

Water Availability Task Force Meeting

August 13th, 2014

NRCS Snow Survey and Water Supply Forecasting Program

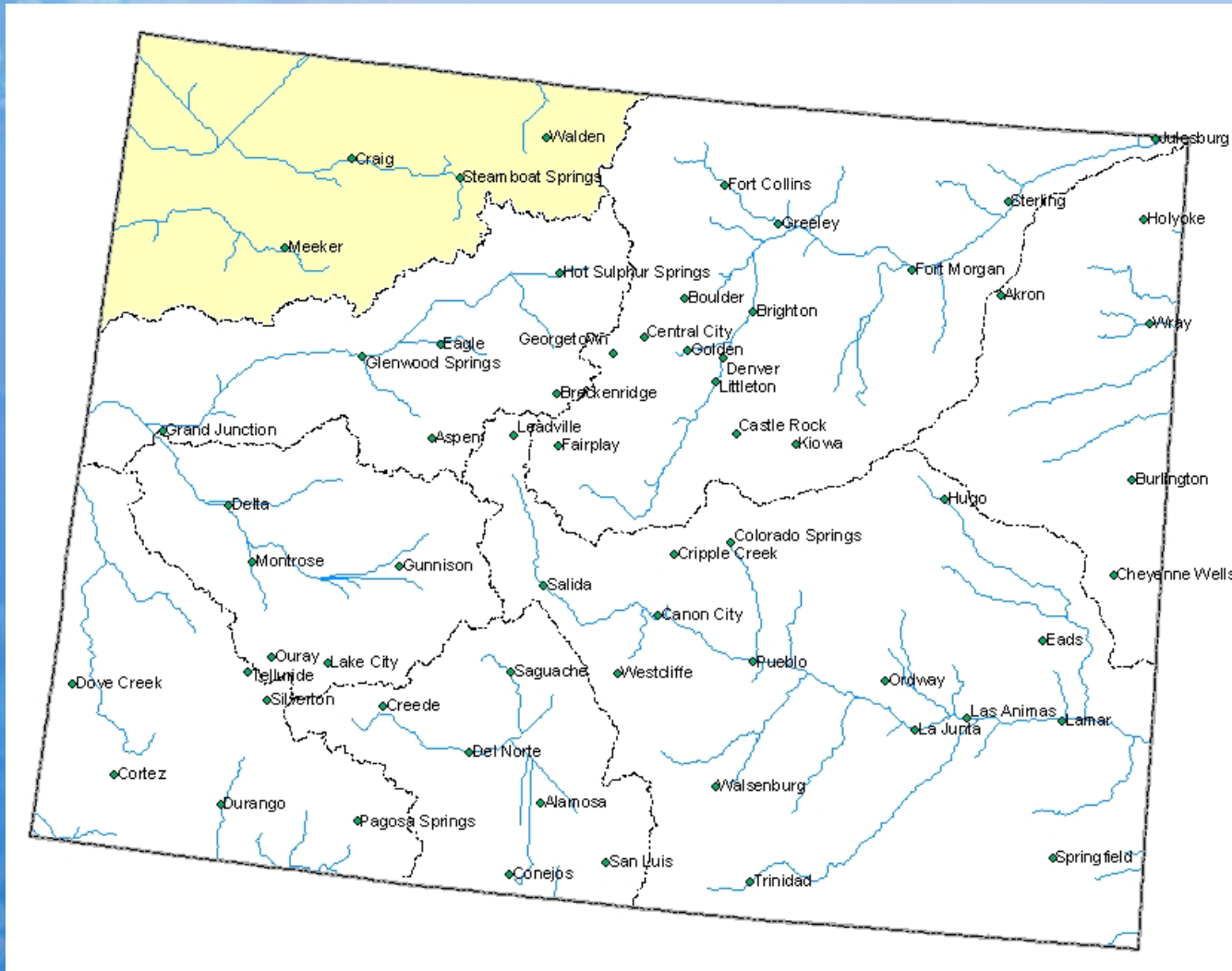
Brian Domonkos

Colorado Snow Survey Supervisor

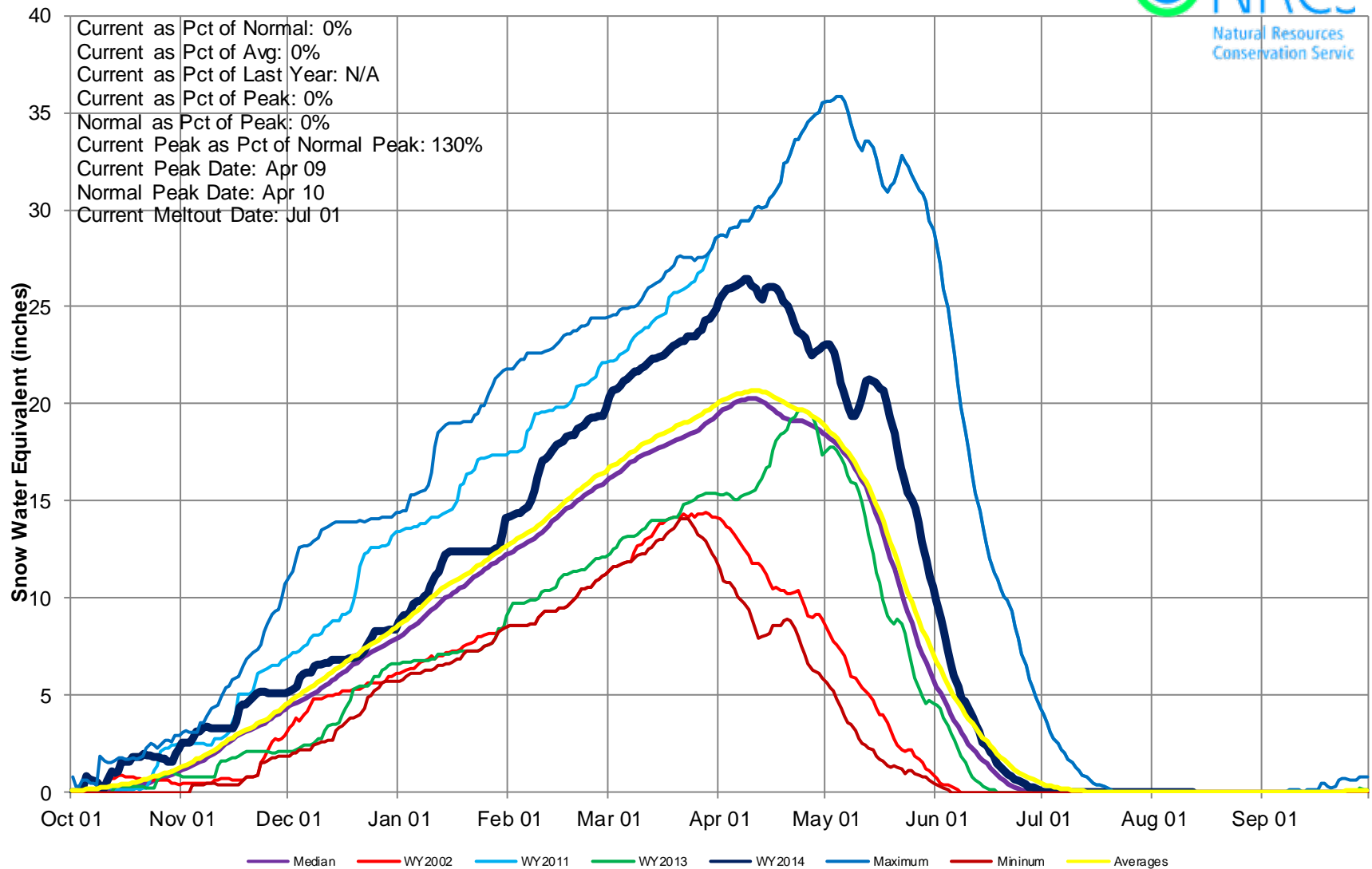
303-524-2521

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

Yampa, White & North Platte River Basins Summary

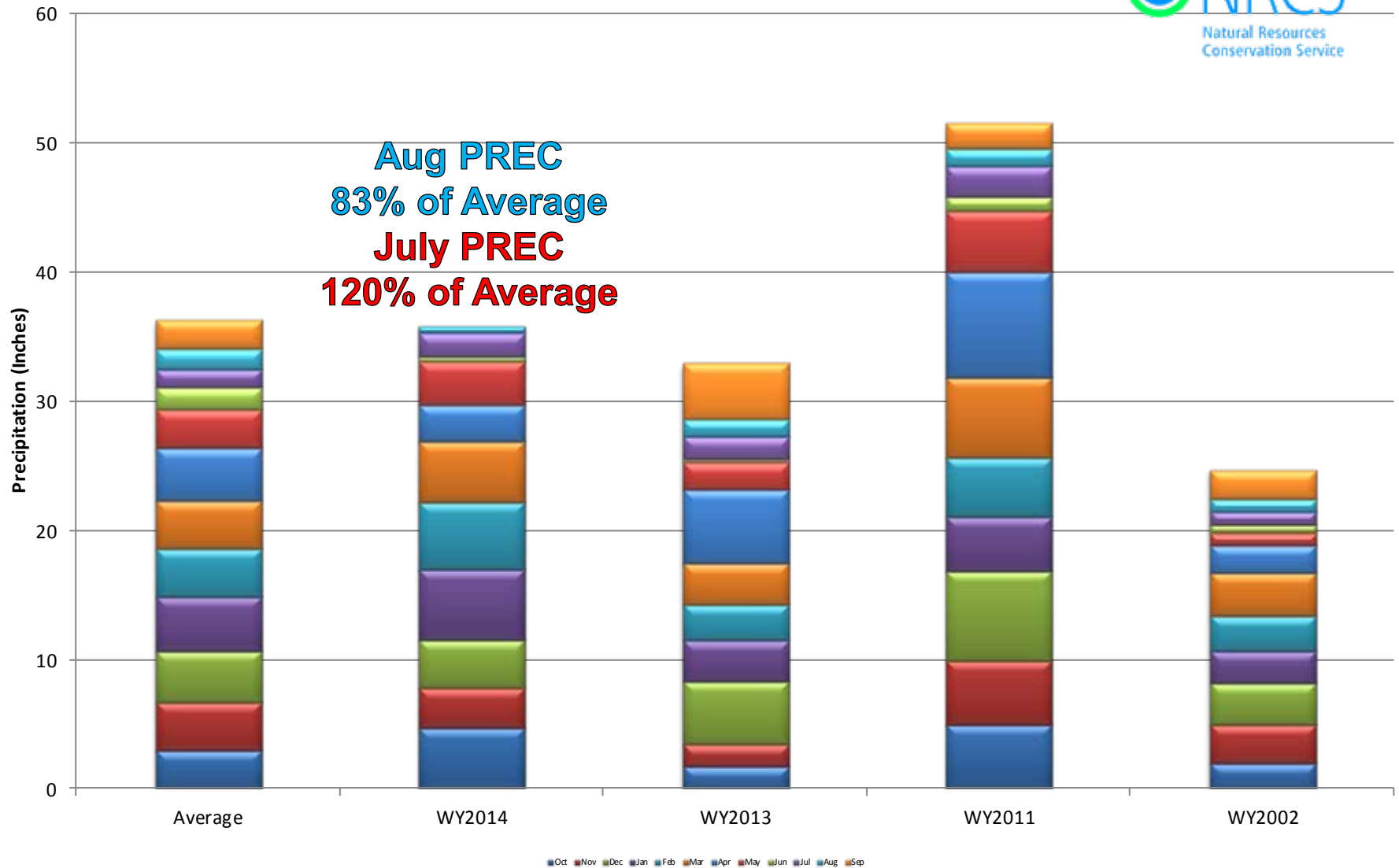


Based on Provisional SNOTEL data as of Aug 12, 2014



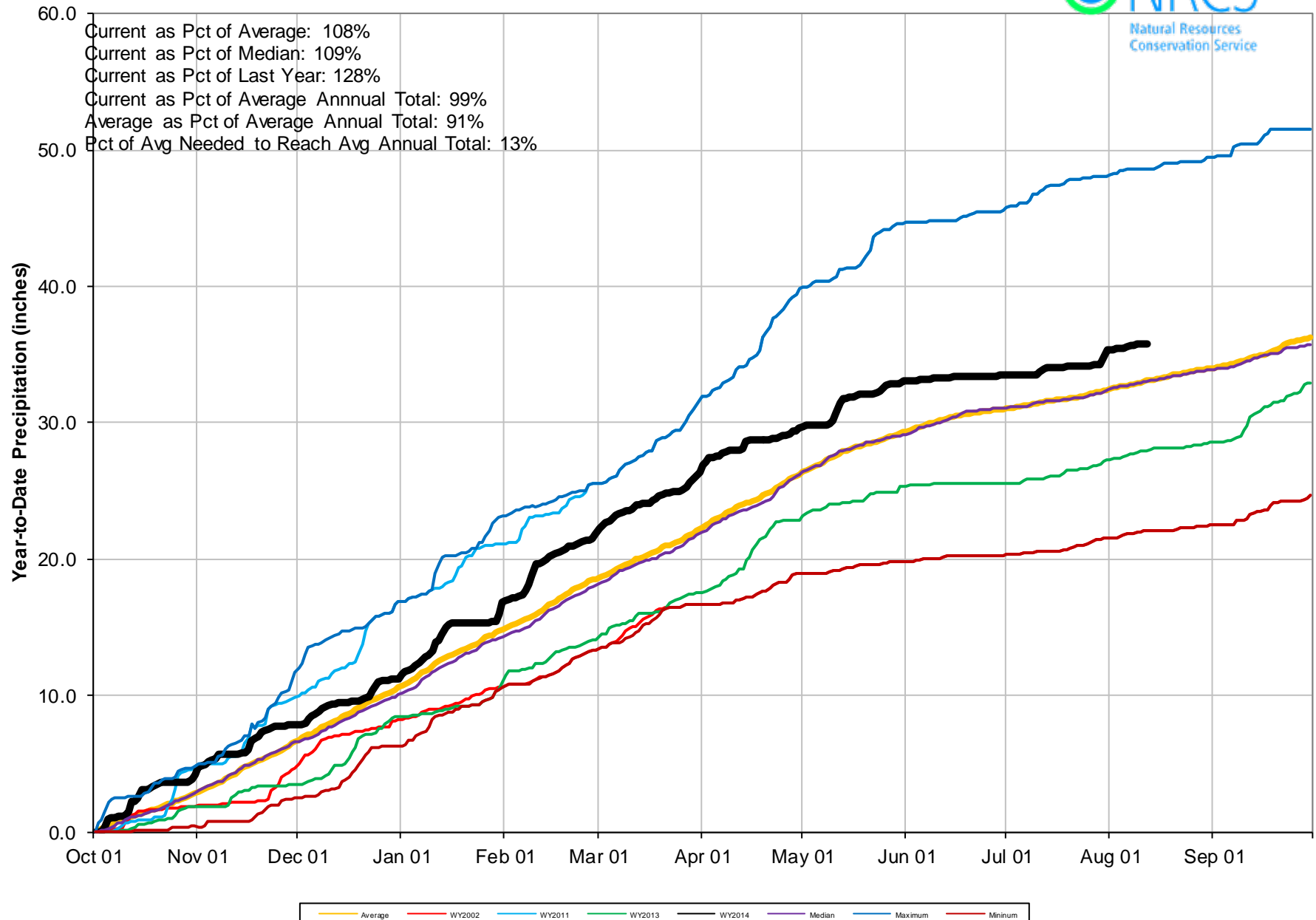
Yampa & White River Basins High/Low Monthly Precipitation Summary

Based on Provisional SNOTEL data as of Aug 12, 2014



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

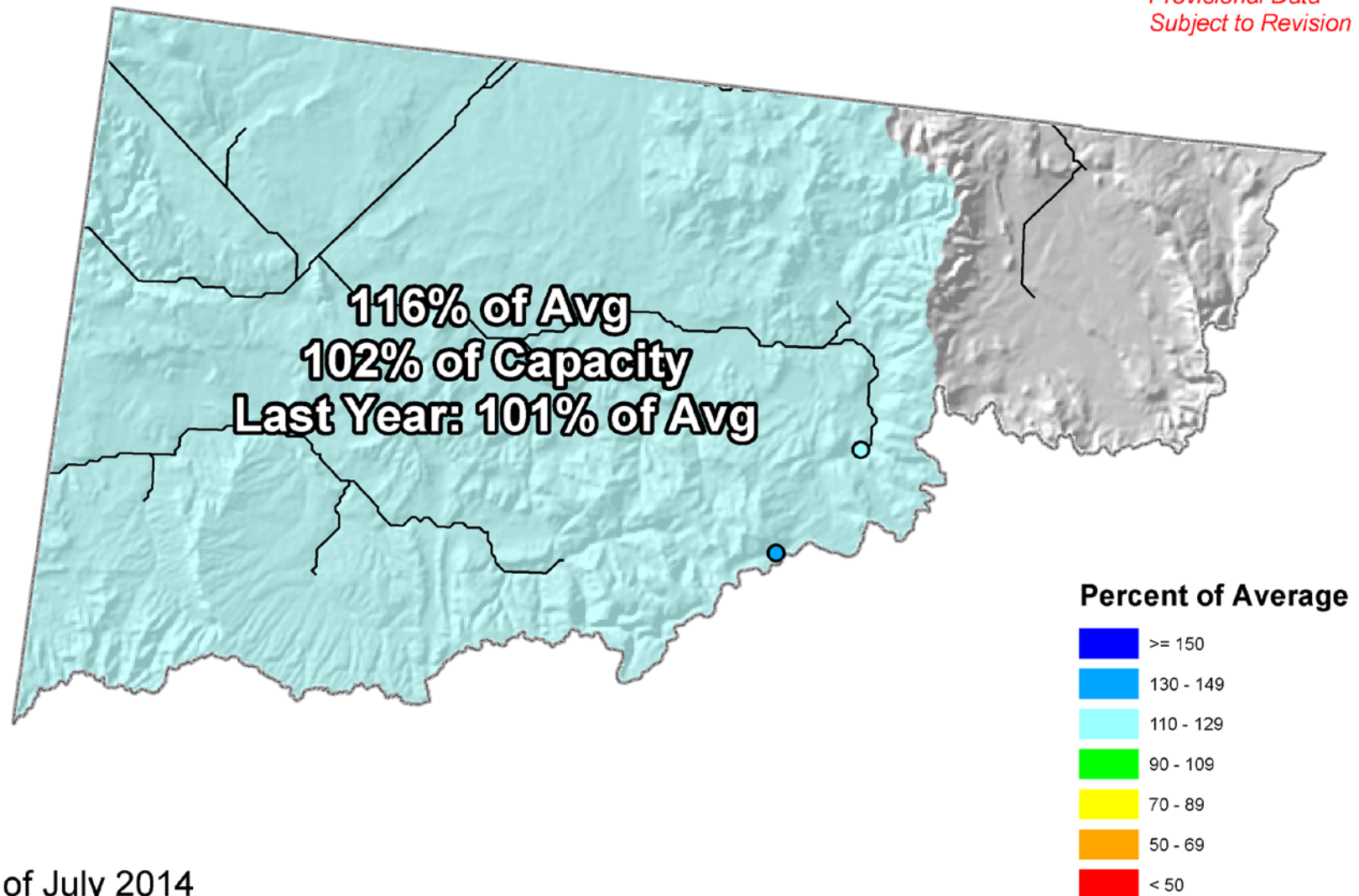
Based on Provisional SNOTEL data as of Aug 12, 2014



Yampa & White River Basins Reservoir Storage Map



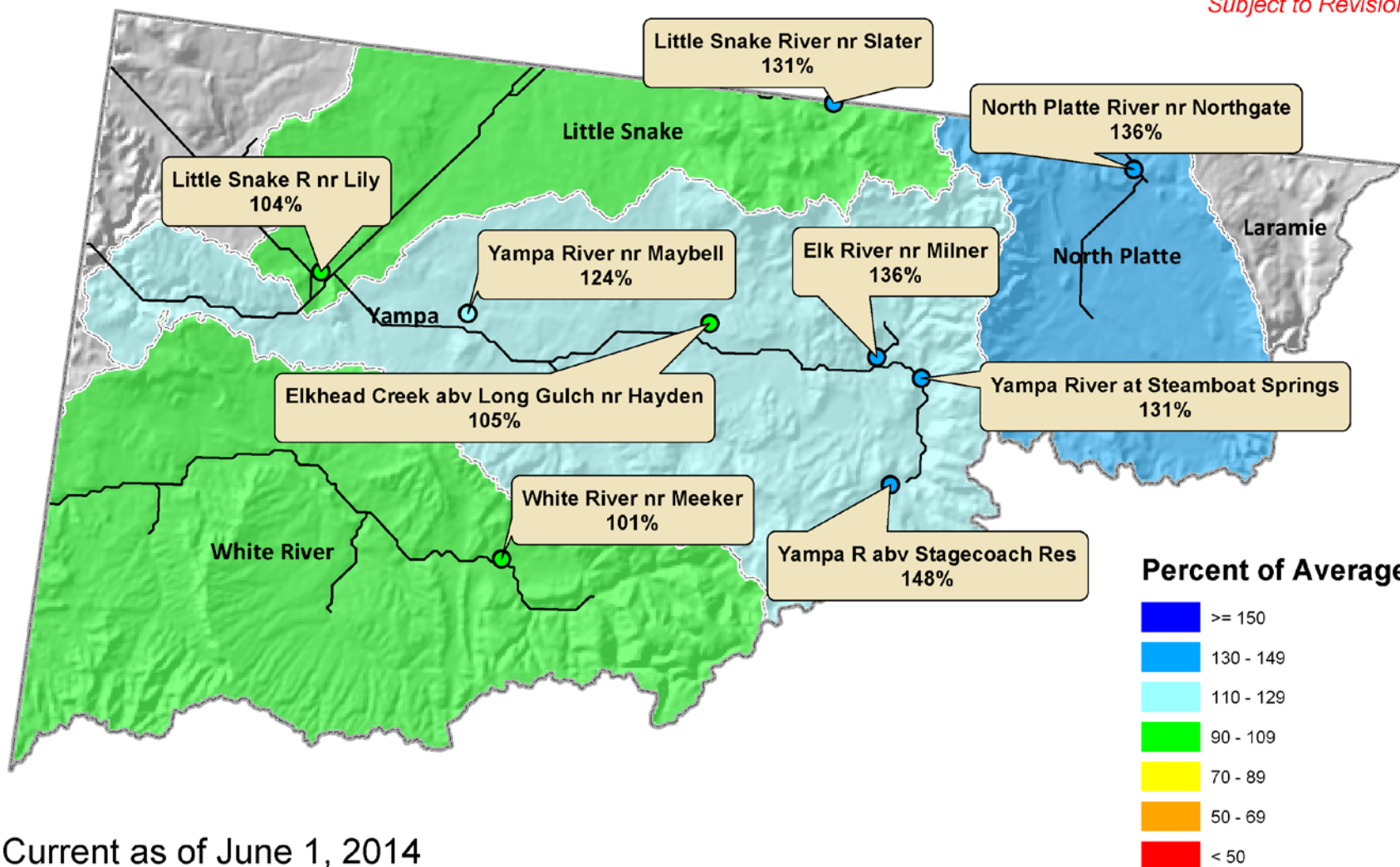
*Provisional Data
Subject to Revision*



End of July 2014

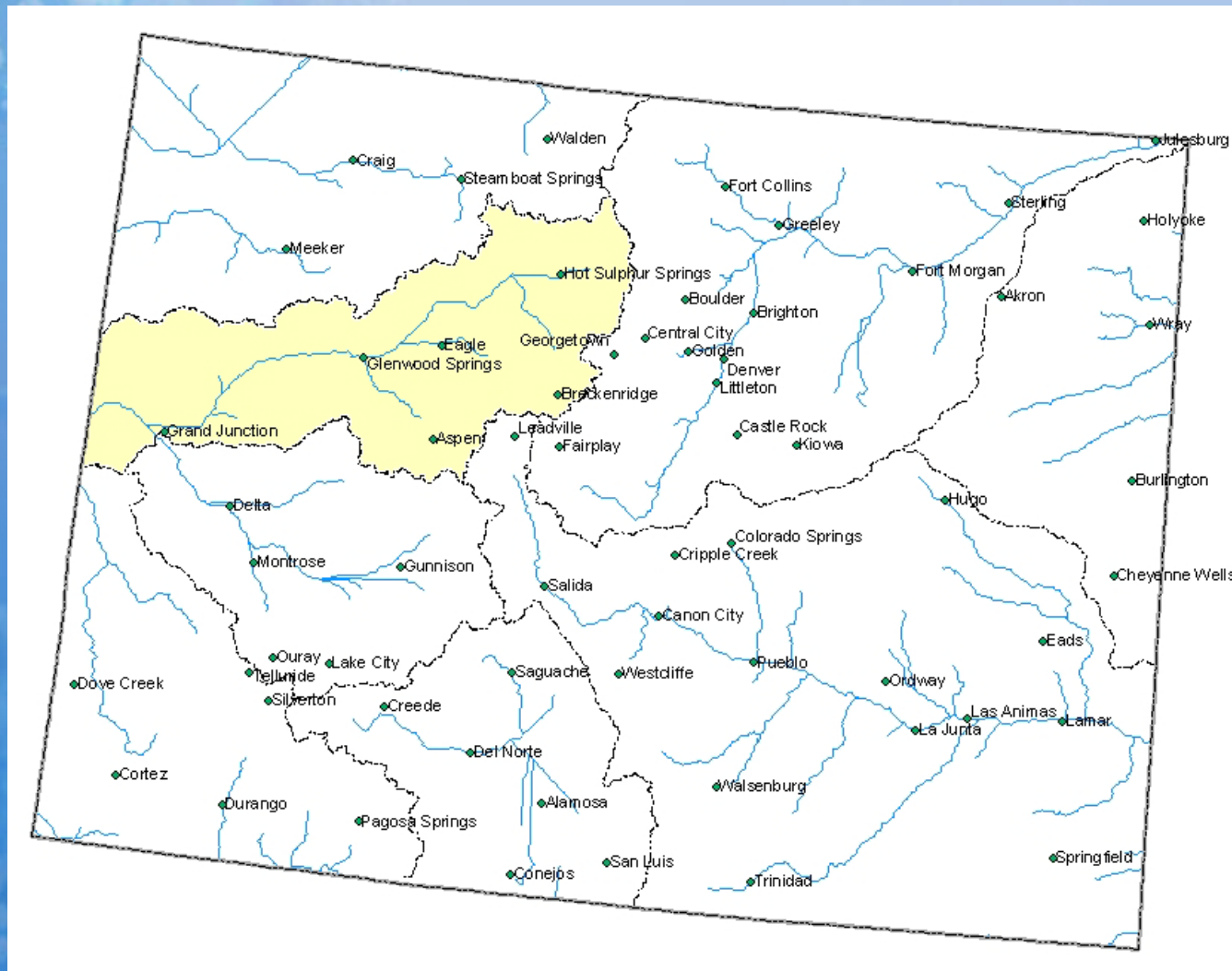
Yampa, White and North Platte River Basins Streamflow Map

*Provisional Data
Subject to Revision*



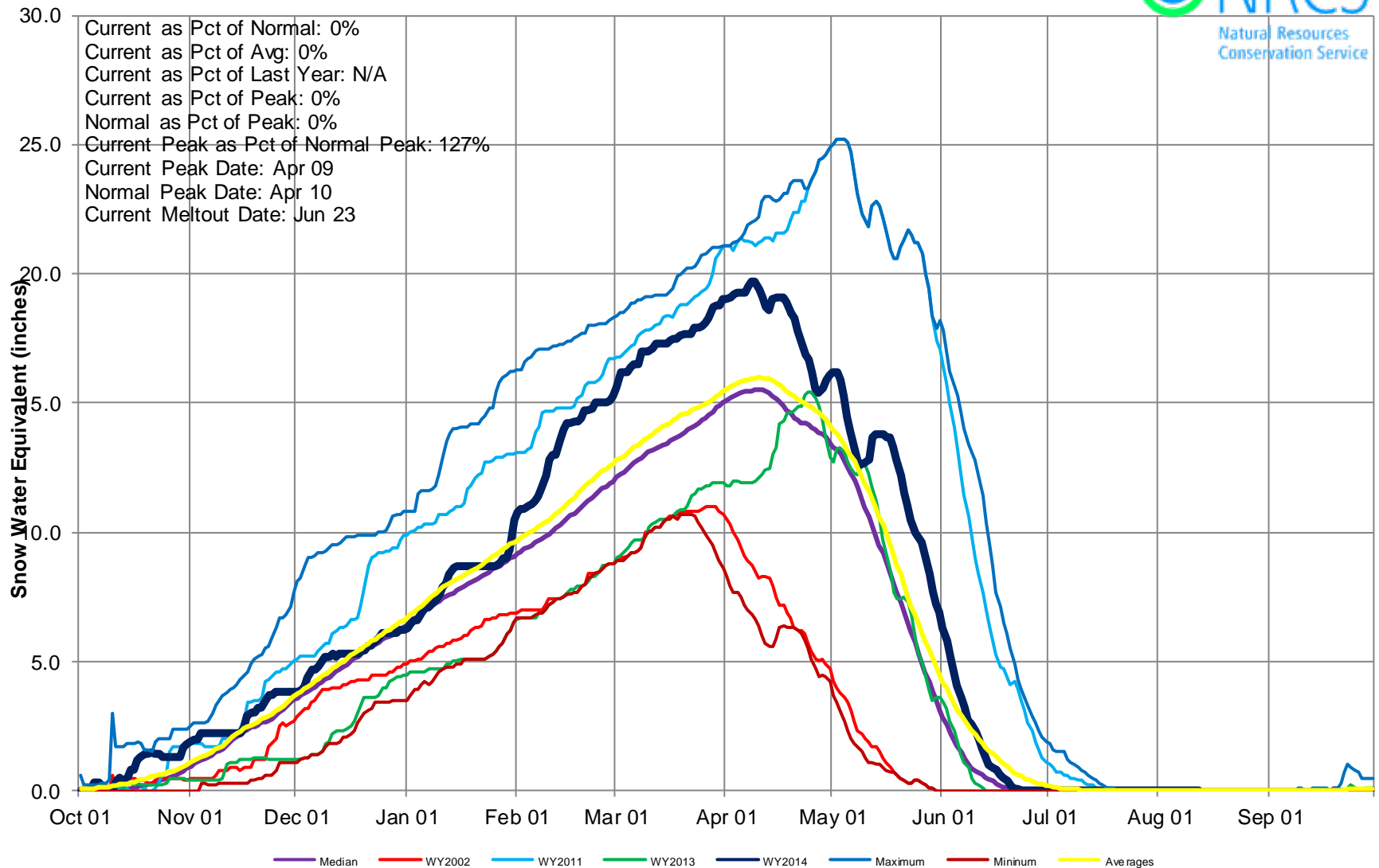
Current as of June 1, 2014

Colorado River Basin Summary



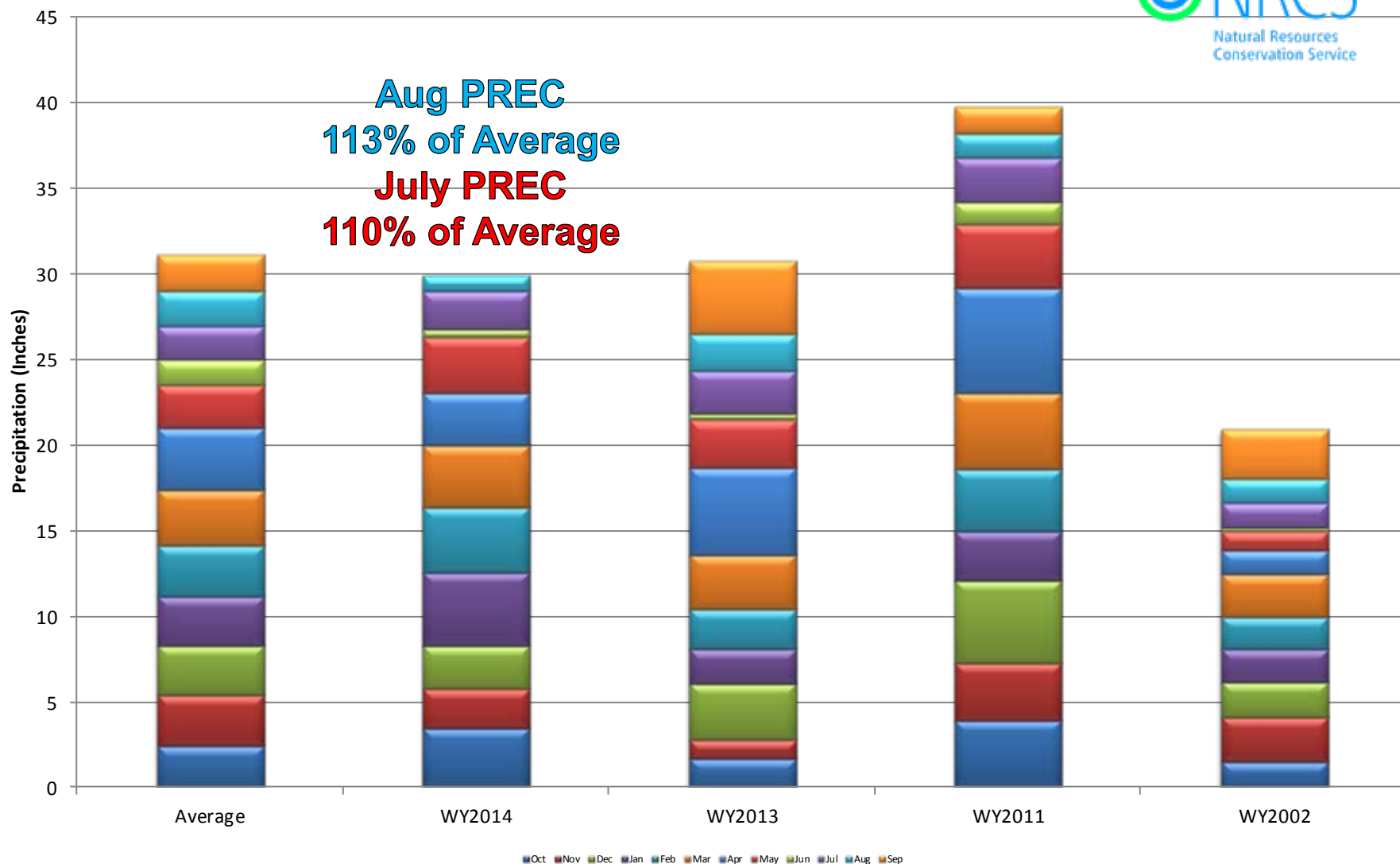
Upper Colorado River Basin High/Low Snowpack Summary

Based on Provisional SNOTEL data as of Aug 12, 2014



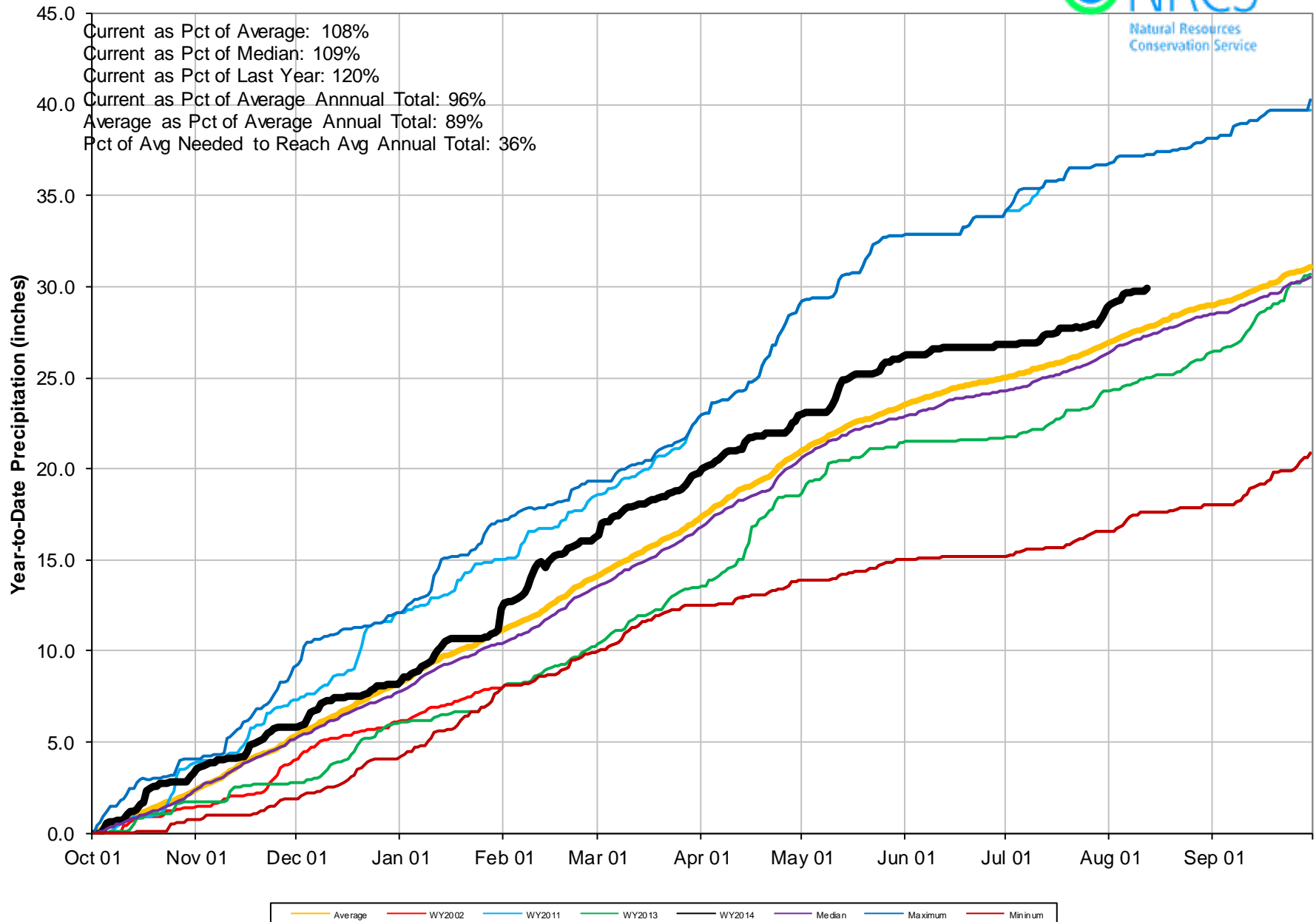
Upper Colorado River Basin High/Low Monthly Precipitation Summary

Based on Provisional SNOTEL data as of Aug 12, 2014



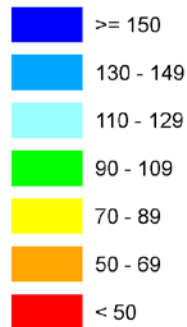
Upper Colorado River Basin High/Low Year-to-Date Precipitation Summary

Based on Provisional SNOTEL data as of Aug 12, 2014

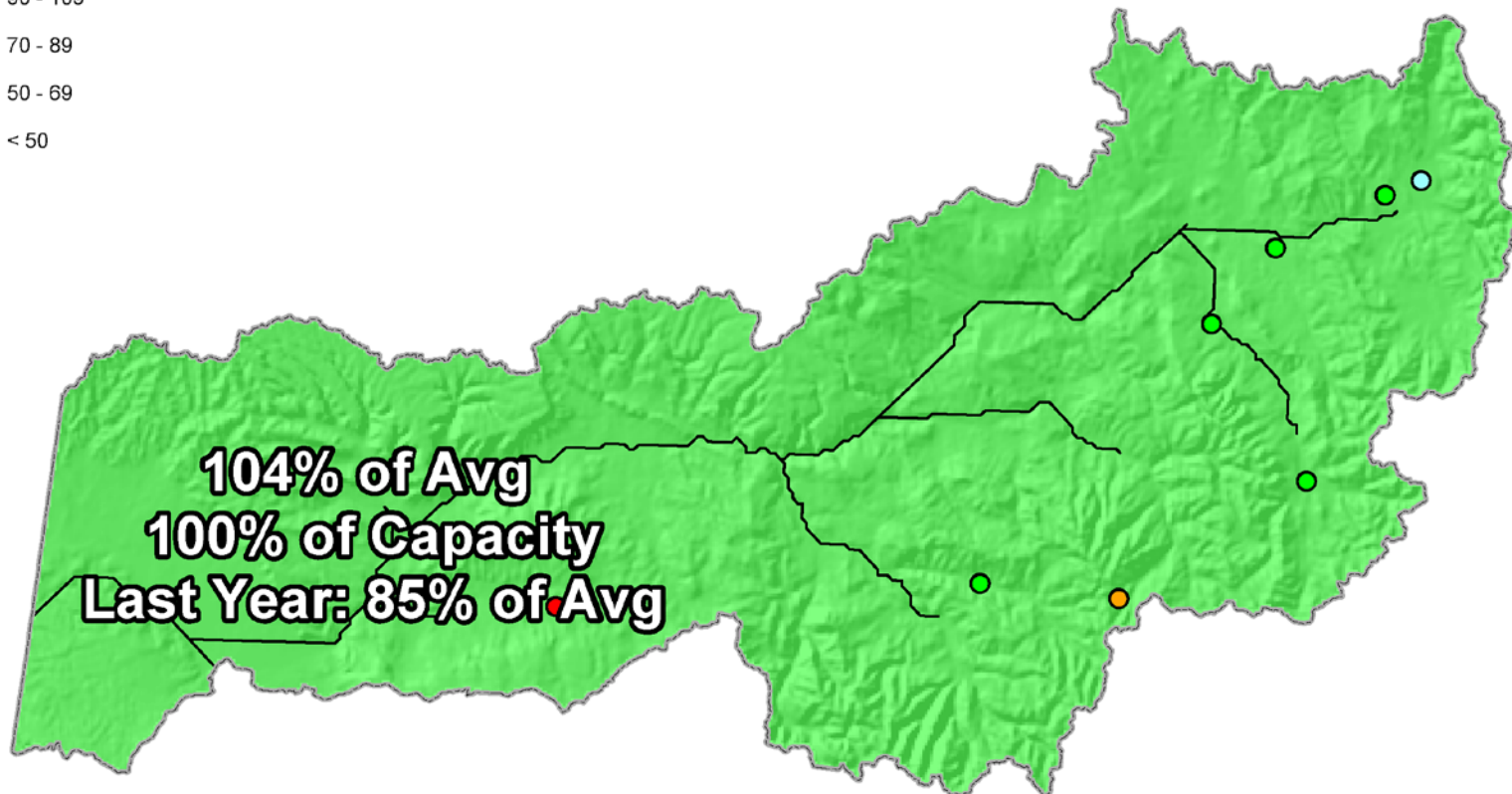


Colorado River Basin Reservoir Storage Map

Percent of Average



*Provisional Data
Subject to Revision*



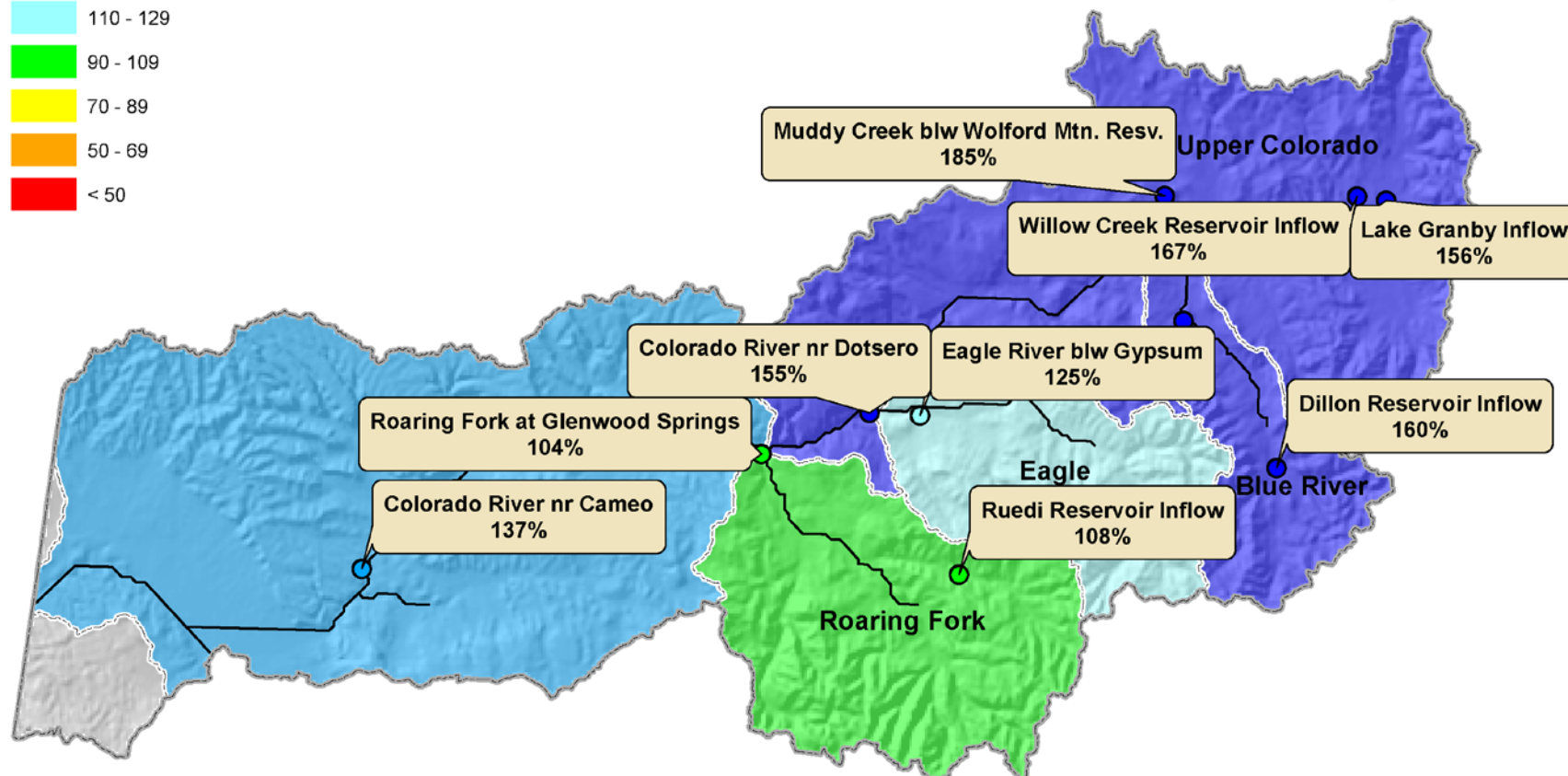
End of July 2014

Colorado River Basin Streamflow Forecast Map

Percent of Average

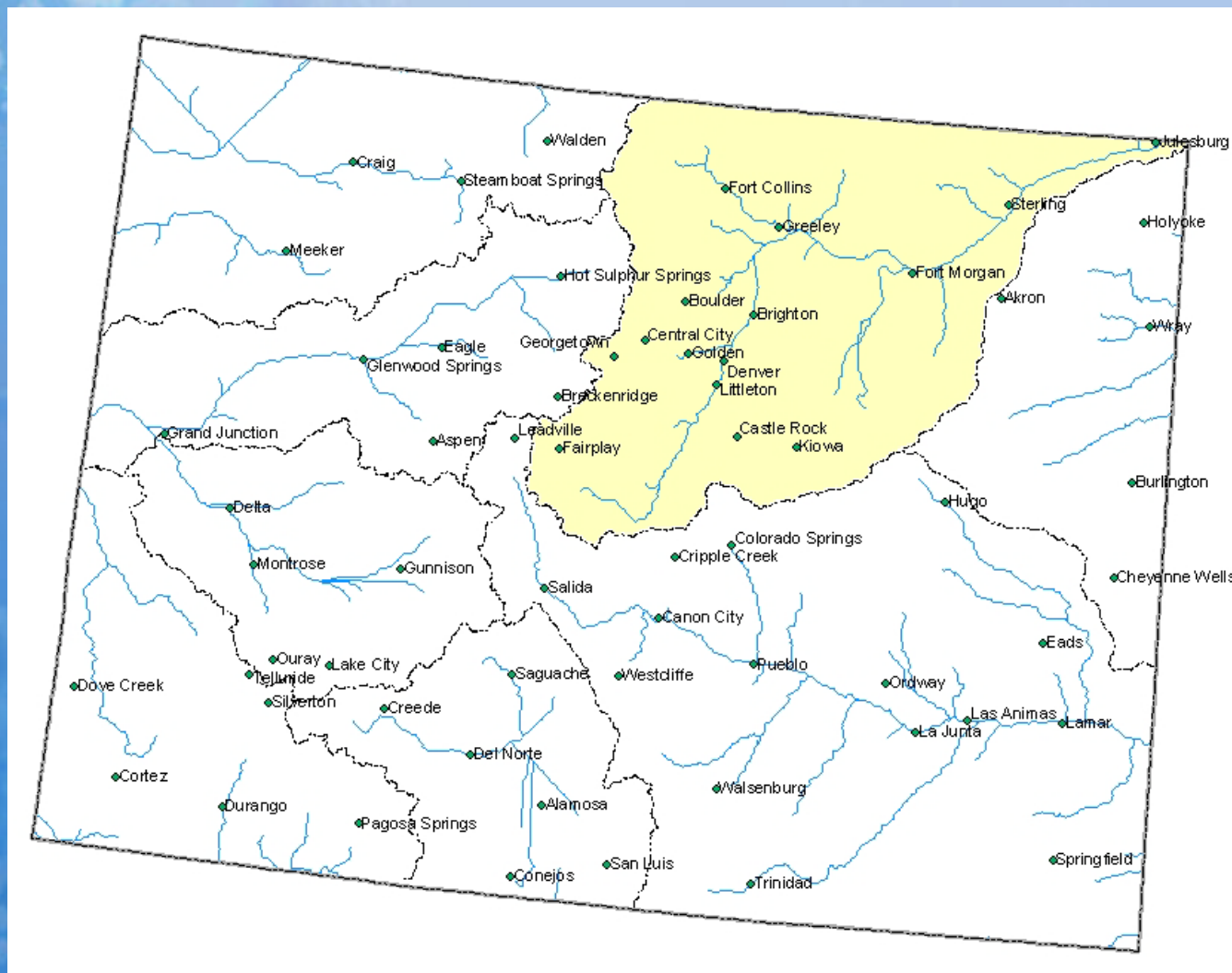


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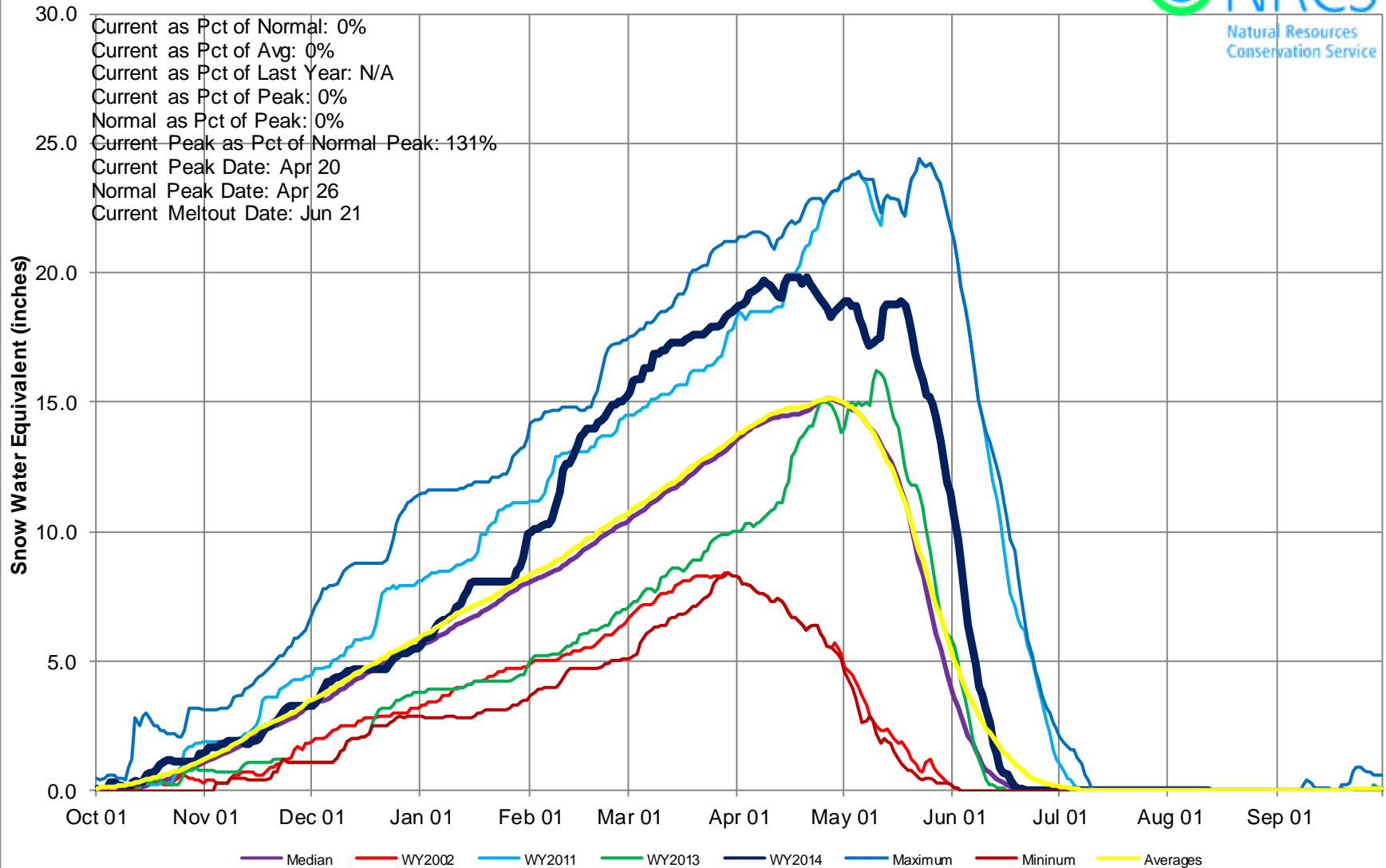
Current as of June 1, 2014

South Platte River Basin Summary



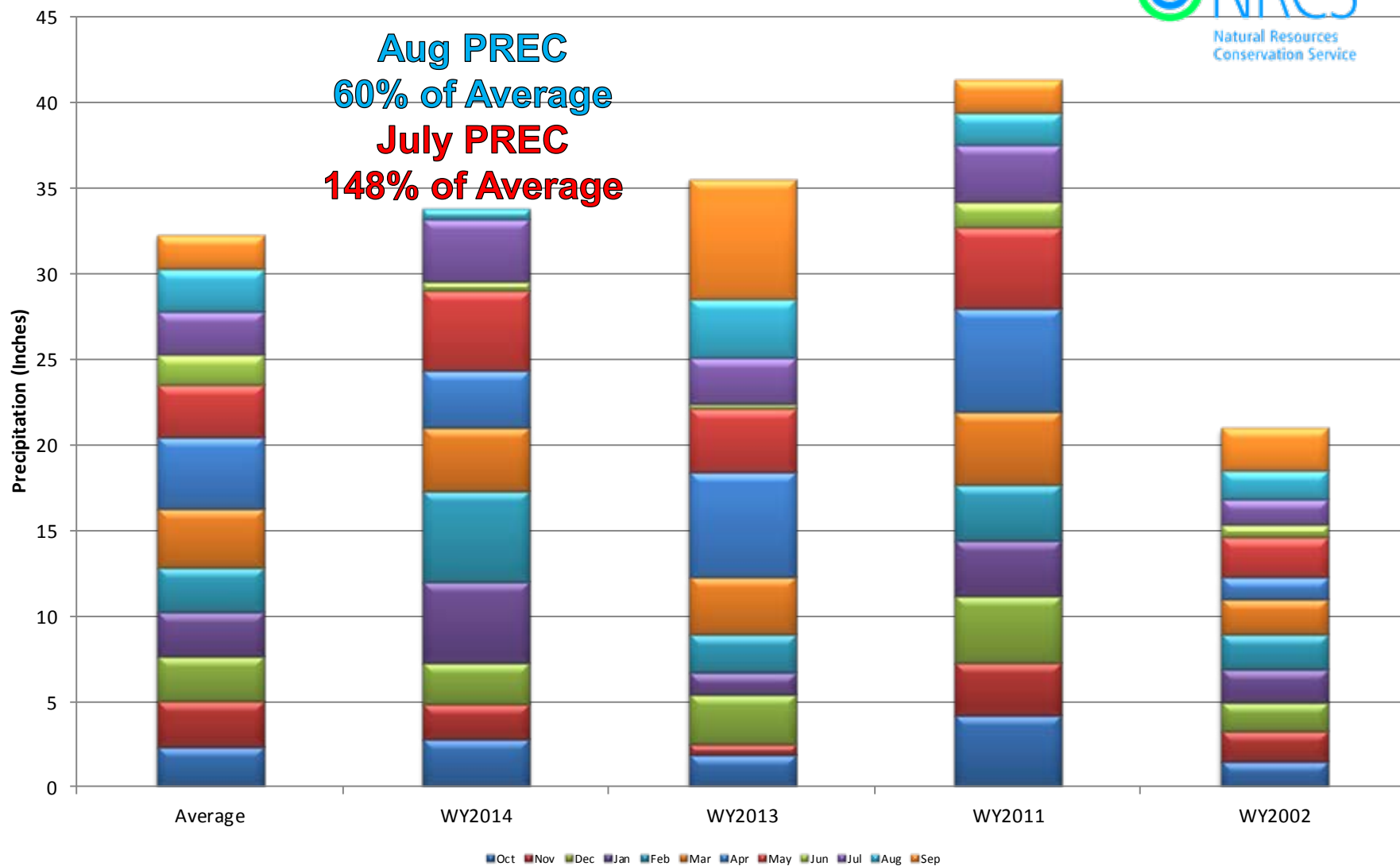
South Platte River Basin High/Low Snowpack Summary

Based on Provisional SNOTEL data as of Aug 12, 2014

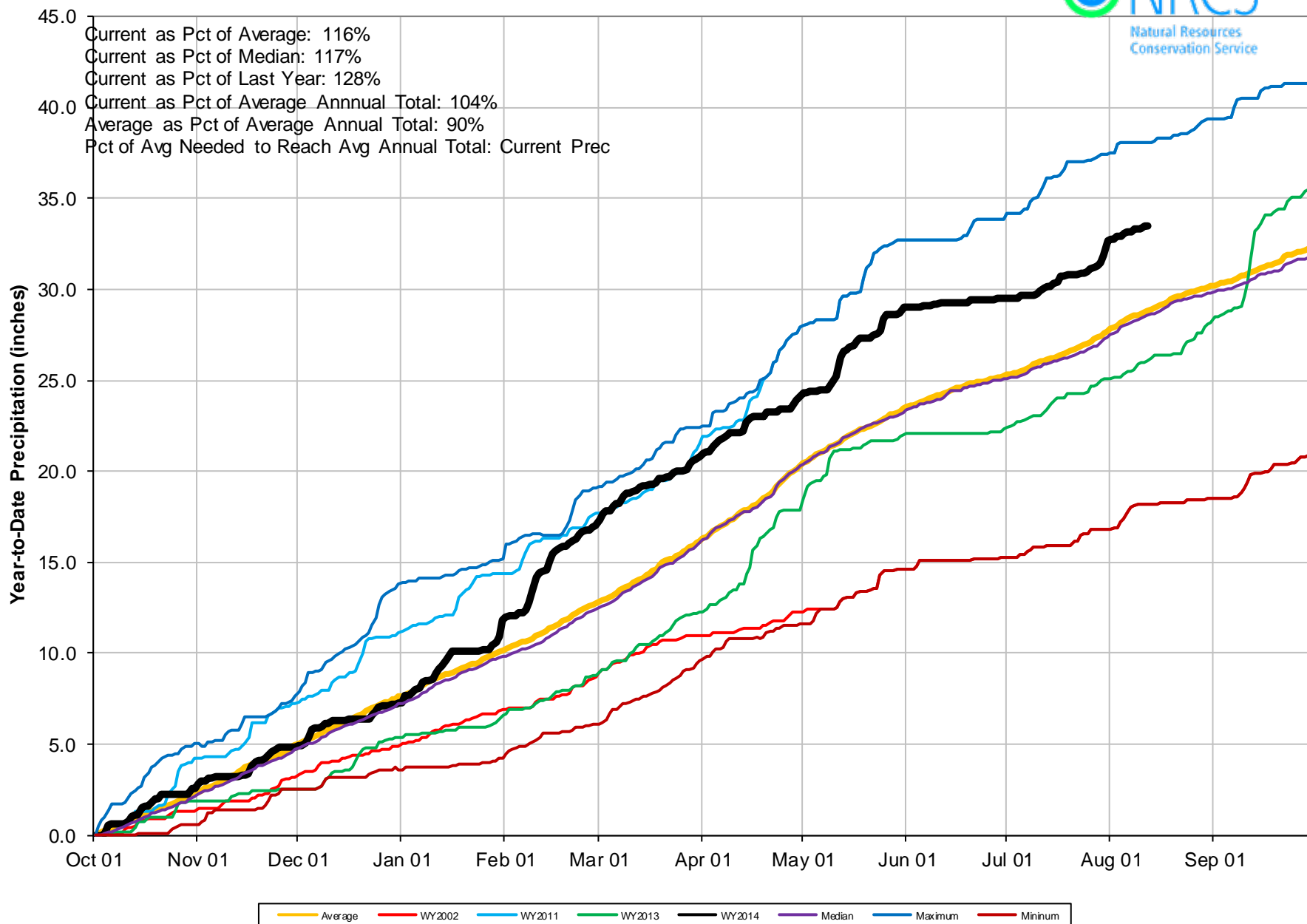


South Platte River Basin High/Low Monthly Precipitation Summary

Based on Provisional SNOTEL data as of Aug 12, 2014



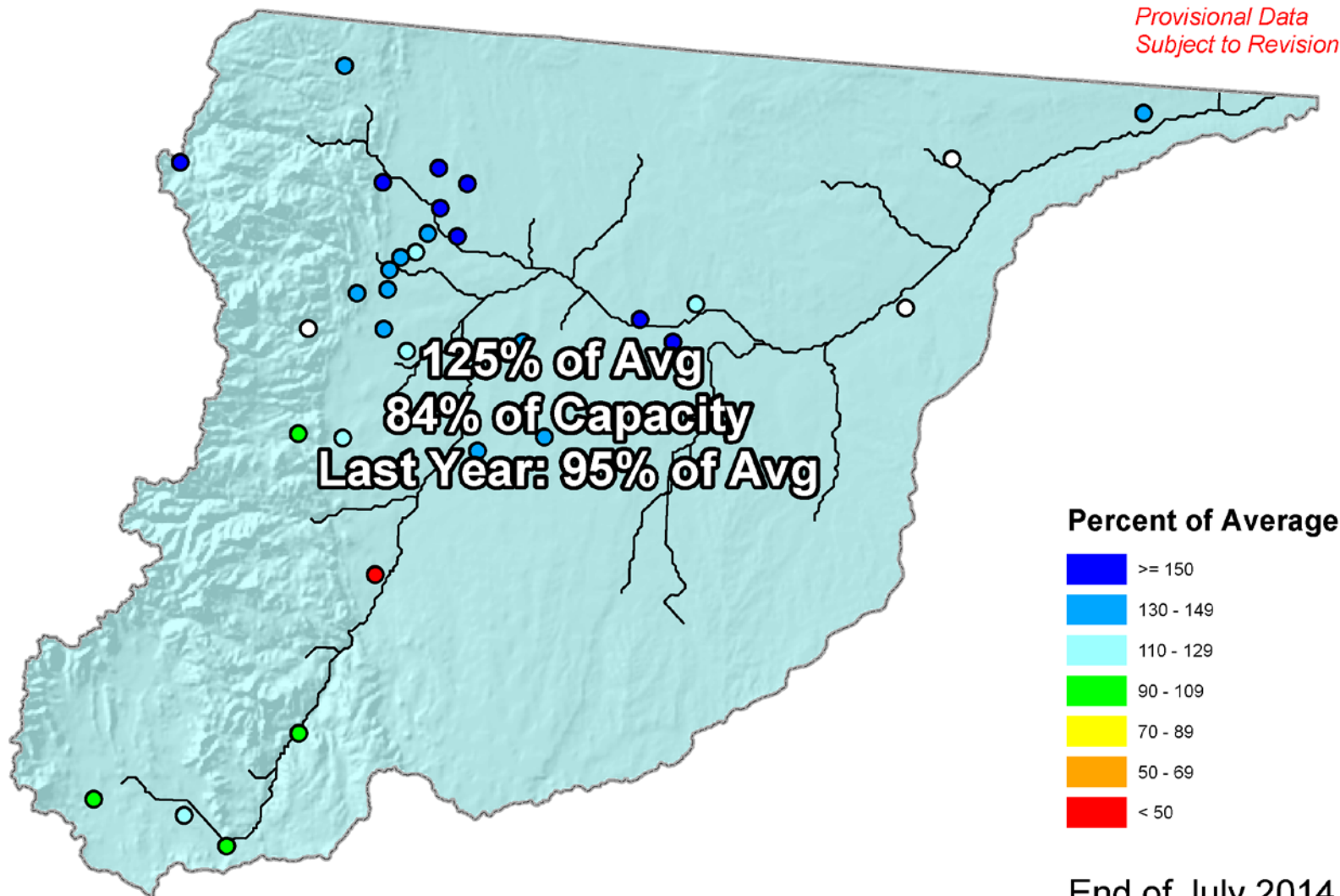
Based on Provisional SNOTEL data as of Aug 12, 2014



South Platte River Basin Reservoir Storage Map



*Provisional Data
Subject to Revision*

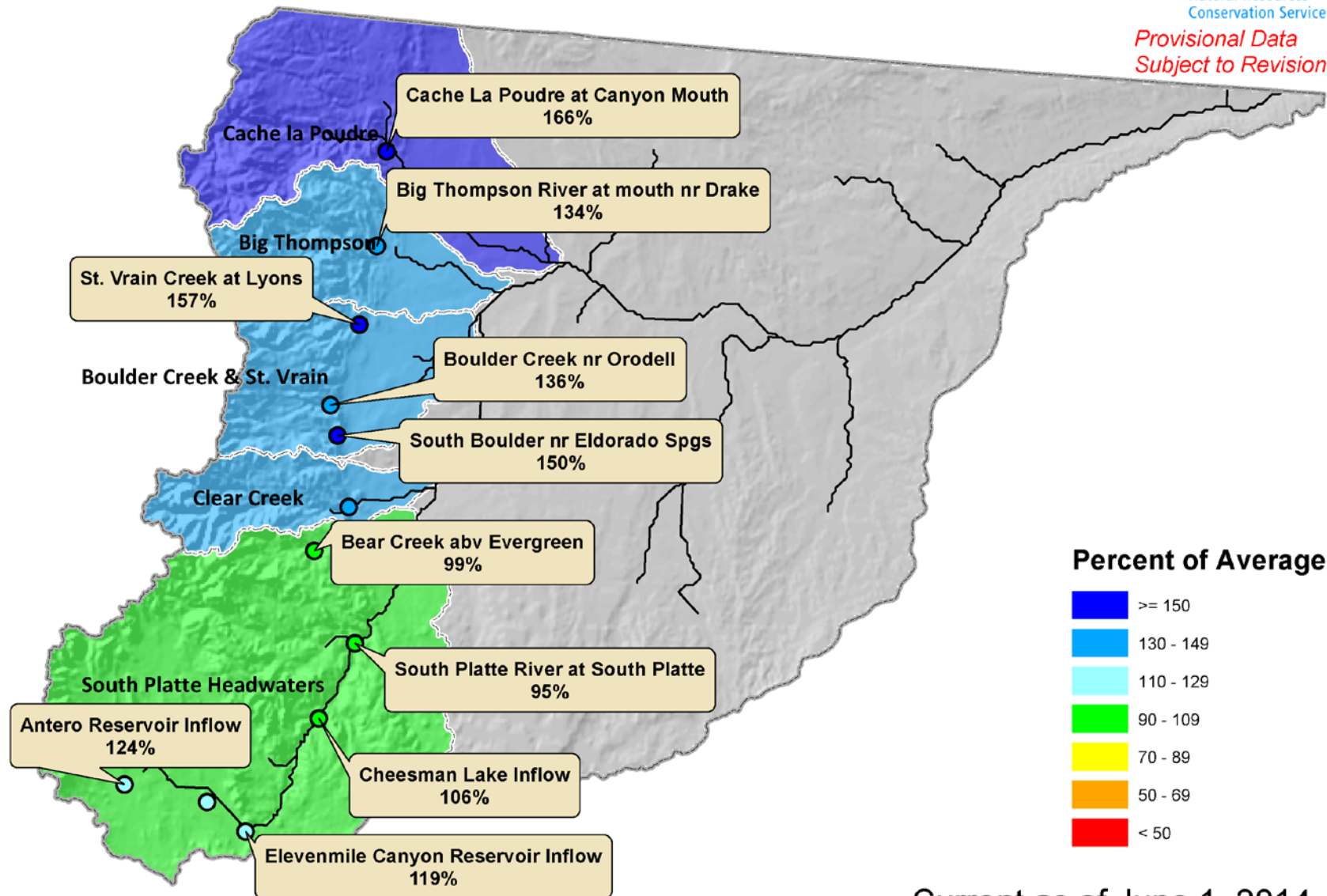


End of July 2014

South Platte River Basin Streamflow Forecast Map

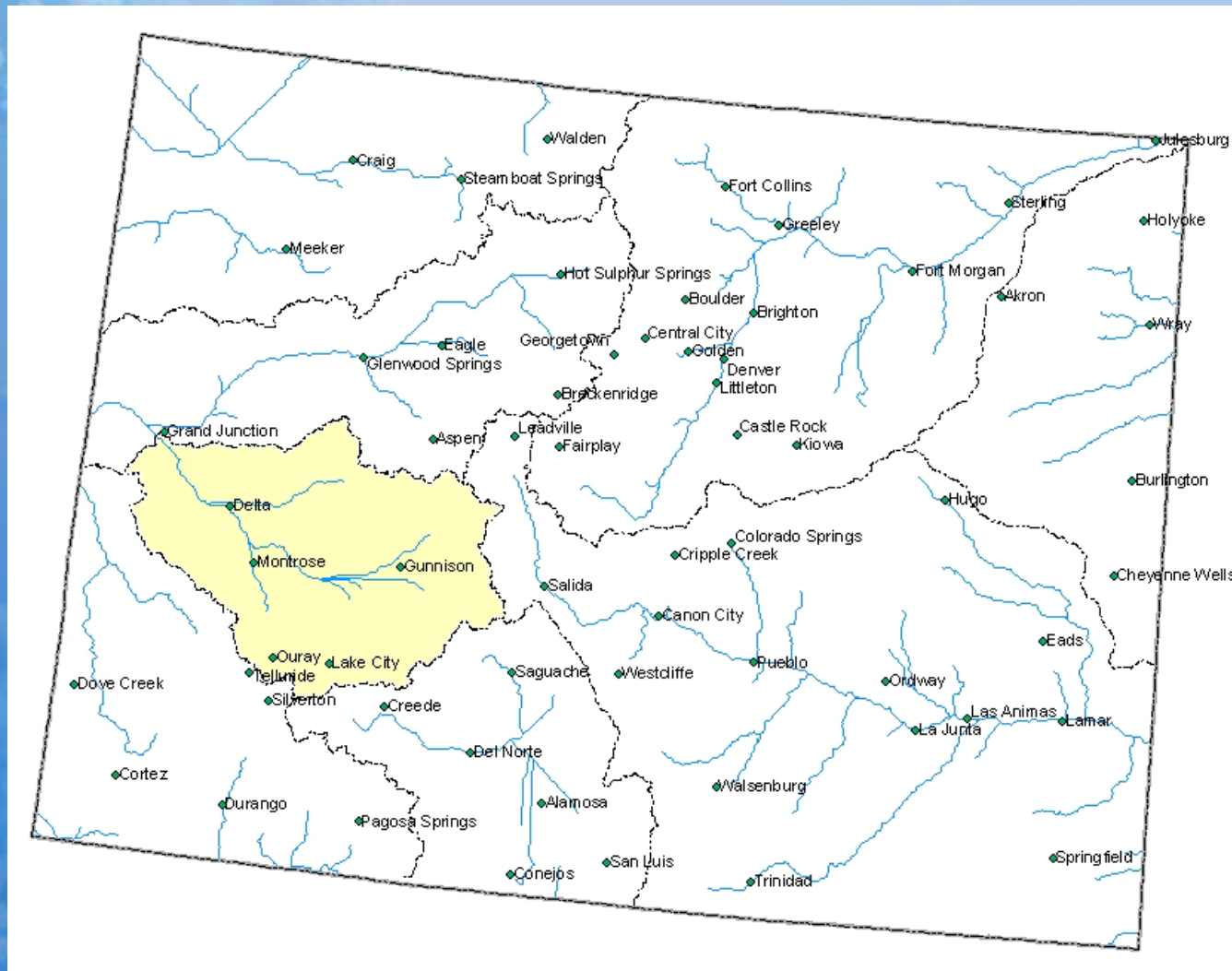


*Provisional Data
Subject to Revision*



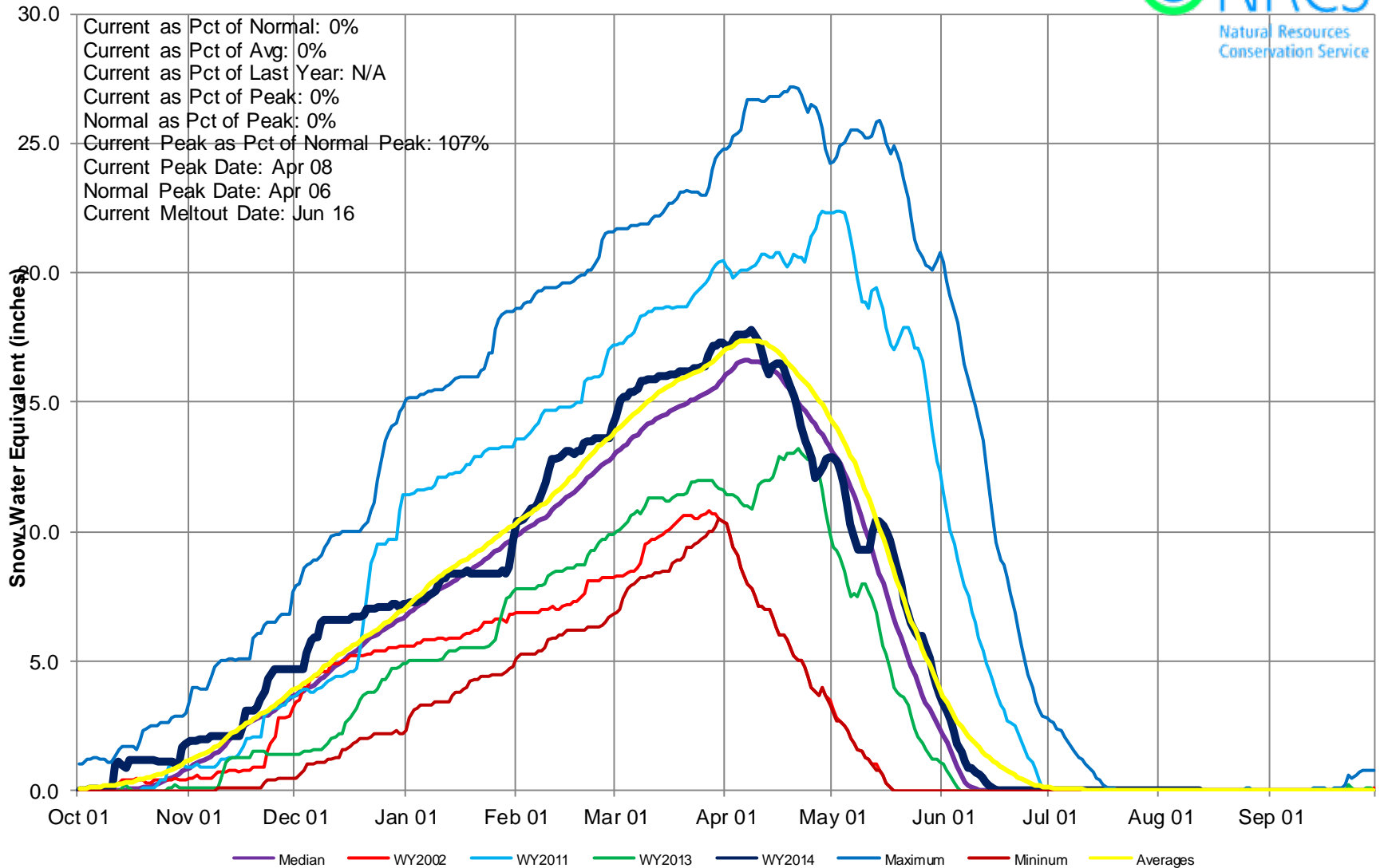
Current as of June 1, 2014

Gunnison River Basin Summary



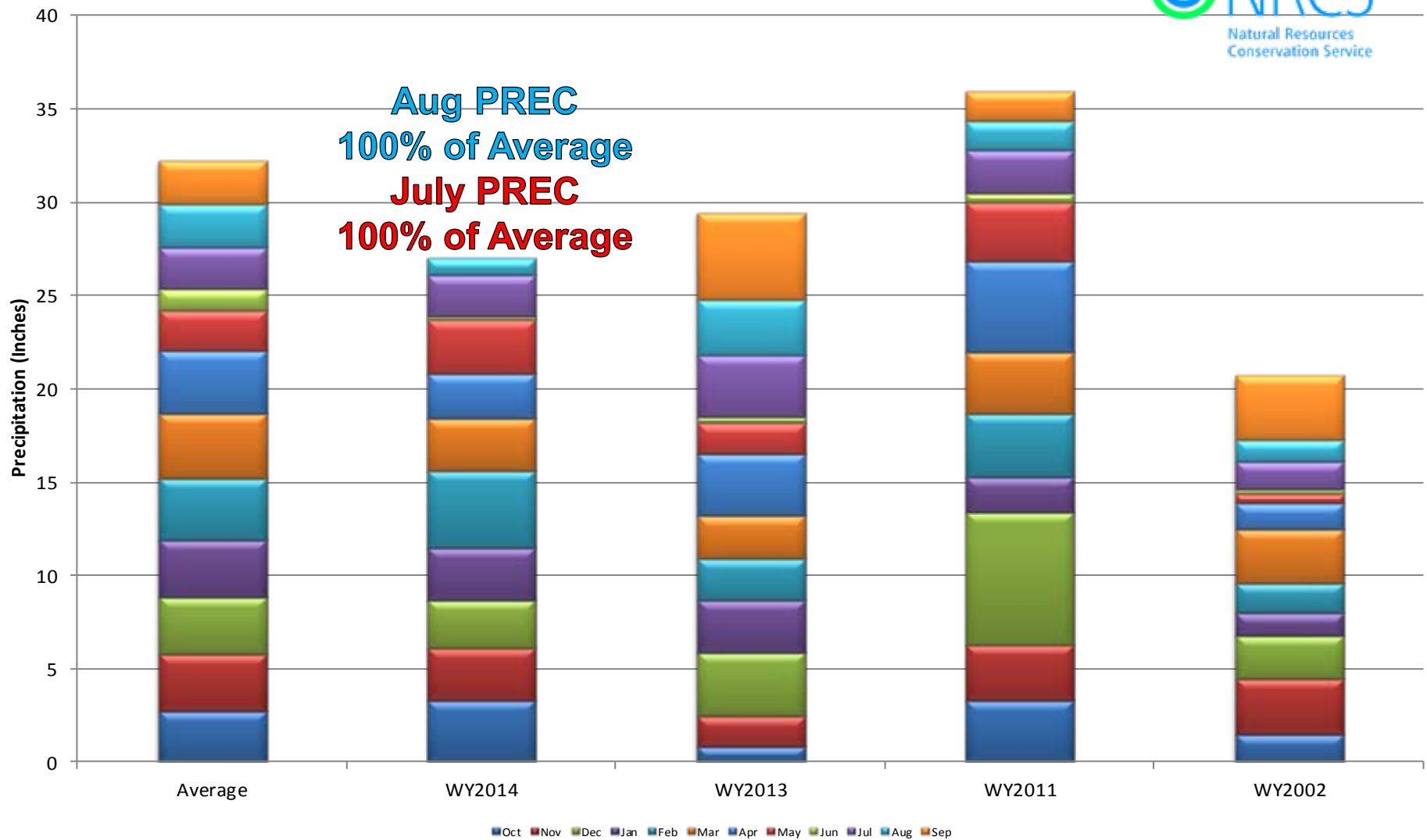
Gunnison River Basin High/Low Snowpack Summary

Based on Provisional SNOTEL data as of Aug 12, 2014



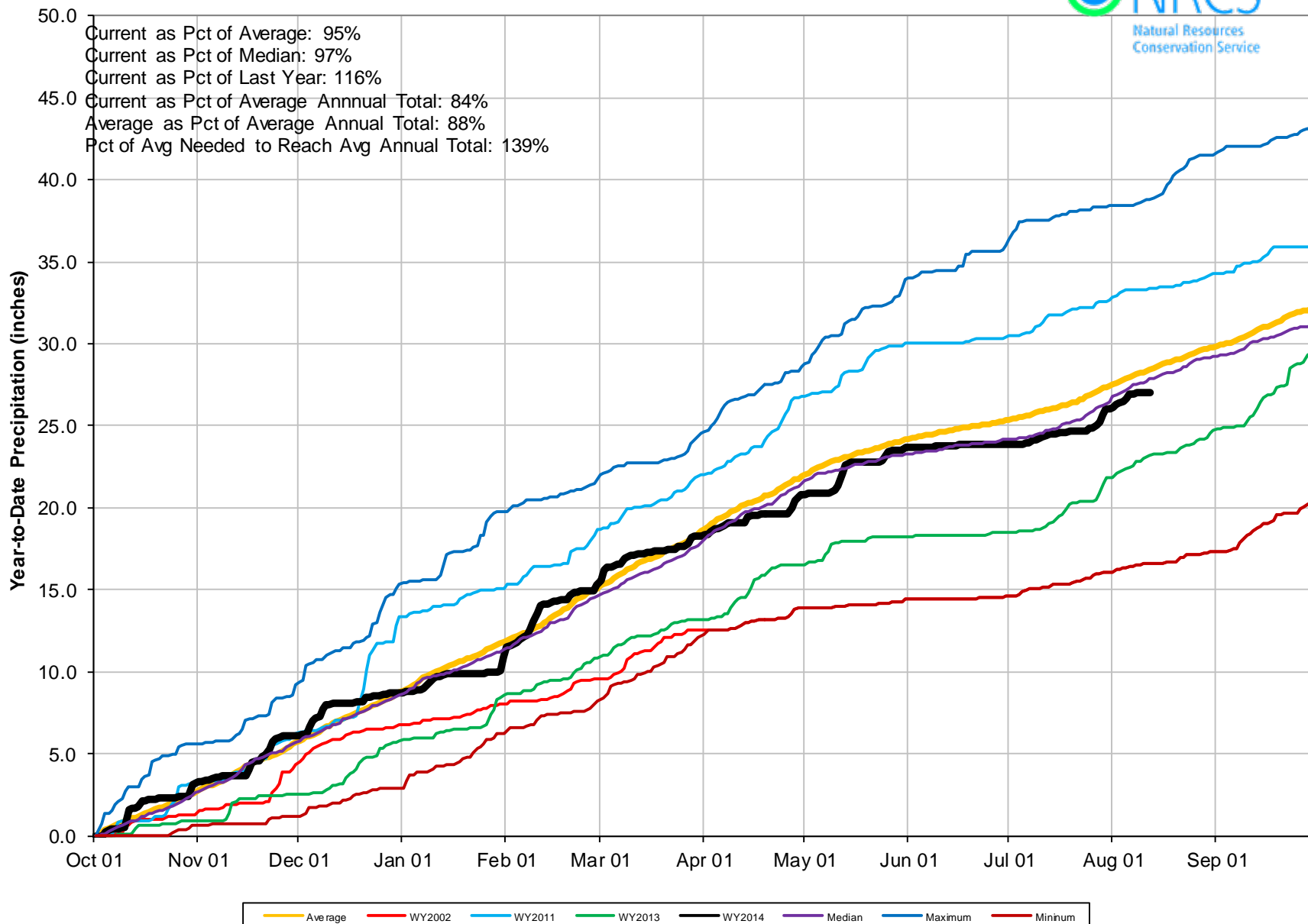
Gunnison River Basin High/Low Monthly Precipitation Summary

Based on Provisional SNOTEL data as of Aug 12, 2014



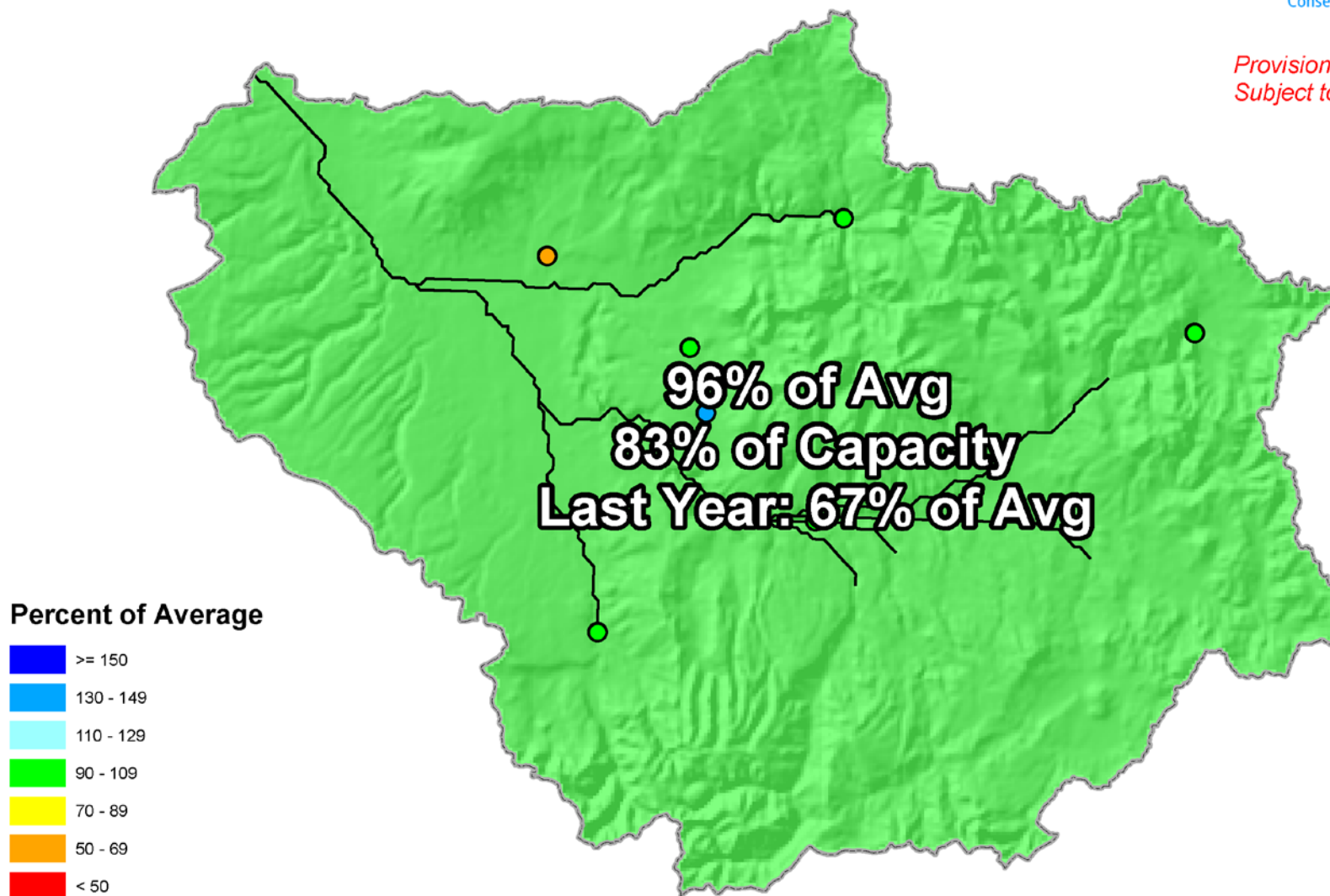
Gunnison River Basin High/Low Year-to-Date Precipitation Summary

Based on Provisional SNOTEL data as of Aug 12, 2014



Gunnison River Basin Reservoir Storage Map

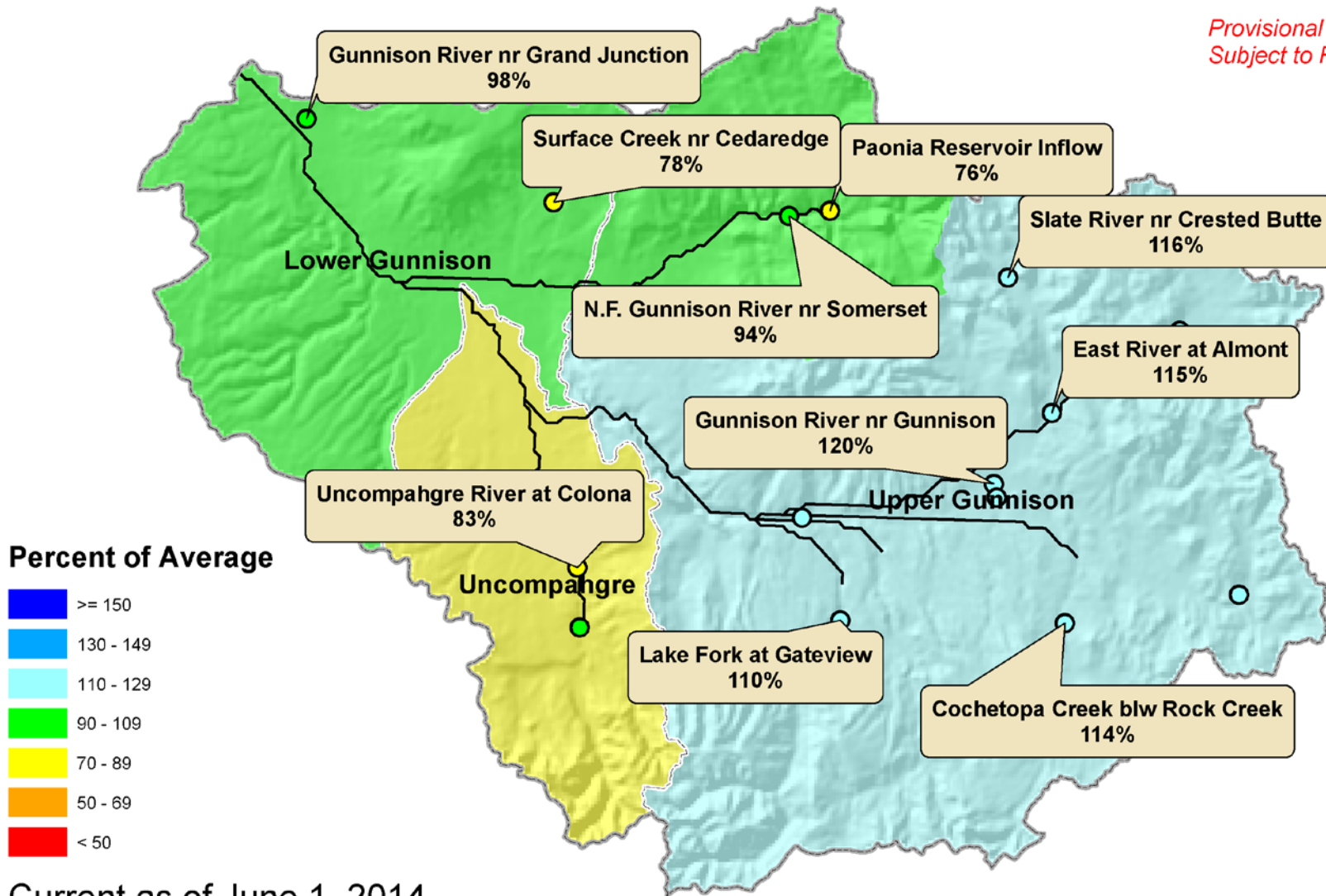
*Provisional Data
Subject to Revision*



End of July 2014

Gunnison River Basin Streamflow Forecast Map

*Provisional Data
Subject to Revision*

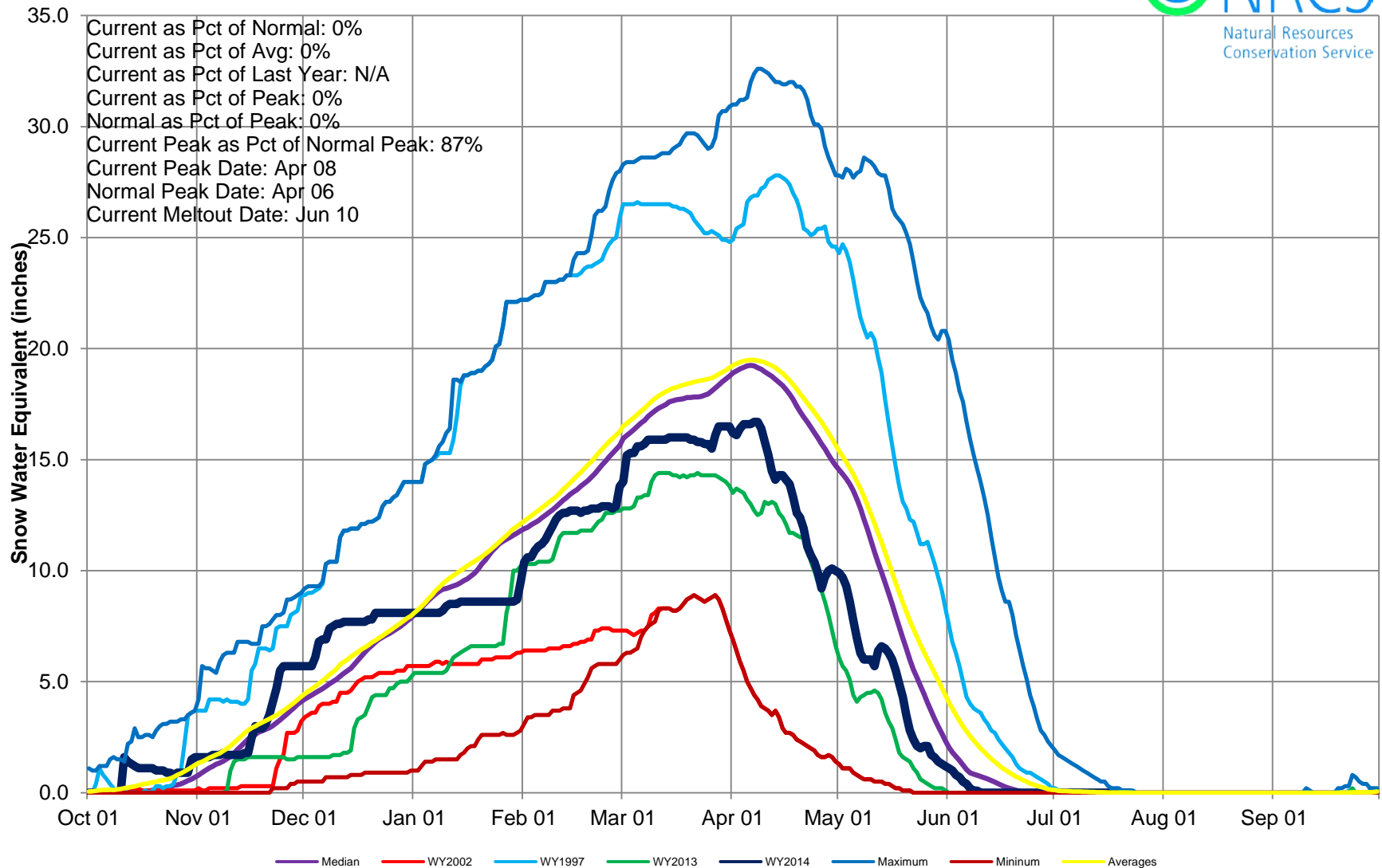


Current as of June 1, 2014

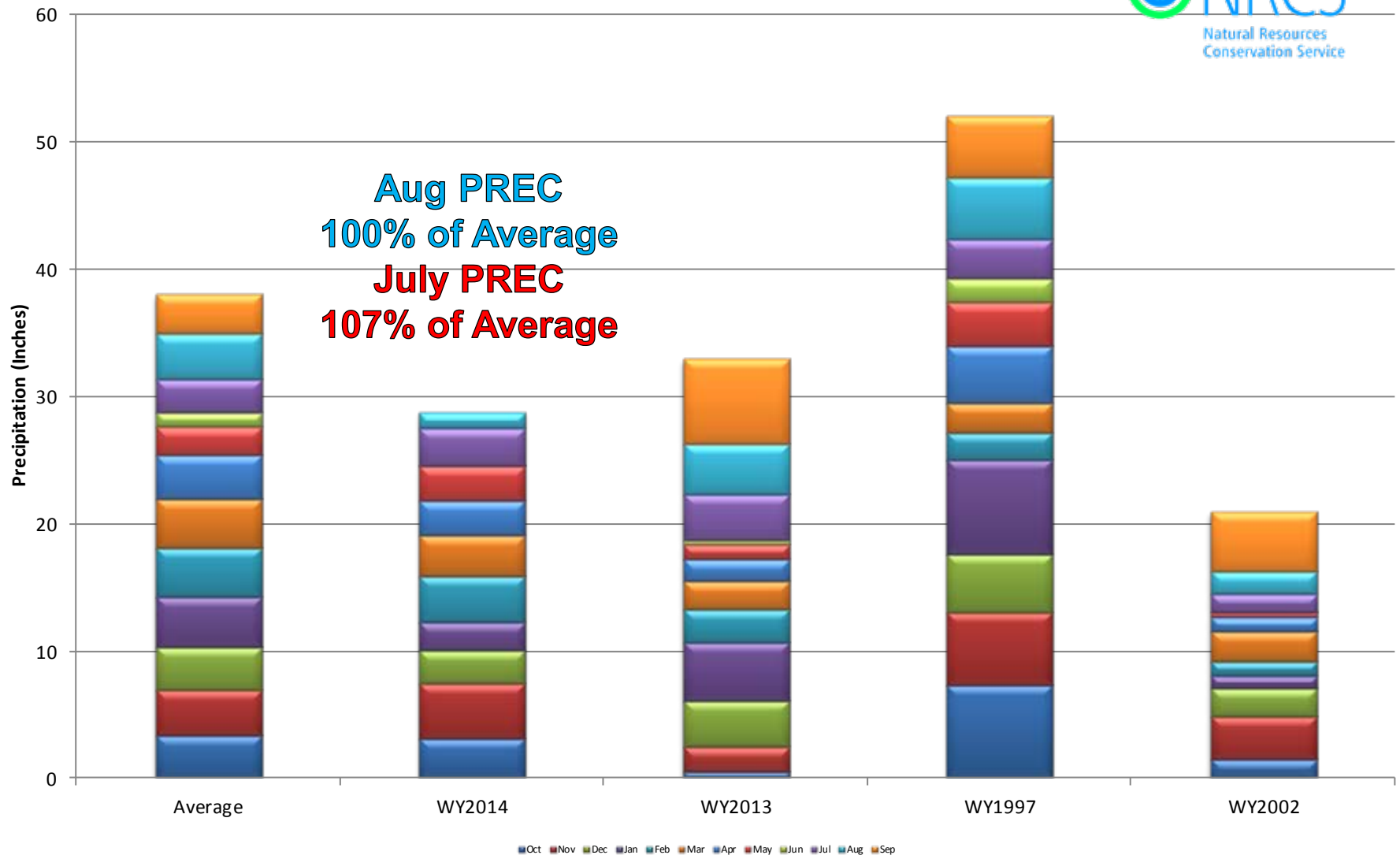
A map of the state of Colorado, showing its geographical features, major cities, and rivers. The state is outlined in black. Major cities are marked with green dots and labeled. Rivers are shown as blue lines. The southwestern corner of the state is shaded in yellow. The map includes the following cities: Walden, Craig, Steamboat Springs, Meeker, Fort Collins, Greeley, Sterling, Holyoke, Hot Sulphur Springs, Boulder, Brighton, Fort Morgan, Akron, Wray, Eagle, Georgetown, Central City, Golden, Denver, Littleton, Brackenridge, Castle Rock, Kiowa, Aspen, Leadville, Fairplay, Grand Junction, Delta, Montrose, Gunnison, Cripple Creek, Colorado Springs, Hugo, Burlington, Cheyenne Wells, Salida, Canon City, Pueblo, Eads, Ouray, Lake City, Silt, Creede, Sagua, Westcliffe, Ordway, Las Animas, Lamar, Dove Creek, Cortez, Durango, Pagosa Springs, Del Norte, Alamosa, Walsenburg, Conejos, San Luis, Trinidad, La Junta, and Springfield. The southwestern corner of the state is shaded in yellow.

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

Based on Provisional SNOTEL data as of Jul 22, 2014

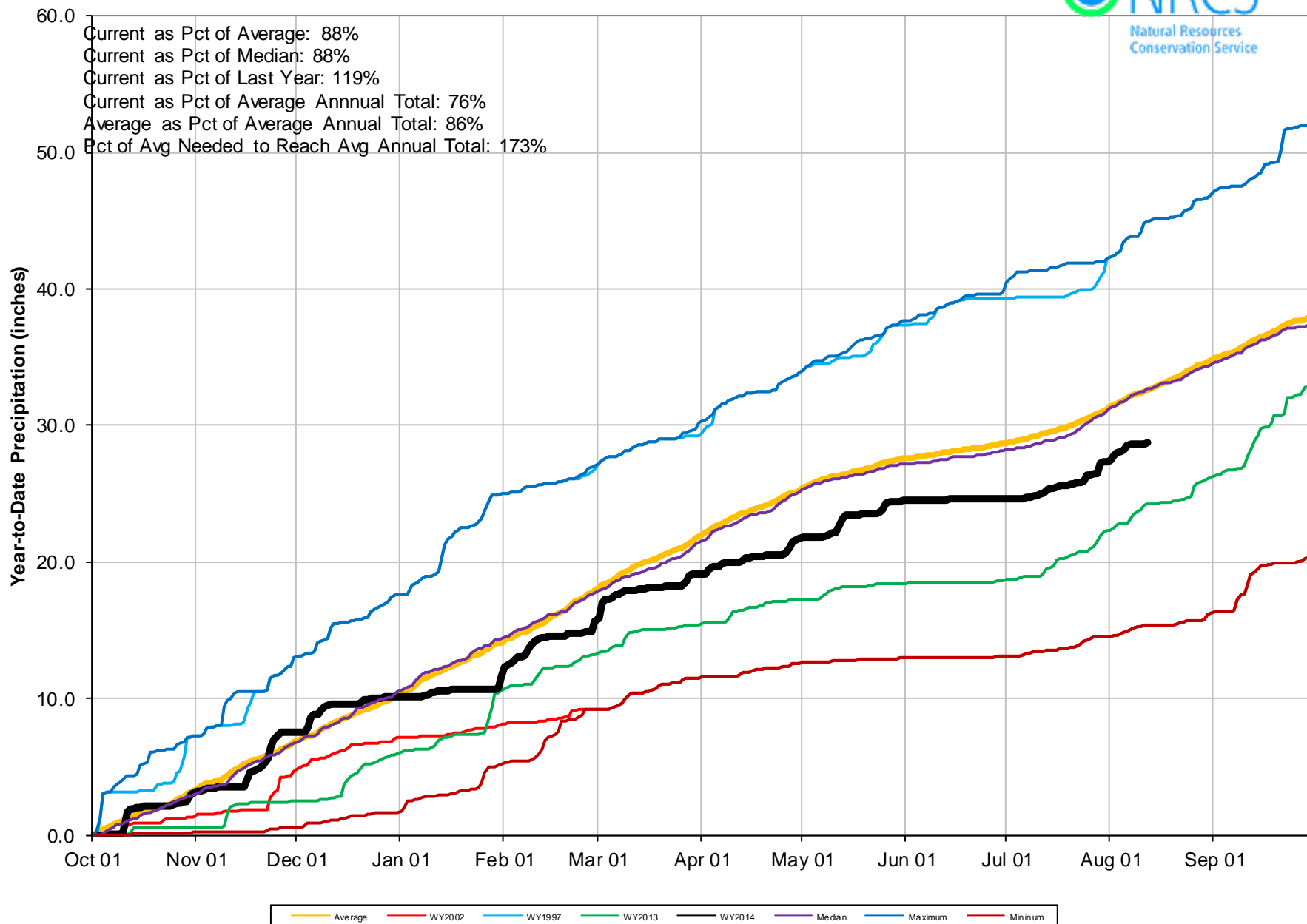


San Miguel, Dolores, Animas & San Juan River Basins High/Low Monthly Precipitation Summary



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

Based on Provisional SNOTEL data as of Aug 12, 2014



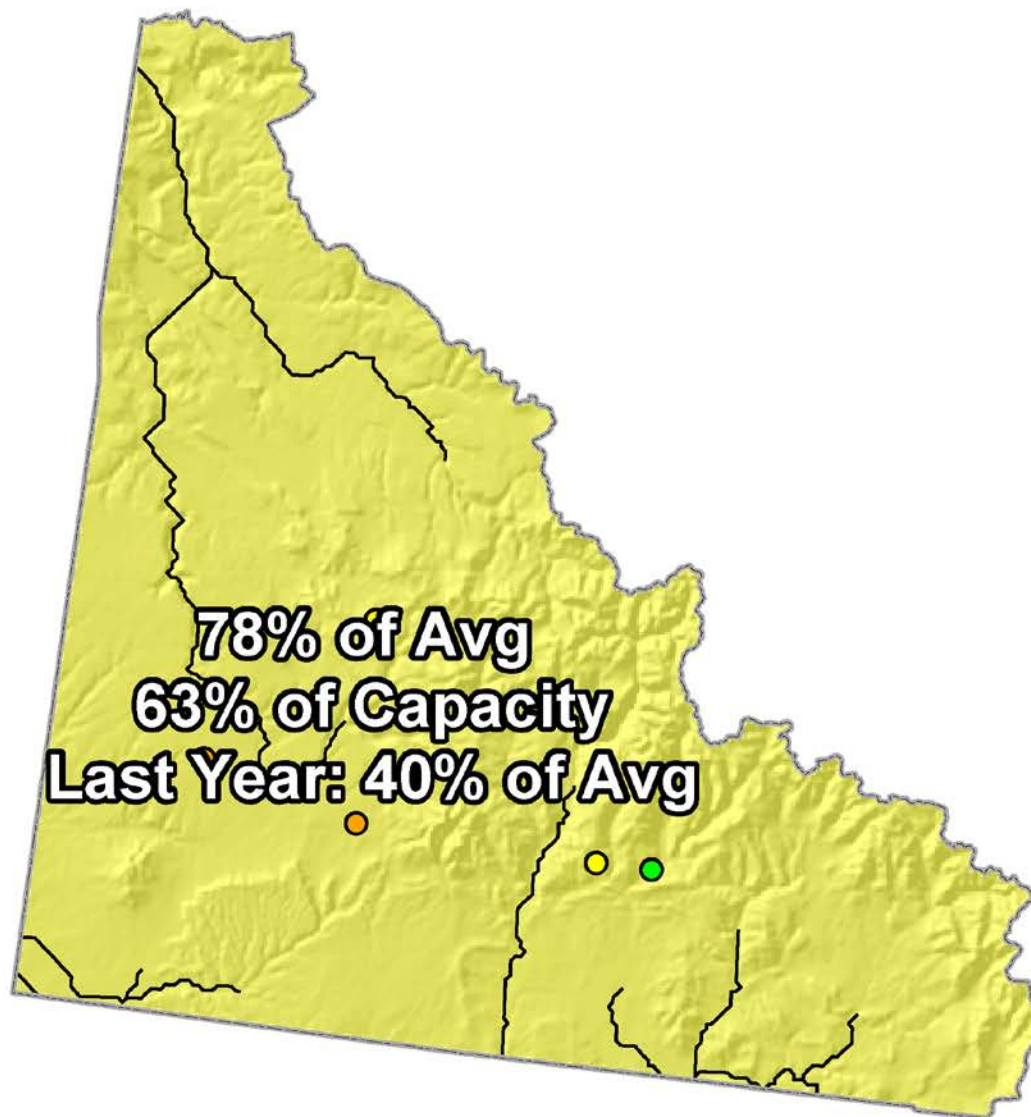
San Miguel, Dolores, Animas and San Juan River Basins Reservoir Storage Map



Percent of Average



*Provisional Data
Subject to Revision*



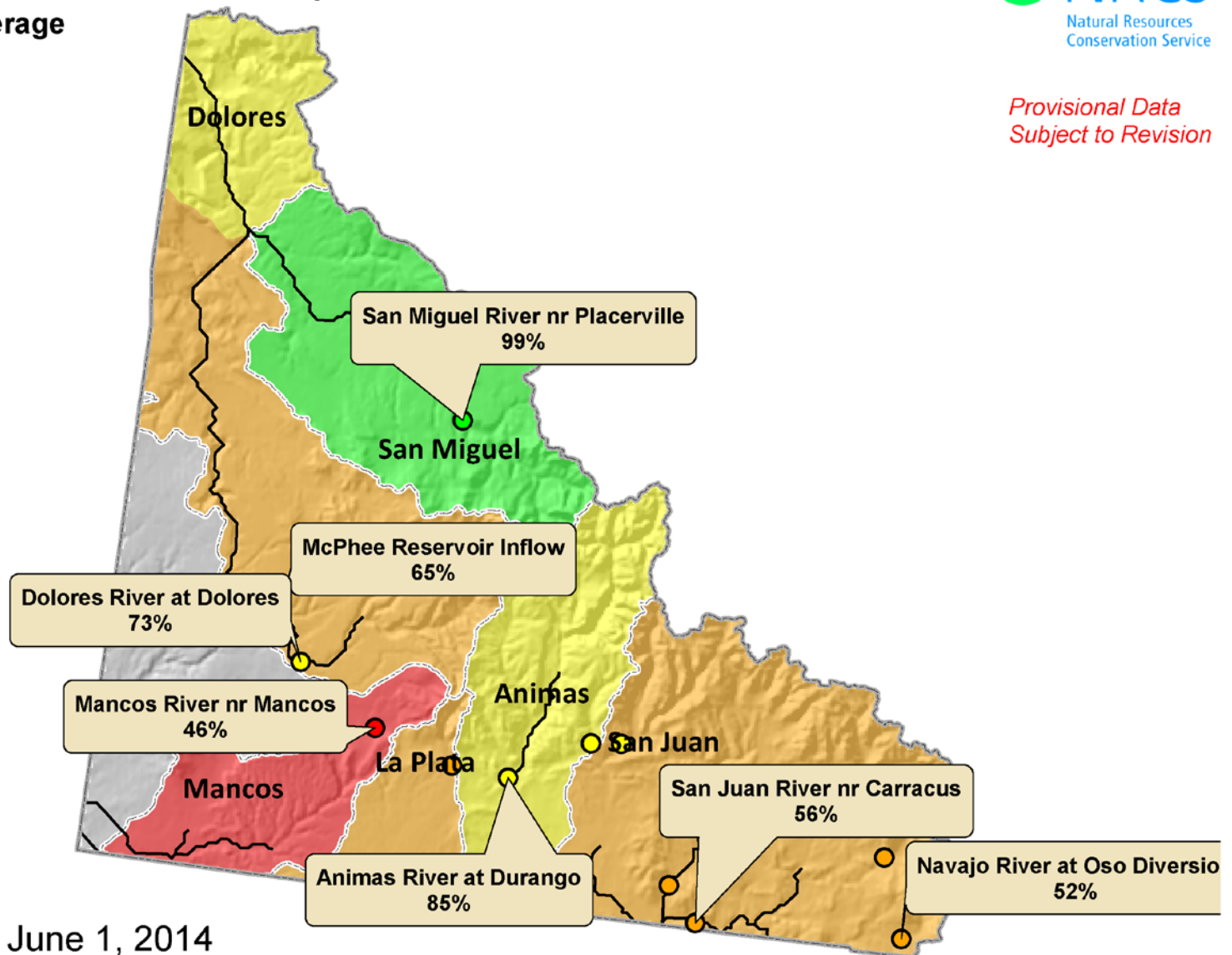
End of July 2014

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



*Provisional Data
Subject to Revision*

Percent of Average



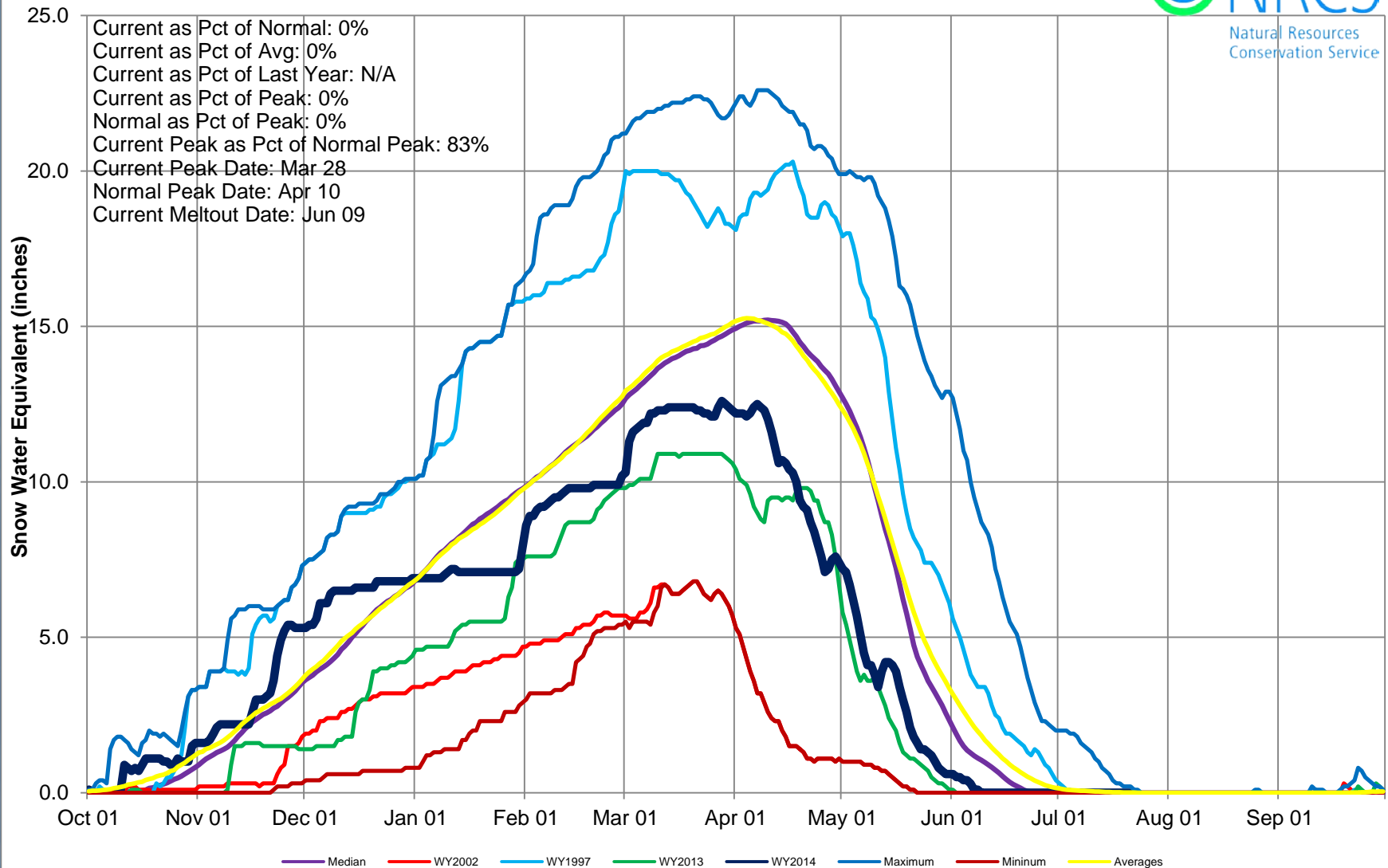
Current as of June 1, 2014

Upper Rio Grande Basin Summary



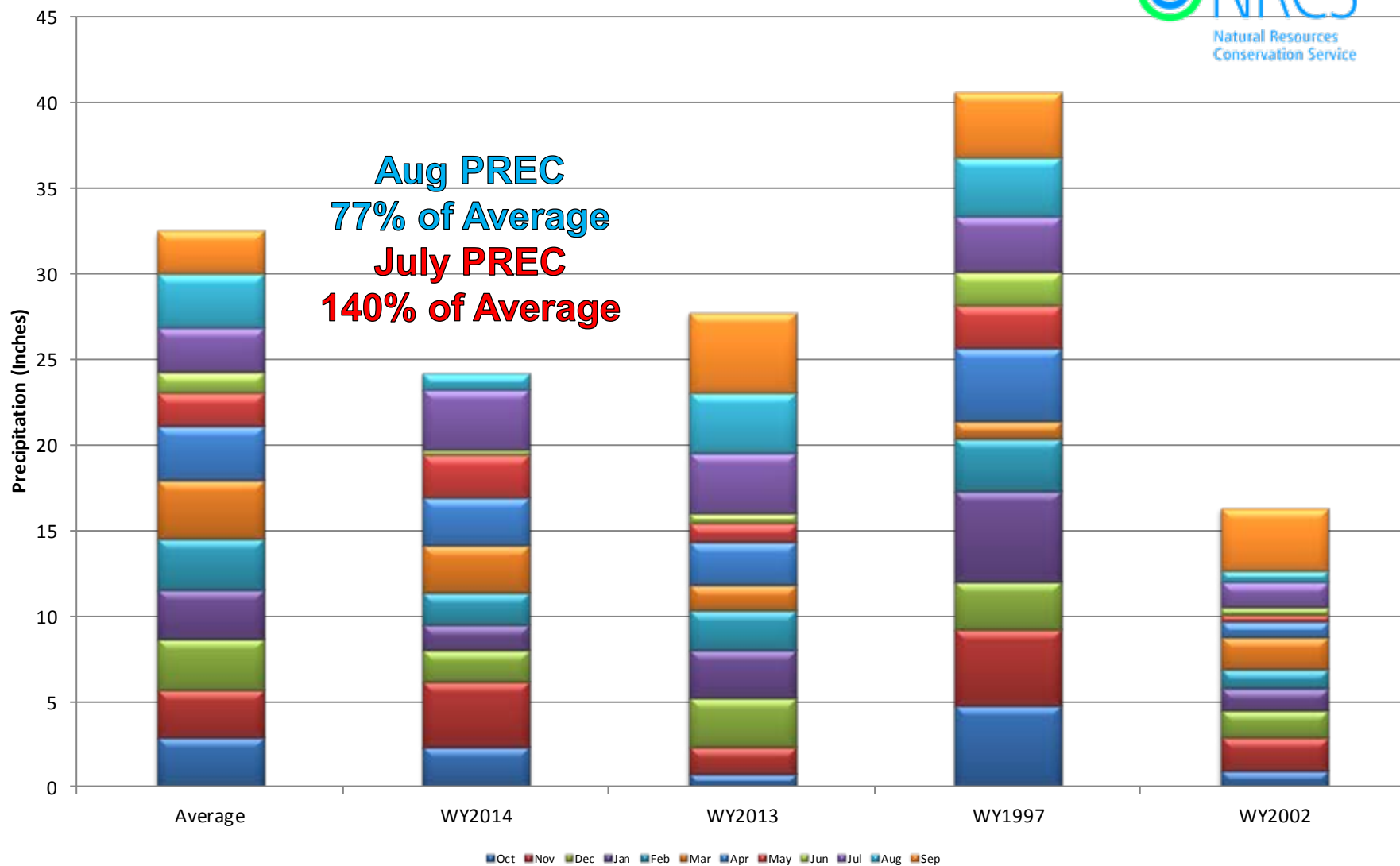
Upper Rio Grande Basin High/Low Snowpack Summary

Based on Provisional SNOTEL data as of Jul 22, 2014



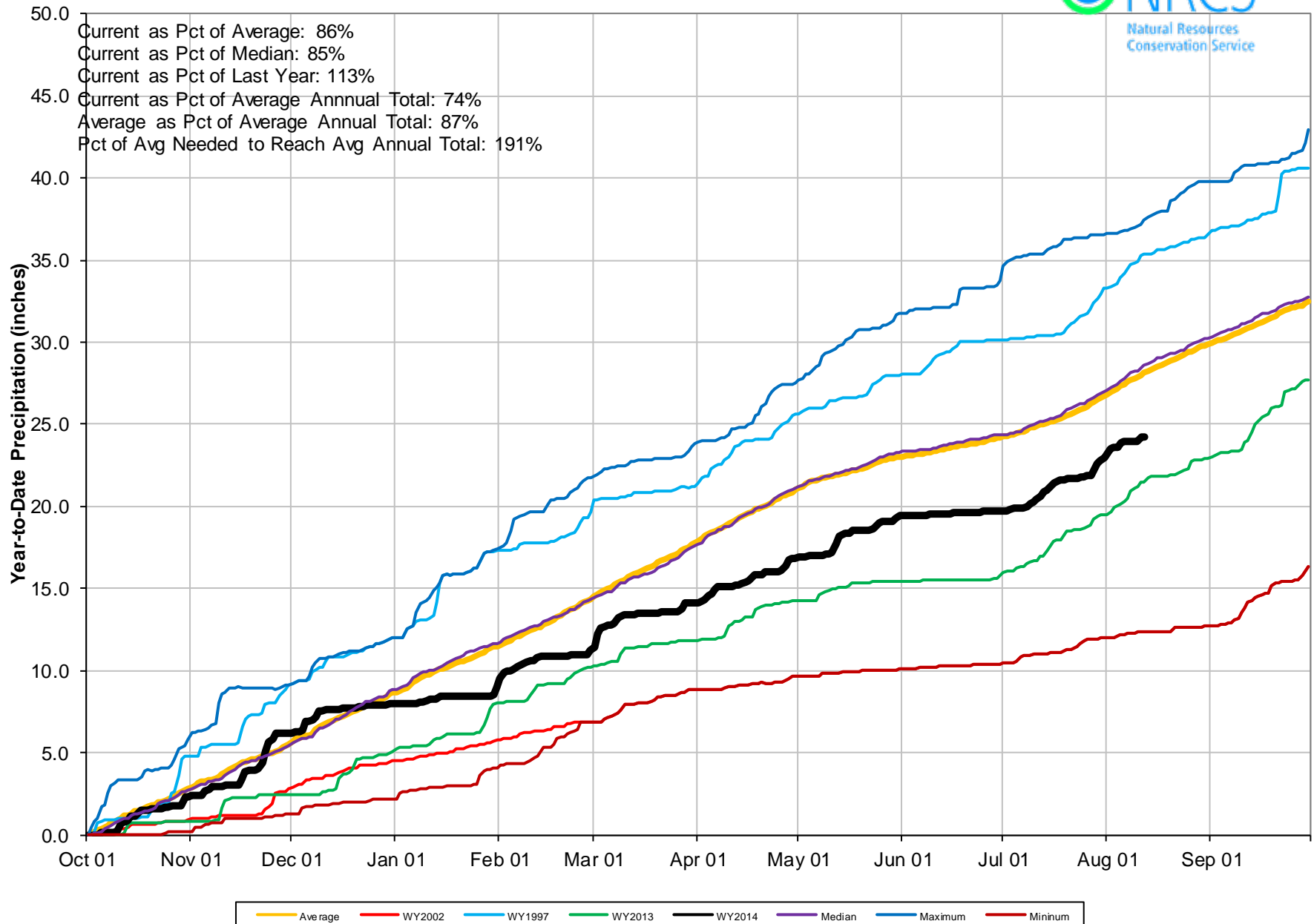
Upper Rio Grande Basin High/Low Monthly Precipitation Summary

Based on Provisional SNOTEL data as of Aug 12, 2014



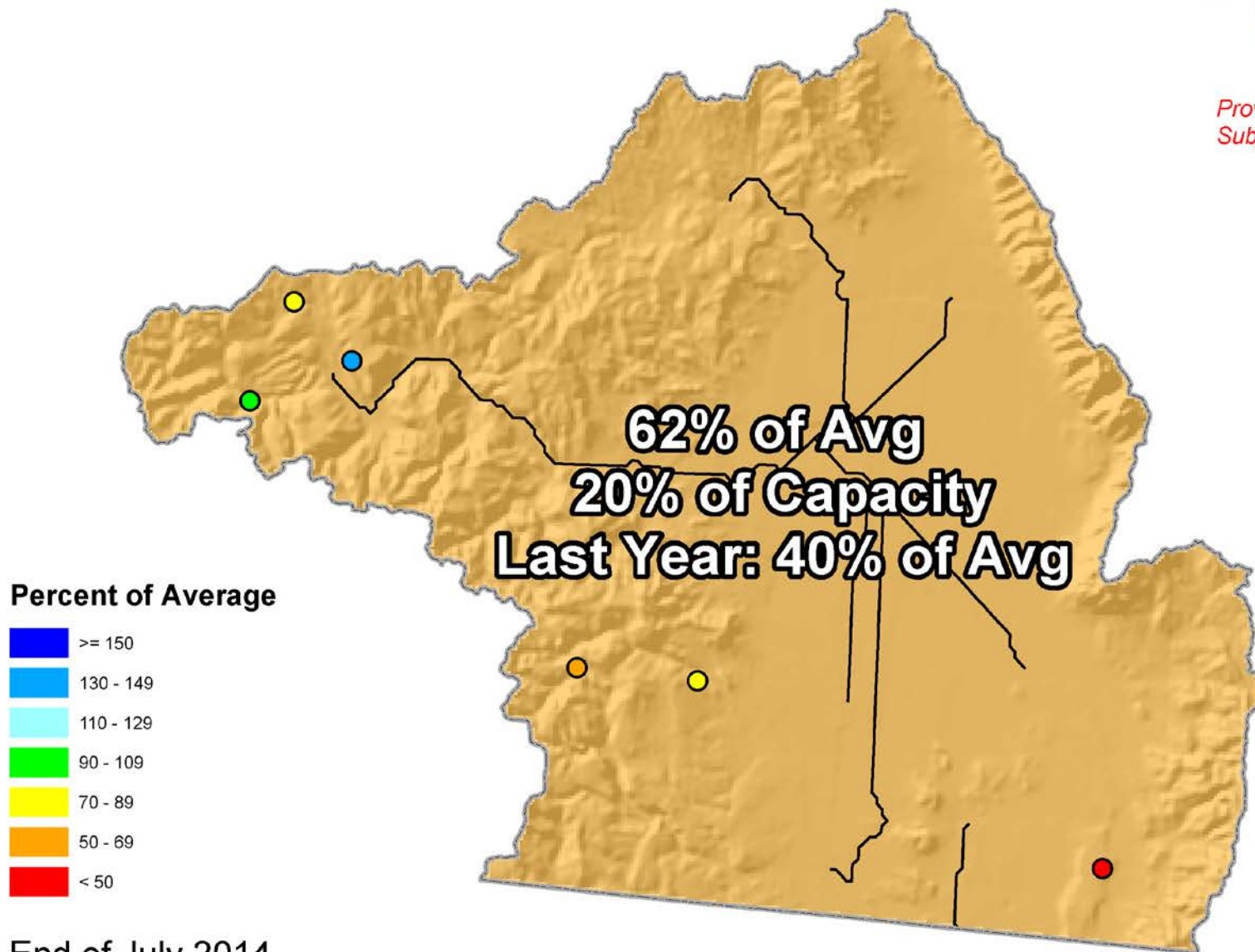
Upper Rio Grande Basin High/Low Year-to-Date Precipitation Summary

Based on Provisional SNOTEL data as of Aug 12, 2014



Upper Rio Grande Basin Reservoir Storage Map

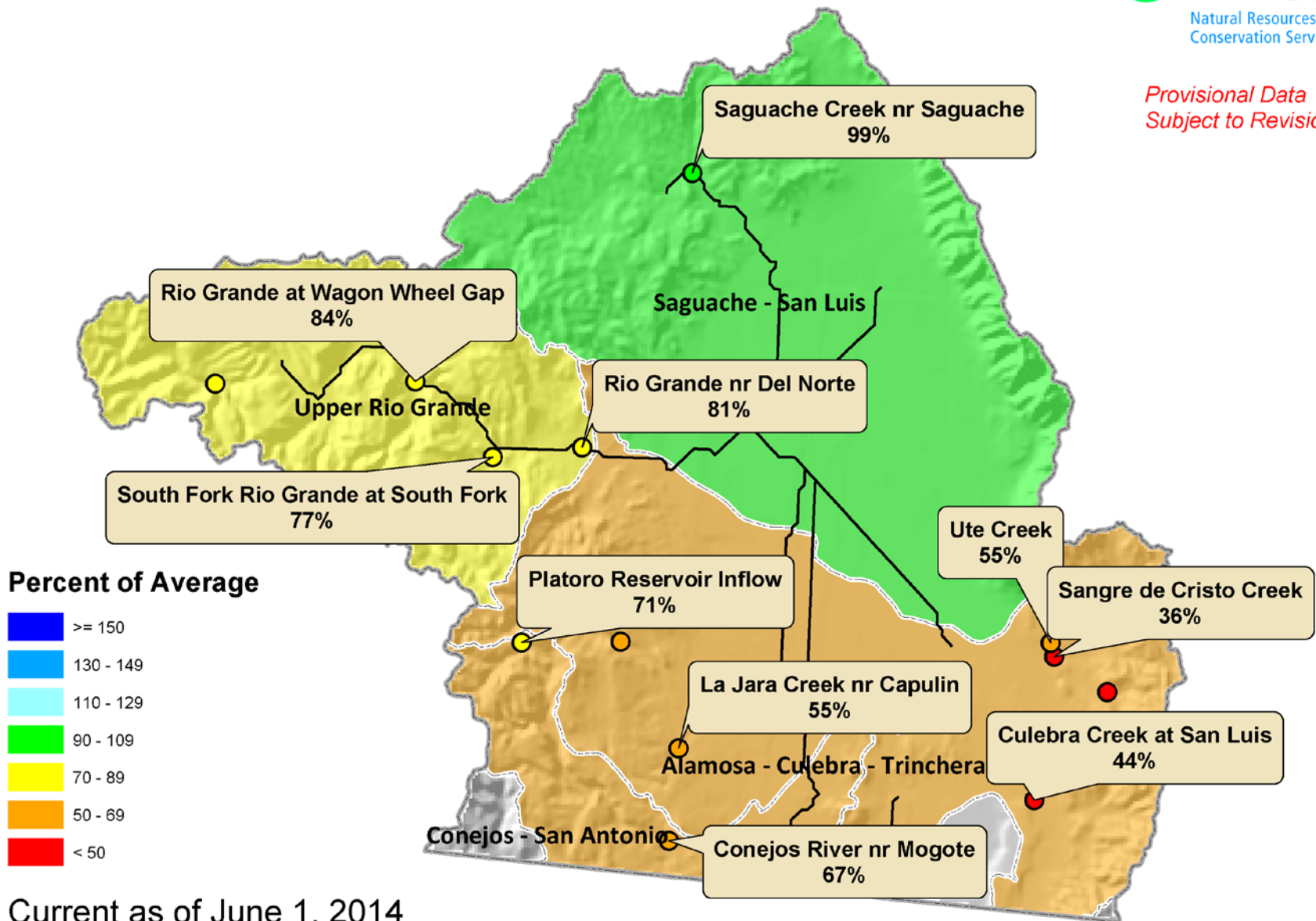
*Provisional Data
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End of July 2014

Upper Rio Grande Basin Streamflow Forecast Map

*Provisional Data
Subject to Revision*

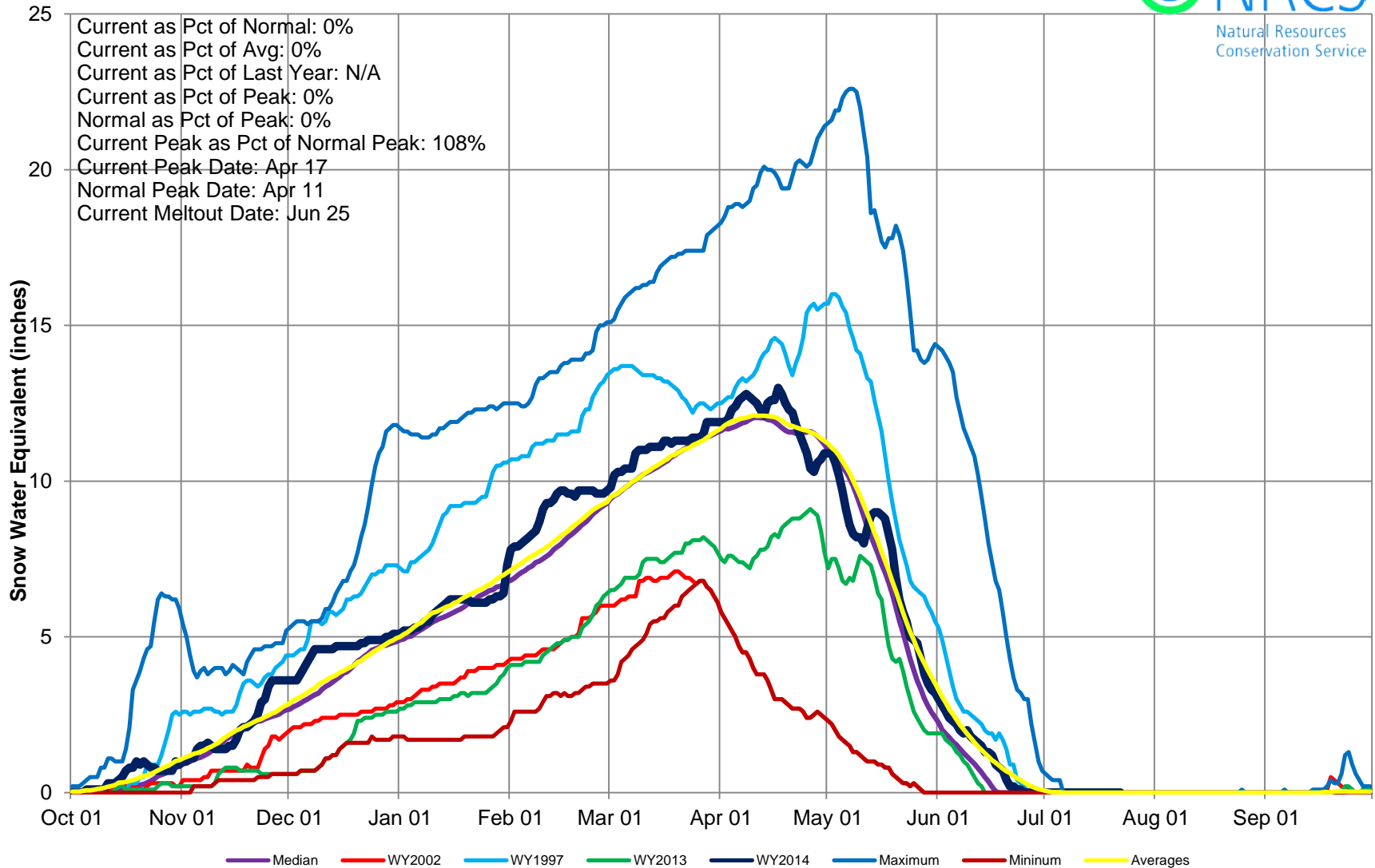


Arkansas River Basin Summary



Arkansas River Basin High/Low Snowpack Summary

Based on Provisional SNOTEL data as of Jul 22, 2014



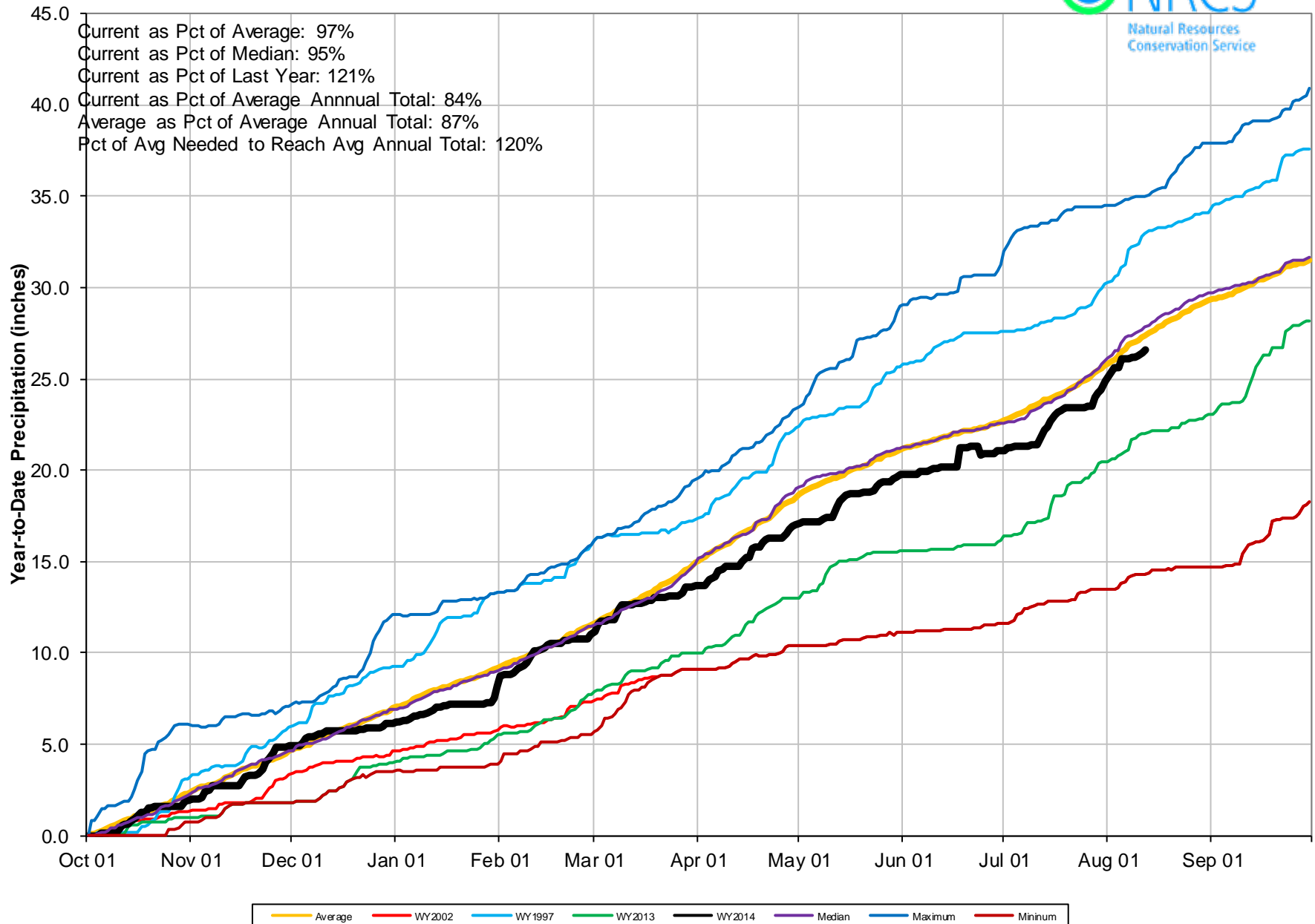
Based on Provisional SNOTEL data as of Aug 12, 2014

Aug PREC
94% of Average
July PREC
133% of Average

Month	Average	WY2014	WY2013	WY1997	WY2002
Oct	2.5	2.0	1.0	3.5	2.0
Nov	1.5	1.5	0.5	1.5	1.5
Dec	2.5	1.5	2.5	3.5	1.5
Jan	2.0	2.0	1.0	2.5	1.0
Feb	2.5	2.0	2.0	2.5	1.5
Mar	3.5	2.5	2.0	1.0	2.0
Apr	3.5	3.0	3.0	4.0	2.0
May	2.0	2.5	2.0	2.0	1.0
Jun	2.5	1.5	1.0	3.5	1.5
Jul	3.0	3.0	2.0	3.0	1.5
Aug	3.5	2.0	2.5	4.0	1.5
Sep	2.0	2.0	3.0	3.0	2.0
Total	31.5	26.5	28.0	37.5	18.5

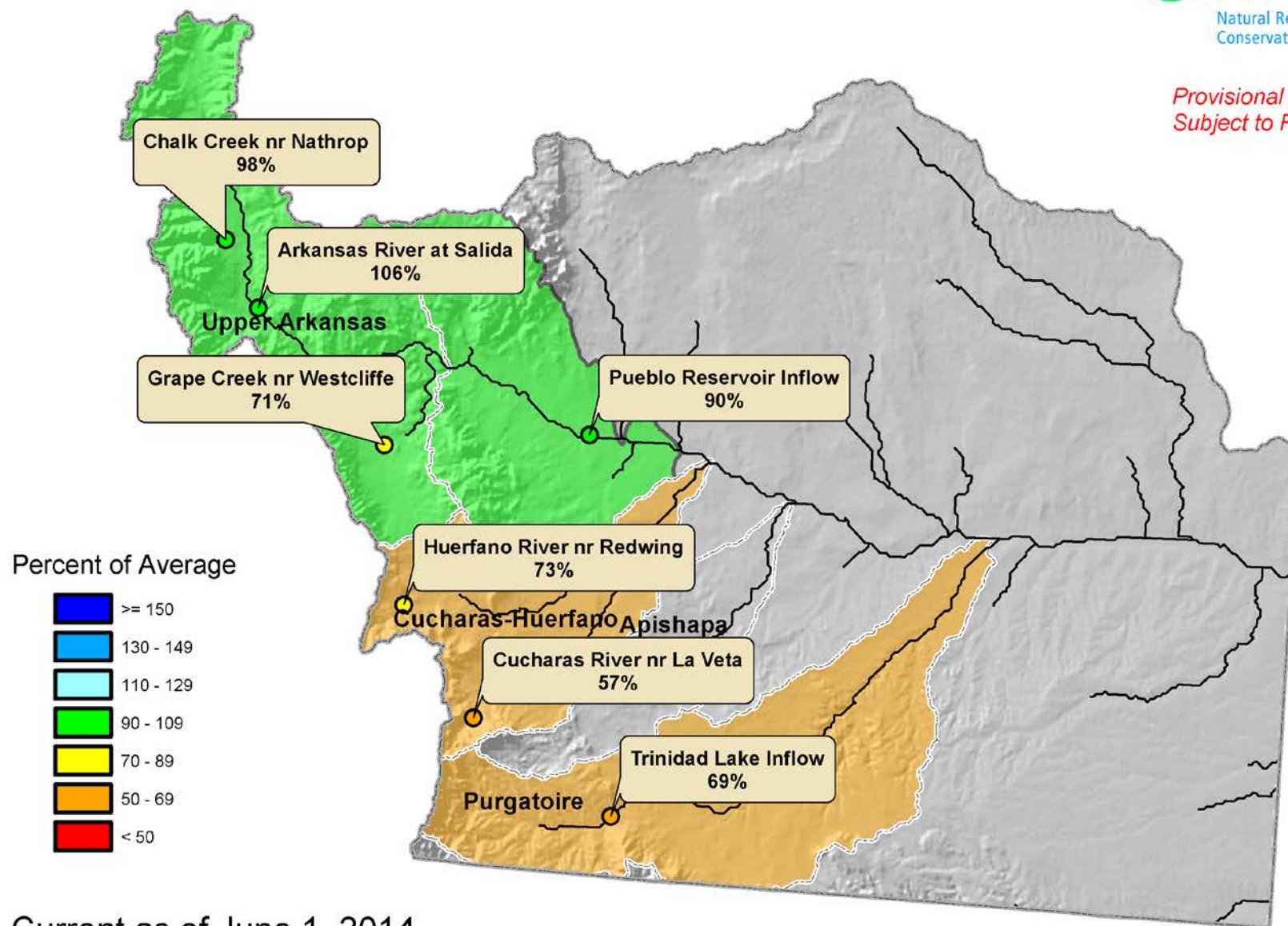
Arkansas River Basin High/Low Year-to-Date Precipitation Summary

Based on Provisional SNOTEL data as of Aug 12, 2014



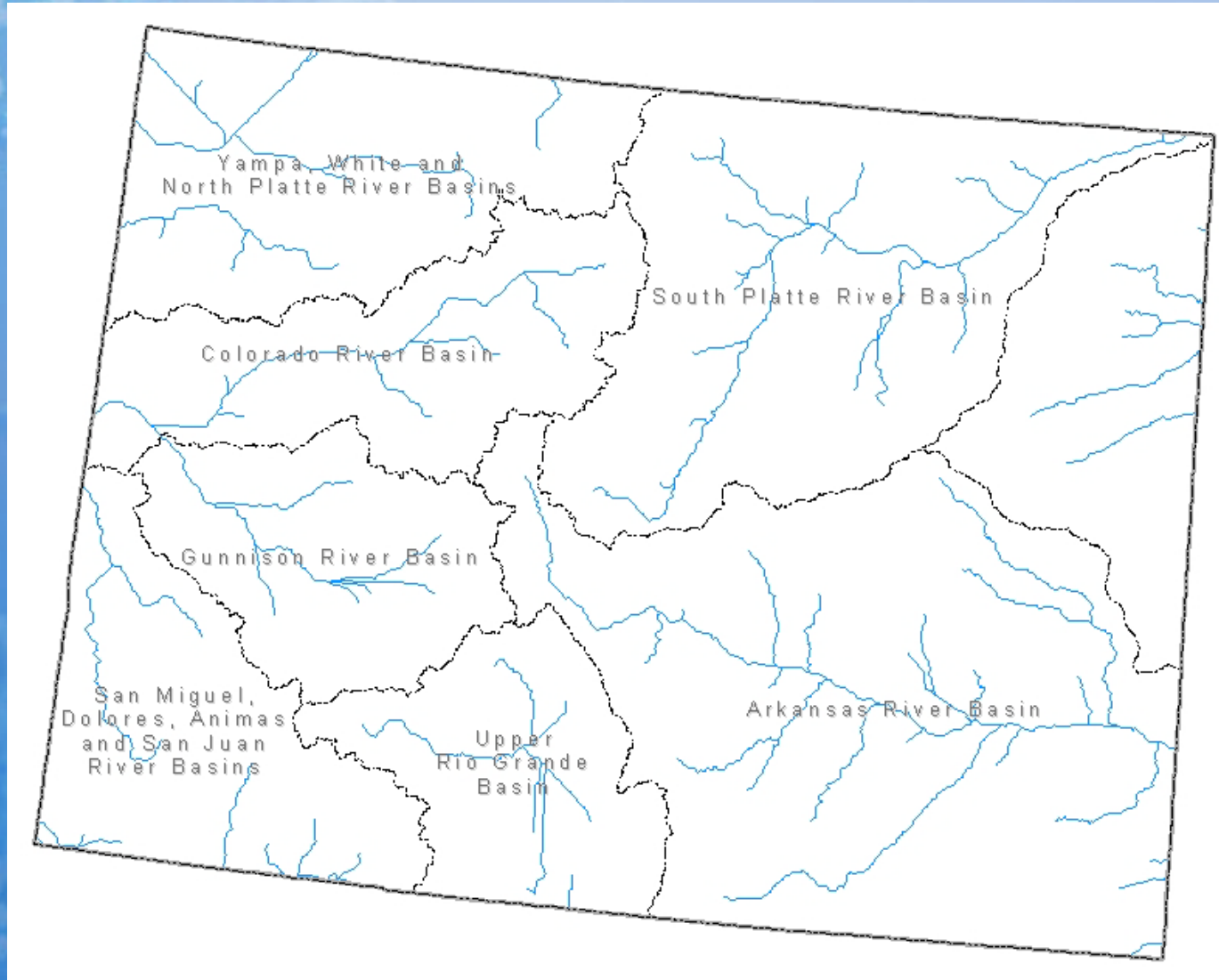
Arkansas River Basin Streamflow Forecast Map

*Provisional Data
Subject to Revision*



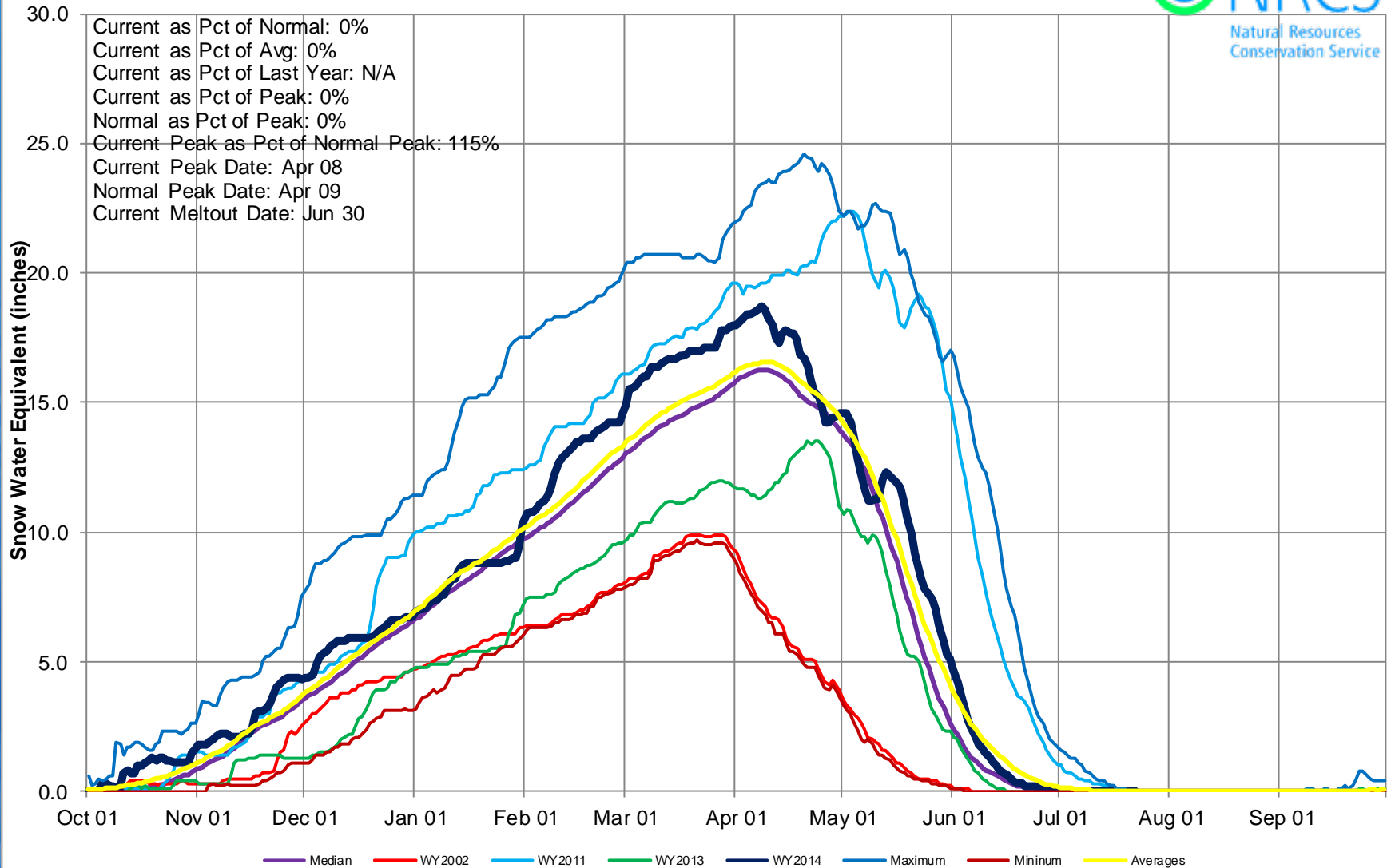
Current as of June 1, 2014

Colorado Statewide Summary



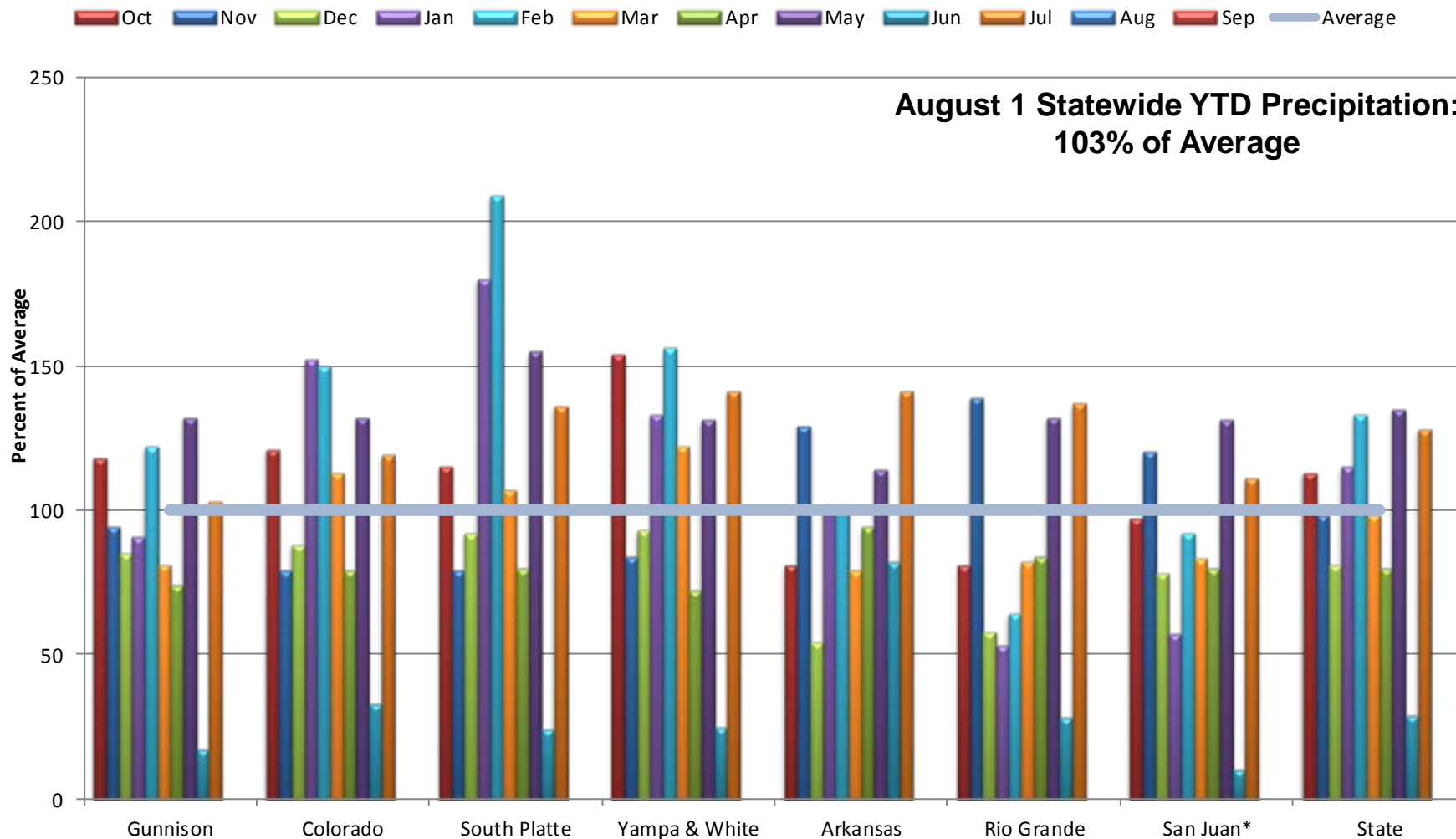
Colorado Statewide High/Low Snowpack Summary

Based on Provisional SNOTEL data as of Jul 22, 2014



Colorado Monthly Precipitation Summary for WY2014

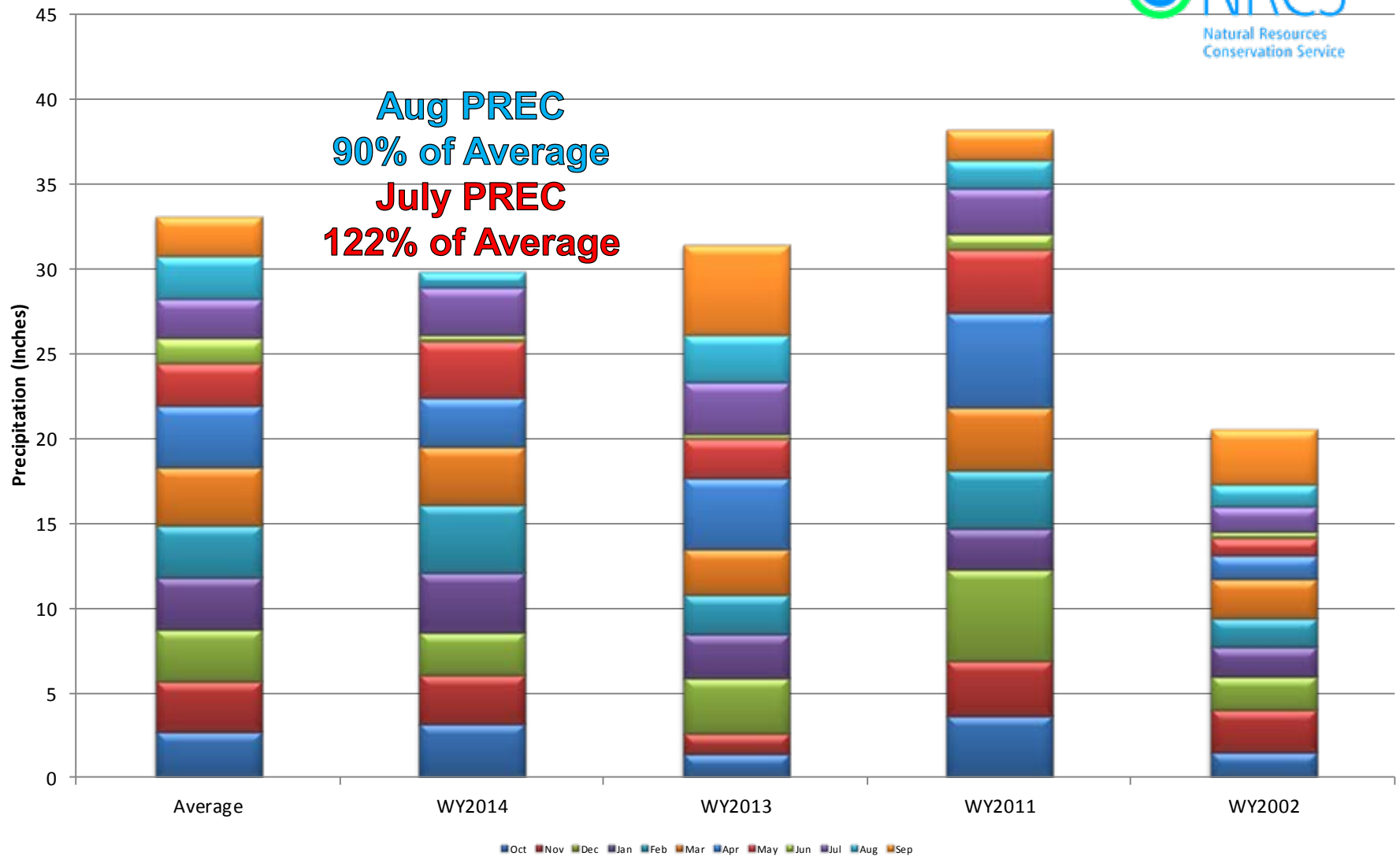
USDA Natural Resources Conservation Service



*Includes Animas, Dolores, San Miguel Basins

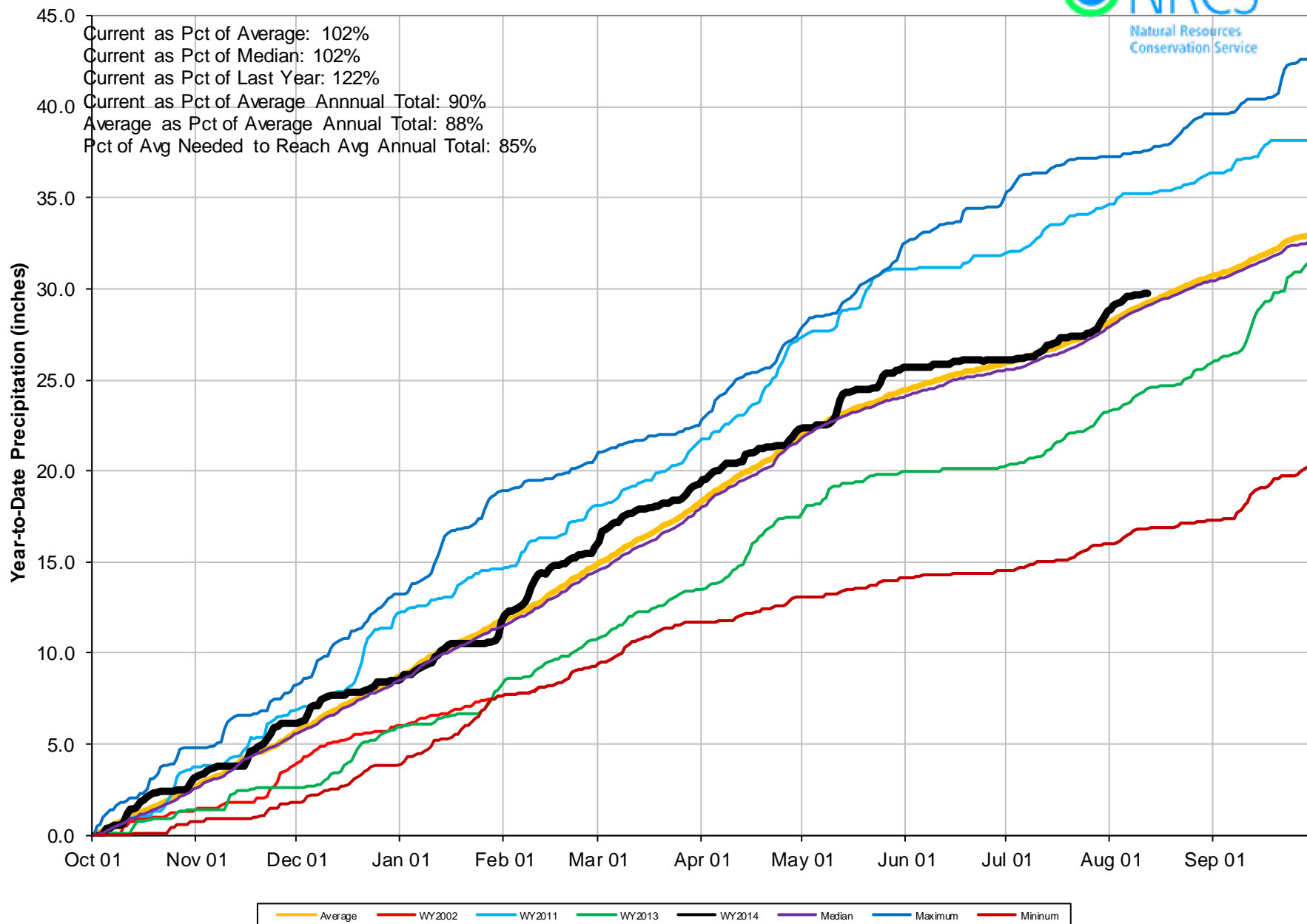
Colorado Statewide High/Low Monthly Precipitation Summary

Based on Provisional SNOTEL data as of Aug 12, 2014



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

Based on Provisional SNOTEL data as of Aug 12, 2014

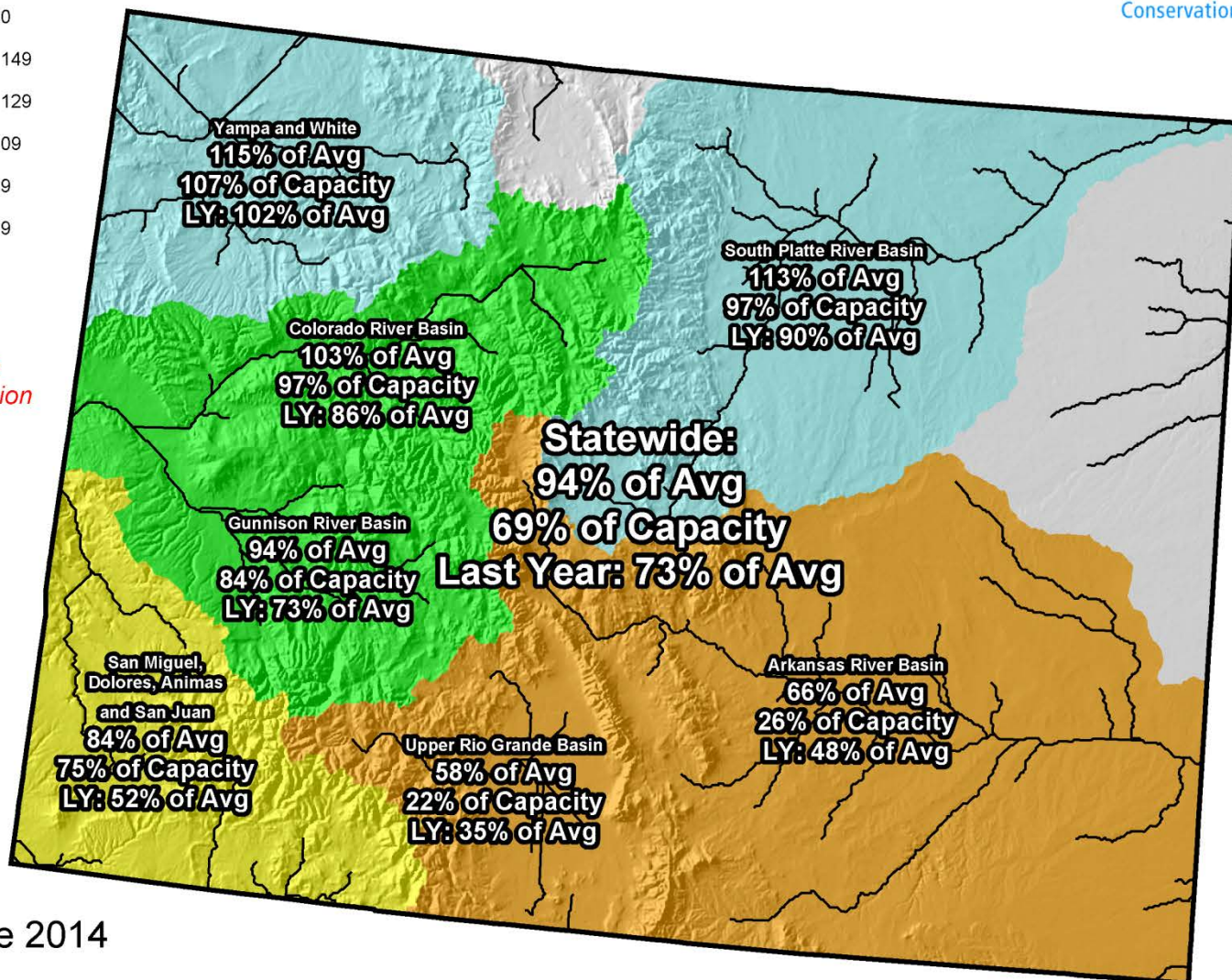


Colorado Reservoir Storage Map

Percent of Average



*Provisional Data
Subject to Revision*



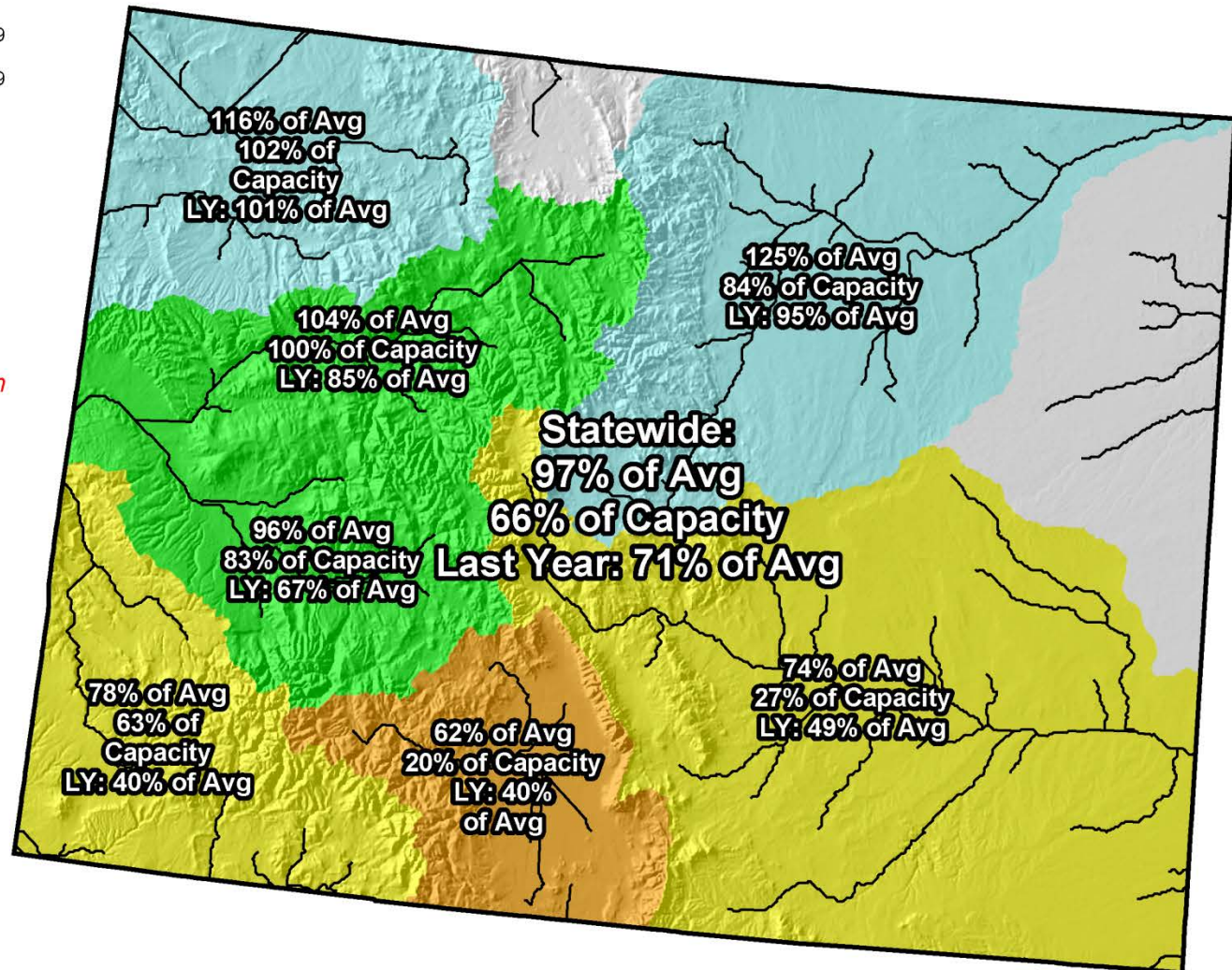
End of June 2014

Colorado Reservoir Storage Map

Percent of Average



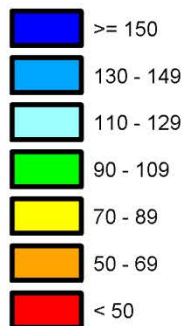
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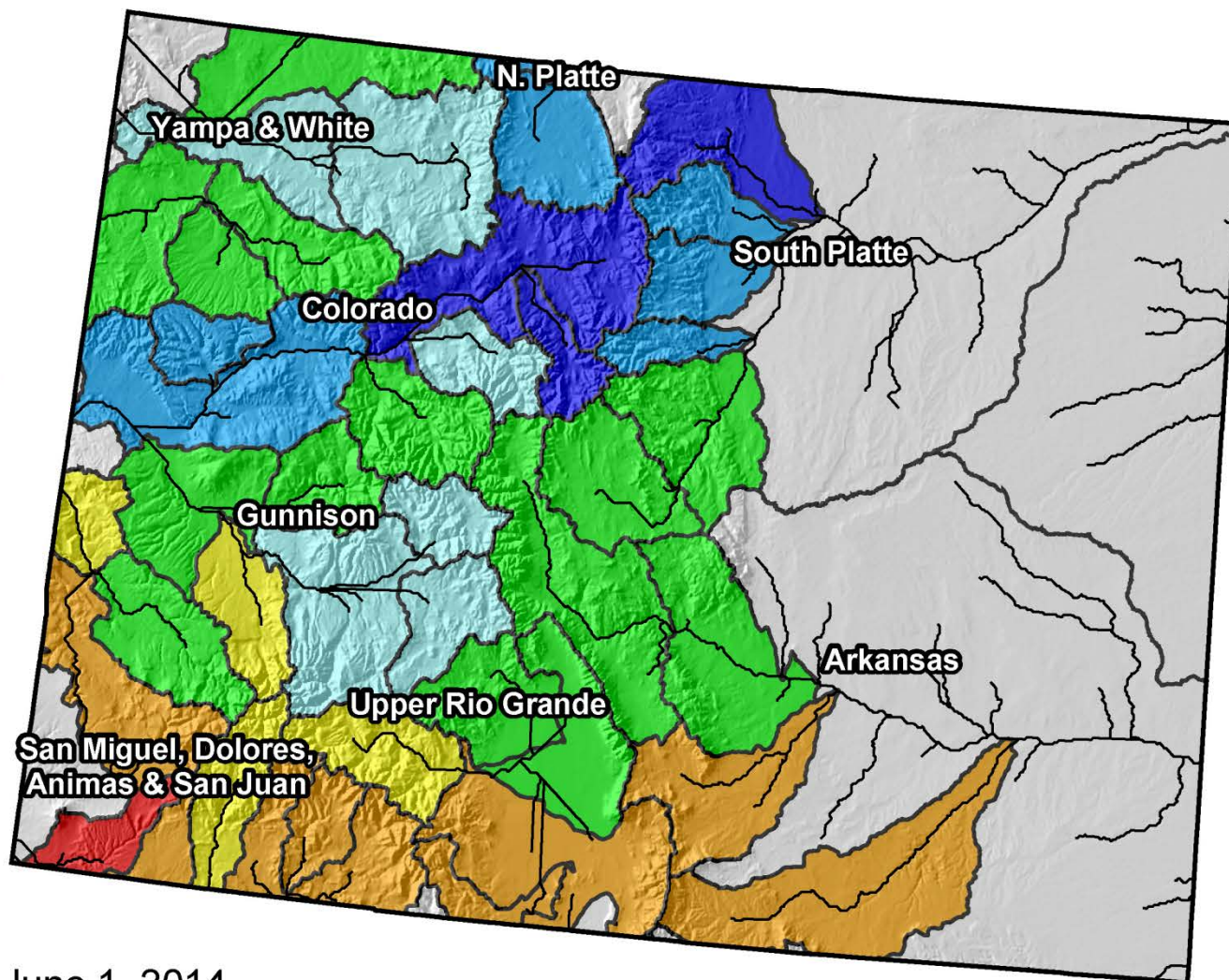
End of July 2014

Colorado Streamflow Forecast Map

Percent of Average

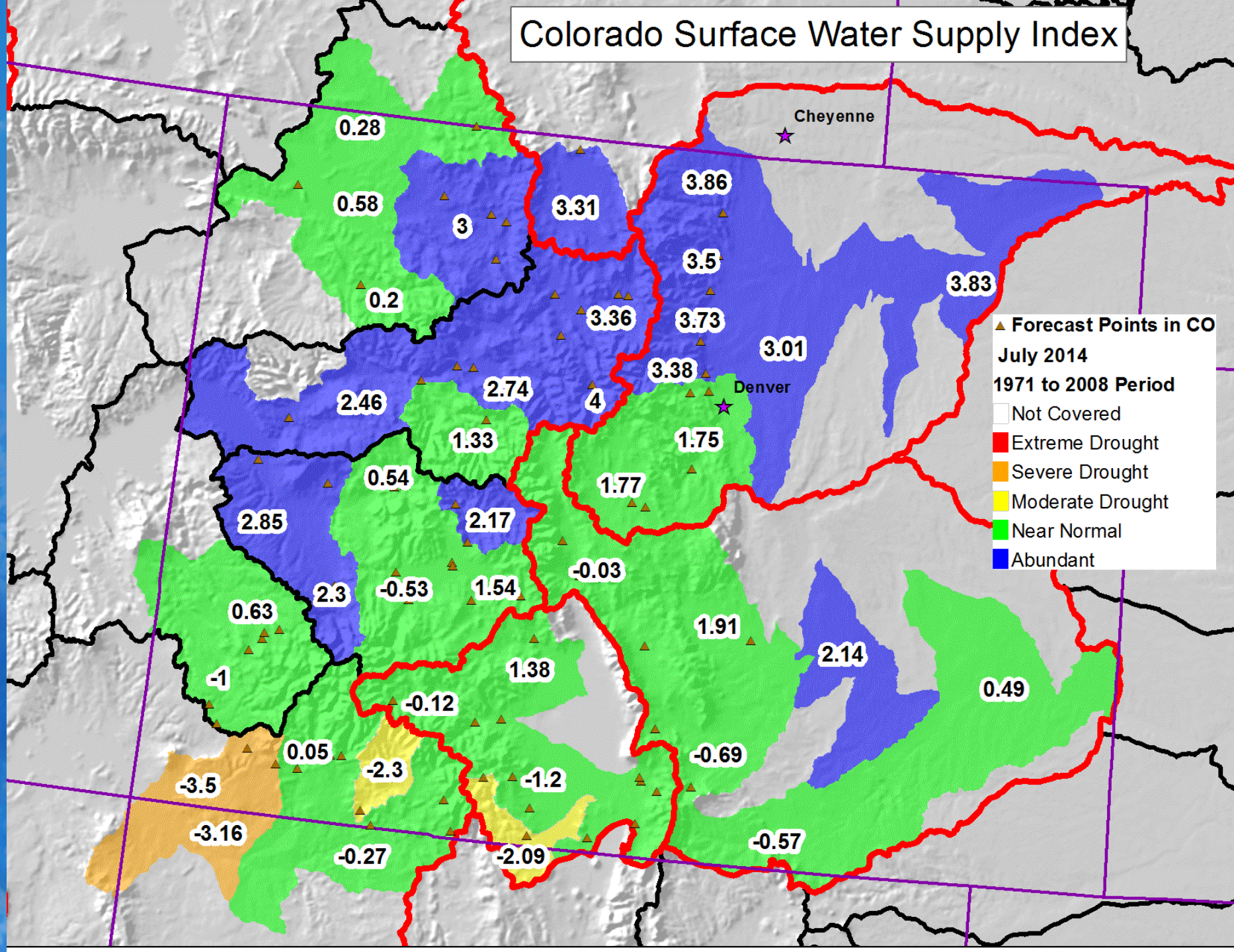


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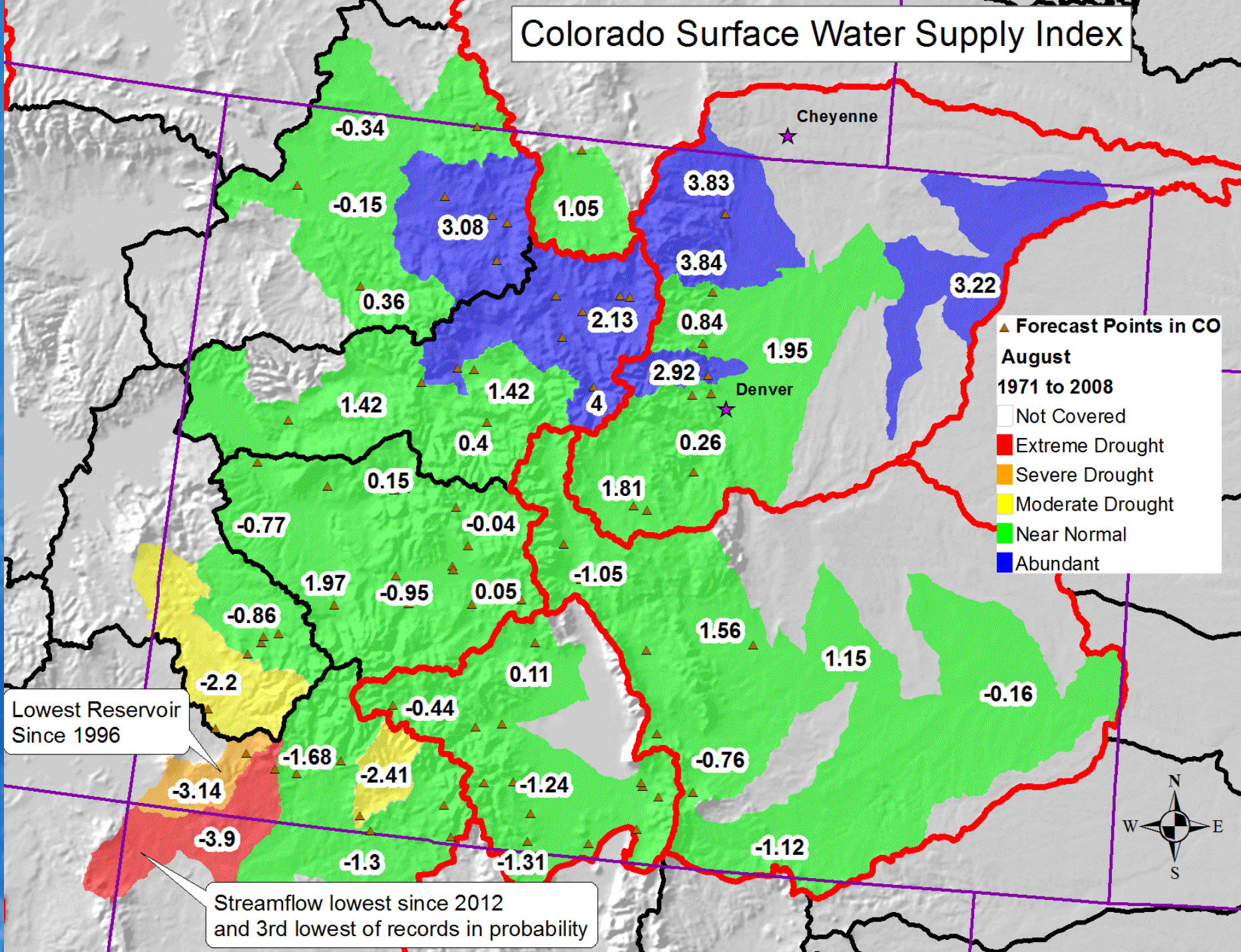


Current as of June 1, 2014

Colorado Surface Water Supply Index



Colorado Surface Water Supply Index



Summary

- Statewide July precipitation in the mountains of Colorado was 122% of average. But currently August is only 90%.
- Reservoir storage increased 2 percentage points from July 1 to August 1.
- Of the 79 monthly streamflow volume observation sites used in SWSIs, all but three saw a decrease in July.
- Without looking at the SWSI files themselves I would highly suspect that the receding streamflows are to blame for the dip in SWSIs.
- We just hired our first of two “summer hires” for summer maintenance. We are nearly half way through our summer maintenance season.

Water Availability Task Force Meeting

August 13th, 2014

NRCS Snow Survey and Water Supply Forecasting Program

Brian Domonkos

Colorado Snow Survey Supervisor

303-524-2521

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