



United States Department of Agriculture

Colorado Snow Surveys

Water Availability Task Force Meeting

May 13th, 2015

NRCS Snow Survey and Water Supply Forecasting Program

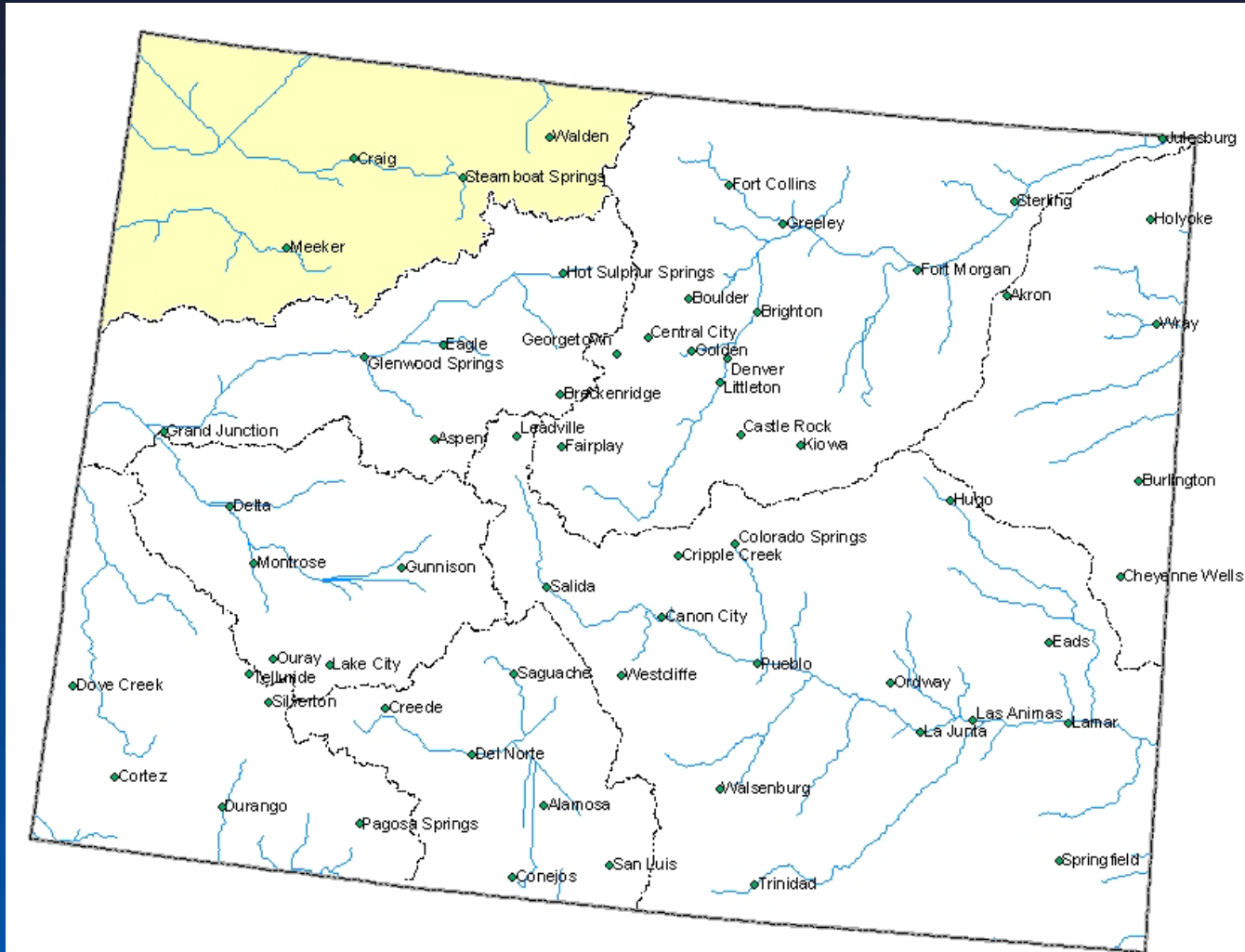
Brian Domonkos

Colorado Snow Survey Supervisor

720-544-2852

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

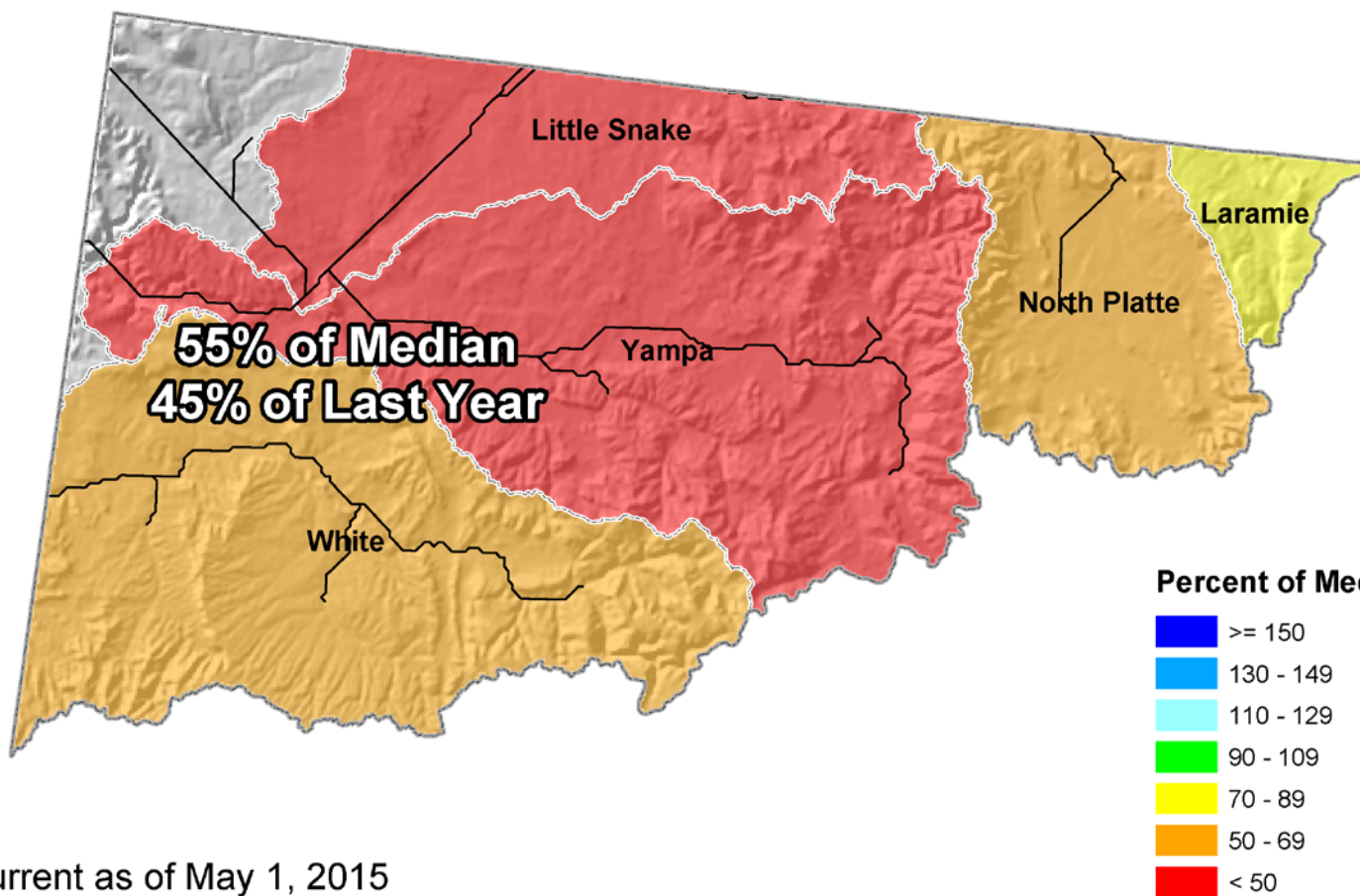
Yampa, White & North Platte River Basins Summary



Yampa, White and North Platte River Basins Snowpack Map



*Provisional Data
Subject to Revision*



Current as of May 1, 2015

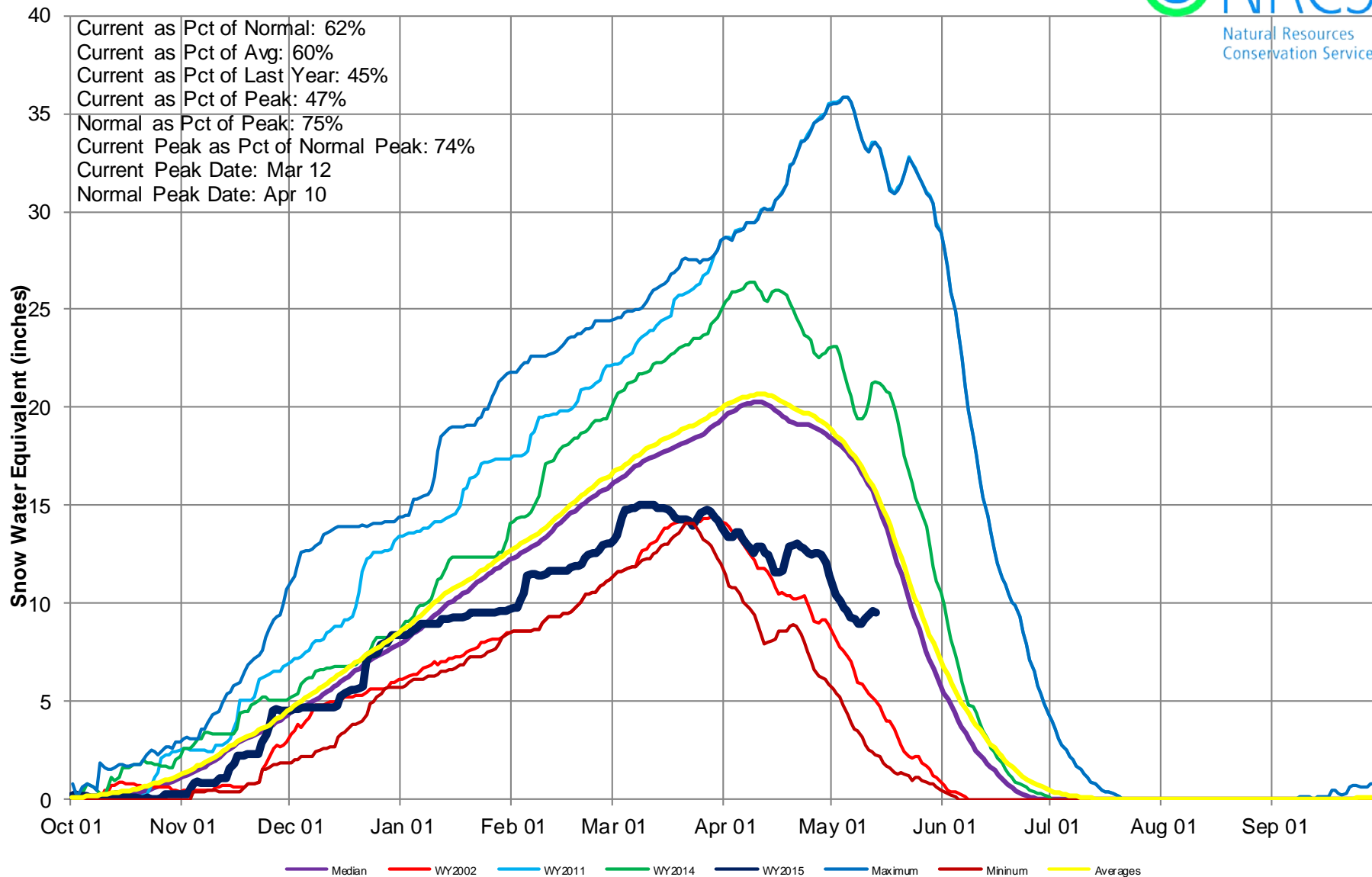


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Colorado Snow Surveys

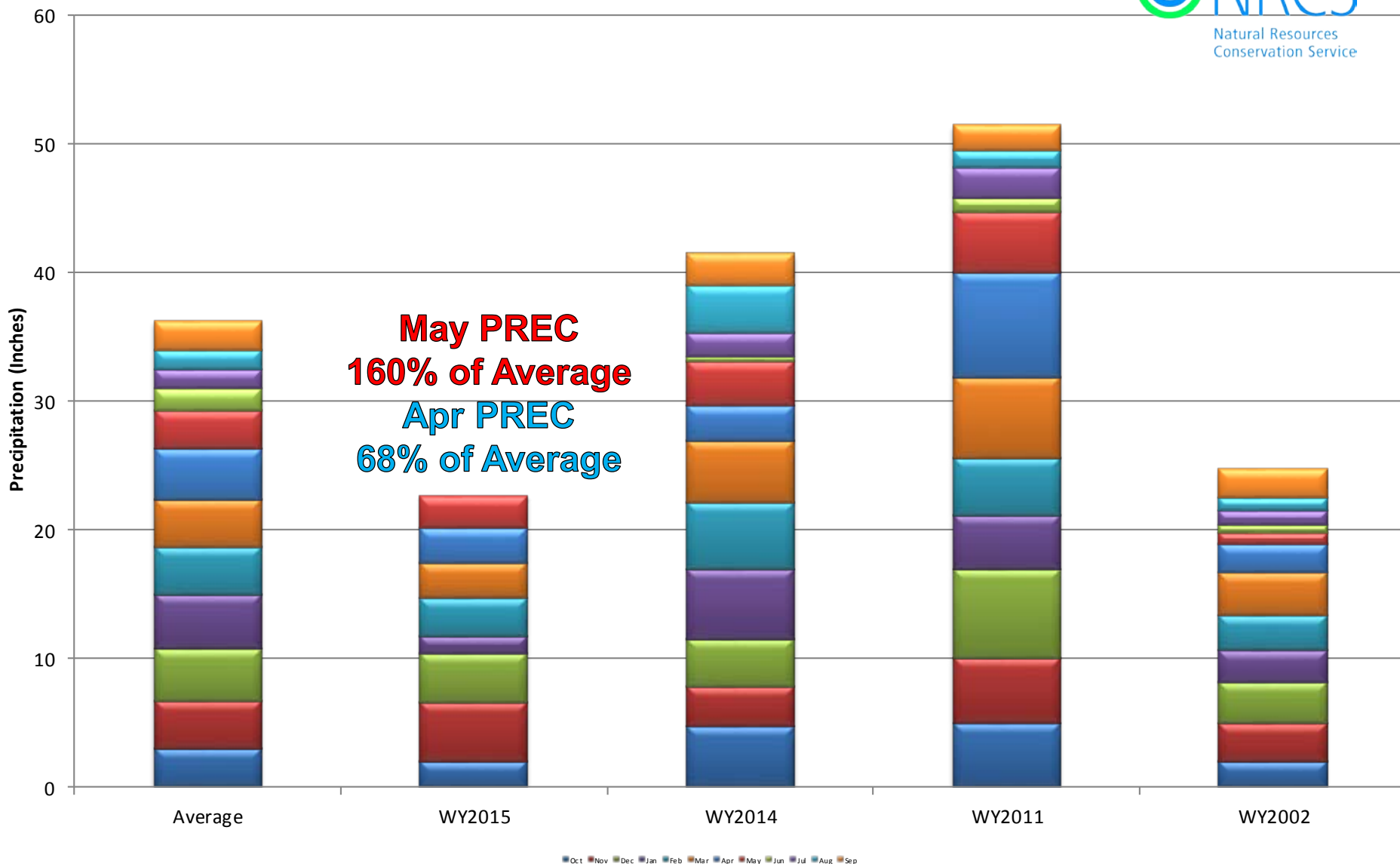
Yampa, White & North Platte River Basins High/Low Snowpack Summary

Based on Provisional SNOTEL data as of May 13, 2015



Yampa & White River Basins High/Low Monthly Precipitation Summary

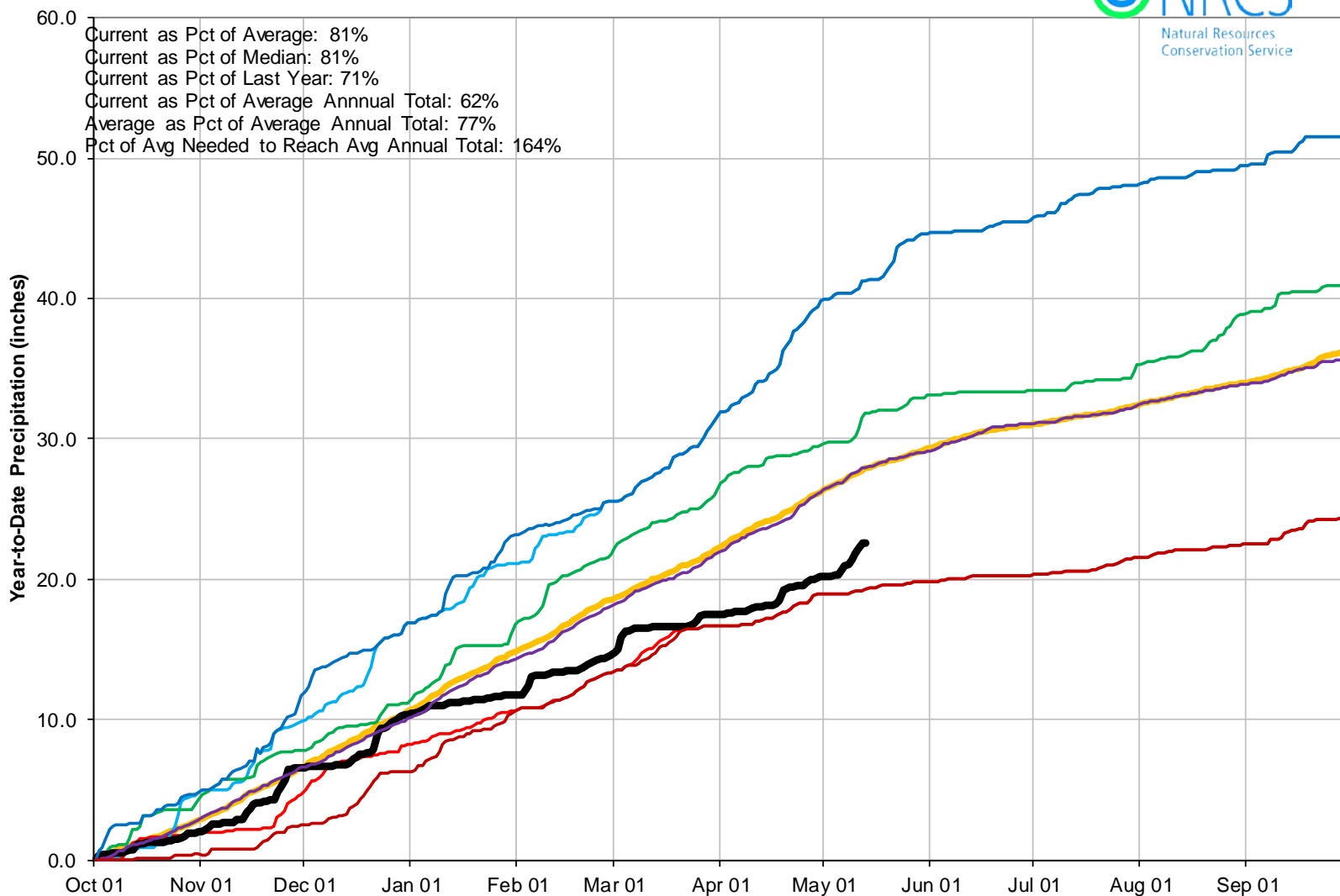
Based on Provisional SNOTEL data as of May 13, 2015





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

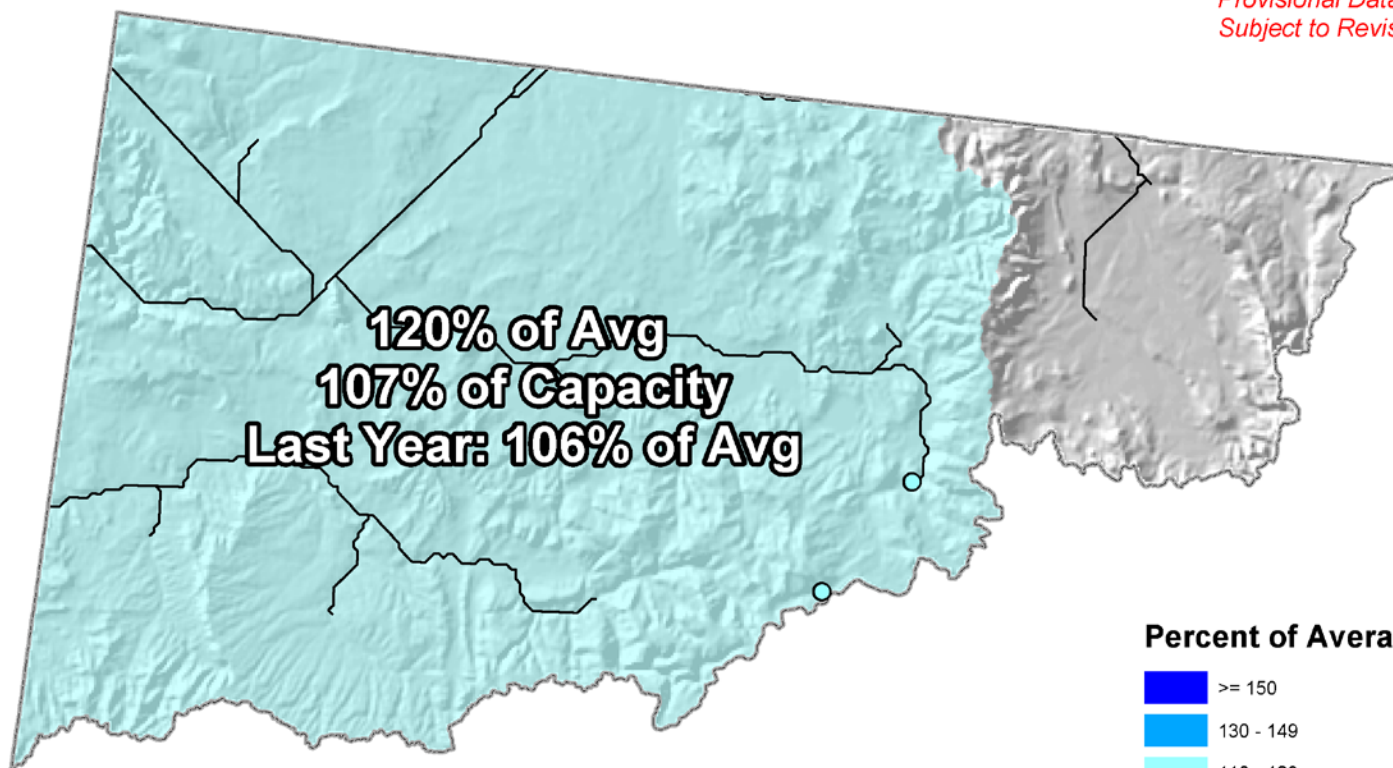
Based on Provisional SNOTEL data as of May 13, 2015



Yampa & White River Basins Reservoir Storage Map



*Provisional Data
Subject to Revision*



Percent of Average

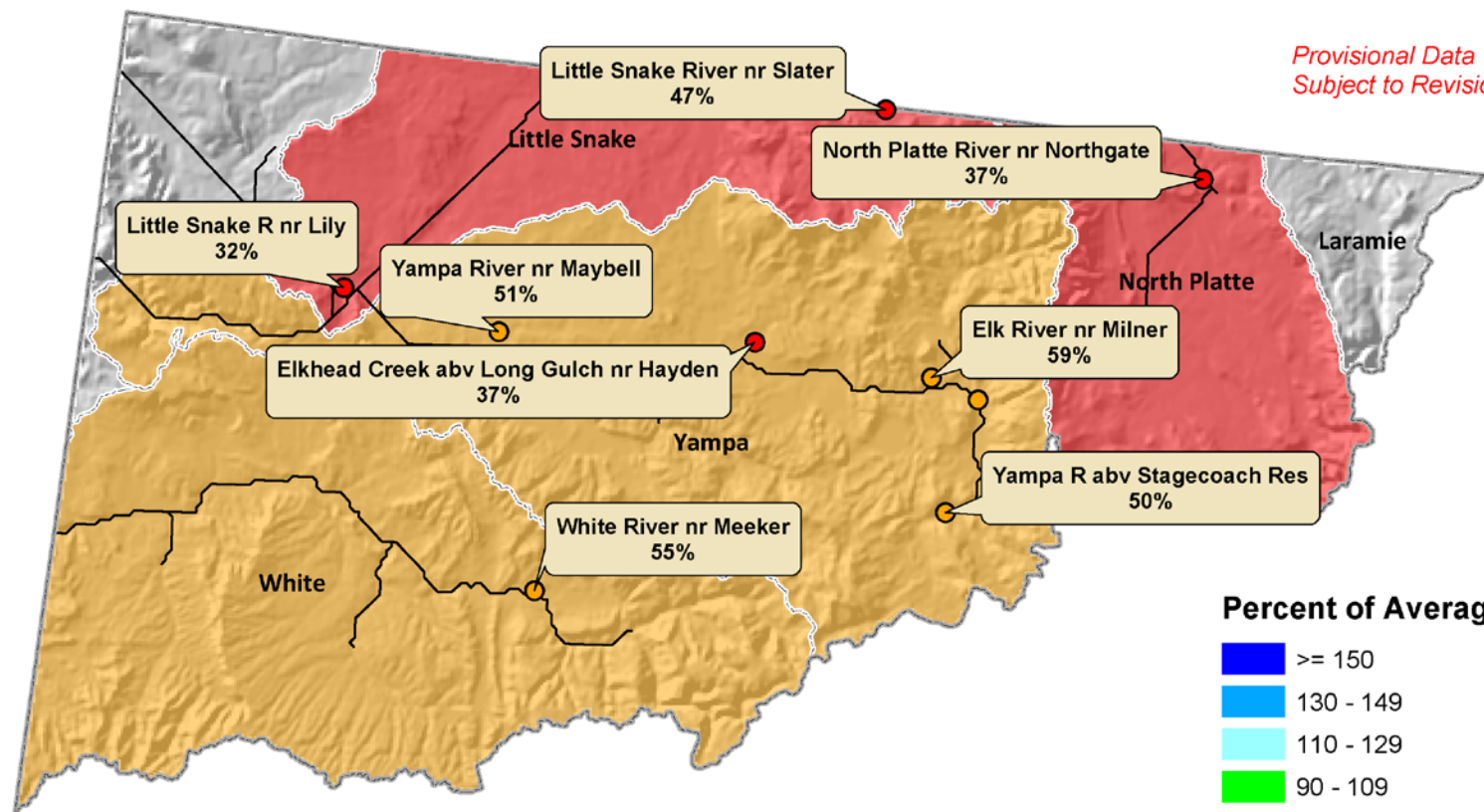


End of April 2015

Yampa, White and North Platte River Basins Streamflow Map



*Provisional Data
Subject to Revision*

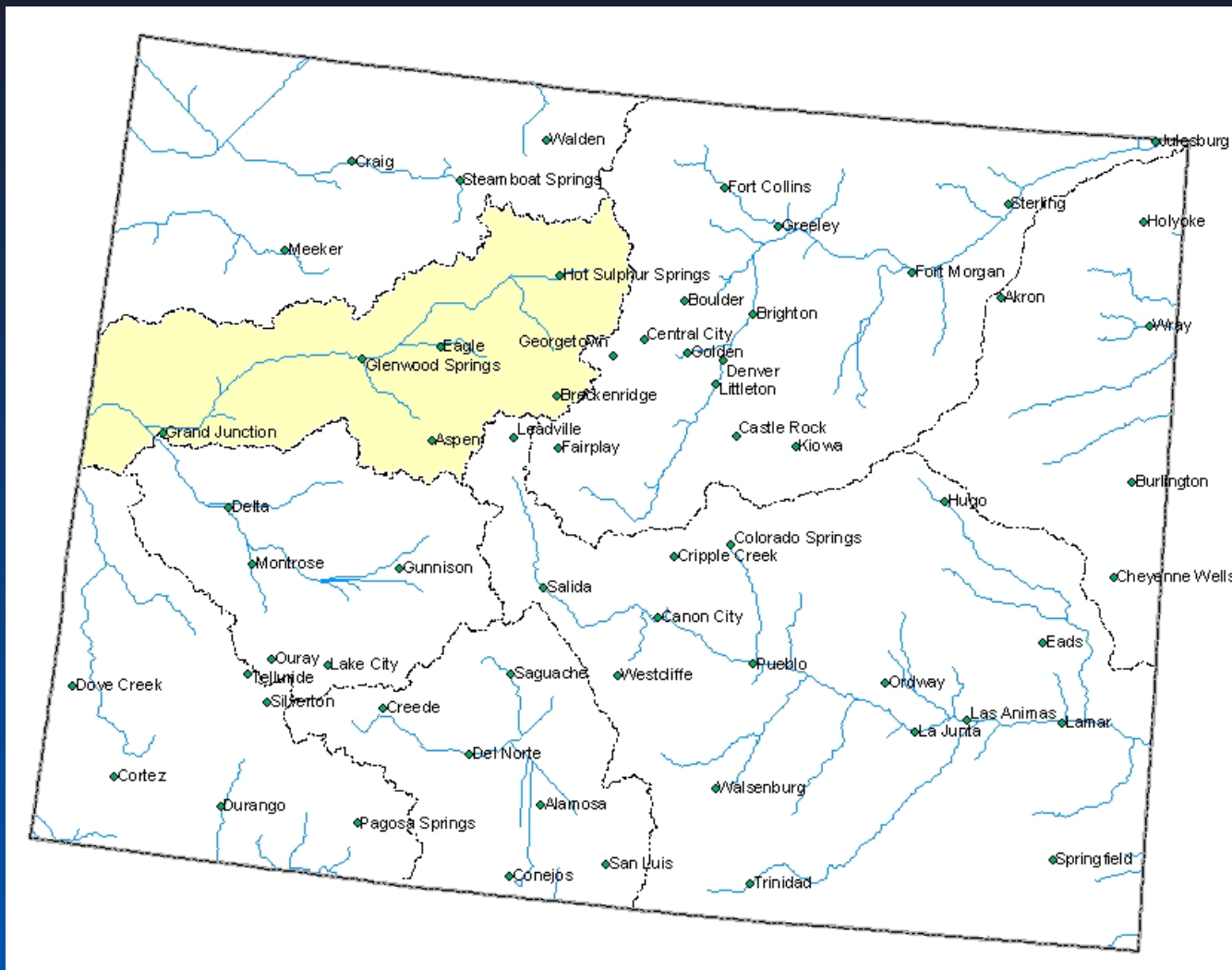


Percent of Average



Current as of May 1, 2015

Colorado River Basin Summary



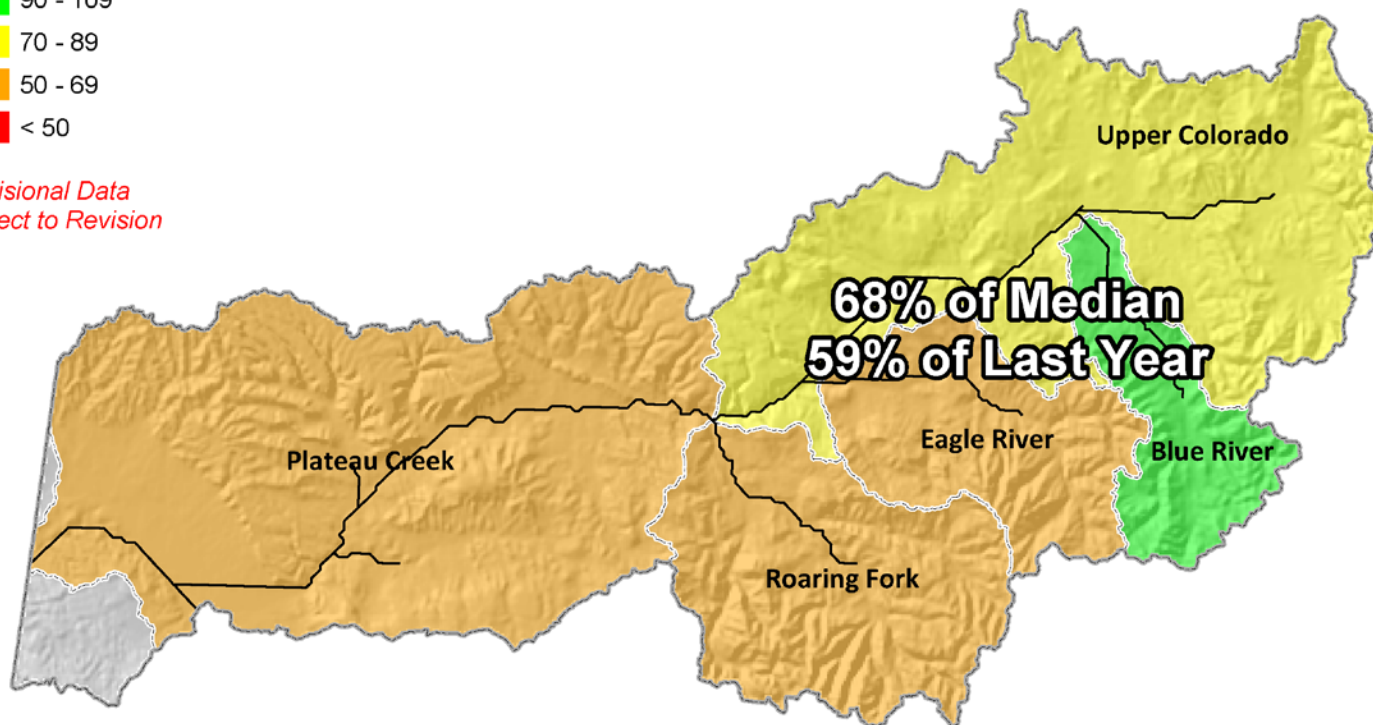
Colorado River Basin Snowpack Map



Percent of Median



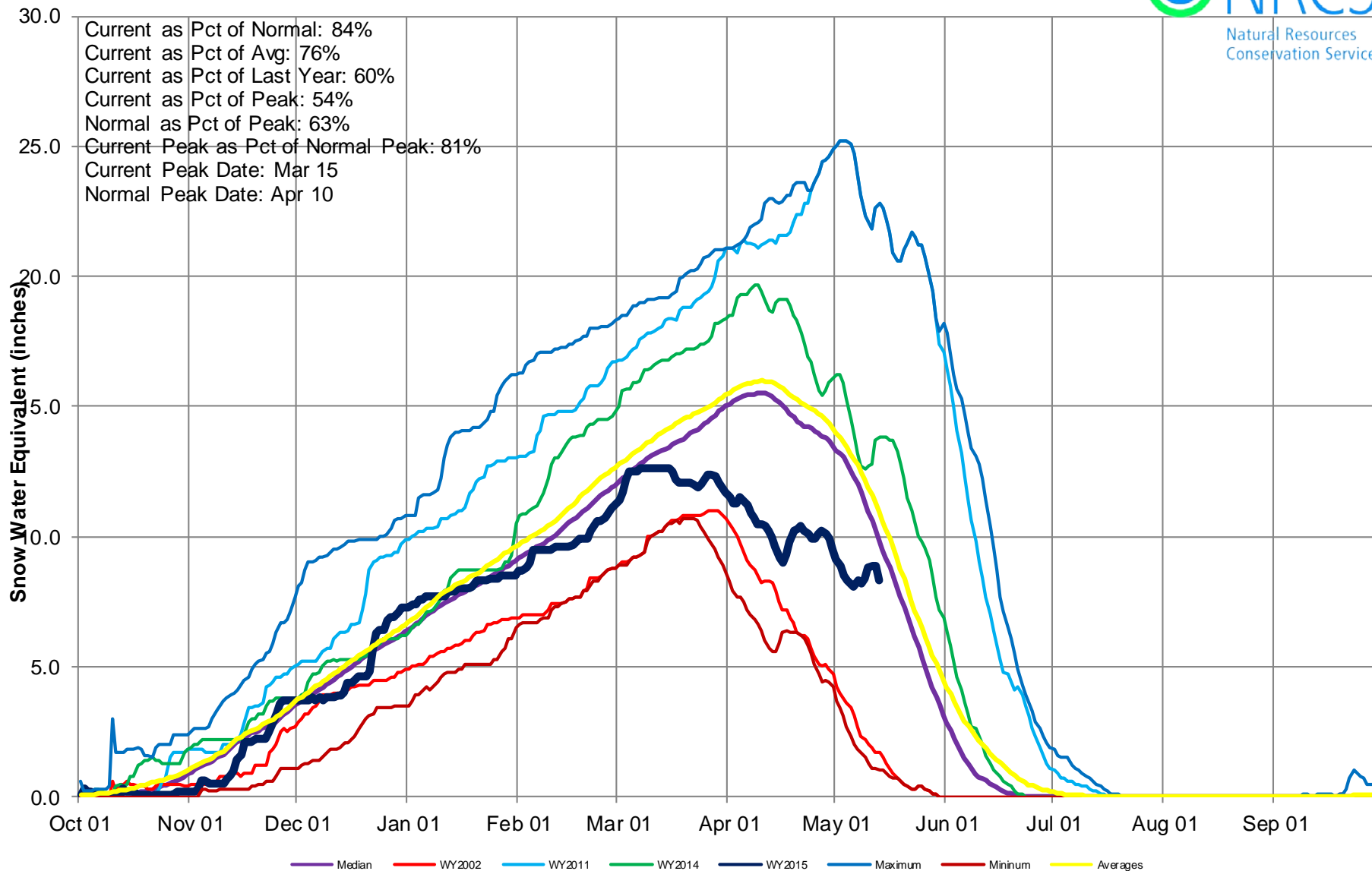
*Provisional Data
Subject to Revision*



Current as of May 1, 2015

Upper Colorado River Basin High/Low Snowpack Summary

Based on Provisional SNOTEL data as of May 13, 2015



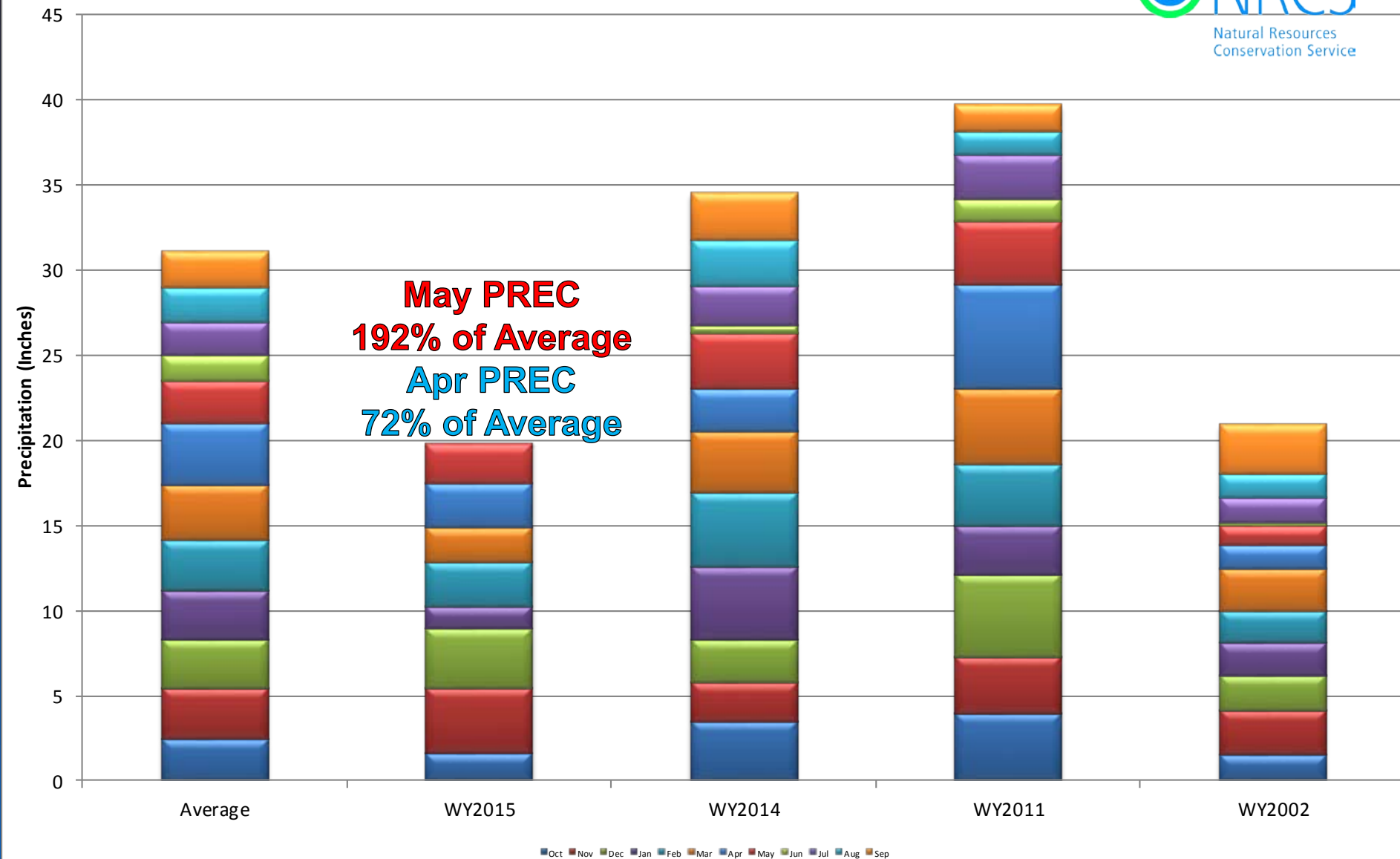


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Colorado Snow Surveys

Upper Colorado River Basin High/Low Monthly Precipitation Summary

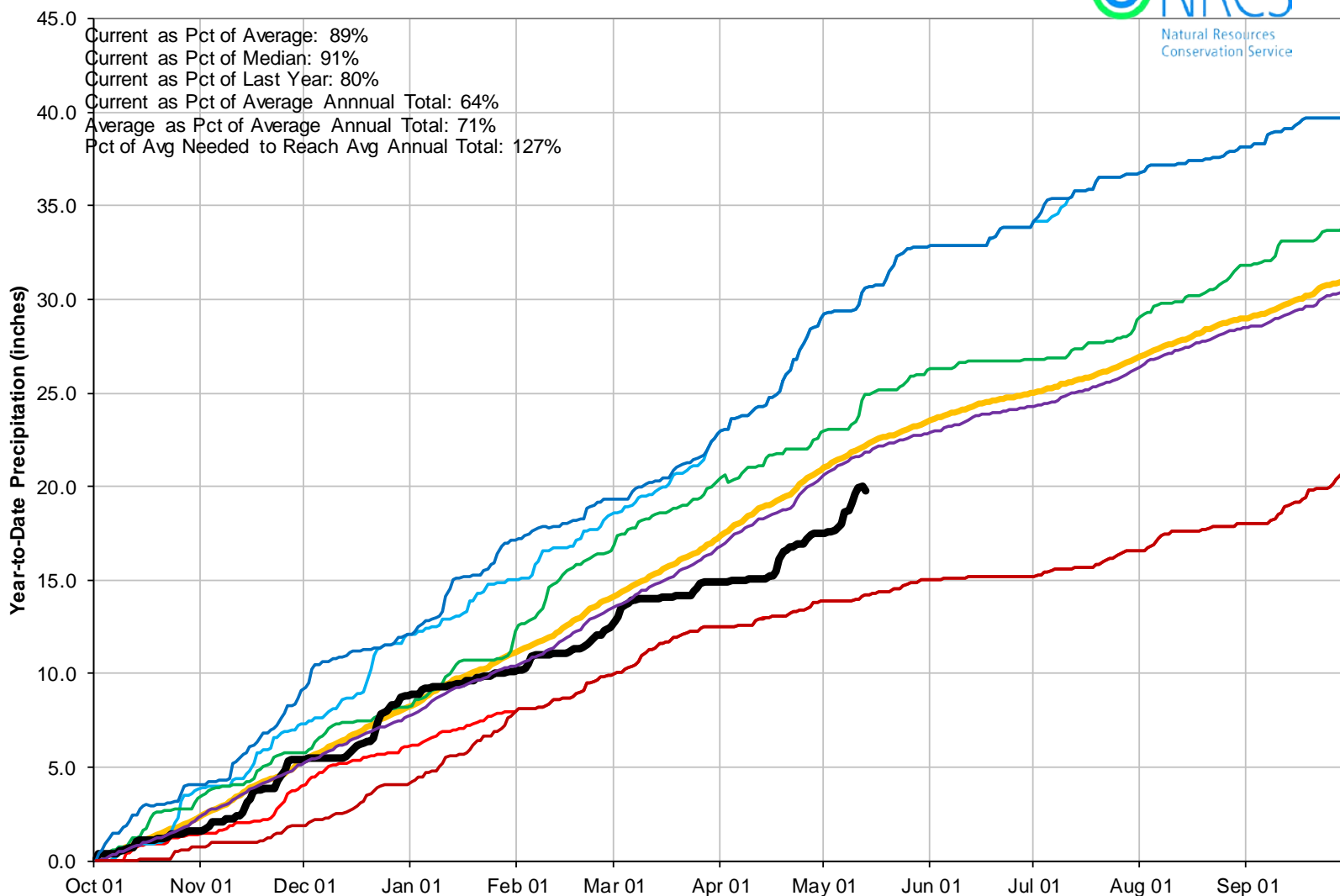
Based on Provisional SNOTEL data as of May 13, 2015





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

Based on Provisional SNOTEL data as of May 13, 2015

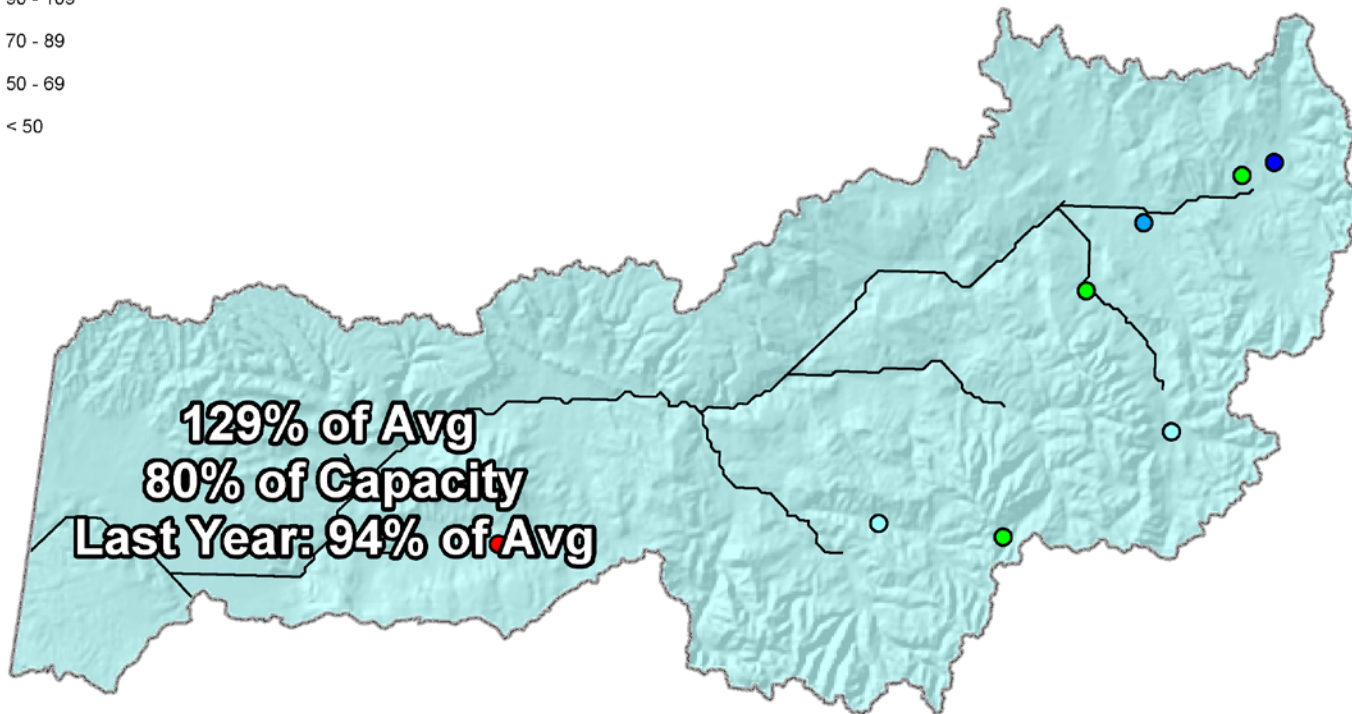


Colorado River Basin Reservoir Storage Map

Percent of Average



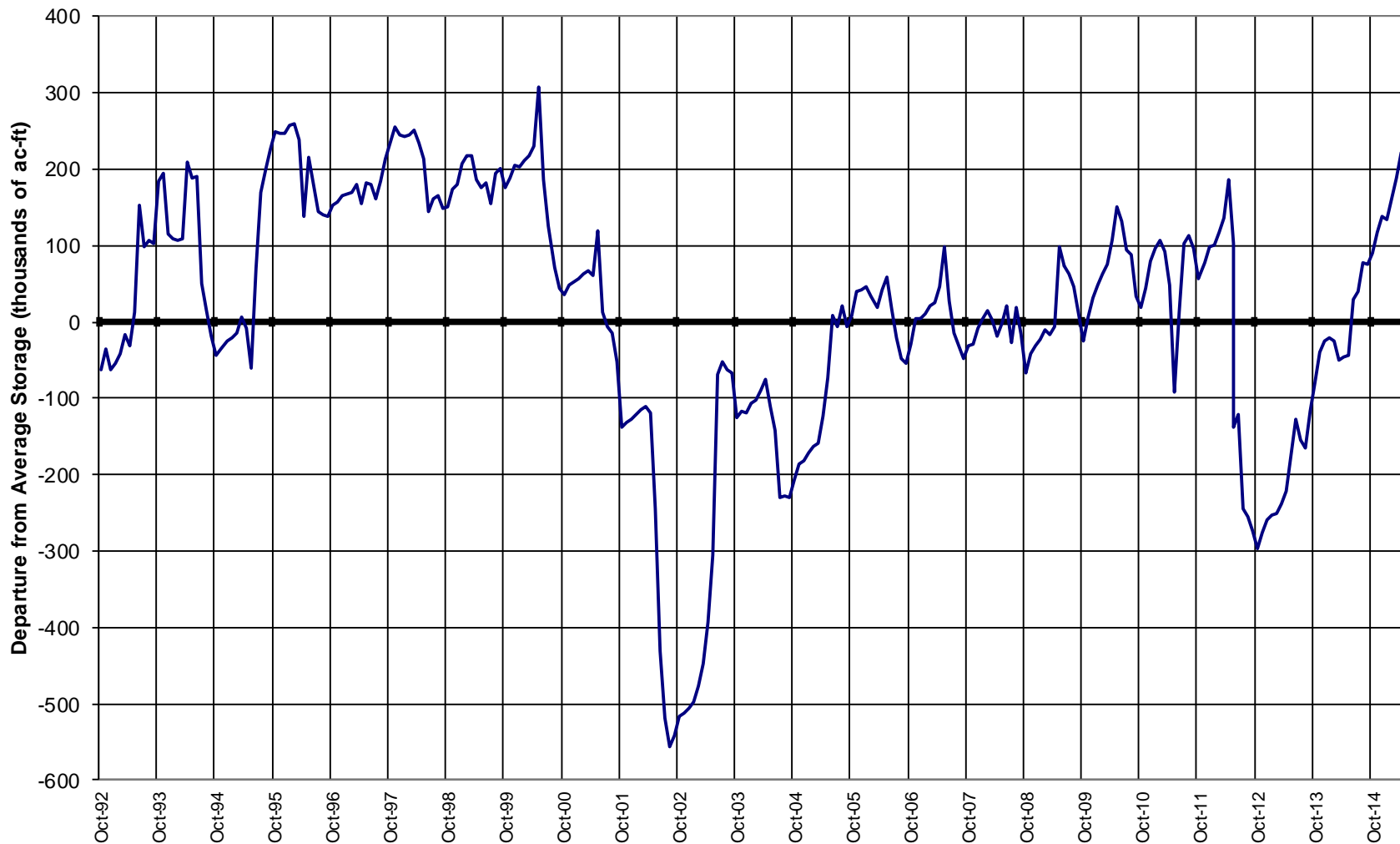
*Provisional Data
Subject to Revision*



End of April 2015



COLORADO RIVER BASIN Reservoir Storage Departure from Average

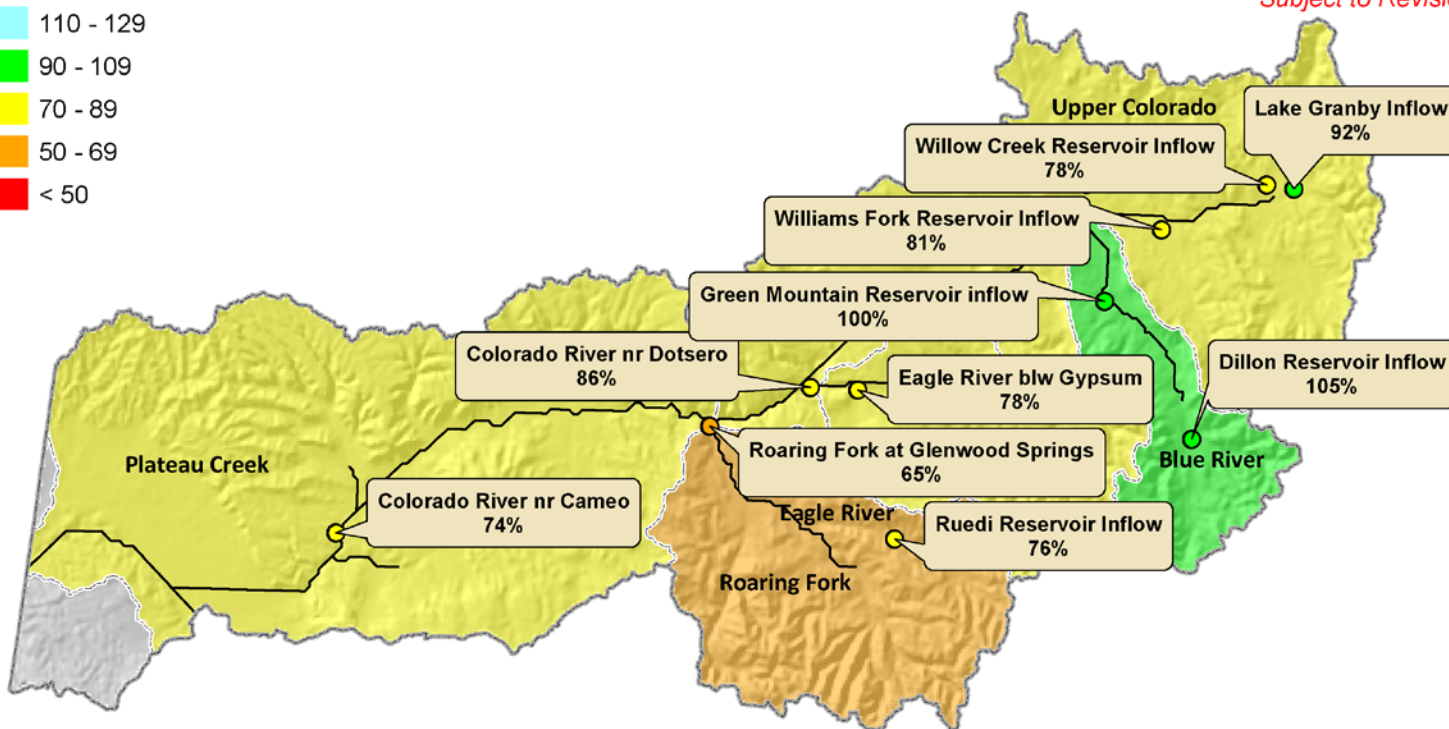


Colorado River Basin Streamflow Forecast Map

Percent of Average

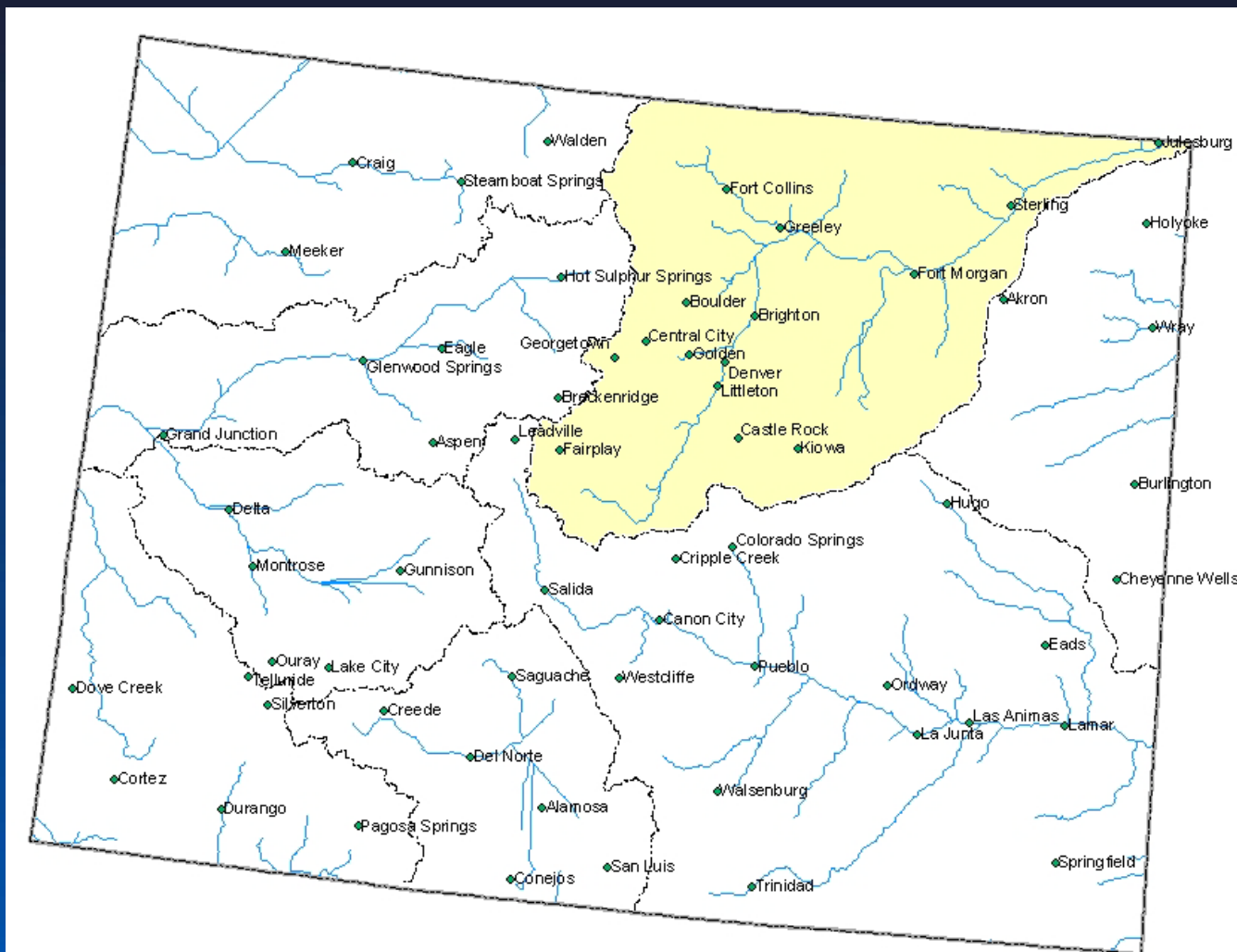


*Provisional Data
Subject to Revision*



Current as of May 1, 2015

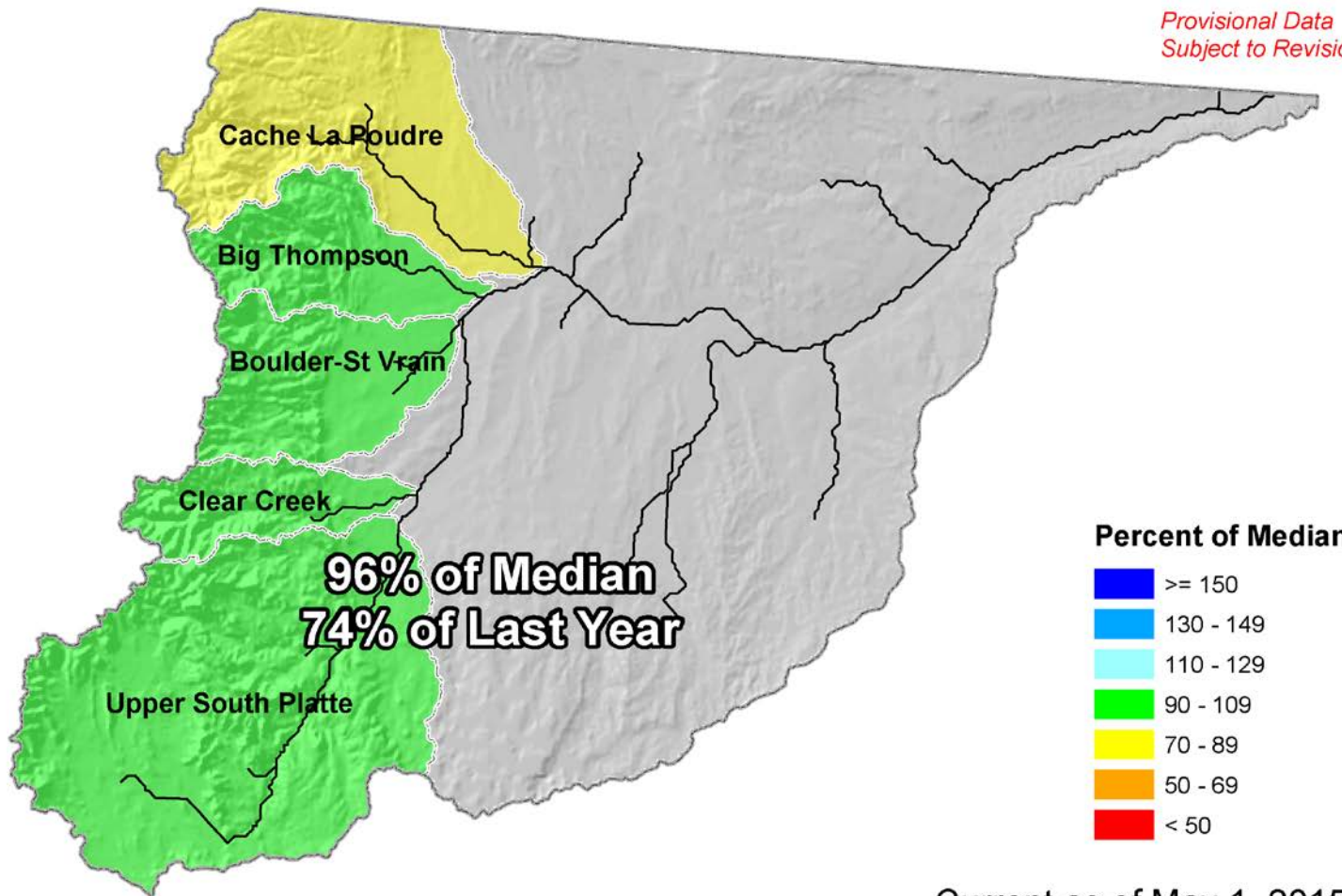
South Platte River Basin Summary



South Platte River Basin Snowpack Map



*Provisional Data
Subject to Revision*

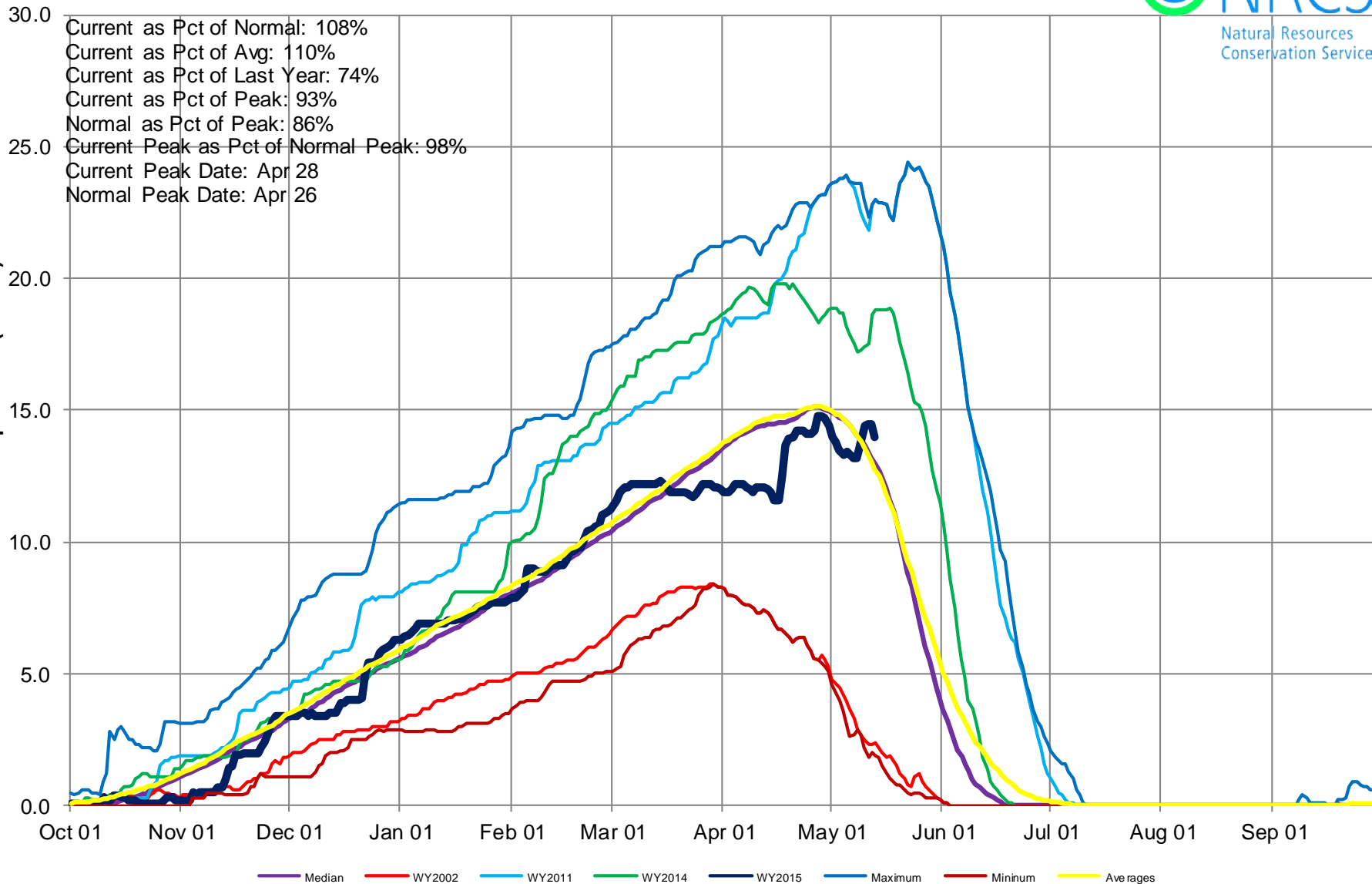


Current as of May 1, 2015



South Platte River Basin High/Low Snowpack Summary

Based on Provisional SNOTEL data as of May 13, 2015



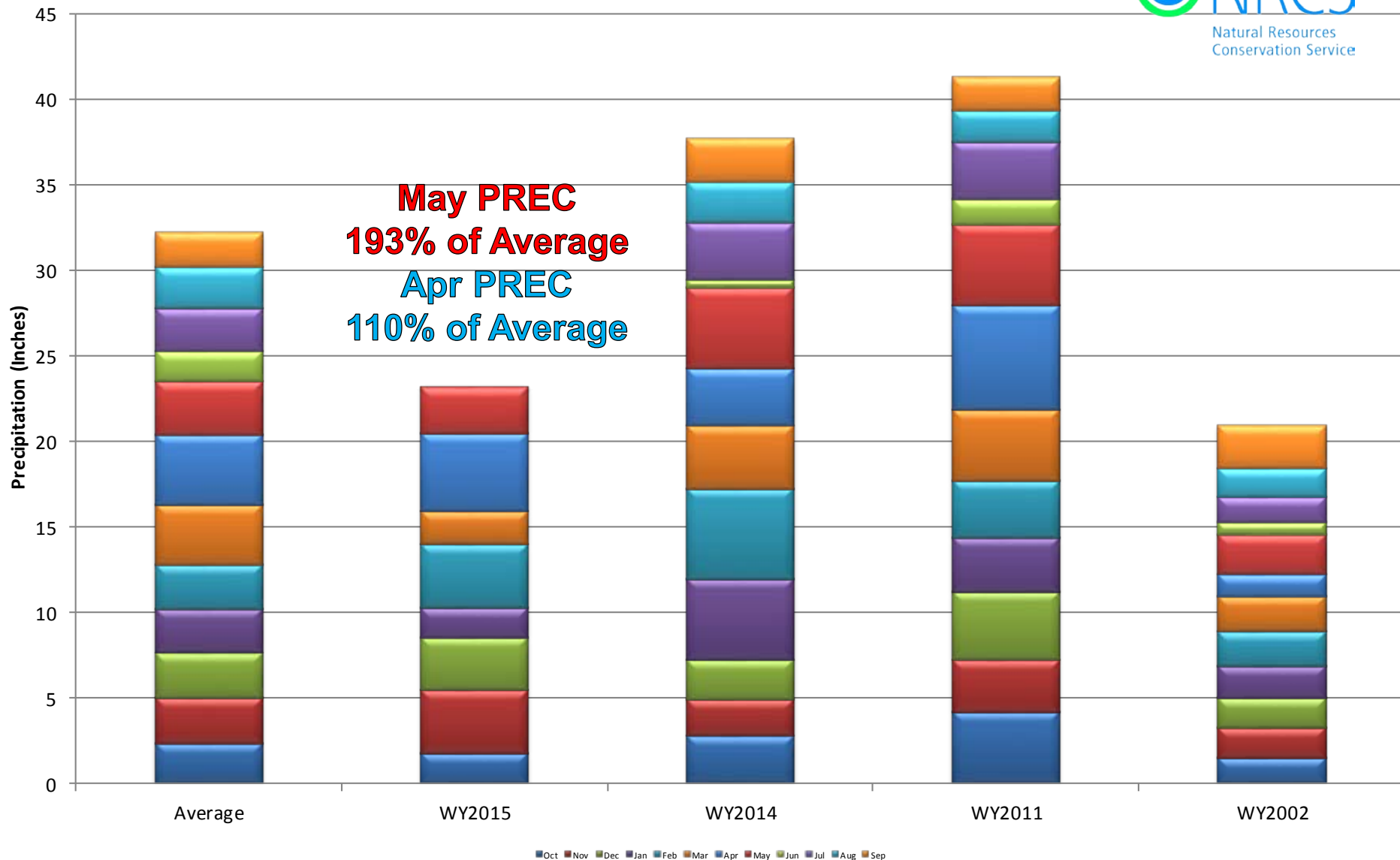


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Colorado Snow Surveys

South Platte River Basin High/Low Monthly Precipitation Summary

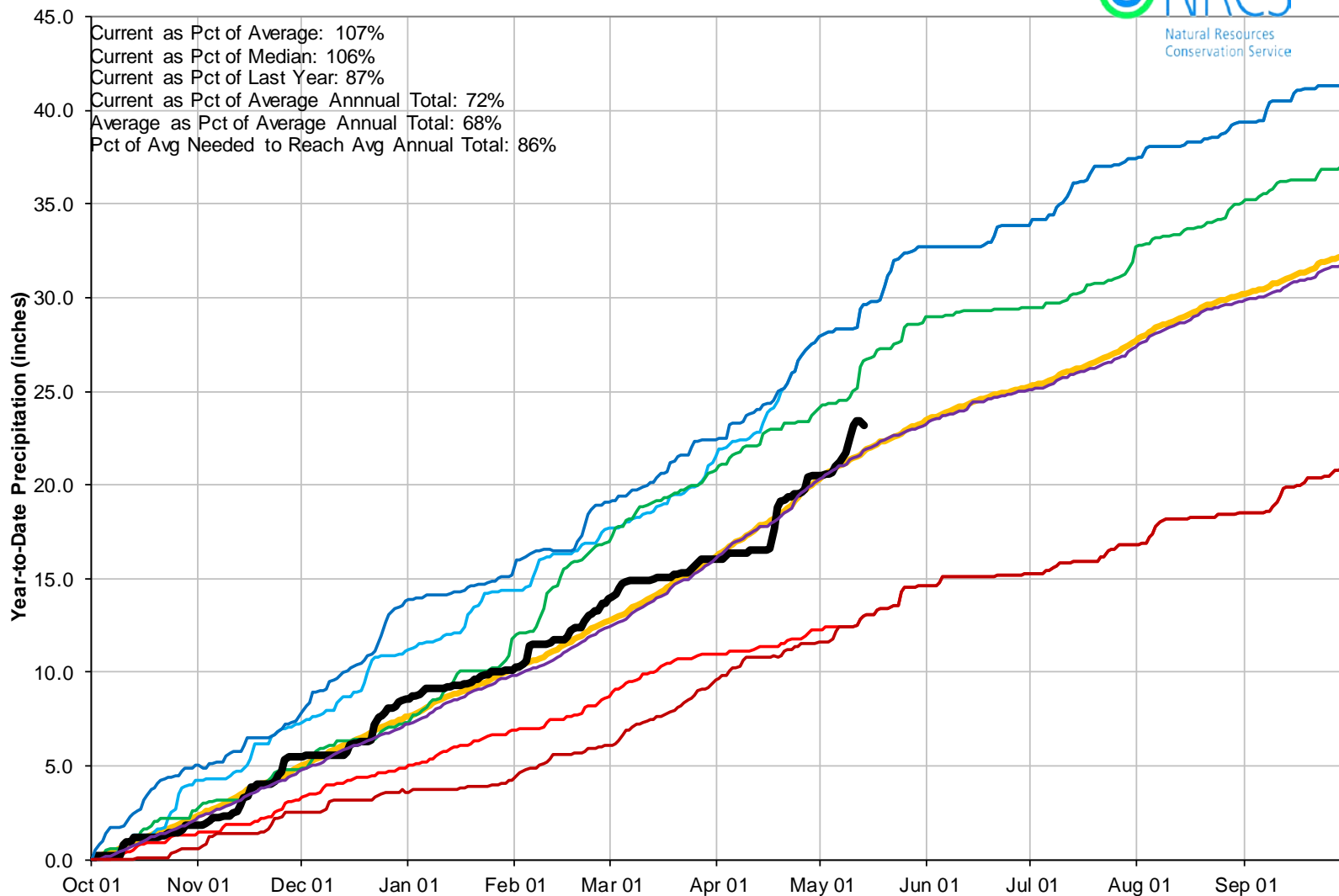
Based on Provisional SNOTEL data as of May 13, 2015





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

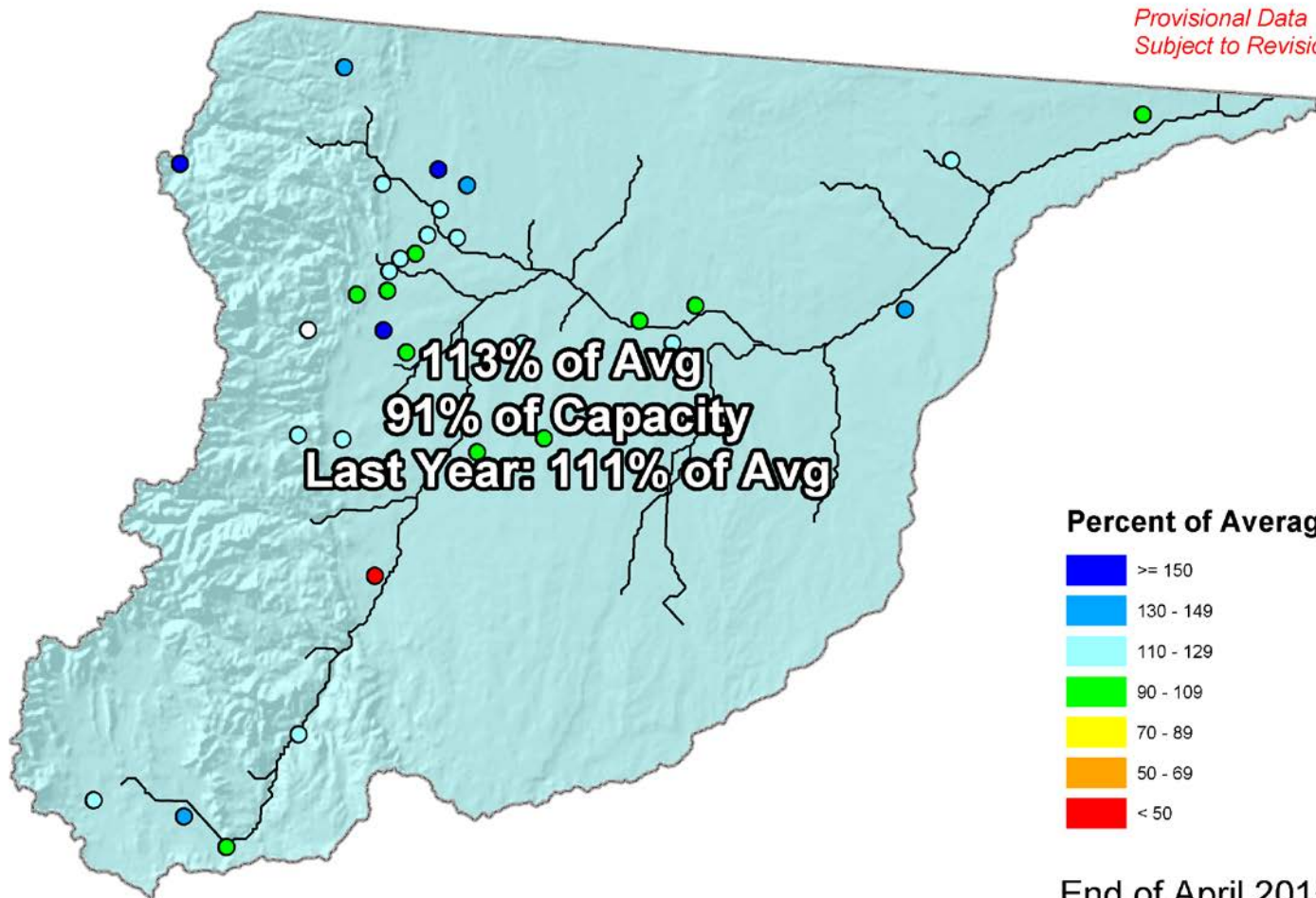
Based on Provisional SNOTEL data as of May 13, 2015



South Platte River Basin Reservoir Storage Map



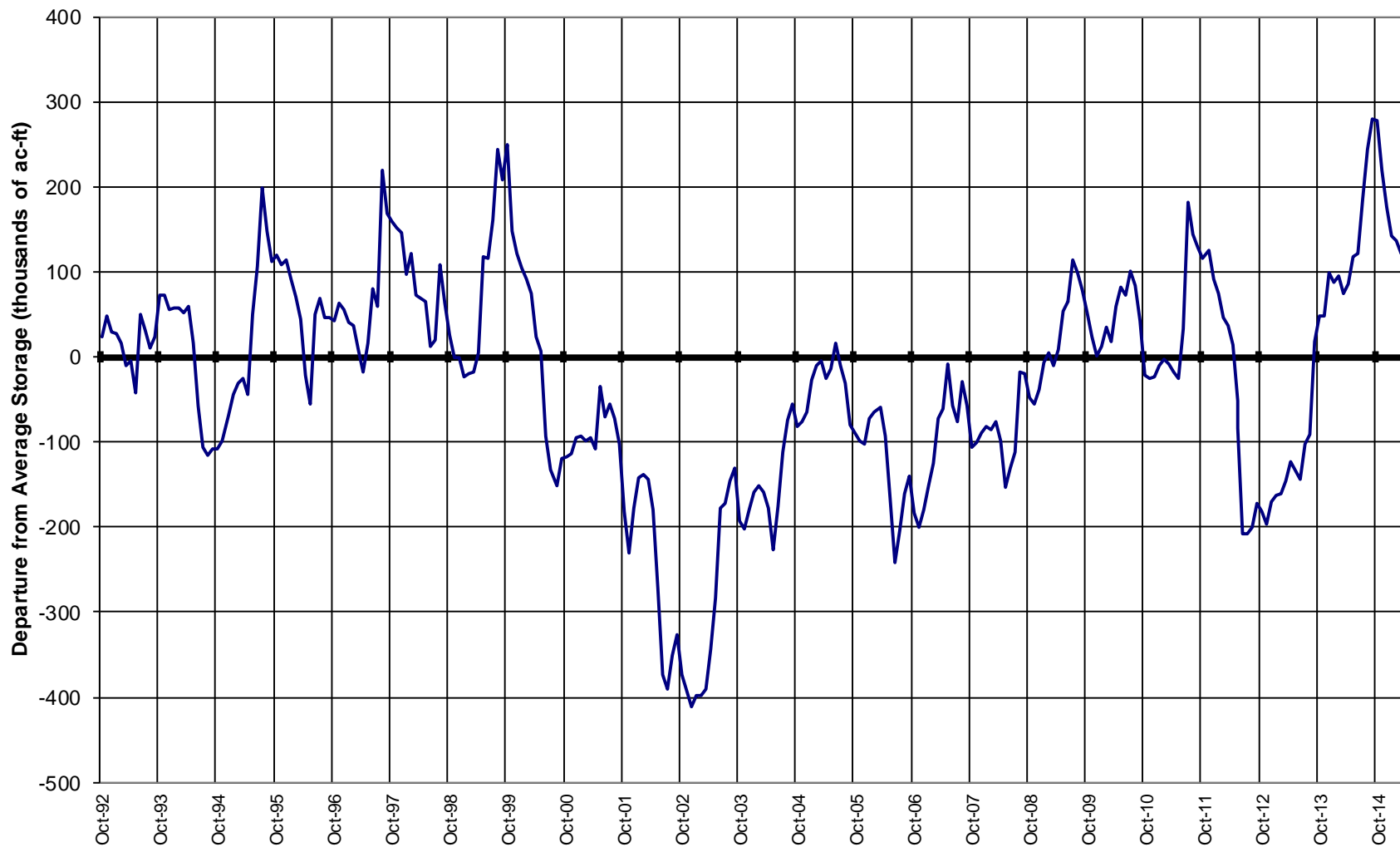
*Provisional Data
Subject to Revision*



End of April 2015



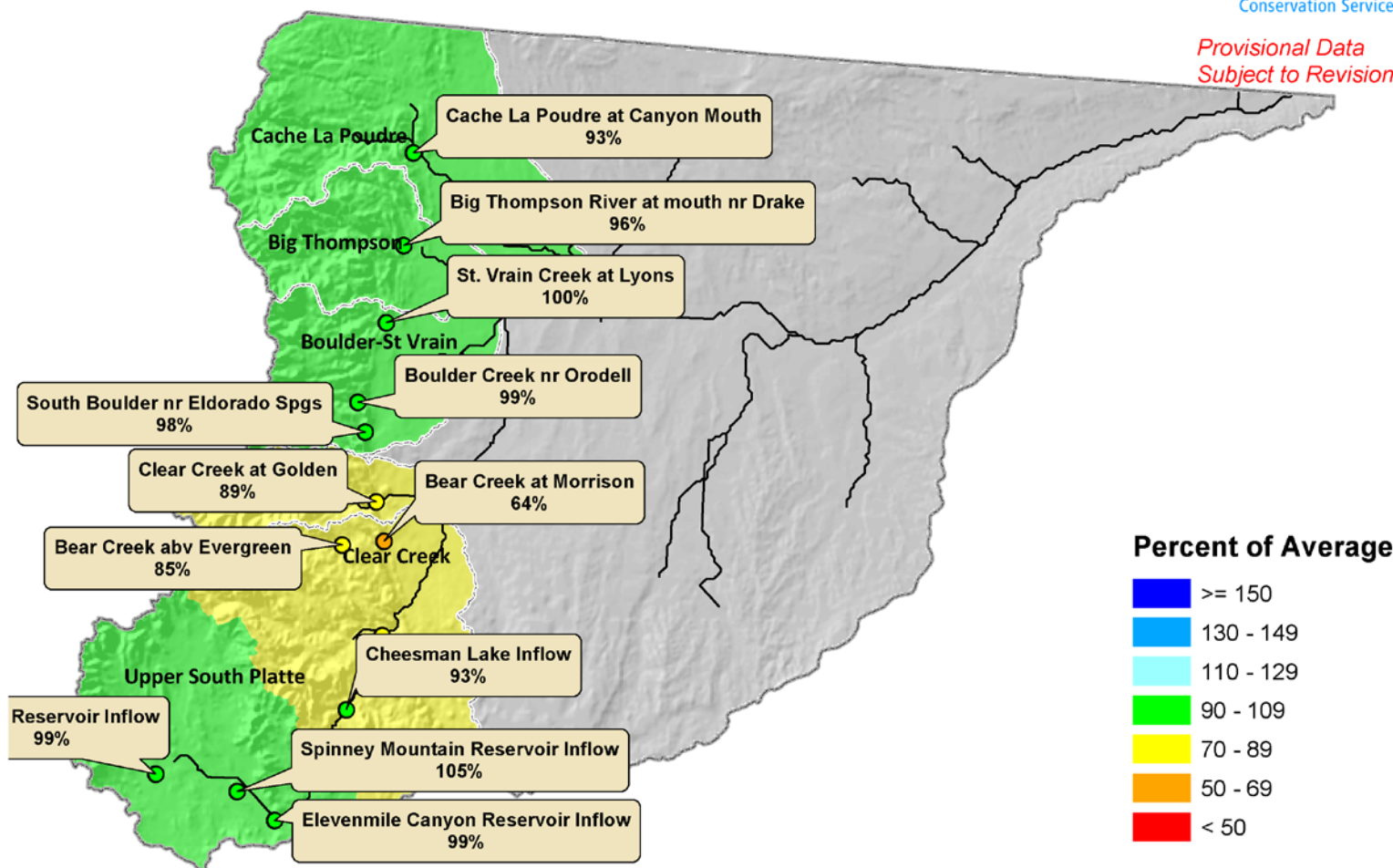
SOUTH PLATTE RIVER BASIN Reservoir Storage Departure from Average



South Platte River Basin Streamflow Forecast Map



*Provisional Data
Subject to Revision*



Current as of May 1, 2015

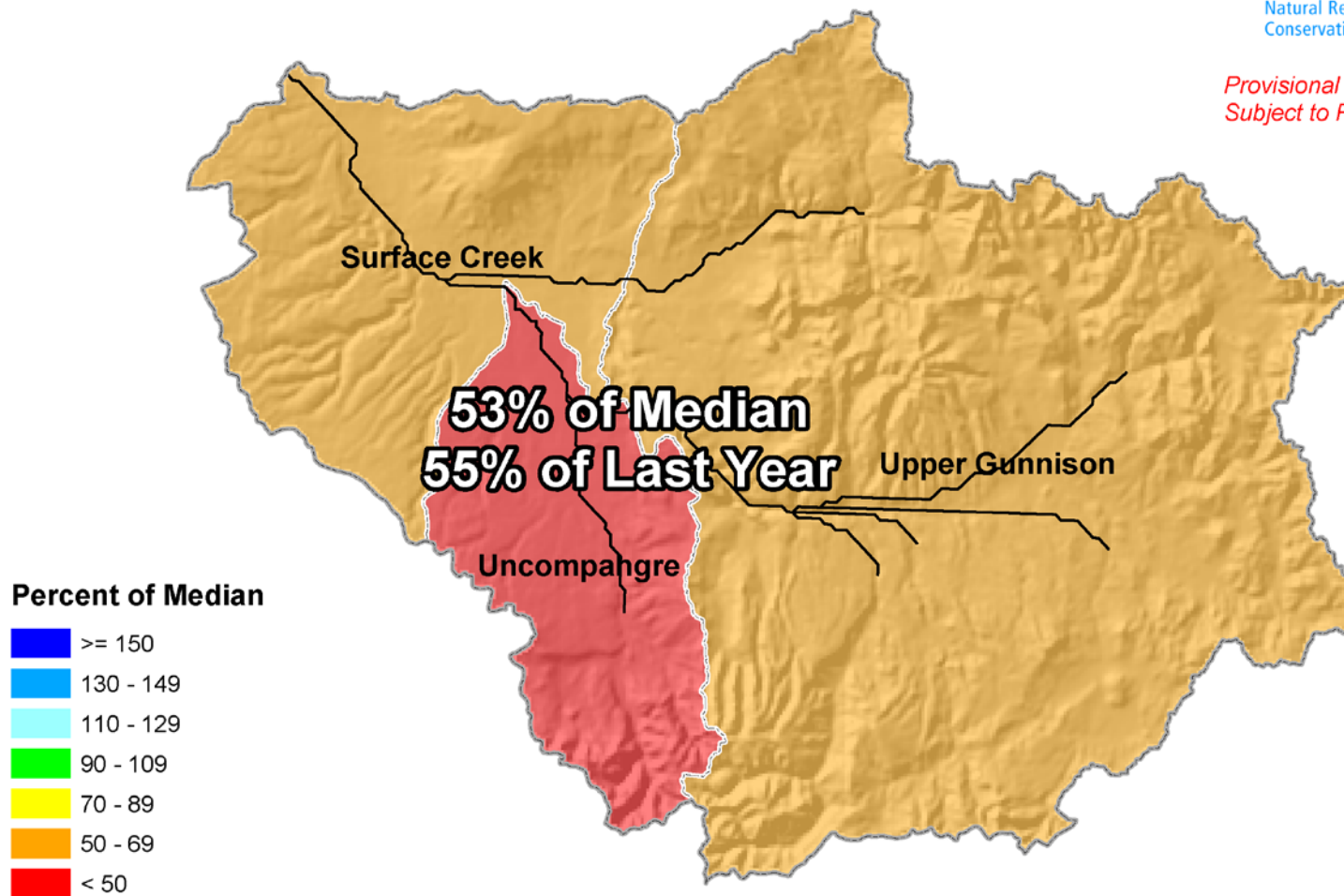
Gunnison River Basin Summary



Gunnison River Basin Snowpack Map



*Provisional Data
Subject to Revision*



Current as of May 1, 2015

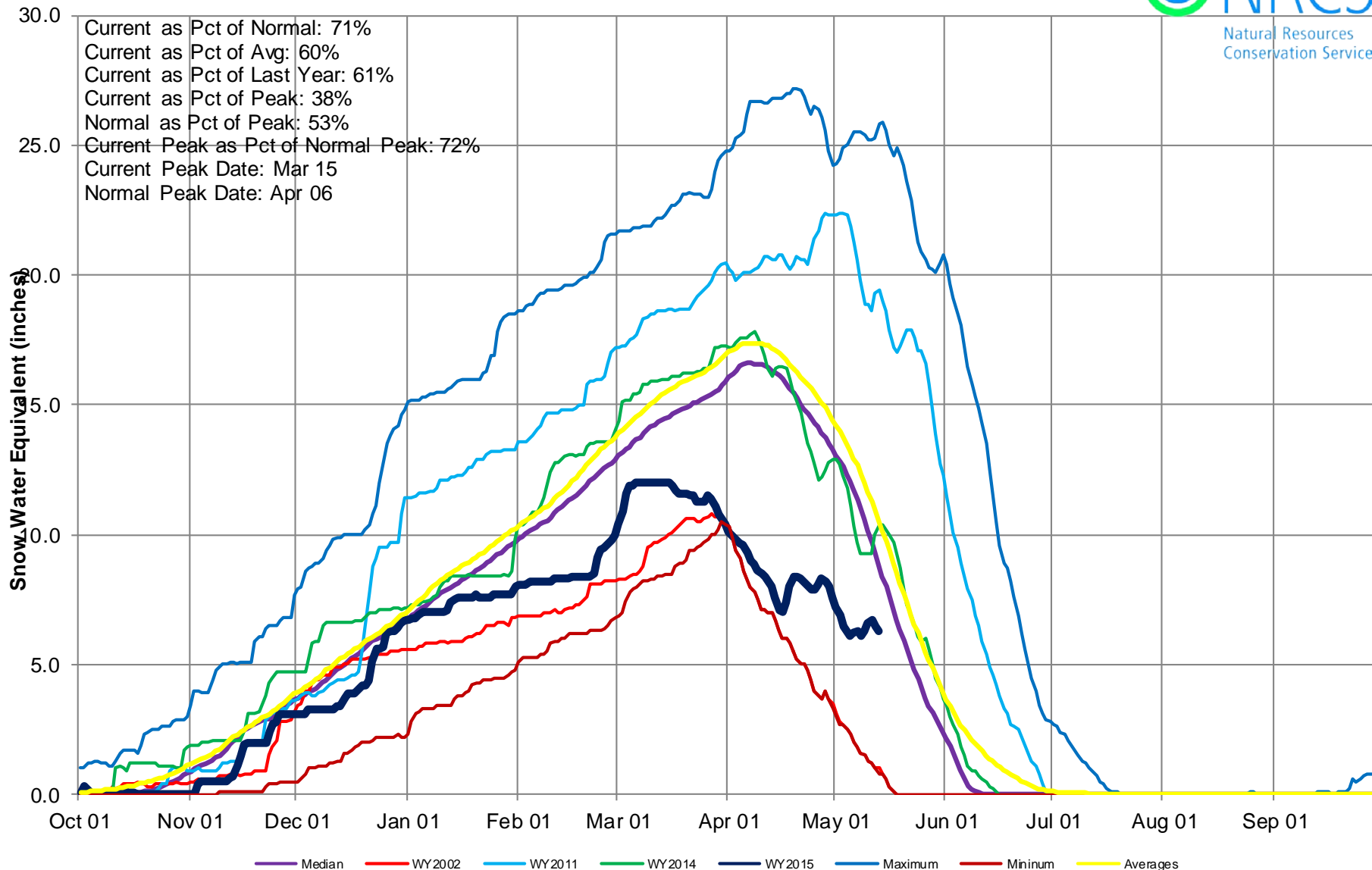


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Colorado Snow Surveys

Gunnison River Basin High/Low Snowpack Summary

Based on Provisional SNOTEL data as of May 13, 2015



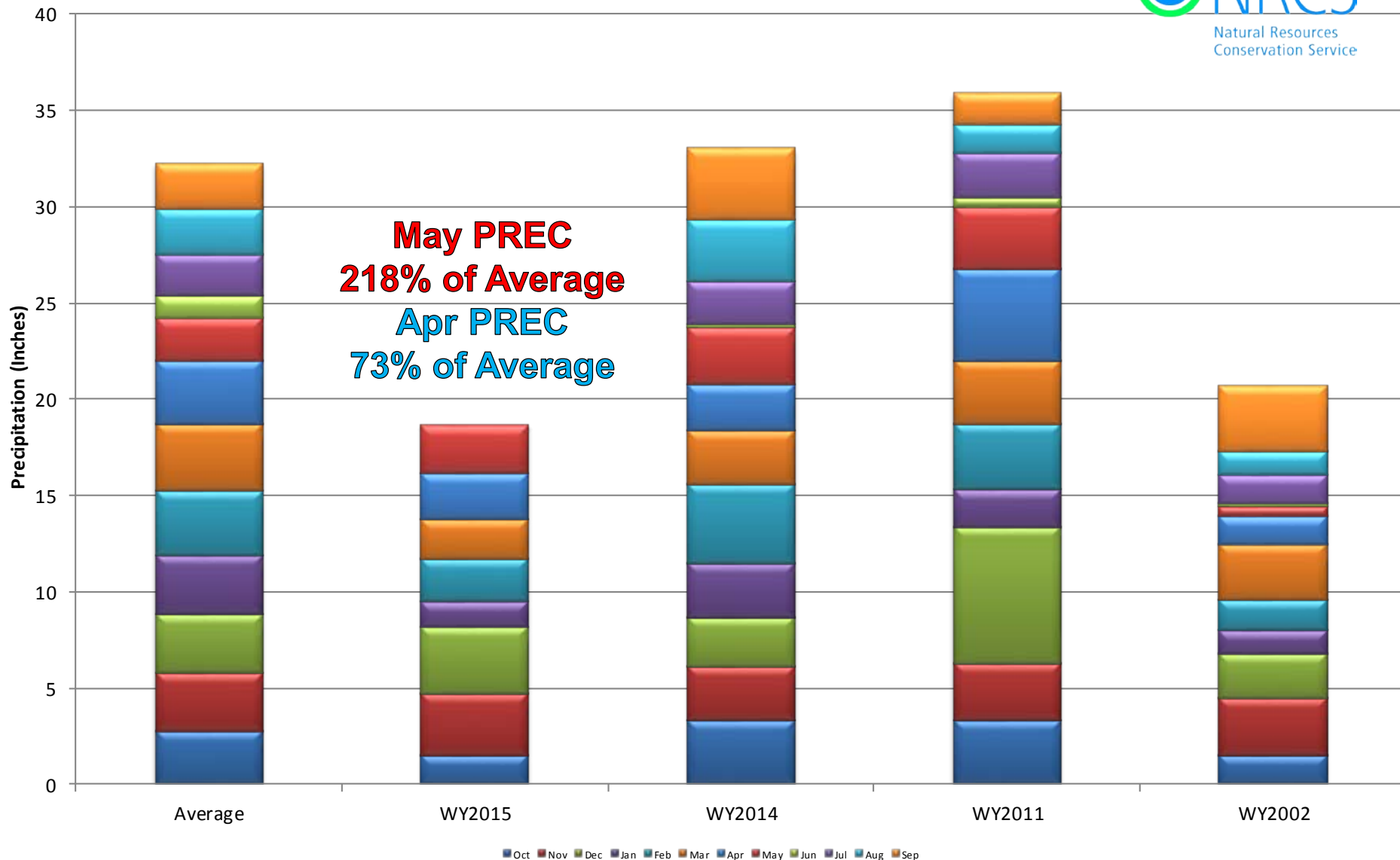


United States Department of Agriculture

Colorado Snow Surveys

Gunnison River Basin High/Low Monthly Precipitation Summary

Based on Provisional SNOTEL data as of May 13, 2015



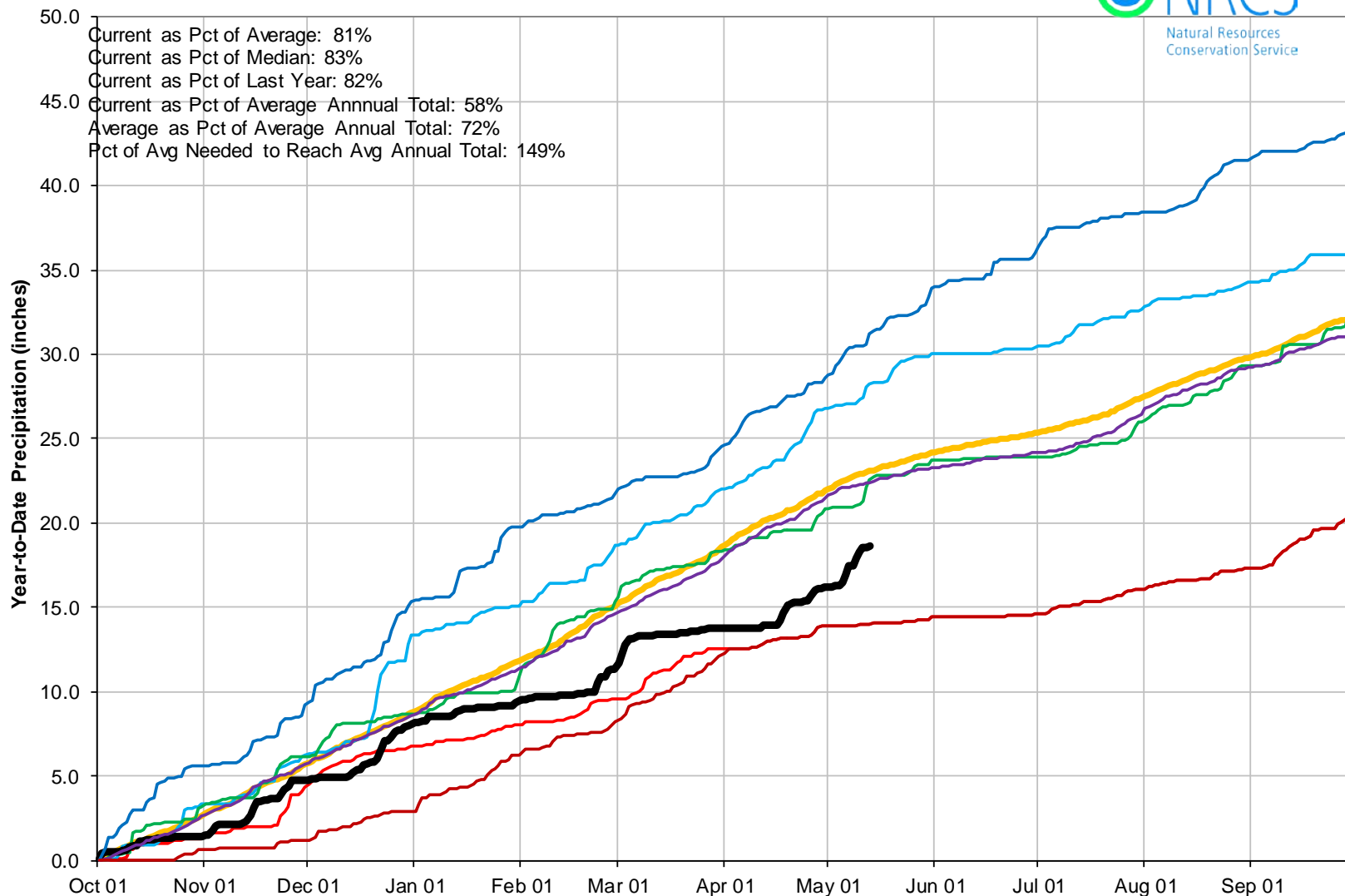


Gunnison River Basin High/Low Year-to-Date Precipitation Summary

Based on Provisional SNOTEL data as of May 13, 2015



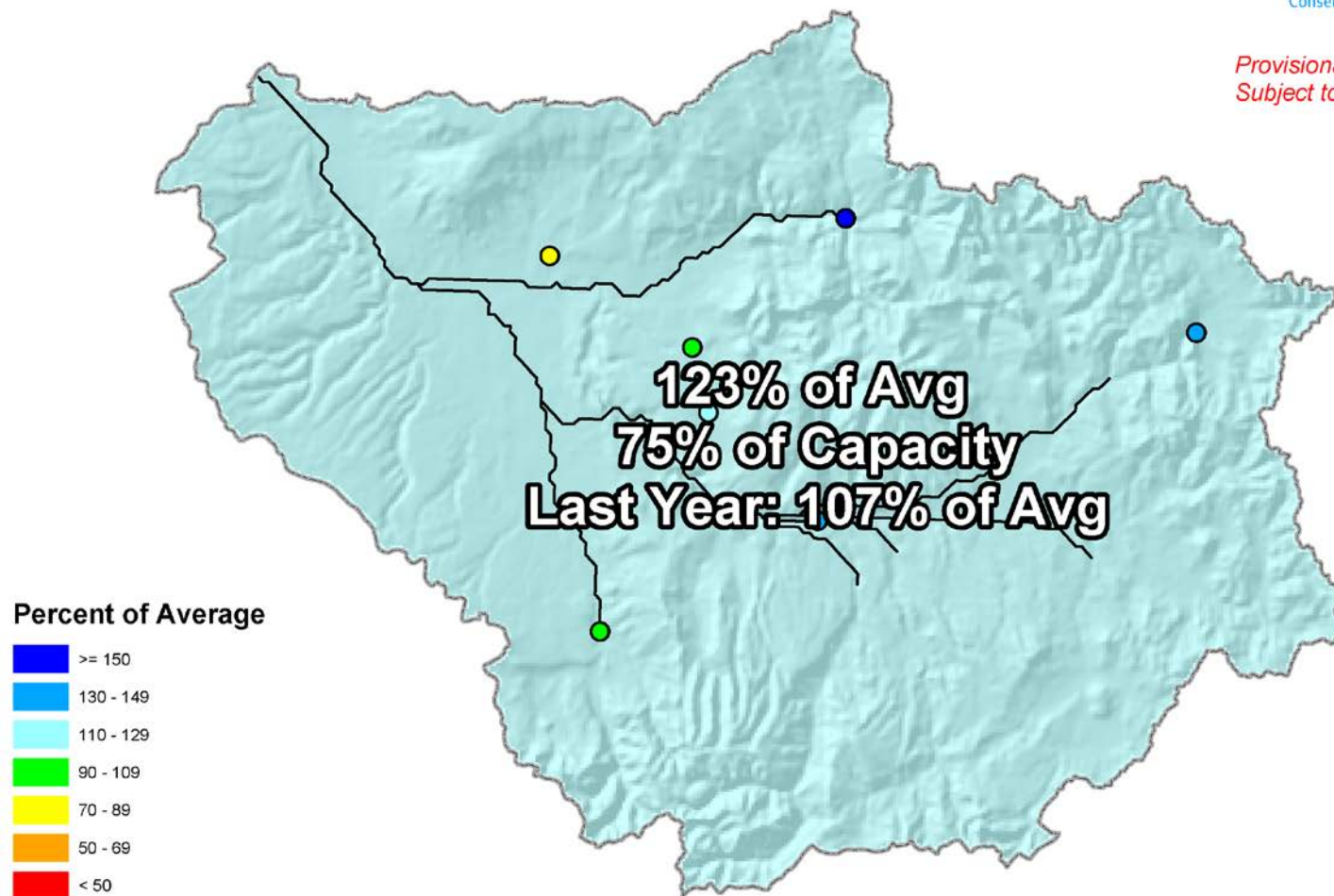
Natural Resources
Conservation Service



Gunnison River Basin Reservoir Storage Map



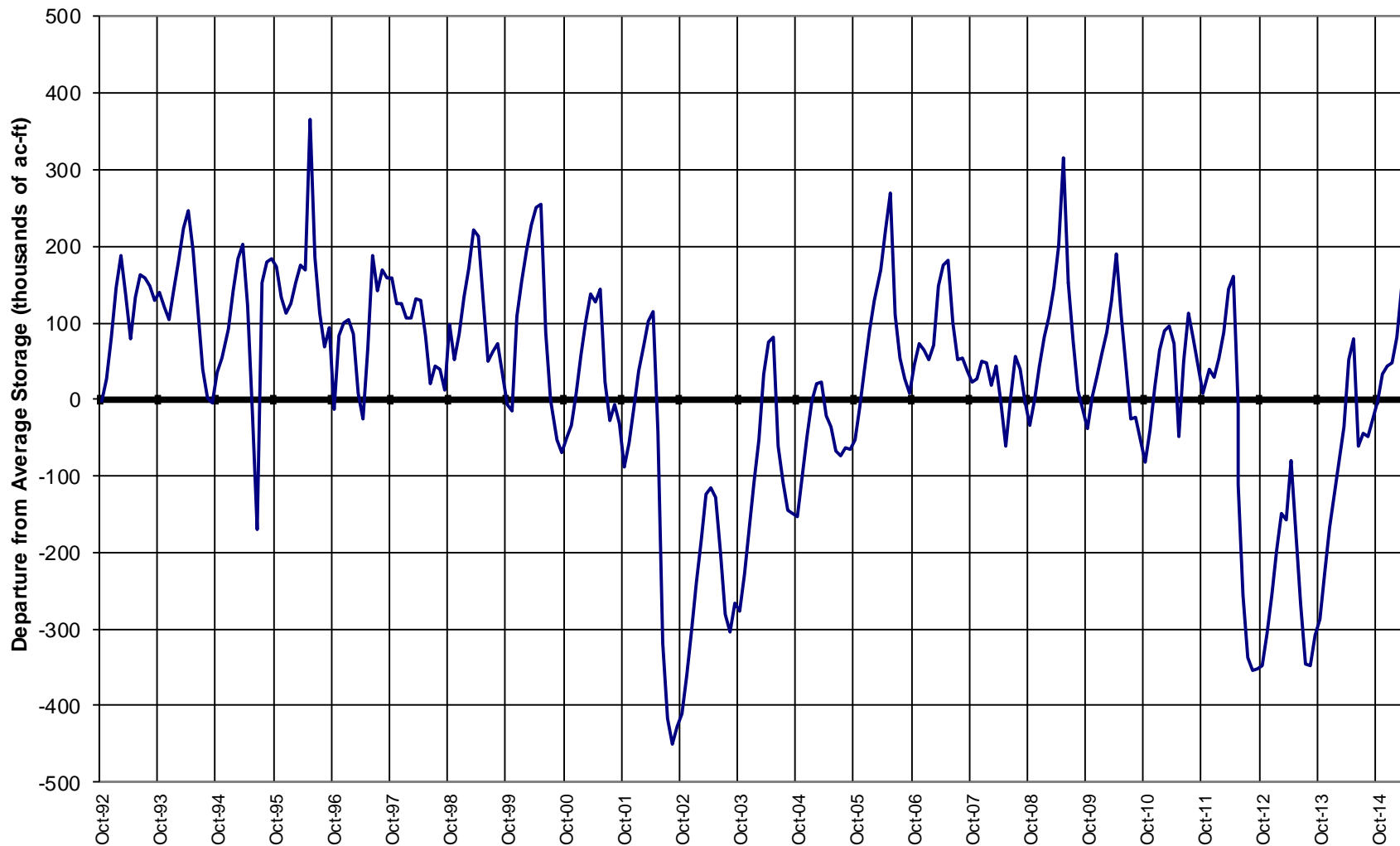
*Provisional Data
Subject to Revision*



End of April 2015



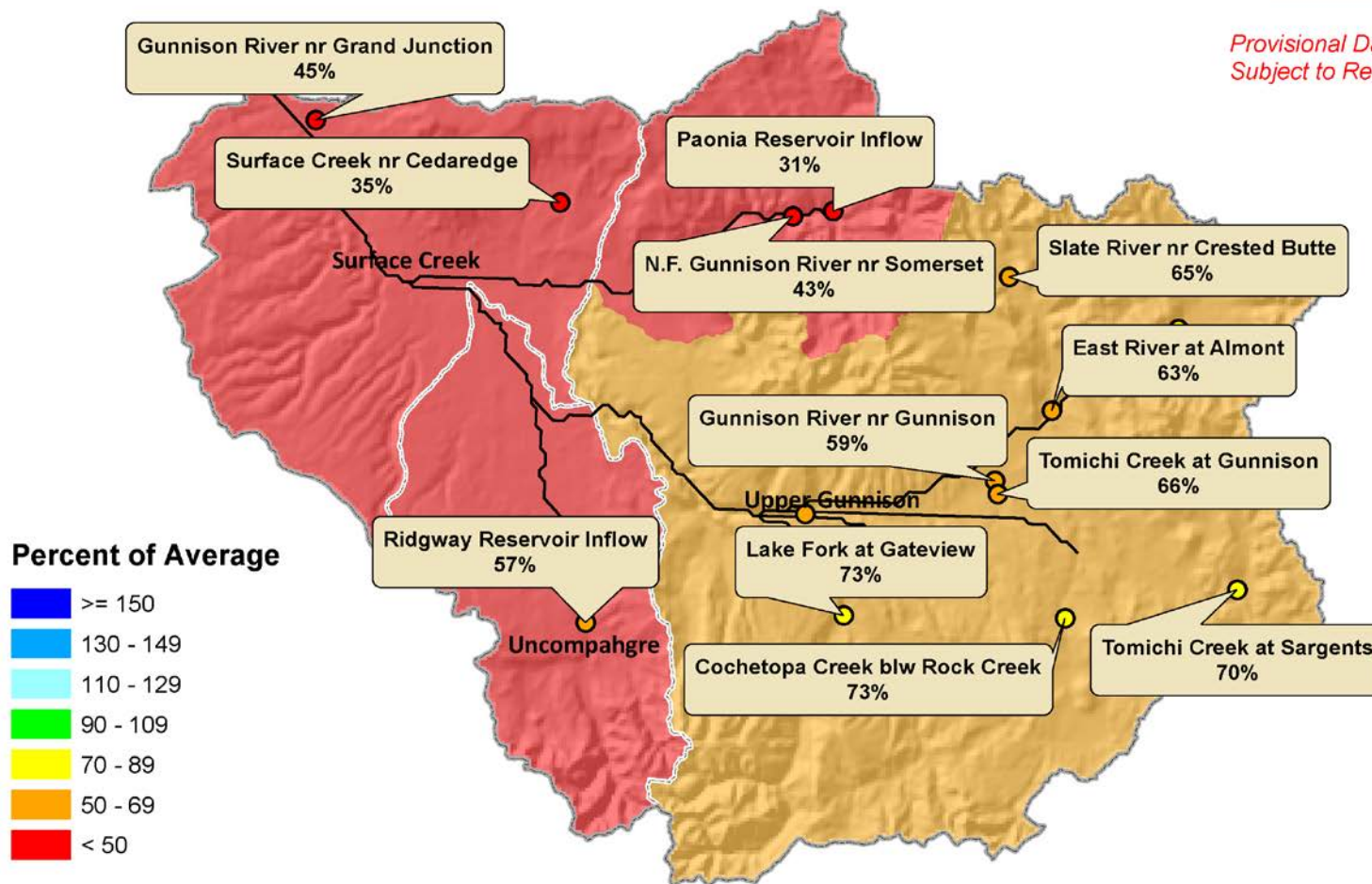
GUNNISON RIVER BASIN Reservoir Storage Departure from Average



Gunnison River Basin Streamflow Forecast Map



*Provisional Data
Subject to Revision*



Current as of May 1, 2015

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

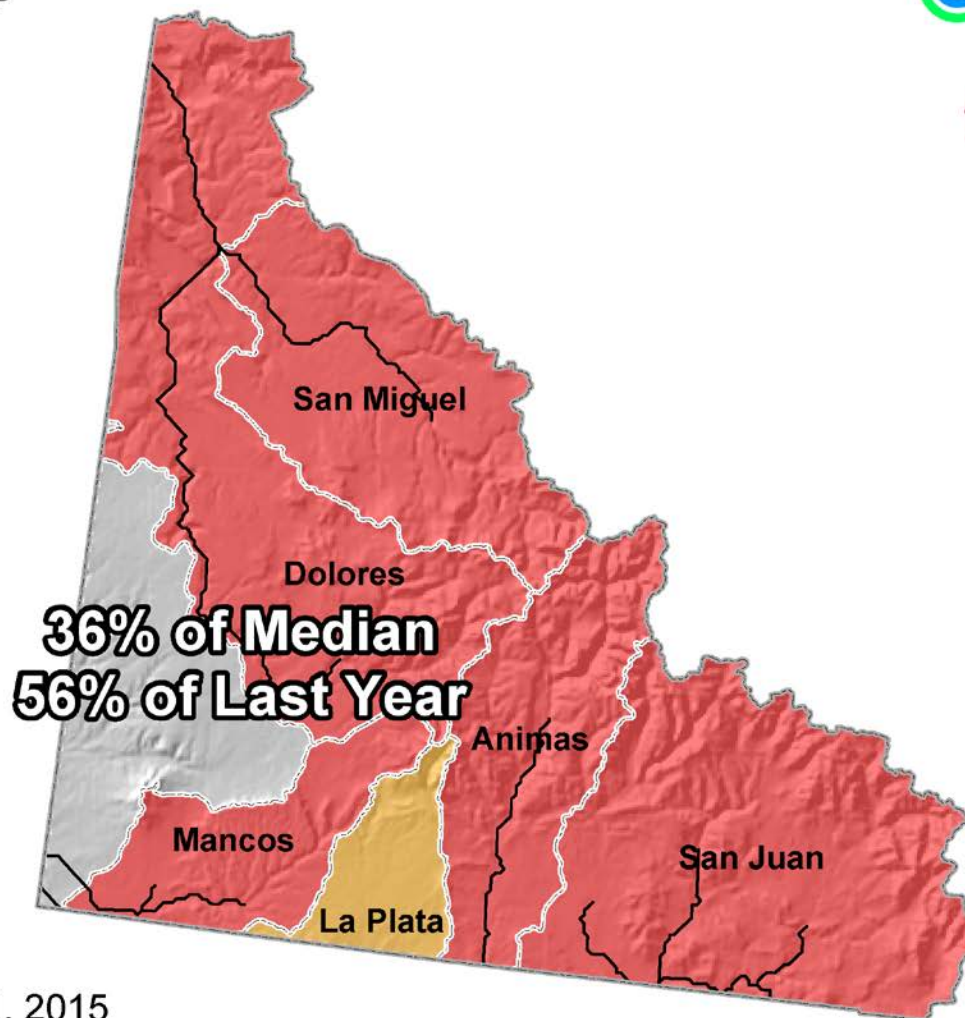


San Miguel, Dolores, Animas and San Juan River Basins Snowpack Map

Percent of Median



*Provisional Data
Subject to Revision*



Current as of May 1, 2015



United States Department of Agriculture

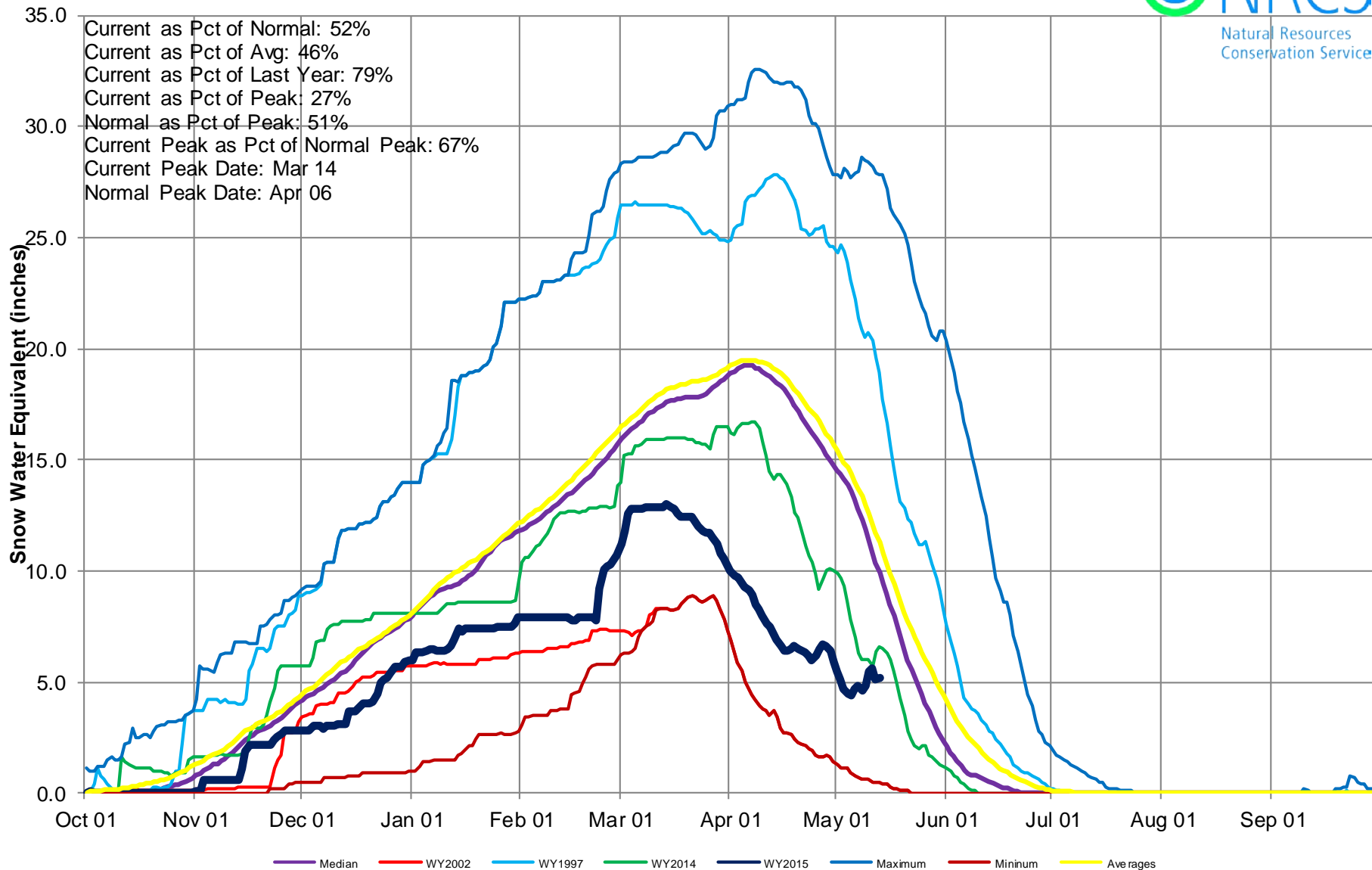
Colorado Snow Surveys

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

Based on Provisional SNOTEL data as of May 13, 2015



Current as Pct of Normal: 52%
Current as Pct of Avg: 46%
Current as Pct of Last Year: 79%
Current as Pct of Peak: 27%
Normal as Pct of Peak: 51%
Current Peak as Pct of Normal Peak: 67%
Current Peak Date: Mar 14
Normal Peak Date: Apr 06



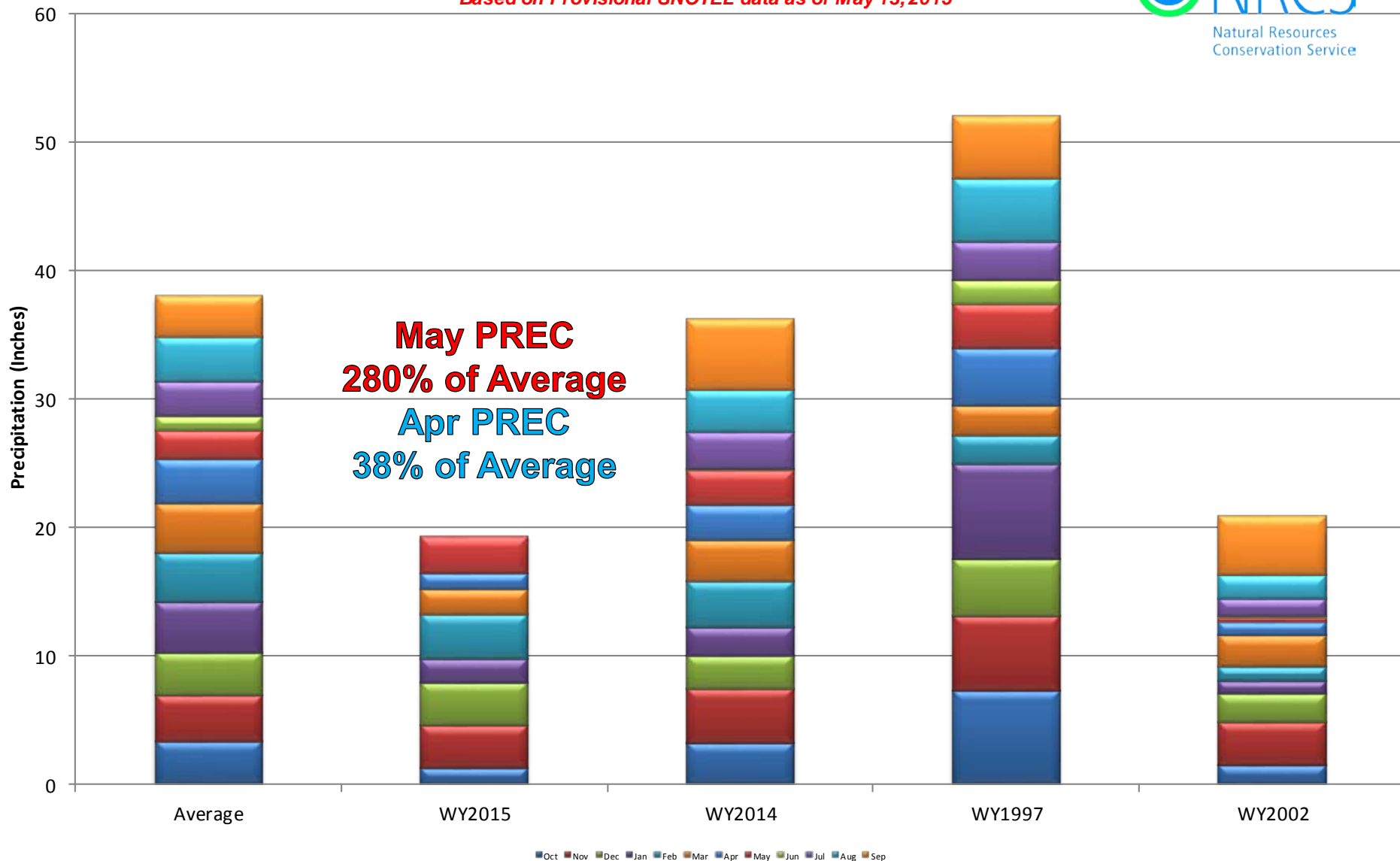


United States Department of Agriculture

Colorado Snow Surveys

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

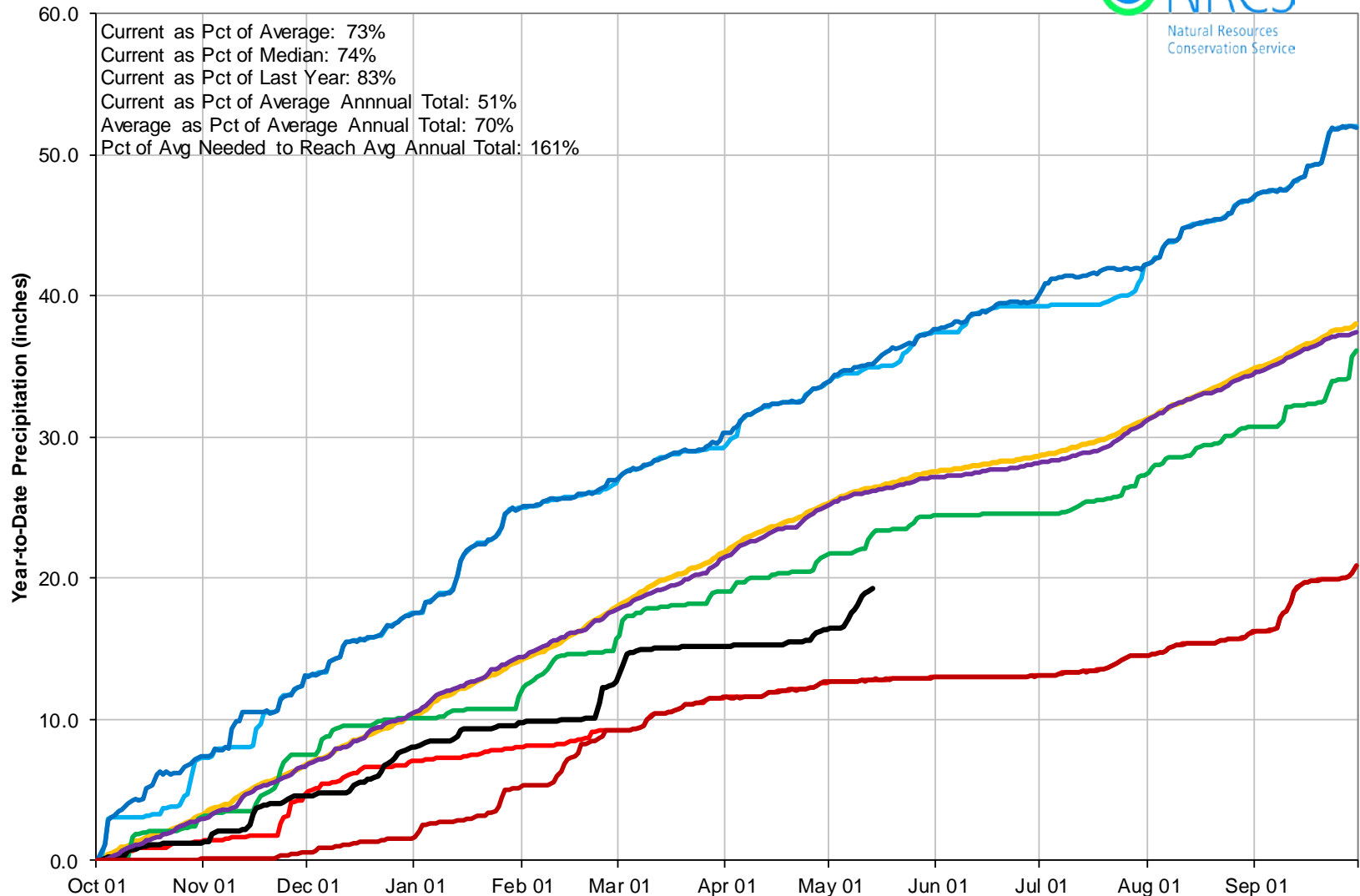
Based on Provisional SNOTEL data as of May 13, 2015





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

Based on Provisional SNOTEL data as of May 13, 2015

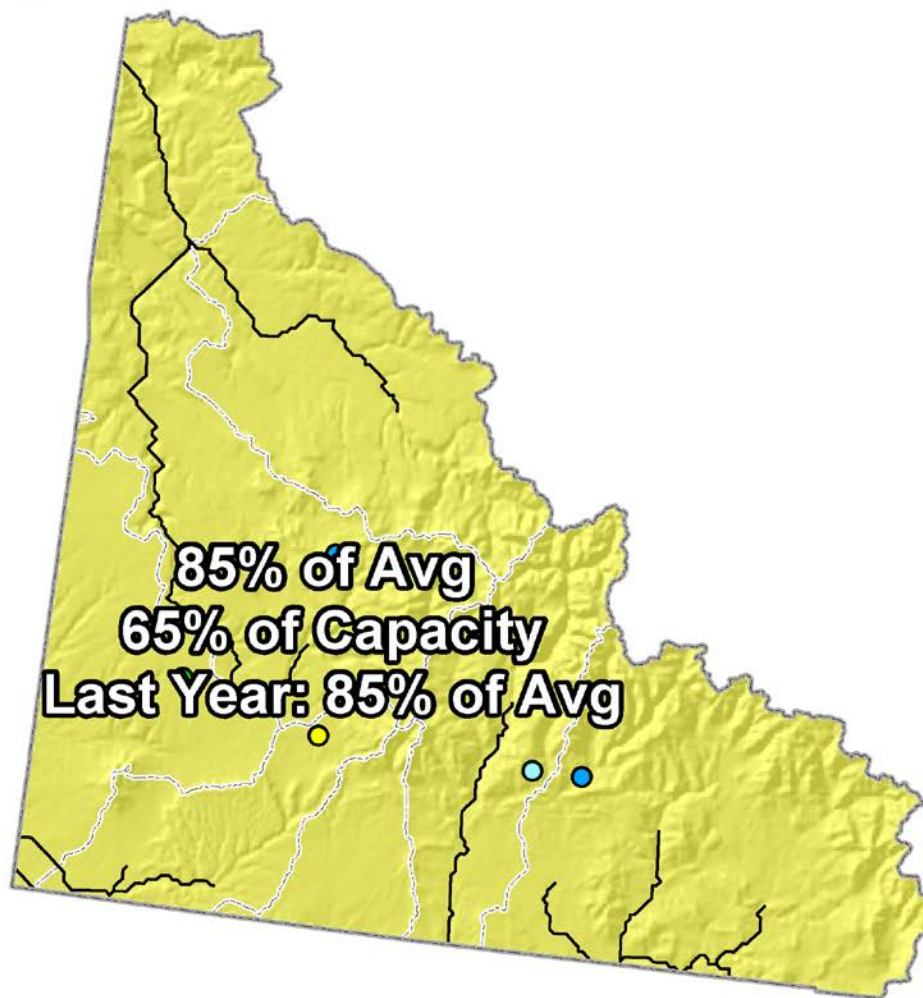


San Miguel, Dolores, Animas and San Juan River Basins Reservoir Storage Map



*Provisional Data
Subject to Revision*

Percent of Average

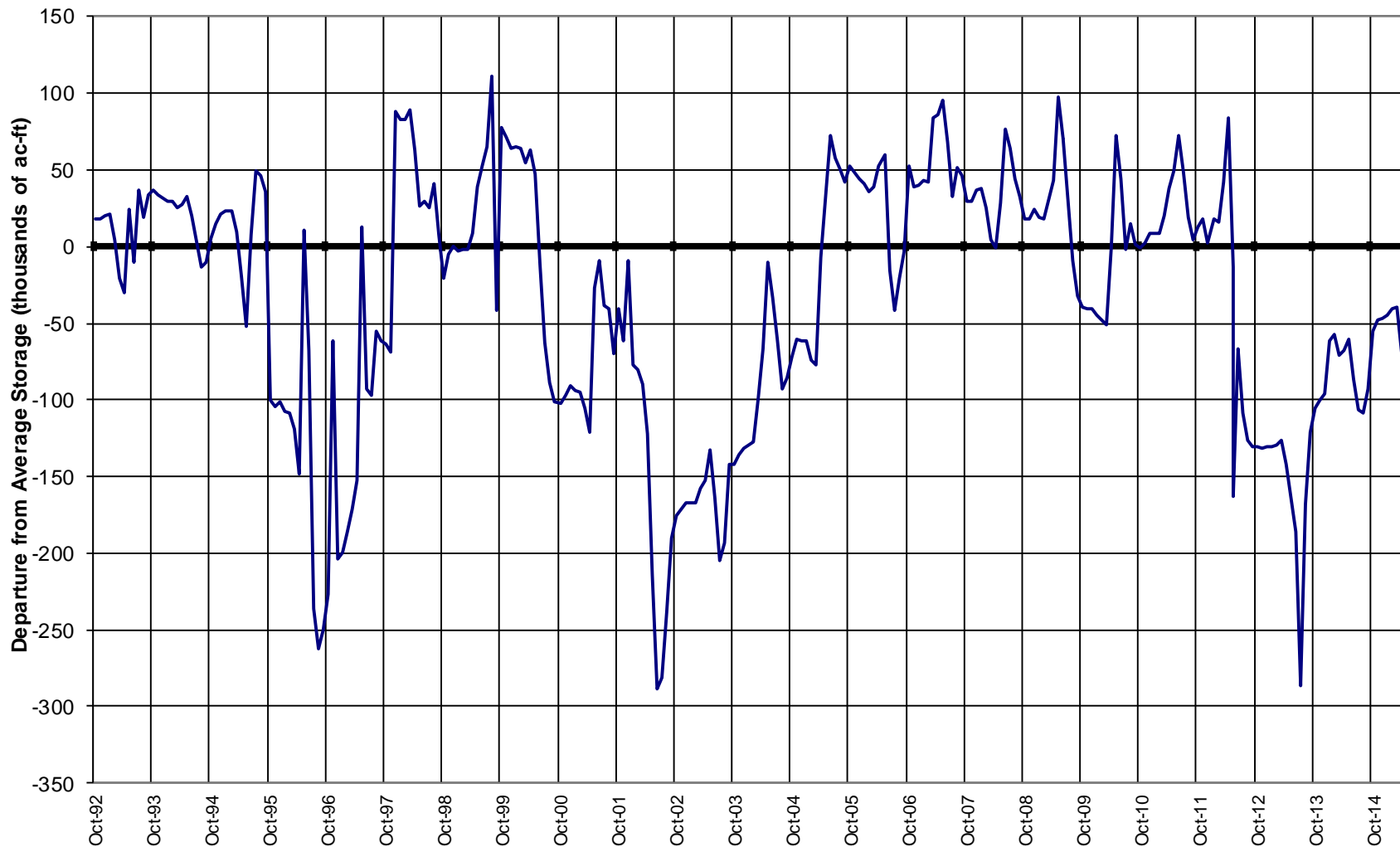


End of April 2015



SAN MIGUEL, DOLORES, ANIMAS AND SAN JUAN RIVER BASINS

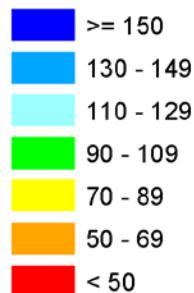
Reservoir Storage
Departure from Average



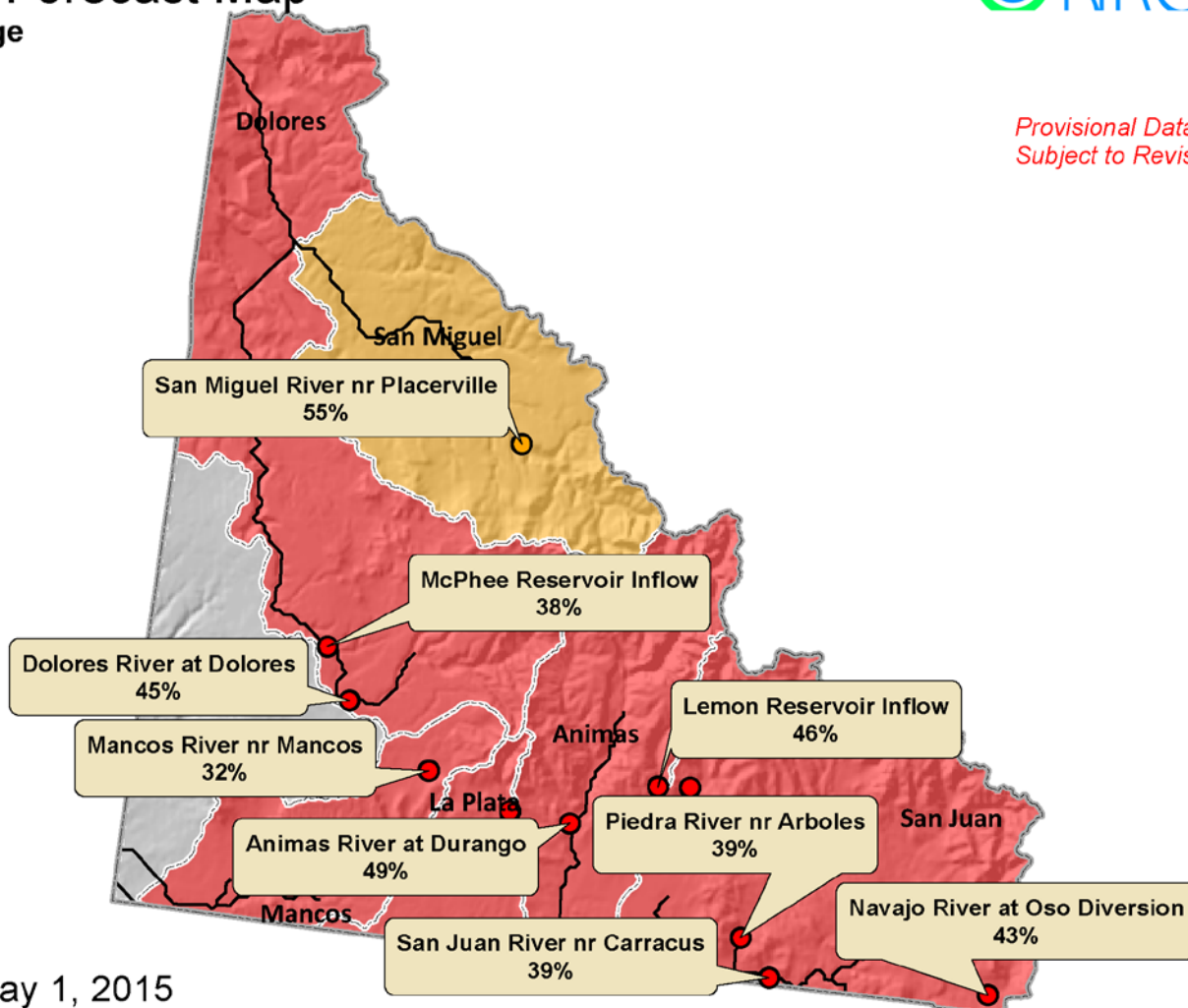
San Miguel, Dolores, Animas and San Juan River Basins Streamflow Forecast Map



Percent of Average

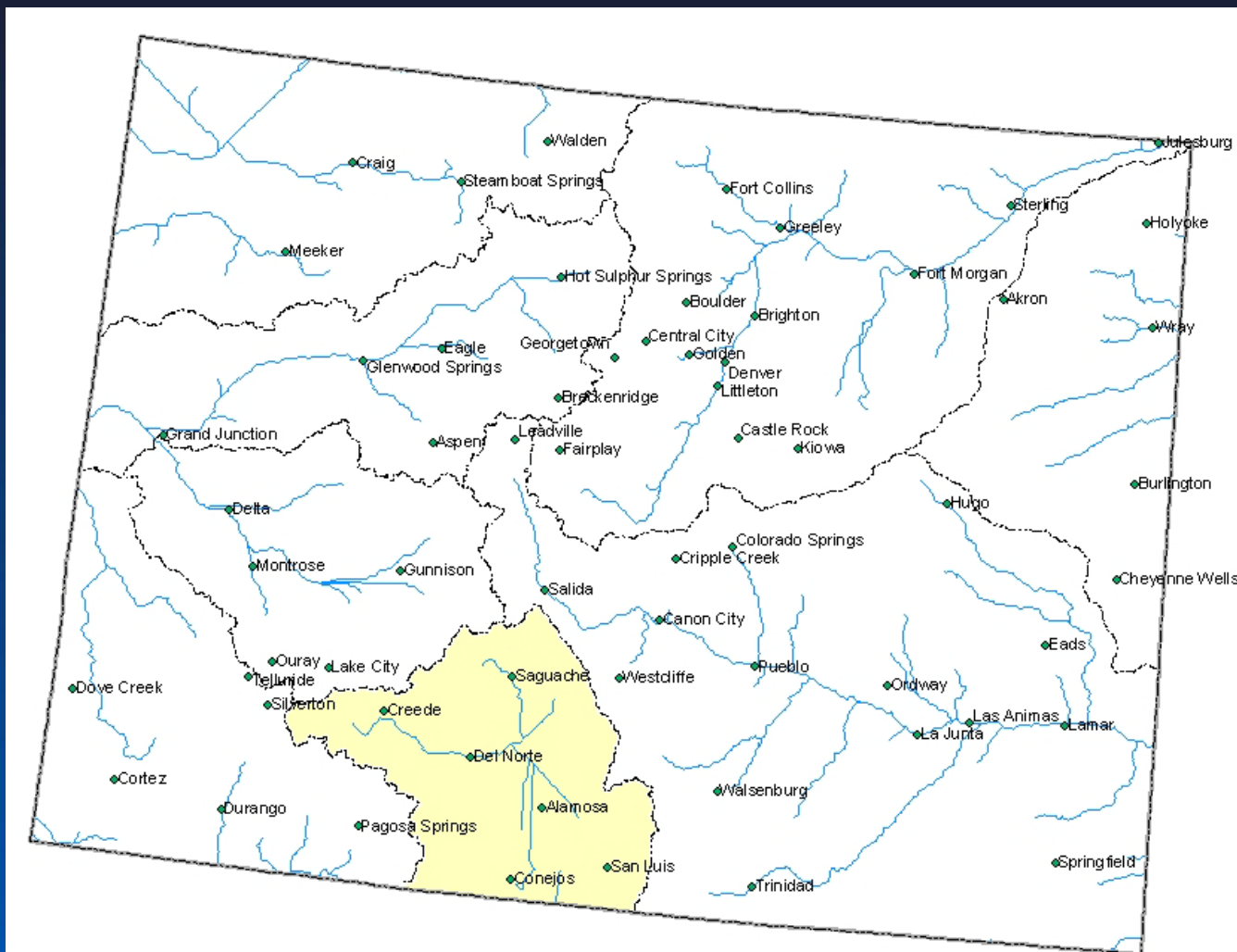


*Provisional Data
Subject to Revision*



Current as of May 1, 2015

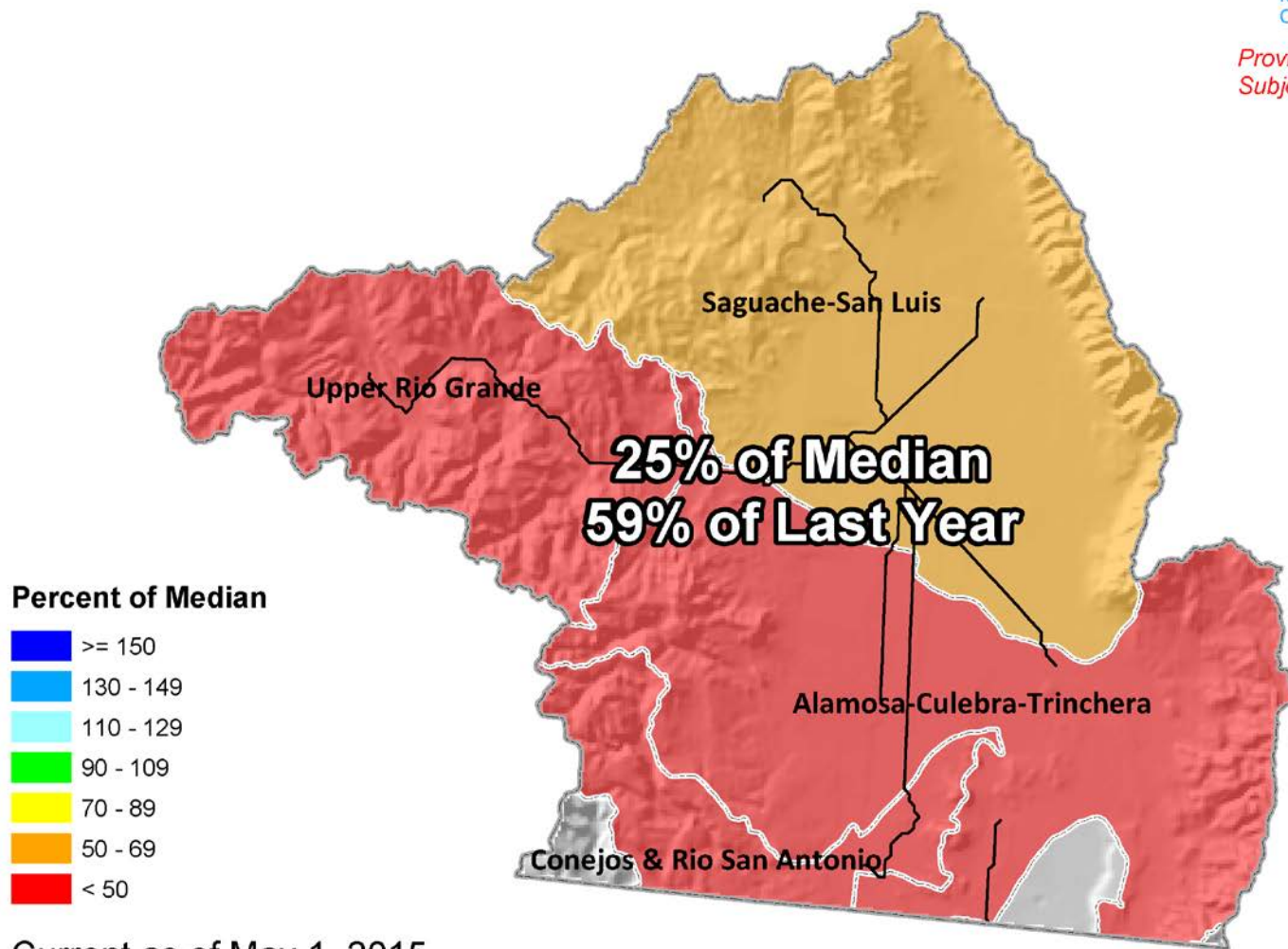
Upper Rio Grande Basin Summary



Upper Rio Grande Basin Snowpack Map



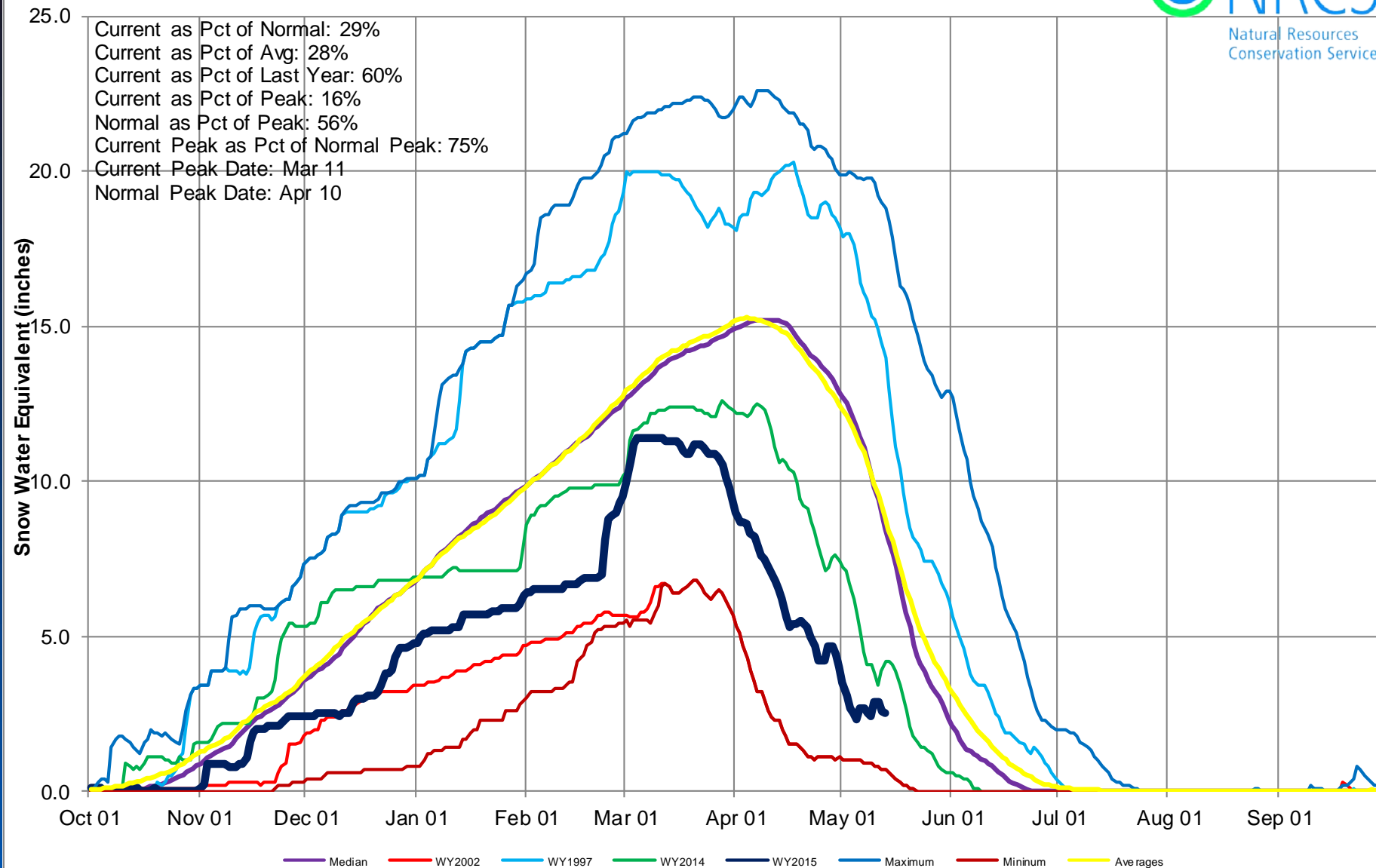
*Provisional Data
Subject to Revision*



Current as of May 1, 2015

Upper Rio Grande Basin High/Low Snowpack Summary

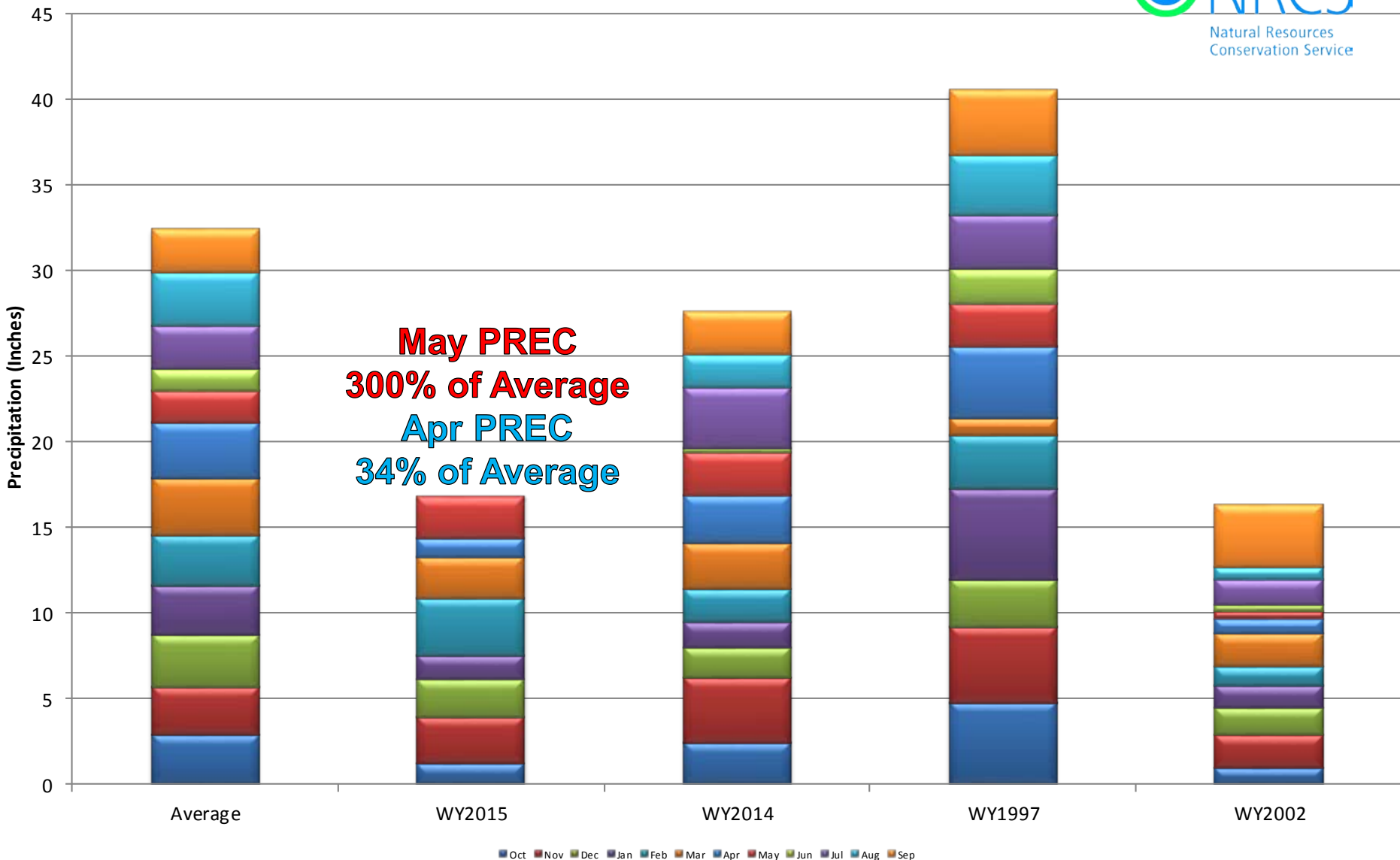
Based on Provisional SNOTEL data as of May 13, 2015





Upper Rio Grande Basin High/Low Monthly Precipitation Summary

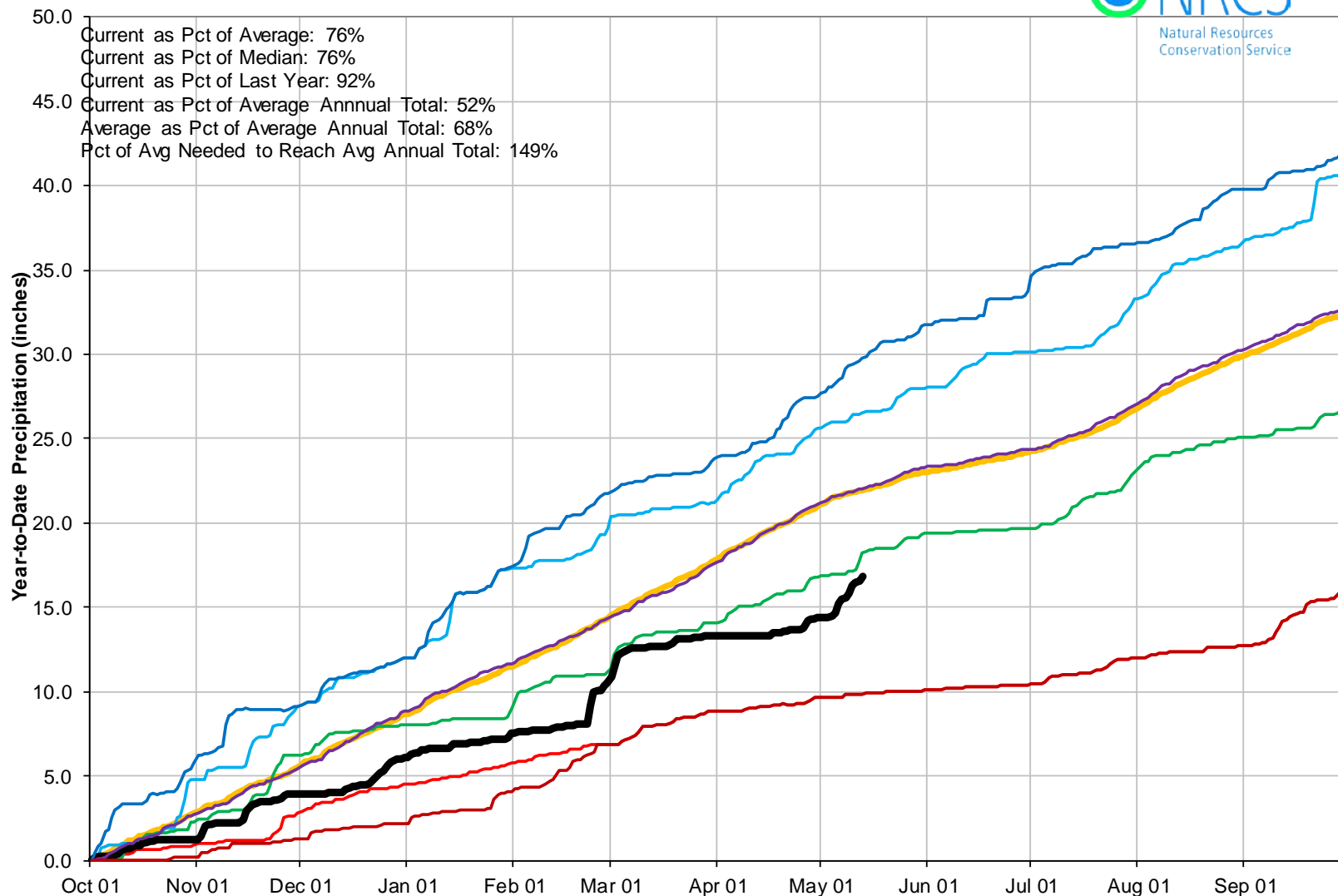
Based on Provisional SNOTEL data as of May 13, 2015





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

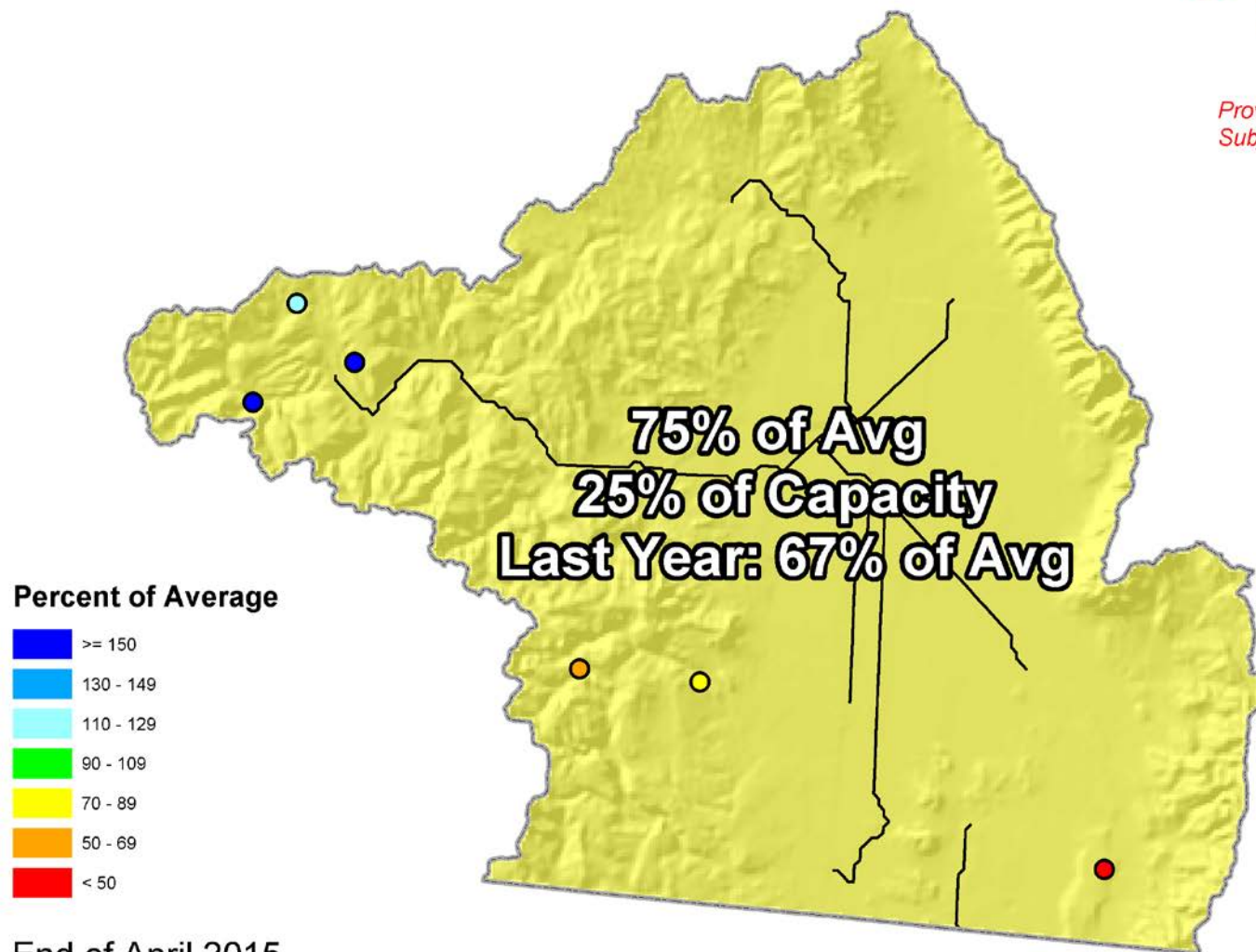
Based on Provisional SNOTEL data as of May 13, 2015



Upper Rio Grande Basin Reservoir Storage Map



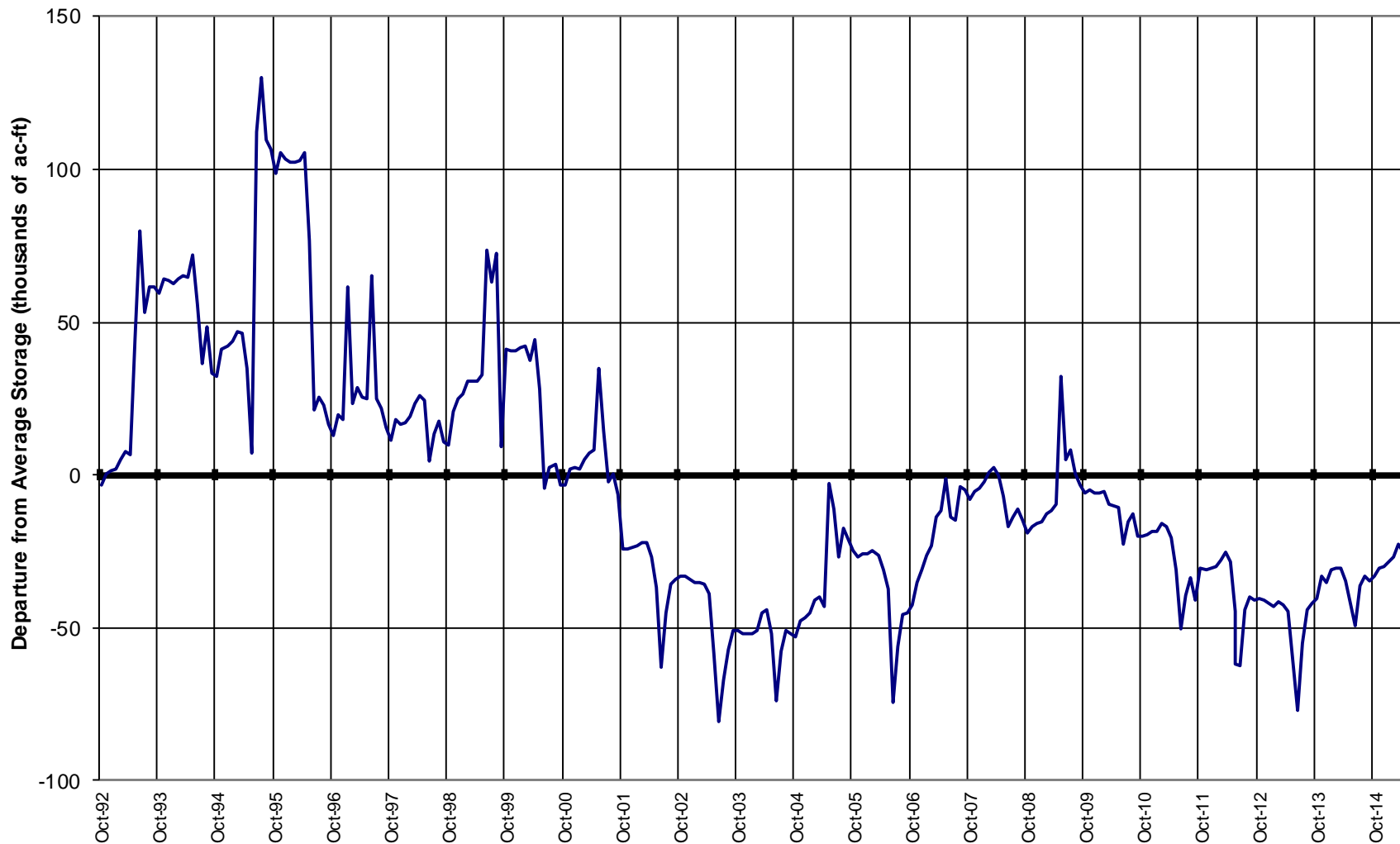
*Provisional Data
Subject to Revision*



End of April 2015

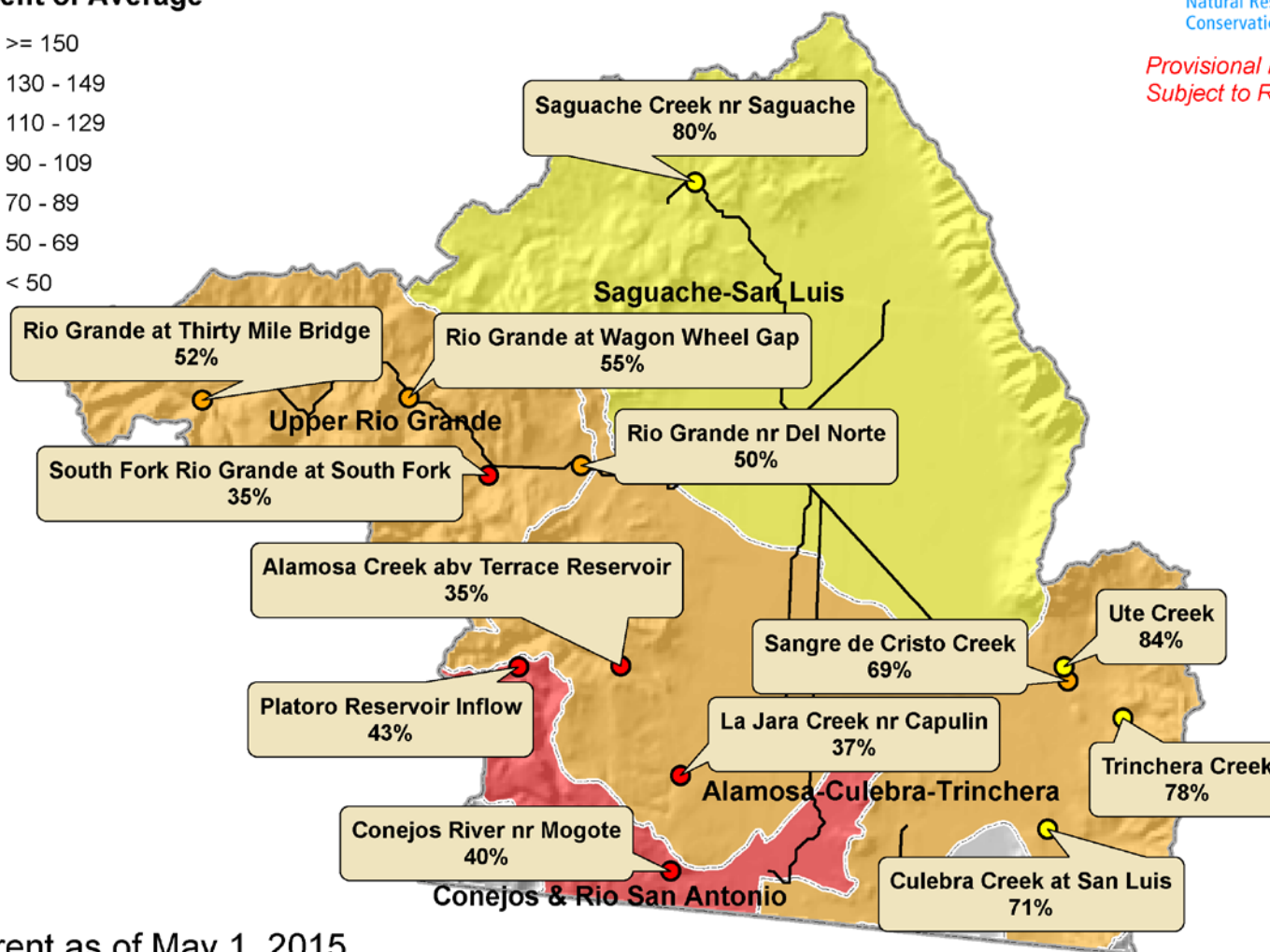
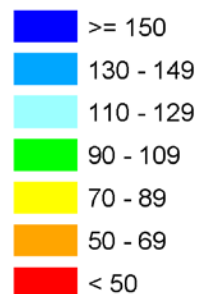


UPPER RIO GRANDE BASIN Reservoir Storage Departure from Average



Upper Rio Grande Basin Streamflow Forecast Map

Percent of Average



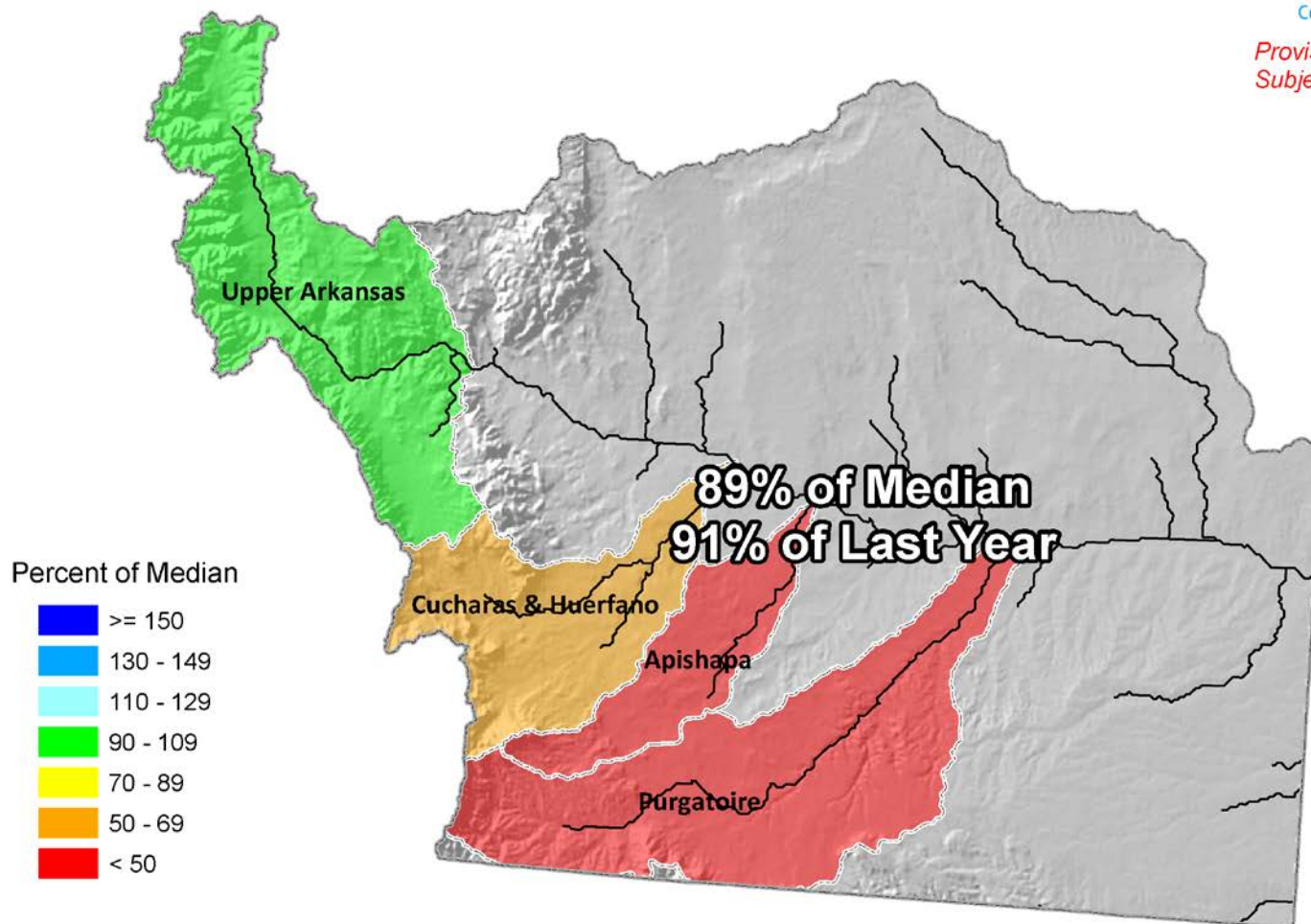
Arkansas River Basin Summary



Arkansas River Basin Snowpack Map



*Provisional Data
Subject to Revision*

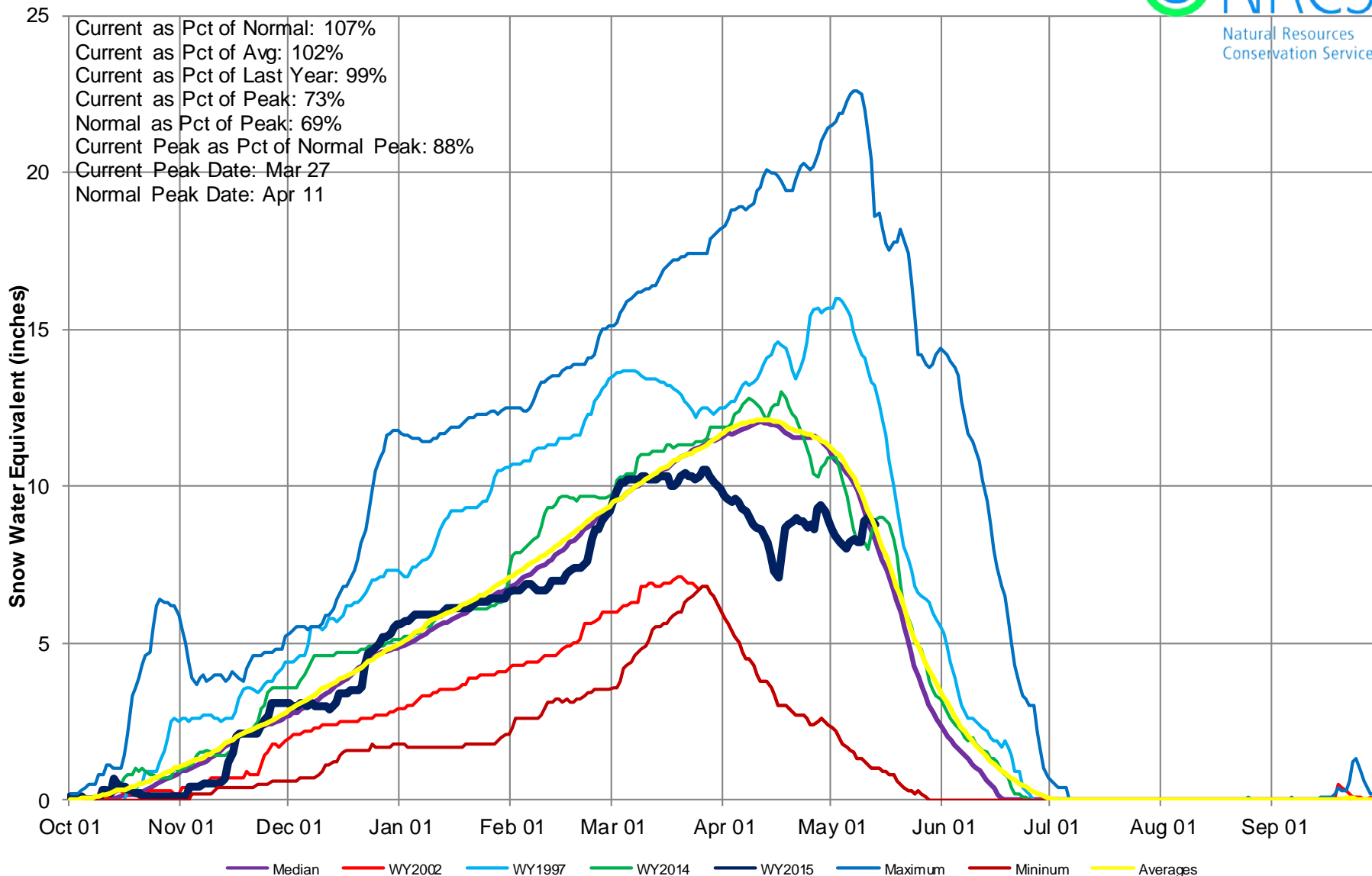


Current as of May 1, 2015



Arkansas River Basin High/Low Snowpack Summary

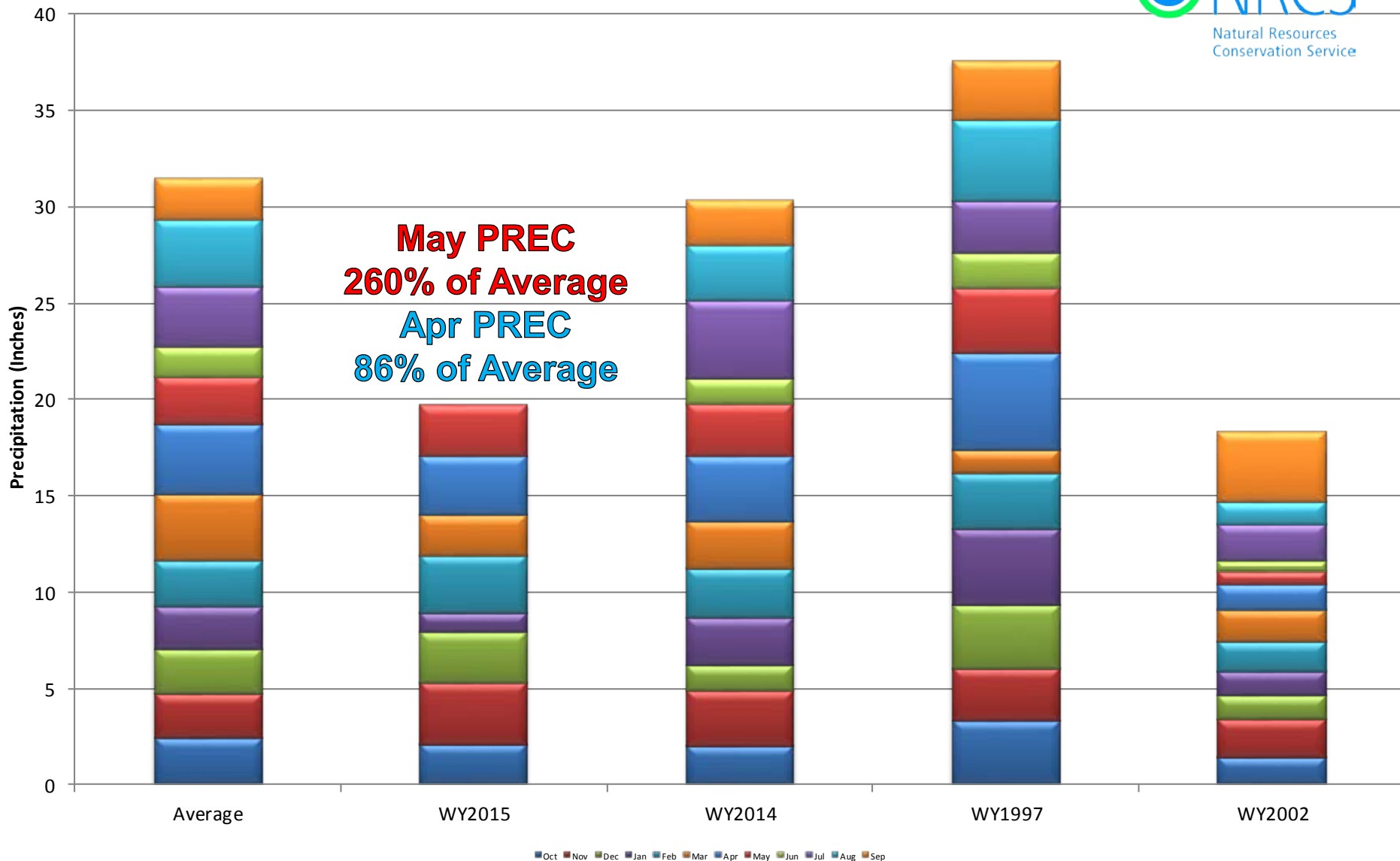
Based on Provisional SNOTEL data as of May 13, 2015





Arkansas River Basin High/Low Monthly Precipitation Summary

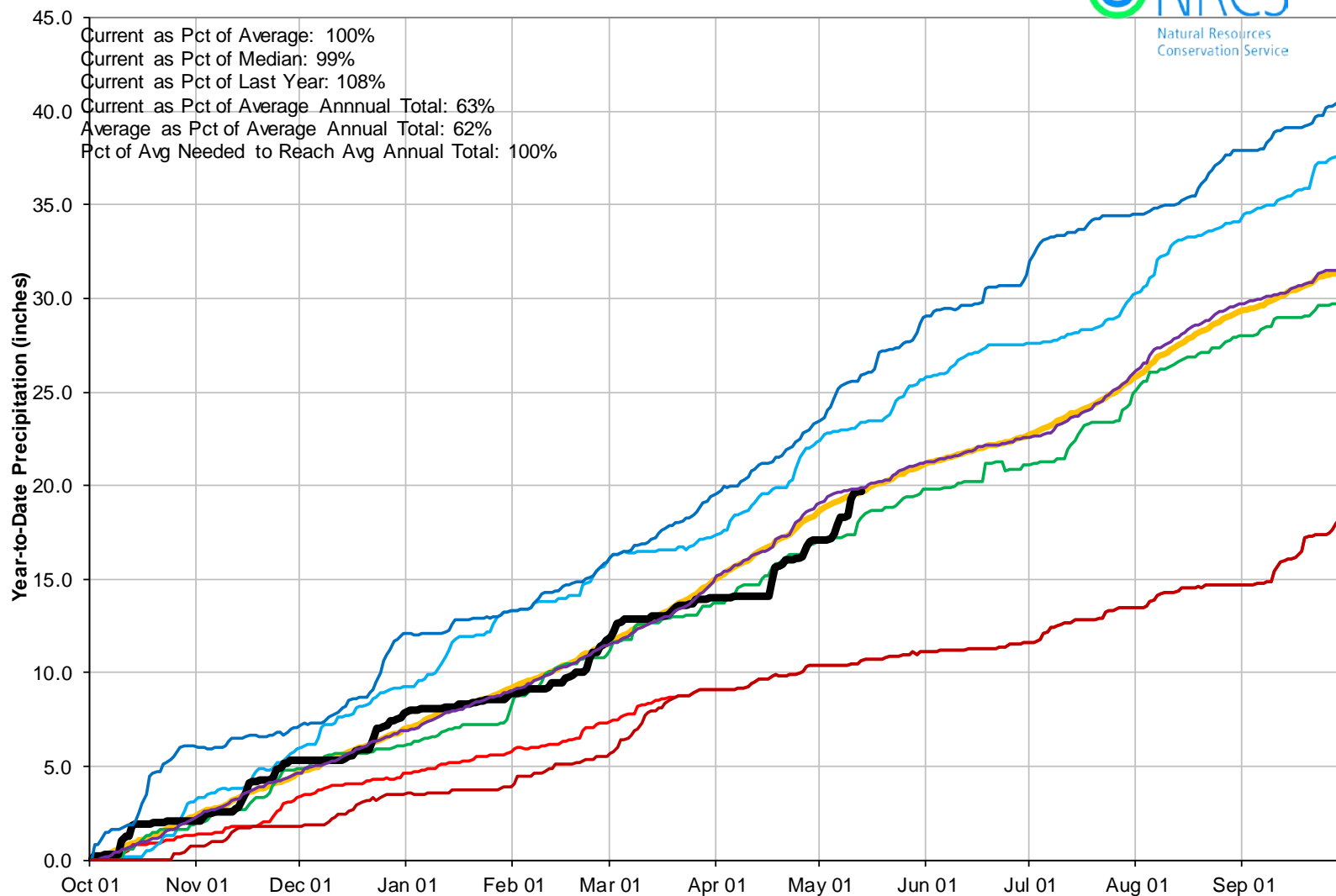
Based on Provisional SNOTEL data as of May 13, 2015





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

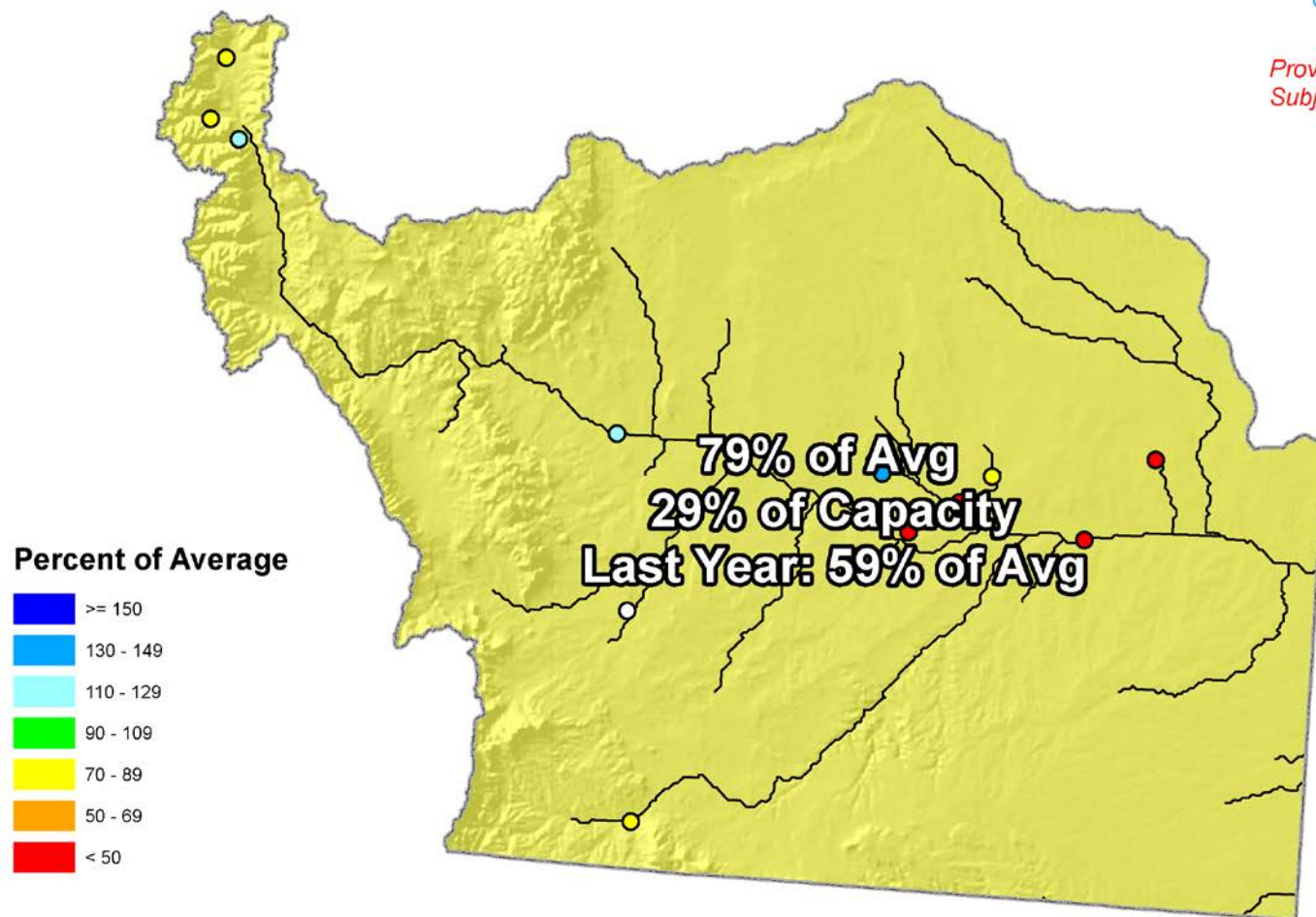
Based on Provisional SNOTEL data as of May 13, 2015



Arkansas River Basin Reservoir Storage Map



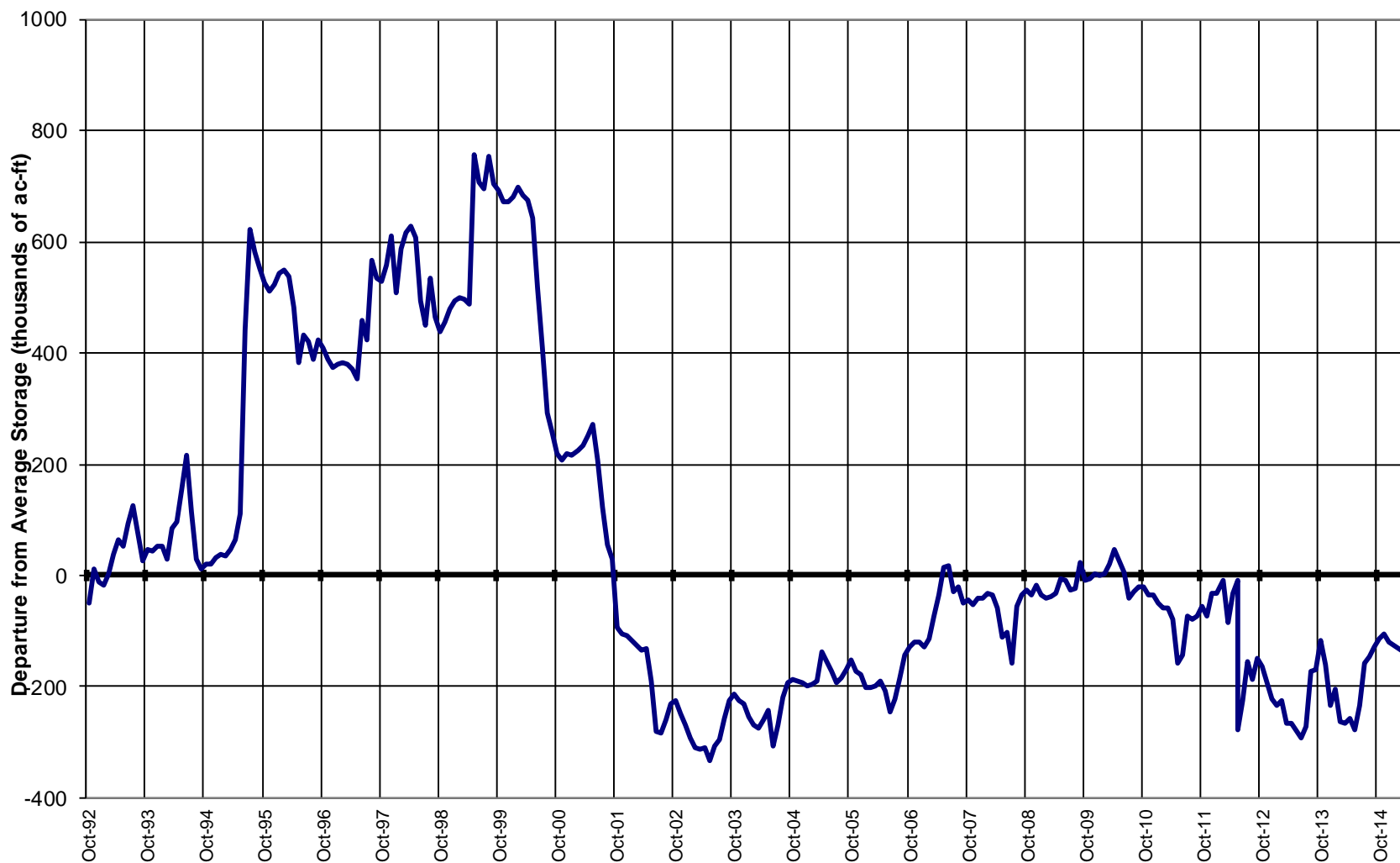
*Provisional Data
Subject to Revision*



End of April 2015



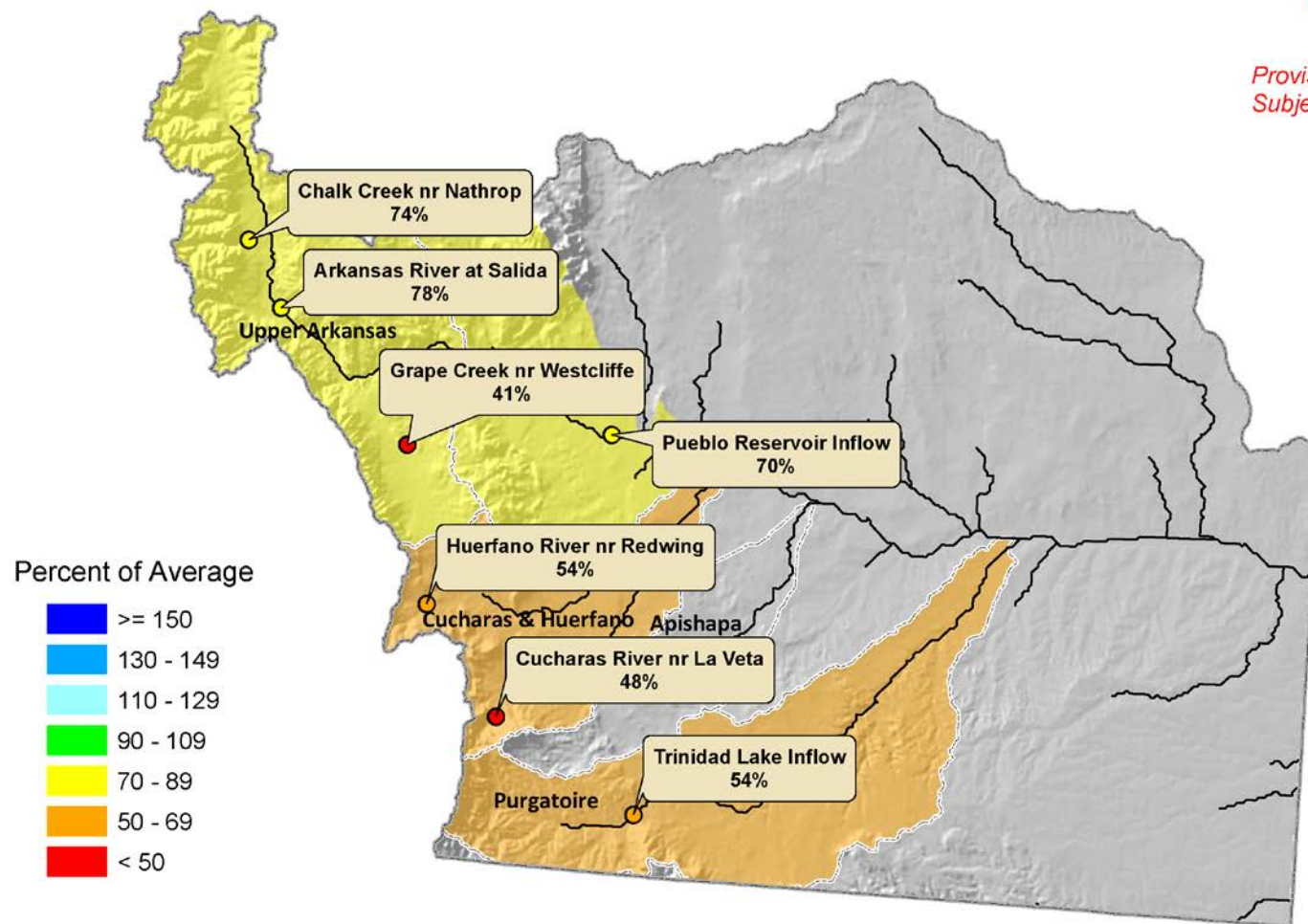
ARKANSAS RIVER BASIN Reservoir Storage Departure from Average



Arkansas River Basin Streamflow Forecast Map

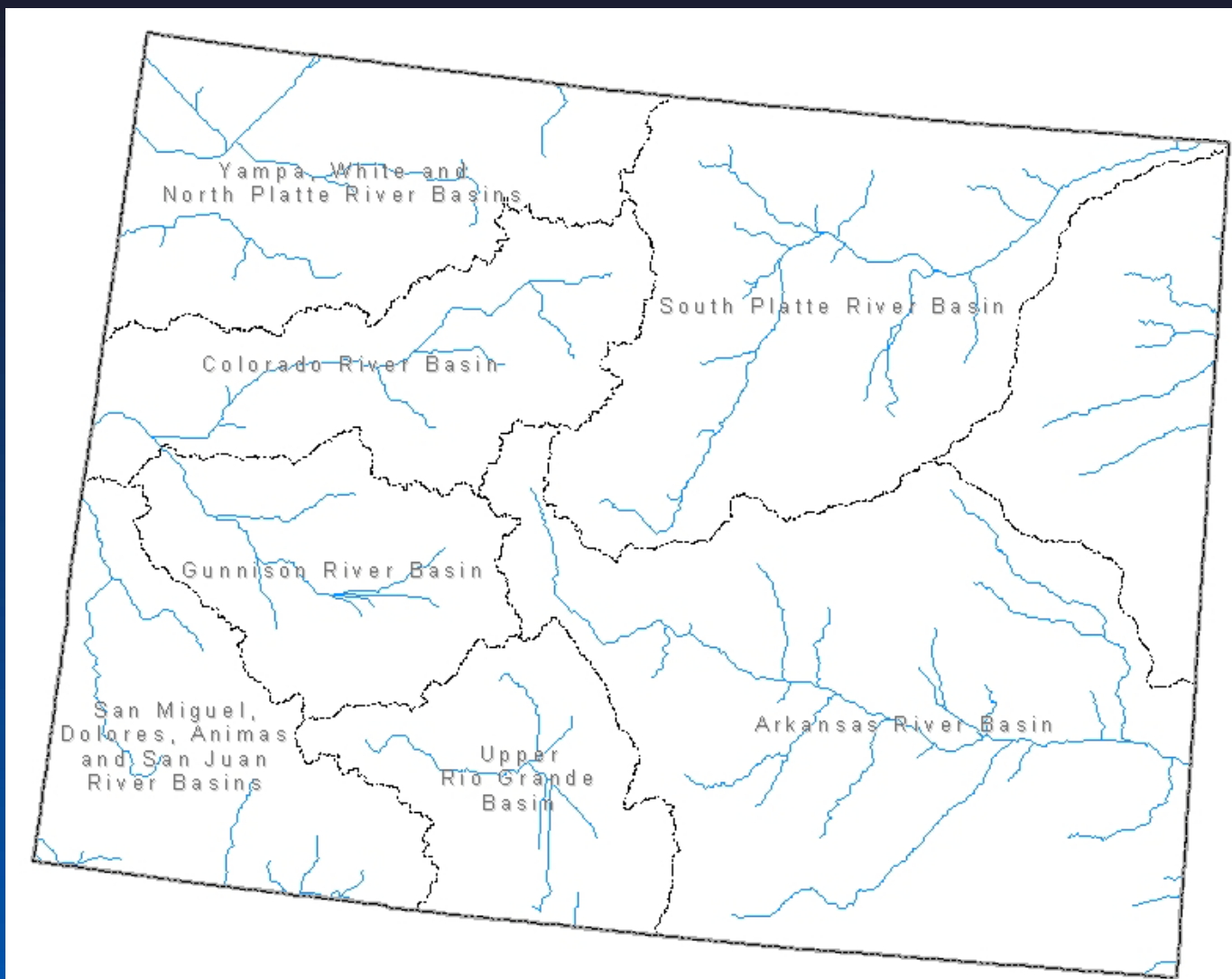


*Provisional Data
Subject to Revision*



Current as of May 1, 2015

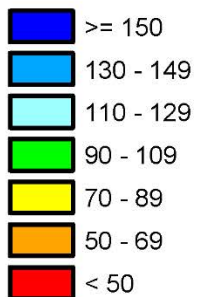
Colorado Statewide Summary



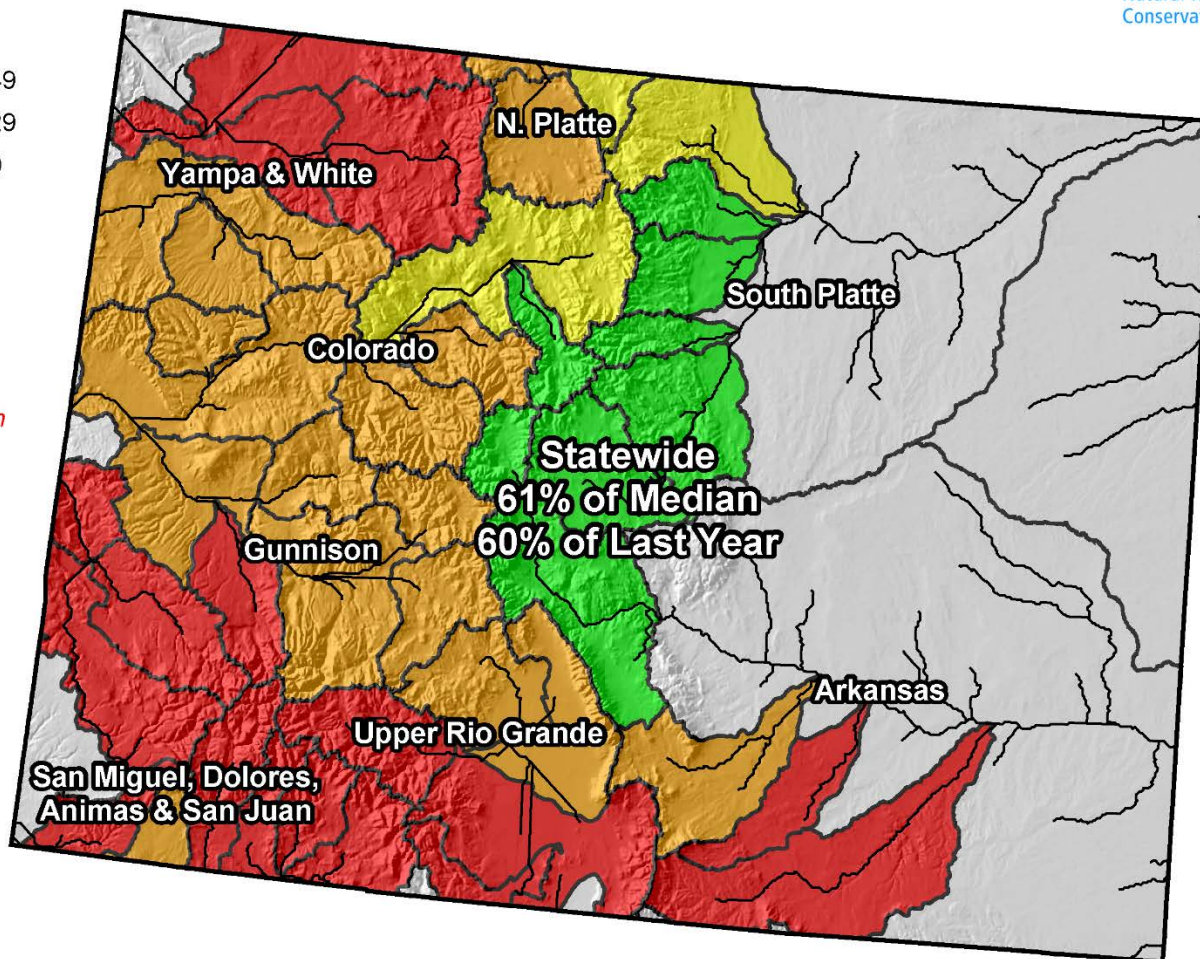
Colorado Snowpack Map



Percent of Median



*Provisional Data
Subject to Revision*



Current as of May 1, 2015

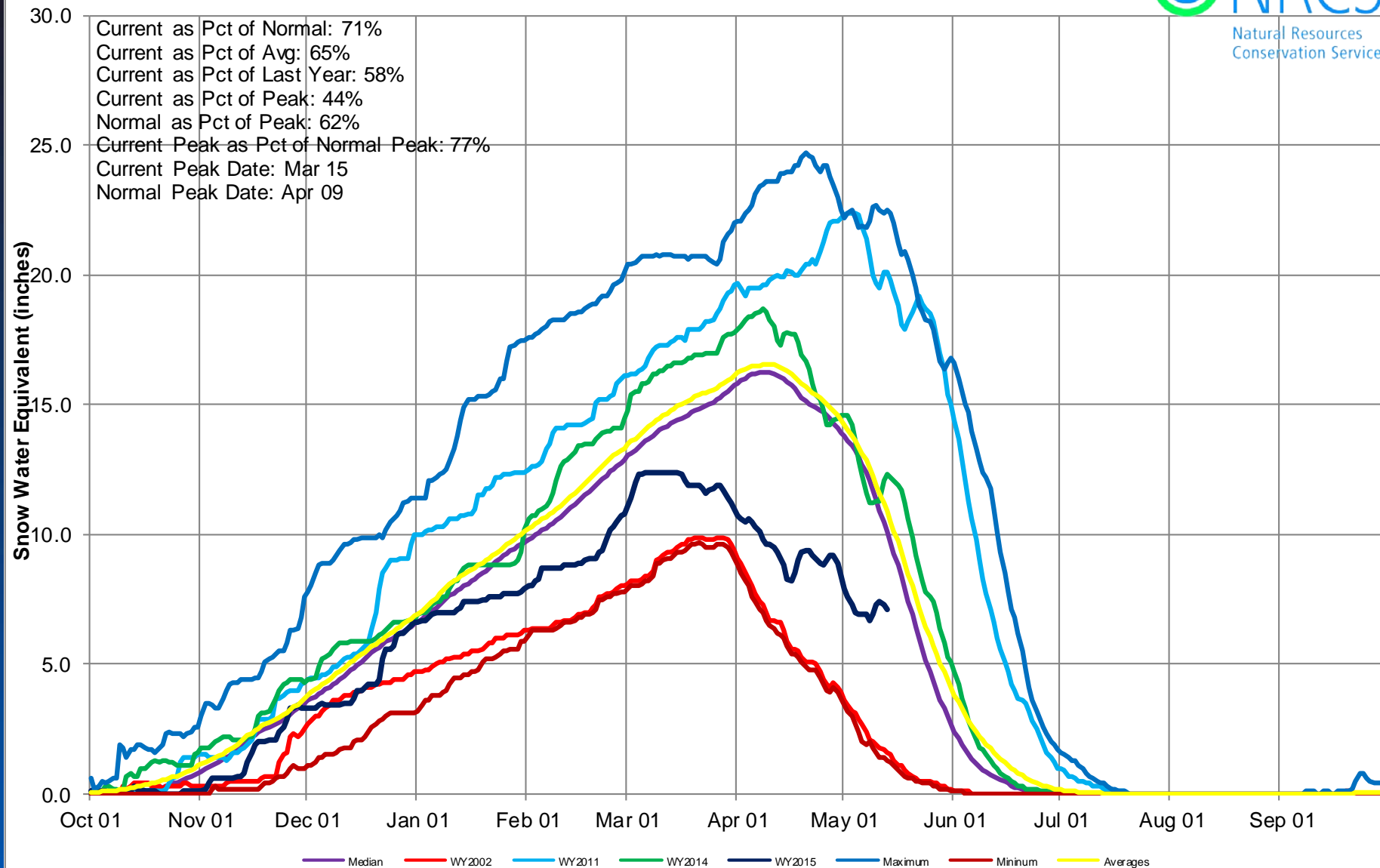


United States Department of Agriculture

Colorado Snow Surveys

Colorado Statewide High/Low Snowpack Summary

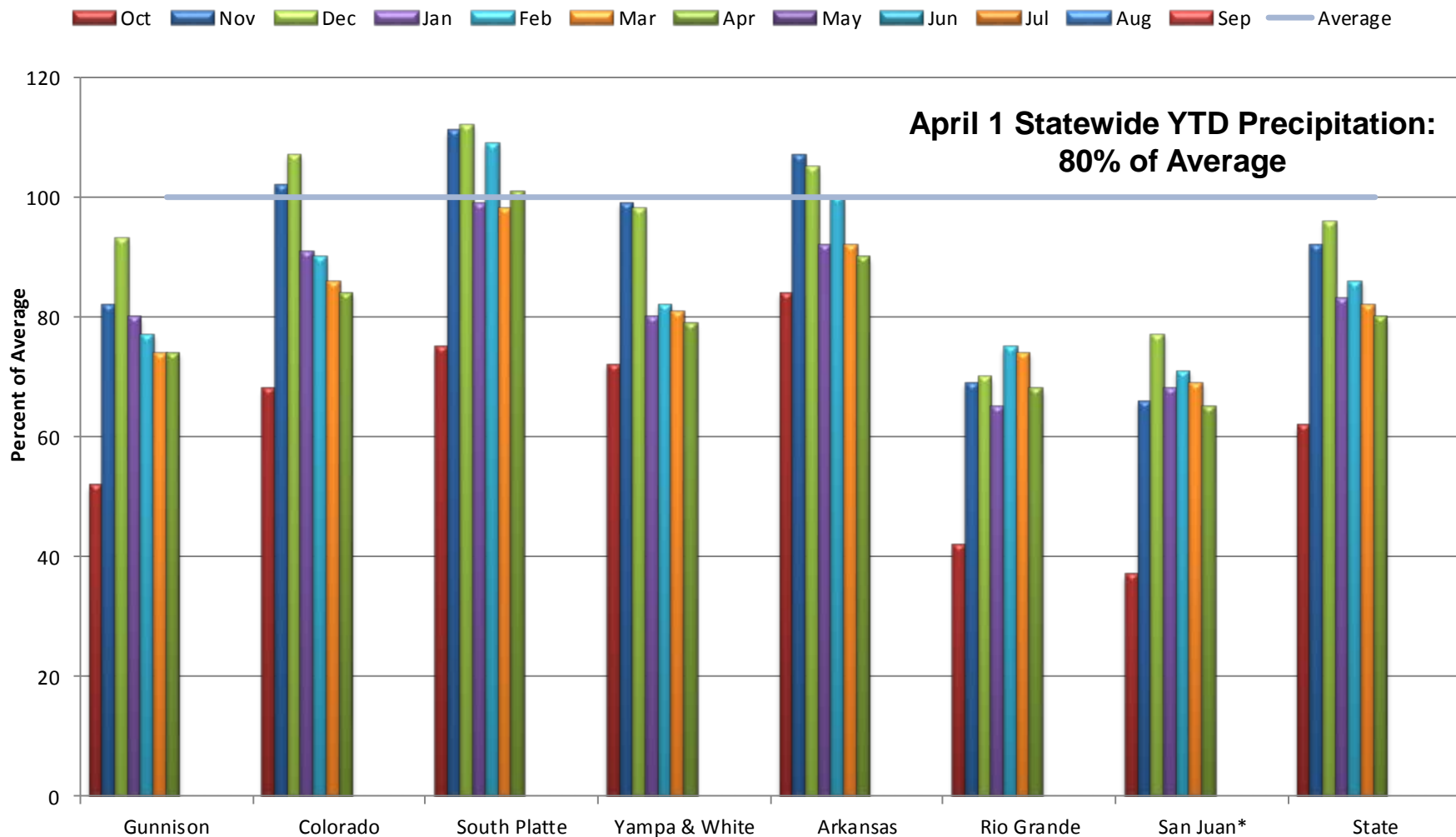
Based on Provisional SNOTEL data as of May 13, 2015





Colorado Year-to-Date Precipitation Summary for WY2015

USDA Natural Resources Conservation Service



*Includes Animas, Dolores, San Miguel Basins

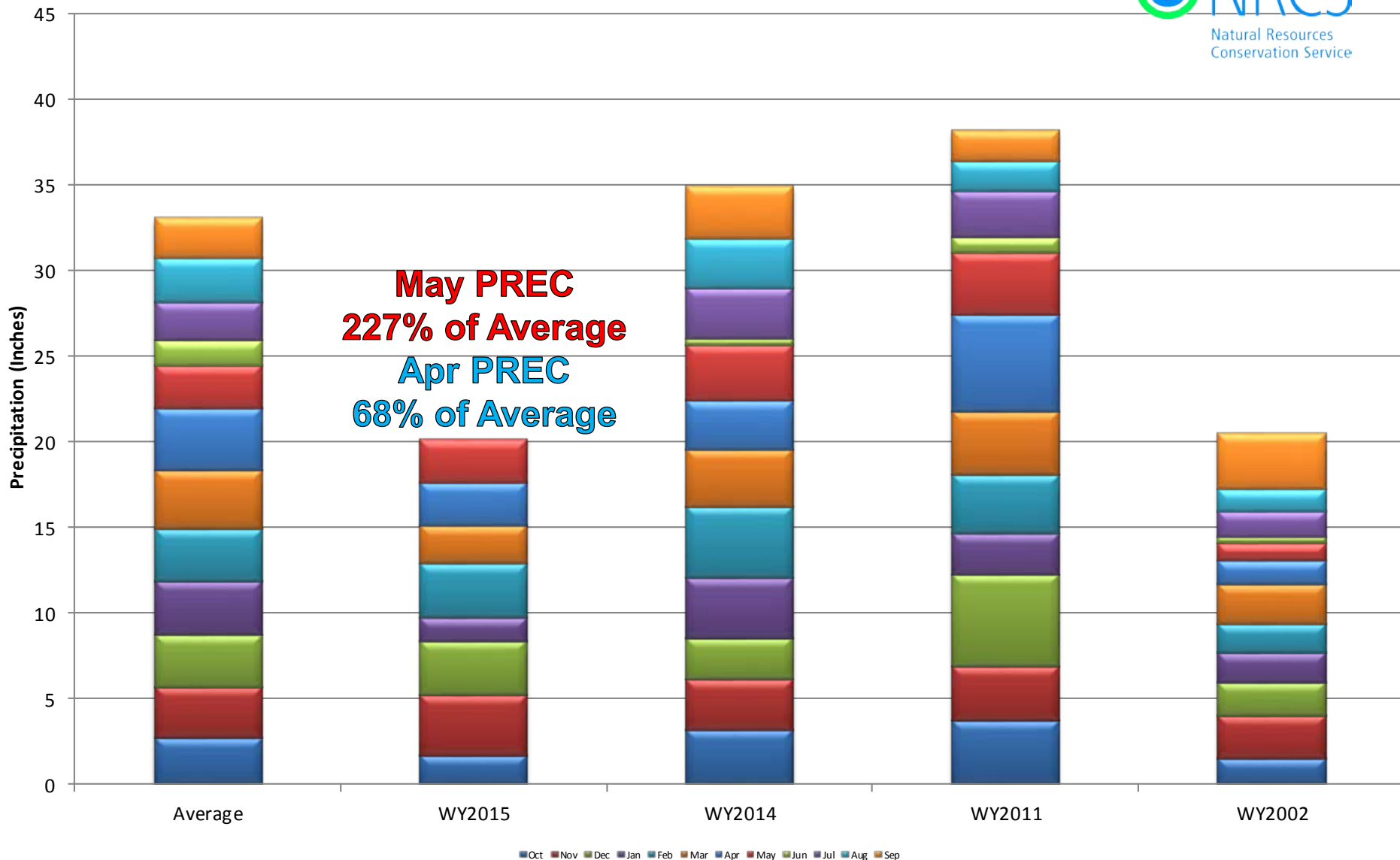


United States Department of Agriculture

Colorado Snow Surveys

Colorado Statewide High/Low Monthly Precipitation Summary

Based on Provisional SNOTEL data as of May 13, 2015



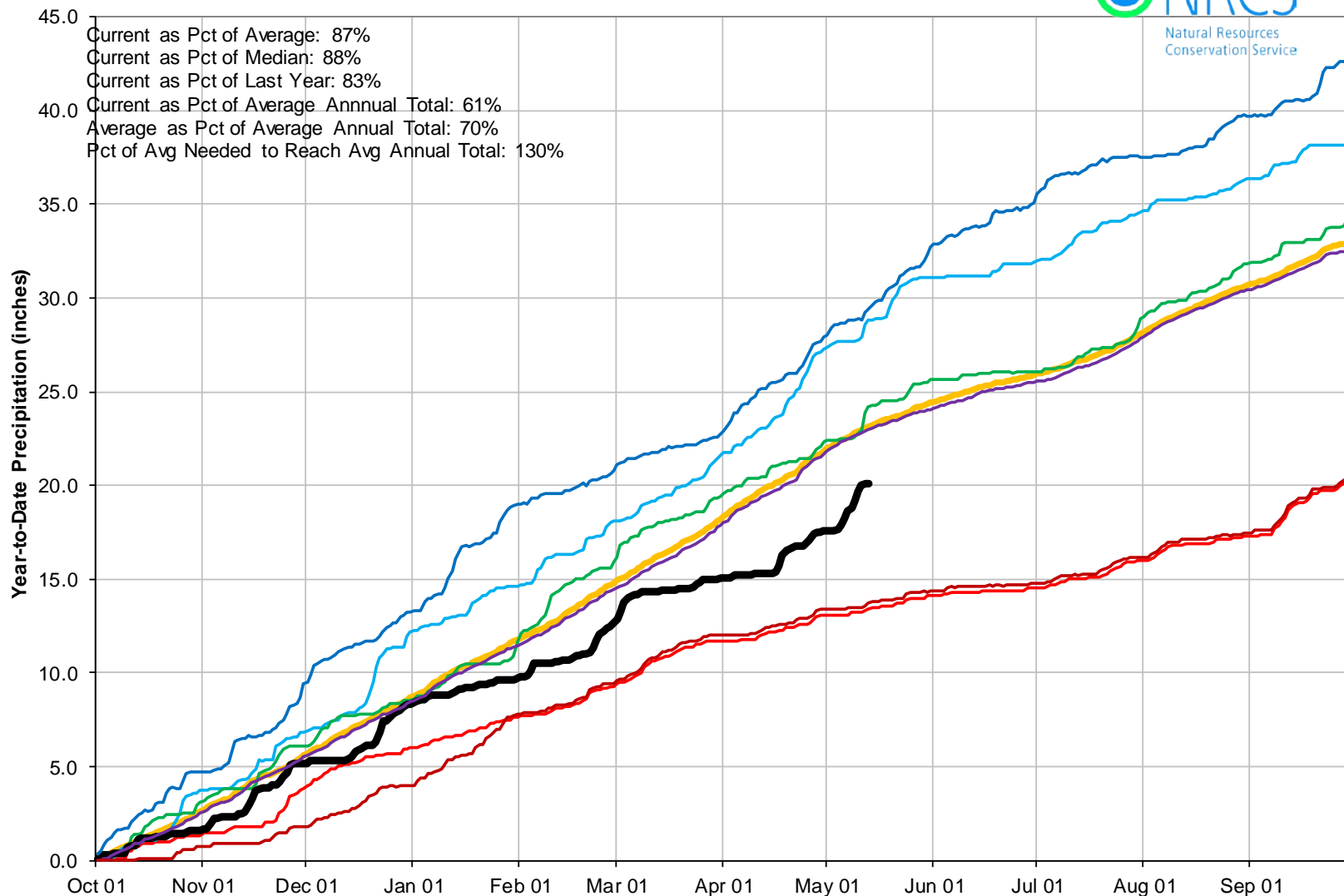


Colorado Statewide High/Low Year-to-Date Precipitation Summary

Based on Provisional SNOTEL data as of May 13, 2015

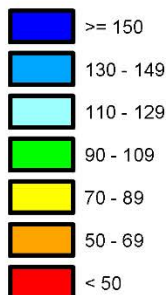


Natural Resources
Conservation Service

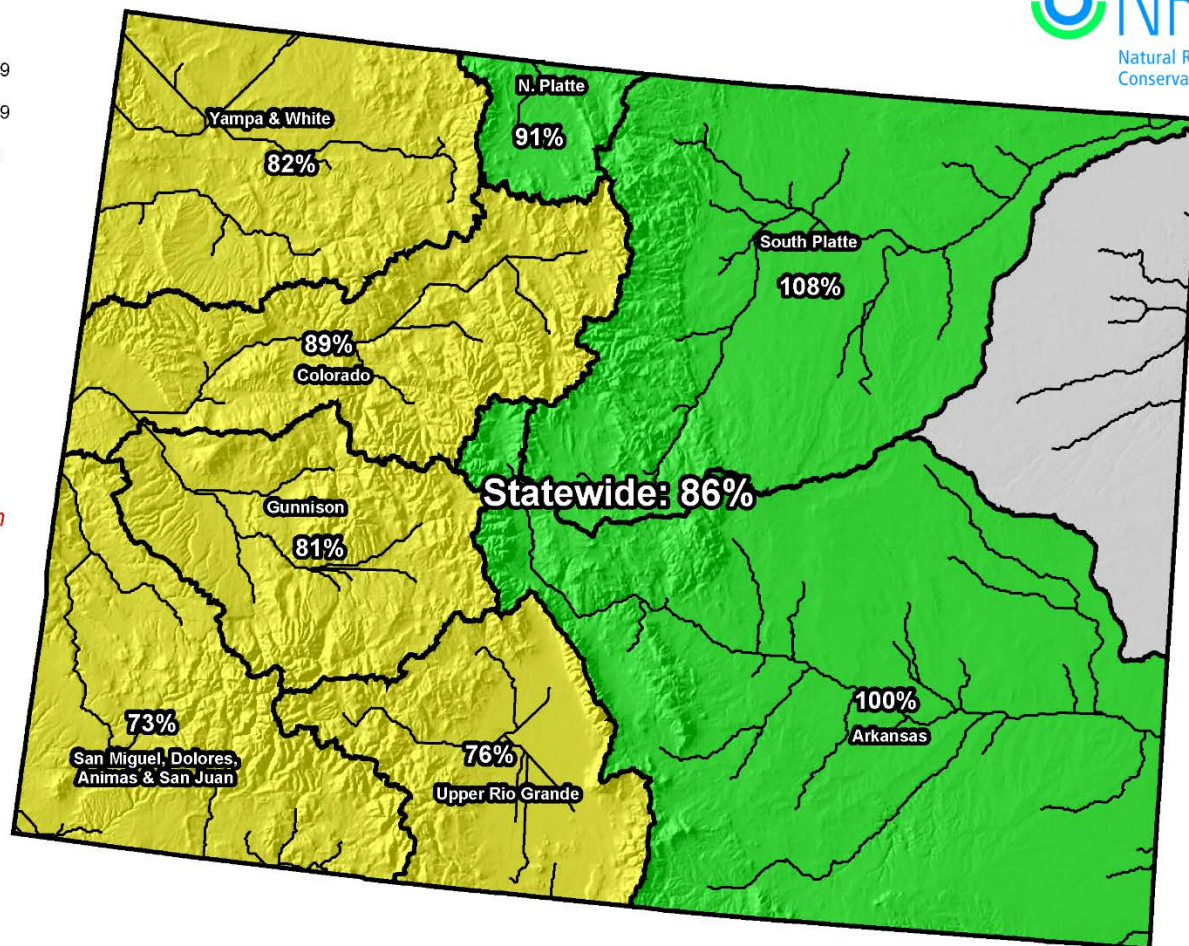


Colorado SNOTEL Water Year-to-Date Precipitation Update Map

Percent of Average



*Provisional Data
Subject to Revision*

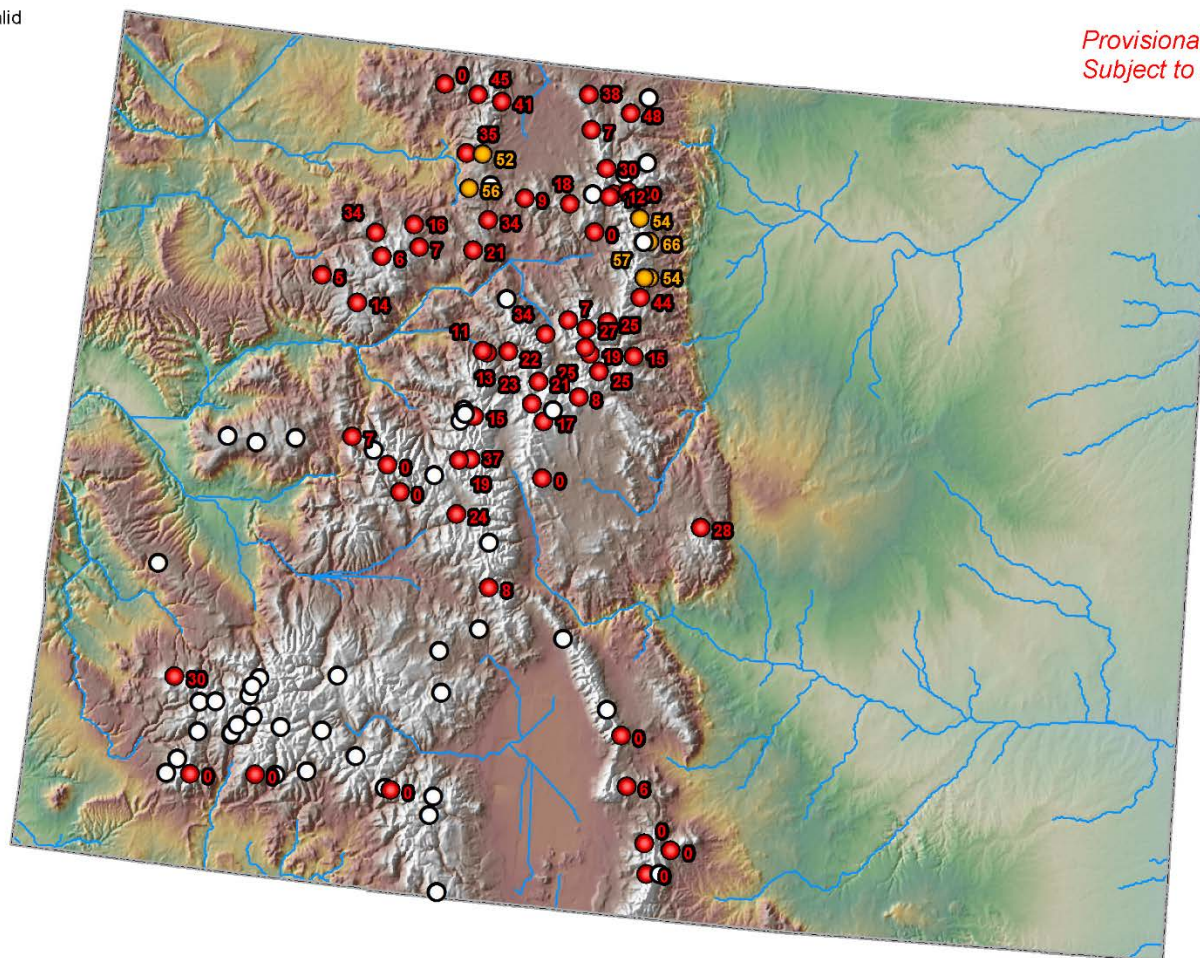


Current as of May 13, 2015

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*

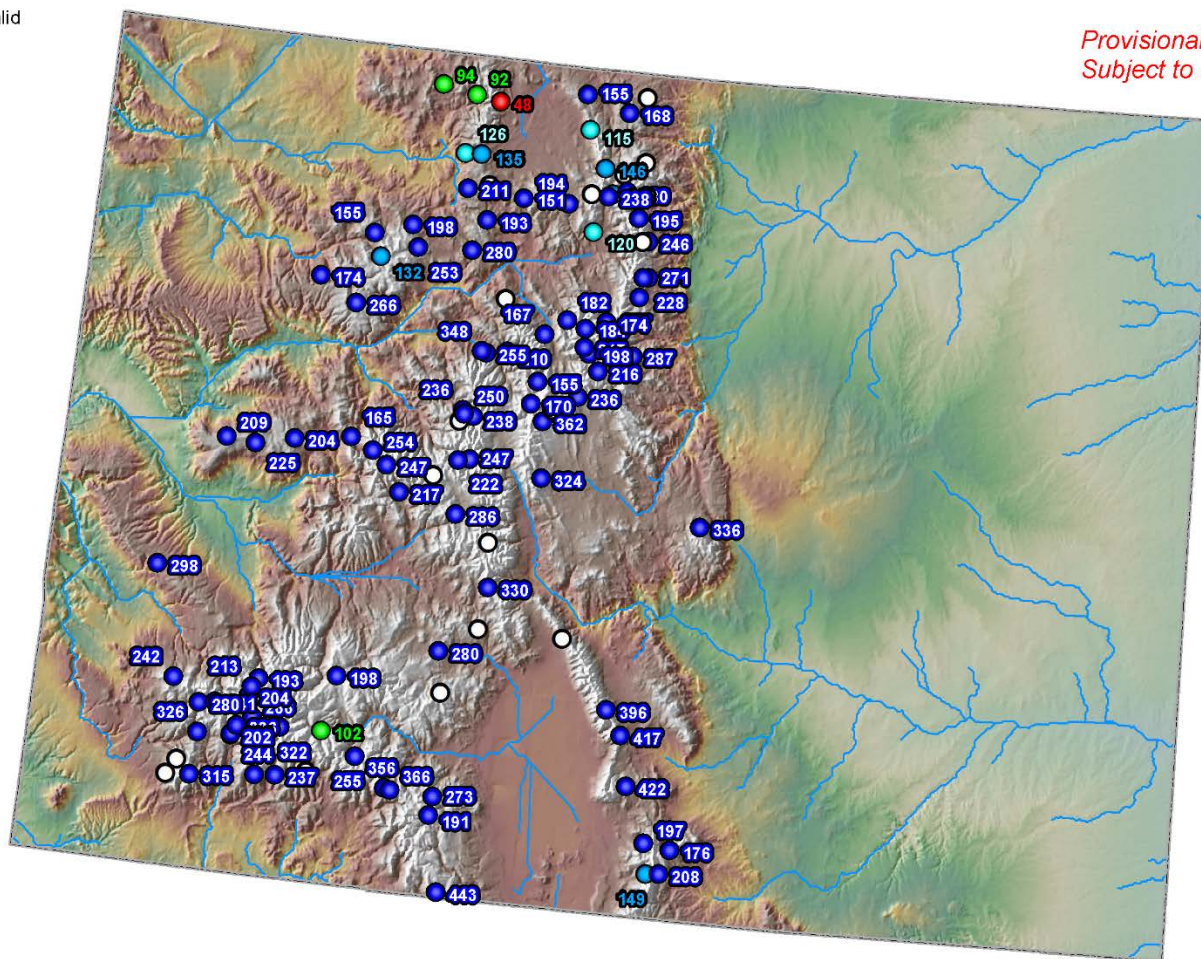
Current as of 04 13, 2015

Colorado SNOTEL Month-to-Date Precipitation

Percent of Average

- Missing or Invalid
- < 50
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- 70 - 89
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- ≥ 150

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Subject to Revision*

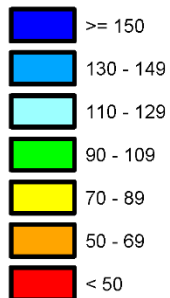


Current as of May 13, 2015

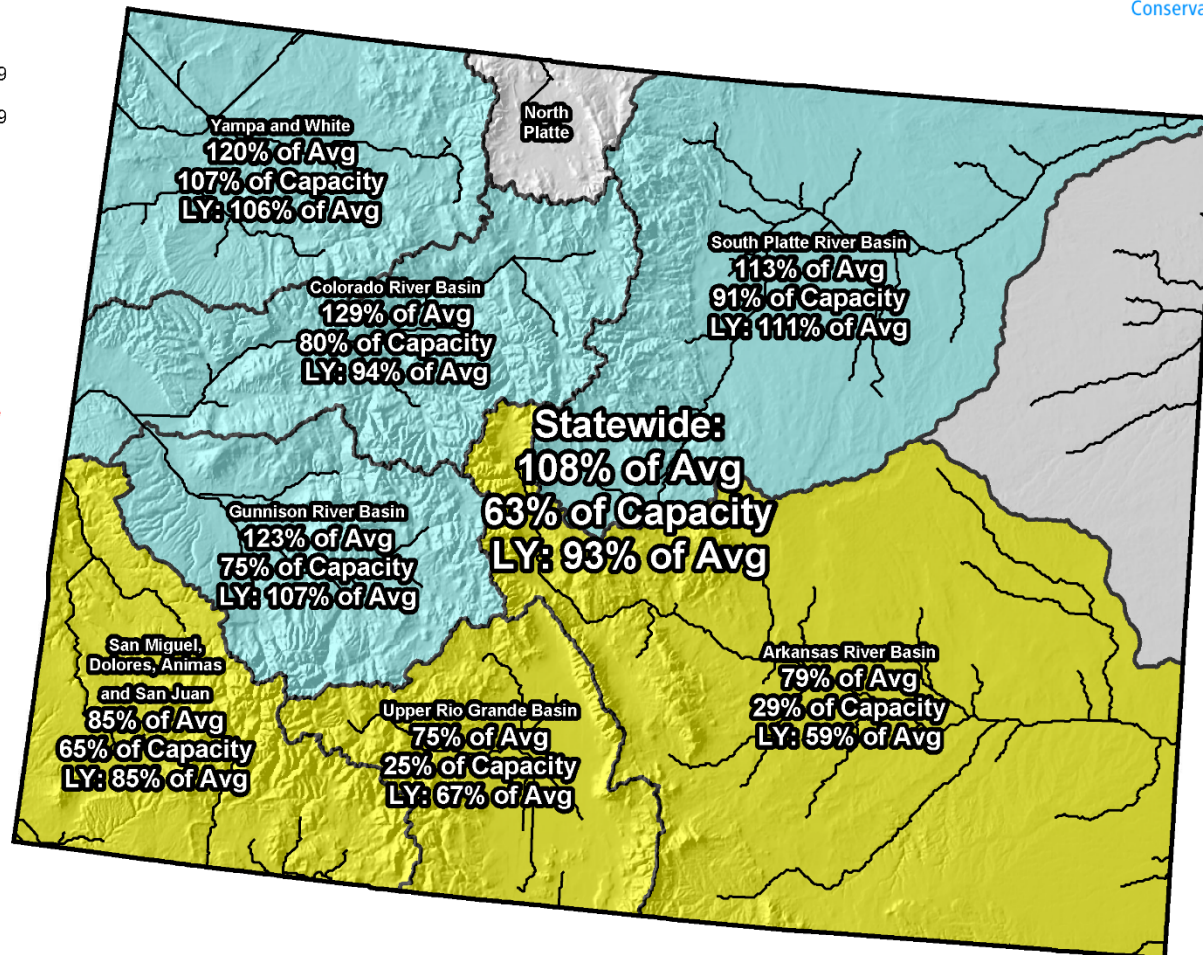
Colorado Reservoir Storage Map



Percent of Average



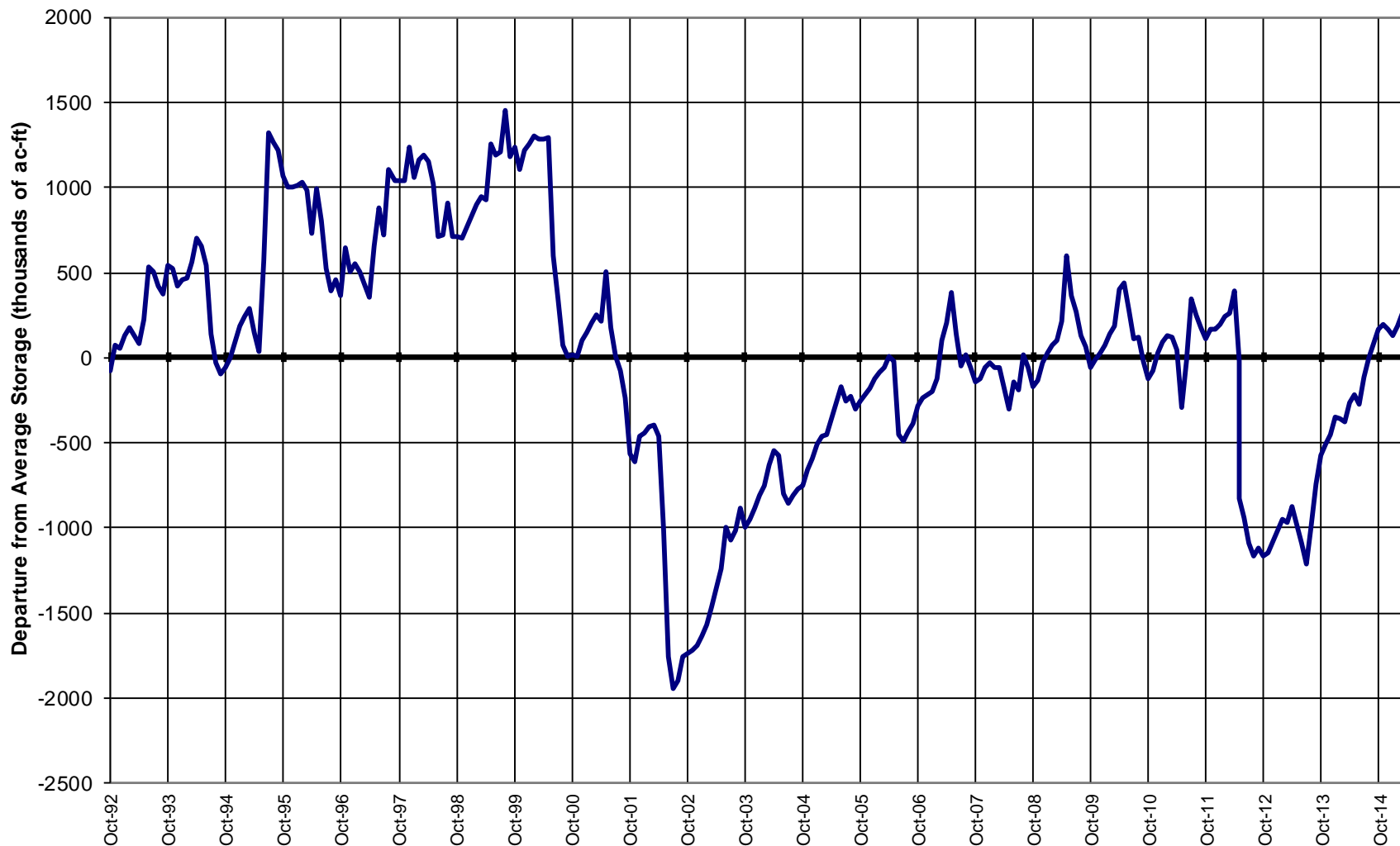
*Provisional Data
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End of April 2015



COLORADO STATEWIDE Reservoir Storage Departure from Average



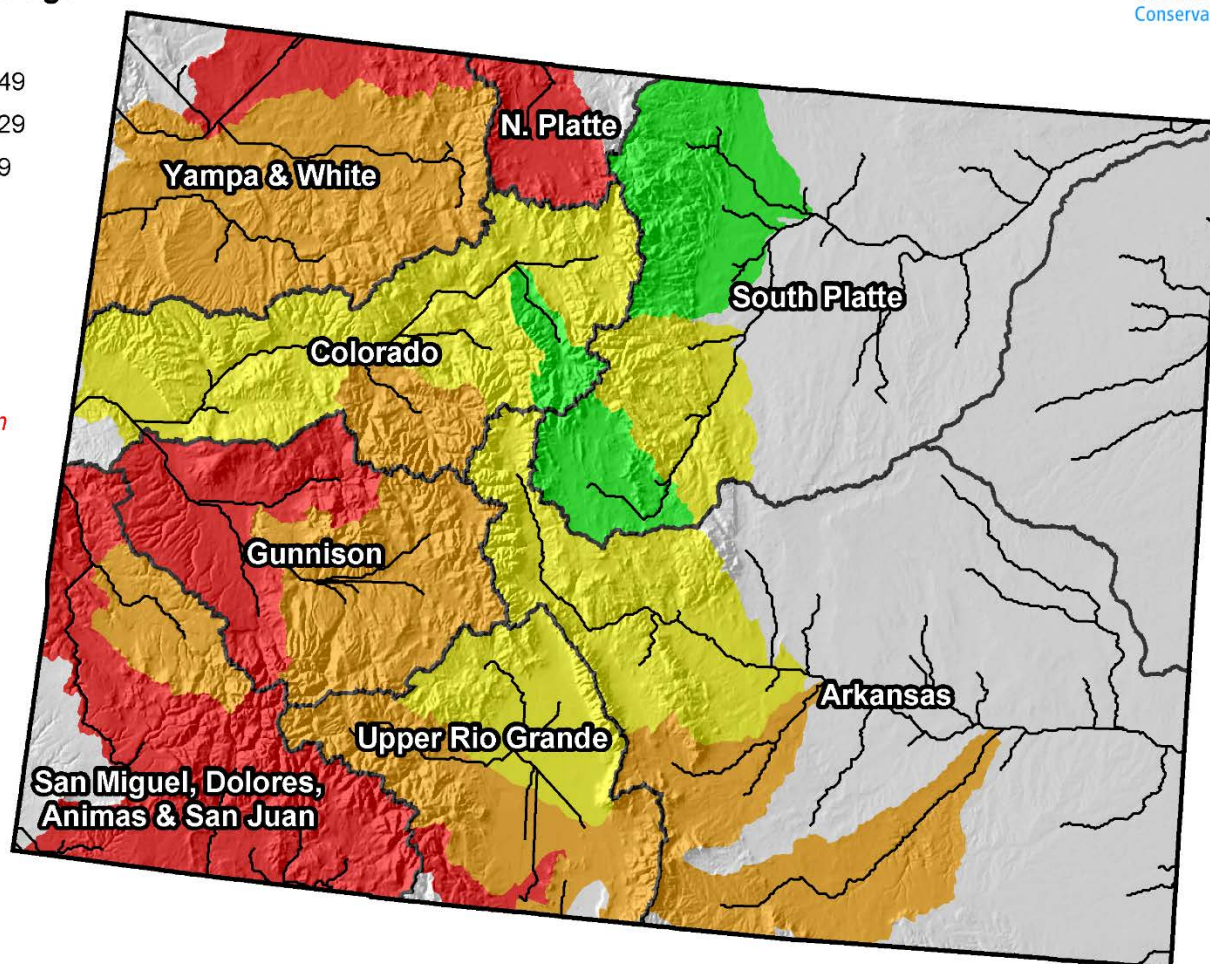
Colorado Streamflow Forecast Map



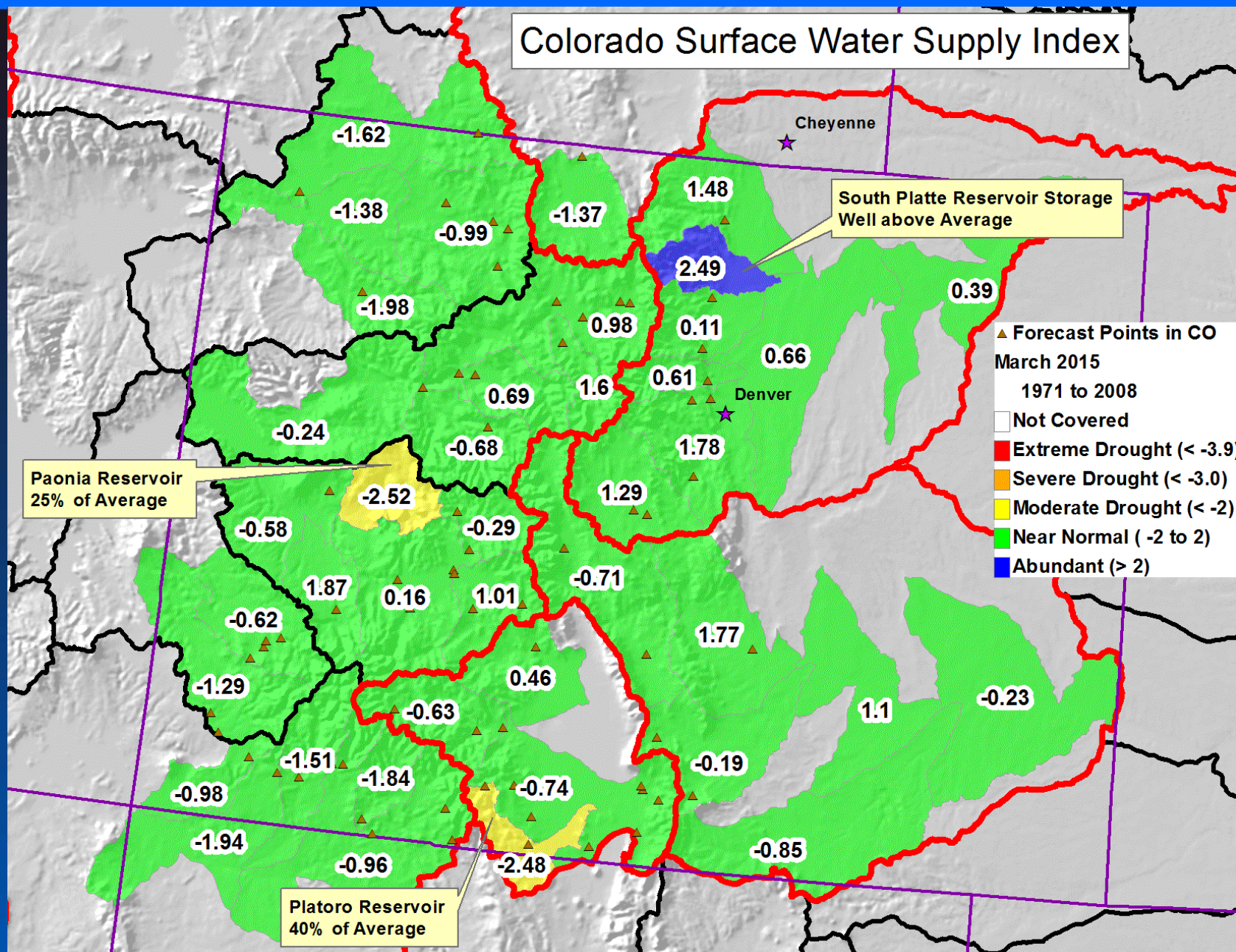
Percent of Average

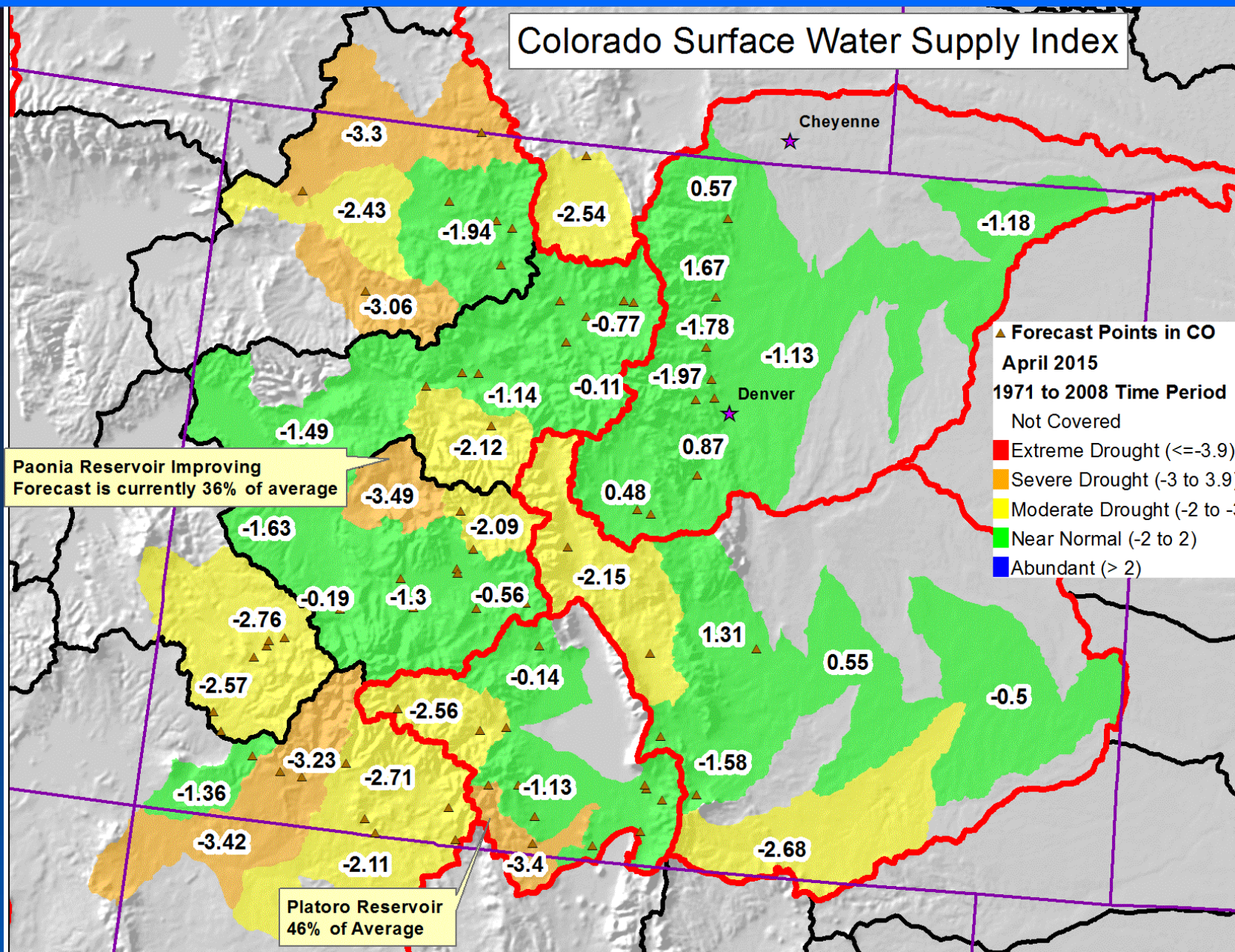


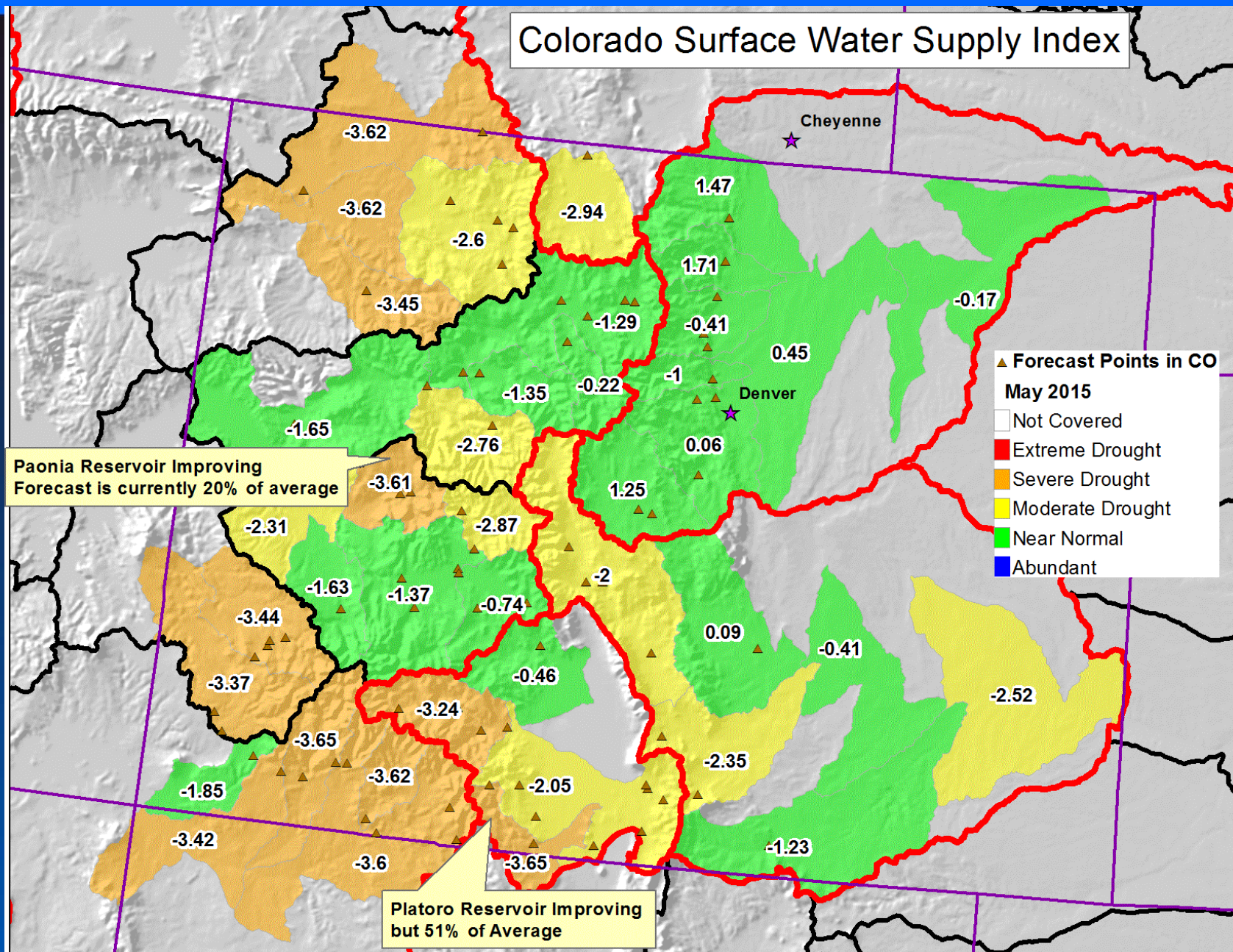
*Provisional Data
Subject to Revision*



Current as of May 1, 2015







Summary

•Snowpack

- Currently statewide snowpack is ranked 23rd of 30 years

•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
- Nearly one half of this year's seasonal snowpack has melted already

•Recent precip (mainly rain) has helped considerably.

- But need more in Western Colorado.
- At this point it needs to be consistent small amount of precip frequently for long periods

•Reservoirs are slightly above average statewide but vary

- Better in northern CO & Gunnison between 113% - 129% (basin-wide totals)
- Worse in southern CO between 75% - 85% (basin-wide totals)

•Streamflow forecasts have degraded again on May 1. Would need average to slightly above average precip thru remainder of May to have any chance of improved streamflow prospects.



United States Department of Agriculture

Colorado Snow Surveys

Water Availability Task Force Meeting

May 13th, 2015

NRCS Snow Survey and Water Supply Forecasting Program

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Colorado Snow Survey Supervisor

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