



United States Department of Agriculture

Colorado Snow Surveys

Water Availability Task Force Meeting

January 20th, 2015

NRCS Snow Survey and Water Supply Forecasting Program

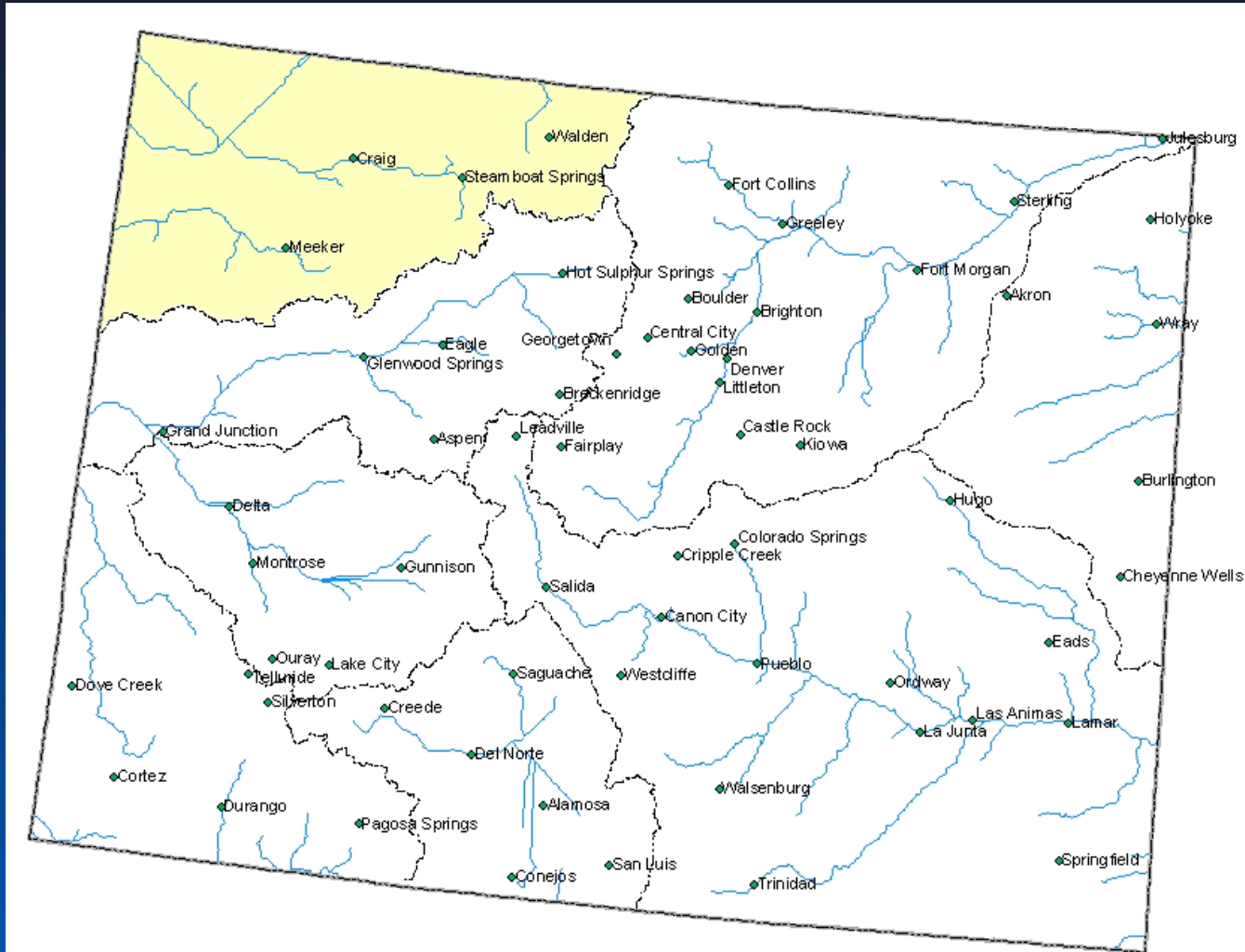
Brian Domonkos

Colorado Snow Survey Supervisor

720-544-2852

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

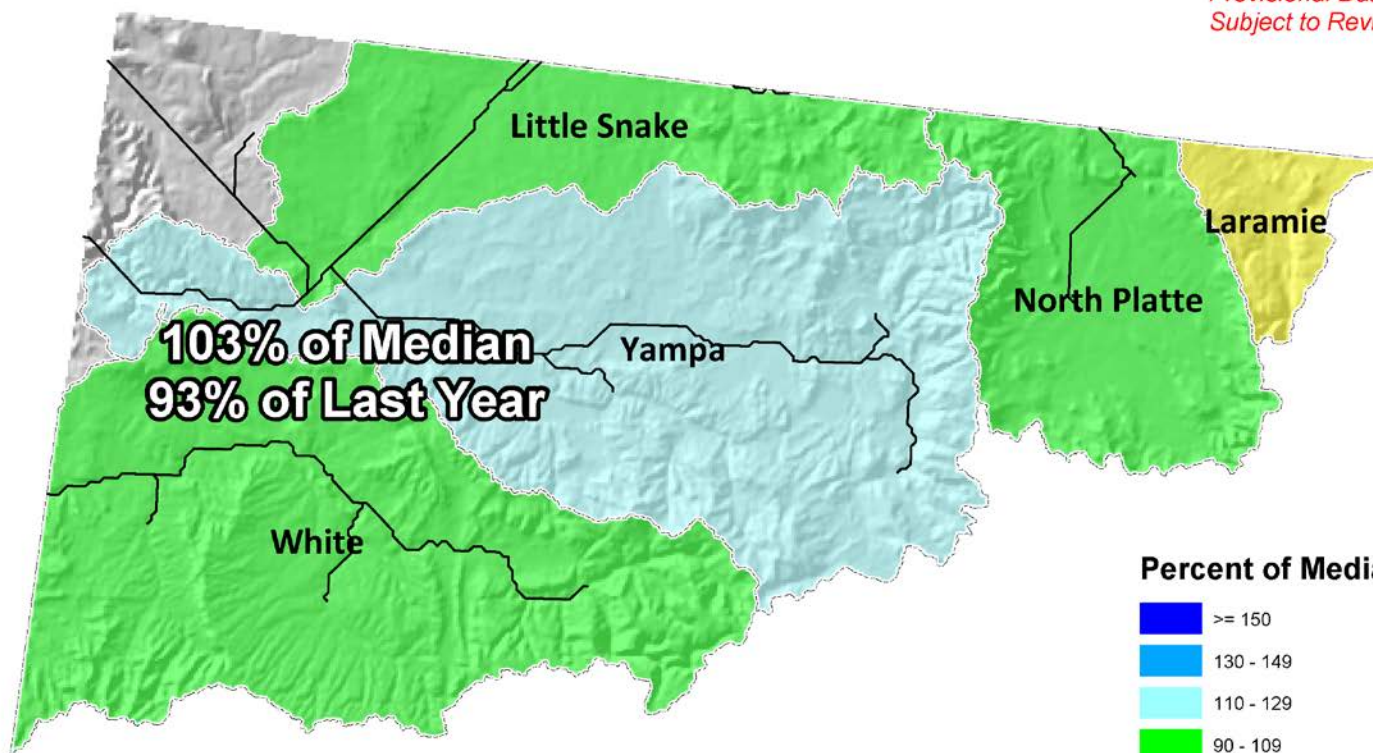
Yampa, White & North Platte River Basins Summary



Yampa, White and North Platte River Basins Snowpack Map



*Provisional Data
Subject to Revision*



Percent of Median

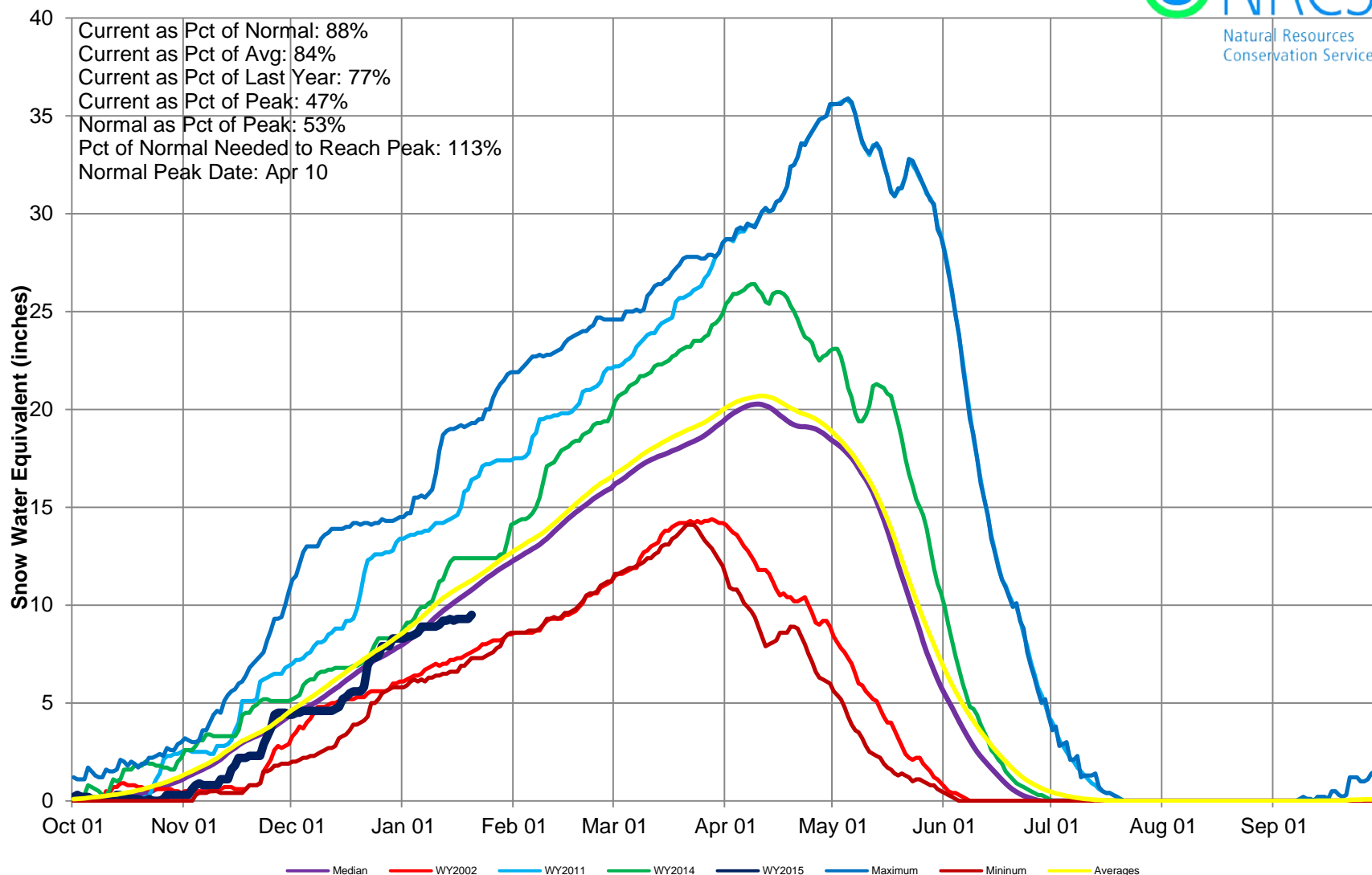


Current as of January 1, 2015



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

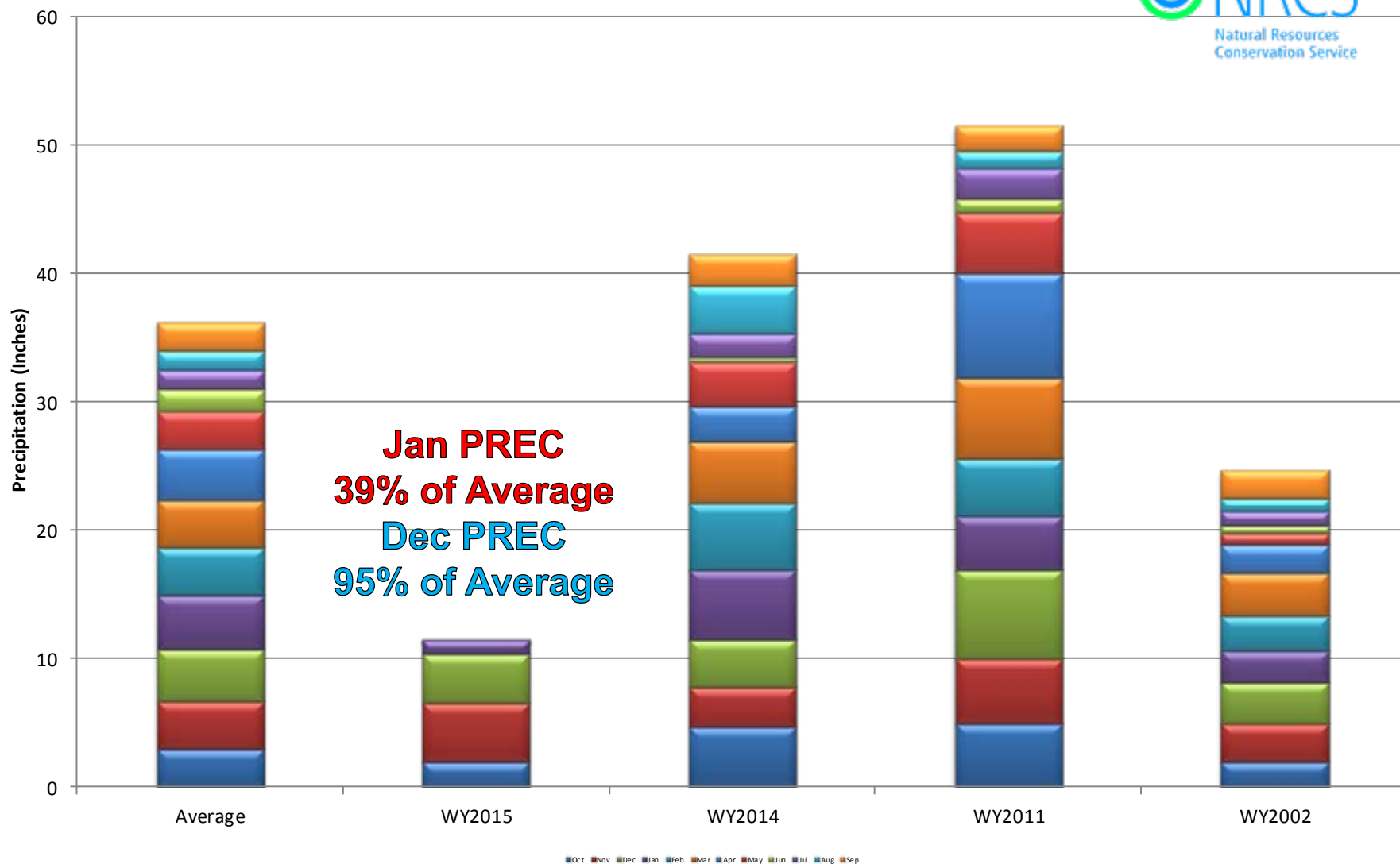
Based on Provisional SNOTEL data as of Jan 20, 2015





Yampa & White River Basins High/Low Monthly Precipitation Summary

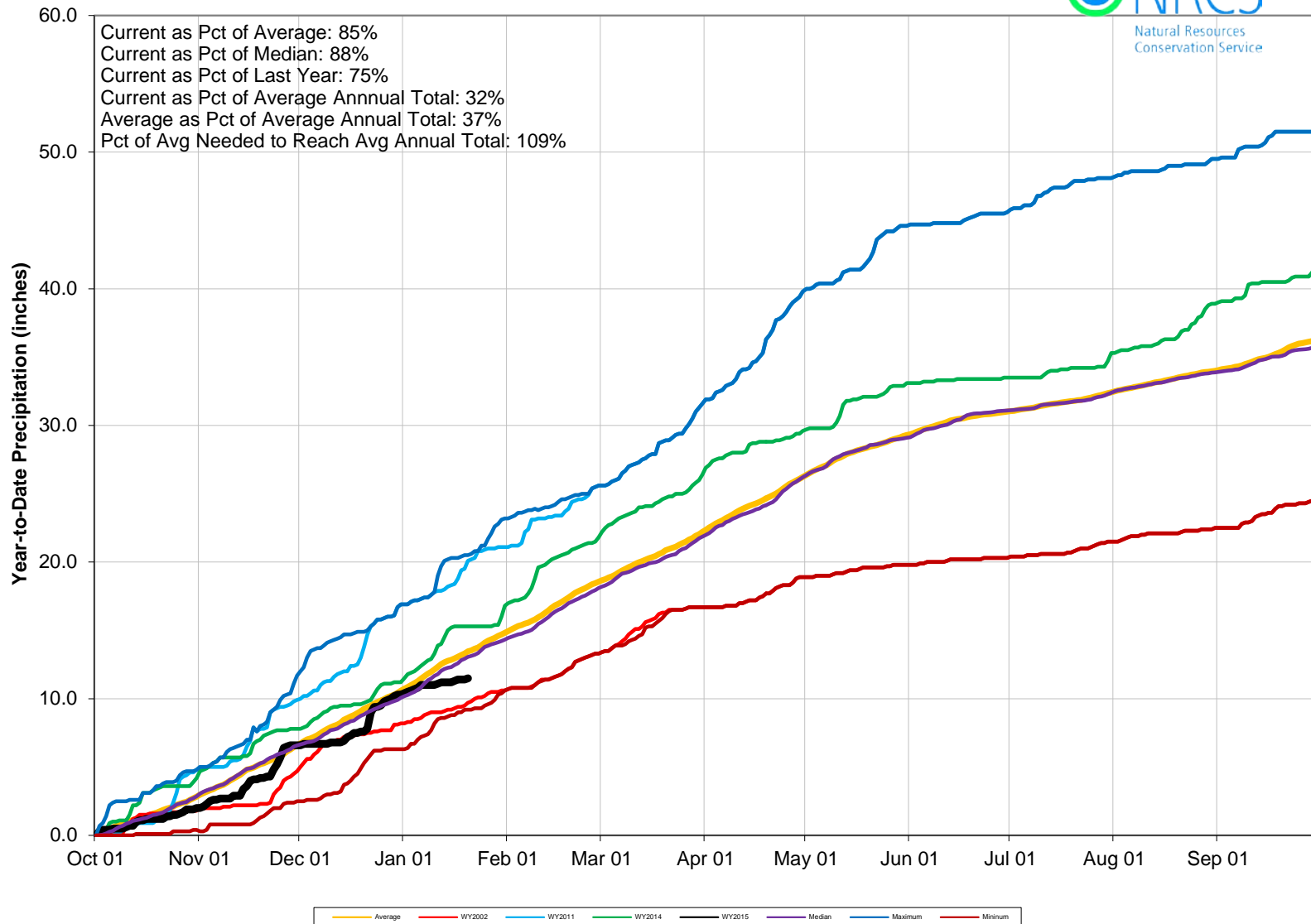
Based on Provisional SNOTEL data as of Jan 20, 2015





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

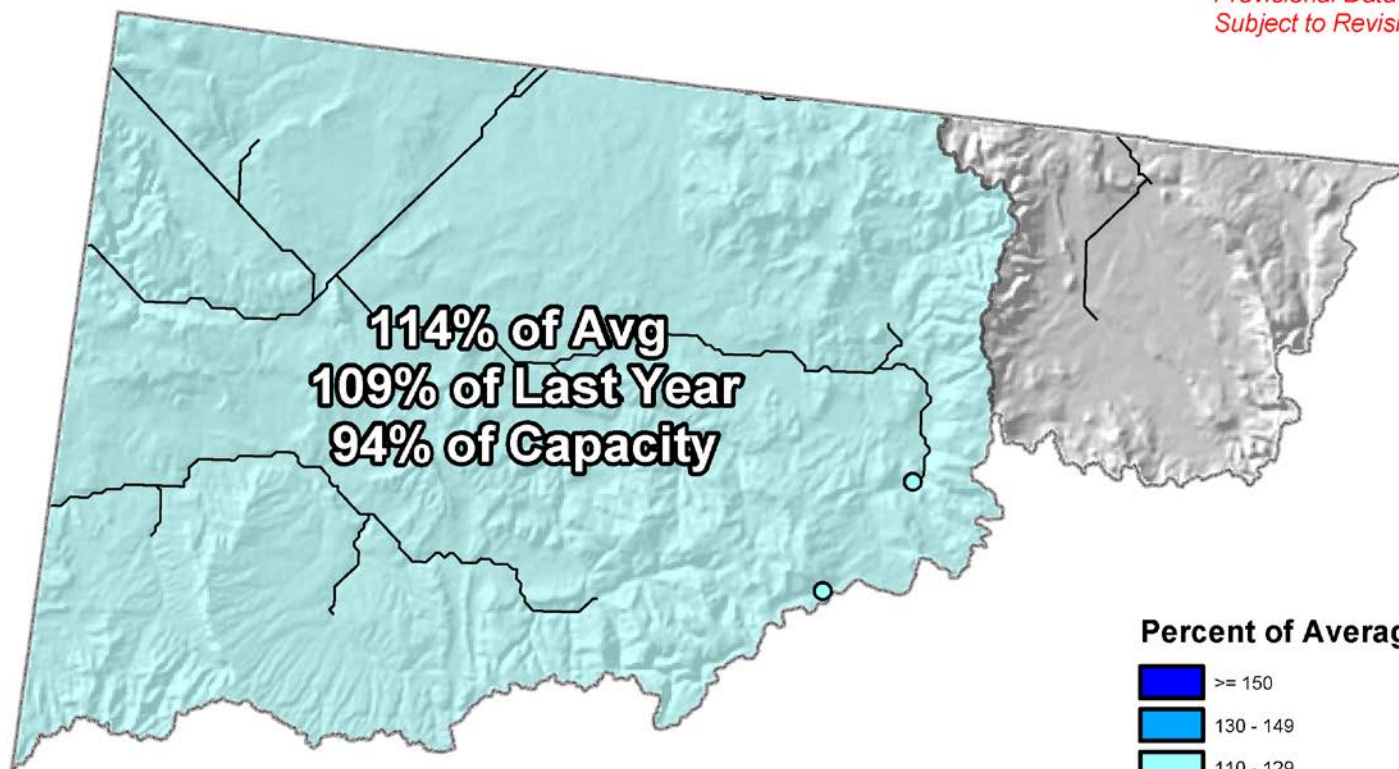
Based on Provisional SNOTEL data as of Jan 20, 2015



Yampa & White River Basins Reservoir Storage Map

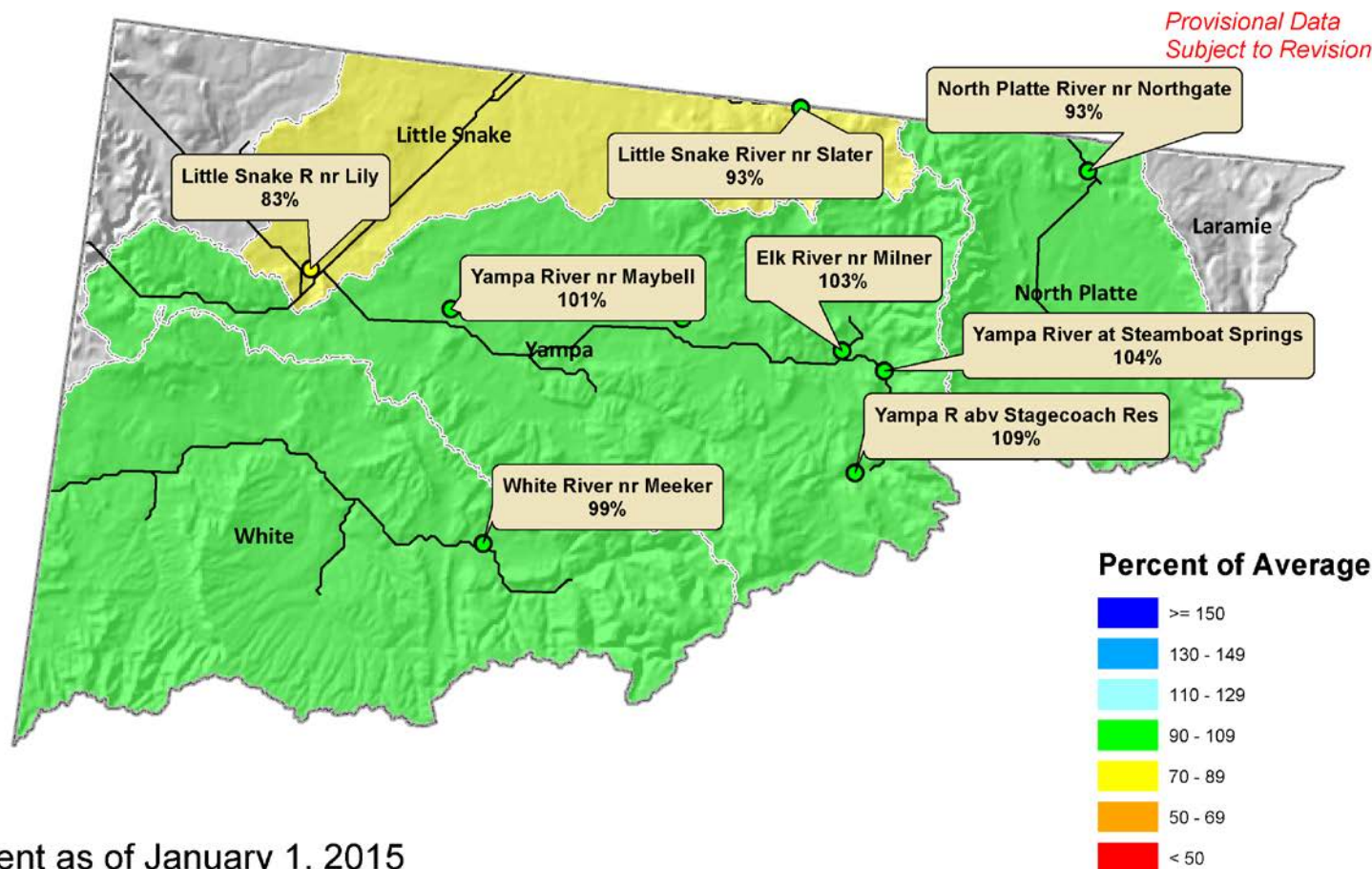


*Provisional Data
Subject to Revision*



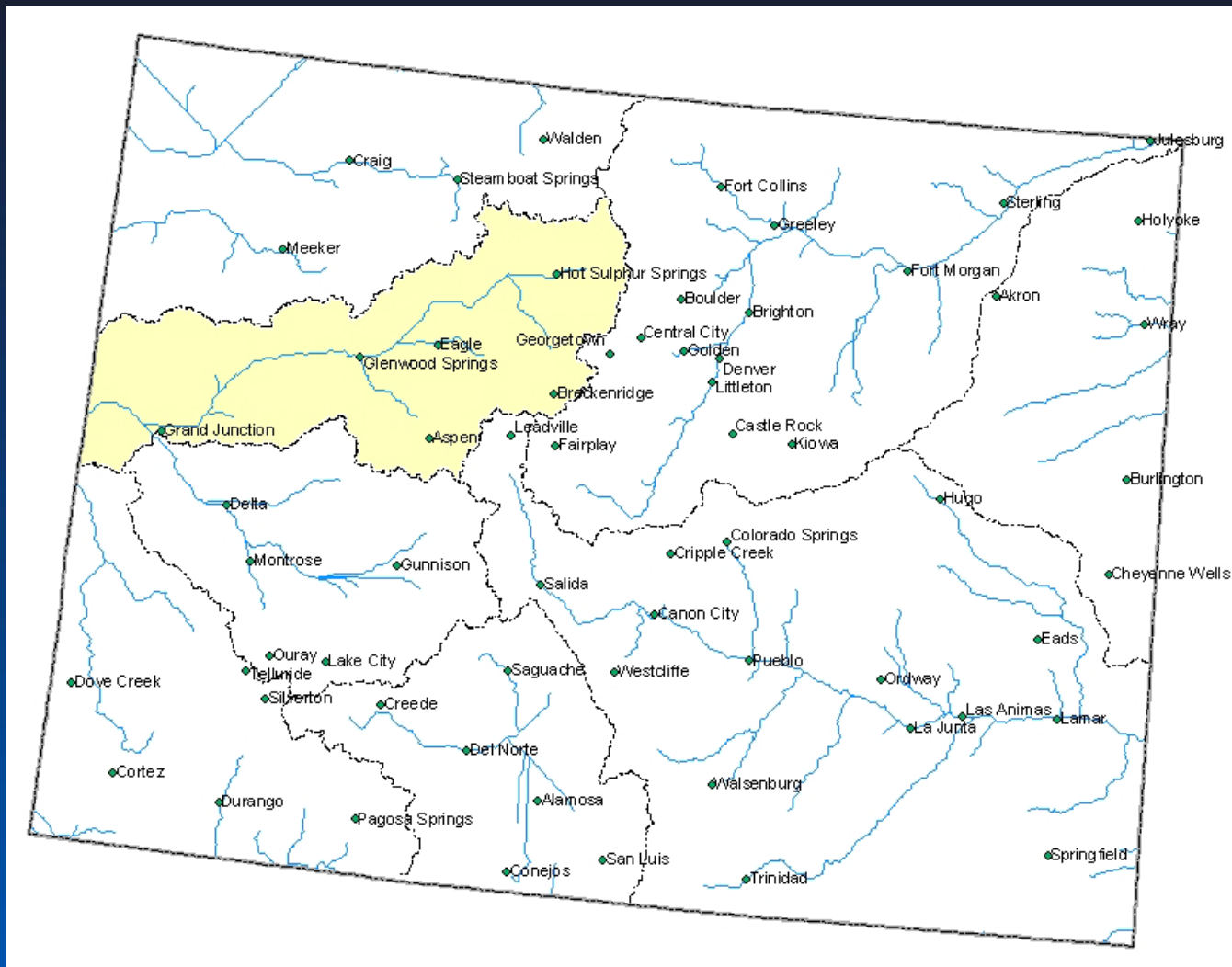
End of December 2014

Yampa, White and North Platte River Basins Streamflow Map



Current as of January 1, 2015

Colorado River Basin Summary

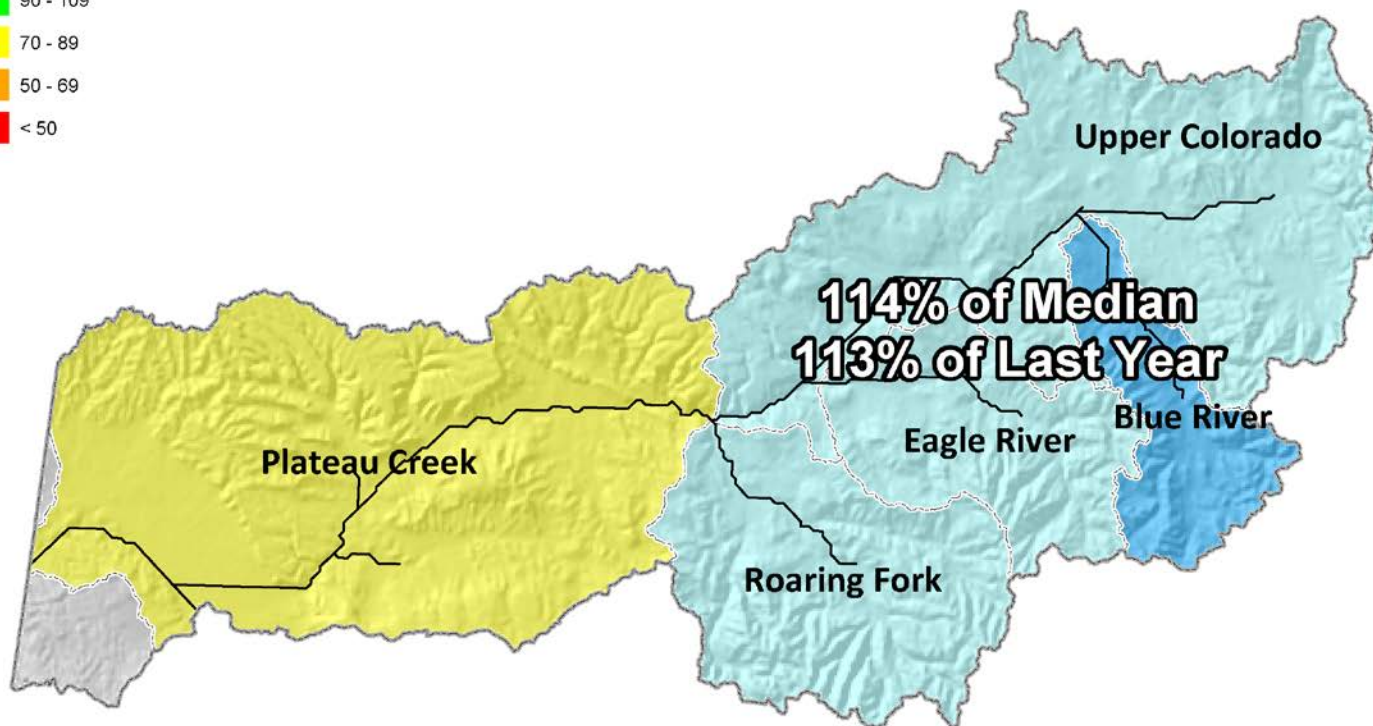


Colorado River Basin Snowpack Map

Percent of Median



*Provisional Data
Subject to Revision*

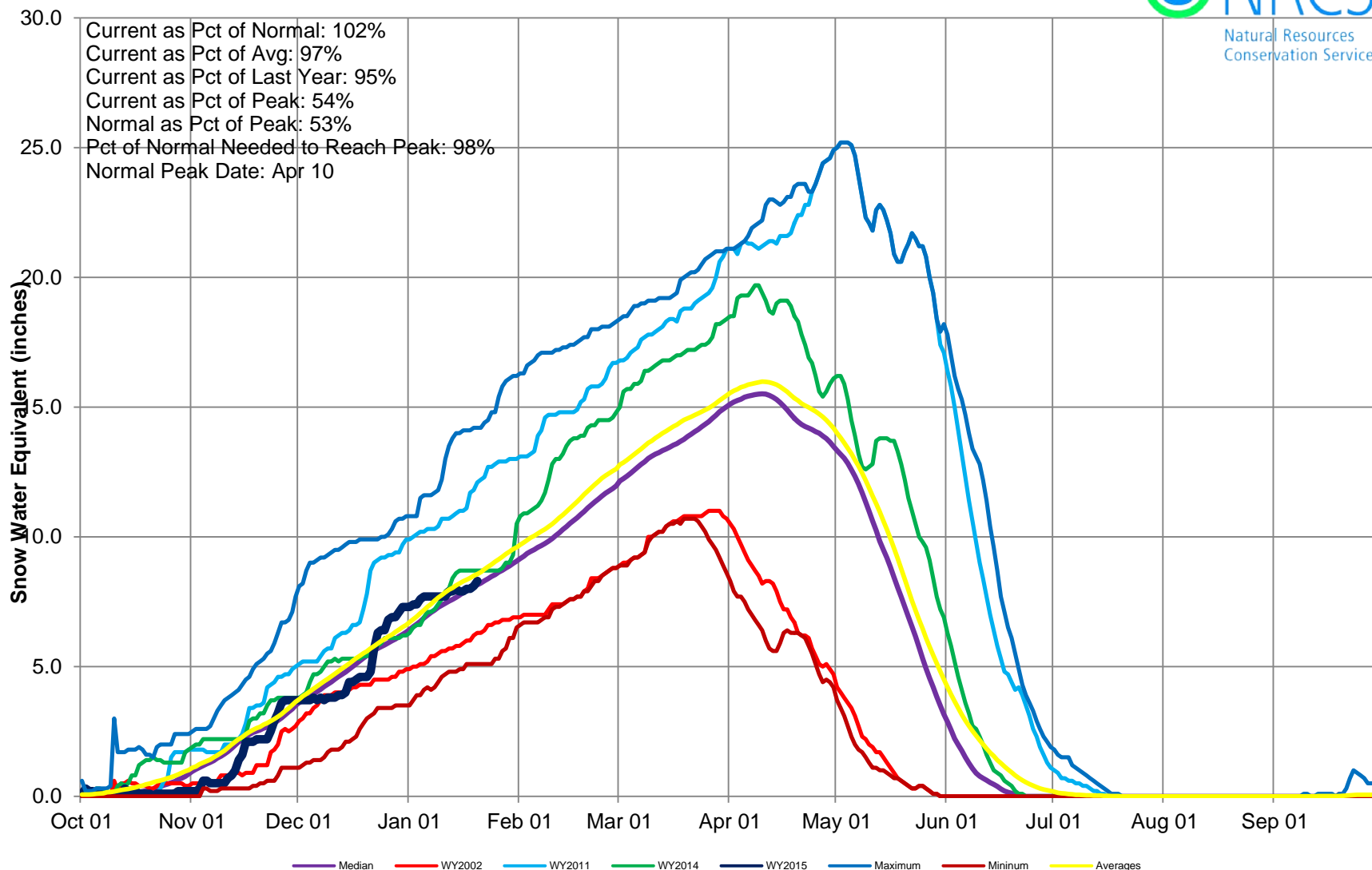


Current as of January 1, 2015



Upper Colorado River Basin High/Low Snowpack Summary

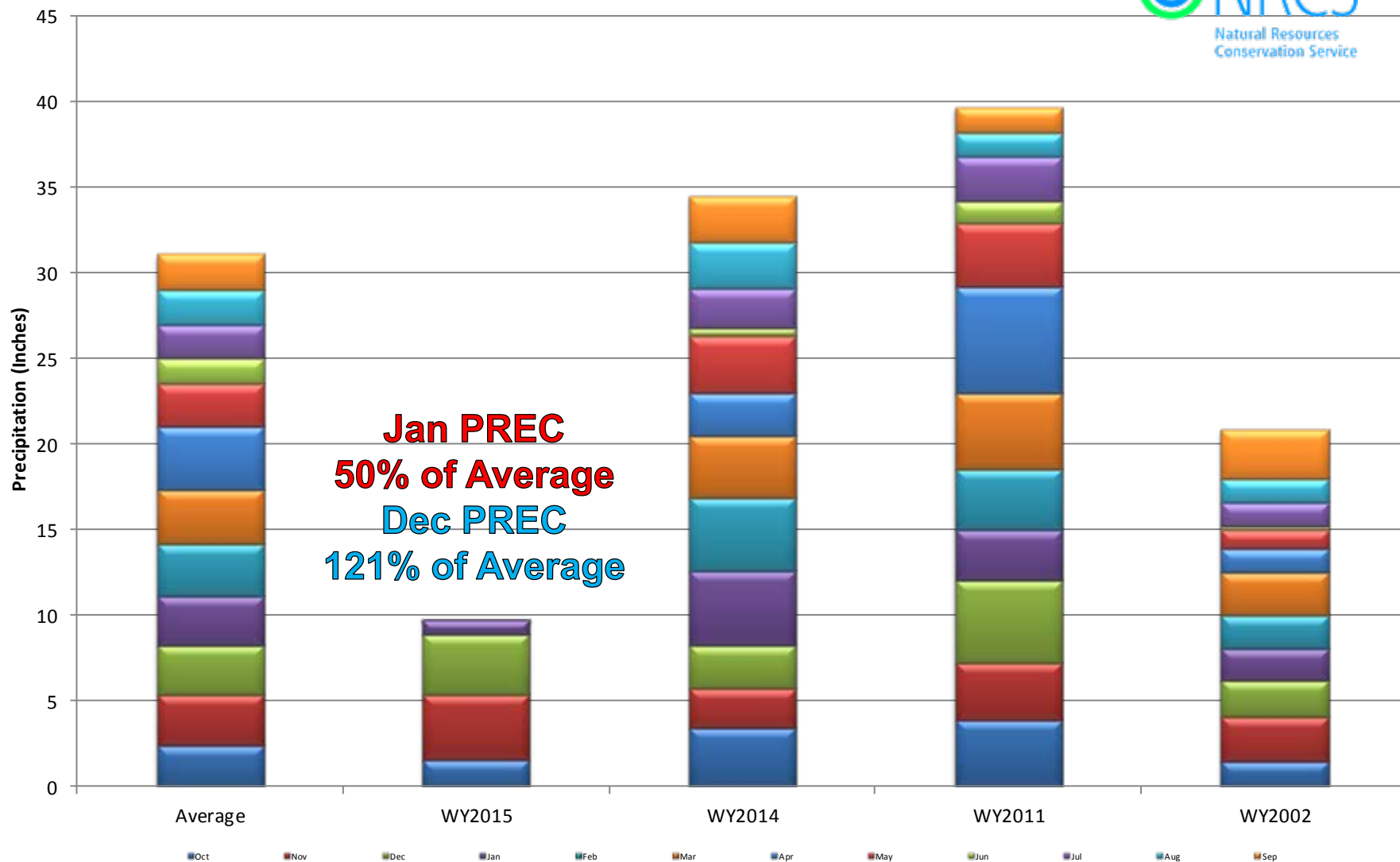
Based on Provisional SNOTEL data as of Jan 20, 2015





Upper Colorado River Basin High/Low Monthly Precipitation Summary

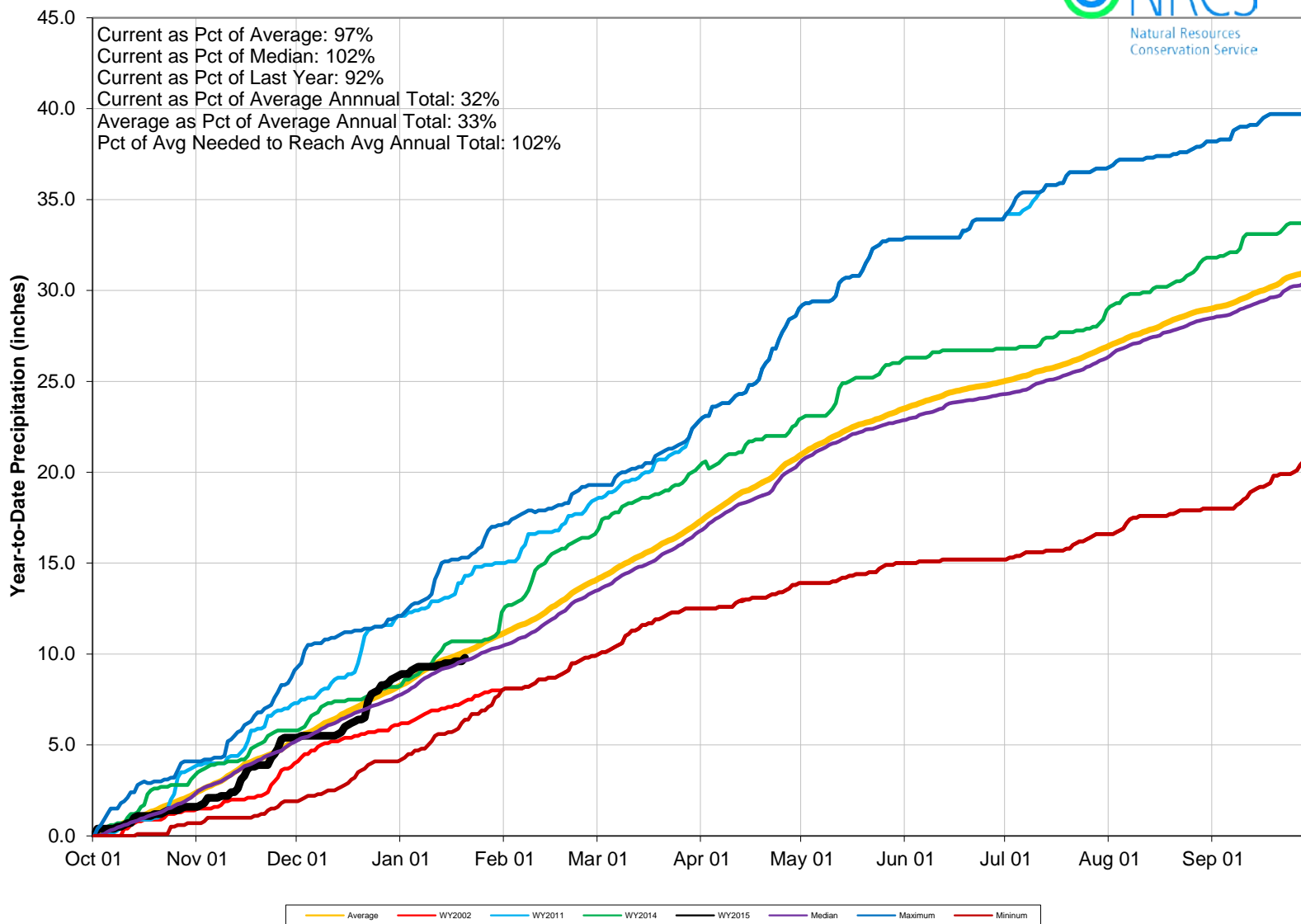
Based on Provisional SNOTEL data as of Jan 20, 2015





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

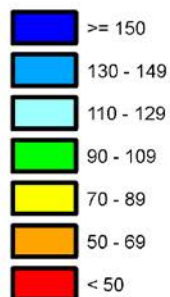
Based on Provisional SNOTEL data as of Jan 20, 2015



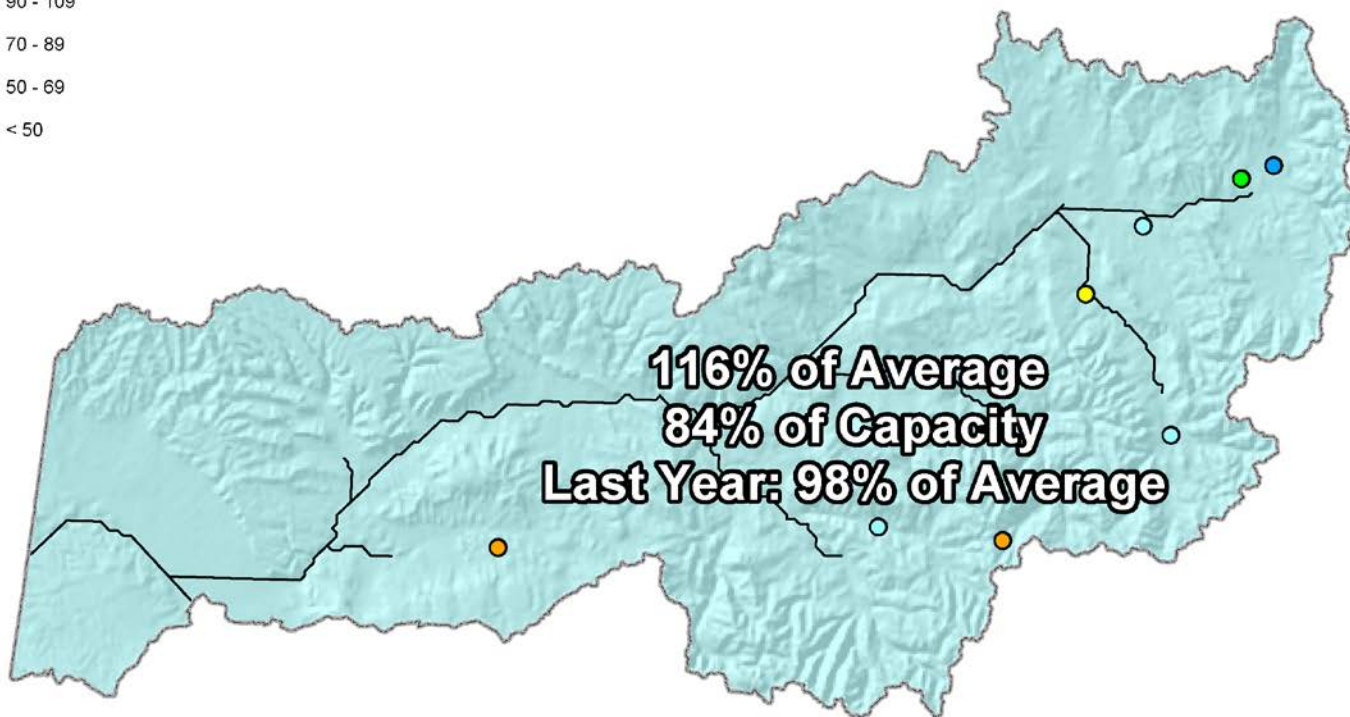
Colorado River Basin Reservoir Storage Map



Percent of Average



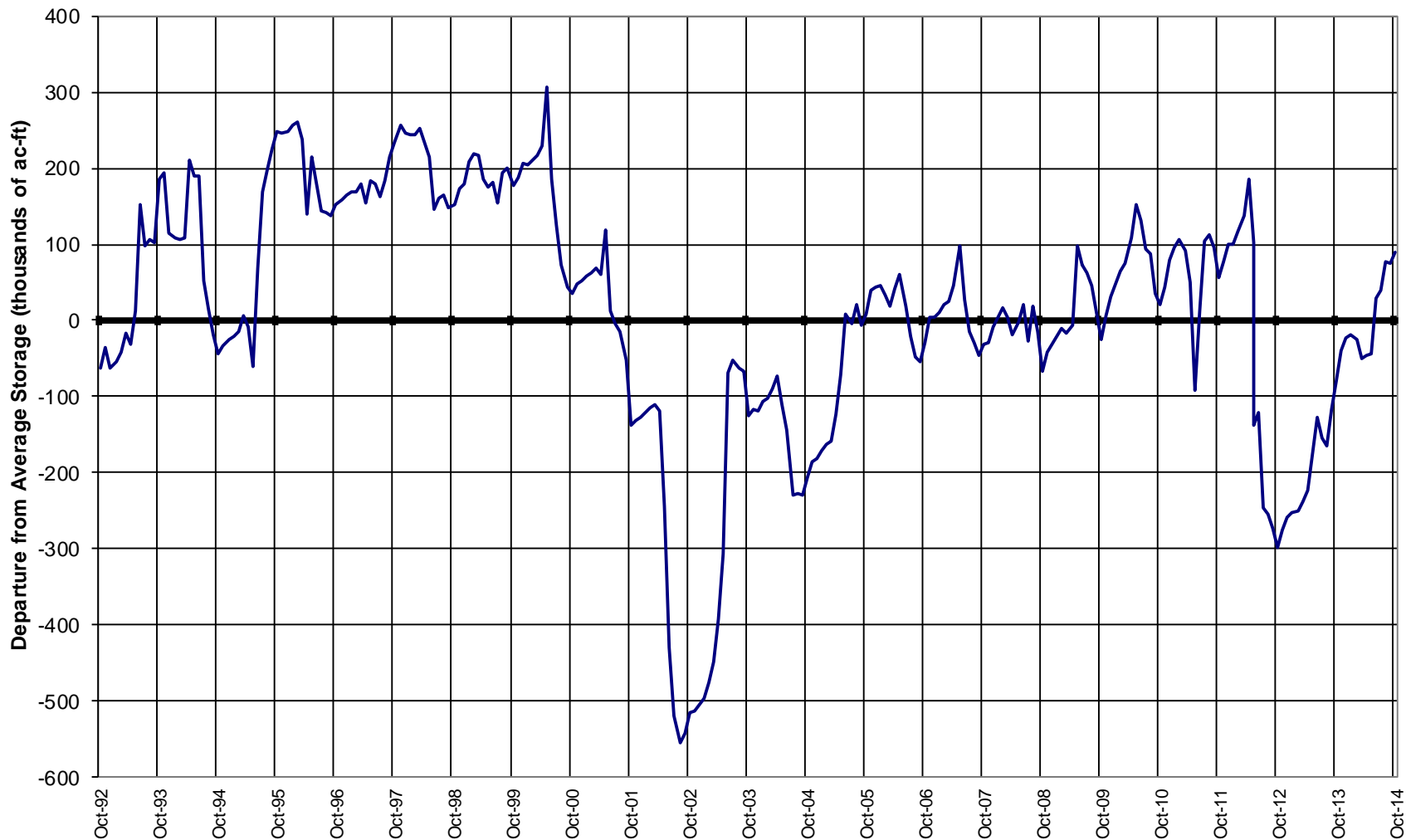
*Provisional Data
Subject to Revision*



End of December 2014



COLORADO RIVER BASIN Reservoir Storage Departure from Average

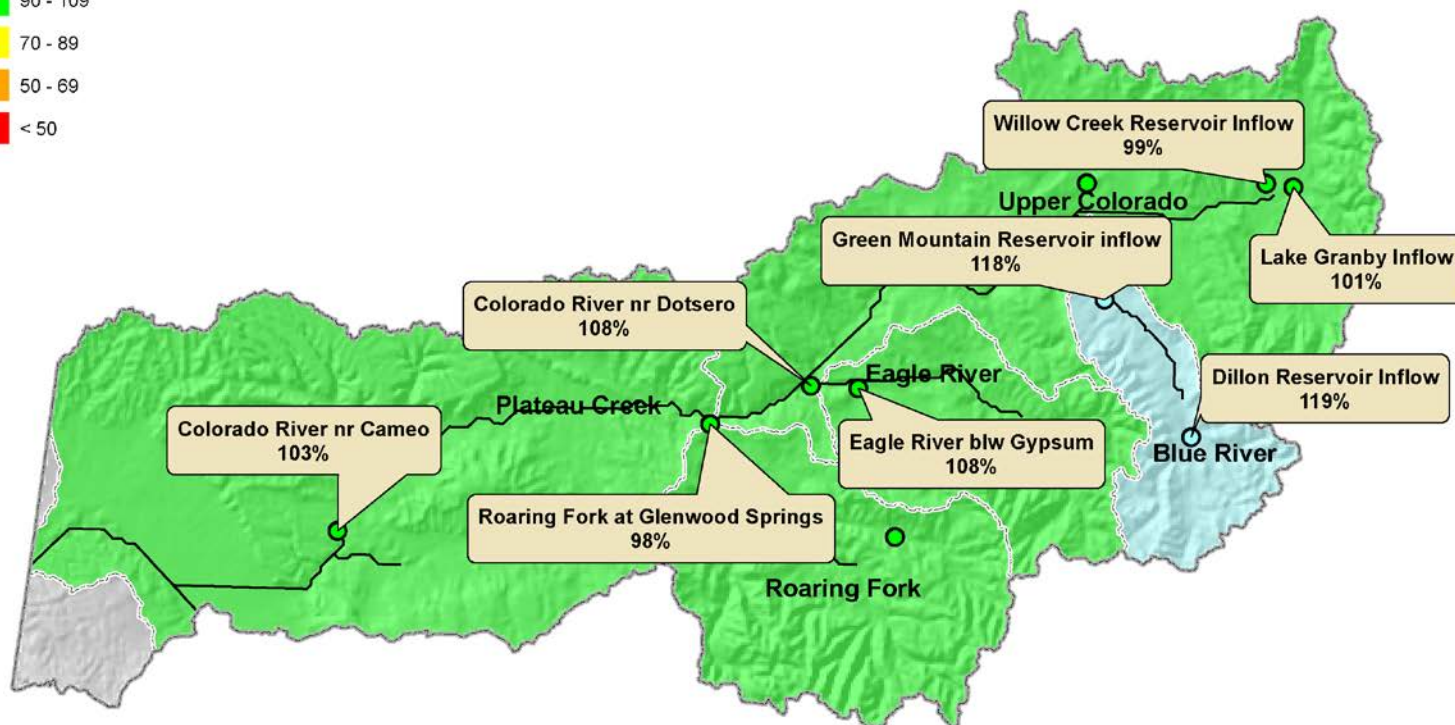


Colorado River Basin Streamflow Forecast Map



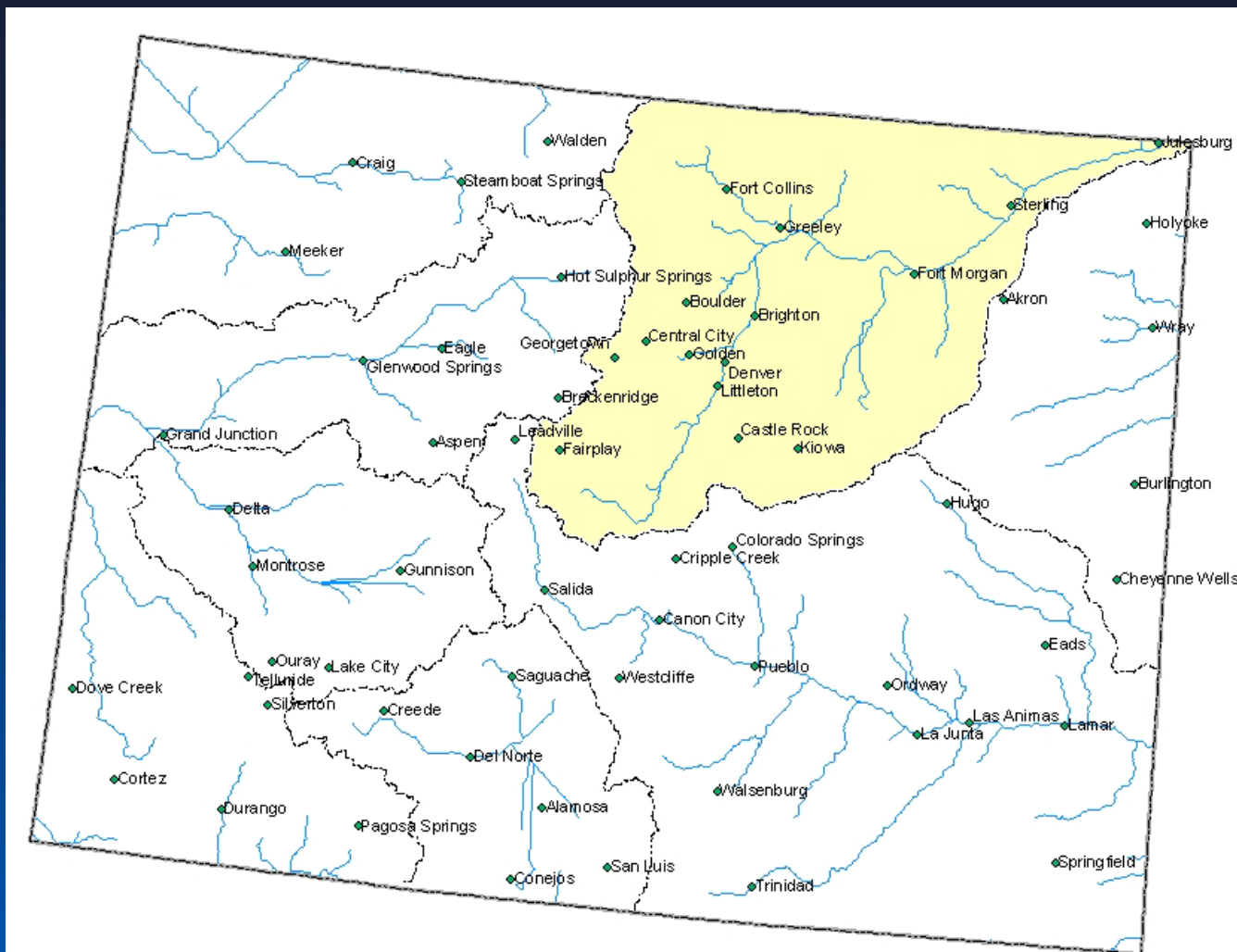
*Provisional Data
Subject to Revision*

Percent of Average



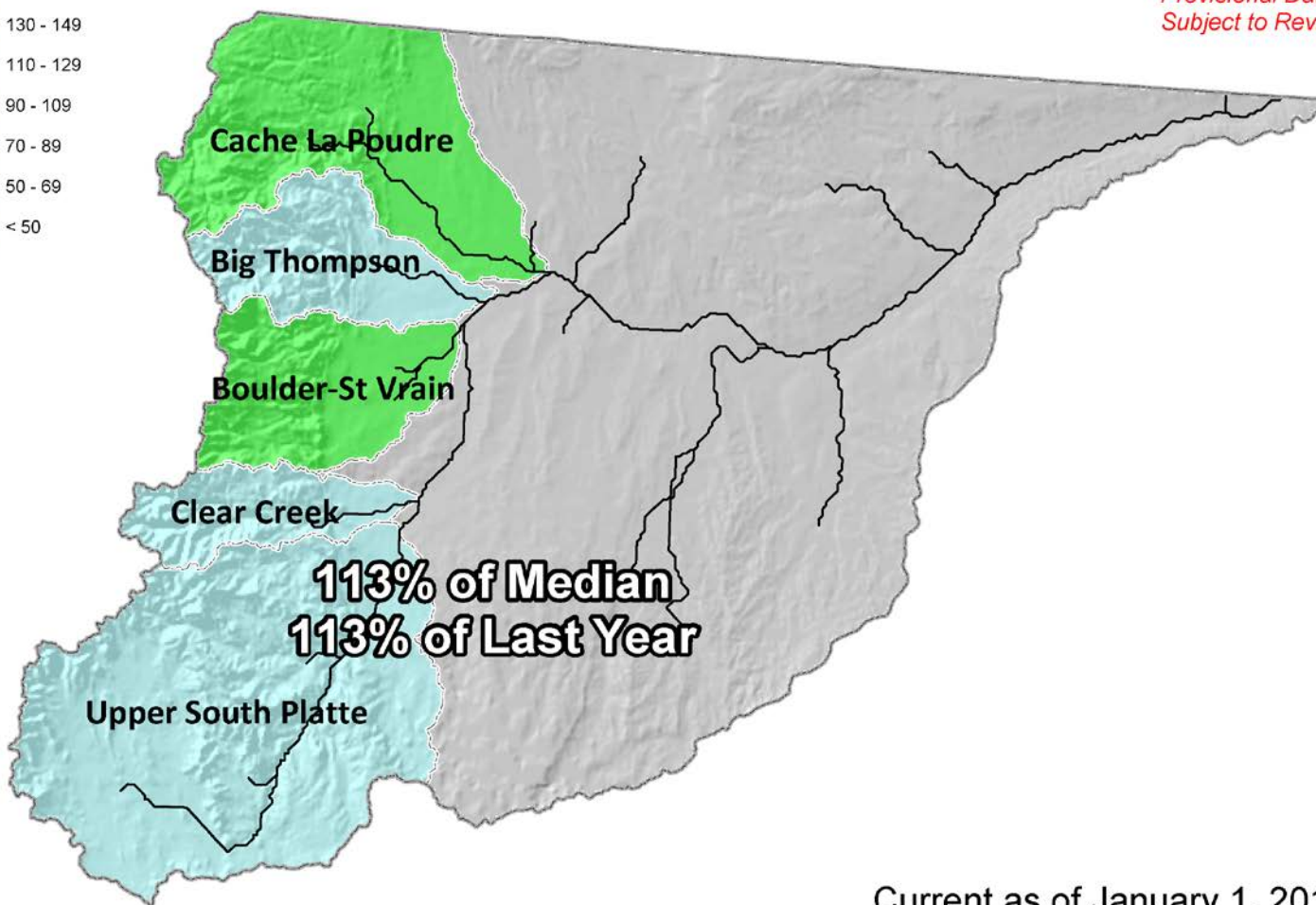
Current as of January 1, 2015

South Platte River Basin Summary



South Platte River Basin Snowpack Map

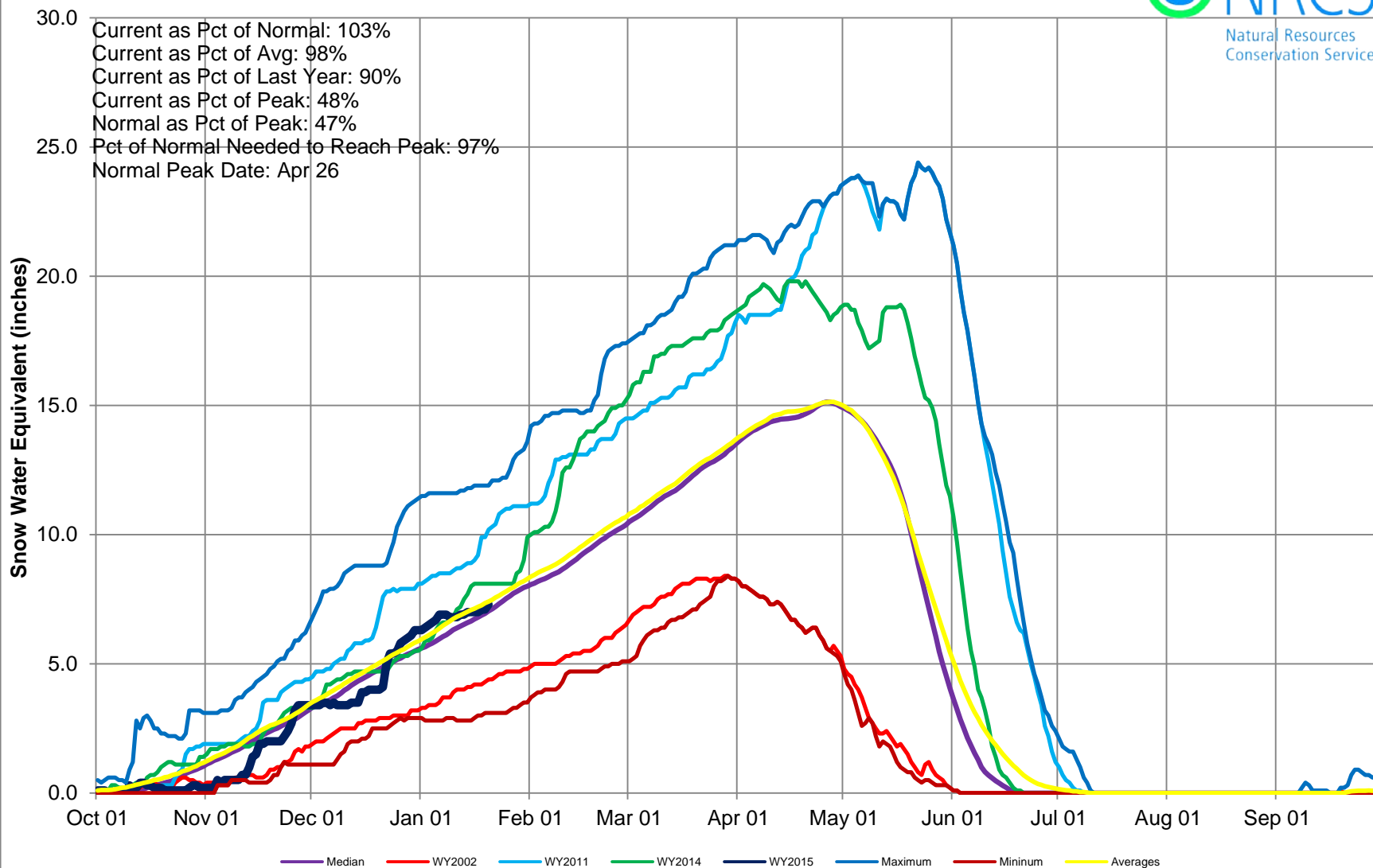
Percent of Median





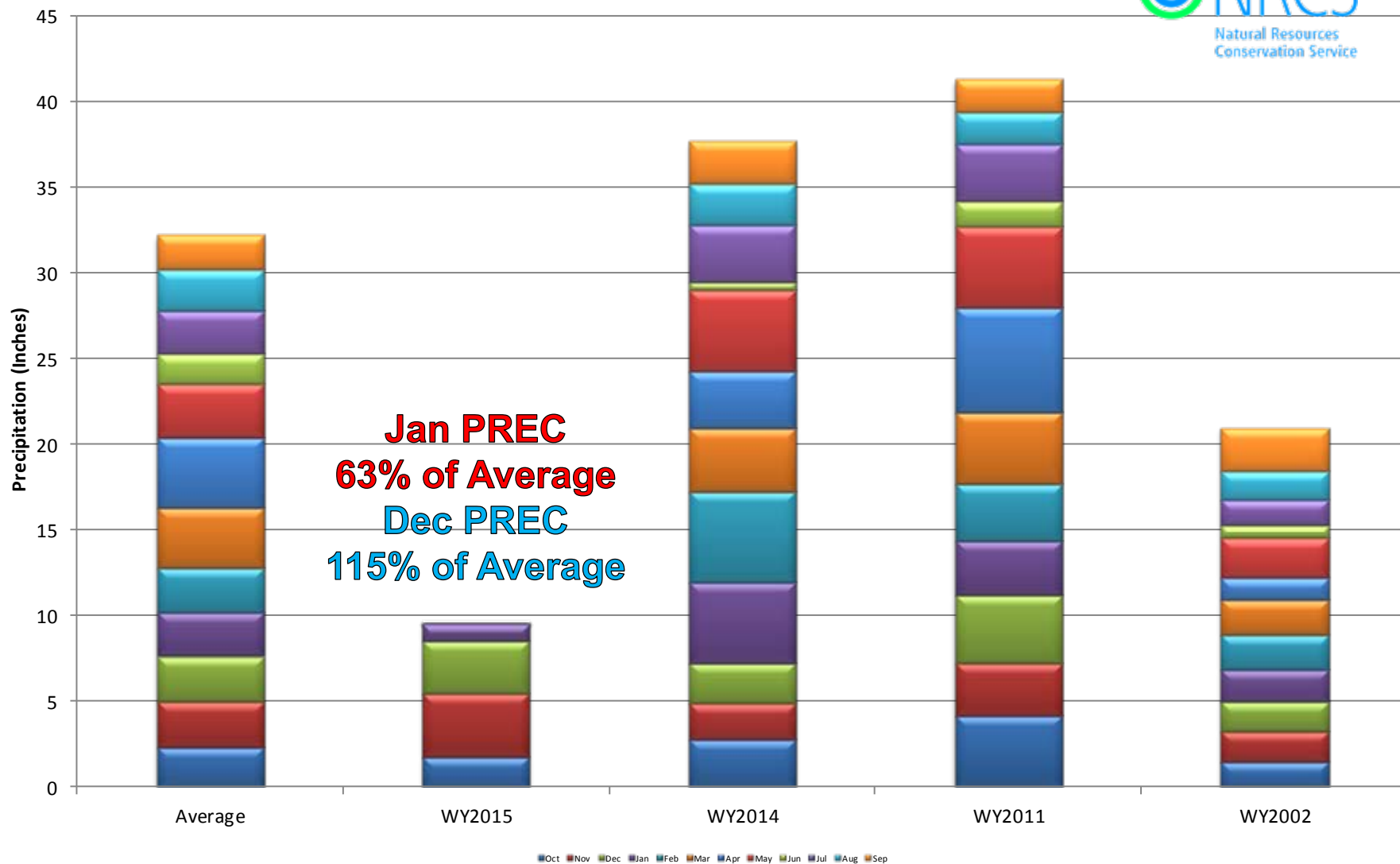
South Platte River Basin High/Low Snowpack Summary

Based on Provisional SNOTEL data as of Jan 20, 2015



South Platte River Basin High/Low Monthly Precipitation Summary

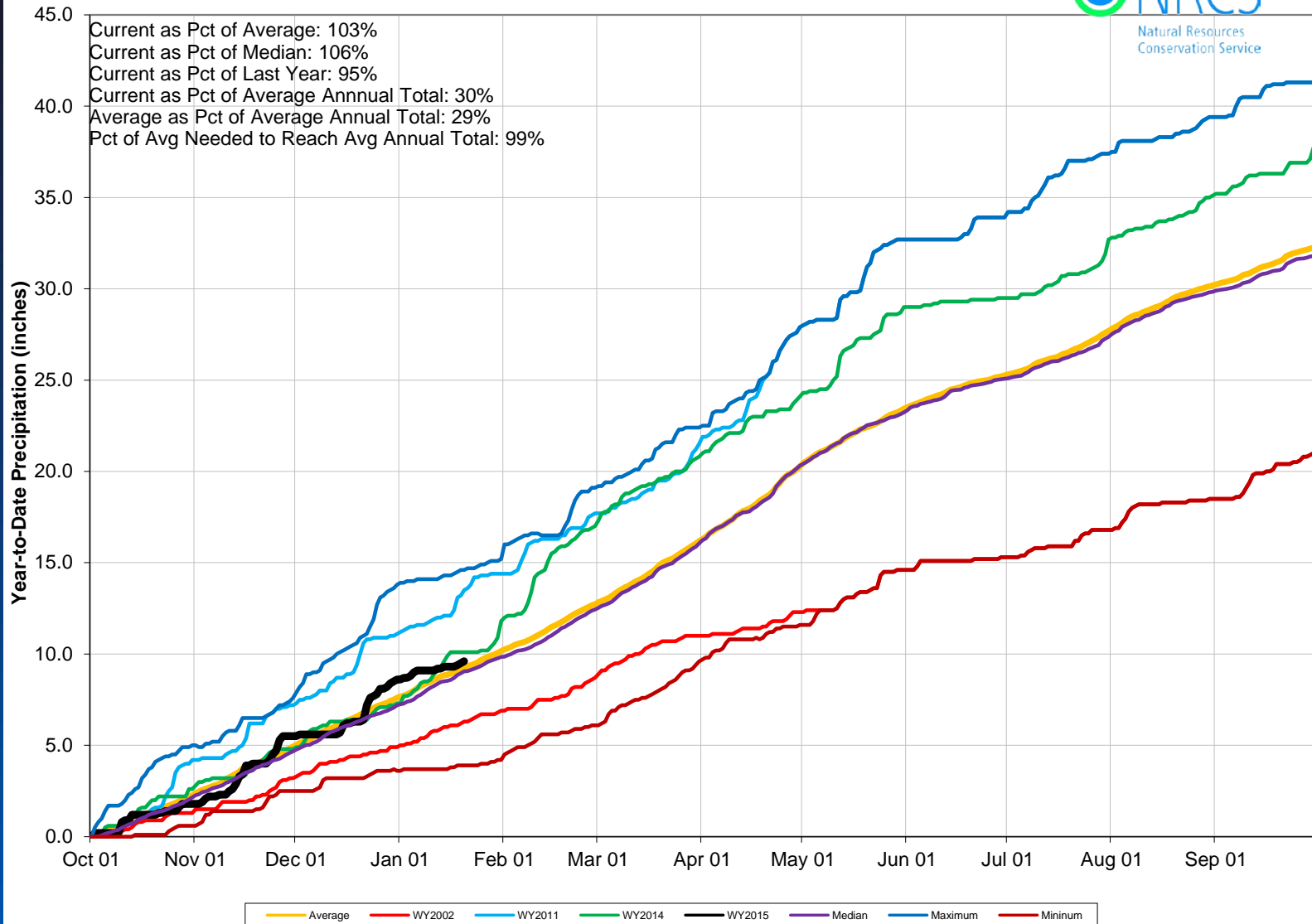
Based on Provisional SNOTEL data as of Jan 20, 2015





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

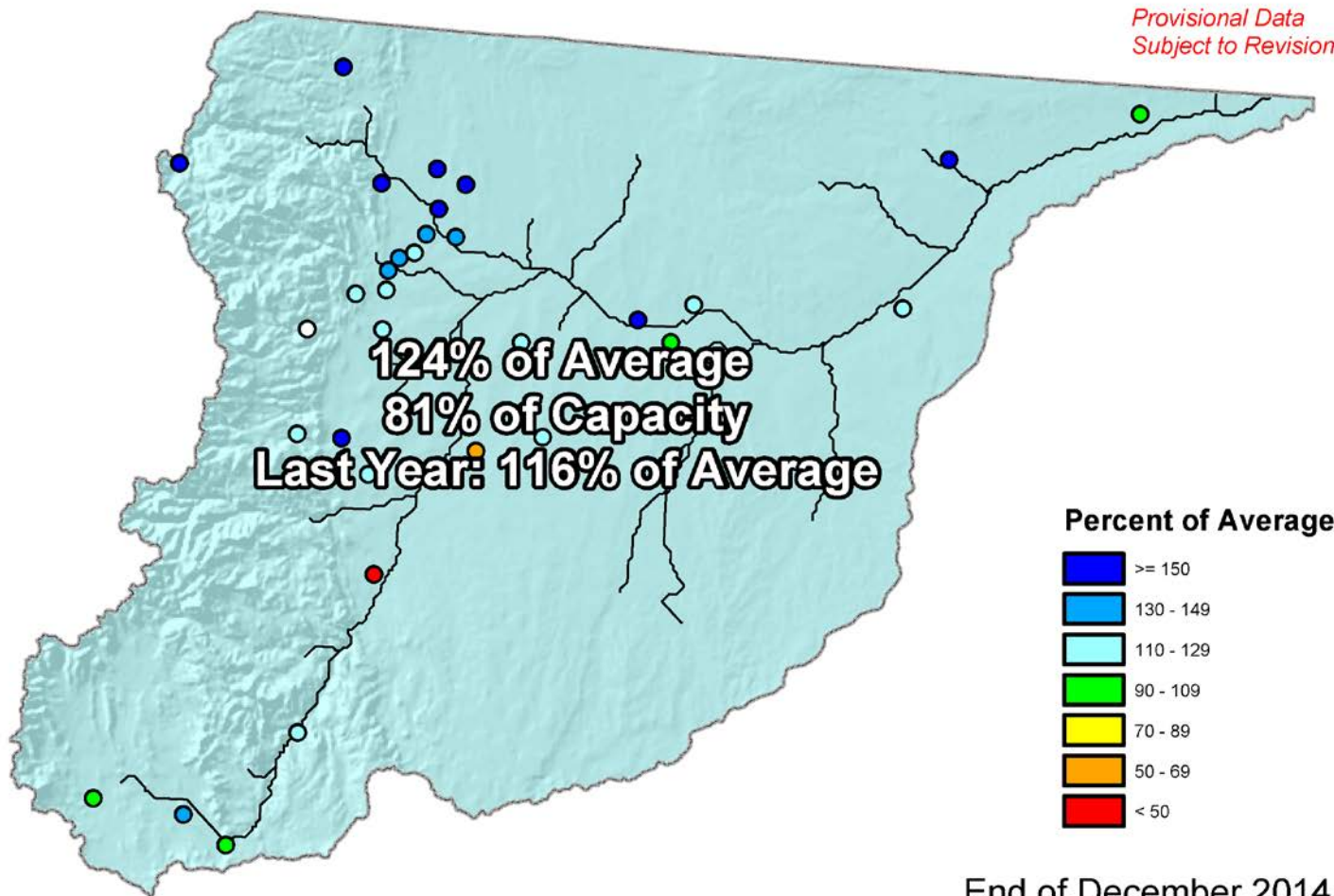
Based on Provisional SNOTEL data as of Jan 20, 2015



South Platte River Basin Reservoir Storage Map



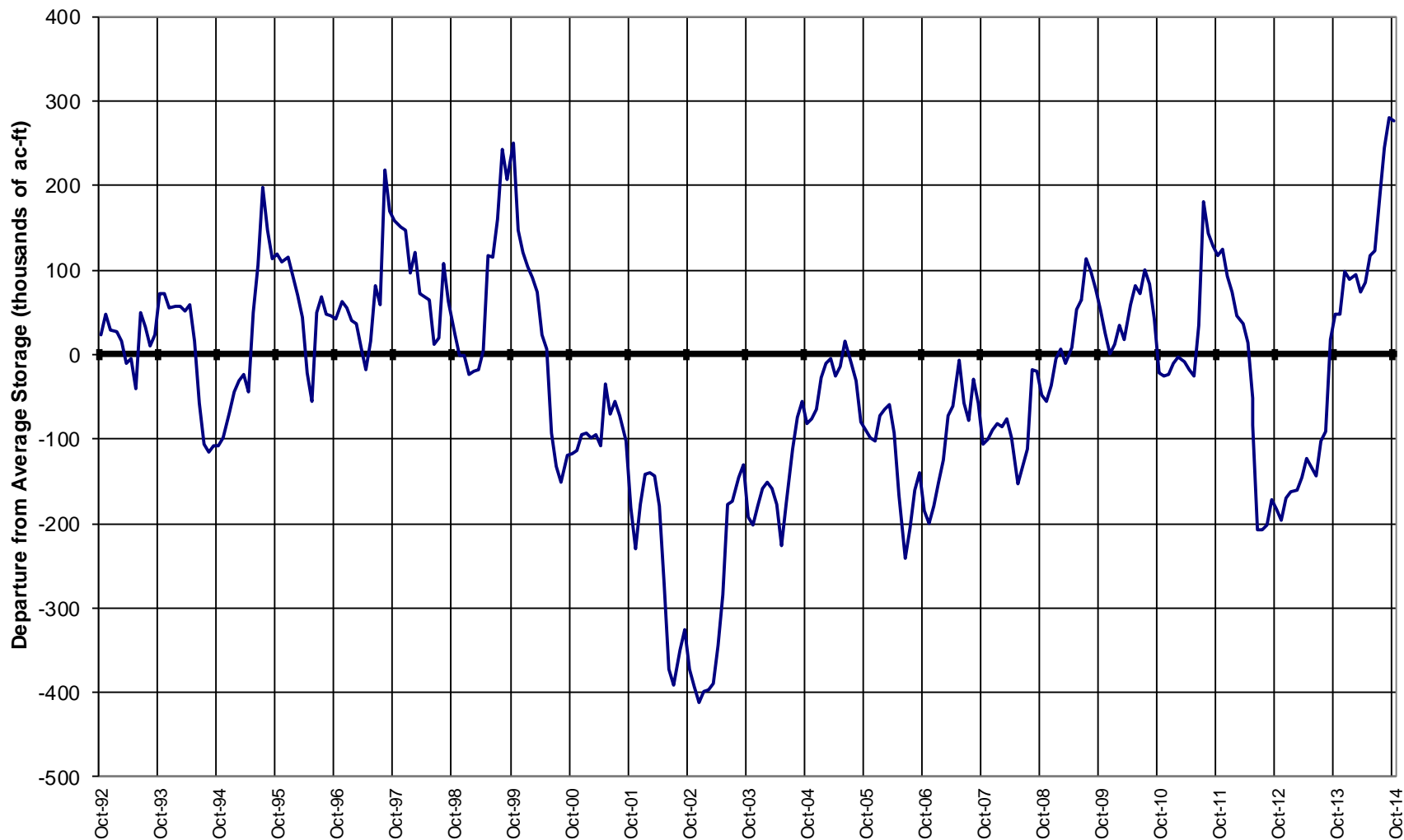
*Provisional Data
Subject to Revision*



End of December 2014



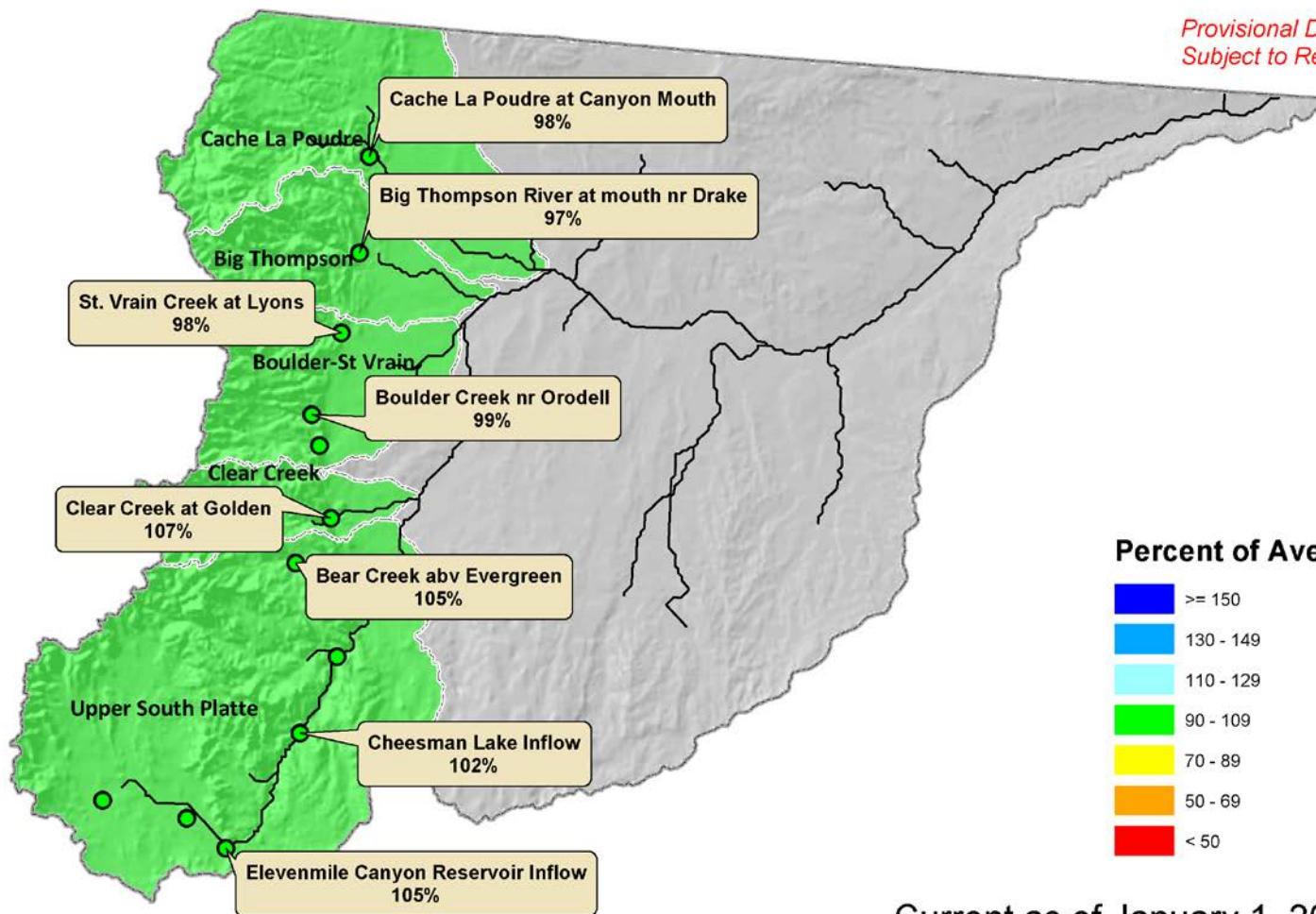
SOUTH PLATTE RIVER BASIN Reservoir Storage Departure from Average



South Platte River Basin Streamflow Forecast Map



*Provisional Data
Subject to Revision*



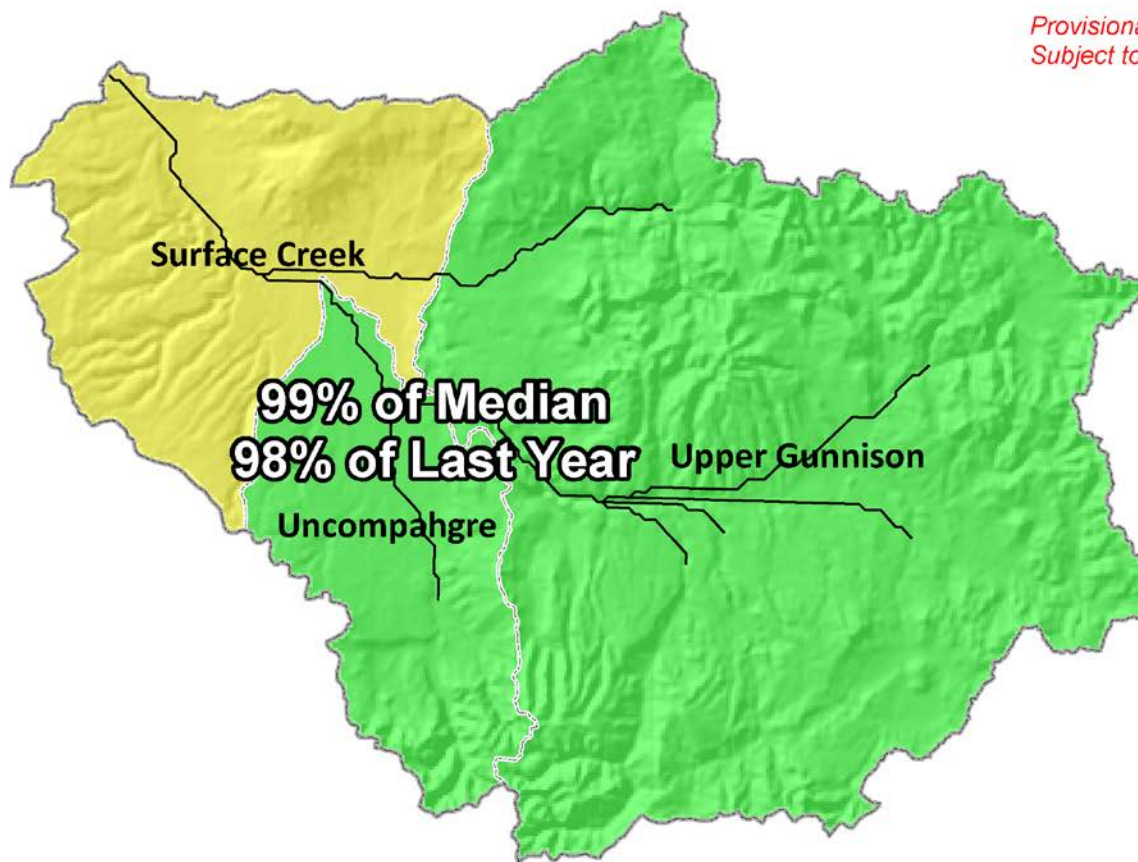
Current as of January 1, 2015

Gunnison River Basin Summary



Gunnison River Basin Snowpack Map

Percent of Median



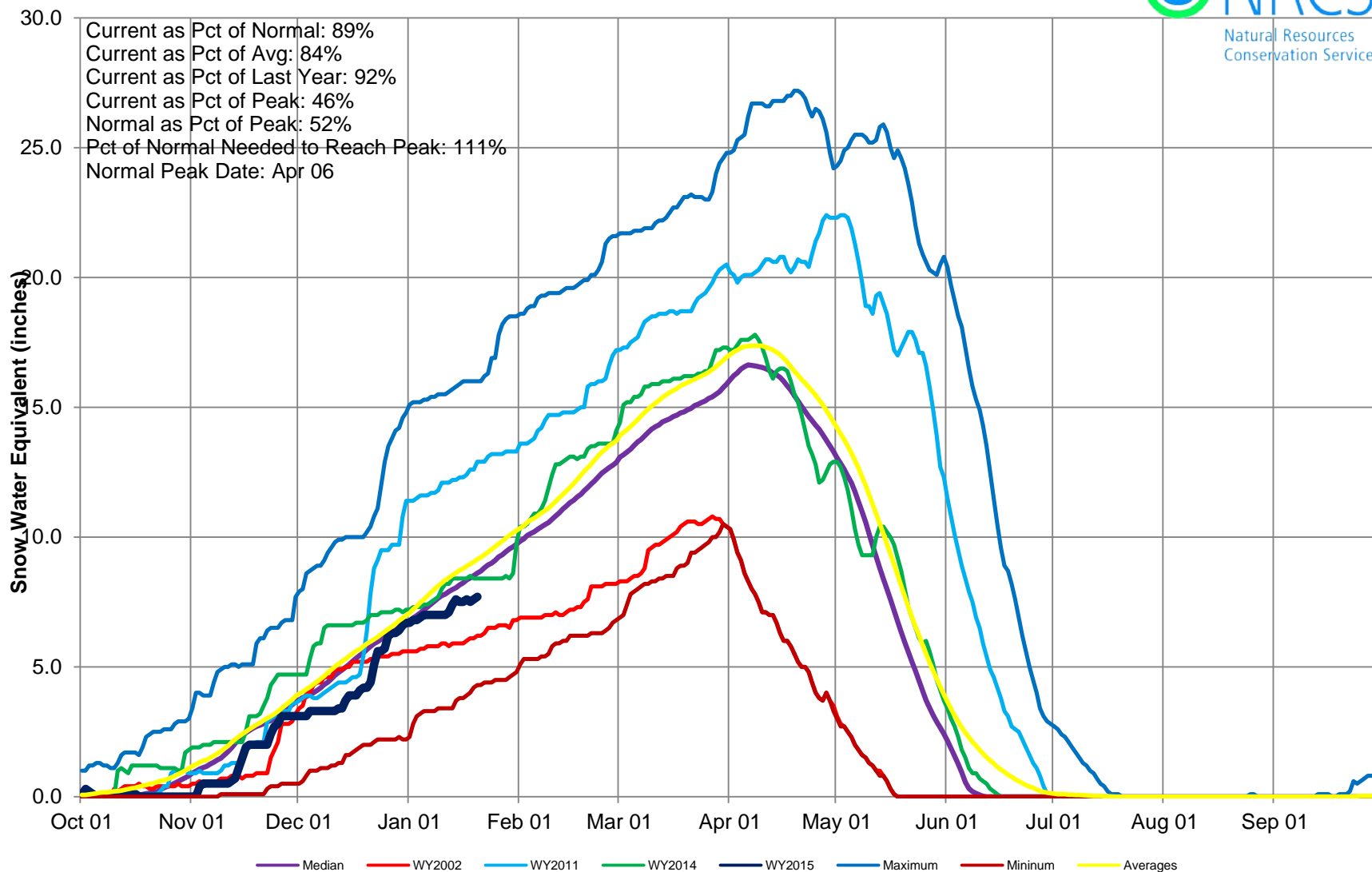
*Provisional Data
Subject to Revision*

Current as of January 1, 2015



Gunnison River Basin High/Low Snowpack Summary

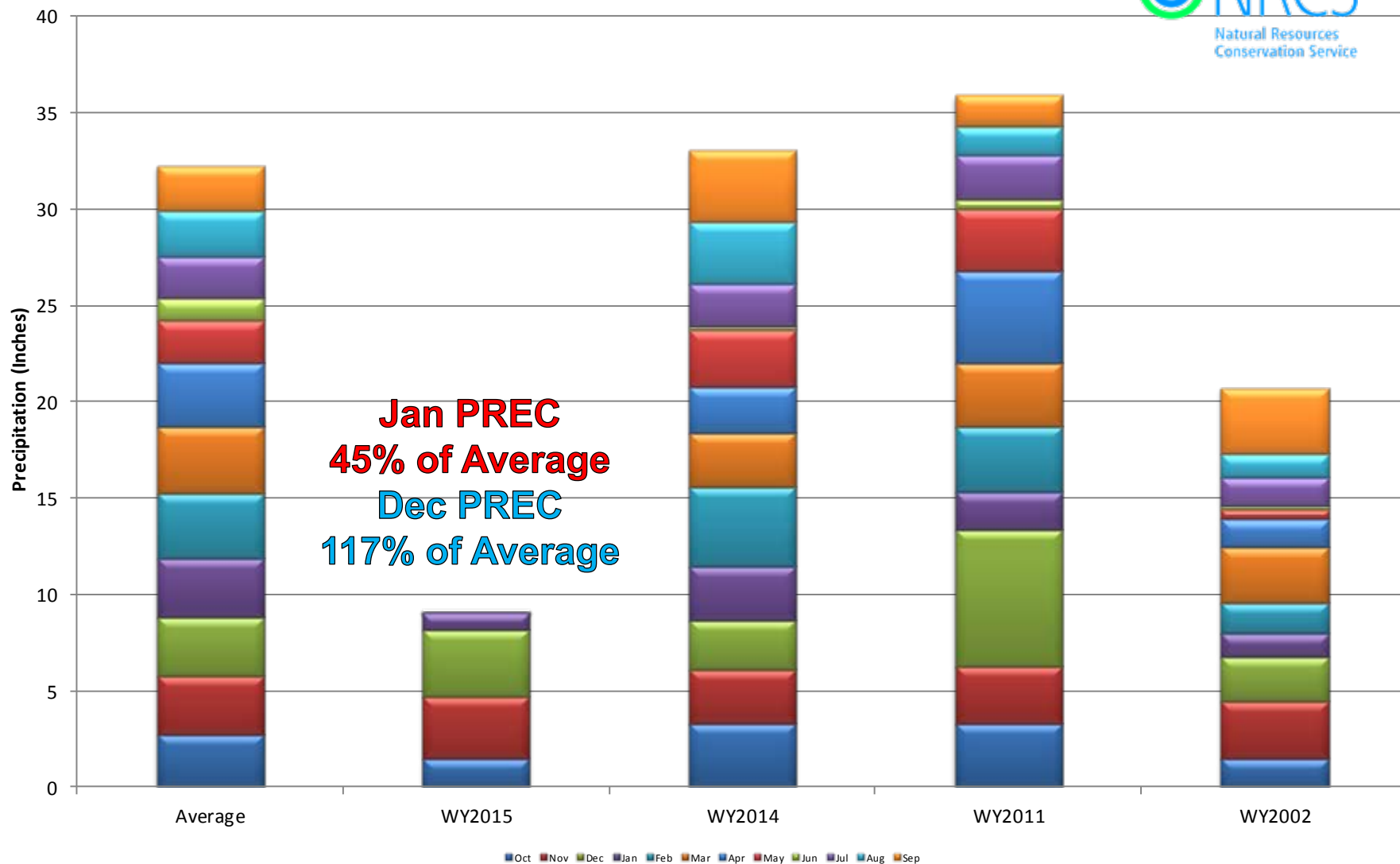
Based on Provisional SNOTEL data as of Jan 20, 2015





Gunnison River Basin High/Low Monthly Precipitation Summary

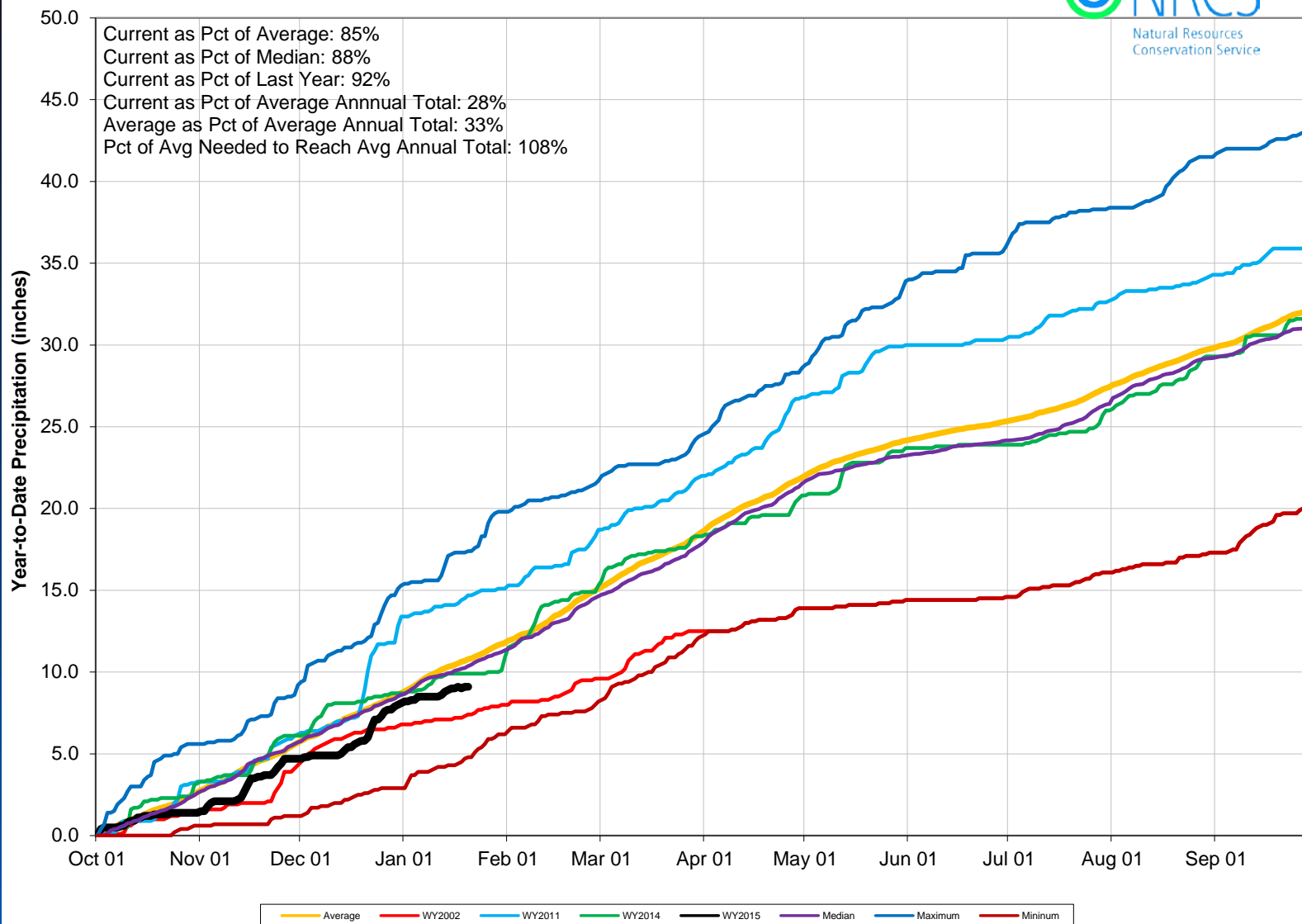
Based on Provisional SNOTEL data as of Jan 20, 2015





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

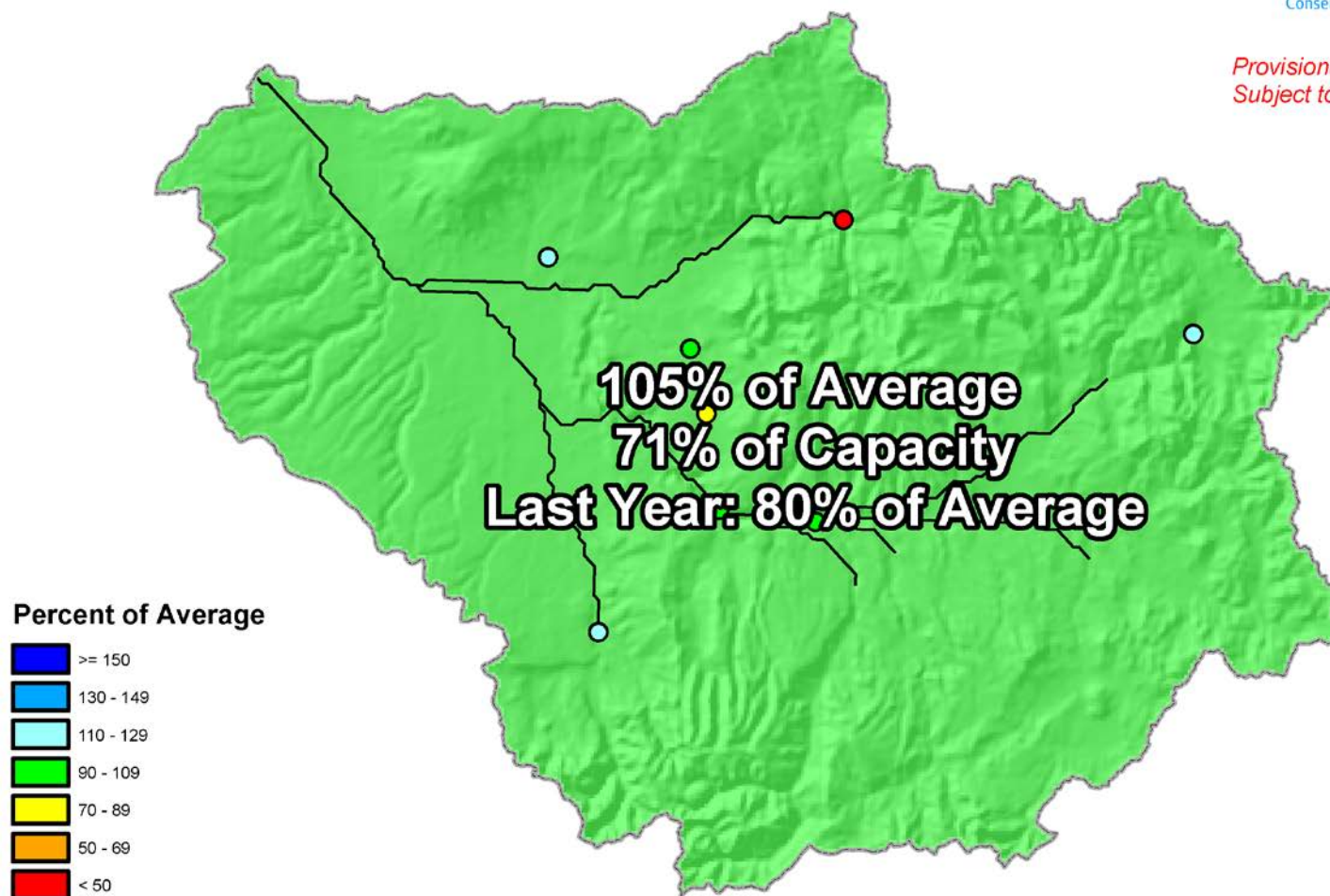
Based on Provisional SNOTEL data as of Jan 20, 2015



Gunnison River Basin Reservoir Storage Map



*Provisional Data
Subject to Revision*



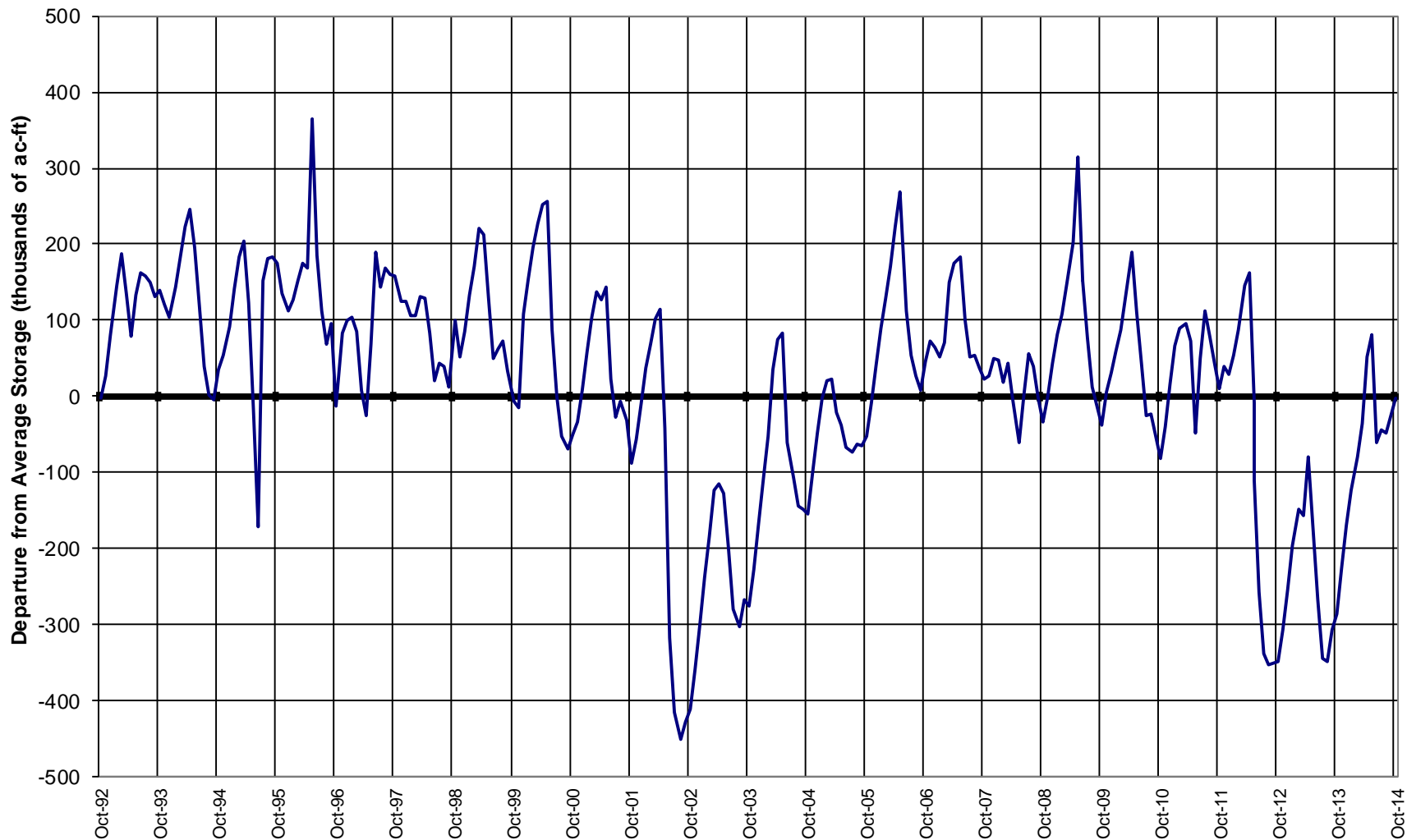
End of December 2014



GUNNISON RIVER BASIN

Reservoir Storage

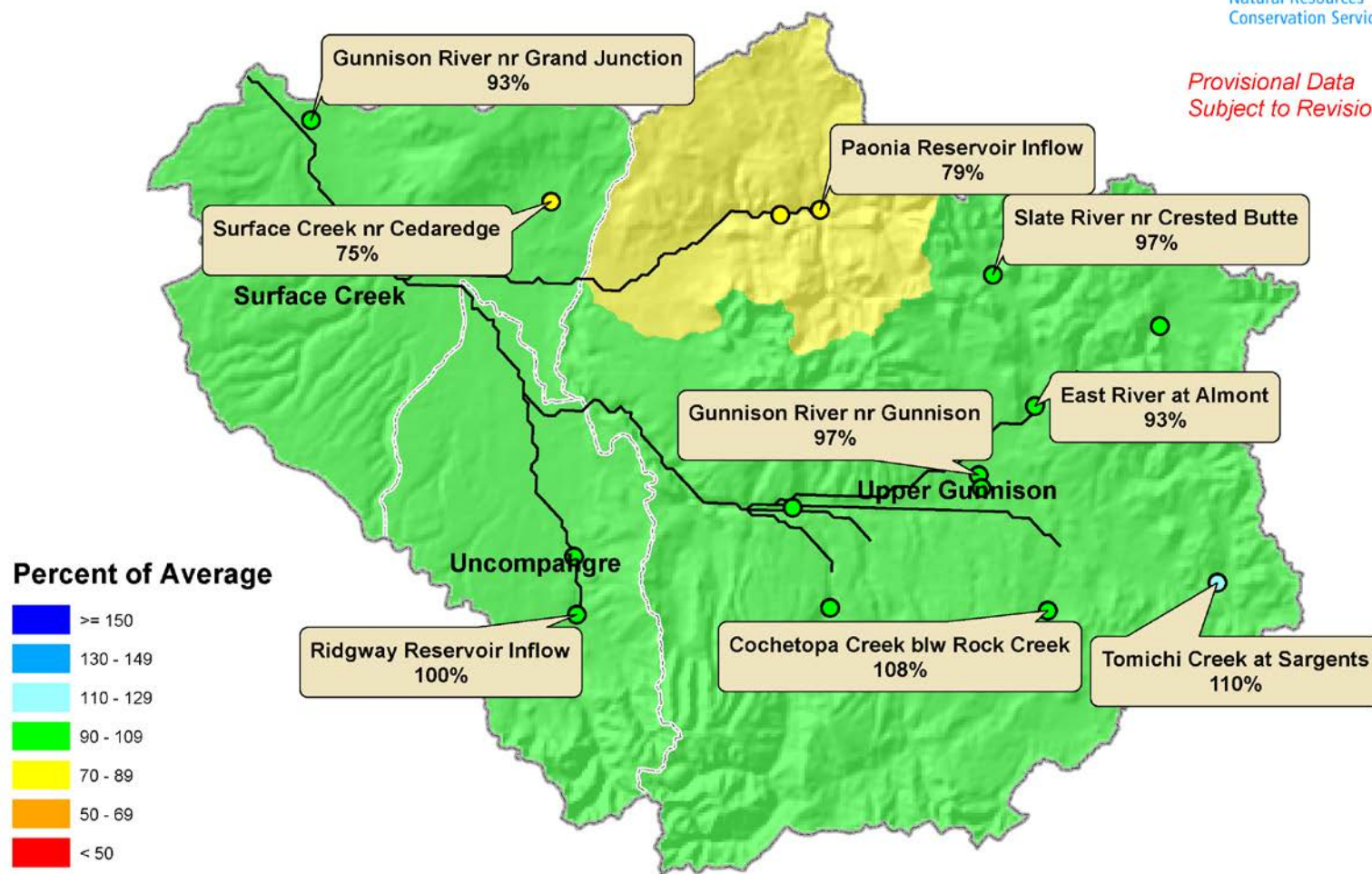
Departure from Average



Gunnison River Basin Streamflow Forecast Map

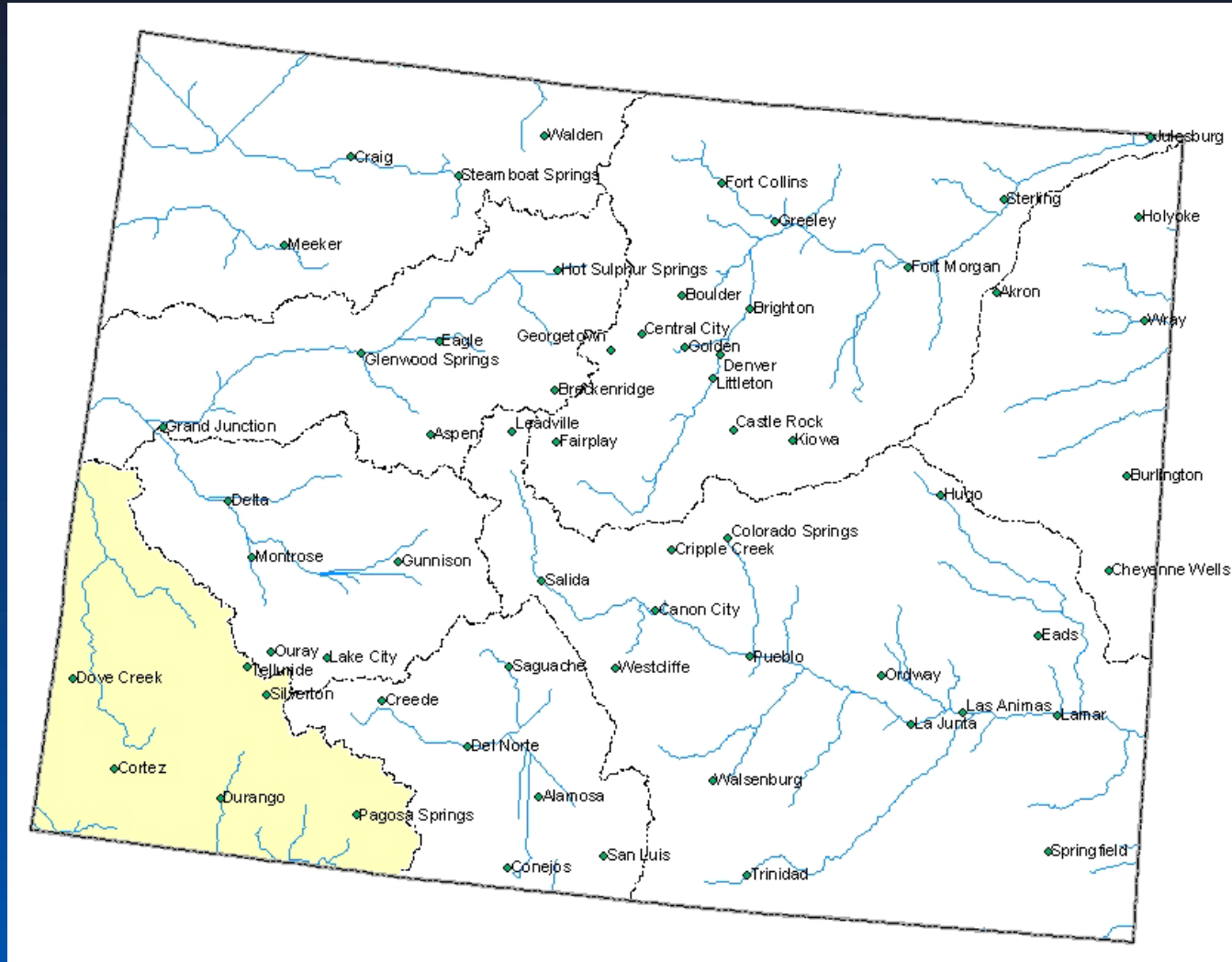


*Provisional Data
Subject to Revision*



Current as of January 1, 2015

San Miguel, Dolores, Animas & San Juan River Basins Summary

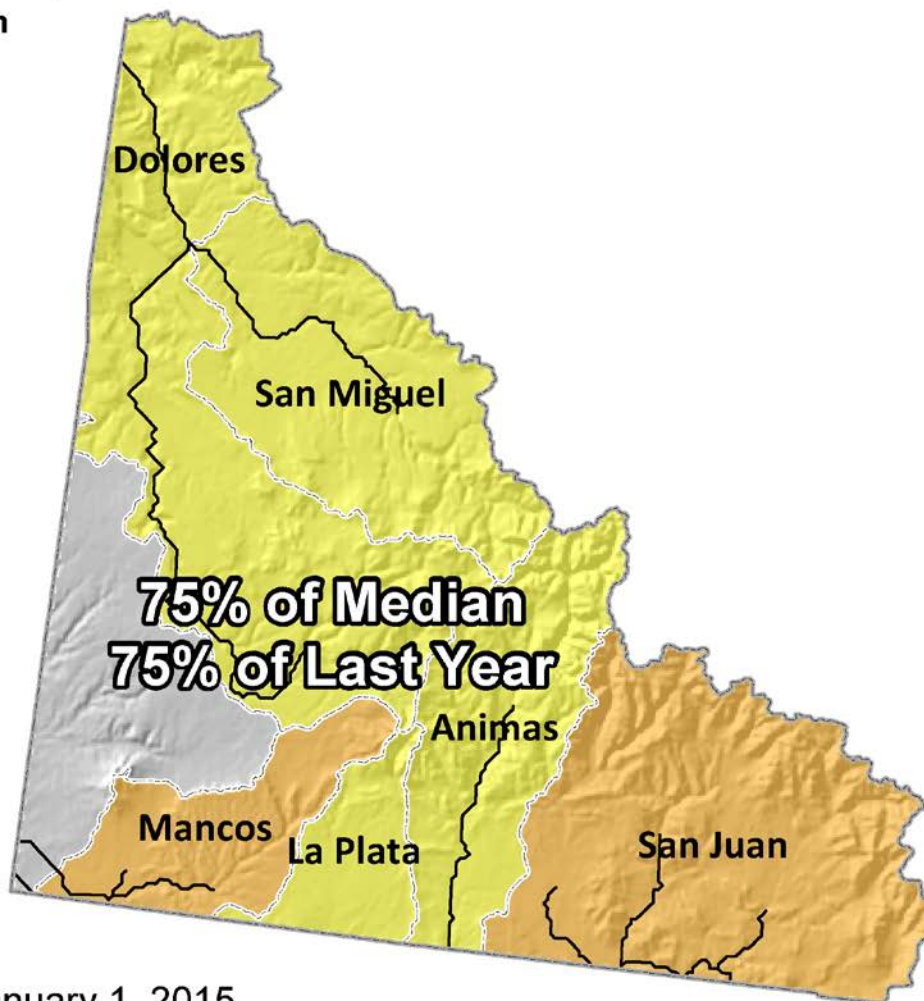


San Miguel, Dolores, Animas and San Juan River Basins Snowpack Map



*Provisional Data
Subject to Revision*

Percent of Median

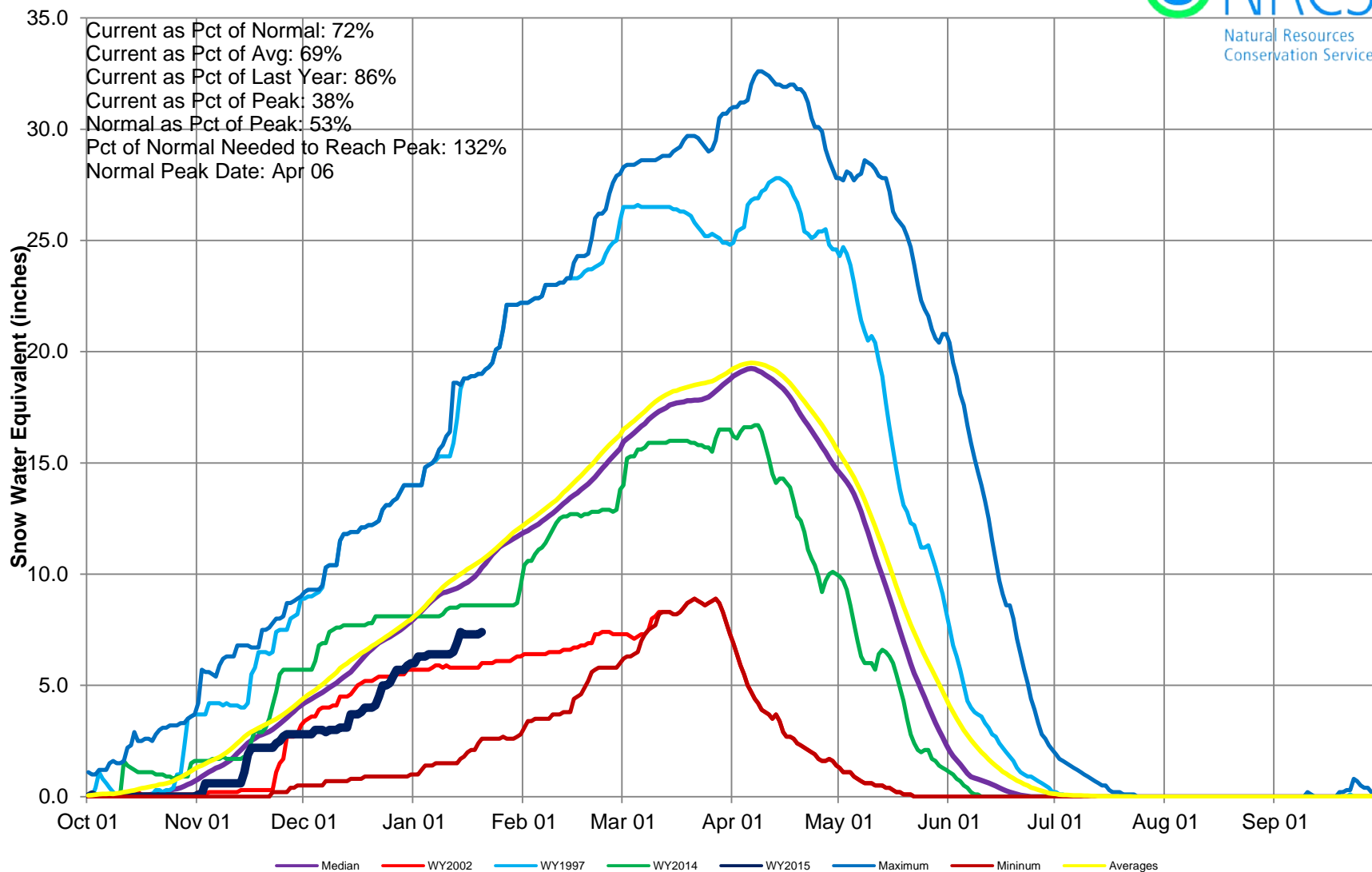


Current as of January 1, 2015

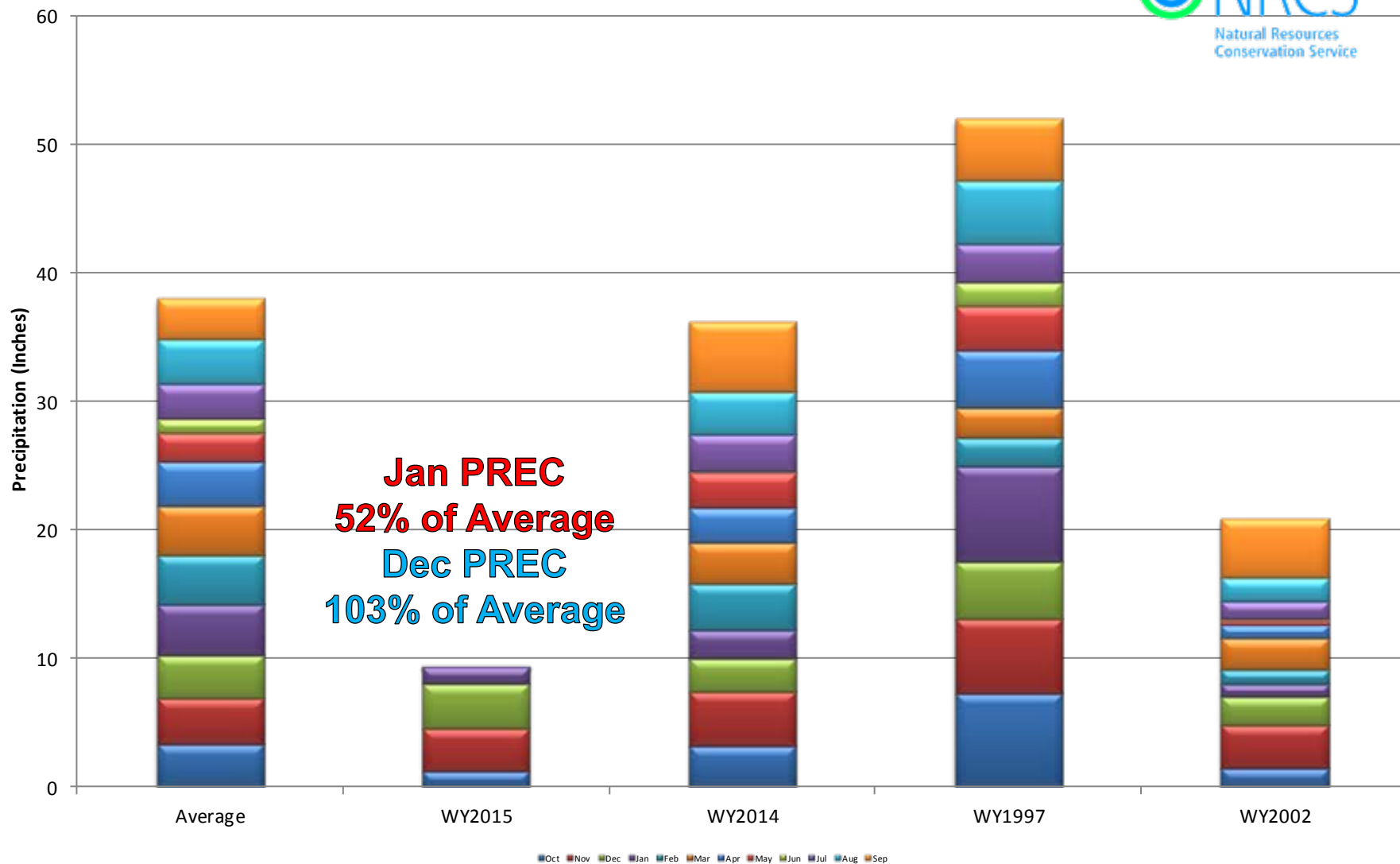


San Miguel, Dolores, Animas and San Juan River Basins High/Low Snowpack Summary

Based on Provisional SNOTEL data as of Jan 20, 2015



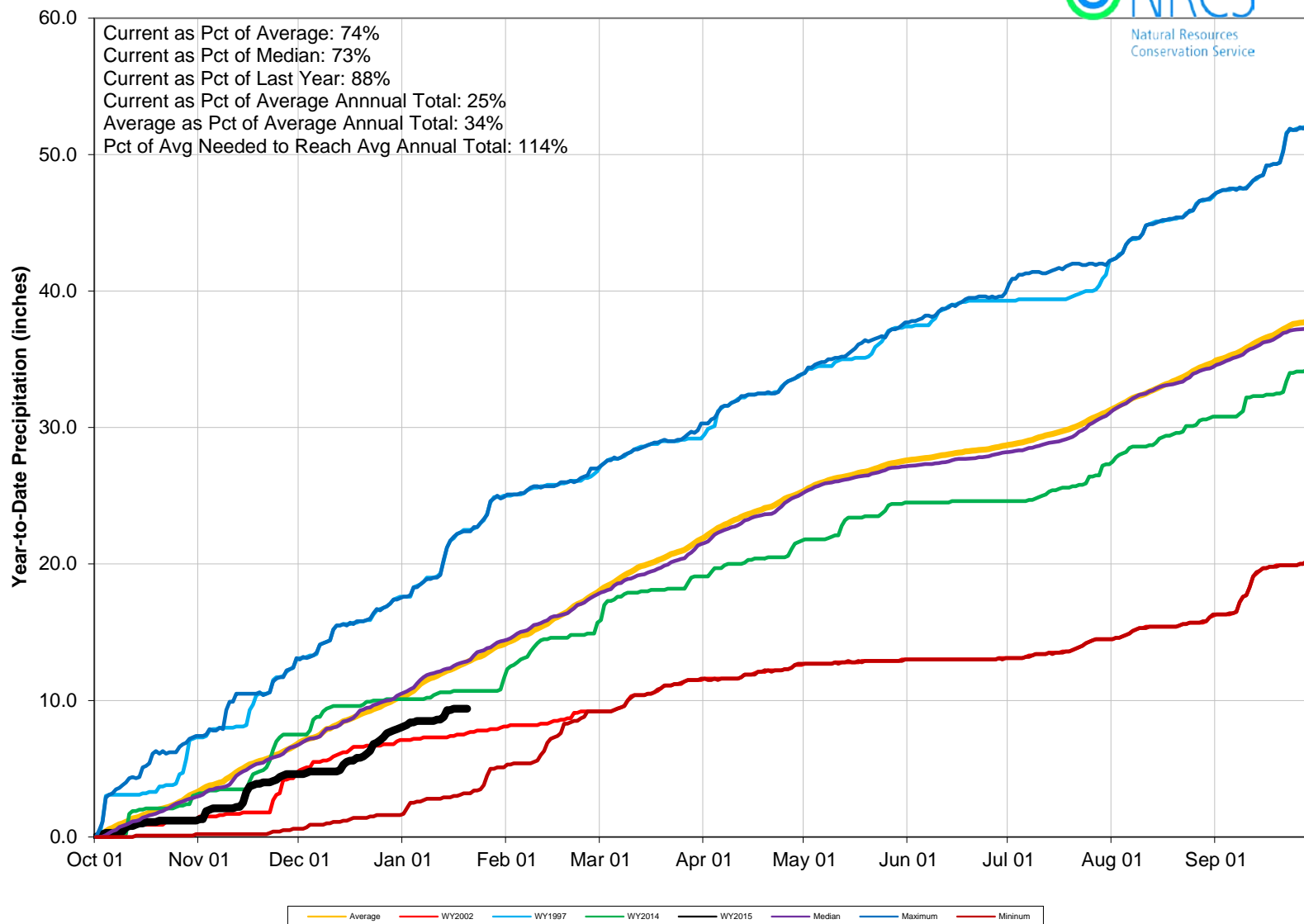
San Miguel, Dolores, Animas & San Juan River Basins High/Low Monthly Precipitation Summary





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

Based on Provisional SNOTEL data as of Jan 20, 2015

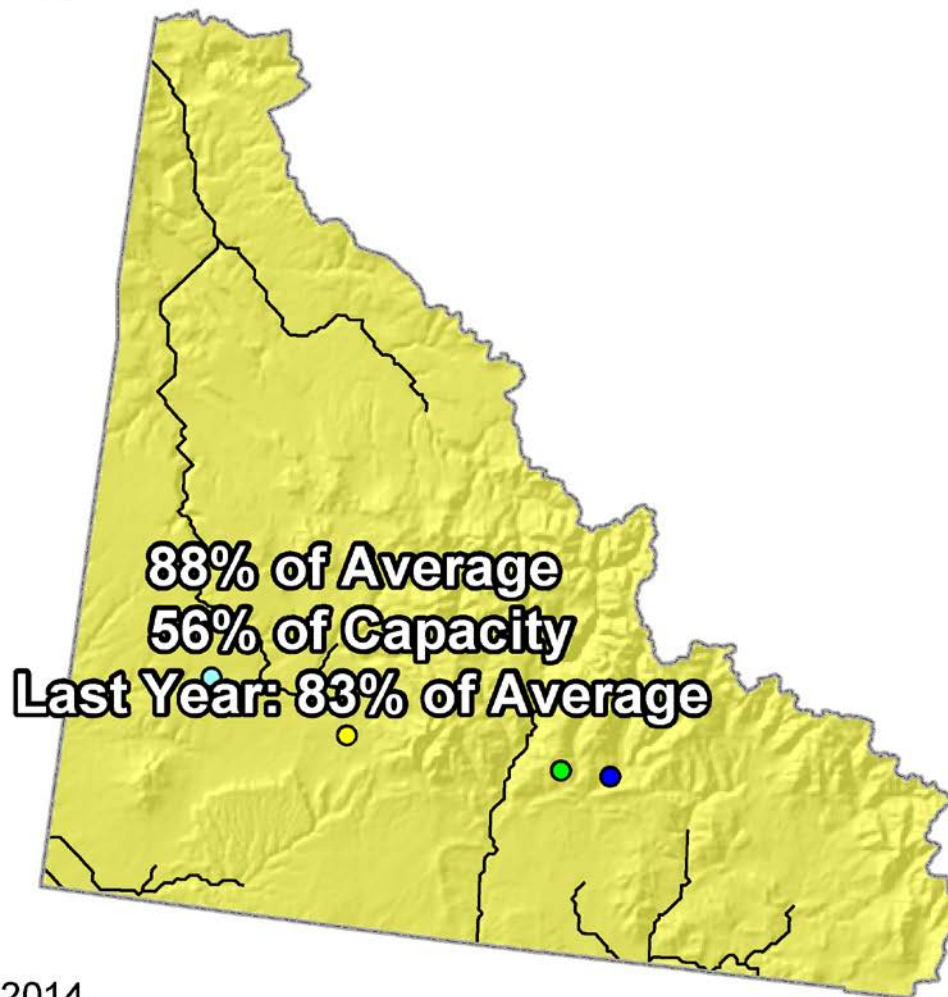
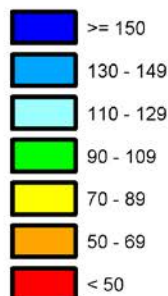


San Miguel, Dolores, Animas and San Juan River Basins Reservoir Storage Map



*Provisional Data
Subject to Revision*

Percent of Average

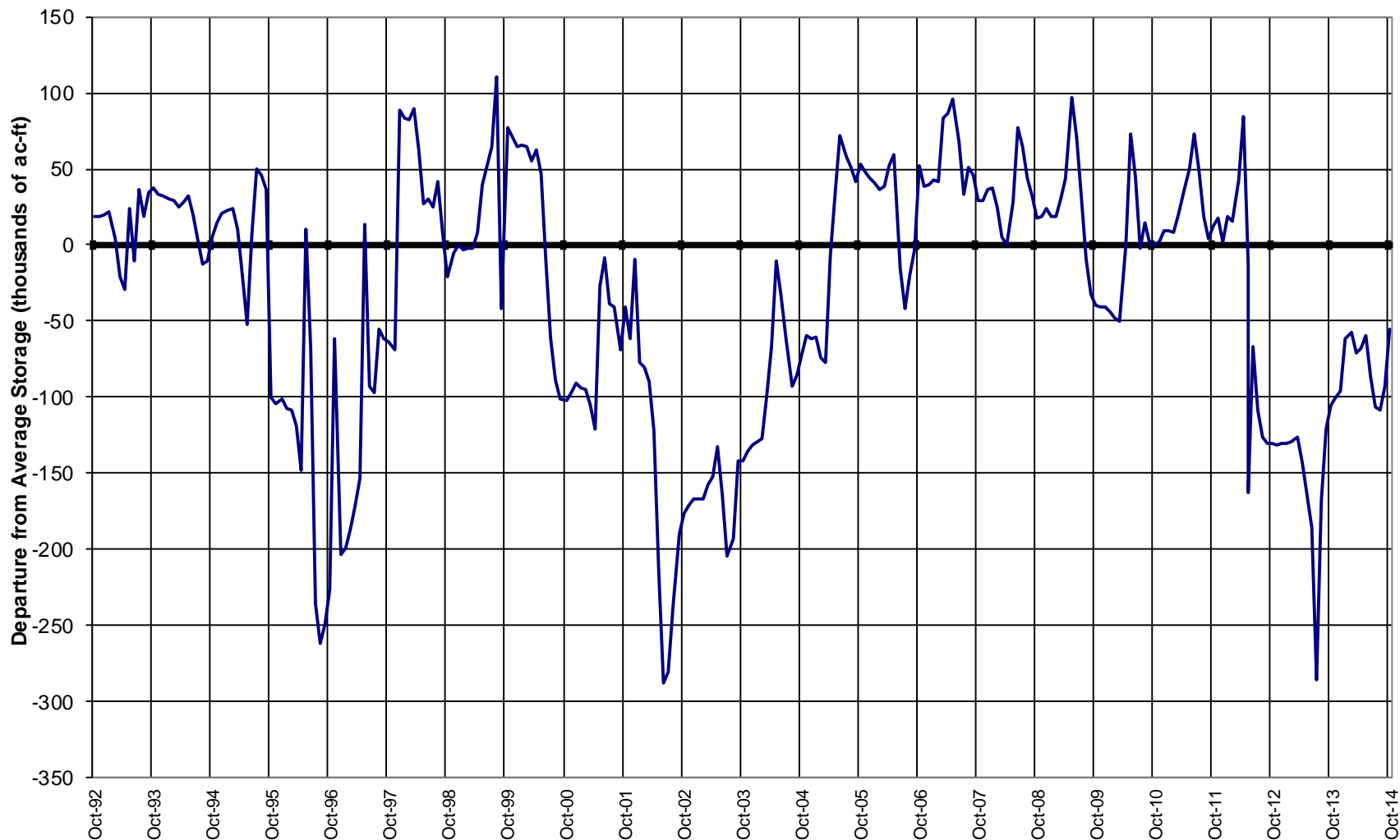


End of December 2014



SAN MIGUEL, DOLORES, ANIMAS AND SAN JUAN RIVER BASINS

Reservoir Storage
Departure from Average

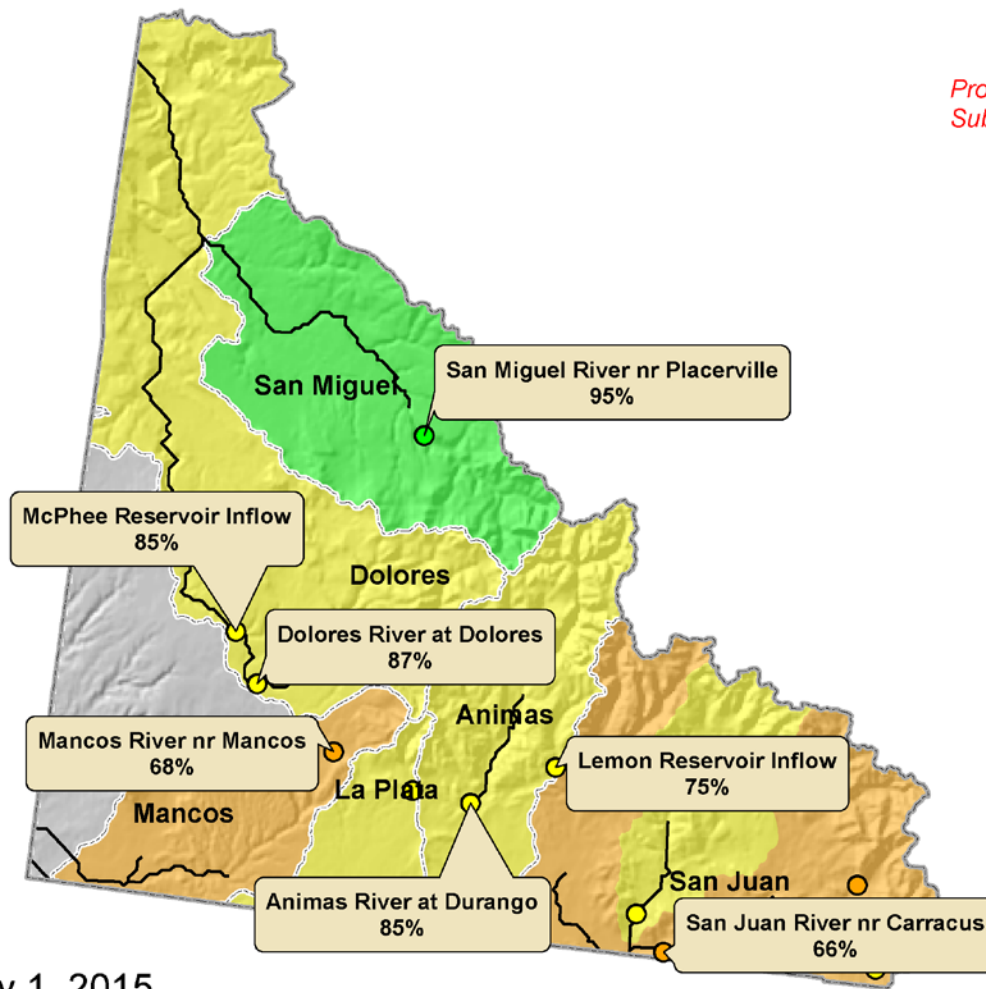
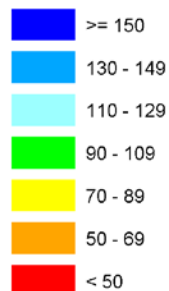


San Miguel, Dolores, Animas and San Juan River Basins Streamflow Forecast Map



*Provisional Data
Subject to Revision*

Percent of Average



Current as of January 1, 2015

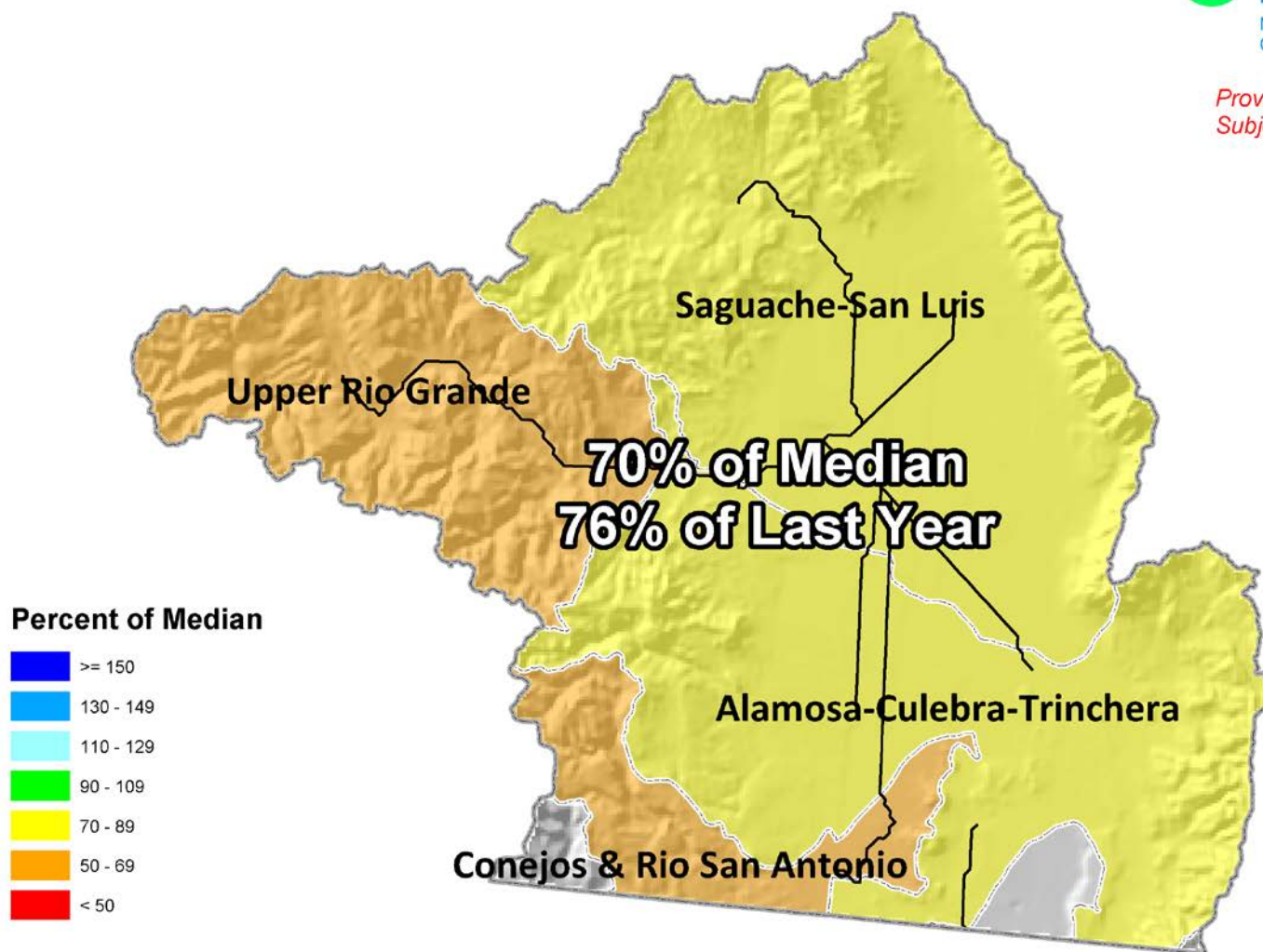
Upper Rio Grande Basin Summary



Upper Rio Grande Basin Snowpack Map



*Provisional Data
Subject to Revision*

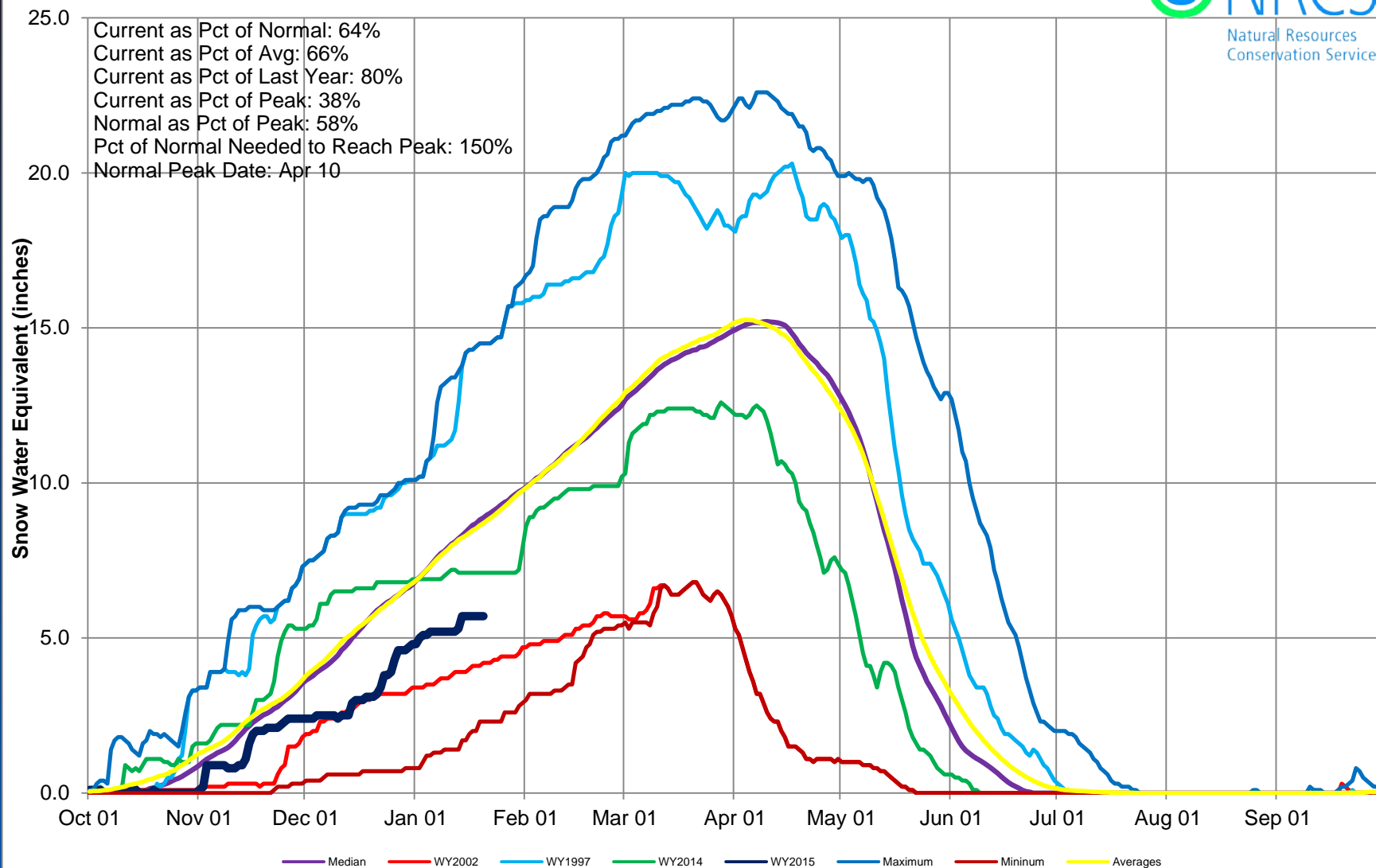


Current as of January 1, 2015



Upper Rio Grande Basin High/Low Snowpack Summary

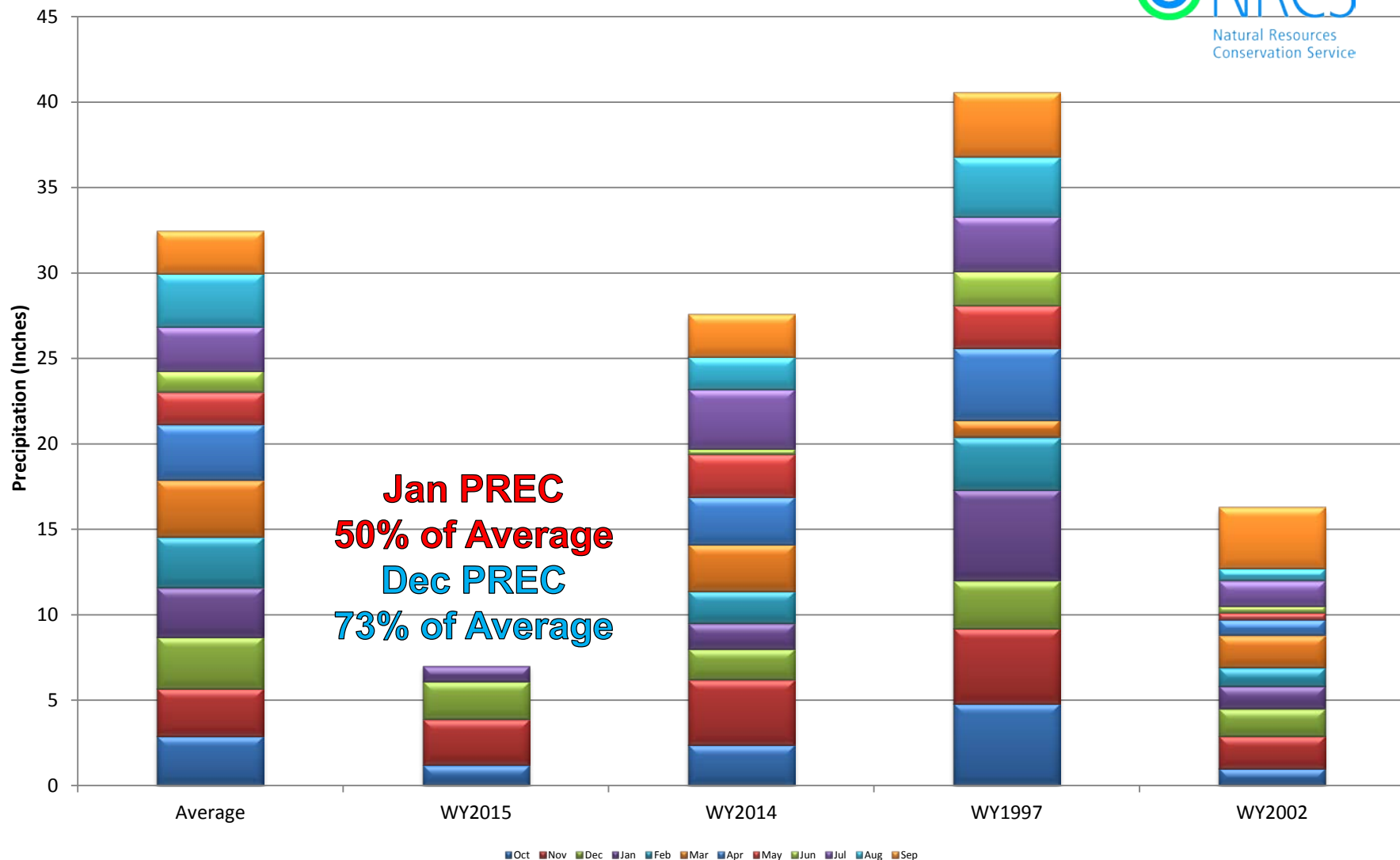
Based on Provisional SNOTEL data as of Jan 20, 2015





Upper Rio Grande Basin High/Low Monthly Precipitation Summary

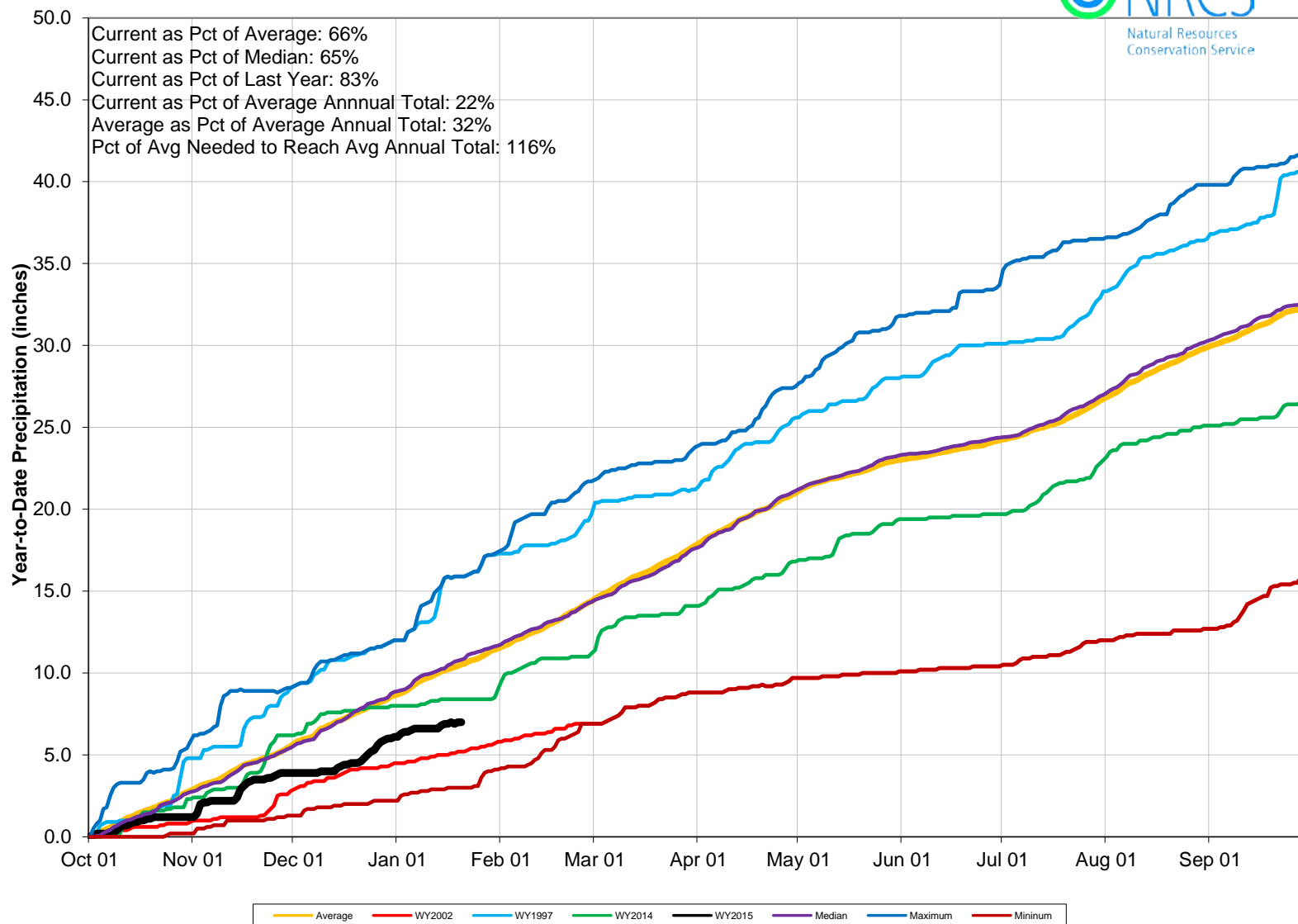
Based on Provisional SNOTEL data as of Jan 20, 2015





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

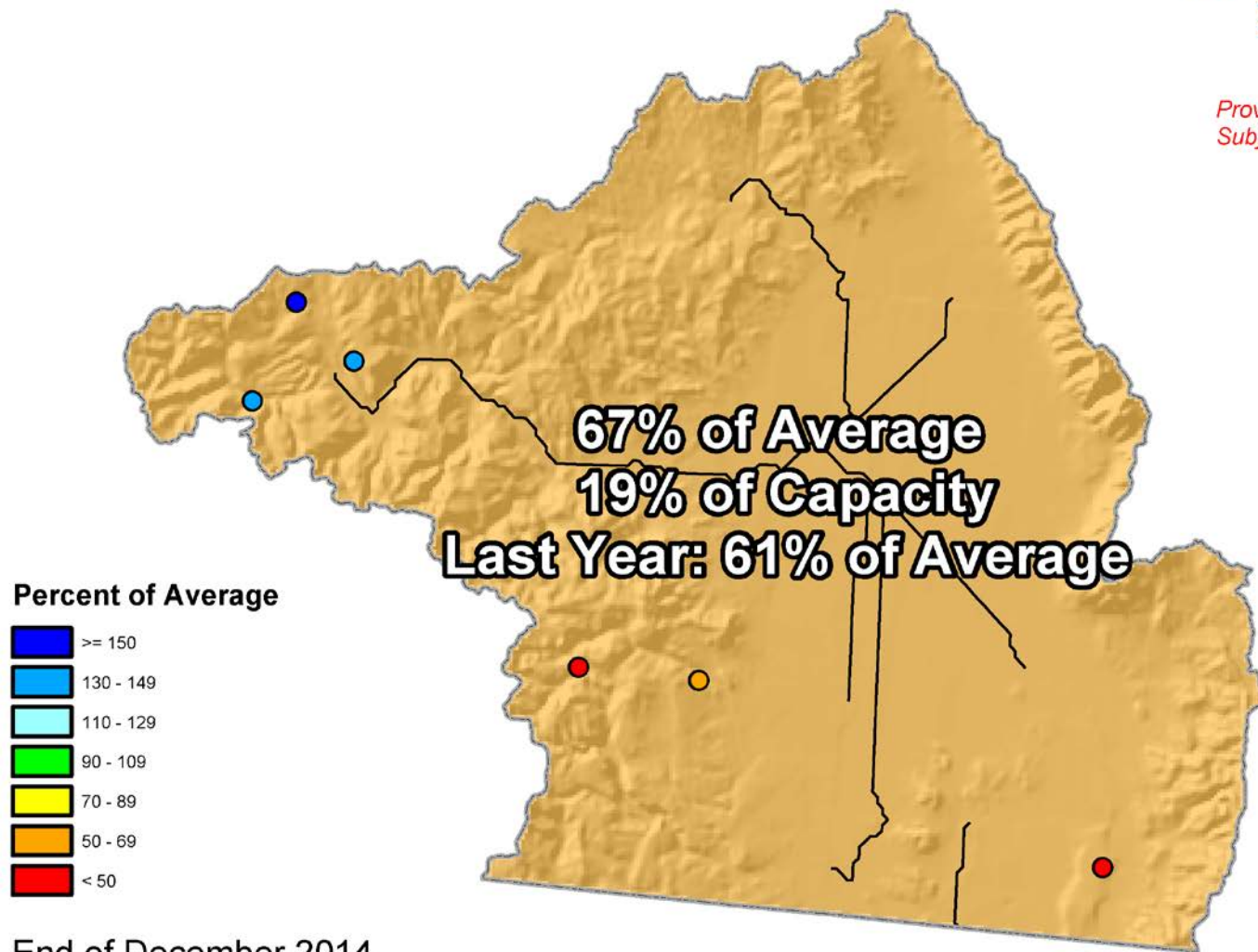
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Upper Rio Grande Basin Reservoir Storage Map



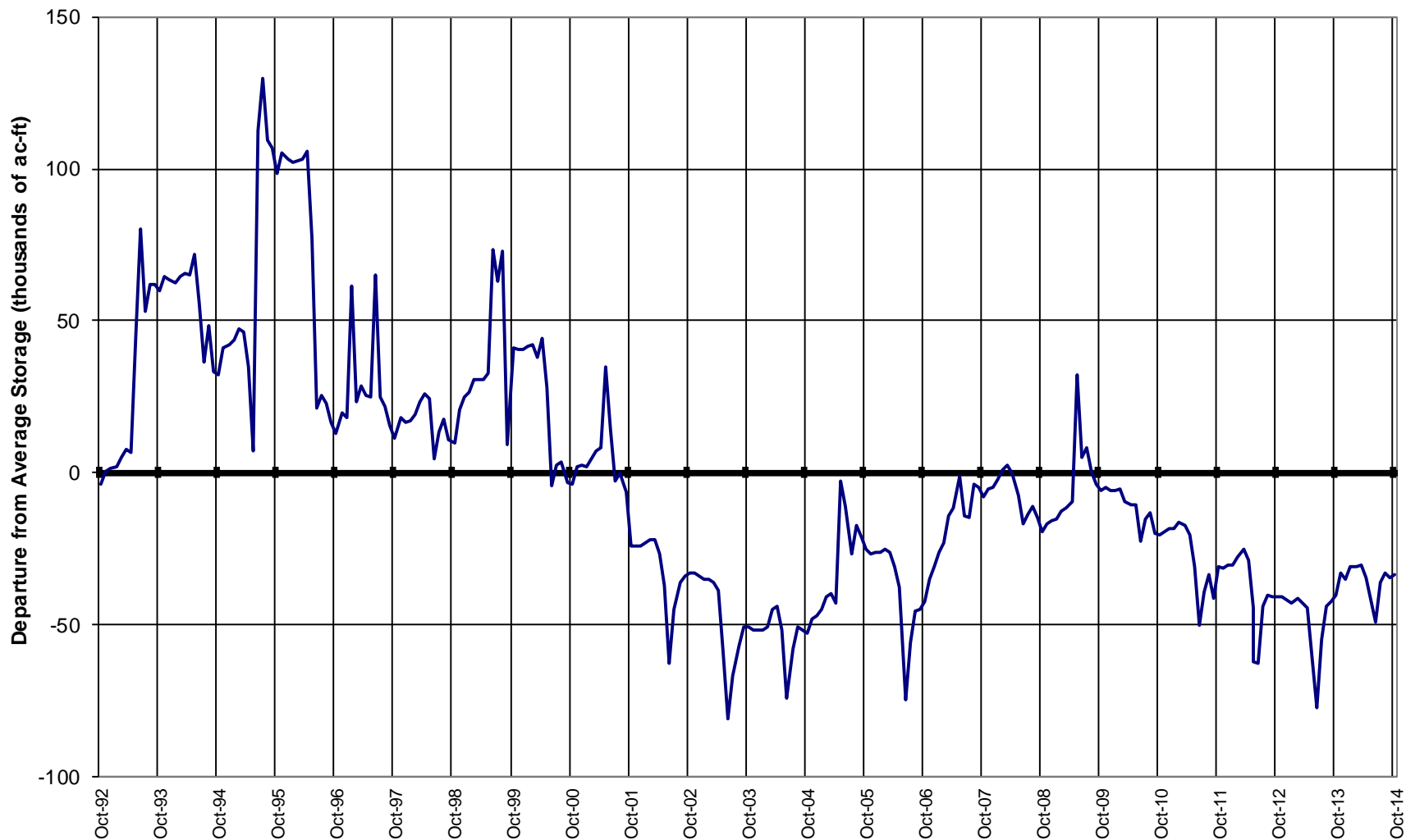
*Provisional Data
Subject to Revision*



End of December 2014



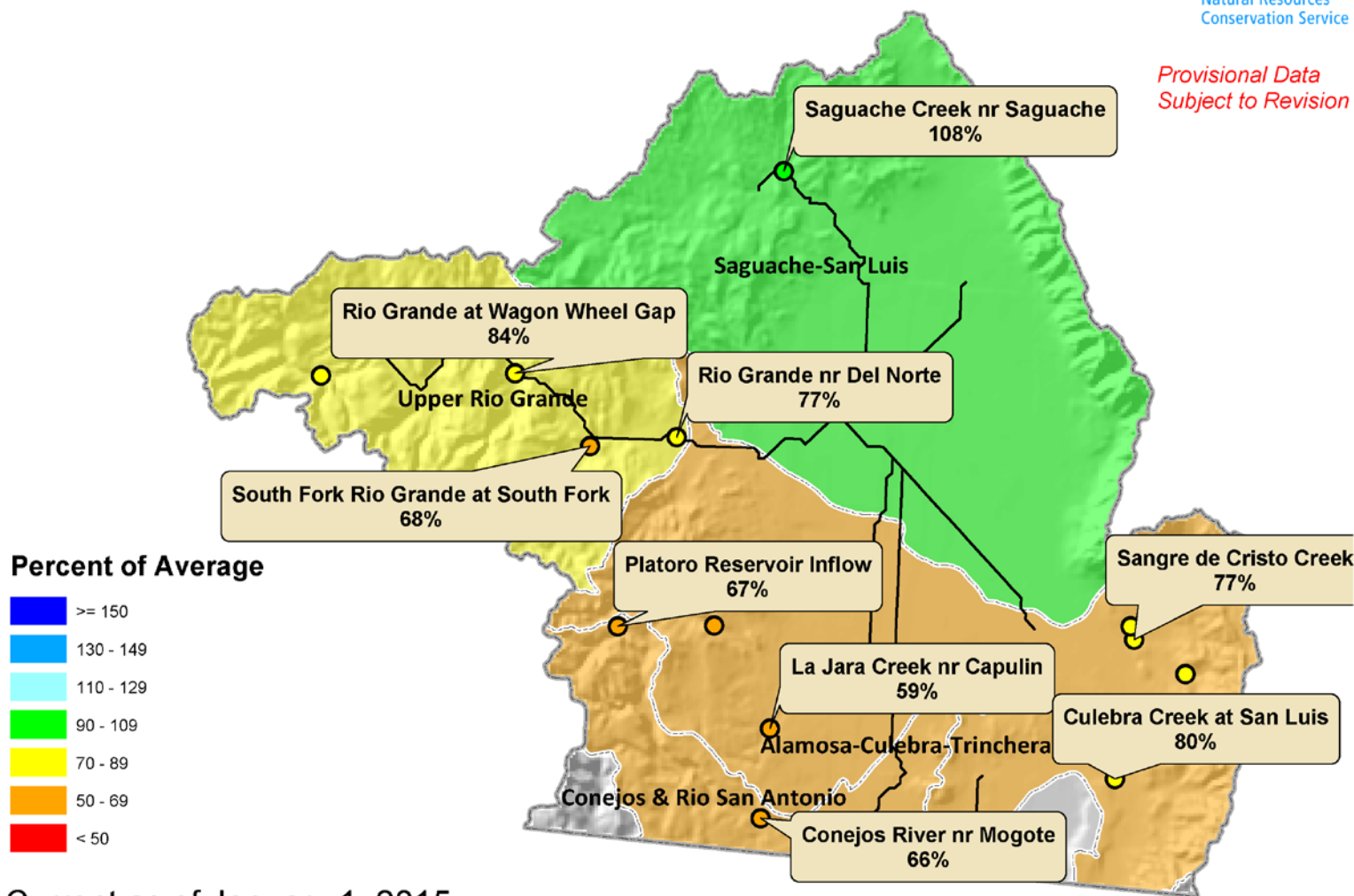
UPPER RIO GRANDE BASIN Reservoir Storage Departure from Average



Upper Rio Grande Basin Streamflow Forecast Map



*Provisional Data
Subject to Revision*



Current as of January 1, 2015

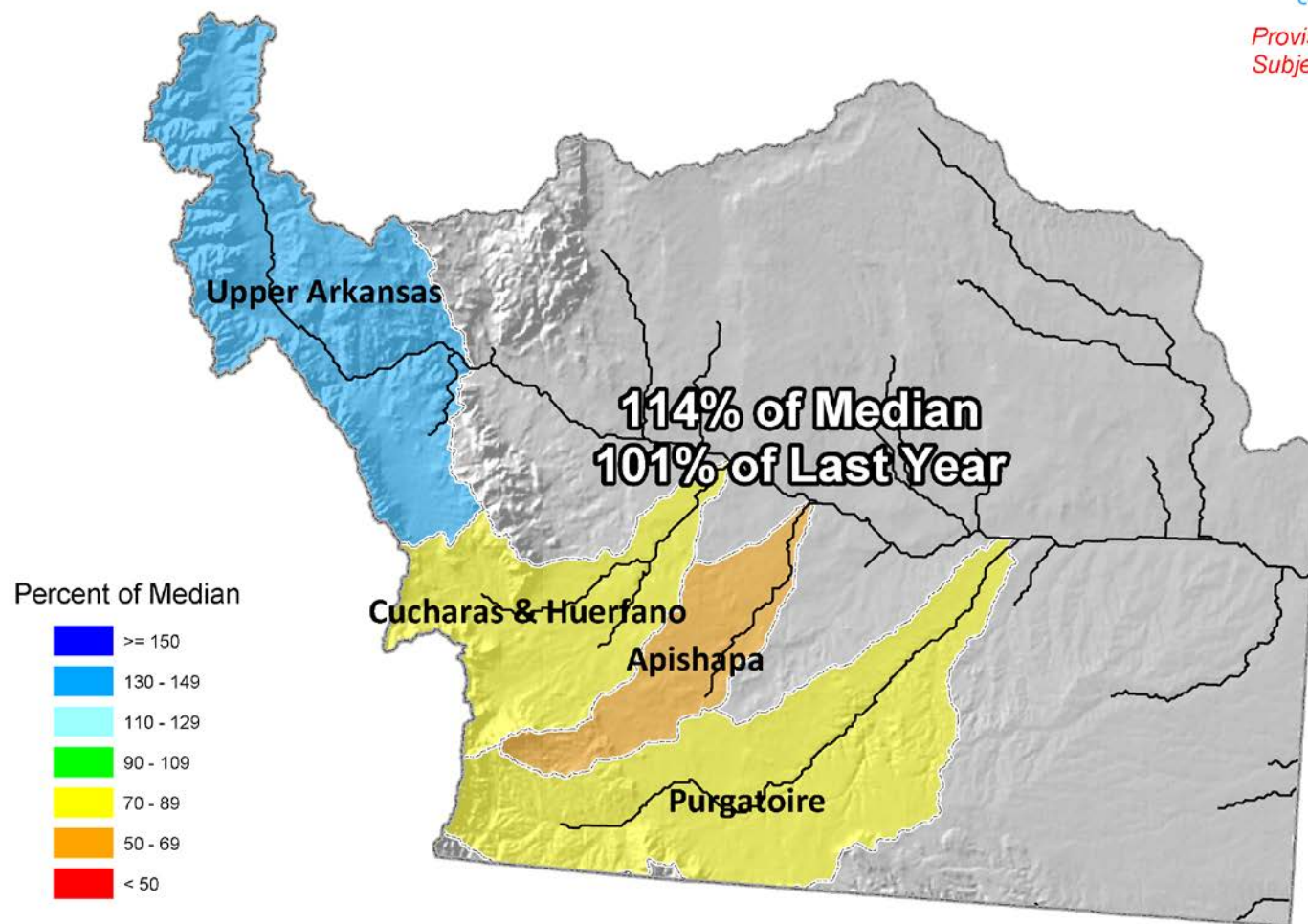
Arkansas River Basin Summary



Arkansas River Basin Snowpack Map



*Provisional Data
Subject to Revision*

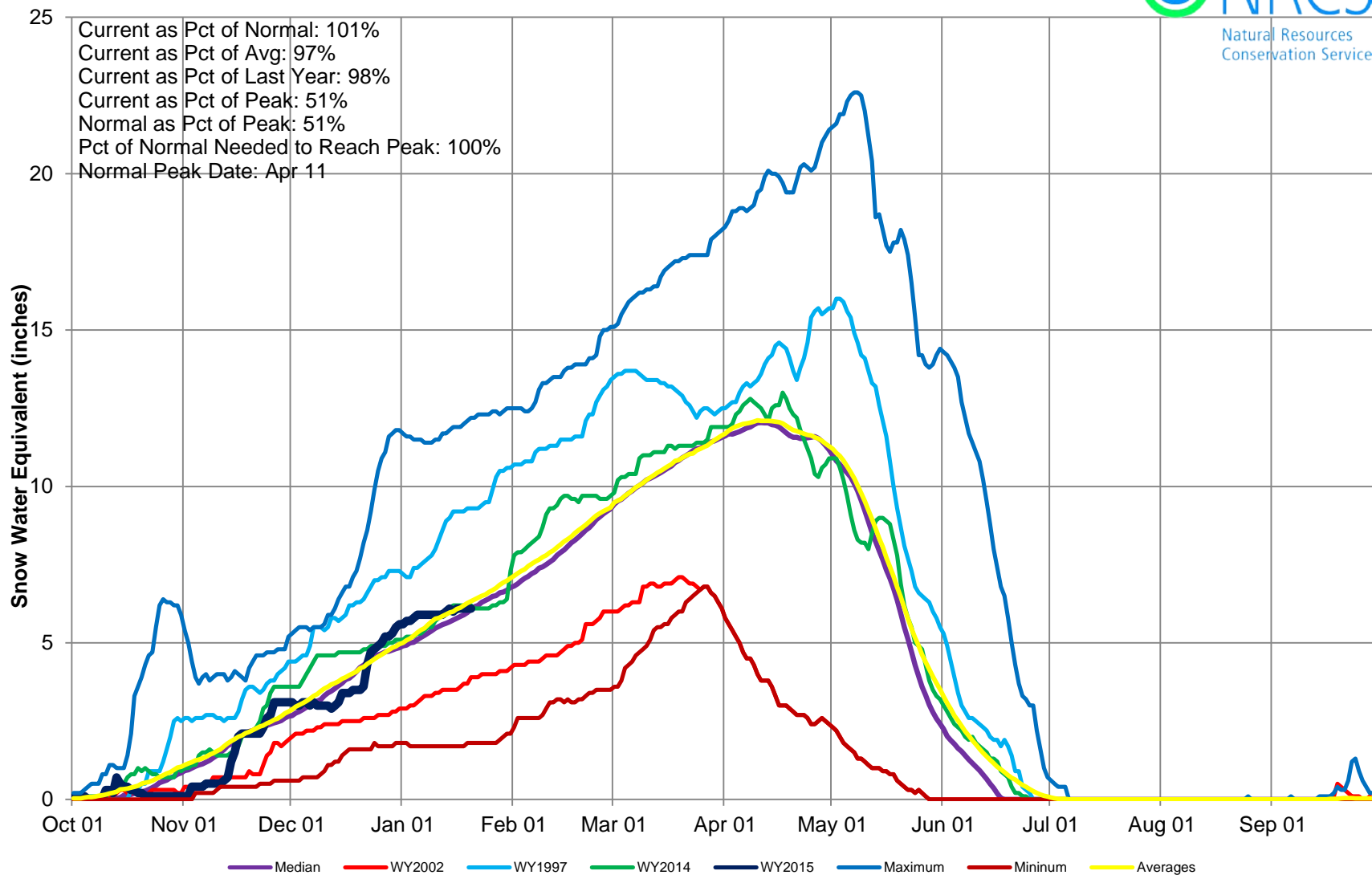


Current as of January 1, 2015



Arkansas River Basin High/Low Snowpack Summary

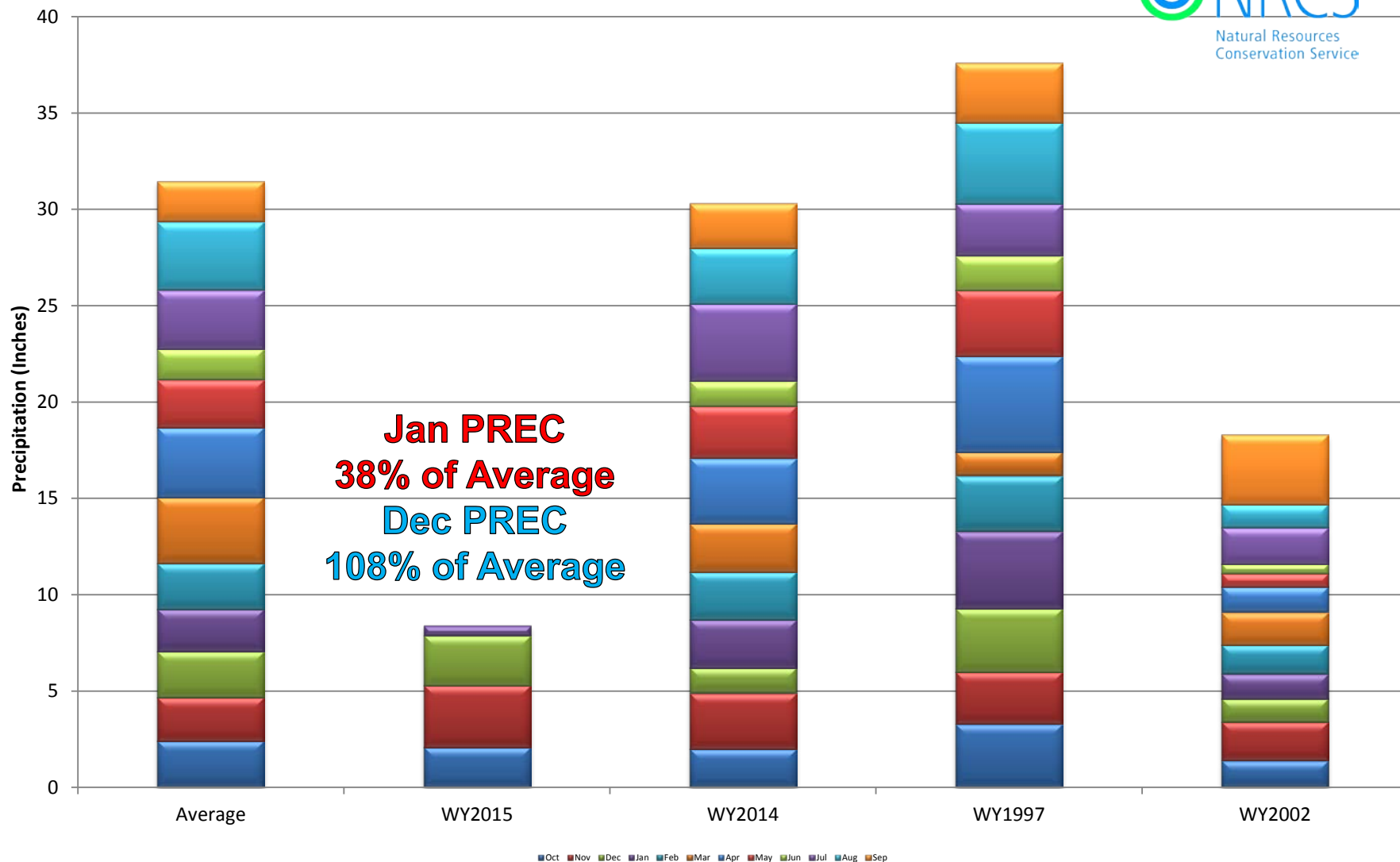
Based on Provisional SNOTEL data as of Jan 20, 2015





Arkansas River Basin High/Low Monthly Precipitation Summary

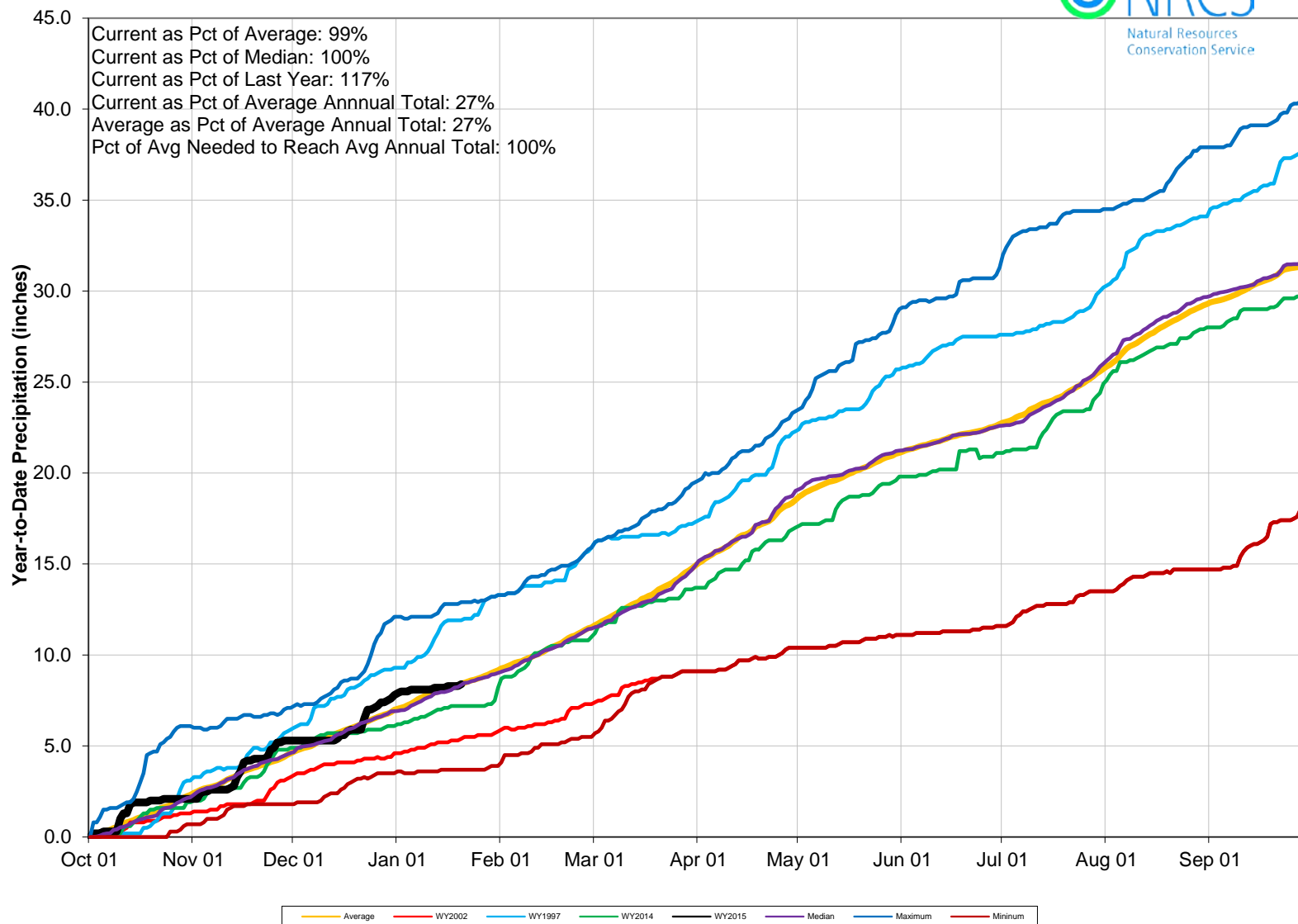
Based on Provisional SNOTEL data as of Jan 20, 2015





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

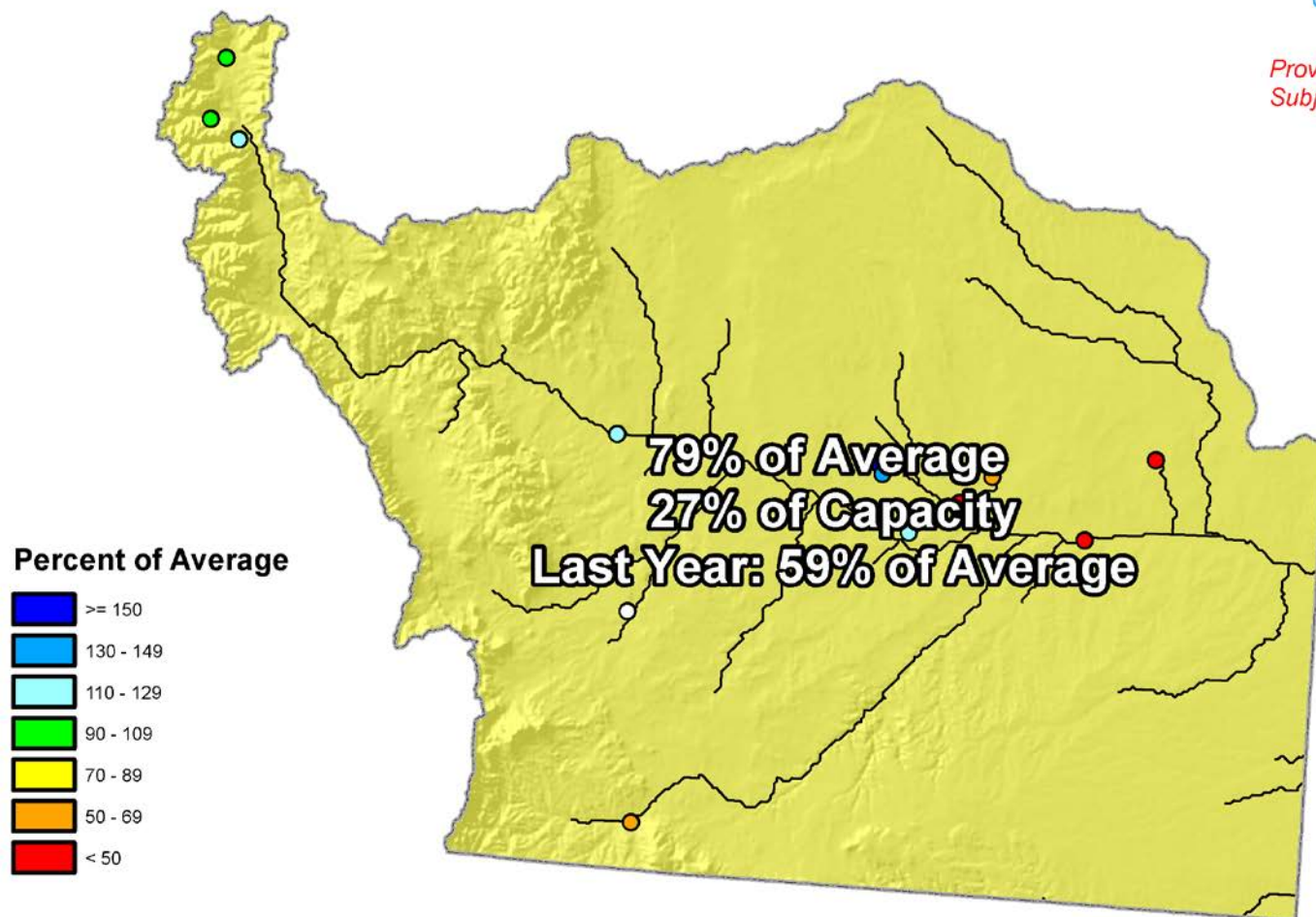
Based on Provisional SNOTEL data as of Jan 20, 2015



Arkansas River Basin Reservoir Storage Map



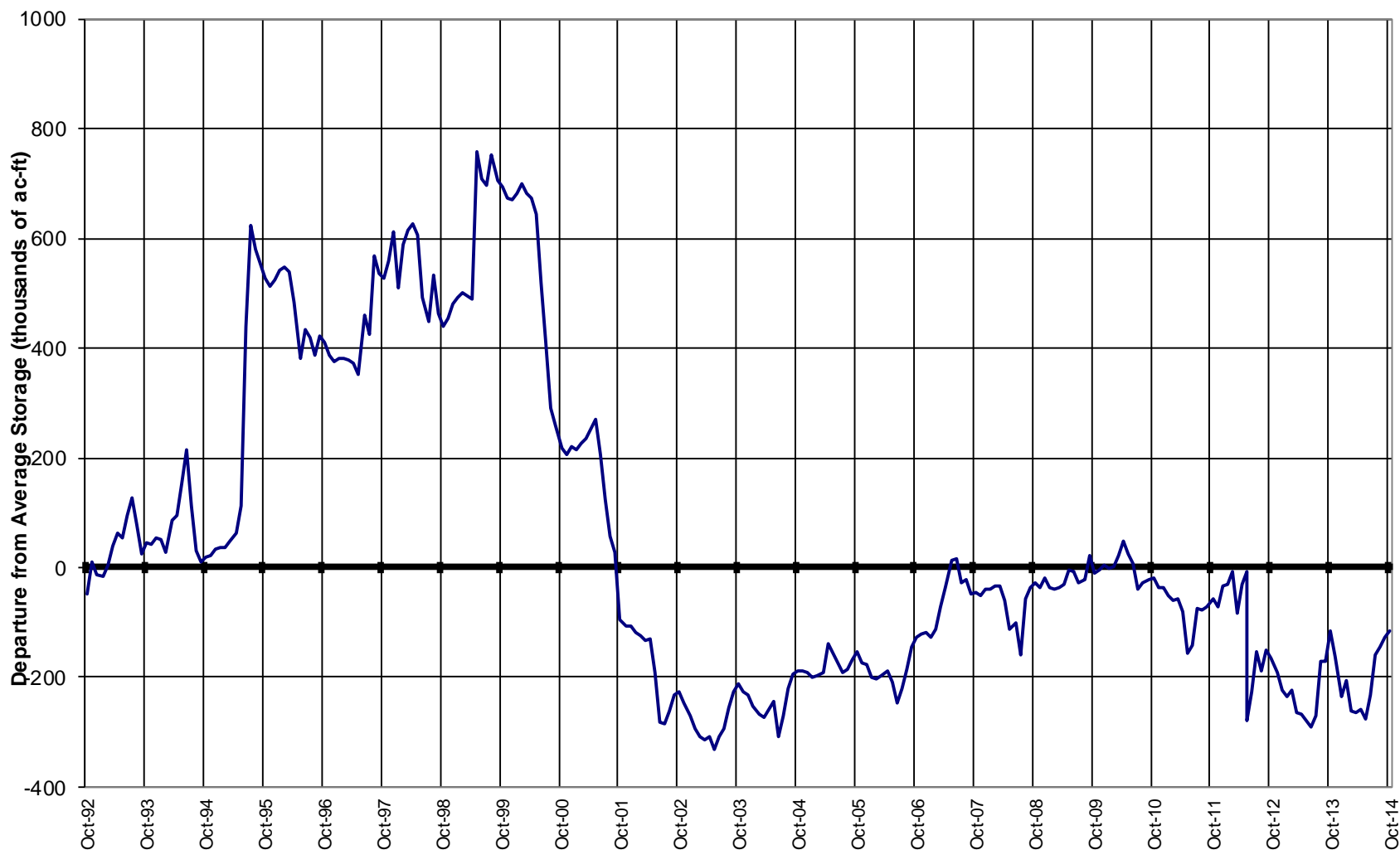
*Provisional Data
Subject to Revision*



End of December 2014



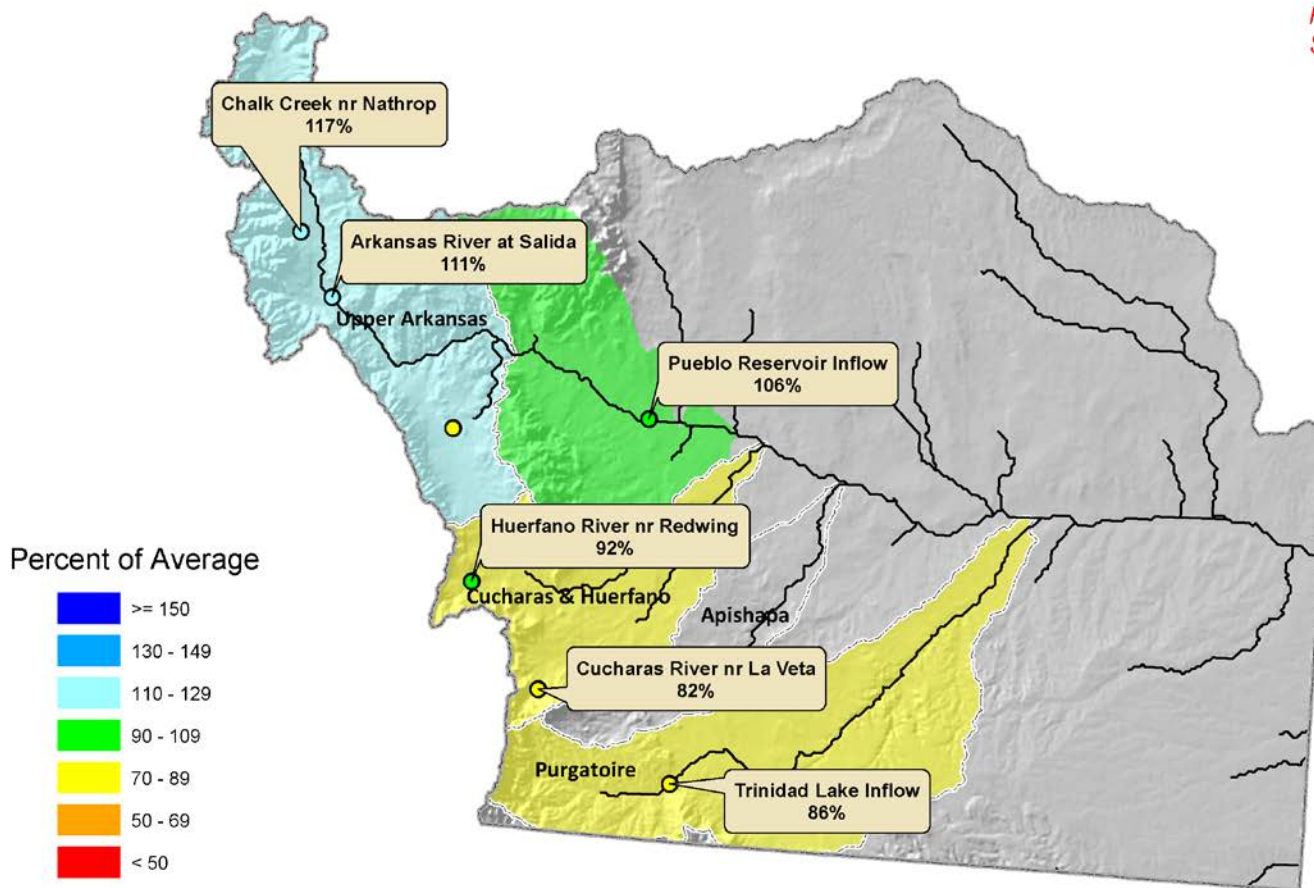
ARKANSAS RIVER BASIN Reservoir Storage Departure from Average



Arkansas River Basin Streamflow Forecast Map



*Provisional Data
Subject to Revision*



Current as of January 1, 2015

Colorado Statewide Summary



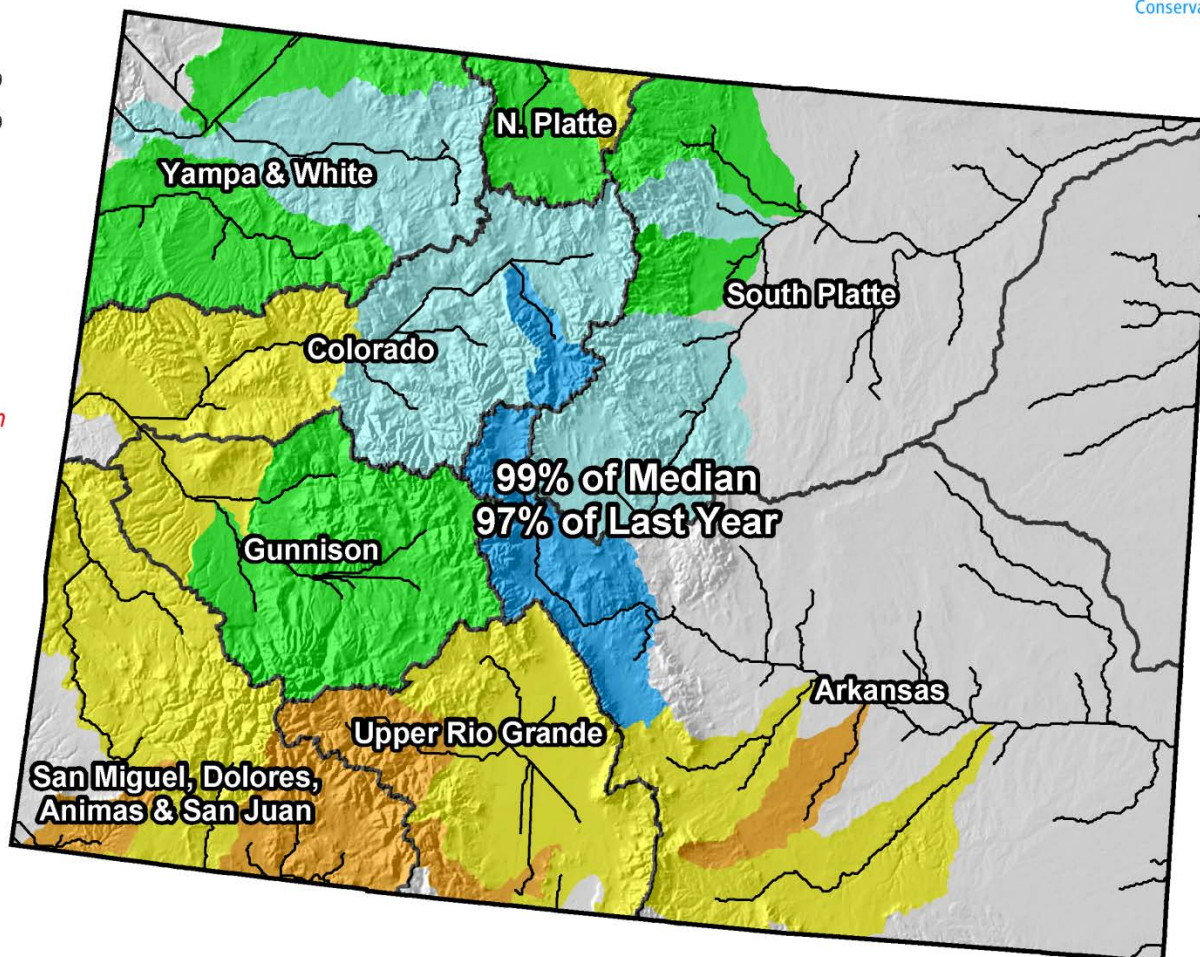
Colorado Snowpack Map



Percent of Median



*Provisional Data
Subject to Revision*

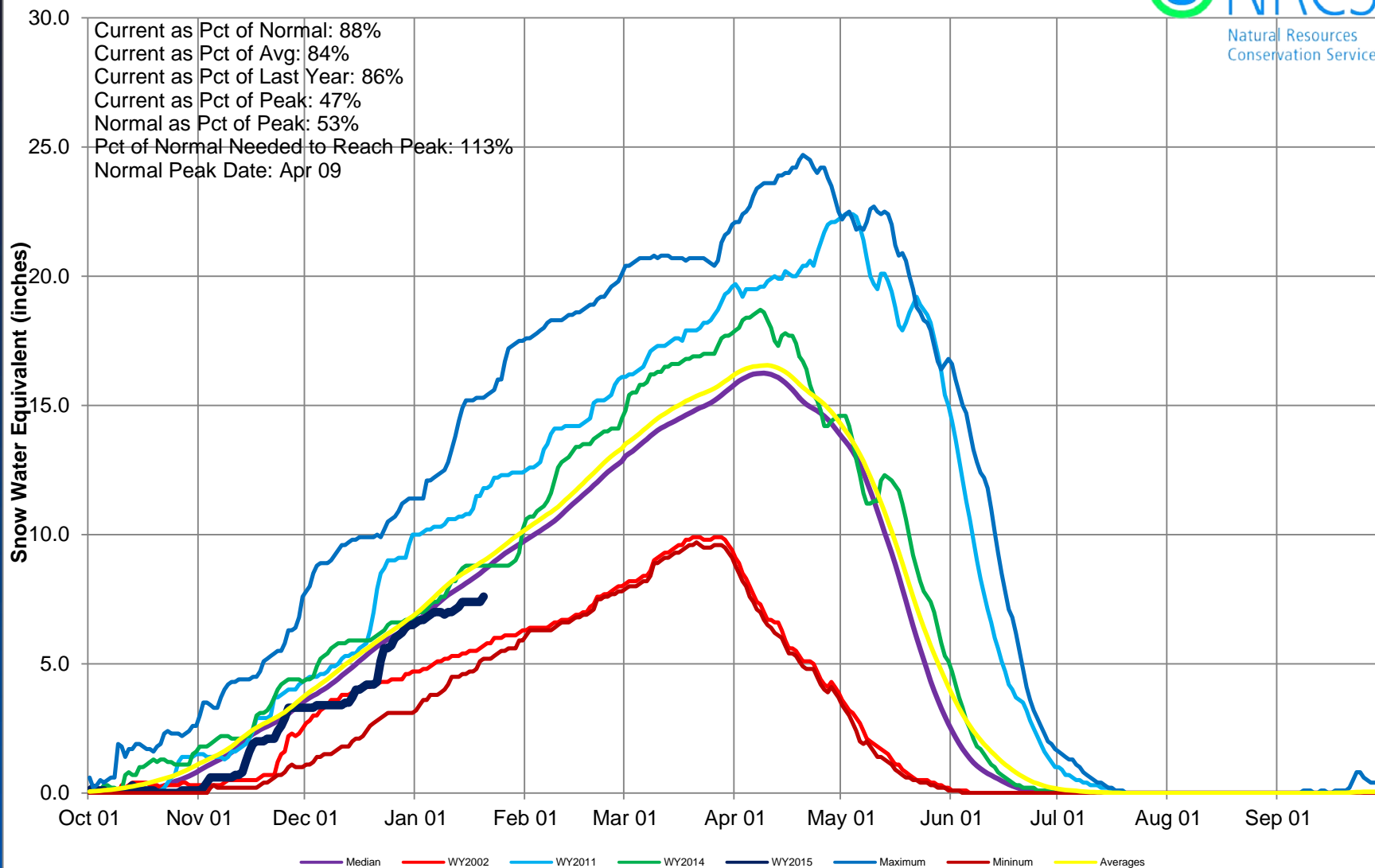


Current as of January 1, 2015



Colorado Statewide High/Low Snowpack Summary

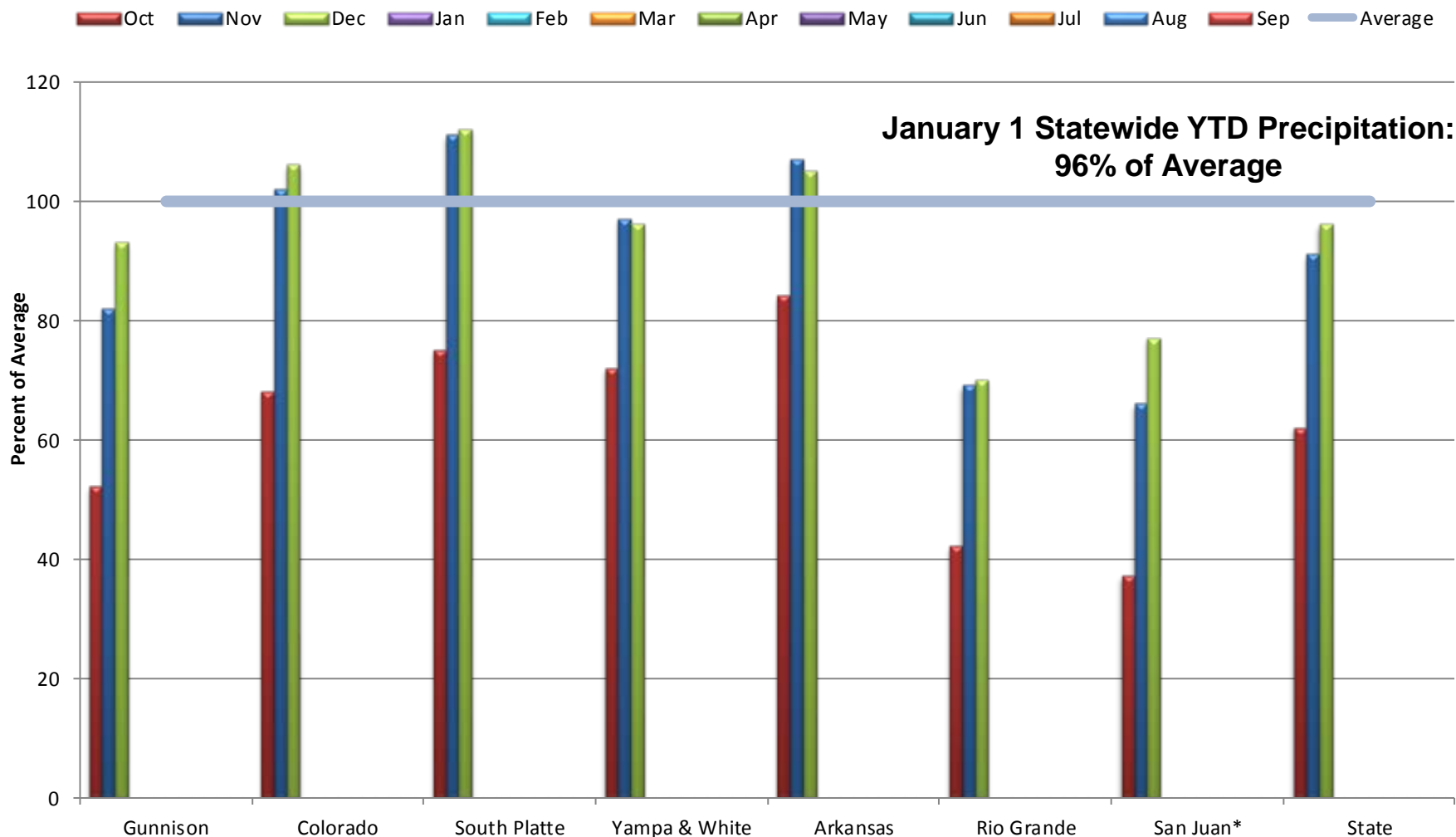
Based on Provisional SNOTEL data as of Jan 20, 2015





Colorado Year-to-Date Precipitation Summary for WY2015

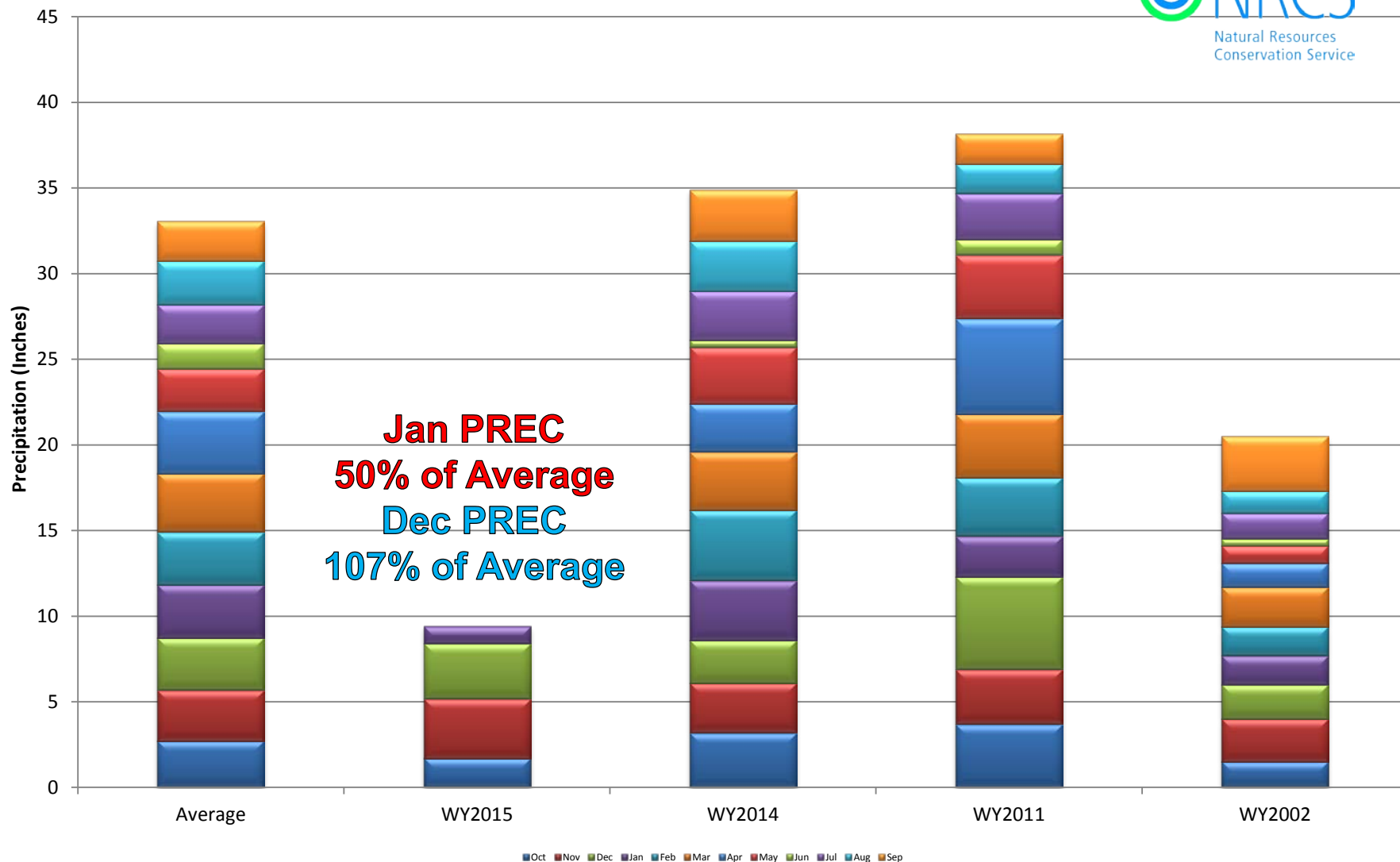
USDA Natural Resources Conservation Service



*Includes Animas, Dolores, San Miguel Basins

Colorado Statewide High/Low Monthly Precipitation Summary

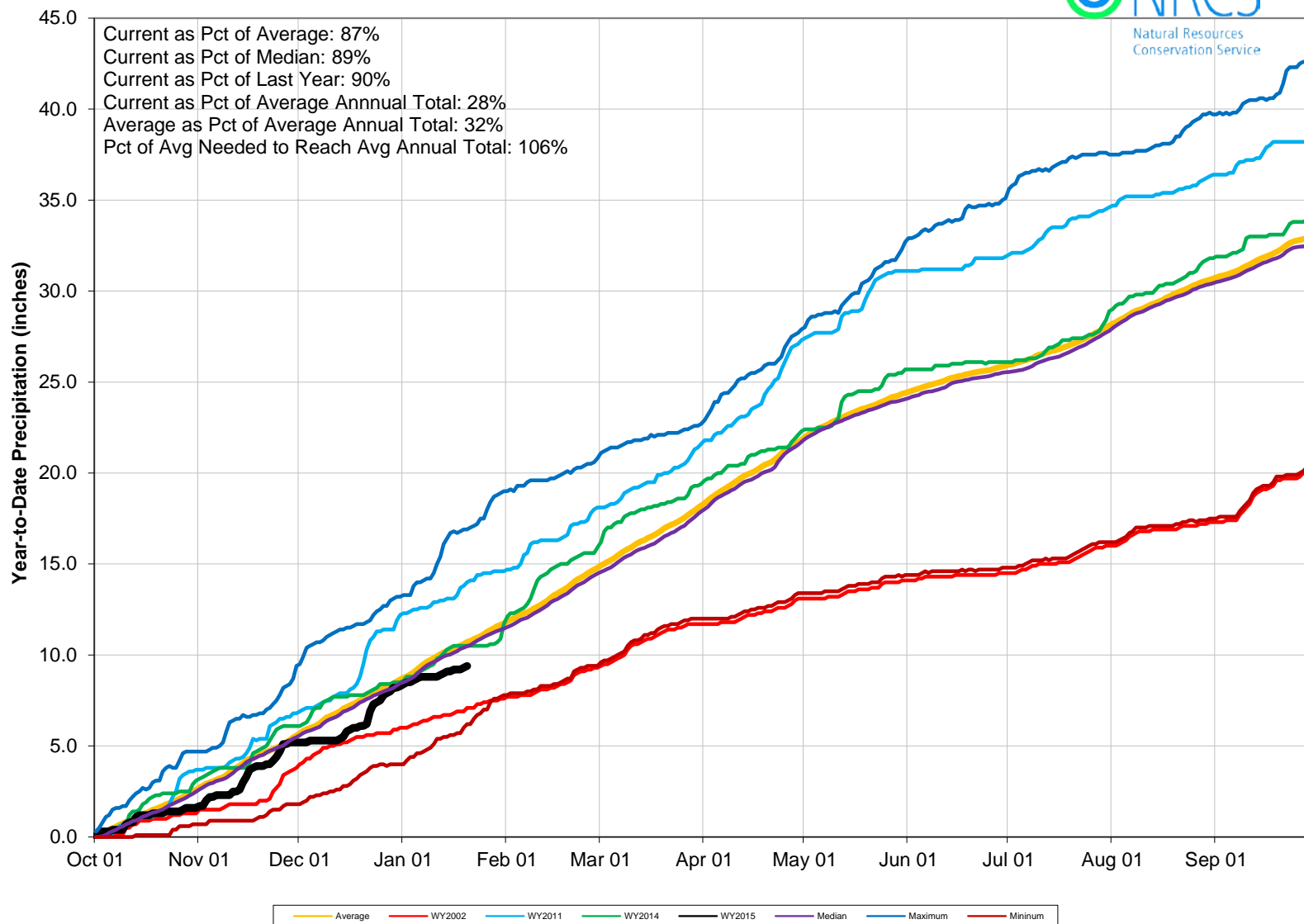
Based on Provisional SNOTEL data as of Jan 20, 2015





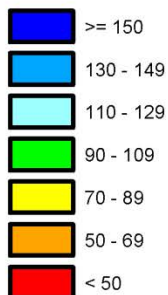
Colorado Statewide High/Low Year-to-Date Precipitation Summary

Based on Provisional SNOTEL data as of Jan 20, 2015

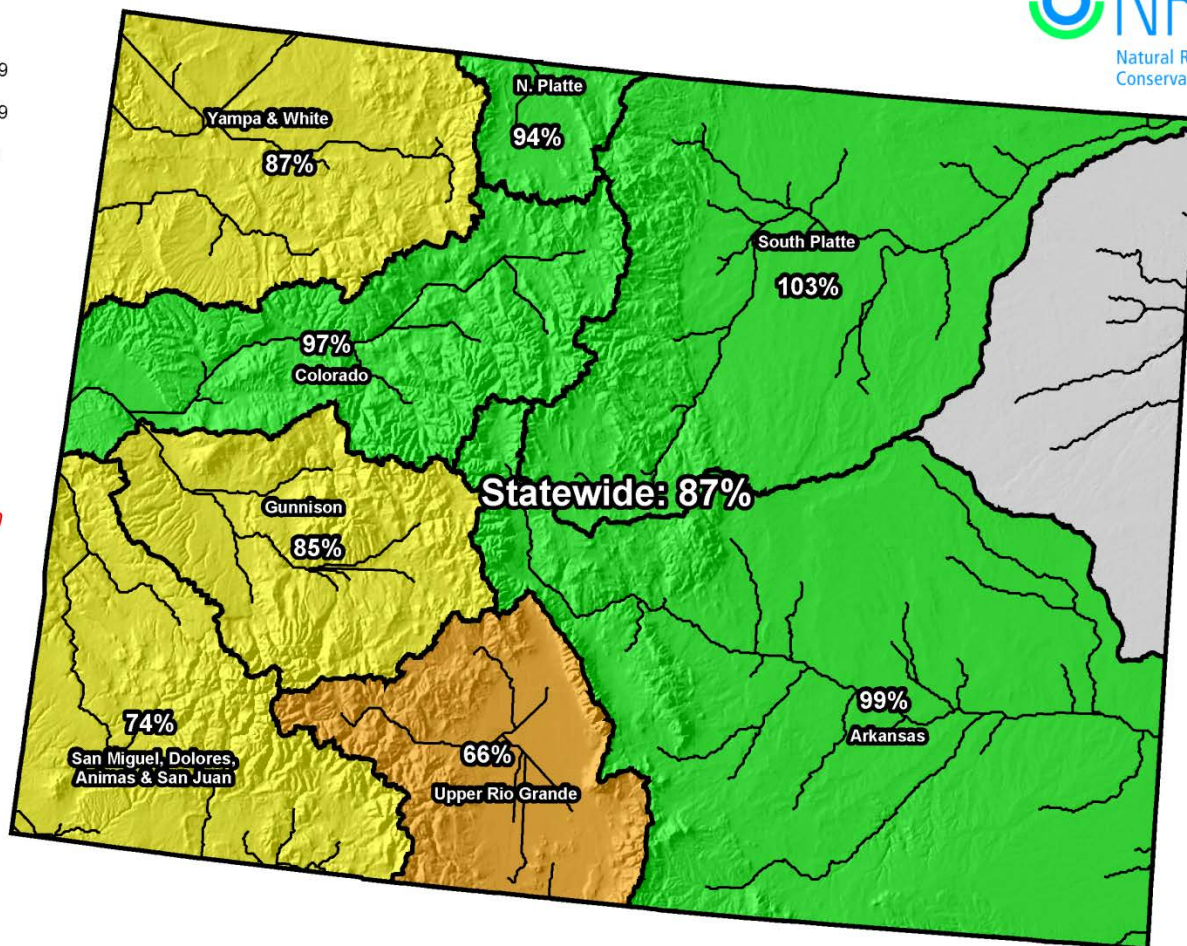


Colorado SNOTEL Water Year-to-Date Precipitation Update Map

Percent of Average



*Provisional Data
Subject to Revision*

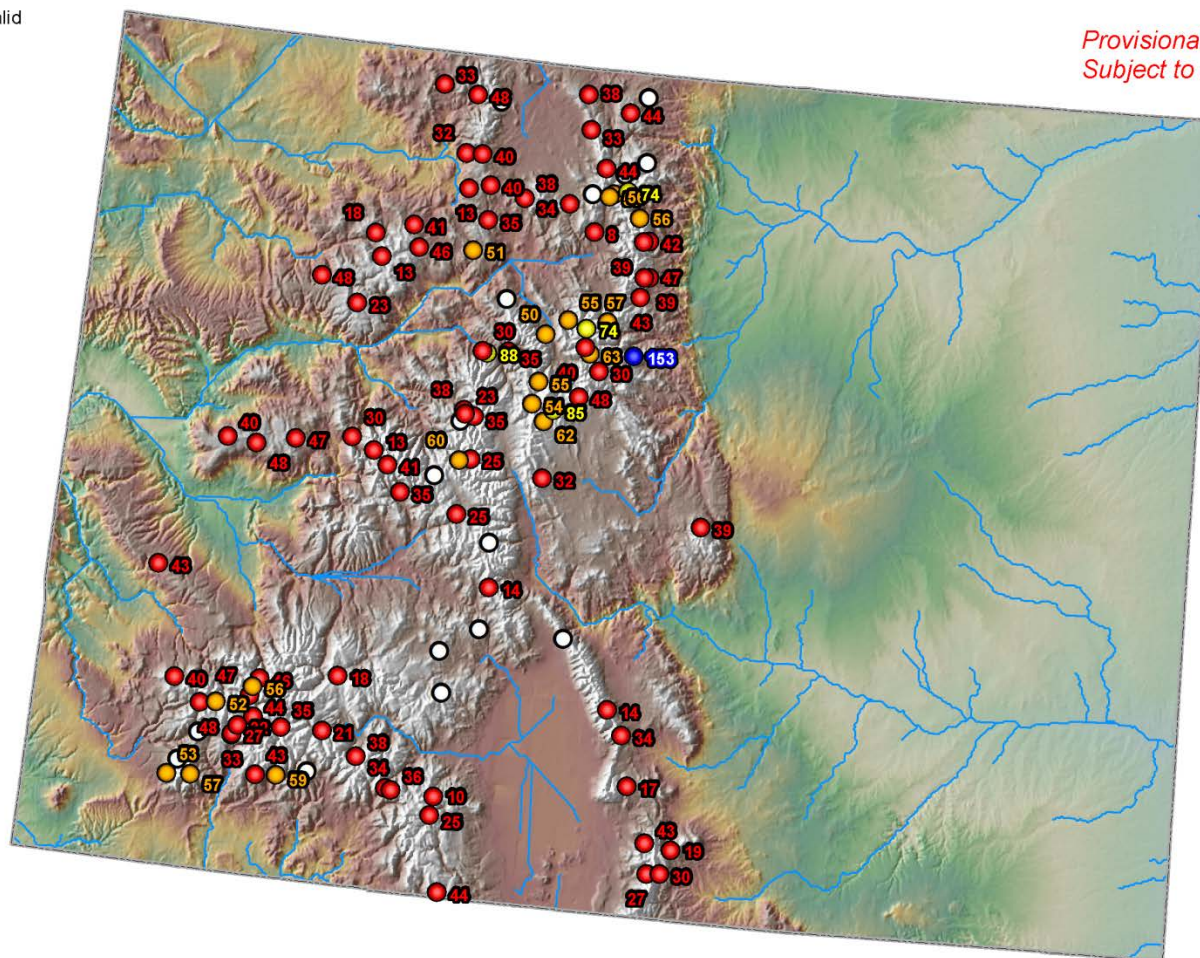


Current as of 01/20/2015

Colorado SNOTEL Month-to-Date Precipitation

Percent of Average

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

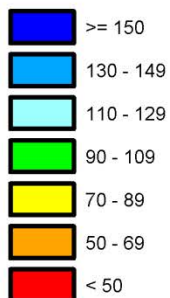


*Provisional Data
Subject to Revision*

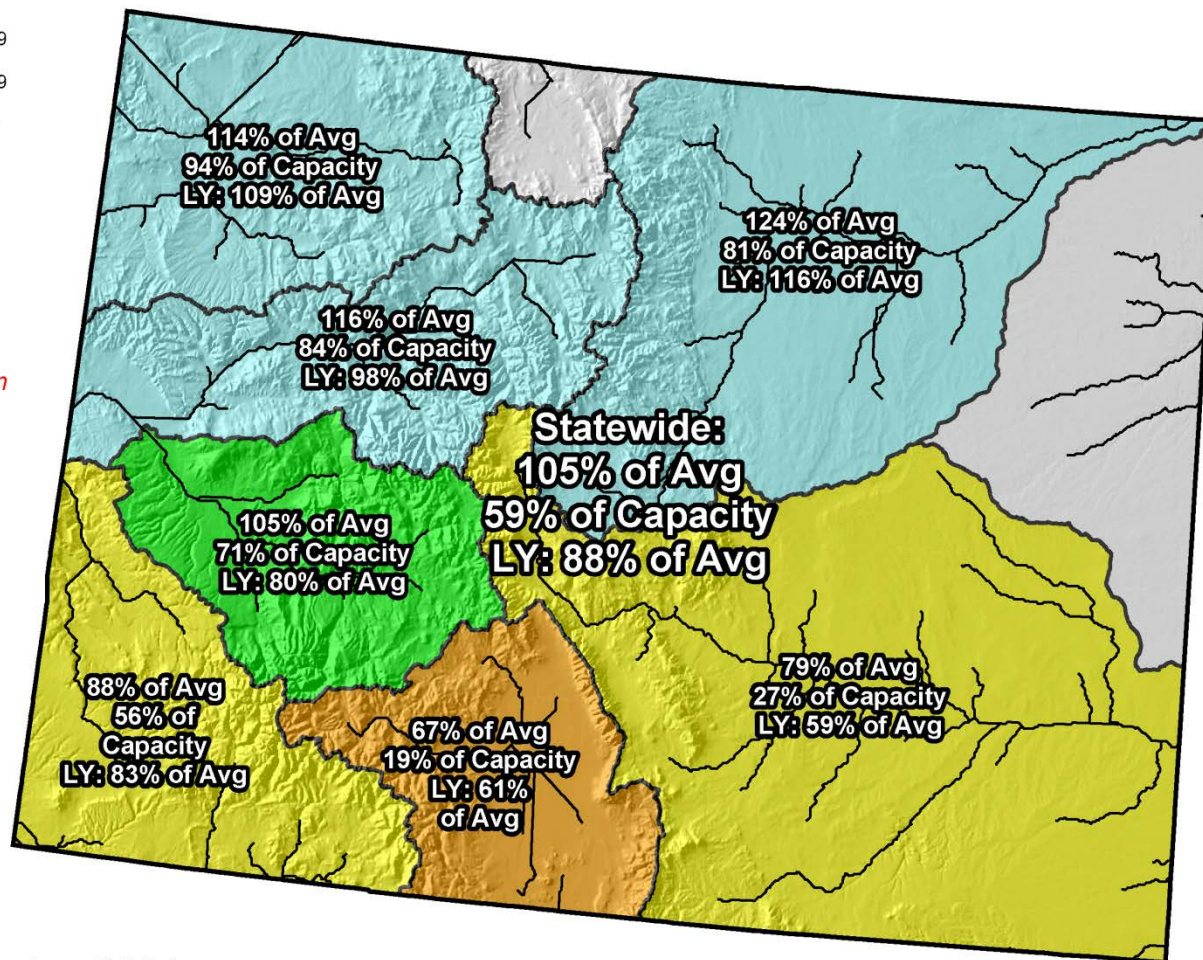
Current as of 01 20, 2015

Colorado Reservoir Storage Map

Percent of Average



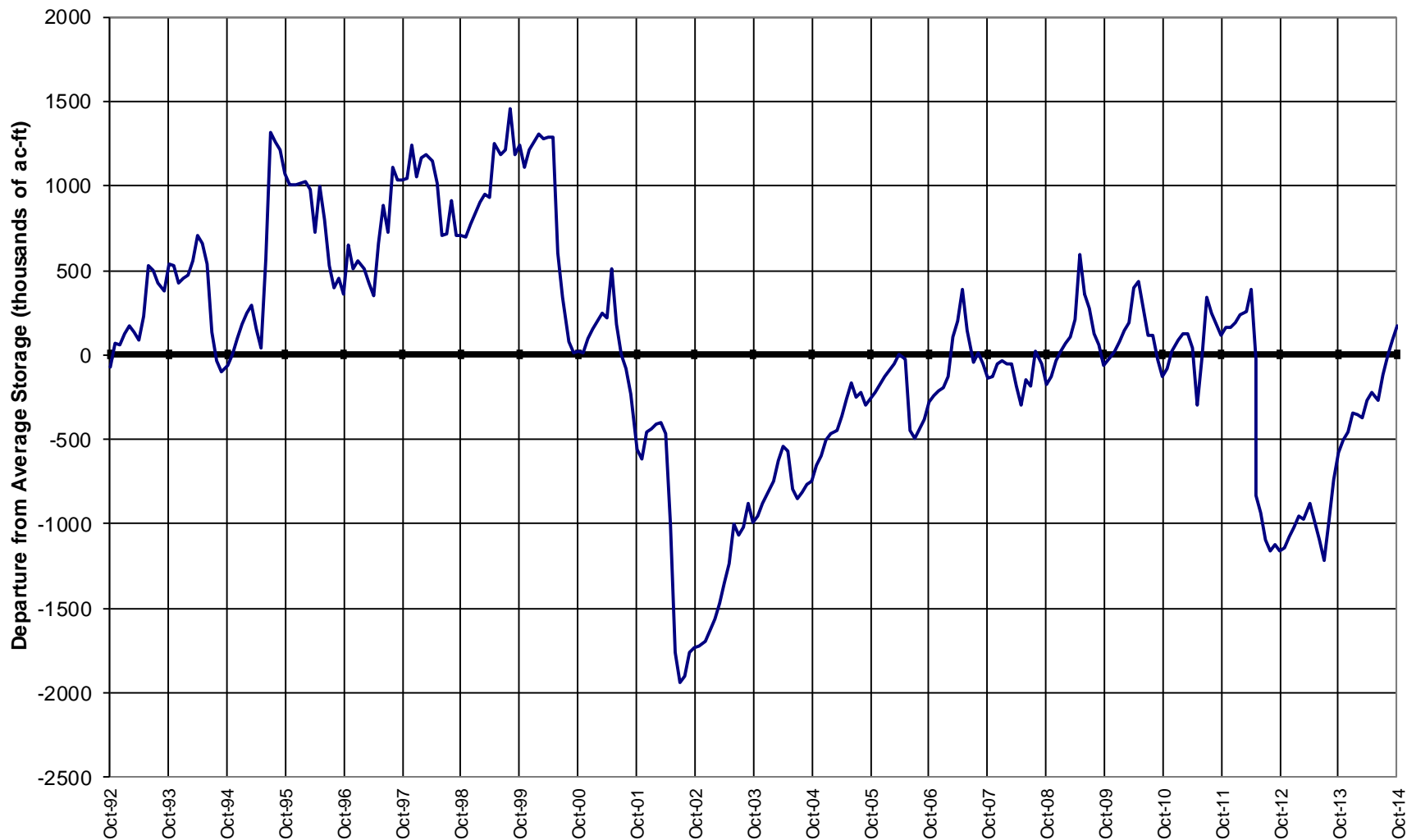
*Provisional Data
Subject to Revision*



End of December 2014



COLORADO STATEWIDE Reservoir Storage Departure from Average



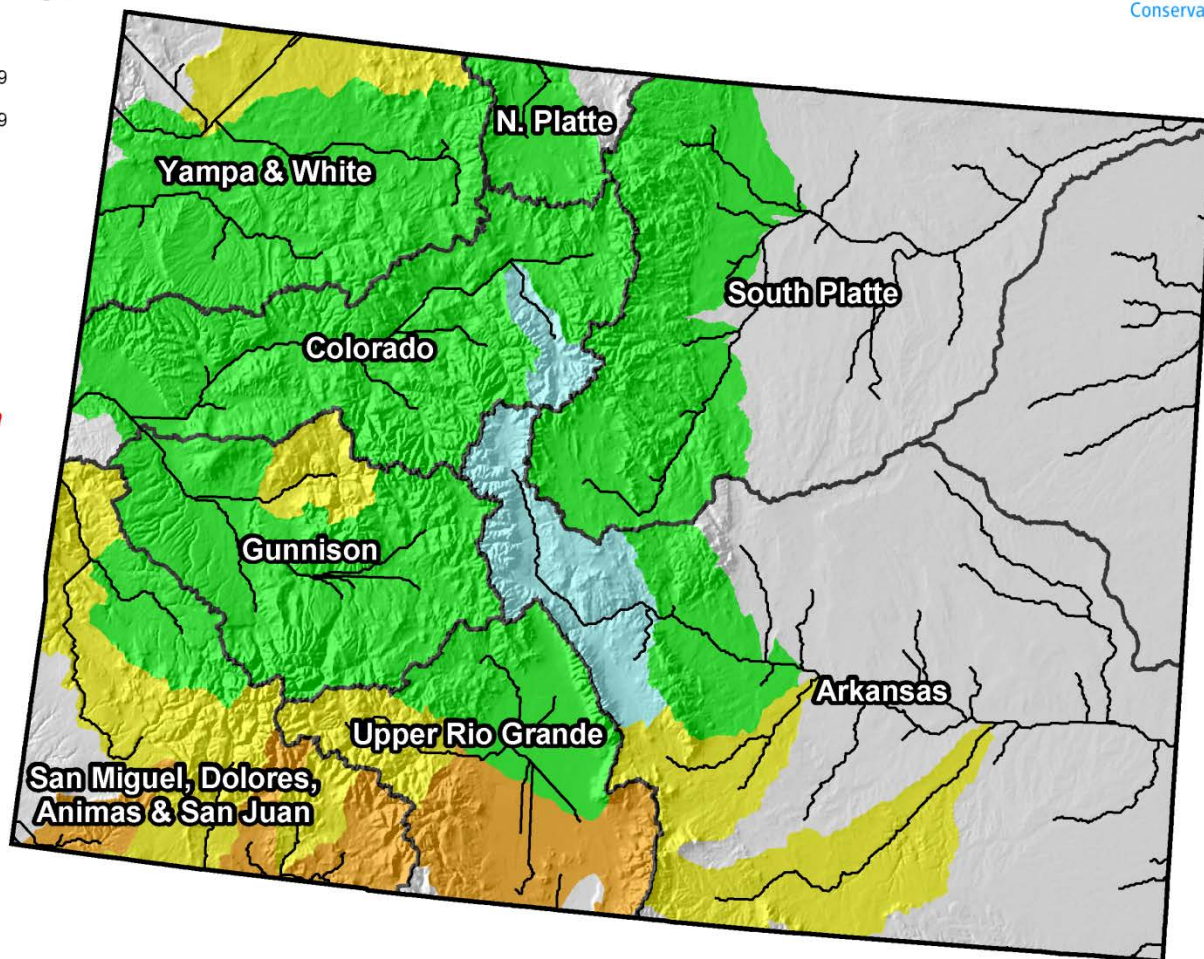
Colorado Streamflow Forecast Map



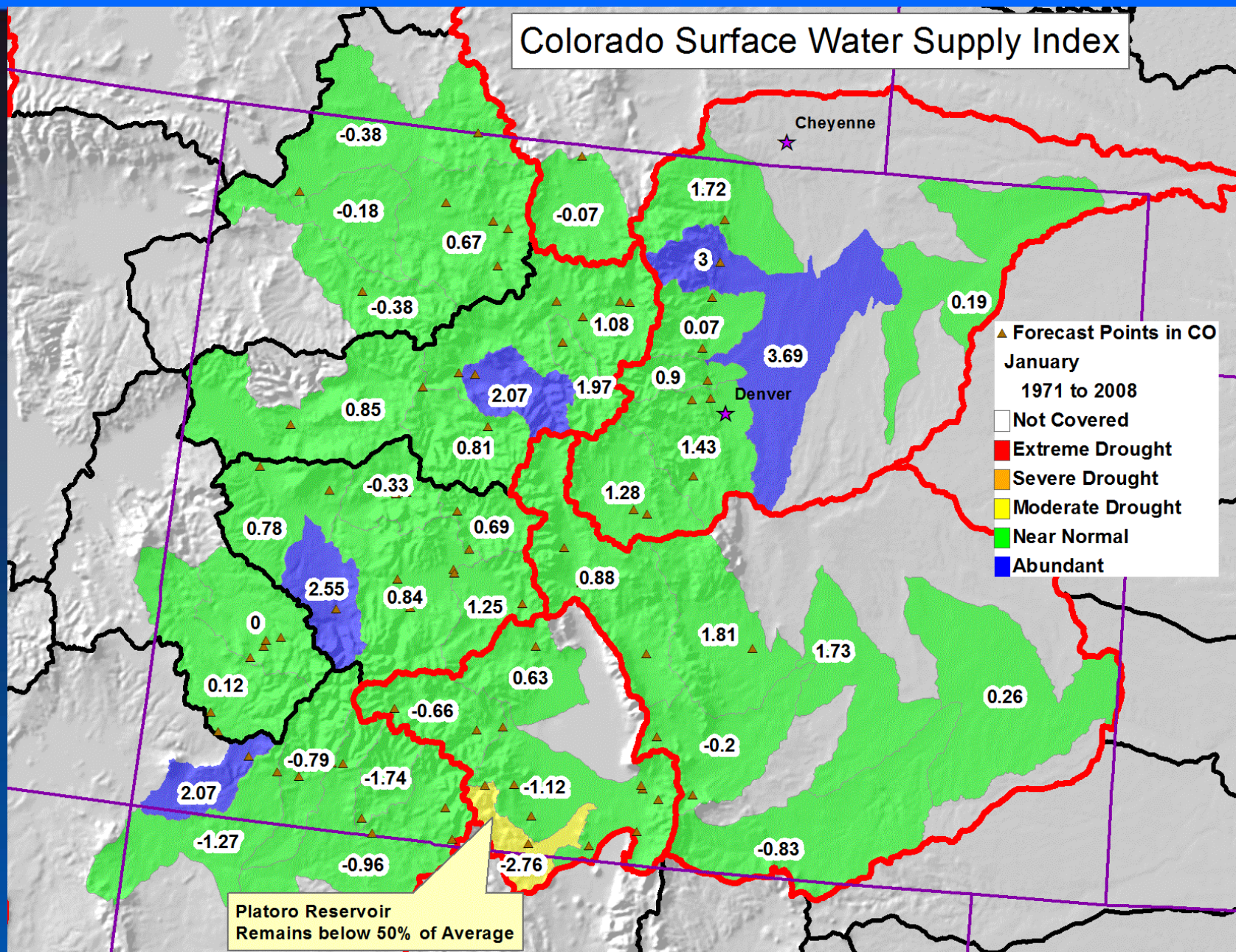
Percent of Average



*Provisional Data
Subject to Revision*



Current as of January 1, 2015



Summary

- So far January precip is averaging 50% across the state
- Snowpack
 - Going back to 1986 statewide snowpack is just above the bottom 3rd percentile
 - The Upper Rio Grande basin is currently in the lower quartile of the 29 year period of record ranking 22, comparing exactly to 1994. 1994 ended the year near average, there is a chance things could get better
 - South Platte snowpack is the best in the state, most closely comparing to 1987 and 1999 (1999 was the 6th highest recorded snowpack)
- Reservoirs are slightly above average statewide
- As of January 1
 - Streamflow forecasts ranged from 119% to 56% of average. With January precip totals falling short of the mark, forecasts have fallen too
 - SWSIs were relatively strong, have likely fallen less drastically as fcsts



United States Department of Agriculture

Colorado Snow Surveys

Water Availability Task Force Meeting

January 20th, 2015

NRCS Snow Survey and Water Supply Forecasting Program

Brian Domonkos

Colorado Snow Survey Supervisor

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