

# Water Availability Task Force Meeting

## July 23<sup>rd</sup>, 2014

### NRCS Snow Survey and Water Supply Forecasting Program

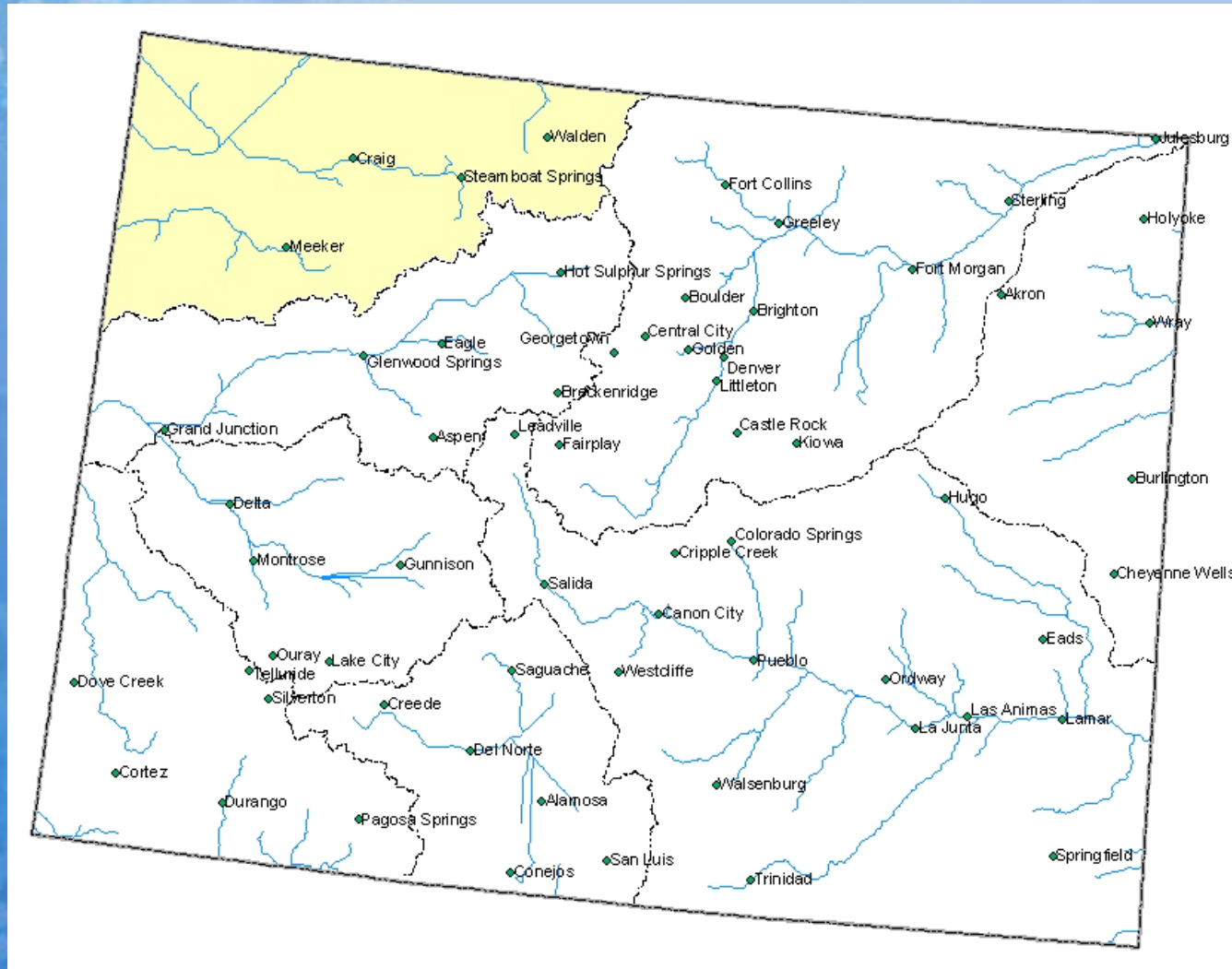
Brian Domonkos

Colorado Snow Survey Supervisor

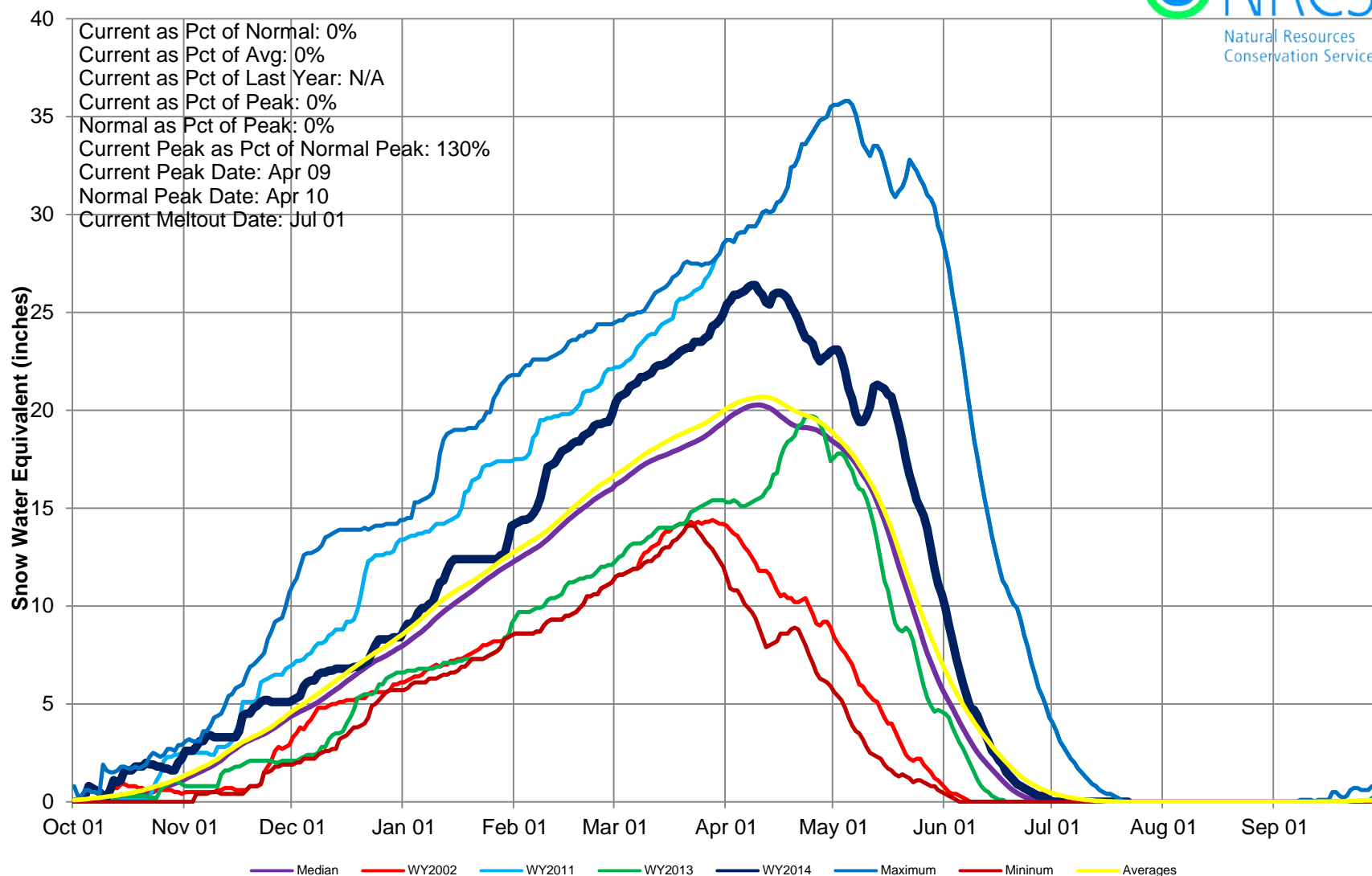
303-524-2521

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

# Yampa, White & North Platte River Basins Summary

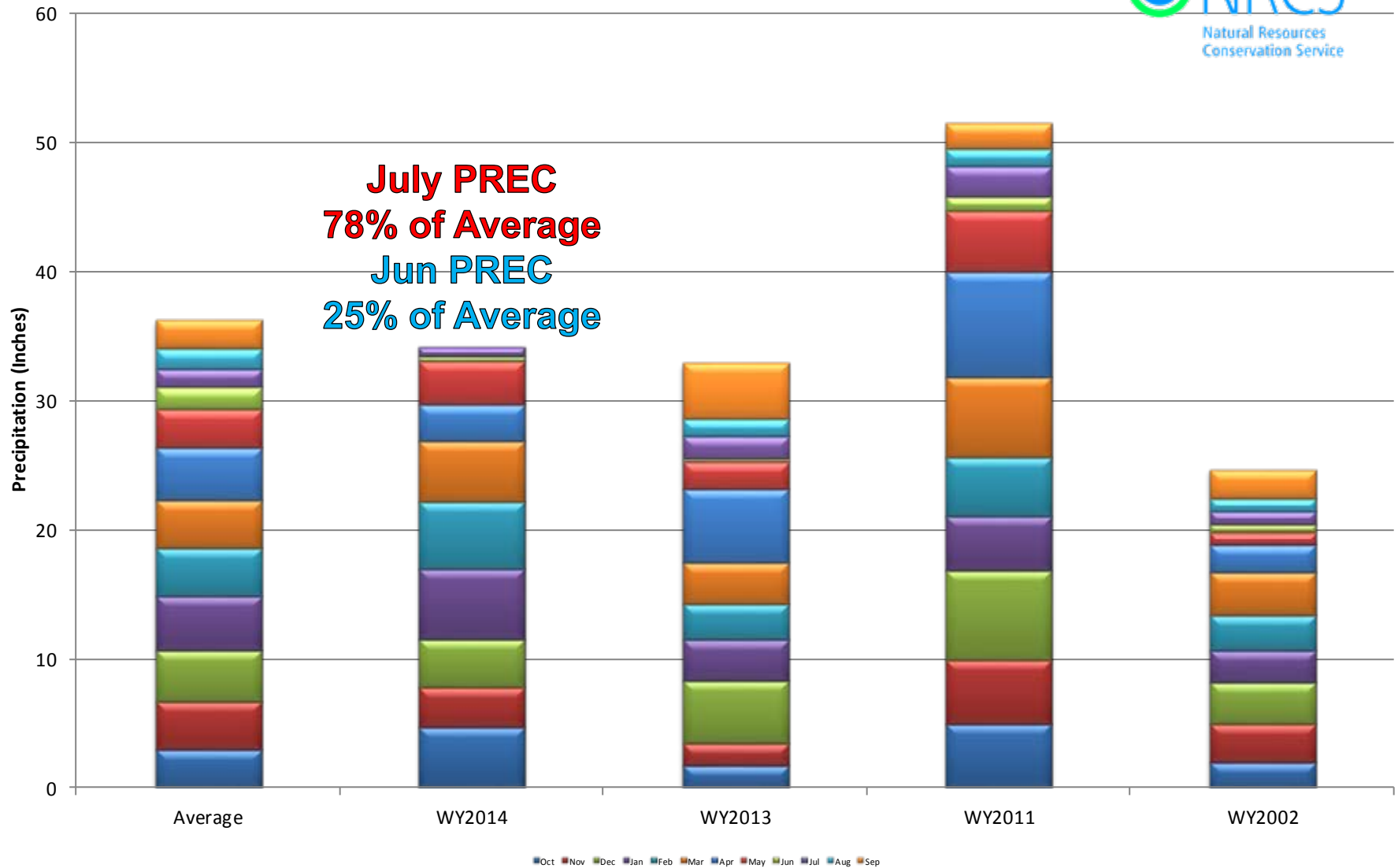


**Based on Provisional SNOTEL data as of Jul 22, 2014**



## Yampa & White River Basins High/Low Monthly Precipitation Summary

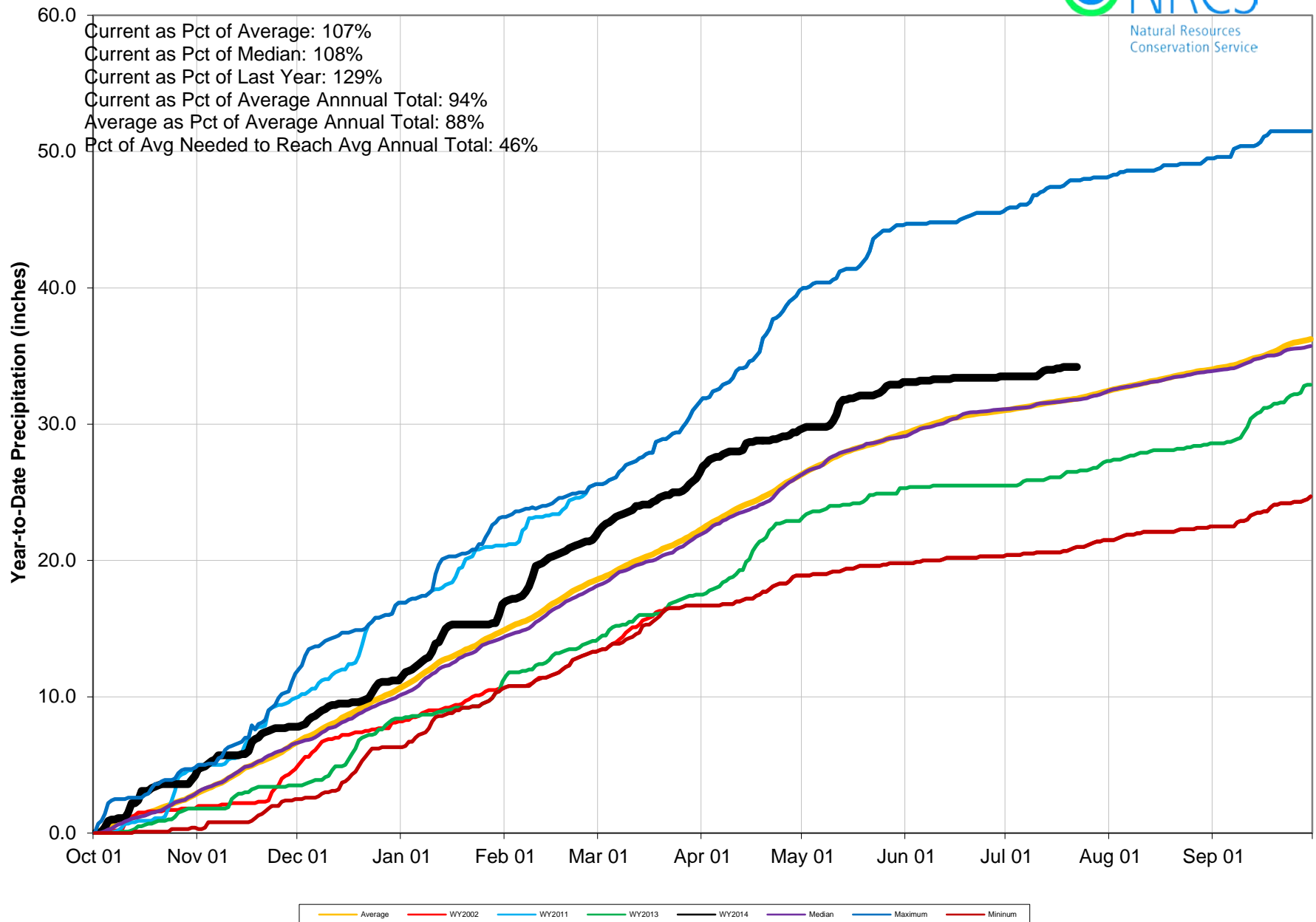
*Based on Provisional SNOTEL data as of Jul 22, 2014*





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

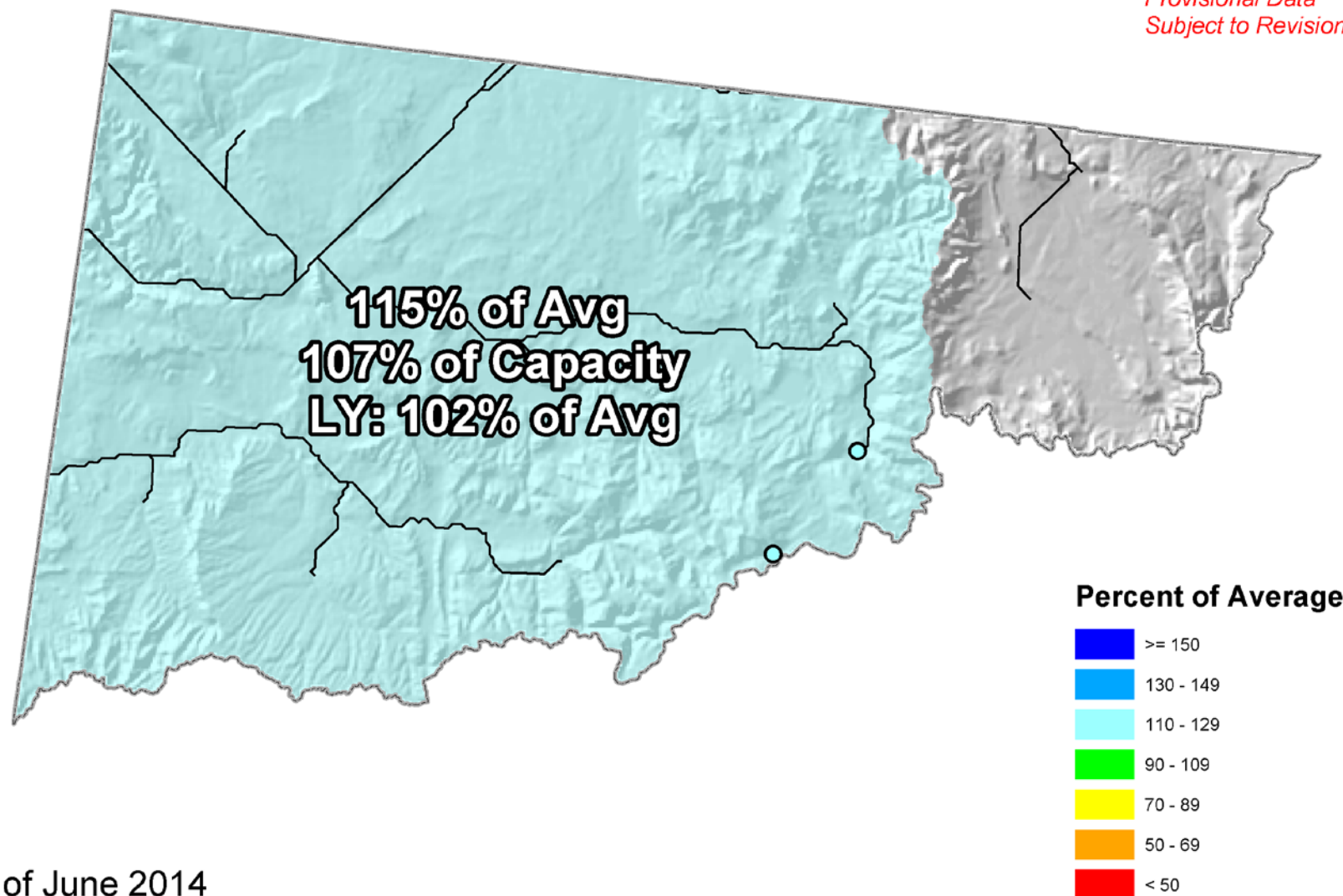
Based on Provisional SNOTEL data as of Jul 22, 2014



# Yampa & White River Basins Reservoir Storage Map



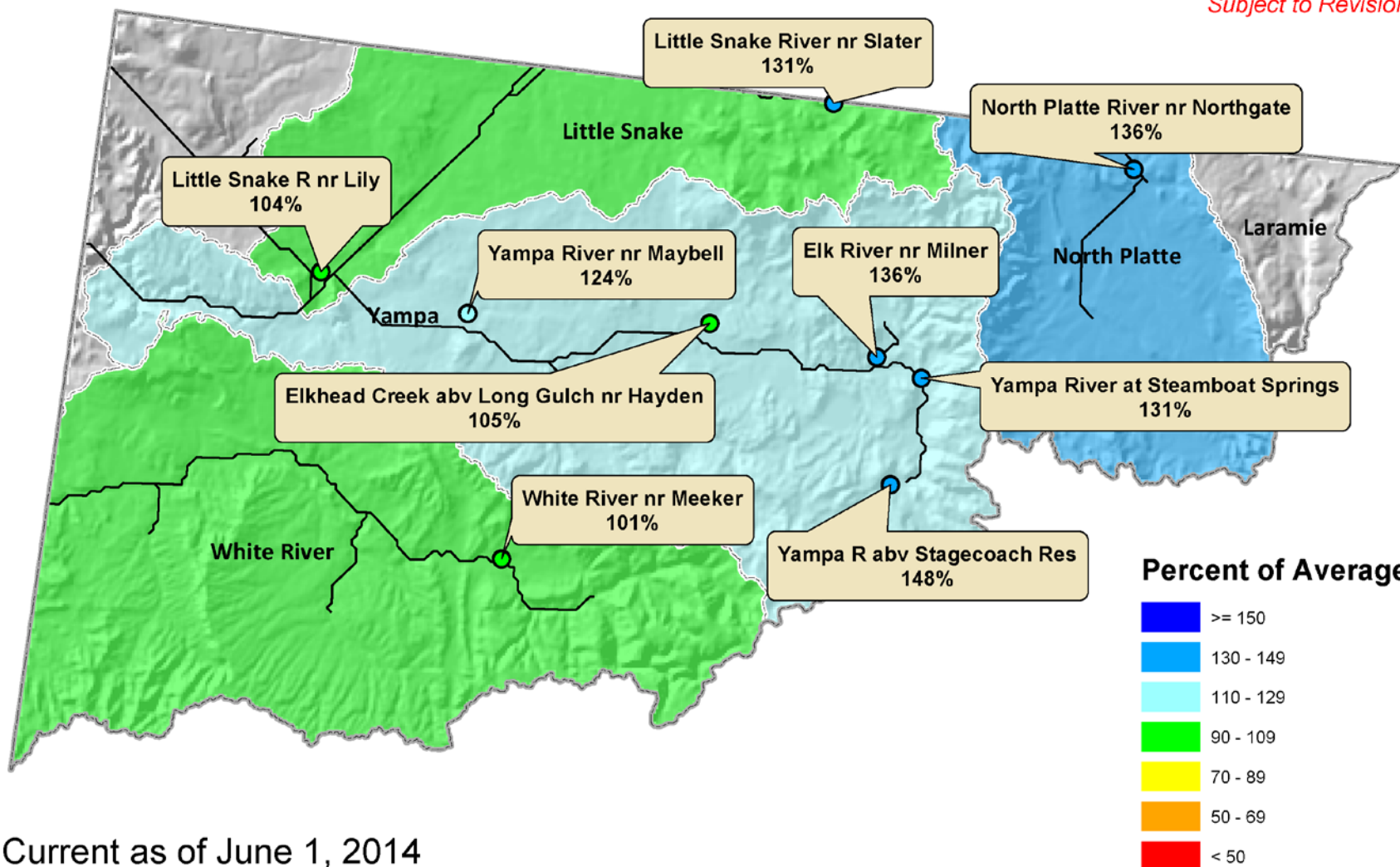
*Provisional Data  
Subject to Revision*



End of June 2014

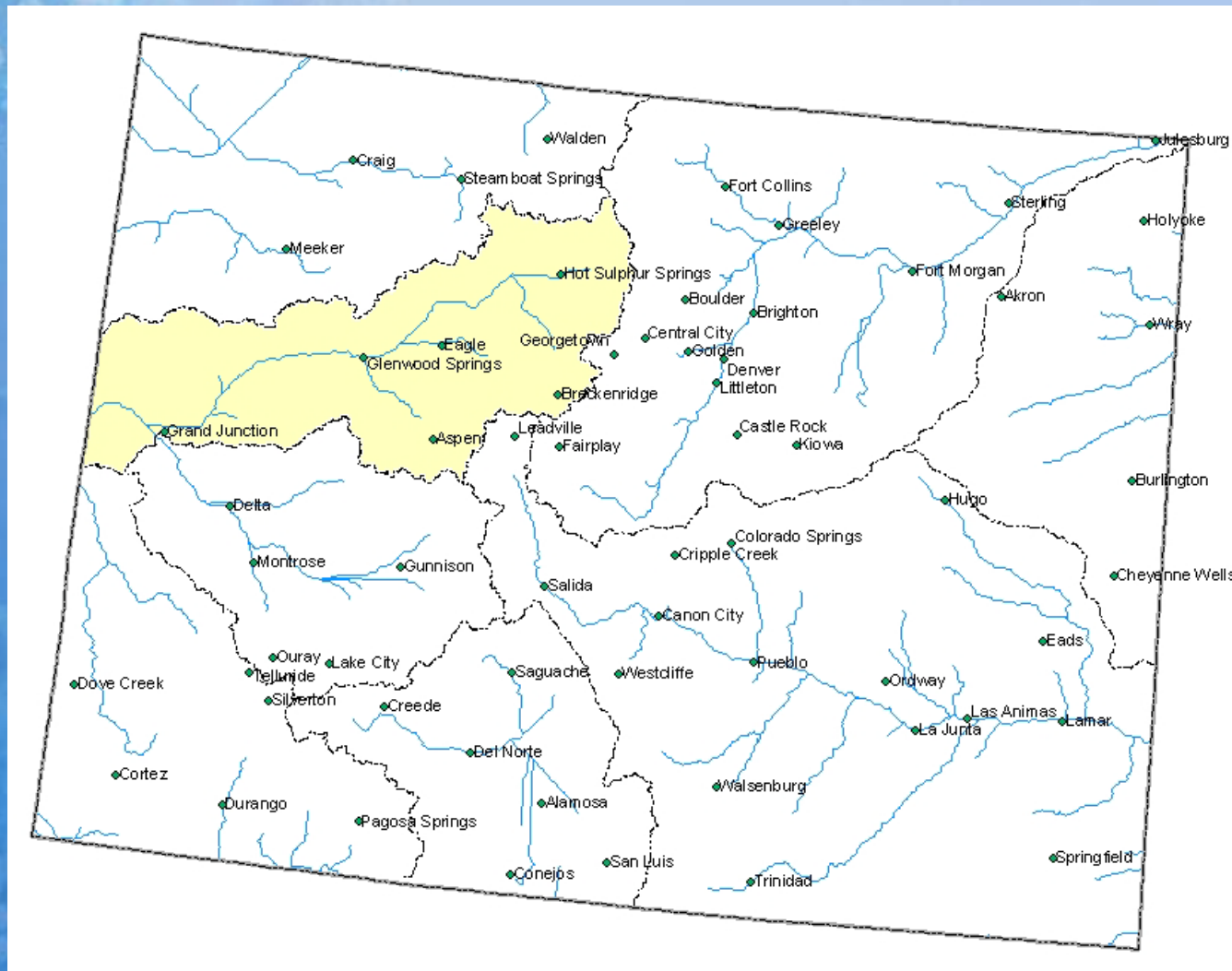
# Yampa, White and North Platte River Basins Streamflow Map

*Provisional Data  
Subject to Revision*



Current as of June 1, 2014

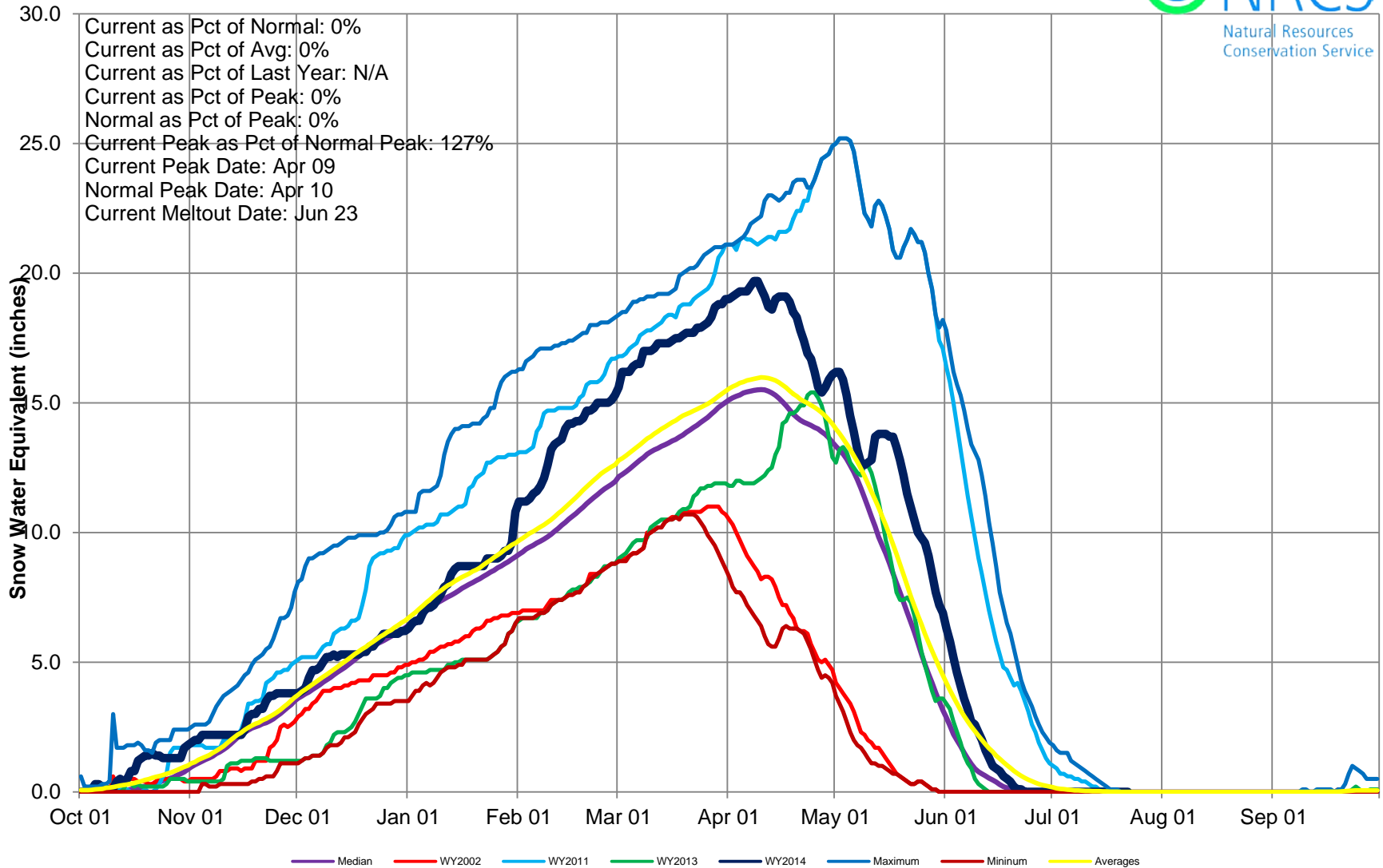
# Colorado River Basin Summary





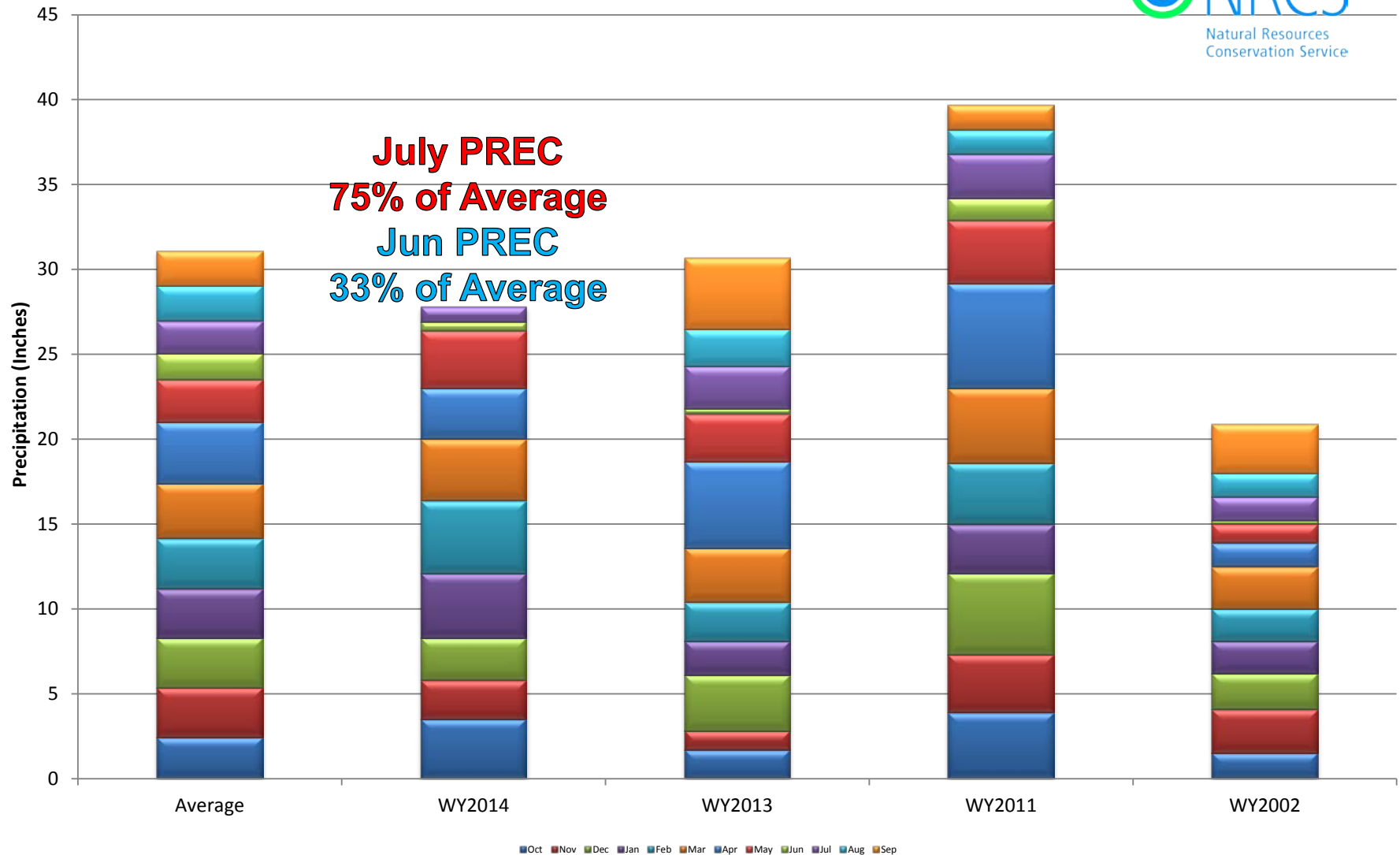
## Upper Colorado River Basin High/Low Snowpack Summary

Based on Provisional SNOTEL data as of Jul 22, 2014



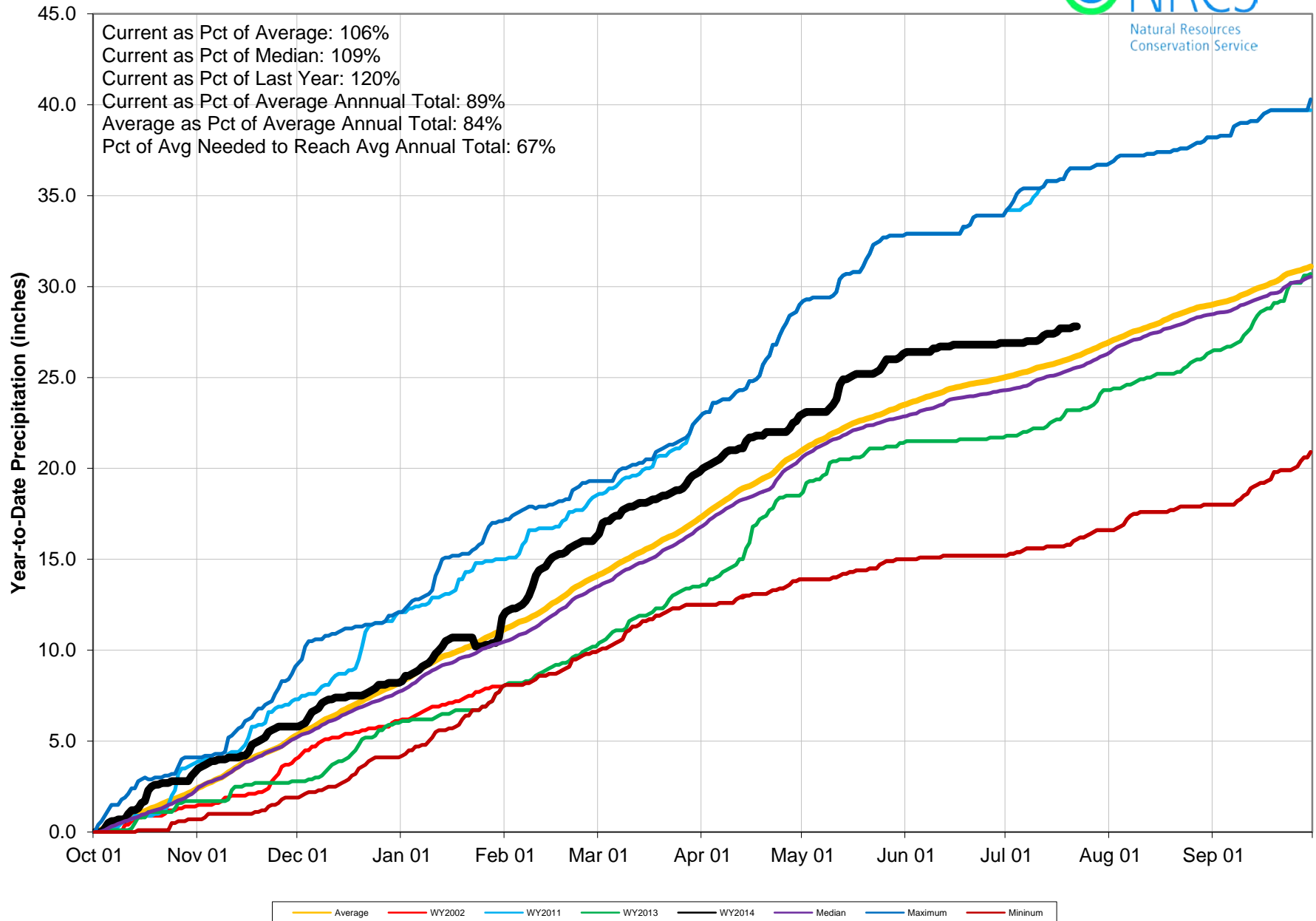
## Upper Colorado River Basin High/Low Monthly Precipitation Summary

*Based on Provisional SNOTEL data as of Jul 22, 2014*



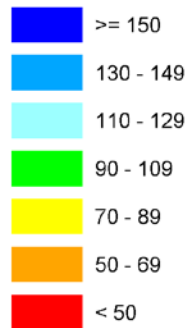
# Upper Colorado River Basin High/Low Year-to-Date Precipitation Summary

*Based on Provisional SNOTEL data as of Jul 22, 2014*

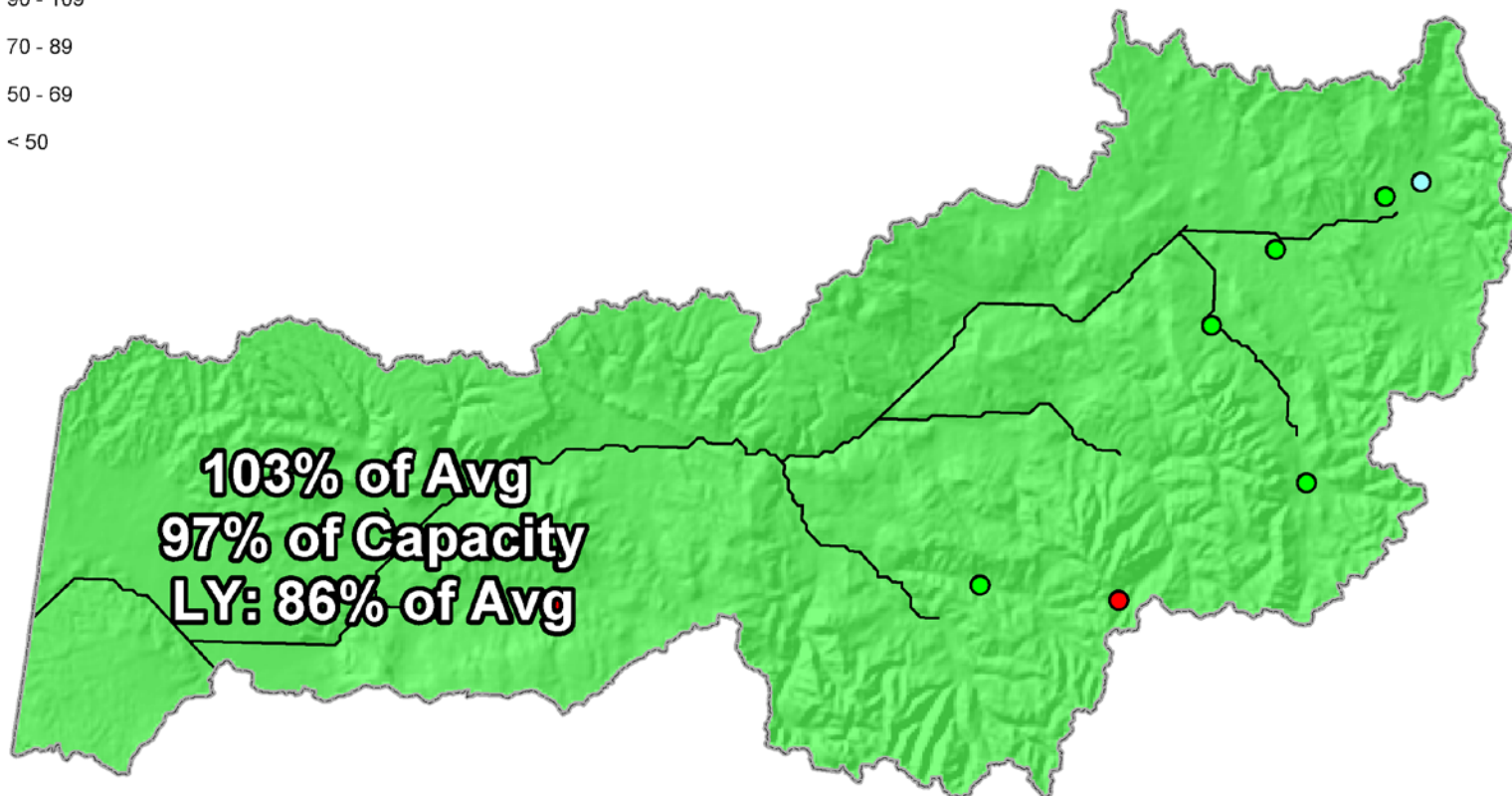


# Colorado River Basin Reservoir Storage Map

## Percent of Average



*Provisional Data  
Subject to Revision*

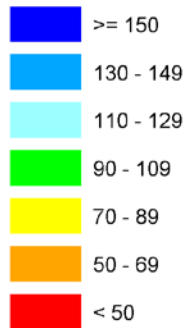


End of June 2014

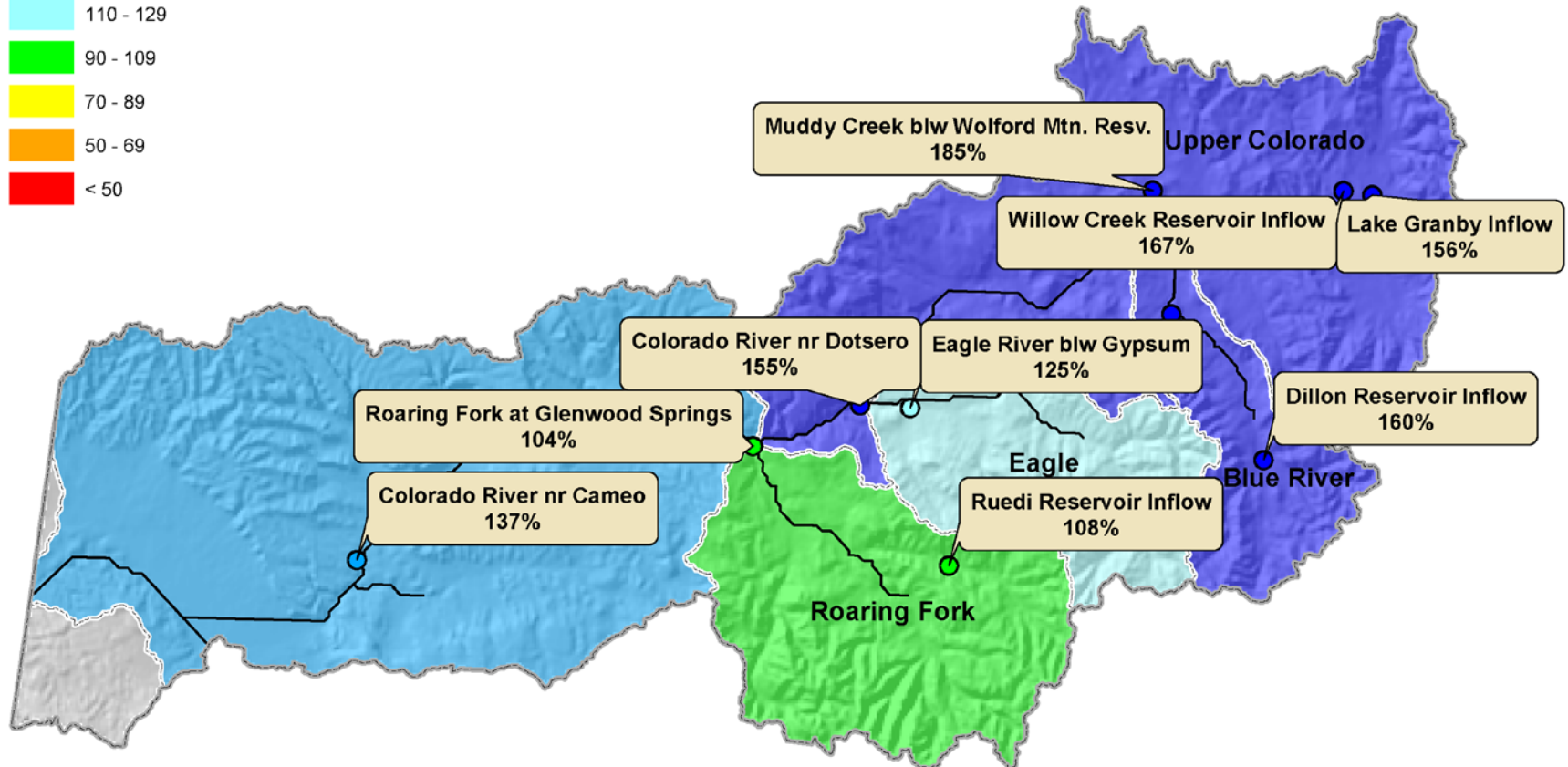


# Colorado River Basin Streamflow Forecast Map

## Percent of Average

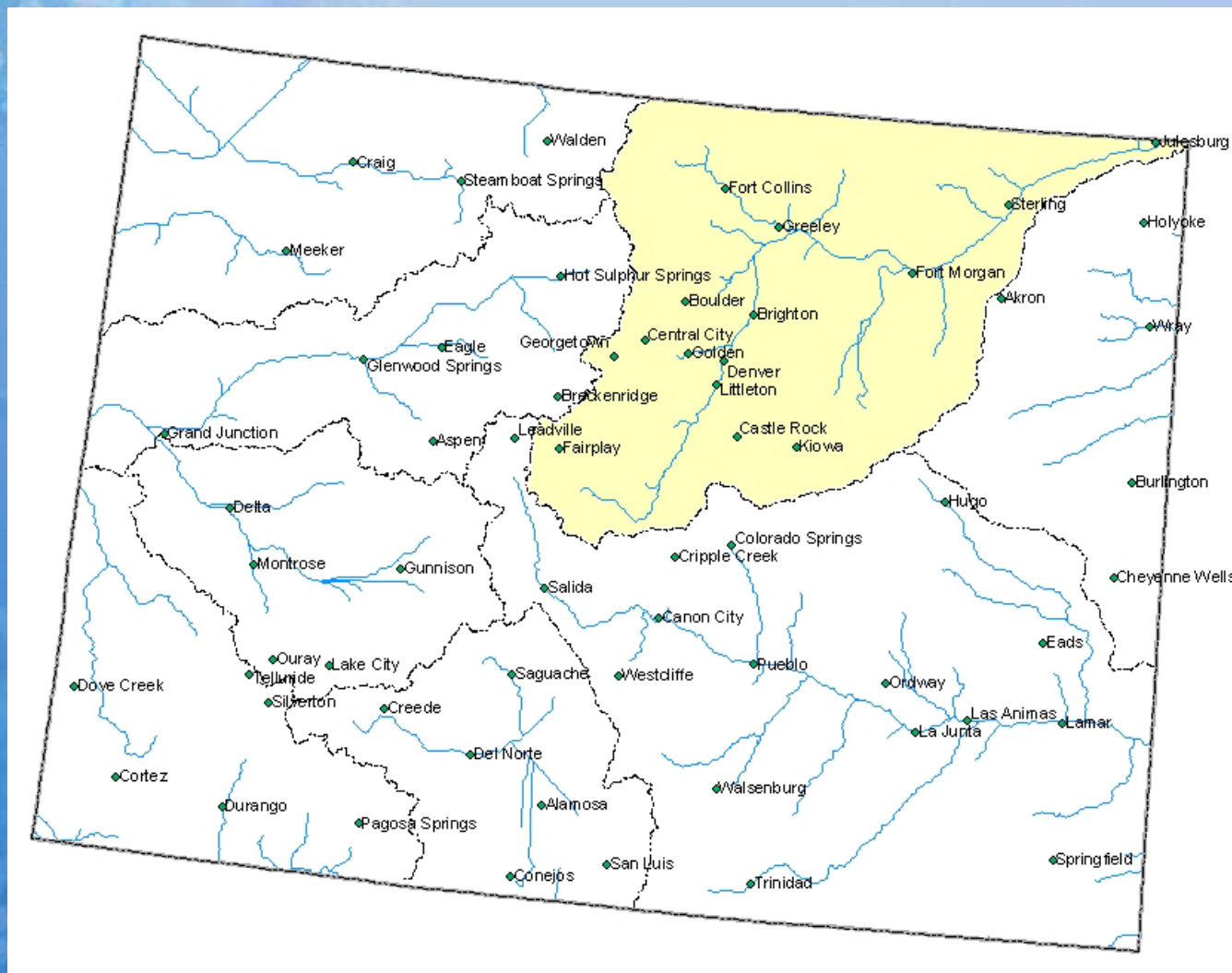


*Provisional Data  
Subject to Revision*



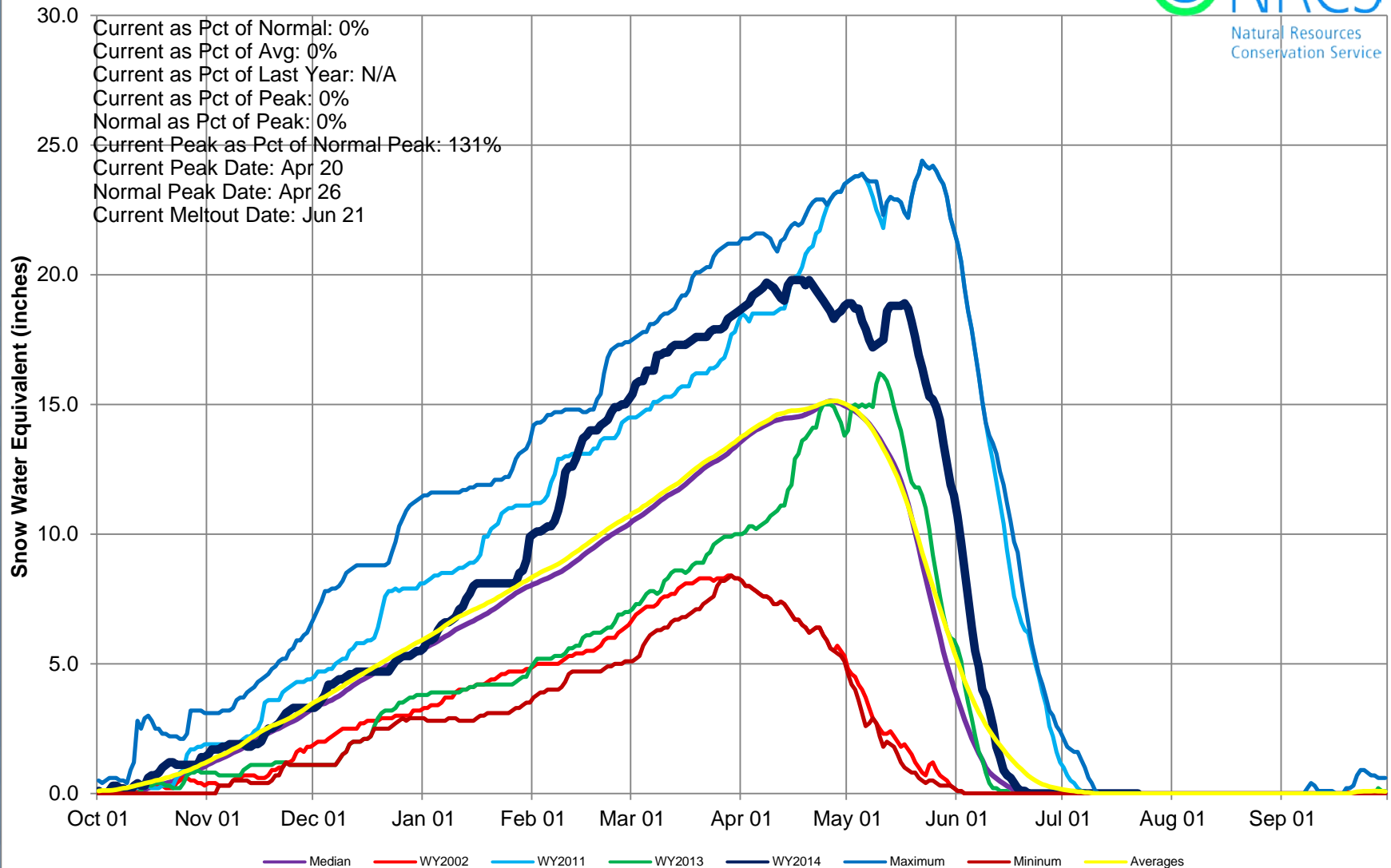
Current as of June 1, 2014

# South Platte River Basin Summary



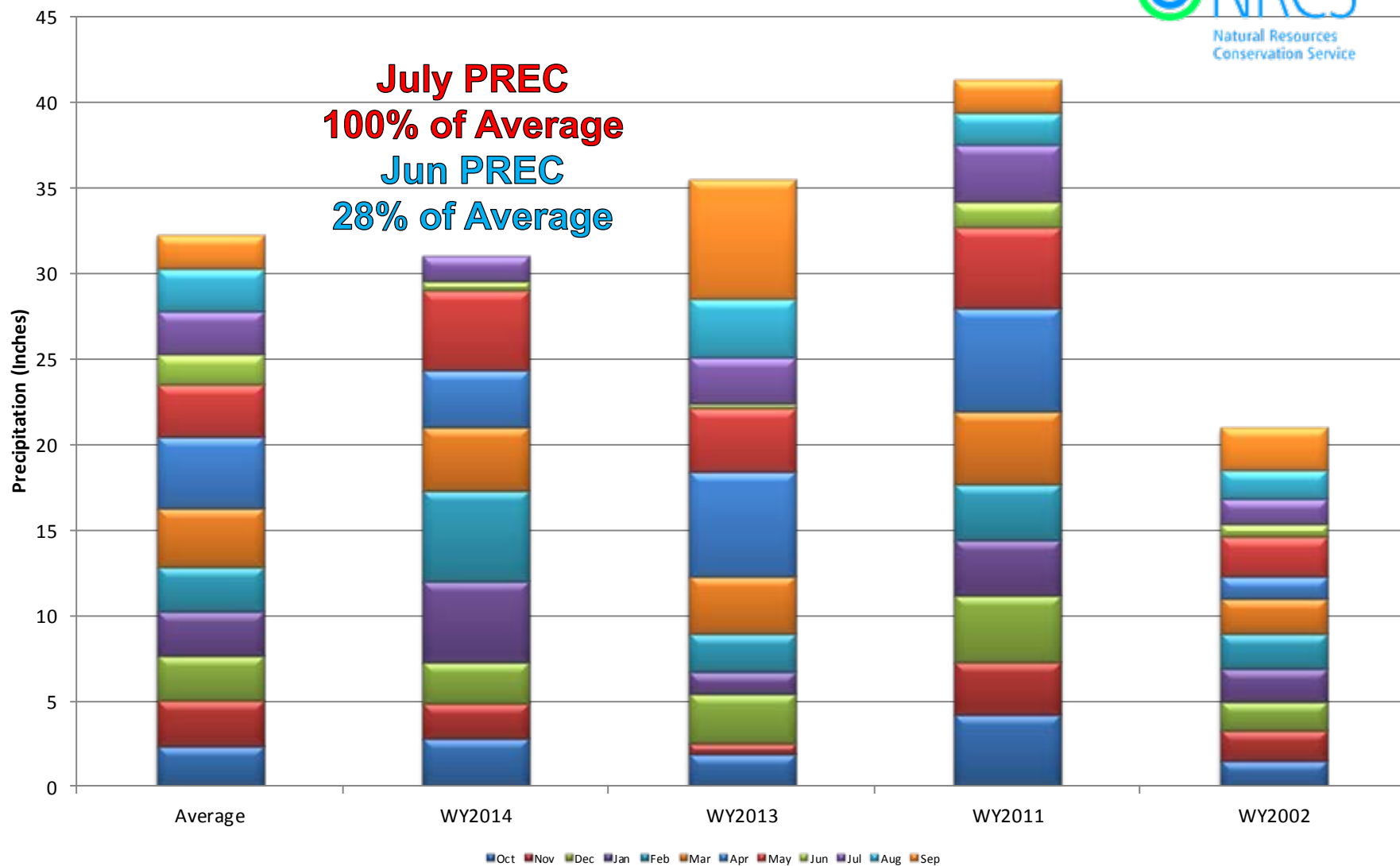
## South Platte River Basin High/Low Snowpack Summary

*Based on Provisional SNOTEL data as of Jul 22, 2014*



## South Platte River Basin High/Low Monthly Precipitation Summary

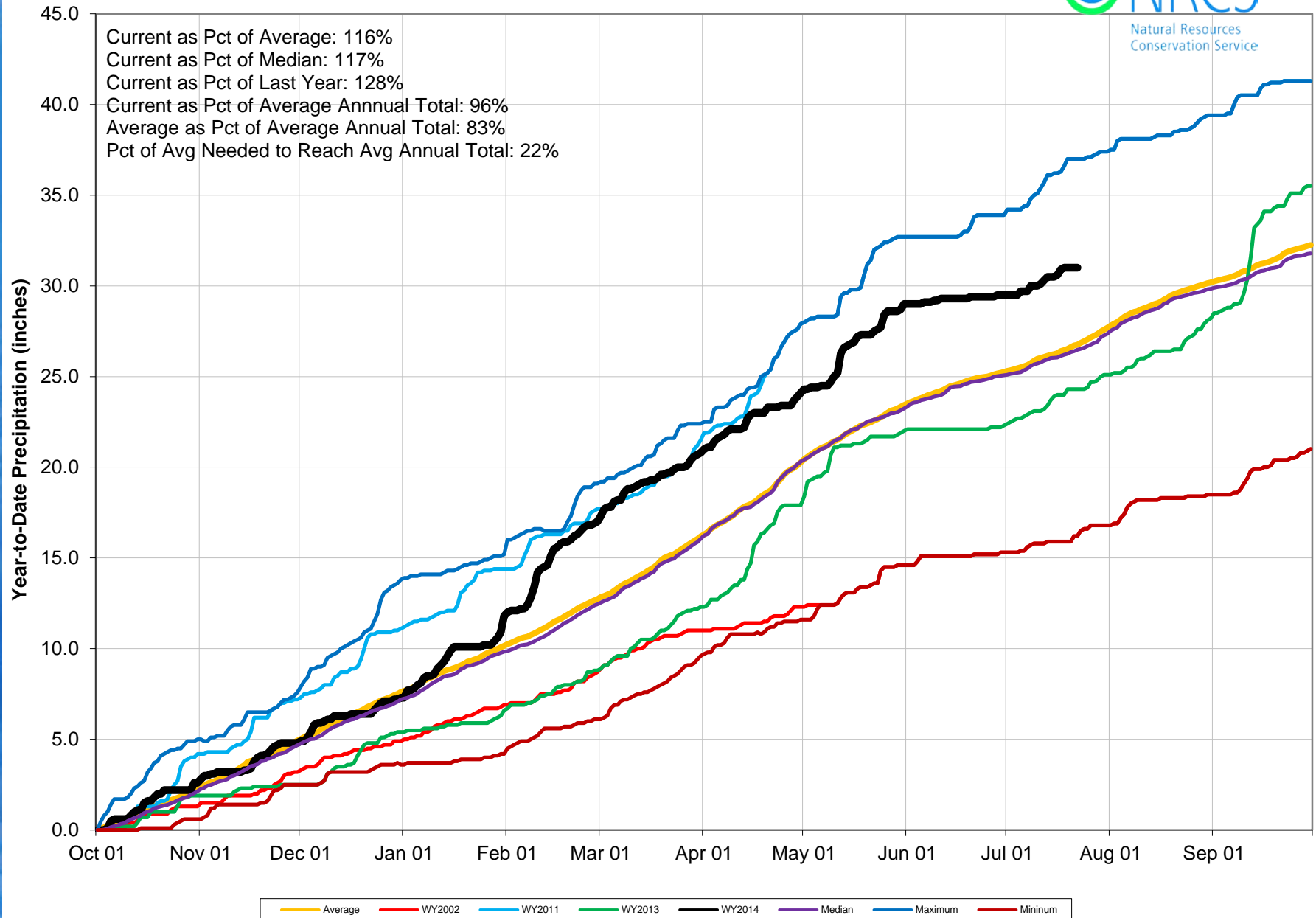
*Based on Provisional SNOTEL data as of Jul 22, 2014*





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

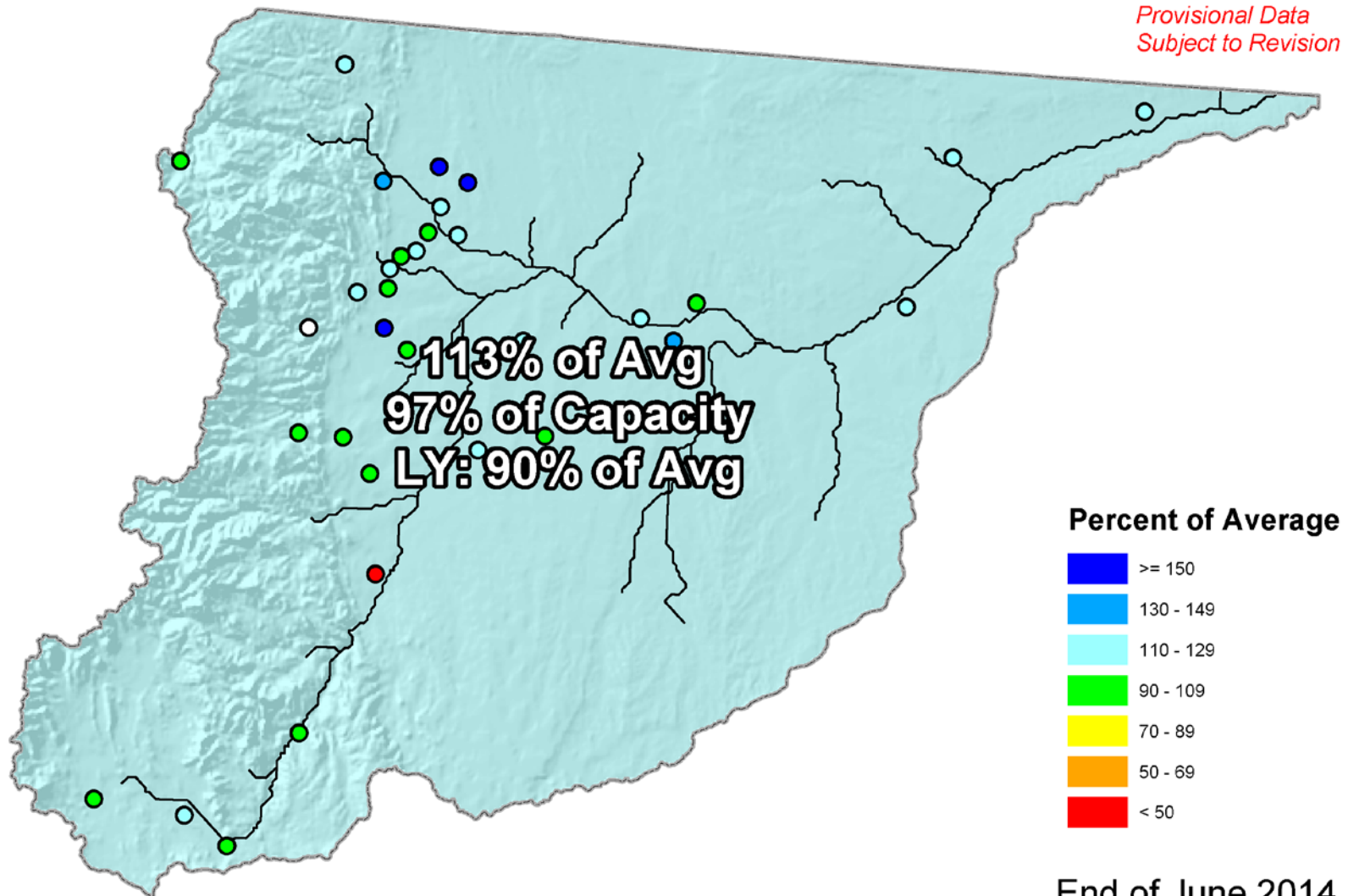
Based on Provisional SNOTEL data as of Jul 22, 2014



# South Platte River Basin Reservoir Storage Map



*Provisional Data  
Subject to Revision*

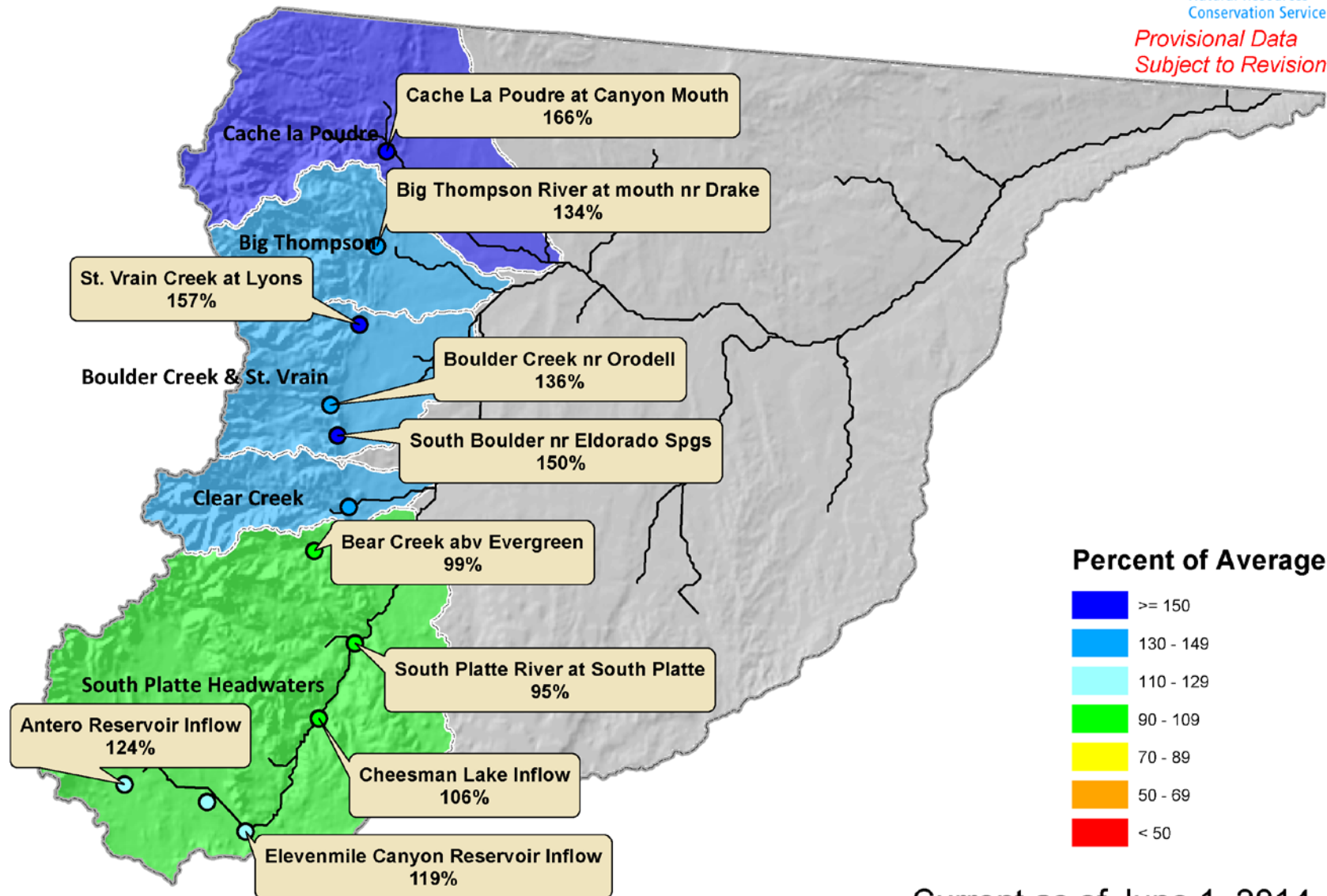


End of June 2014

# South Platte River Basin Streamflow Forecast Map

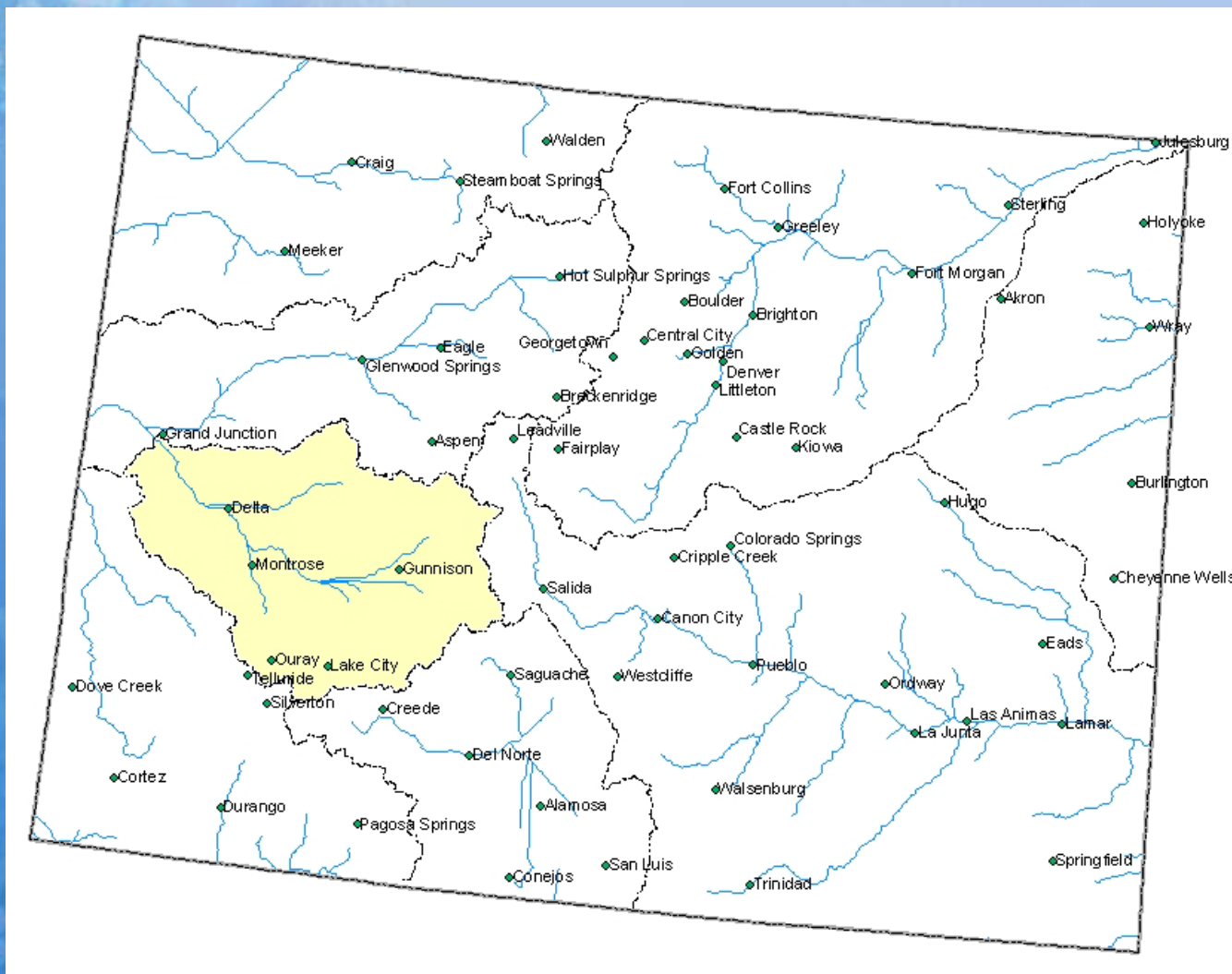


*Provisional Data  
Subject to Revision*



Current as of June 1, 2014

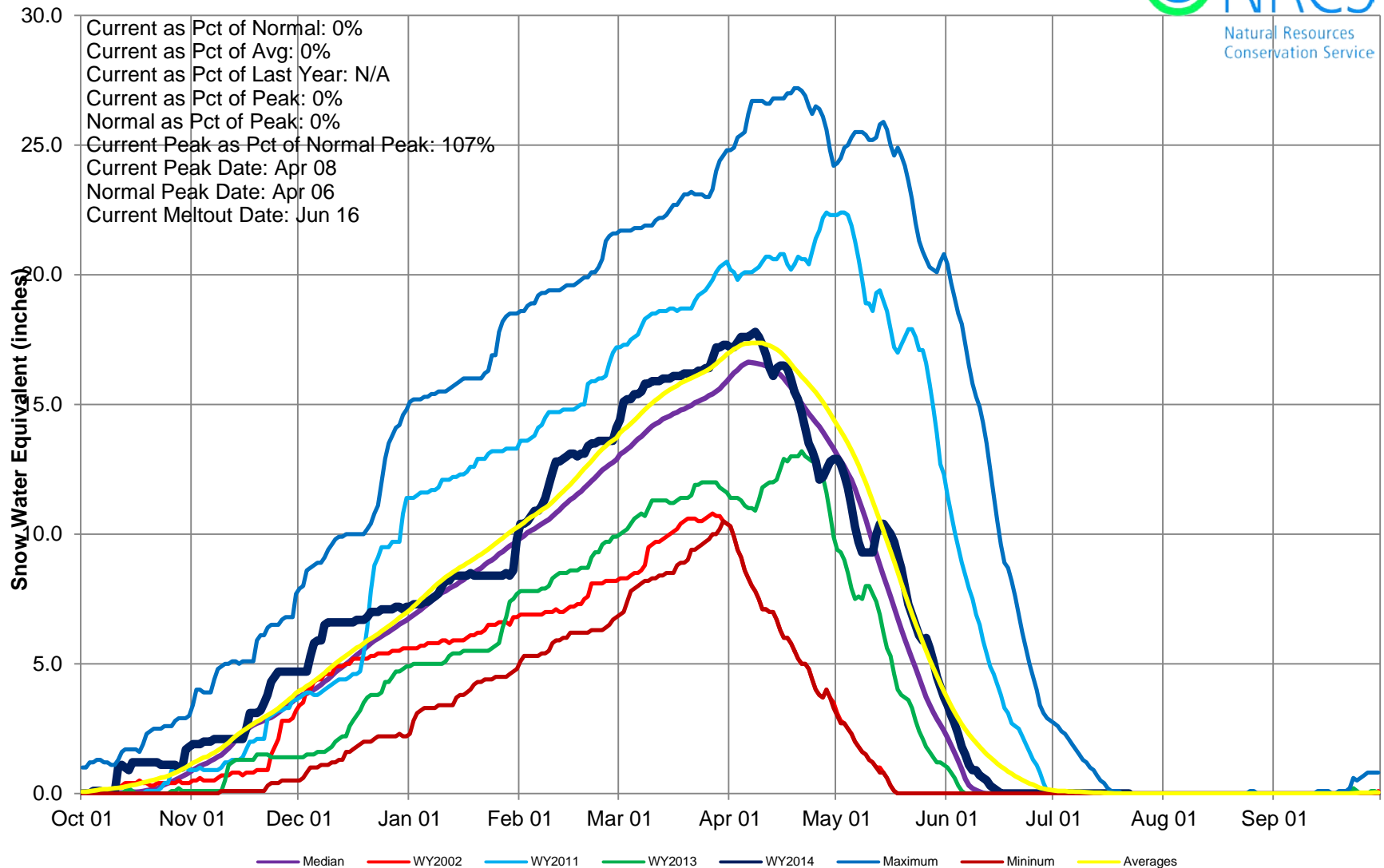
# Gunnison River Basin Summary





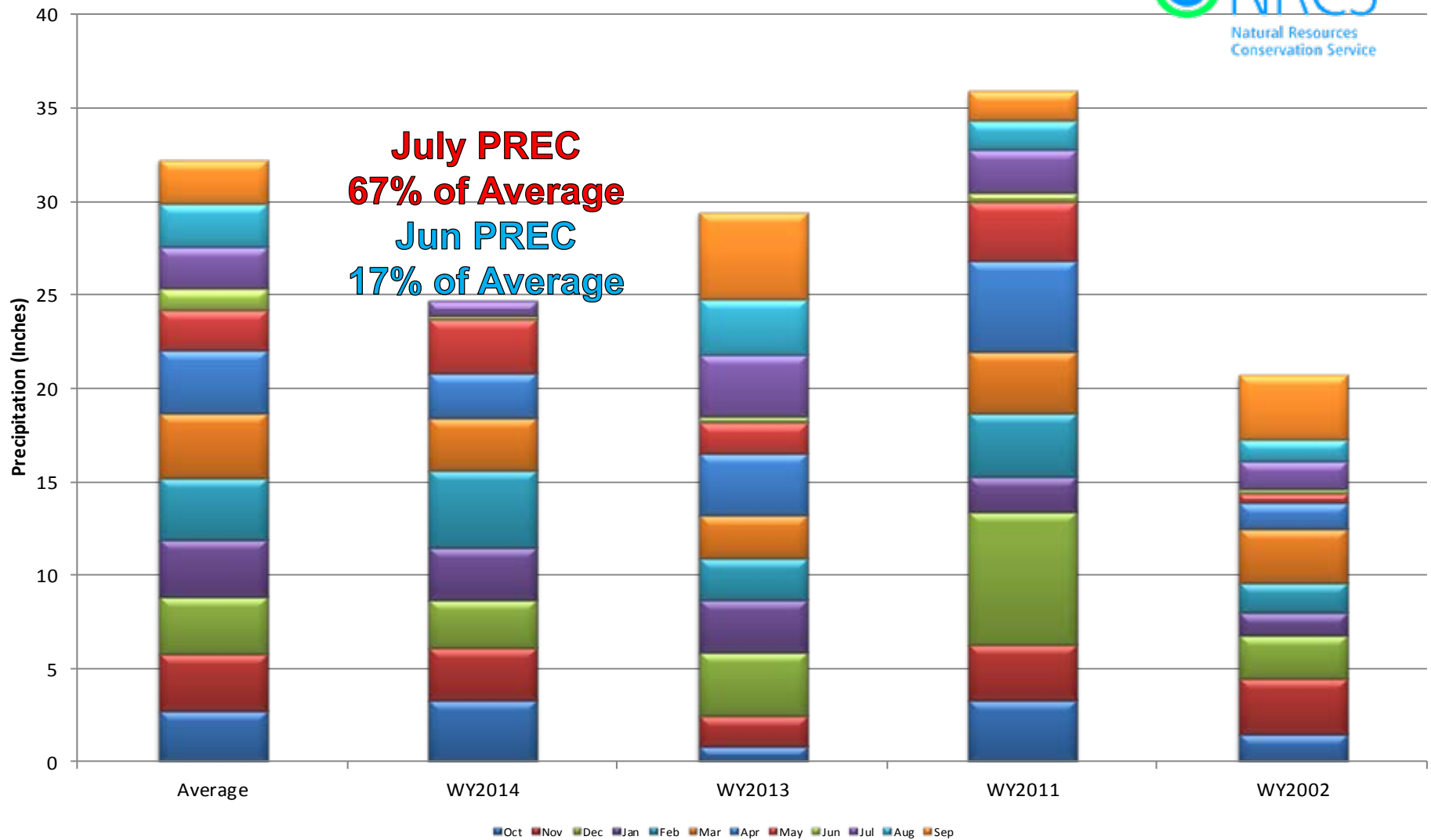
# Gunnison River Basin High/Low Snowpack Summary

Based on Provisional SNOTEL data as of Jul 22, 2014



## Gunnison River Basin High/Low Monthly Precipitation Summary

*Based on Provisional SNOTEL data as of Jul 22, 2014*

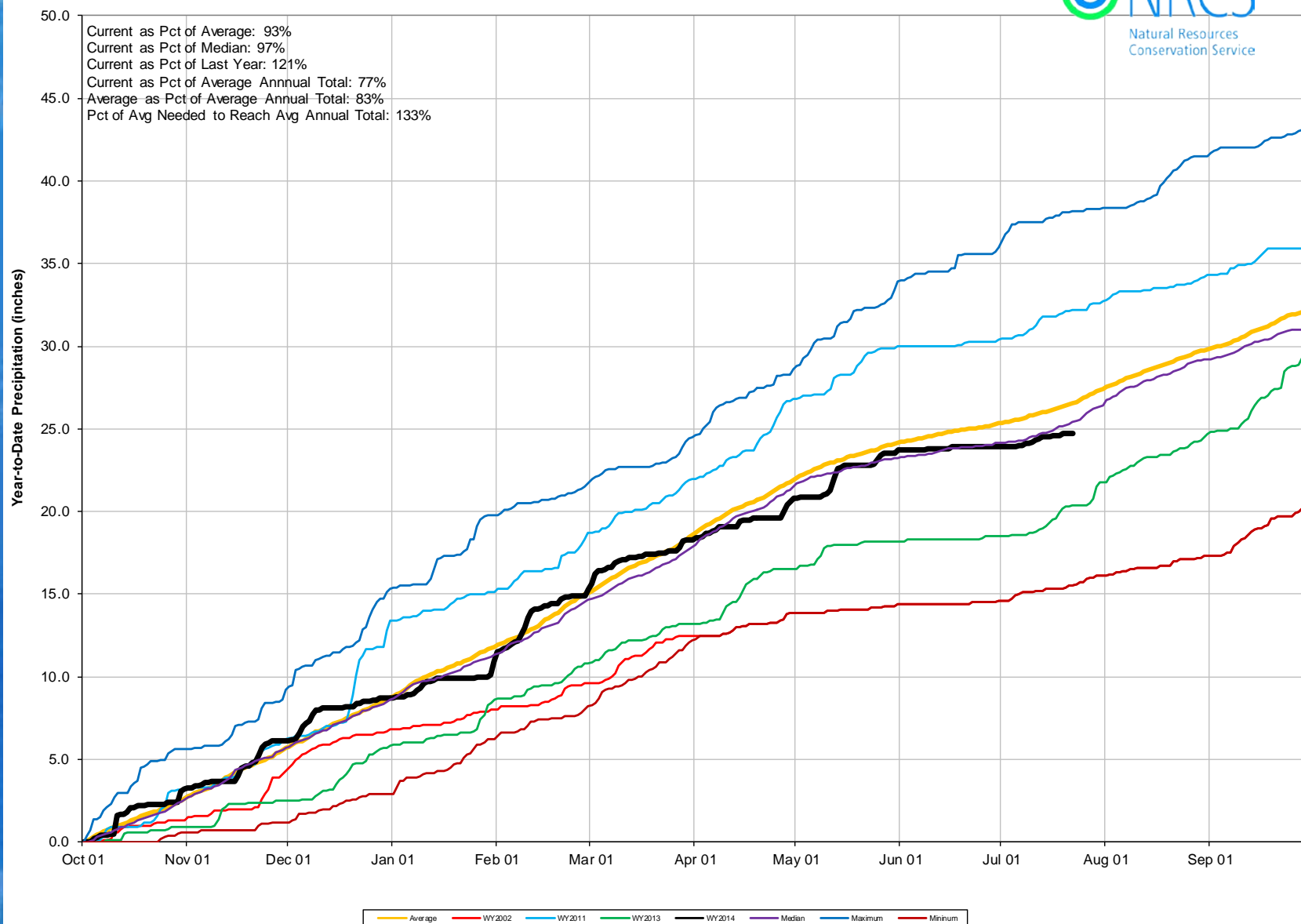


## Gunnison River Basin High/Low Year-to-Date Precipitation Summary

*Based on Provisional SNOTEL data as of Jul 22, 2014*



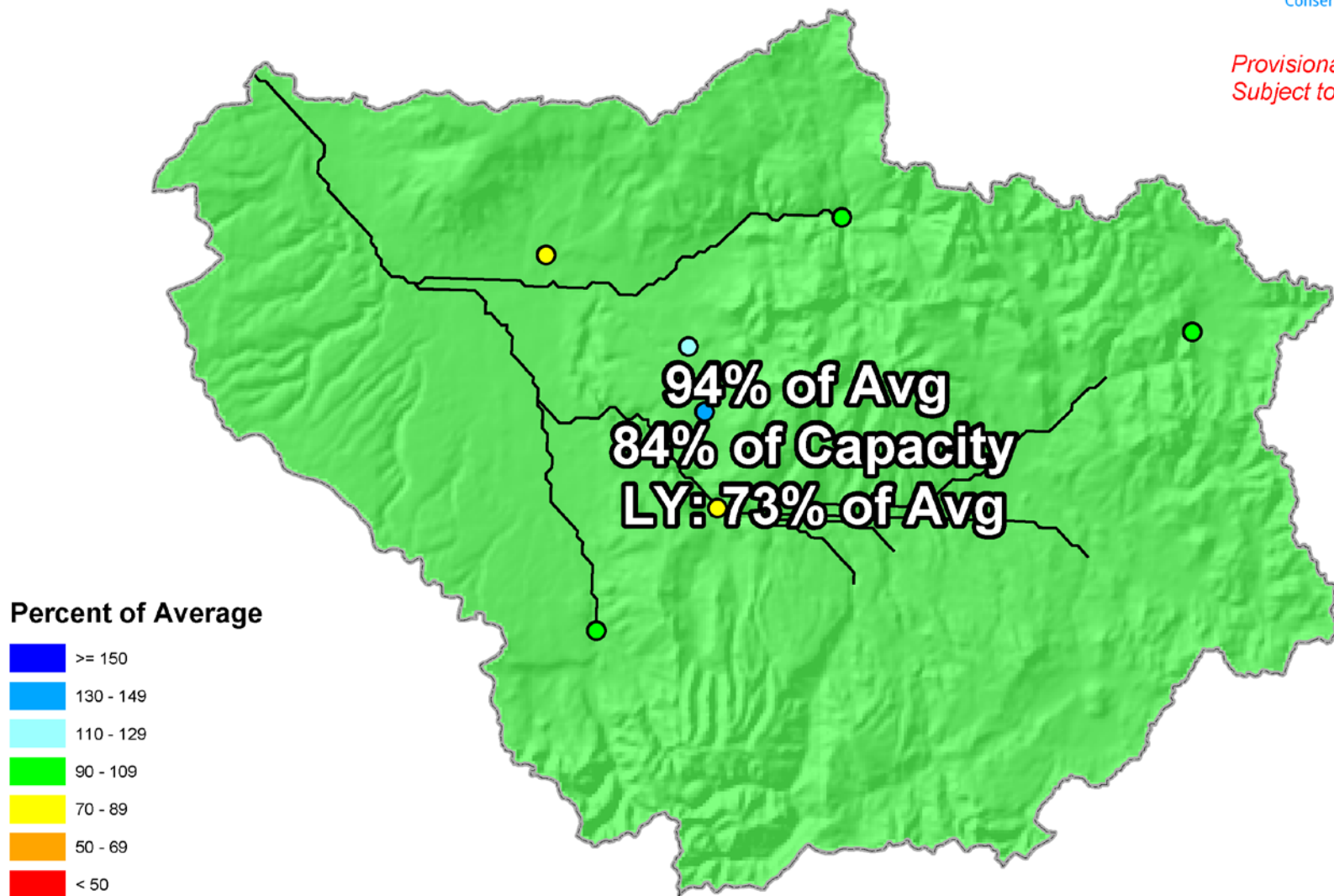
Natural Resources  
Conservation Service



# Gunnison River Basin Reservoir Storage Map



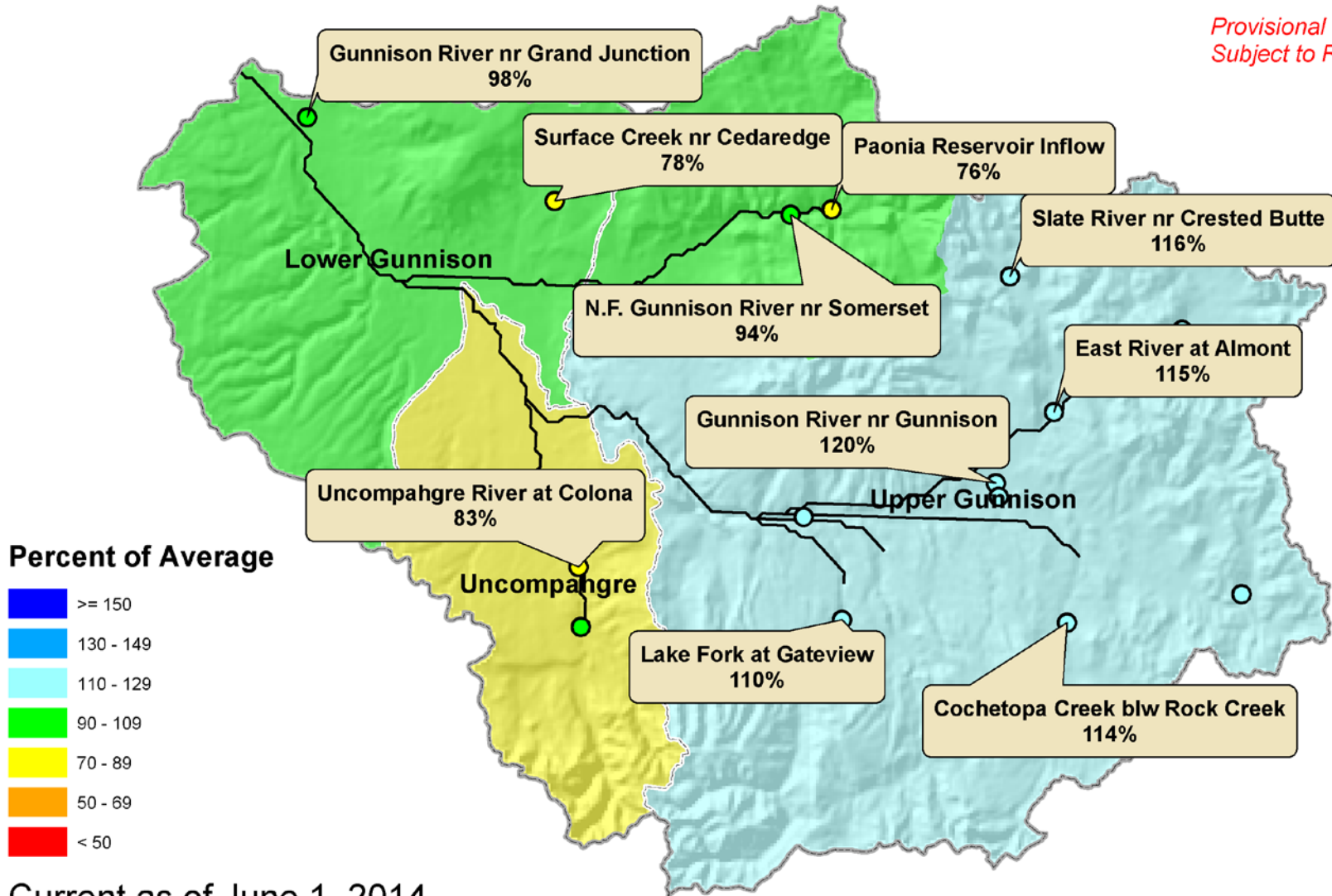
*Provisional Data  
Subject to Revision*



End of June 2014

# Gunnison River Basin Streamflow Forecast Map

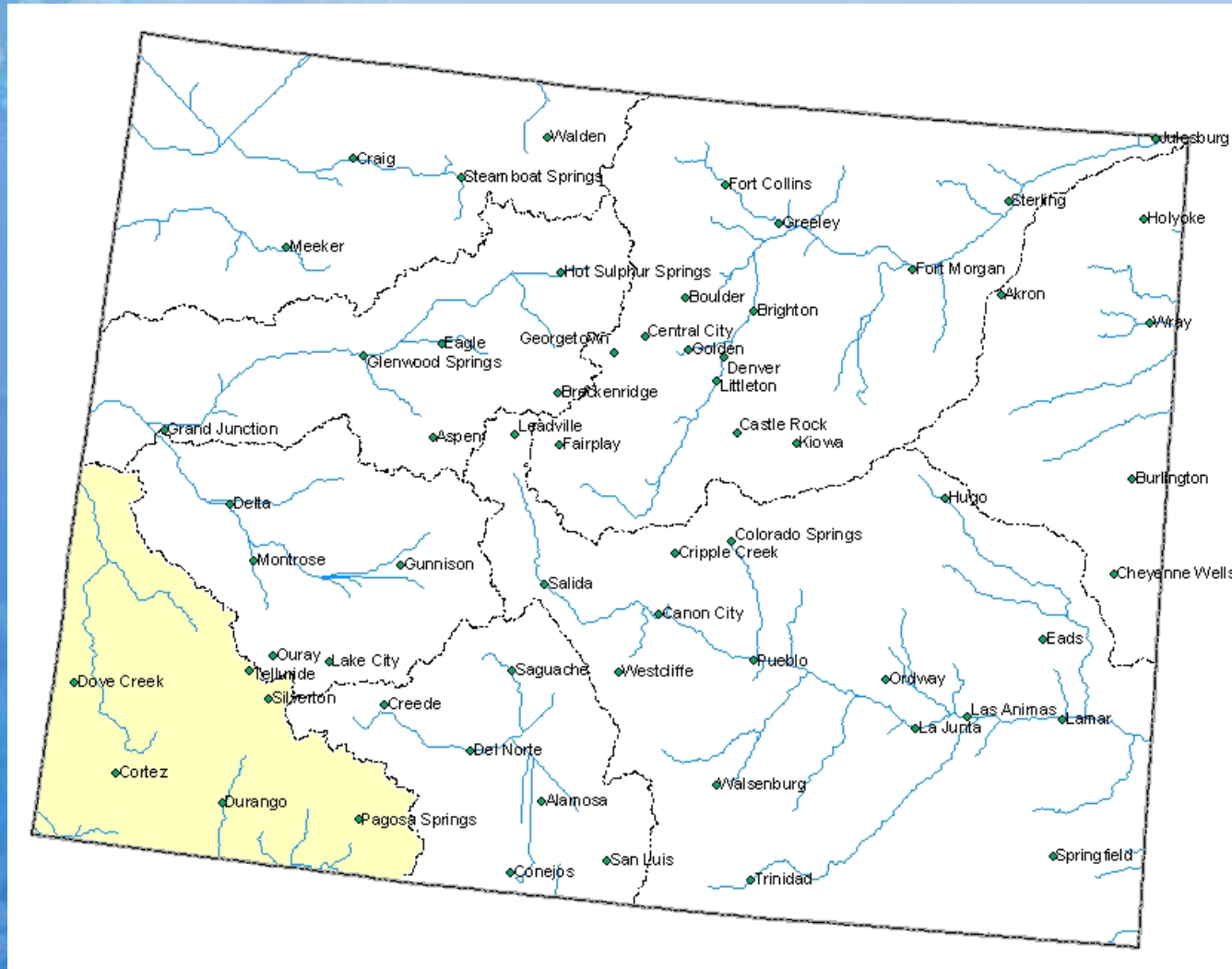
*Provisional Data  
Subject to Revision*



Current as of June 1, 2014

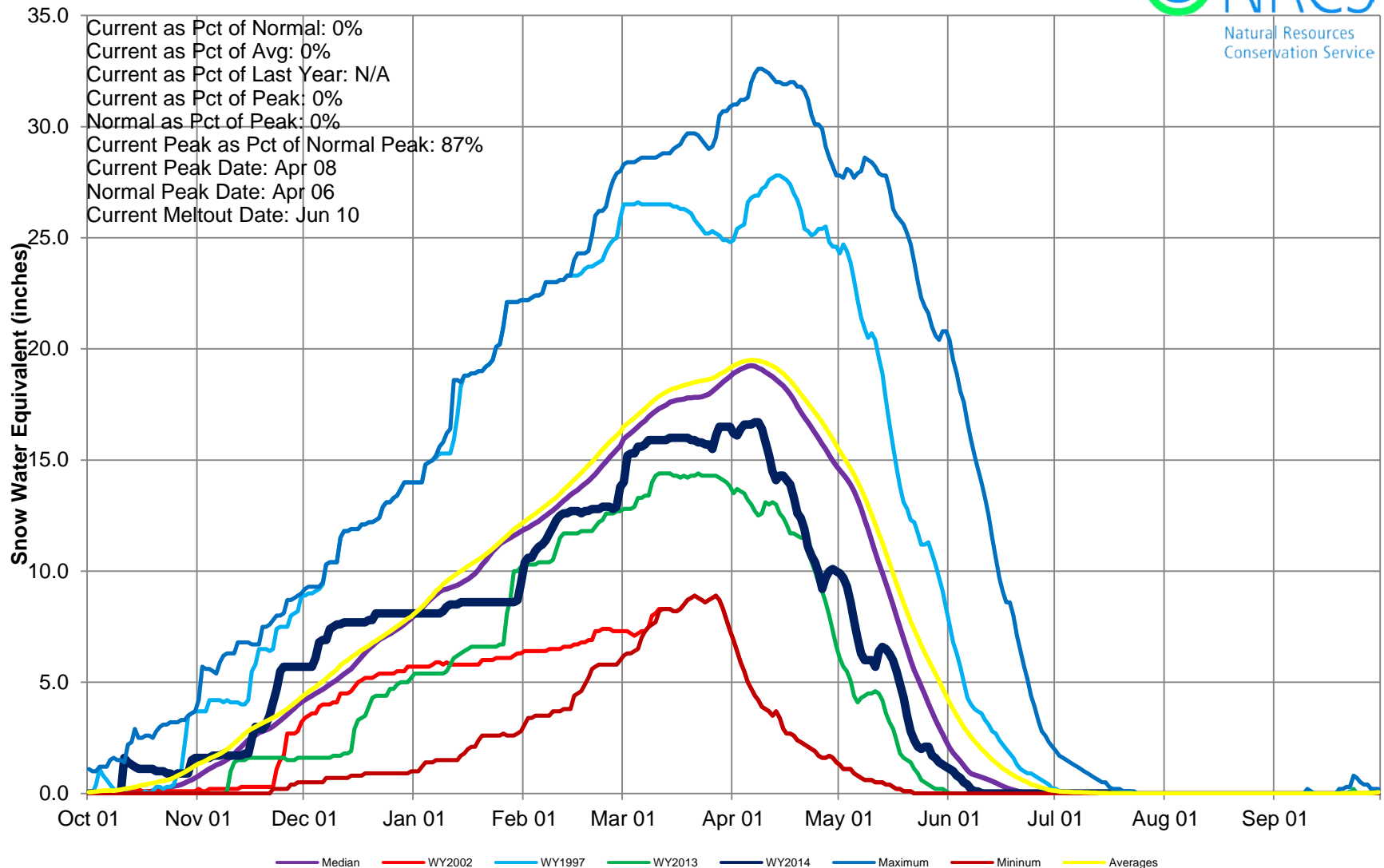


# San Miguel, Dolores, Animas & San Juan River Basins Summary



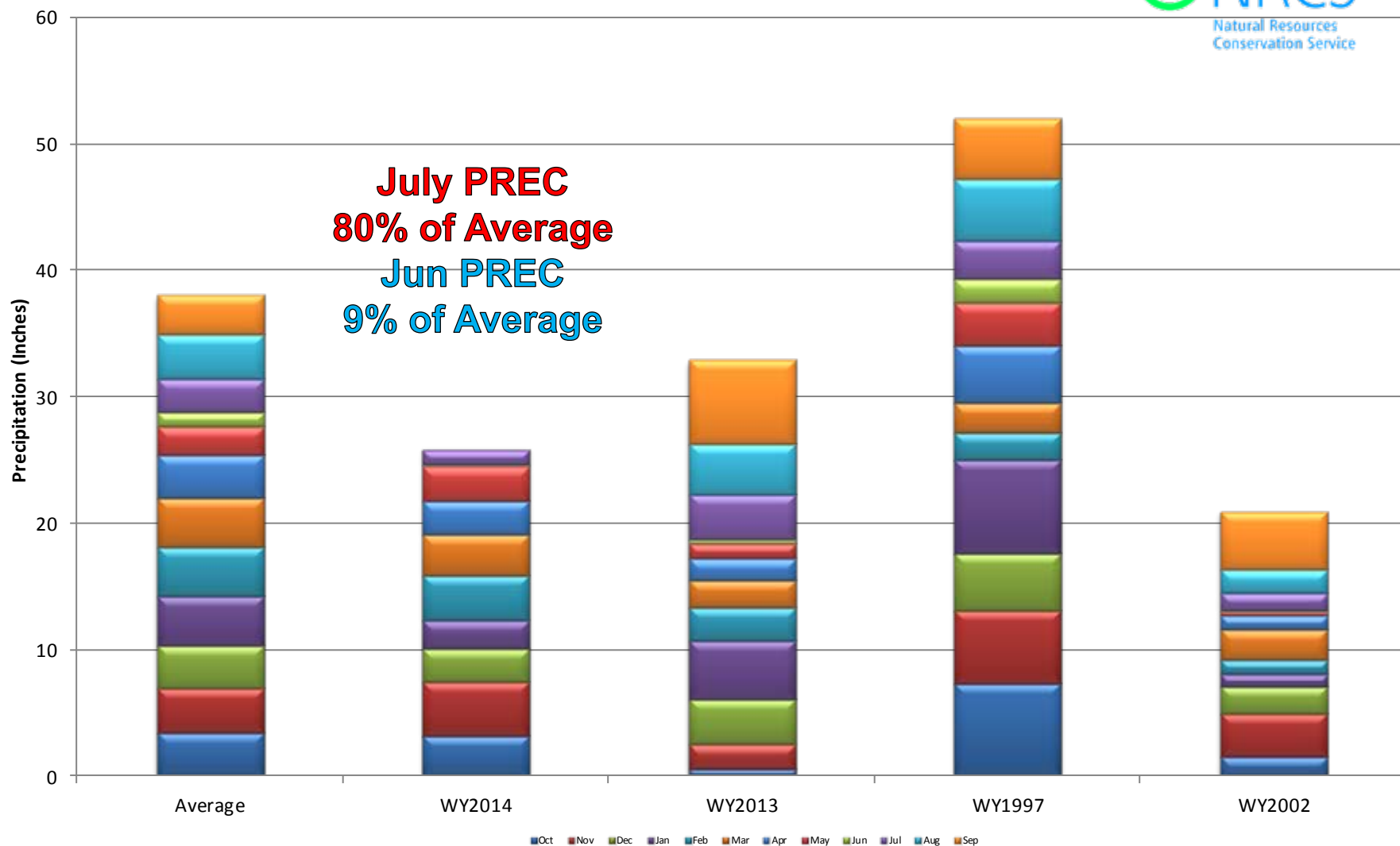
# San Miguel, Dolores, Animas and San Juan River Basins High/Low Snowpack Summary

Based on Provisional SNOTEL data as of Jul 22, 2014



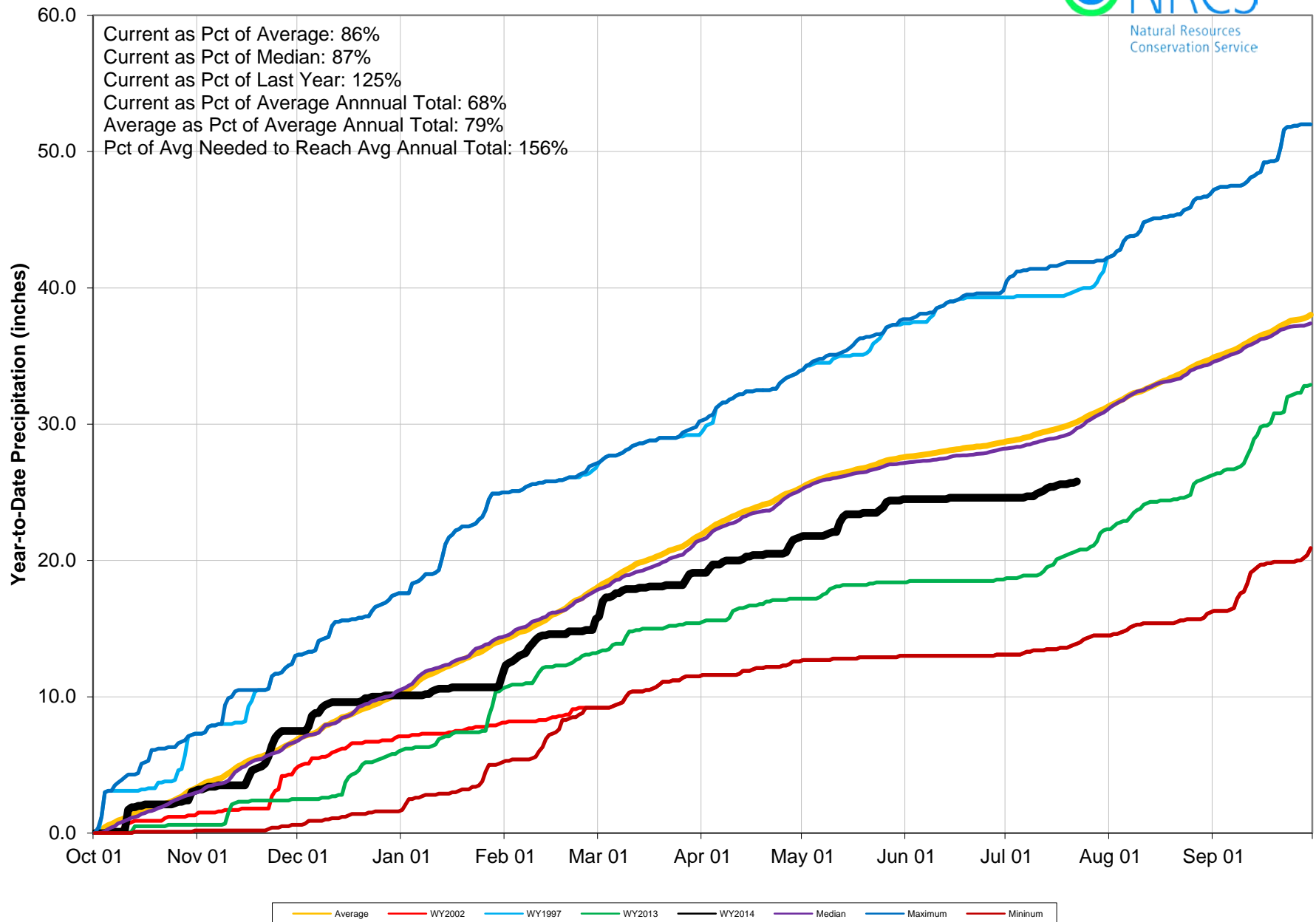
# San Miguel, Dolores, Animas & San Juan River Basins High/Low Monthly Precipitation Summary

*Based on Provisional SNOTEL data as of Jul 22, 2014*



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

*Based on Provisional SNOTEL data as of Jul 22, 2014*



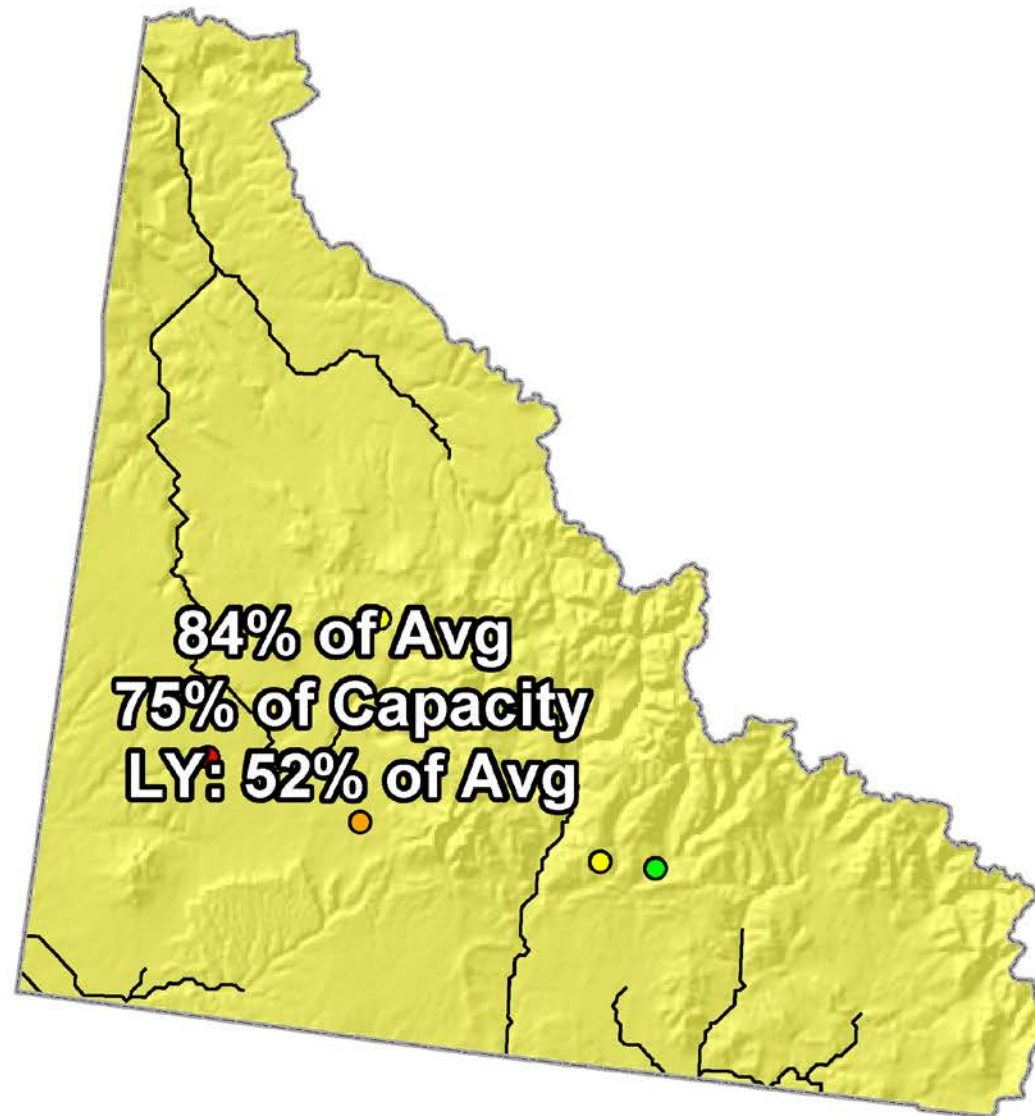
# San Miguel, Dolores, Animas and San Juan River Basins Reservoir Storage Map



## Percent of Average



*Provisional Data  
Subject to Revision*



End of June 2014



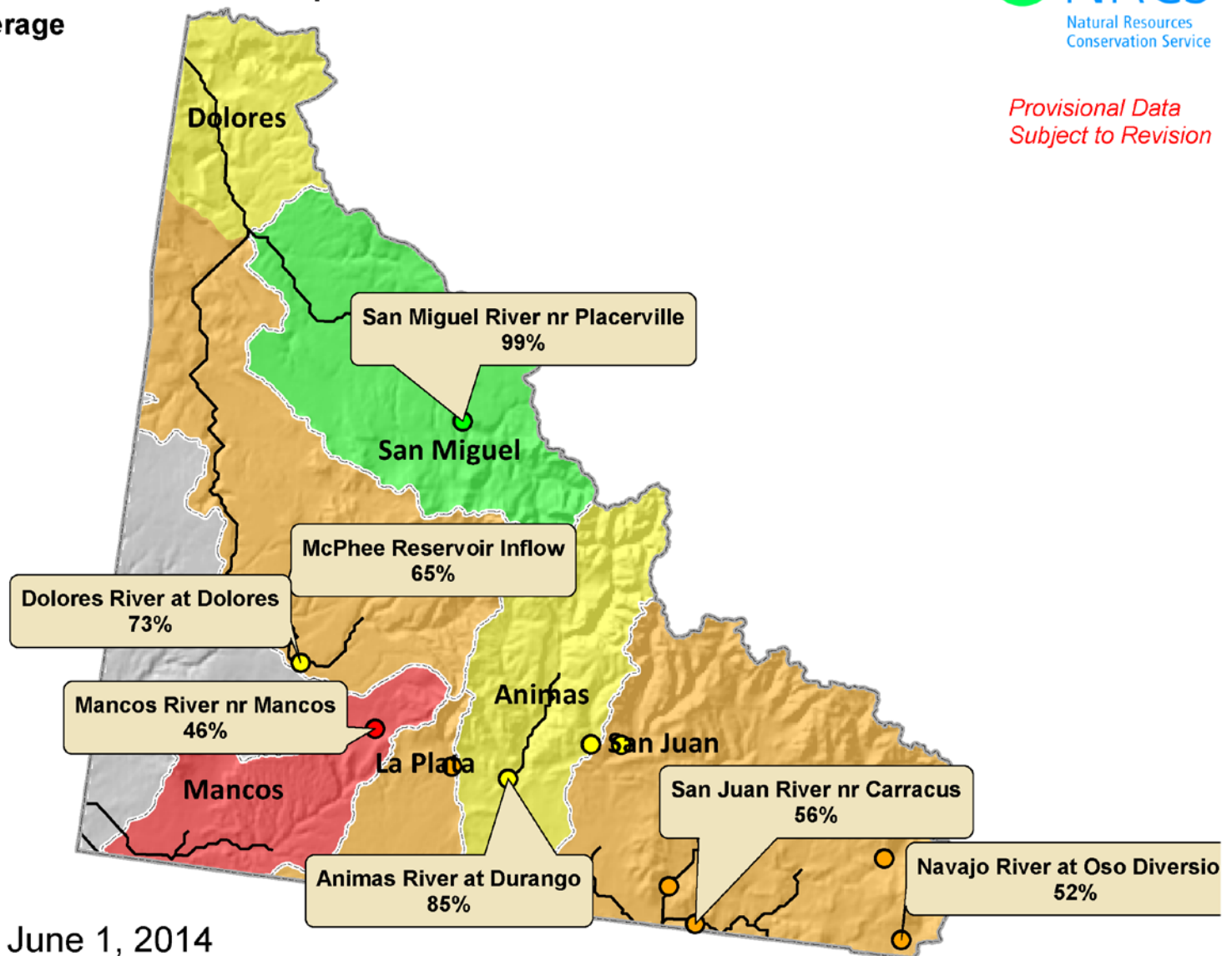
# San Miguel, Dolores, Animas and San Juan River Basins Streamflow Forecast Map



## Percent of Average



*Provisional Data  
Subject to Revision*



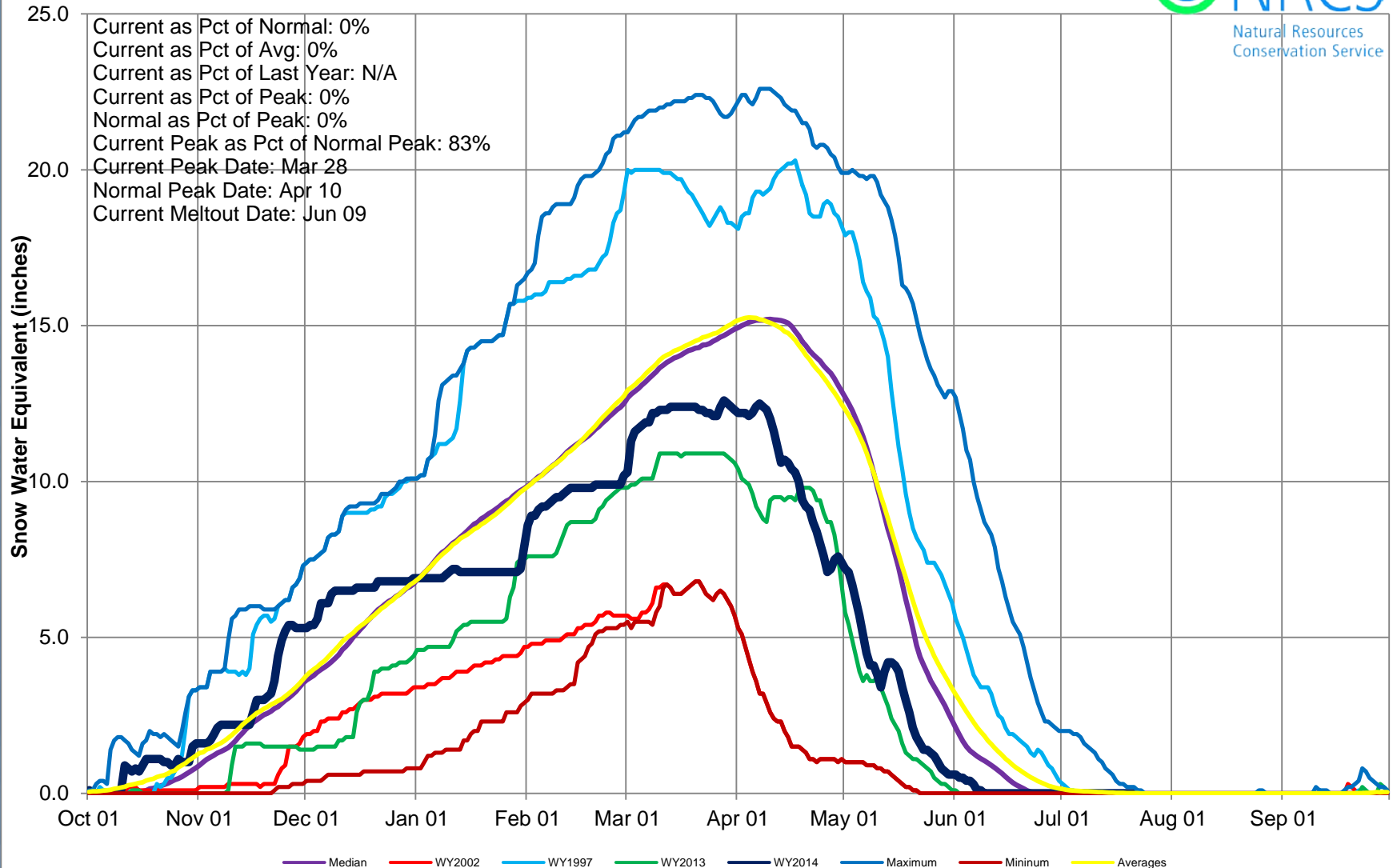
Current as of June 1, 2014

# Upper Rio Grande Basin Summary



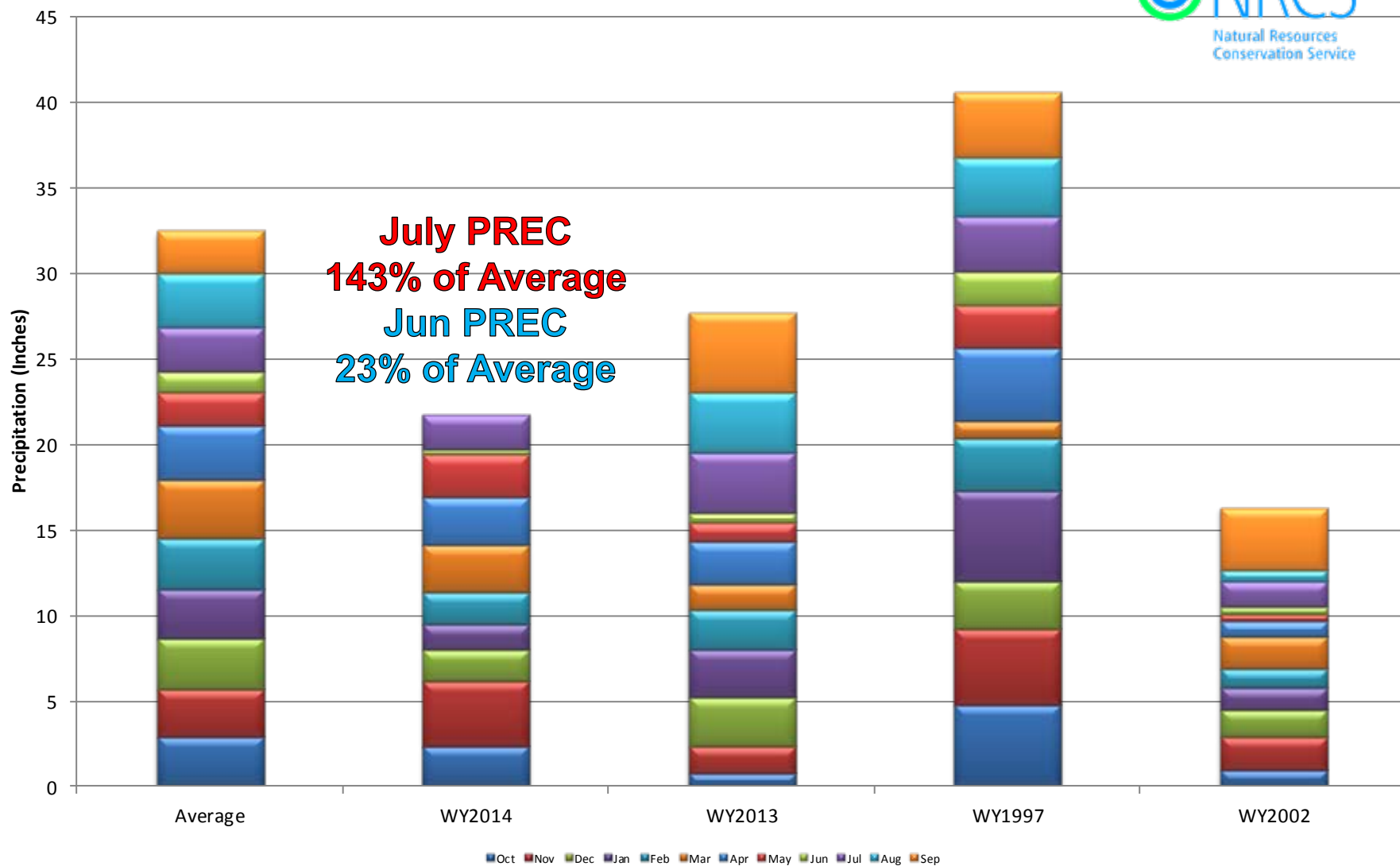
## Upper Rio Grande Basin High/Low Snowpack Summary

Based on Provisional SNOTEL data as of Jul 22, 2014



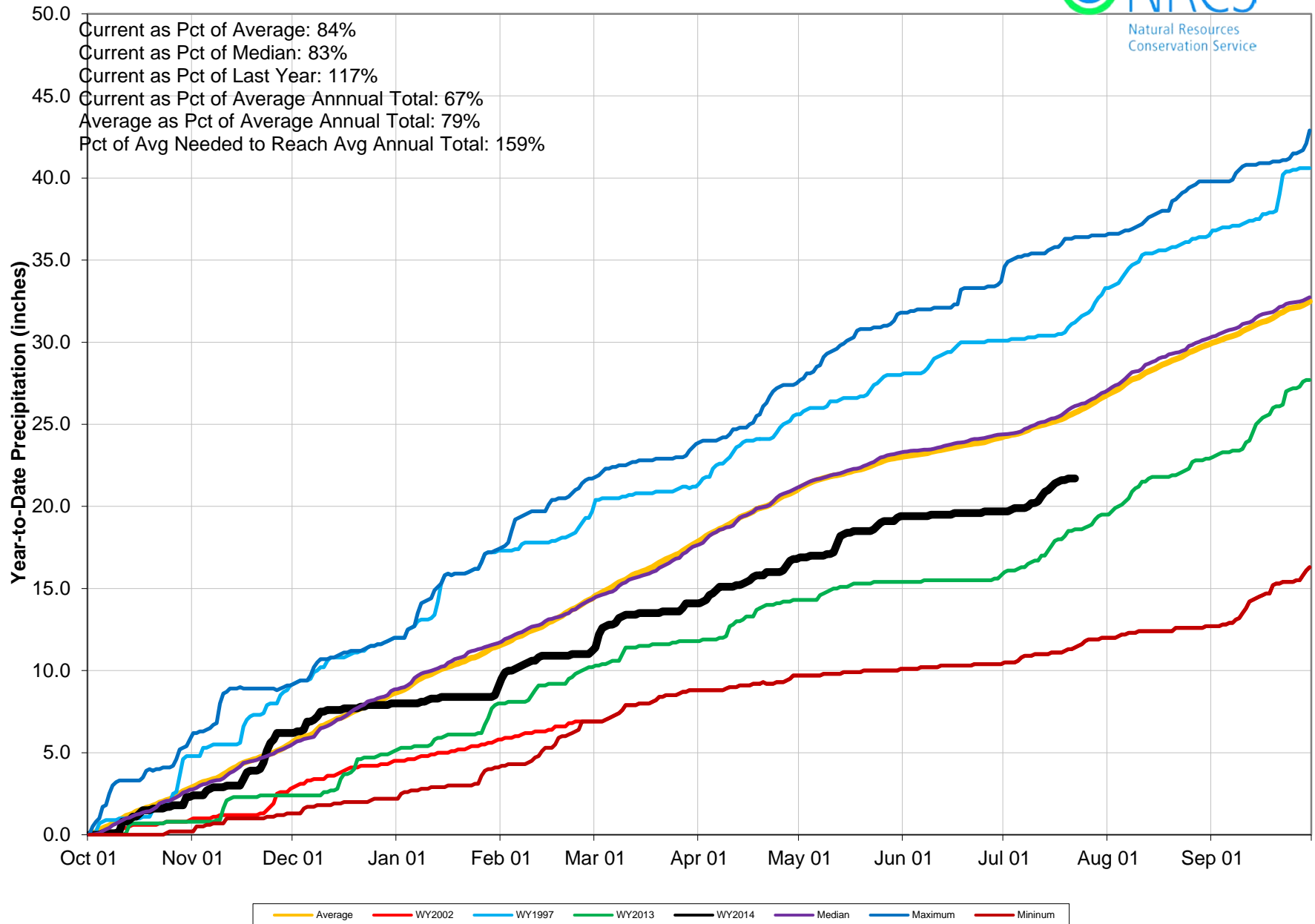
## Upper Rio Grande Basin High/Low Monthly Precipitation Summary

*Based on Provisional SNOTEL data as of Jul 22, 2014*



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

Based on Provisional SNOTEL data as of Jul 22, 2014

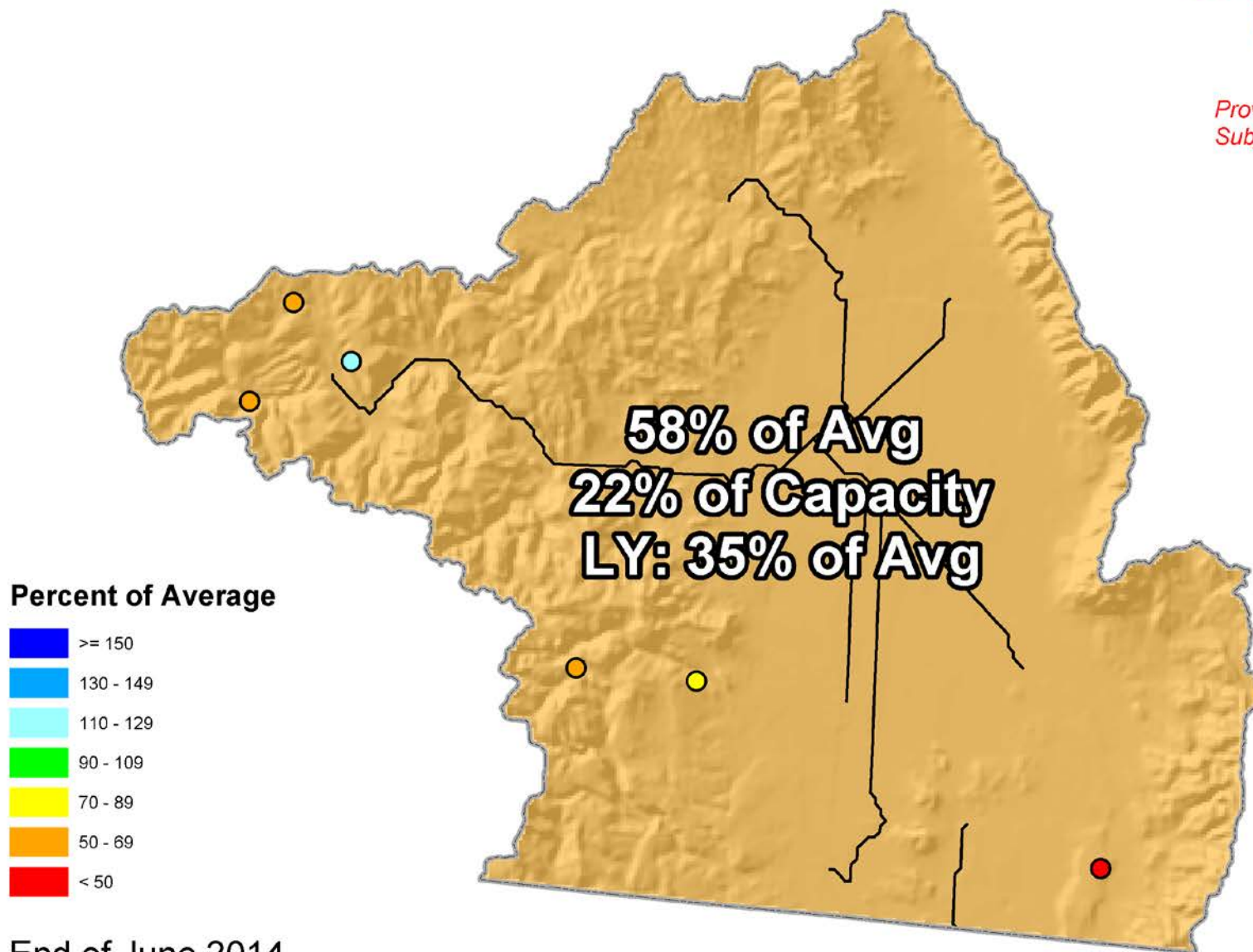




# Upper Rio Grande Basin Reservoir Storage Map



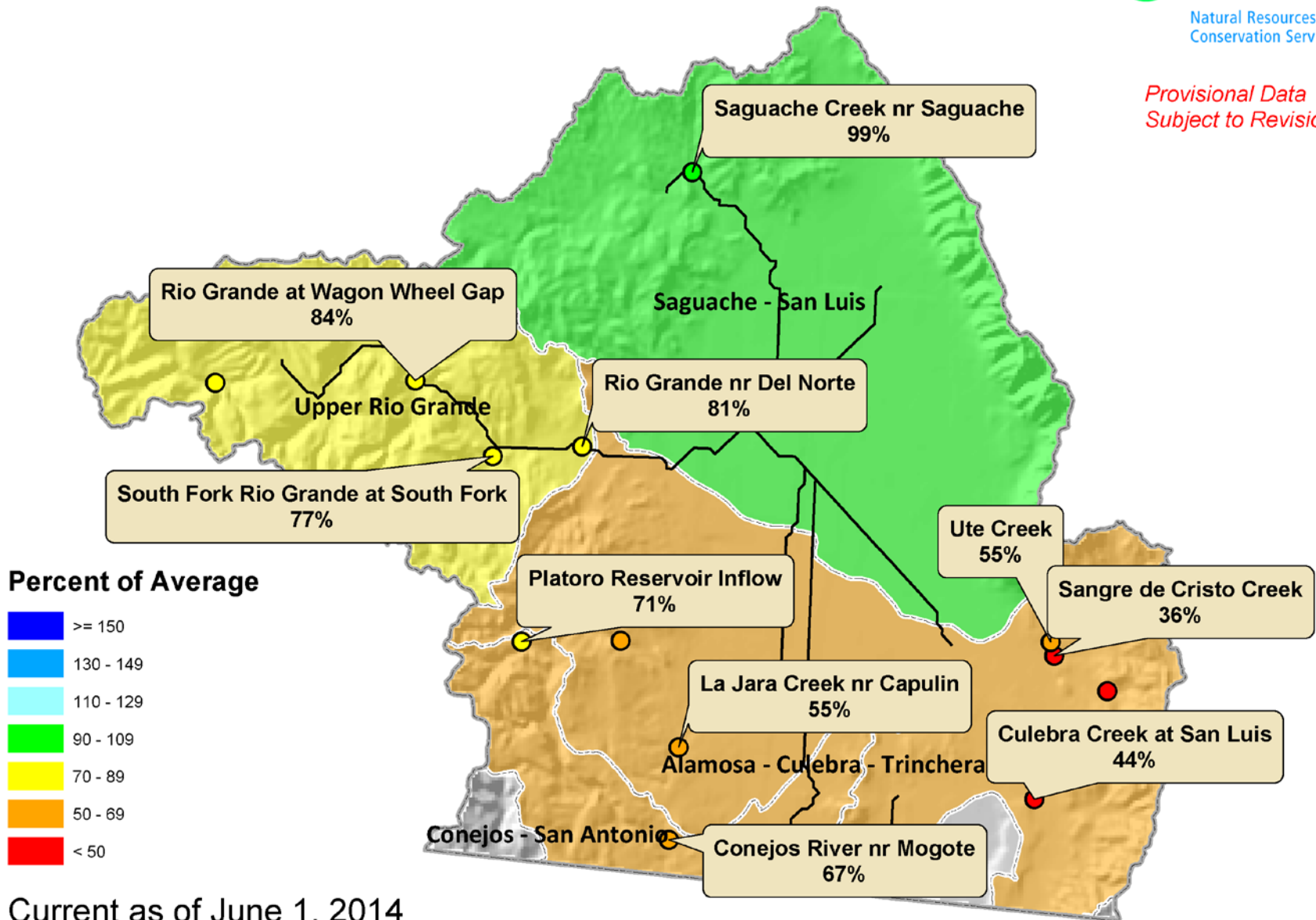
*Provisional Data  
Subject to Revision*



End of June 2014

# Upper Rio Grande Basin Streamflow Forecast Map

*Provisional Data  
Subject to Revision*

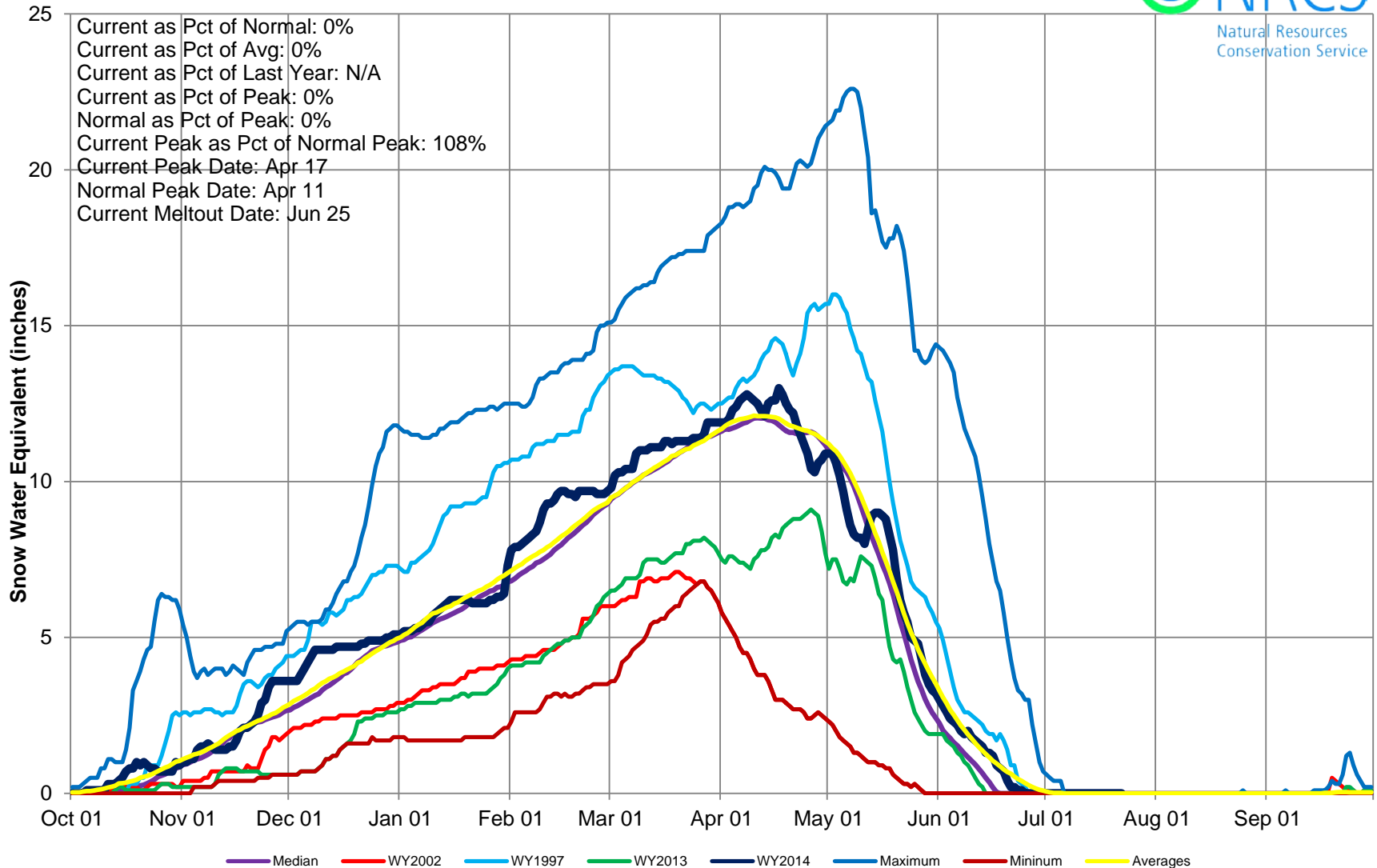


## A map of the state of Colorado, outlined in black. Major cities are marked with black dots and labeled. The cities include: Walden, Craig, Steamboat Springs, Meeker, Fort Collins, Greeley, Sterling, Holyoke, Hot Sulphur Springs, Boulder, Brighton, Fort Morgan, Akron, Wray, Georgetown, Central City, Golden, Denver, Littleton, Castle Rock, Kiowa, Aspen, Leadville, Fairplay, Brackenridge, Grand Junction, Delta, Montrose, Gunnison, Salida, Cripple Creek, Colorado Springs, Hugo, Burlington, Cheyenne Wells, Ouray, Telluride, Lake City, Silverton, Creede, Saguache, Westcliffe, Canon City, Pueblo, Eads, Ordway, Las Animas, Lamar, Dove Creek, Cortez, Durango, Pagosa Springs, Del Norte, Alamosa, Walsenburg, La Junta, San Luis, Conejos, Trinidad, and Springfield. Major rivers are shown as blue lines, including the Colorado River, Arkansas River, and Rio Grande. County boundaries are indicated by dashed lines.



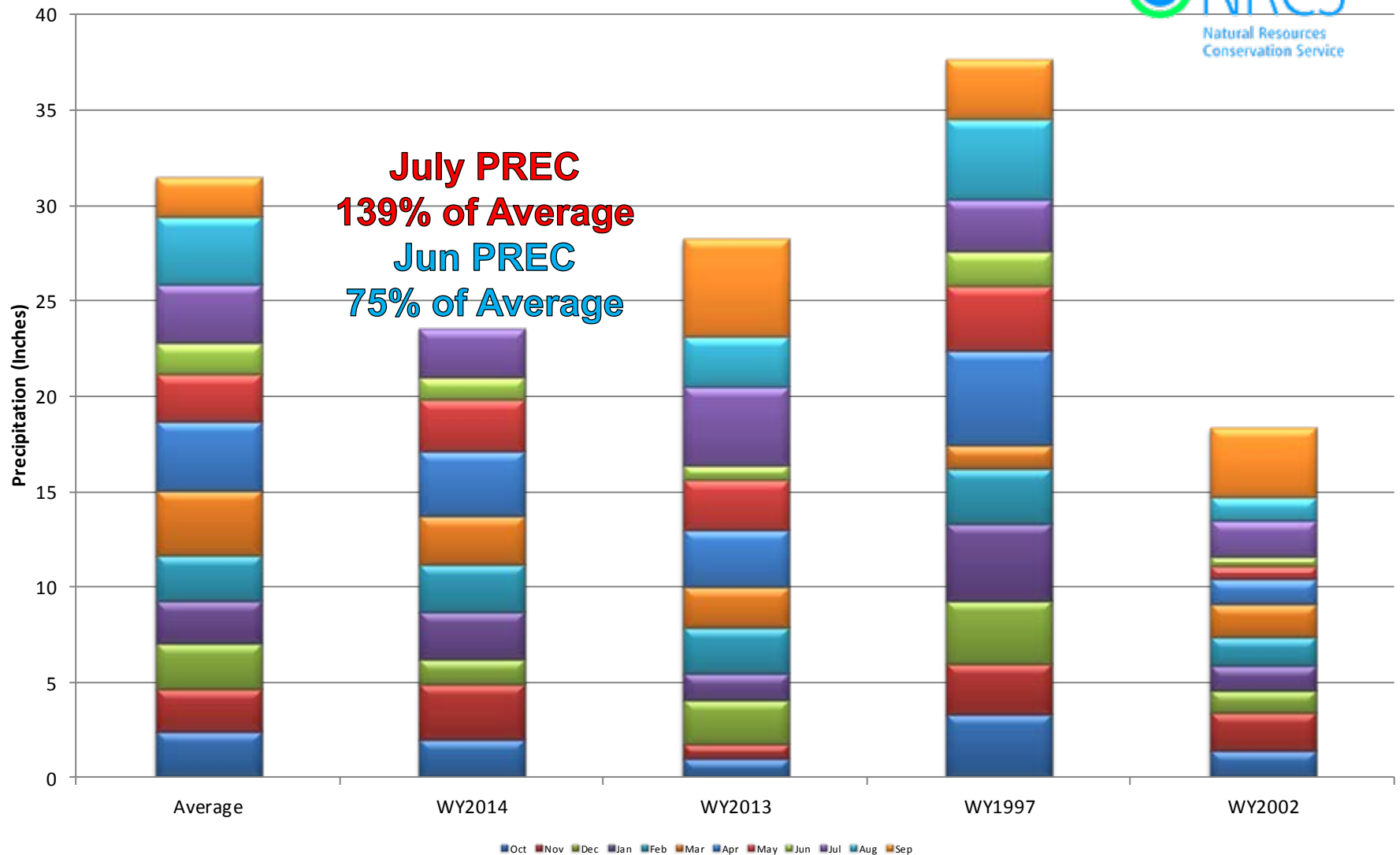
# Arkansas River Basin High/Low Snowpack Summary

Based on Provisional SNOTEL data as of Jul 22, 2014



## Arkansas River Basin High/Low Monthly Precipitation Summary

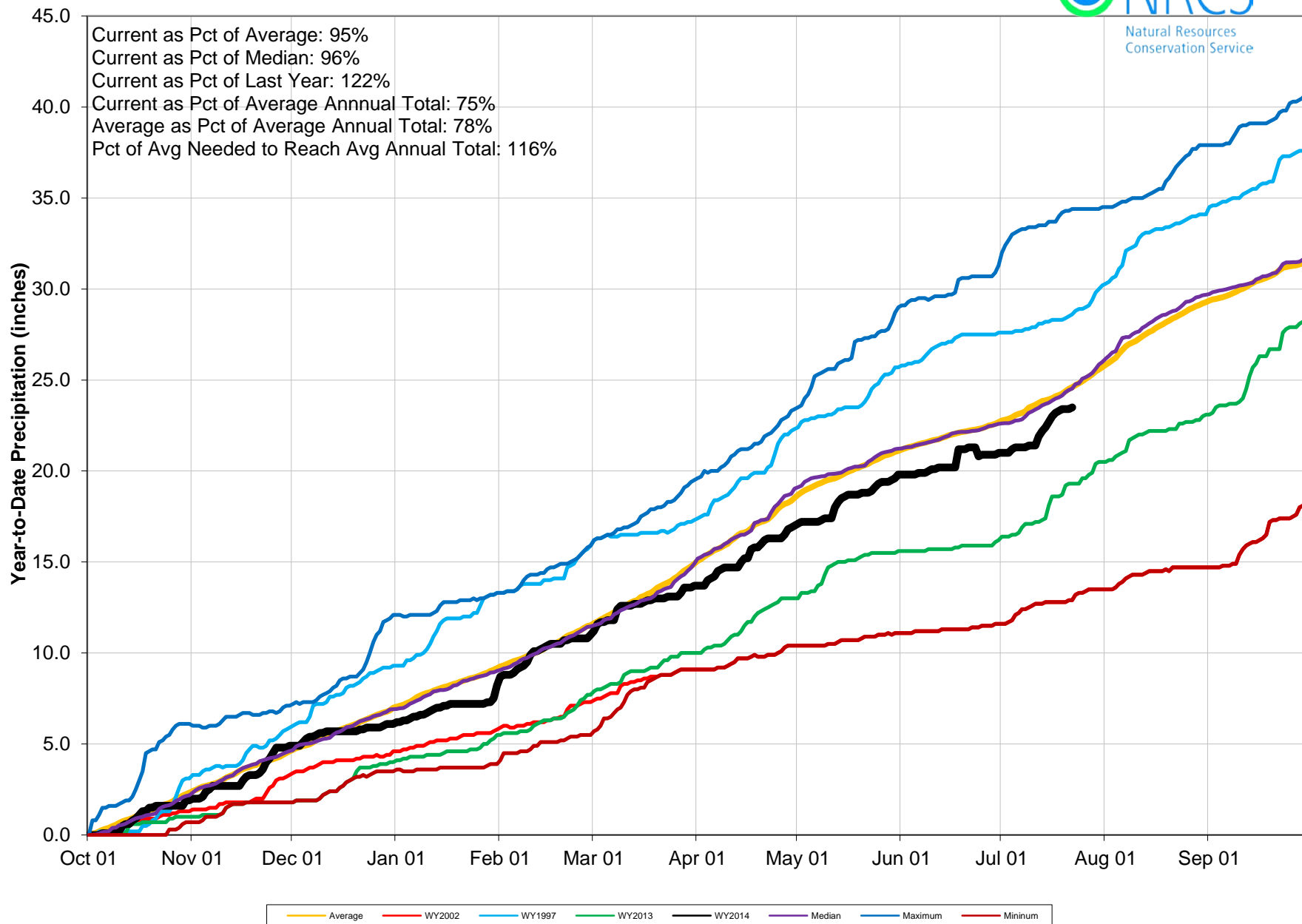
*Based on Provisional SNOTEL data as of Jul 22, 2014*





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

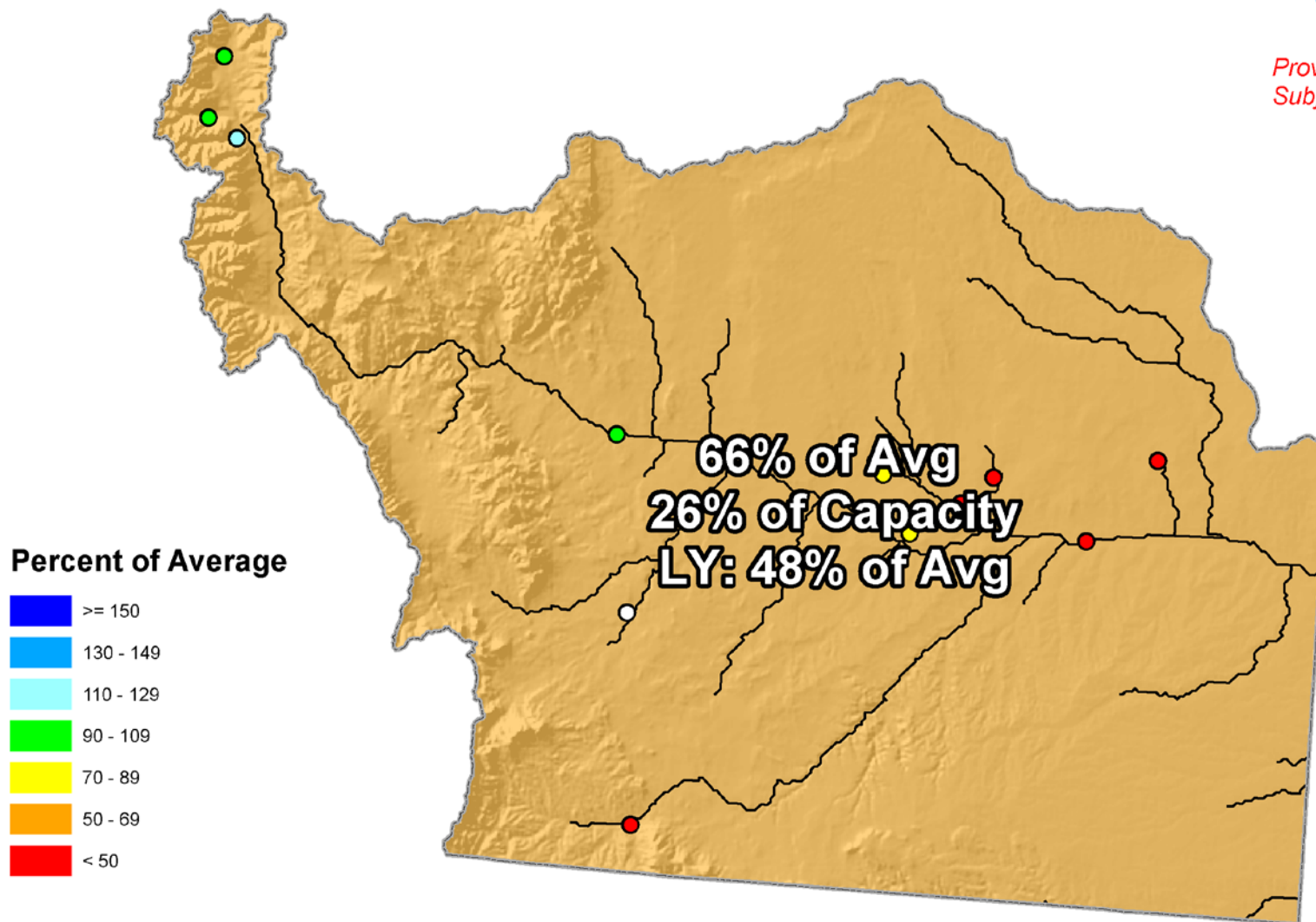
Based on Provisional SNOTEL data as of Jul 22, 2014



# Arkansas River Basin Reservoir Storage Map



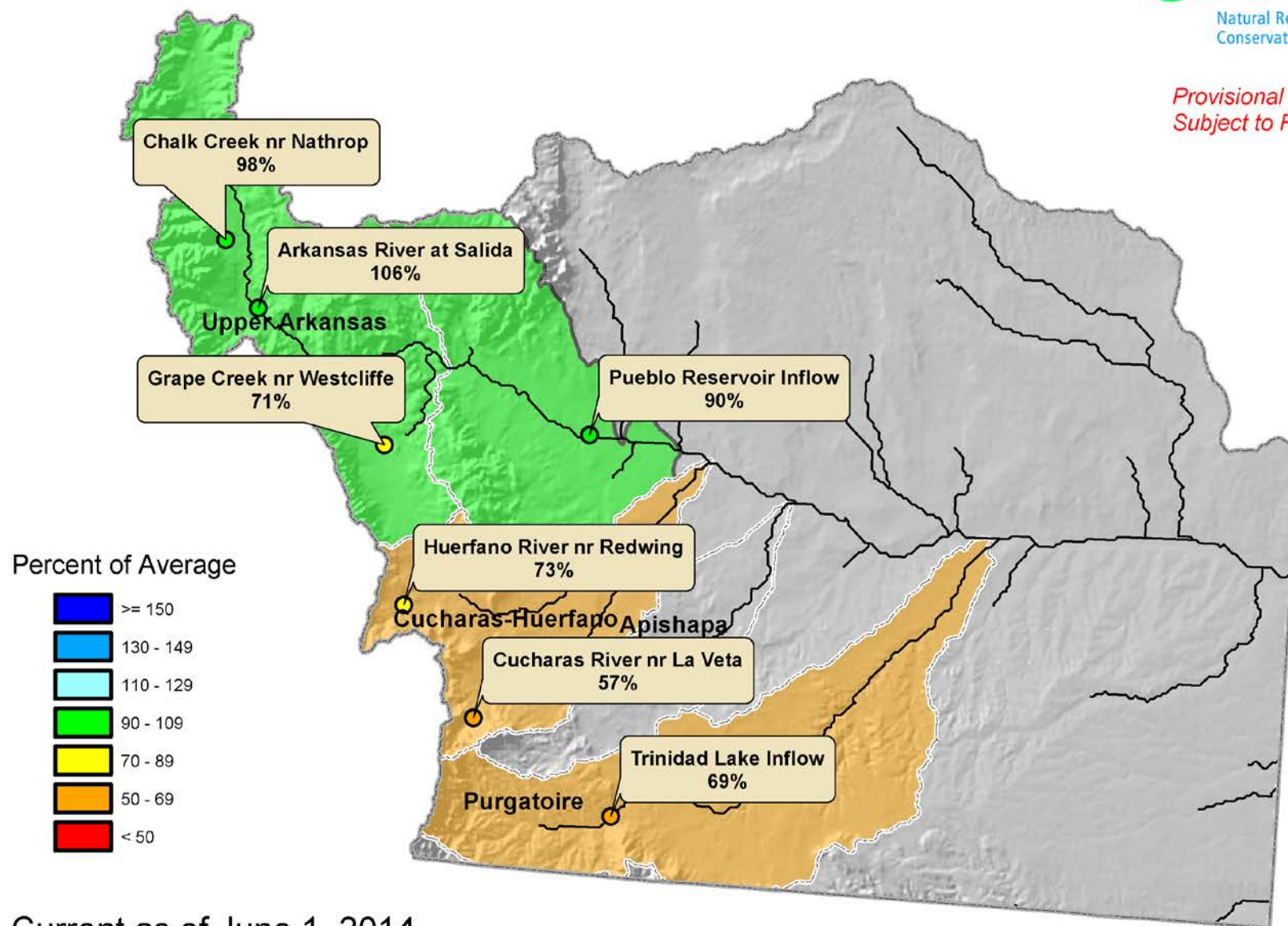
*Provisional Data  
Subject to Revision*



End of June 2014

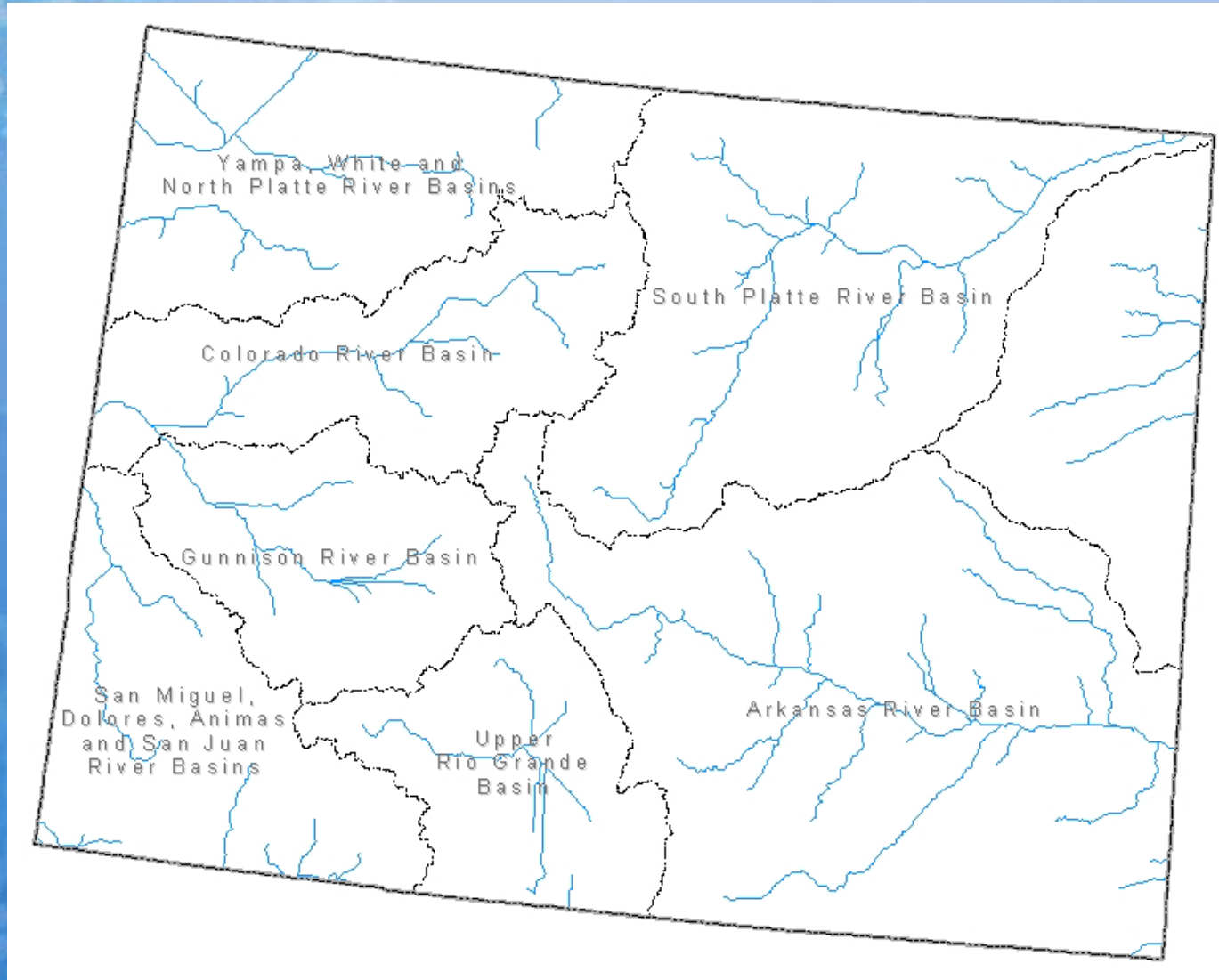
# Arkansas River Basin Streamflow Forecast Map

*Provisional Data  
Subject to Revision*



Current as of June 1, 2014

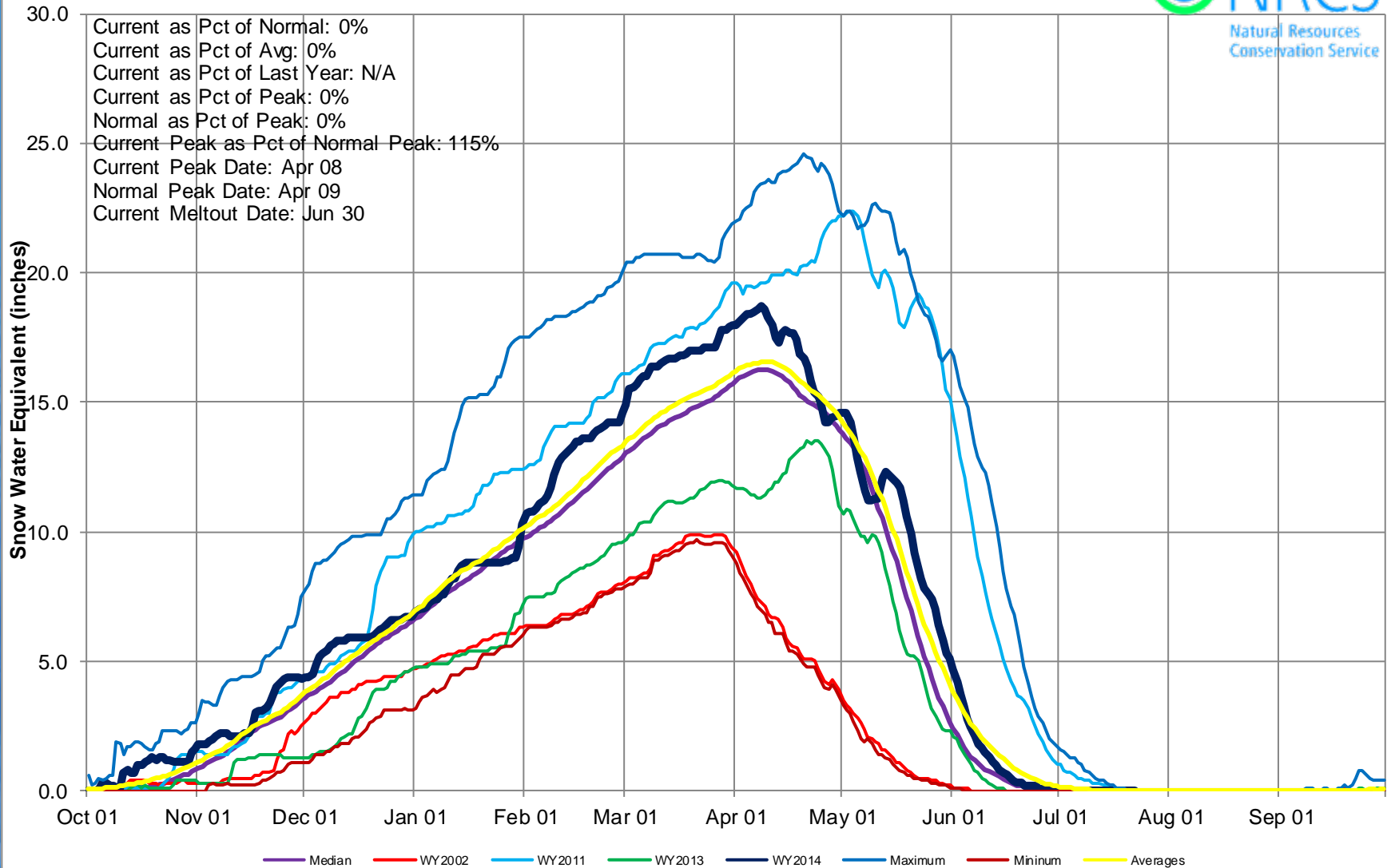
# Colorado Statewide Summary





## Colorado Statewide High/Low Snowpack Summary

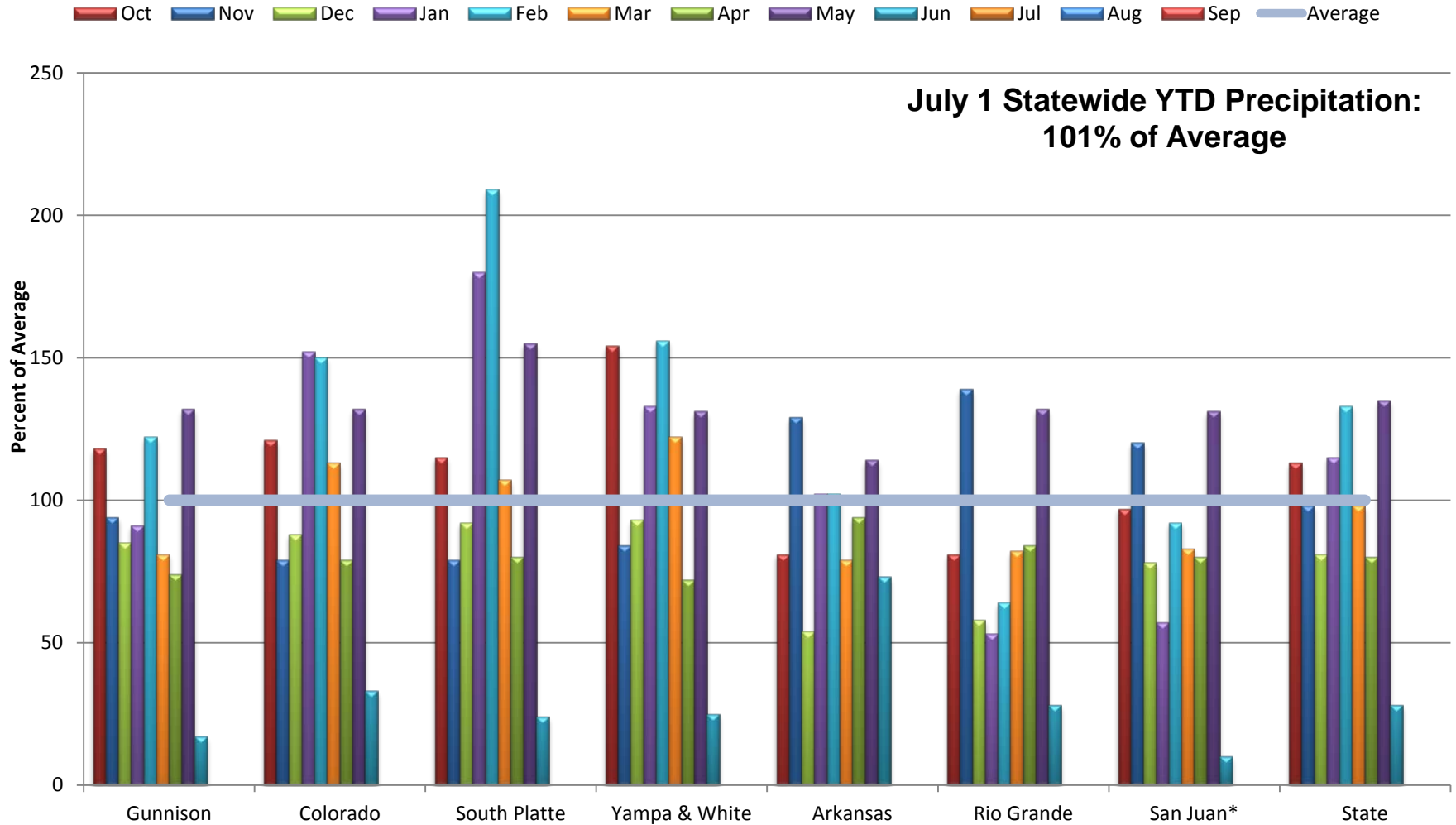
Based on Provisional SNOTEL data as of Jul 22, 2014





# Colorado Monthly Precipitation Summary for WY2014

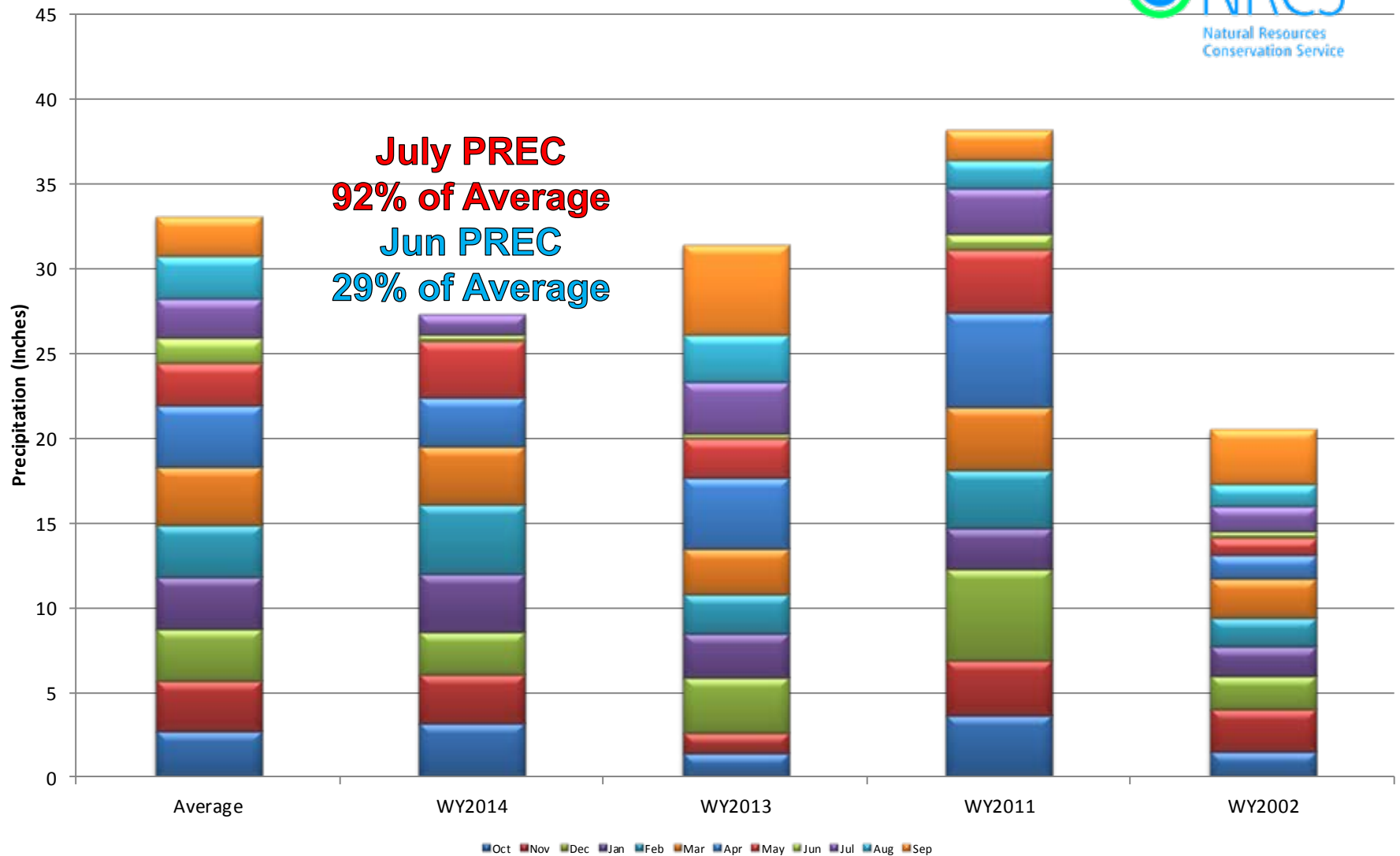
USDA Natural Resources Conservation Service



\*Includes Animas, Dolores, San Miguel Basins

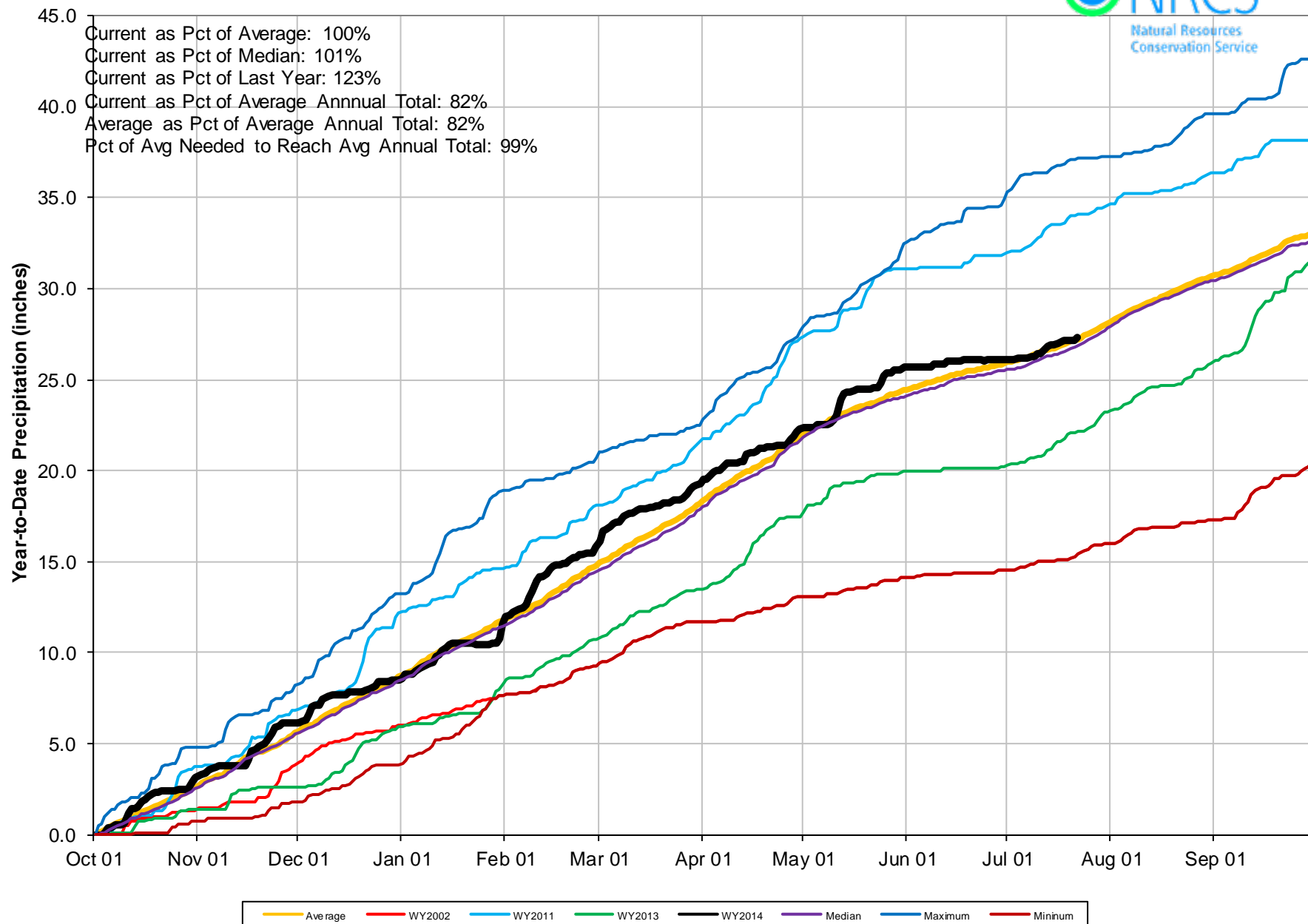
## Colorado Statewide High/Low Monthly Precipitation Summary

*Based on Provisional SNOTEL data as of Jul 22, 2014*



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

*Based on Provisional SNOTEL data as of Jul 22, 2014*

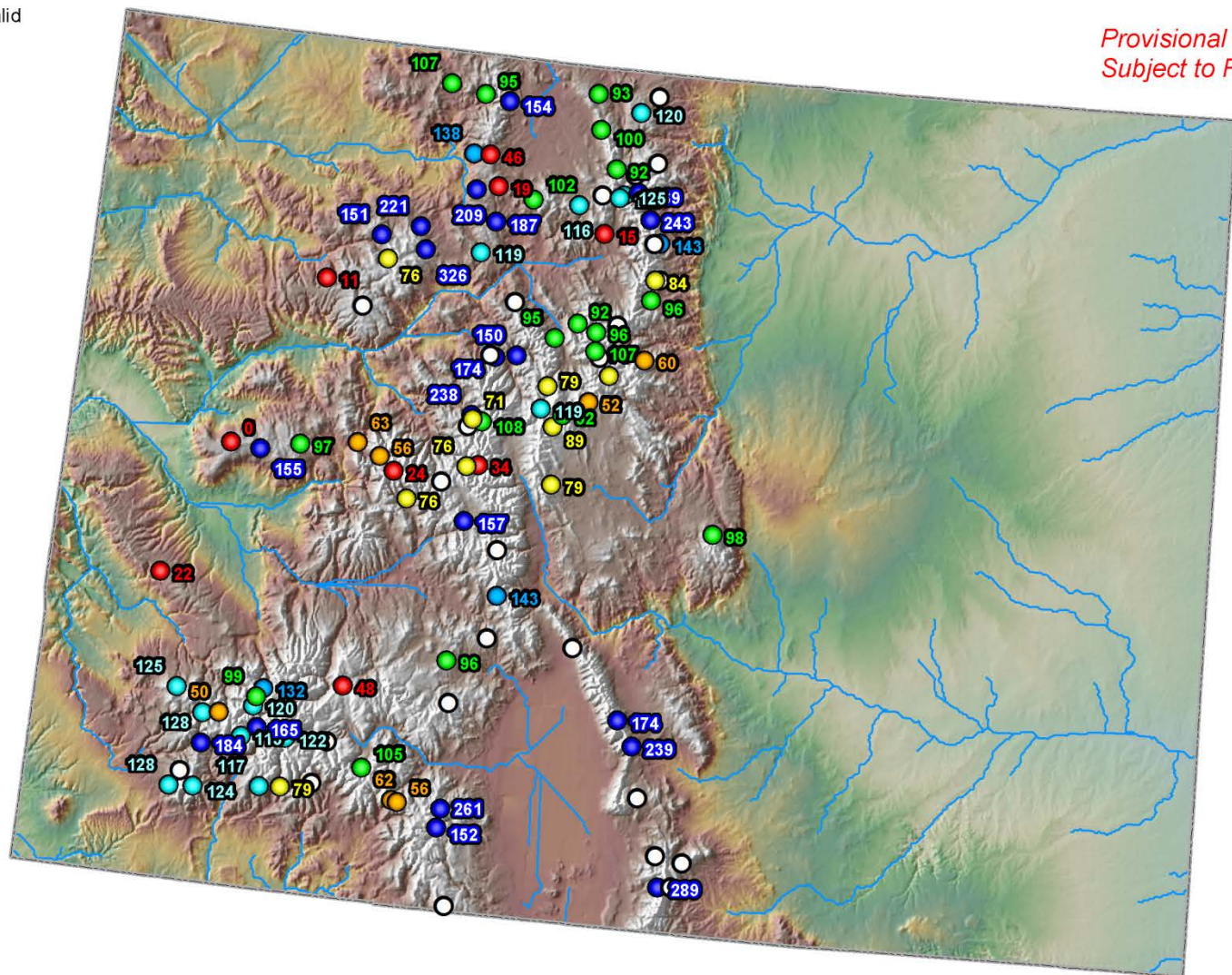


# Colorado SNOTEL Month-to-Date Precipitation

Percent of Average

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

*Provisional Data  
Subject to Revision*

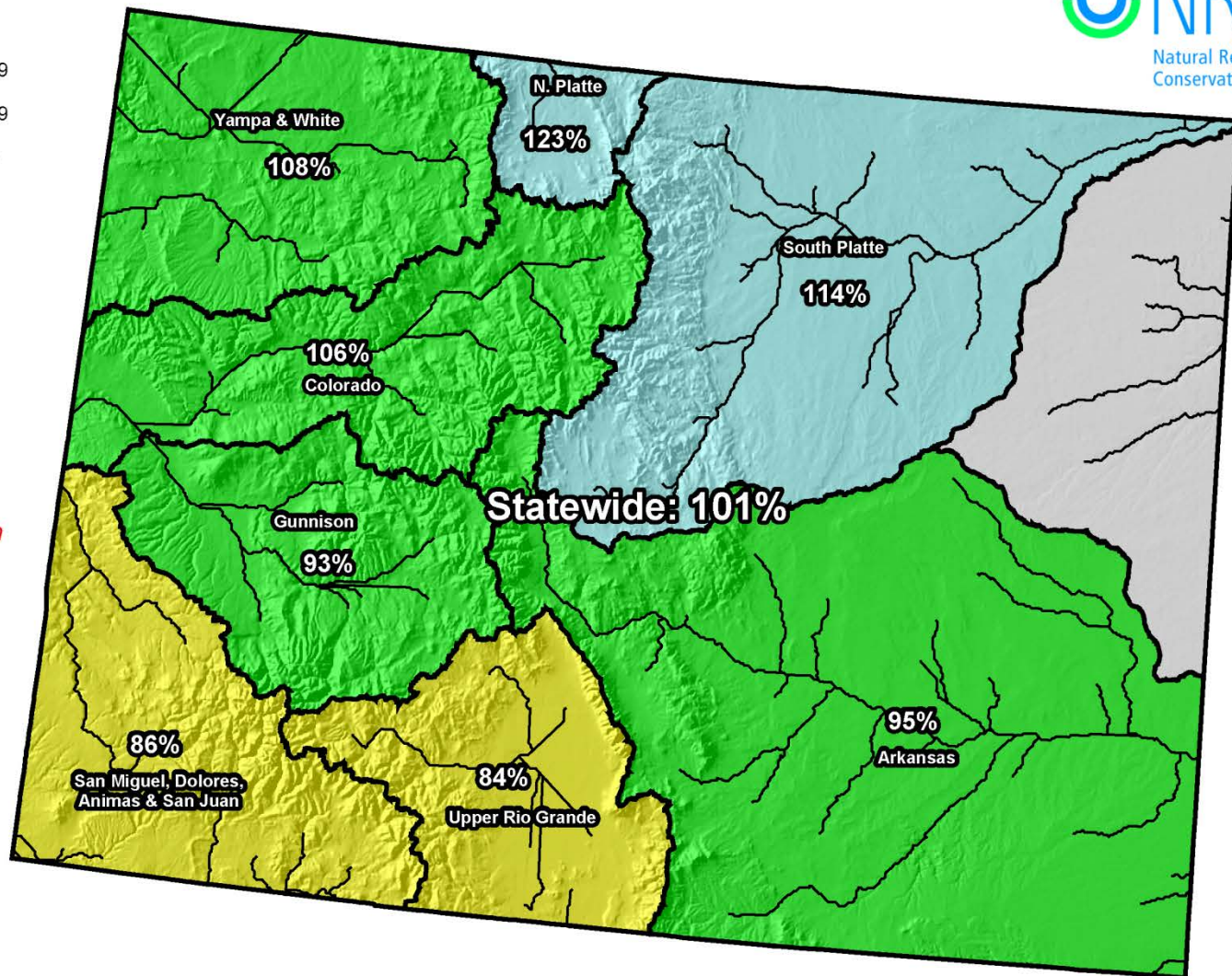
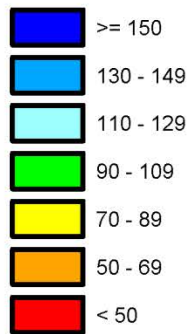


Current as of 07 22, 2014



# Colorado SNOTEL Water Year-to-Date Precipitation Update Map

Percent of Average



*Provisional Data  
Subject to Revision*

Current as of 07/22/2014

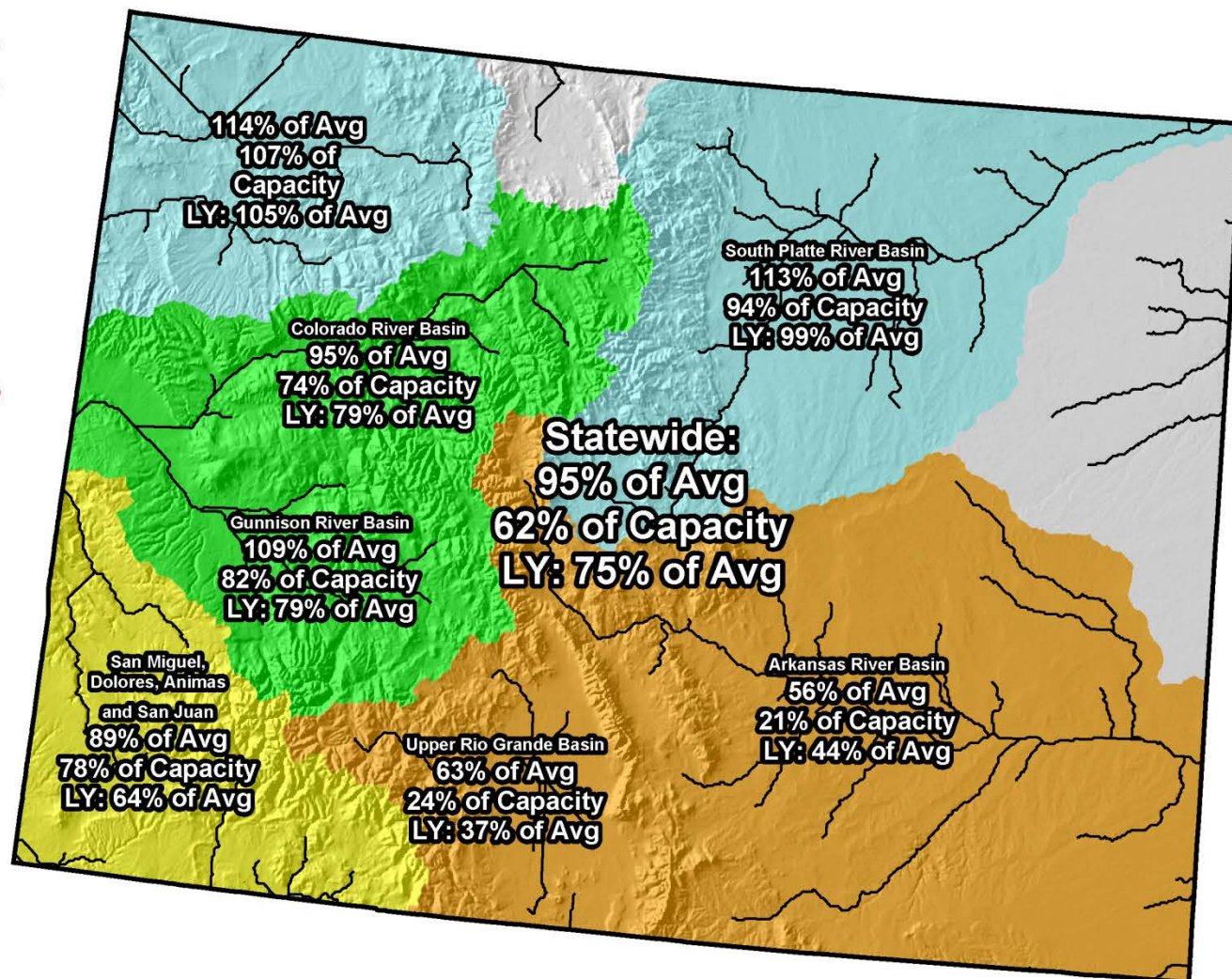


# Colorado Reservoir Storage Map

## Percent of Average



*Provisional Data  
Subject to Revision*



End of May 2014

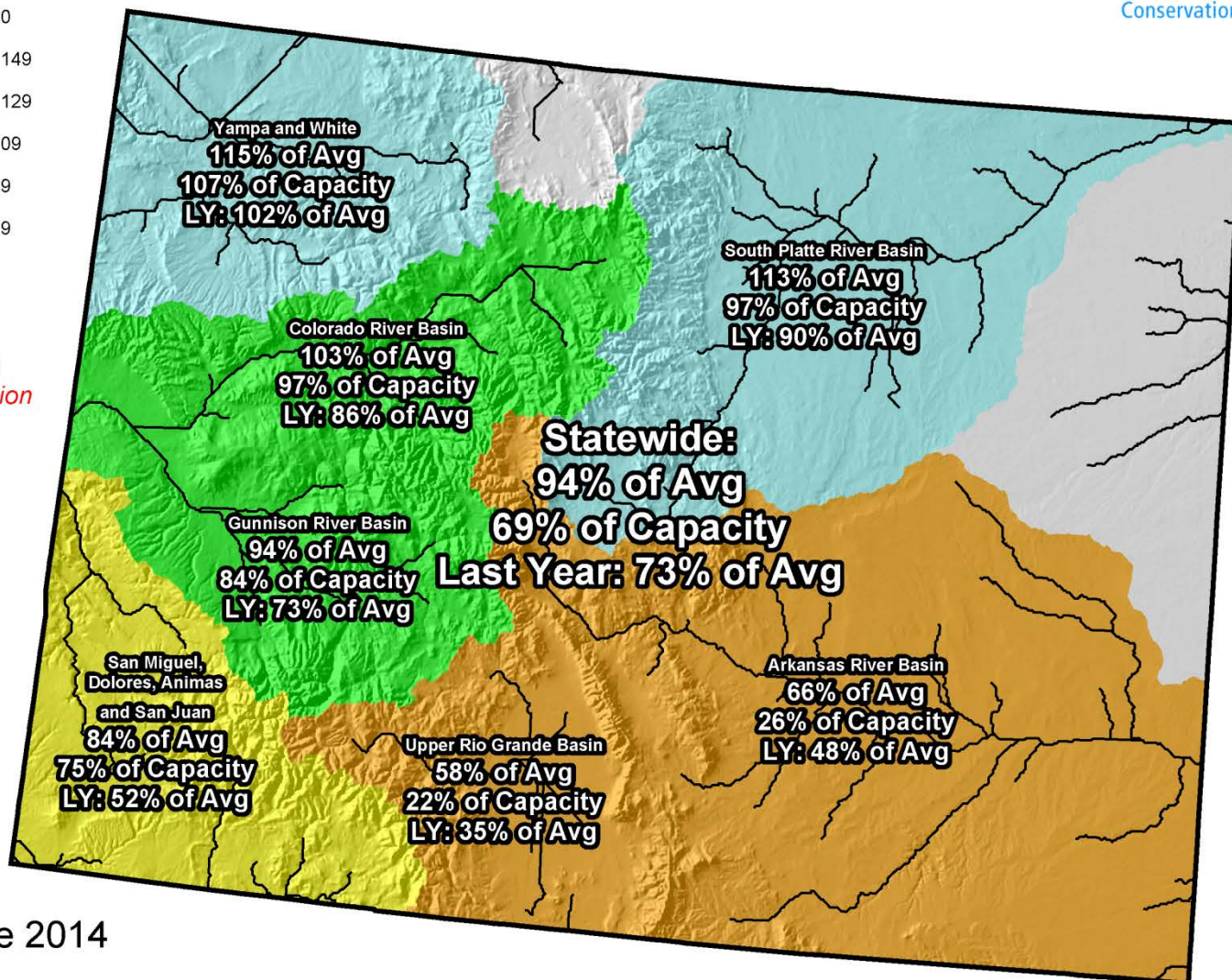


# Colorado Reservoir Storage Map

## Percent of Average



*Provisional Data  
Subject to Revision*

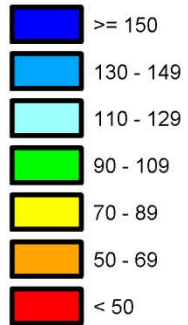


End of June 2014

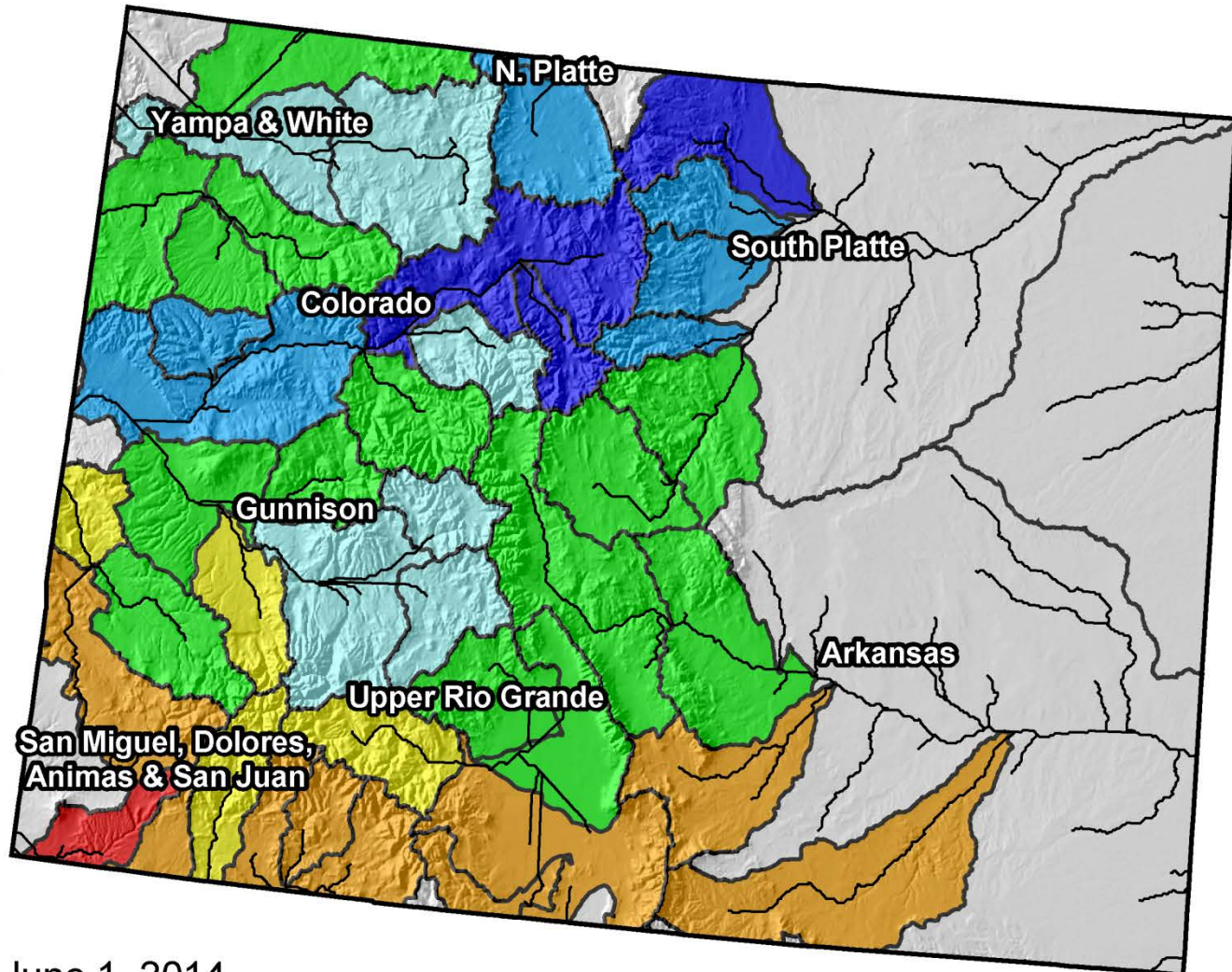


# Colorado Streamflow Forecast Map

## Percent of Average



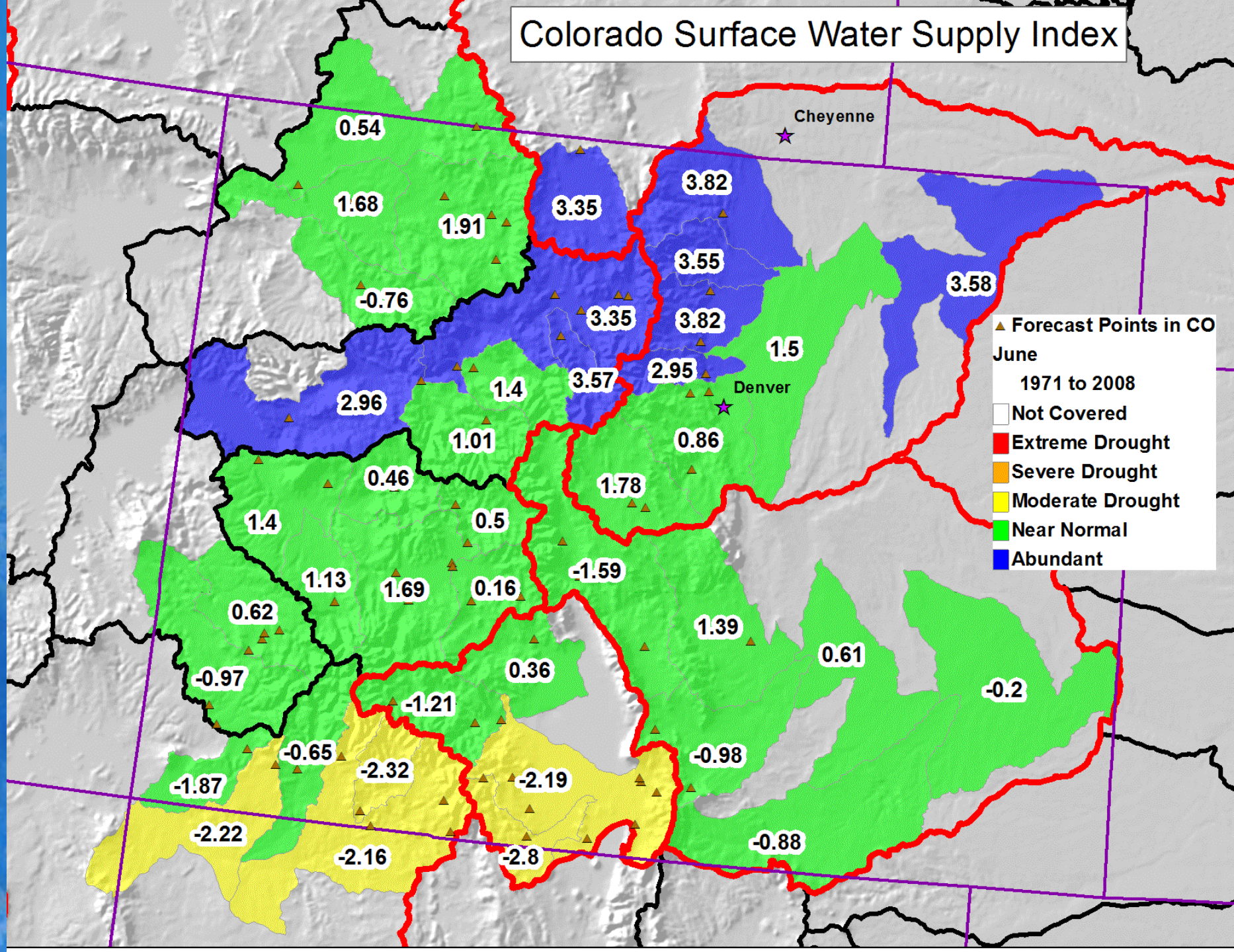
*Provisional Data  
Subject to Revision*



Current as of June 1, 2014

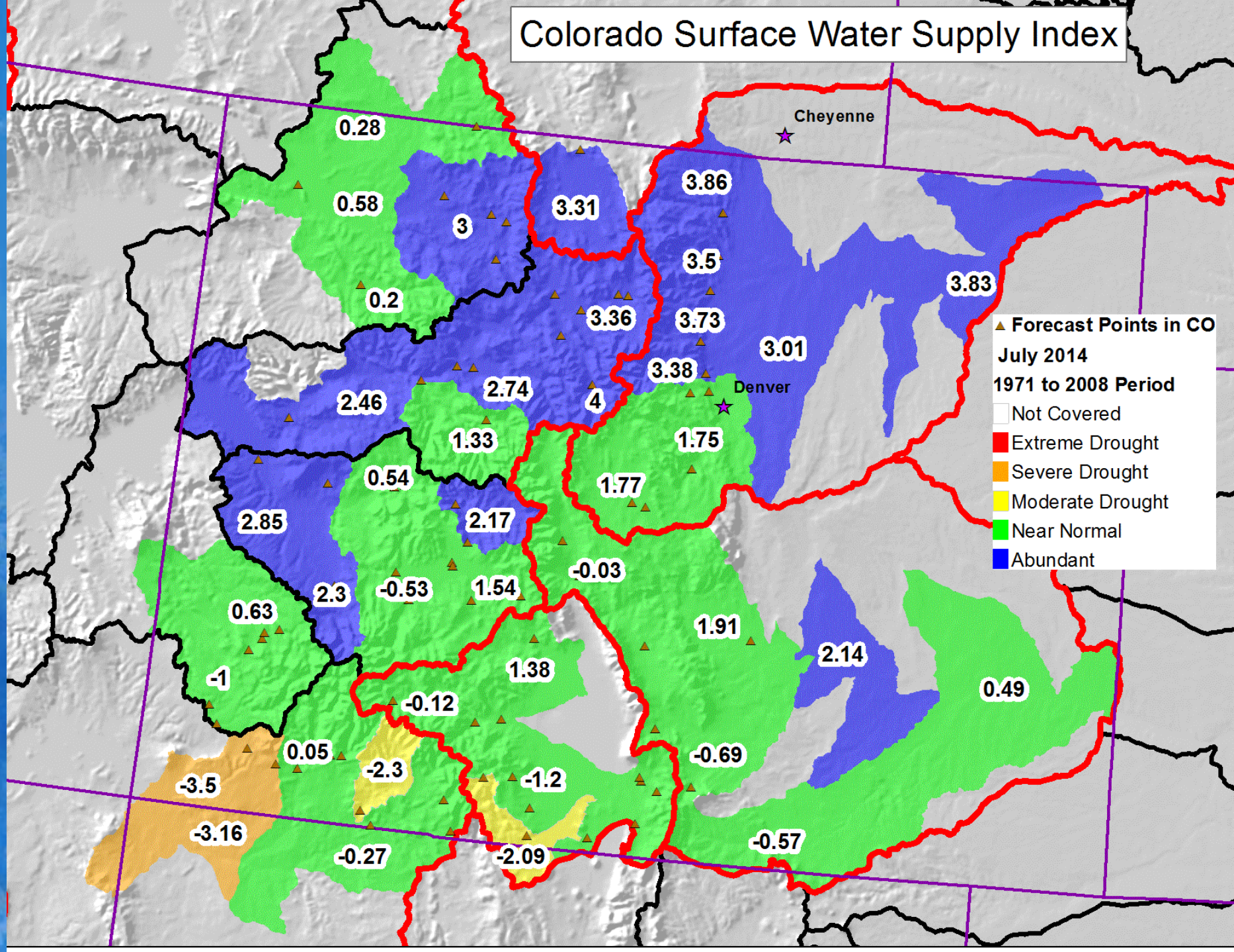


# Colorado Surface Water Supply Index





# Colorado Surface Water Supply Index





# Summary

- At a minimum of a 1.1 inches of precip averaged among all SNOTEL is each basin only the Arkansas exceeded 1 inch of precip through out June only obtaining 75% of total June Precip
- July mountain precip so far is better at this point than it was in June currently with only the Arkansas and the Upper Rio Grande at better than 100% of month-to-date precip.
- SWSIs remained close to last months values with slight increases at various locations and a few drops in SWSIs

# Water Availability Task Force Meeting

## July 23<sup>rd</sup>, 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/>