

# Water Availability Task Force Meeting

## June 18<sup>th</sup>, 2014

### NRCS Snow Survey and Water Supply Forecasting Program

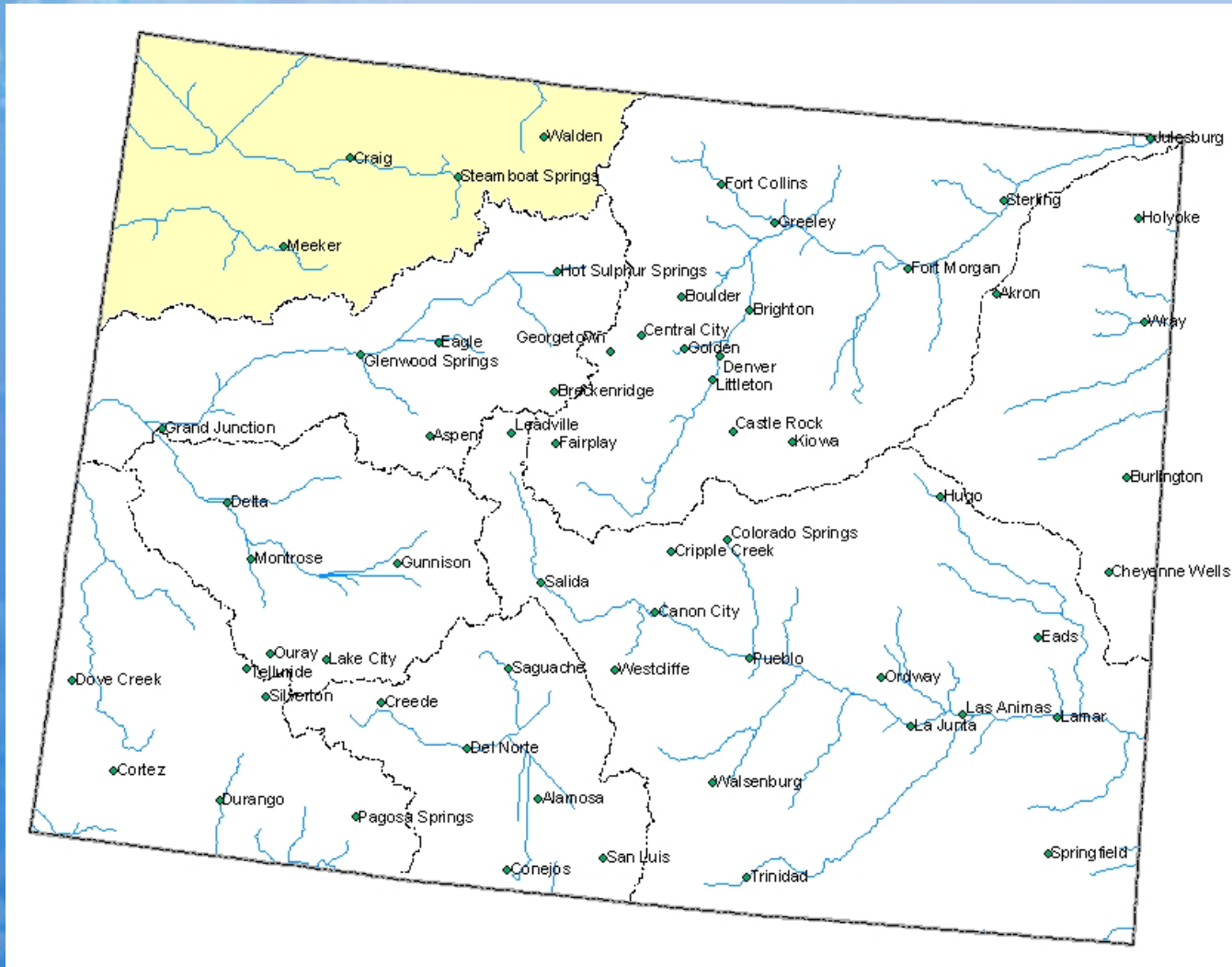
Brian Domonkos

Colorado Snow Survey Supervisor

303-524-2521

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

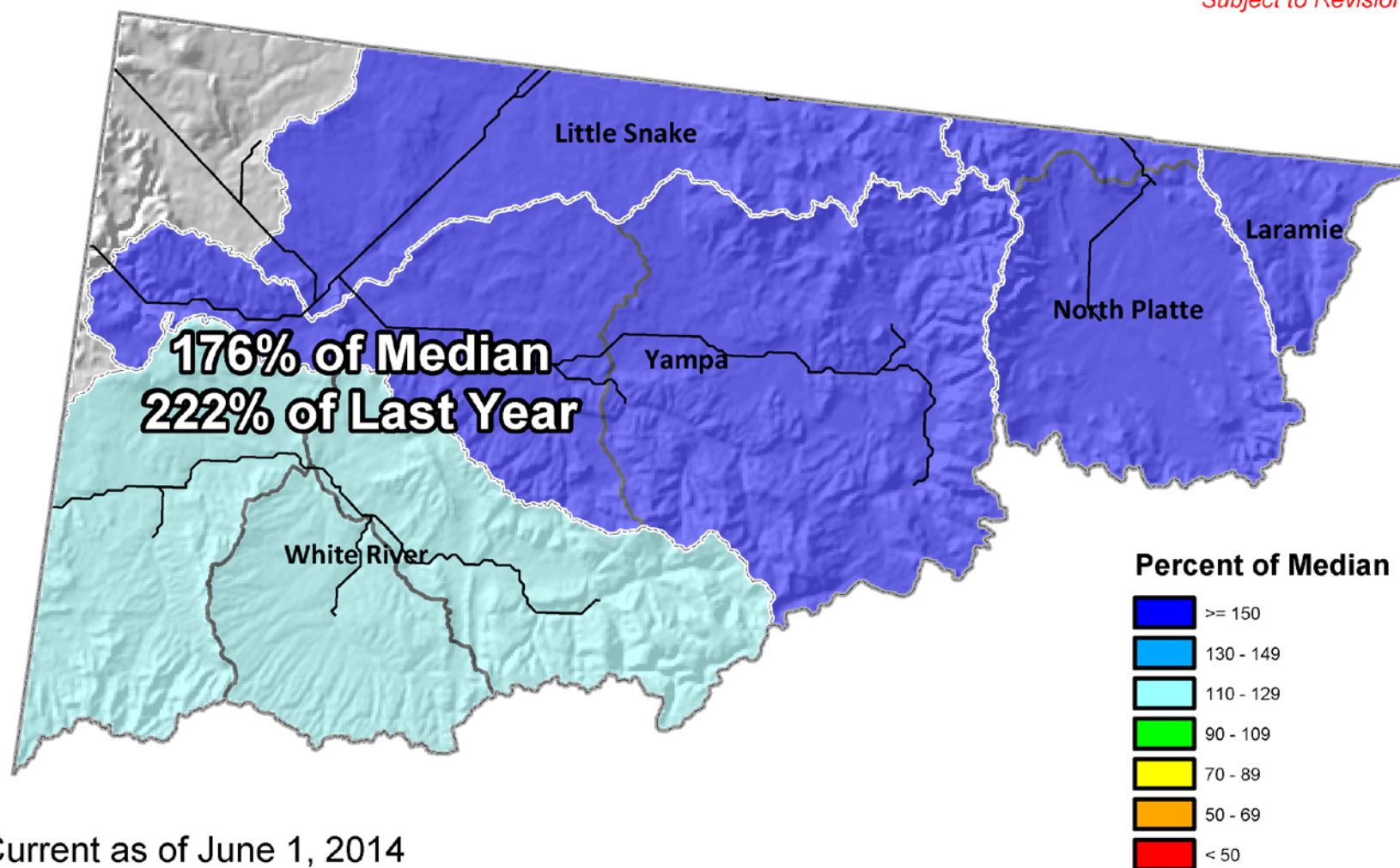
# Yampa, White & North Platte River Basins Summary



# Yampa, White and North Platte River Basins Snowpack Map



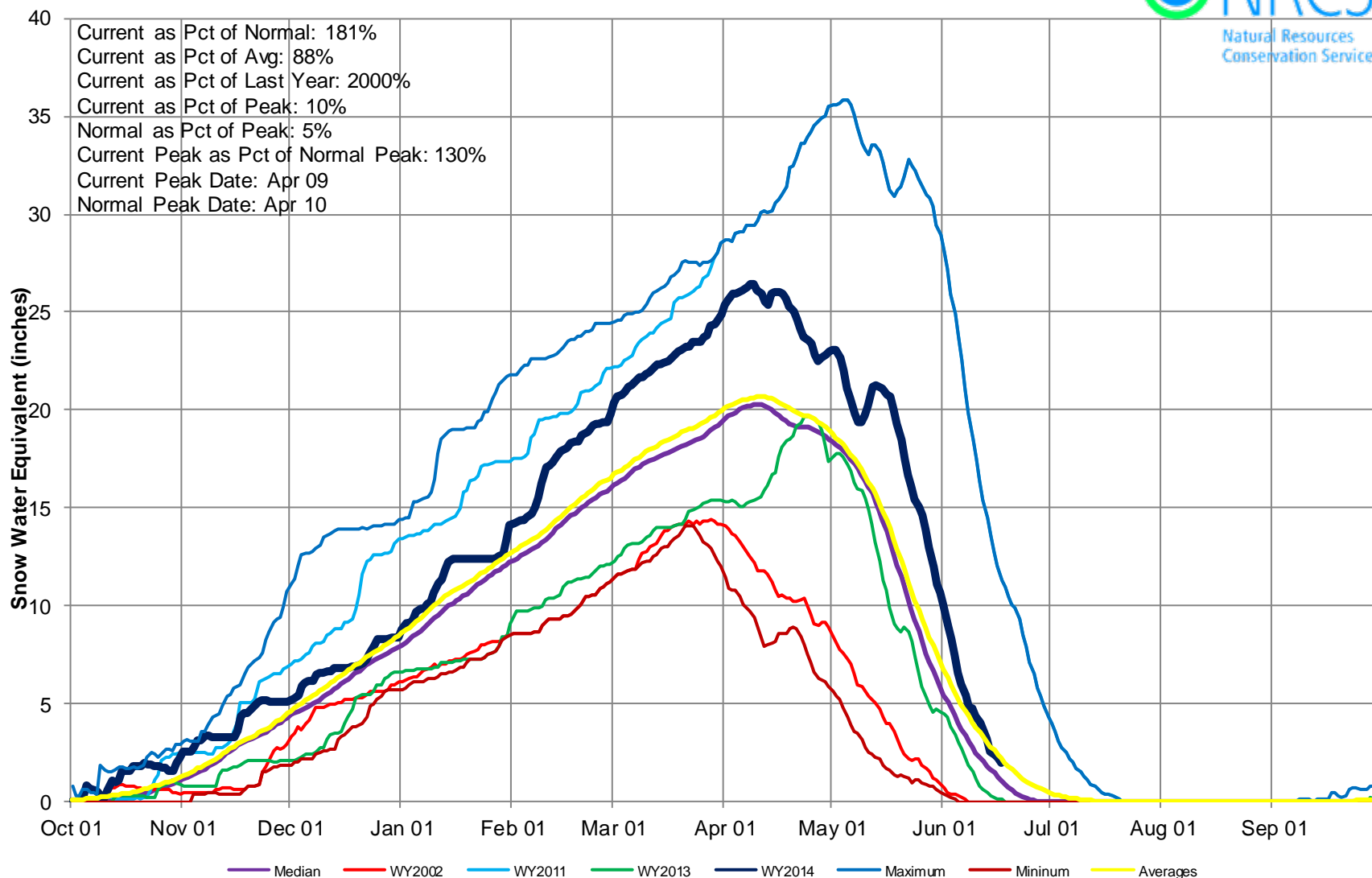
*Provisional Data  
Subject to Revision*



Current as of June 1, 2014

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

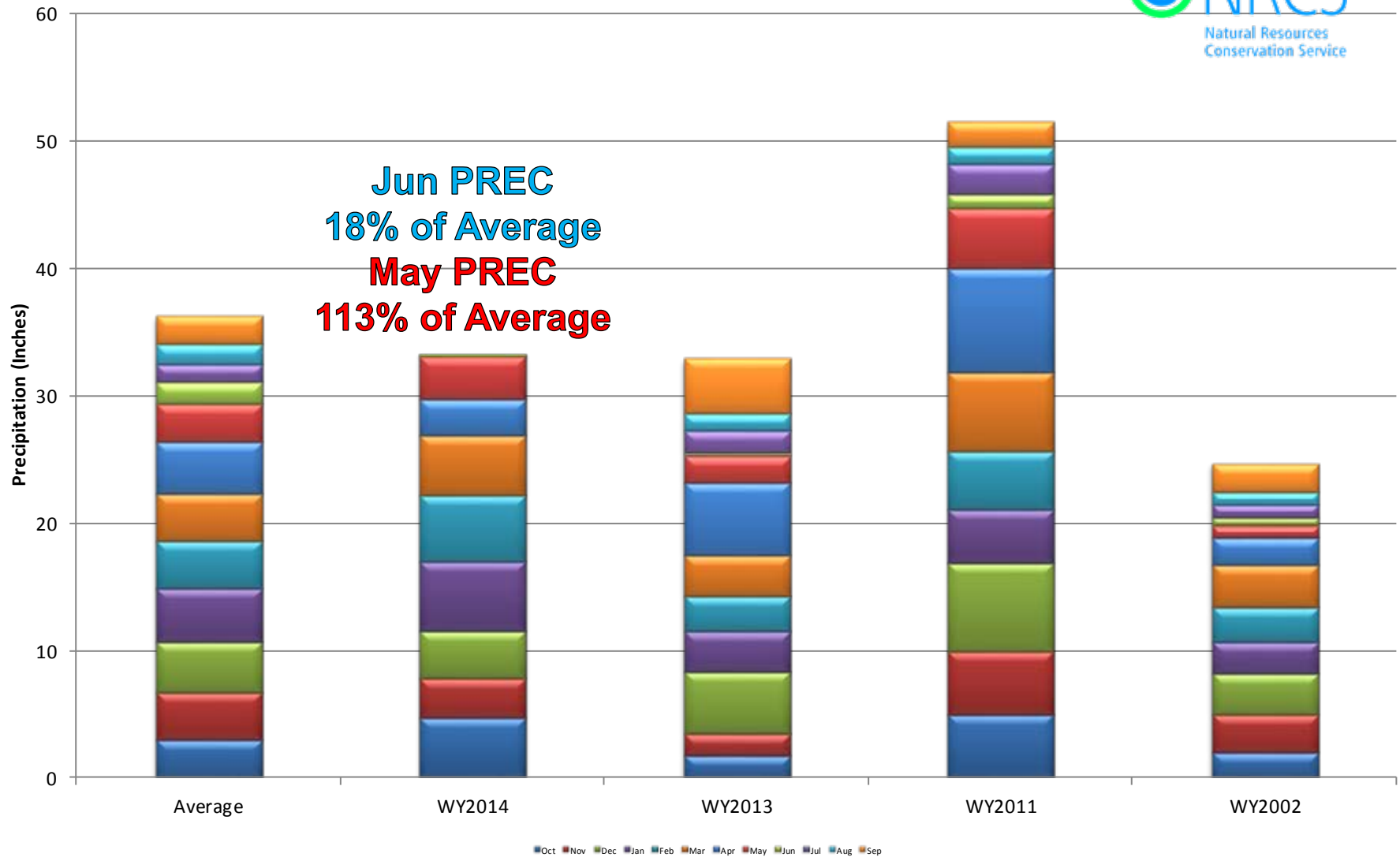
Based on Provisional SNOTEL data as of Jun 17, 2014





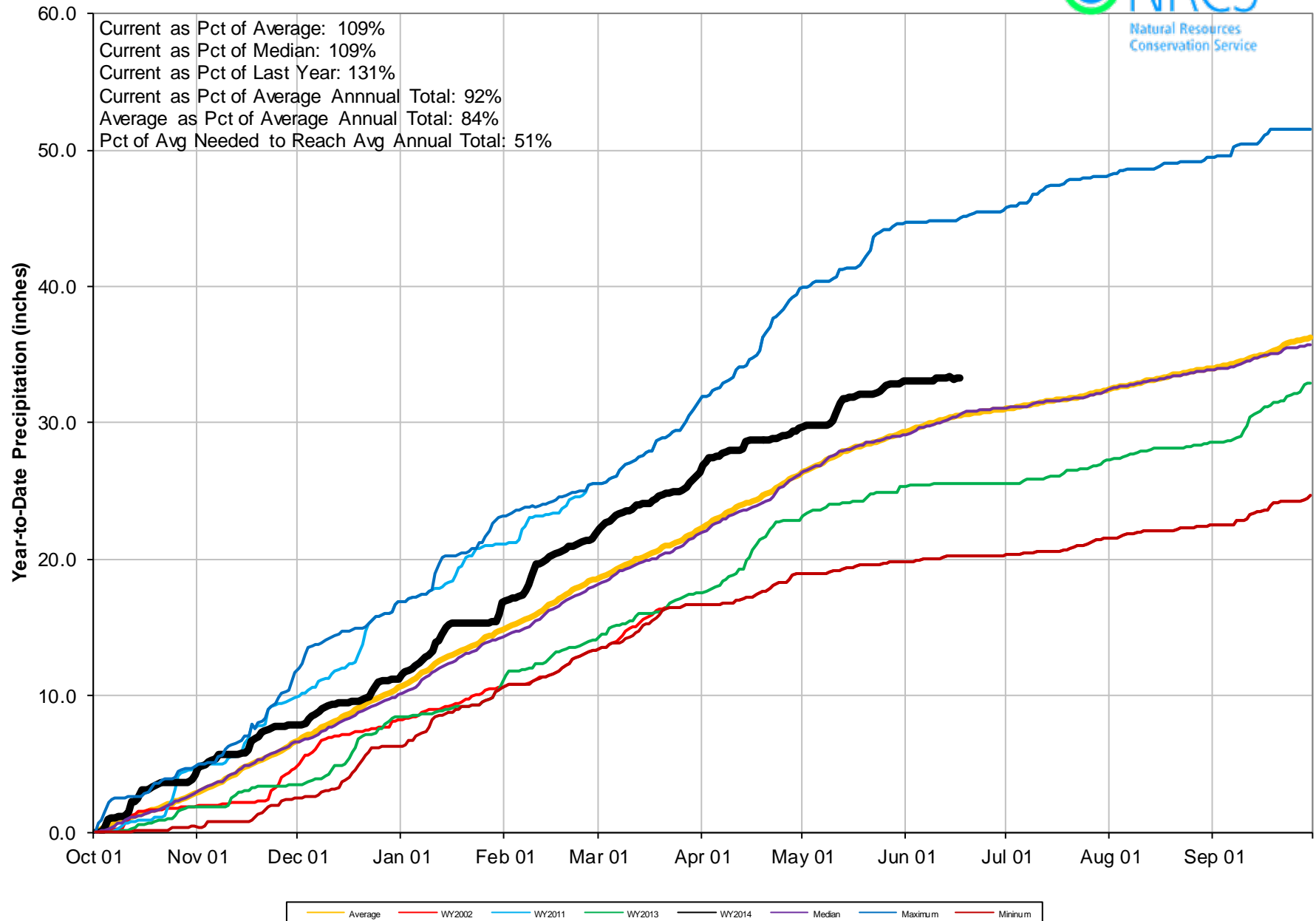
## Yampa & White River Basins High/Low Monthly Precipitation Summary

*Based on Provisional SNOTEL data as of Jun 17, 2014*



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

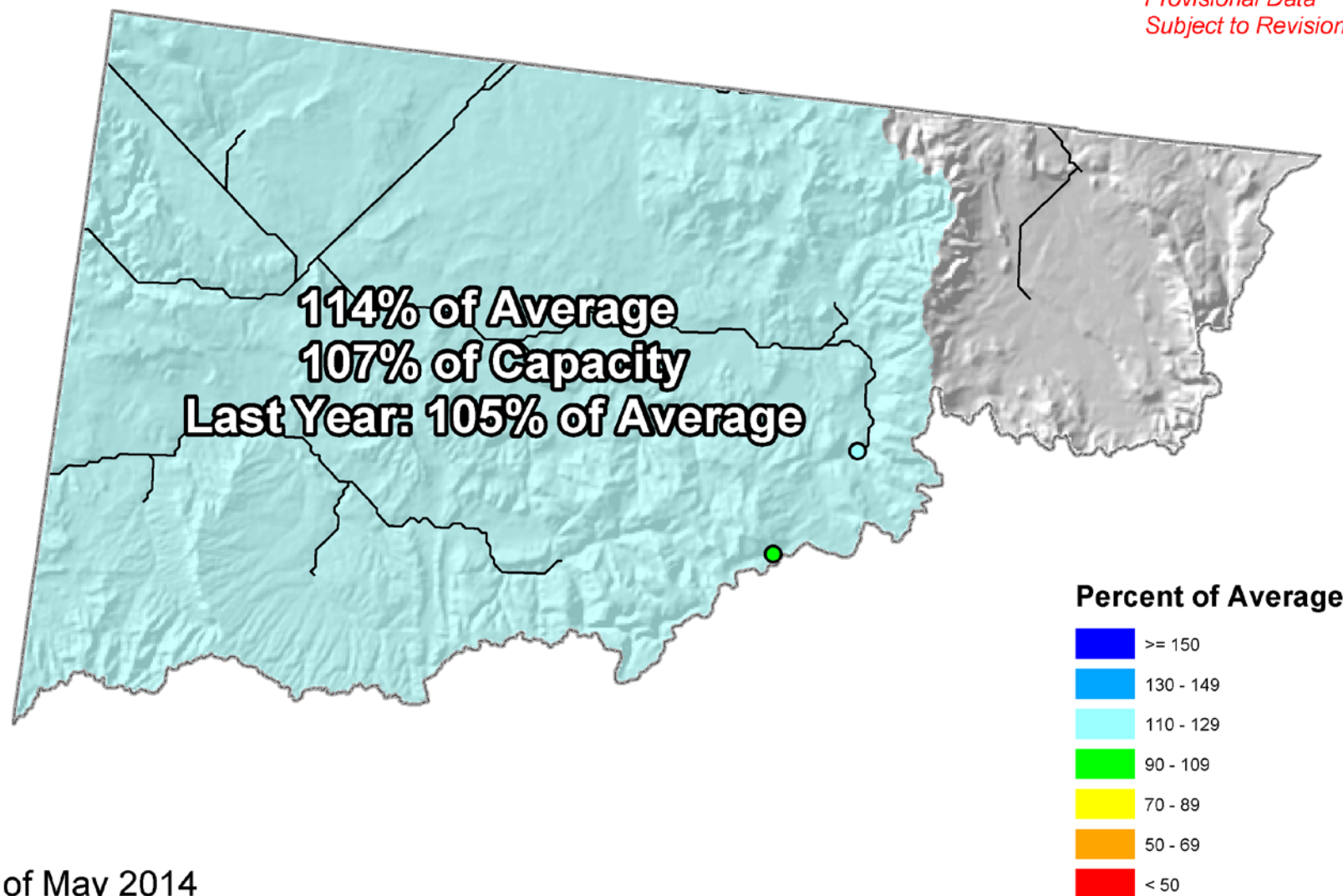
*Based on Provisional SNOTEL data as of Jun 17, 2014*



# Yampa & White River Basins Reservoir Storage Map



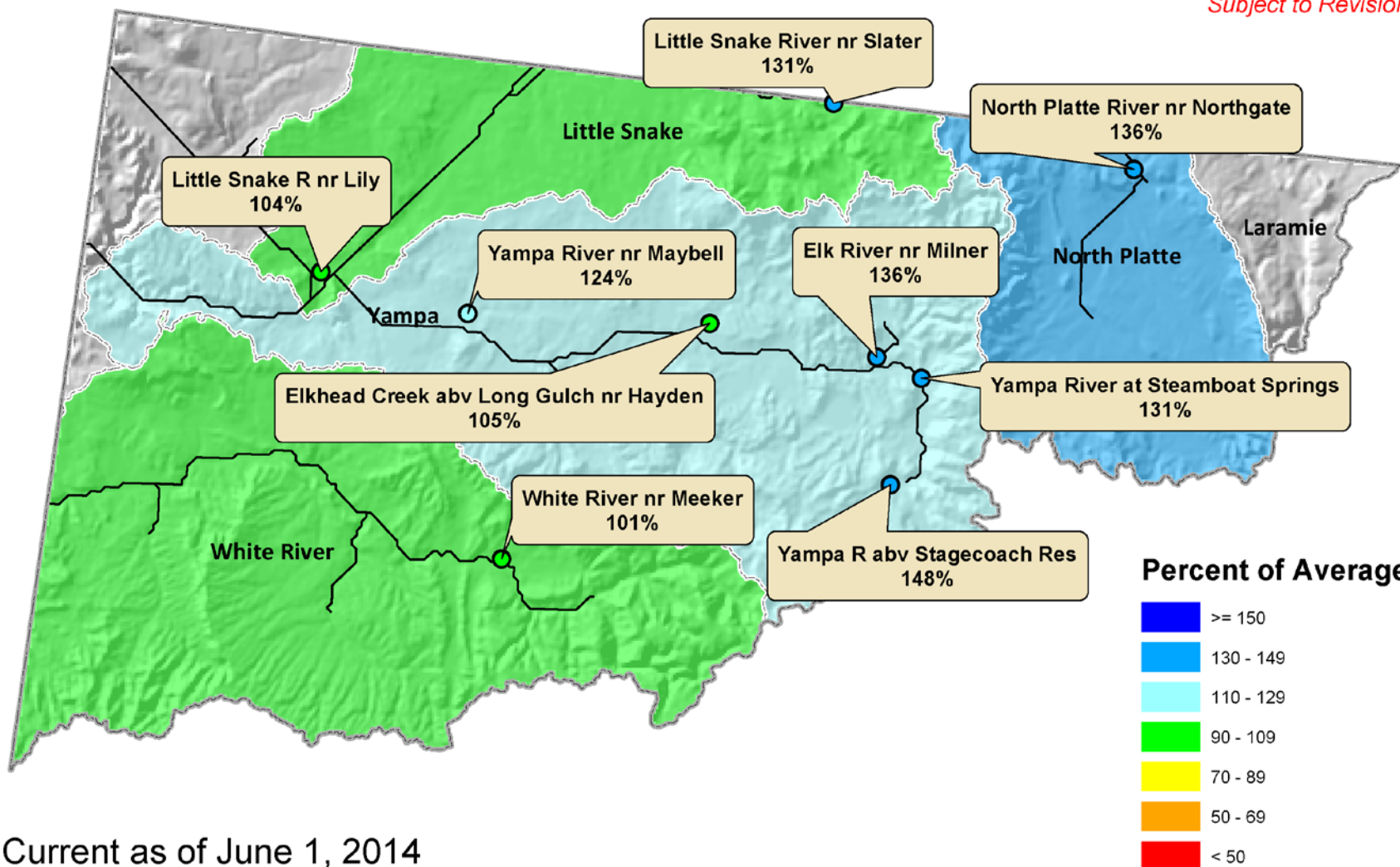
*Provisional Data  
Subject to Revision*



End of May 2014

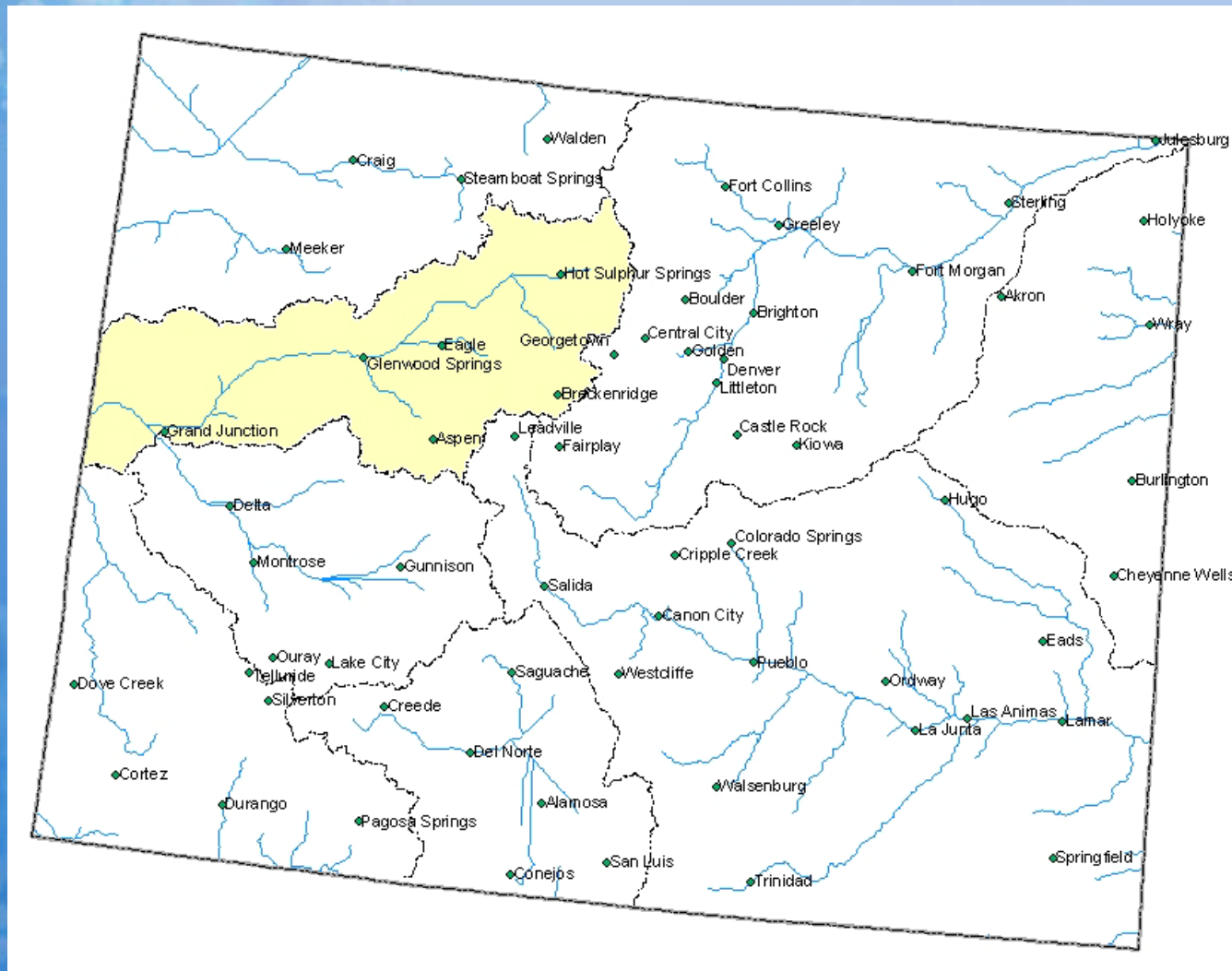
# Yampa, White and North Platte River Basins Streamflow Map

*Provisional Data  
Subject to Revision*



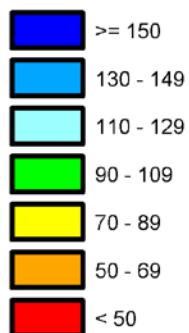


# Colorado River Basin Summary

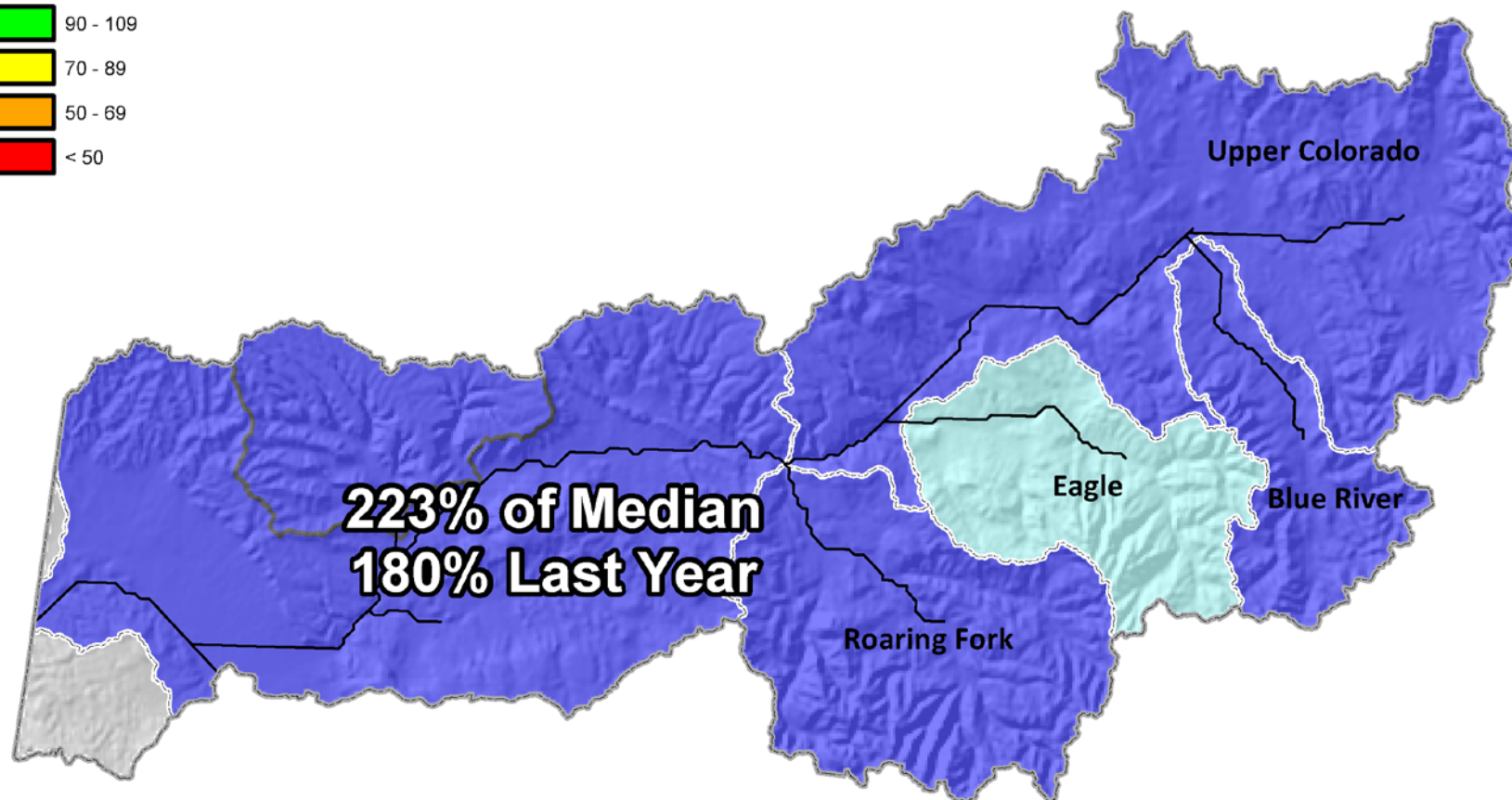


# Colorado River Basin Snowpack Map

## Percent of Median



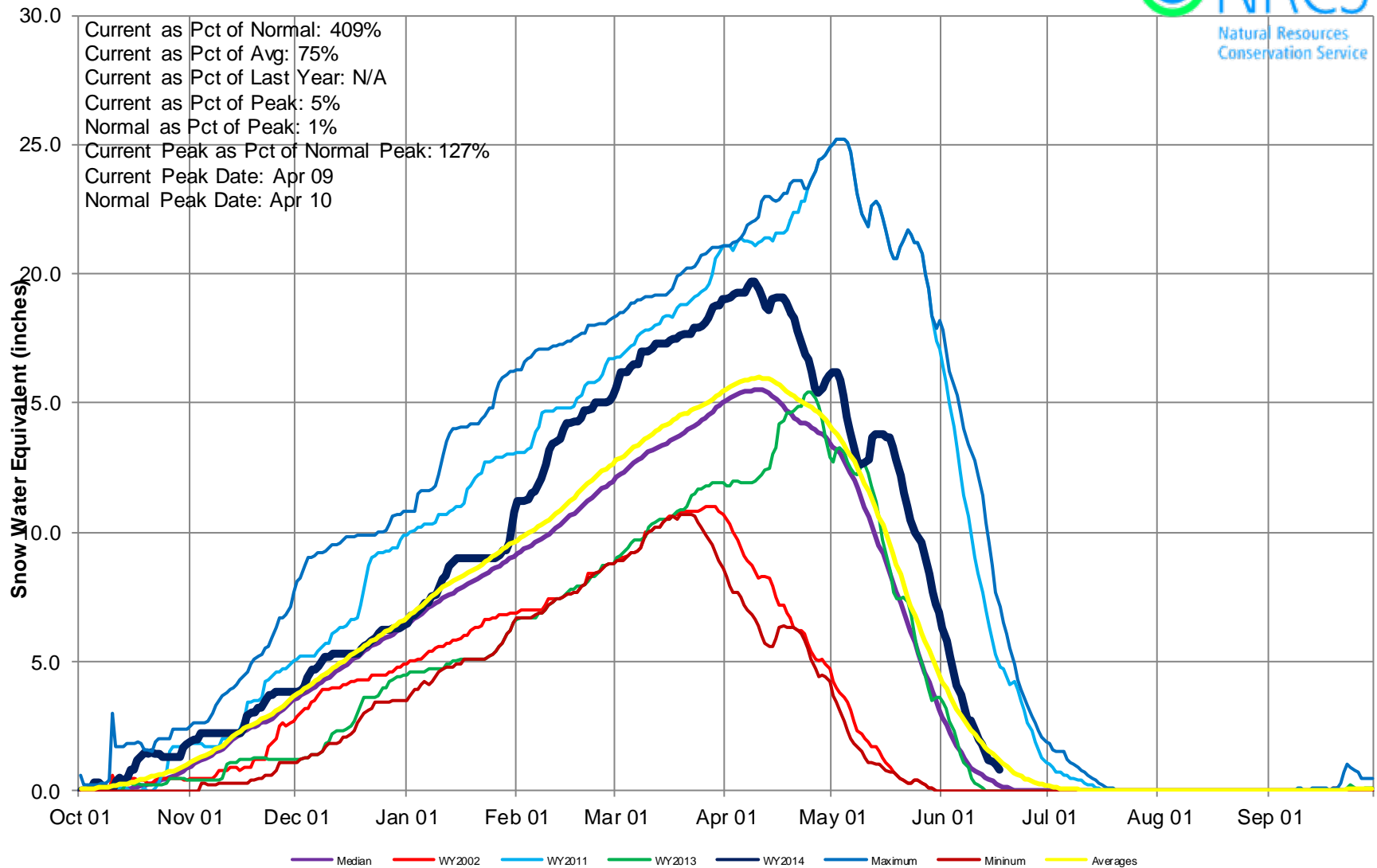
*Provisional Data  
Subject to Revision*



Current as of June 1, 2014

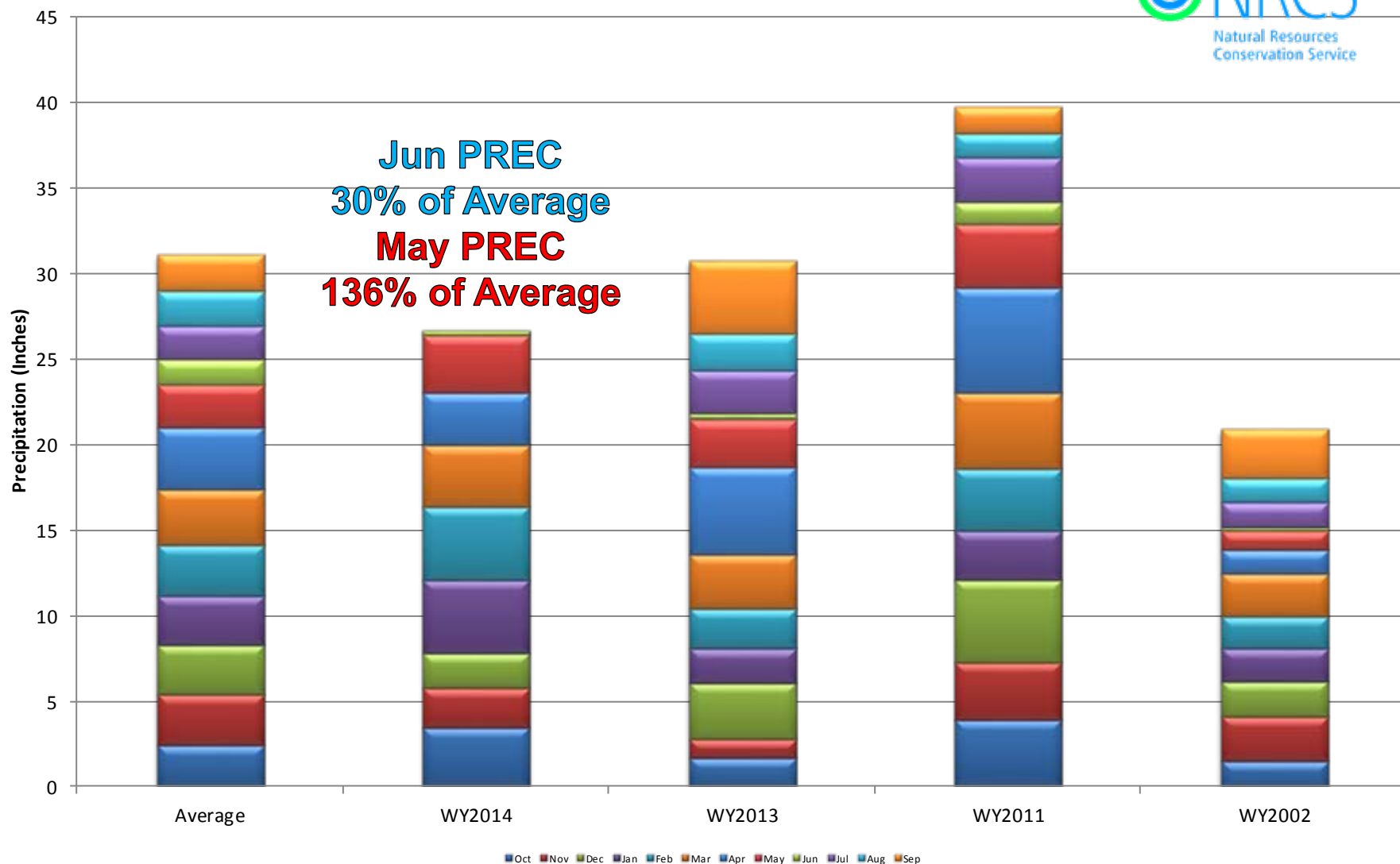
## Upper Colorado River Basin High/Low Snowpack Summary

*Based on Provisional SNOTEL data as of Jun 17, 2014*



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

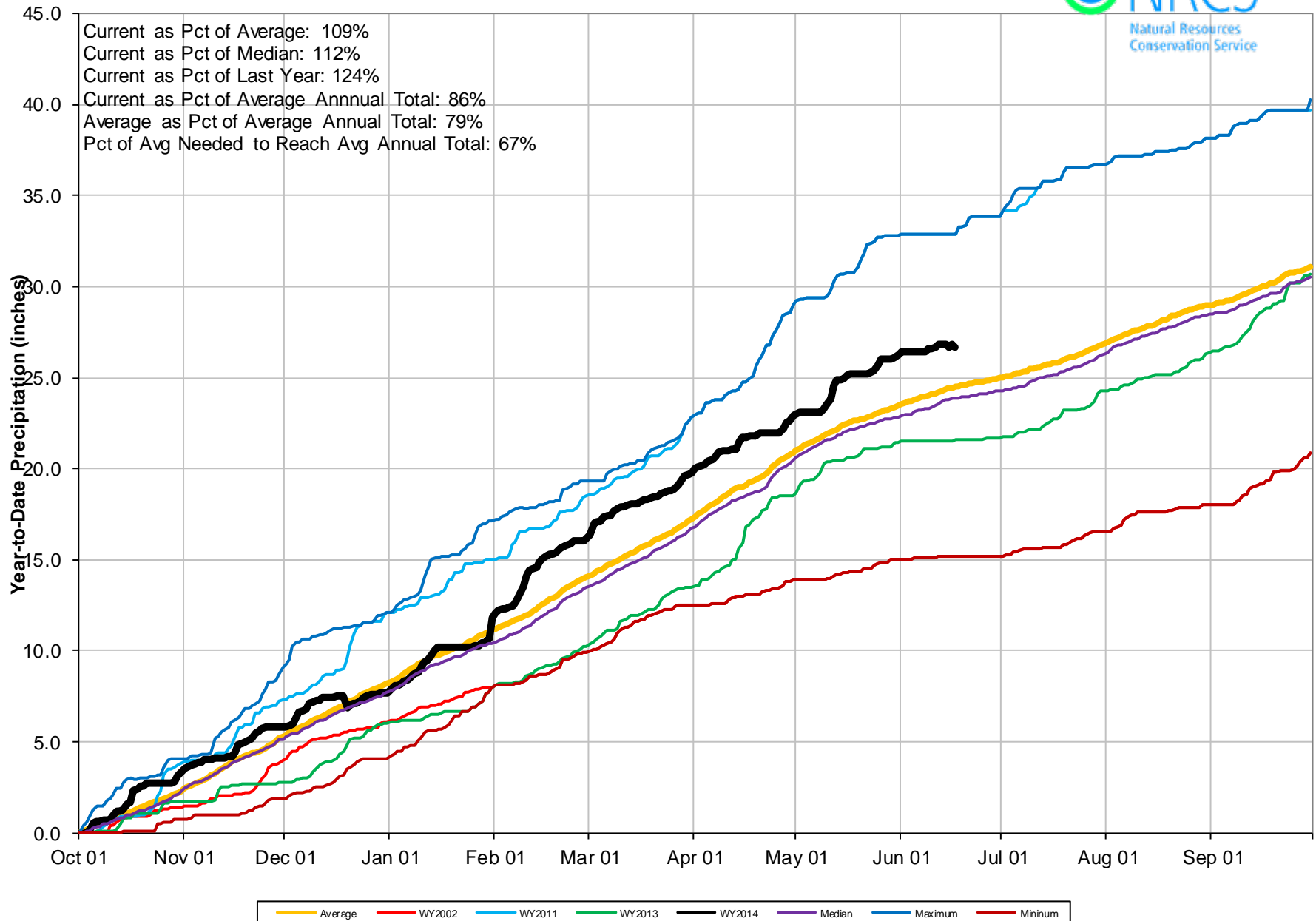
*Based on Provisional SNOTEL data as of Jun 17, 2014*





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

*Based on Provisional SNOTEL data as of Jun 17, 2014*

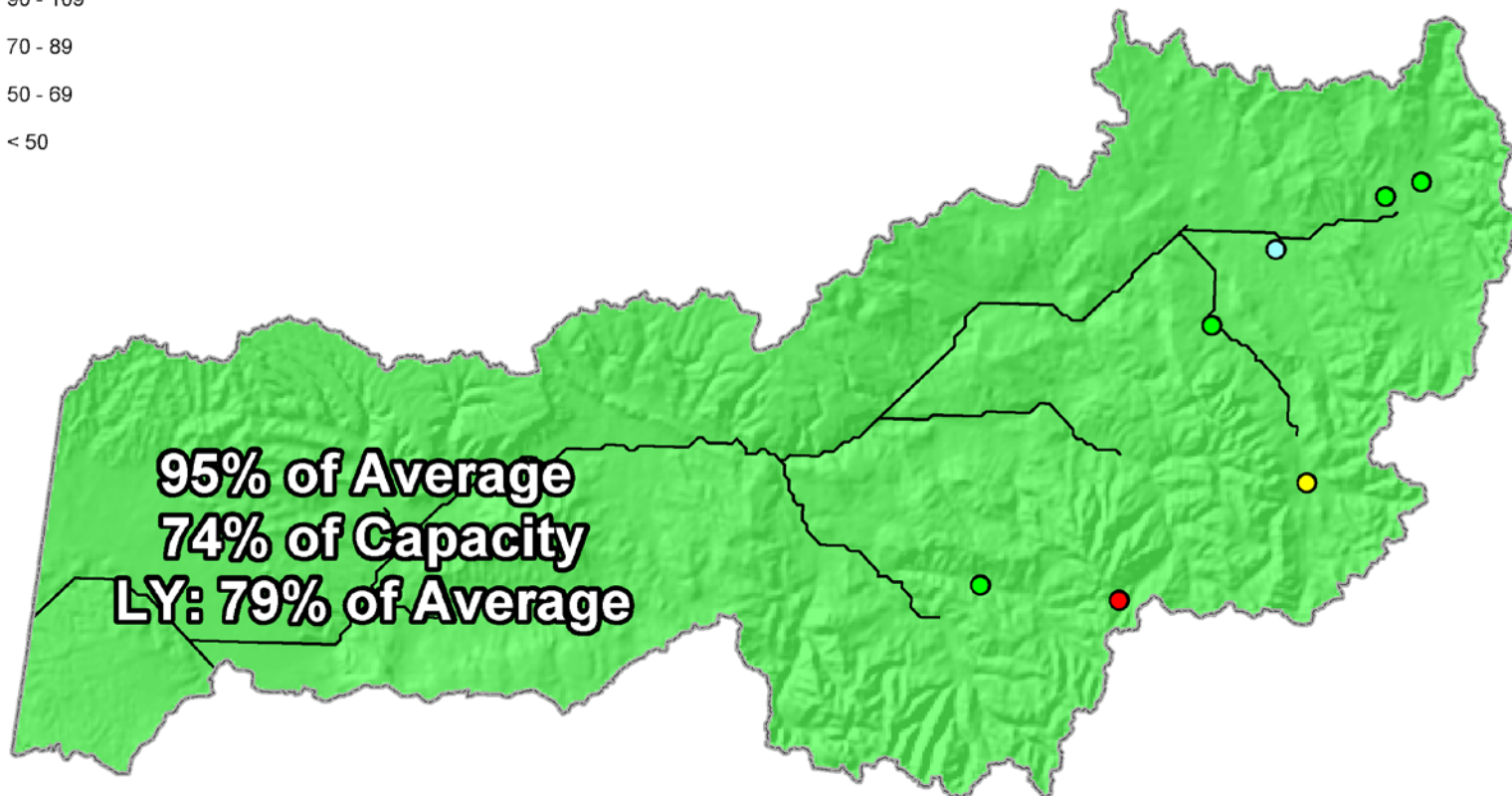


# Colorado River Basin Reservoir Storage Map

## Percent of Average



*Provisional Data  
Subject to Revision*



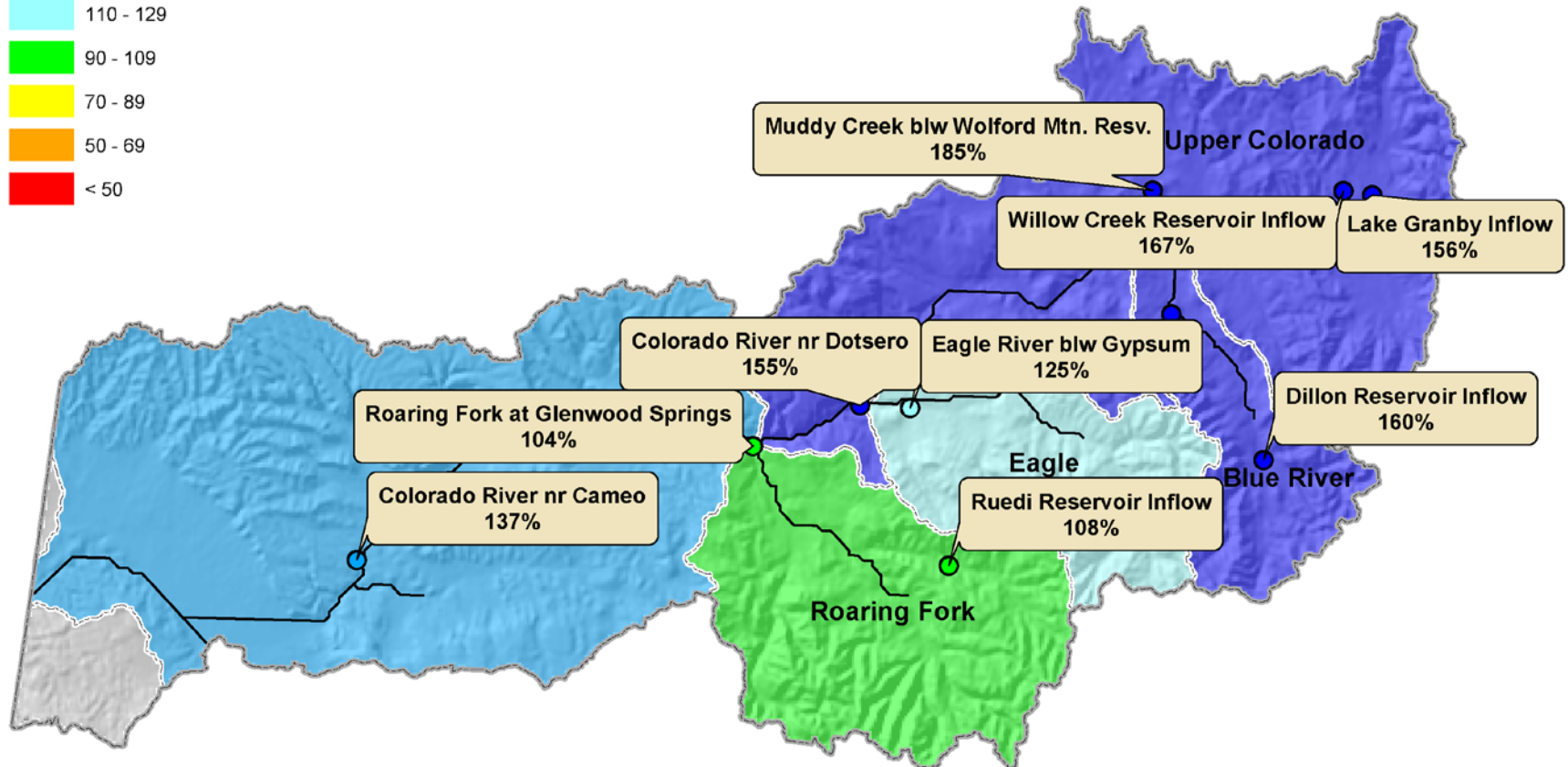
End of May 2014

# Colorado River Basin Streamflow Forecast Map

## Percent of Average

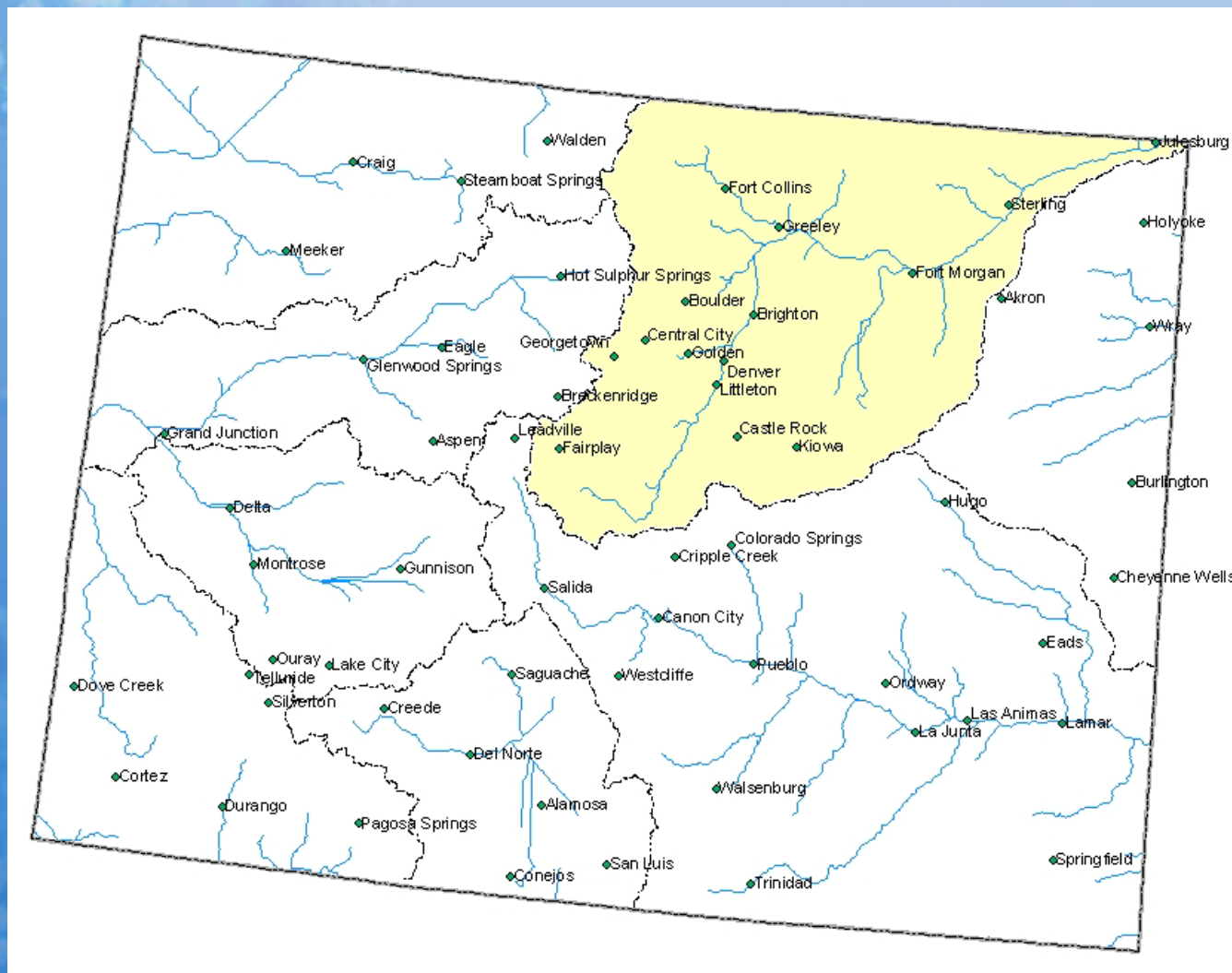


*Provisional Data  
Subject to Revision*



Current as of June 1, 2014

# South Platte River Basin Summary

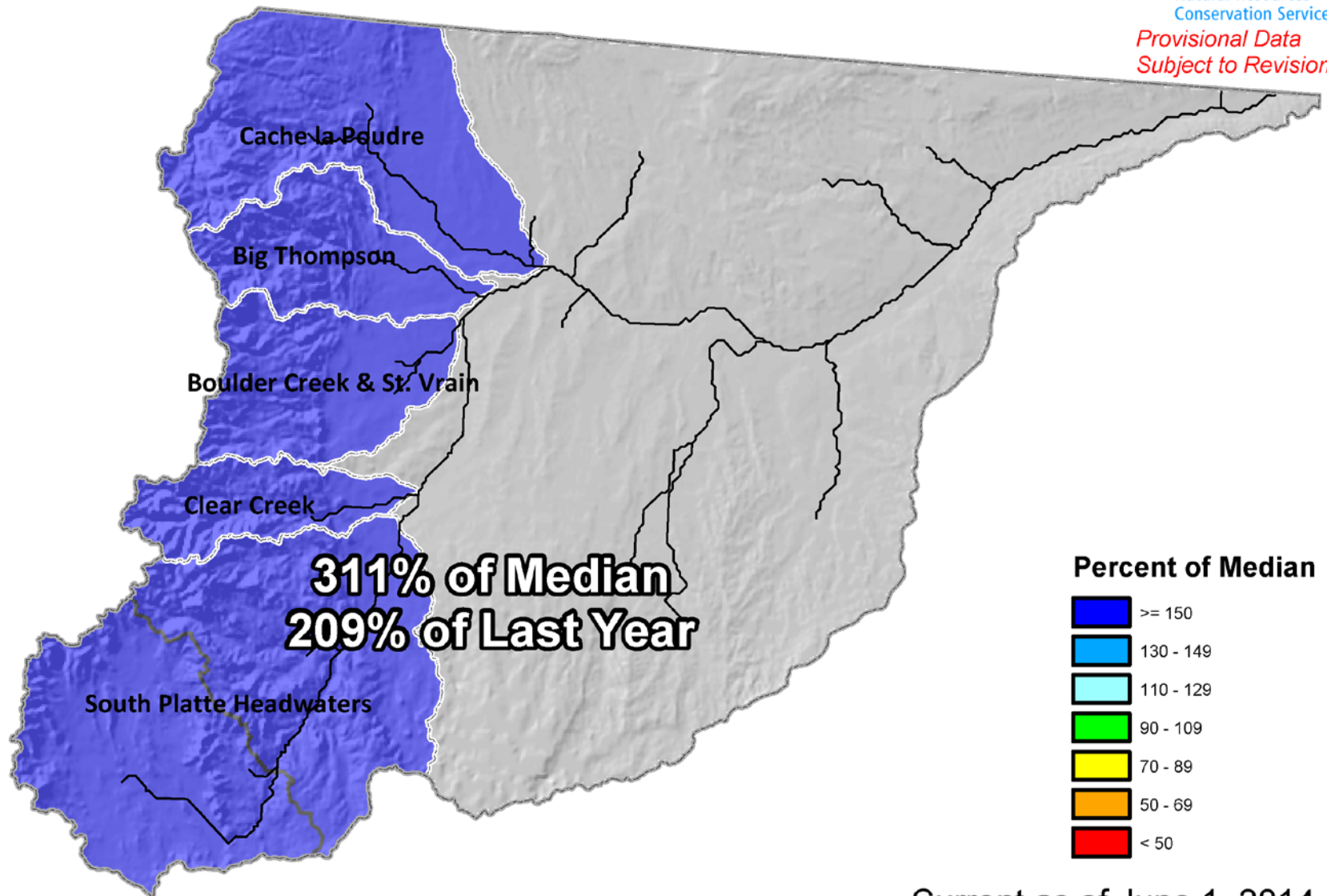




# South Platte River Basin Snowpack Map



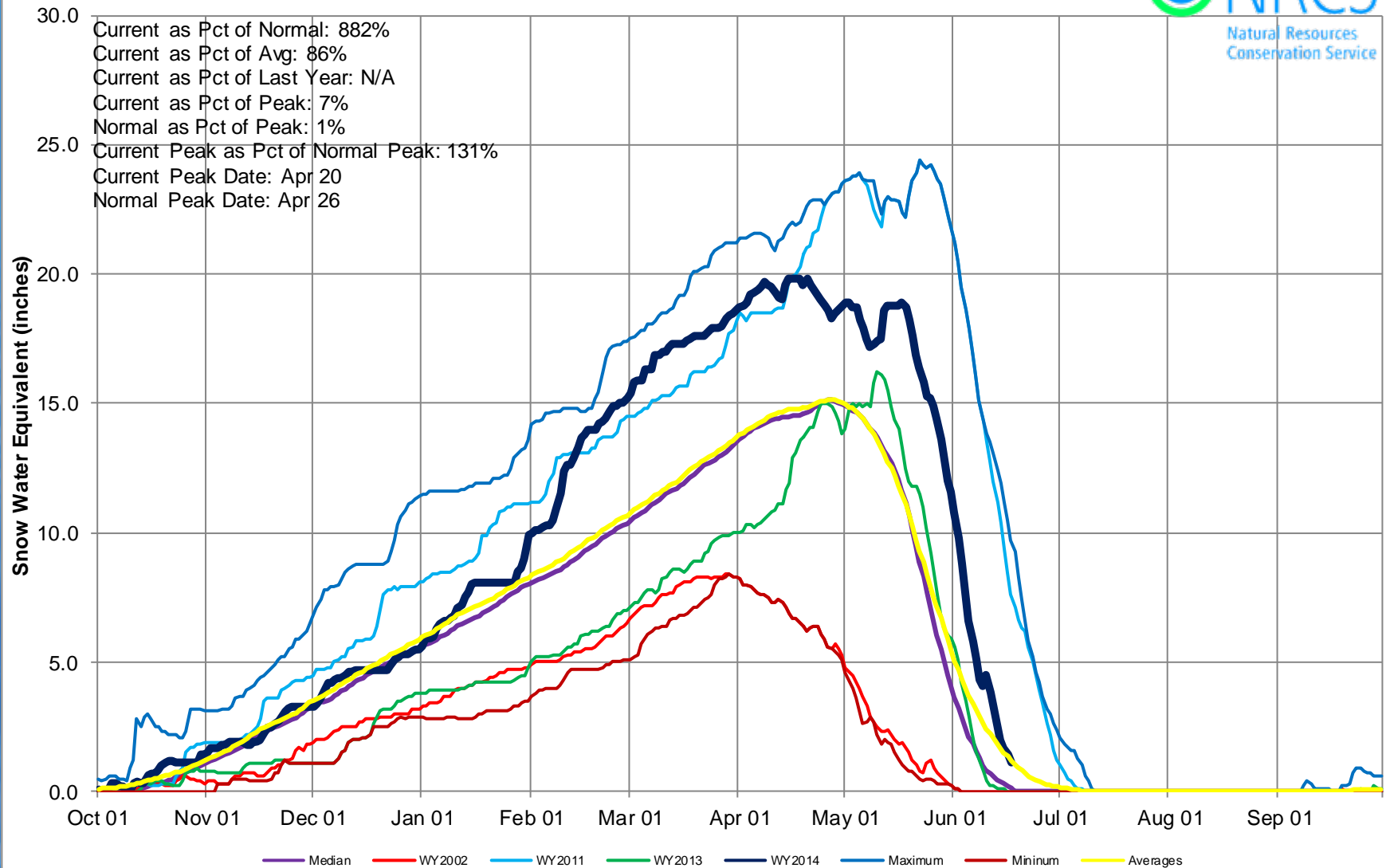
*Provisional Data  
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Current as of June 1, 2014

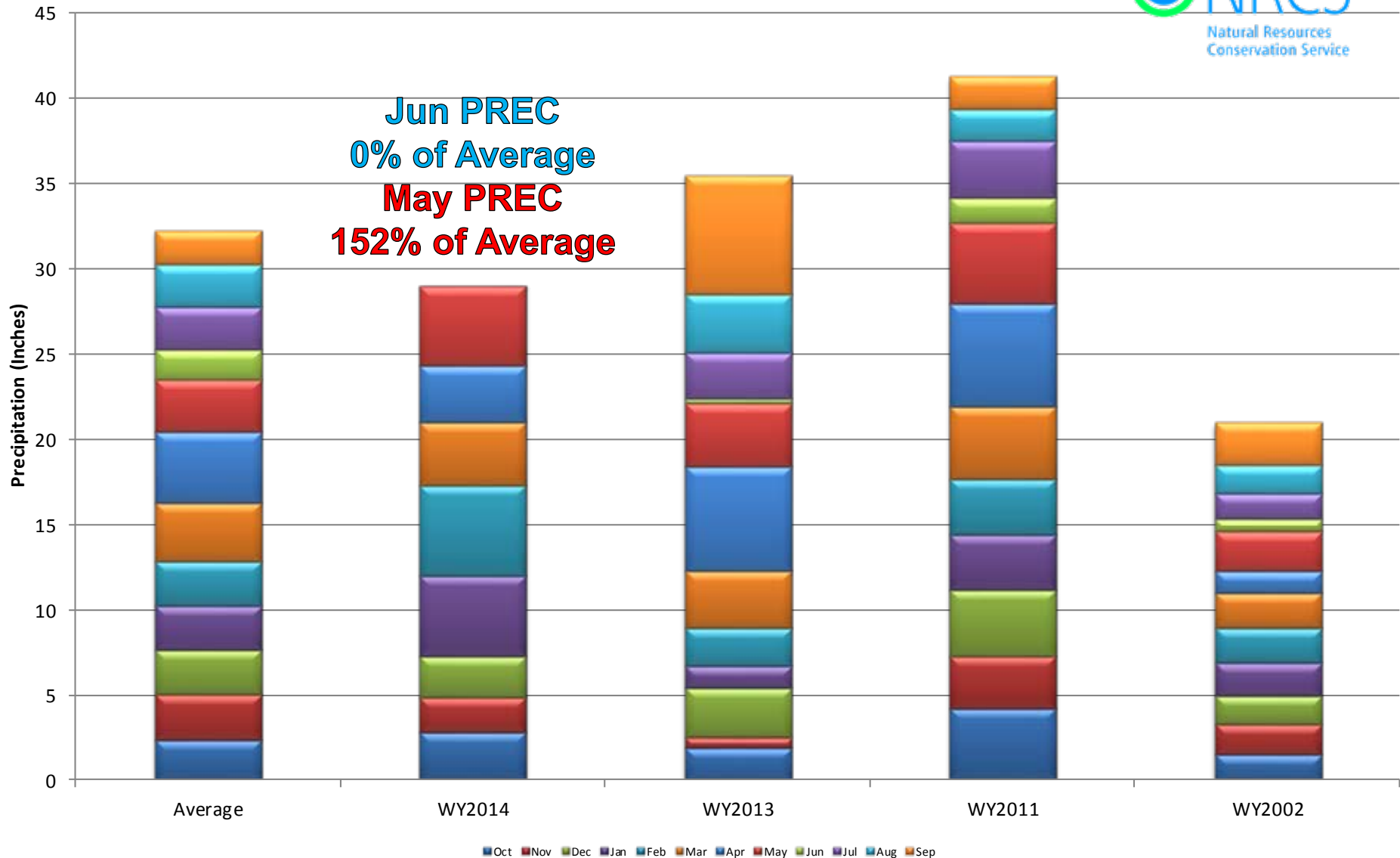
**Based on Provisional SNOTEL data as of Jun 17, 2014**

Natural Resources  
Conservation Service



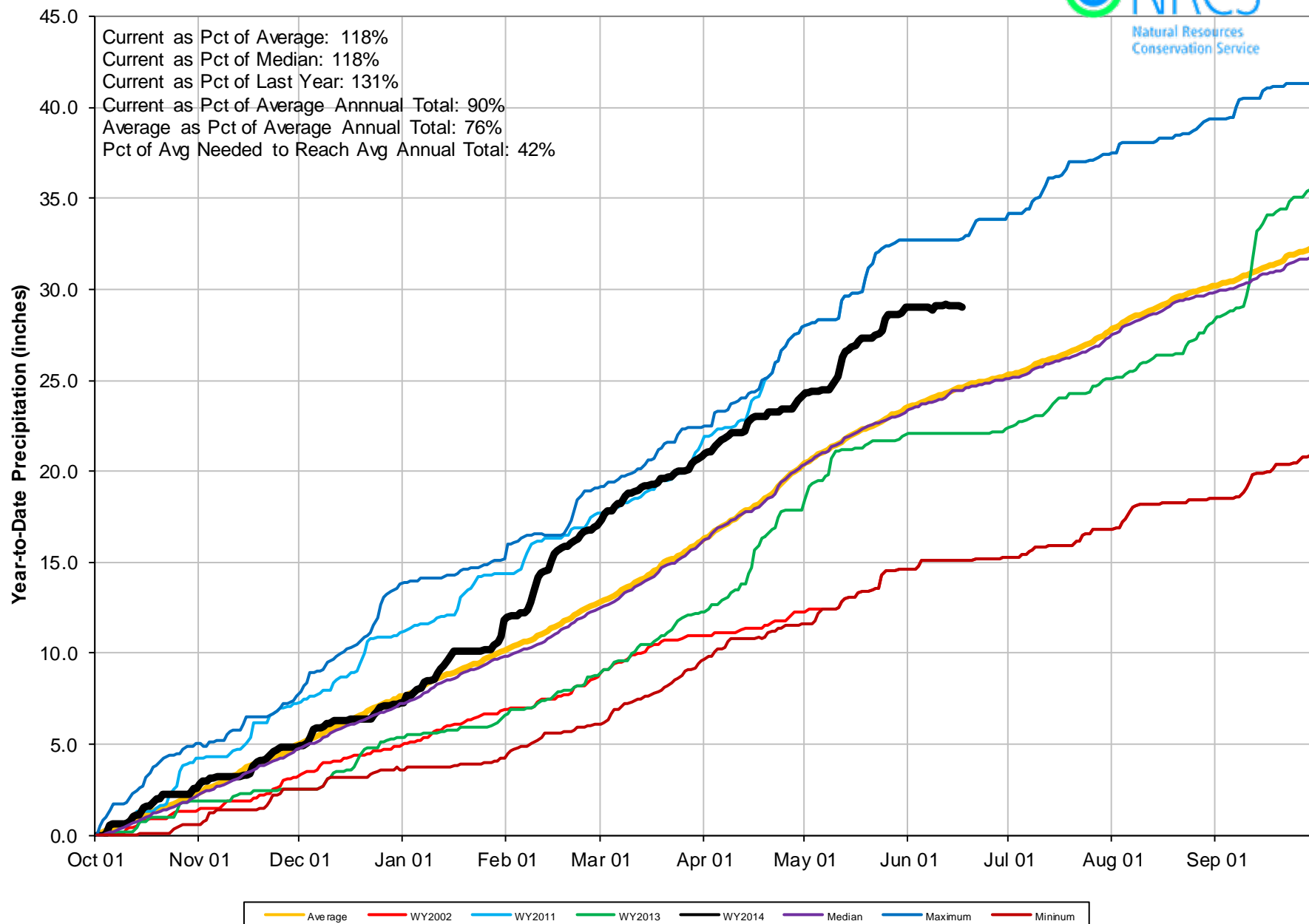
## South Platte River Basin High/Low Monthly Precipitation Summary

*Based on Provisional SNOTEL data as of Jun 17, 2014*



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

Based on Provisional SNOTEL data as of Jun 17, 2014

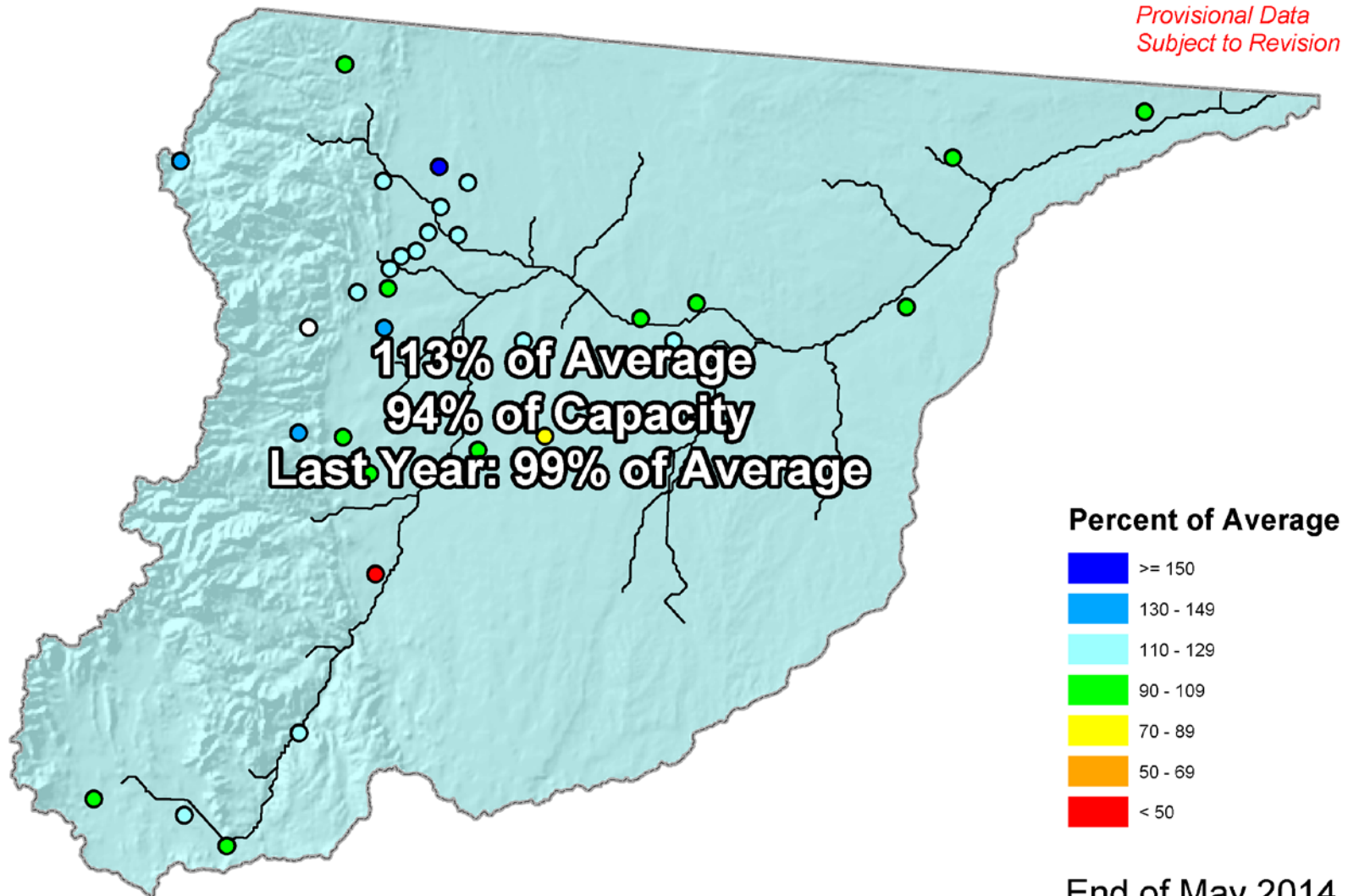




# South Platte River Basin Reservoir Storage Map



*Provisional Data  
Subject to Revision*

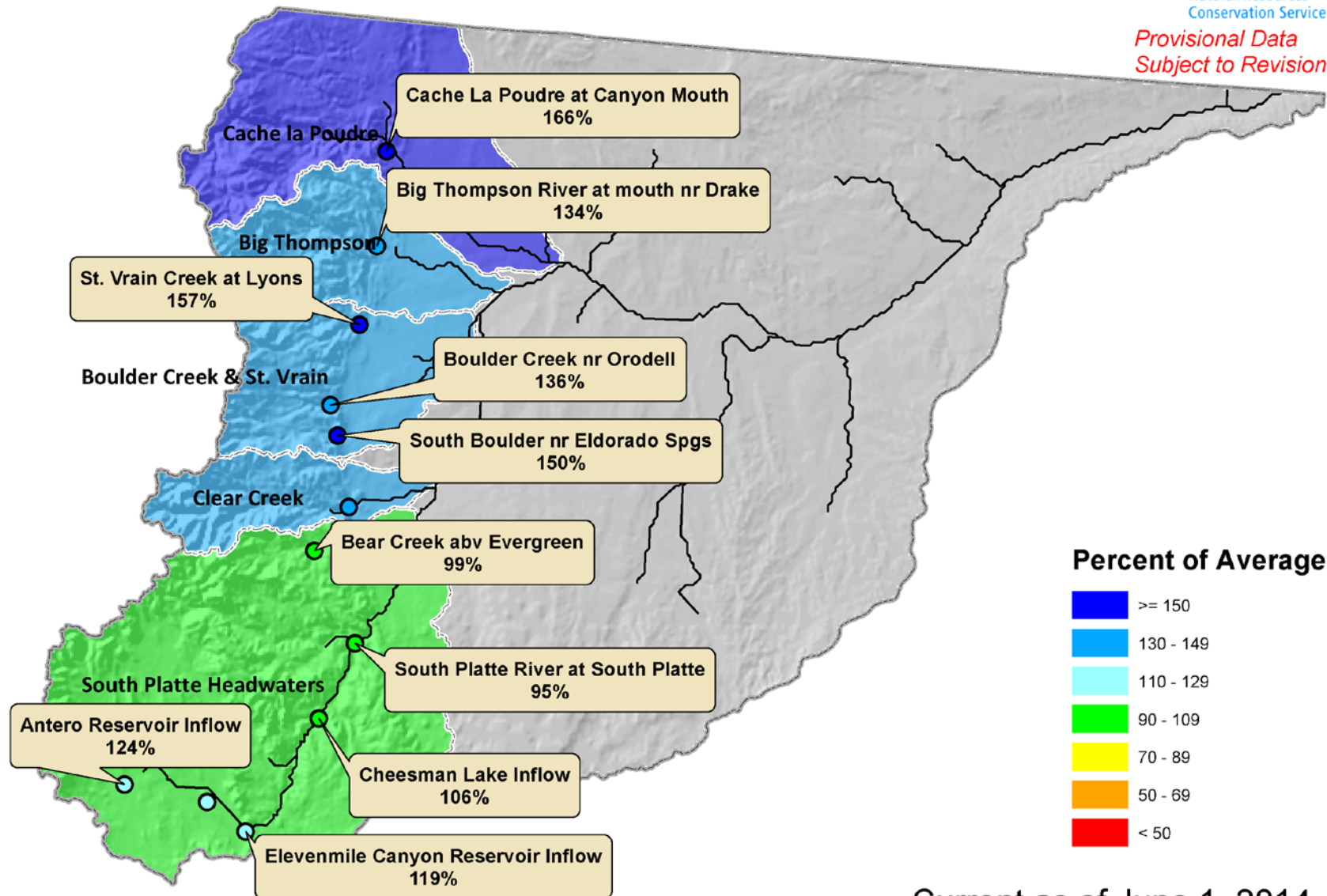


End of May 2014

# South Platte River Basin Streamflow Forecast Map

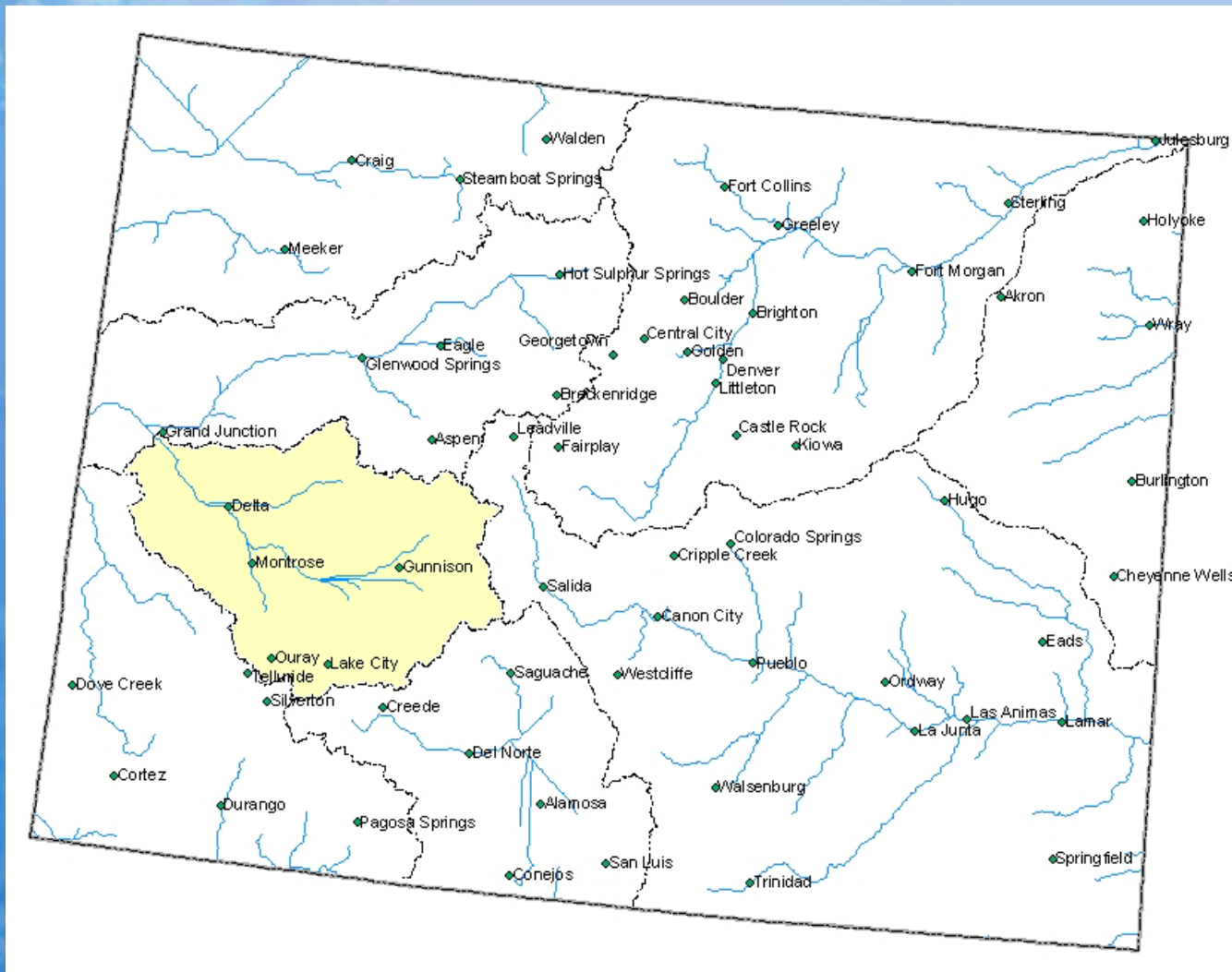


*Provisional Data  
Subject to Revision*



Current as of June 1, 2014

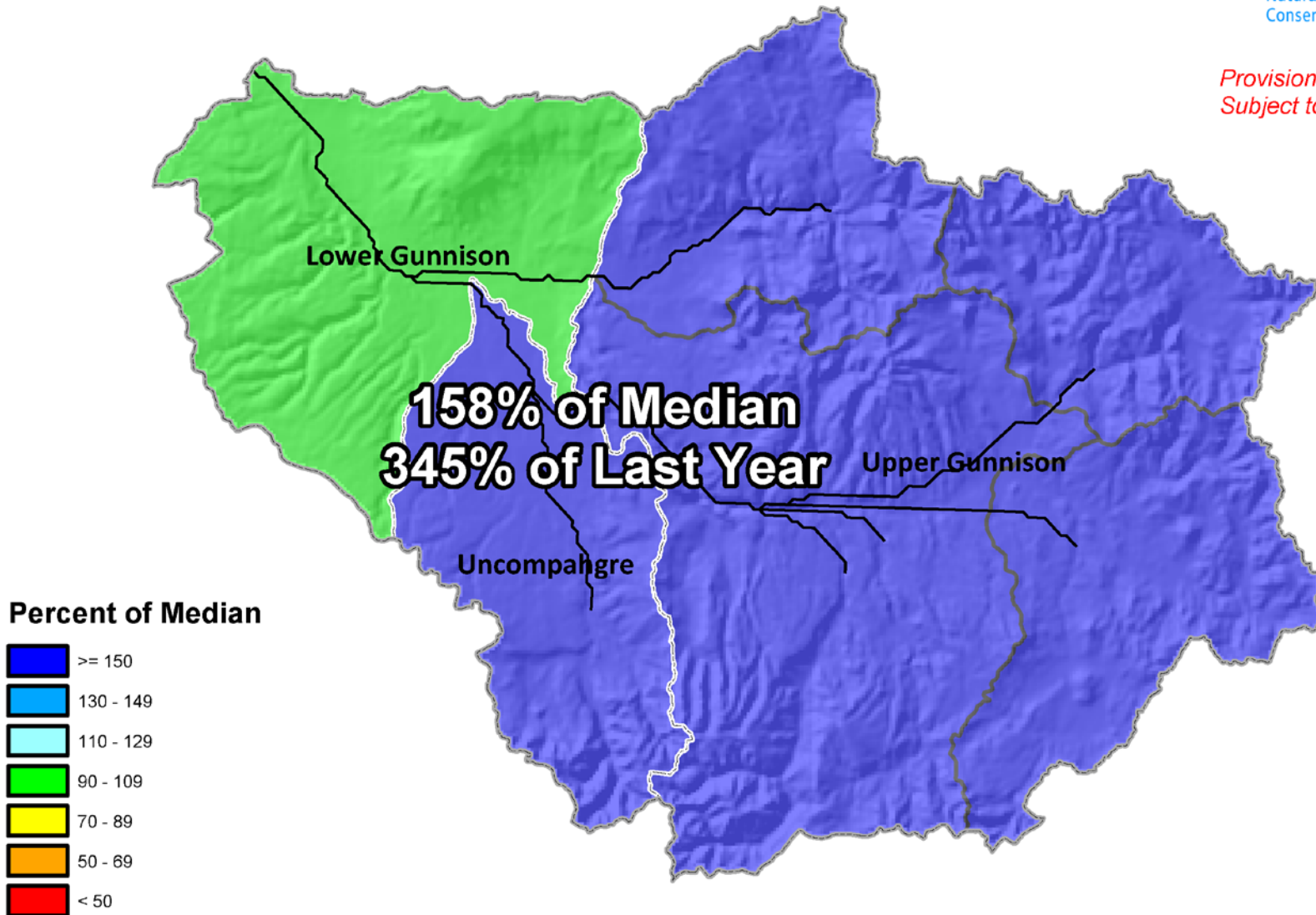
# Gunnison River Basin Summary



# Gunnison River Basin Snowpack Map



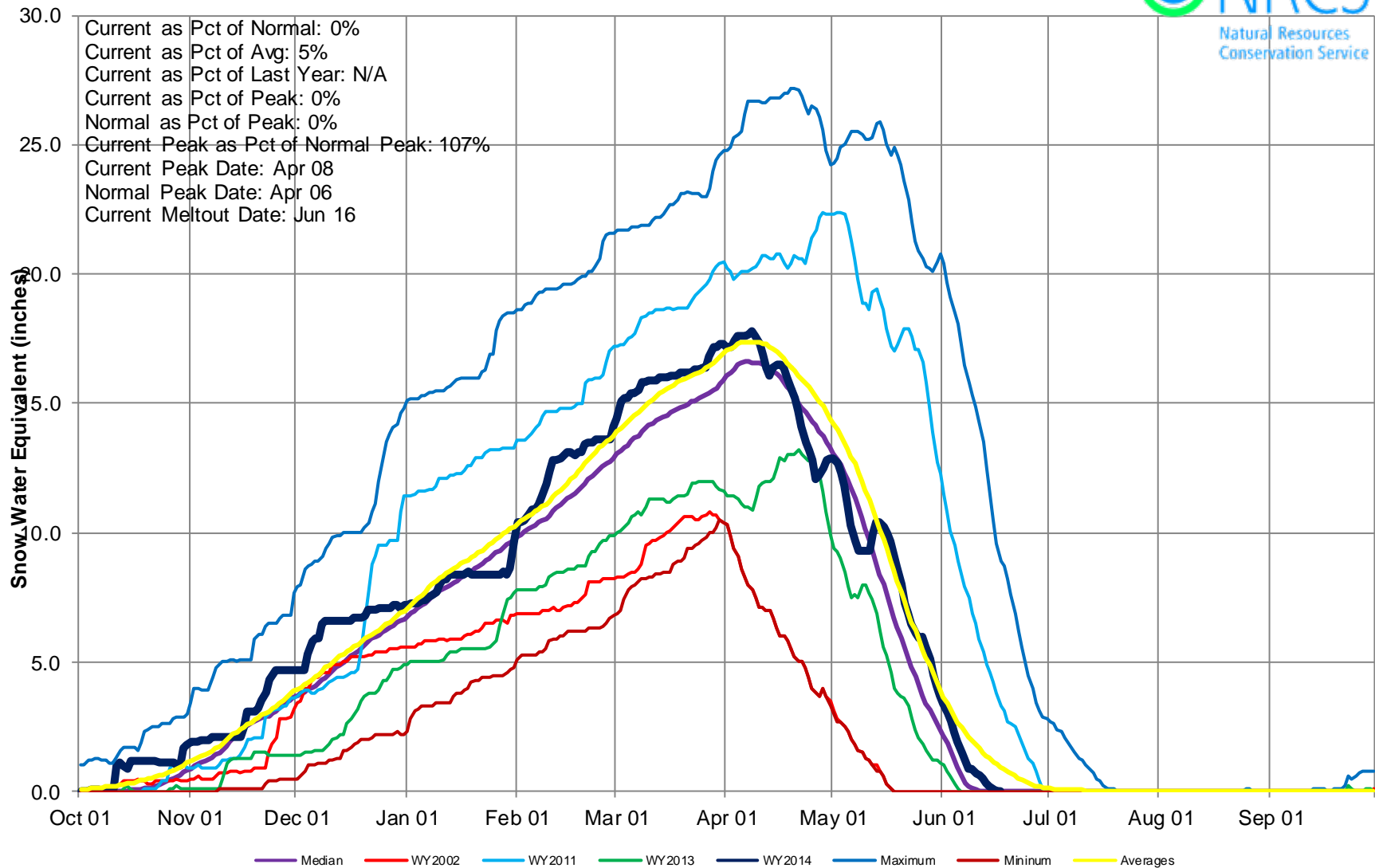
*Provisional Data  
Subject to Revision*



Current as of June 1, 2014



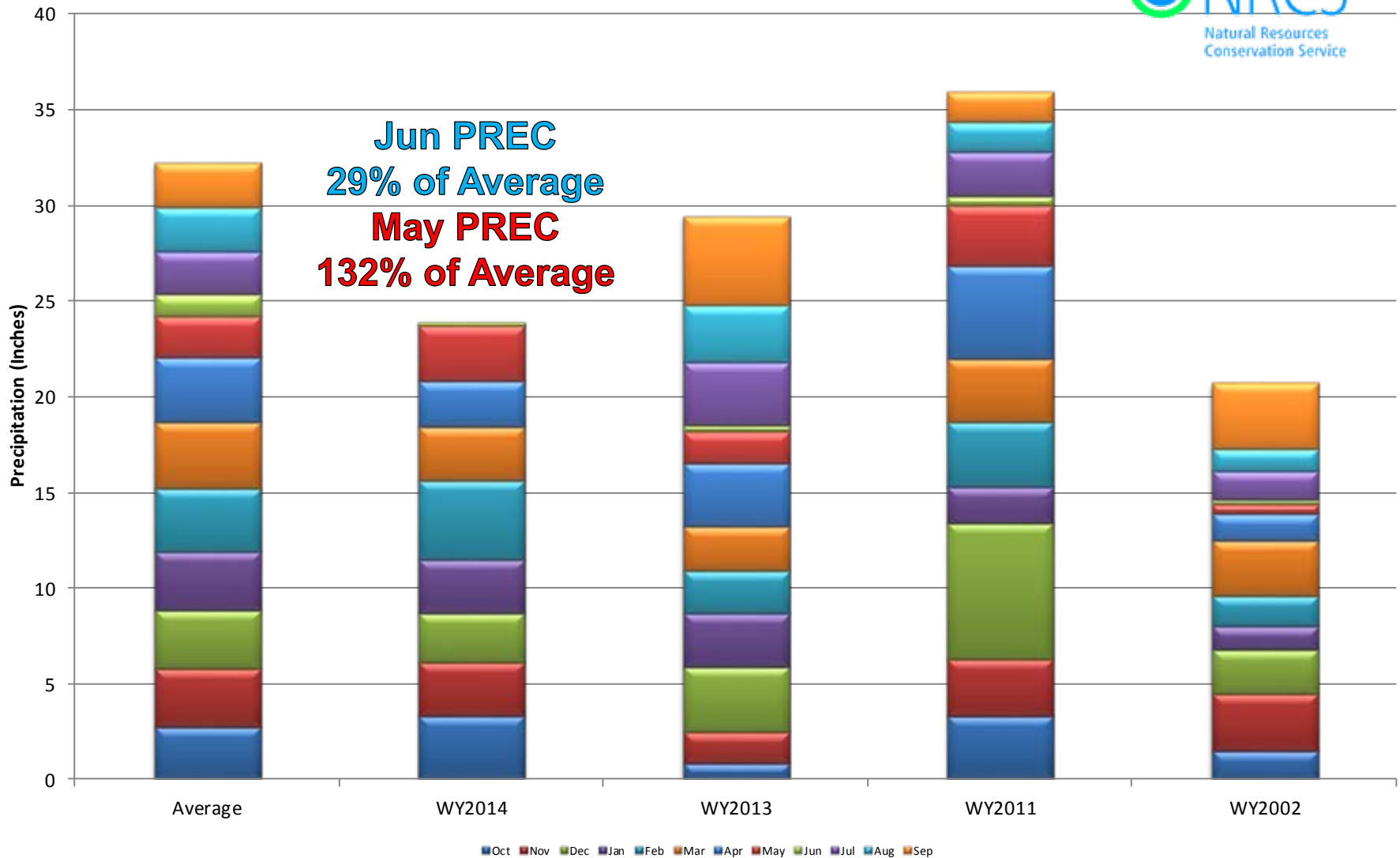
**Based on Provisional SNOTEL data as of Jun 17, 2014**





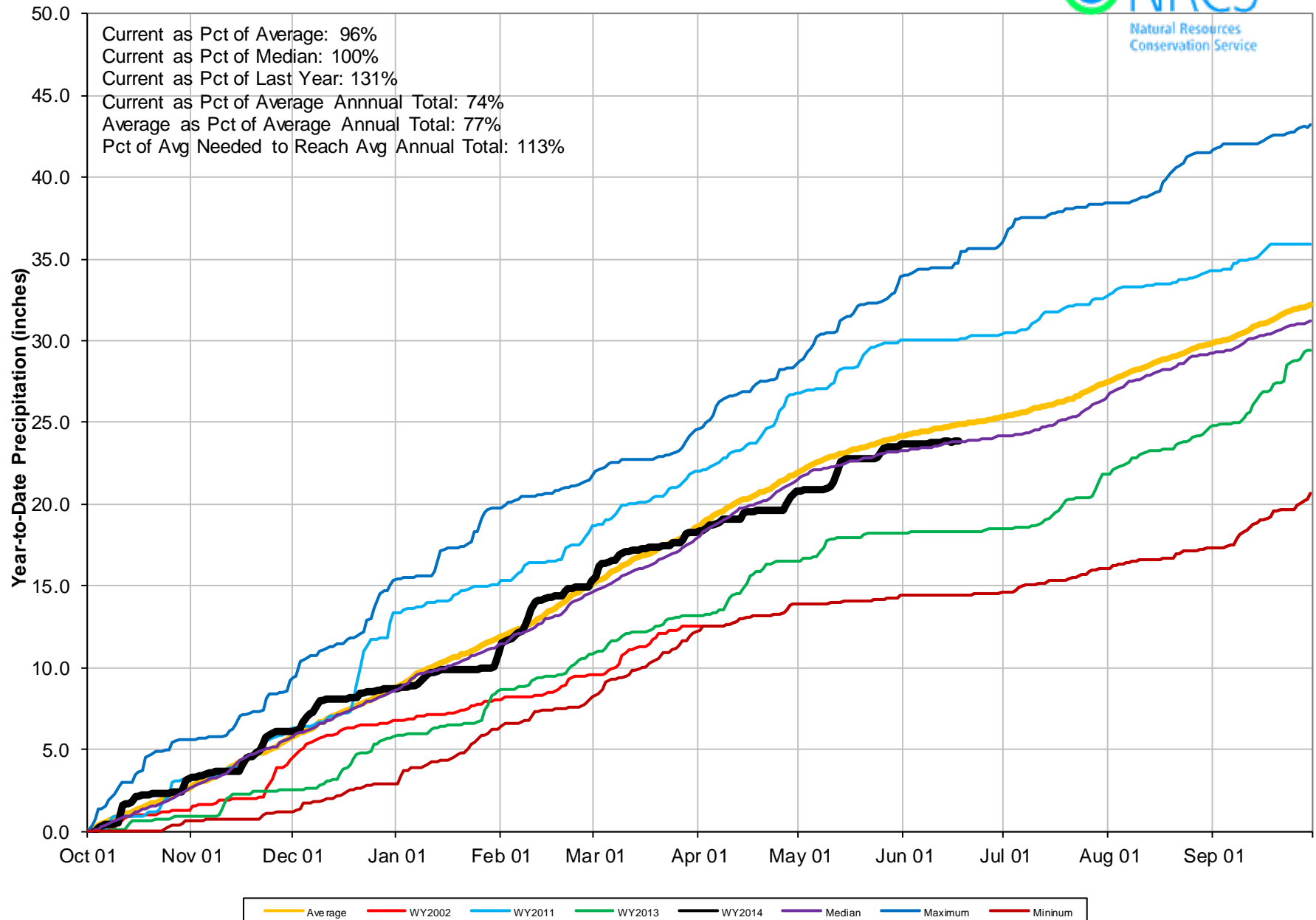
## Gunnison River Basin High/Low Monthly Precipitation Summary

*Based on Provisional SNOTEL data as of Jun 17, 2014*



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

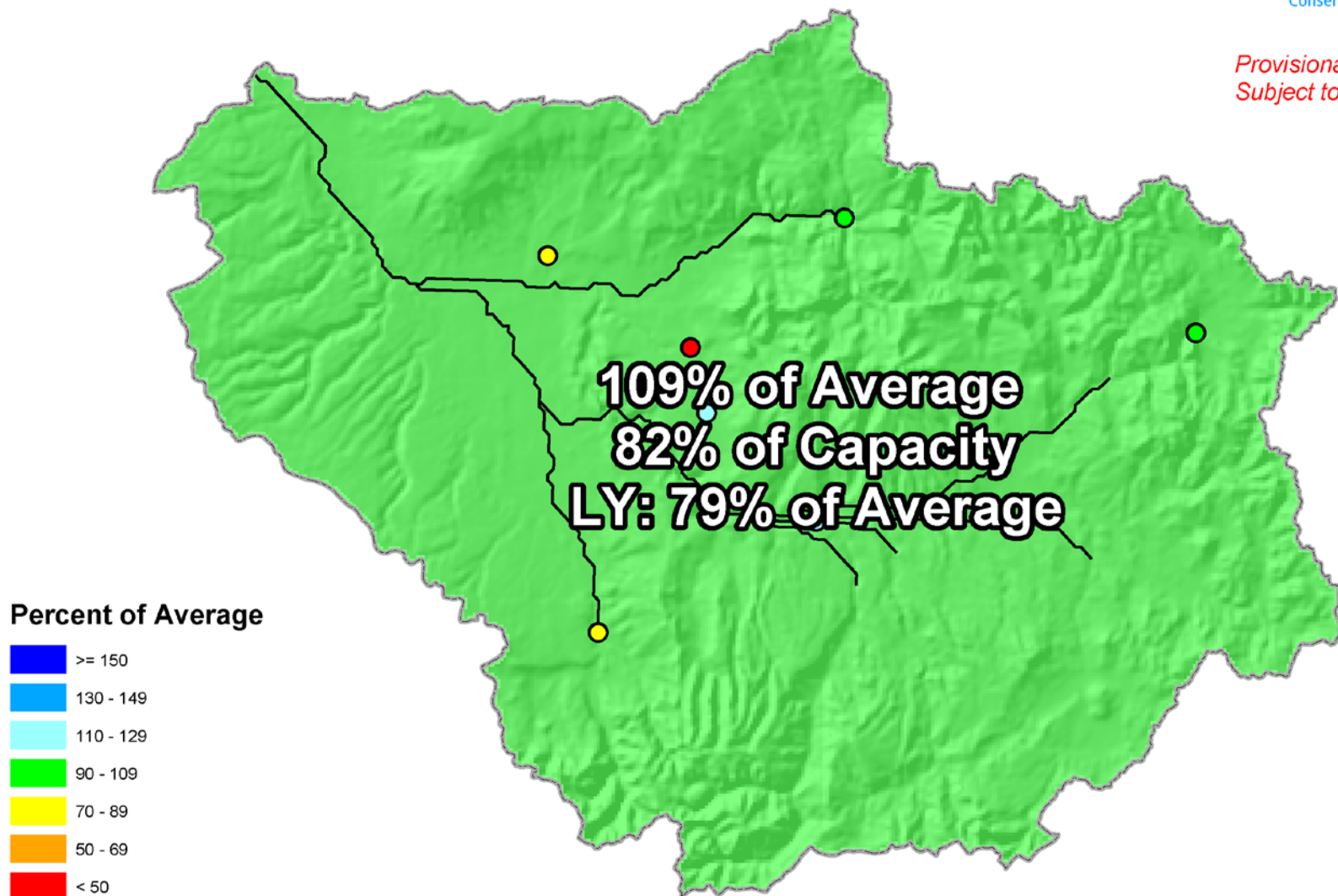
Based on Provisional SNOTEL data as of Jun 17, 2014



# Gunnison River Basin Reservoir Storage Map



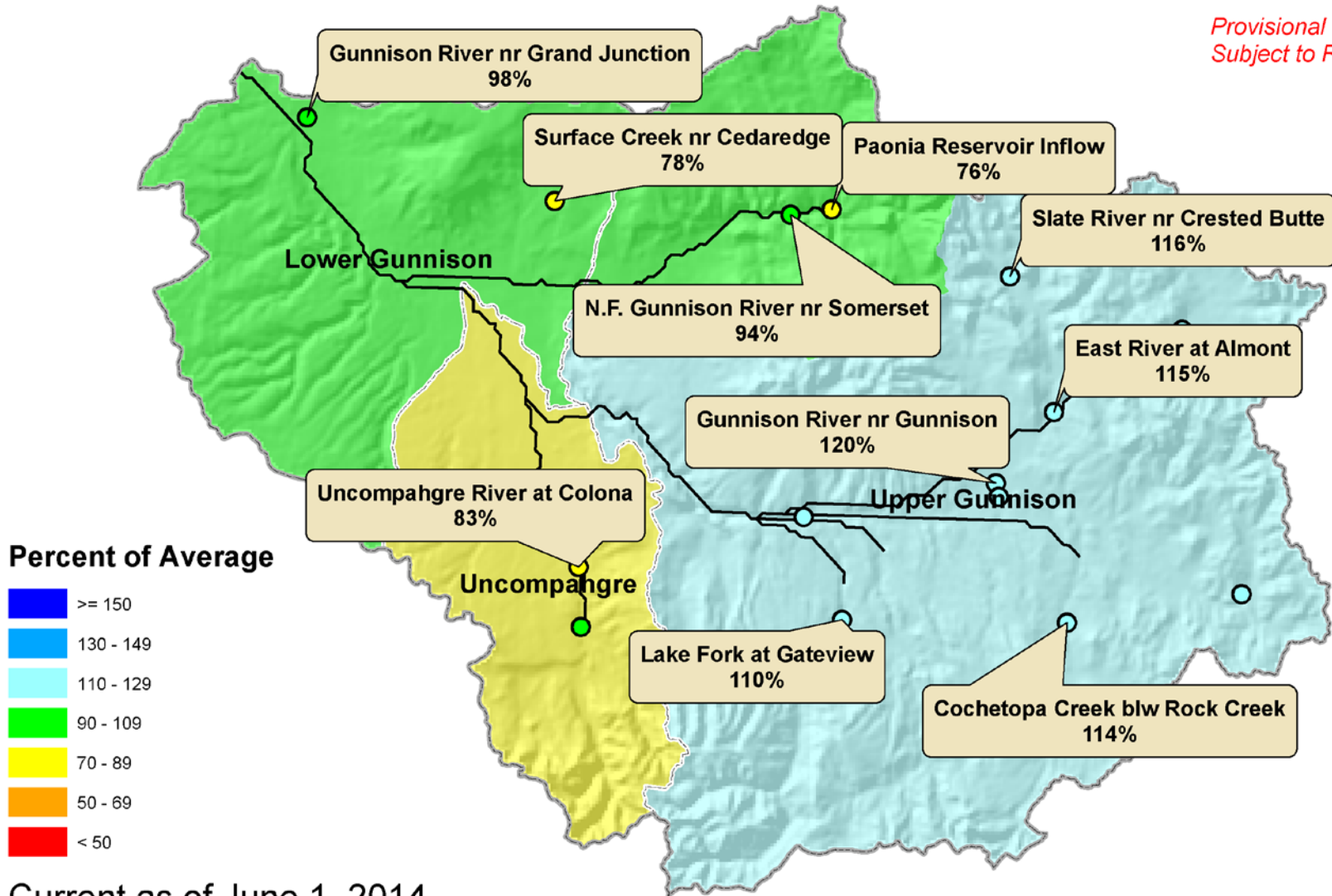
*Provisional Data  
Subject to Revision*



End of May 2014

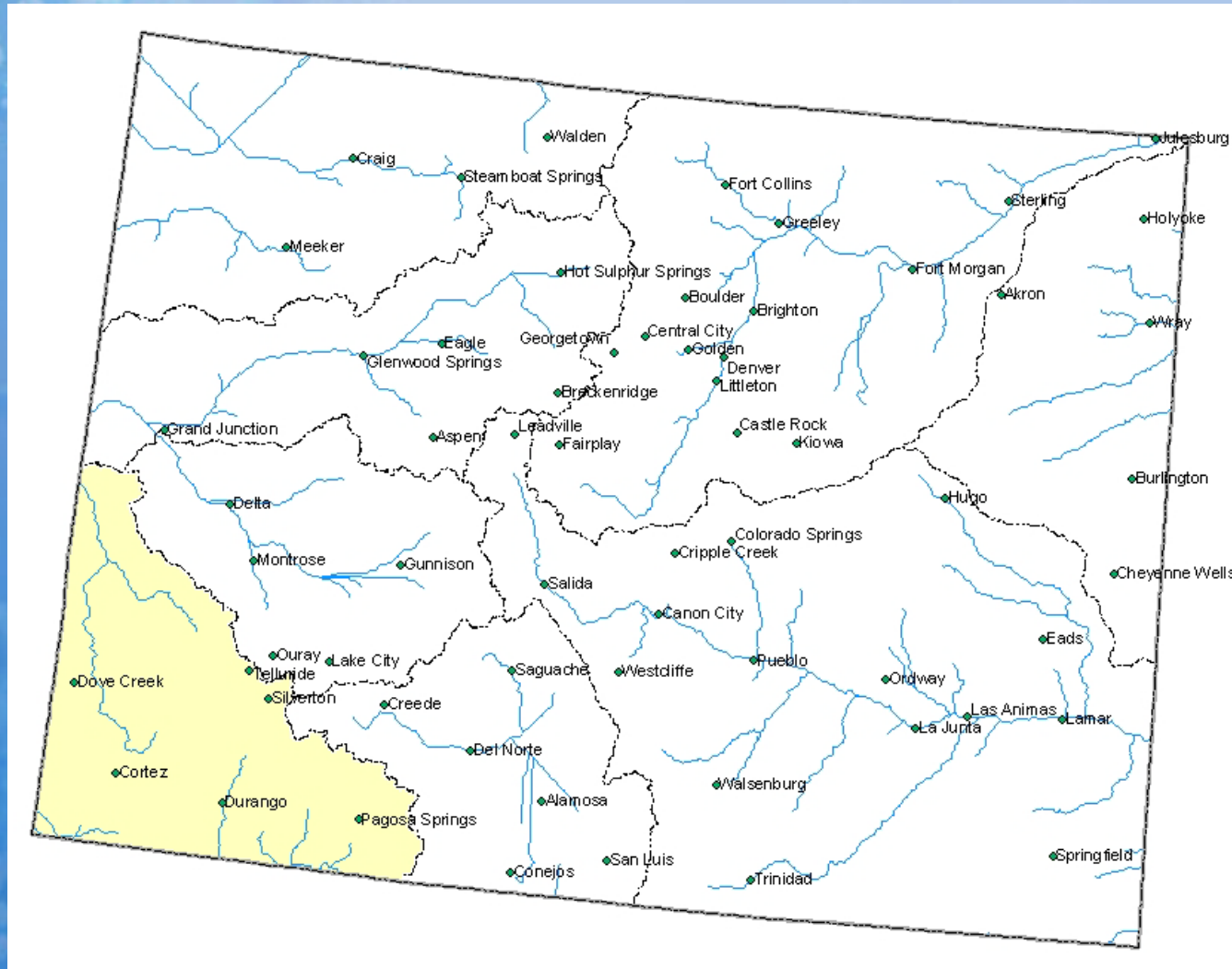
# Gunnison River Basin Streamflow Forecast Map

*Provisional Data  
Subject to Revision*



Current as of June 1, 2014

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

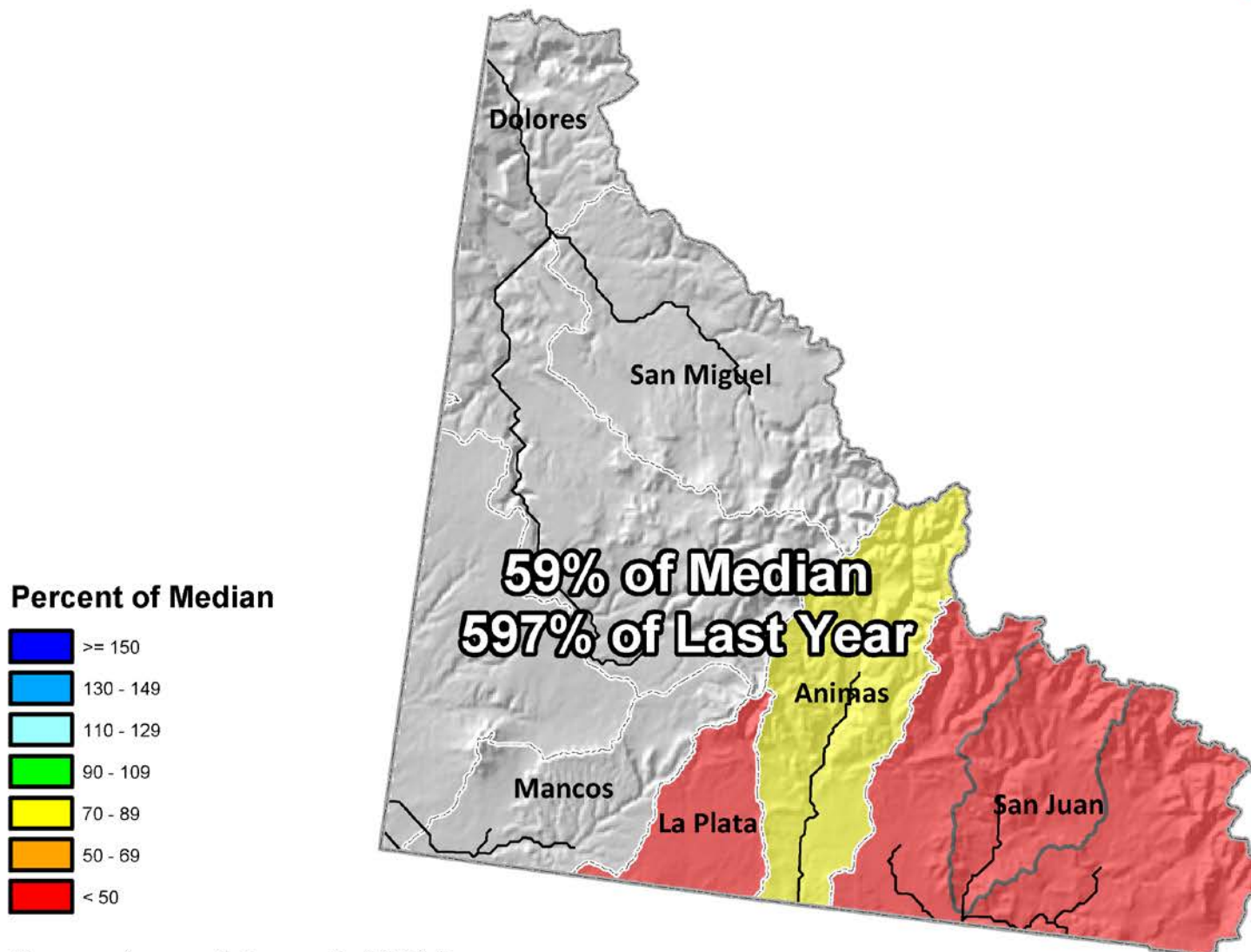




# San Miguel, Dolores, Animas and San Juan River Basins Snowpack Map



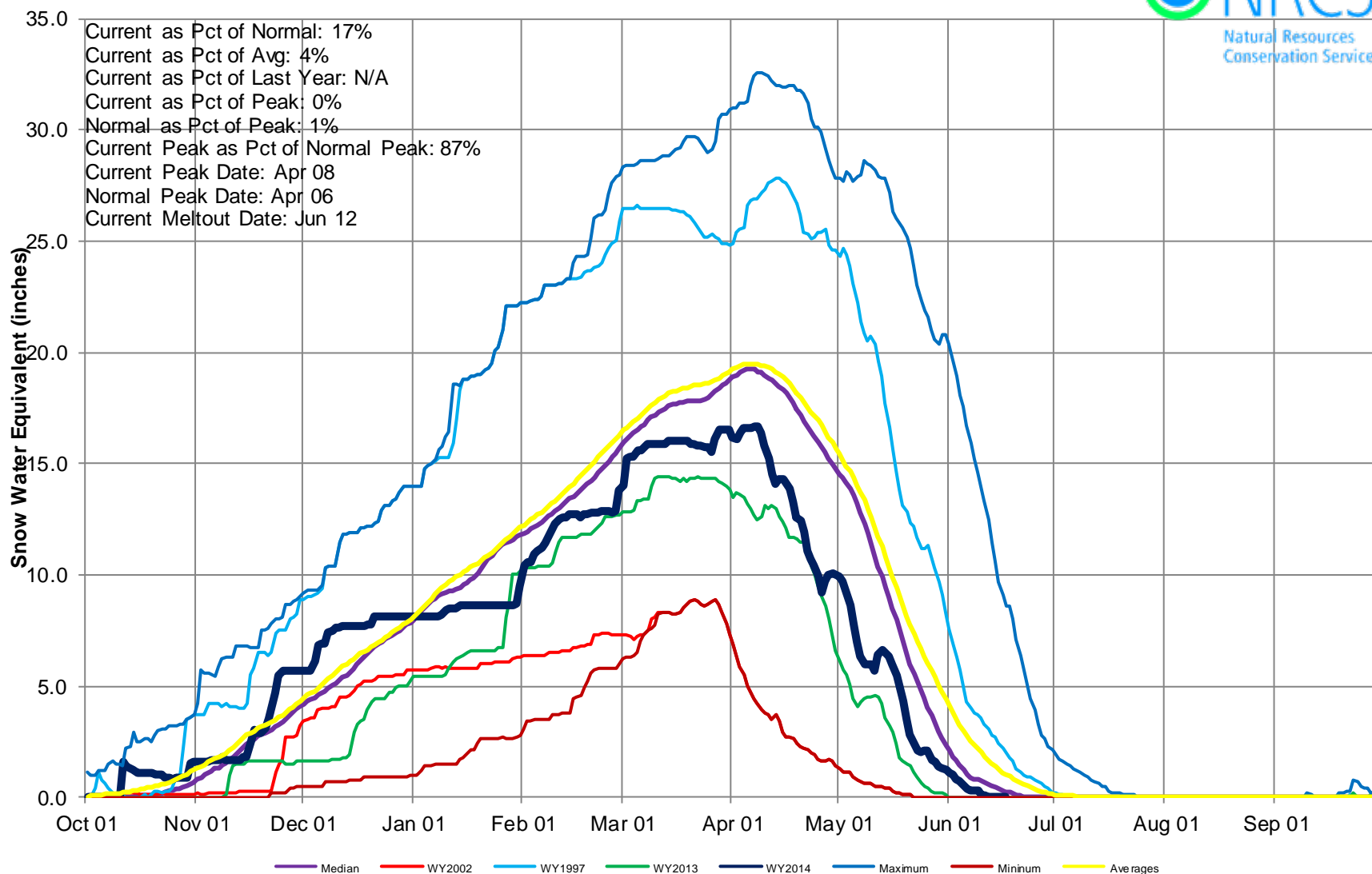
*Provisional Data  
Subject to Revision*



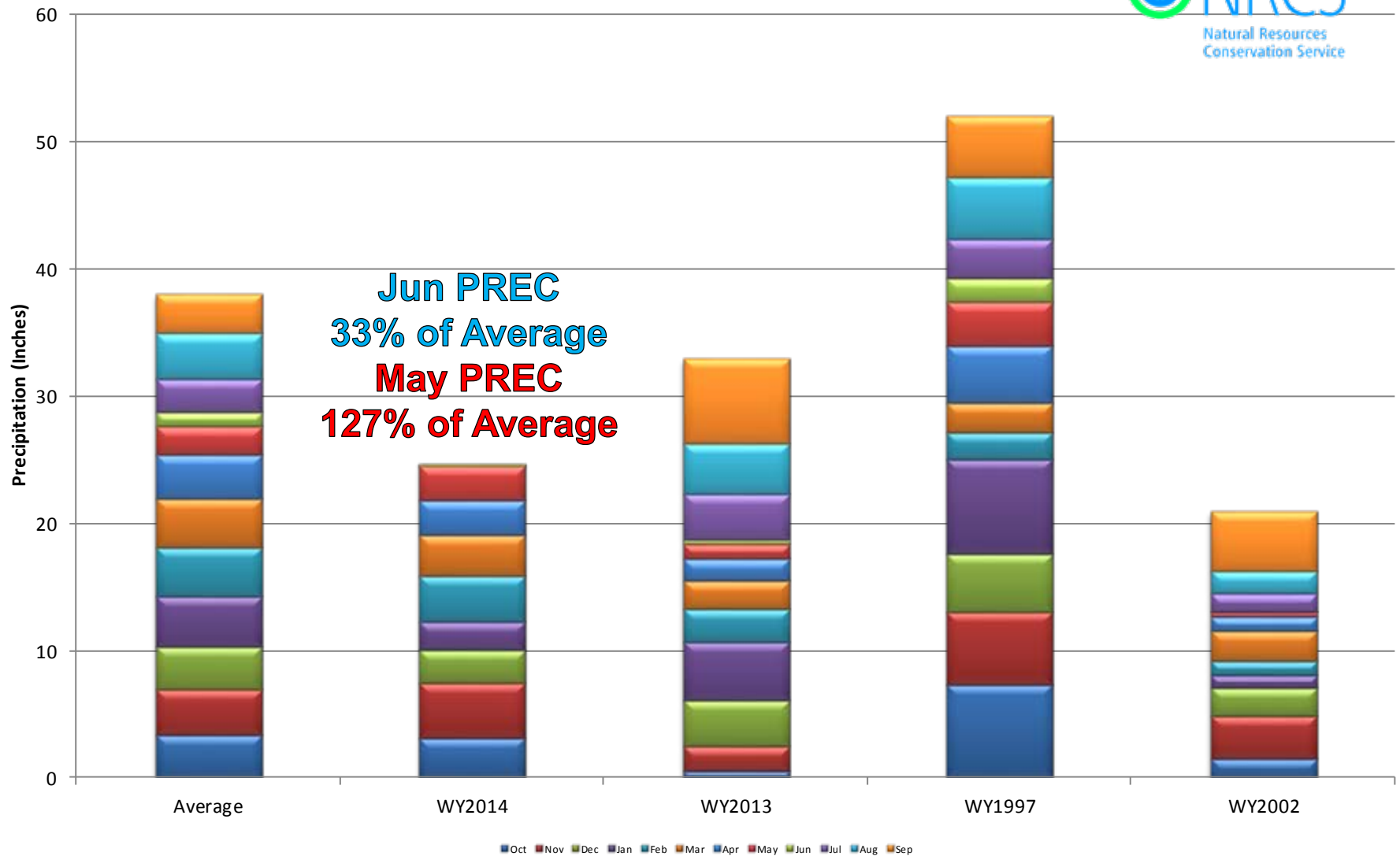
Current as of June 1, 2014

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

Based on Provisional SNOTEL data as of Jun 17, 2014

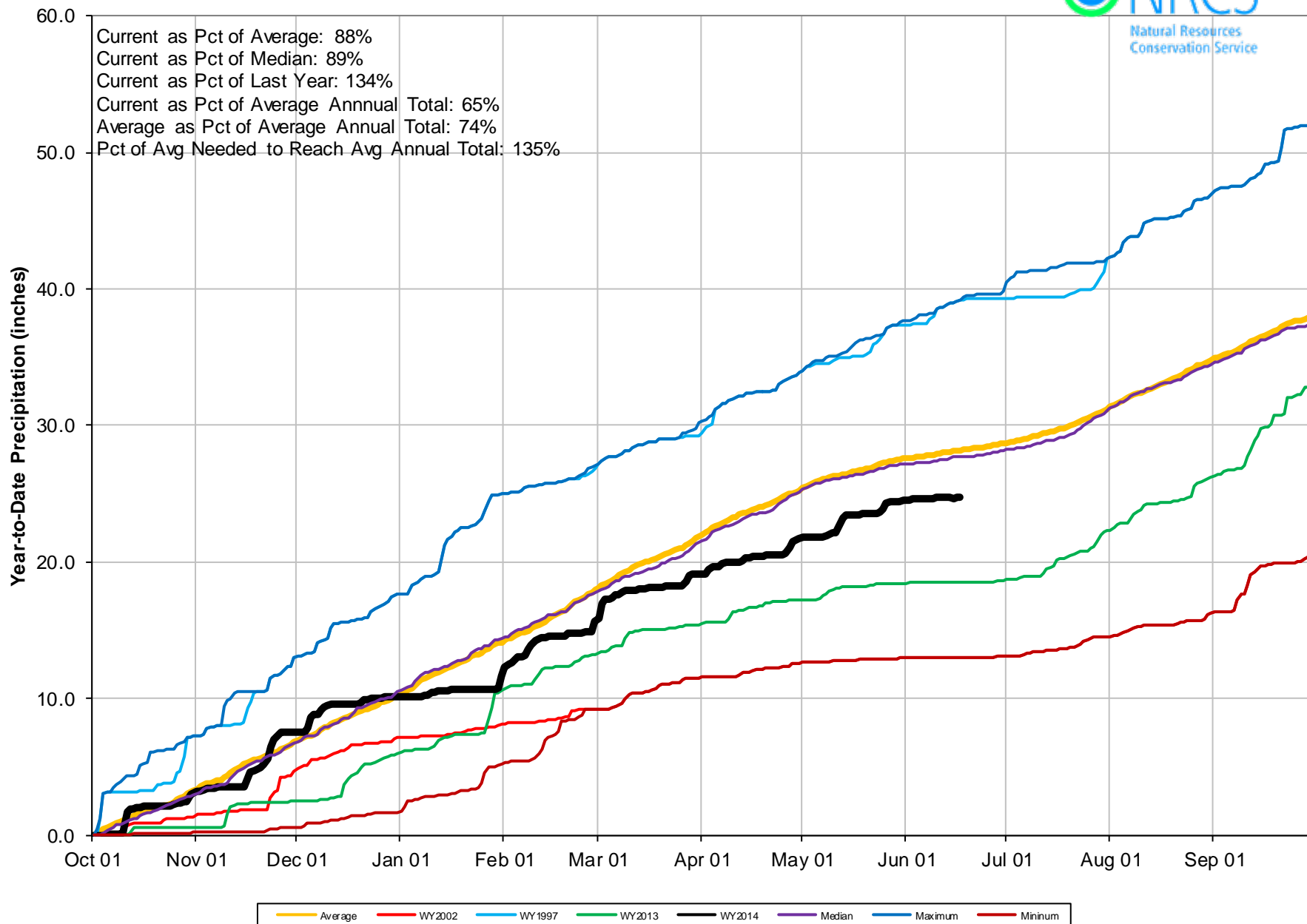


# San Miguel, Dolores, Animas & San Juan River Basins High/Low Monthly Precipitation Summary



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

*Based on Provisional SNOTEL data as of Jun 17, 2014*

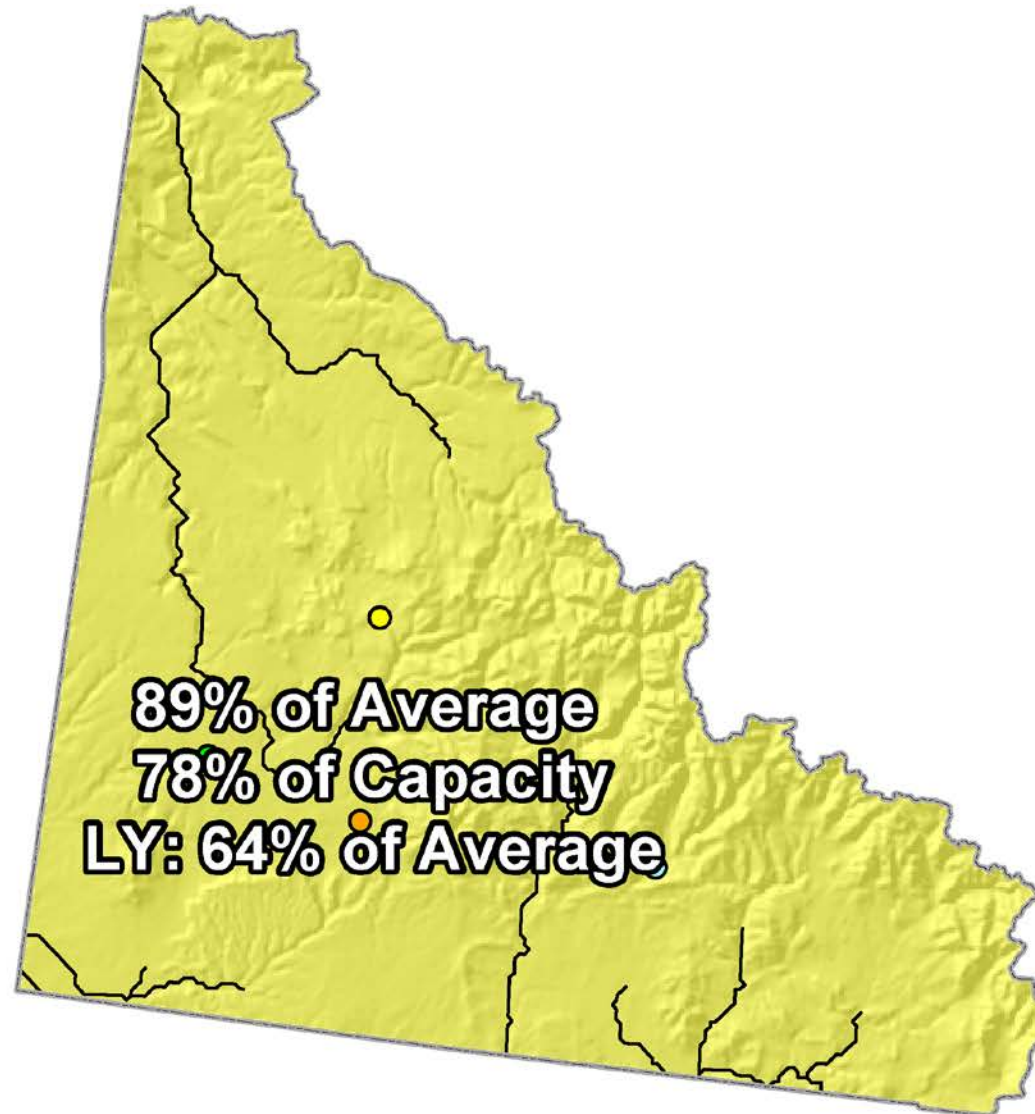


# San Miguel, Dolores, Animas and San Juan River Basins Reservoir Storage Map



*Provisional Data  
Subject to Revision*

## Percent of Average



End of May 2014



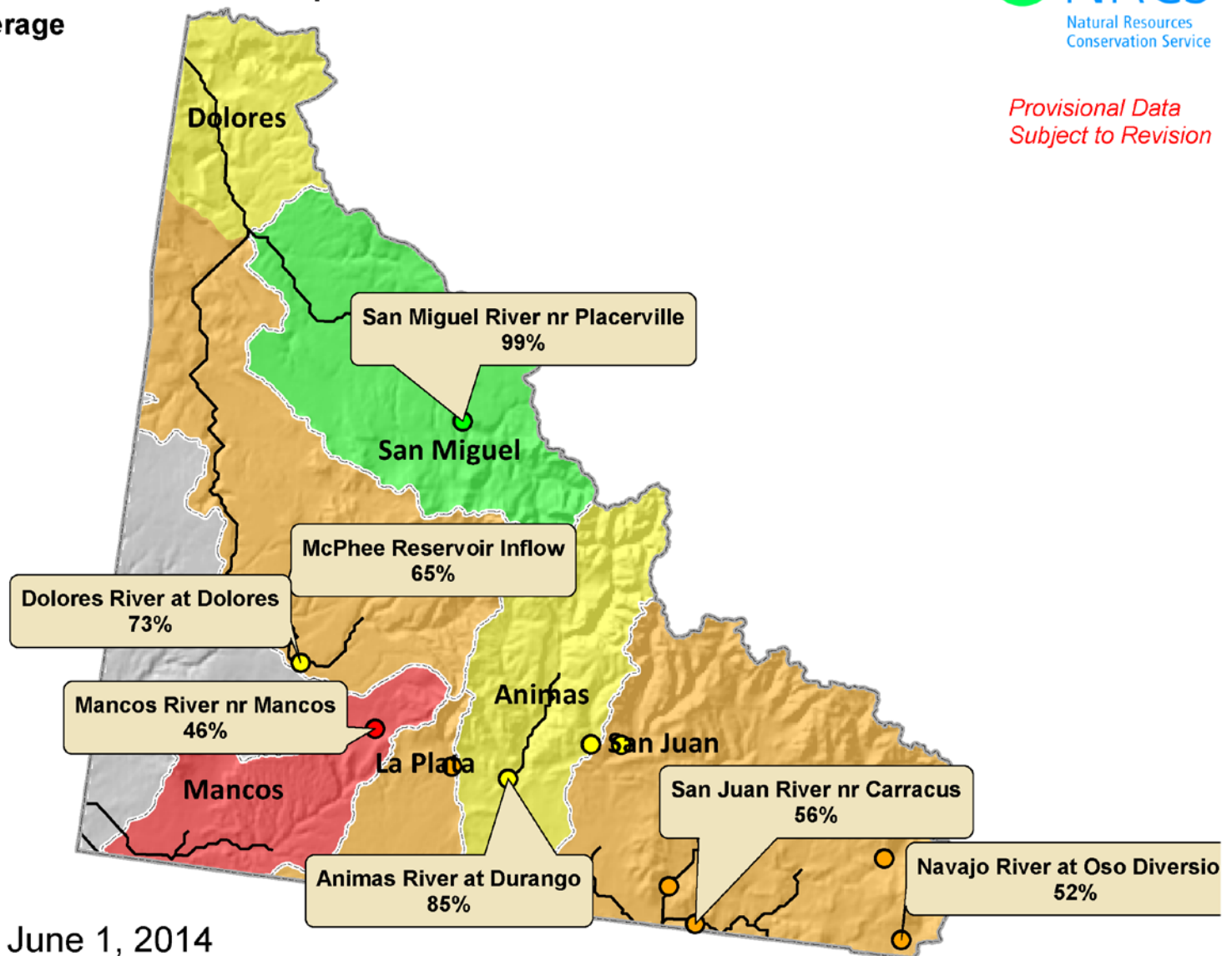
# San Miguel, Dolores, Animas and San Juan River Basins Streamflow Forecast Map



## Percent of Average

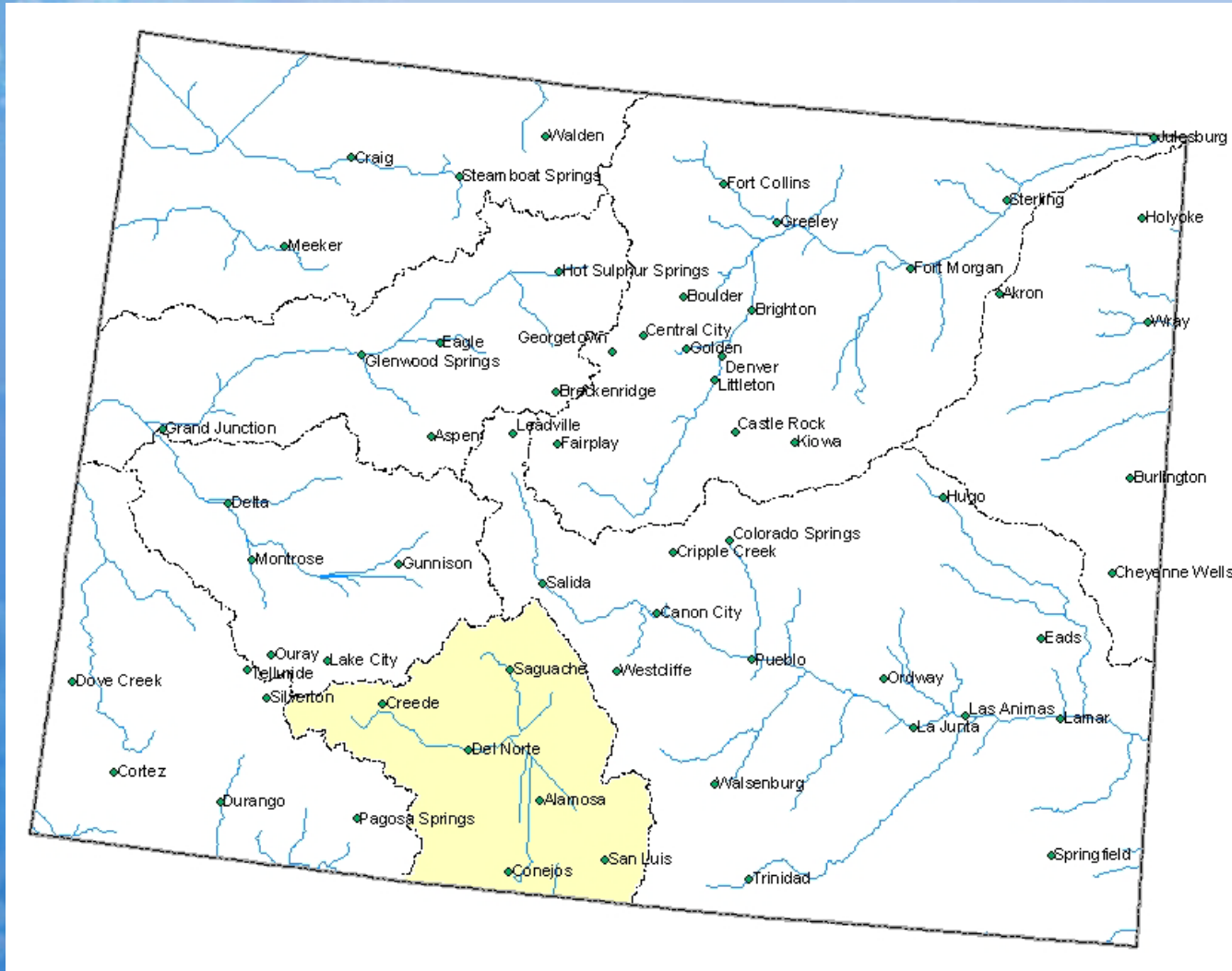


*Provisional Data  
Subject to Revision*



Current as of June 1, 2014

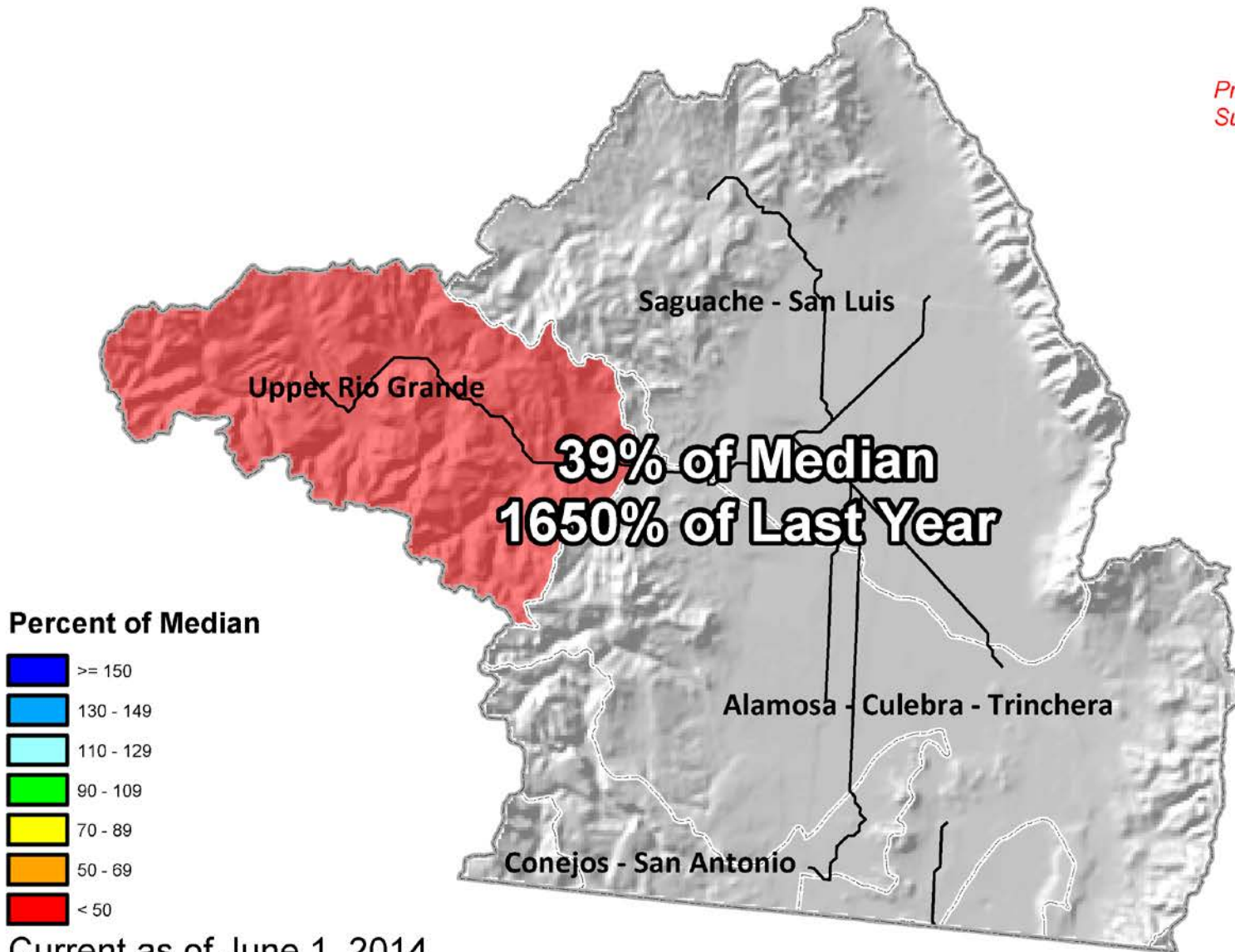
# Upper Rio Grande Basin Summary



# Upper Rio Grande Basin Snowpack Map



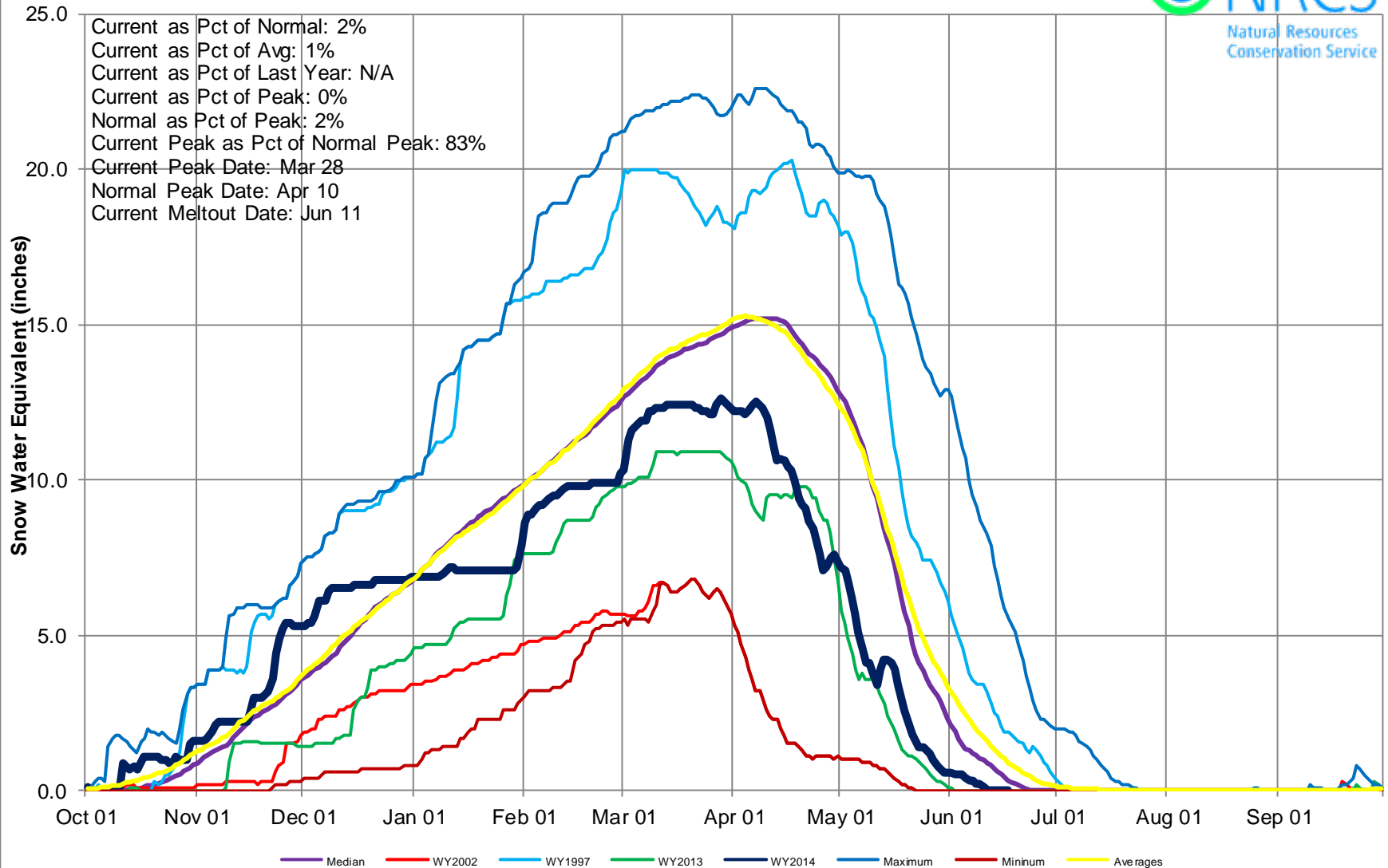
*Provisional Data  
Subject to Revision*



Current as of June 1, 2014

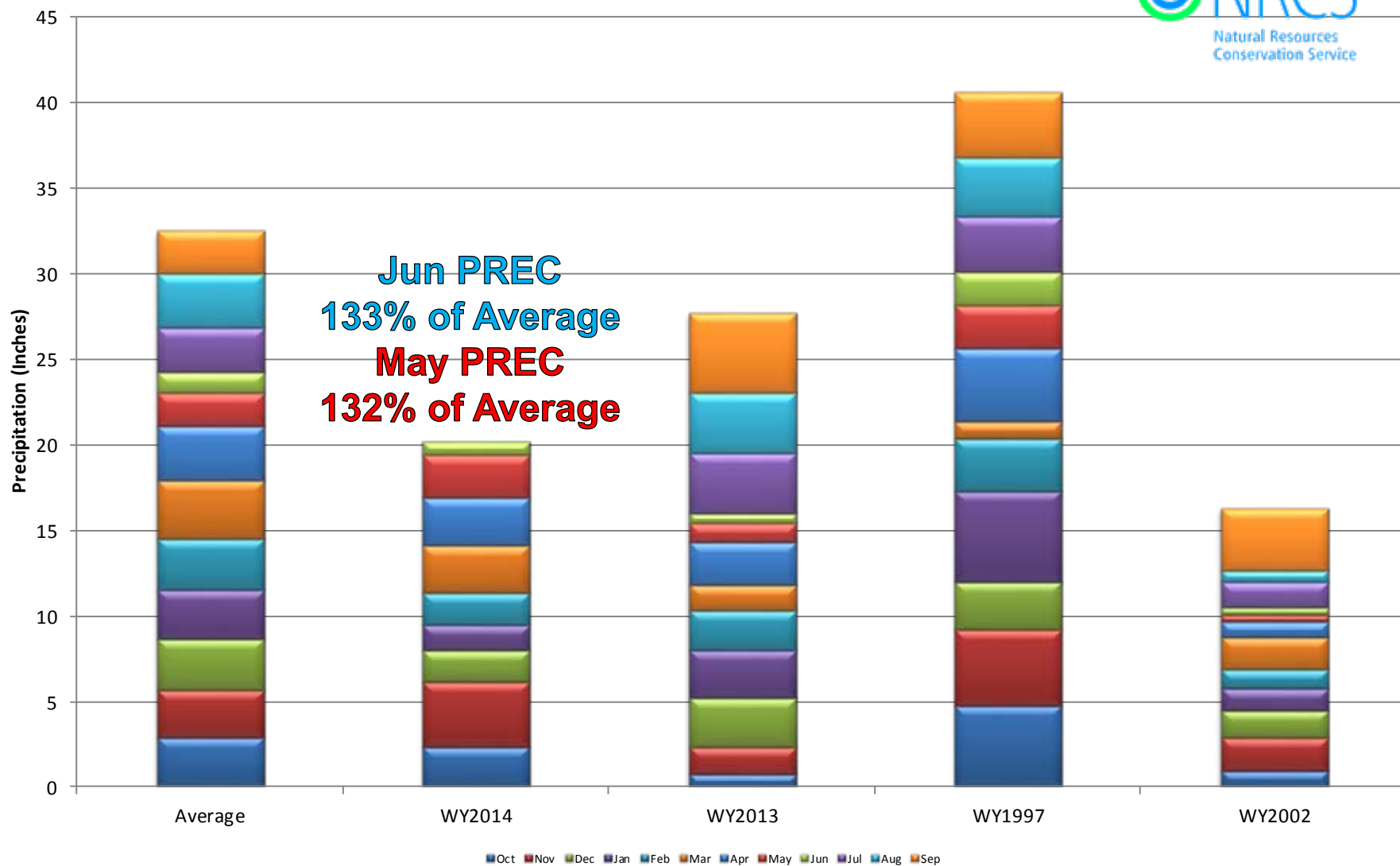
## Upper Rio Grande Basin High/Low Snowpack Summary

*Based on Provisional SNOTEL data as of Jun 17, 2014*



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

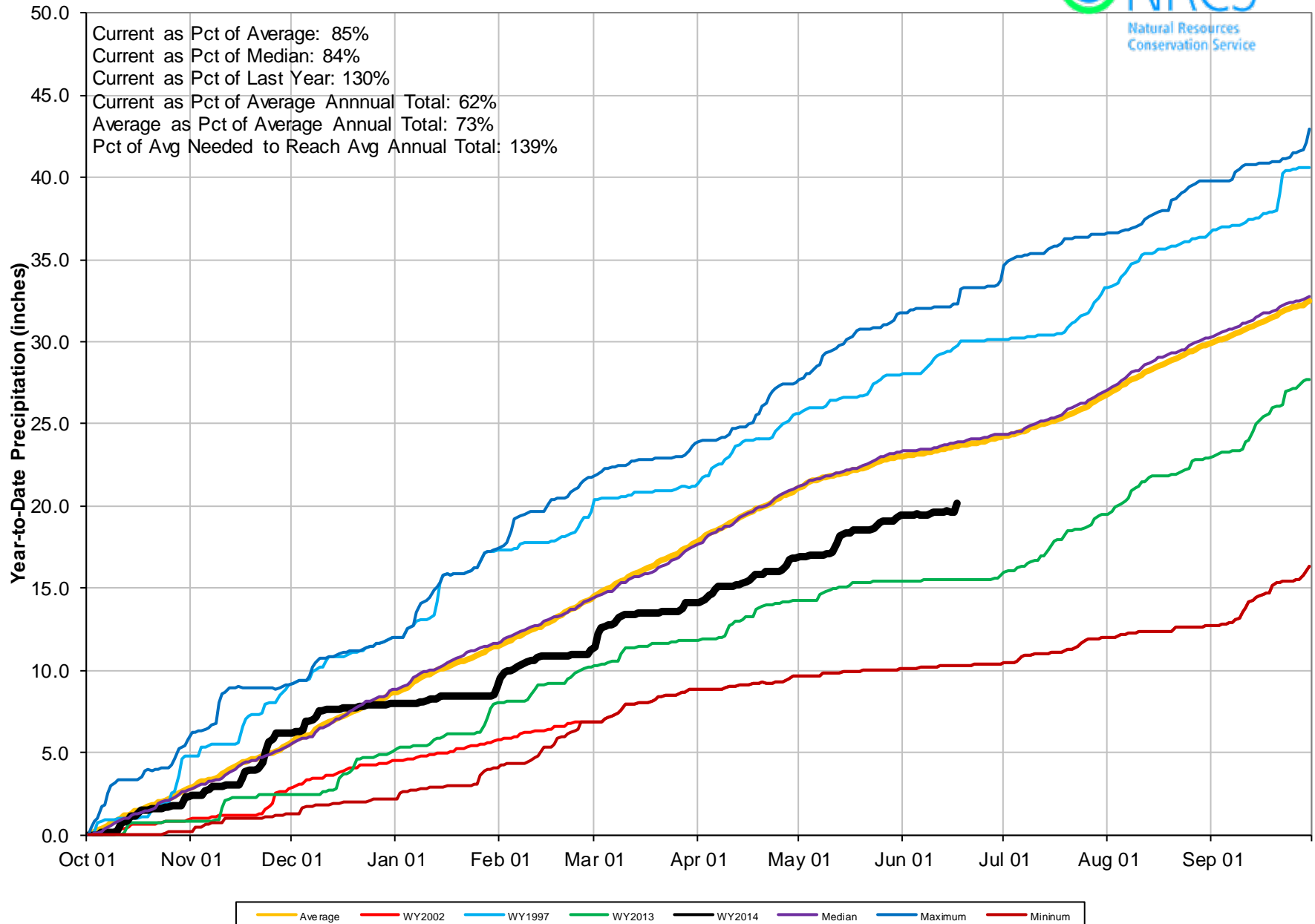
*Based on Provisional SNOTEL data as of Jun 17, 2014*





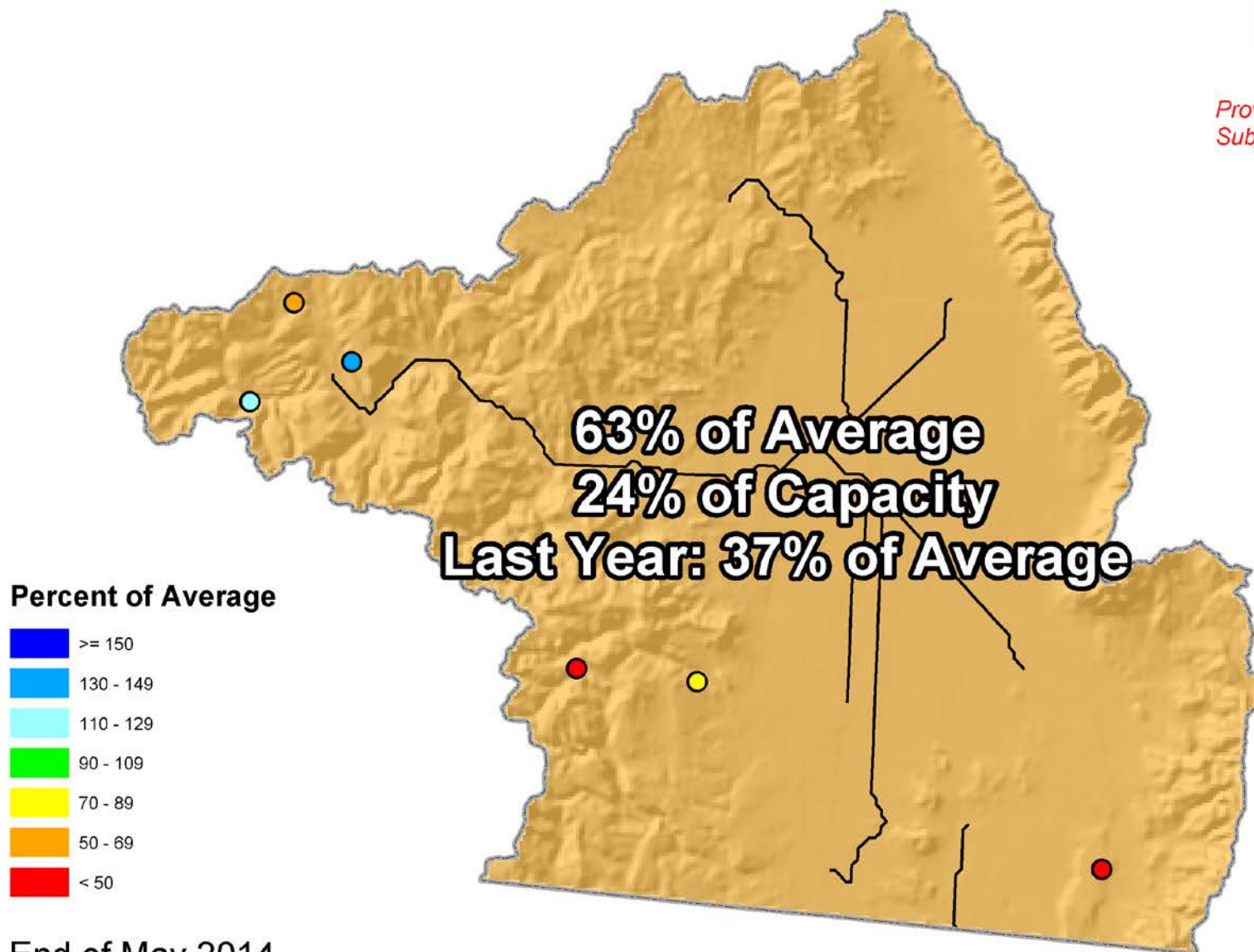
# Upper Rio Grande Basin High/Low Year-to-Date Precipitation Summary

Based on Provisional SNOTEL data as of Jun 17, 2014



# Upper Rio Grande Basin Reservoir Storage Map

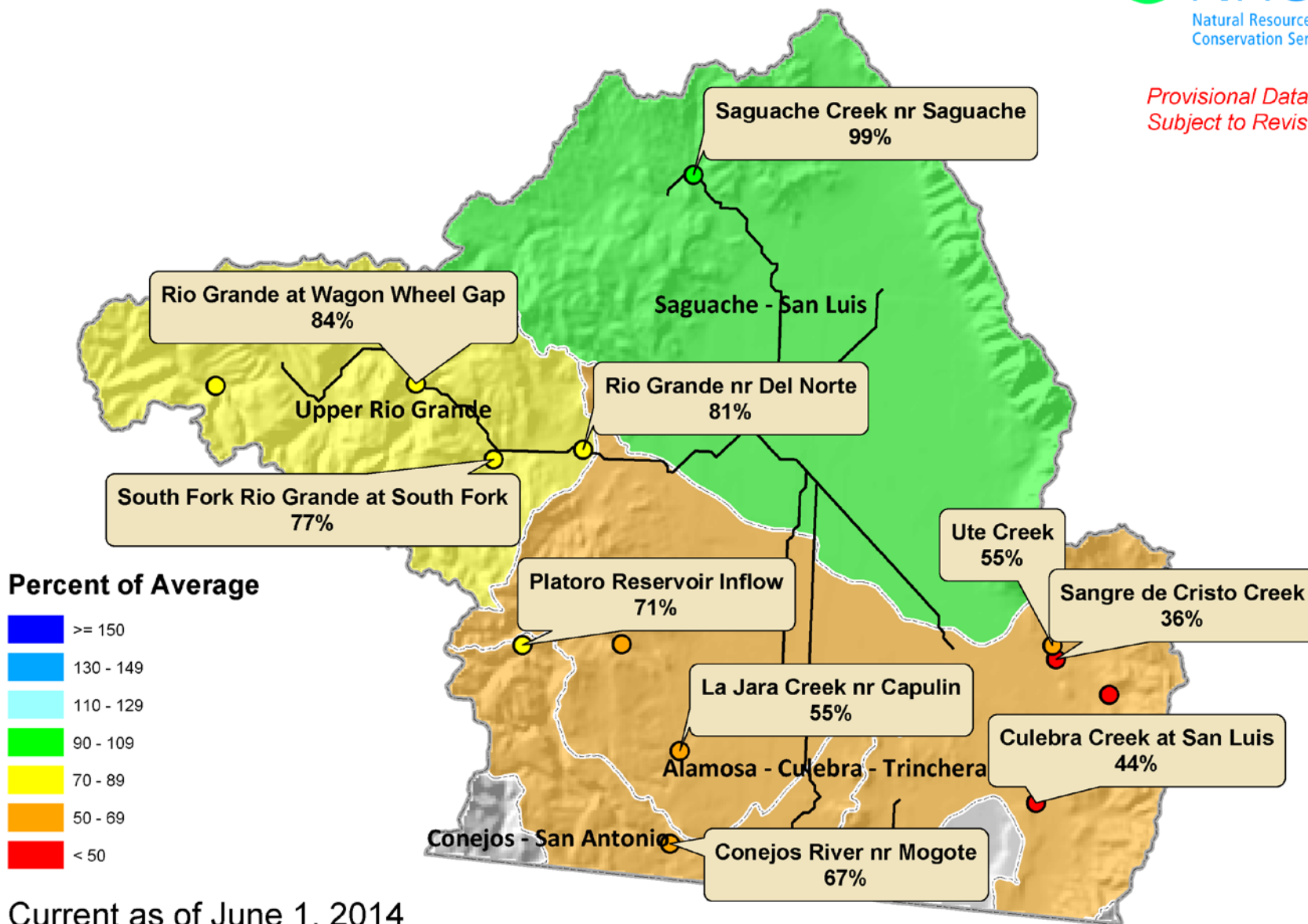
*Provisional Data  
Subject to Revision*



End of May 2014

# Upper Rio Grande Basin Streamflow Forecast Map

*Provisional Data  
Subject to Revision*



# Arkansas River Basin Summary

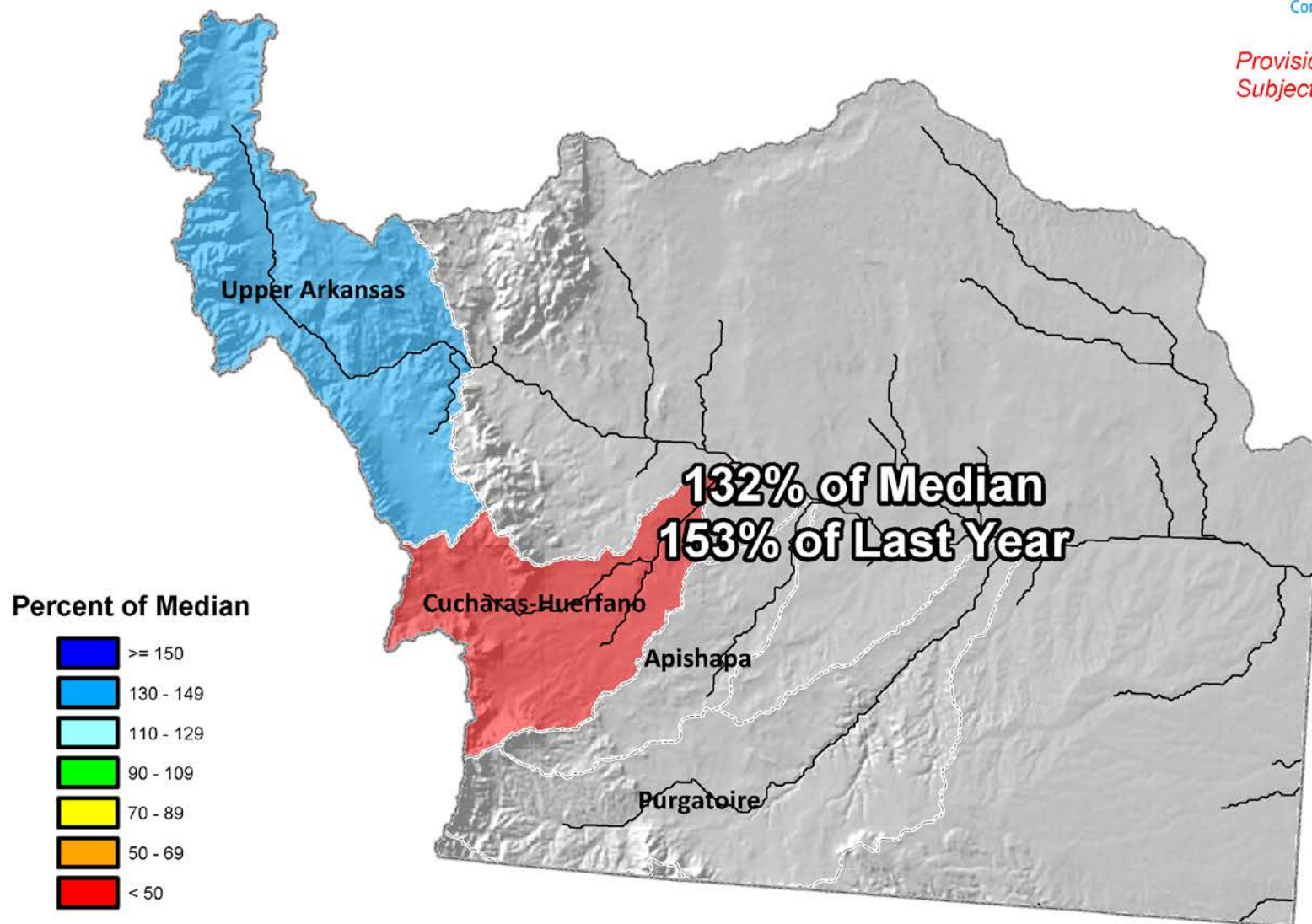




# Arkansas River Basin Snowpack Map



*Provisional Data  
Subject to Revision*

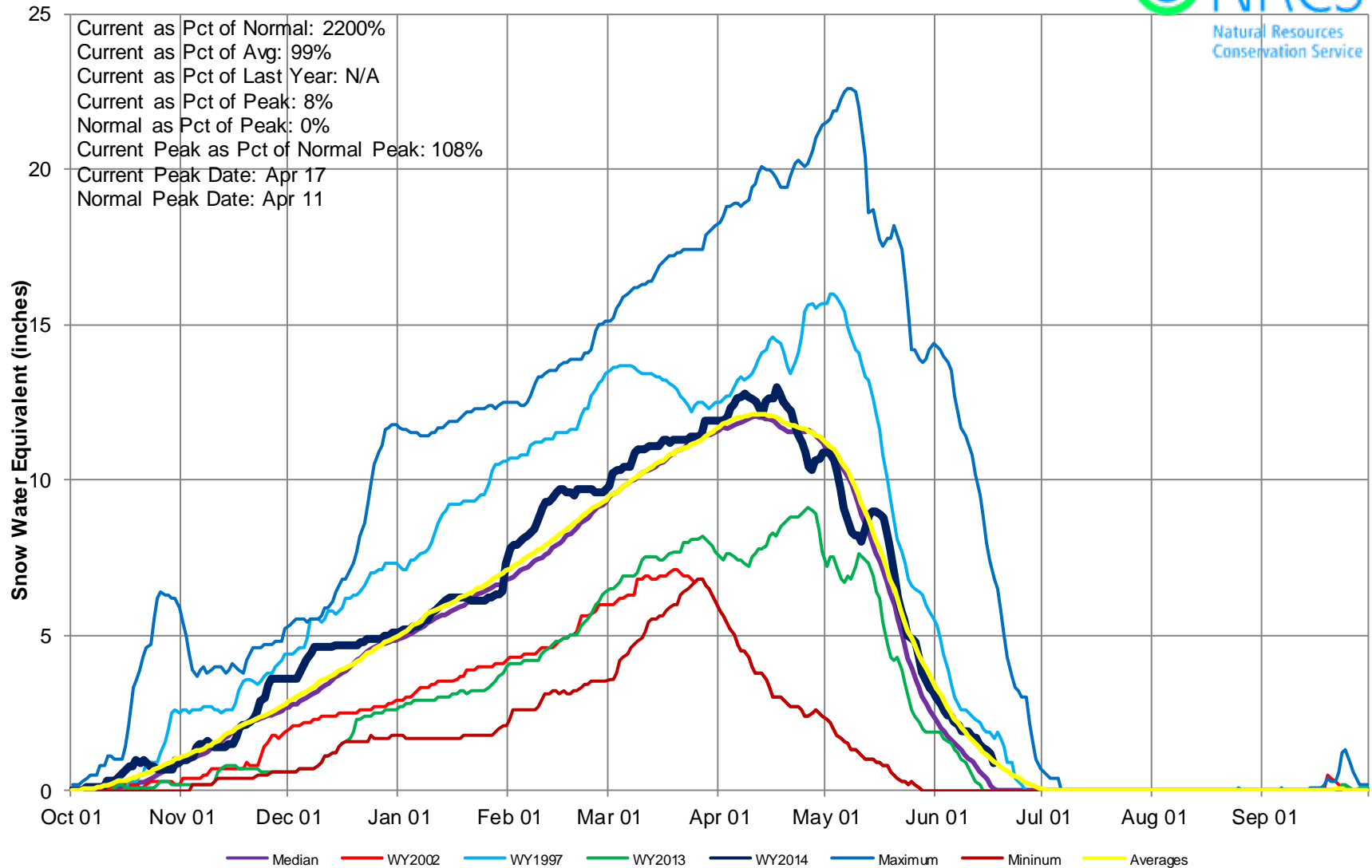


Current as of June 1, 2014



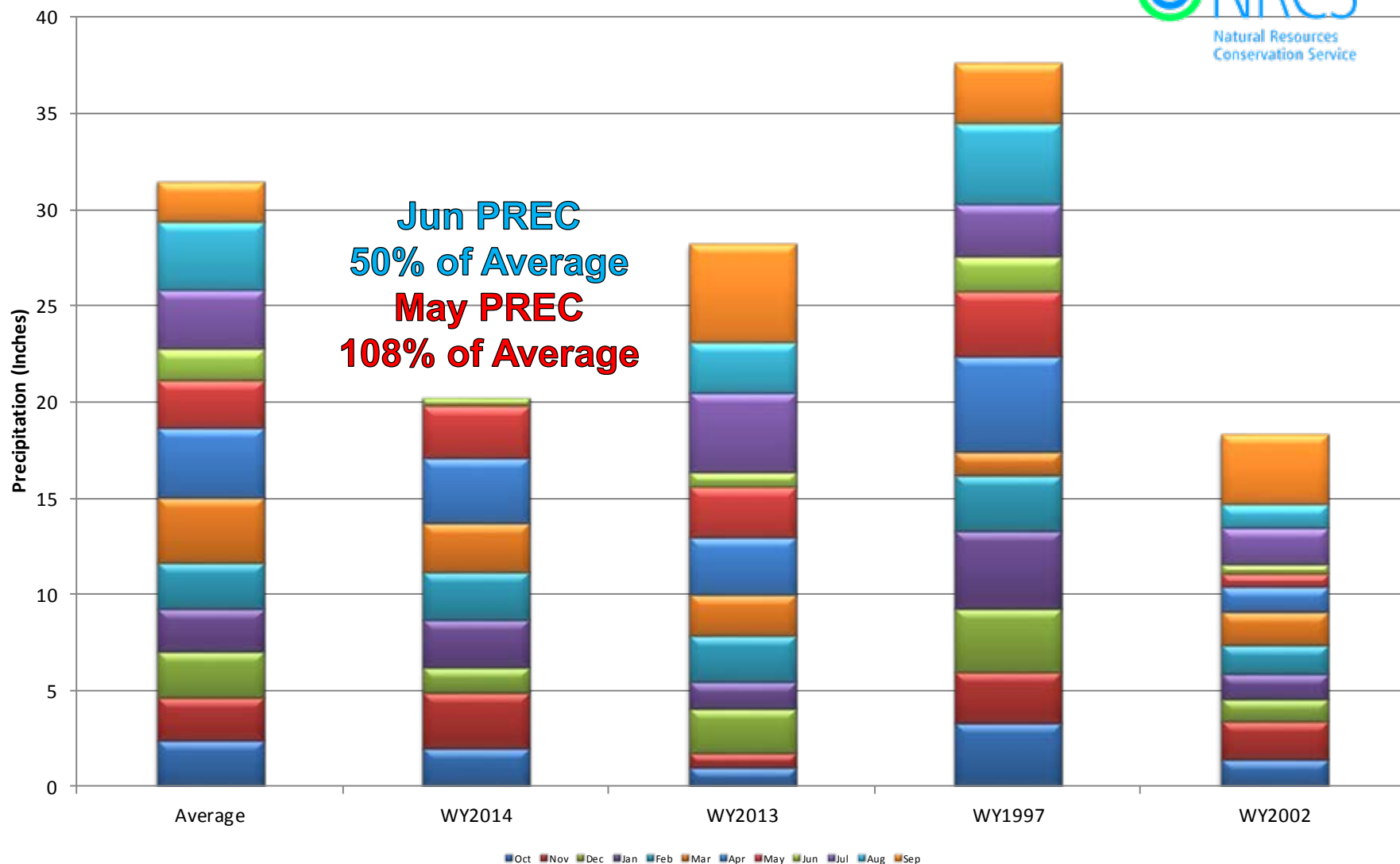
## Arkansas River Basin High/Low Snowpack Summary

*Based on Provisional SNOTEL data as of Jun 17, 2014*



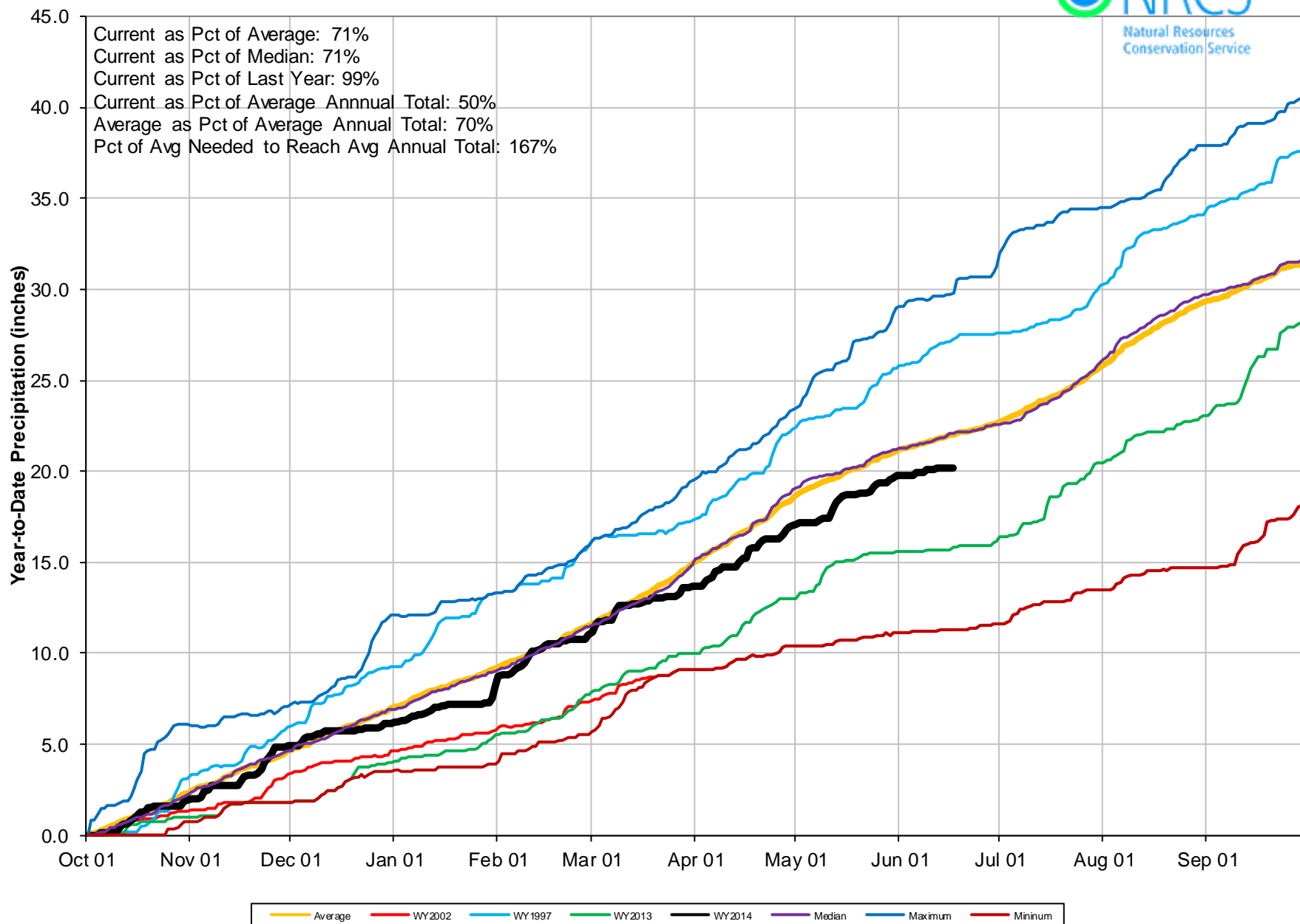
## Arkansas River Basin High/Low Monthly Precipitation Summary

*Based on Provisional SNOTEL data as of Jun 17, 2014*



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

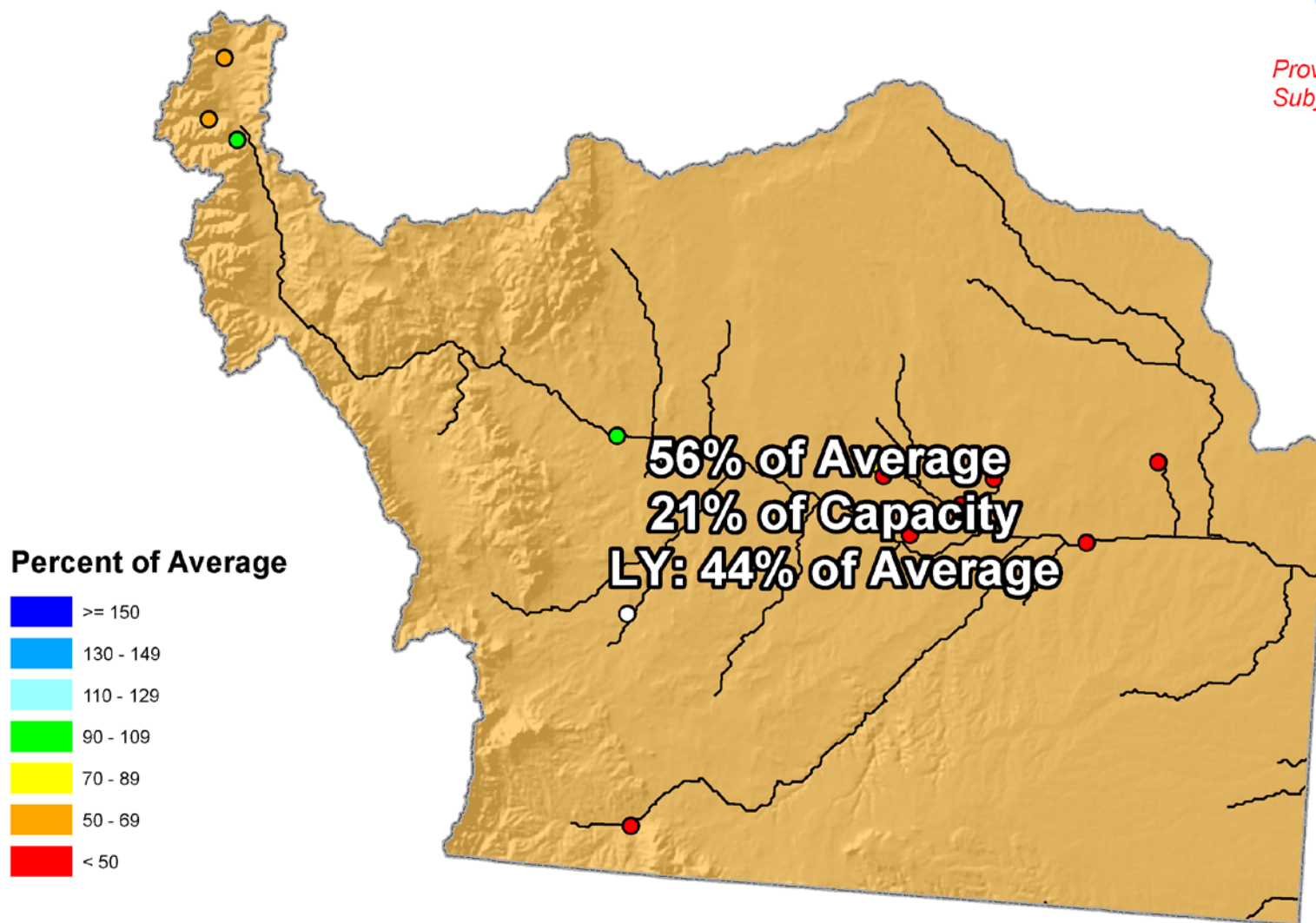
Based on Provisional SNOTEL data as of Jun 17, 2014



# Arkansas River Basin Reservoir Storage Map



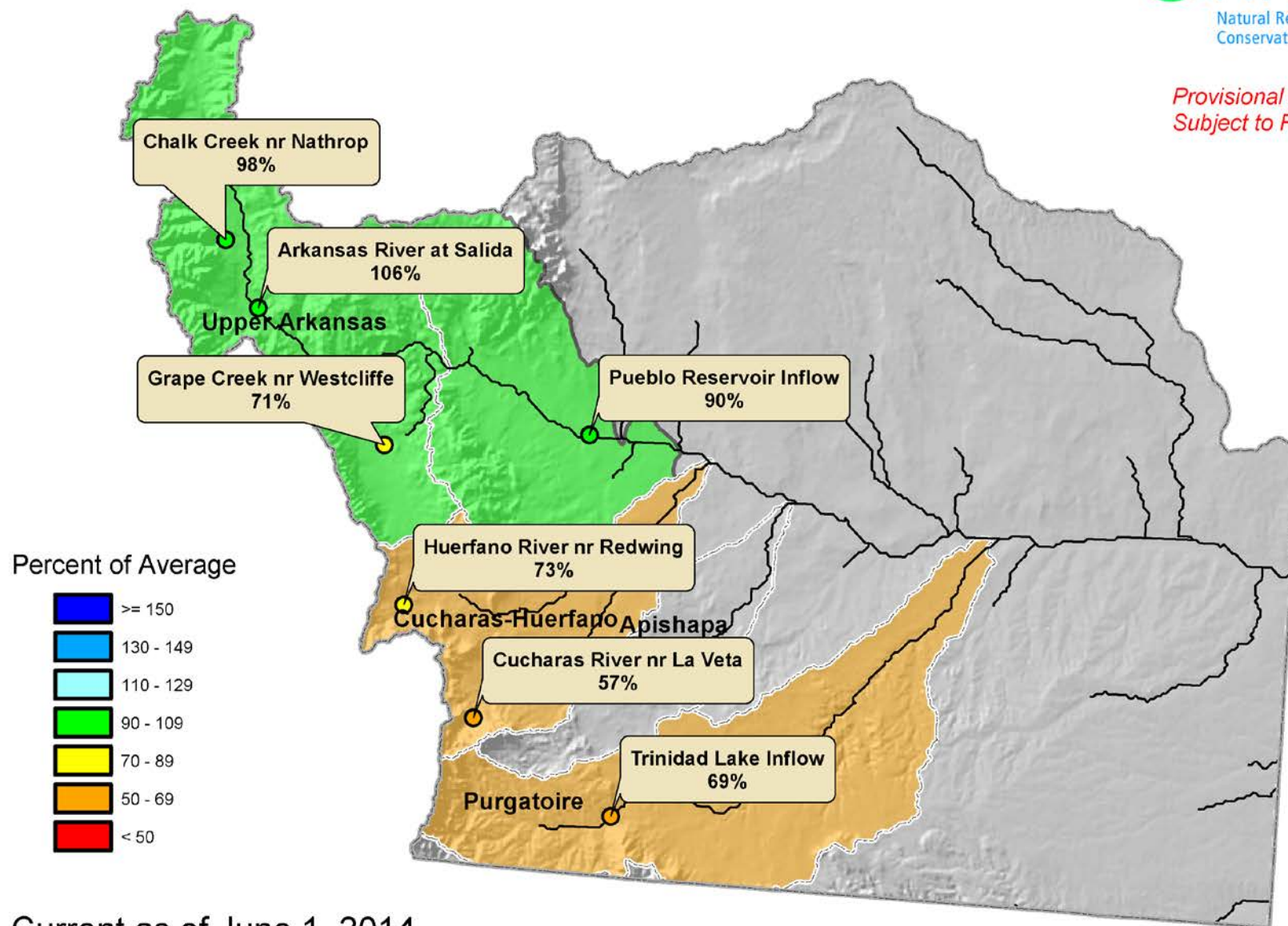
*Provisional Data  
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End of May 2014

# Arkansas River Basin Streamflow Forecast Map

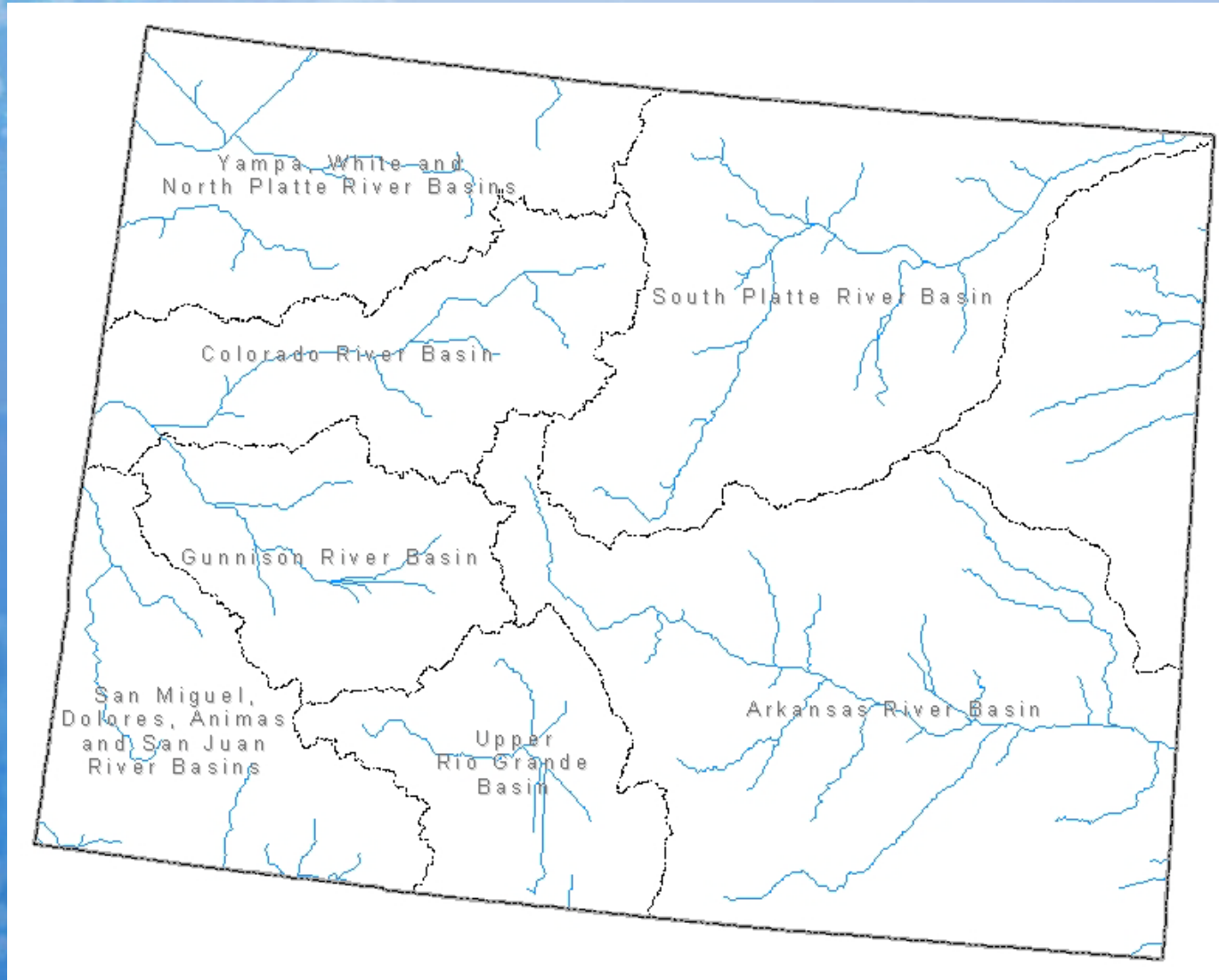
*Provisional Data  
Subject to Revision*



Current as of June 1, 2014

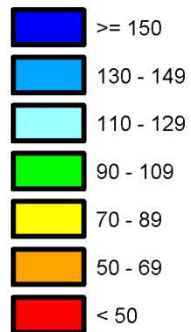


# Colorado Statewide Summary

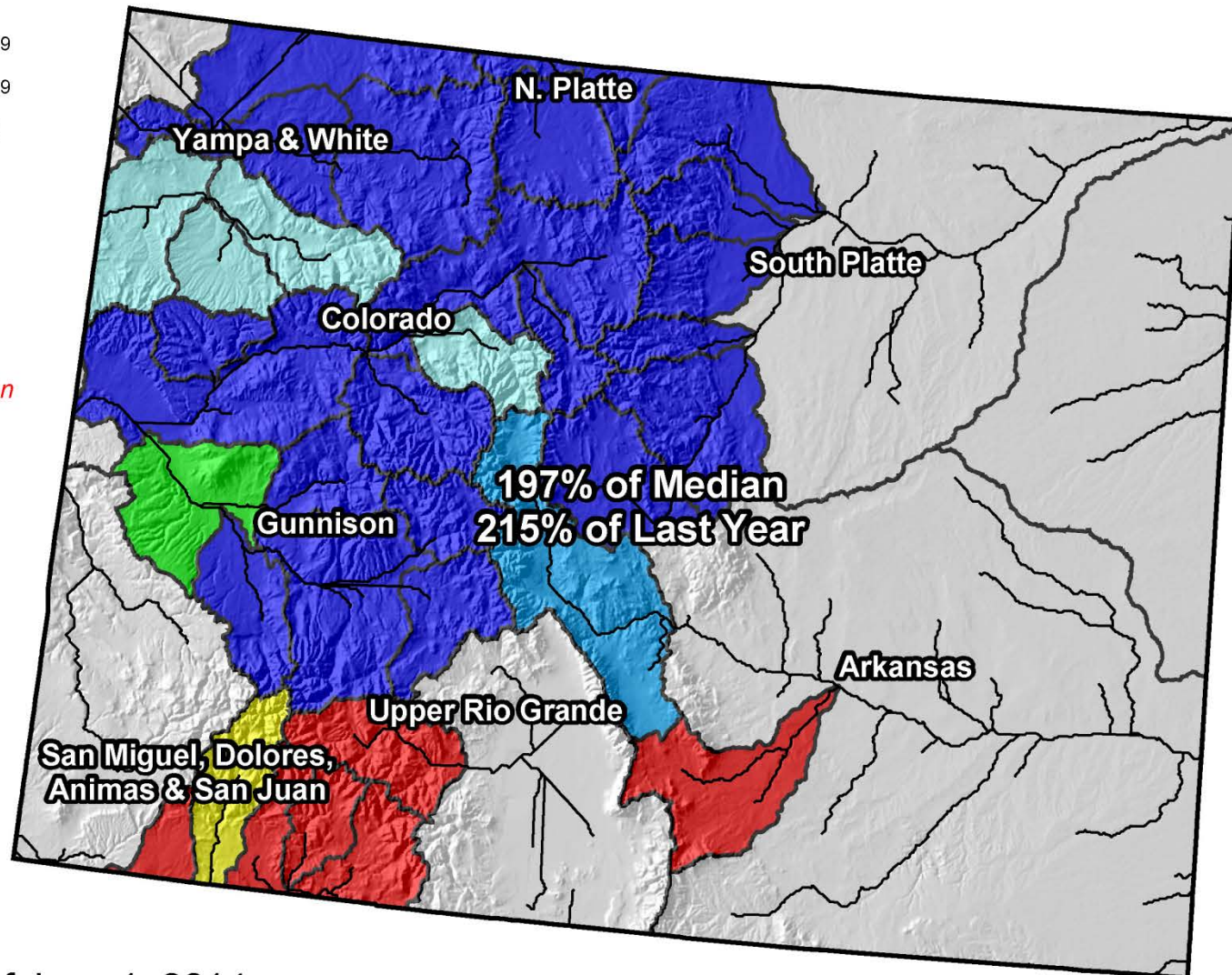


# Colorado Snowpack Map

## Percent of Median



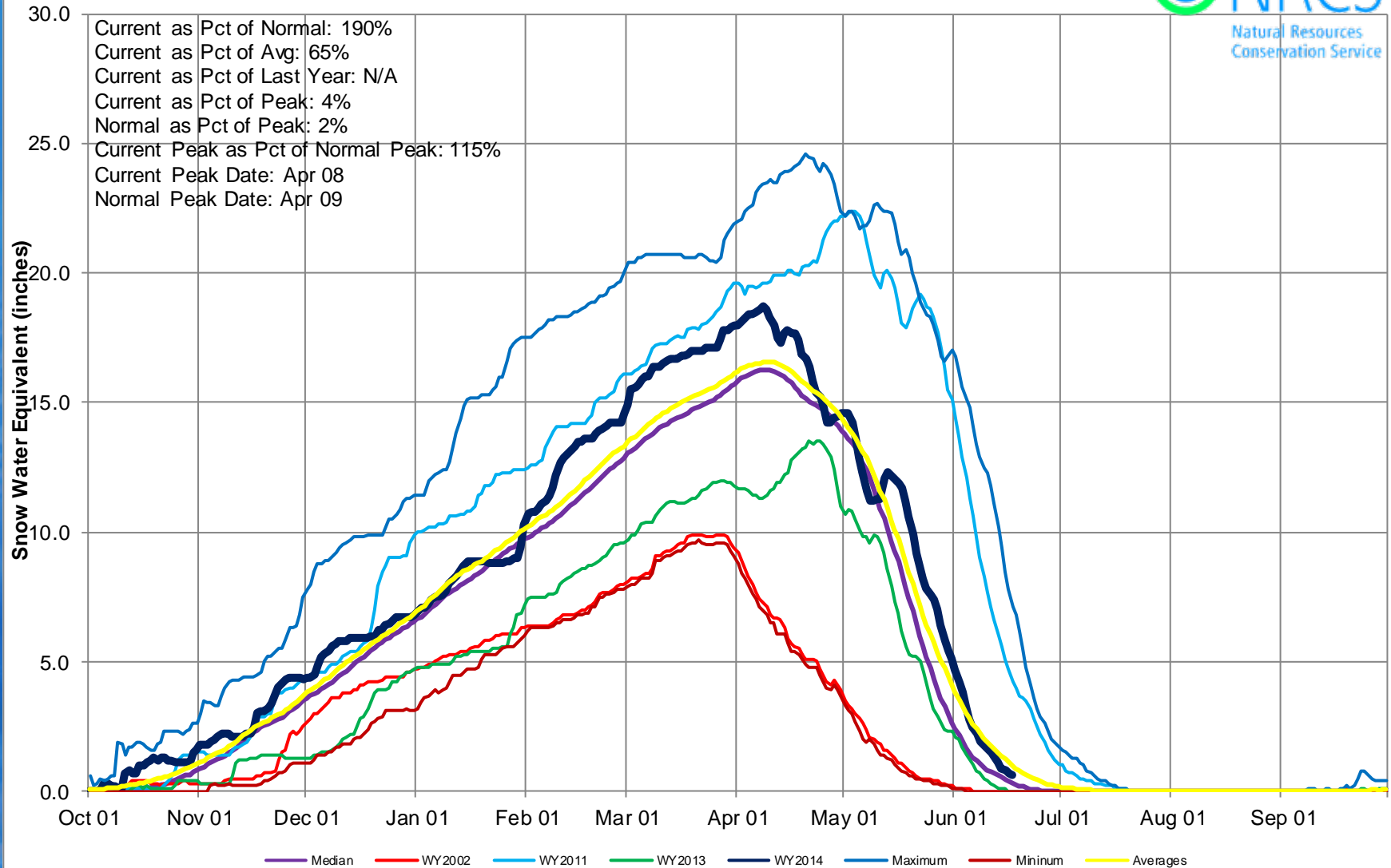
*Provisional Data  
Subject to Revision*



Current as of June 1, 2014

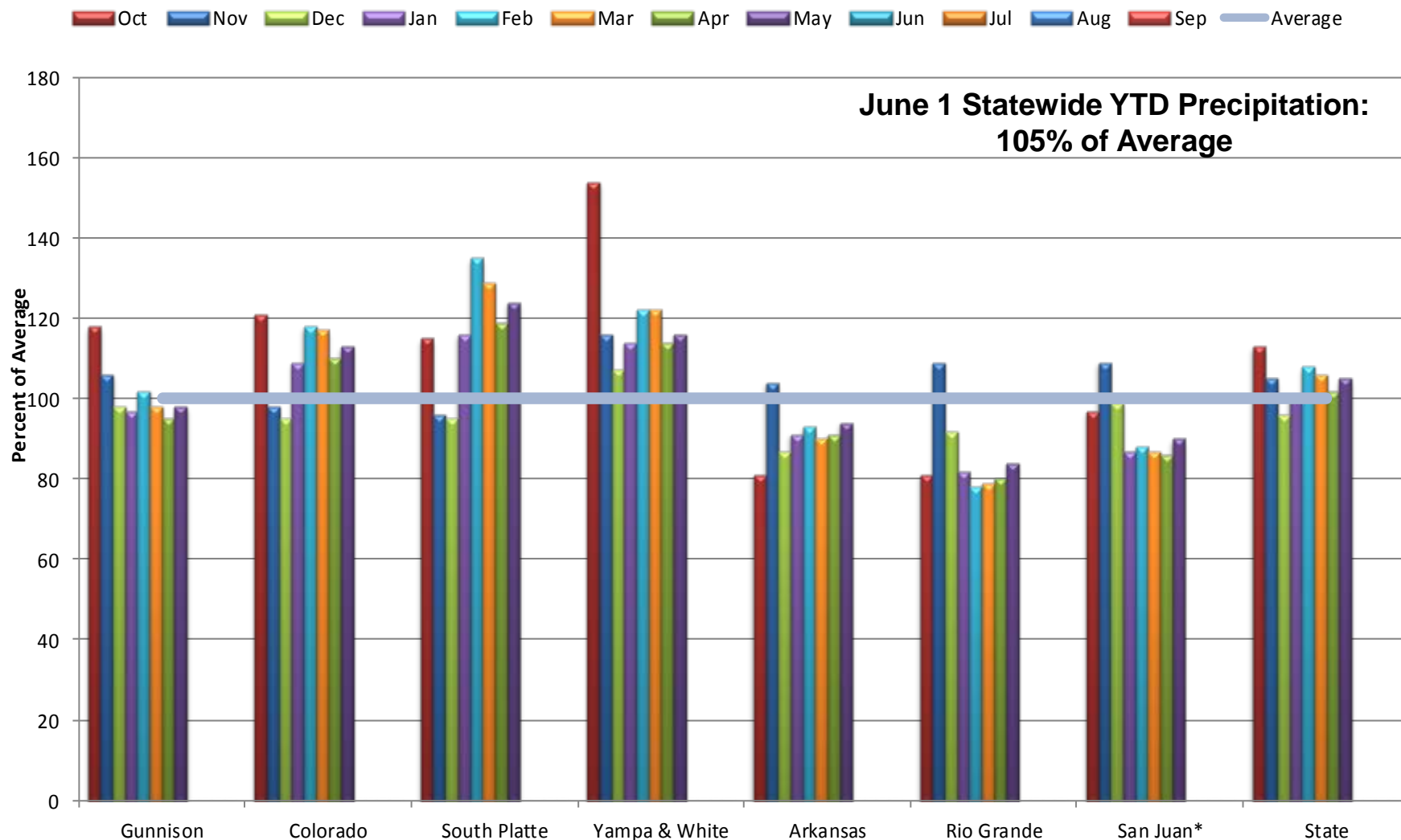
## Colorado Statewide High/Low Snowpack Summary

*Based on Provisional SNOTEL data as of Jun 17, 2014*



# Colorado Year-to-Date Precipitation Summary for WY2014

USDA Natural Resources Conservation Service

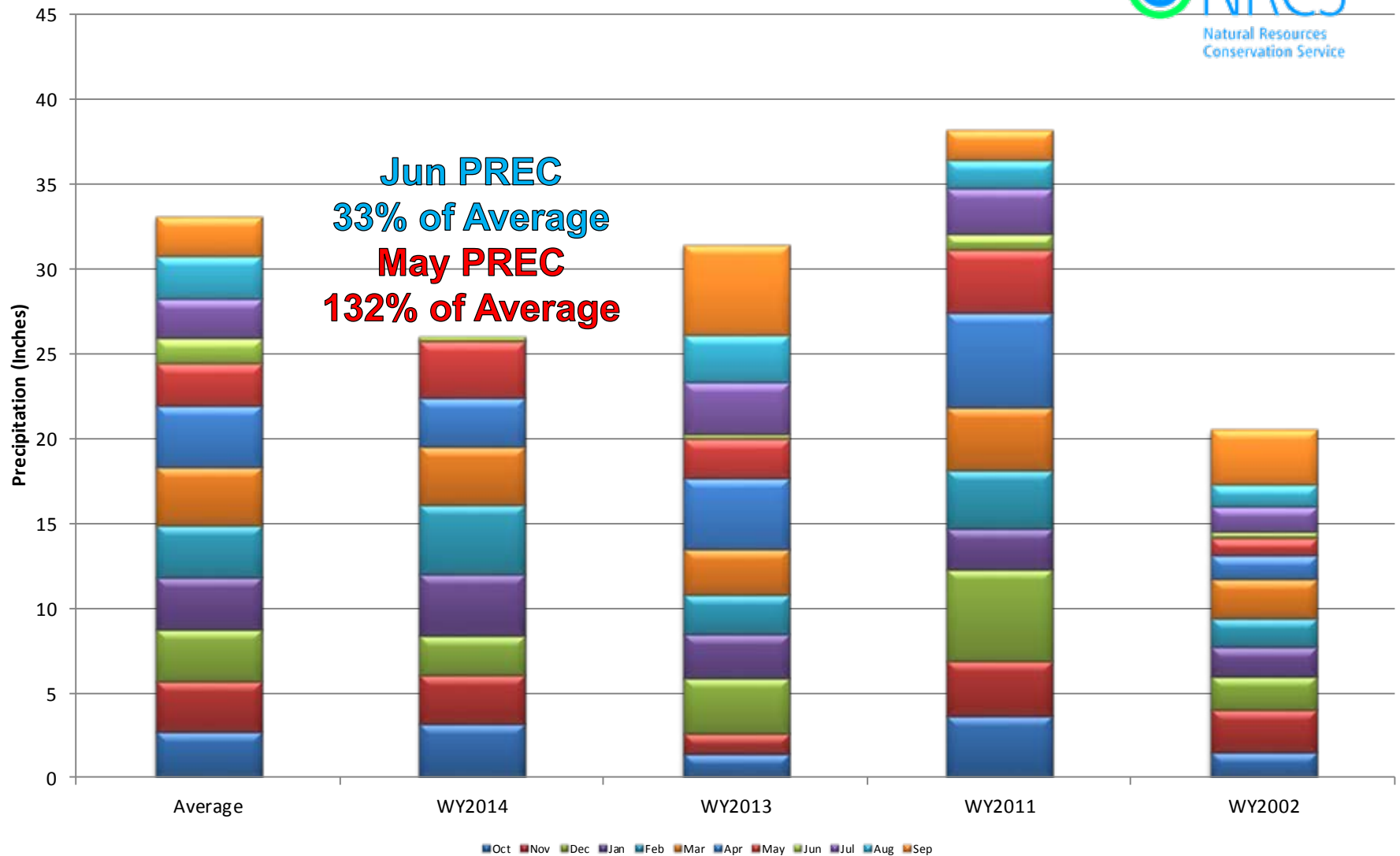


\*Includes Animas, Dolores, San Miguel Basins



## Colorado Statewide High/Low Monthly Precipitation Summary

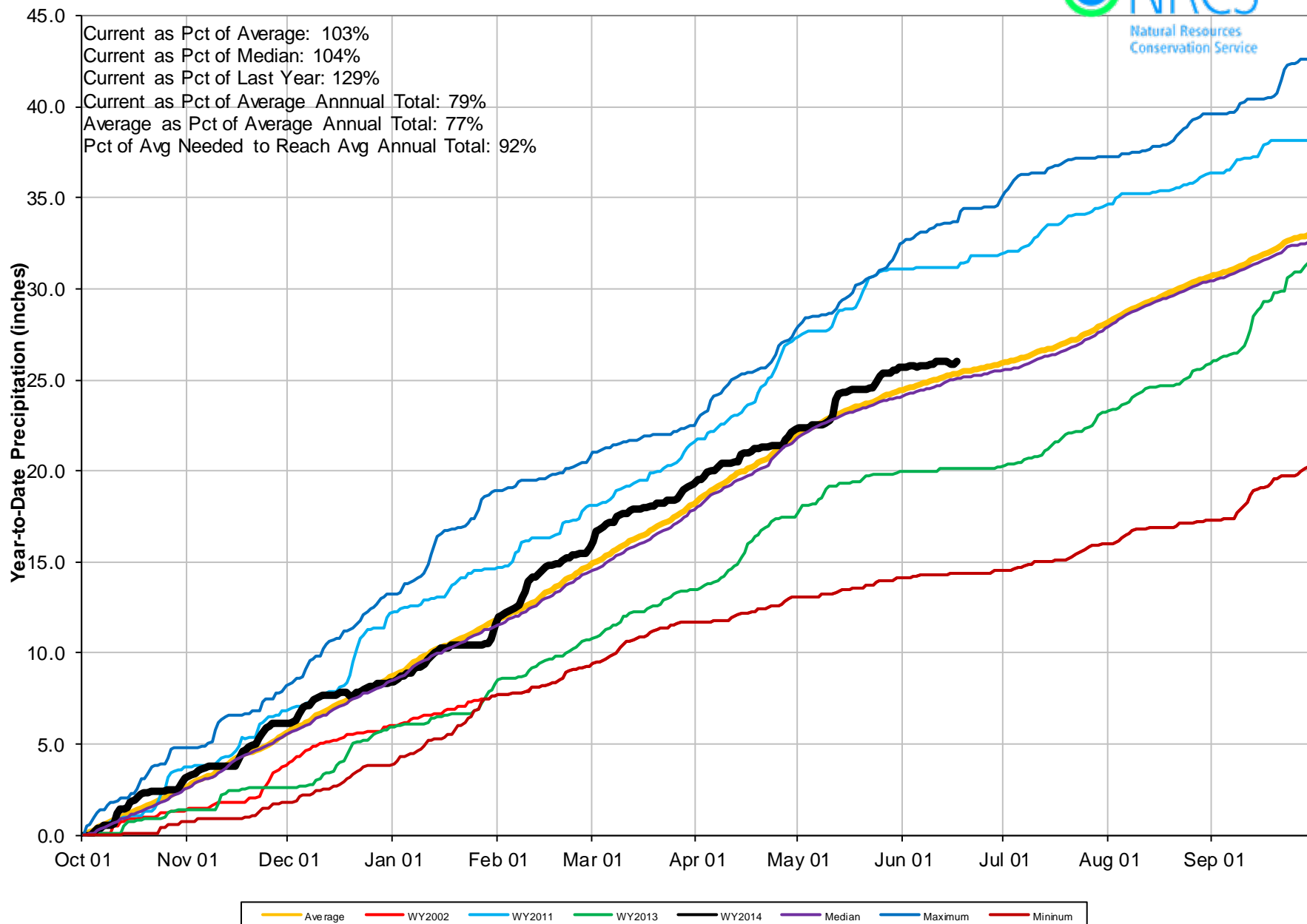
*Based on Provisional SNOTEL data as of Jun 17, 2014*





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

*Based on Provisional SNOTEL data as of Jun 17, 2014*

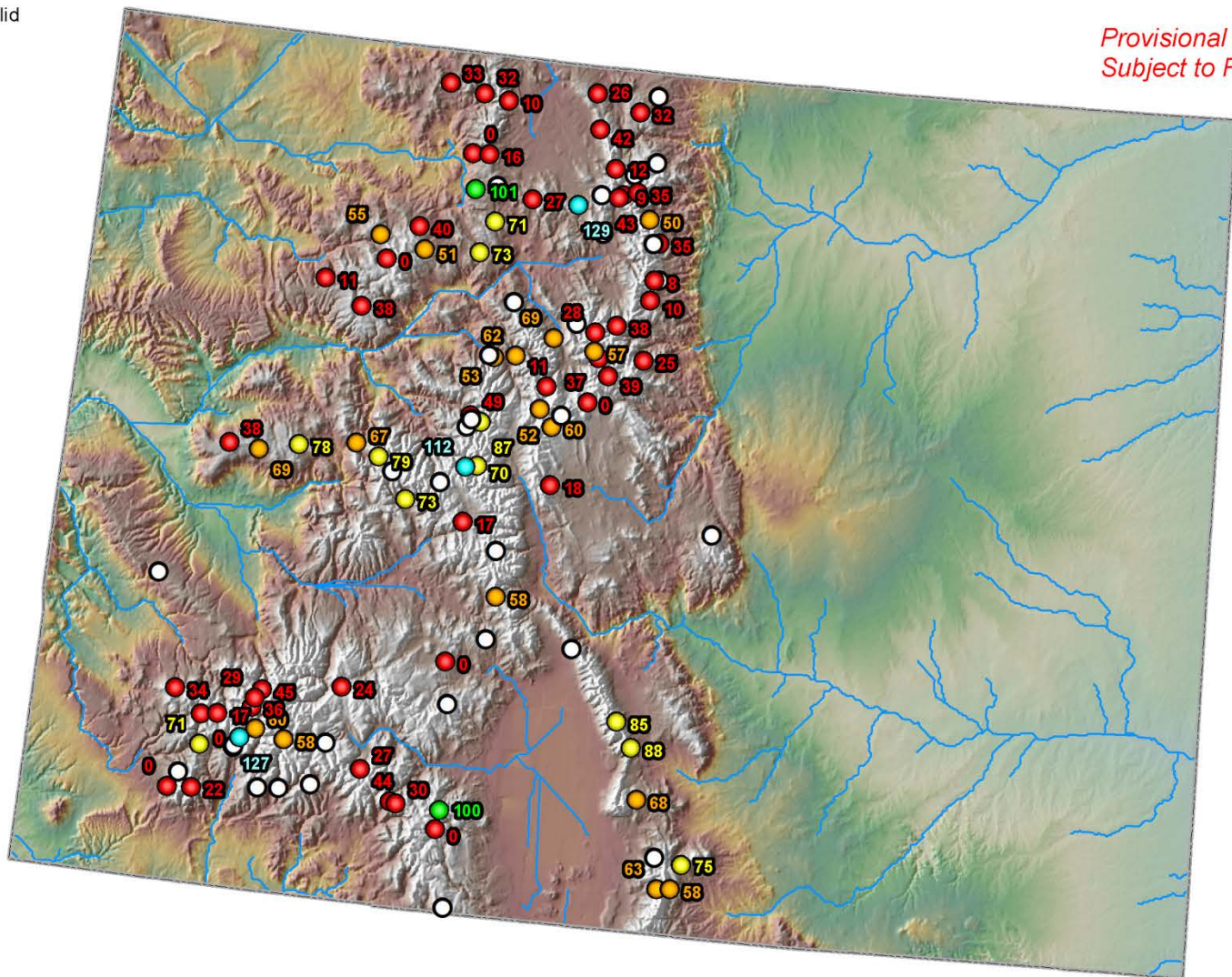


# Colorado SNOTEL Month-to-Date Precipitation

Percent of Average

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

*Provisional Data  
Subject to Revision*

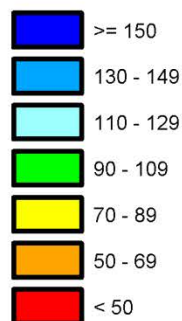


Current as of 06 17, 2014

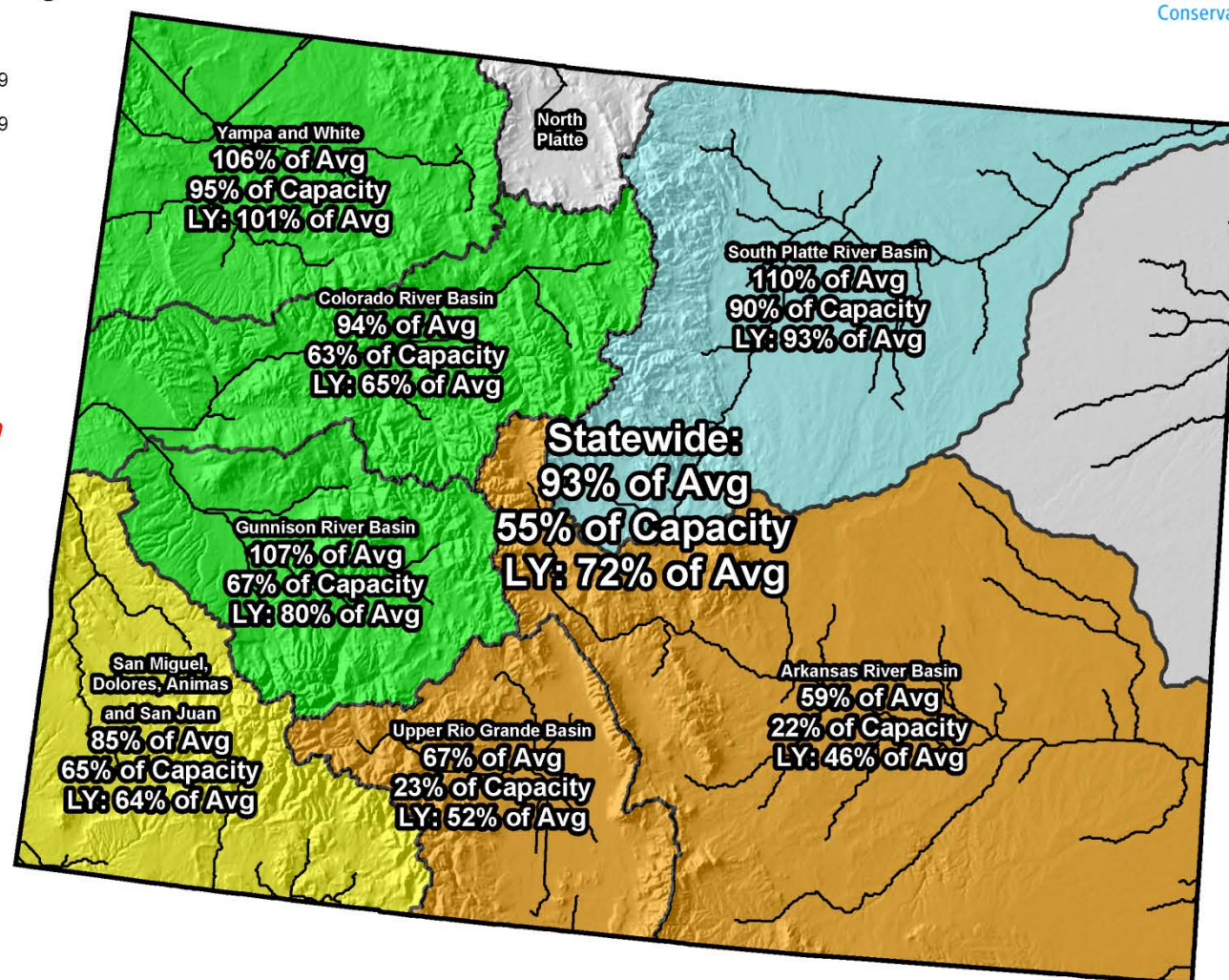


# Colorado Reservoir Storage Map

## Percent of Average



*Provisional Data  
Subject to Revision*



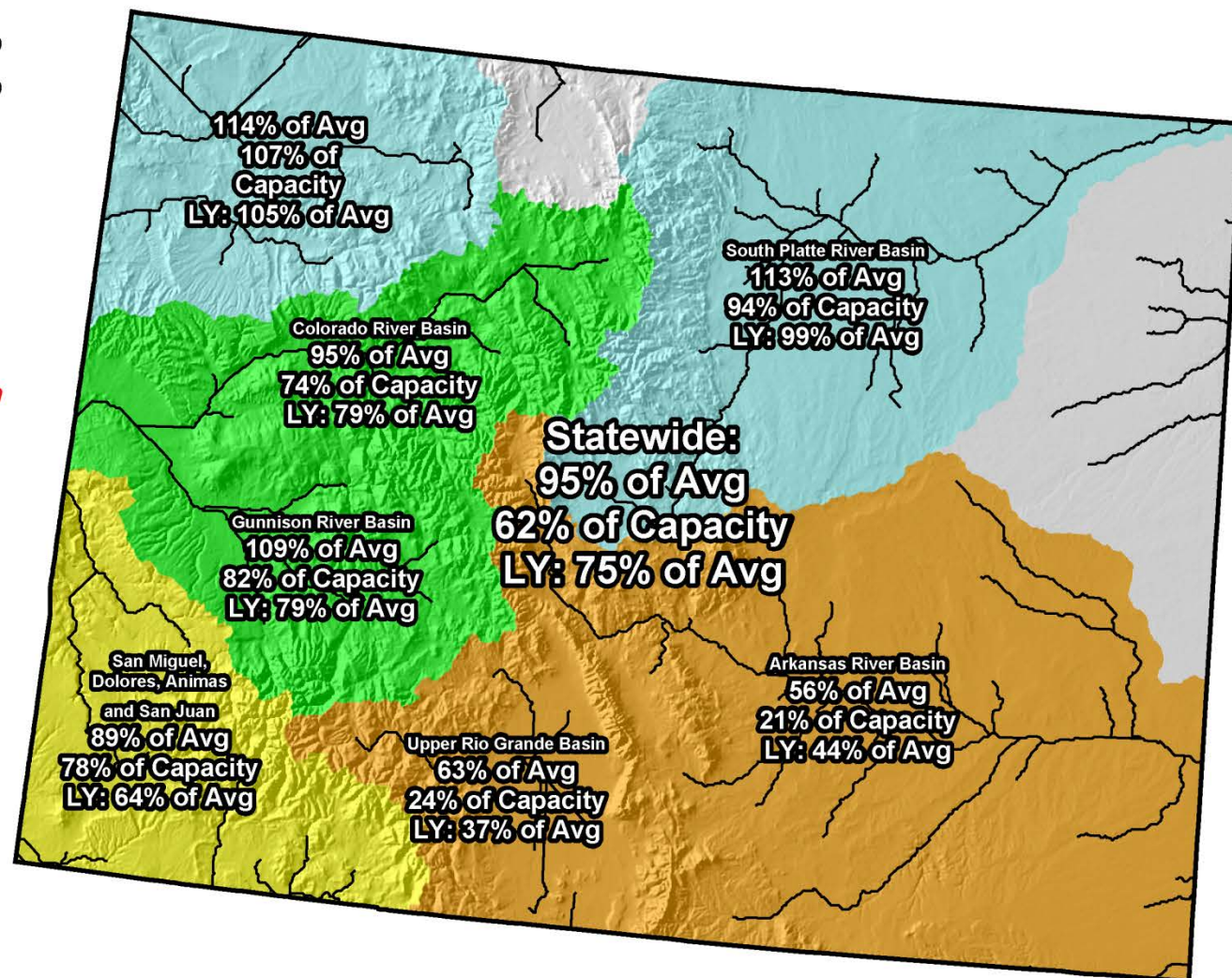
End of April 2014

# Colorado Reservoir Storage Map

## Percent of Average



*Provisional Data  
Subject to Revision*



End of May 2014

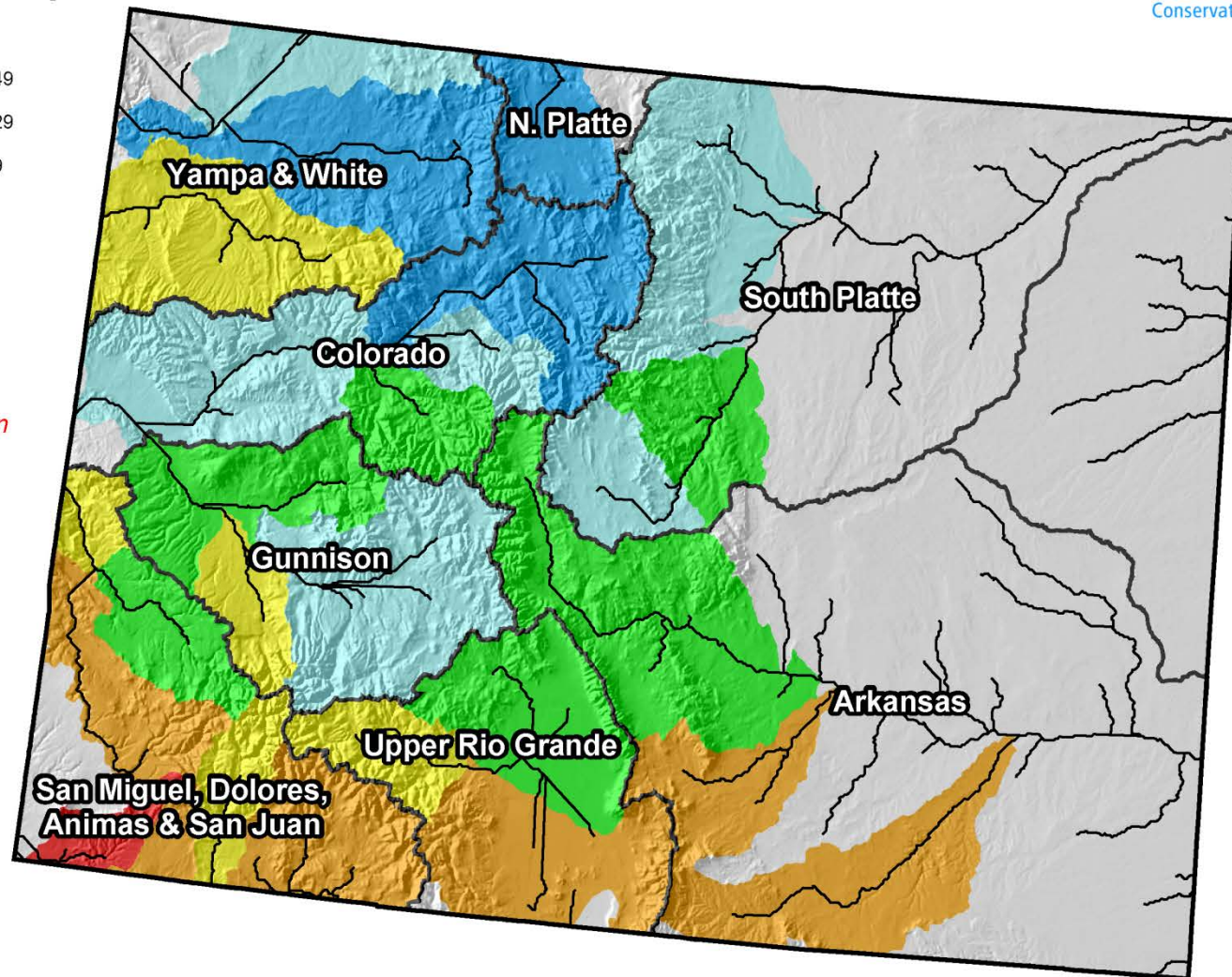


# Colorado Streamflow Forecast Map

## Percent of Average



*Provisional Data  
Subject to Revision*

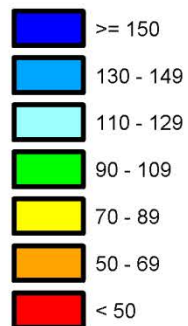


Current as of May 1, 2014

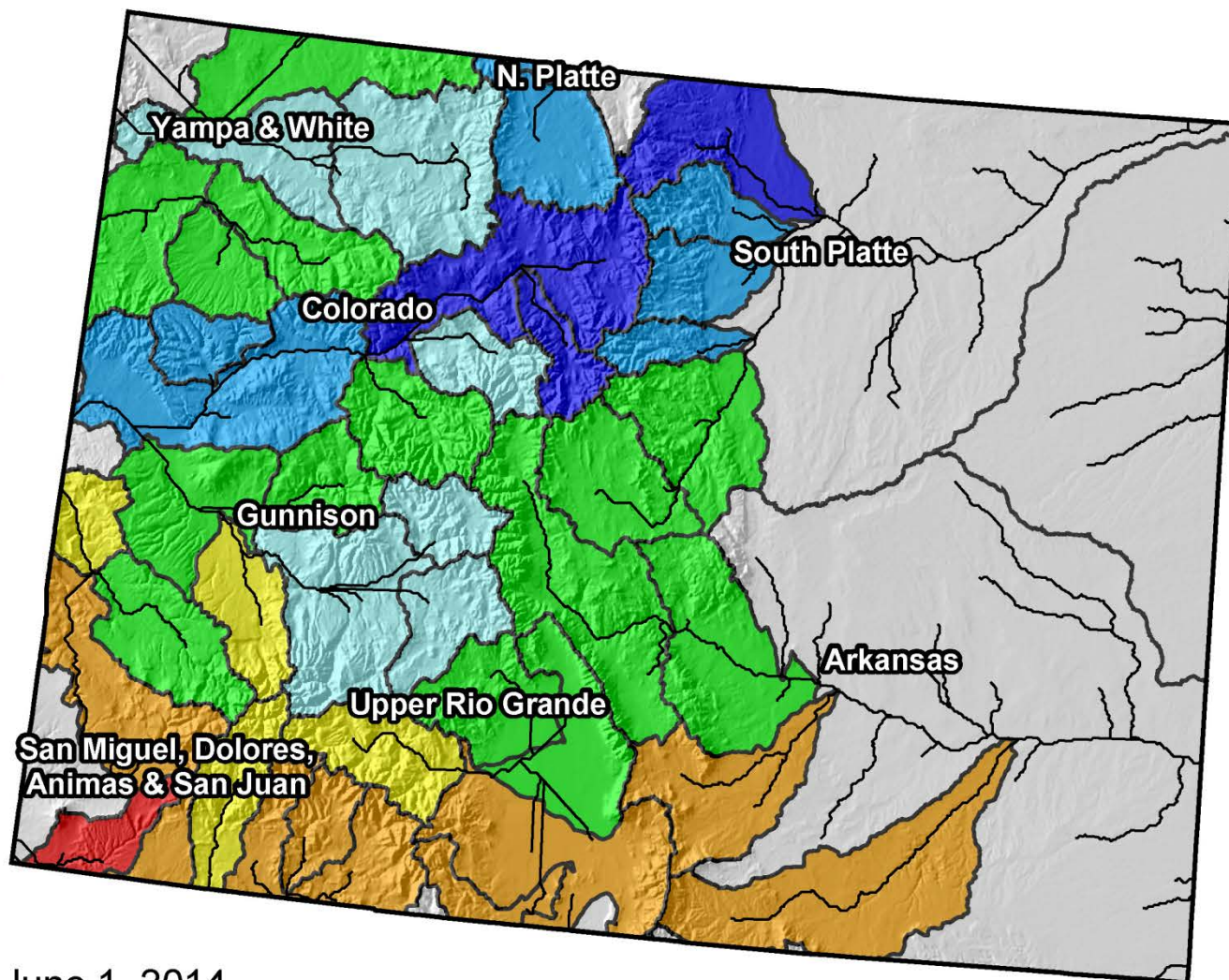


# Colorado Streamflow Forecast Map

## Percent of Average



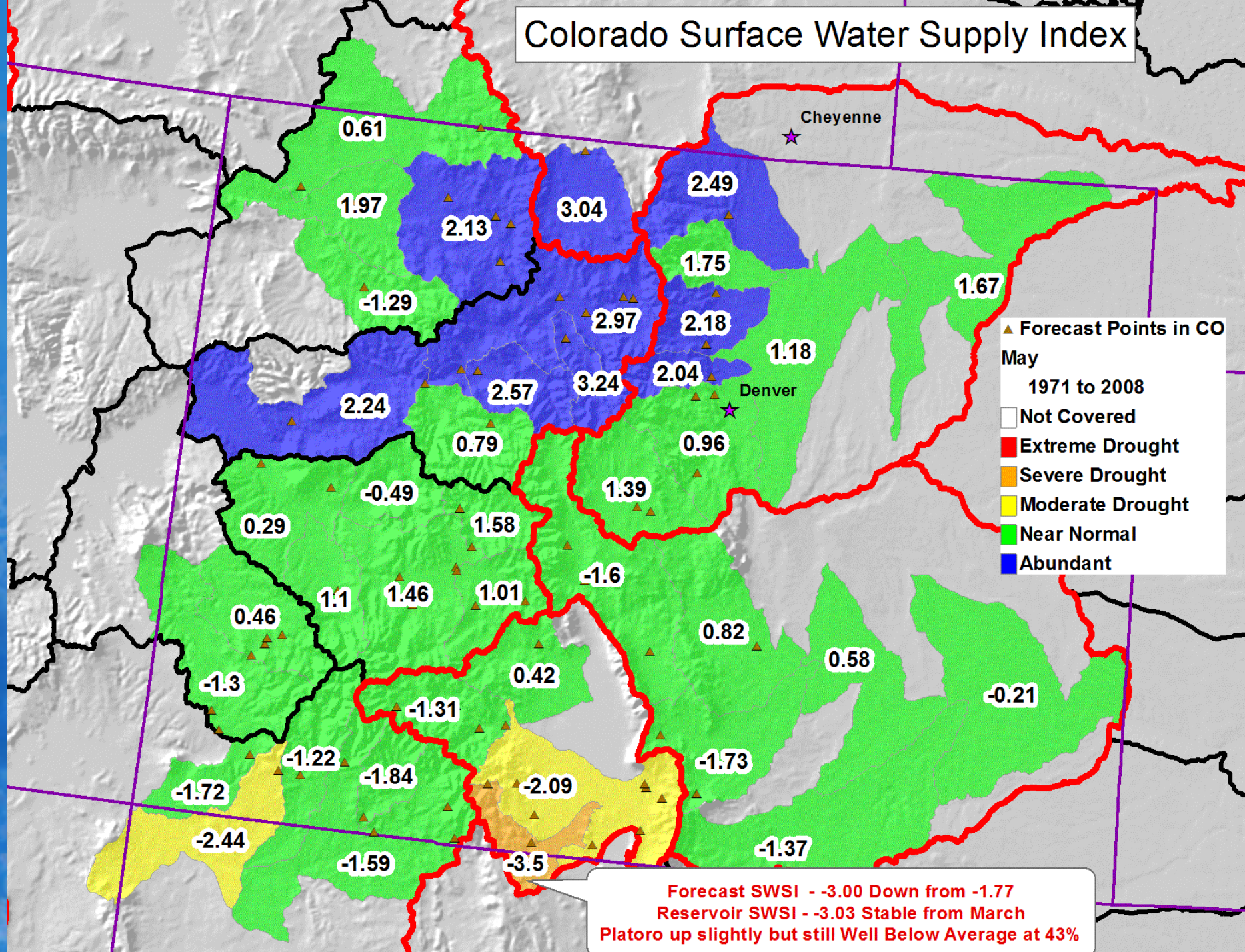
*Provisional Data  
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Current as of June 1, 2014

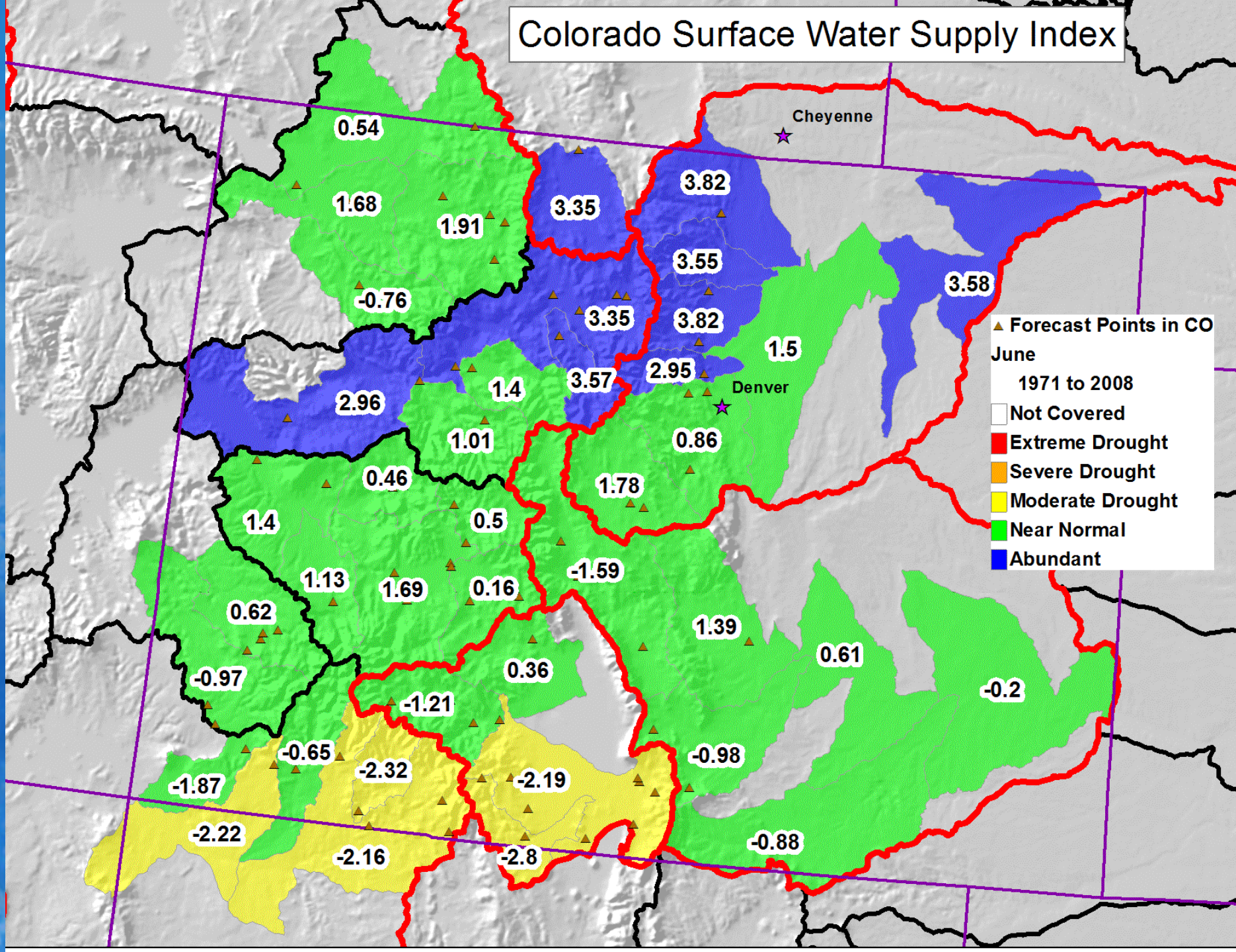


# Colorado Surface Water Supply Index





# Colorado Surface Water Supply Index





# Summary

- Precip during May was front loaded, with the large majority occurring during the storm of the second week of the month
- Streamflows due to snowmelt should be on the recession
- June 1 SWSIs saw little change from May 1, just a few minor changes in all direction, but in general water supplies look to be in good standing in the northern three quarters of the state. Although June's current lack of precip is hanging over us like an ominous cloud, or I guess that would be a lack there of!
- As of May 1 – of the 41 SWSIs in the state only five in are in the lower quartile. Nine are in the upper quartile.
- Variation among many parameters exists this month - be sure to consult the Basin Outlook Report or our webpage for specifics

# Water Availability Task Force Meeting

## June 18<sup>th</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/>