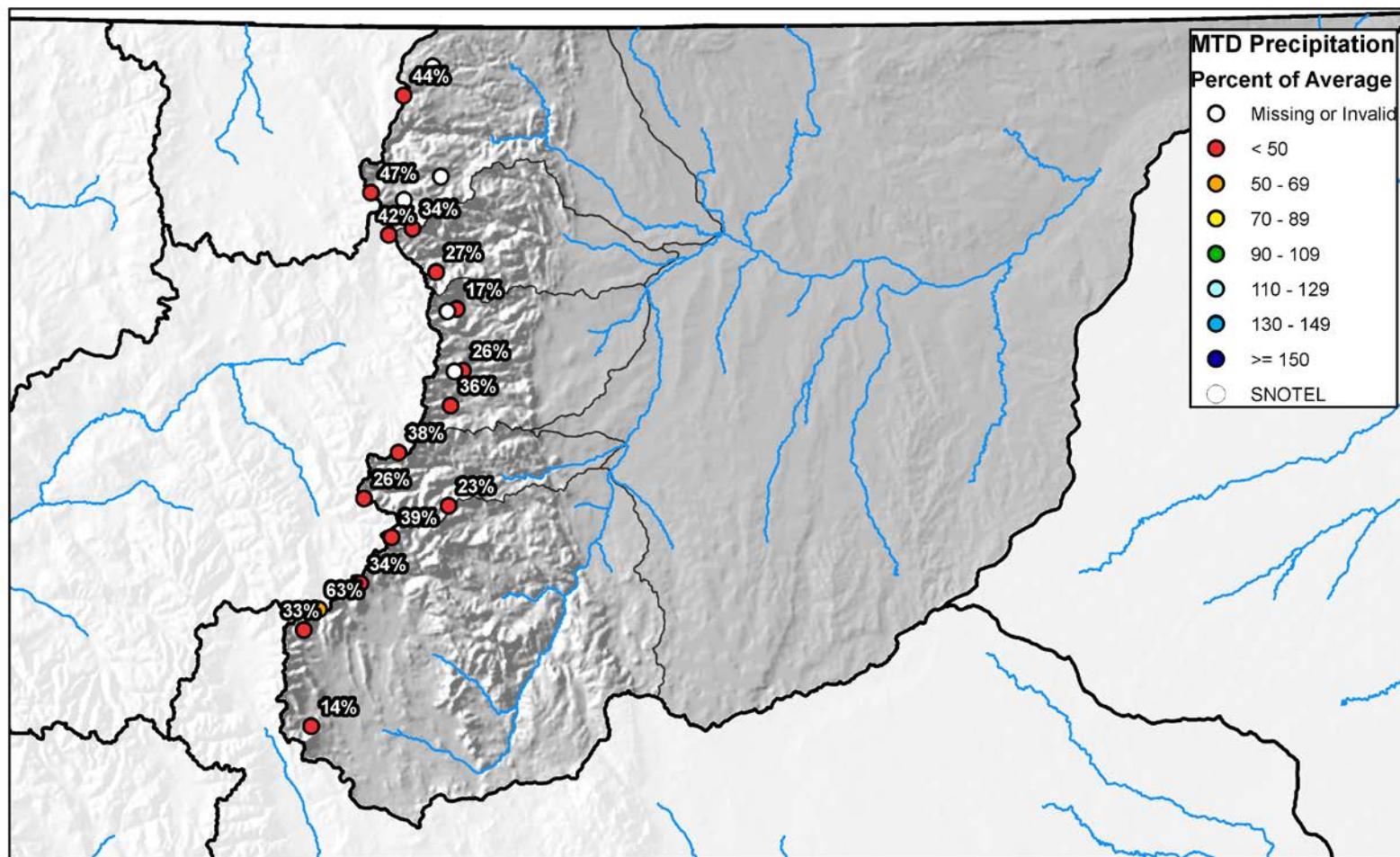
South Platte River Basin High/Low Monthly Precipitation Summary

Based on Provisional SNOTEL data as of Mar 20, 2017



South Platte River Basin Month to Date Precipitation Summary

Current as of Mar 20, 2017

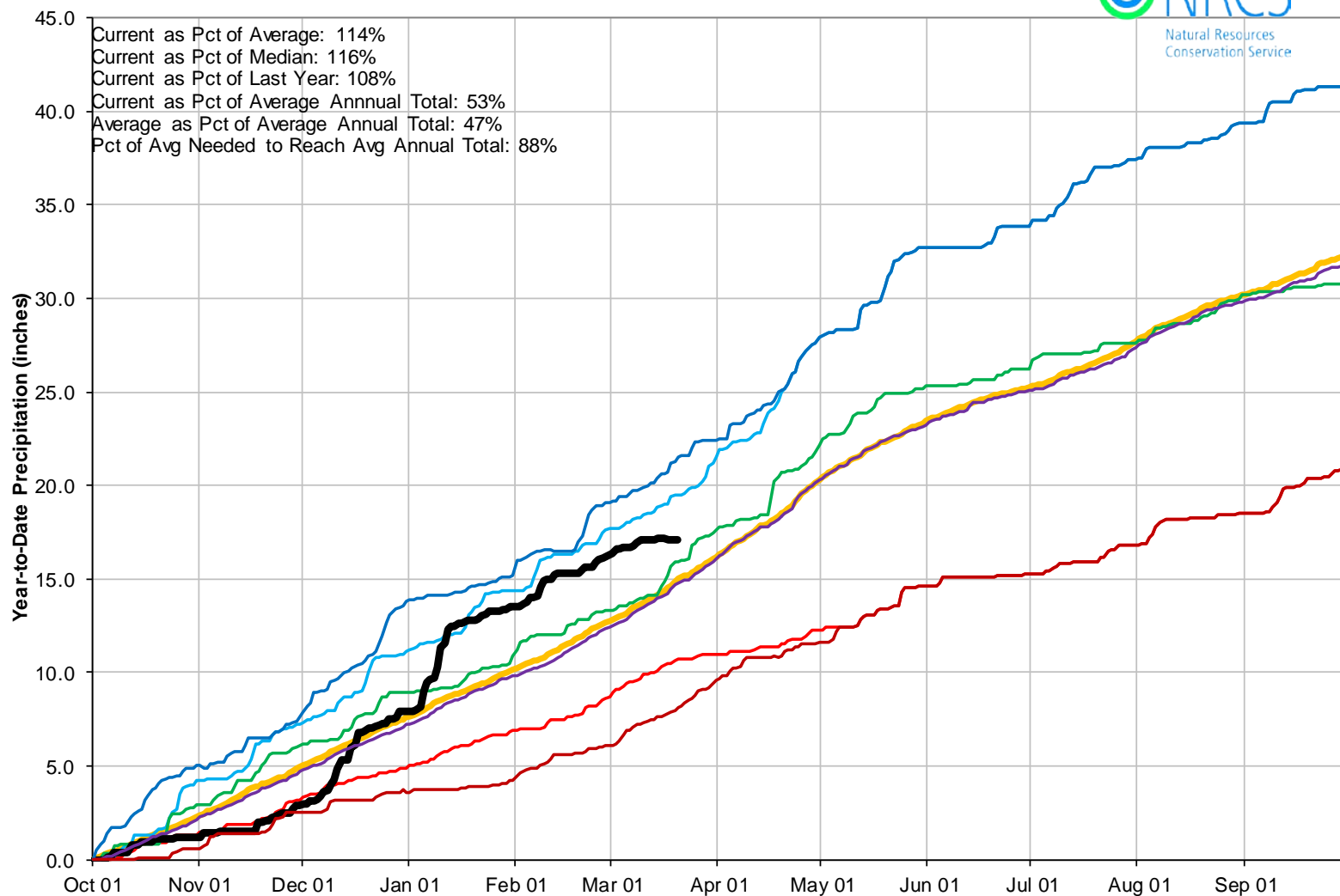


0 10 20 40 60 80 Miles



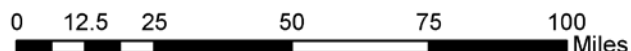
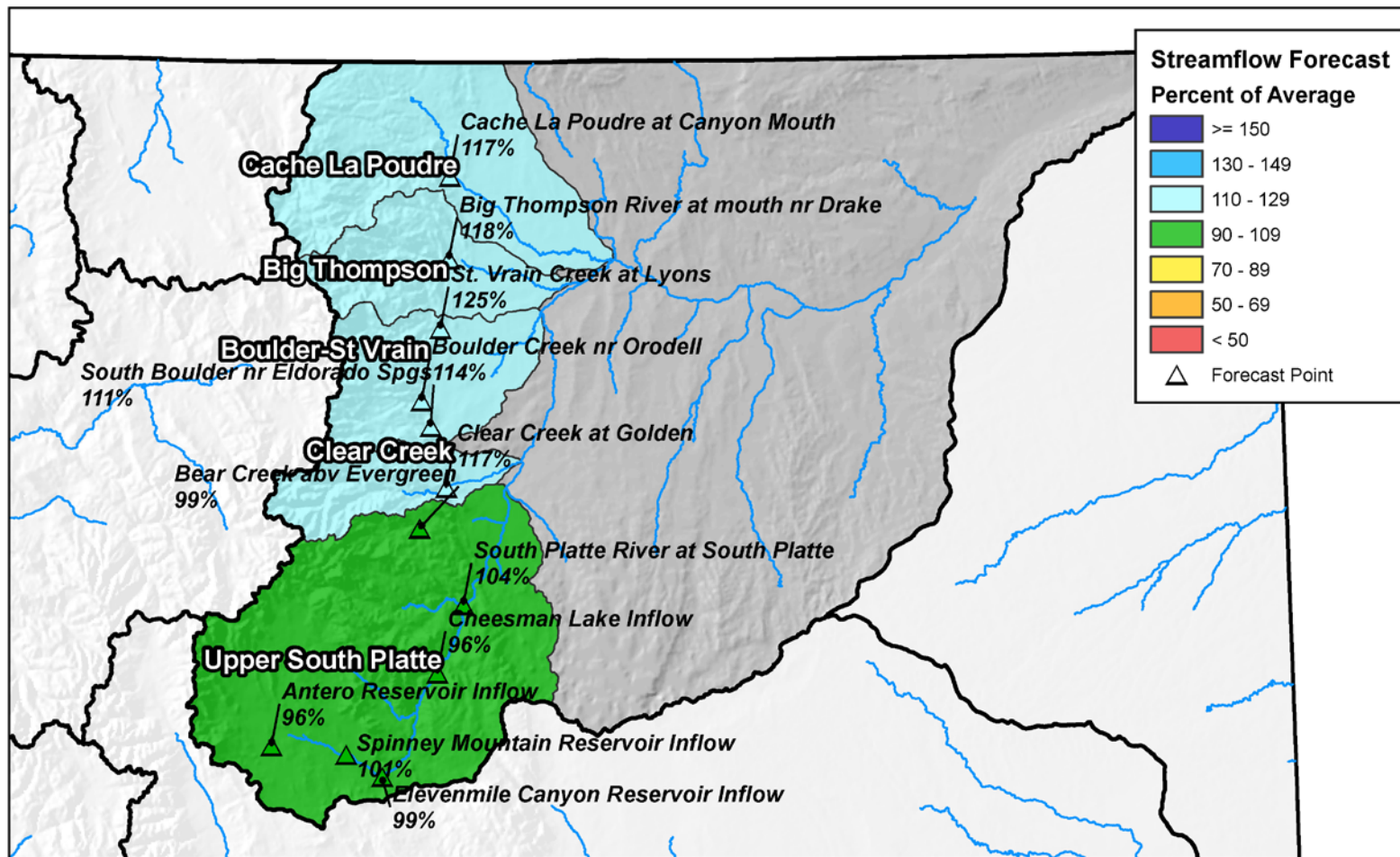
South Platte River Basin High/Low Year-to-Date Precipitation Summary

Based on Provisional SNOTEL data as of Mar 20, 2017



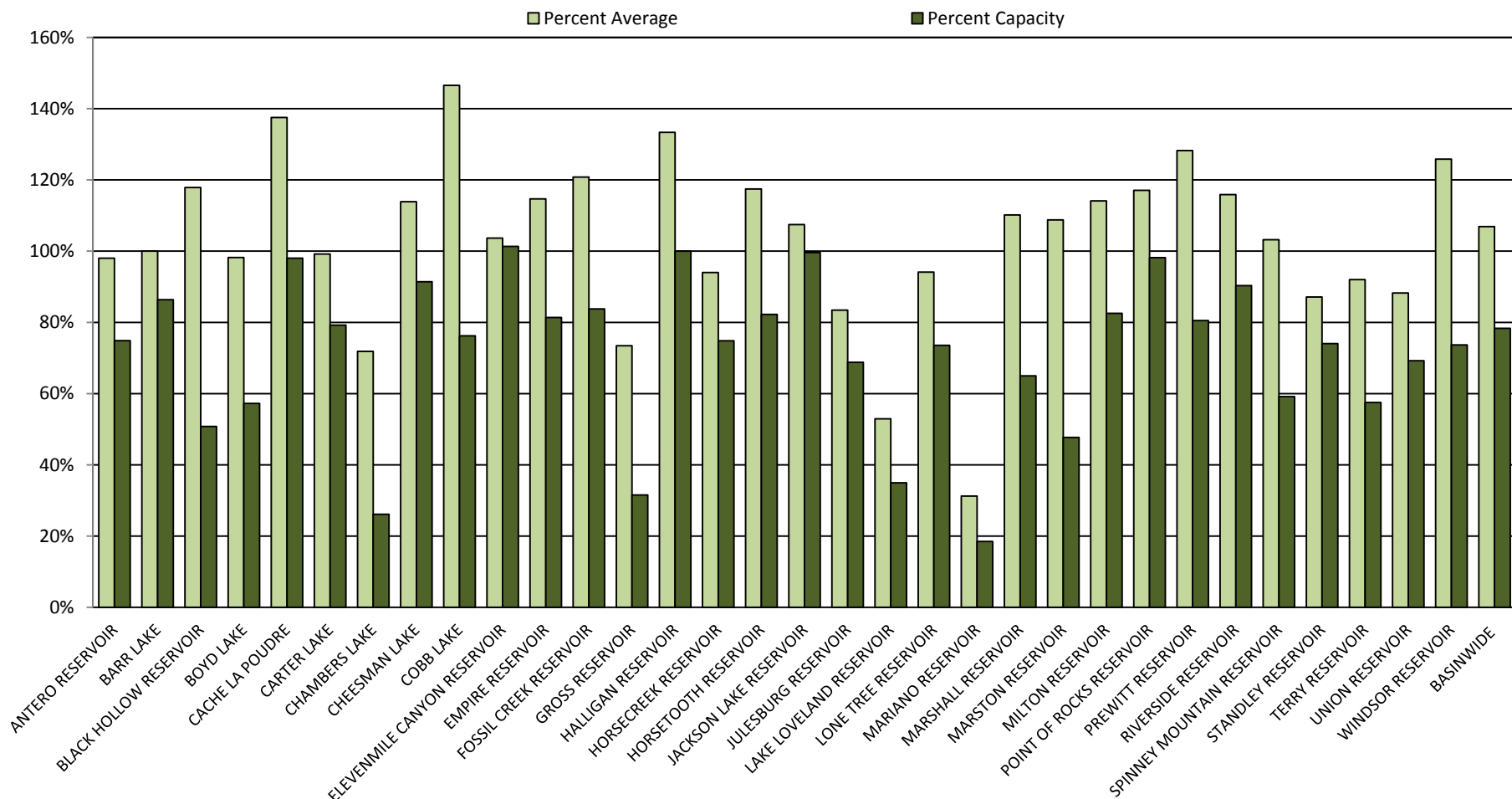
South Platte River Basin Streamflow Forecast Summary

March 1, 2017



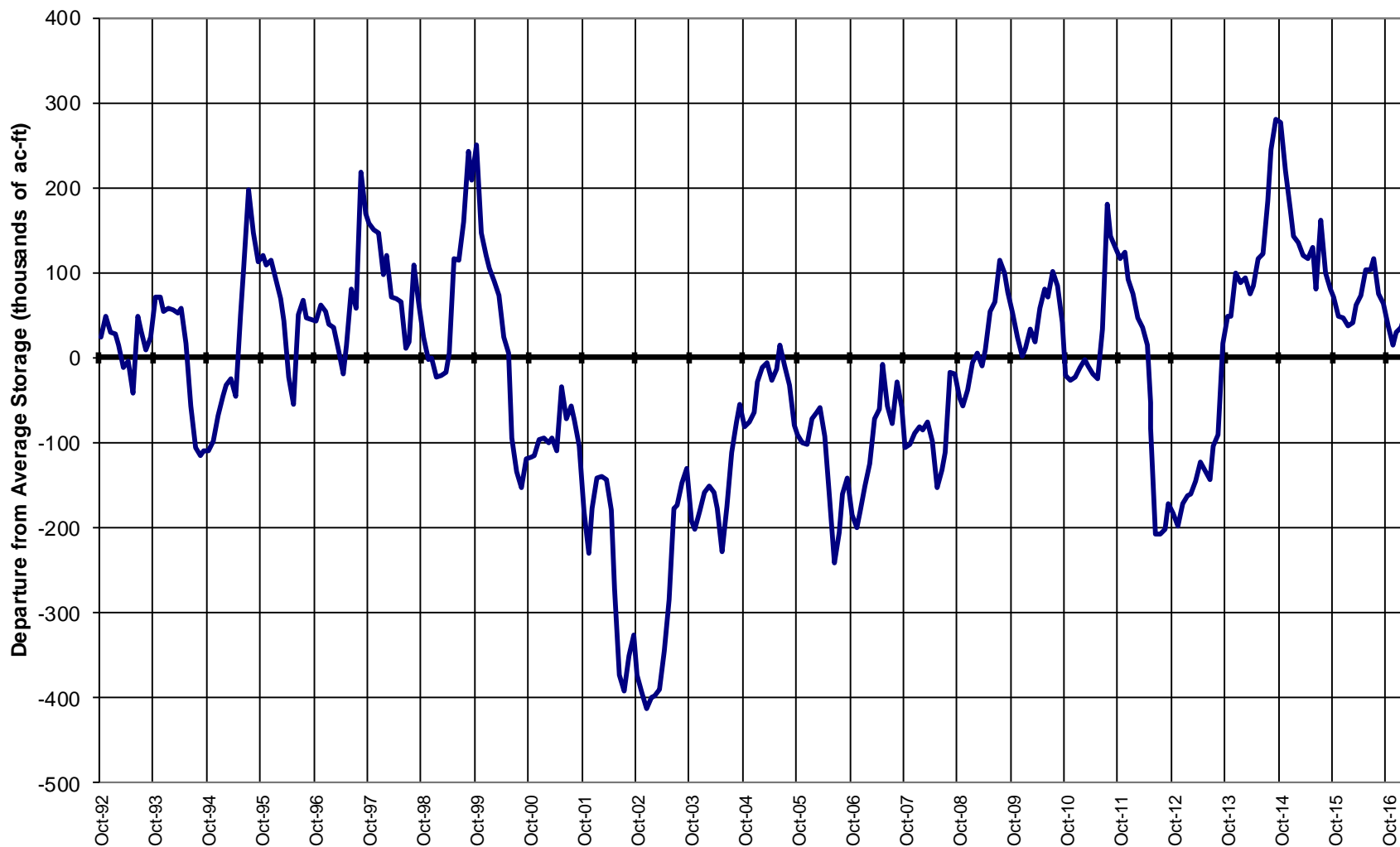


Reservoir Storage



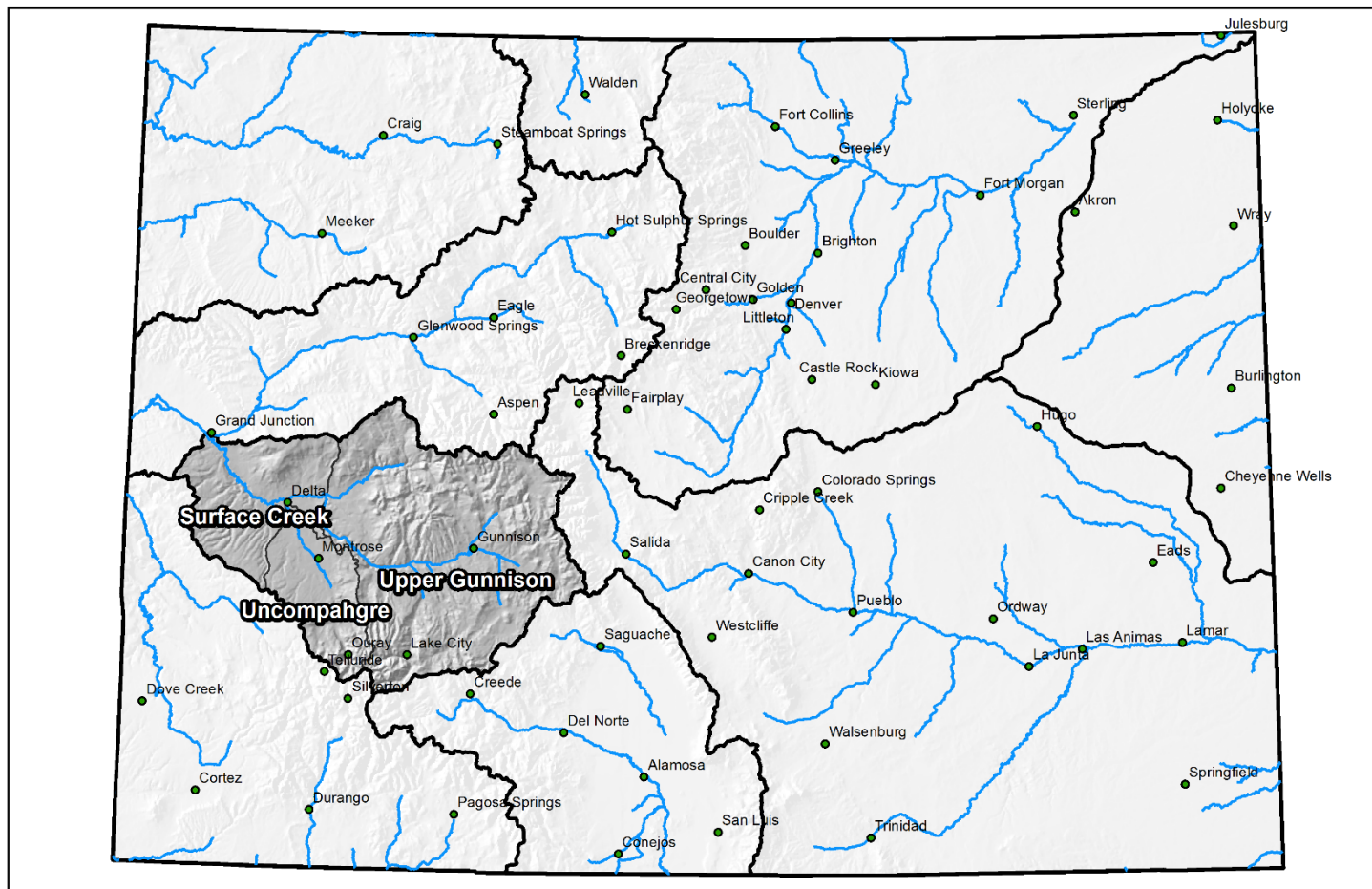


SOUTH PLATTE RIVER BASIN Reservoir Storage Departure from Average



Major Basin Summary

Gunnison River Basin

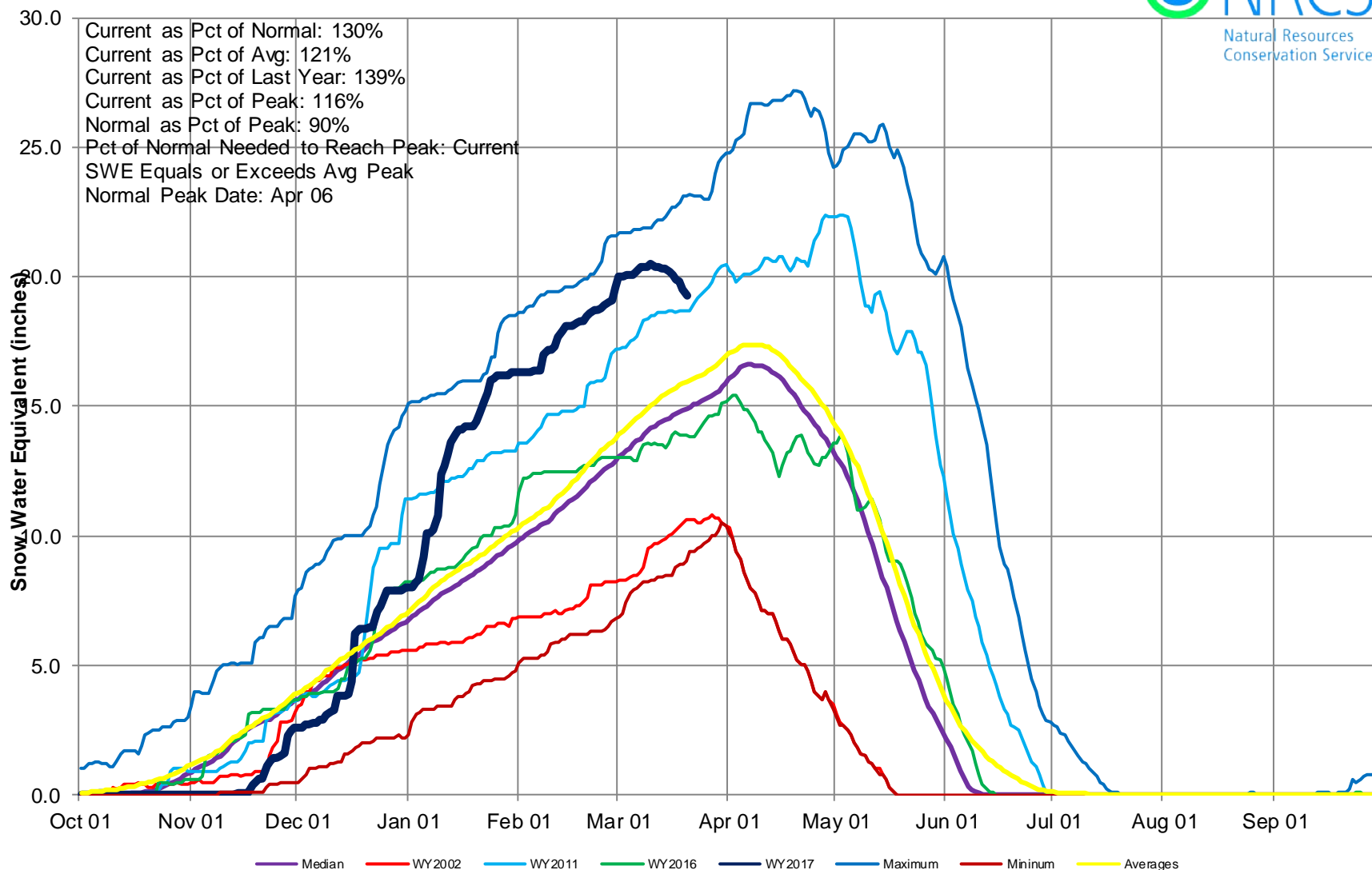


0 25 50 100 150 200 Miles



Gunnison River Basin High/Low Snowpack Summary

Based on Provisional SNOTEL data as of Mar 20, 2017



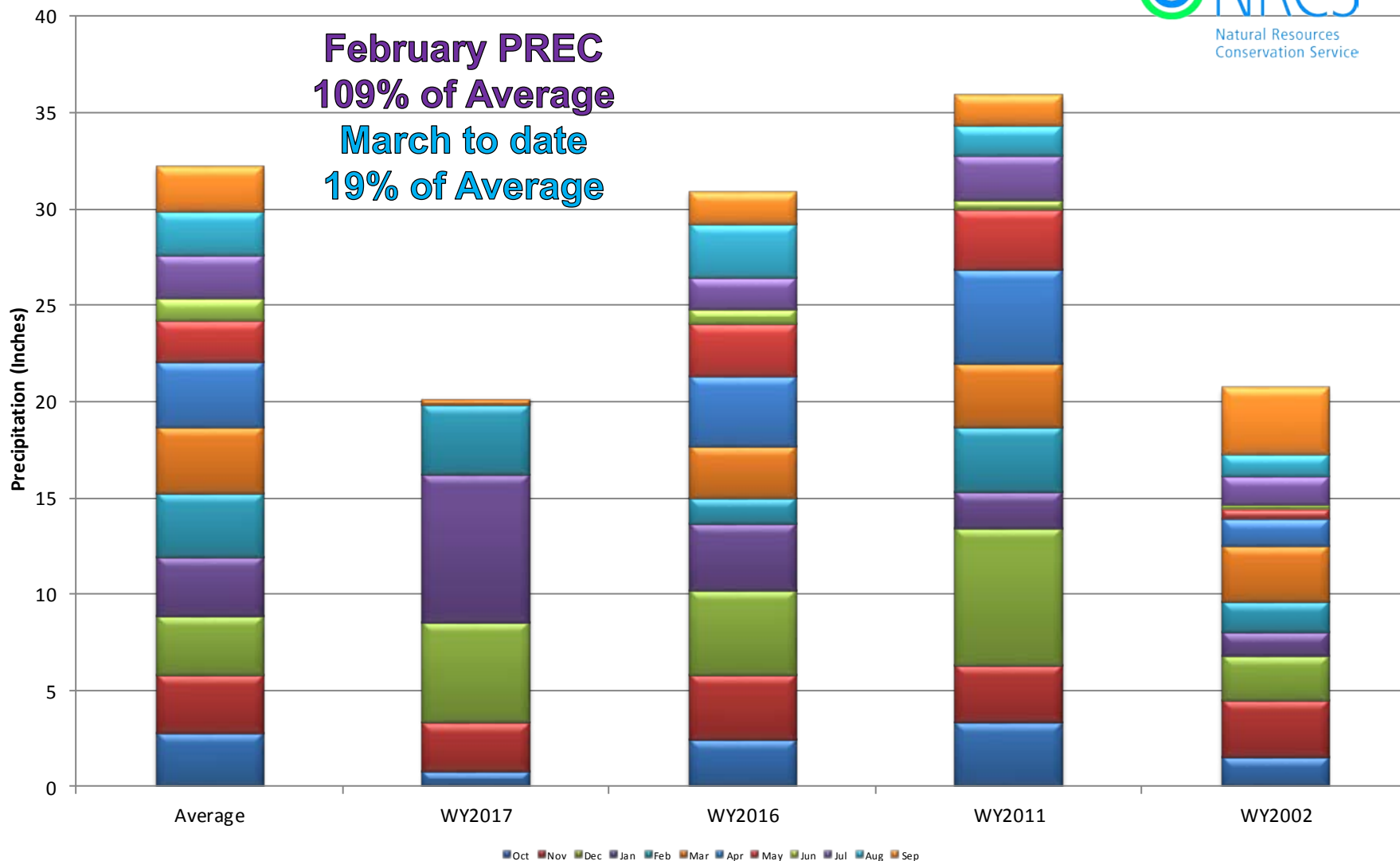


Gunnison River Basin High/Low Monthly Precipitation Summary

Based on Provisional SNOTEL data as of Mar 20, 2017

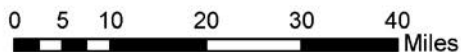
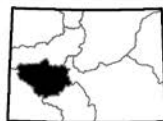
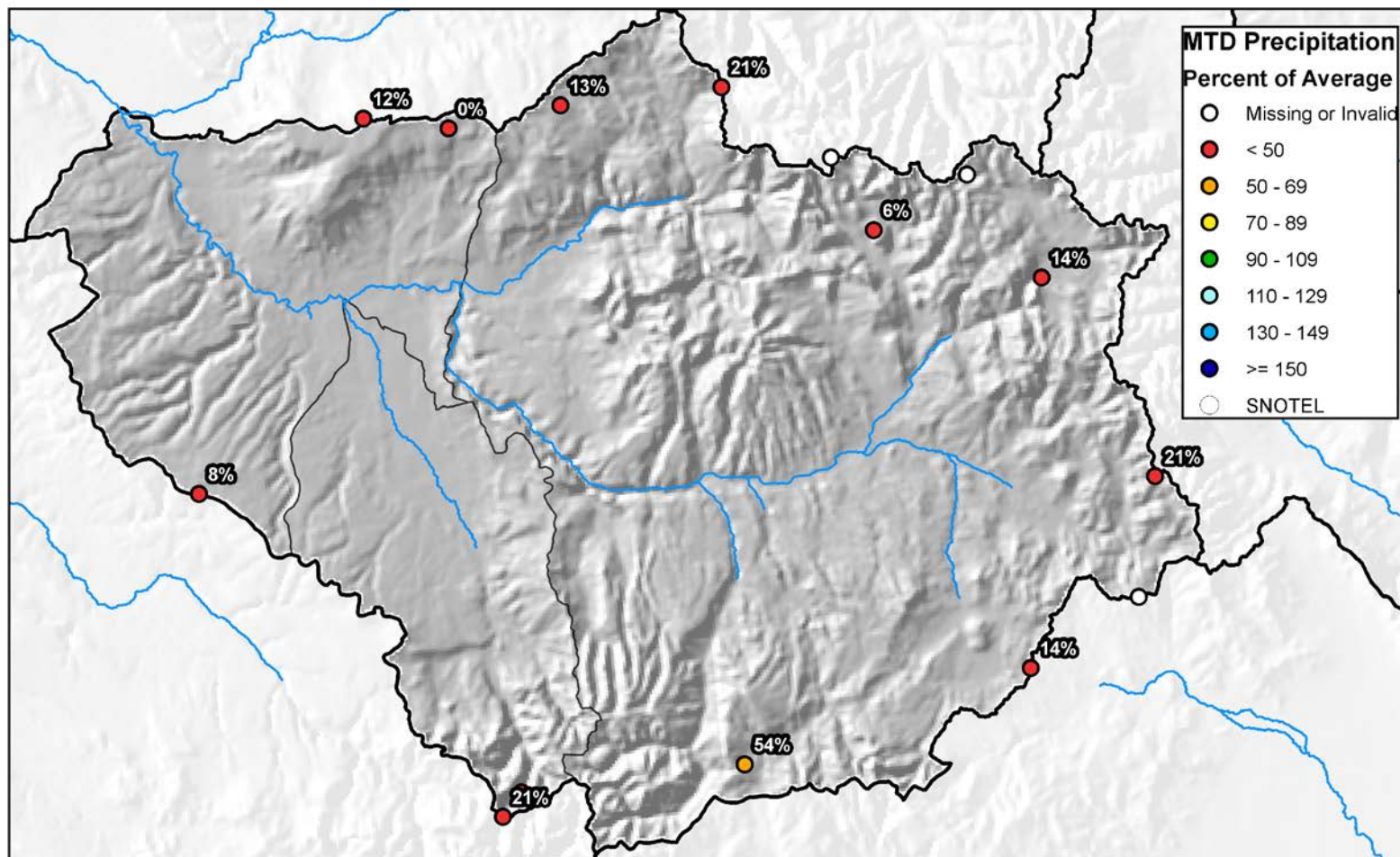


February PREC
109% of Average
March to date
19% of Average



Gunnison River Basin Month to Date Precipitation Summary

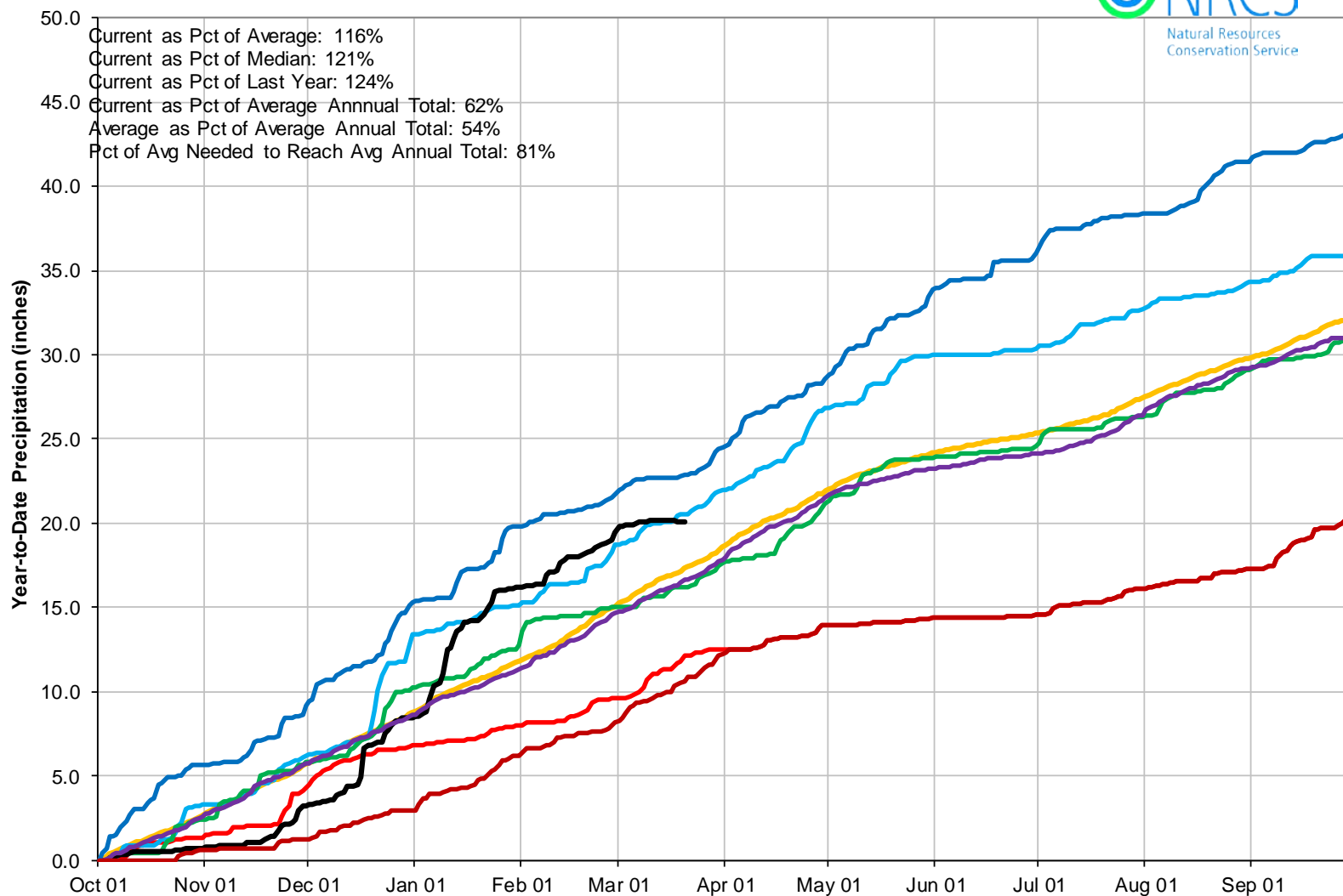
Current as of Mar 20, 2017





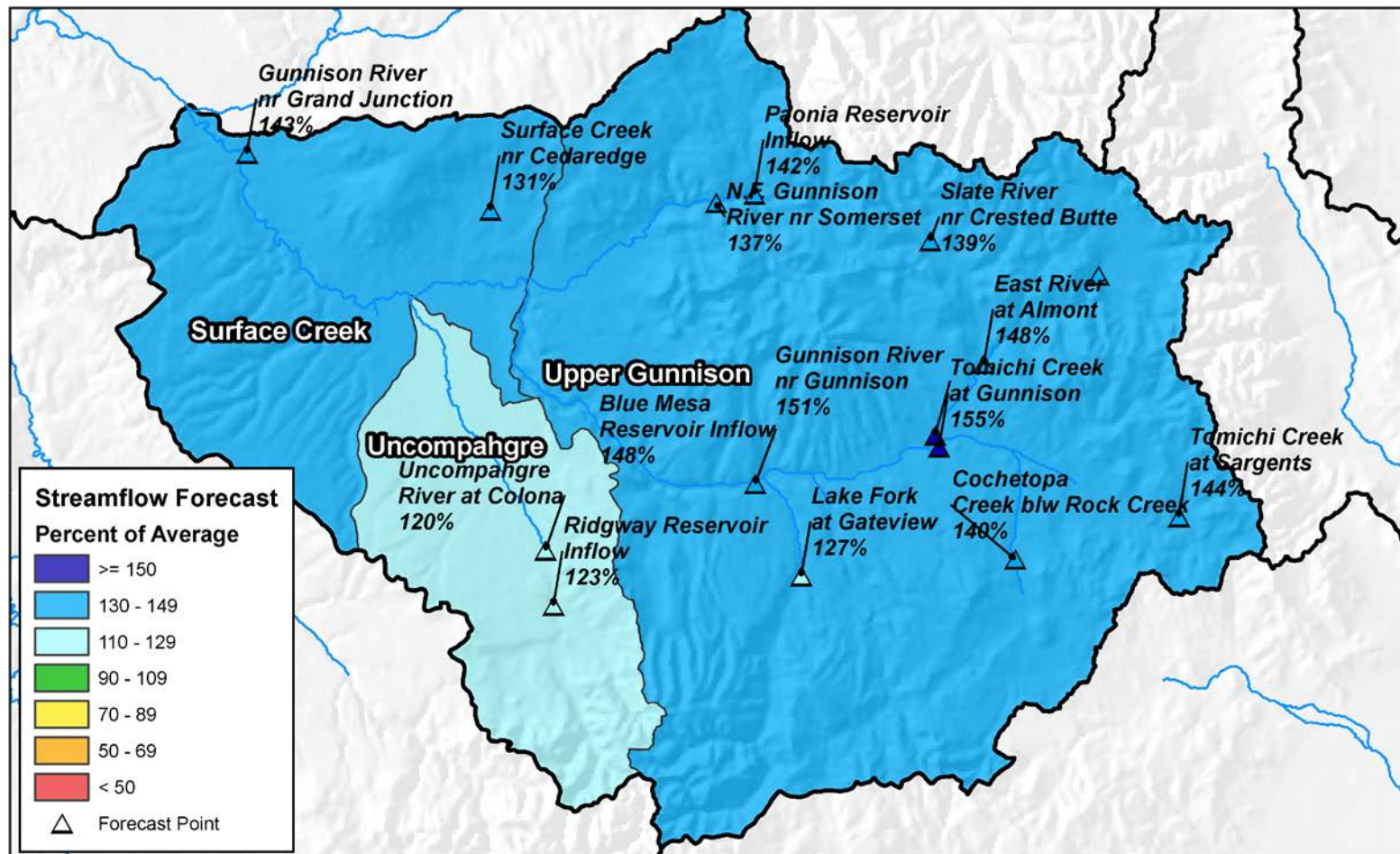
Gunnison River Basin High/Low Year-to-Date Precipitation Summary

Based on Provisional SNOTEL data as of Mar 20, 2017



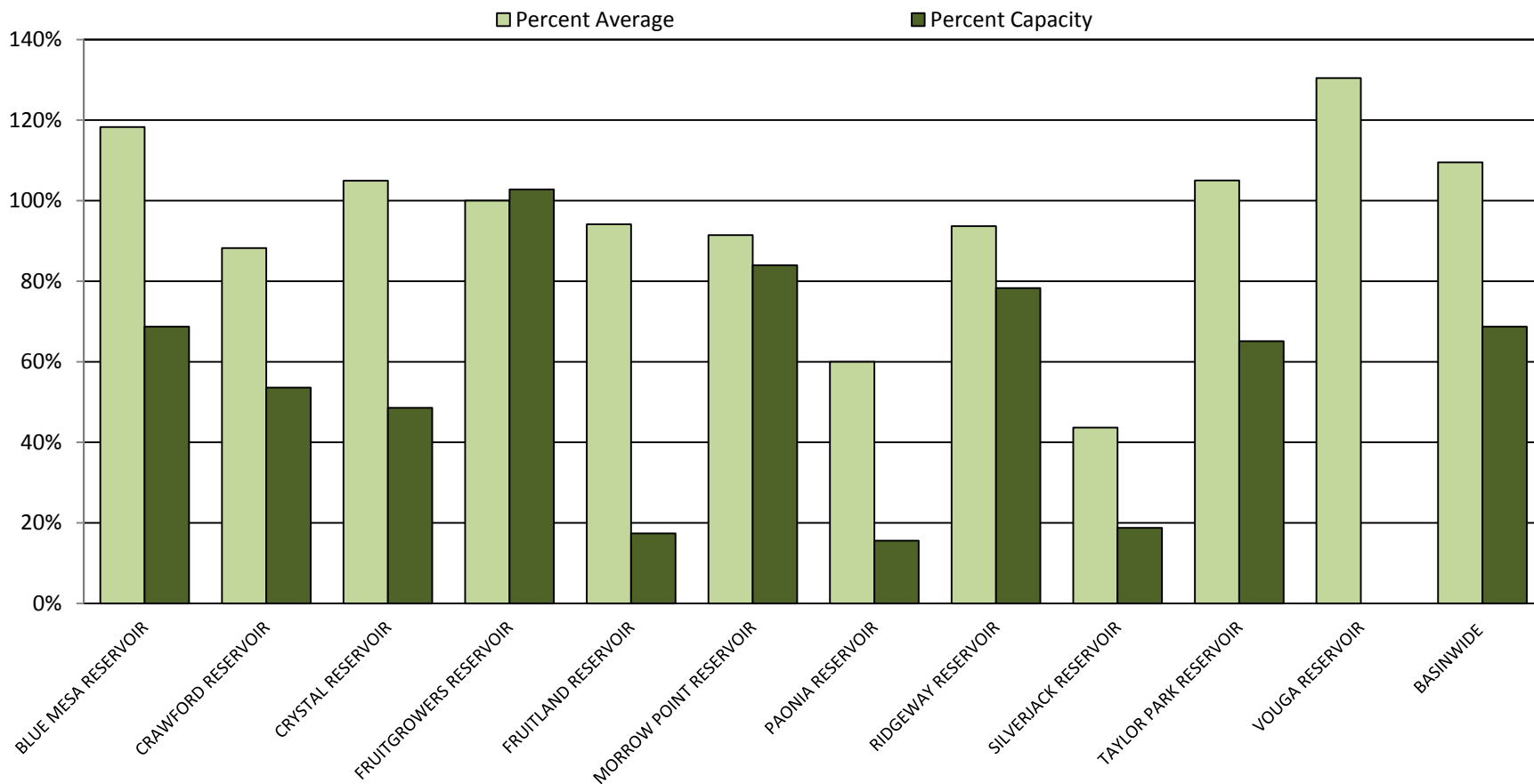
Gunnison River Basin Water Supply Forecast Summary

March 1, 2017



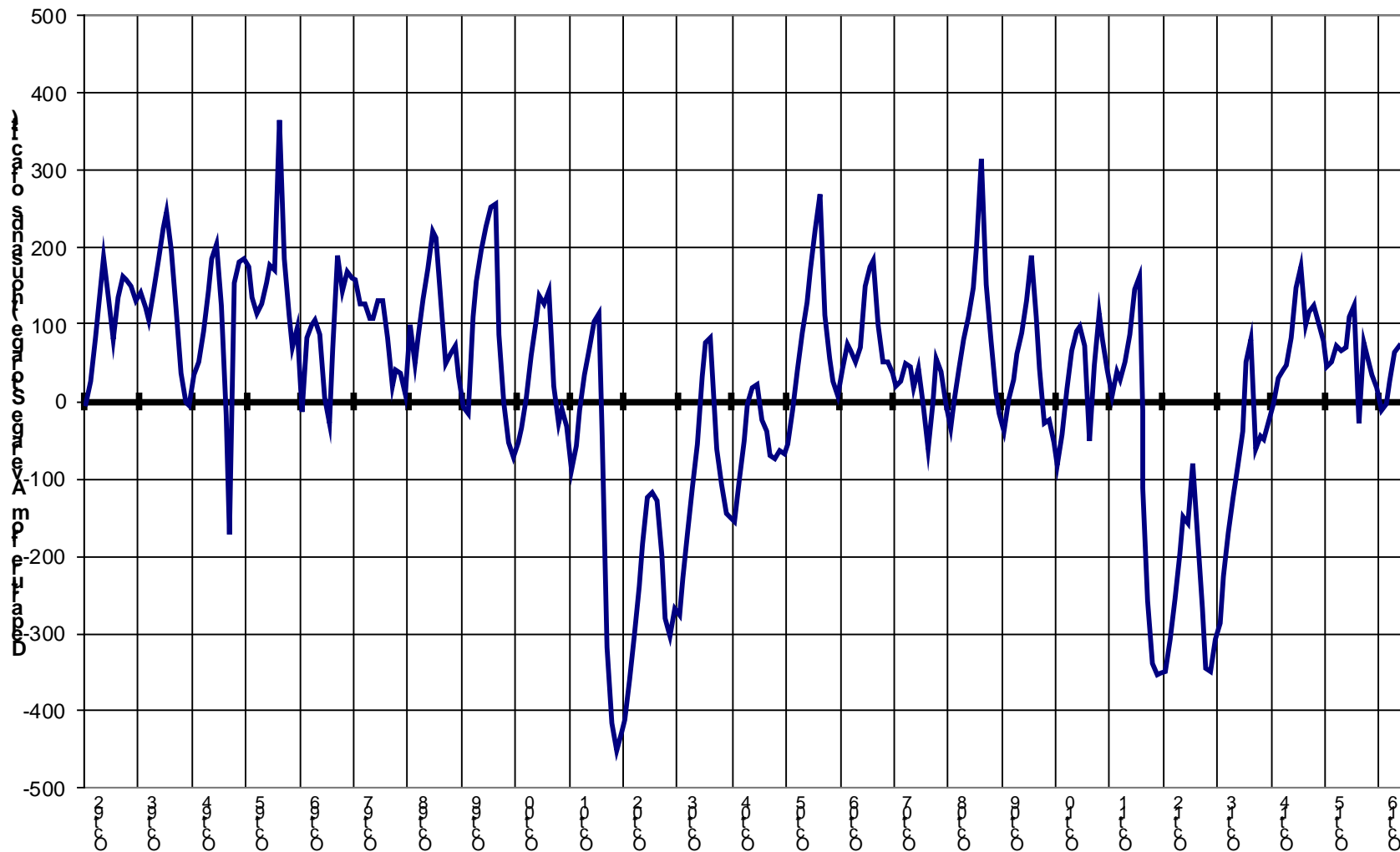
0 5 10 20 30 40 Miles

Reservoir Storage



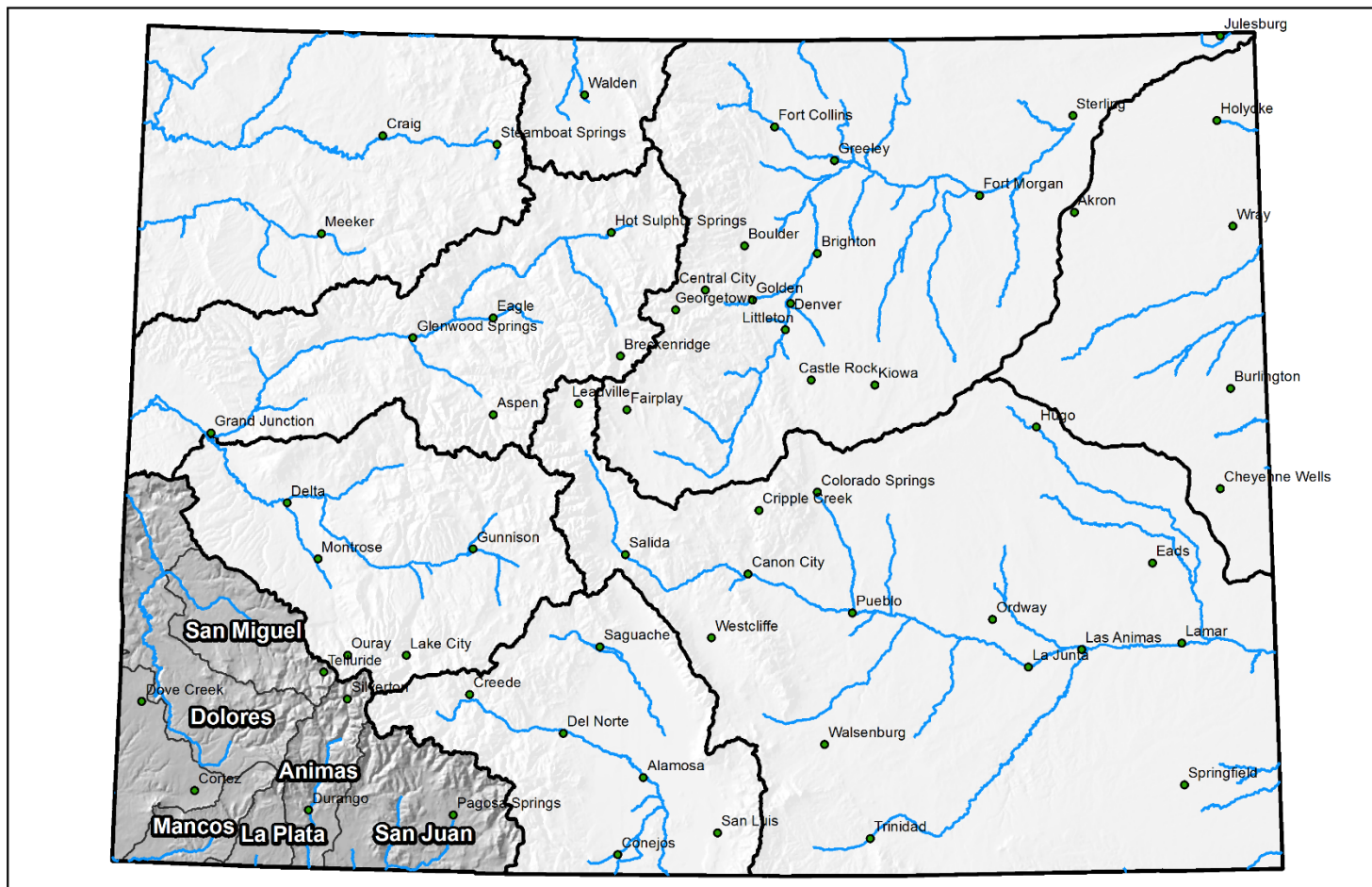


GUNNISON RIVER BASIN Reservoir Storage Departure from Average



Major Basin Summary

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

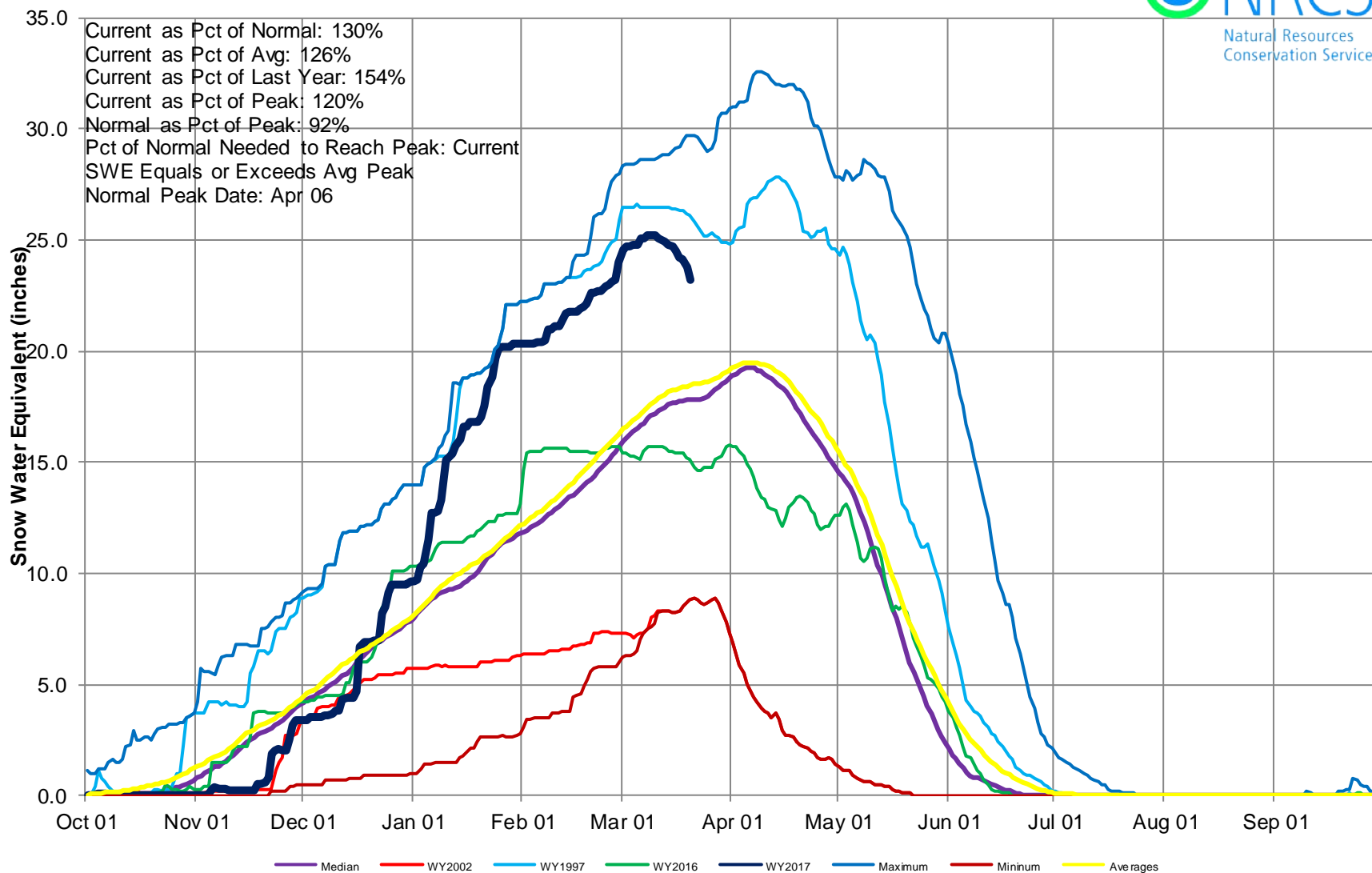


0 25 50 100 150 200 Miles



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

Based on Provisional SNOTEL data as of Mar 20, 2017

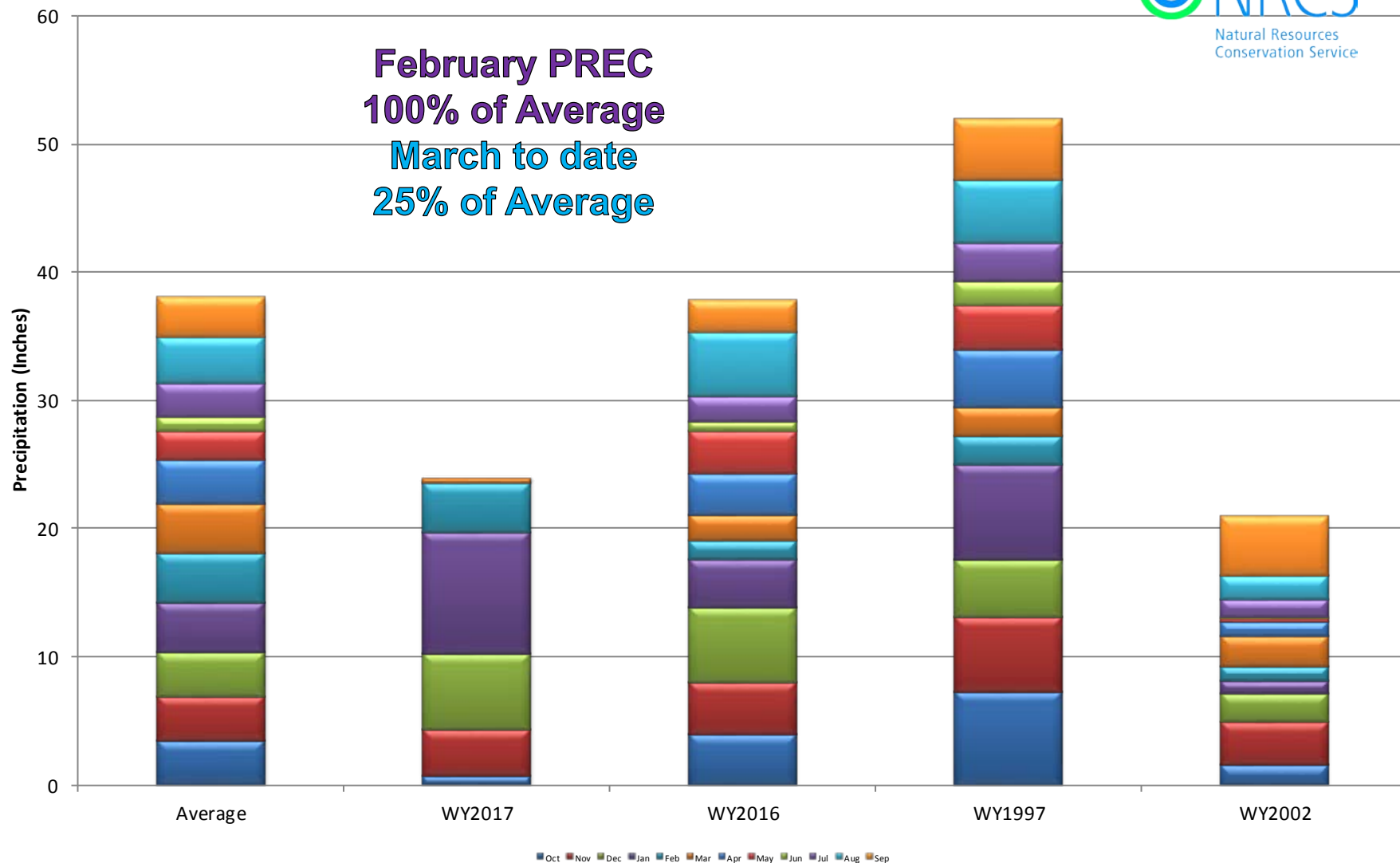


San Miguel, Dolores, Animas & San Juan River Basins High/Low Monthly Precipitation Summary



February PREC
100% of Average

March to date
25% of Average

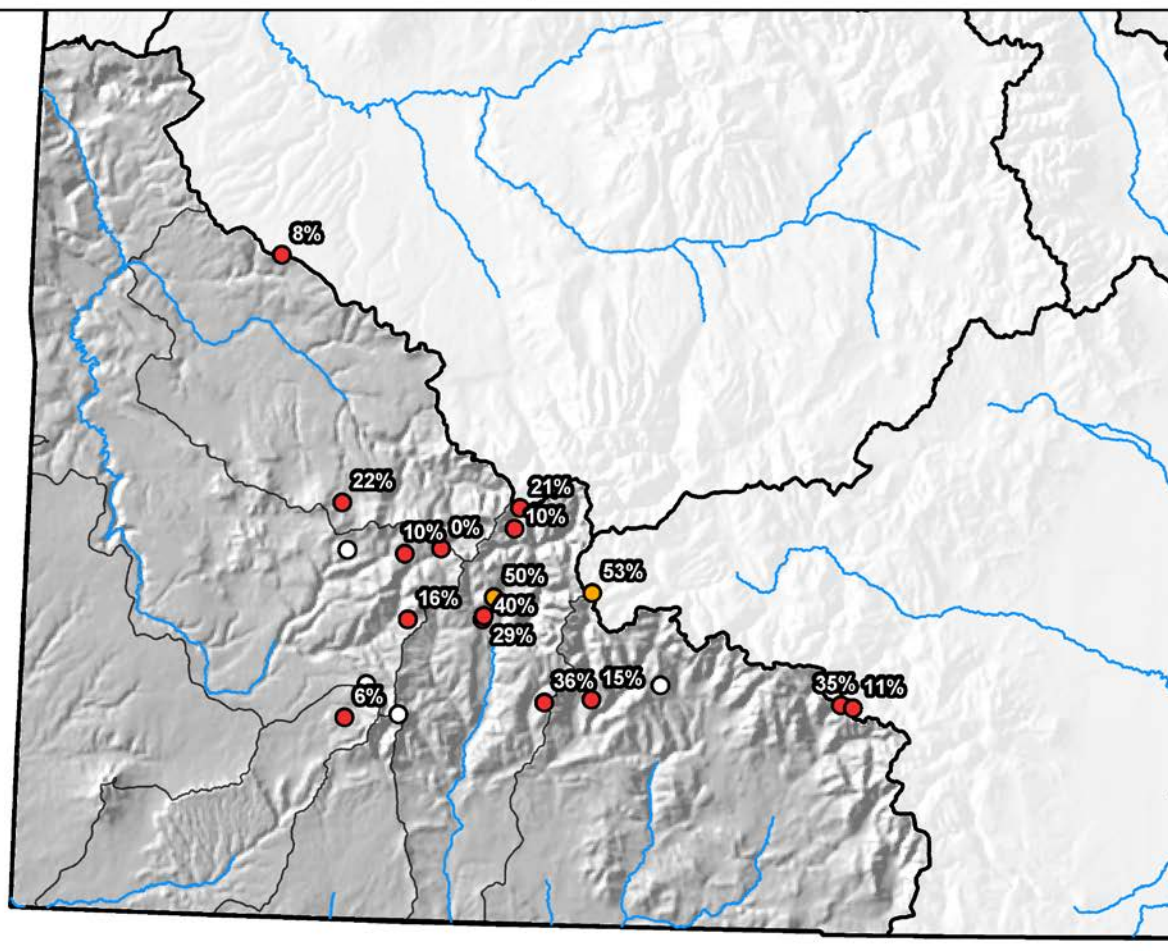


San Miguel, Dolores, Animas, and San Juan River Basins Month to Date Precipitation Summary

Current as of Mar 20, 2017

MTD Precipitation Percent of Average

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

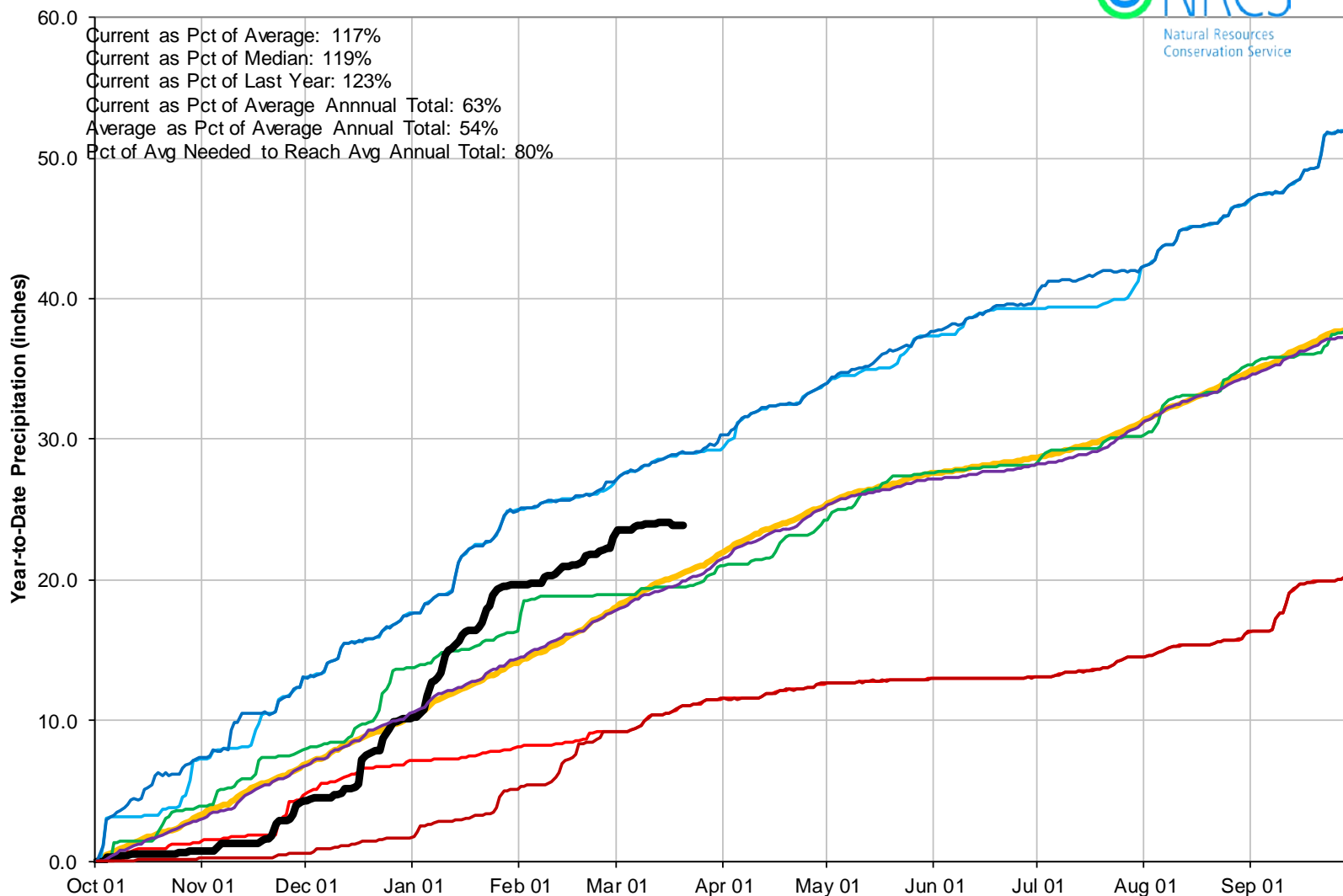


0 10 20 40 60 80 Miles



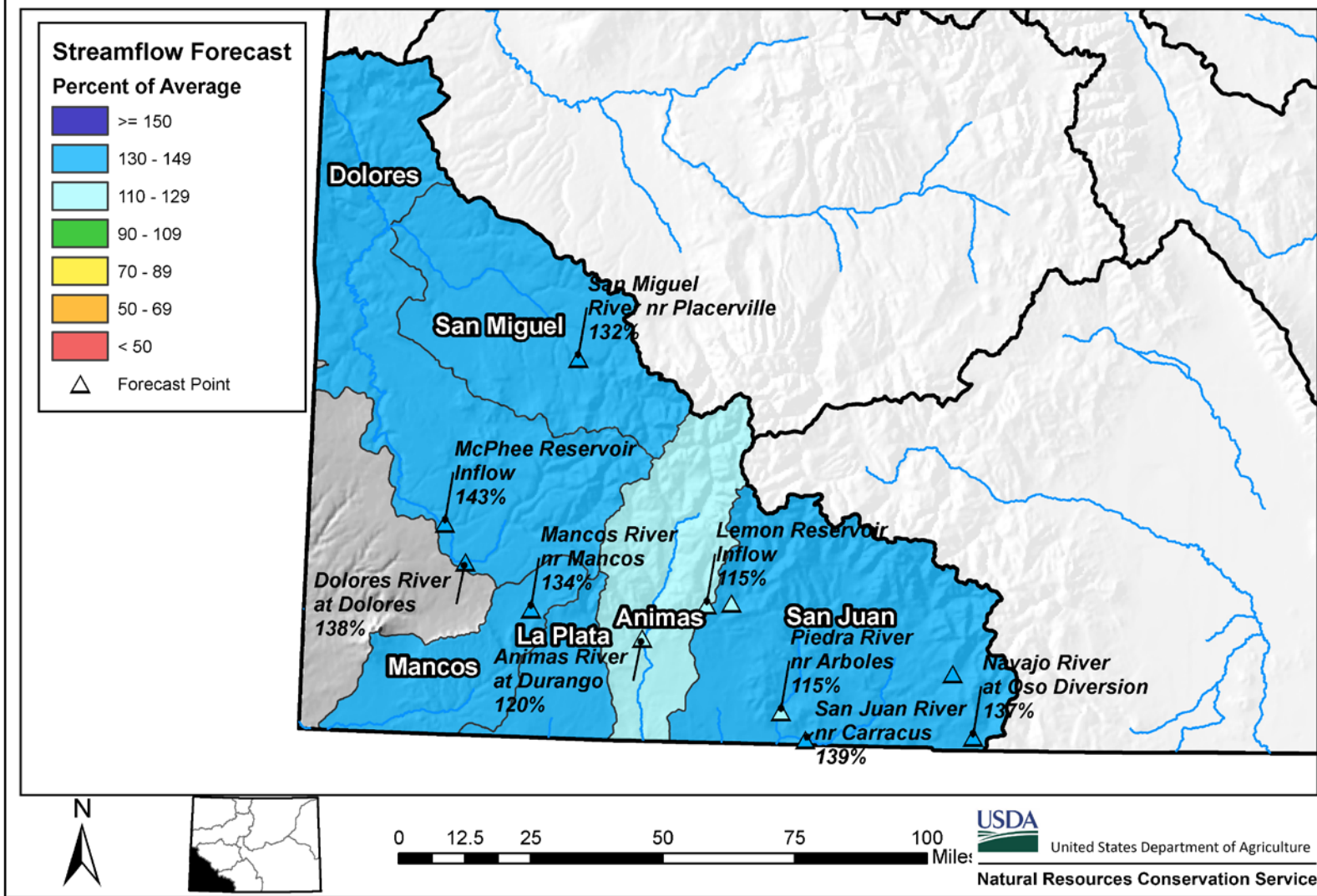
San Miguel, Dolores, Animas & San Juan River Basins High/Low Year-to-Date Precipitation Summary

Based on Provisional SNOTEL data as of Mar 20, 2017

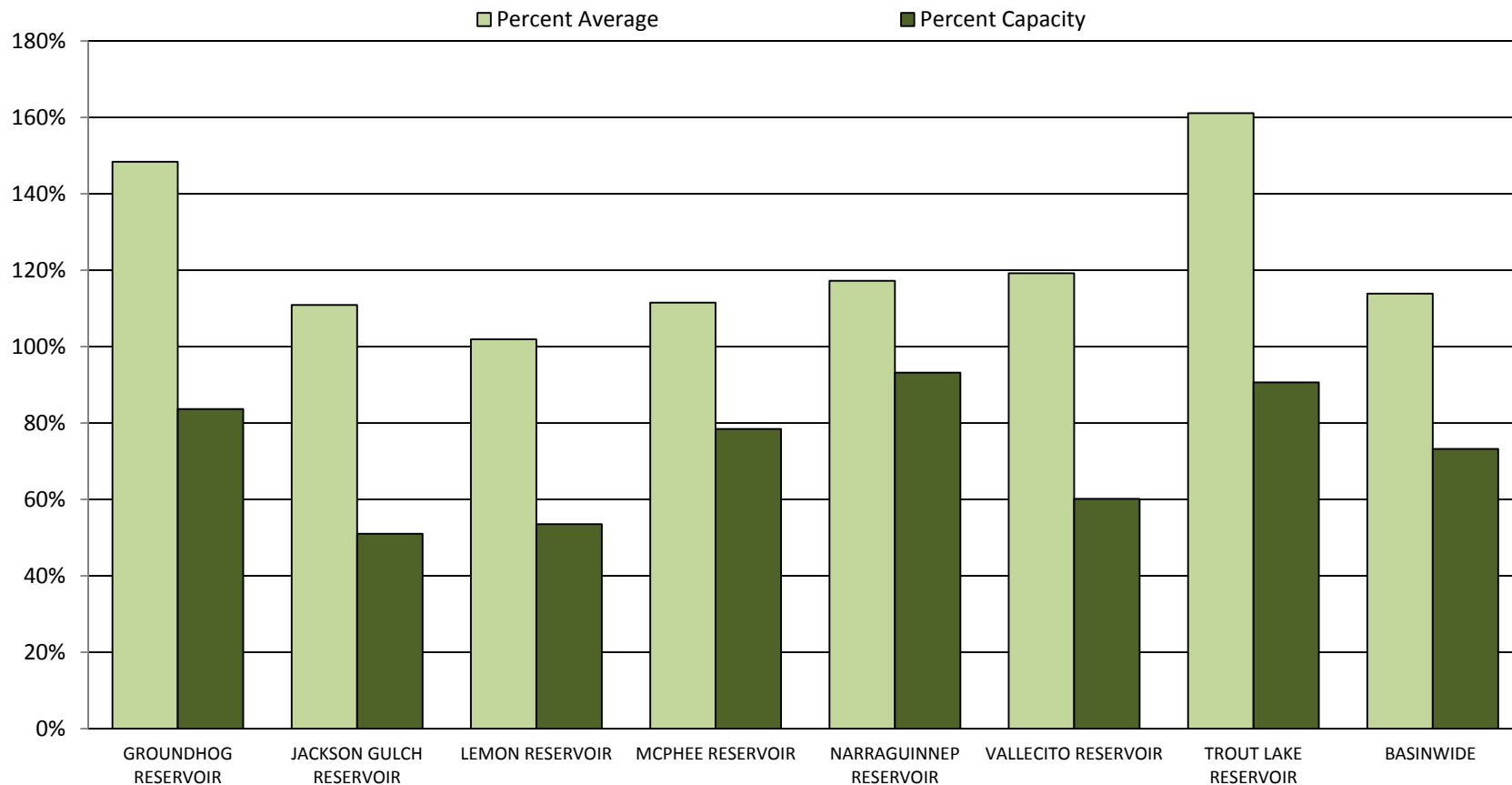


San Miguel, Dolores, Animas, and San Juan River Basins Streamflow Forecast Summary

March 1, 2017



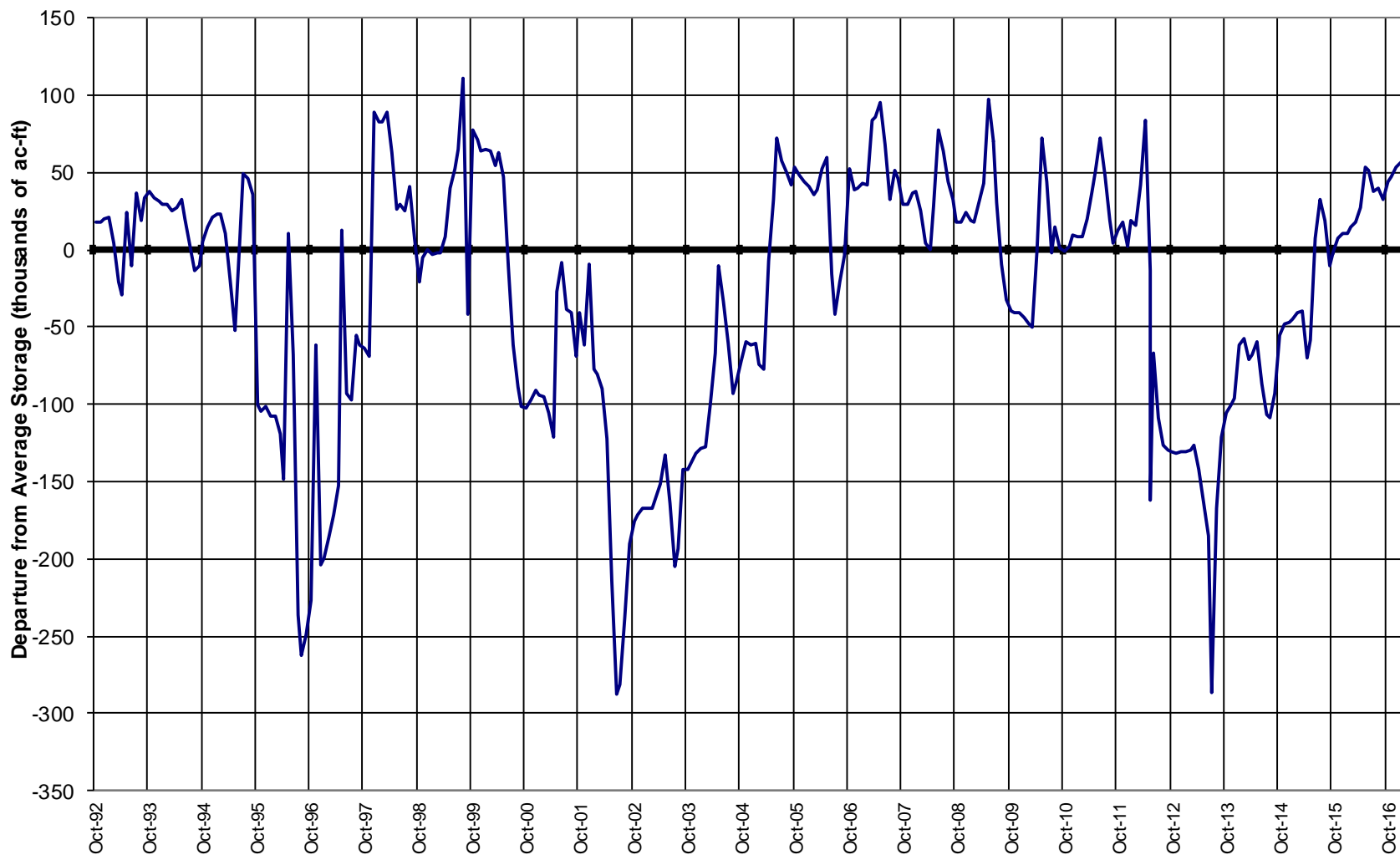
Reservoir Storage





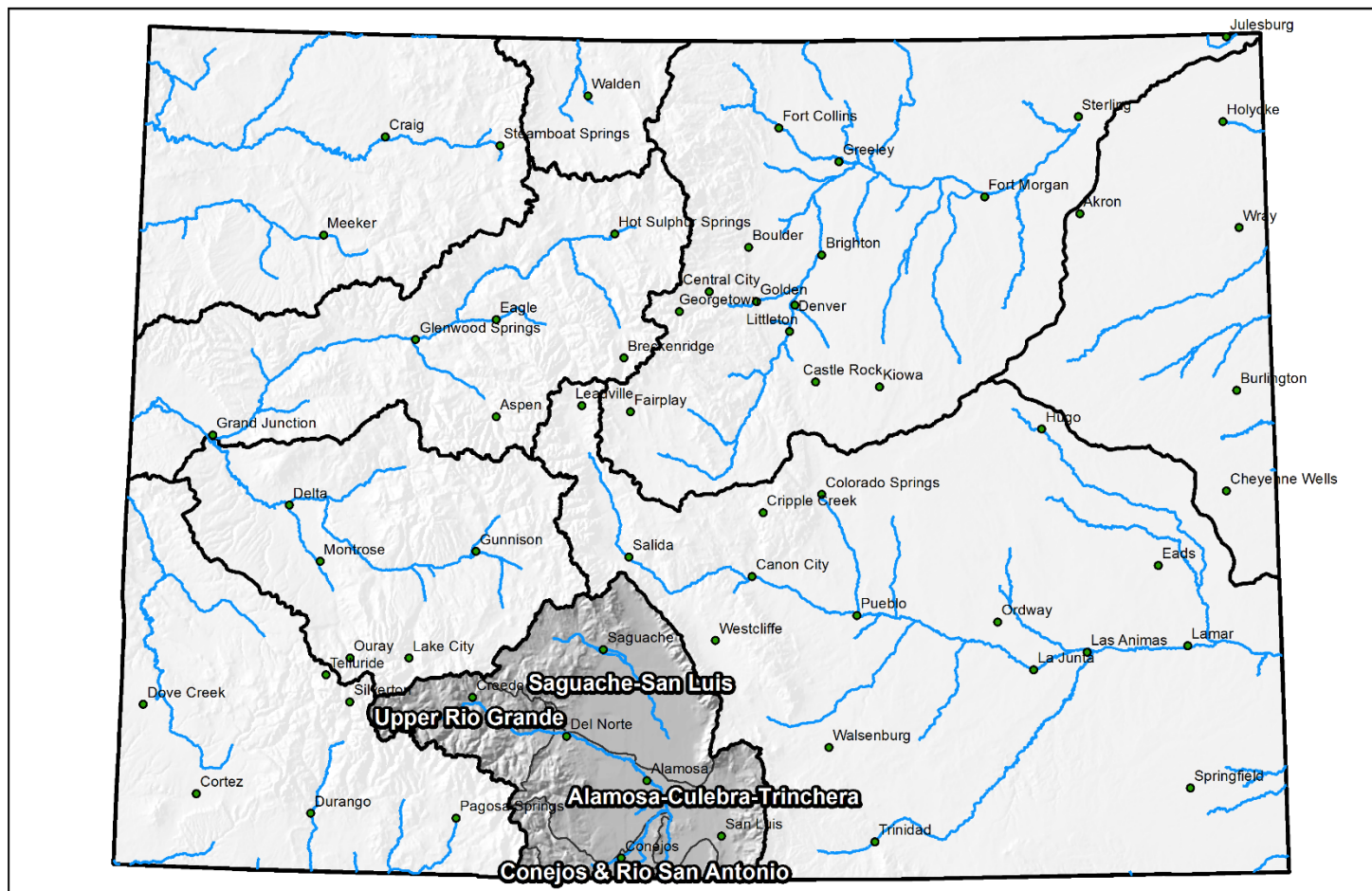
SAN MIGUEL, DOLORES, ANIMAS AND SAN JUAN RIVER BASINS

Reservoir Storage
Departure from Average



Major Basin Summary

Upper Rio Grande River Basin

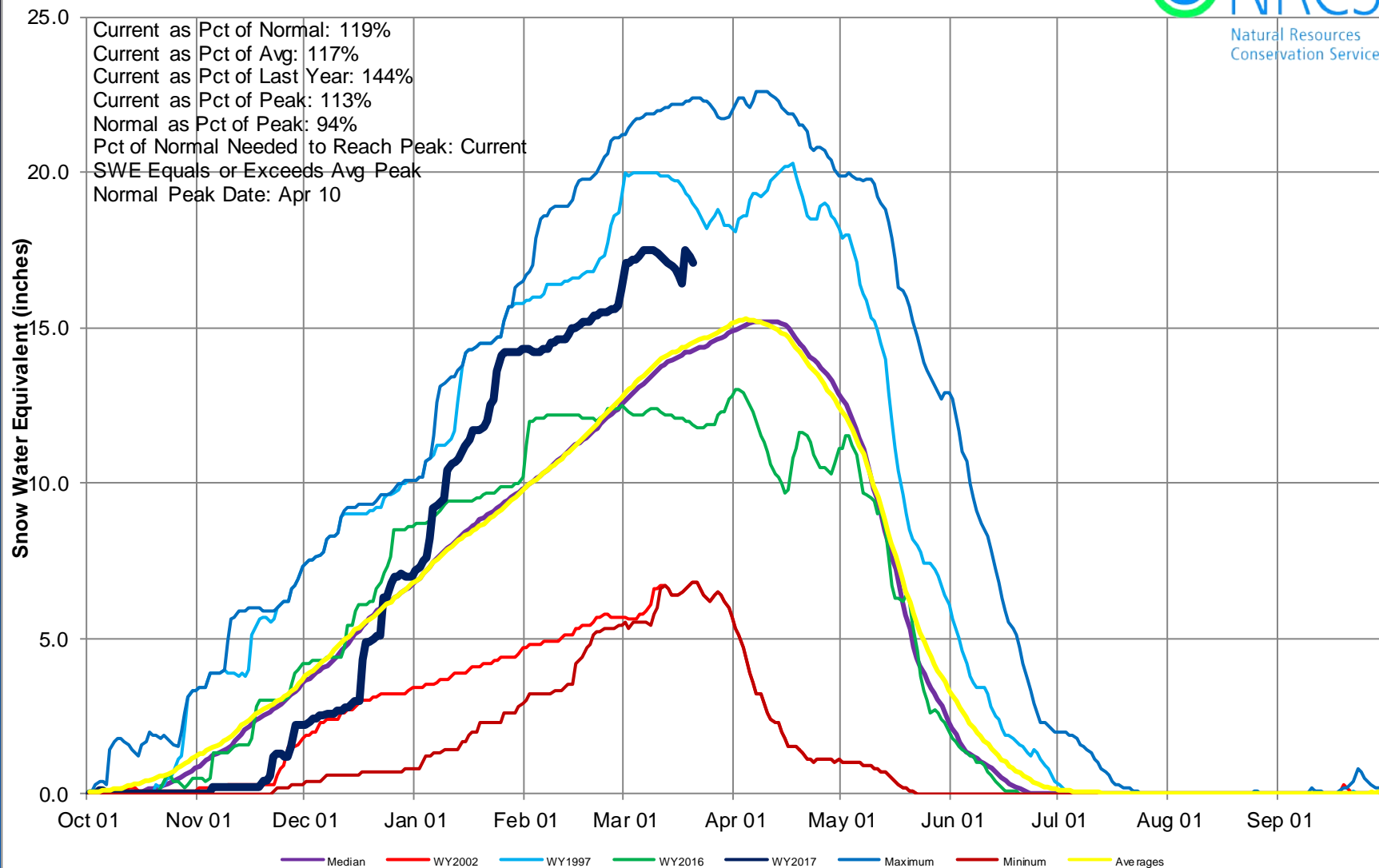


0 25 50 100 150 200 Miles



Upper Rio Grande Basin High/Low Snowpack Summary

Based on Provisional SNOTEL data as of Mar 20, 2017



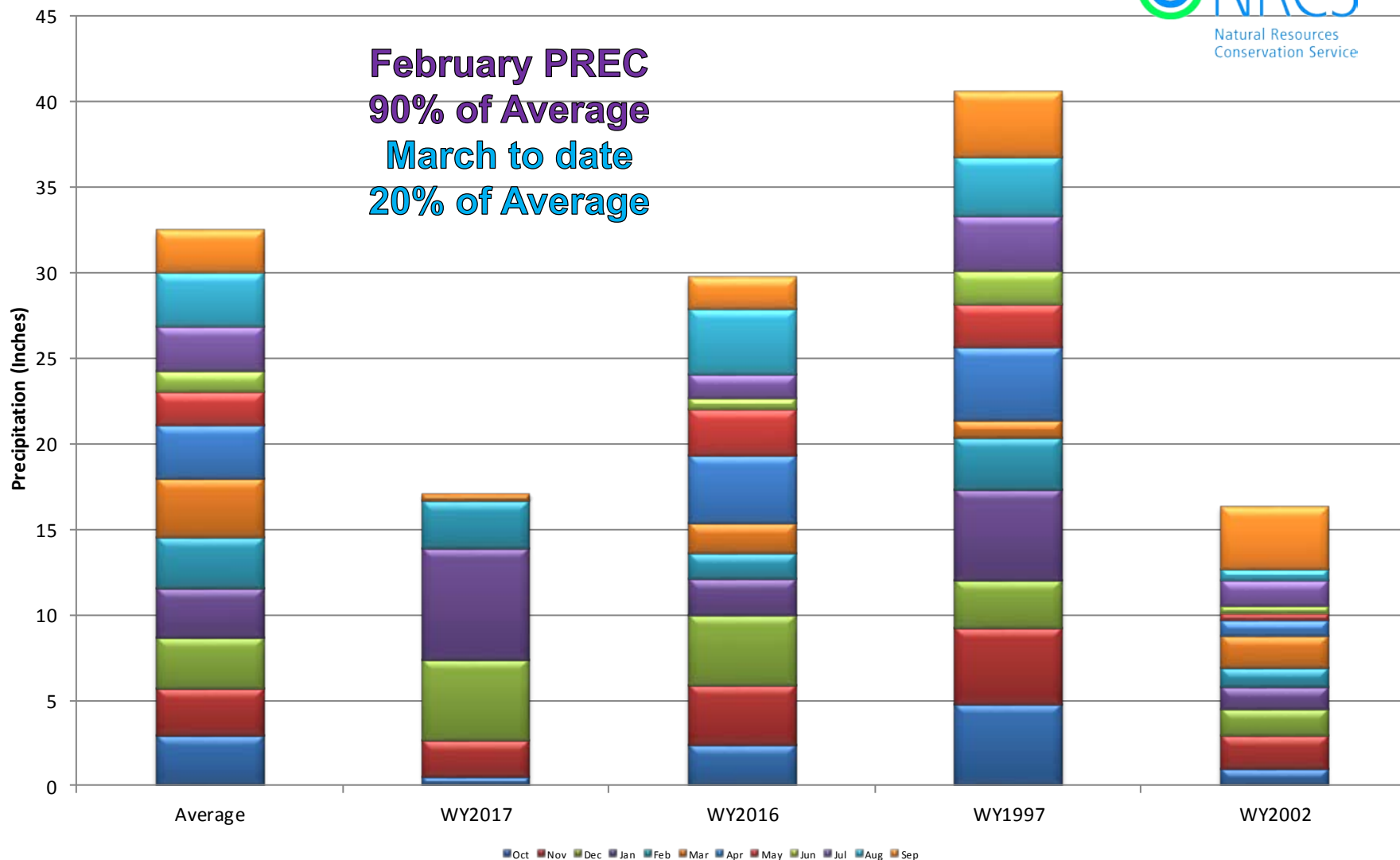


Upper Rio Grande Basin High/Low Monthly Precipitation Summary

Based on Provisional SNOTEL data as of Mar 20, 2017

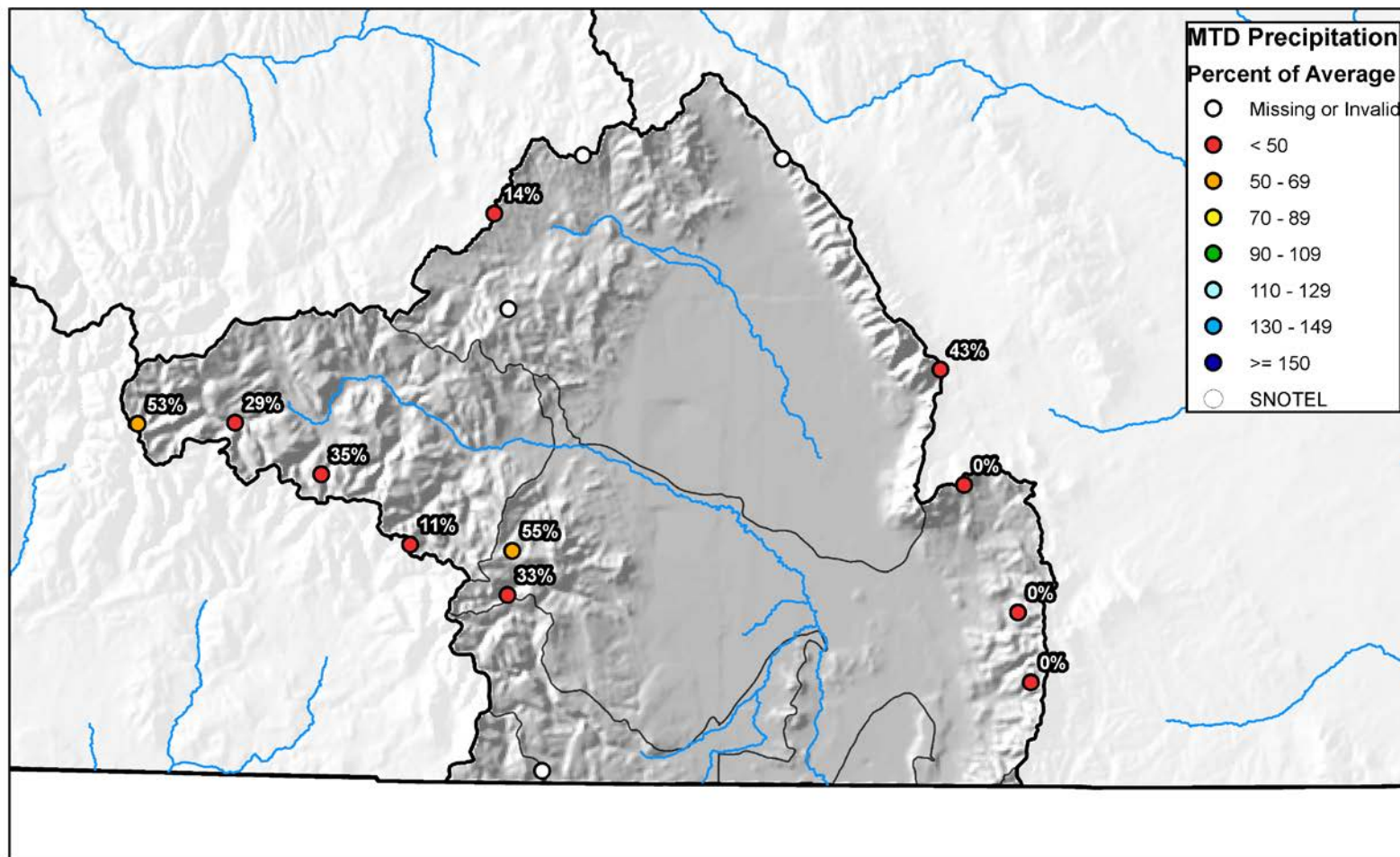


February PREC
90% of Average
March to date
20% of Average



Upper Rio Grande River Basin Month to Date Precipitation Summary

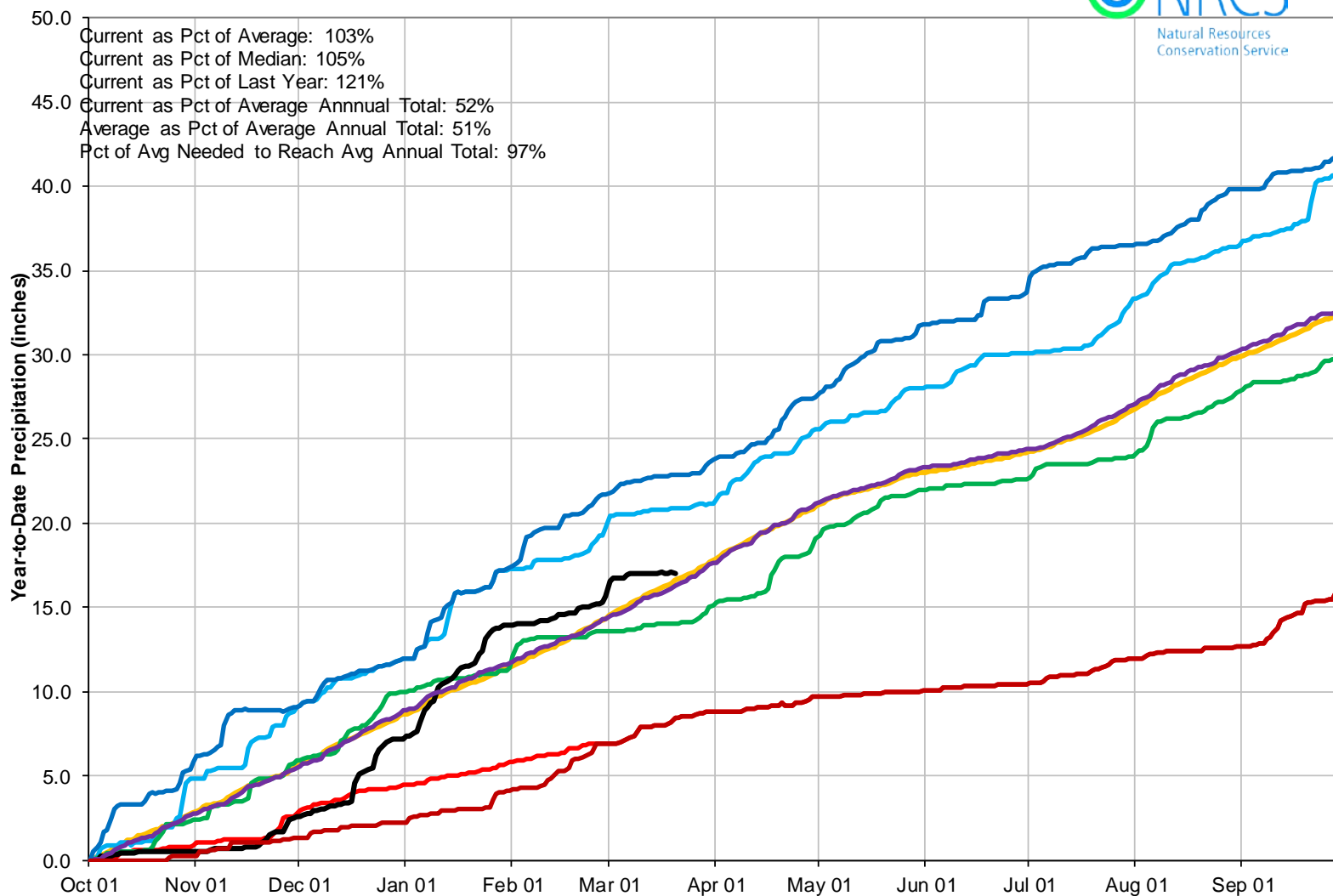
Current as of Mar 20, 2017





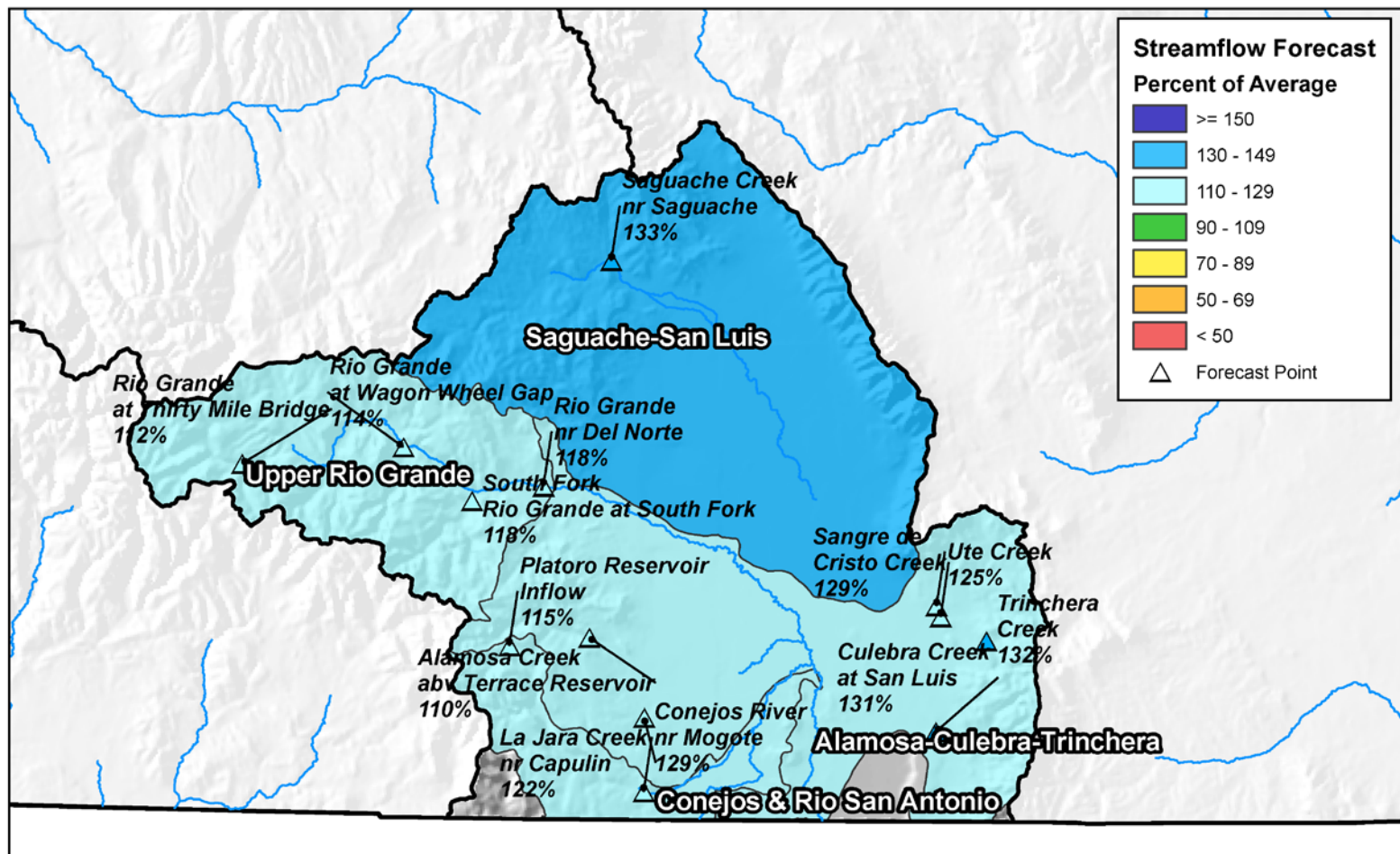
Upper Rio Grande Basin High/Low Year-to-Date Precipitation Summary

Based on Provisional SNOTEL data as of Mar 20, 2017



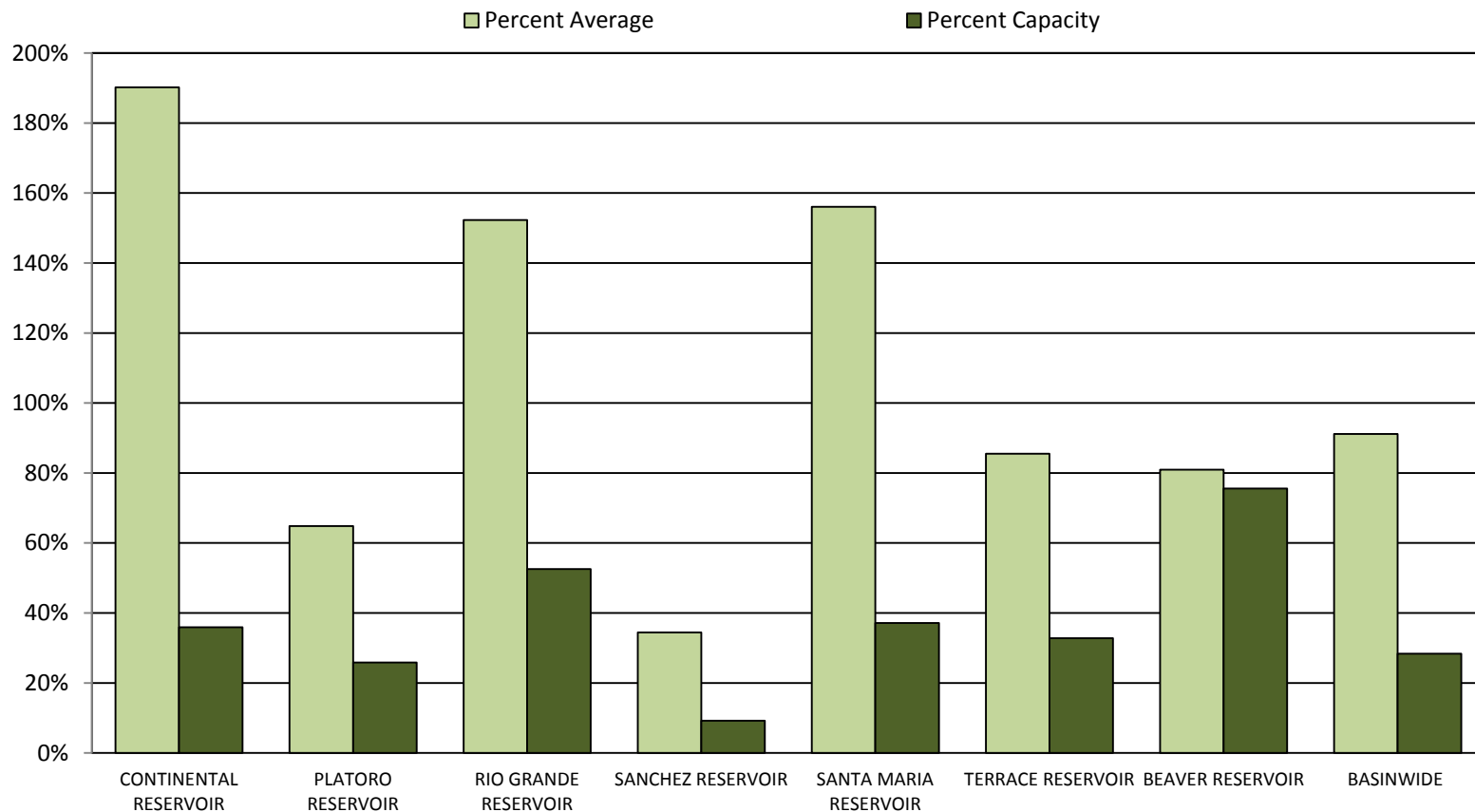
Upper Rio Grande River Basin Streamflow Forecast Summary

March 1, 2017



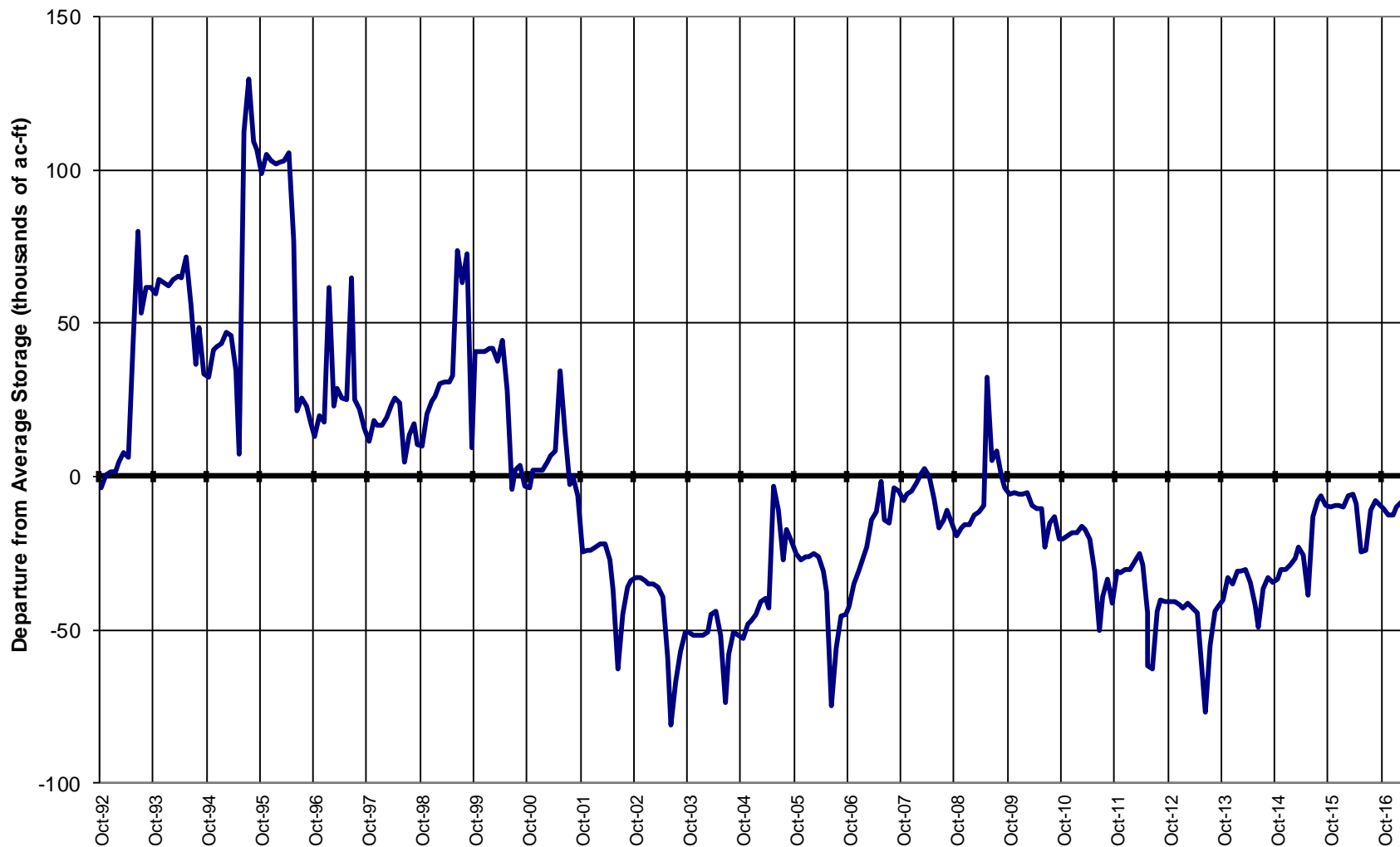
0 10 20 40 60 80 Miles

Reservoir Storage



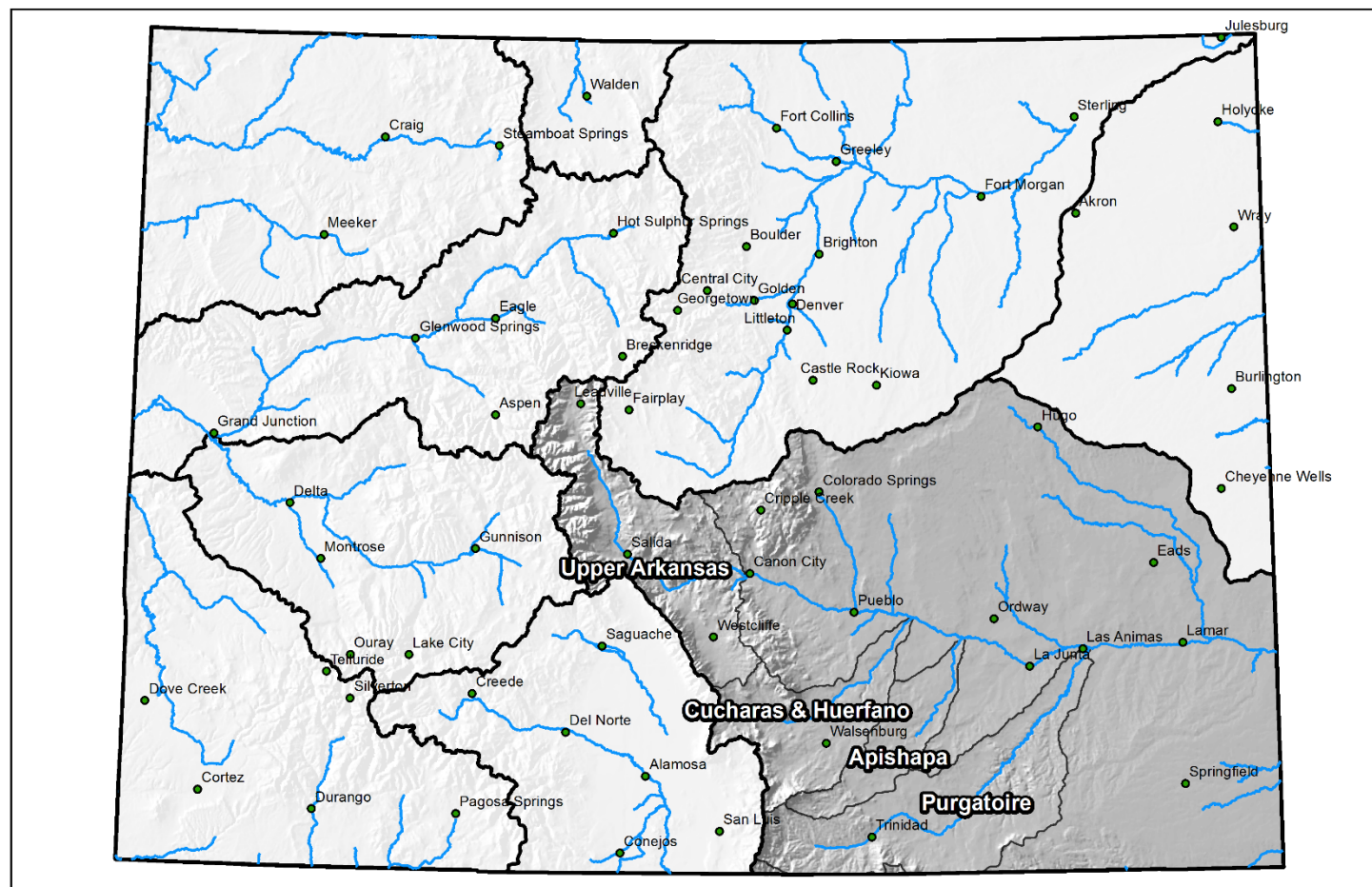


UPPER RIO GRANDE BASIN Reservoir Storage Departure from Average



Major Basin Summary

Arkansas River Basin

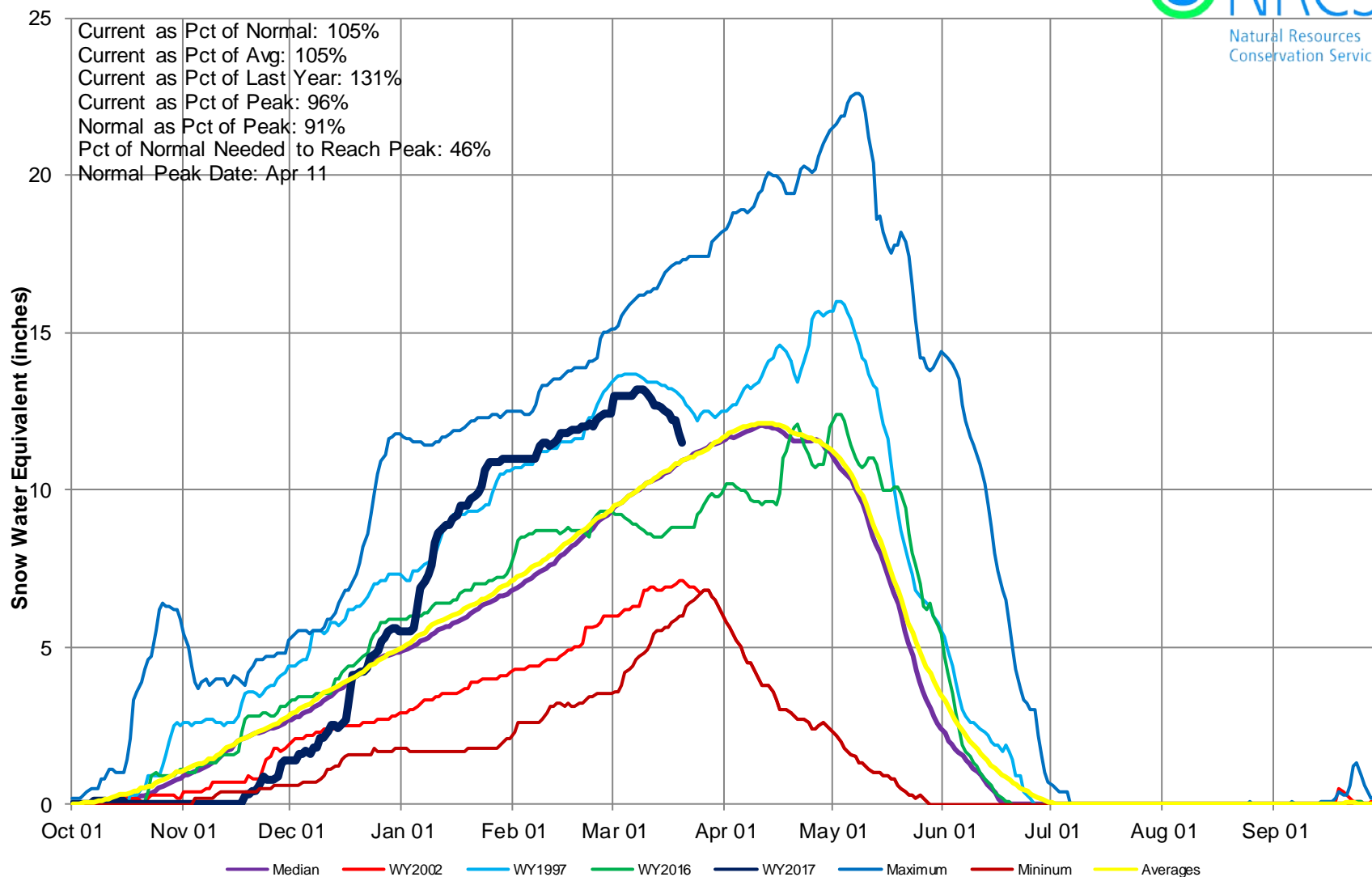


0 25 50 100 150 200 Miles



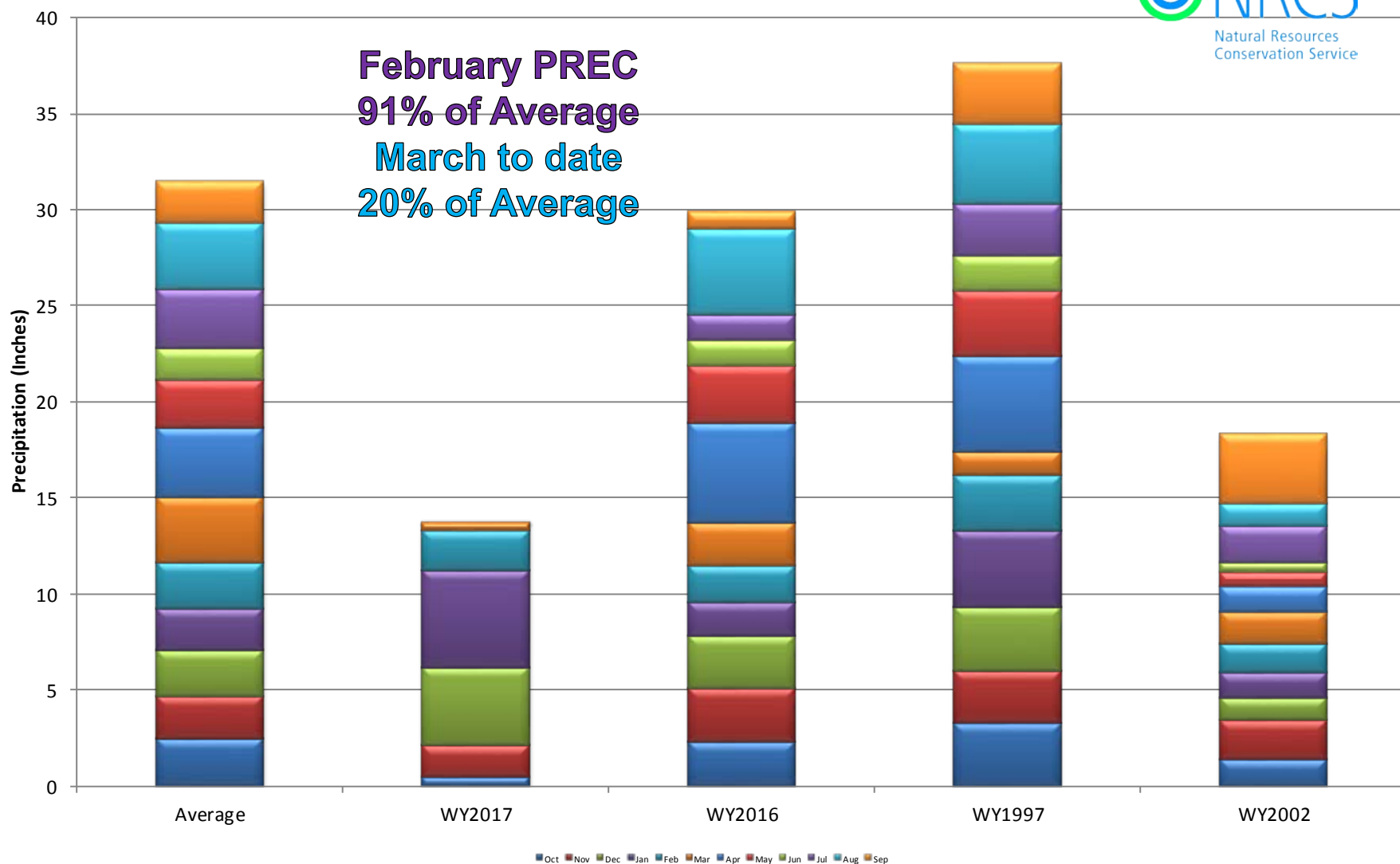
Arkansas River Basin High/Low Snowpack Summary

Based on Provisional SNOTEL data as of Mar 20, 2017



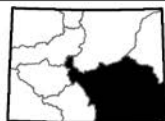
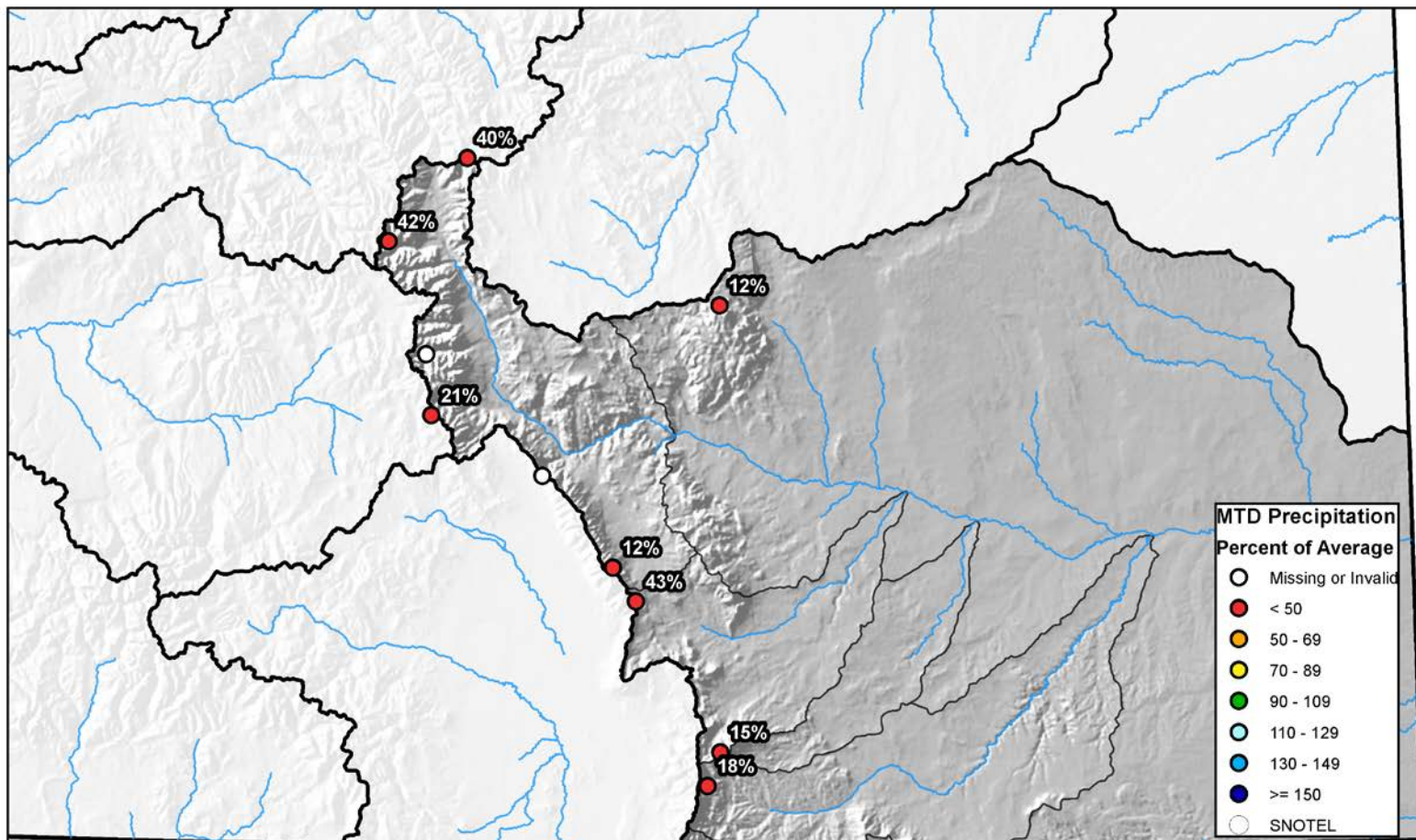
Arkansas River Basin High/Low Monthly Precipitation Summary

Based on Provisional SNOTEL data as of Mar 20, 2017



Arkansas River Basin Month to Date Precipitation Summary

Current as of Mar 20, 2017

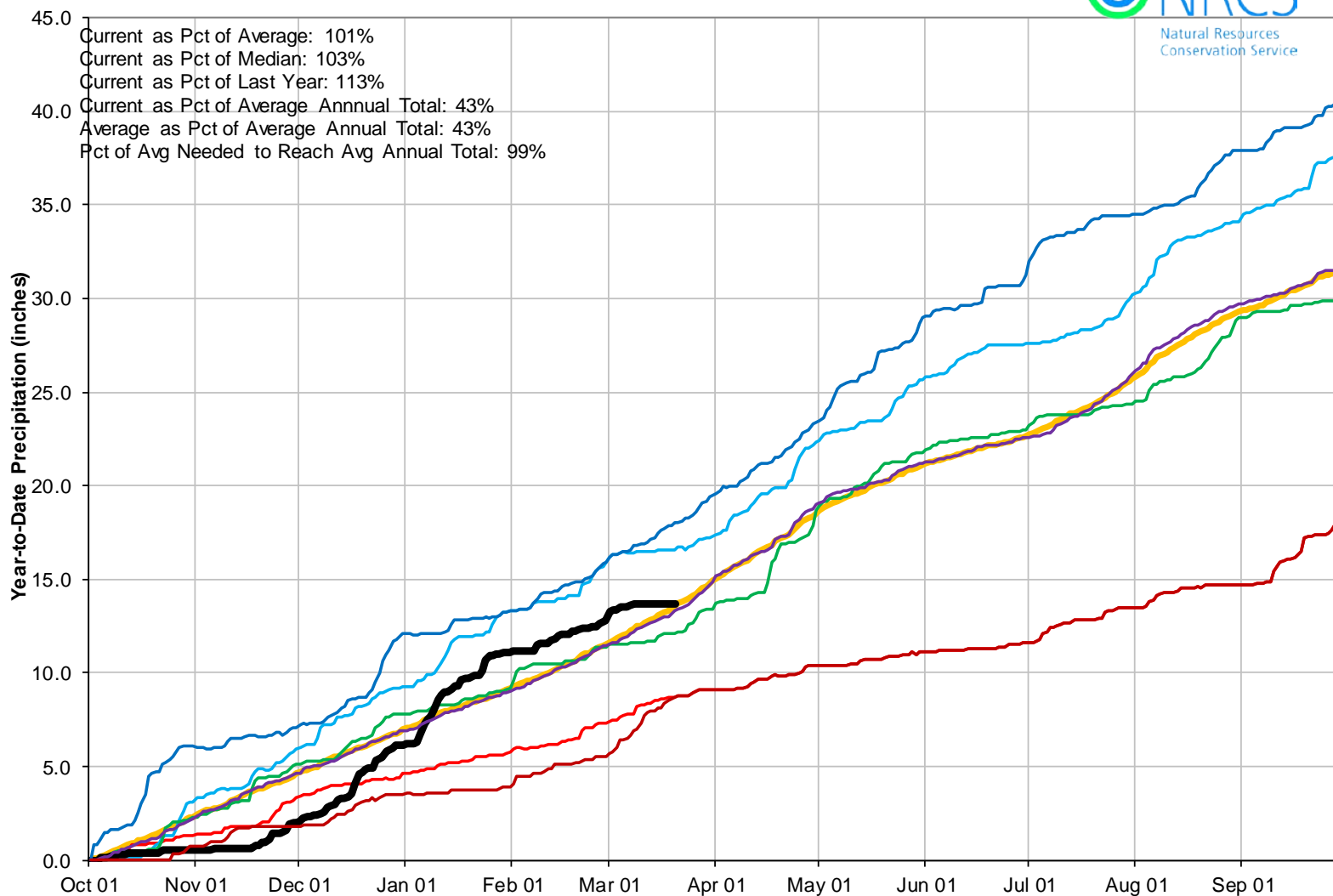


0 10 20 40 60 80 Miles



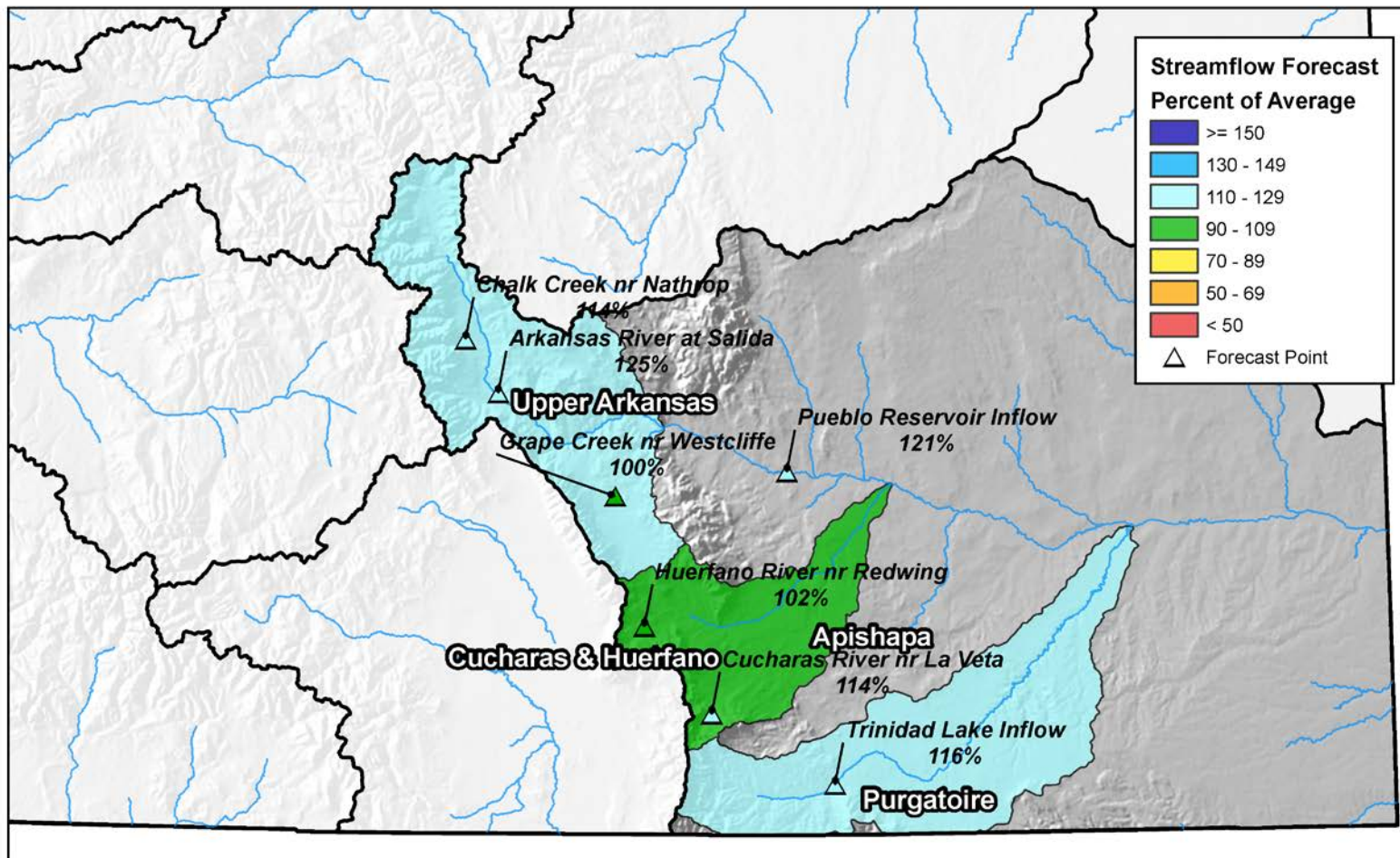
Arkansas River Basin High/Low Year-to-Date Precipitation Summary

Based on Provisional SNOTEL data as of Mar 20, 2017



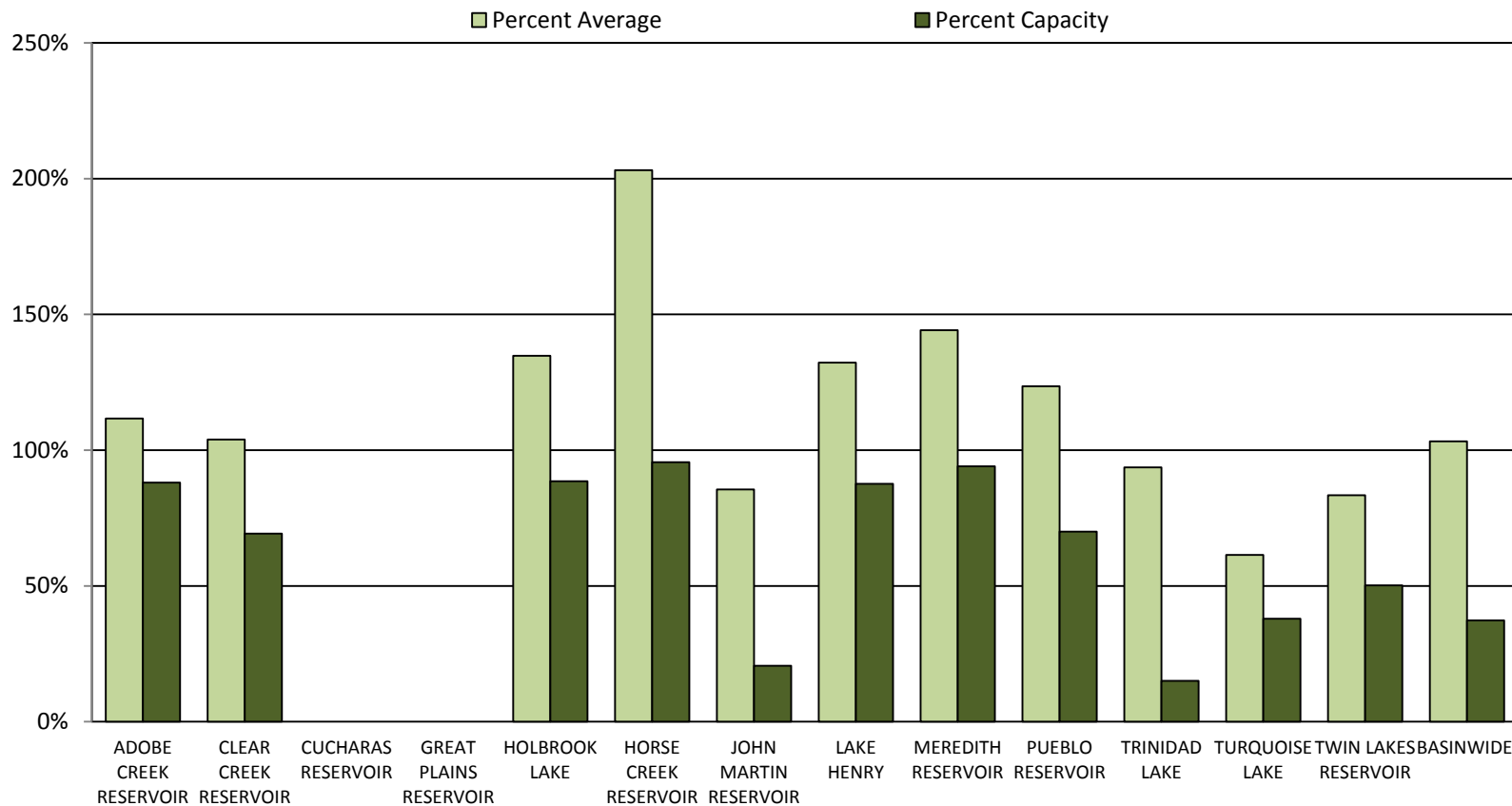
Arkansas River Basin Streamflow Forecast Summary

March 1, 2017



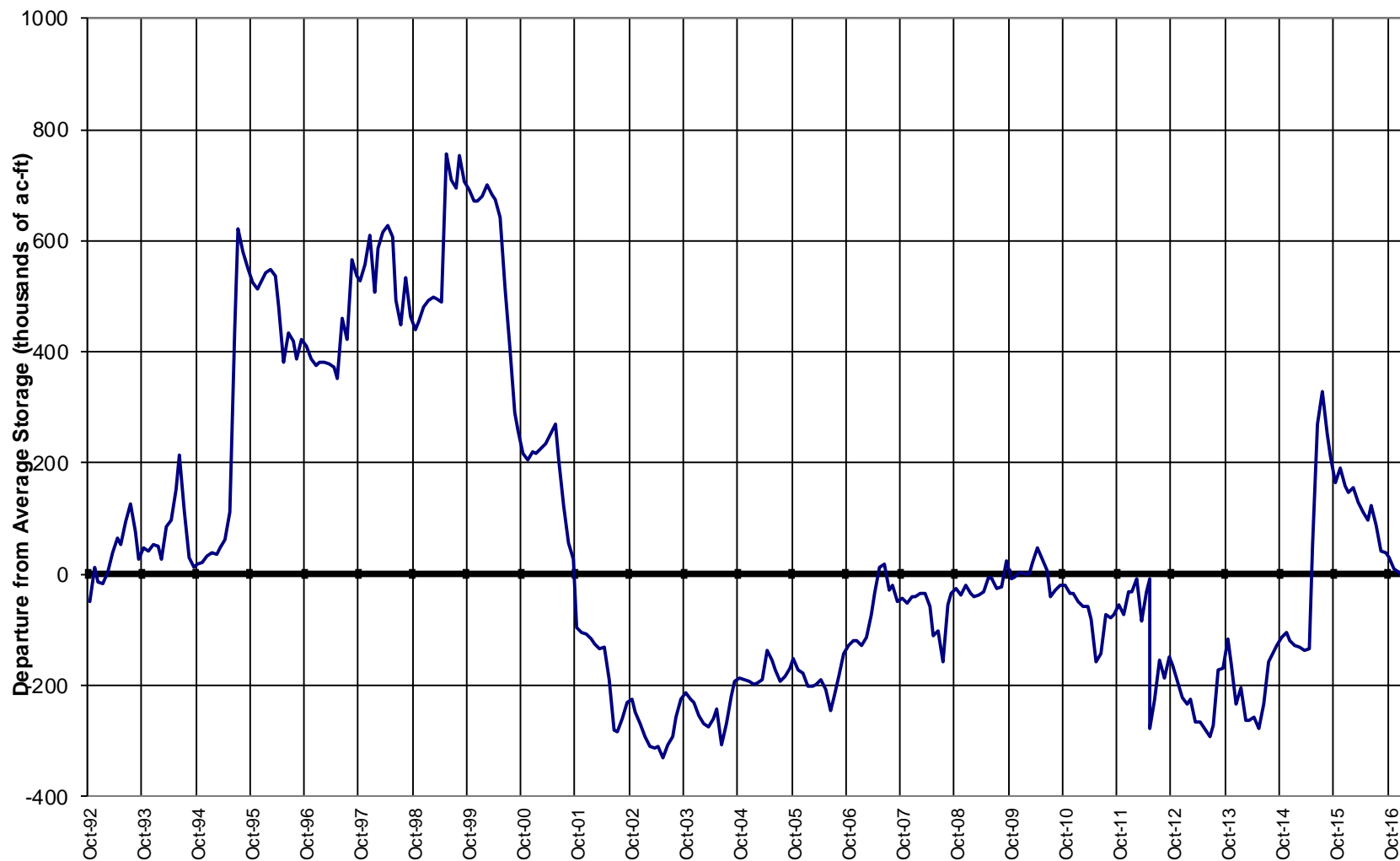
0 10 20 40 60 80 Miles

Reservoir Storage



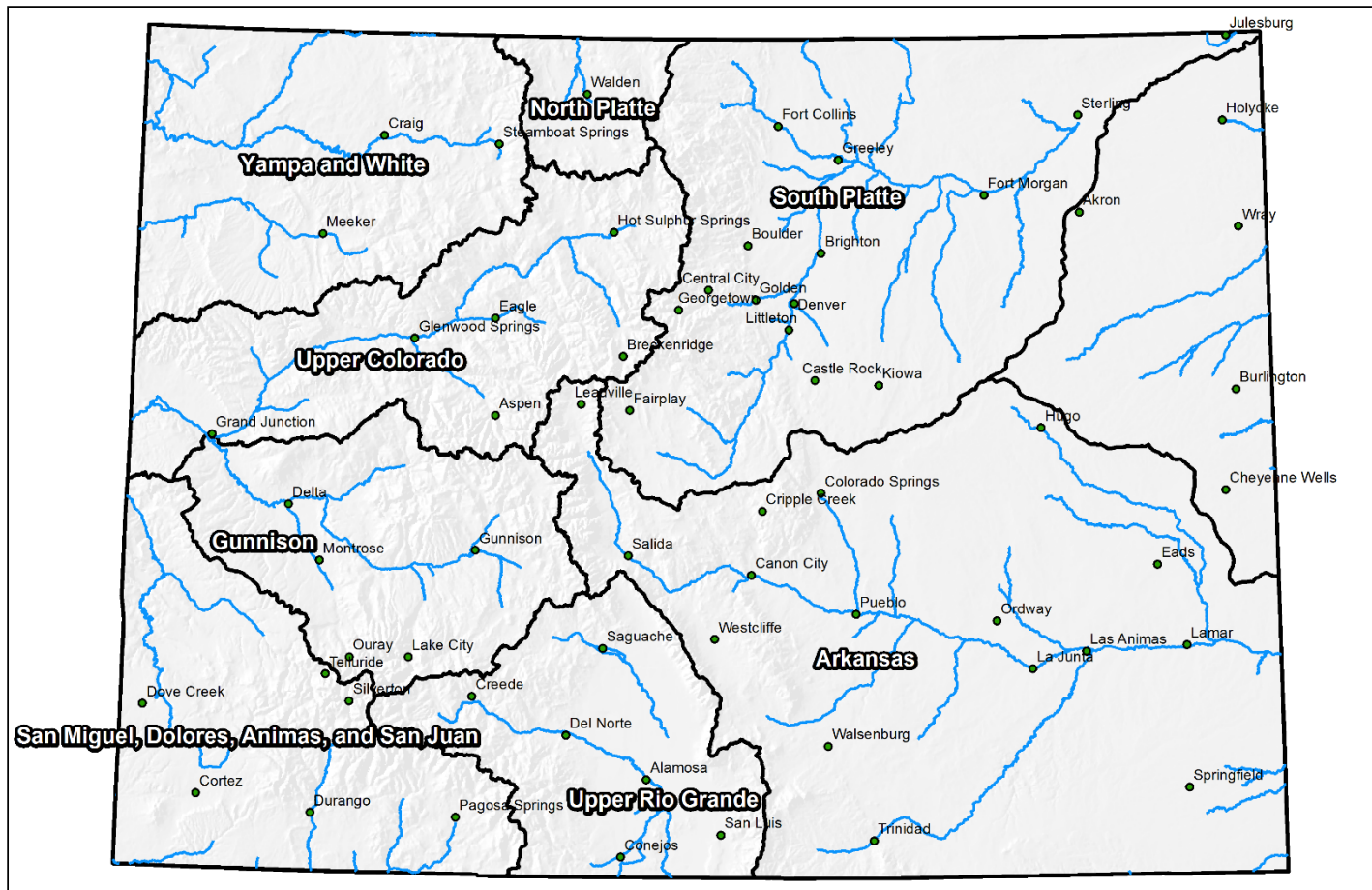


ARKANSAS RIVER BASIN Reservoir Storage Departure from Average



Colorado Statewide Summary

Colorado Major Basins

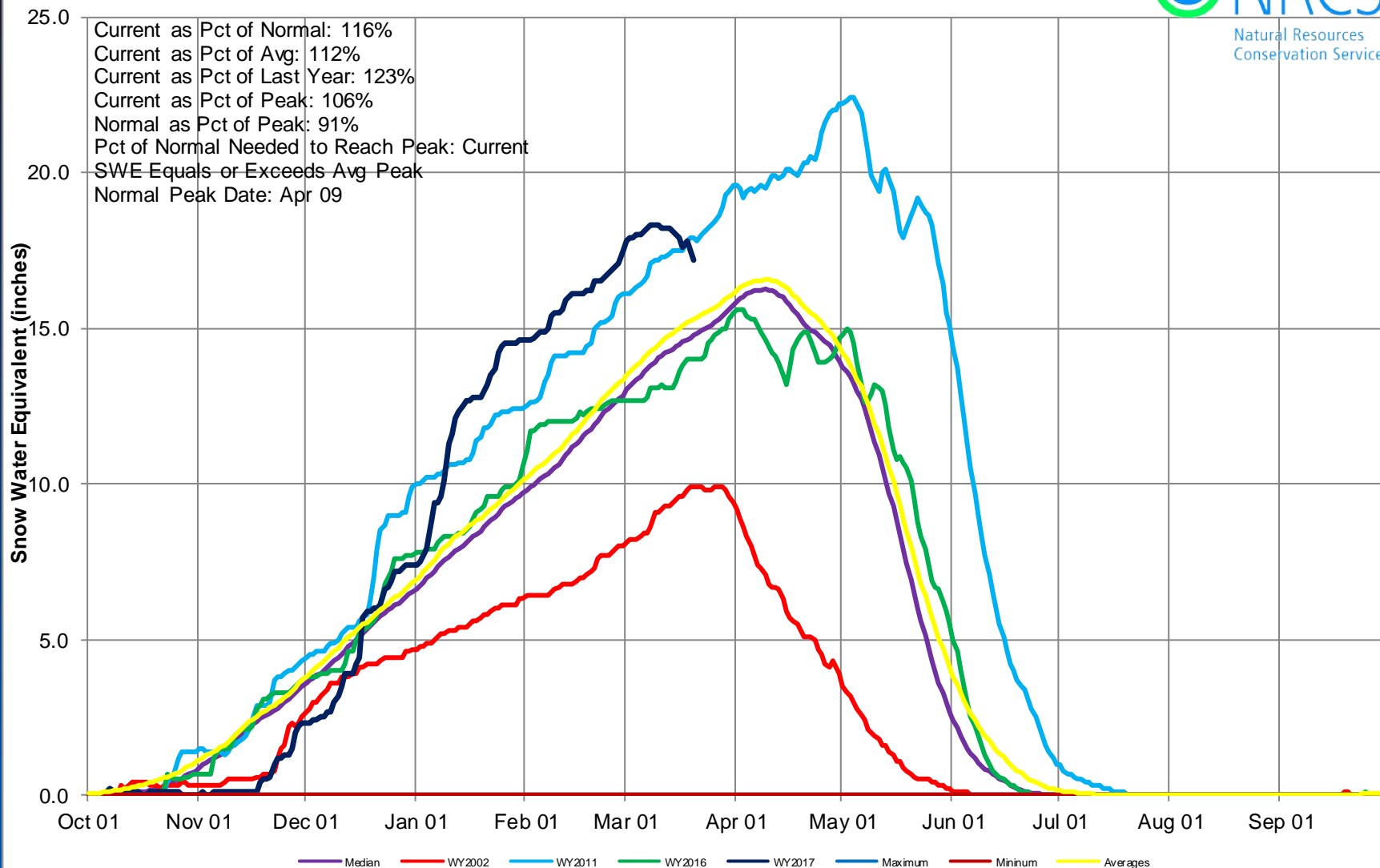


0 25 50 100 150 200 Miles



Colorado Statewide High/Low Snowpack Summary

Based on Provisional SNOTEL data as of Mar 20, 2017



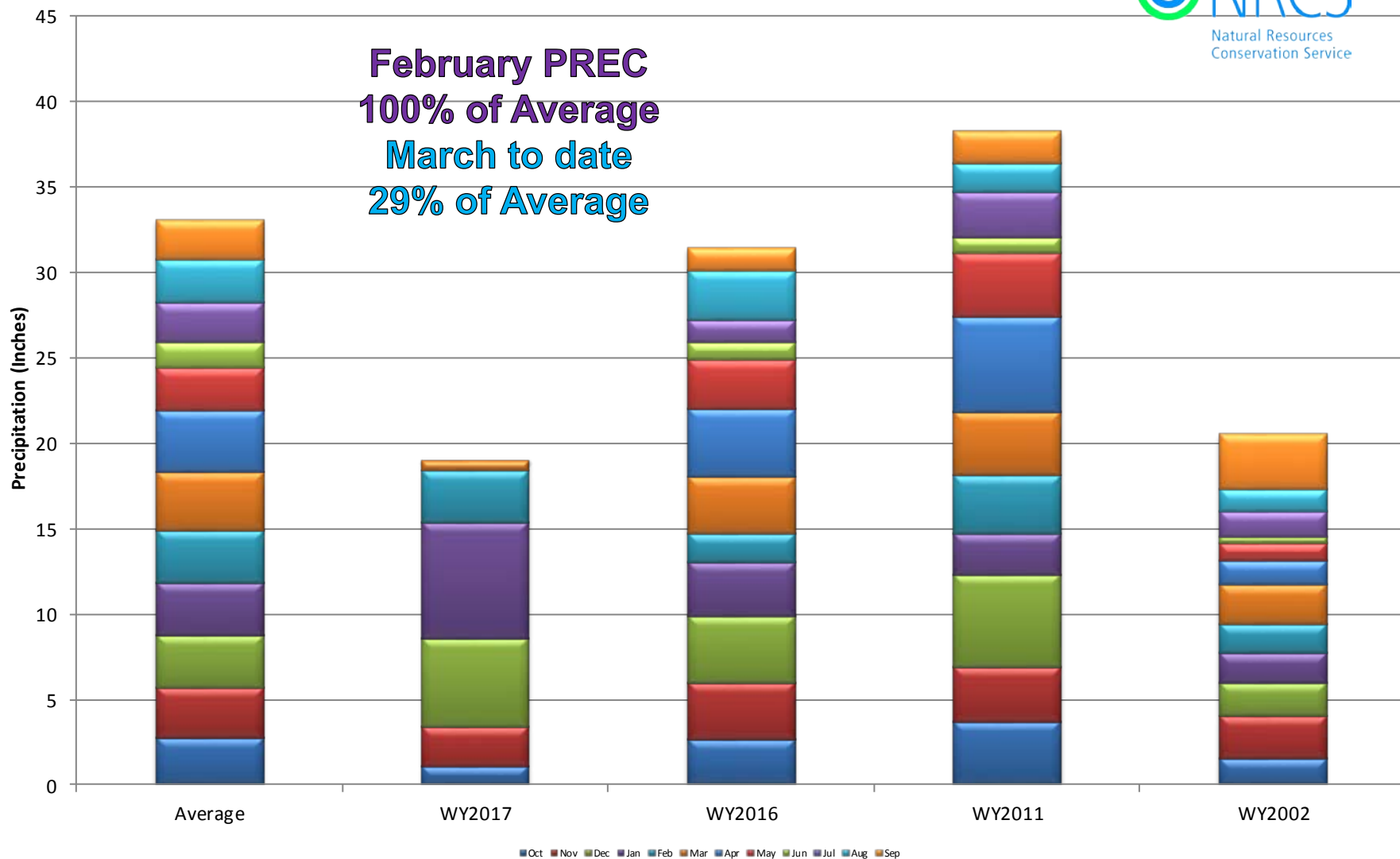


Colorado Statewide High/Low Monthly Precipitation Summary

Based on Provisional SNOTEL data as of Mar 20, 2017

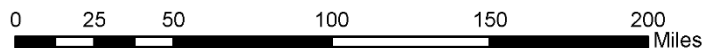
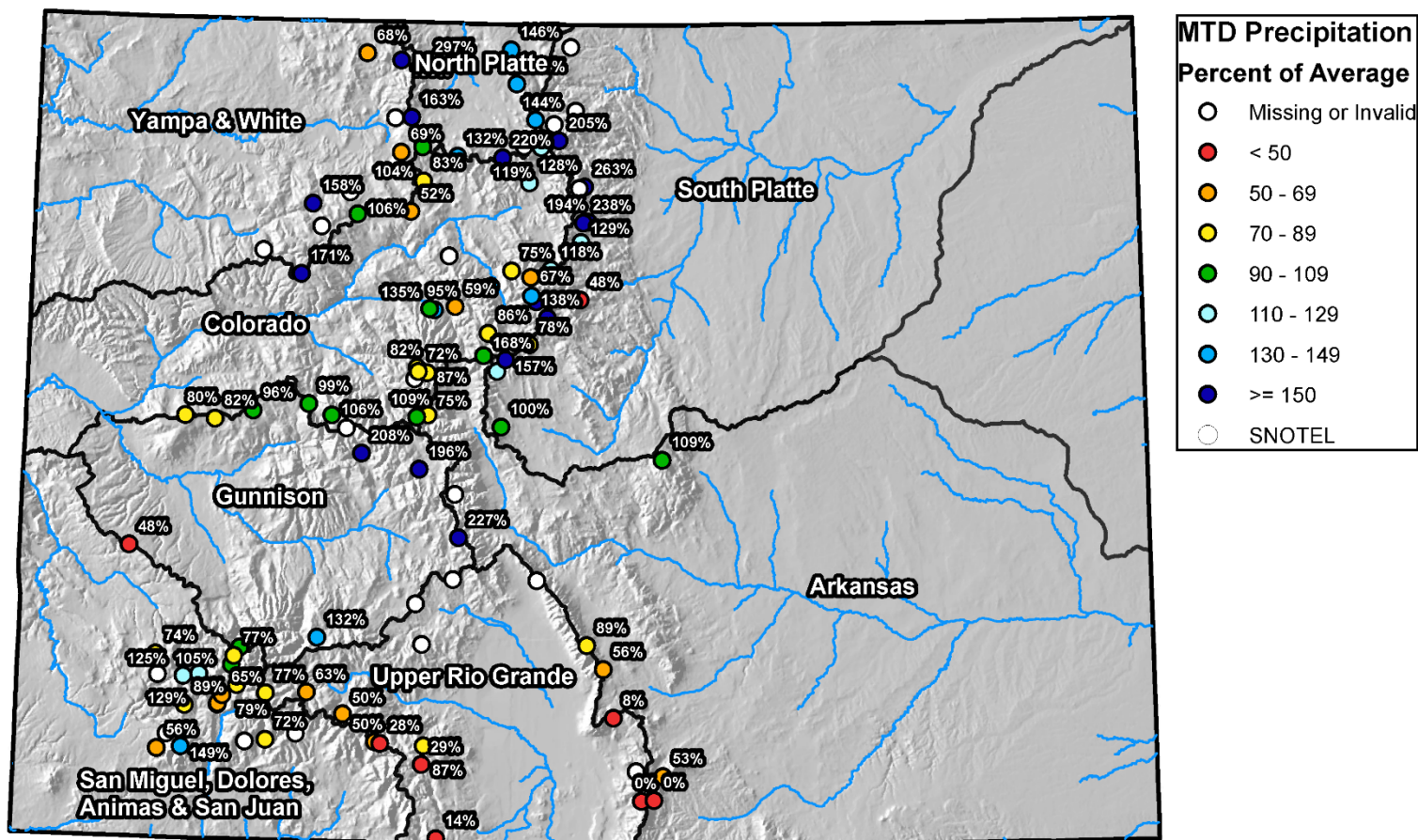


February PREC
100% of Average
March to date
29% of Average



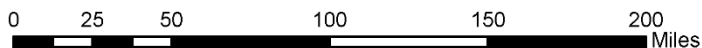
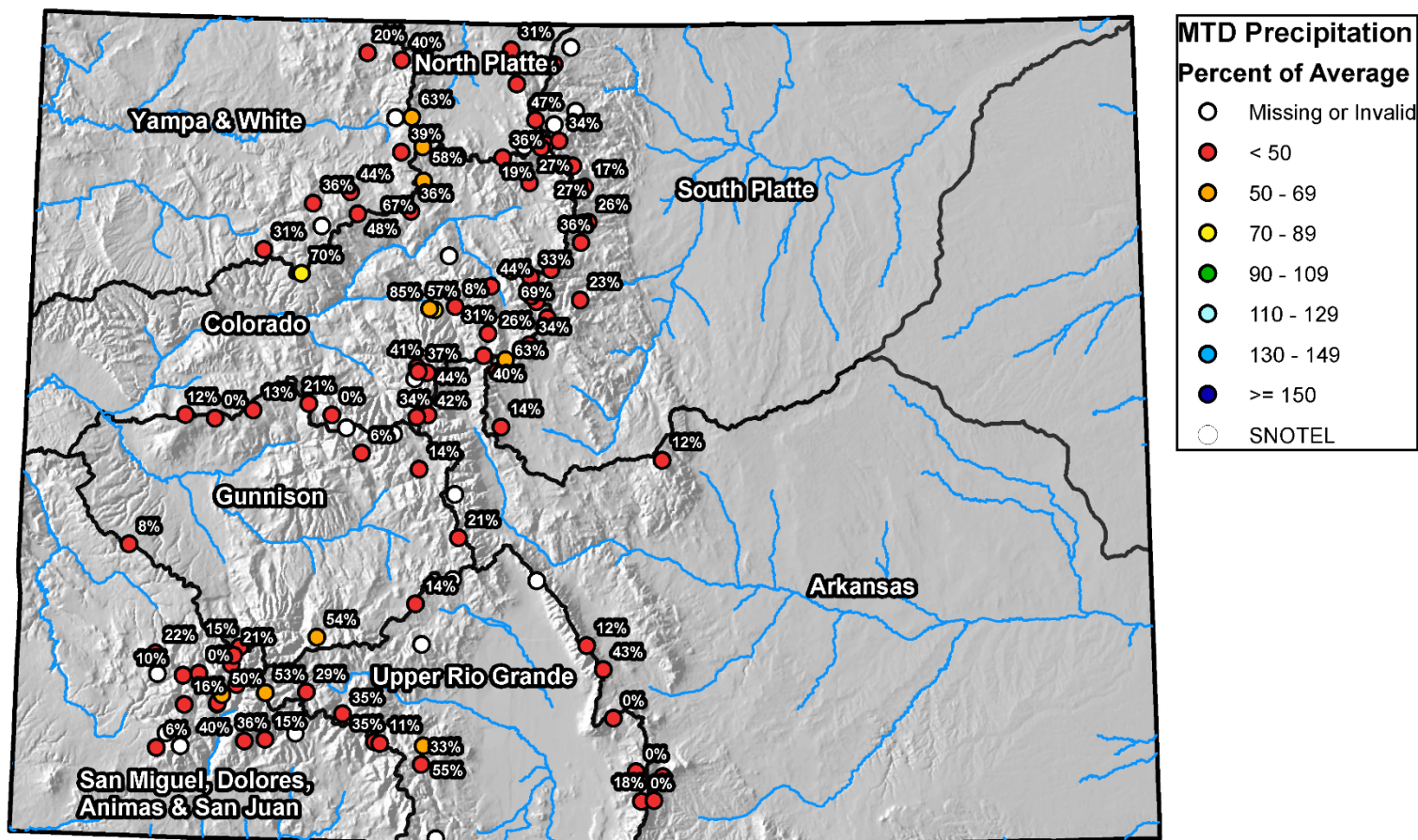
Colorado SNOTEL Month-to-Date Precipitation

Current as of Feb 14, 2017



Colorado SNOTEL Month-to-Date Precipitation

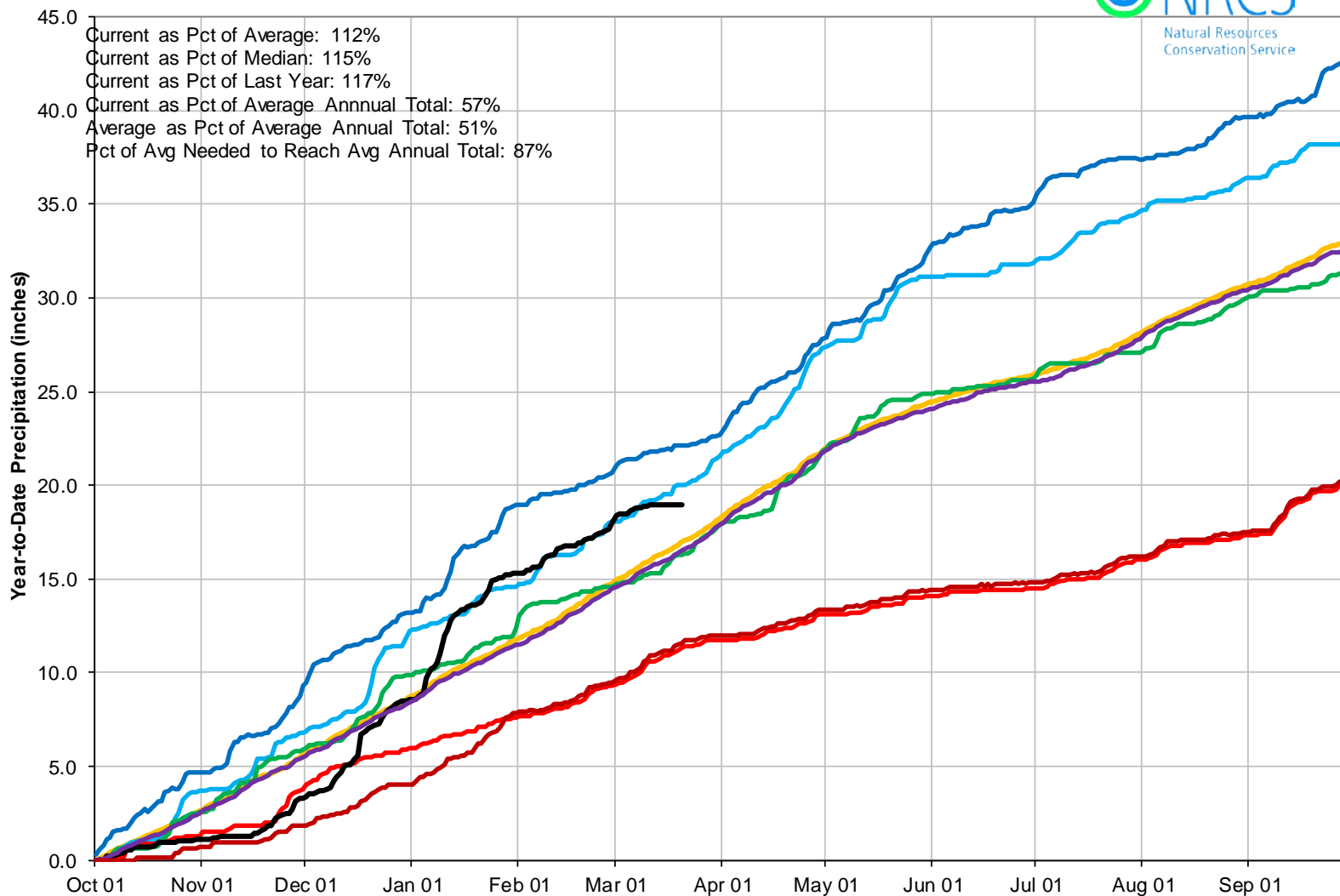
Current as of Mar 20, 2017





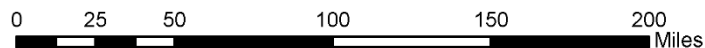
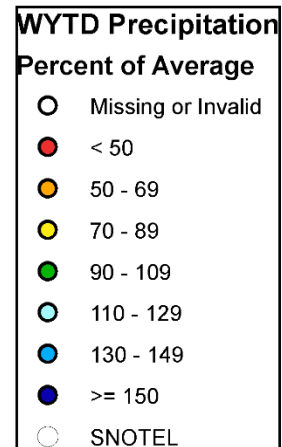
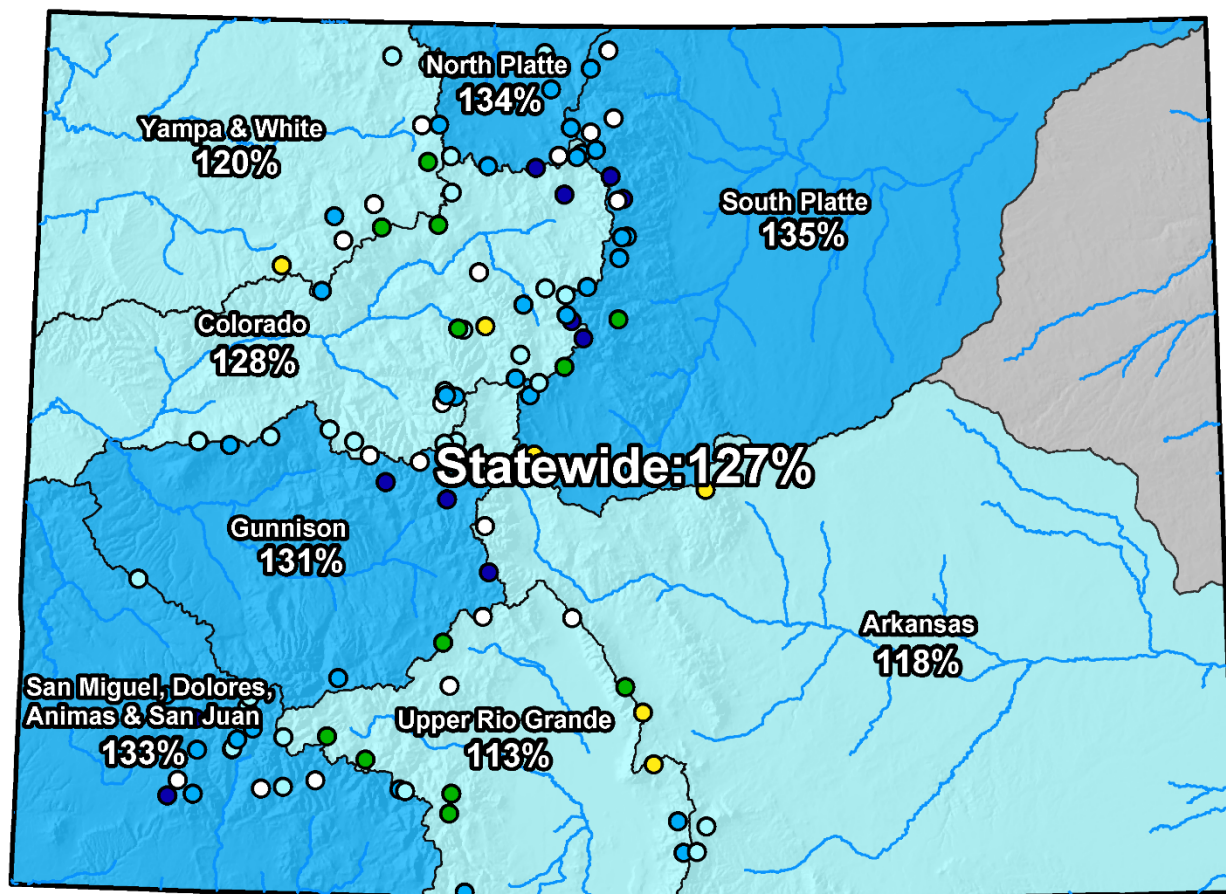
Colorado Statewide High/Low Year-to-Date Precipitation Summary

Based on Provisional SNOTEL data as of Mar 20, 2017



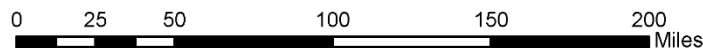
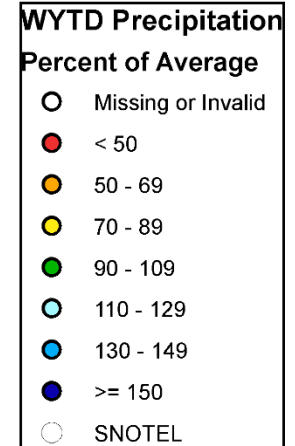
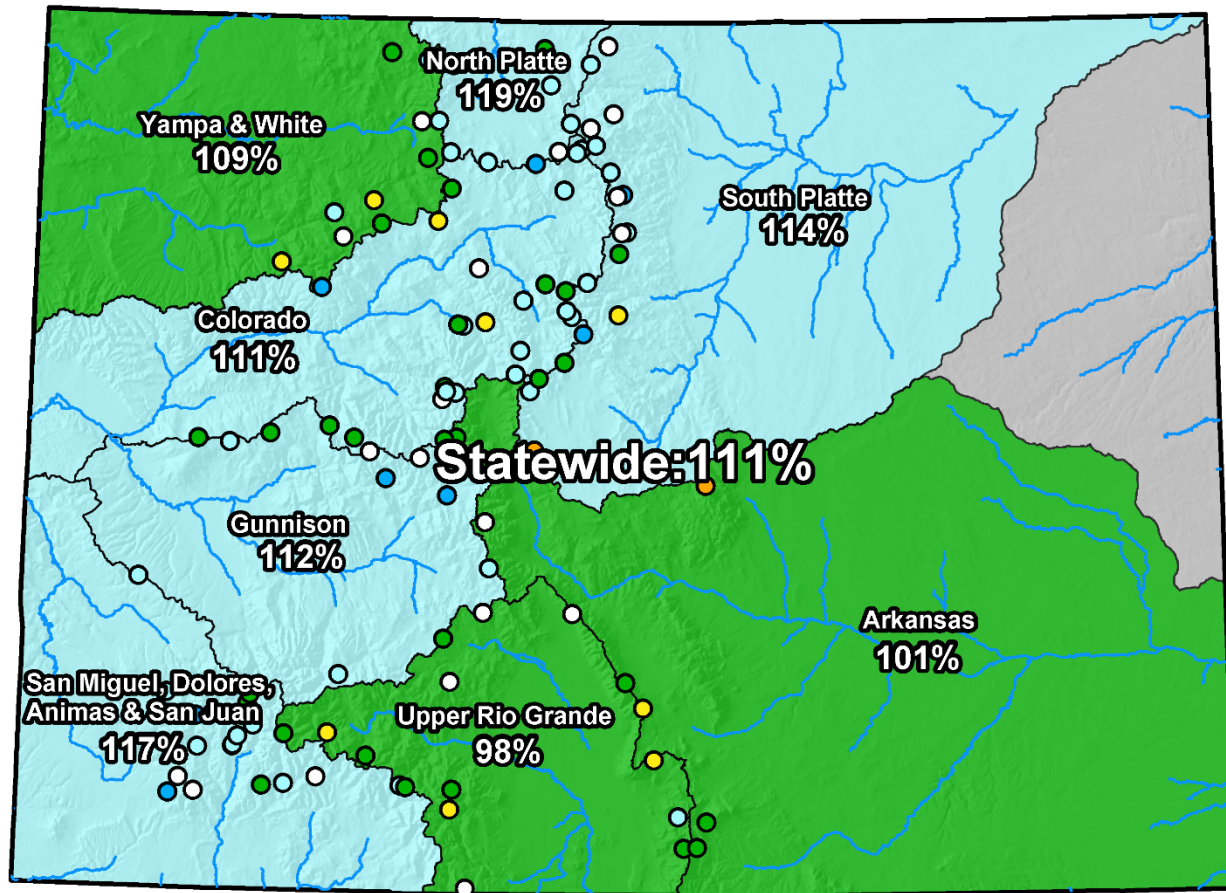
Colorado SNOTEL Water Year to Date Precipitation

Current as of Feb 14, 2017

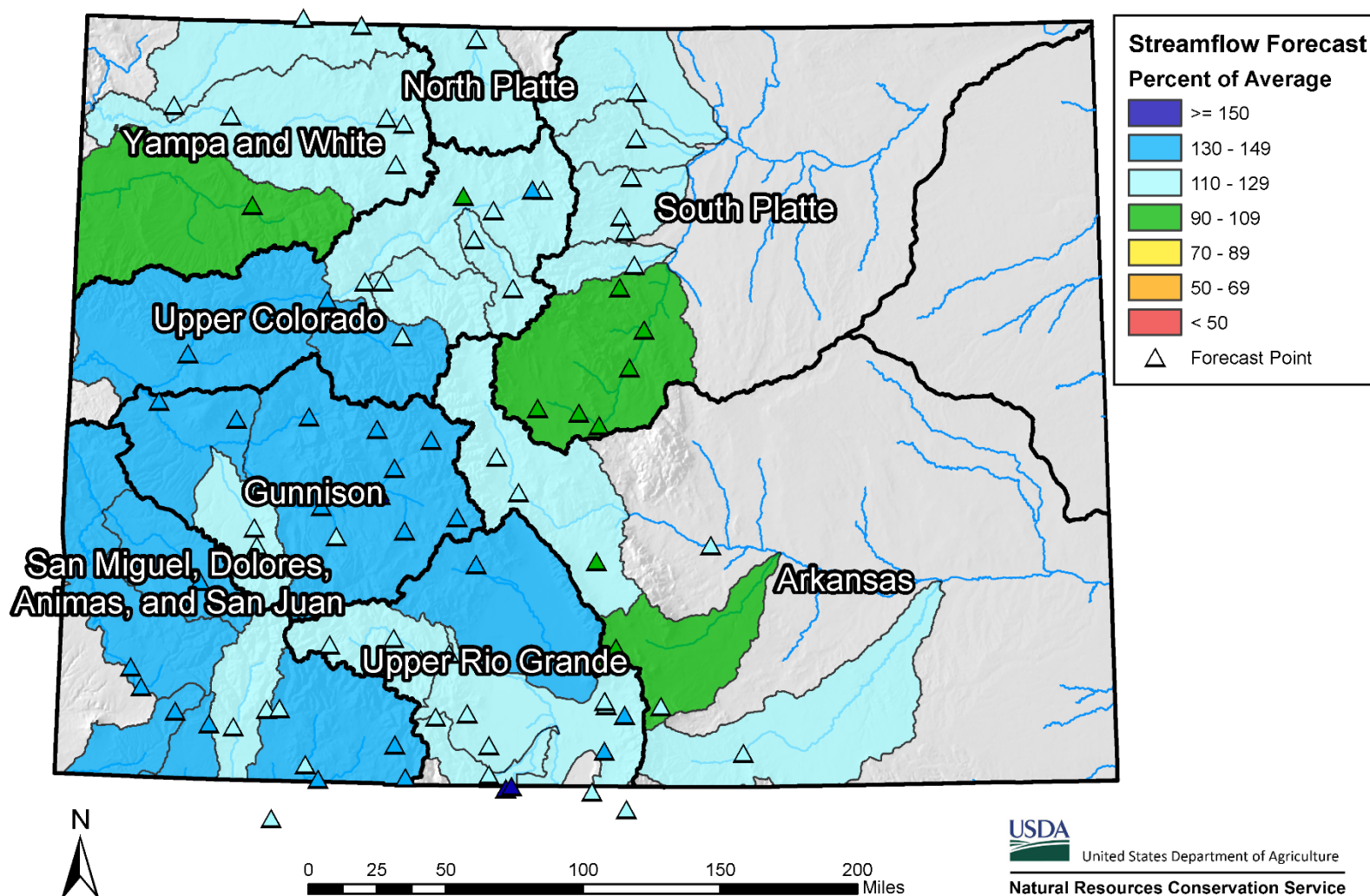


Colorado SNOTEL Water Year to Date Precipitation

Current as of Mar 20, 2017

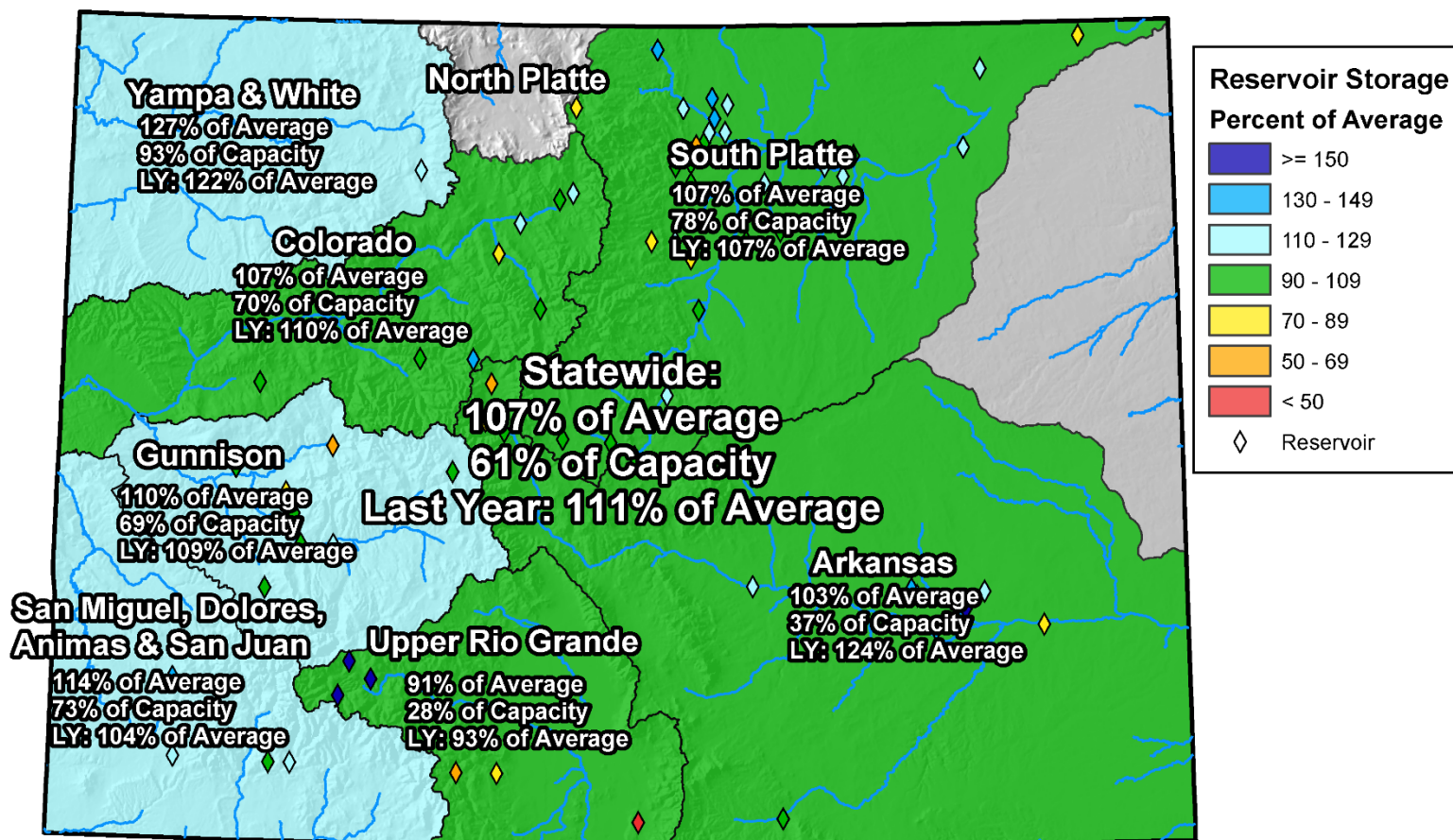


Colorado Streamflow Forecasts Summary March 1, 2017



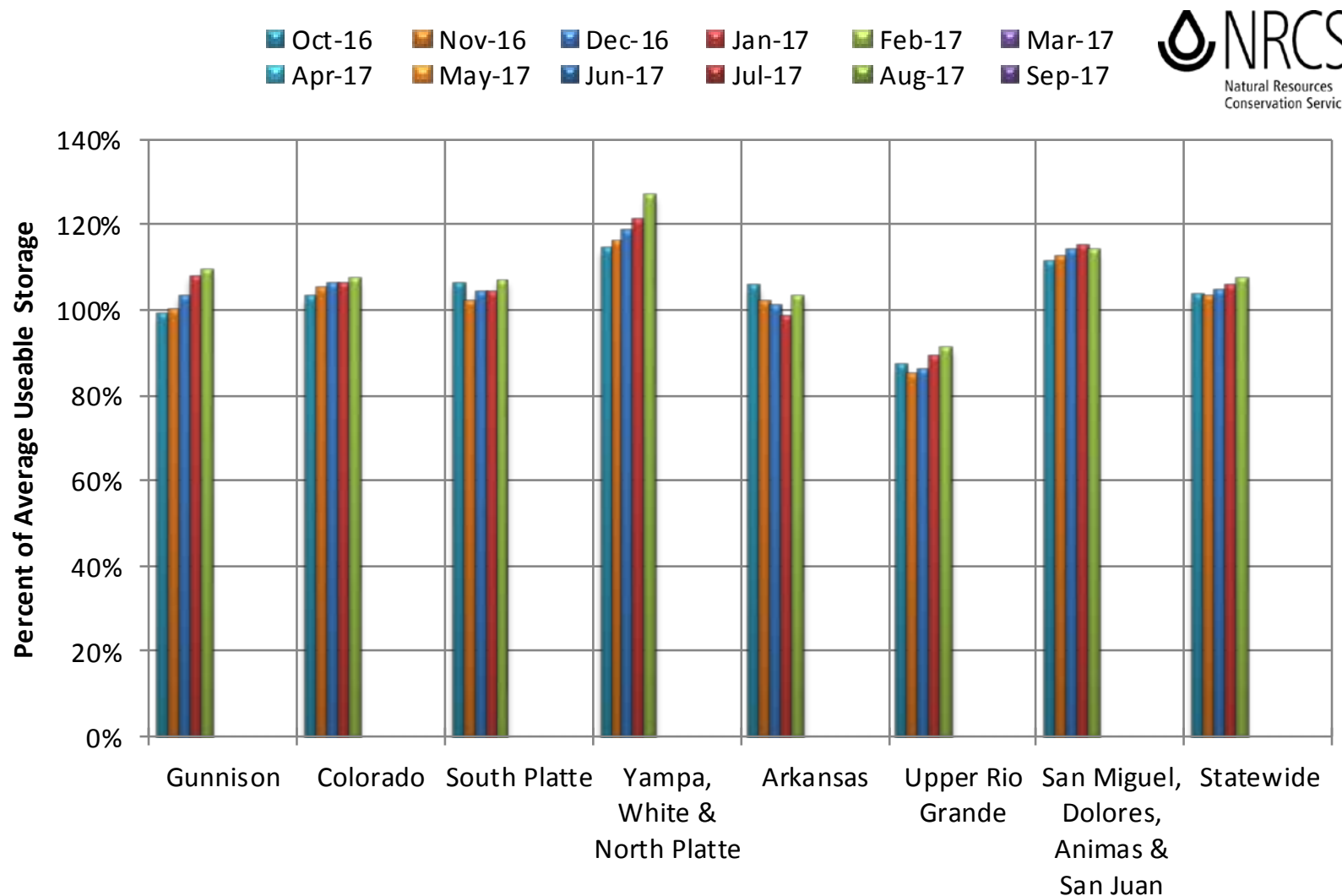
Colorado Monthly Reservoir Storage Summary

End of February 2017



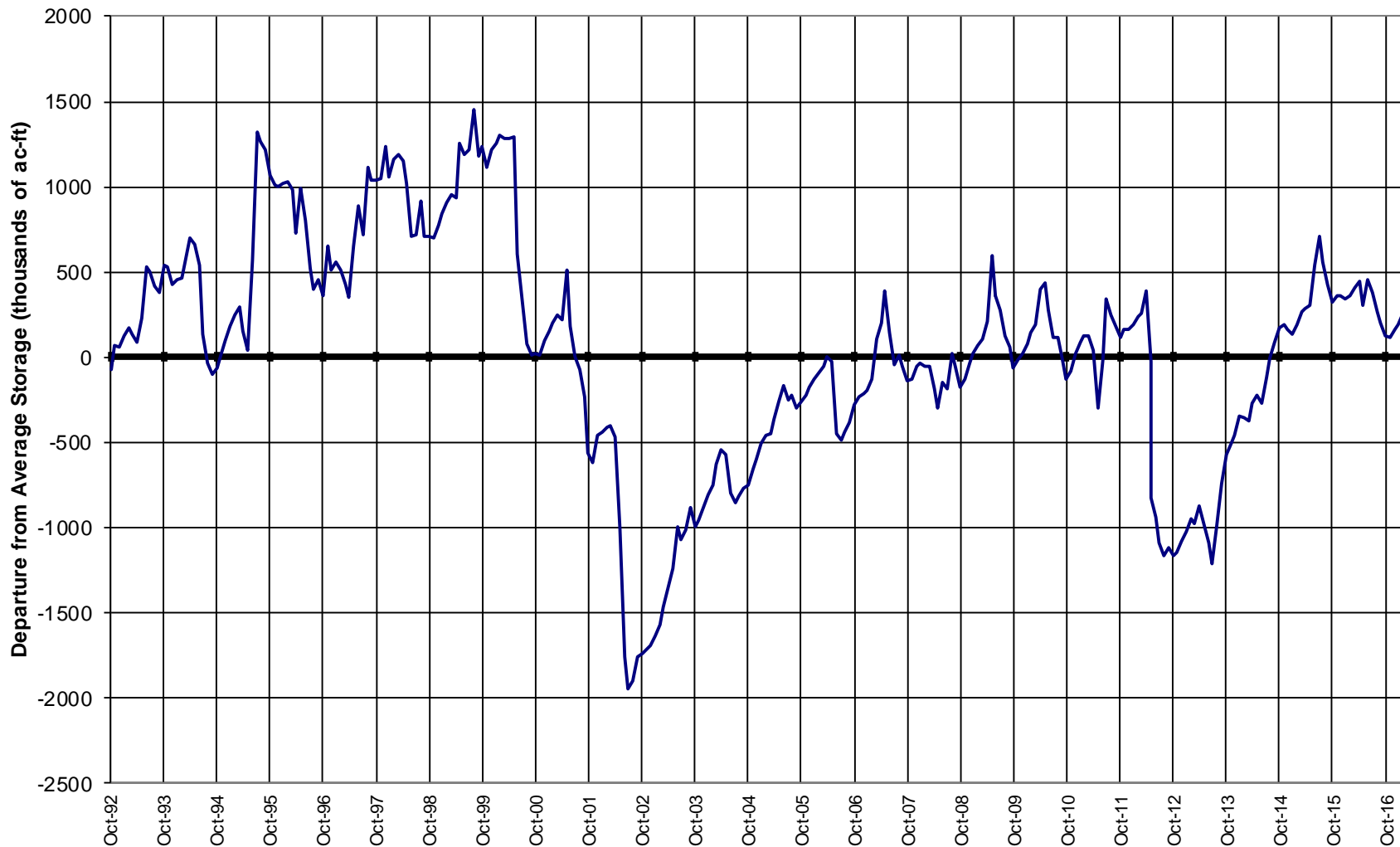
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Colorado Reservoir Storage





COLORADO STATEWIDE Reservoir Storage Departure from Average

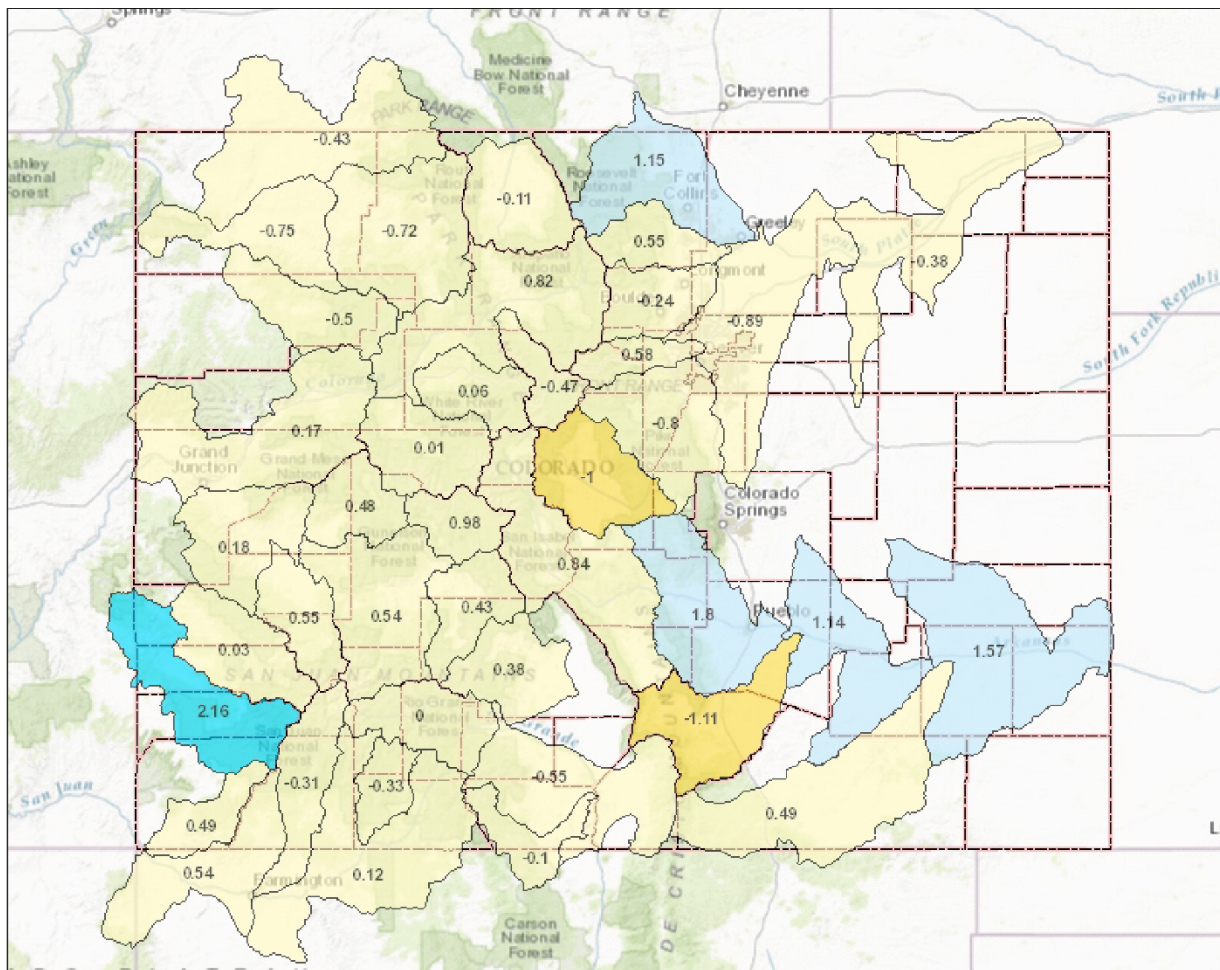




CDSS

Colorado's Decision Support Systems

Map Viewer



Legend

SWSI - Current Report

- 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)

County

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.

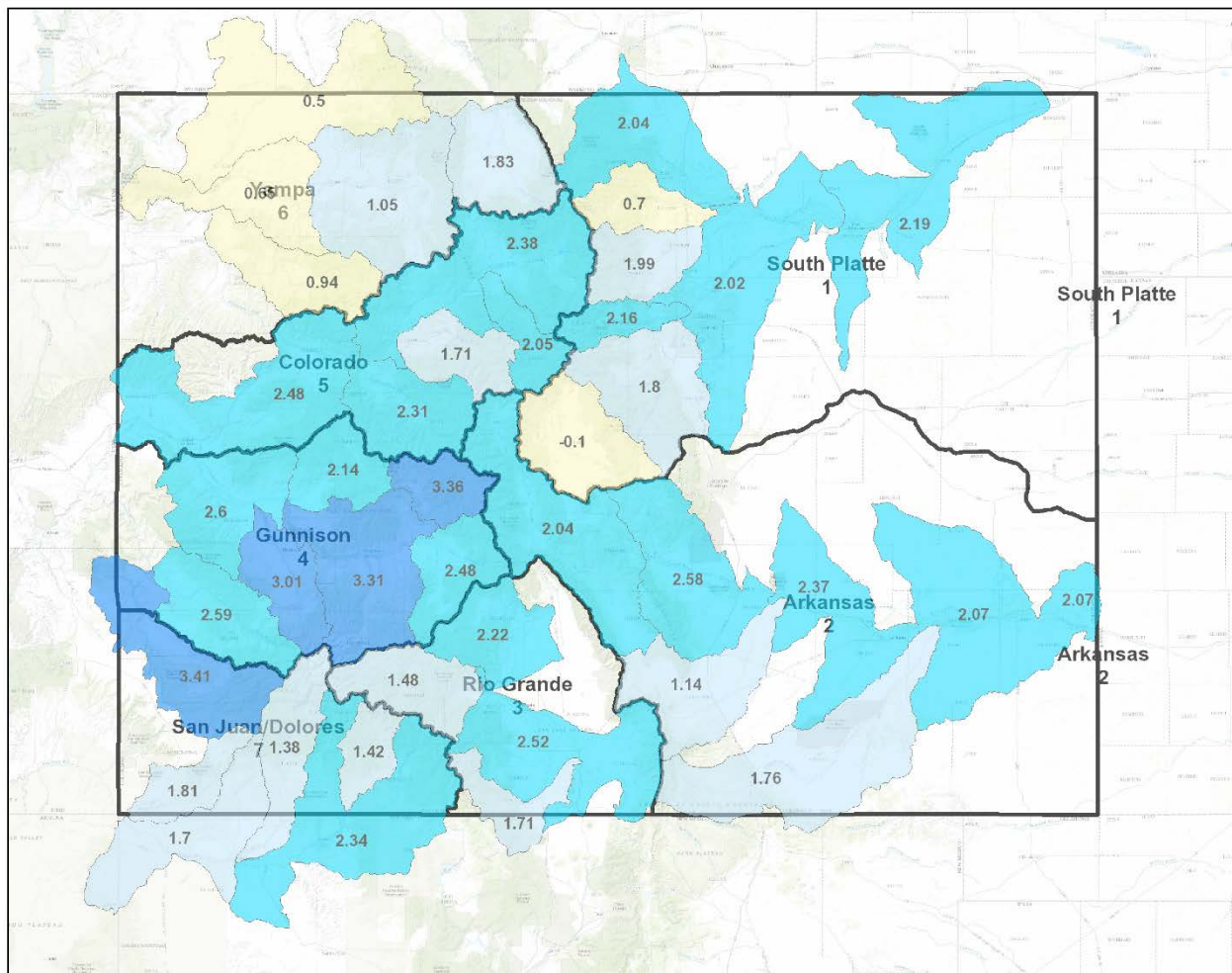
Date Prepared: 1/18/2017 4:58:42 PM



CDSS

Colorado's Decision Support Systems

Map Viewer



Legend

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- ☐ SWSI Not Applicable (-99.99)
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- ☐ Extremely Wet (3.0 to 4.2)

- ☐ Division
- ☐ Citations

Location



Notes

113.39 0 56.7 113.39 Miles

1: 3,592,220



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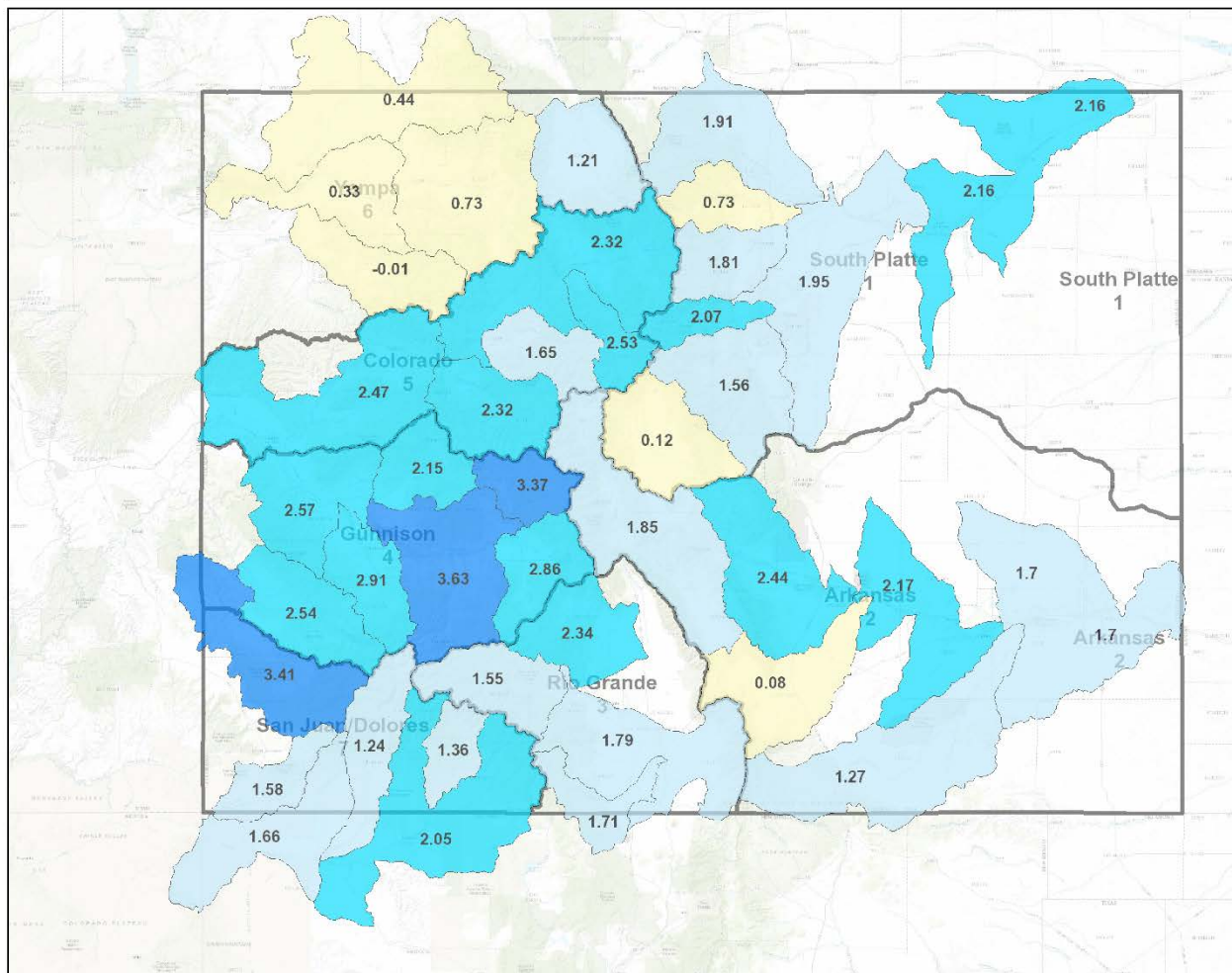
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CDSS

Colorado's Decision Support Systems

Map Viewer



Legend

SWSI - Current Report

- ☐ SWSI Not Applicable (-99.99)
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Location



Notes

113.39 0 56.7 113.39 Miles

1: 3,592,220



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Date Prepared: 3/20/2017 12:40:32 PM

Summary

- February precipitation was right at normal (100%)
- As of March 20th snowpack according to SNOTEL data was at 116% of normal, down from 133% of normal on March 1st
- Reservoir storage has remained relatively constant and currently resides at 107% of average
- Mar 1 streamflow forecasts were quite promising with above to well above normal forecasts. However, change to dry degraded conditions
- Without a change to a wetter pattern, indicators point to decreasing streamflow forecasts for much of the state on Apr 1
- Little change in SWSI values since last month due to minimal change and near normal reservoirs and precipitation



United States Department of Agriculture

Colorado Snow Surveys

Water Availability Task Force Meeting

March 21st, 2017

NRCS Snow Survey and Water Supply Forecasting Program

Brian Domonkos
Snow Survey Supervisor
720-544-2852

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