



United States Department of Agriculture

Colorado Snow Surveys

Water Availability Task Force Meeting

August 12th, 2015

NRCS Snow Survey and Water Supply Forecasting Program

Karl Wetlaufer

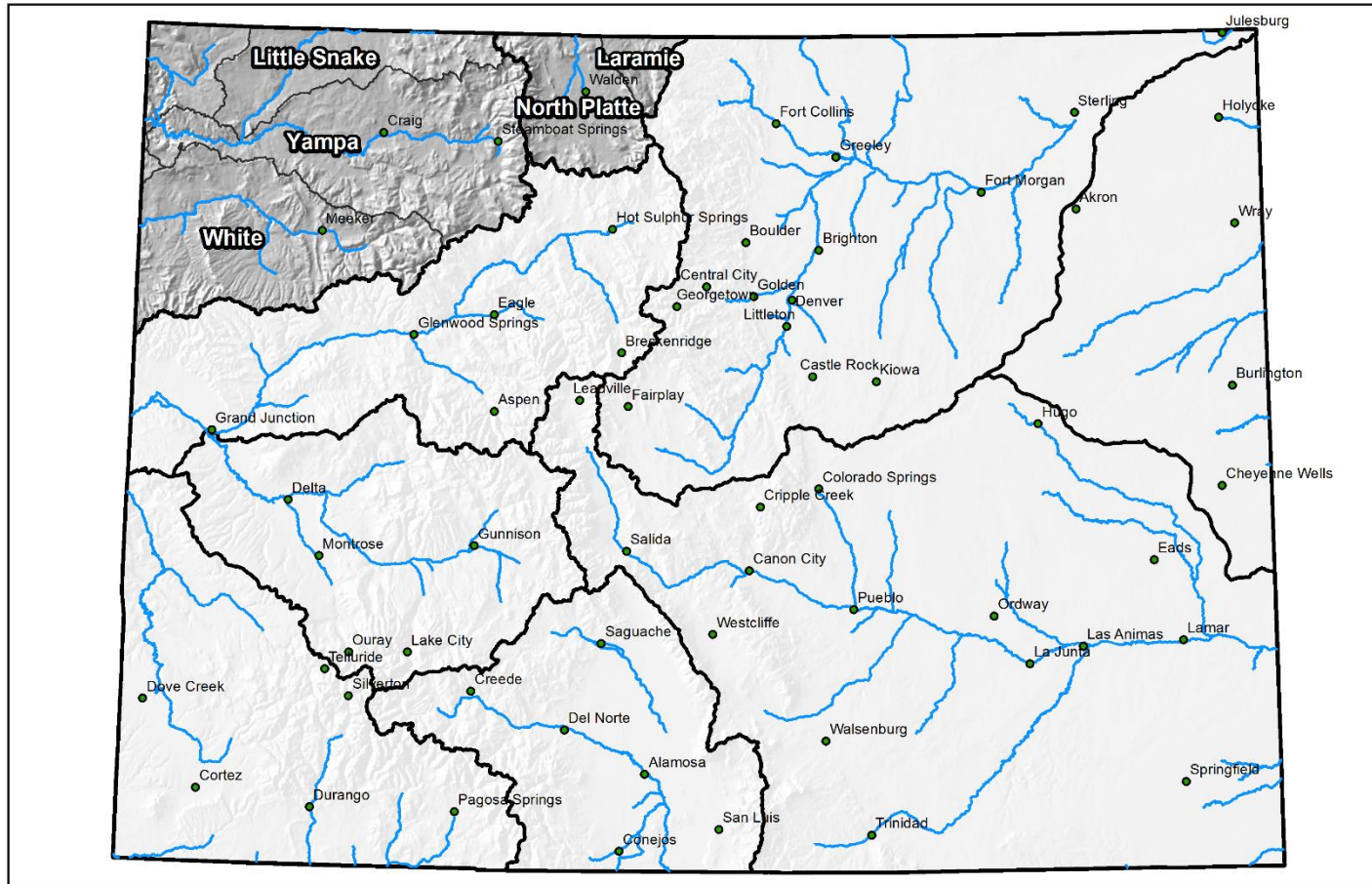
Colorado Snow Survey Hydrologist

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

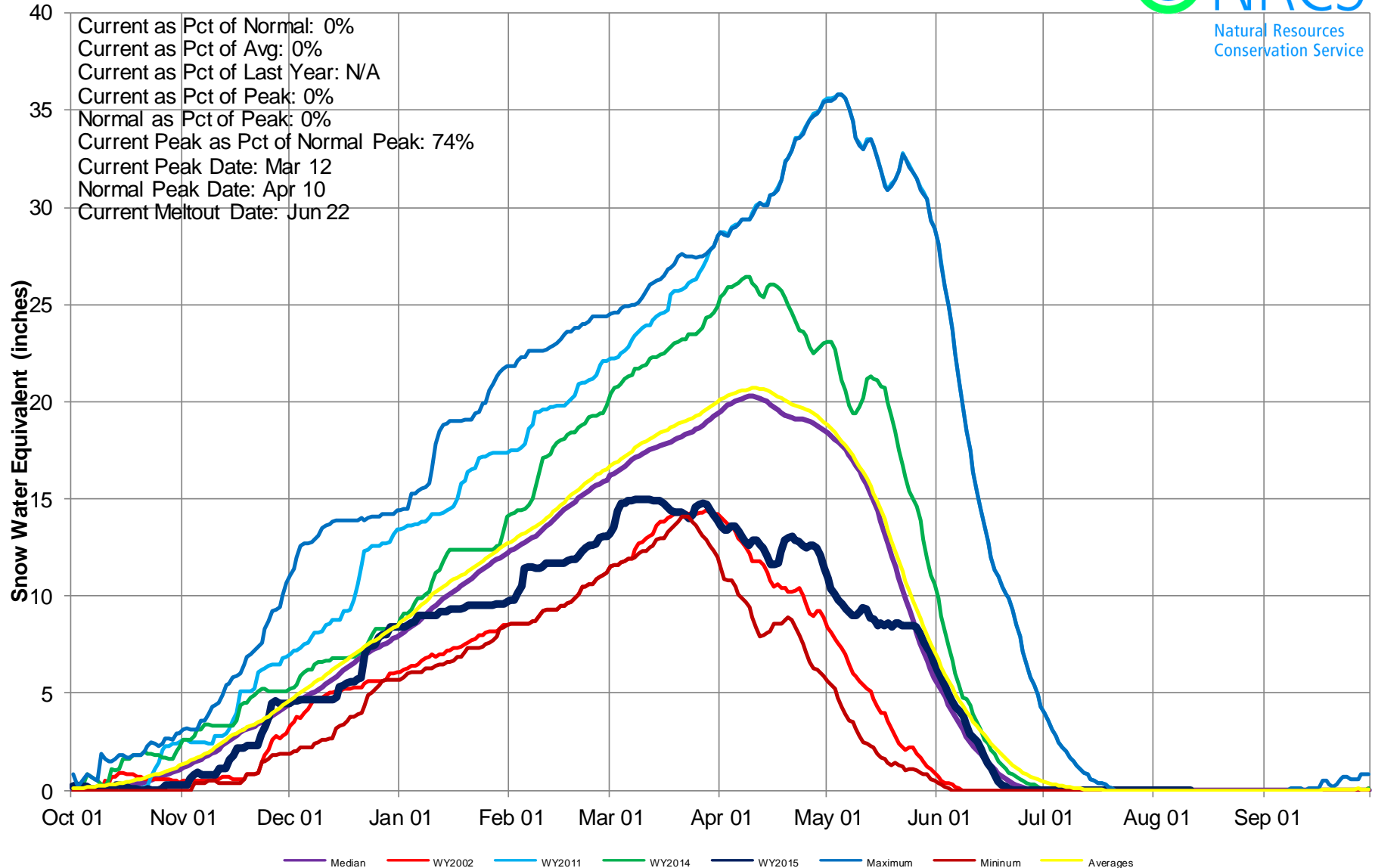


United States Department of Agriculture

Colorado Snow Surveys

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

Based on Provisional SNOTEL data as of Aug 11, 2015





United States Department of Agriculture

Colorado Snow Surveys

Yampa & White River Basins High/Low Monthly Precipitation Summary

Based on Provisional SNOTEL data as of Aug 11, 2015

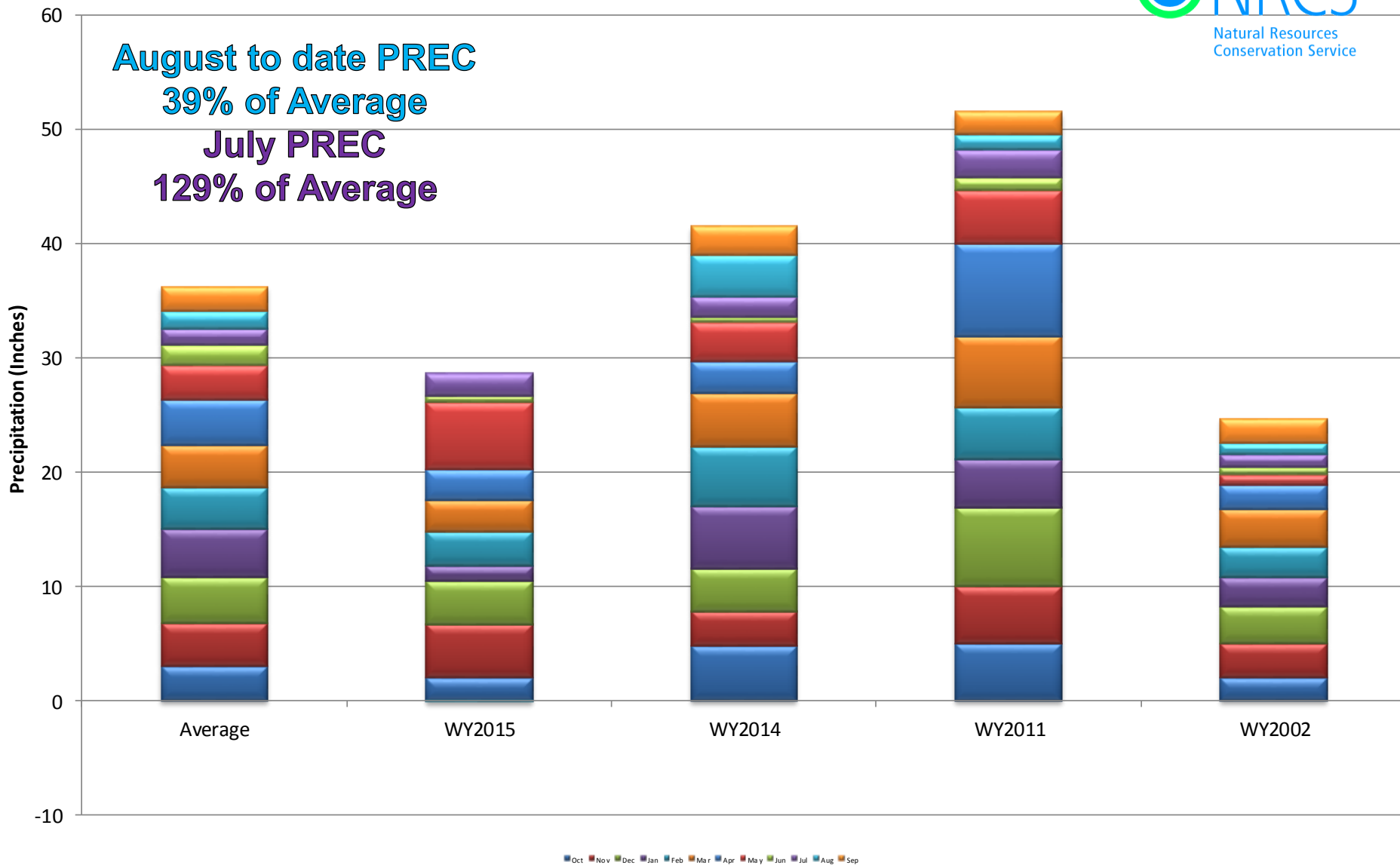


August to date PREC

39% of Average

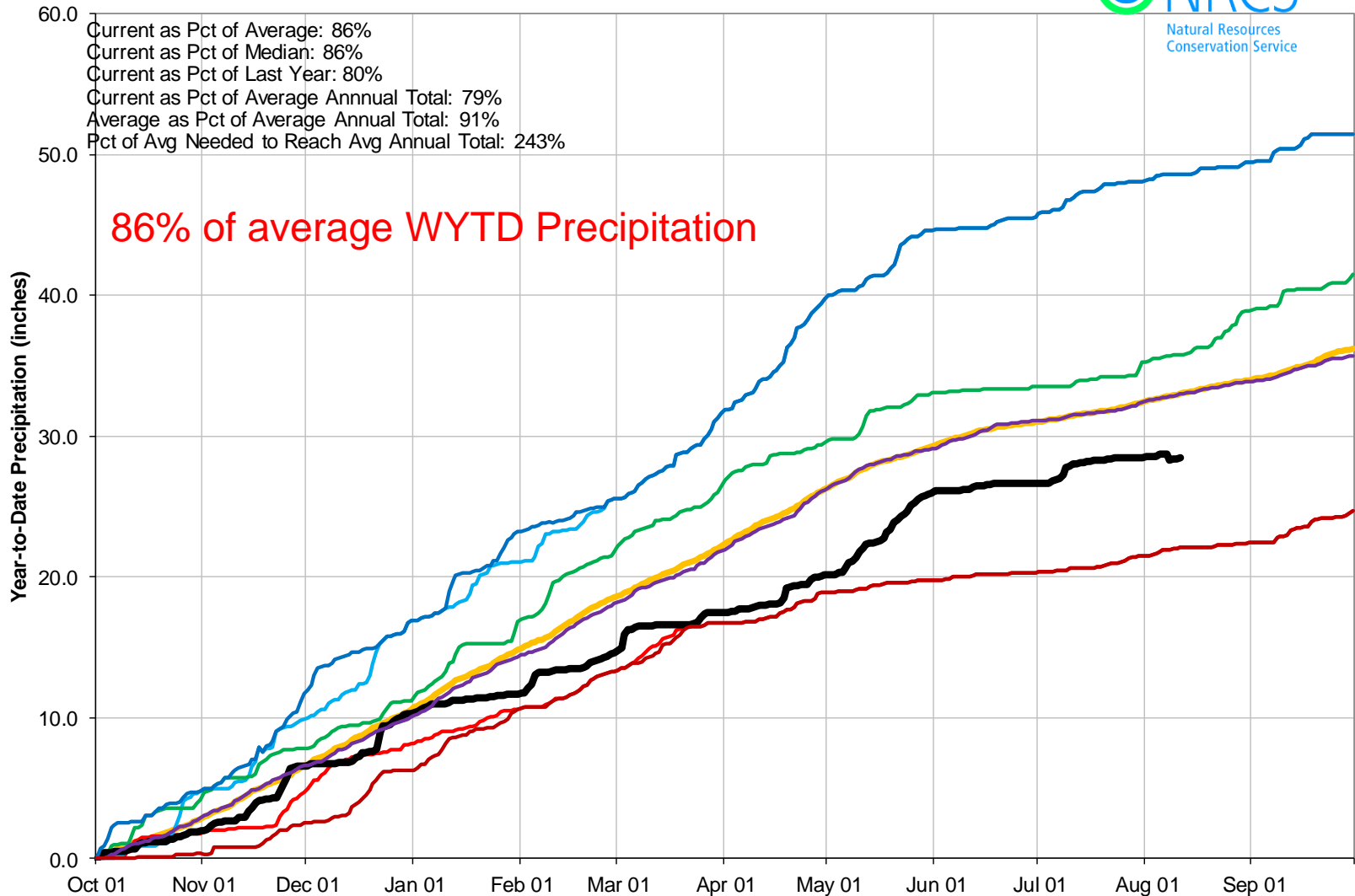
July PREC

129% of Average



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

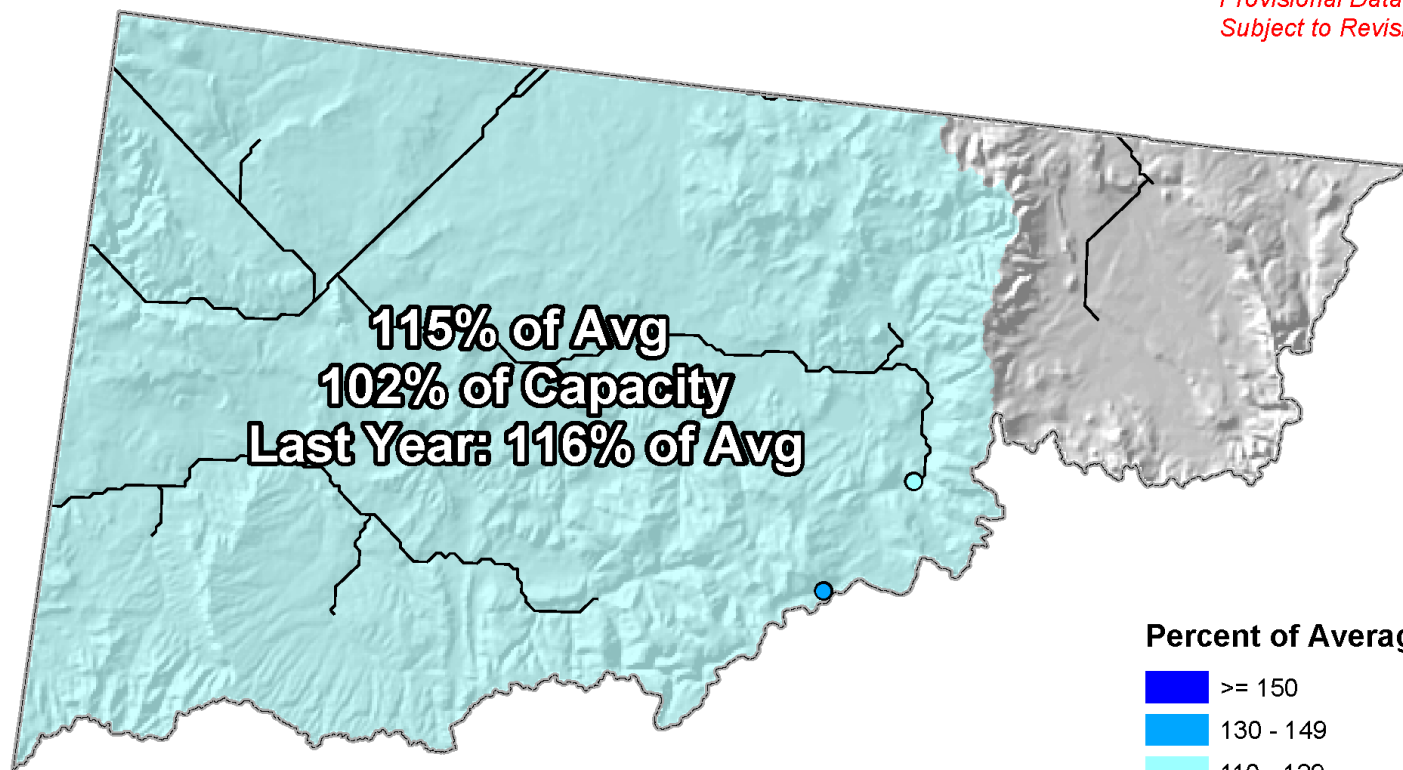
Based on Provisional SNOTEL data as of Aug 11, 2015



Yampa & White River Basins Reservoir Storage Map

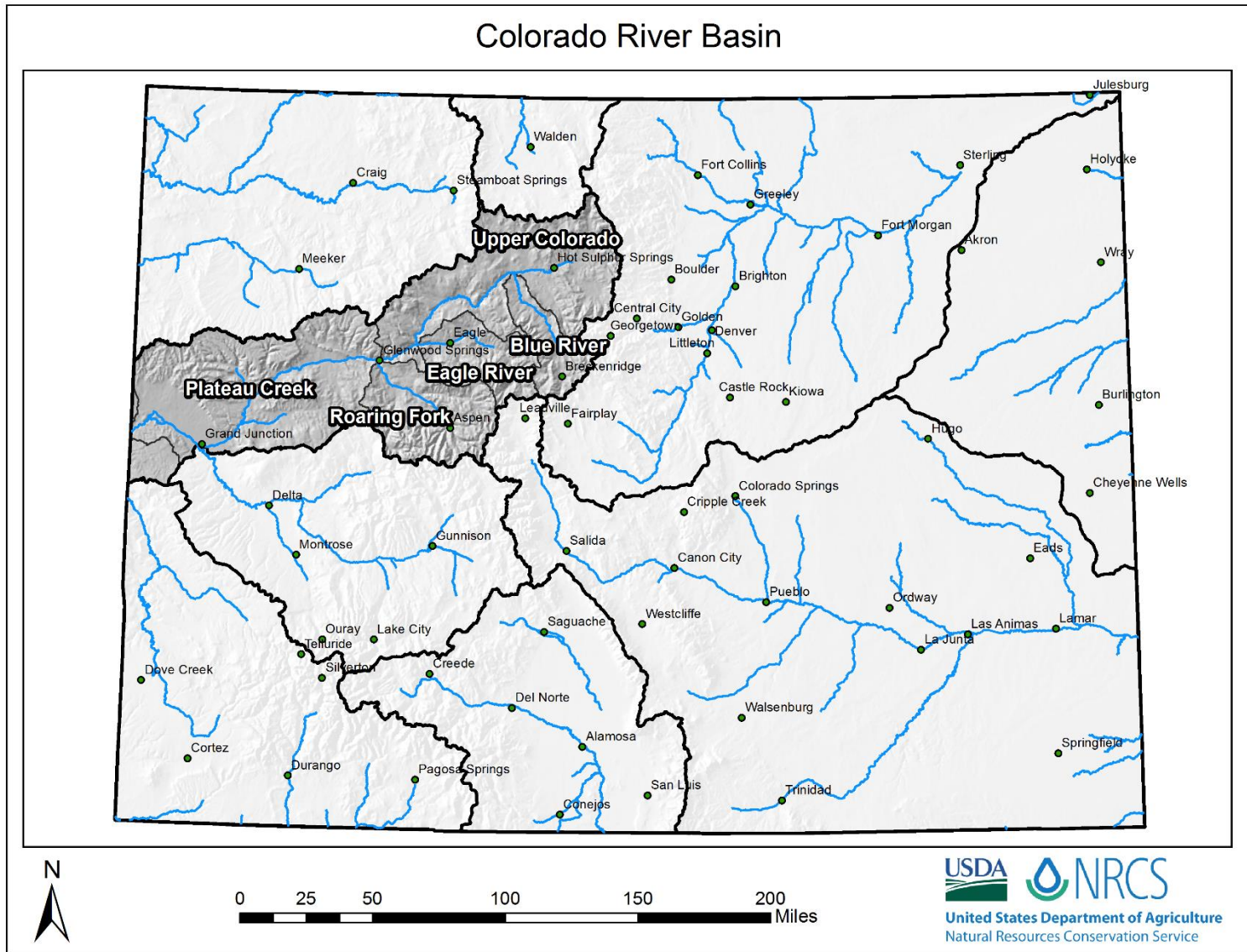


*Provisional Data
Subject to Revision*



End of July 2015

Major Basin Summary



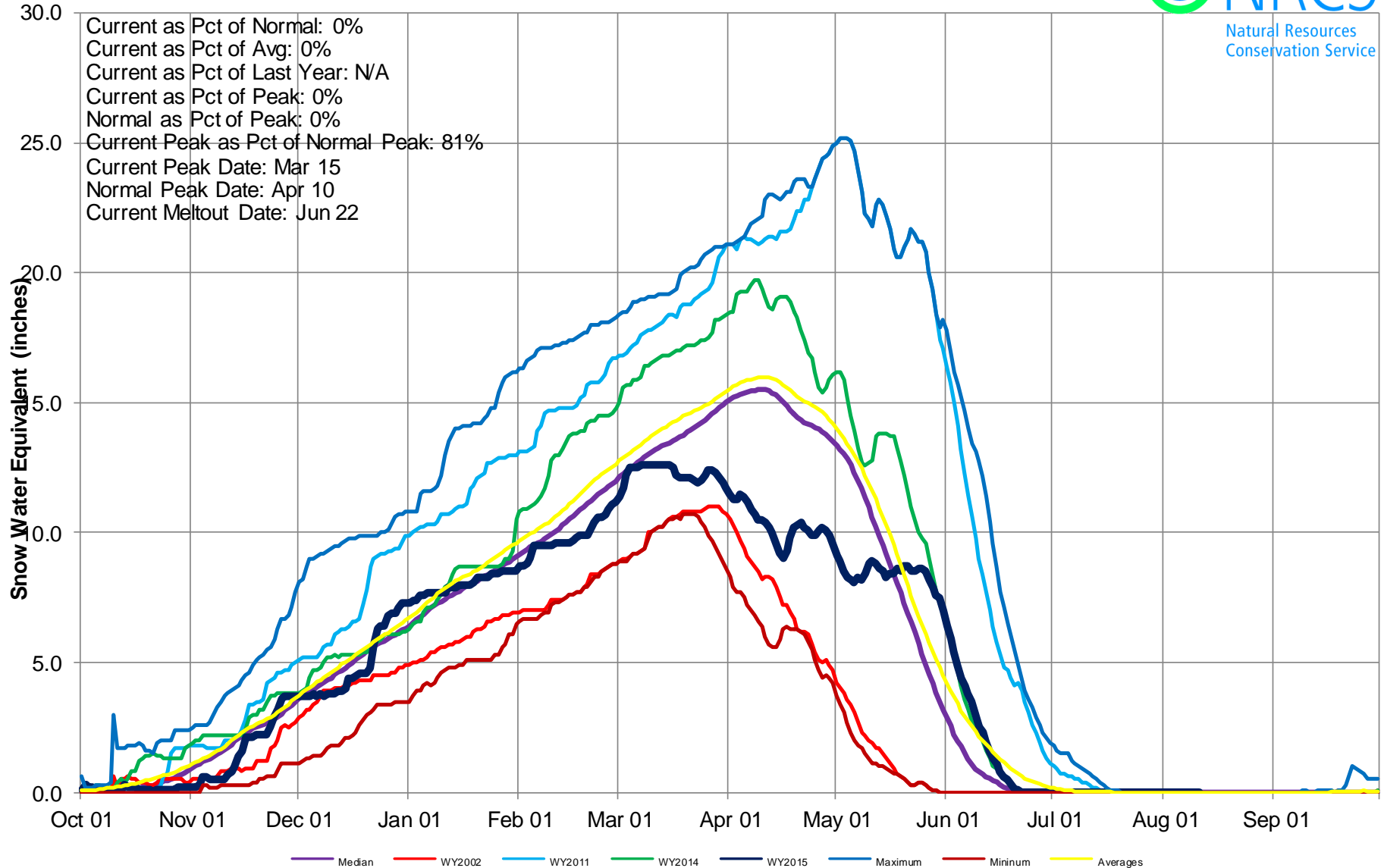


United States Department of Agriculture

Colorado Snow Surveys

Upper Colorado River Basin High/Low Snowpack Summary

Based on Provisional SNOTEL data as of Aug 11, 2015



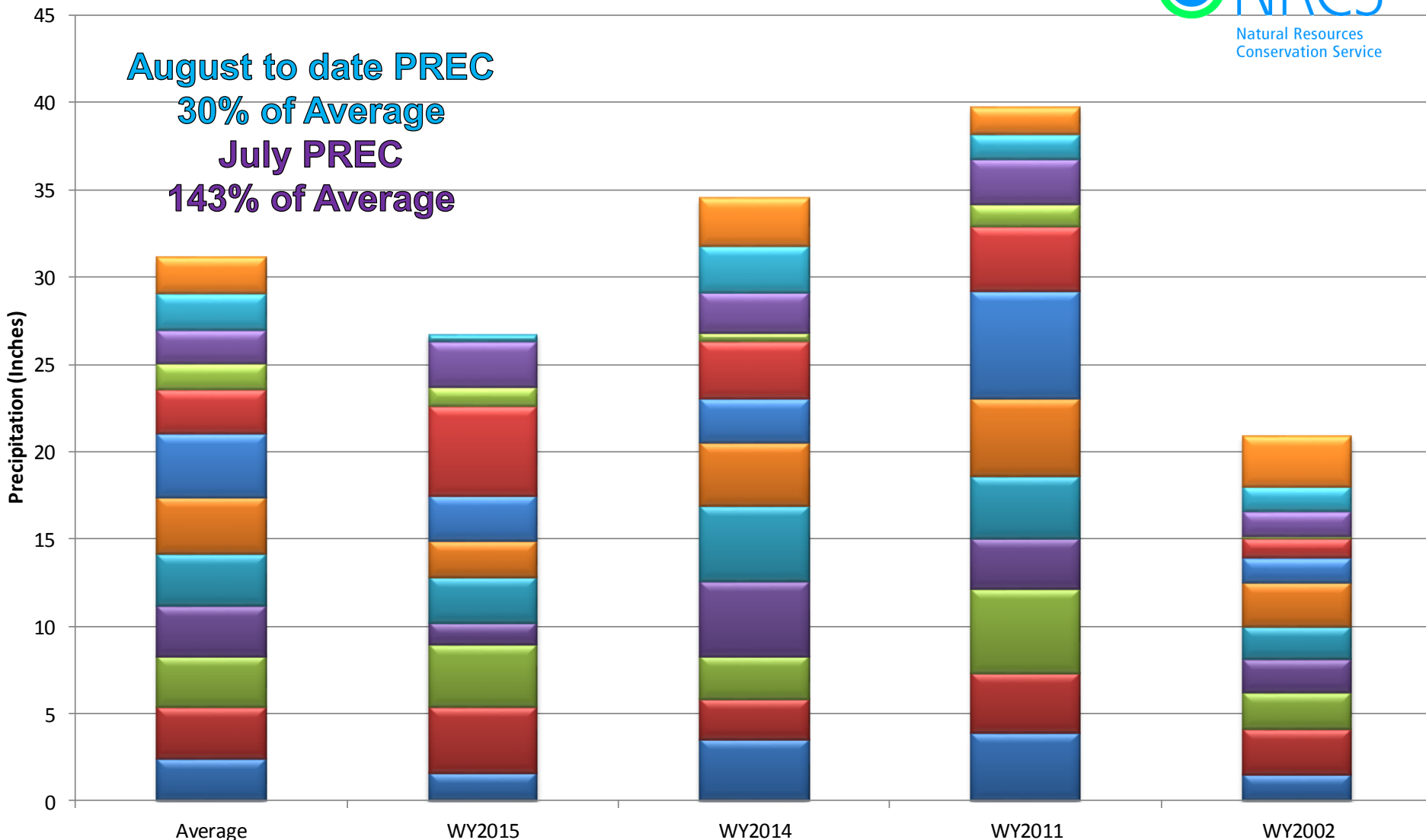


Upper Colorado River Basin High/Low Monthly Precipitation Summary

Based on Provisional SNOTEL data as of Aug 11, 2015



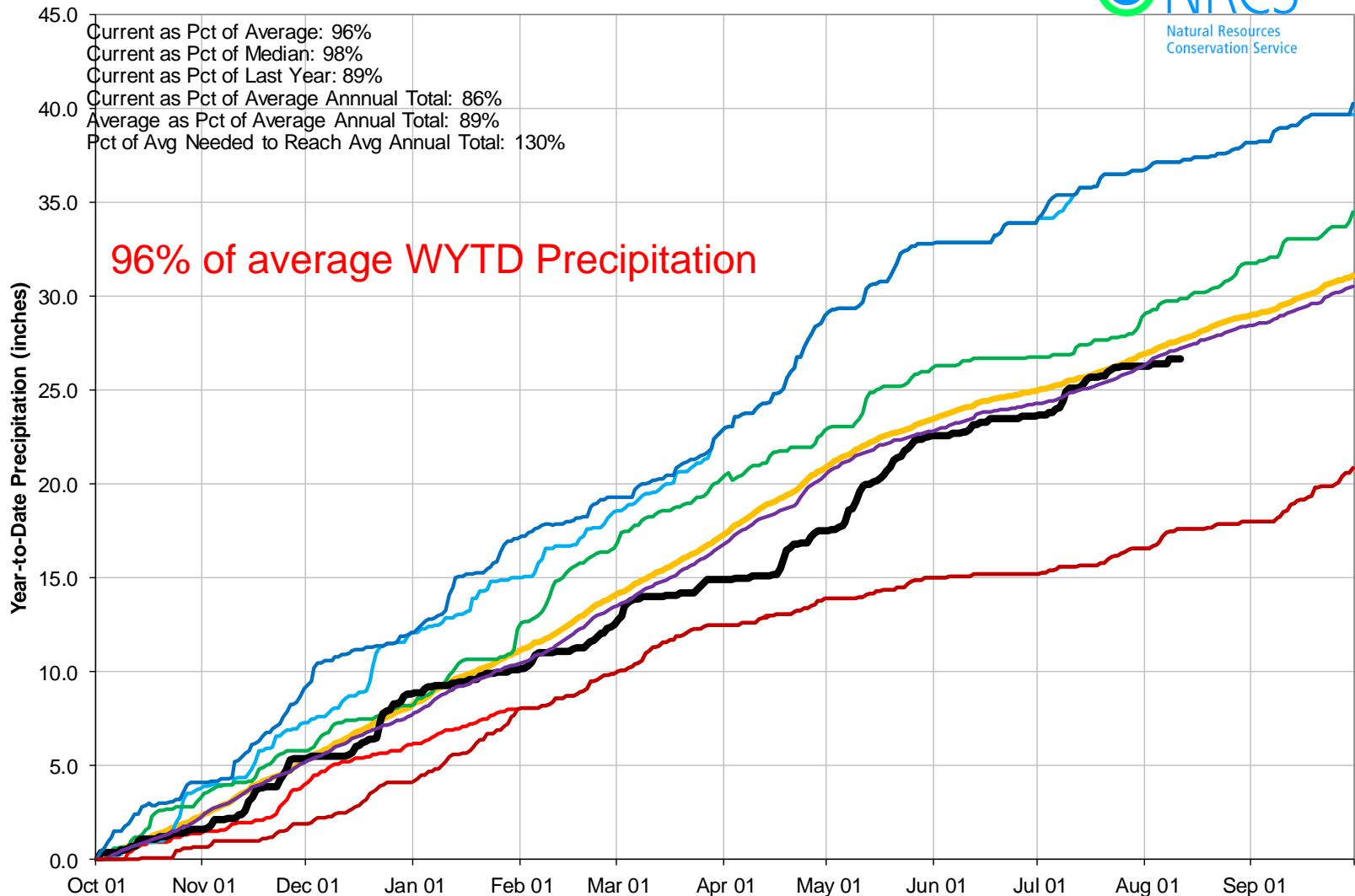
August to date PREC
30% of Average
July PREC
143% of Average





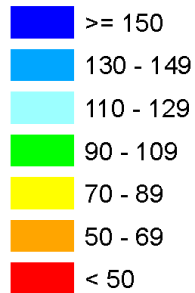
Upper Colorado River Basin High/Low Year-to-Date Precipitation Summary

Based on Provisional SNOTEL data as of Aug 11, 2015

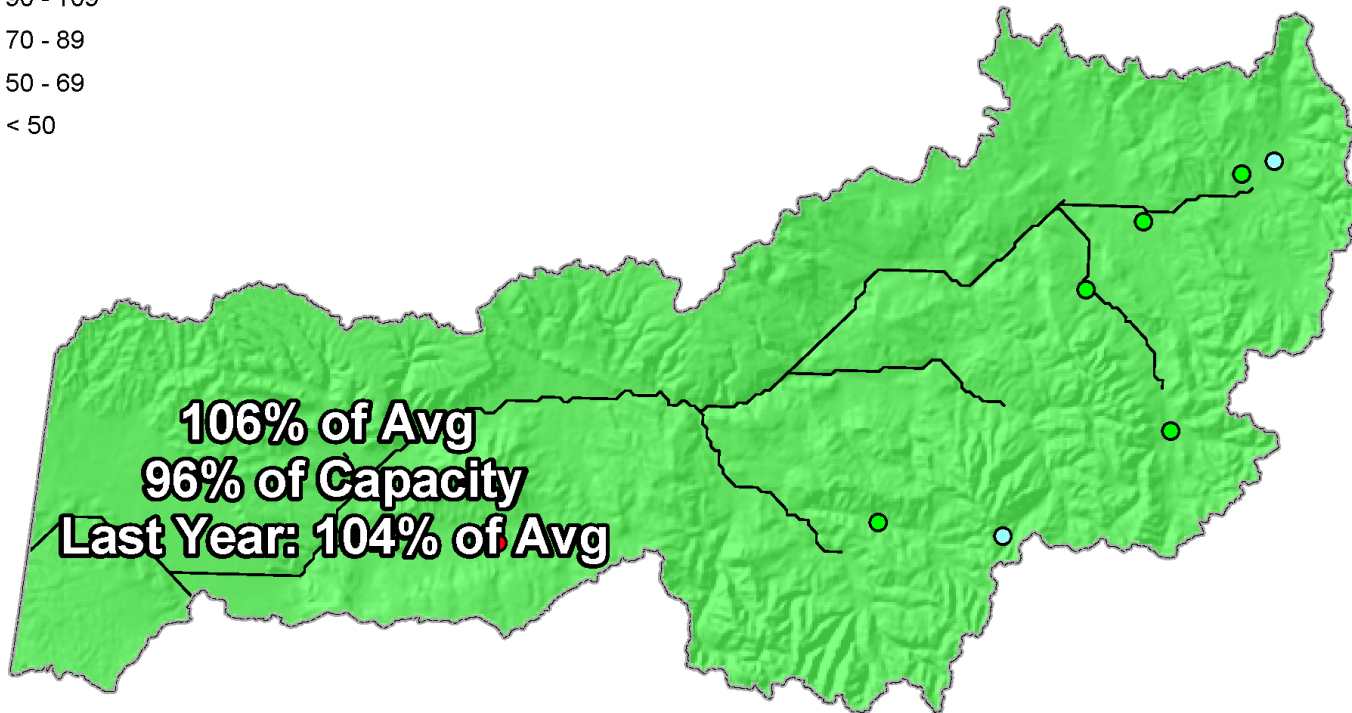


Colorado River Basin Reservoir Storage Map

Percent of Average



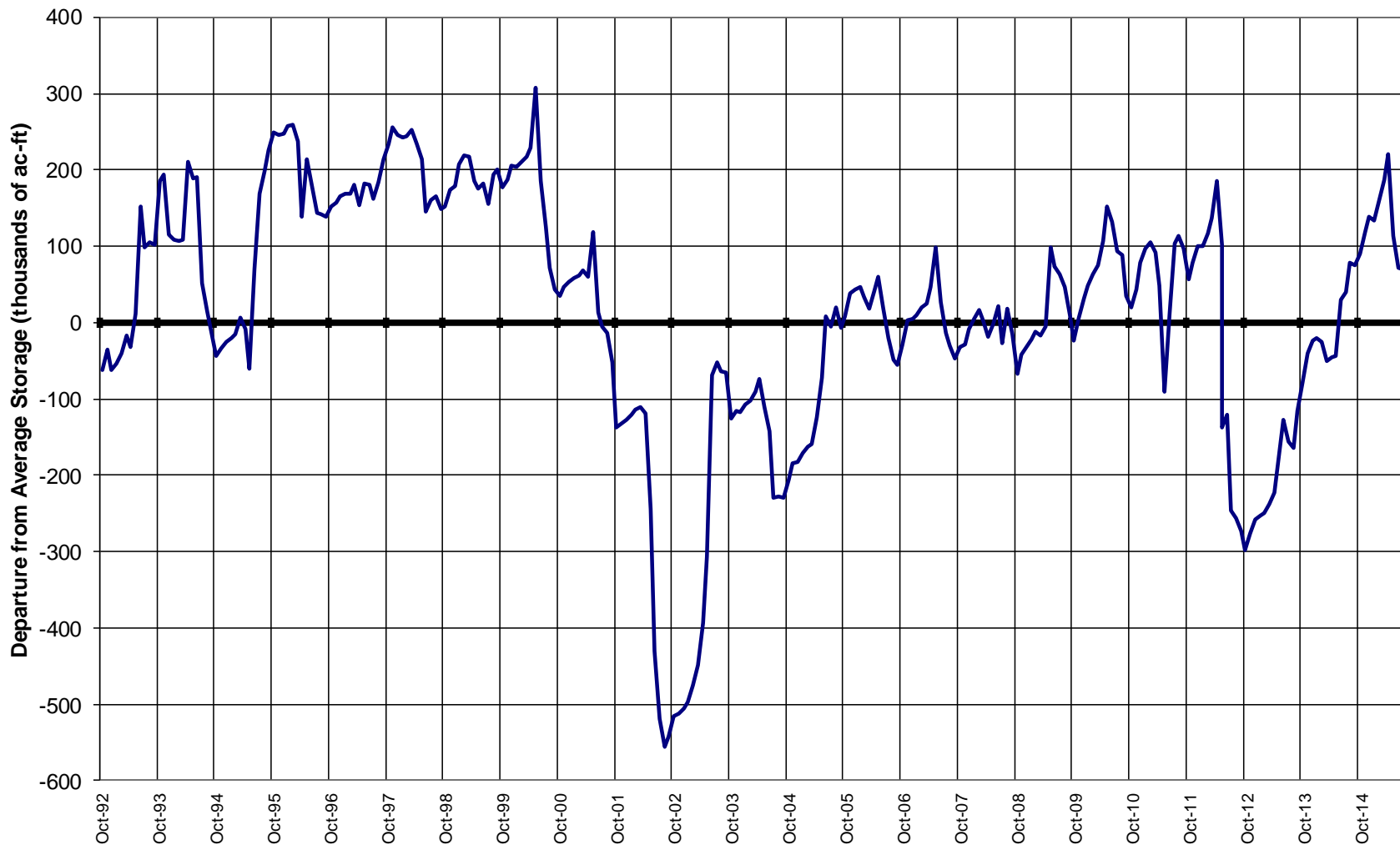
*Provisional Data
Subject to Revision*



End of July 2015

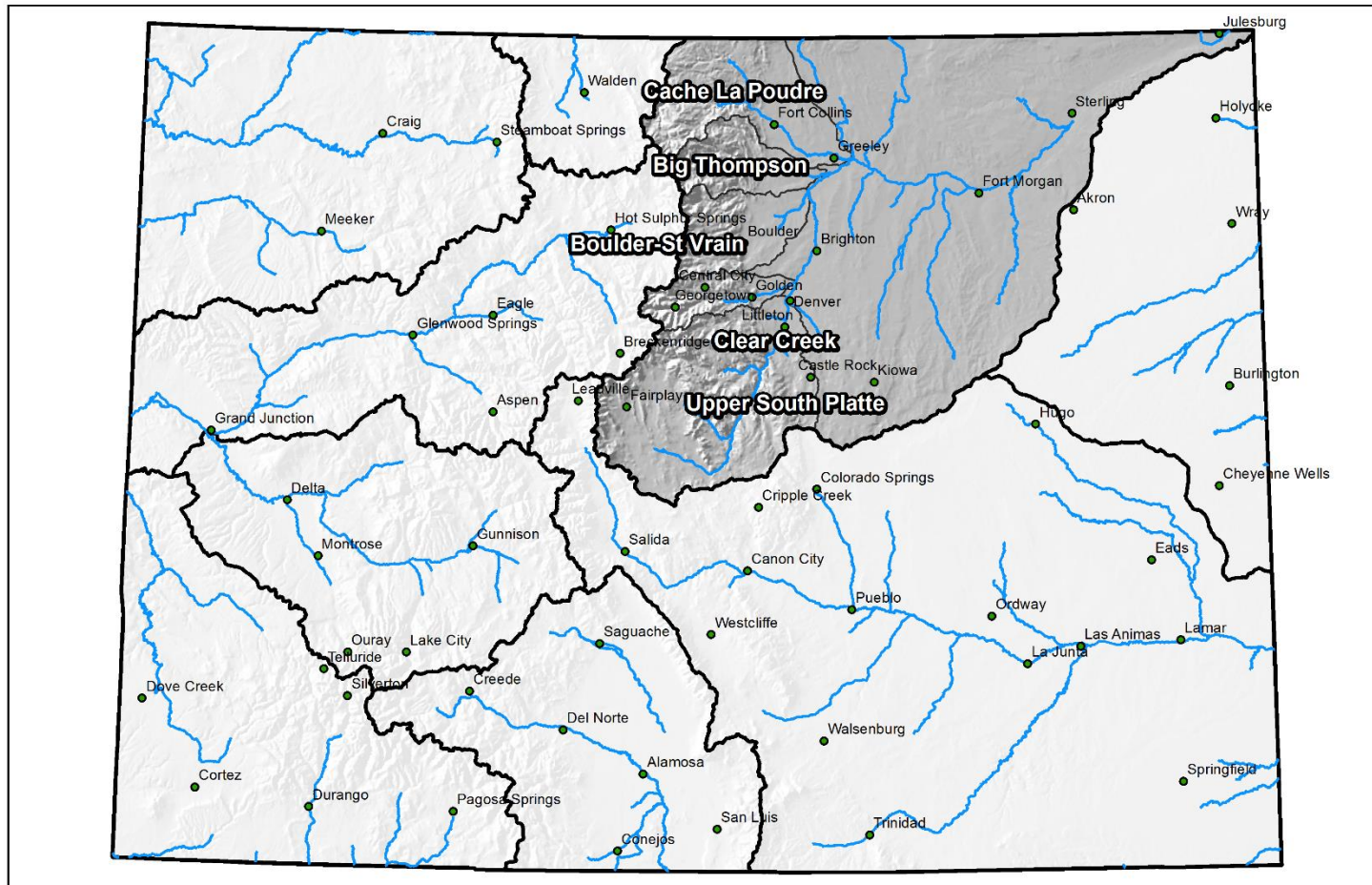


COLORADO RIVER BASIN Reservoir Storage Departure from Average



Major Basin Summary

South Platte River Basin



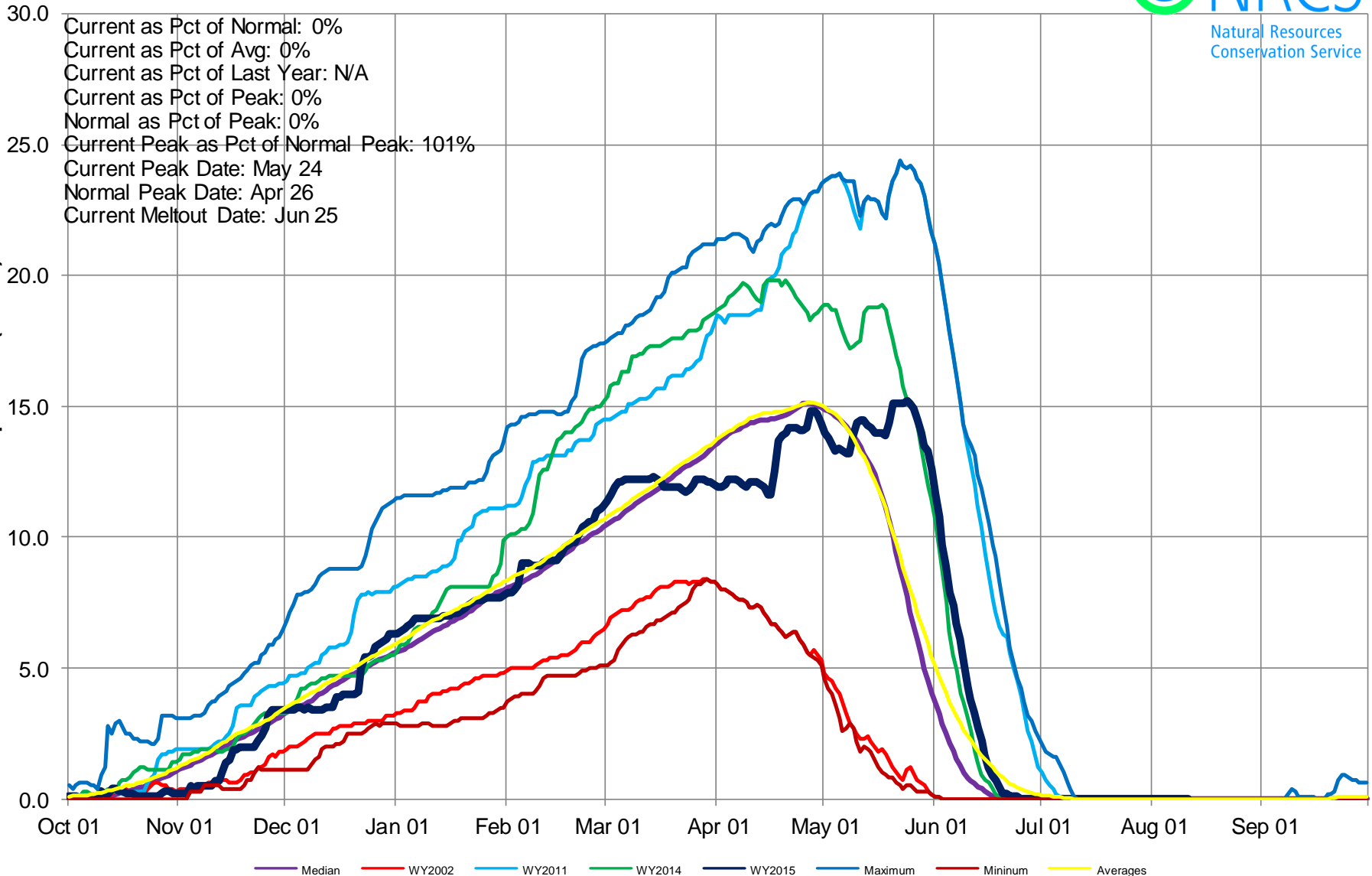


United States Department of Agriculture

Colorado Snow Surveys

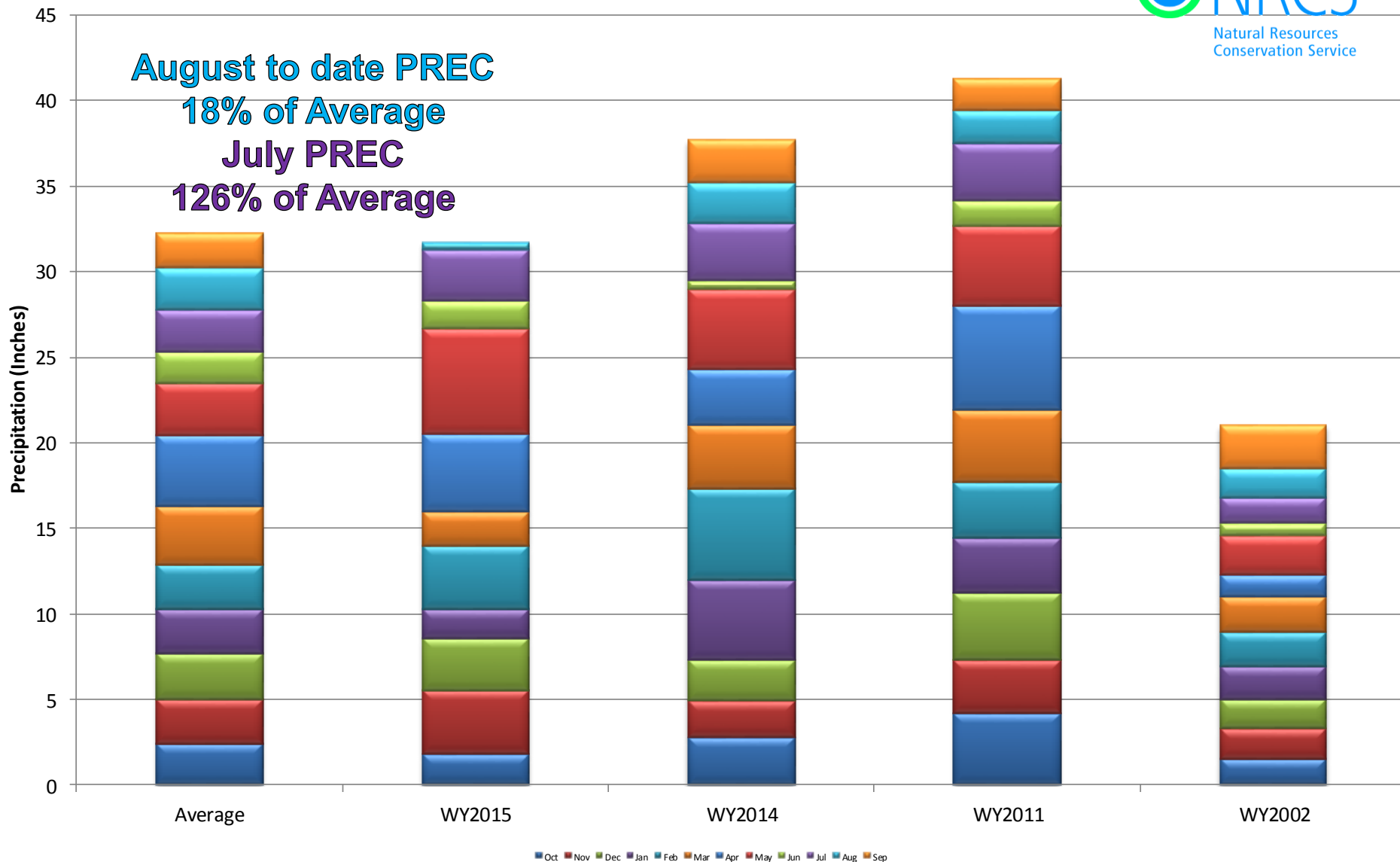
South Platte River Basin High/Low Snowpack Summary

Based on Provisional SNOTEL data as of Aug 11, 2015



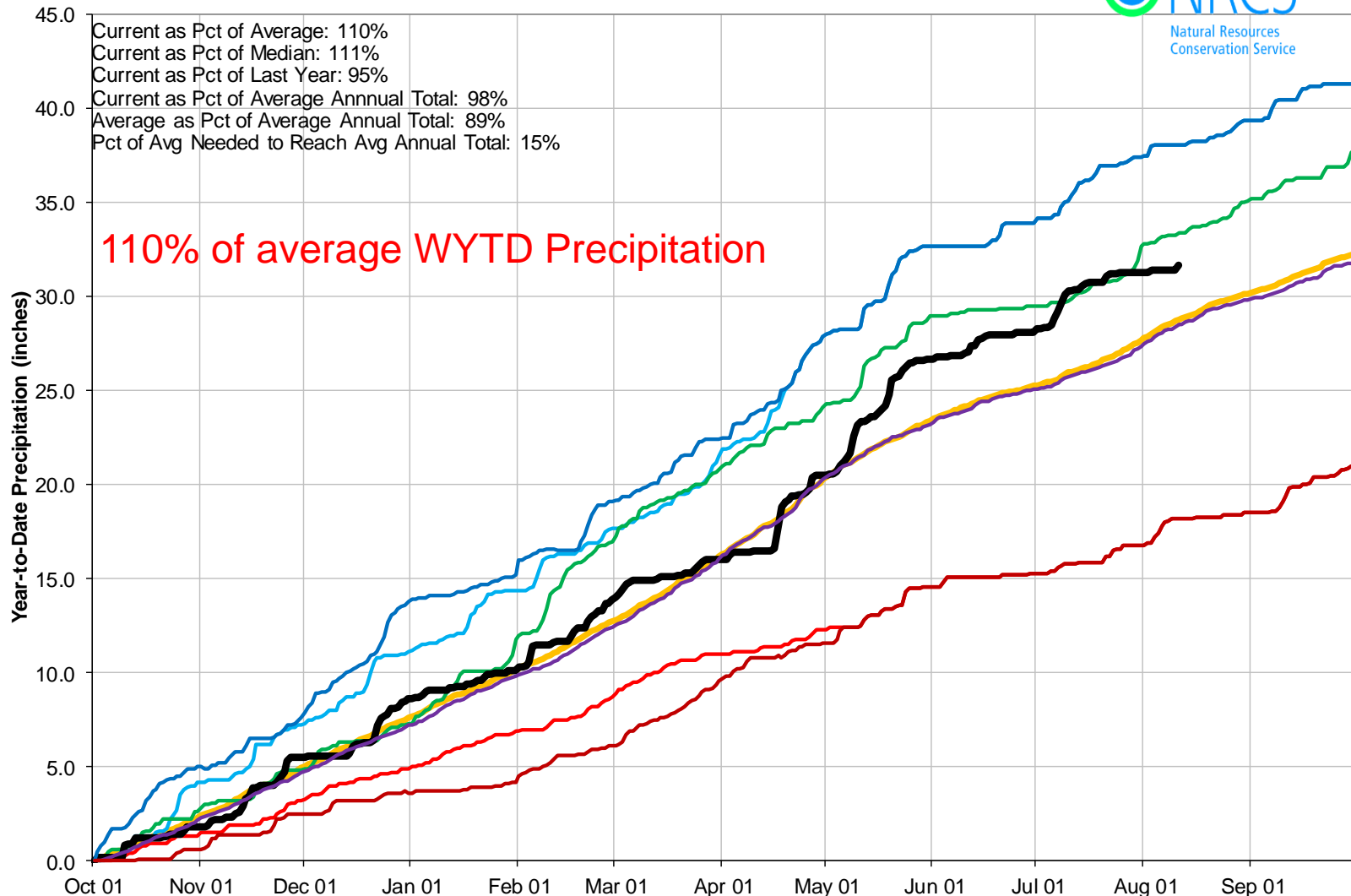
South Platte River Basin High/Low Monthly Precipitation Summary

Based on Provisional SNOTEL data as of Aug 11, 2015



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

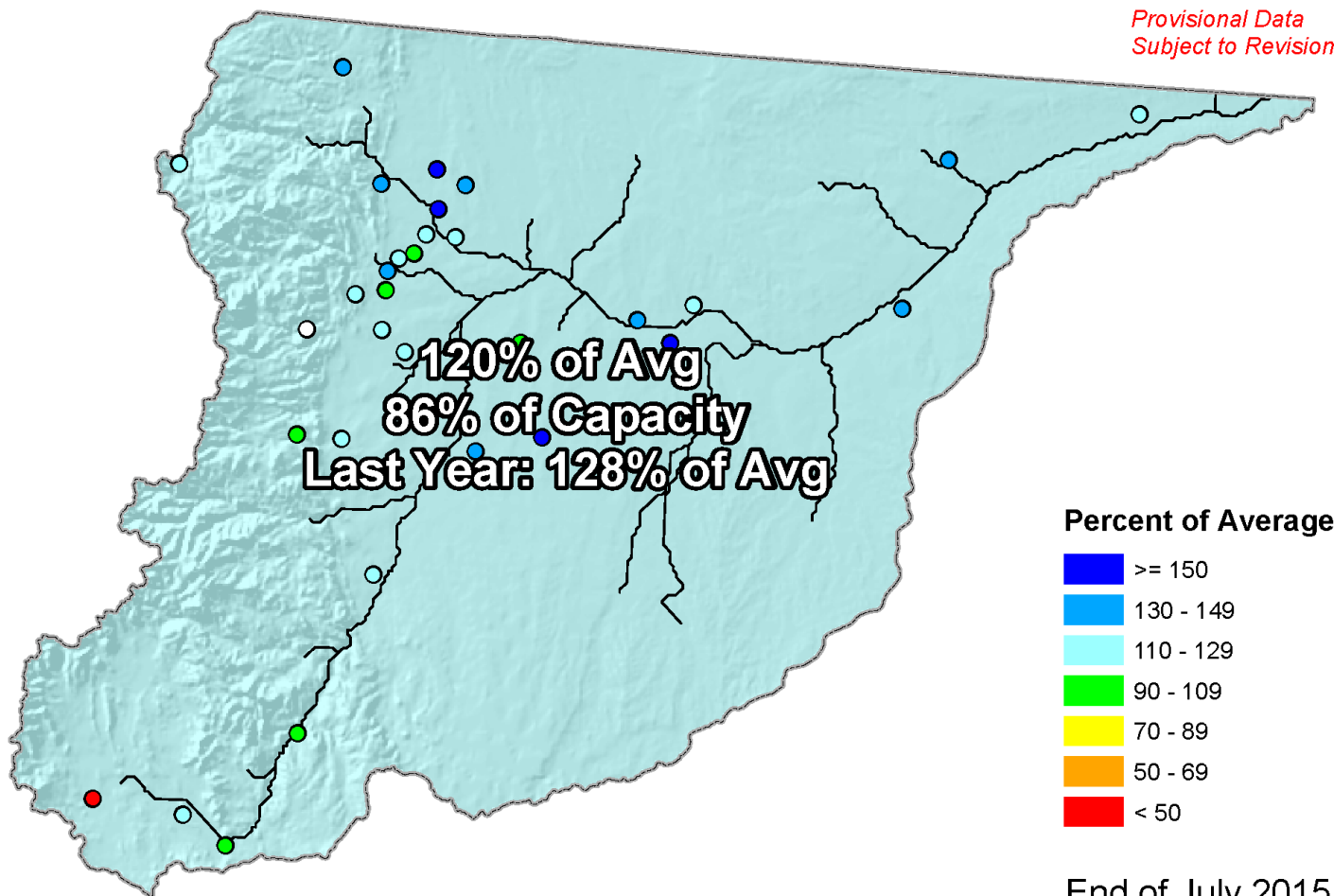
Based on Provisional SNOTEL data as of Aug 11, 2015



South Platte River Basin Reservoir Storage Map



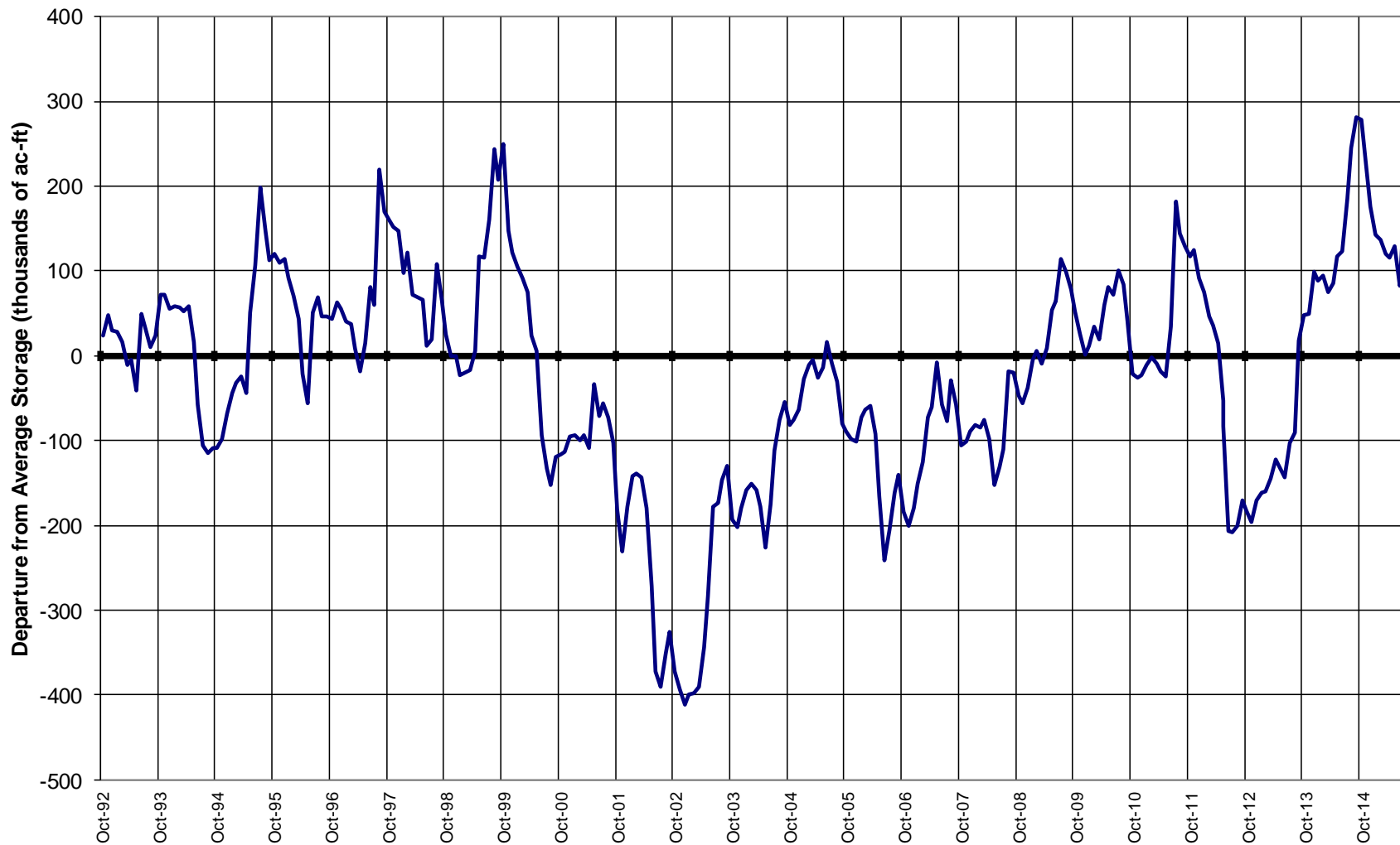
*Provisional Data
Subject to Revision*



End of July 2015

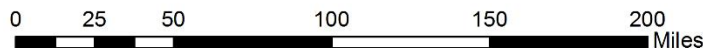
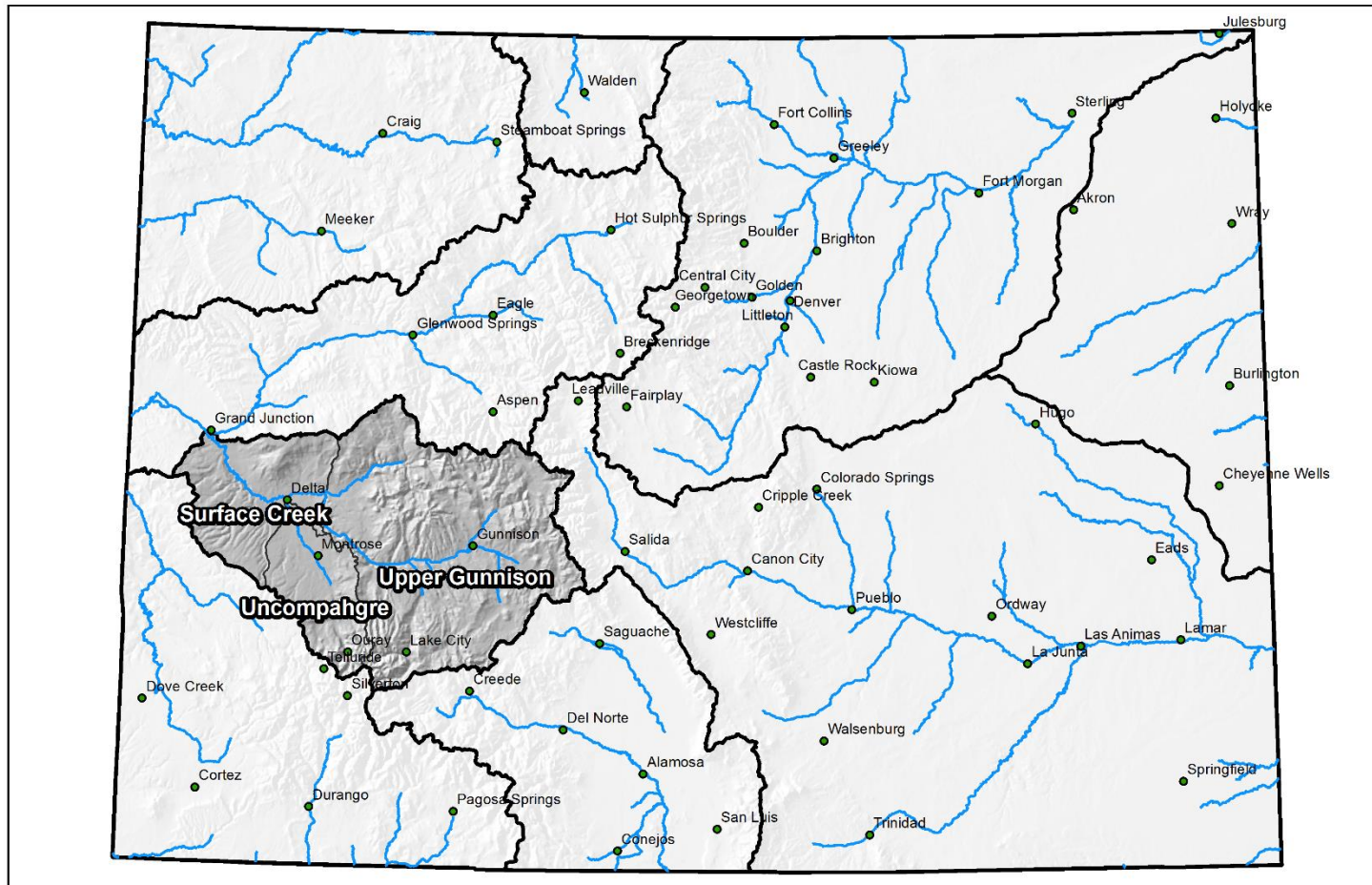


SOUTH PLATTE RIVER BASIN Reservoir Storage Departure from Average



Major Basin Summary

Gunnison River Basin



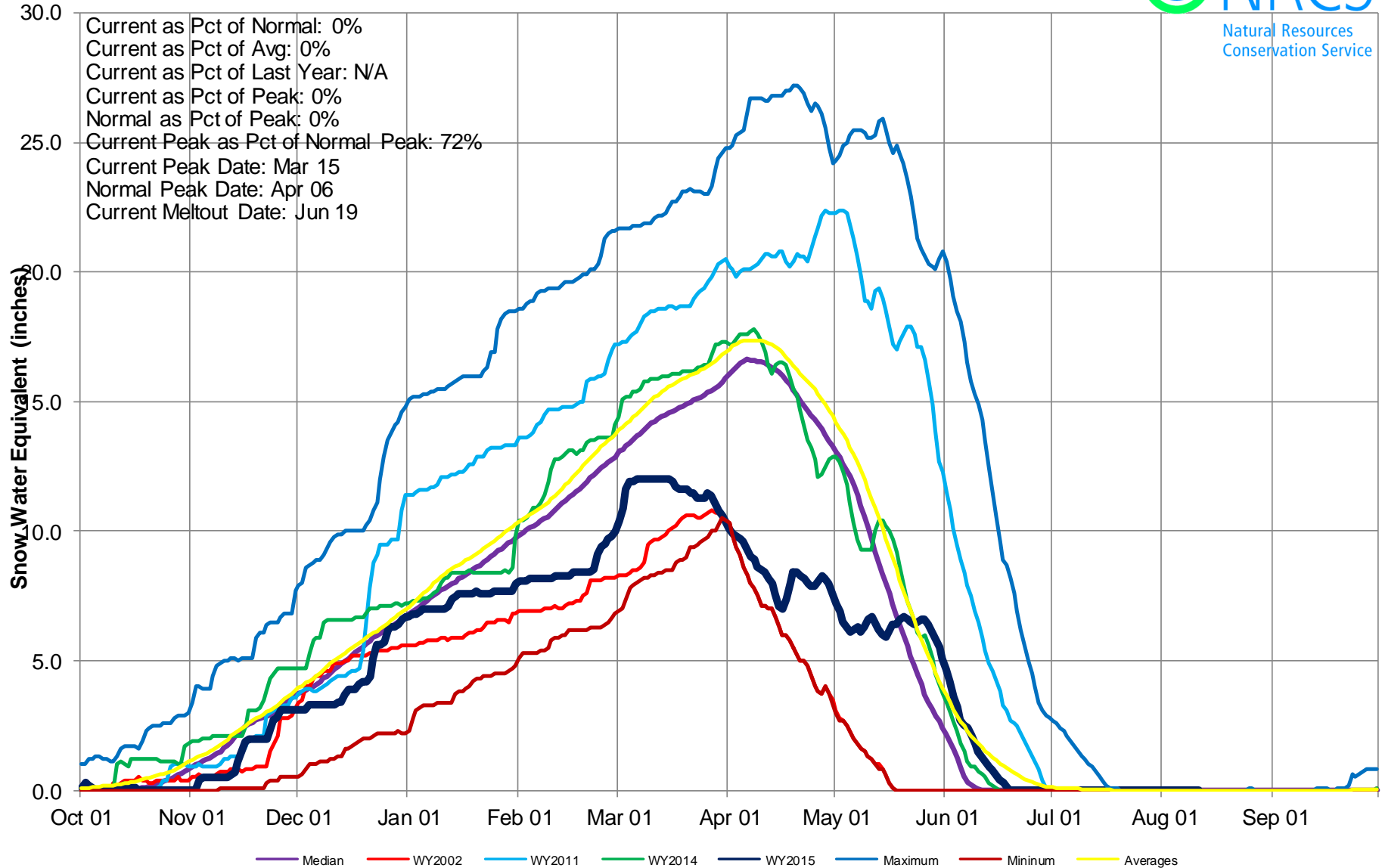


United States Department of Agriculture

Colorado Snow Surveys

Gunnison River Basin High/Low Snowpack Summary

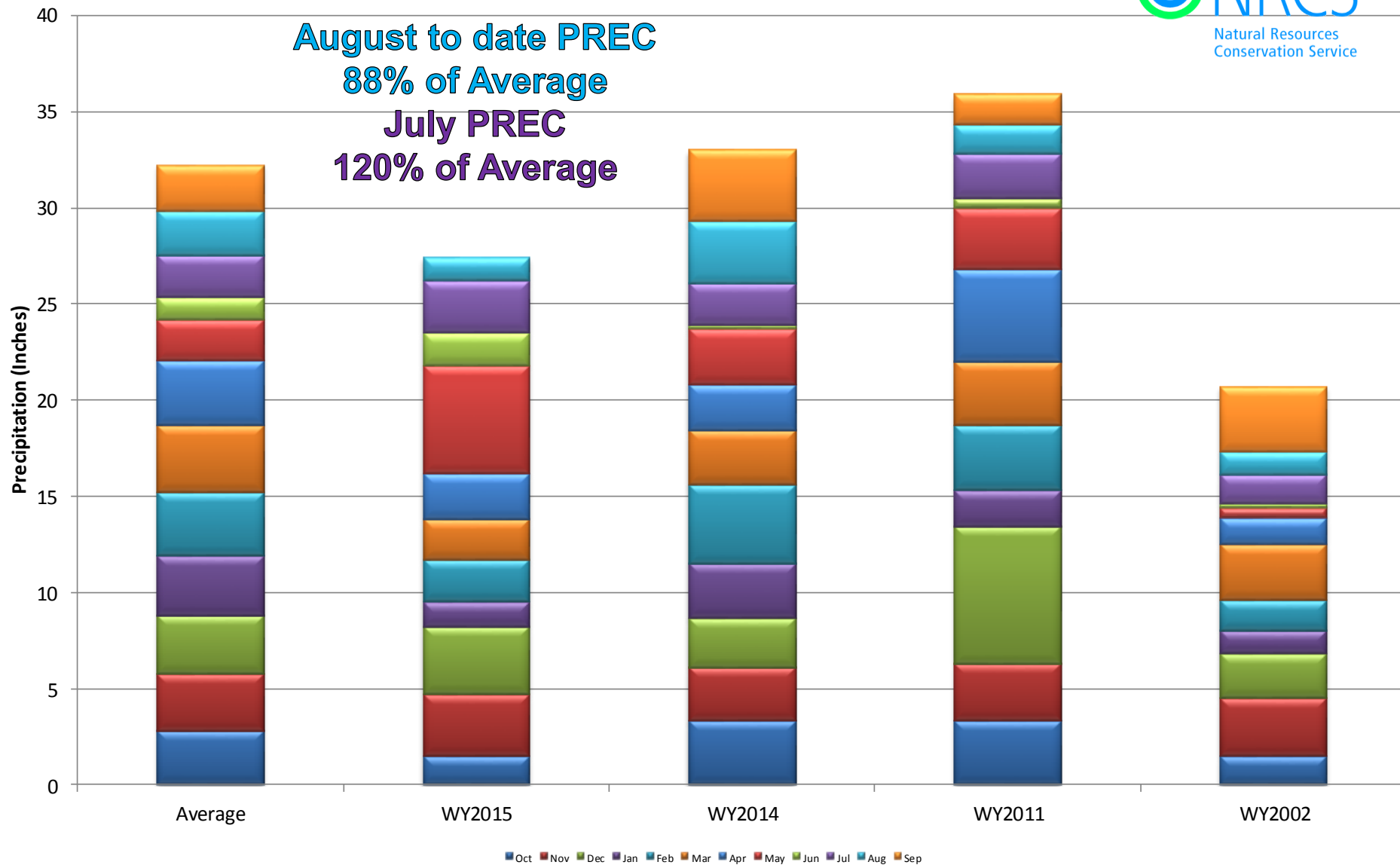
Based on Provisional SNOTEL data as of Aug 11, 2015





Gunnison River Basin High/Low Monthly Precipitation Summary

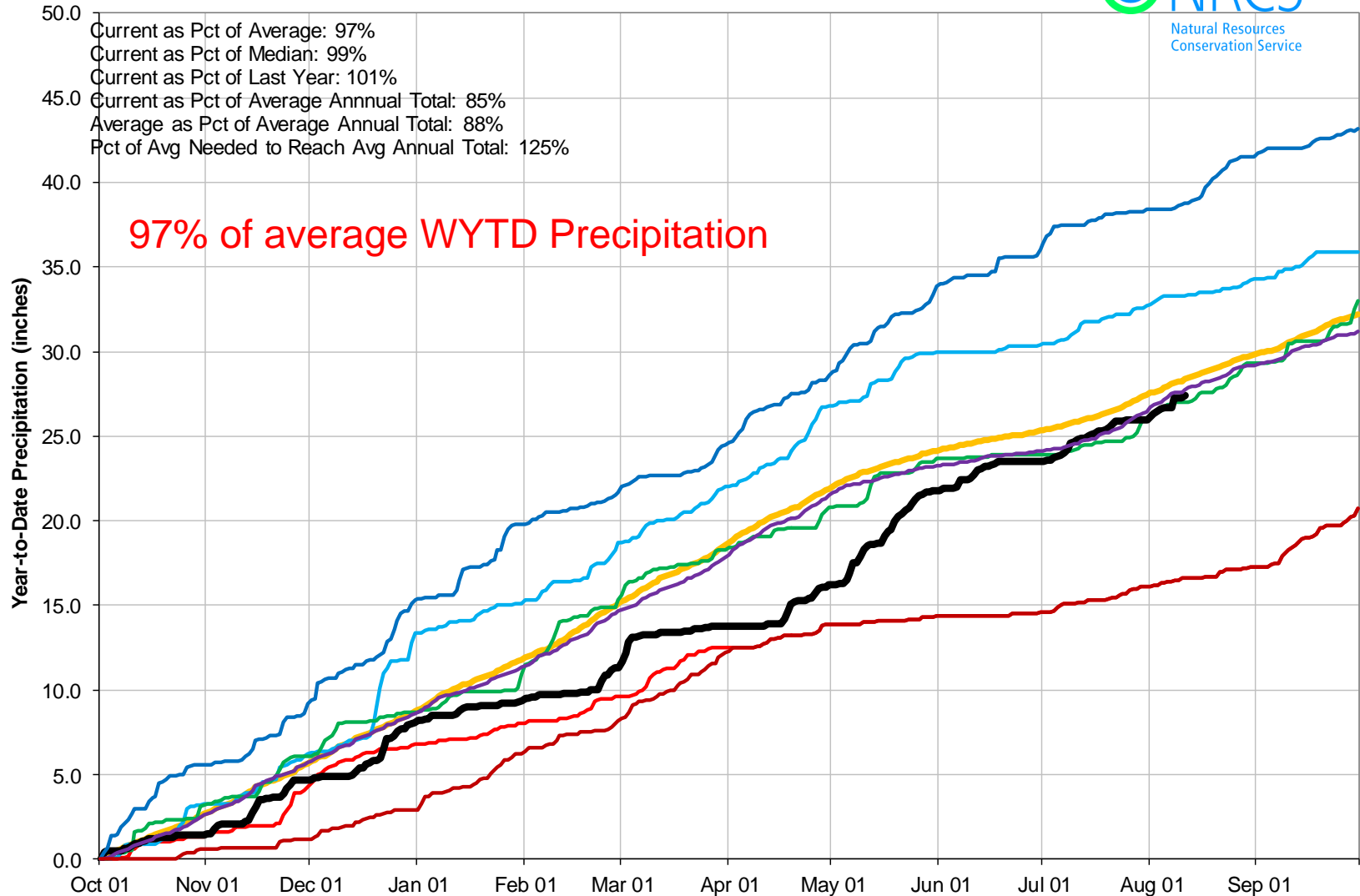
Based on Provisional SNOTEL data as of Aug 11, 2015





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

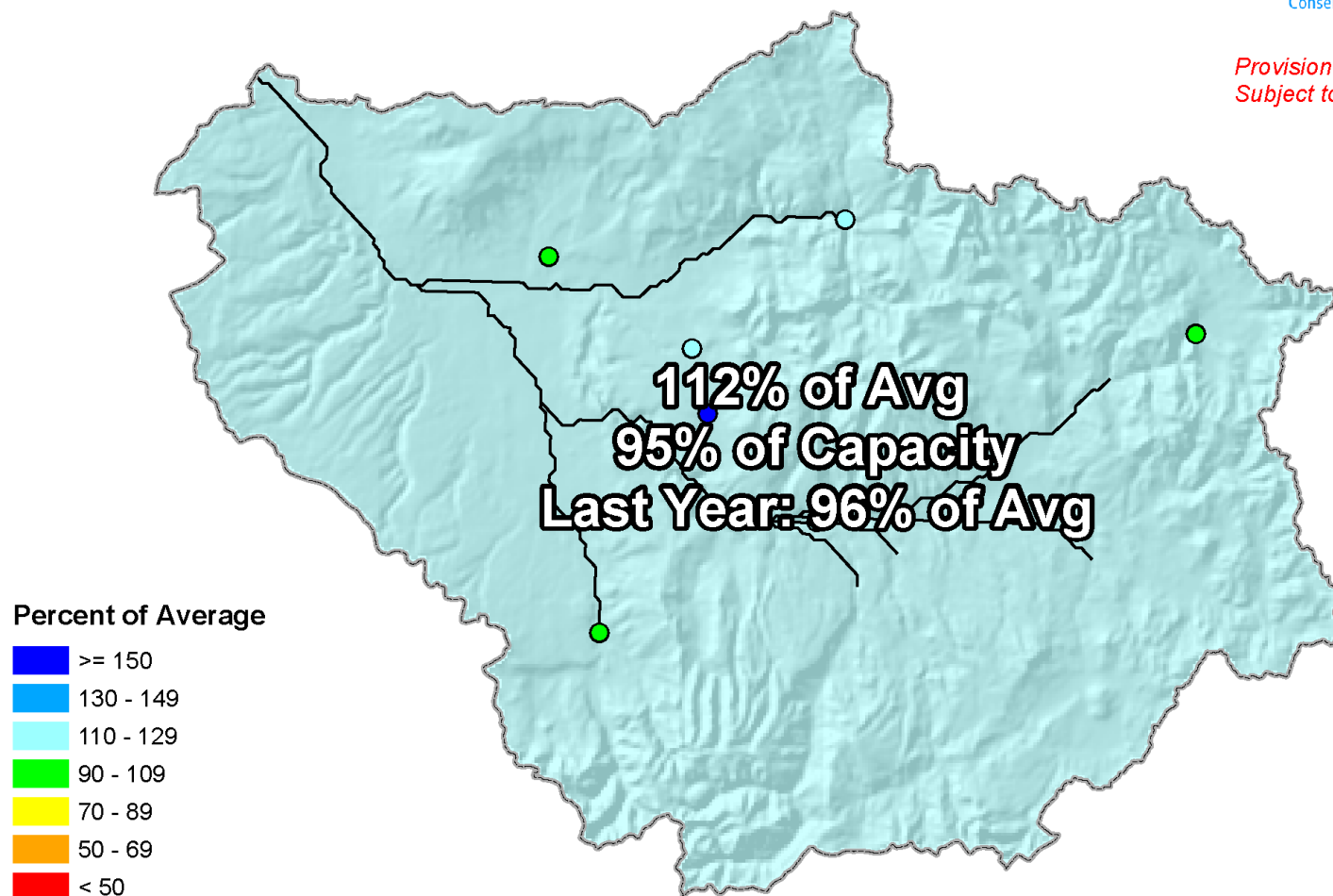
Based on Provisional SNOTEL data as of Aug 11, 2015



Gunnison River Basin Reservoir Storage Map



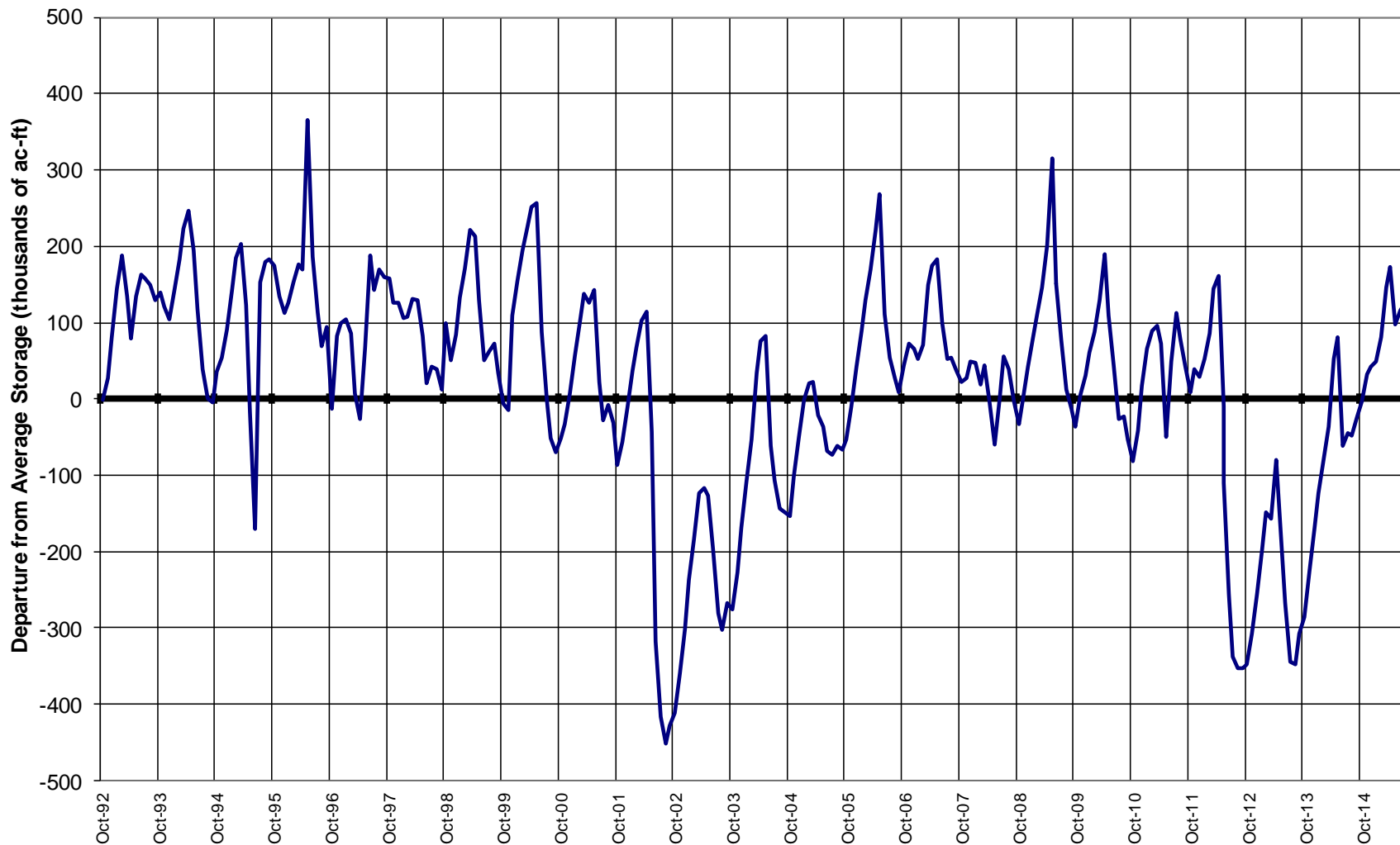
*Provisional Data
Subject to Revision*



End of July 2015

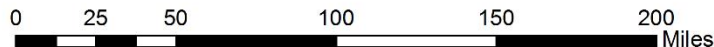
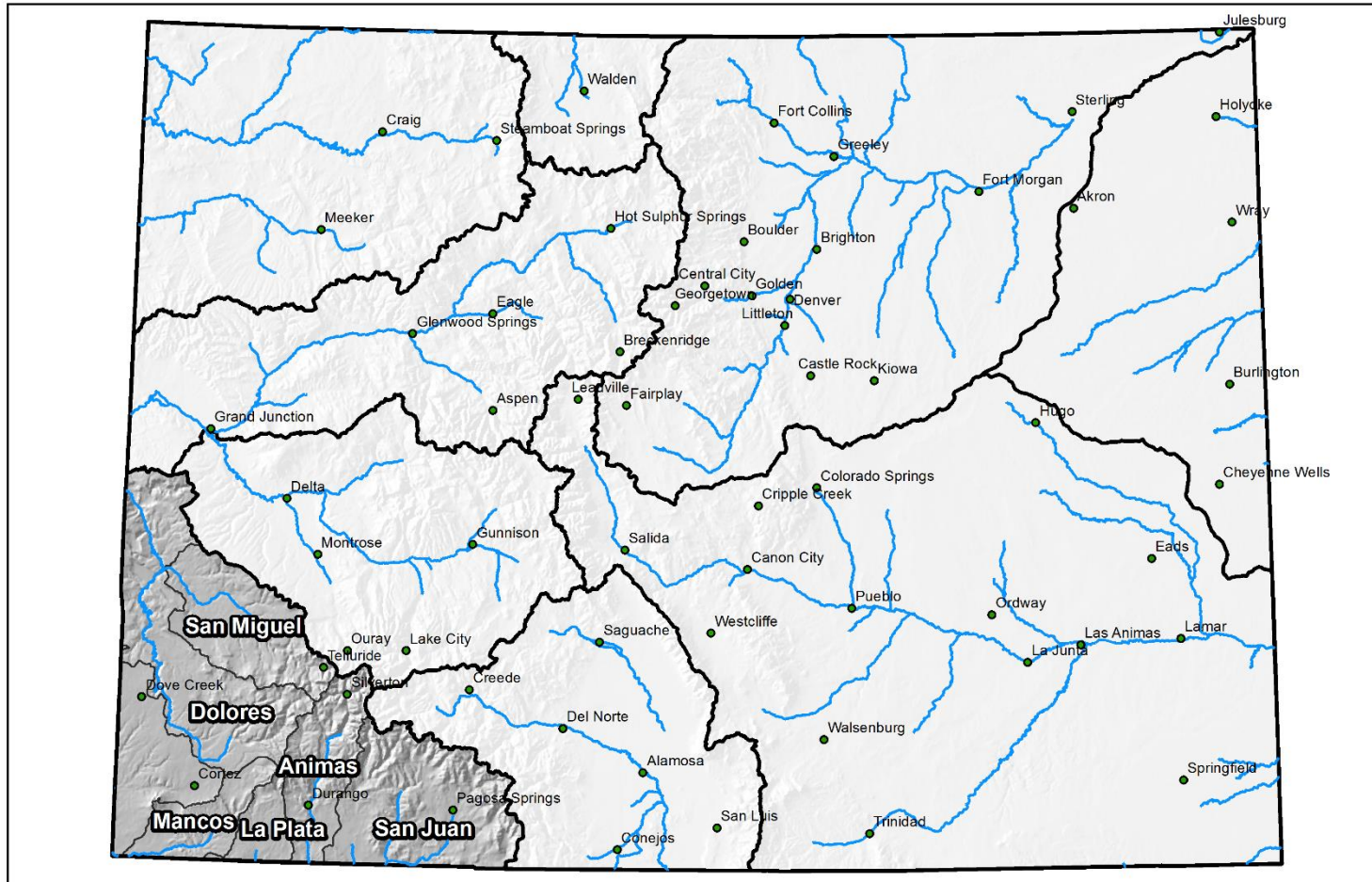


GUNNISON RIVER BASIN Reservoir Storage Departure from Average



Major Basin Summary

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



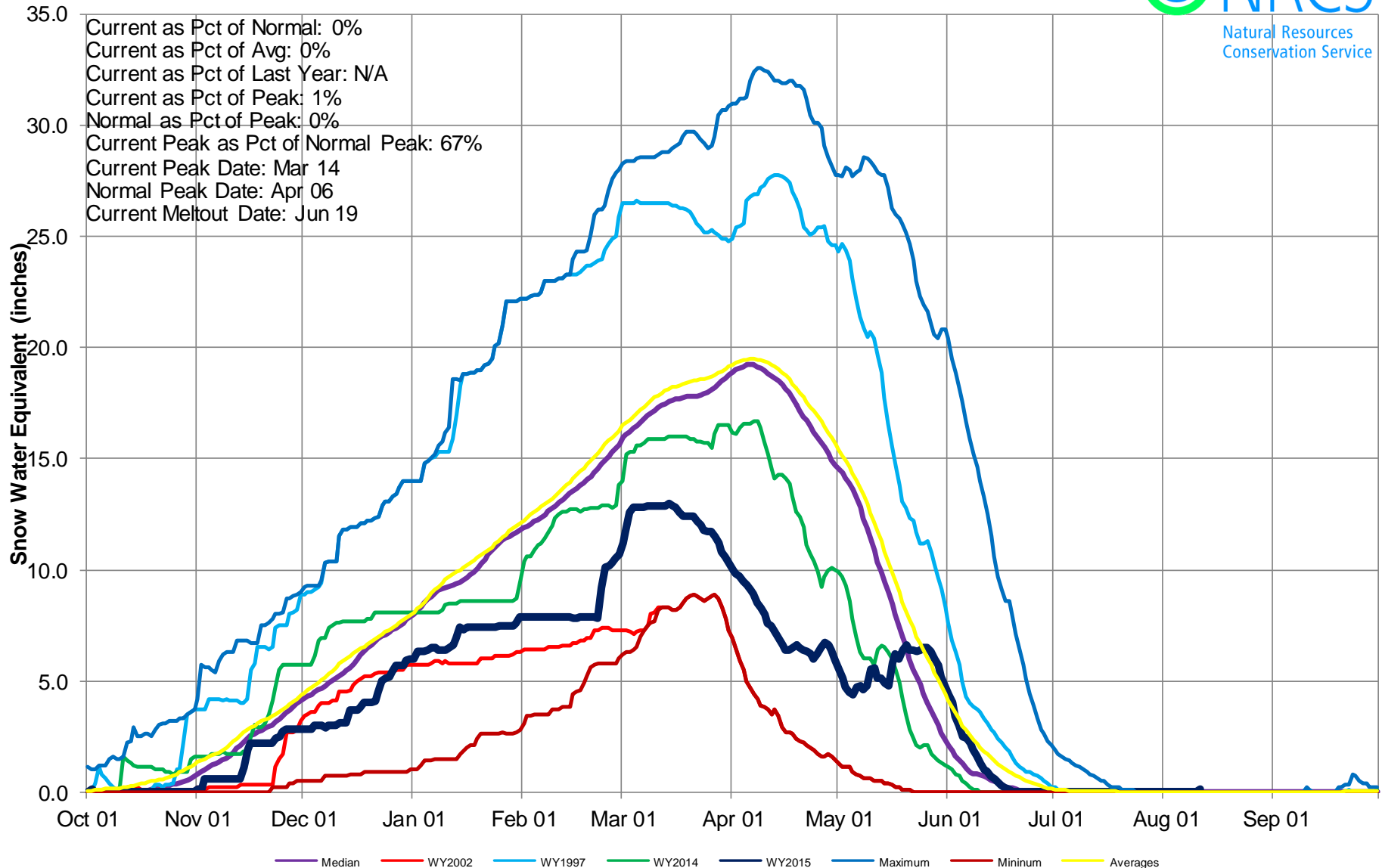


San Miguel, Dolores, Animas and San Juan River Basins High/Low Snowpack Summary

Based on Provisional SNOTEL data as of Aug 11, 2015



Current as Pct of Normal: 0%
Current as Pct of Avg: 0%
Current as Pct of Last Year: N/A
Current as Pct of Peak: 1%
Normal as Pct of Peak: 0%
Current Peak as Pct of Normal Peak: 67%
Current Peak Date: Mar 14
Normal Peak Date: Apr 06
Current Meltout Date: Jun 19

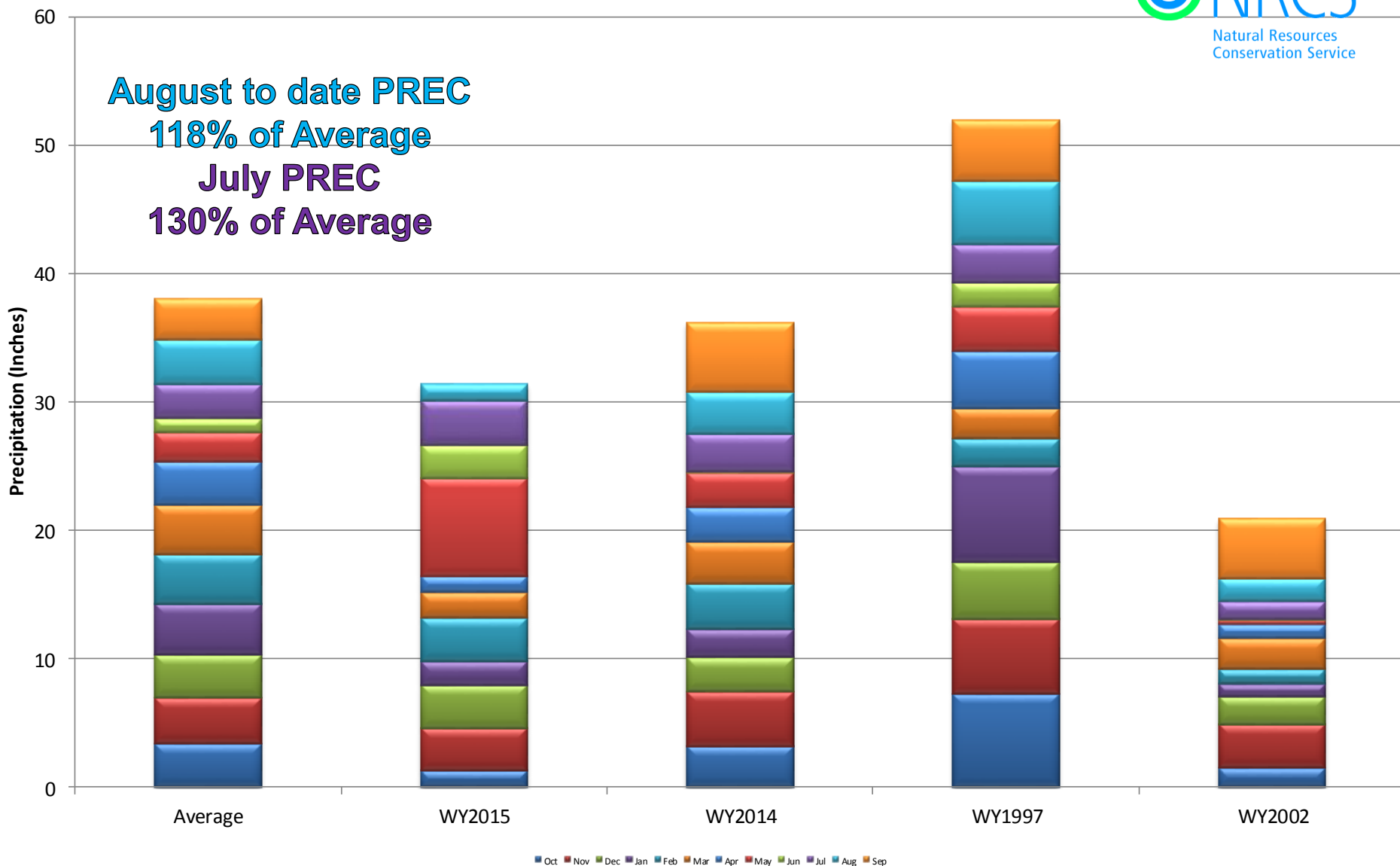




San Miguel, Dolores, Animas & San Juan River Basins High/Low Monthly Precipitation Summary



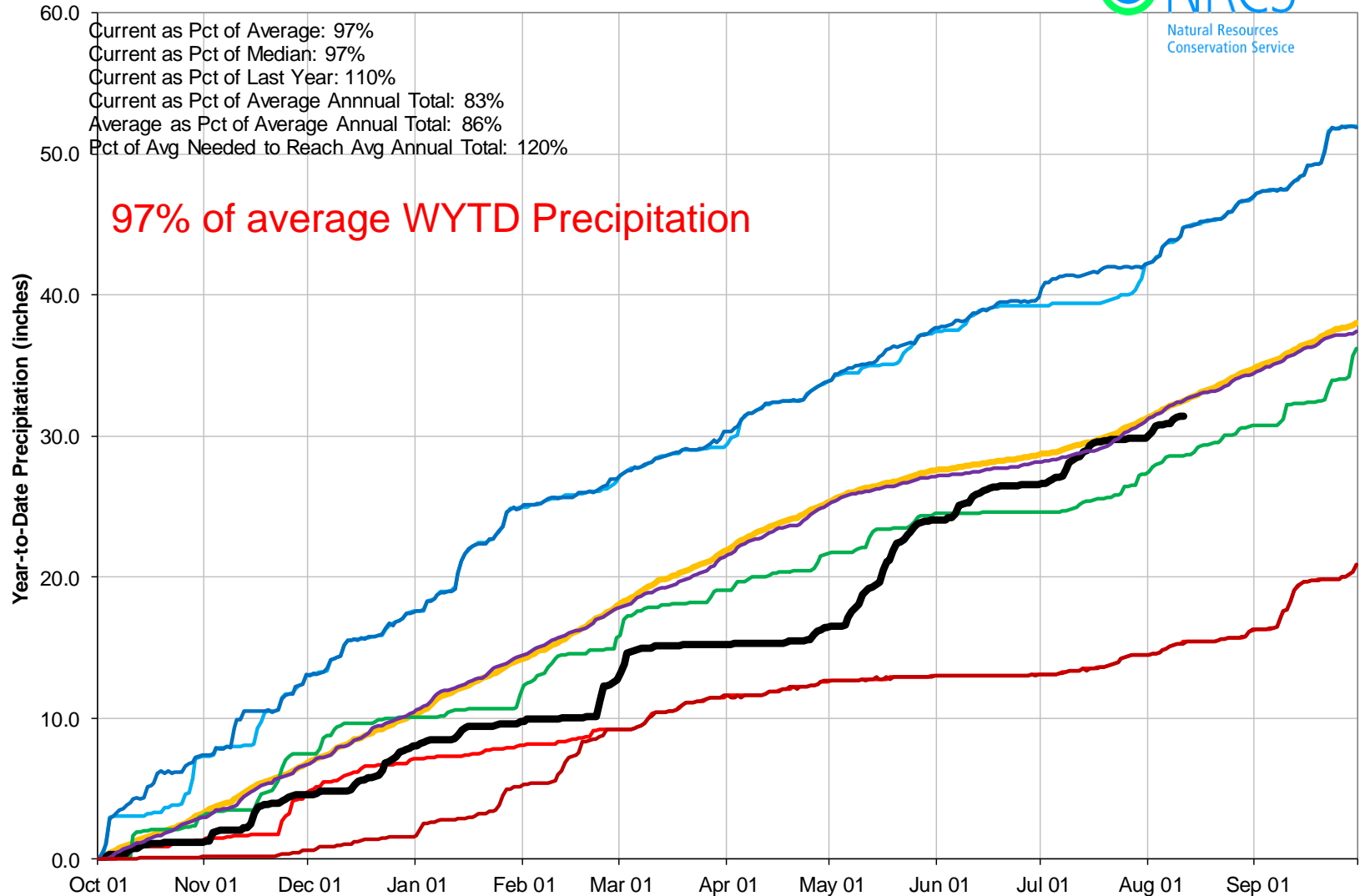
August to date PREC
118% of Average
July PREC
130% of Average





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

Based on Provisional SNOTEL data as of Aug 11, 2015



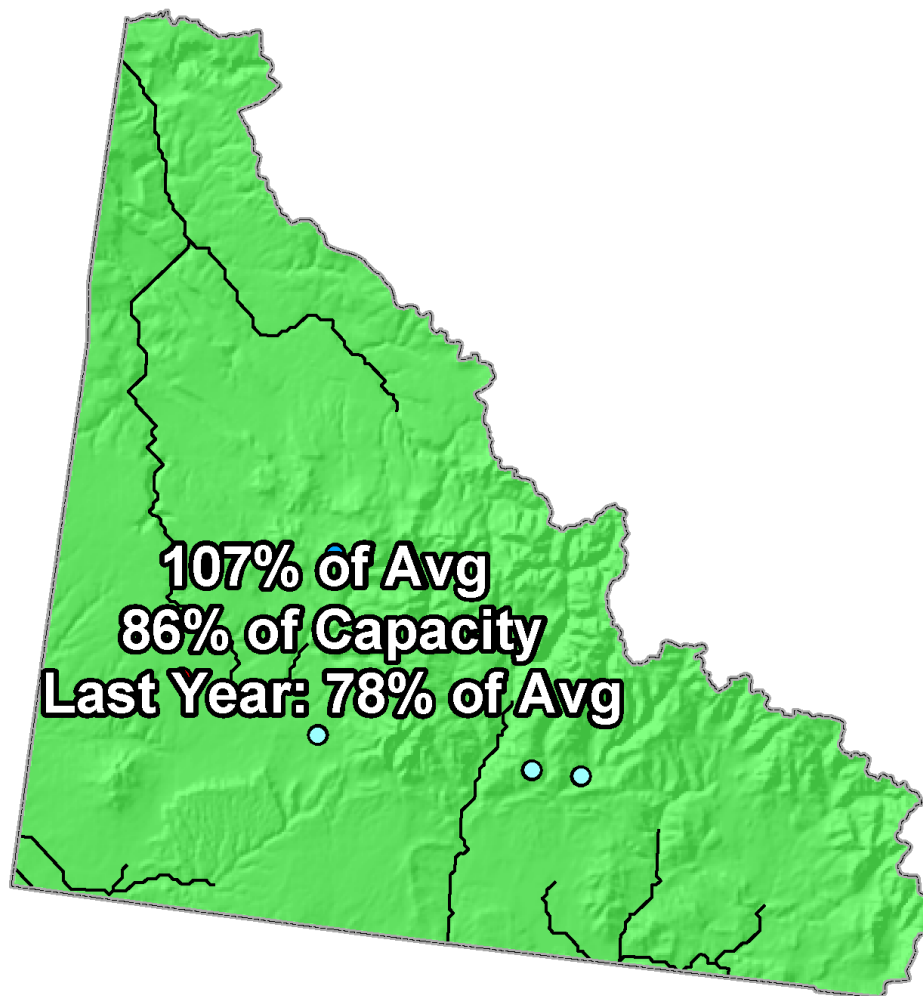
San Miguel, Dolores, Animas and San Juan River Basins Reservoir Storage Map



Percent of Average



*Provisional Data
Subject to Revision*

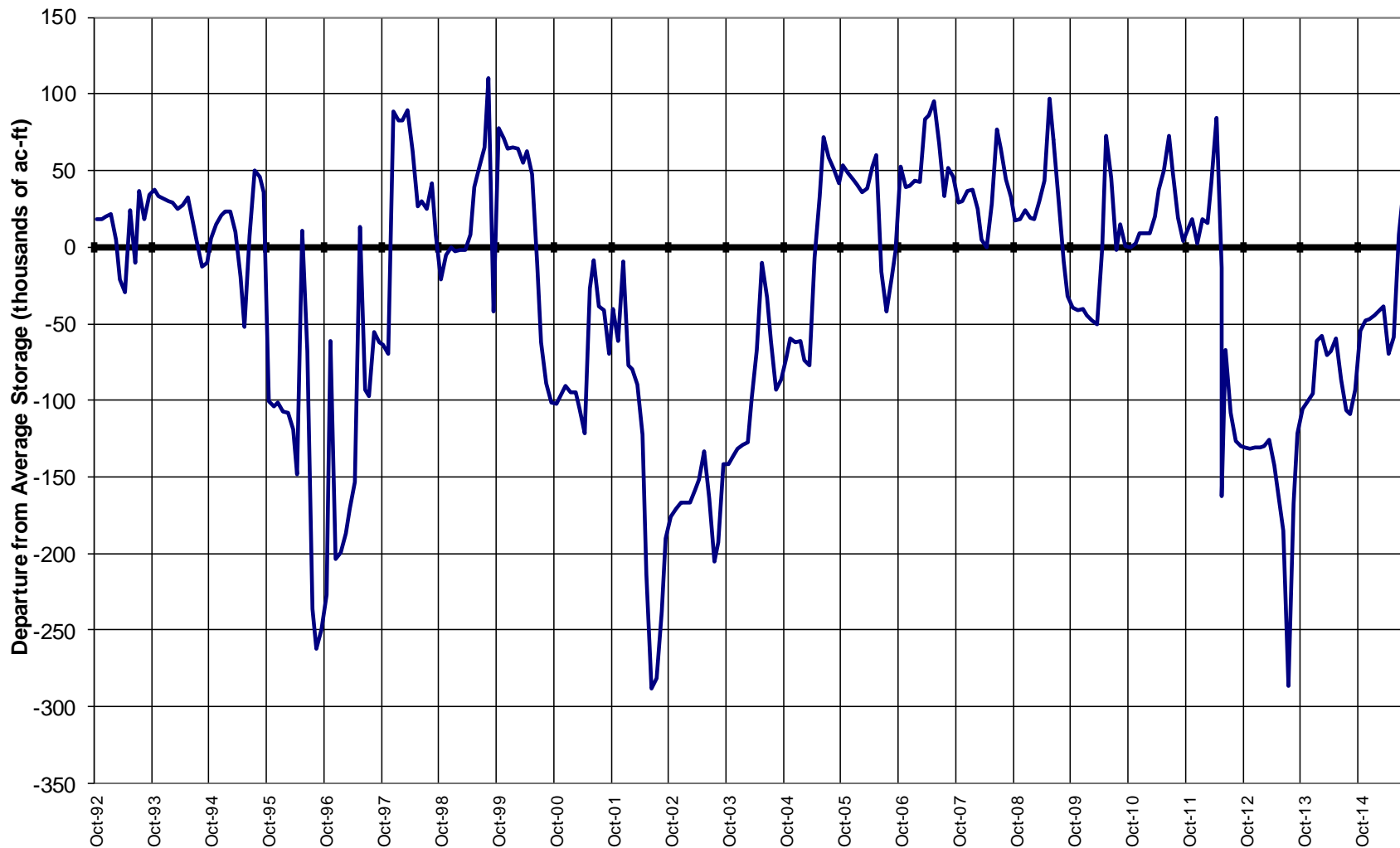


End of July 2015



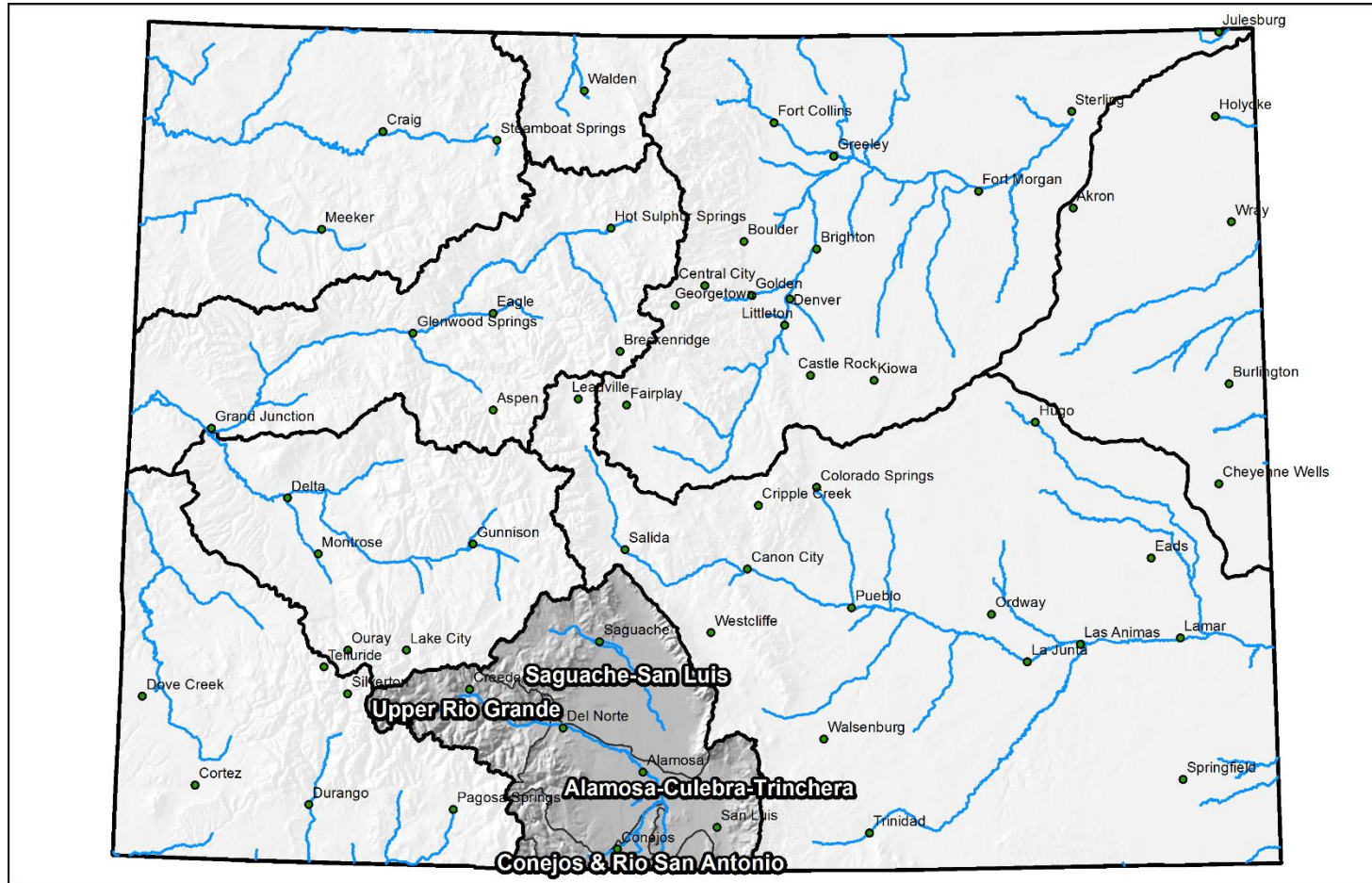
SAN MIGUEL, DOLORES, ANIMAS AND SAN JUAN RIVER BASINS

Reservoir Storage
Departure from Average



Major Basin Summary

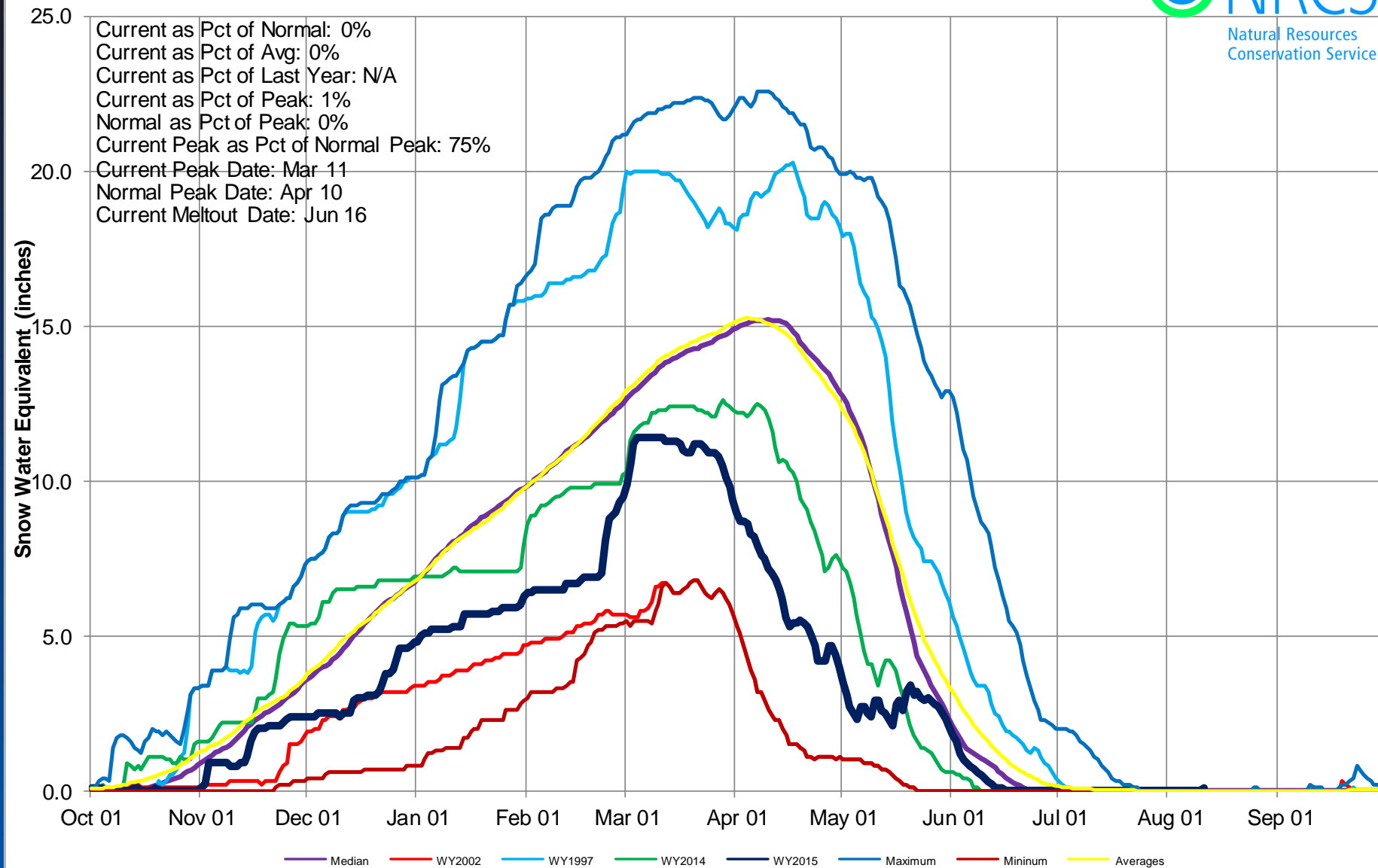
Upper Rio Grande River Basin





Upper Rio Grande Basin High/Low Snowpack Summary

Based on Provisional SNOTEL data as of Aug 11, 2015





Upper Rio Grande Basin High/Low Monthly Precipitation Summary

Based on Provisional SNOTEL data as of Aug 11, 2015

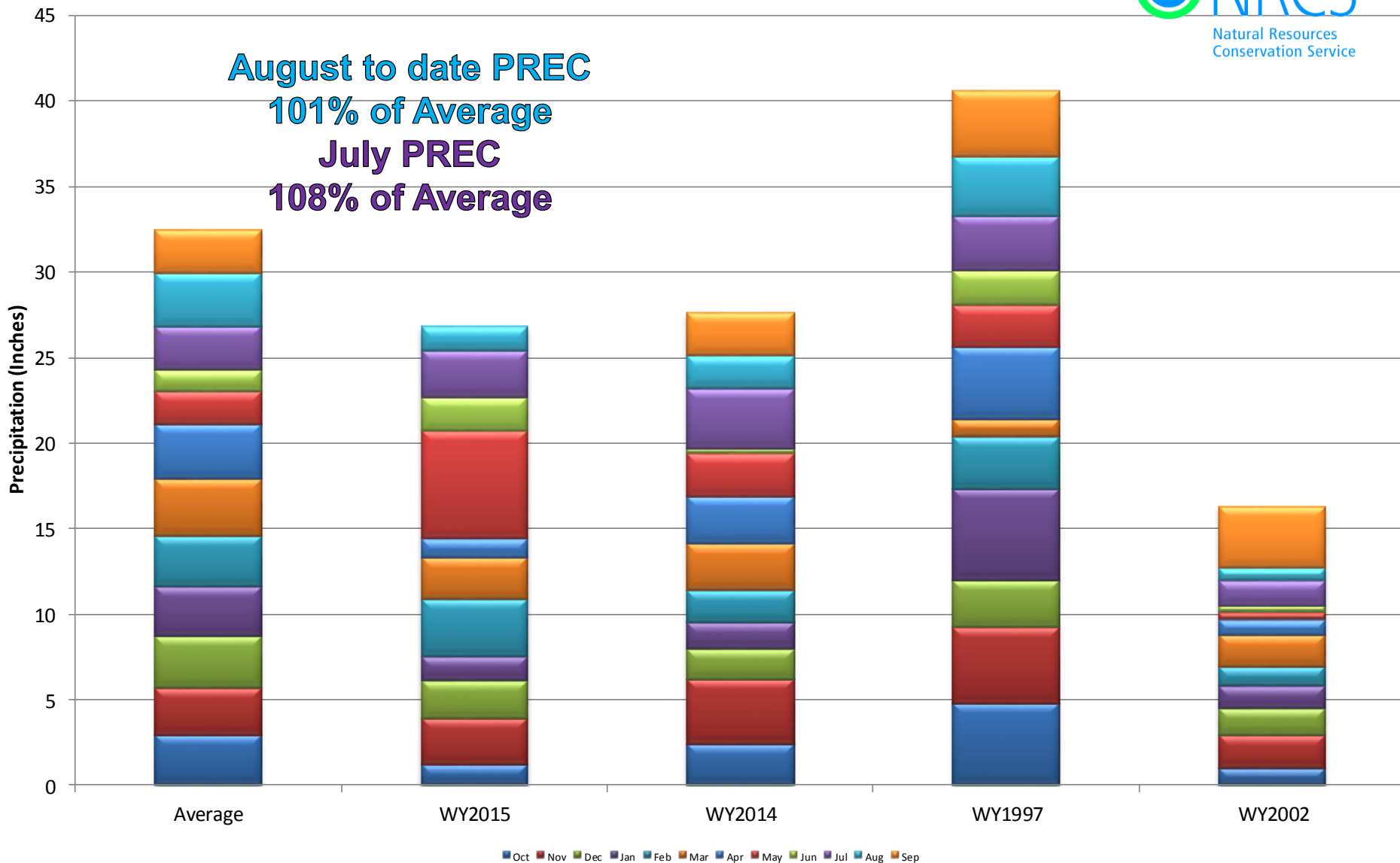


August to date PREC

101% of Average

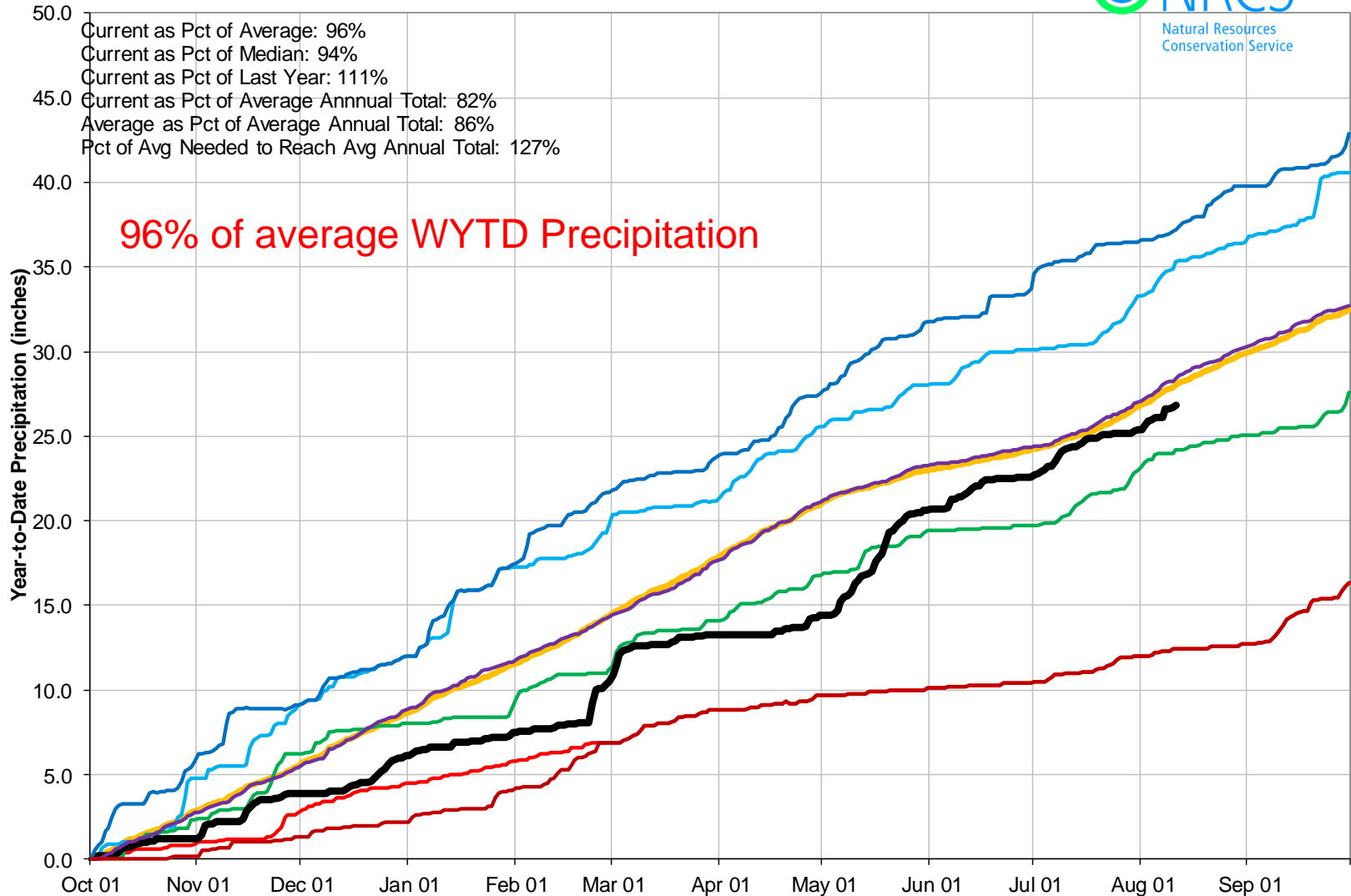
July PREC

108% of Average



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

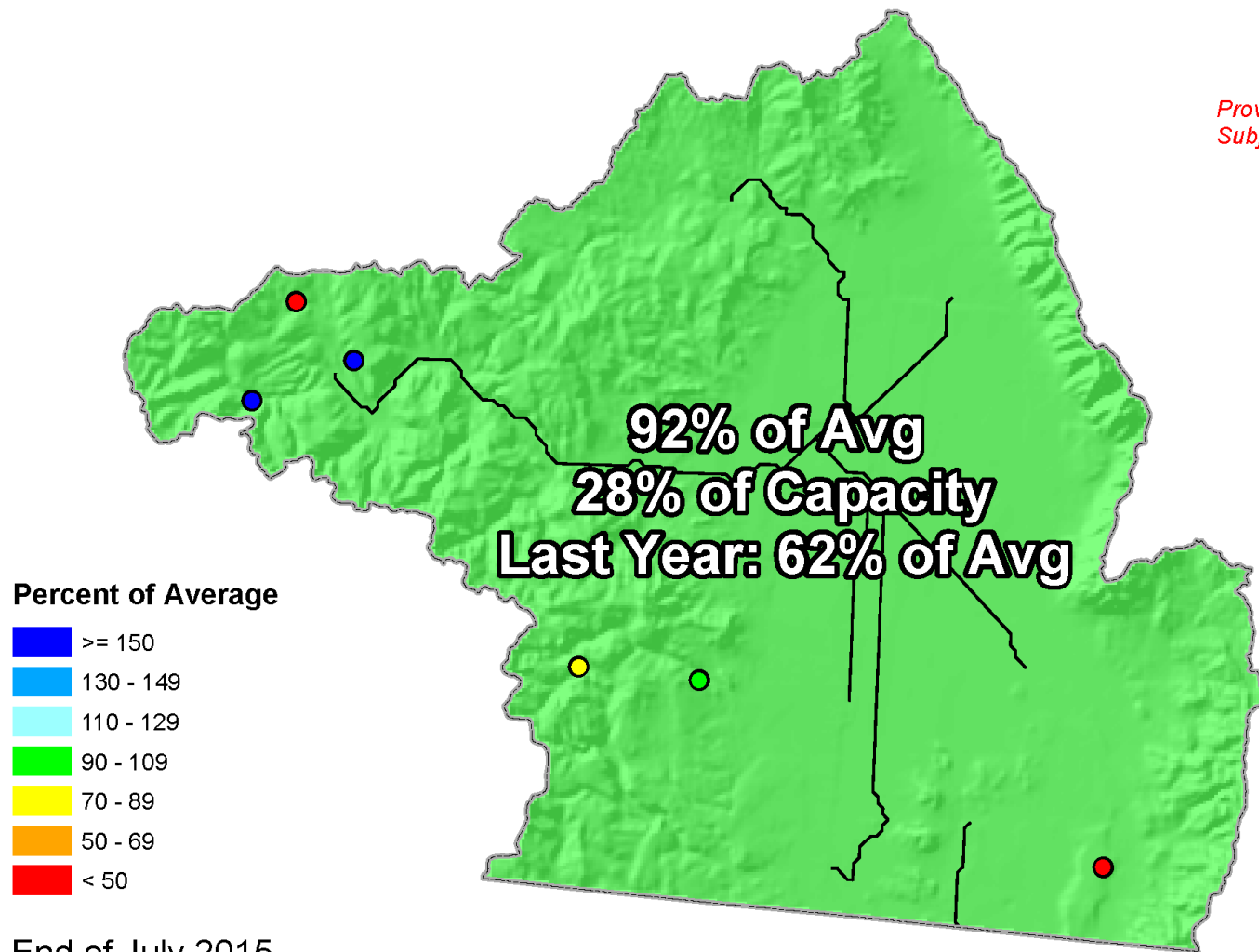
Based on Provisional SNOTEL data as of Aug 11, 2015



Upper Rio Grande Basin Reservoir Storage Map



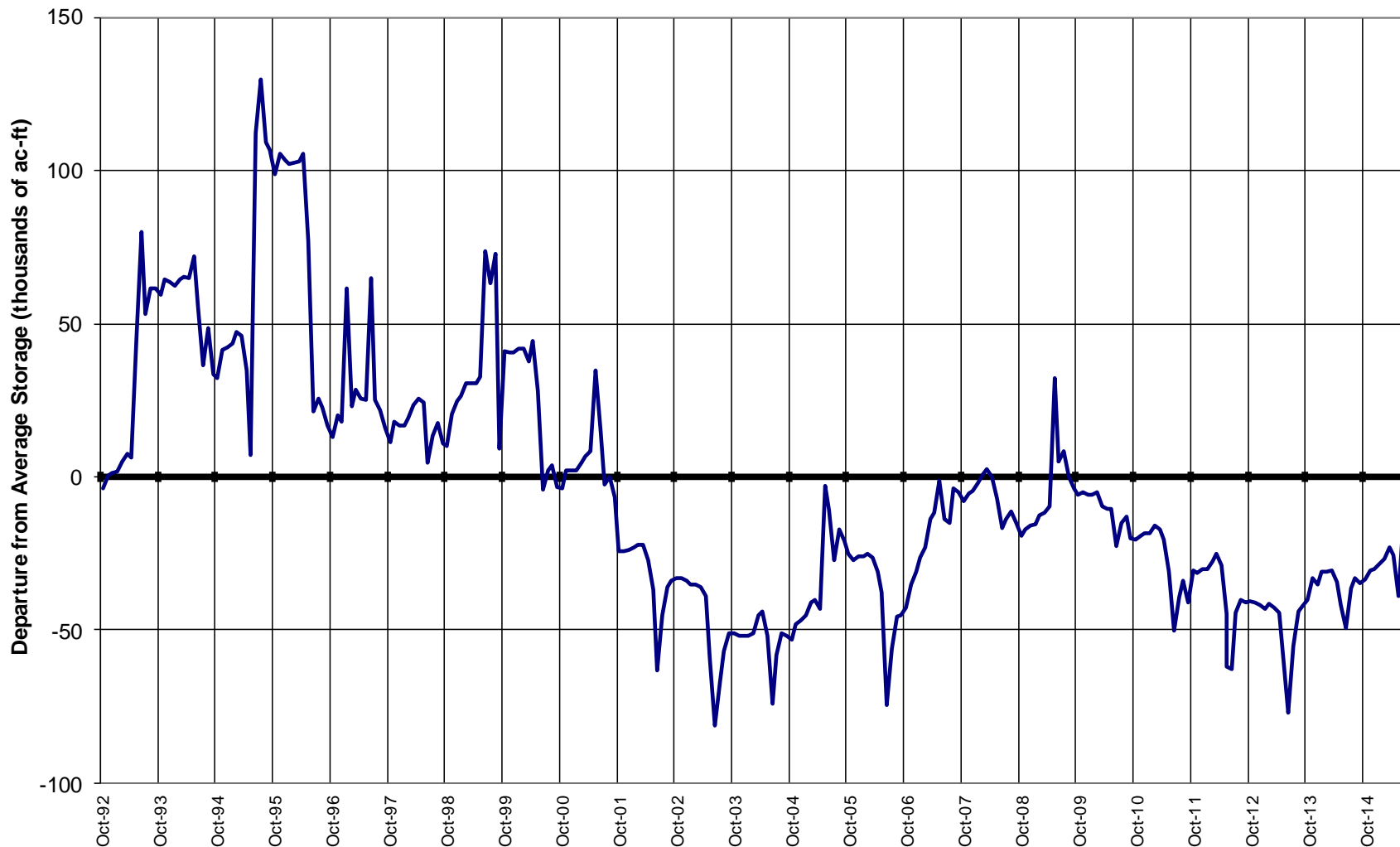
*Provisional Data
Subject to Revision*



End of July 2015

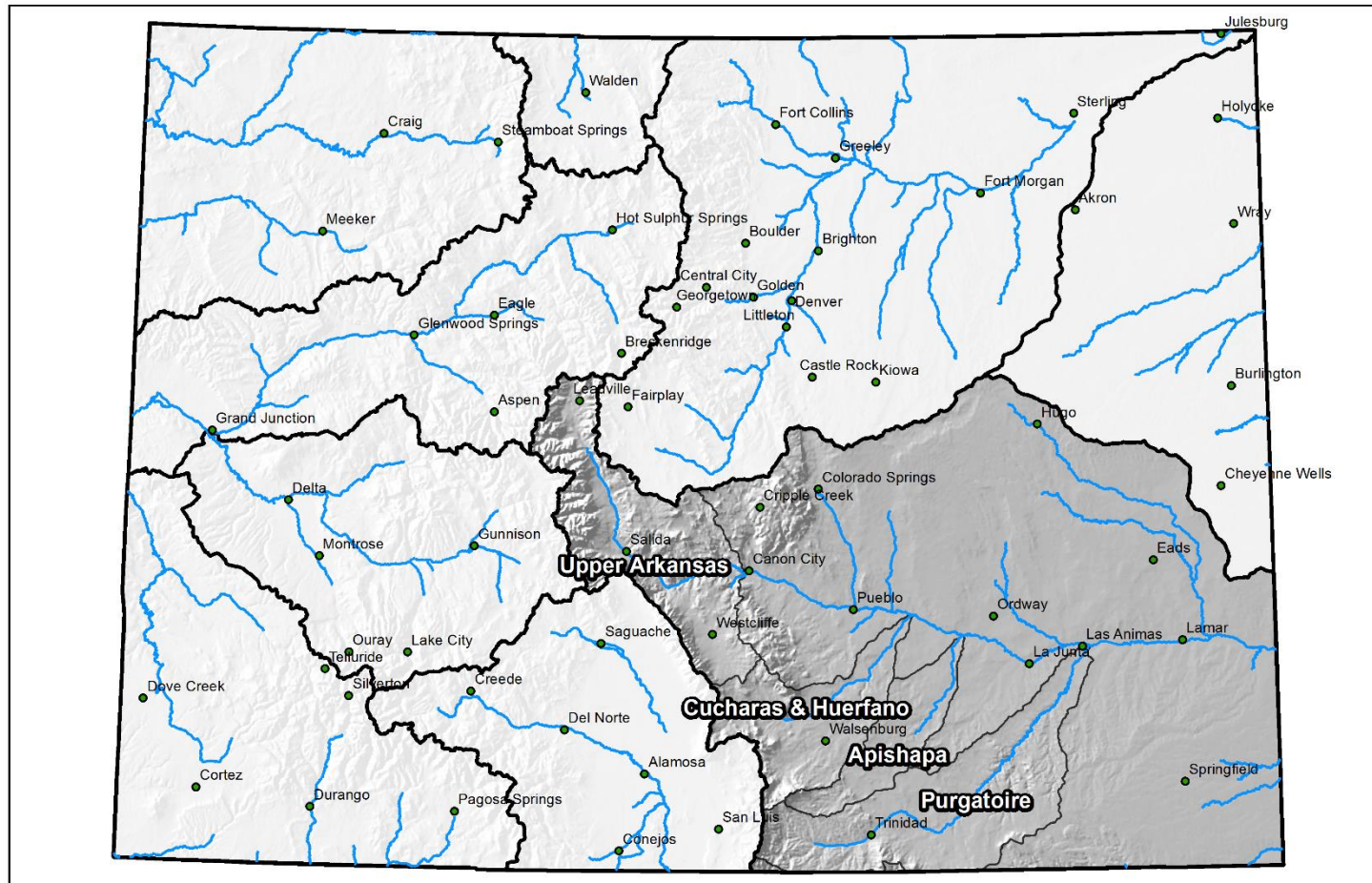


UPPER RIO GRANDE BASIN Reservoir Storage Departure from Average



Major Basin Summary

Arkansas River Basin

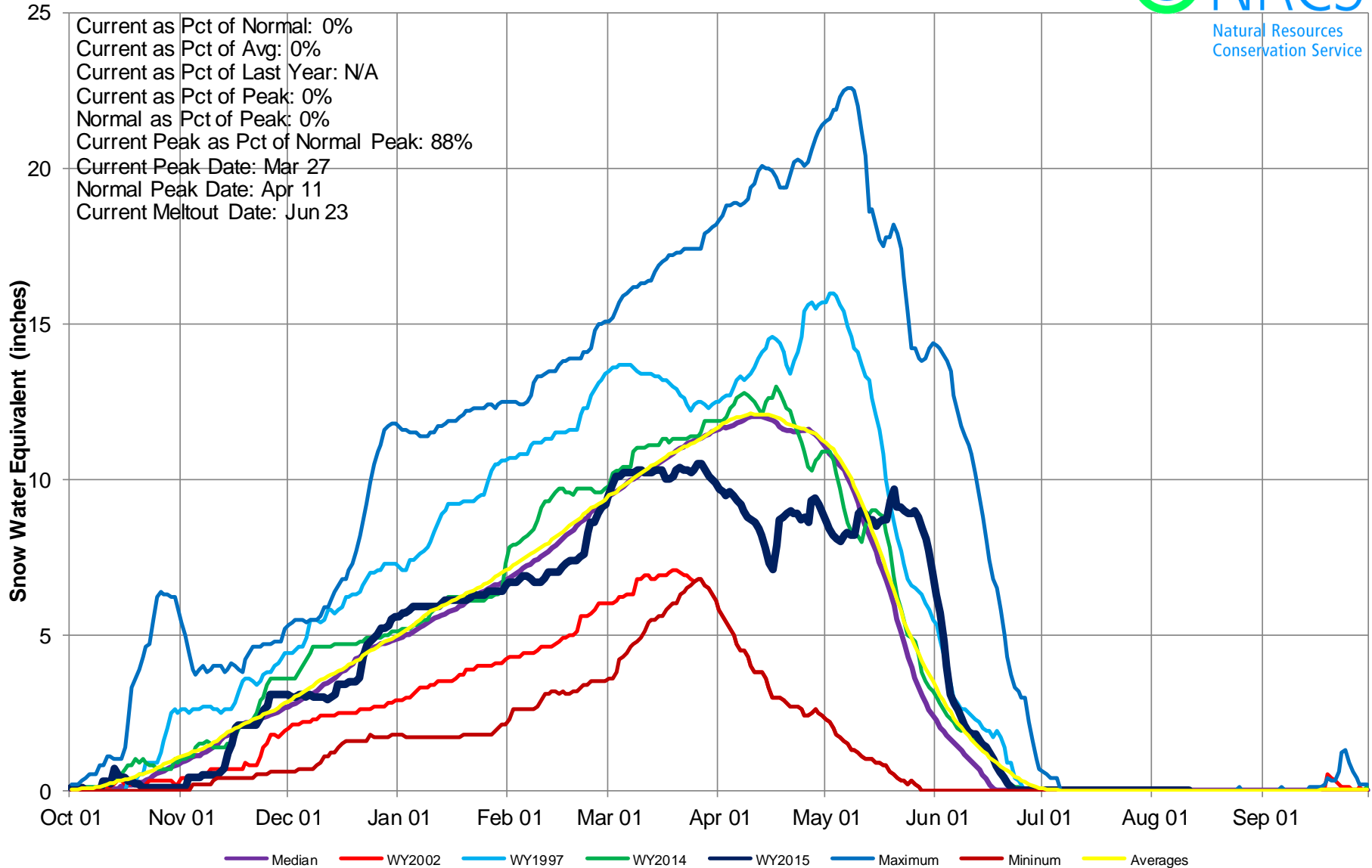


0 25 50 100 150 200 Miles



Arkansas River Basin High/Low Snowpack Summary

Based on Provisional SNOTEL data as of Aug 11, 2015



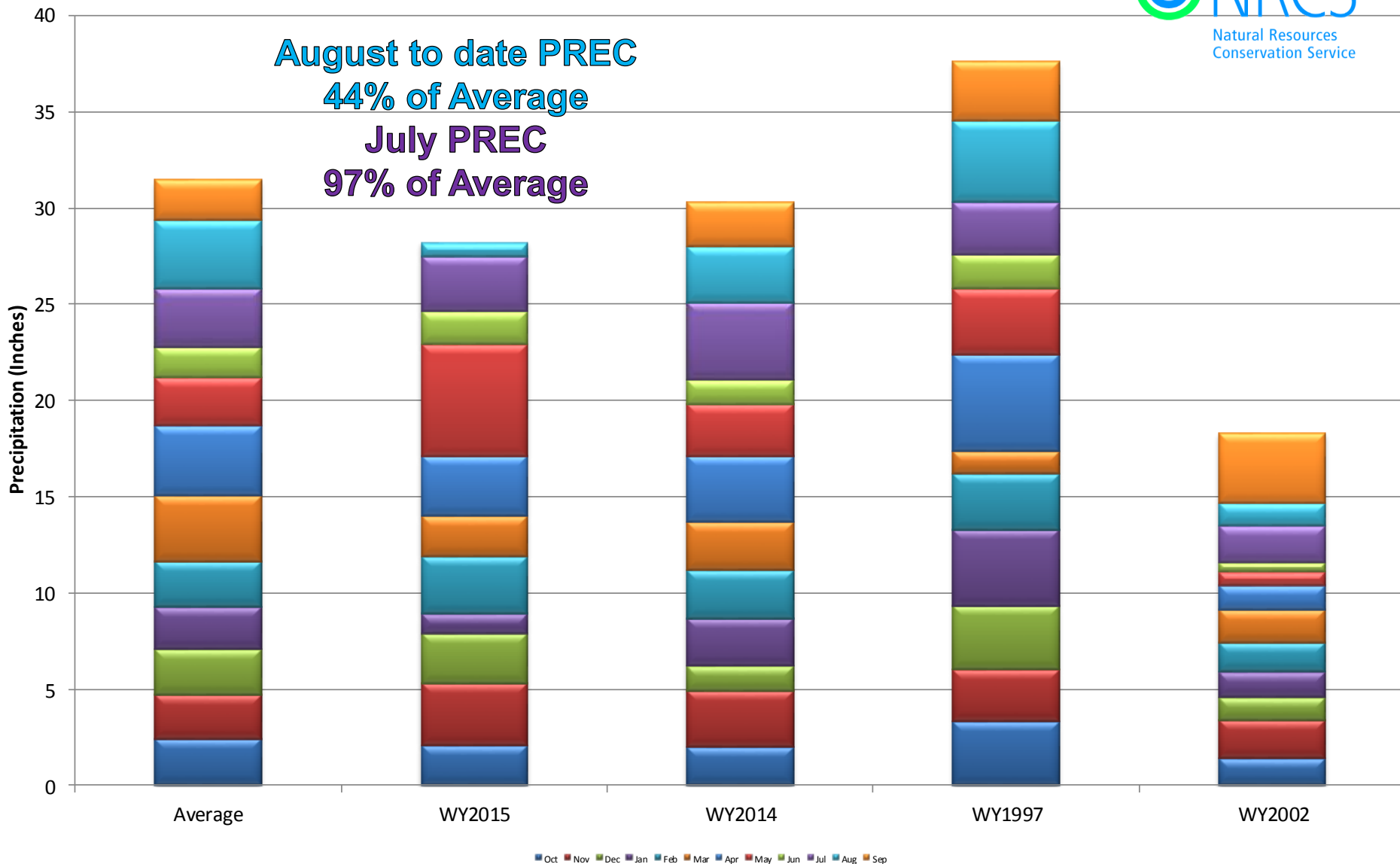


Arkansas River Basin High/Low Monthly Precipitation Summary

Based on Provisional SNOTEL data as of Aug 11, 2015

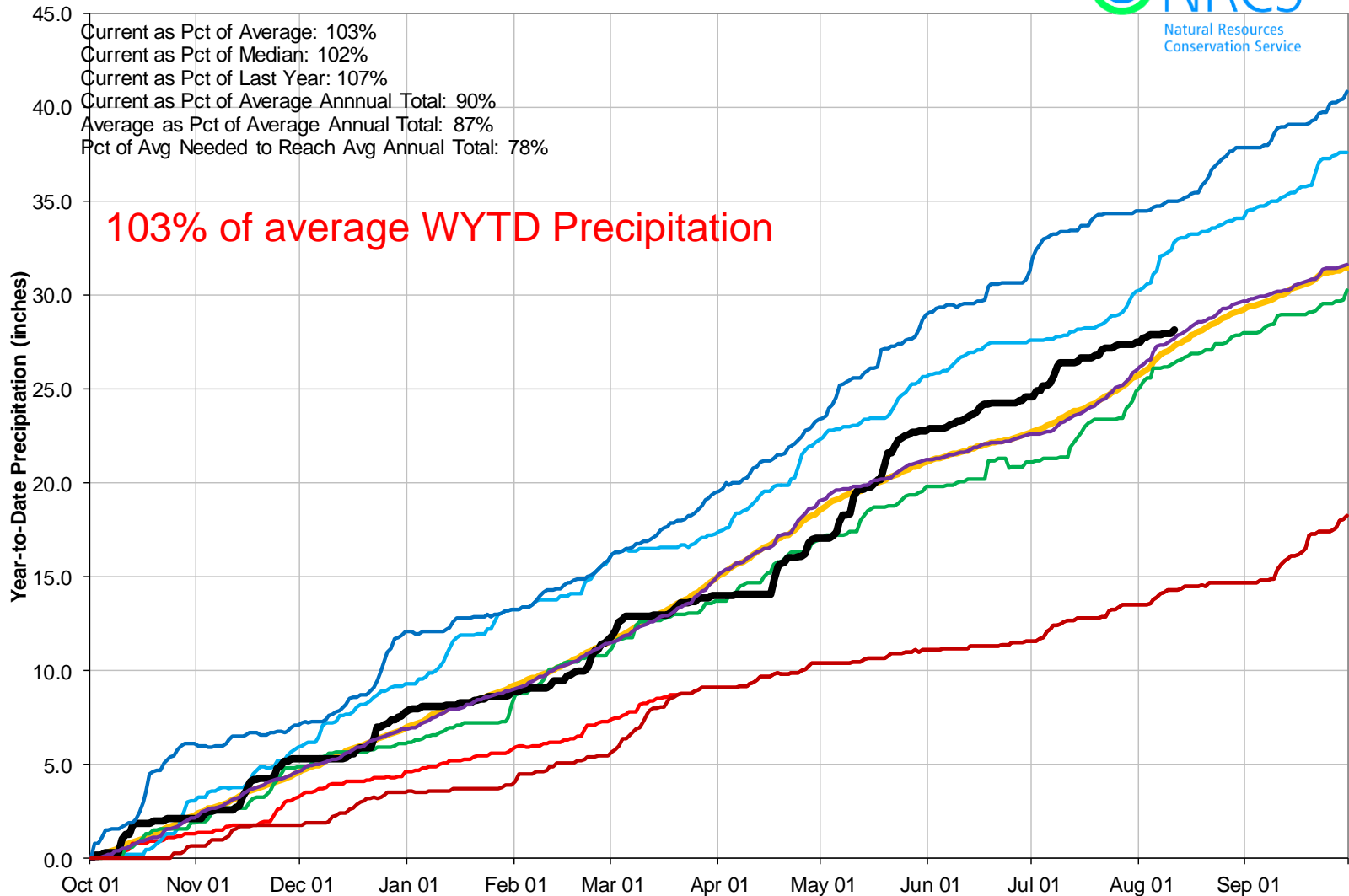


August to date PREC
44% of Average
July PREC
97% of Average



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

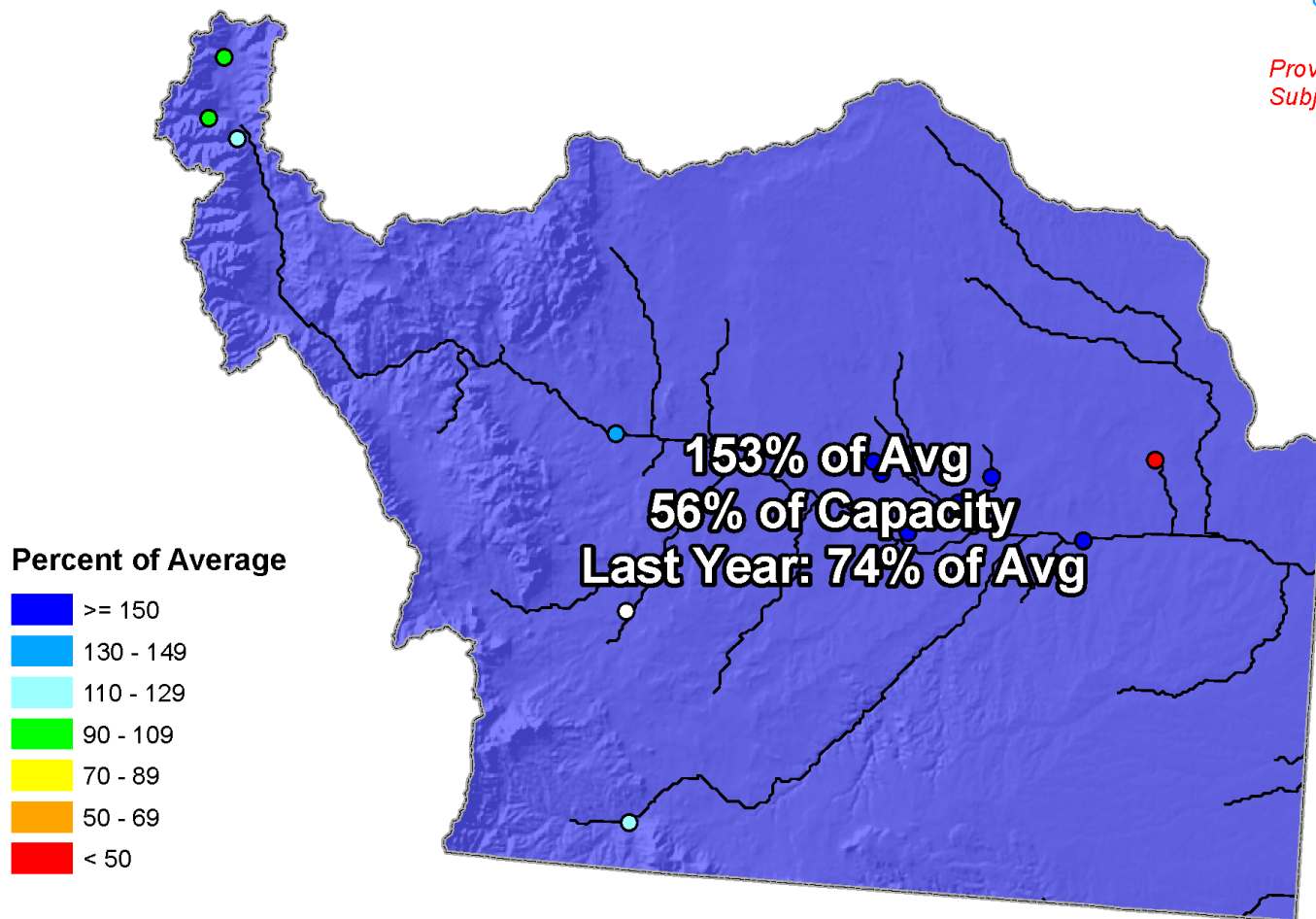
Based on Provisional SNOTEL data as of Aug 11, 2015



Arkansas River Basin Reservoir Storage Map

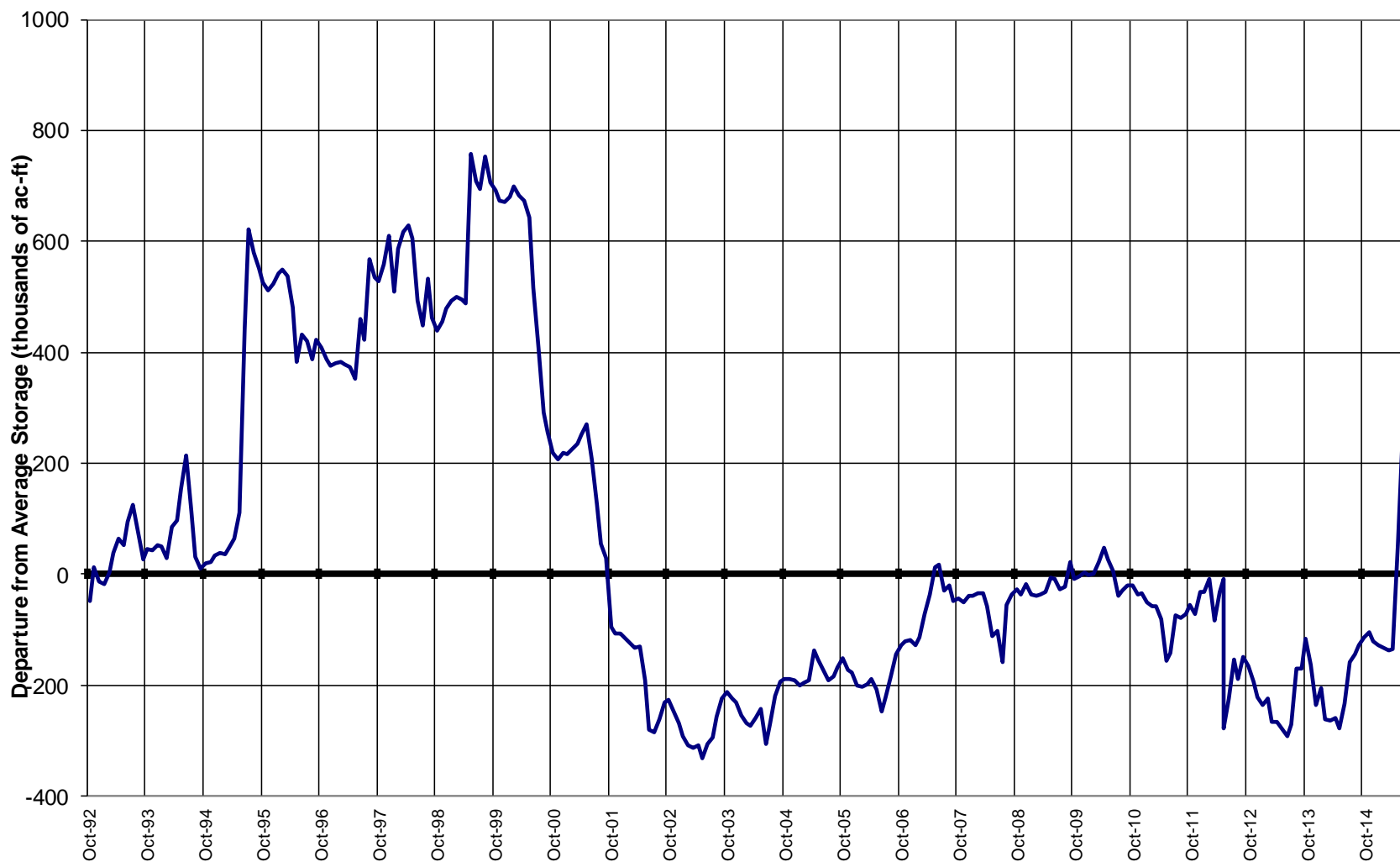


*Provisional Data
Subject to Revision*



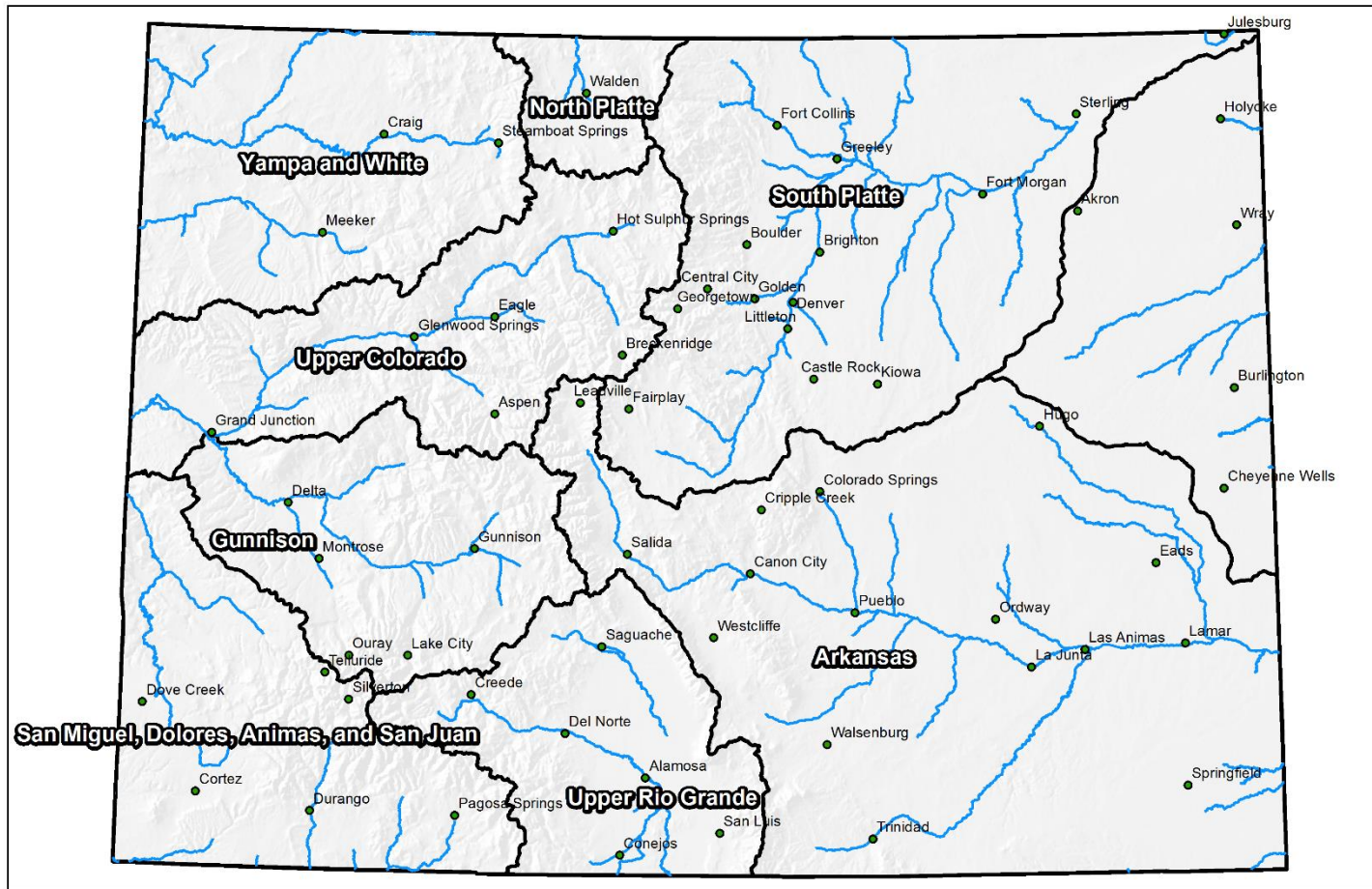
End of July 2015

ARKANSAS RIVER BASIN Reservoir Storage Departure from Average



Colorado Statewide Summary

Colorado Major Basins

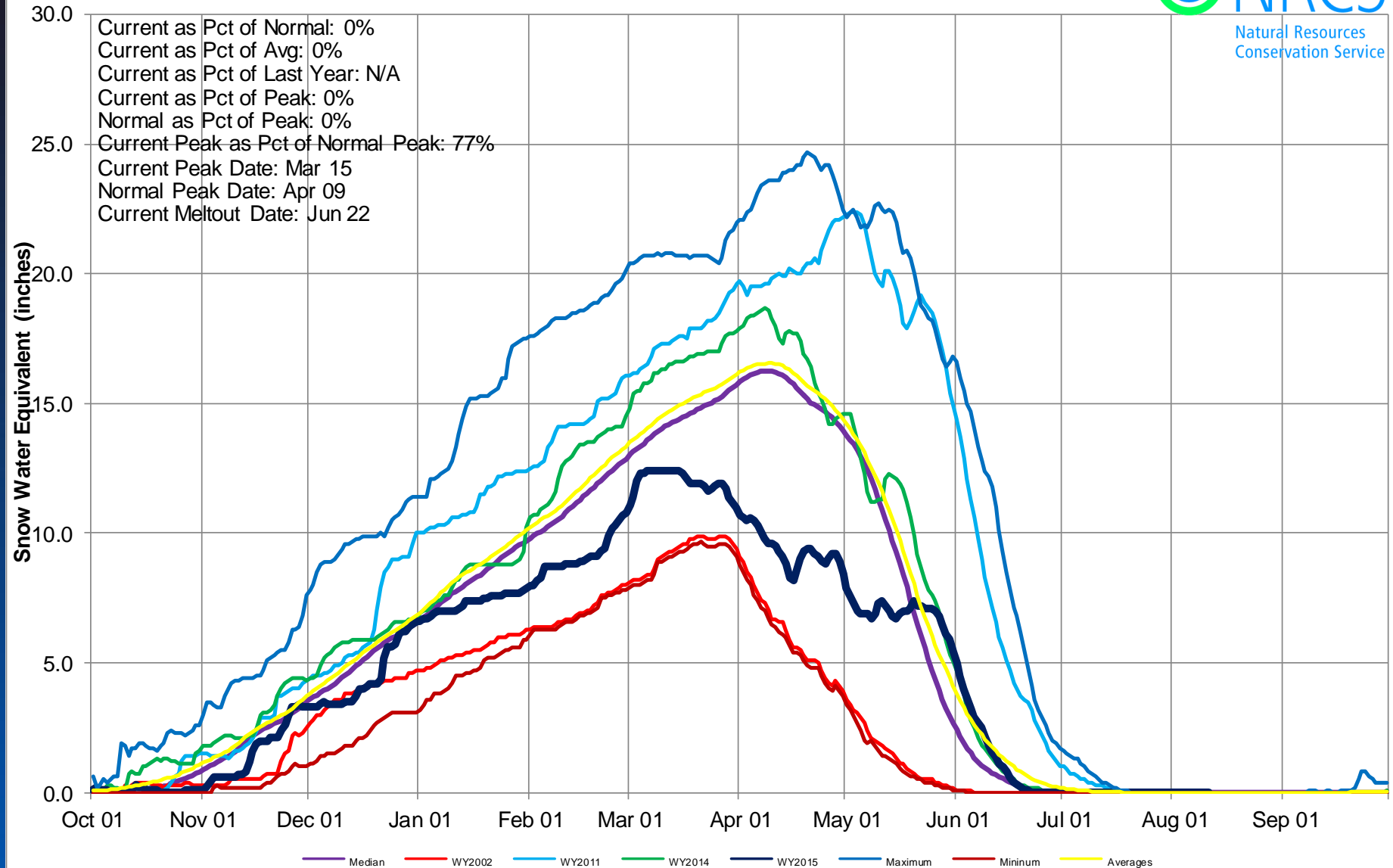


0 25 50 100 150 200 Miles



Colorado Statewide High/Low Snowpack Summary

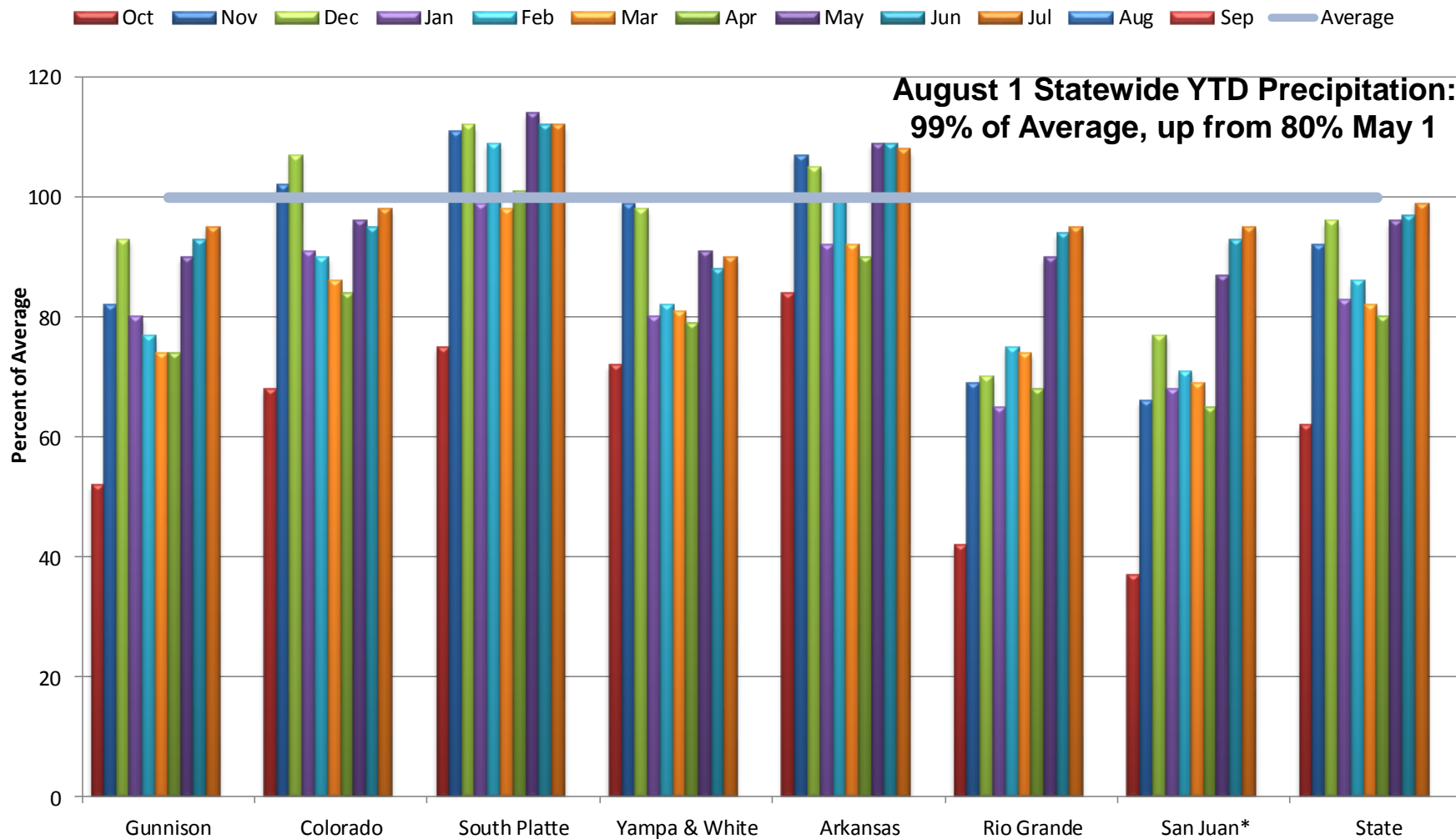
Based on Provisional SNOTEL data as of Aug 11, 2015





Colorado Year-to-Date Precipitation Summary for WY2015

USDA Natural Resources Conservation Service



*Includes Animas, Dolores, San Miguel Basins

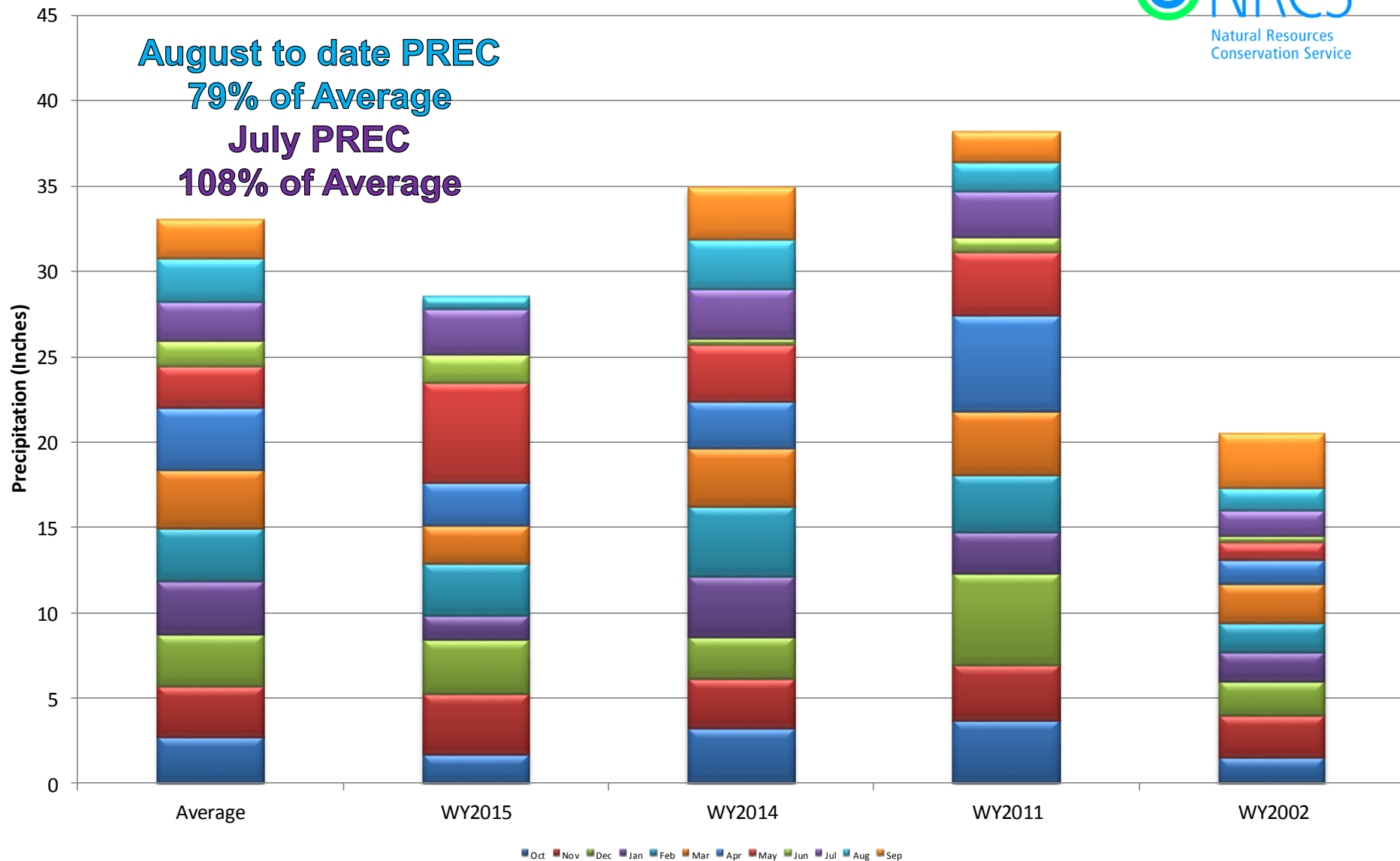


United States Department of Agriculture

Colorado Snow Surveys

Colorado Statewide High/Low Monthly Precipitation Summary

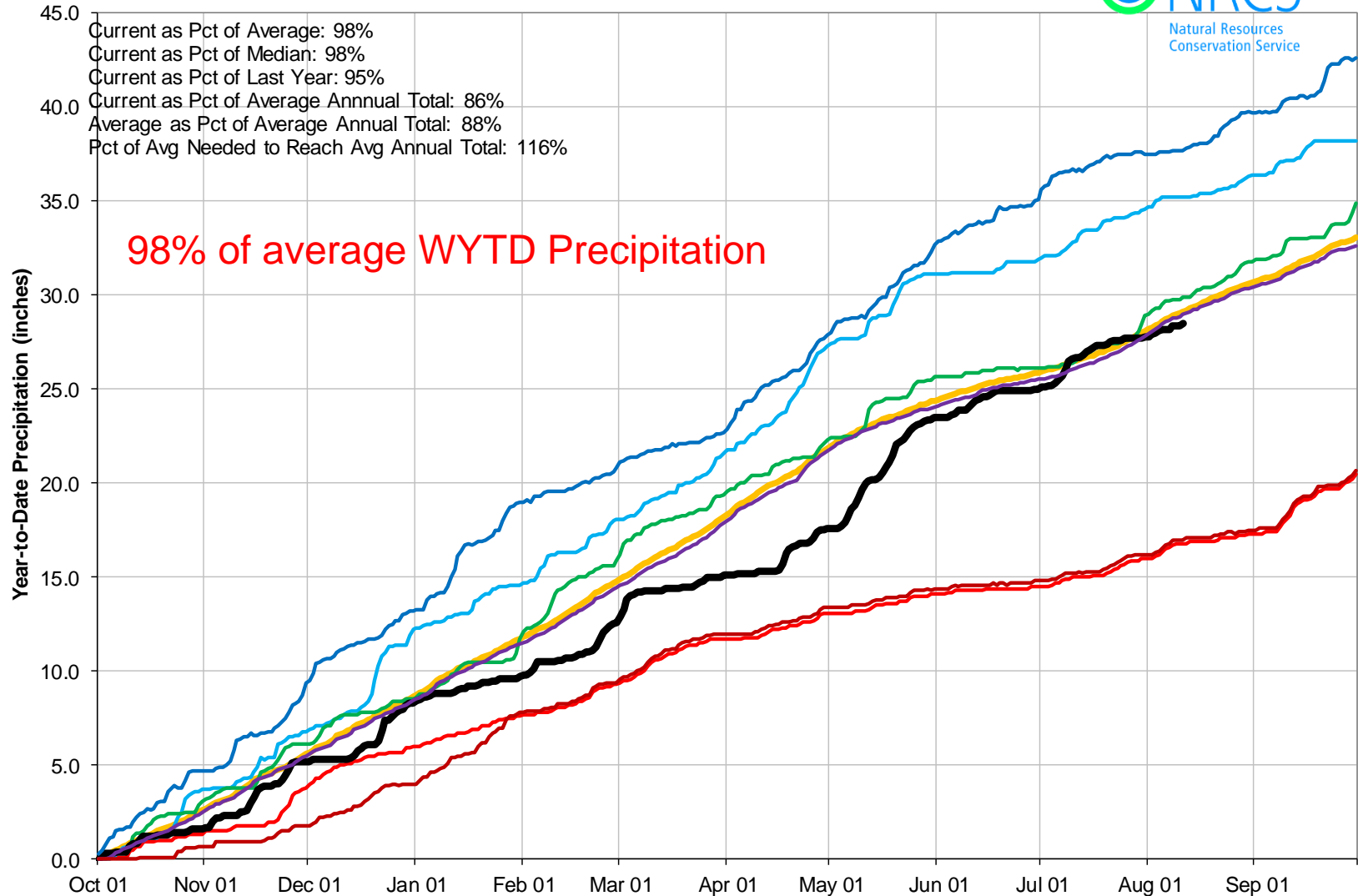
Based on Provisional SNOTEL data as of Aug 11, 2015





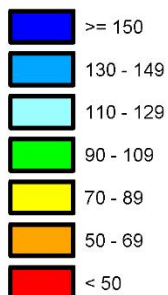
Colorado Statewide High/Low Year-to-Date Precipitation Summary

Based on Provisional SNOTEL data as of Aug 11, 2015

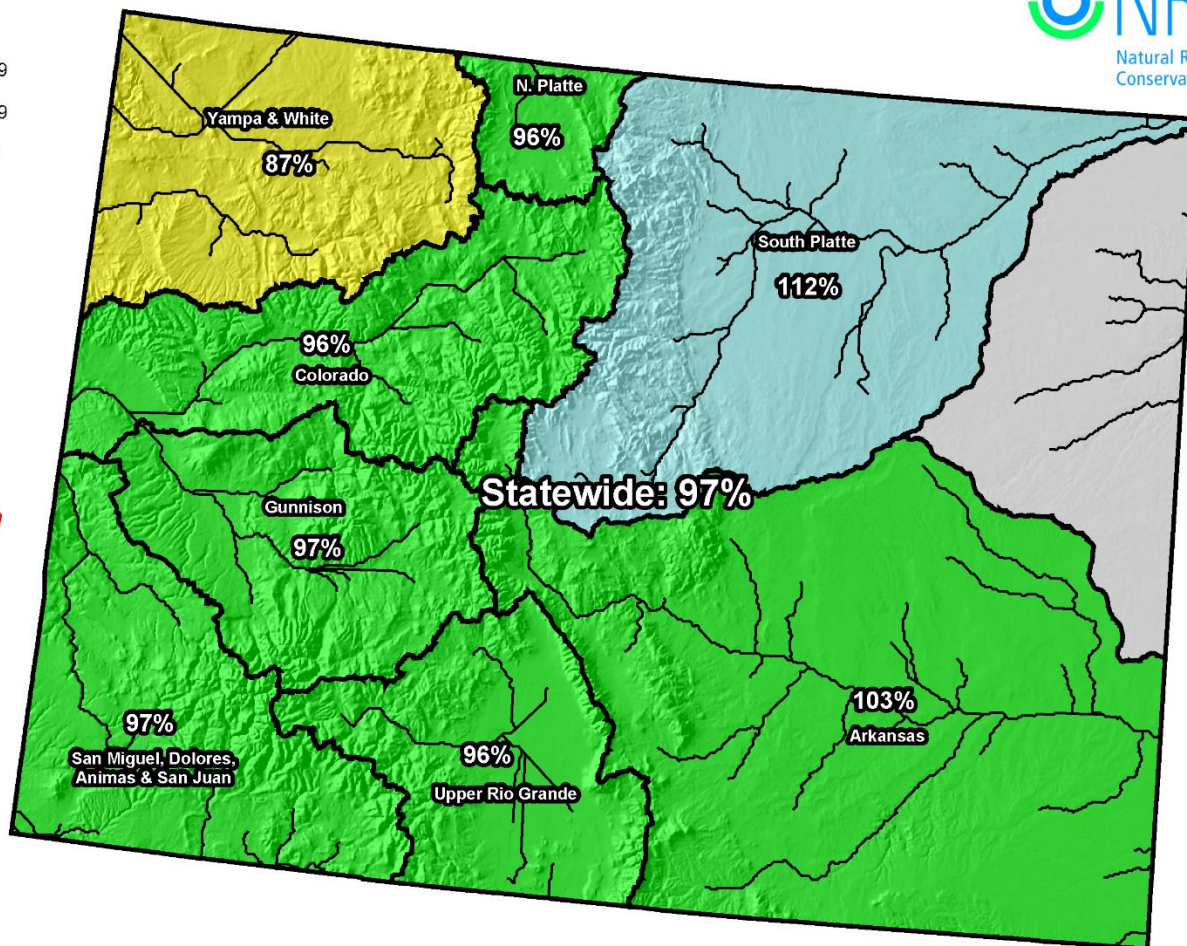


Colorado SNOTEL Water Year-to-Date Precipitation Update Map

Percent of Average



*Provisional Data
Subject to Revision*



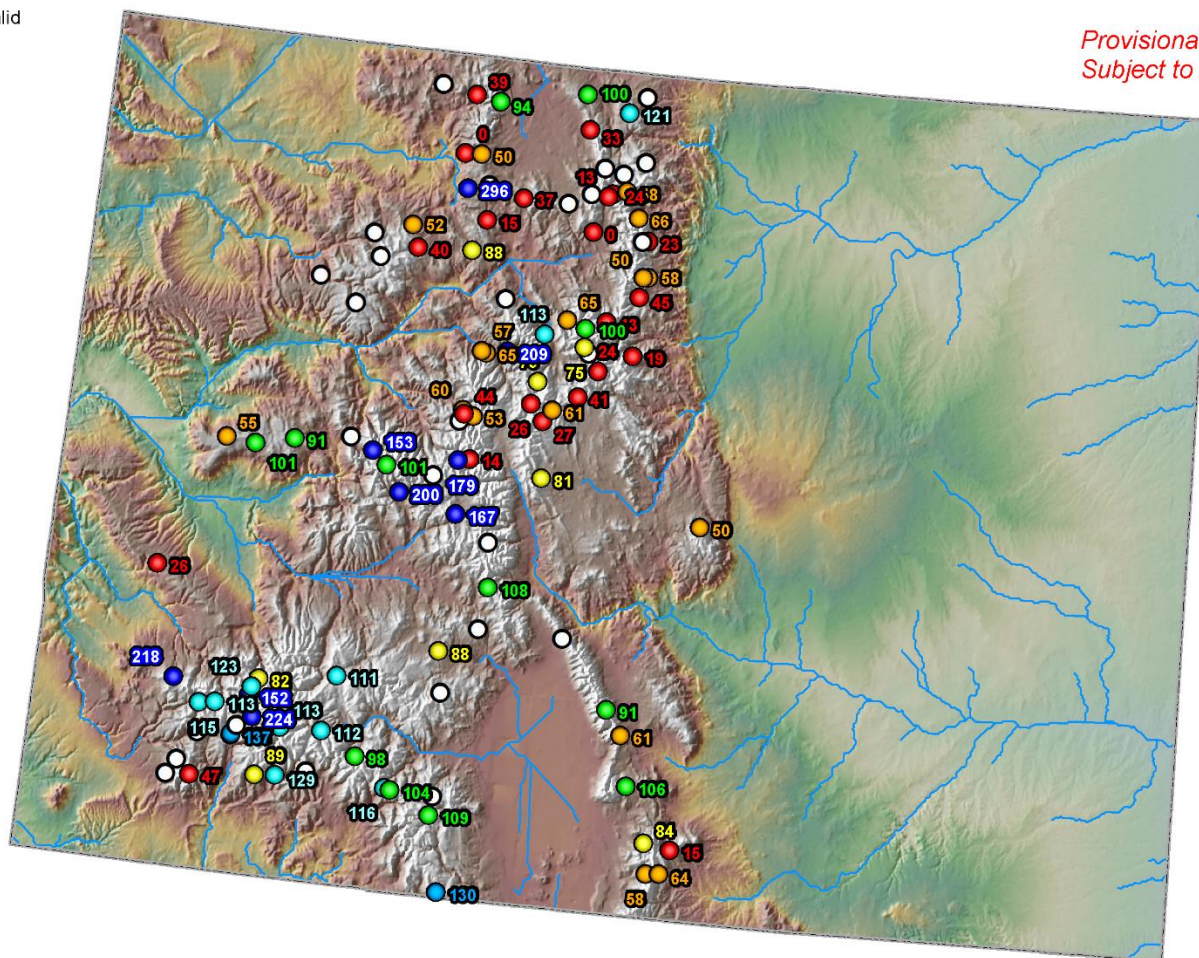
Current as of Aug 11, 2015

Colorado SNOTEL Month-to-Date Precipitation

Percent of Average

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

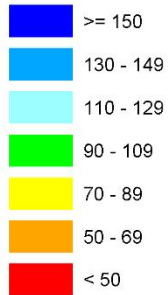
*Provisional Data
Subject to Revision*



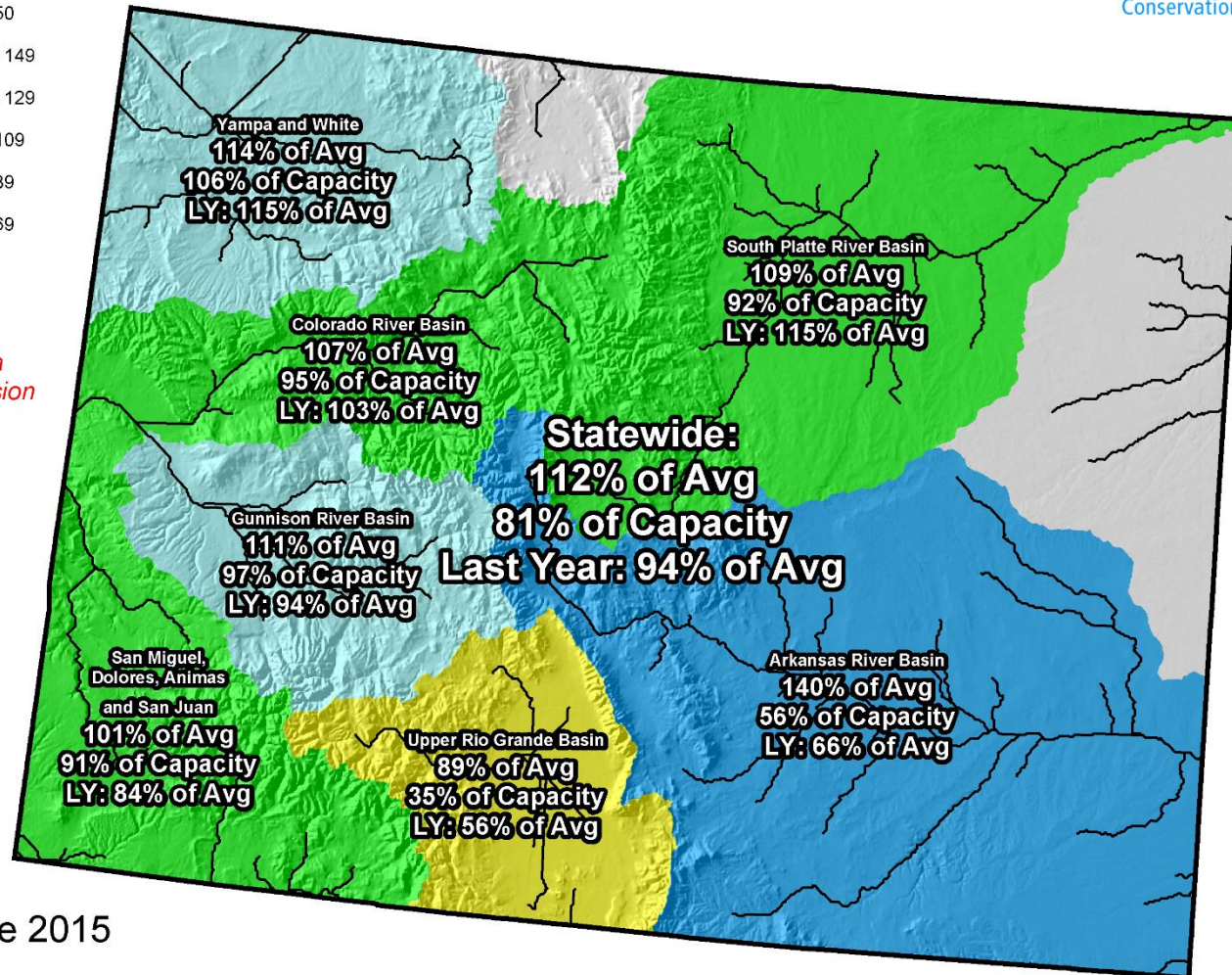
Current as of Aug 12, 2015

Colorado Reservoir Storage Map

Percent of Average



*Provisional Data
Subject to Revision*



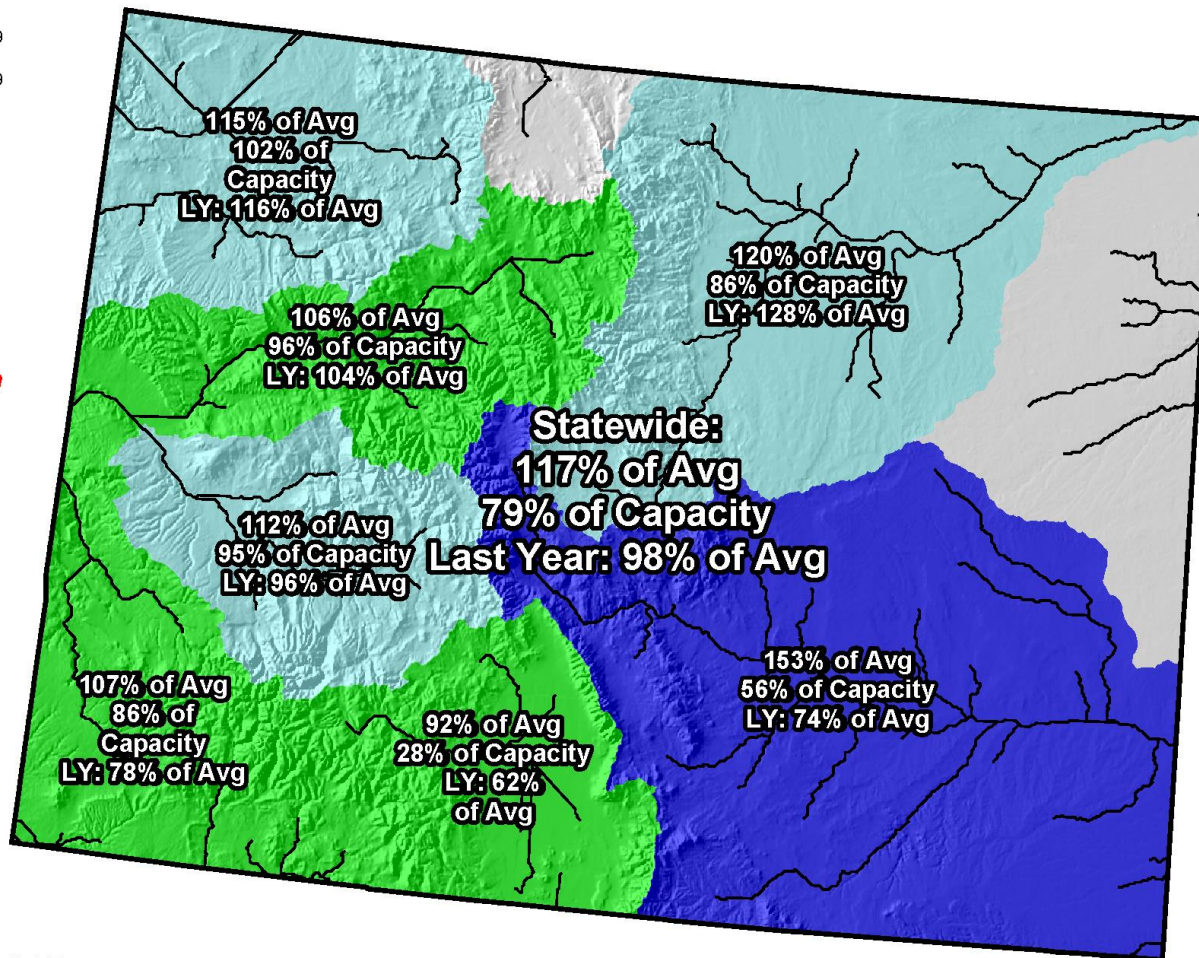
End of June 2015

Colorado Reservoir Storage Map

Percent of Average

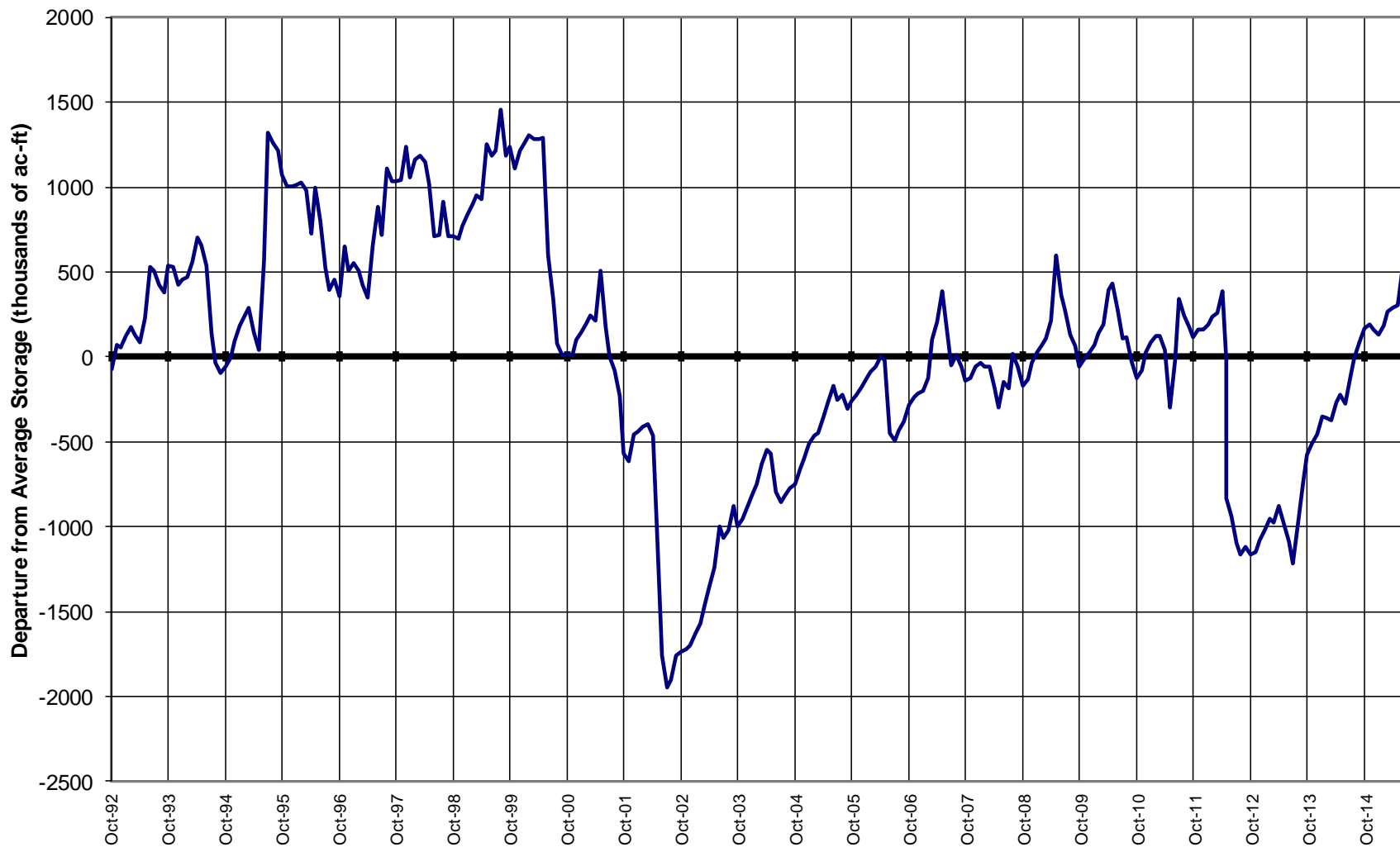


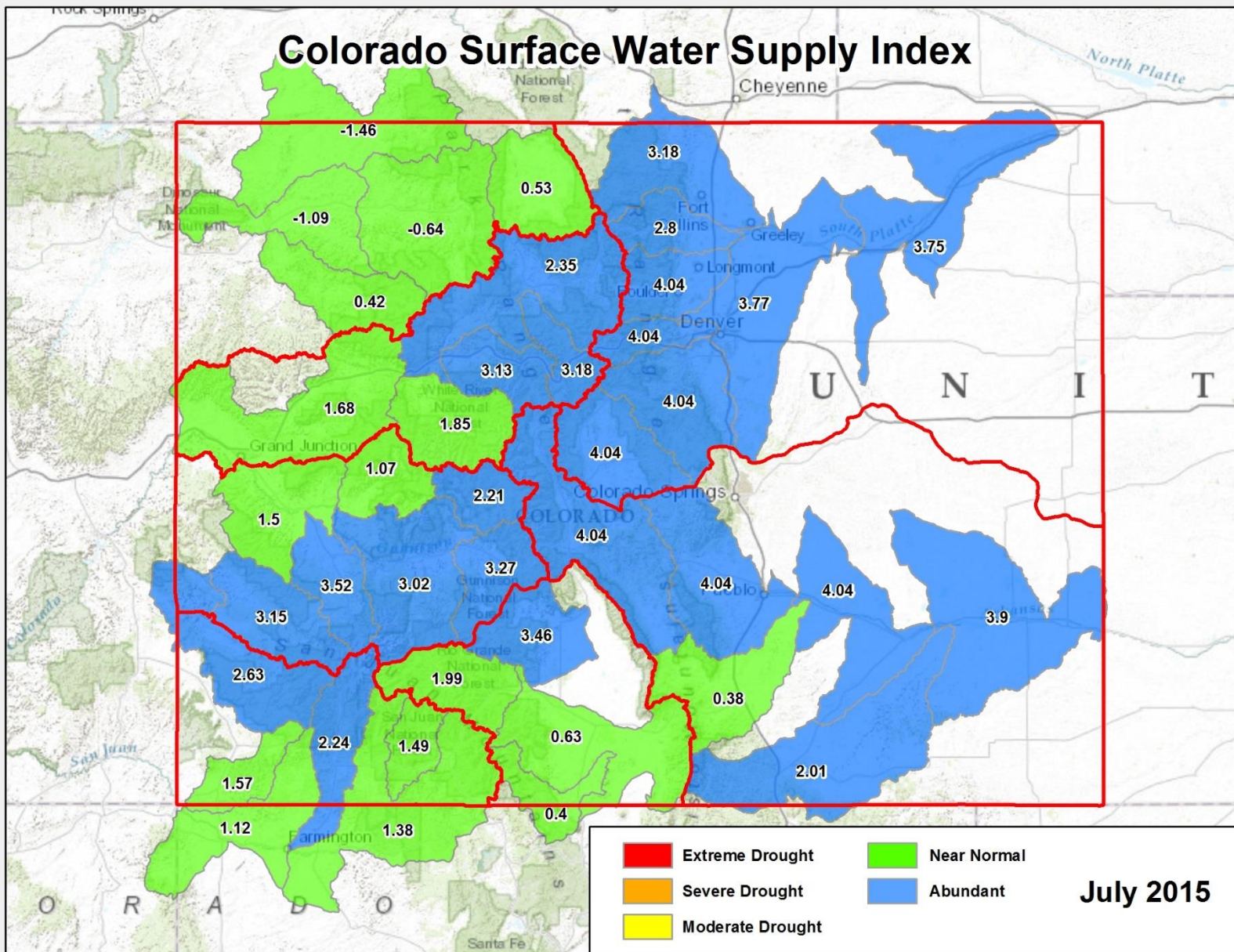
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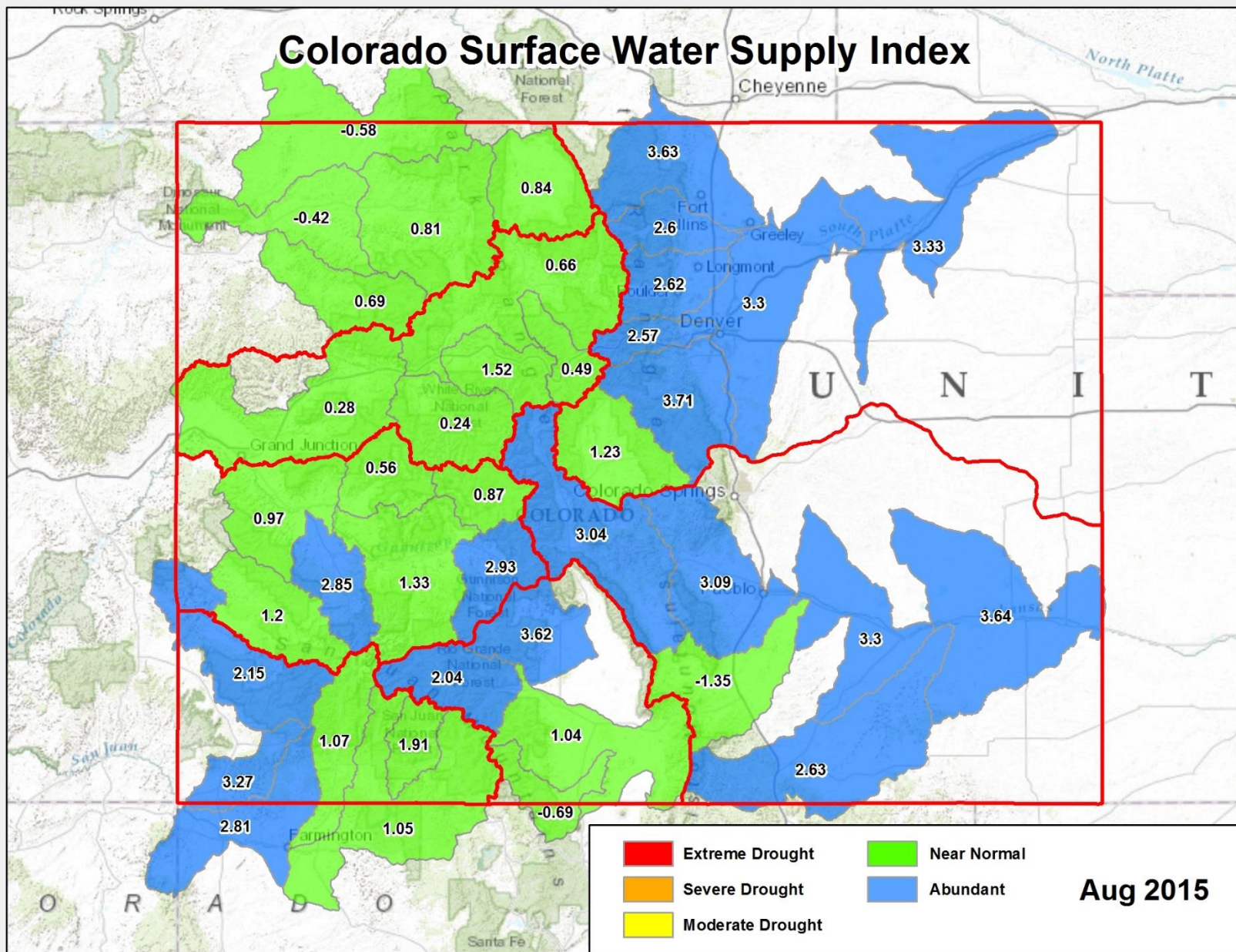




COLORADO STATEWIDE Reservoir Storage Departure from Average







Summary

- Statewide snowpack peak occurred Mar. 14th, four weeks early.
 - South Platte peaked Apr 28th
 - This year's snowpack peak was 77% of the typical peak, 28/30 yrs
- Mountain precip continuous to provide better than normal totals.
 - August off to a slow start but year-to-Date precip up near normal statewide
- Reservoirs statewide are in relatively good standing
 - Statewide reservoirs are up 5% from last month
 - SMDASJ are still above normal for the first time since 2012
 - Rio Grande res are below normal at 89% up from 66% last month
 - Ark is the highest it has been since Summer 2001
- SWSI – Some SWSIs decreased into August but in general remain above normal
 - Most decreases occurred in the Upper Colorado and Gunnison basins



United States Department of Agriculture

Colorado Snow Surveys

Water Availability Task Force Meeting

August 12th, 2015

NRCS Snow Survey and Water Supply Forecasting Program

Karl Wetlaufer

Colorado Snow Survey Hydrologist

720-544-2853

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