

NRCS – Snow Survey & Water Supply Forecasting

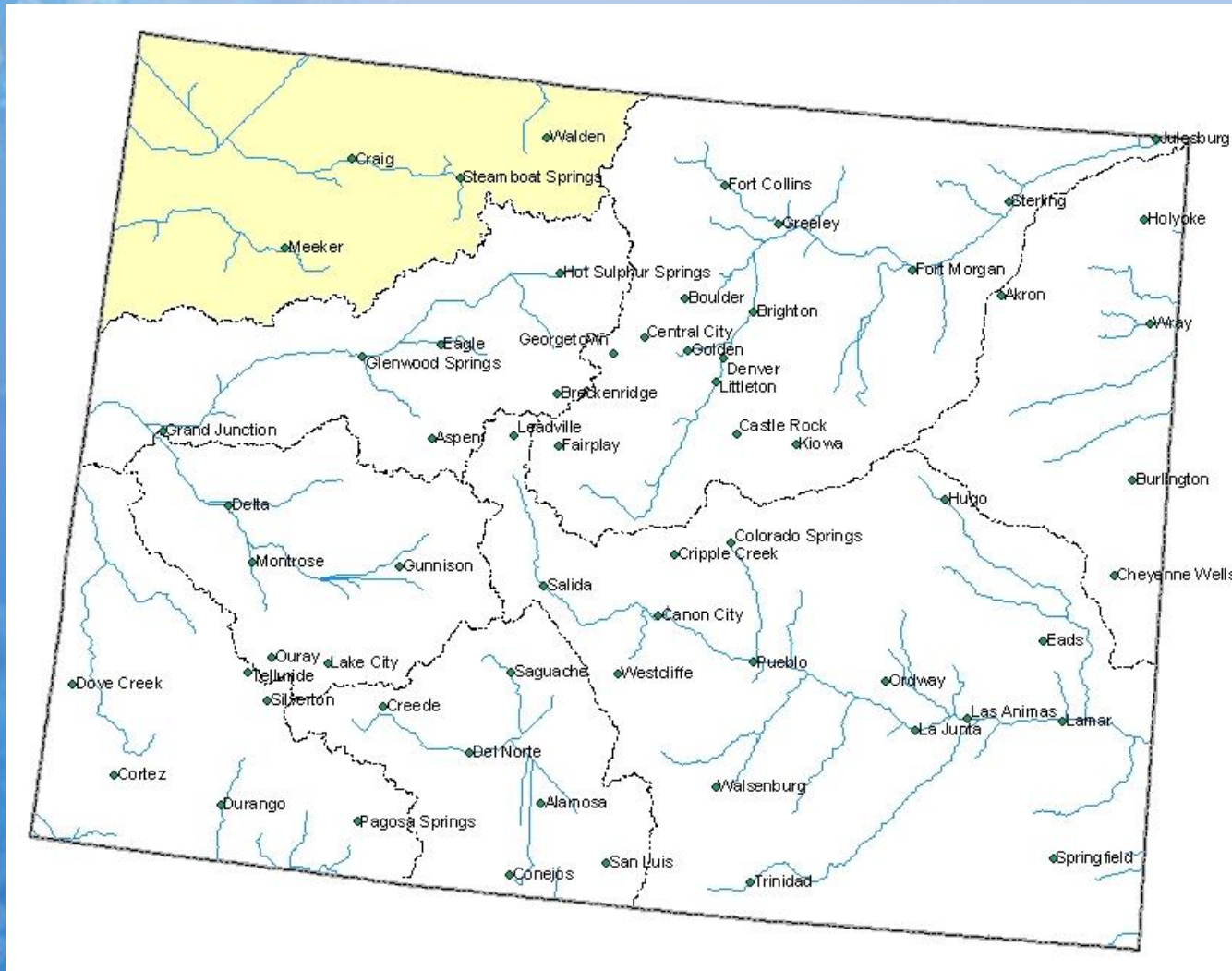
Water Availability Task Force Meeting February 13th , 2014

Mage Hultstrand

Assistant Snow Survey Supervisor

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

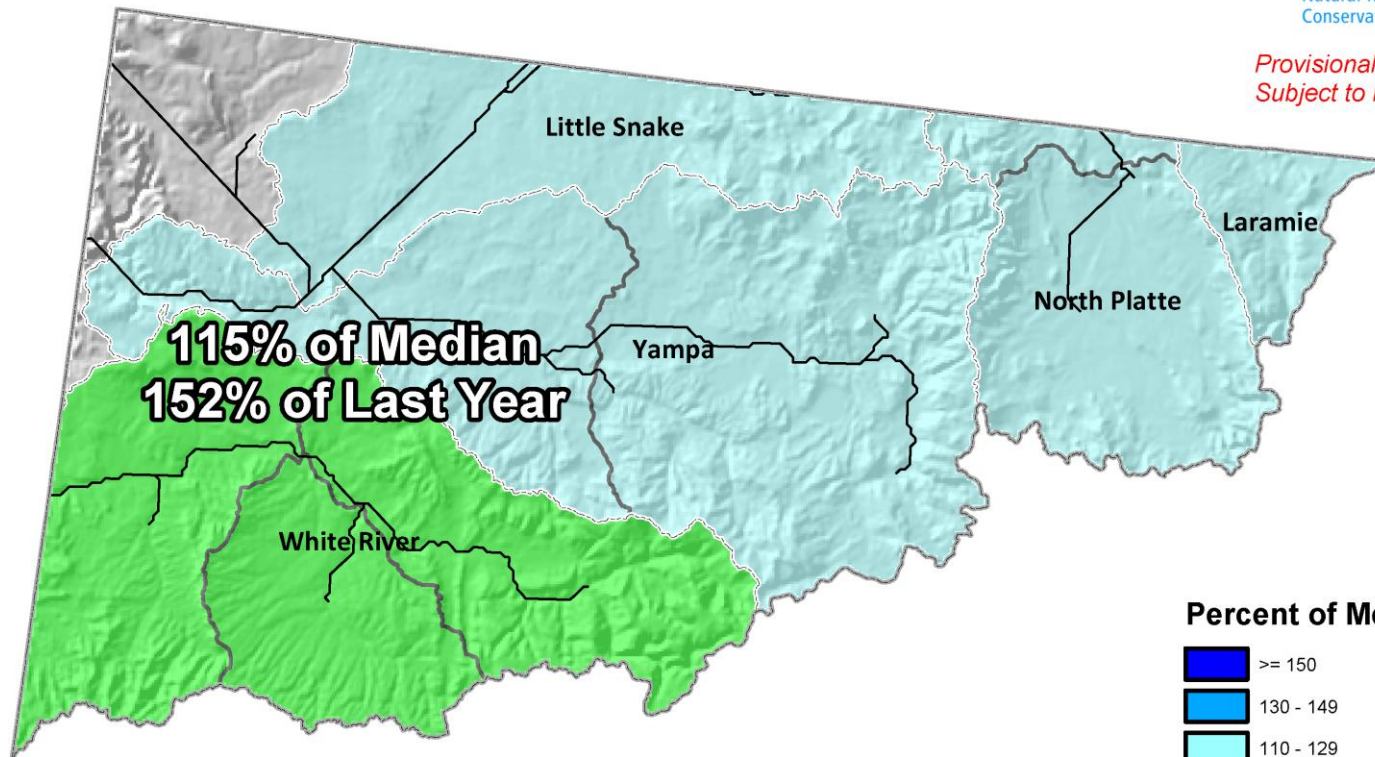
Yampa, White & North Platte River Basins Summary



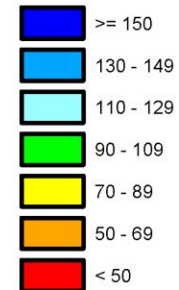
Yampa, White and North Platte River Basins Snowpack Map



*Provisional Data
Subject to Revision*



Percent of Median



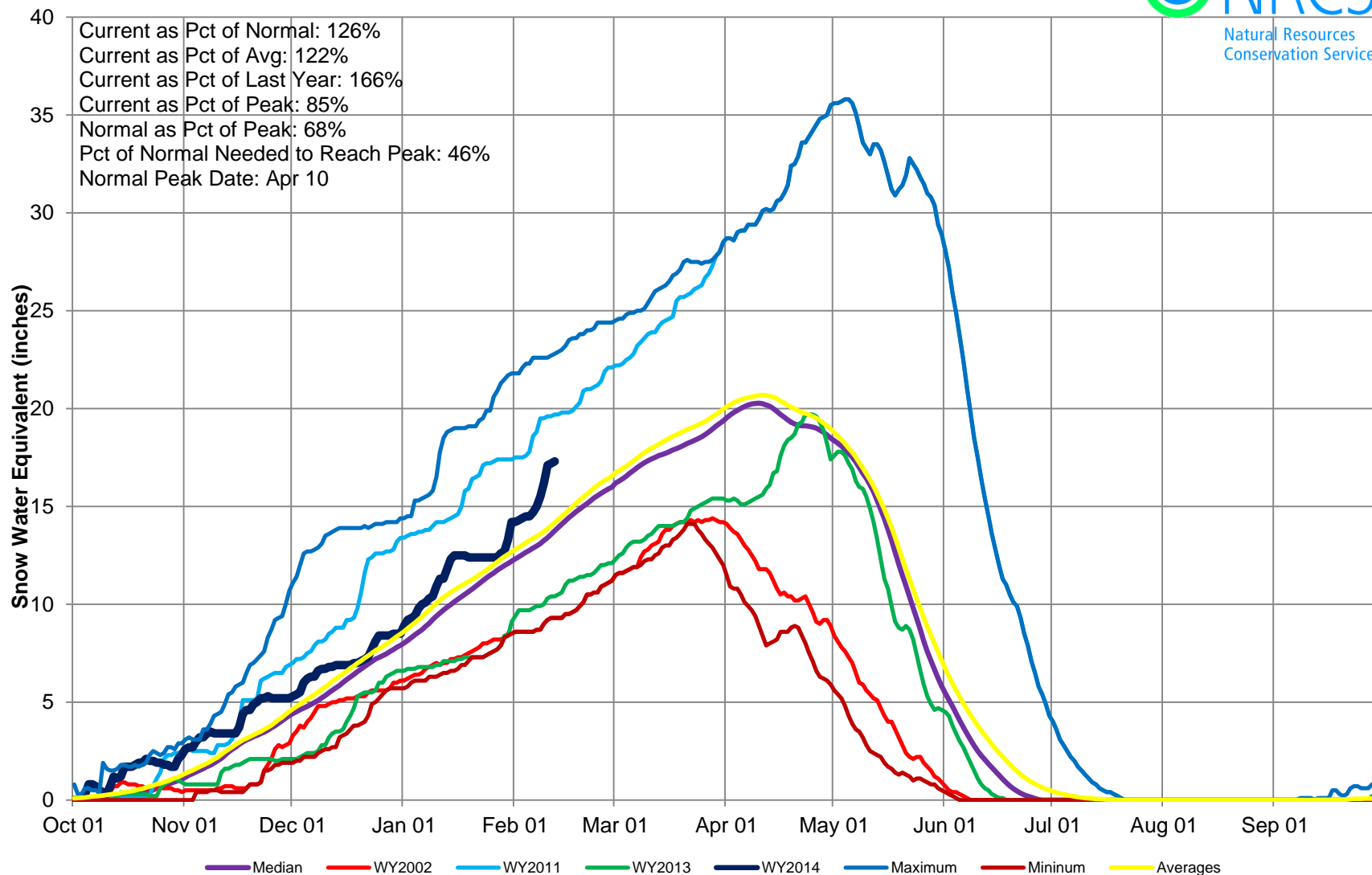
Current as of February 1, 2014

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

Based on Provisional SNOTEL data as of Feb 12, 2014

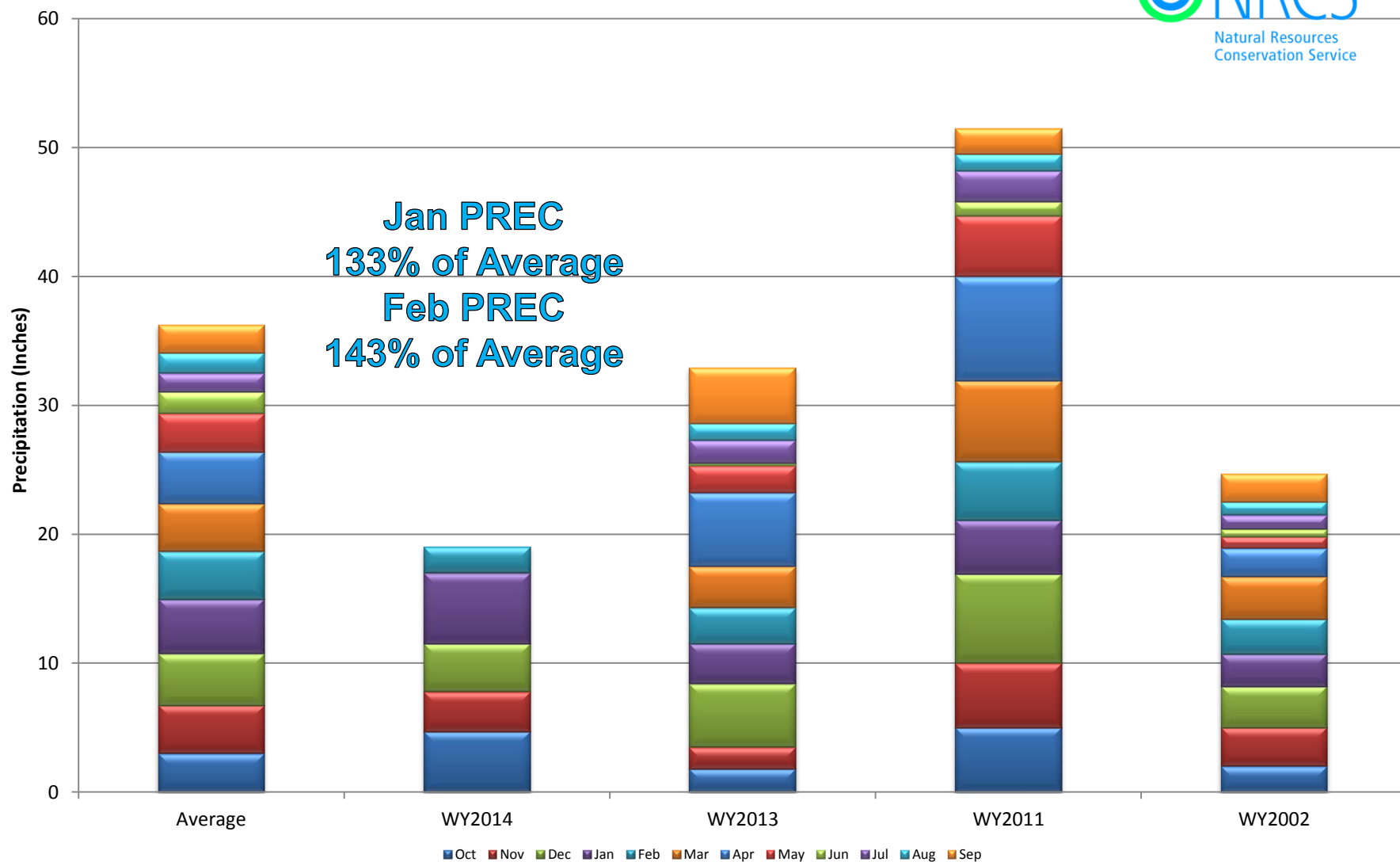


Natural Resources
Conservation Service



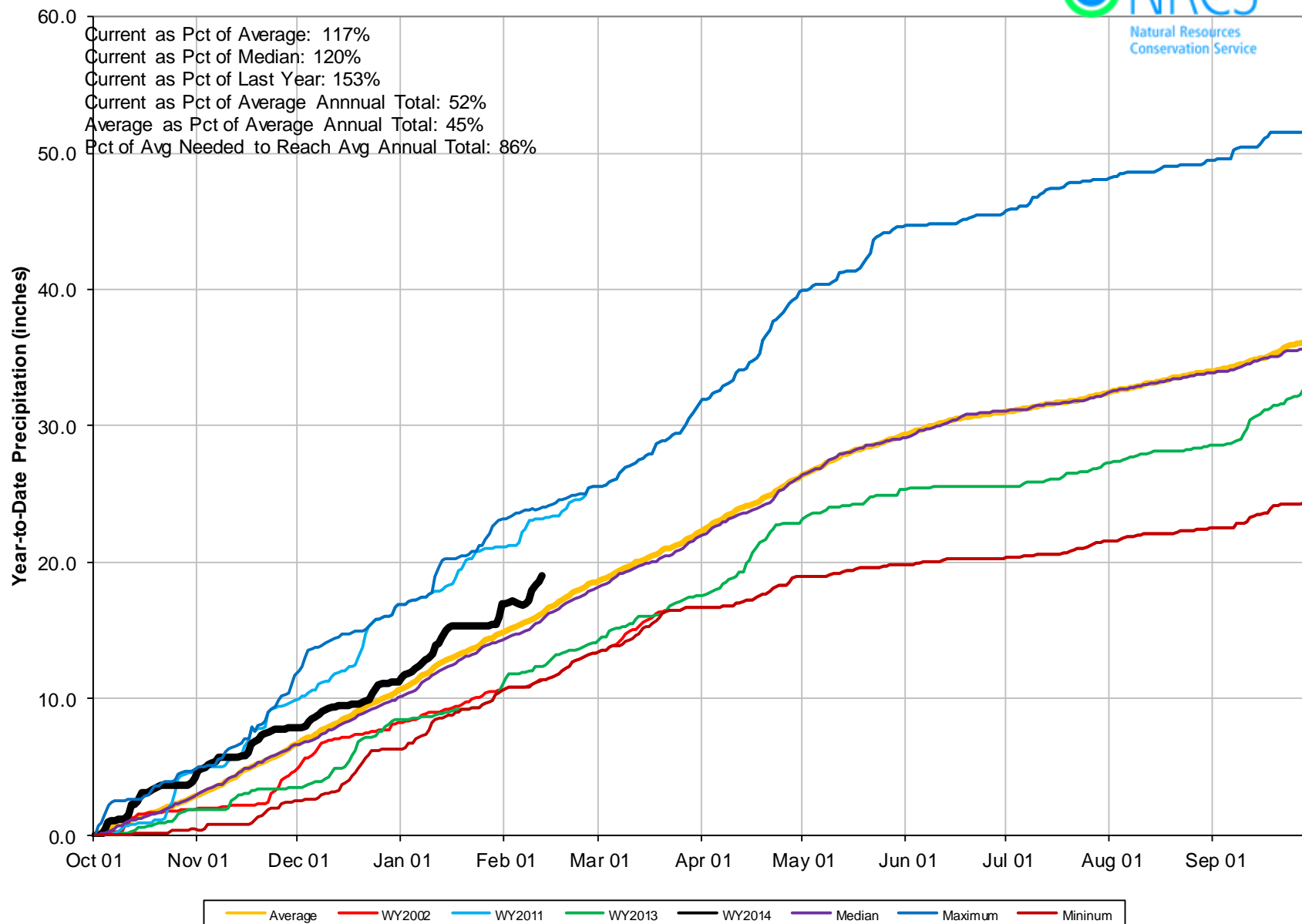
Yampa & White River Basins High/Low Monthly Precipitation Summary

Based on Provisional SNOTEL data as of Feb 12, 2014



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

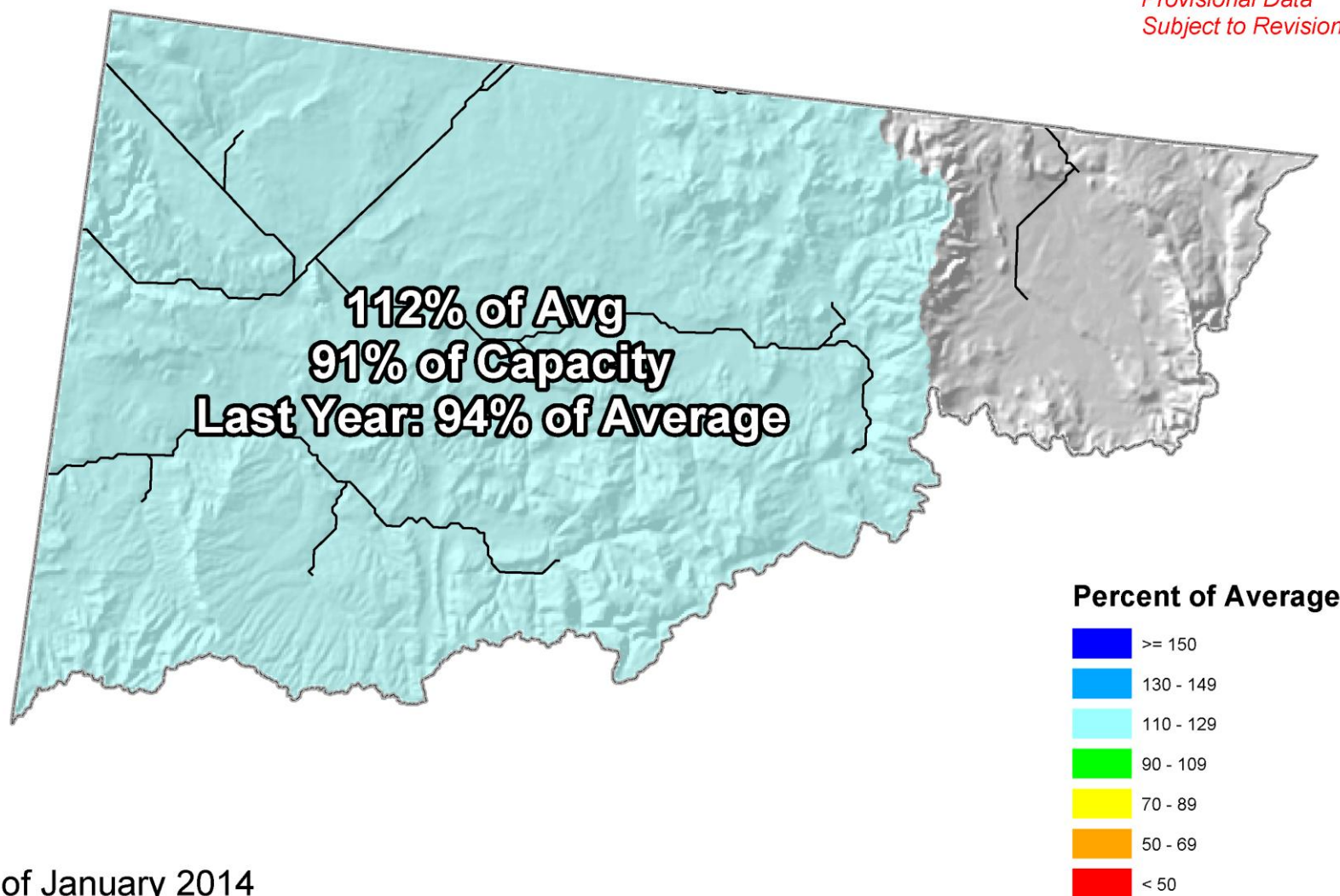
Based on Provisional SNOTEL data as of Feb 12, 2014



Yampa & White River Basins Reservoir Storage Map



*Provisional Data
Subject to Revision*

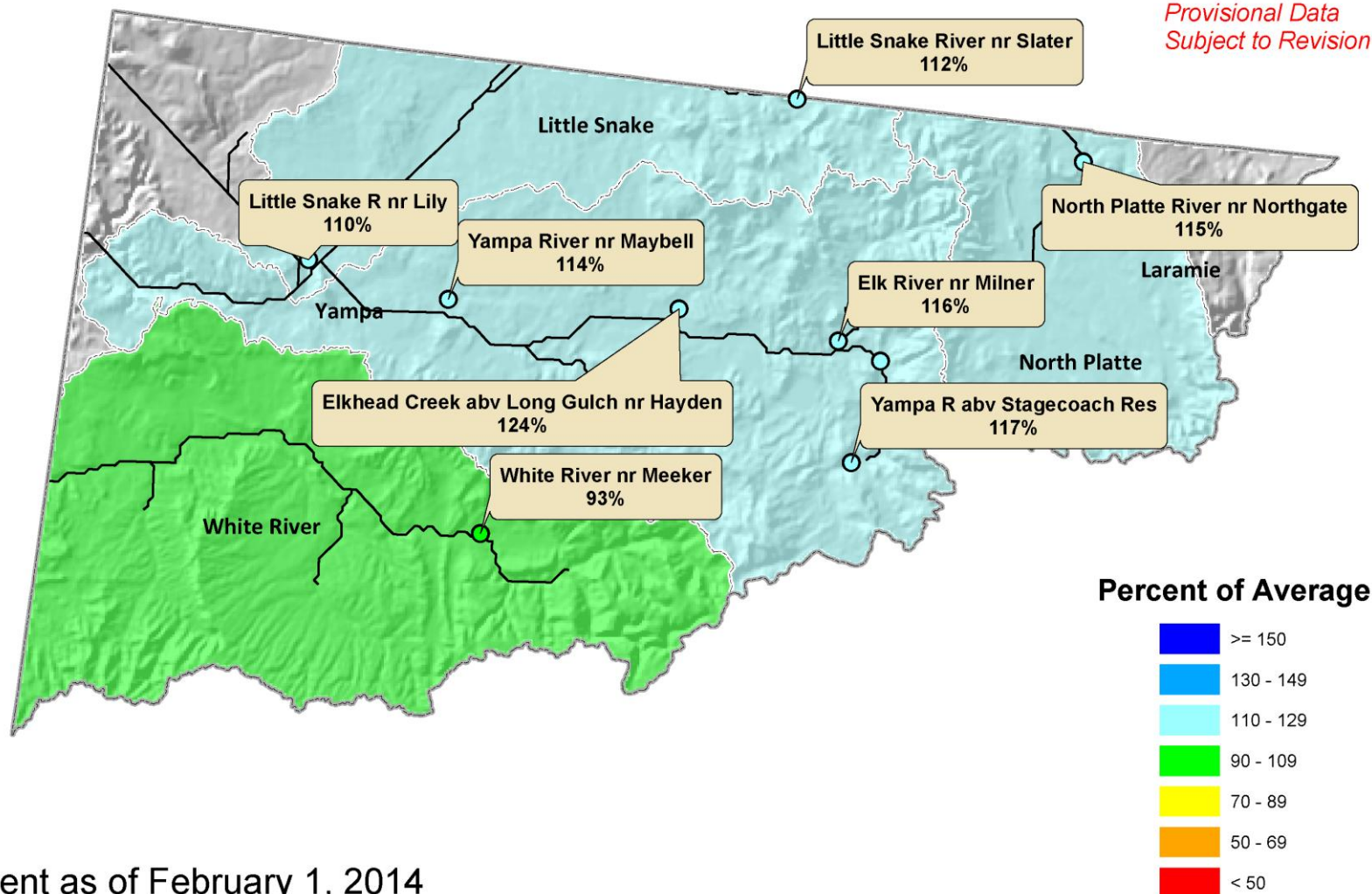


End of January 2014

Yampa, White and North Platte River Basins Streamflow Map

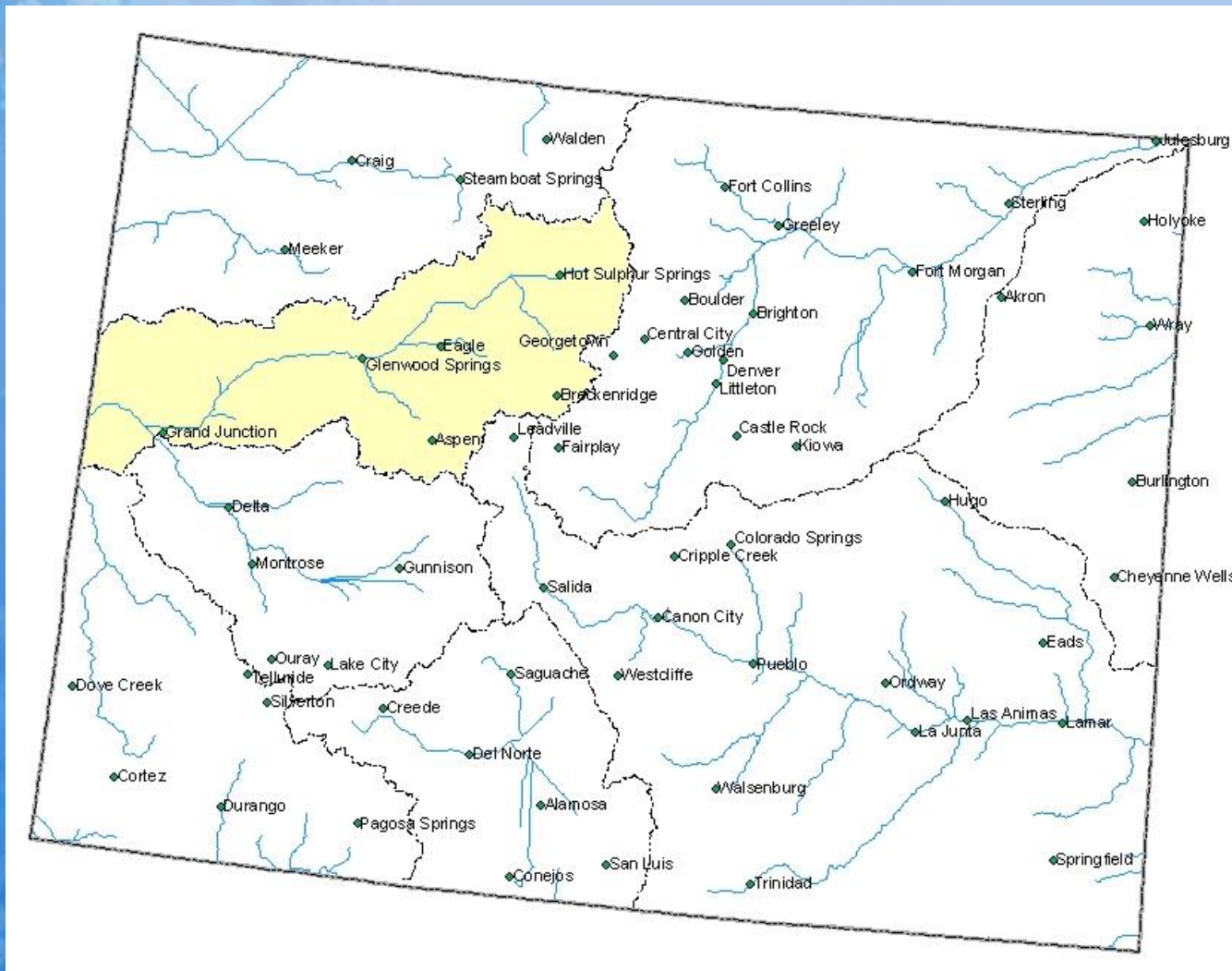


*Provisional Data
Subject to Revision*



Current as of February 1, 2014

Colorado River Basin Summary

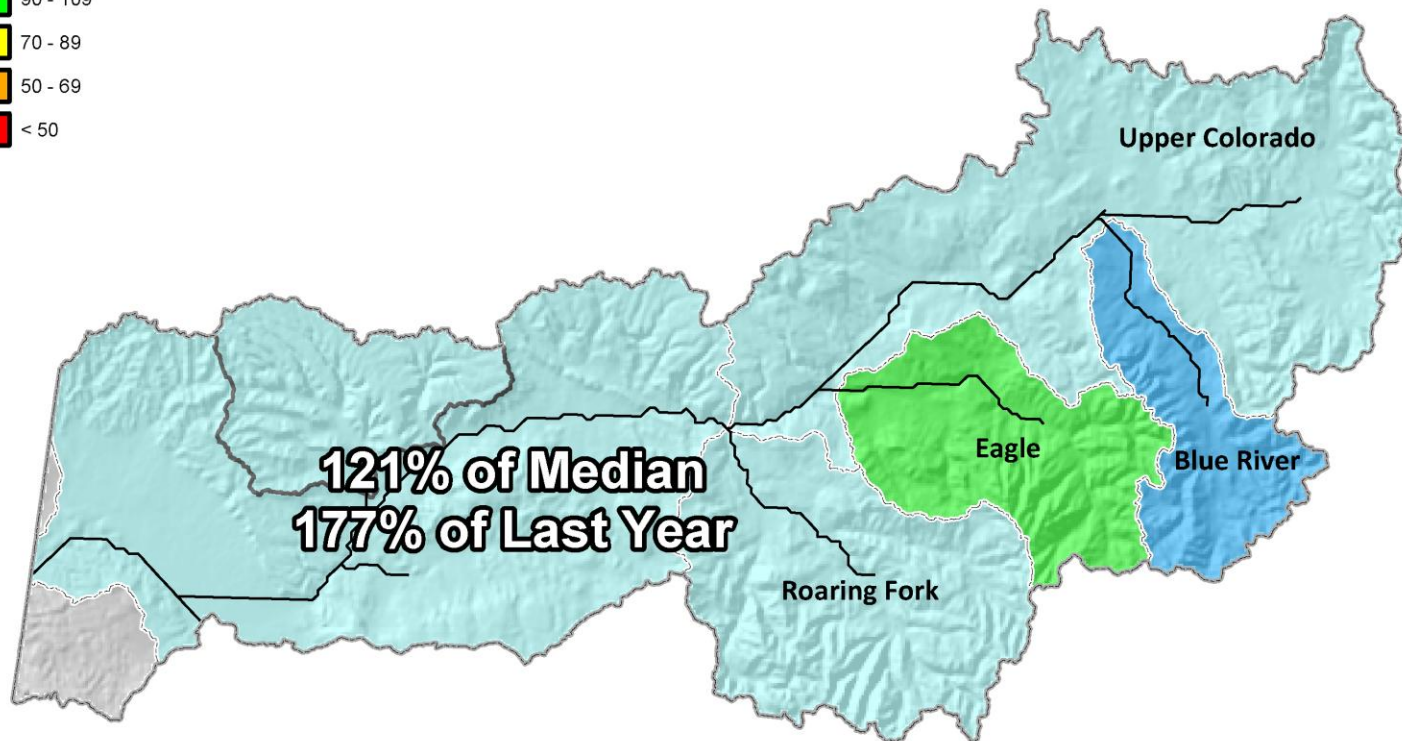
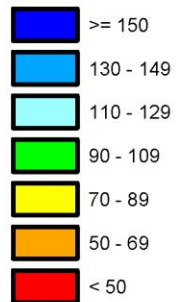


Colorado River Basin Snowpack Map



*Provisional Data
Subject to Revision*

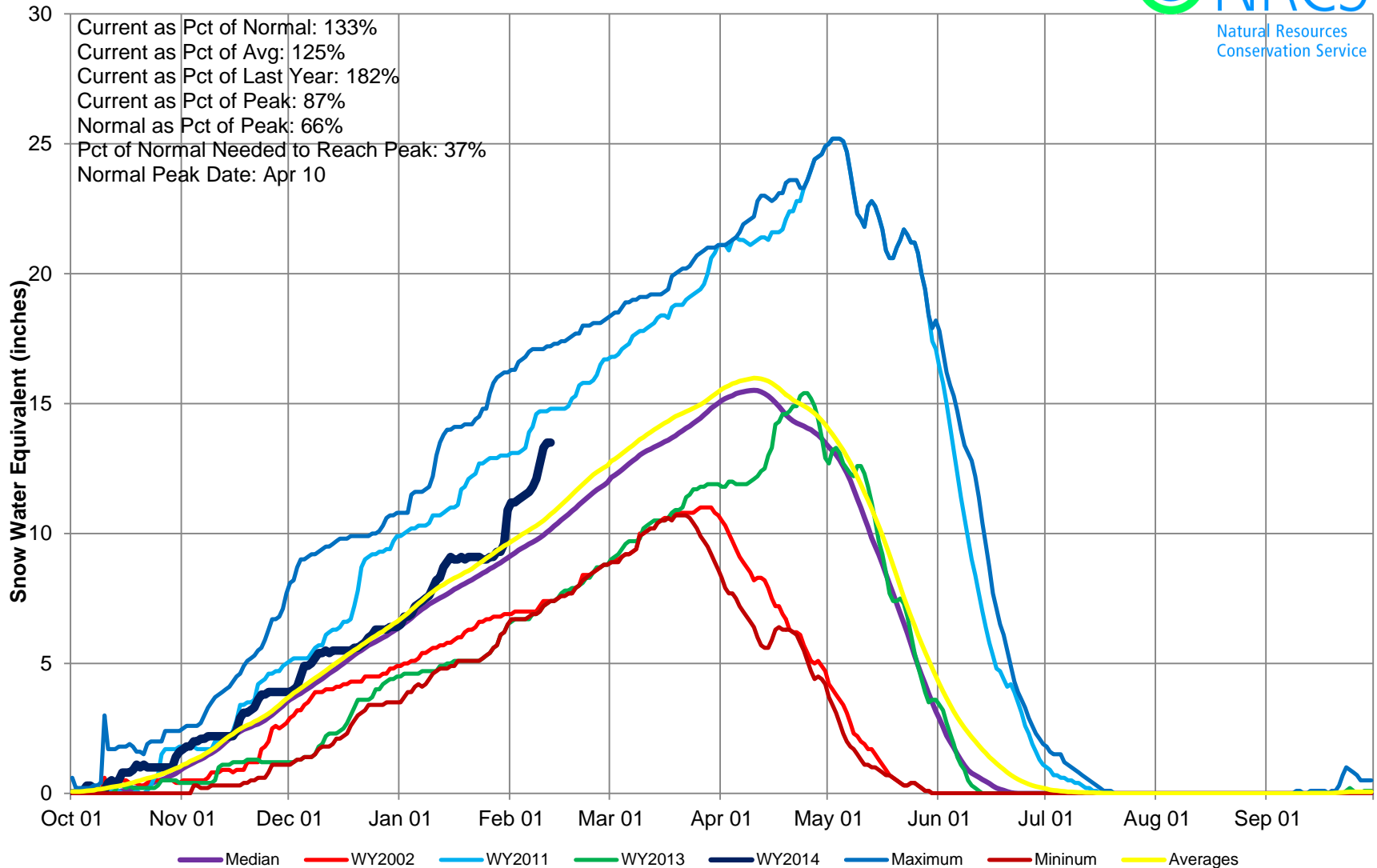
Percent of Median



Current as of February 1, 2014

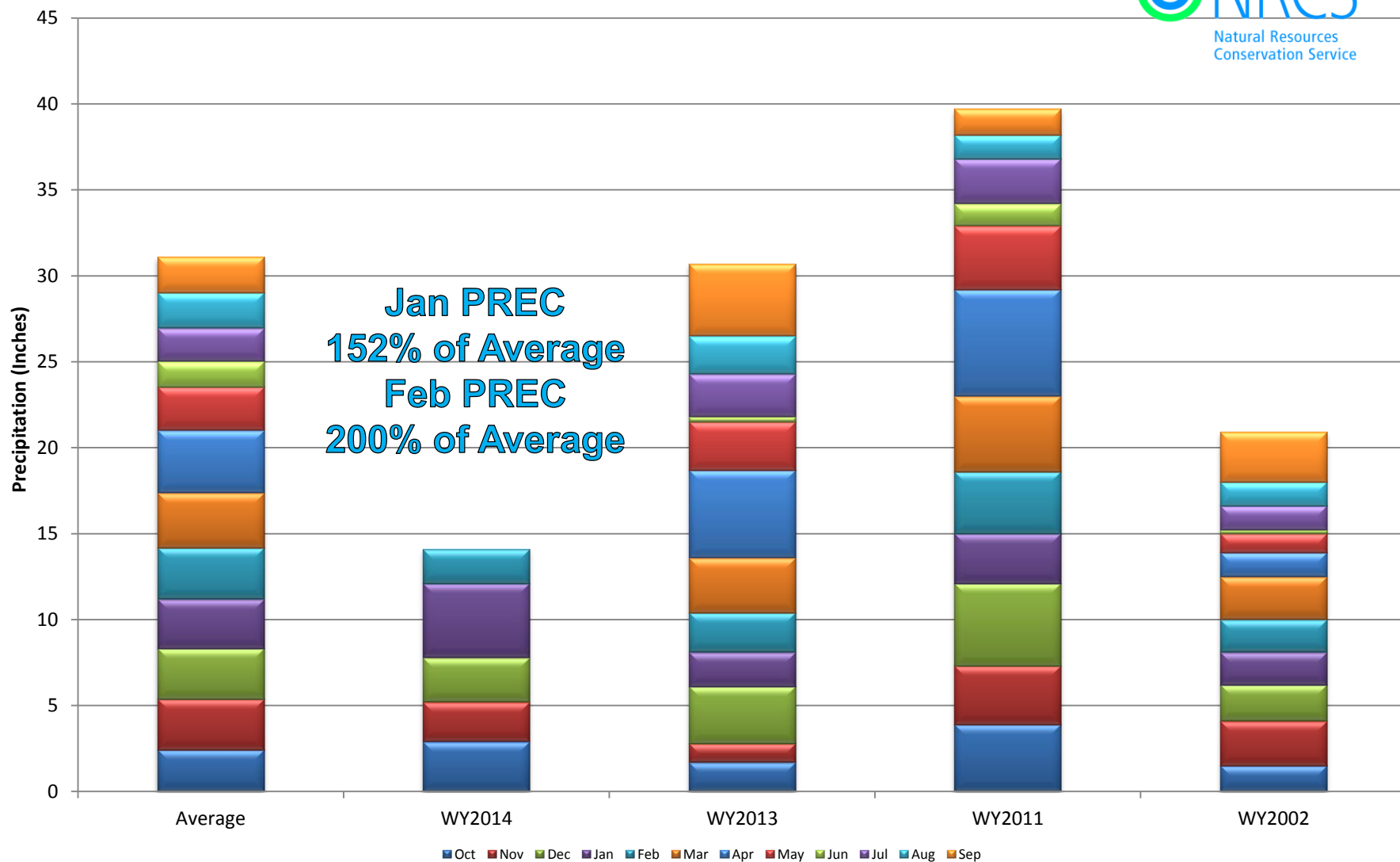
Upper Colorado River Basin High/Low Snowpack Summary

Based on Provisional SNOTEL data as of Feb 12, 2014



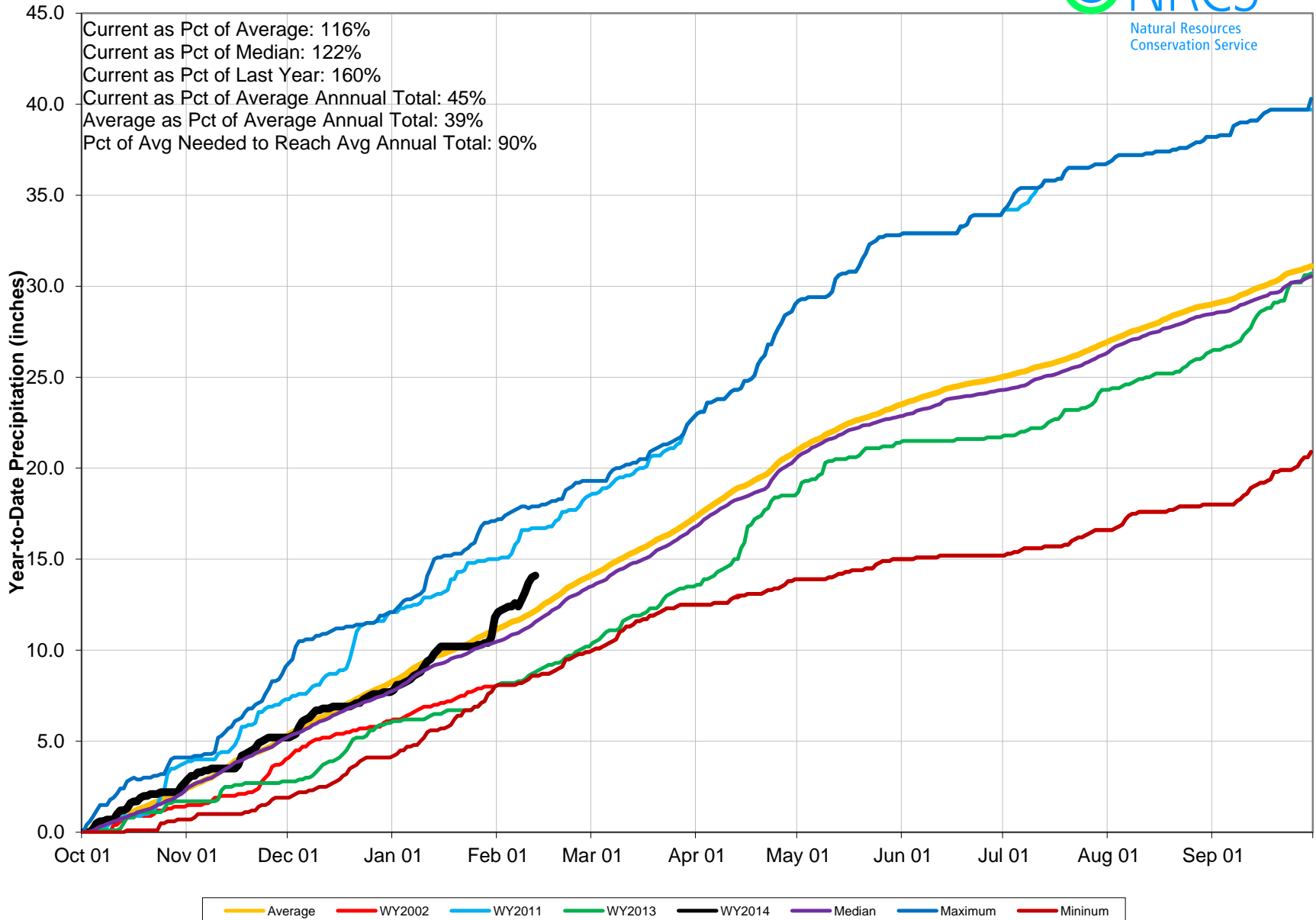
Upper Colorado River Basin High/Low Monthly Precipitation Summary

Based on Provisional SNOTEL data as of Feb 12, 2014



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

Based on Provisional SNOTEL data as of Feb 12, 2014



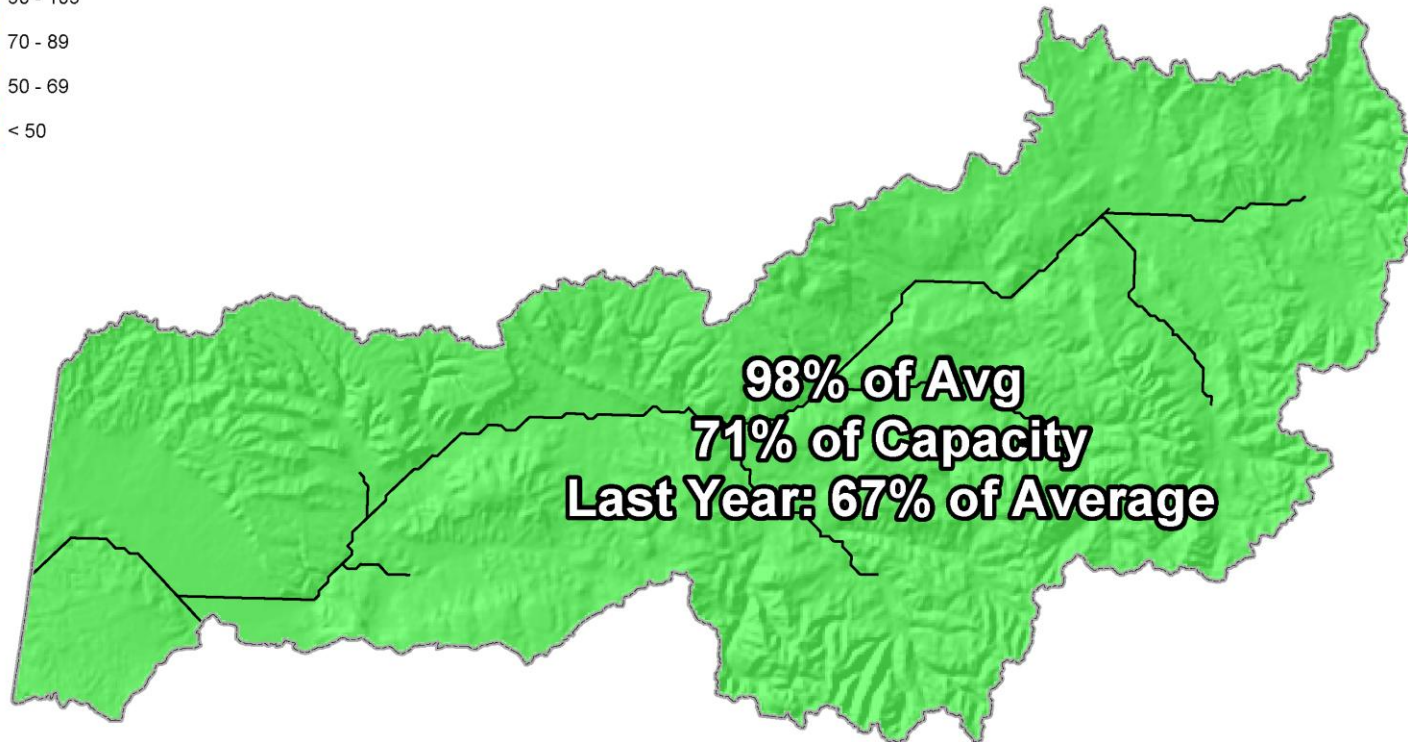
Colorado River Basin Reservoir Storage Map



Percent of Average



*Provisional Data
Subject to Revision*



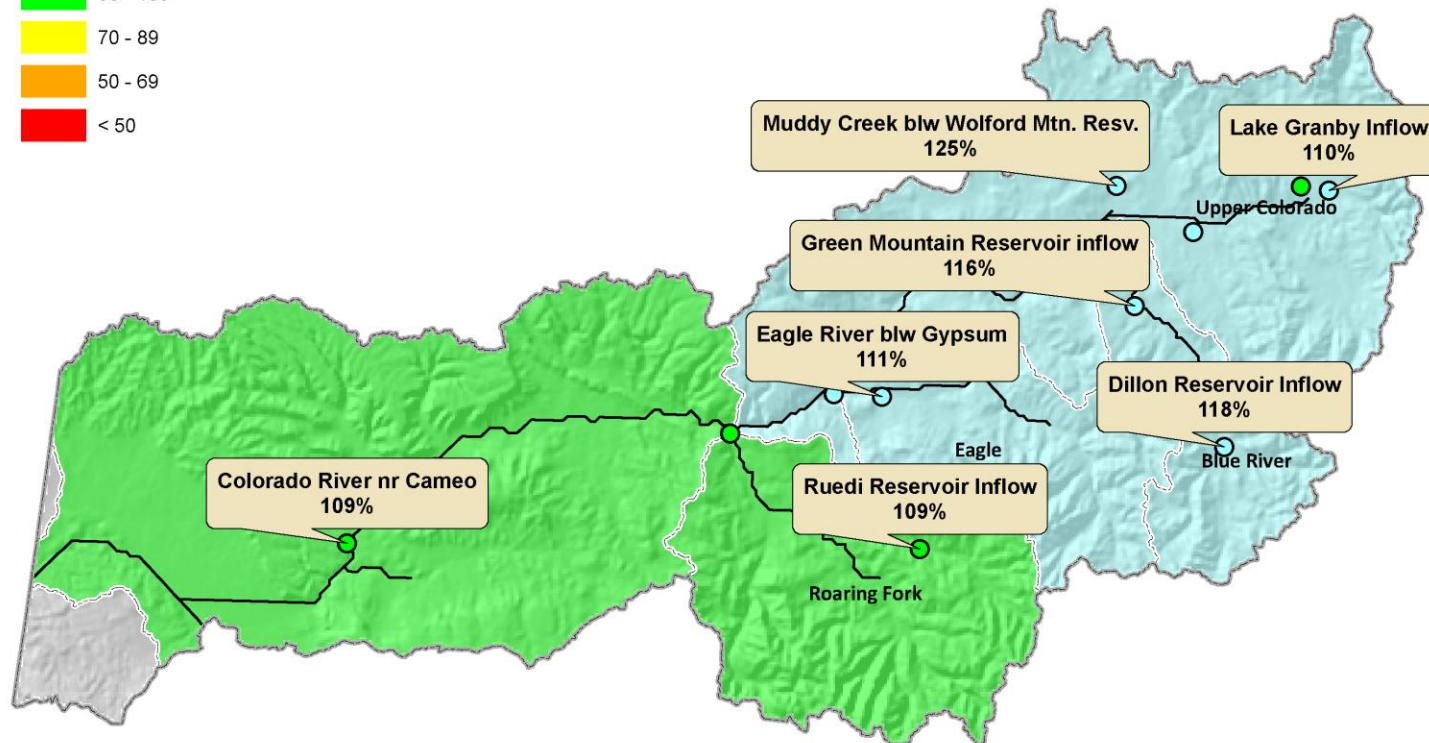
End of January 2014

Colorado River Basin Streamflow Forecast Map



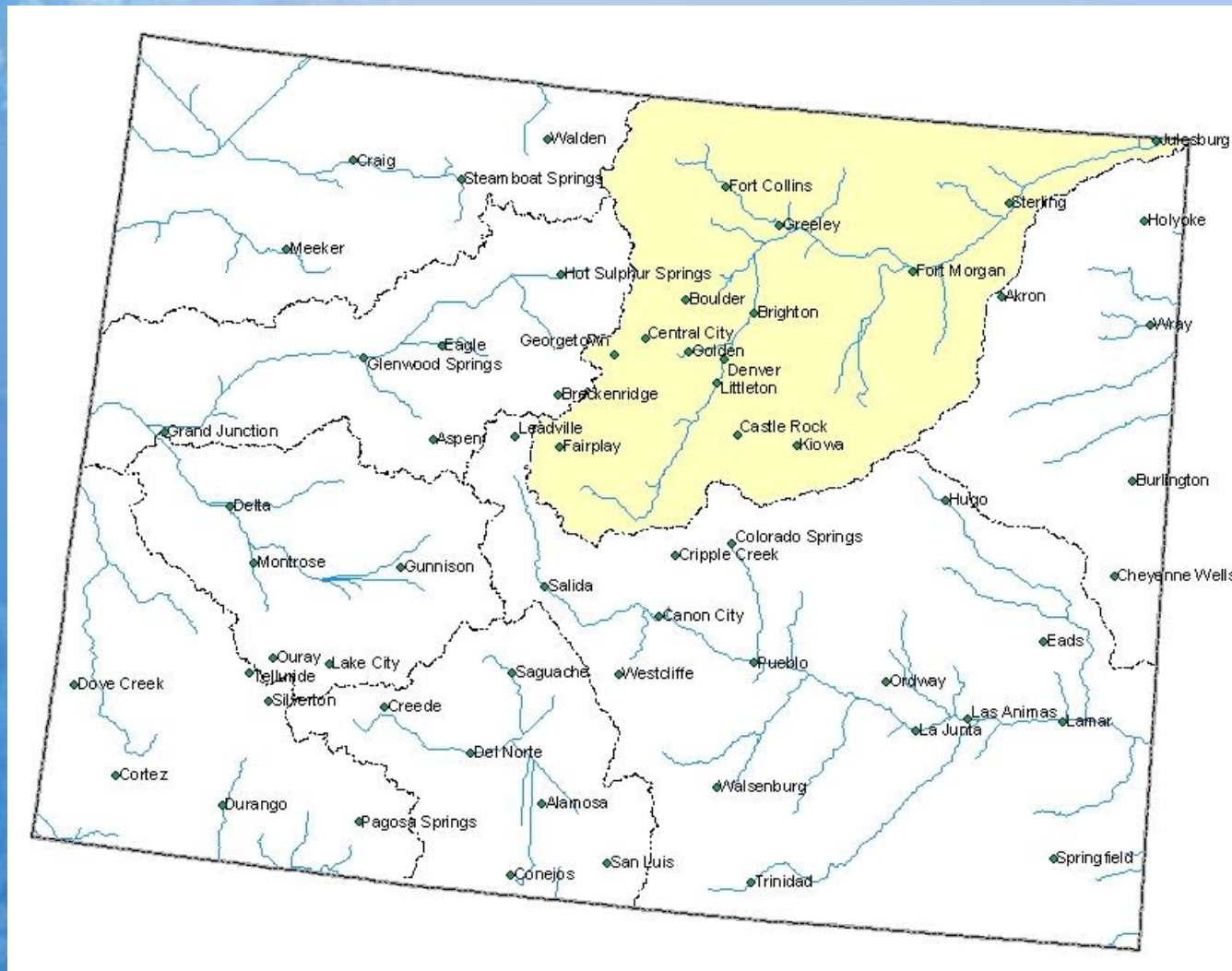
*Provisional Data
Subject to Revision*

Percent of Average



Current as of February 1, 2014

South Platte River Basin Summary

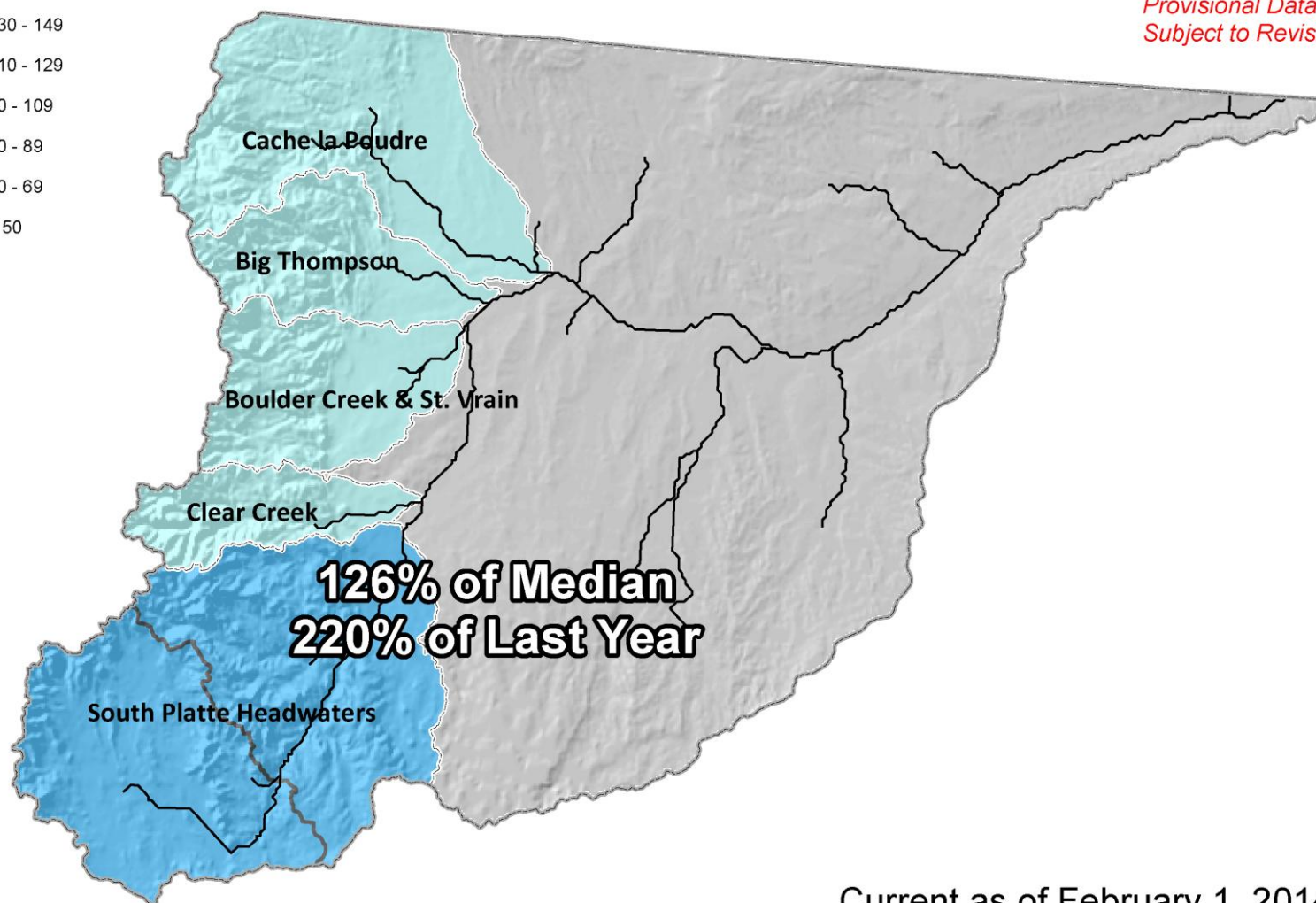
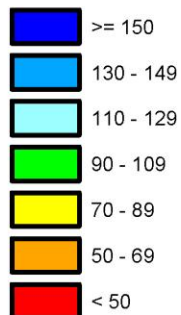


South Platte River Basin Snowpack Map



*Provisional Data
Subject to Revision*

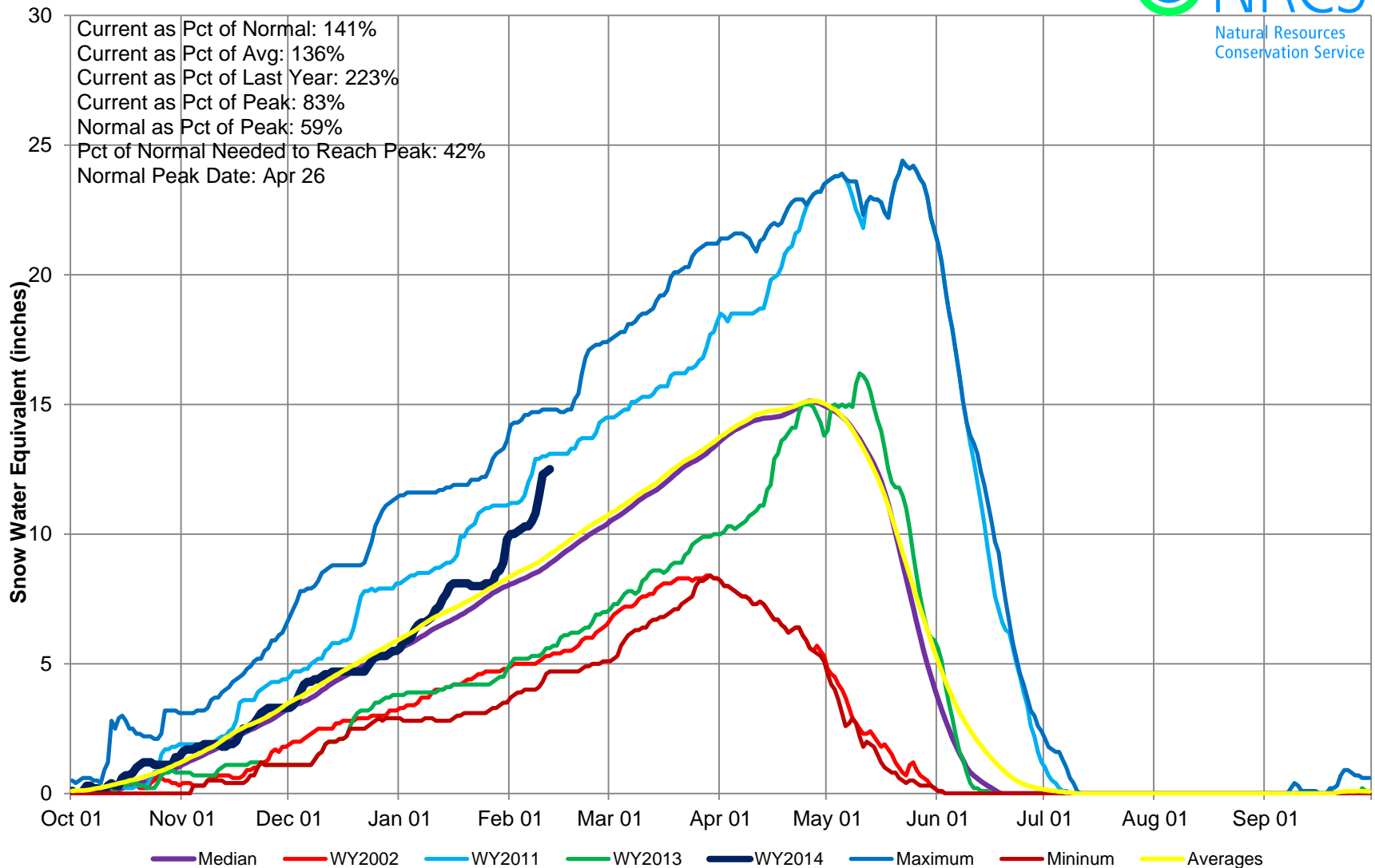
Percent of Median



Current as of February 1, 2014

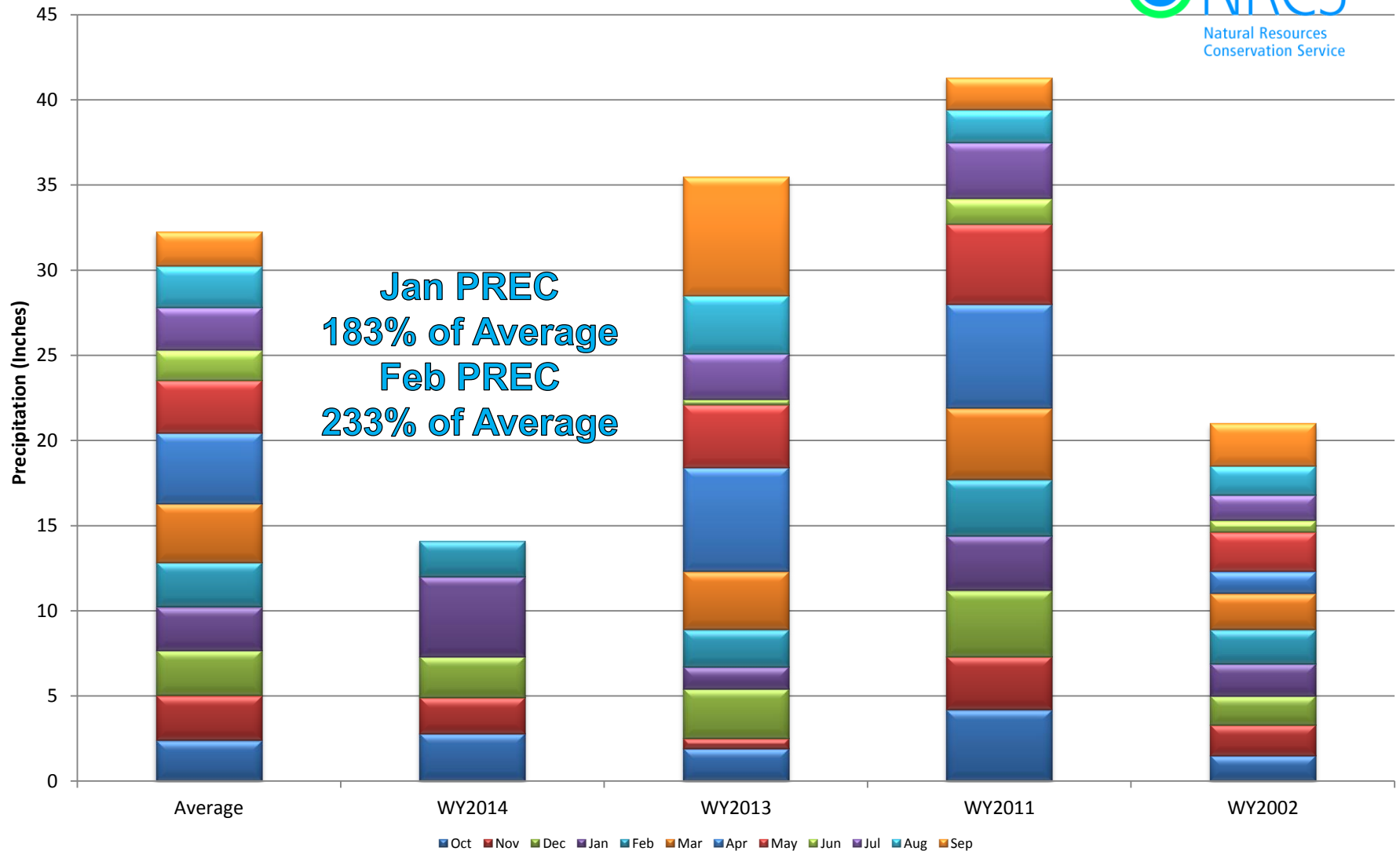
South Platte River Basin High/Low Snowpack Summary

Based on Provisional SNOTEL data as of Feb 12, 2014



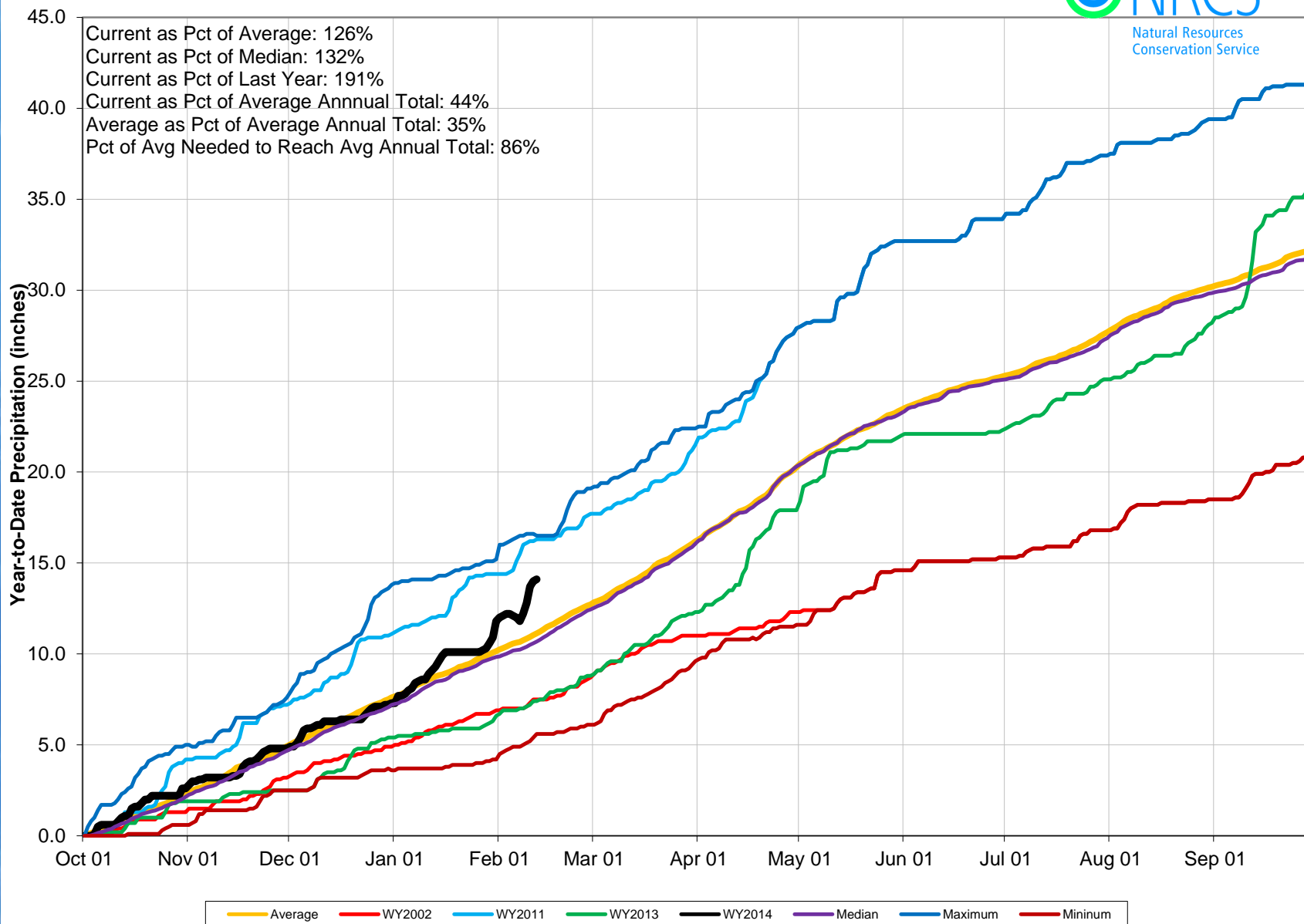
South Platte River Basin High/Low Monthly Precipitation Summary

Based on Provisional SNOTEL data as of Feb 12, 2014



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

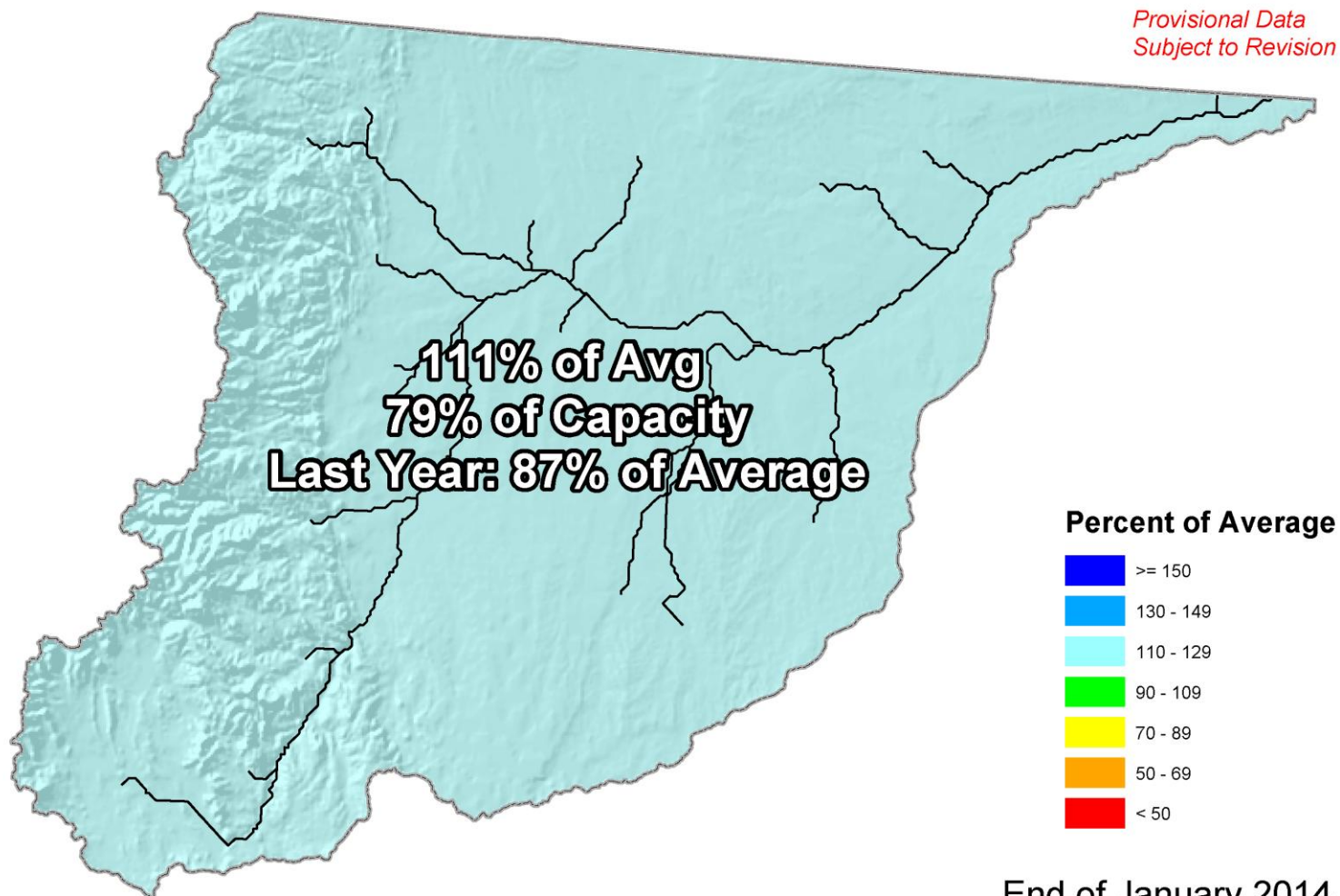
Based on Provisional SNOTEL data as of Feb 12, 2014



South Platte River Basin Reservoir Storage Map



*Provisional Data
Subject to Revision*

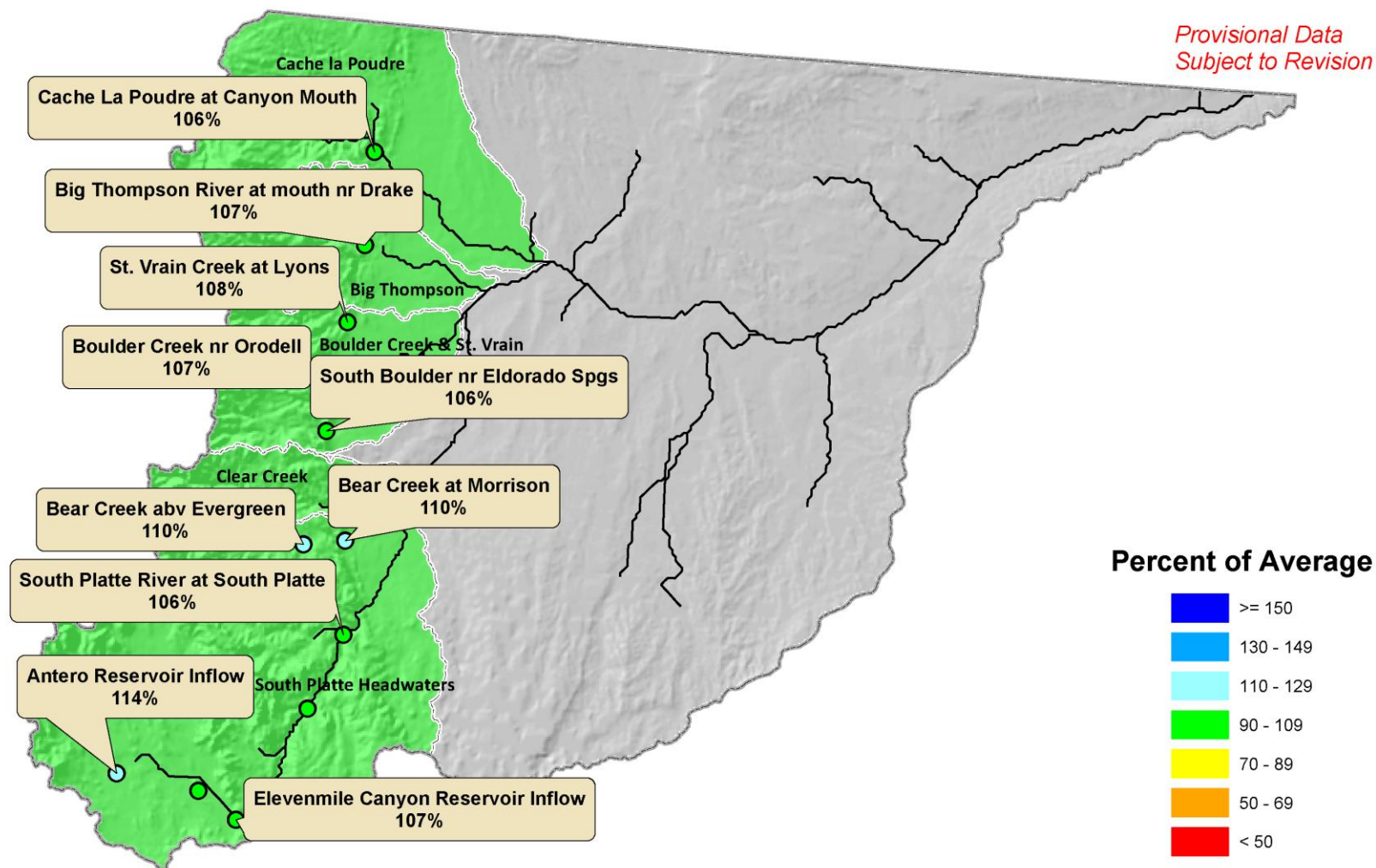


End of January 2014

South Platte River Basin Streamflow Forecast Map

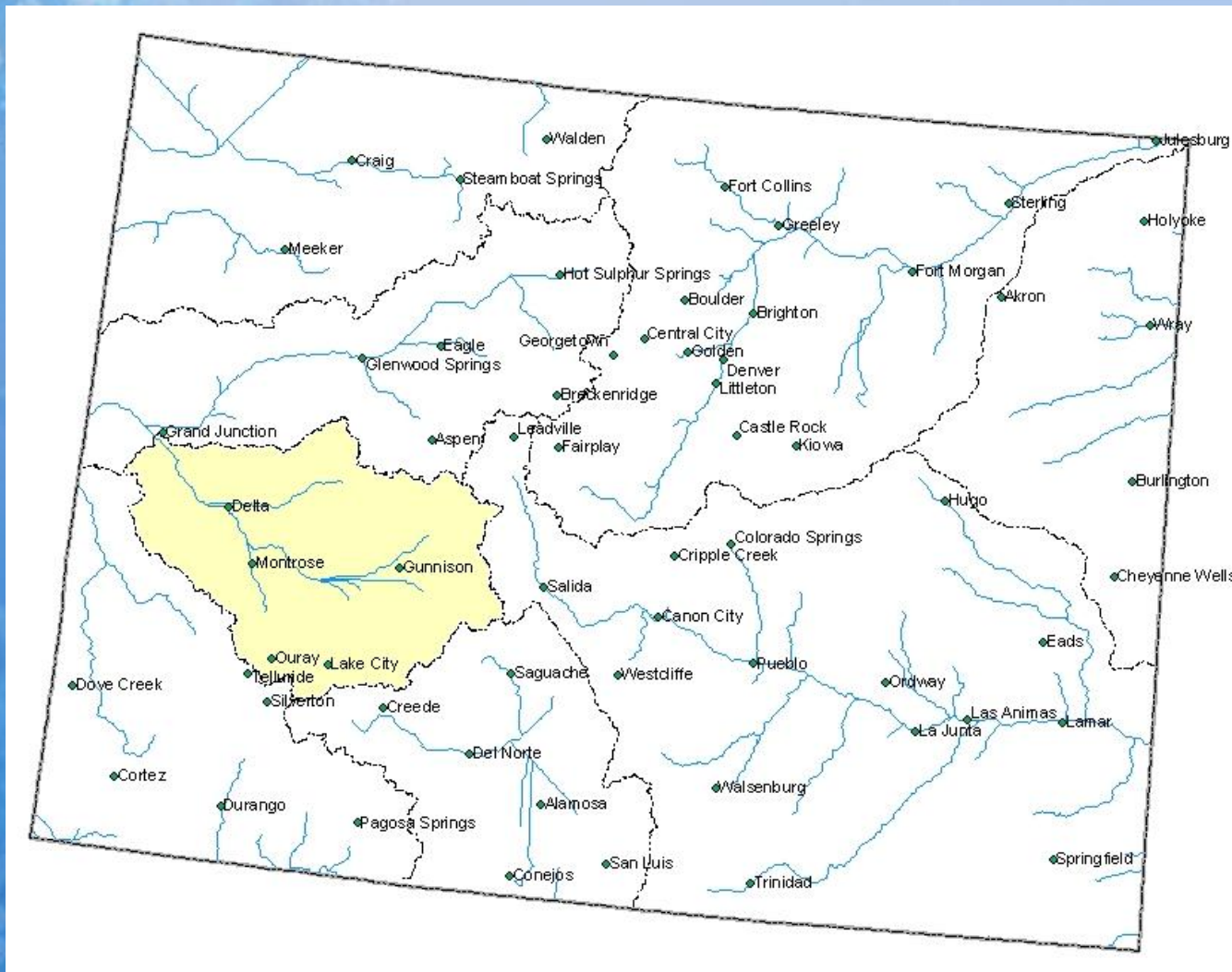


*Provisional Data
Subject to Revision*



Current as of February 1, 2014

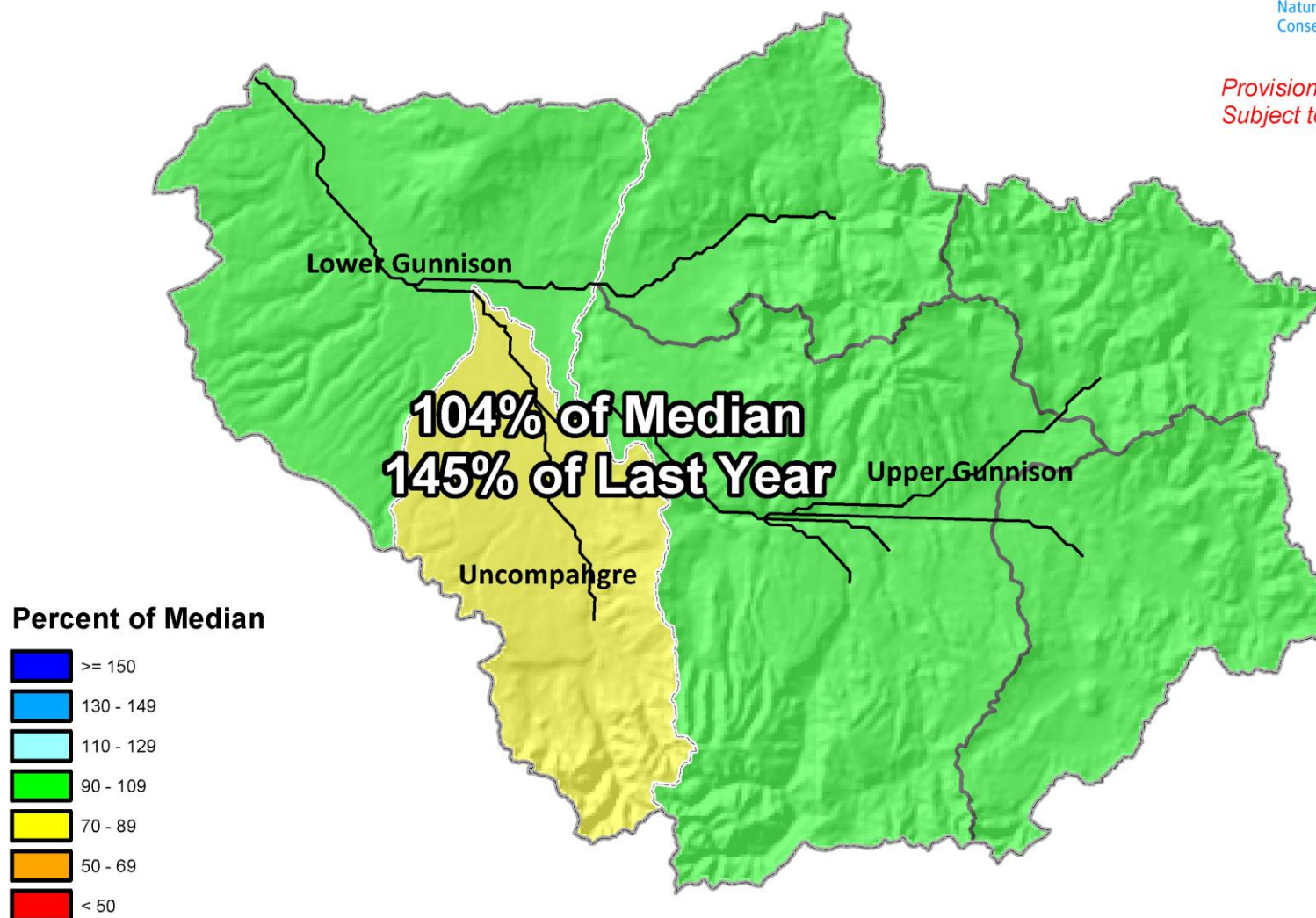
Gunnison River Basin Summary



Gunnison River Basin Snowpack Map



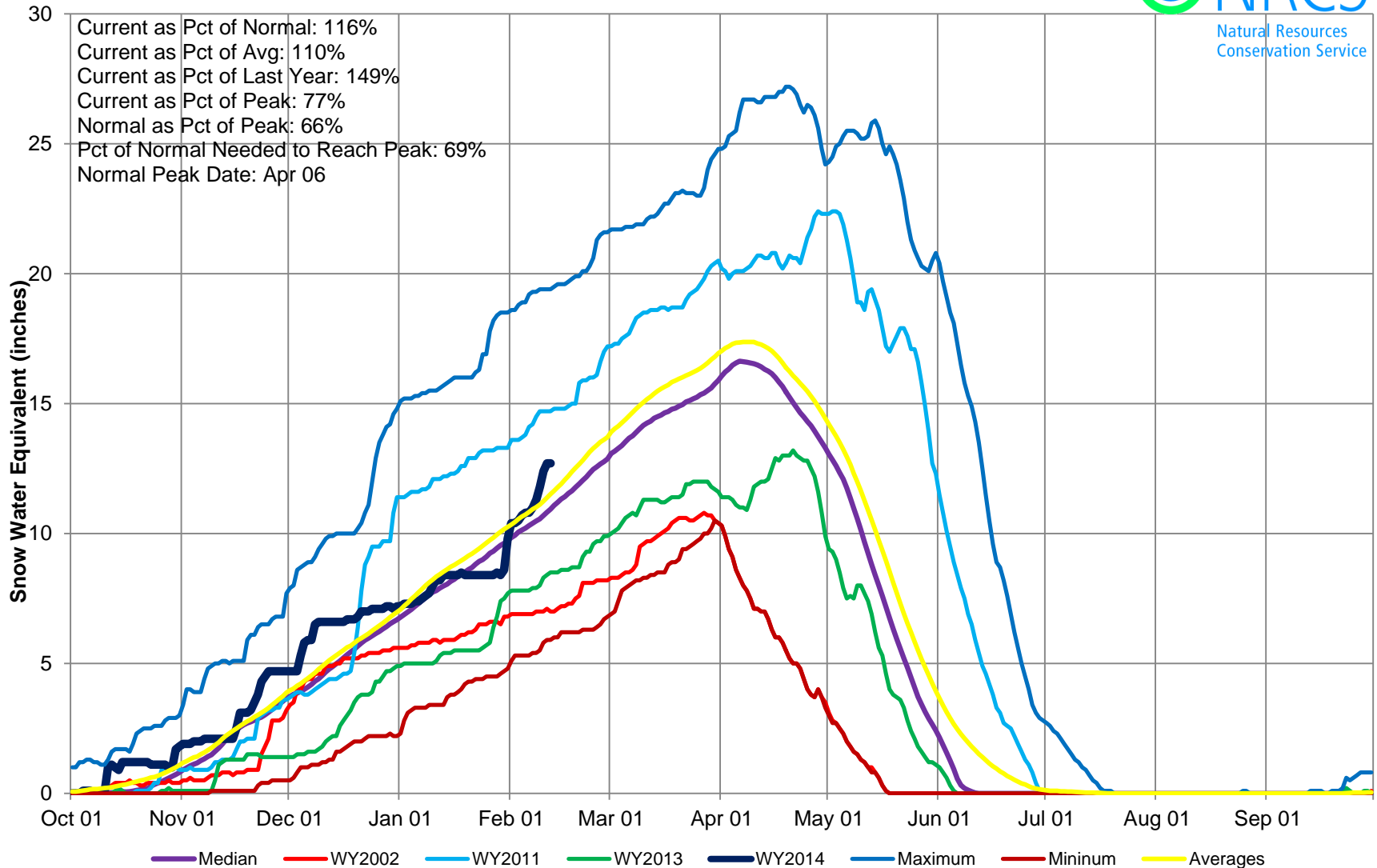
*Provisional Data
Subject to Revision*



Current as of February 1, 2014

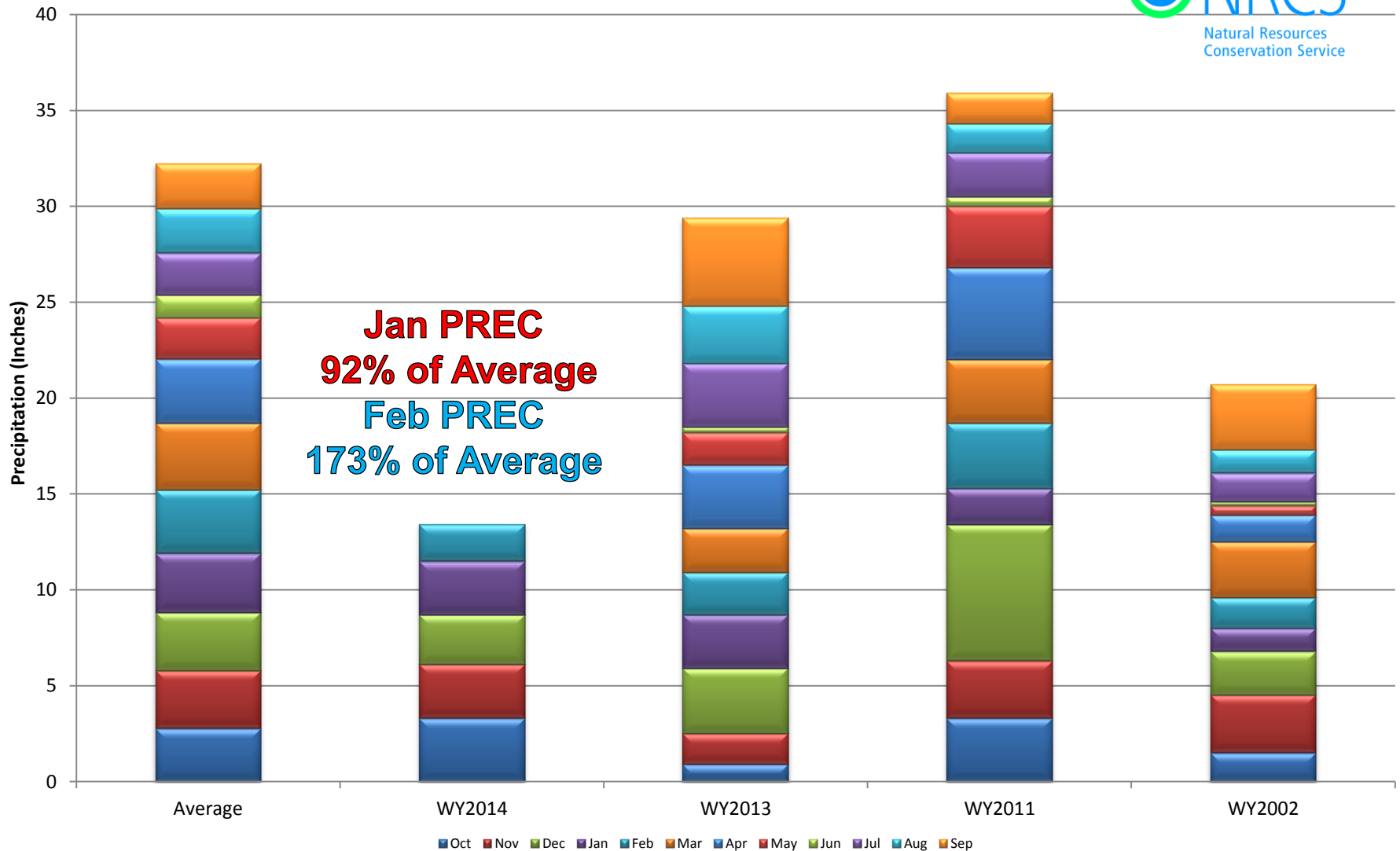
Gunnison River Basin High/Low Snowpack Summary

Based on Provisional SNOTEL data as of Feb 12, 2014



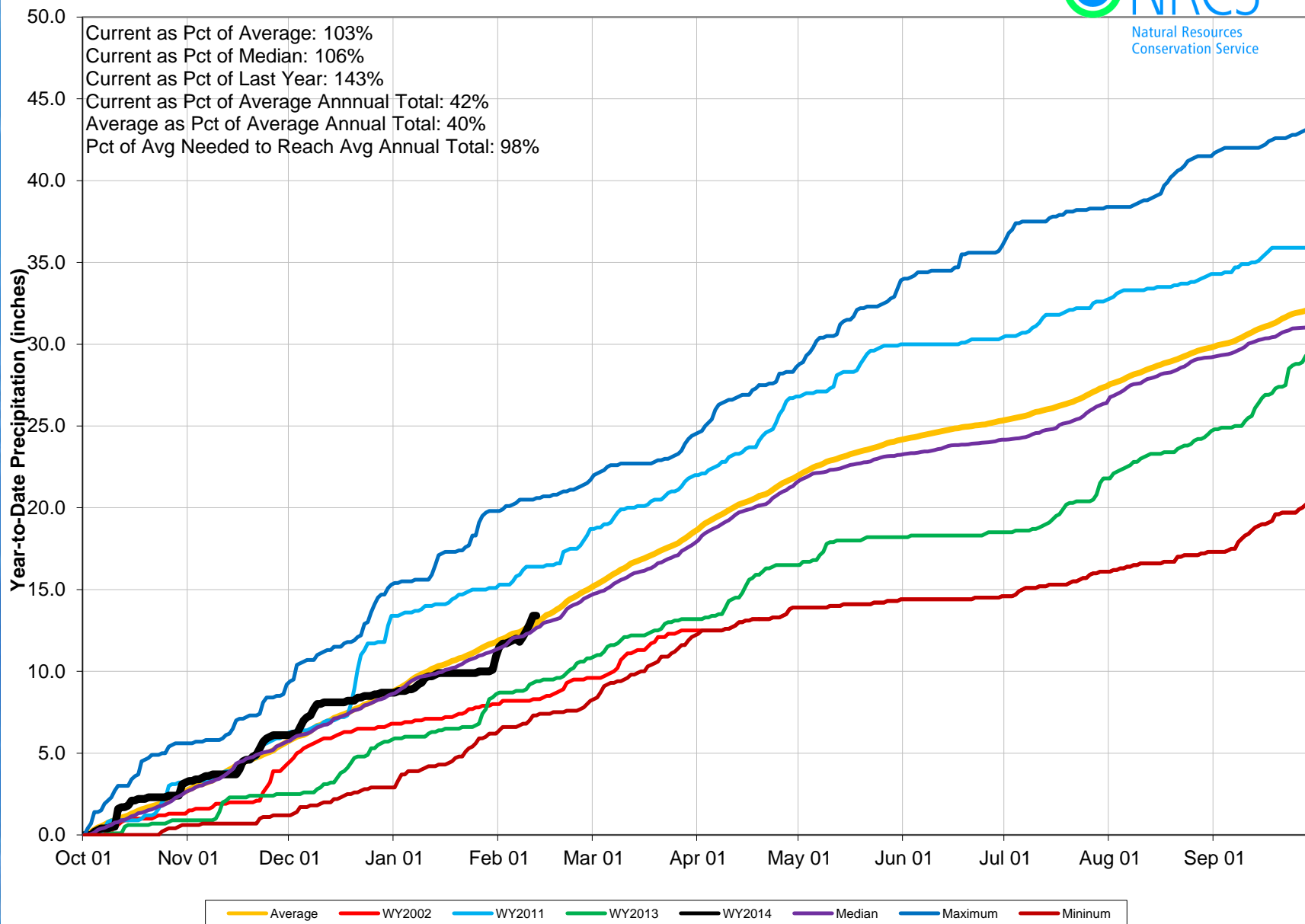
Gunnison River Basin High/Low Monthly Precipitation Summary

Based on Provisional SNOTEL data as of Feb 12, 2014



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

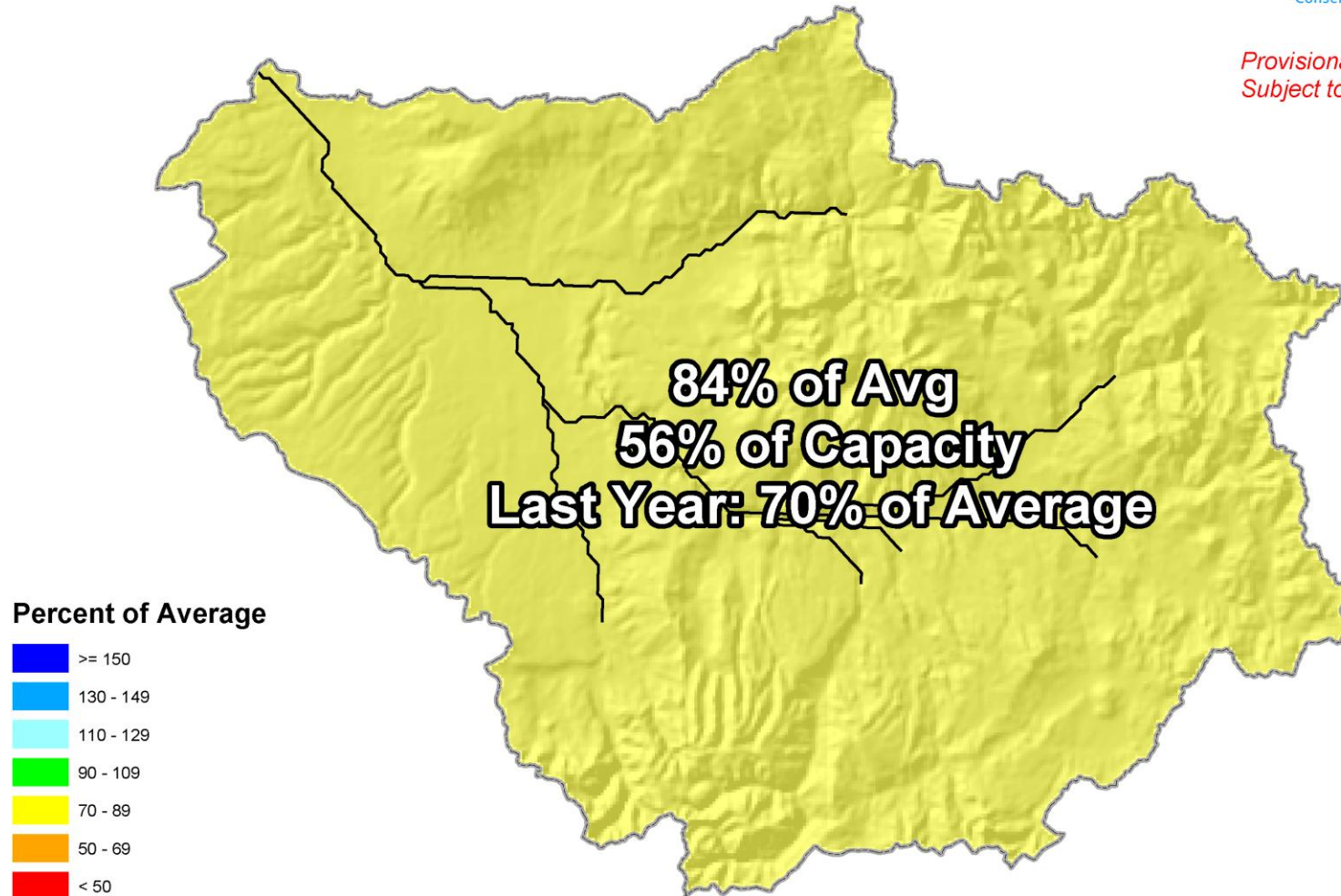
Based on Provisional SNOTEL data as of Feb 12, 2014



Gunnison River Basin Reservoir Storage Map



*Provisional Data
Subject to Revision*

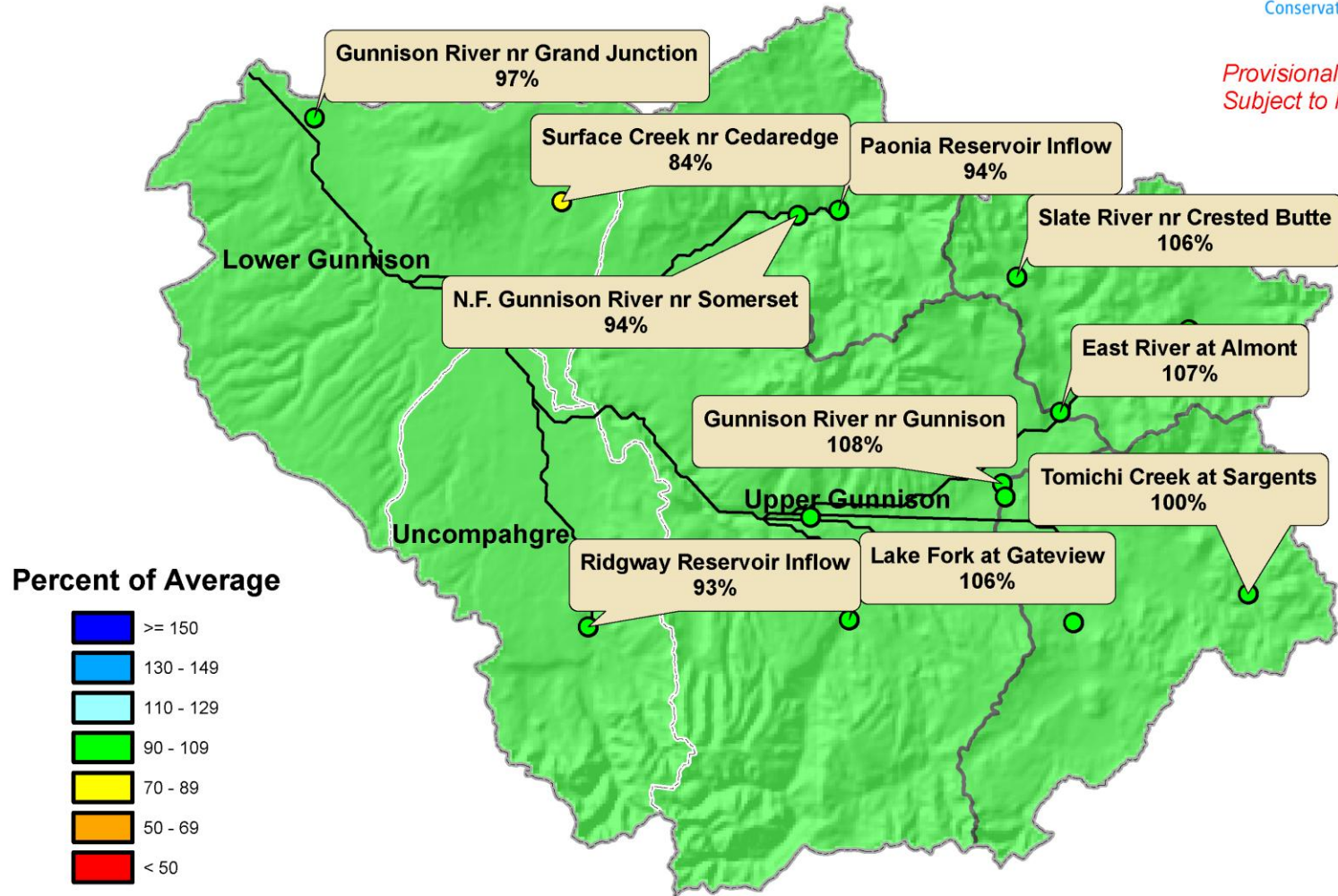


End of January 2014

Gunnison River Basin Streamflow Forecast Map

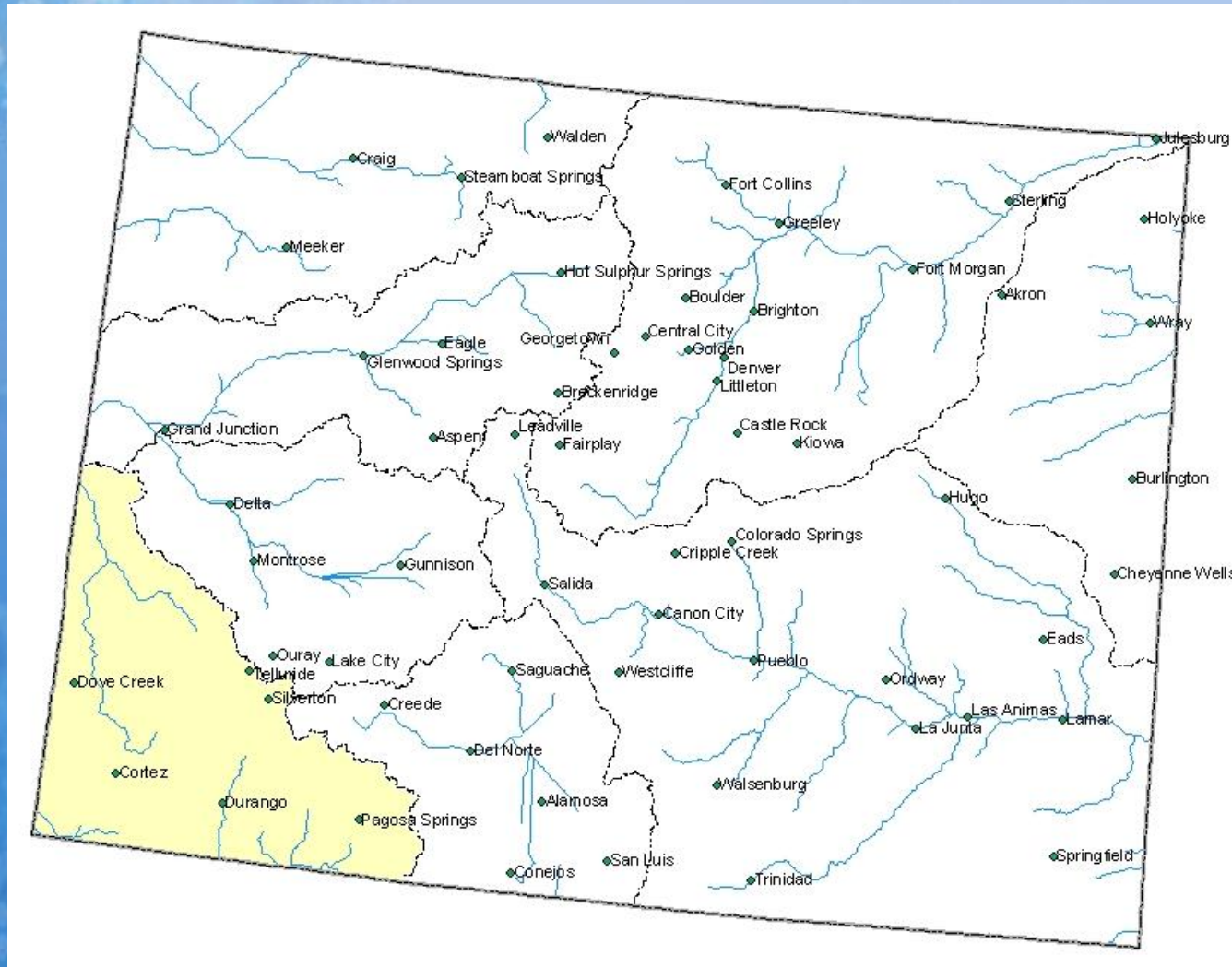


*Provisional Data
Subject to Revision*



Current as of February 1, 2014

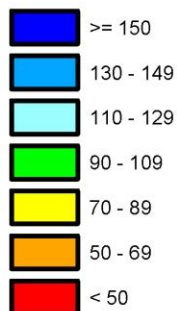
San Miguel, Dolores, Animas & San Juan River Basins Summary



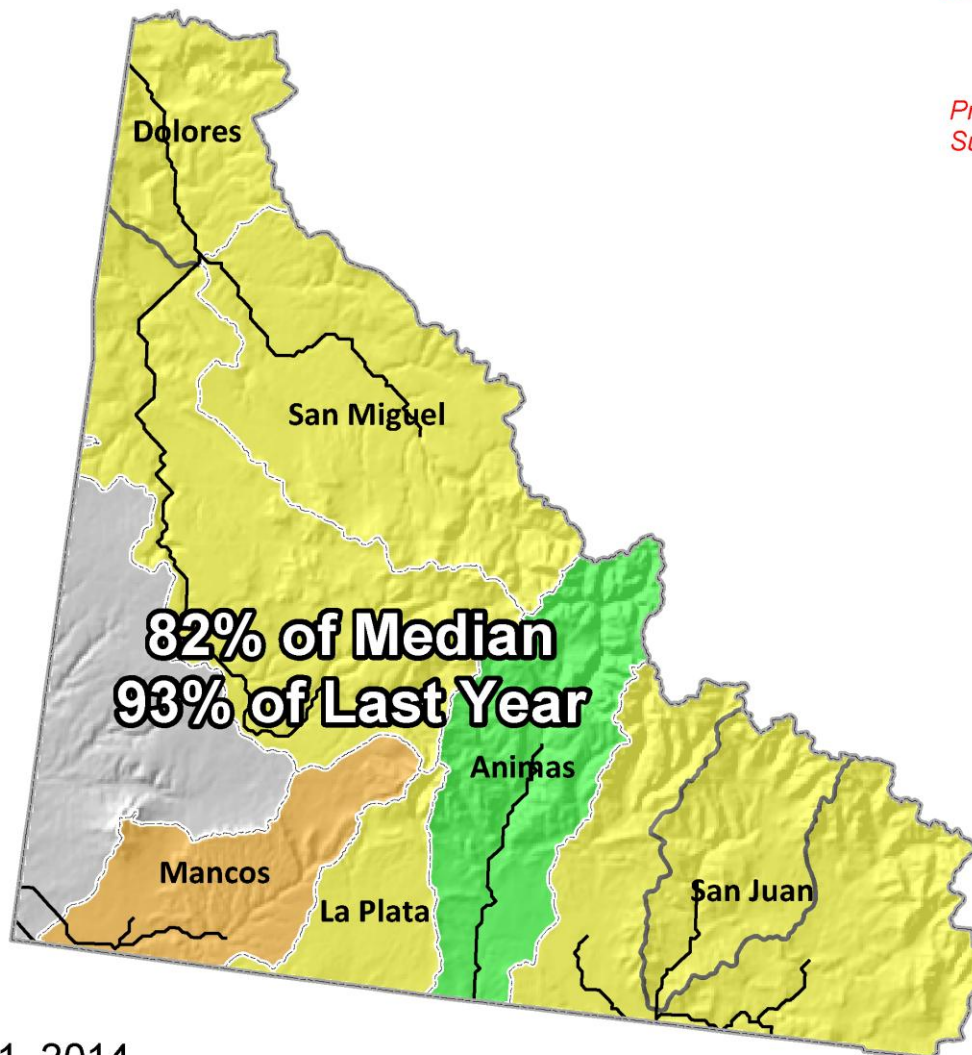
San Miguel, Dolores, Animas and San Juan River Basins Snowpack Map



Percent of Median



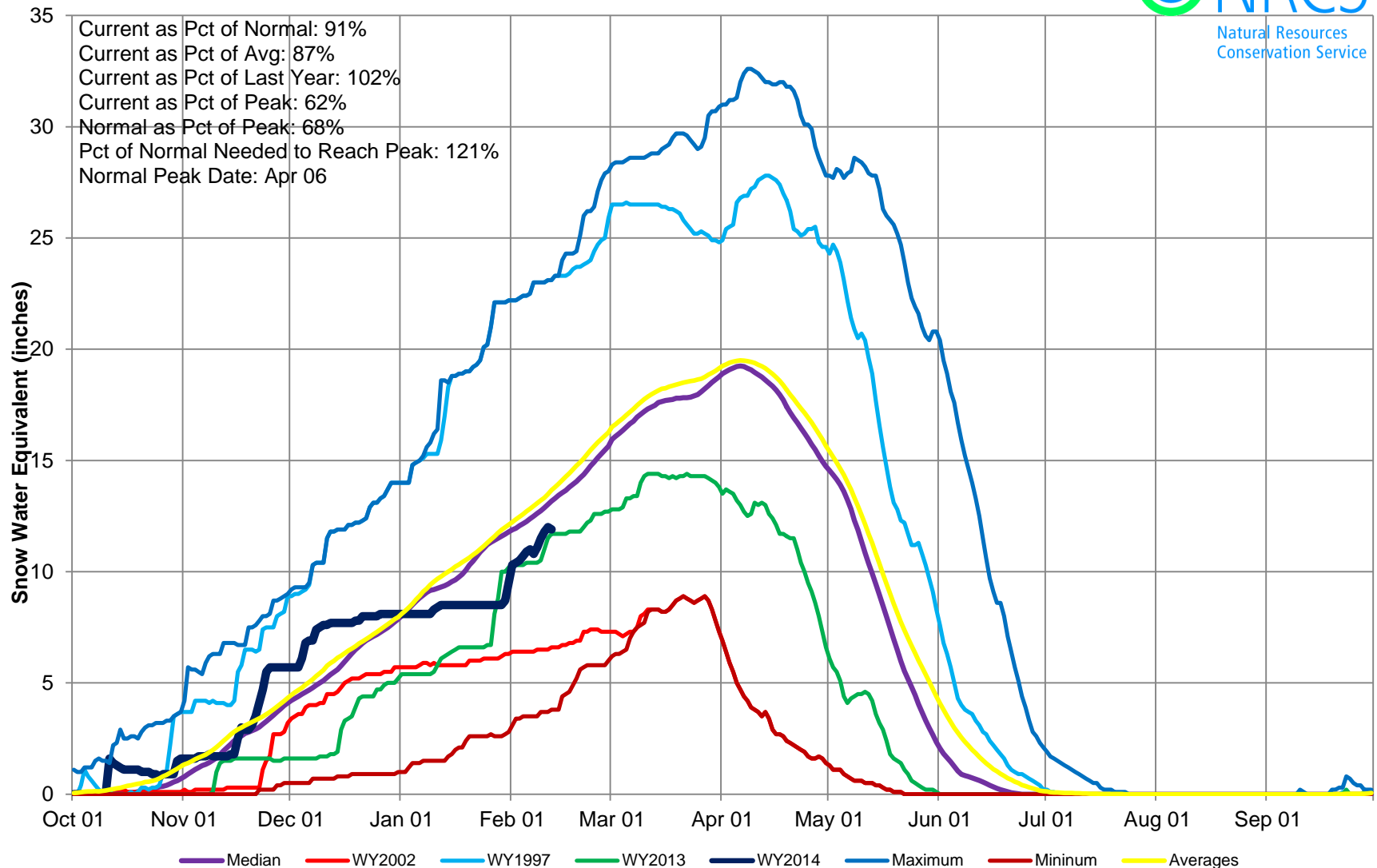
*Provisional Data
Subject to Revision*



Current as of February 1, 2014

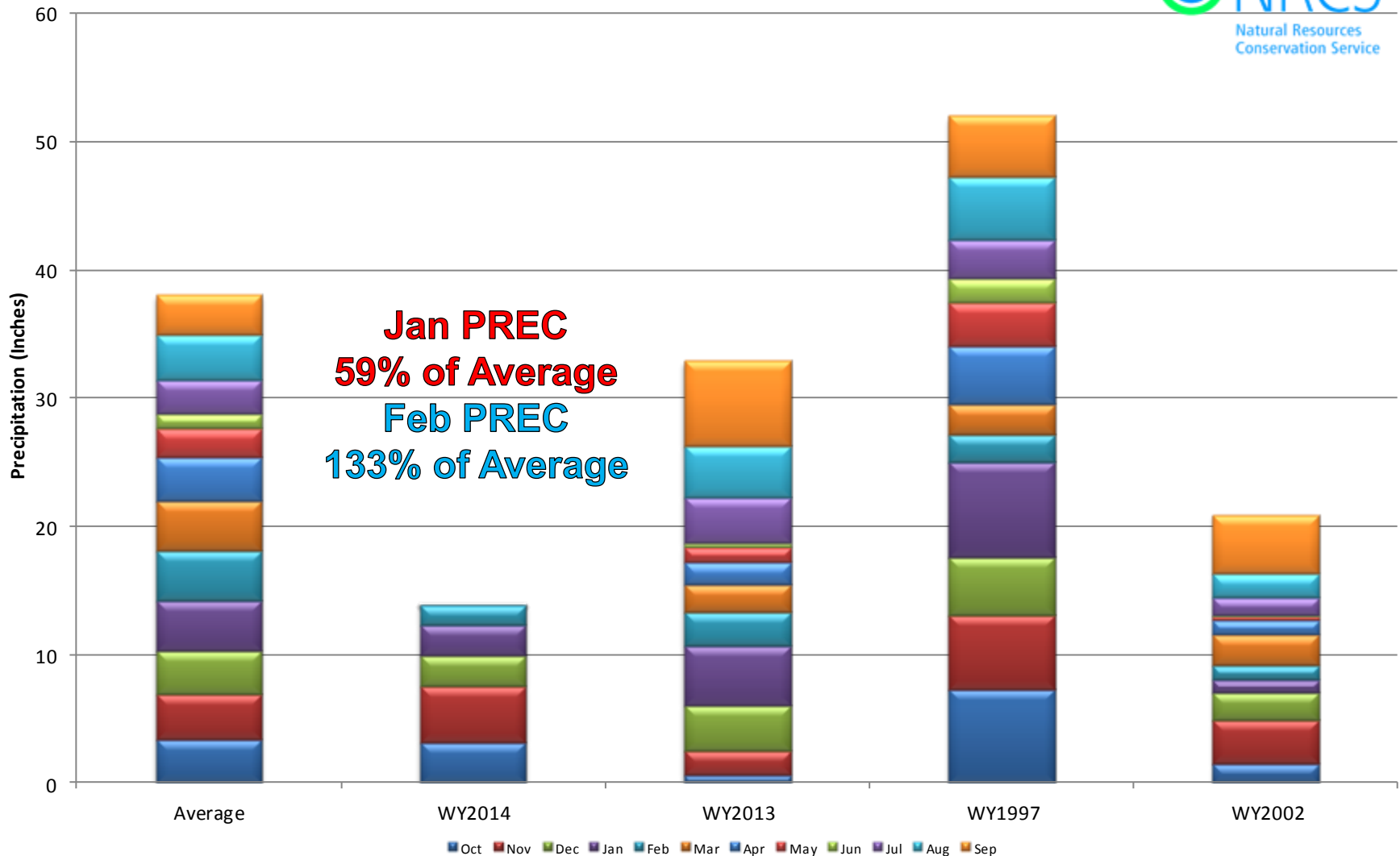
San Miguel, Dolores, Animas and San Juan River Basins High/Low Snowpack Summary

Based on Provisional SNOTEL data as of Feb 12, 2014



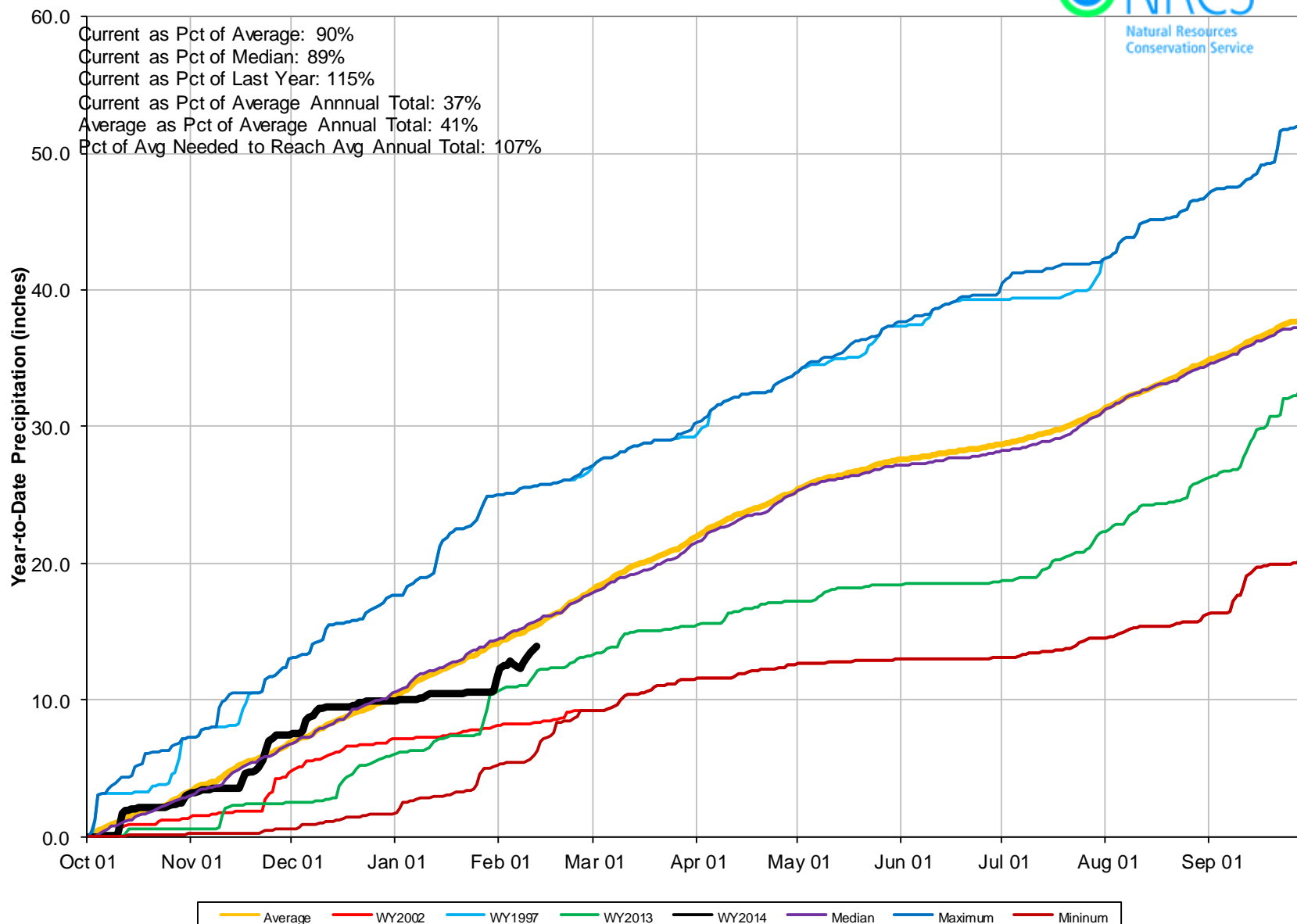
San Miguel, Dolores, Animas & San Juan River Basins High/Low Monthly Precipitation Summary

Based on Provisional SNOTEL data as of Feb 12, 2014



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

Based on Provisional SNOTEL data as of Feb 12, 2014



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



Percent of Average



*Provisional Data
Subject to Revision*

**84% of Avg
54% of Capacity
Last Year: 66% of Average**

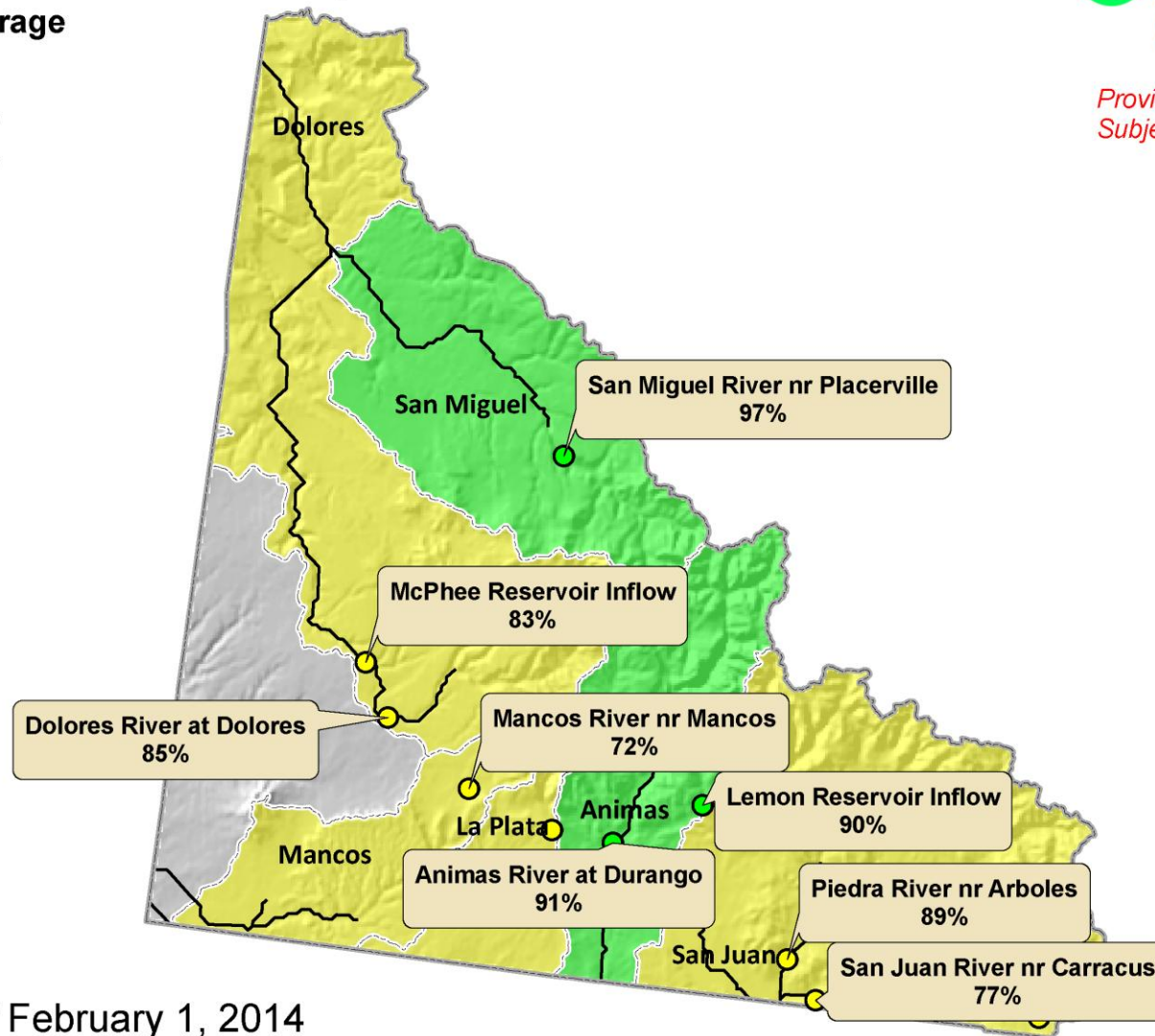
End of January 2014

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



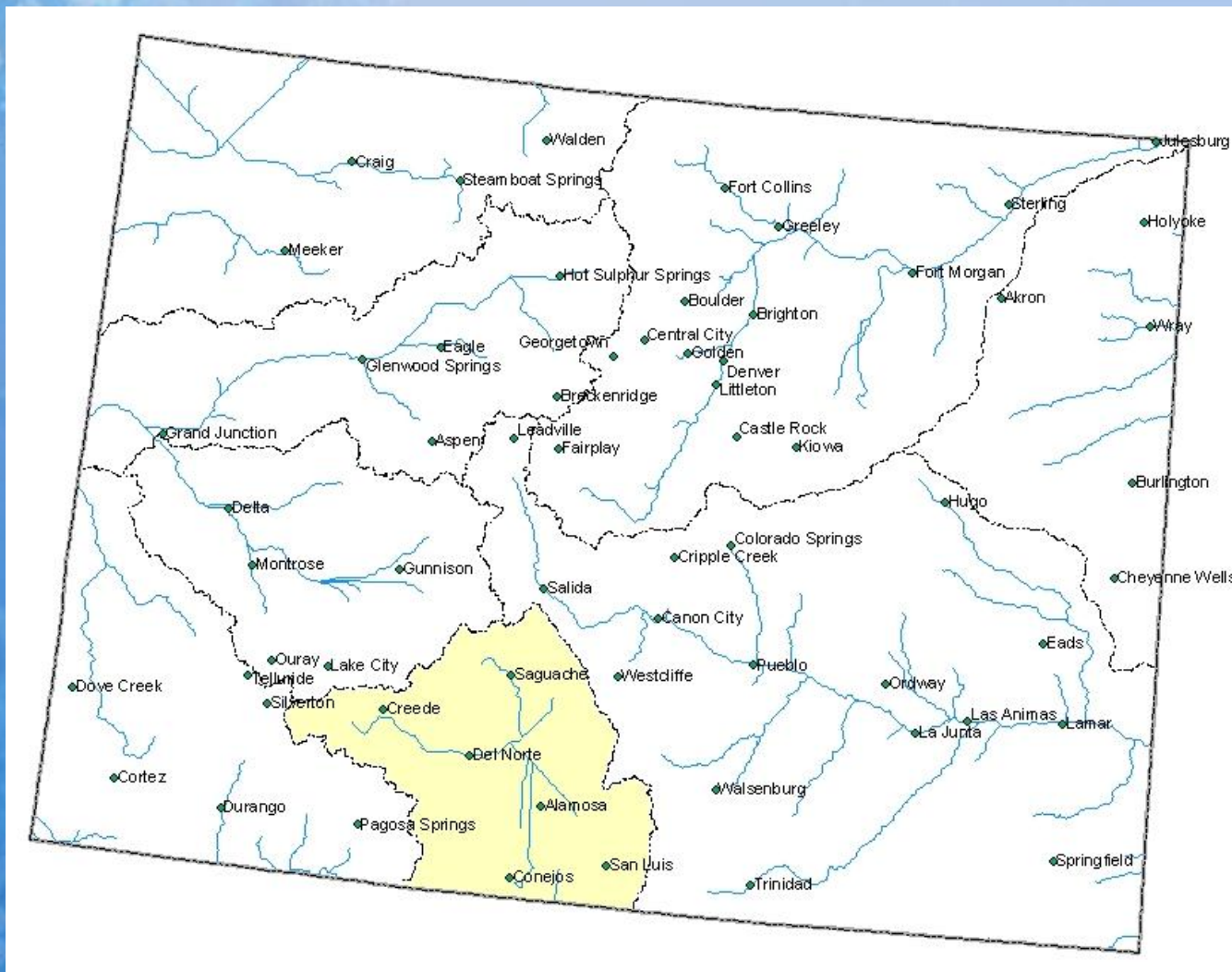
*Provisional Data
Subject to Revision*

Percent of Average



Current as of February 1, 2014

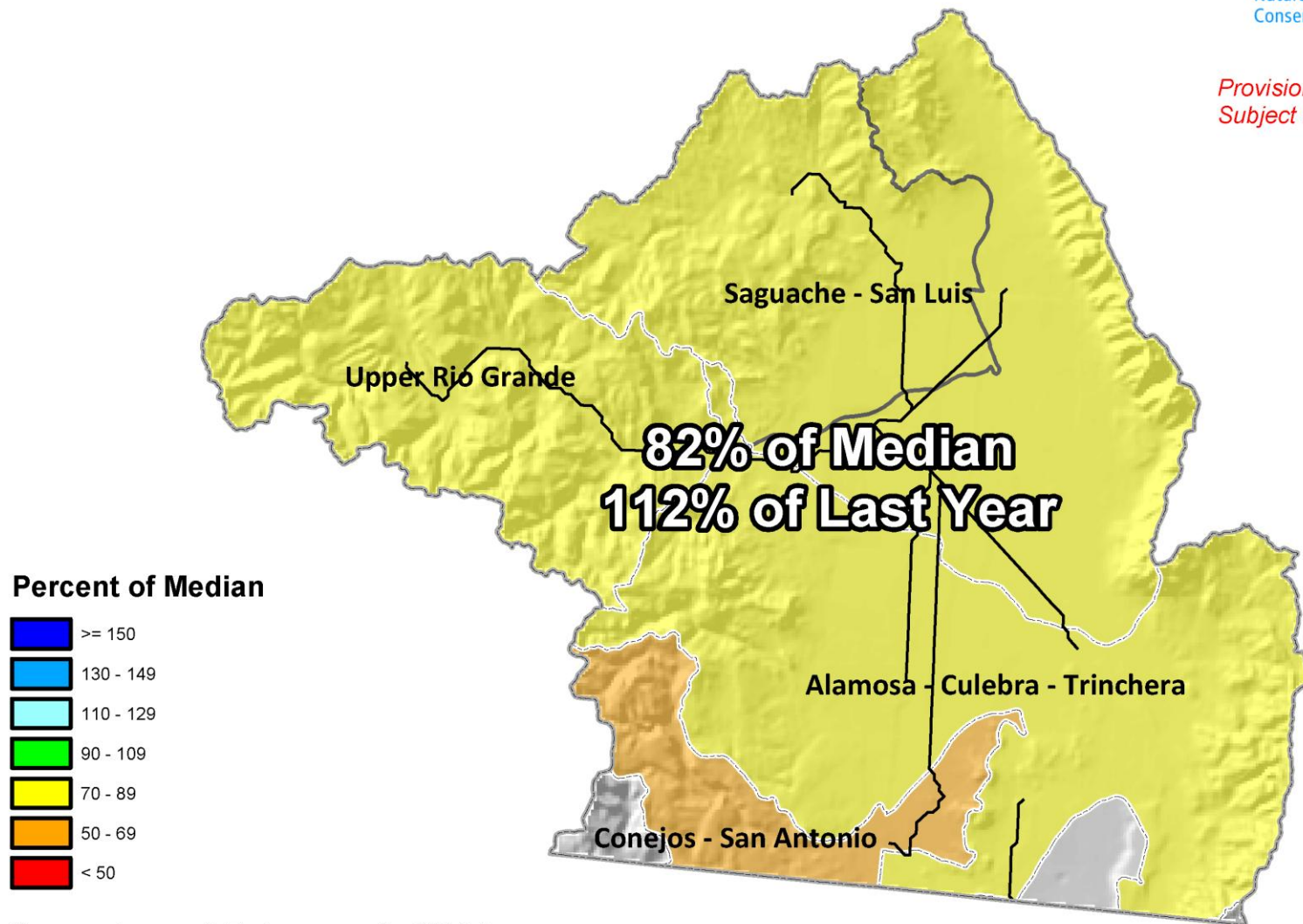
Upper Rio Grande Basin Summary



Upper Rio Grande Basin Snowpack Map



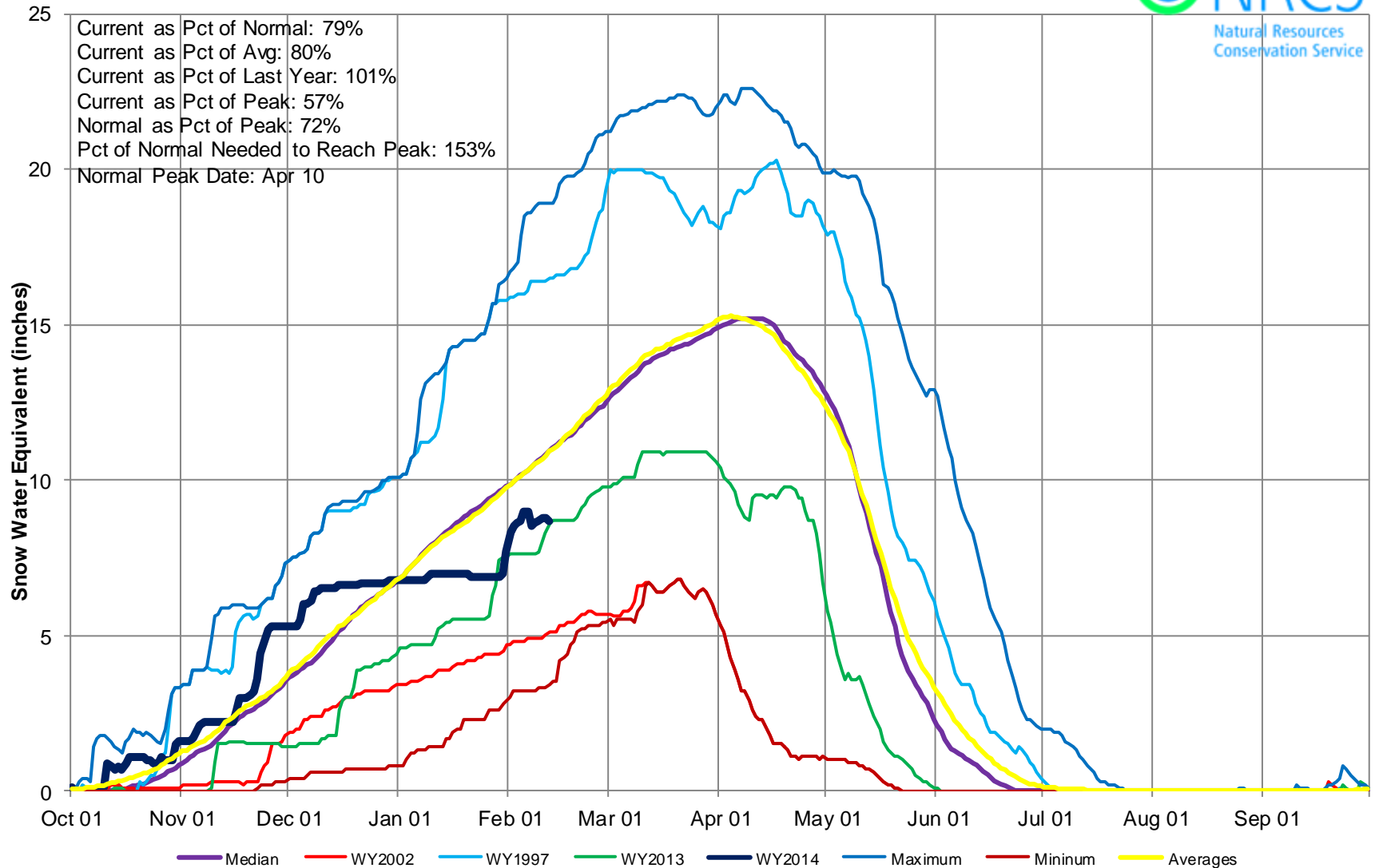
*Provisional Data
Subject to Revision*



Current as of February 1, 2014

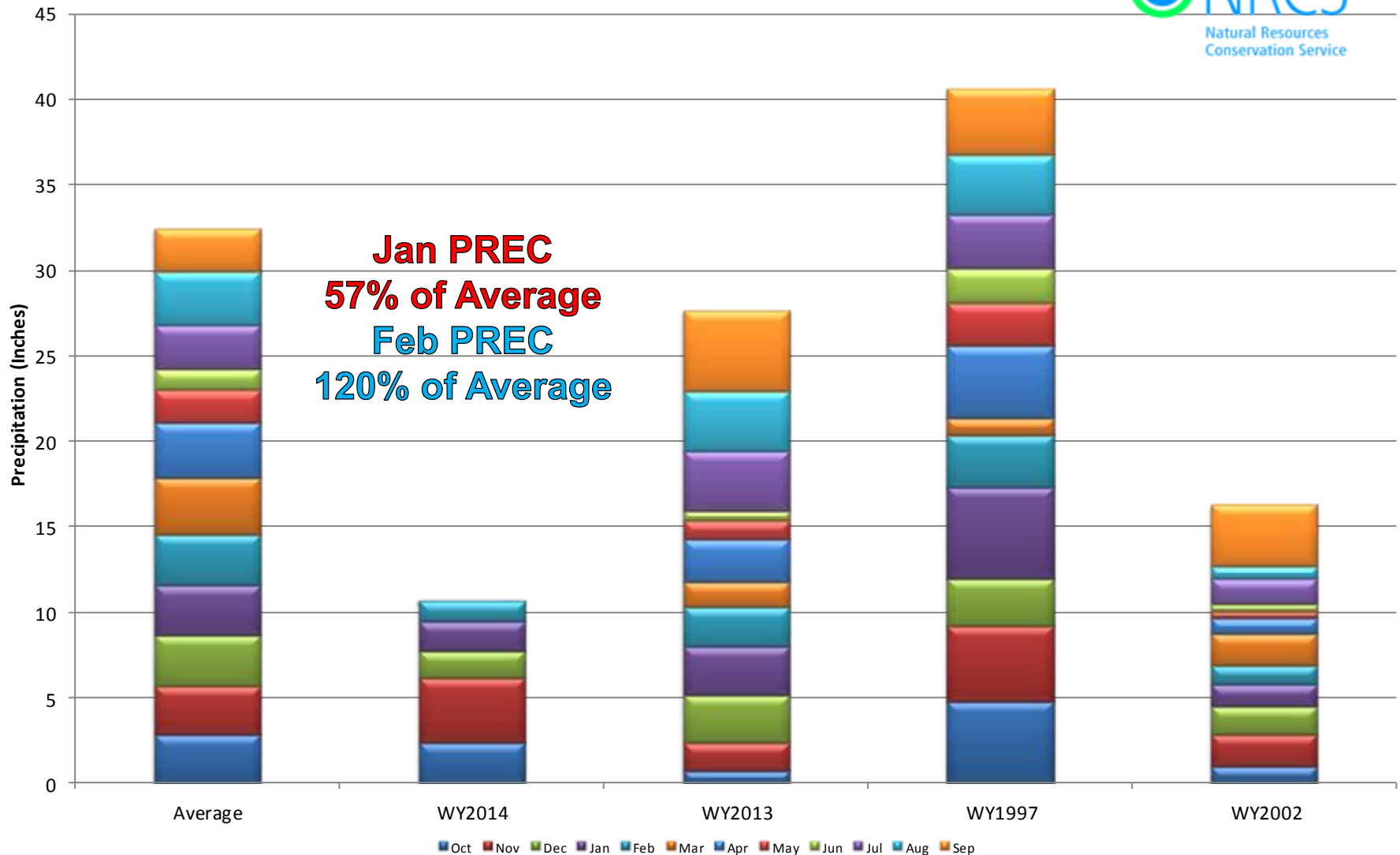
Upper Rio Grande Basin High/Low Snowpack Summary

Based on Provisional SNOTEL data as of Feb 12, 2014



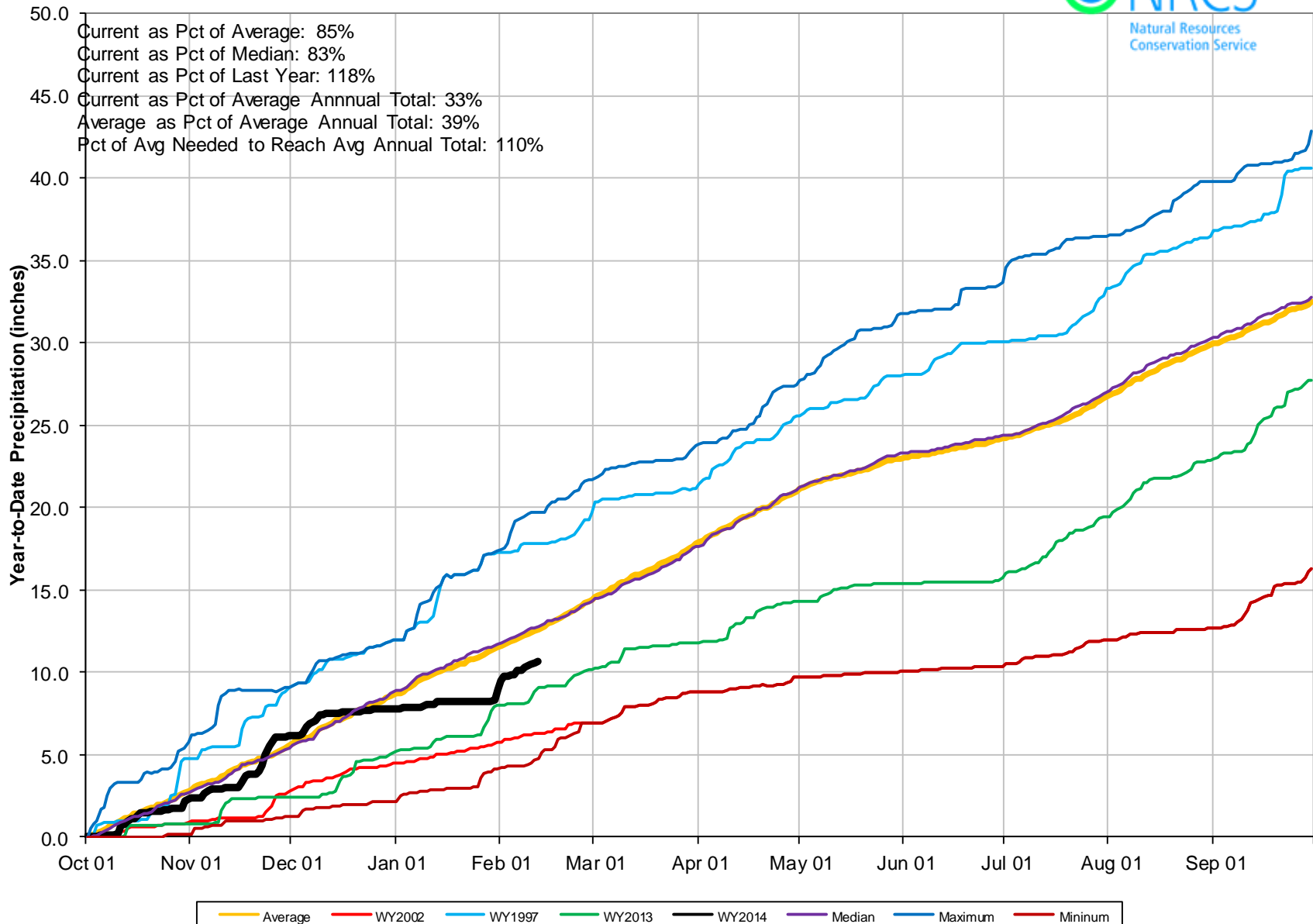
Upper Rio Grande Basin High/Low Monthly Precipitation Summary

Based on Provisional SNOTEL data as of Feb 12, 2014



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

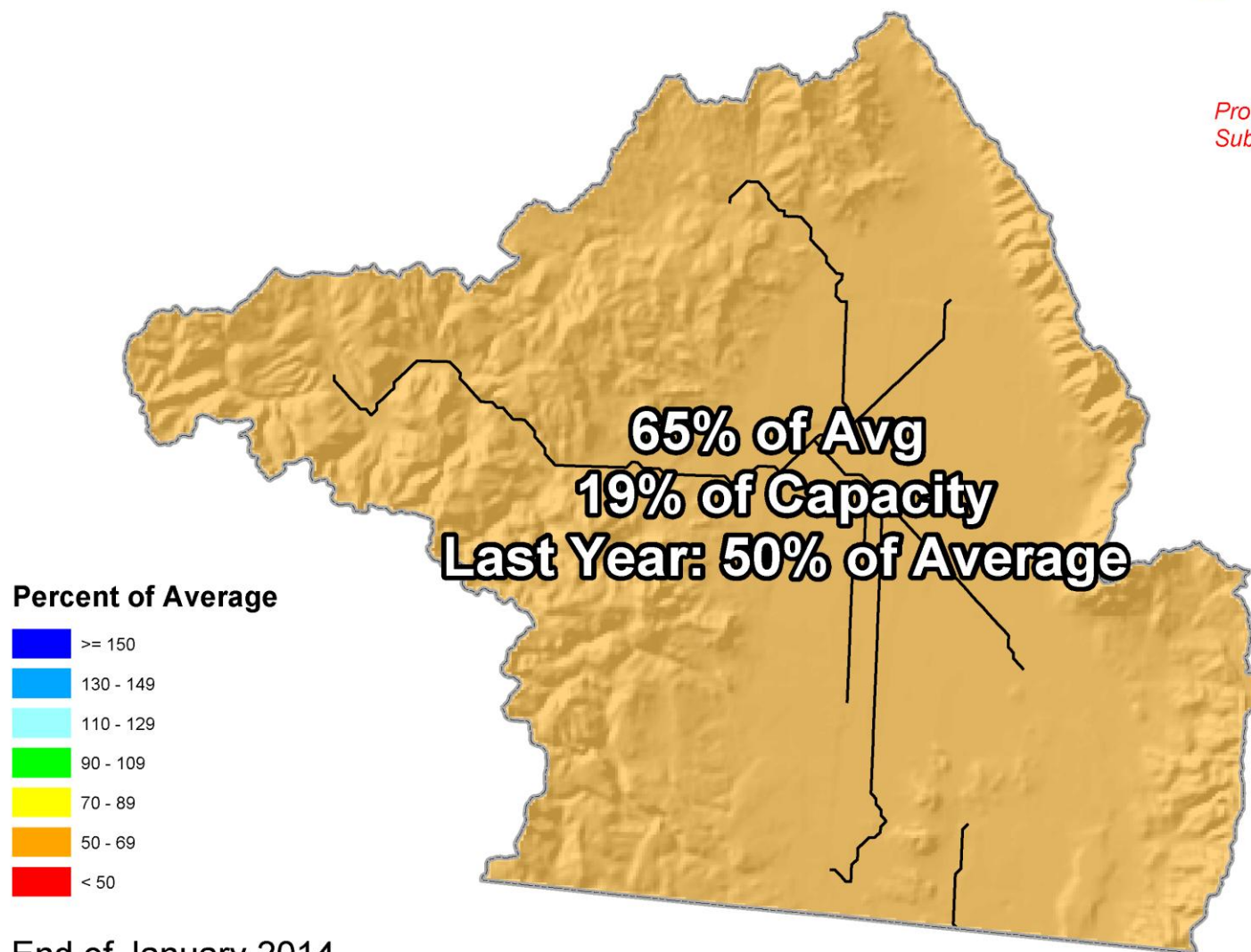
Based on Provisional SNOTEL data as of Feb 12, 2014



Upper Rio Grande Basin Reservoir Storage Map



*Provisional Data
Subject to Revision*



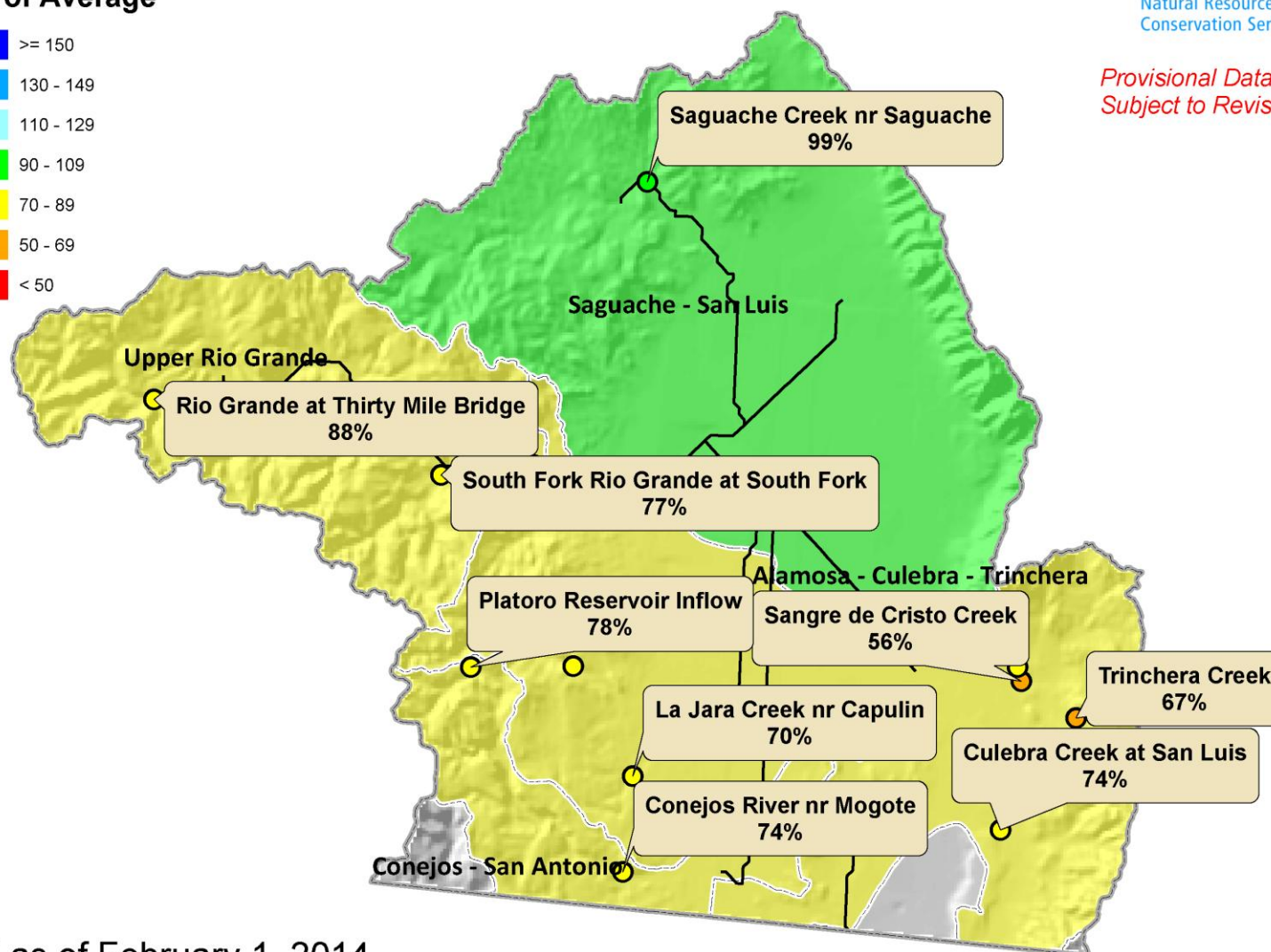
End of January 2014

Upper Rio Grande Basin Streamflow Forecast Map



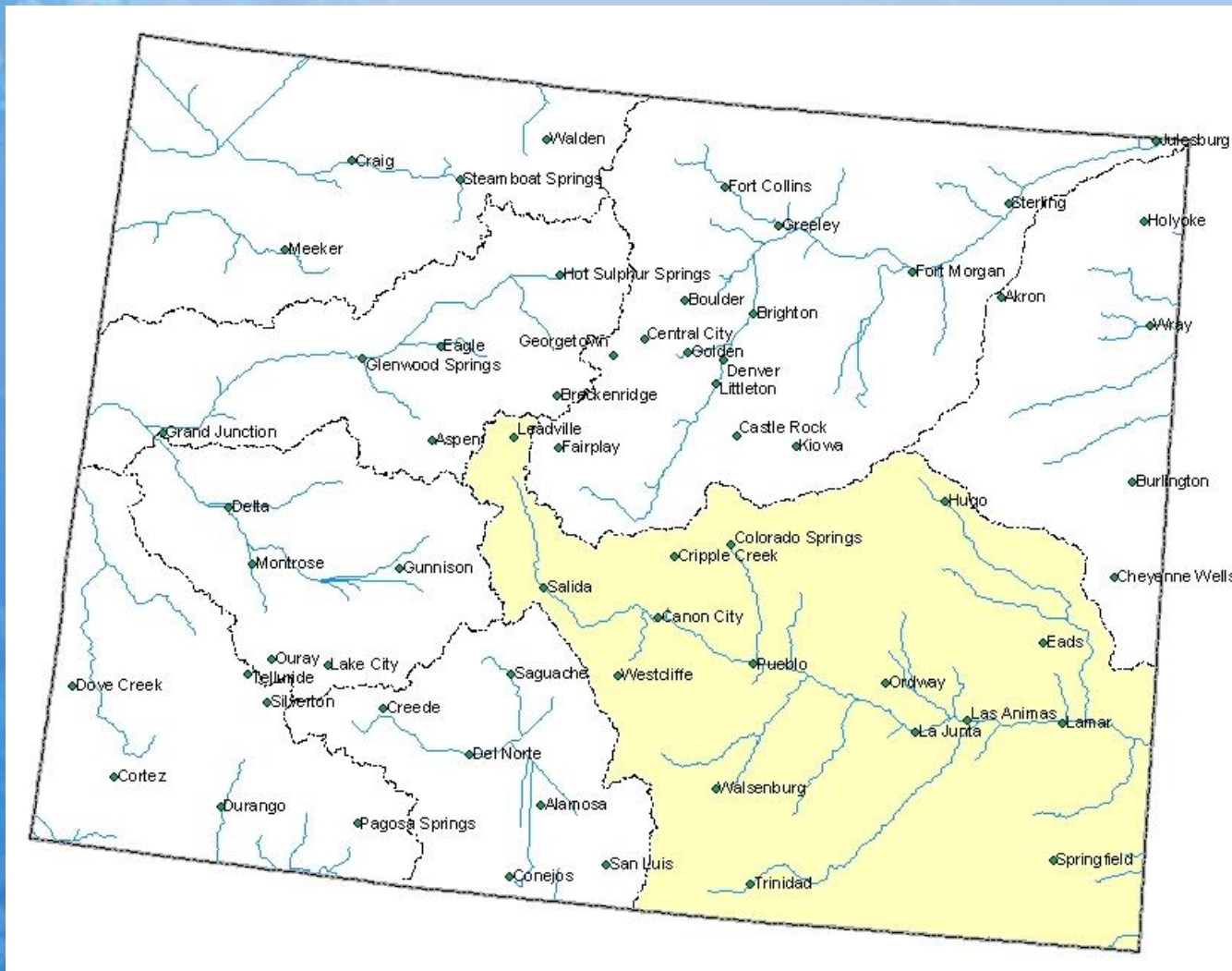
*Provisional Data
Subject to Revision*

Percent of Average



Current as of February 1, 2014

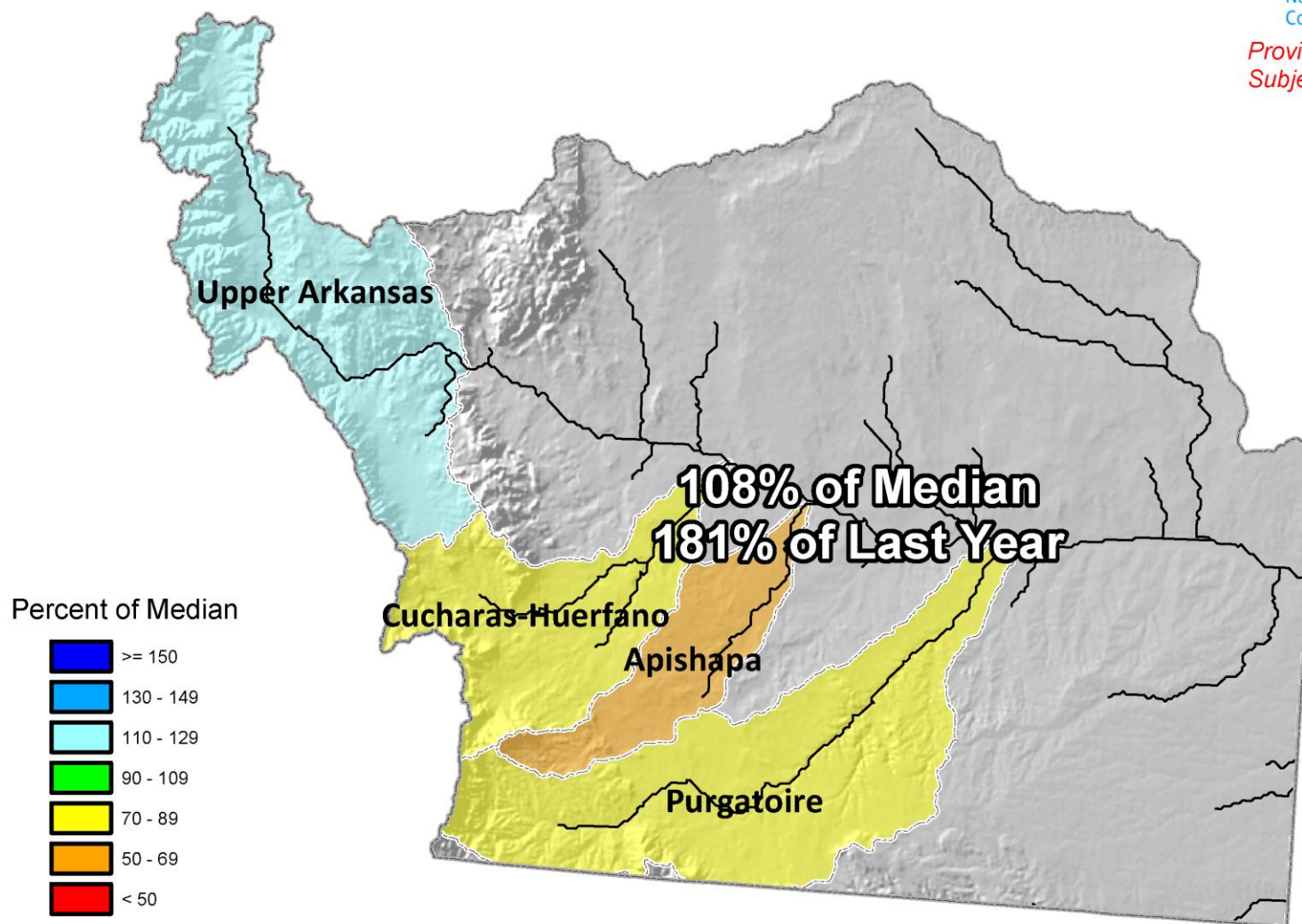
Arkansas River Basin Summary



Arkansas River Basin Snowpack Map



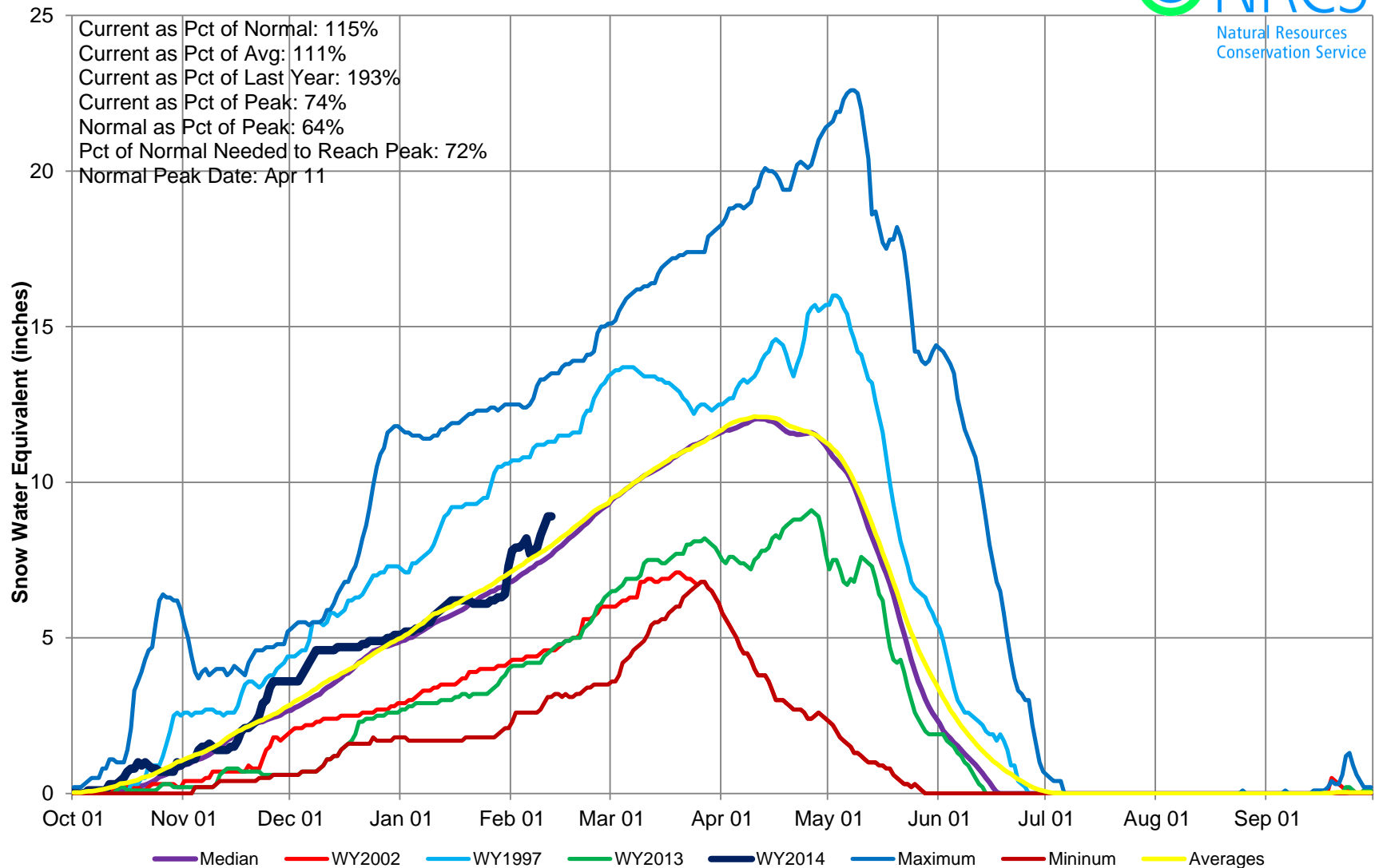
*Provisional Data
Subject to Revision*



Current as of February 1, 2014

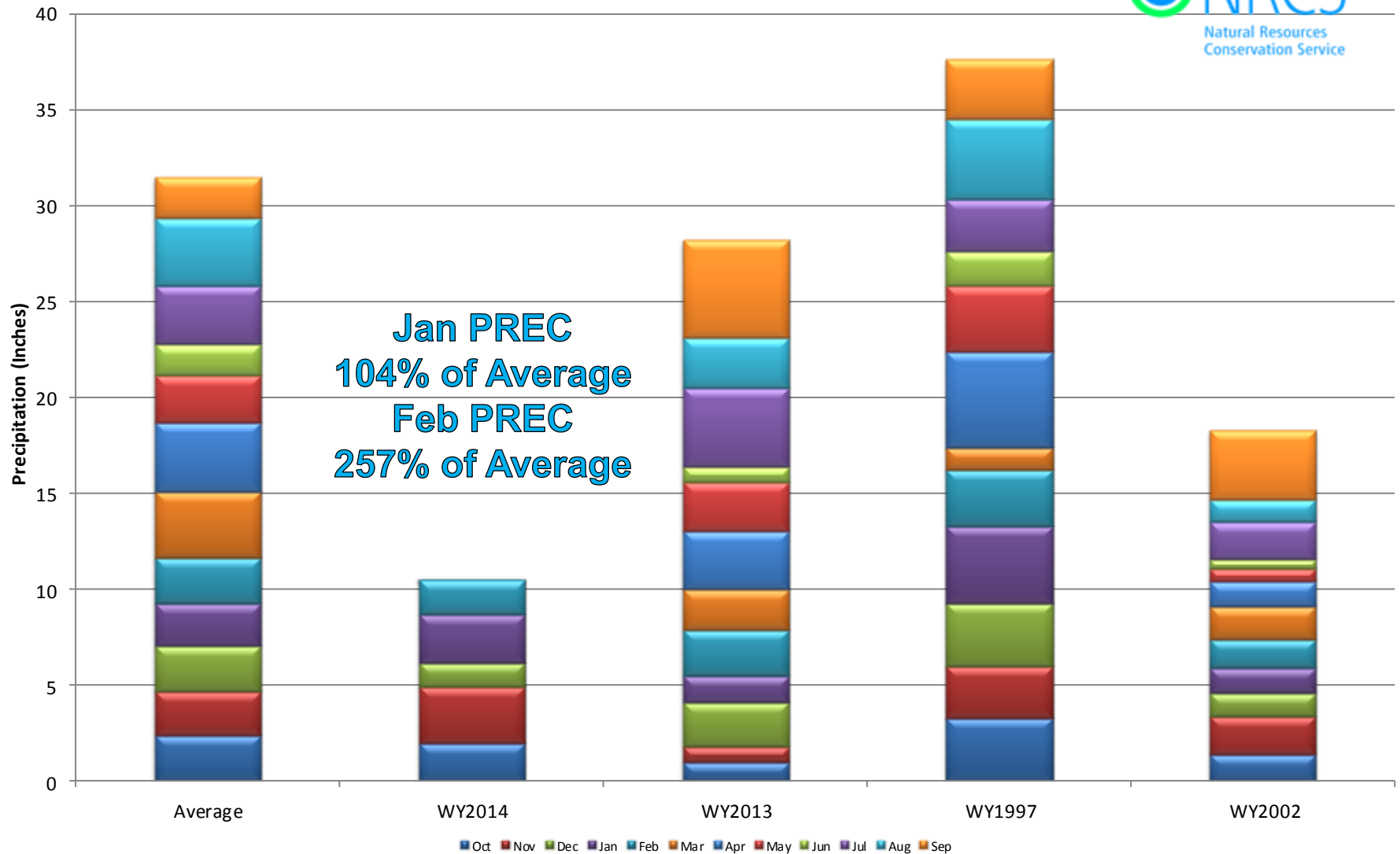
Arkansas River Basin High/Low Snowpack Summary

Based on Provisional SNOTEL data as of Feb 12, 2014



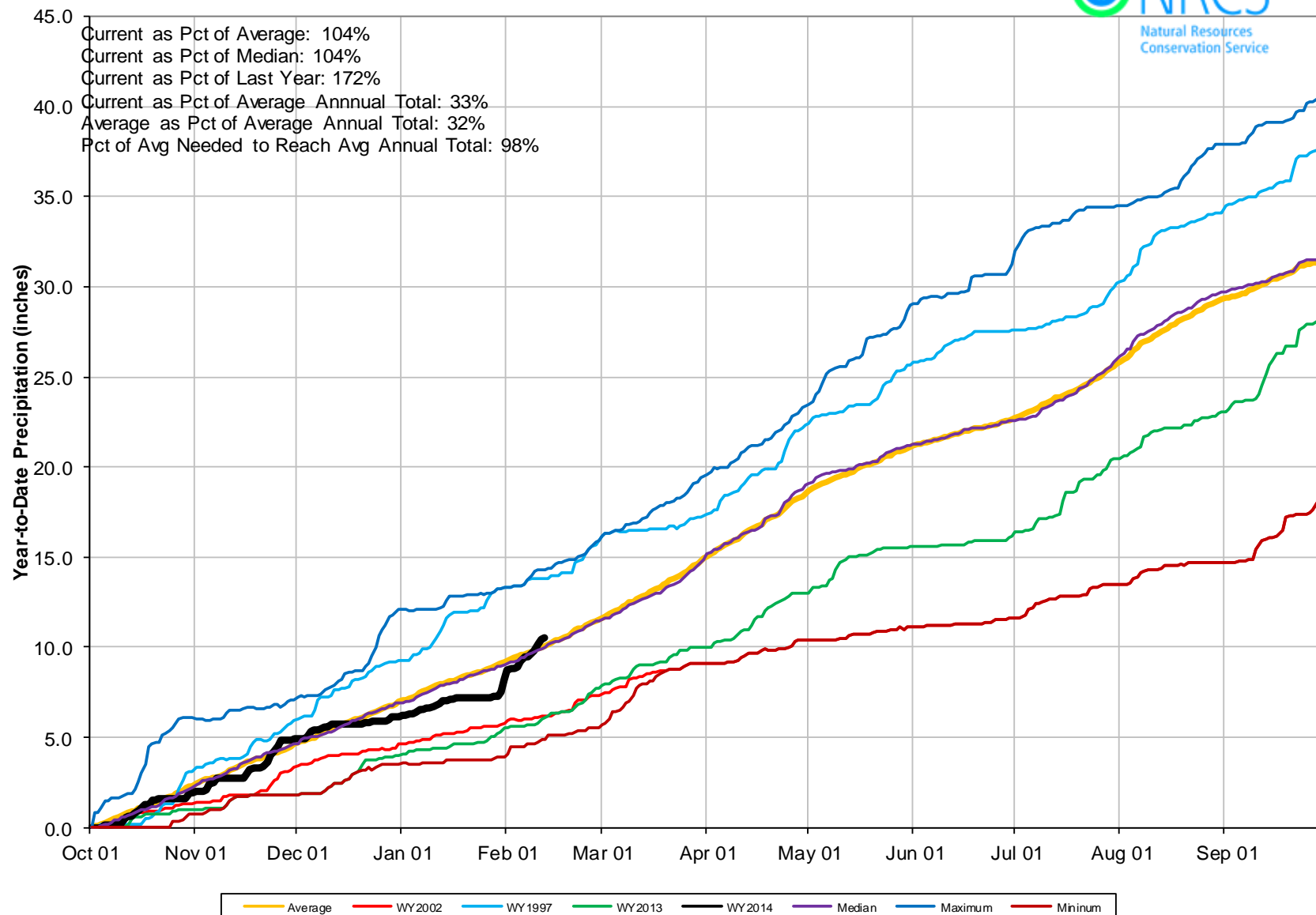
Arkansas River Basin High/Low Monthly Precipitation Summary

Based on Provisional SNOTEL data as of Feb 12, 2014



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

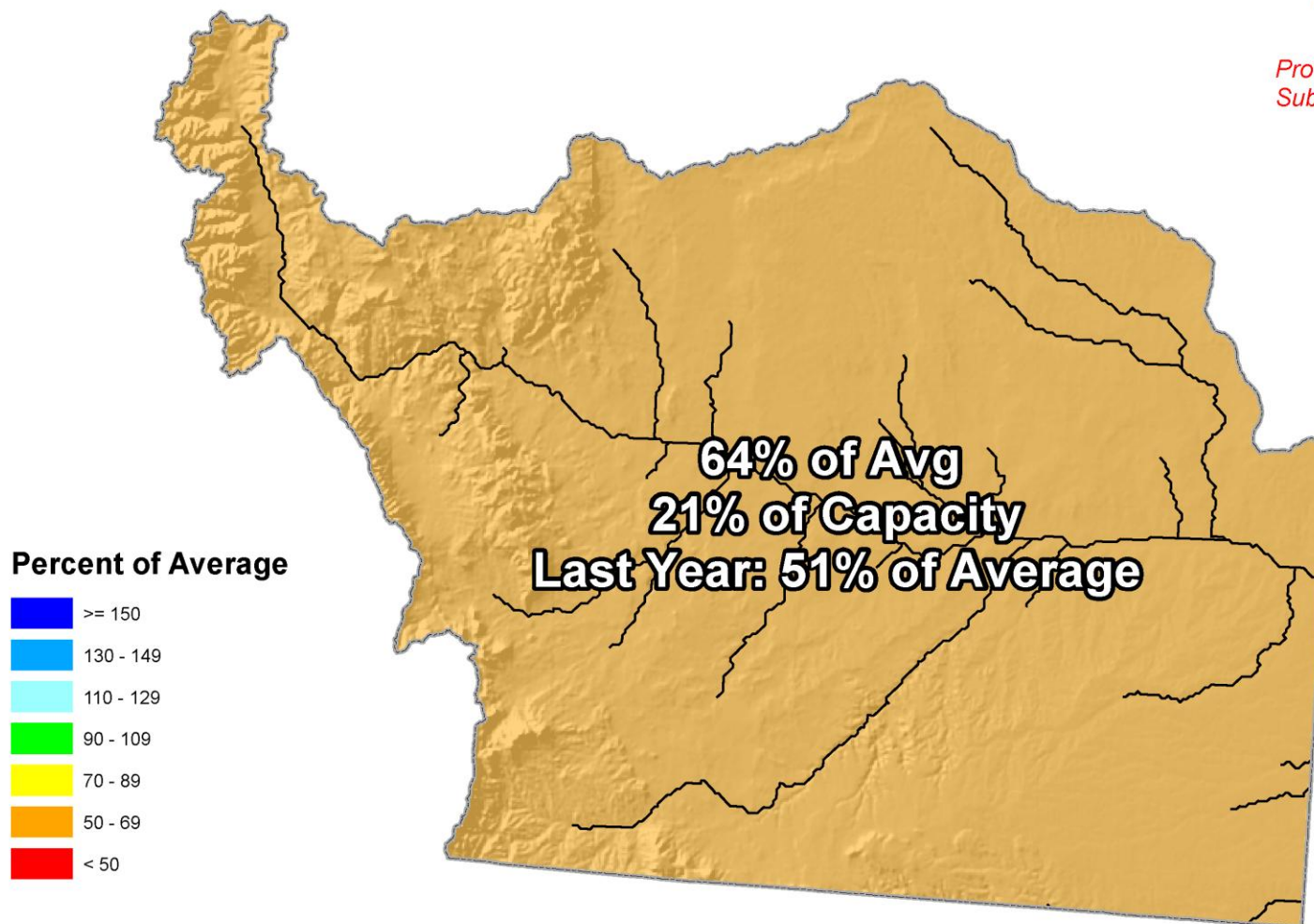
Based on Provisional SNOTEL data as of Feb 12, 2014



Arkansas River Basin Reservoir Storage Map



*Provisional Data
Subject to Revision*

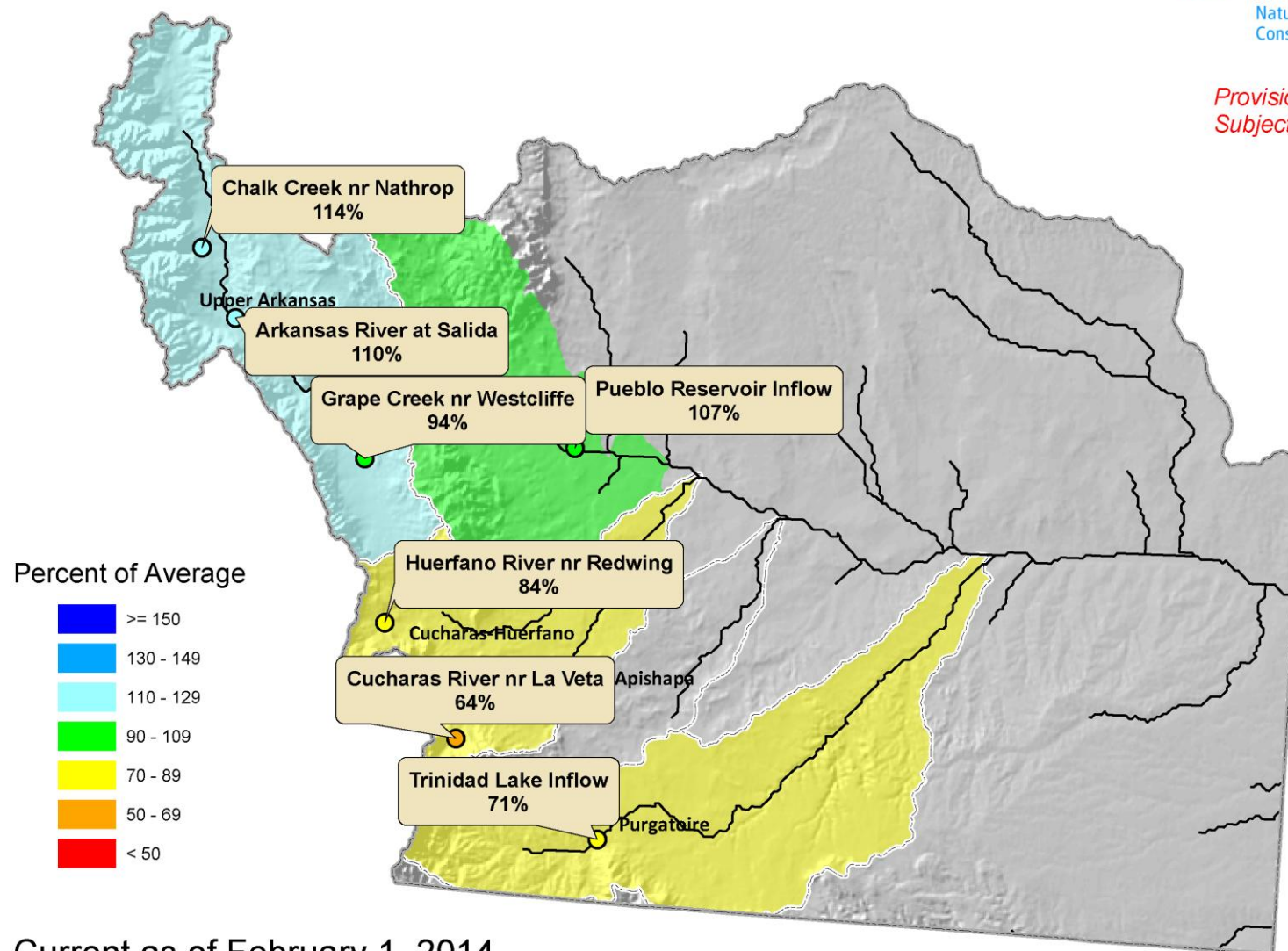


End of January 2014

Arkansas River Basin Streamflow Forecast Map

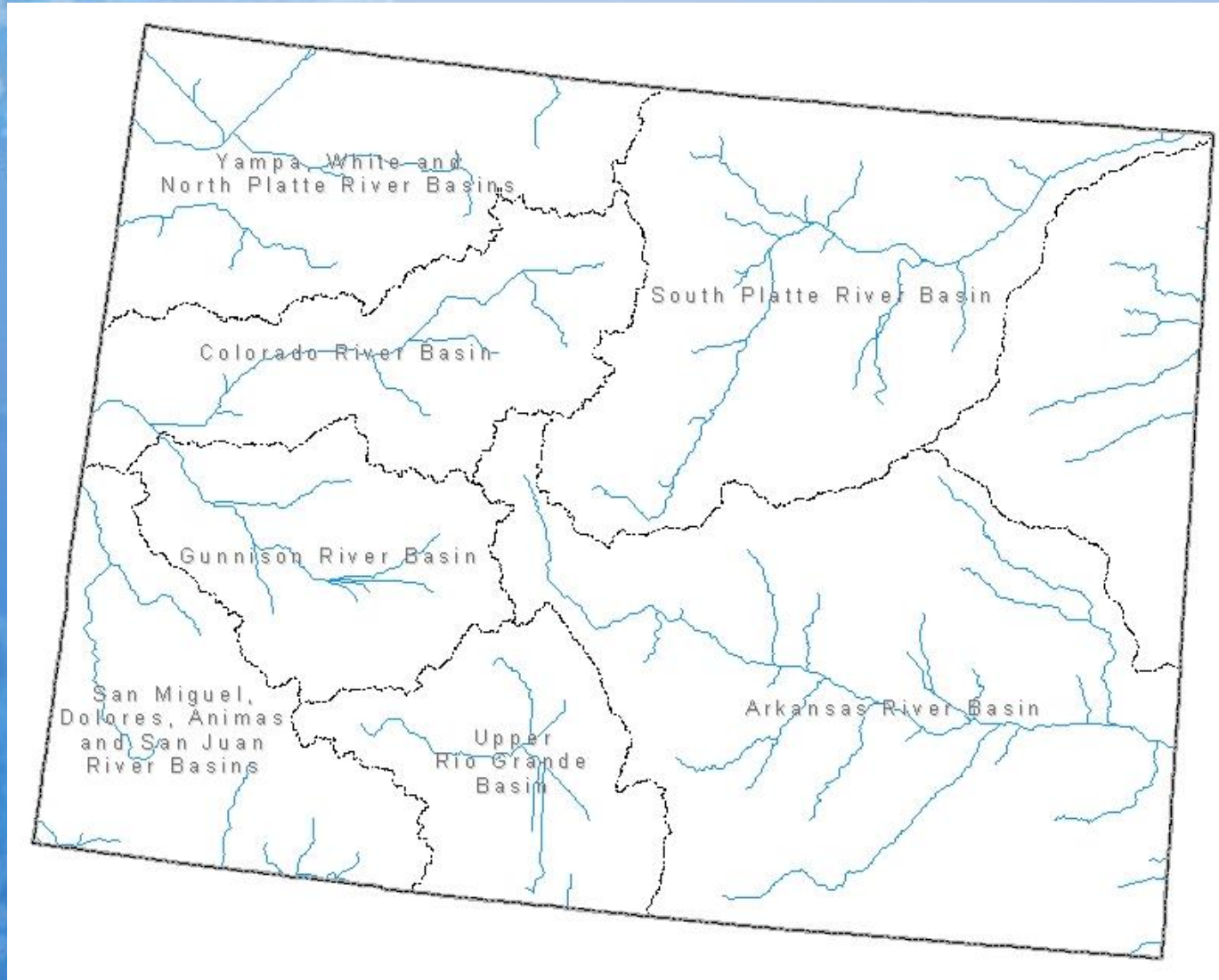


*Provisional Data
Subject to Revision*



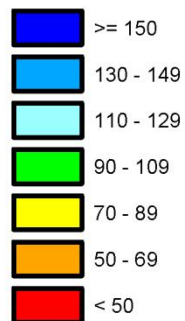
Current as of February 1, 2014

Colorado Statewide Summary

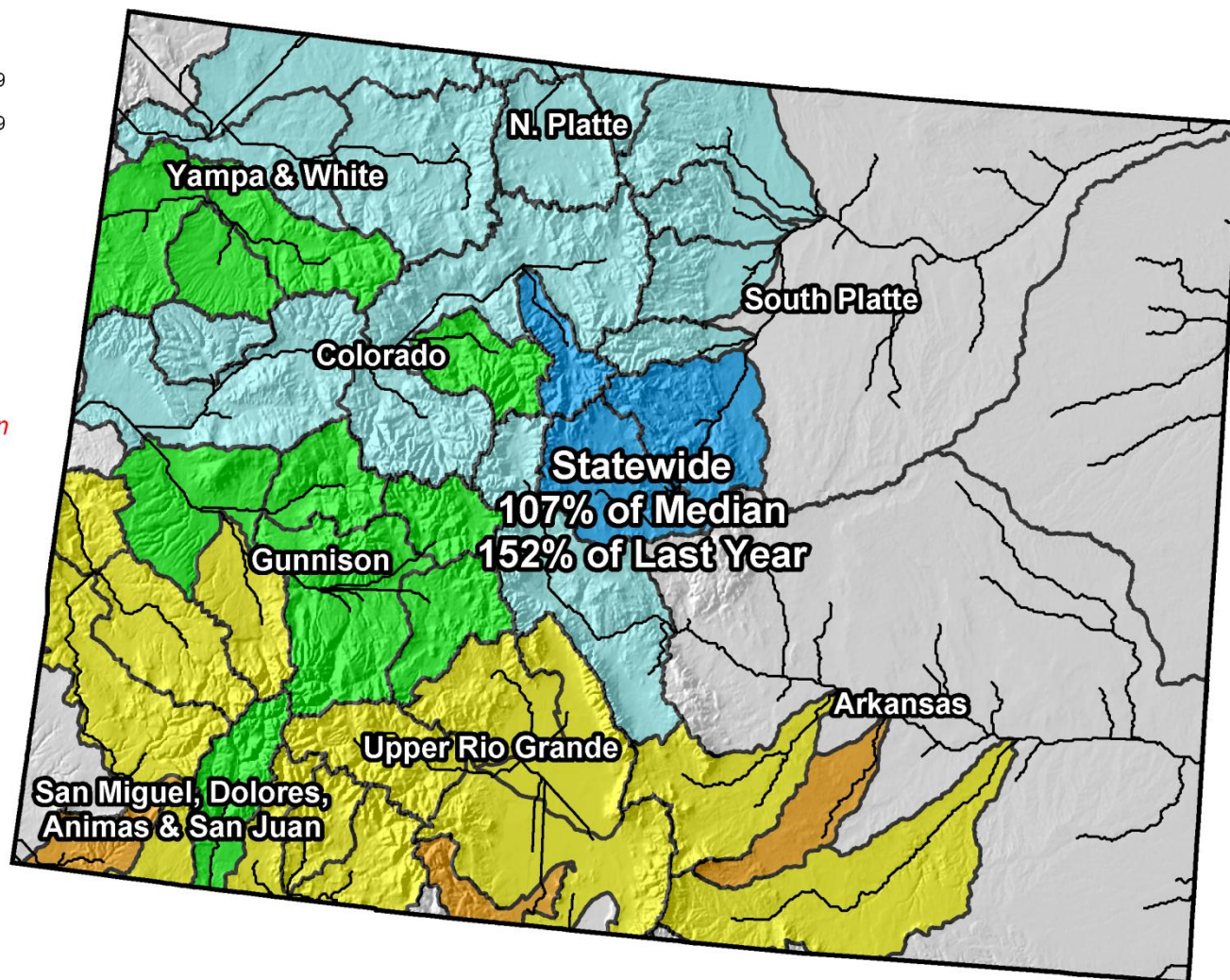


Colorado Snowpack Map

Percent of Median



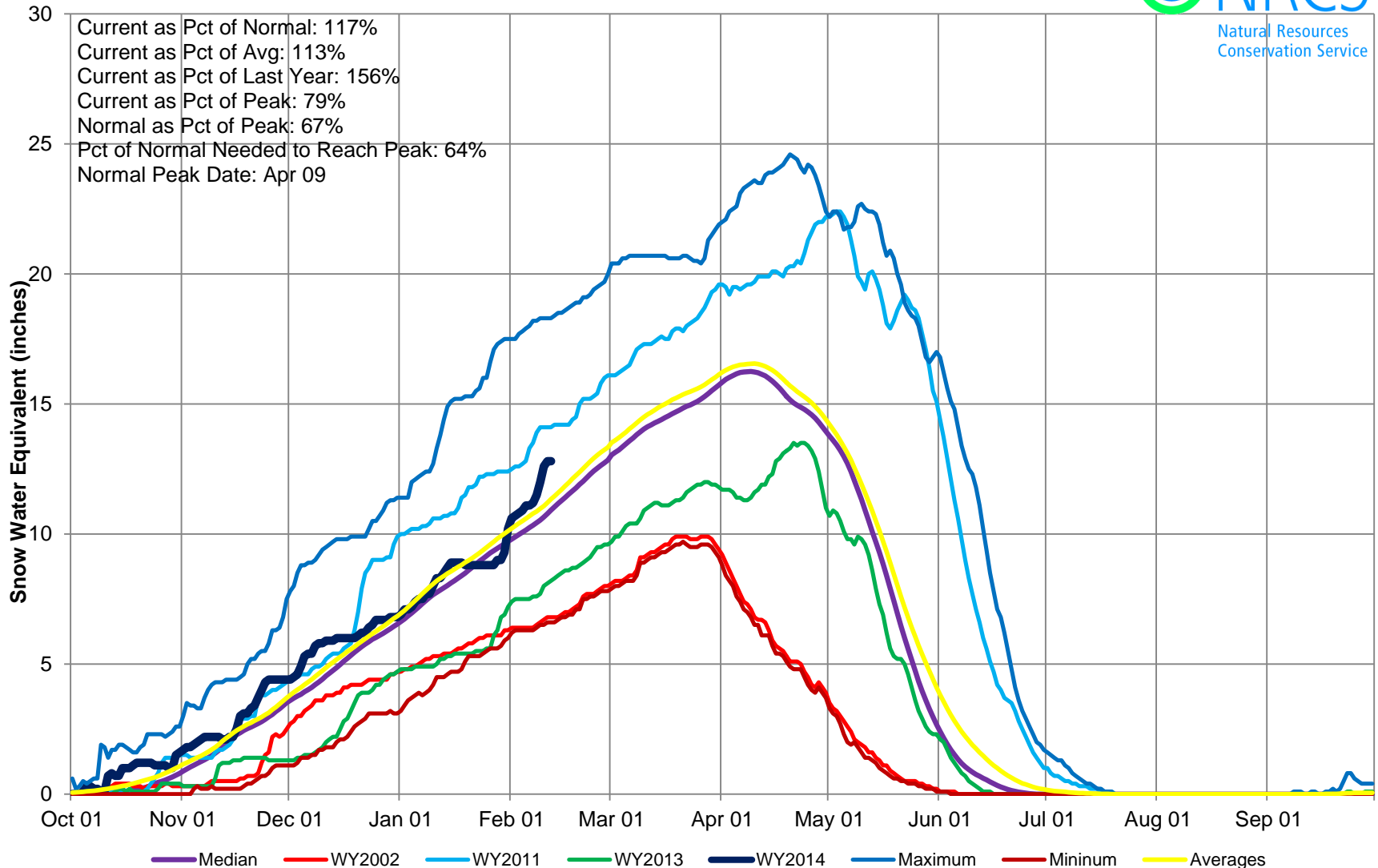
*Provisional Data
Subject to Revision*



Current as of February 1, 2014

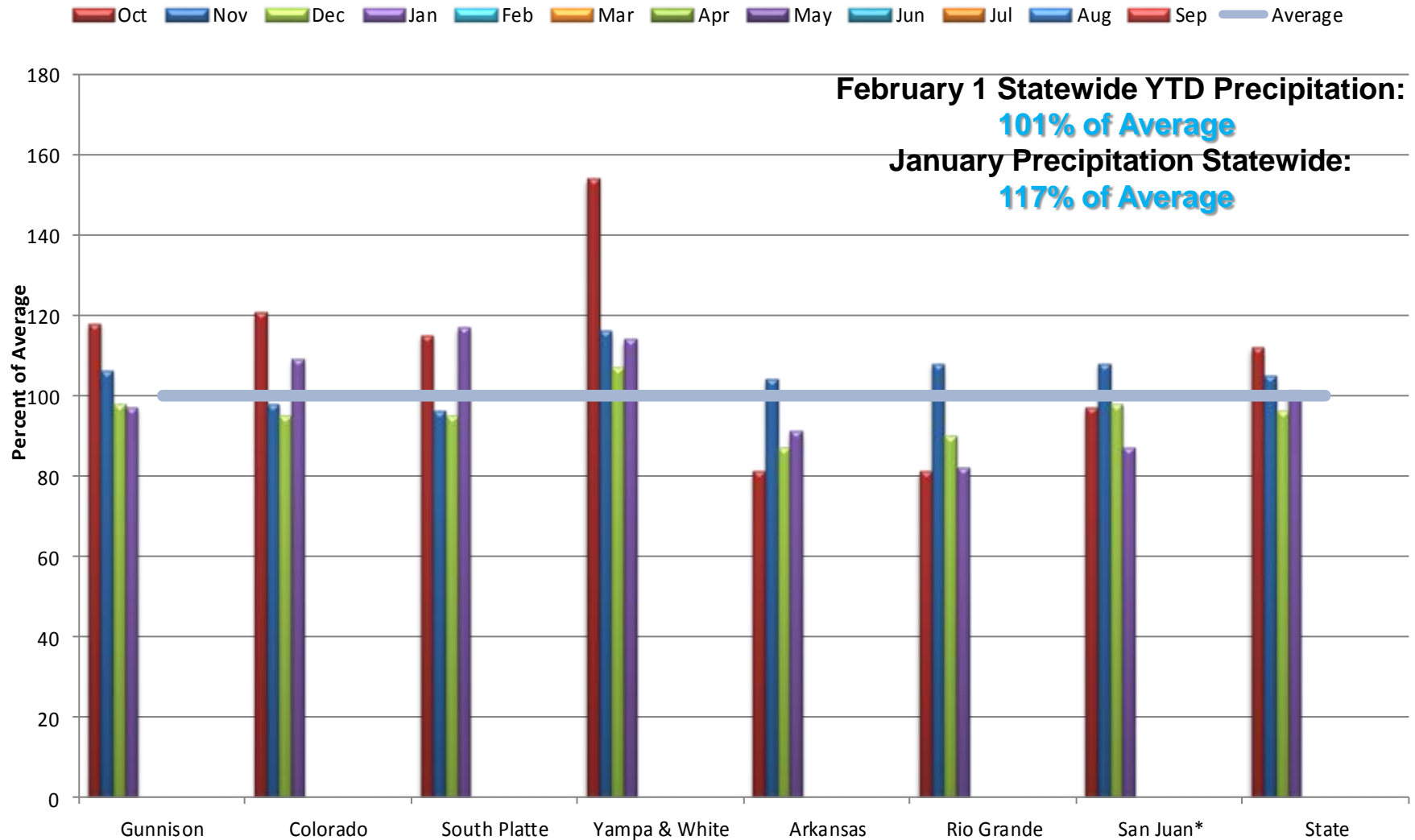
Colorado Statewide High/Low Snowpack Summary

Based on Provisional SNOTEL data as of Feb 12, 2014



Colorado Year-to-Date Precipitation Summary for WY2014

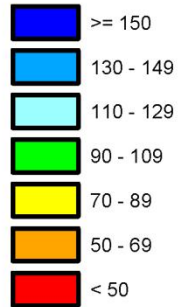
USDA Natural Resources Conservation Service



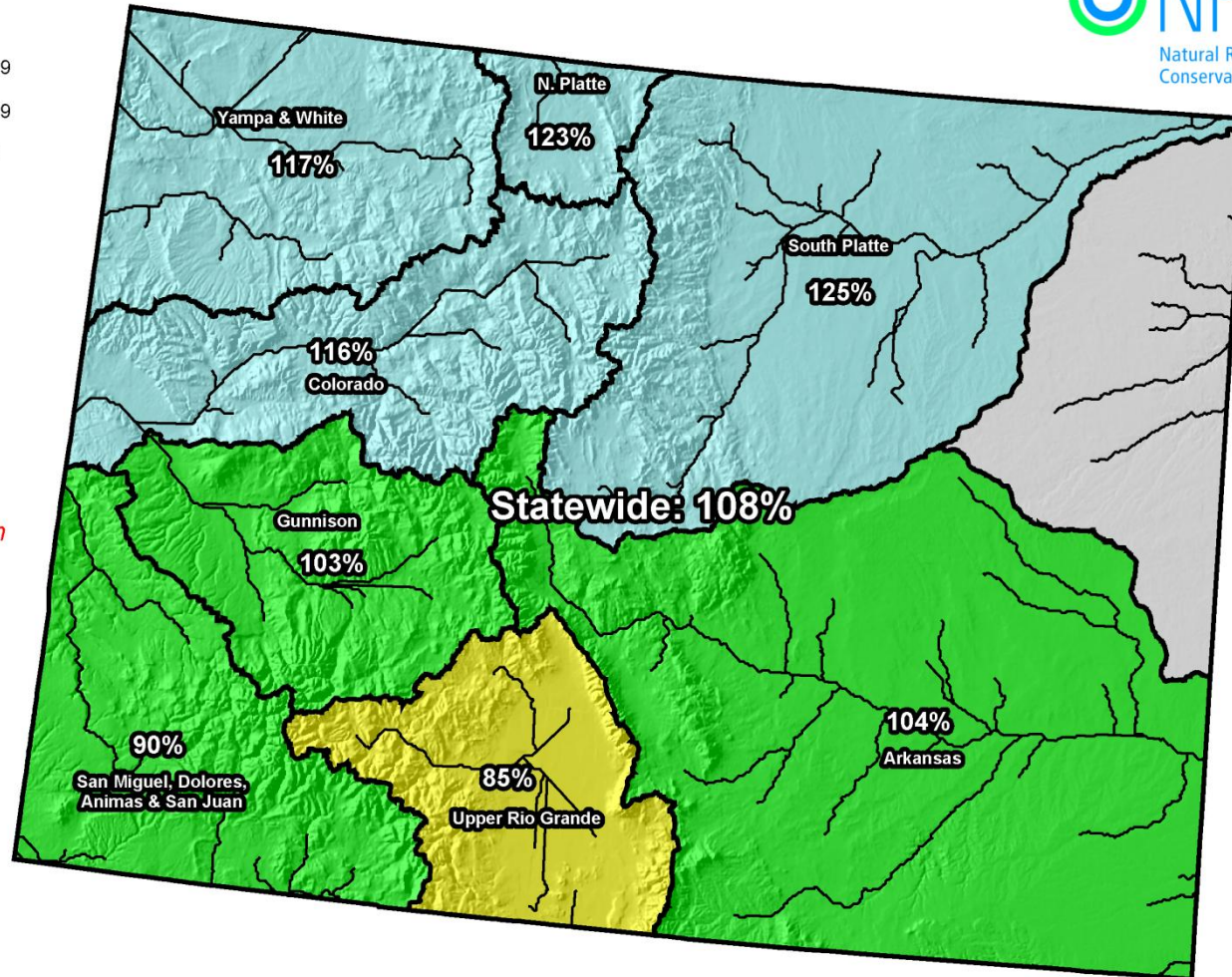
*Includes Animas, Dolores, San Miguel Basins

Colorado SNOTEL Water Year-to-Date Precipitation Update Map

Percent of Average



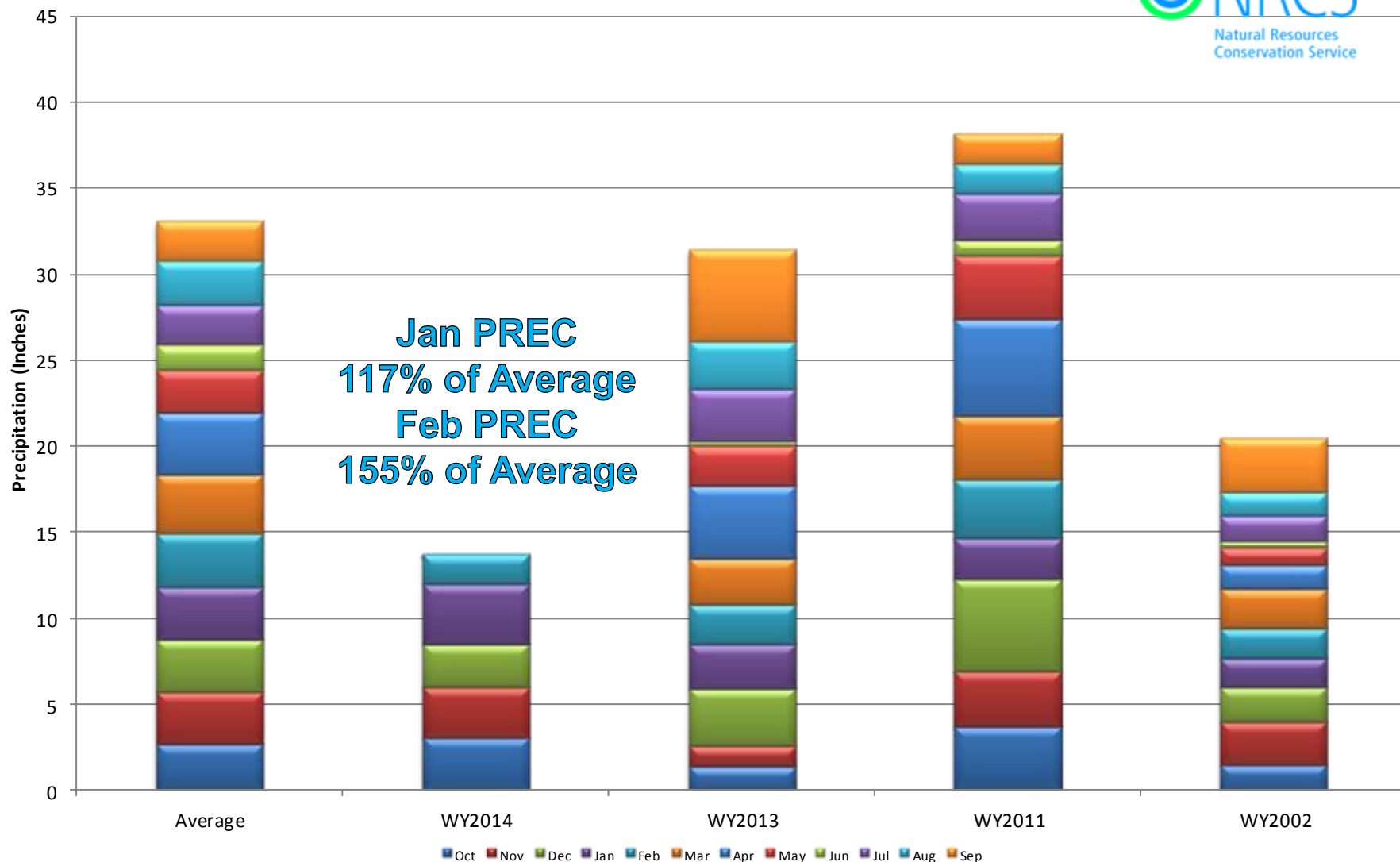
*Provisional Data
Subject to Revision*



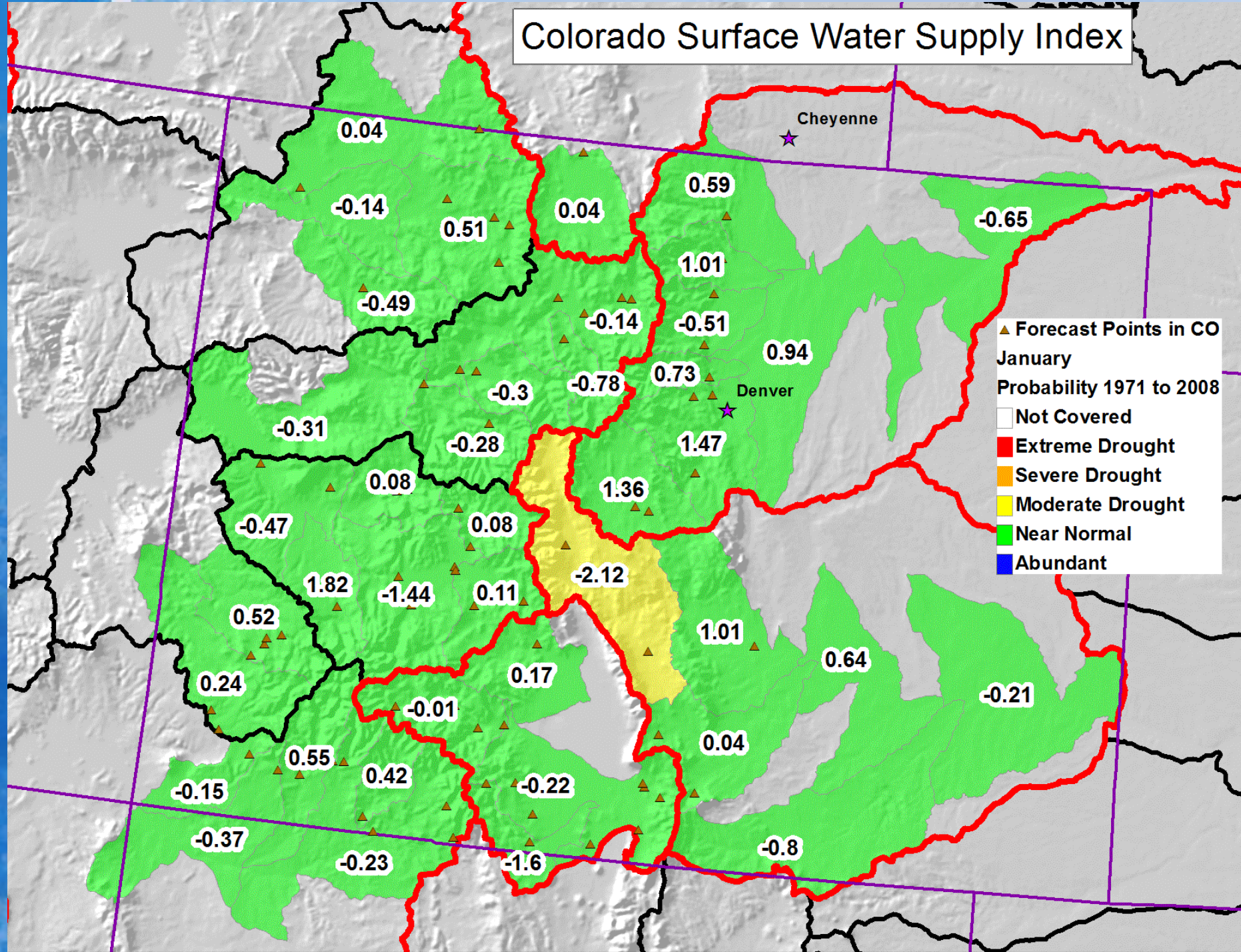
Current as of 02/12/2014

Colorado Statewide High/Low Monthly Precipitation Summary

Based on Provisional SNOTEL data as of Feb 12, 2014

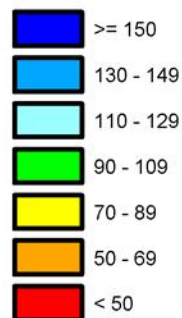


Colorado Surface Water Supply Index

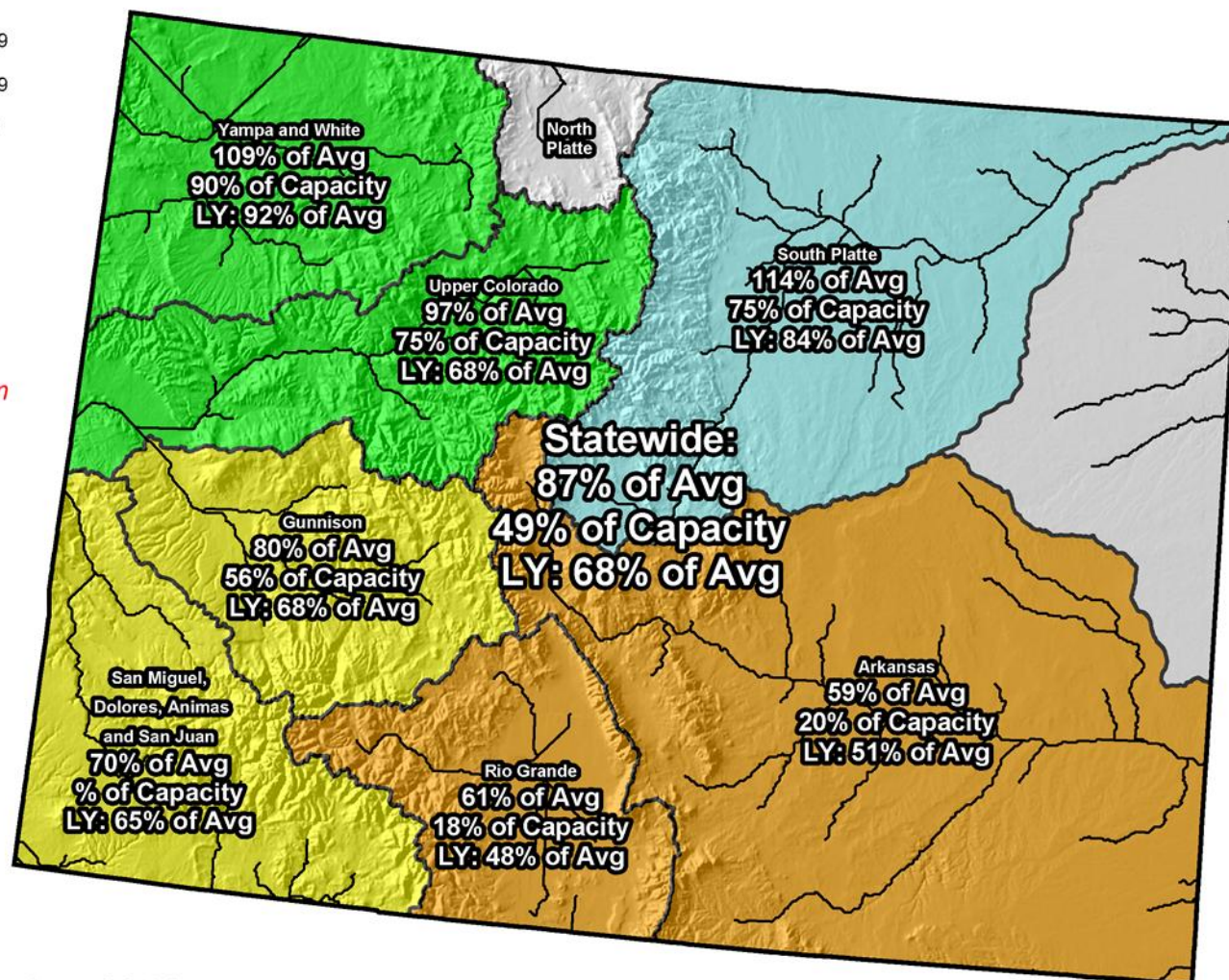


Colorado Reservoir Storage Map

Percent of Average



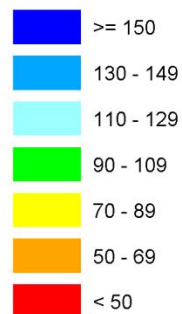
*Provisional Data
Subject to Revision*



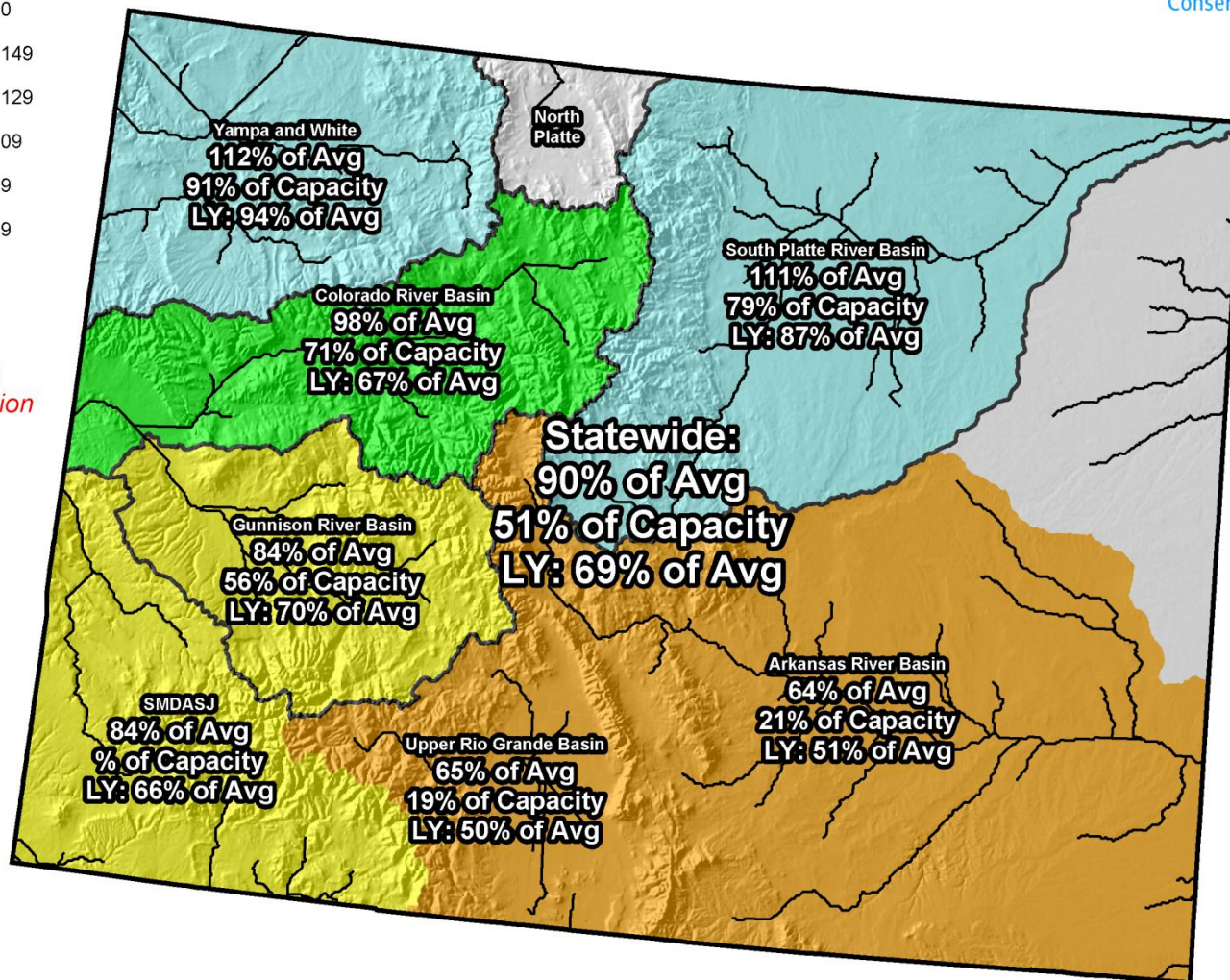
End of December 2013

Colorado Reservoir Storage Map

Percent of Average



*Provisional Data
Subject to Revision*



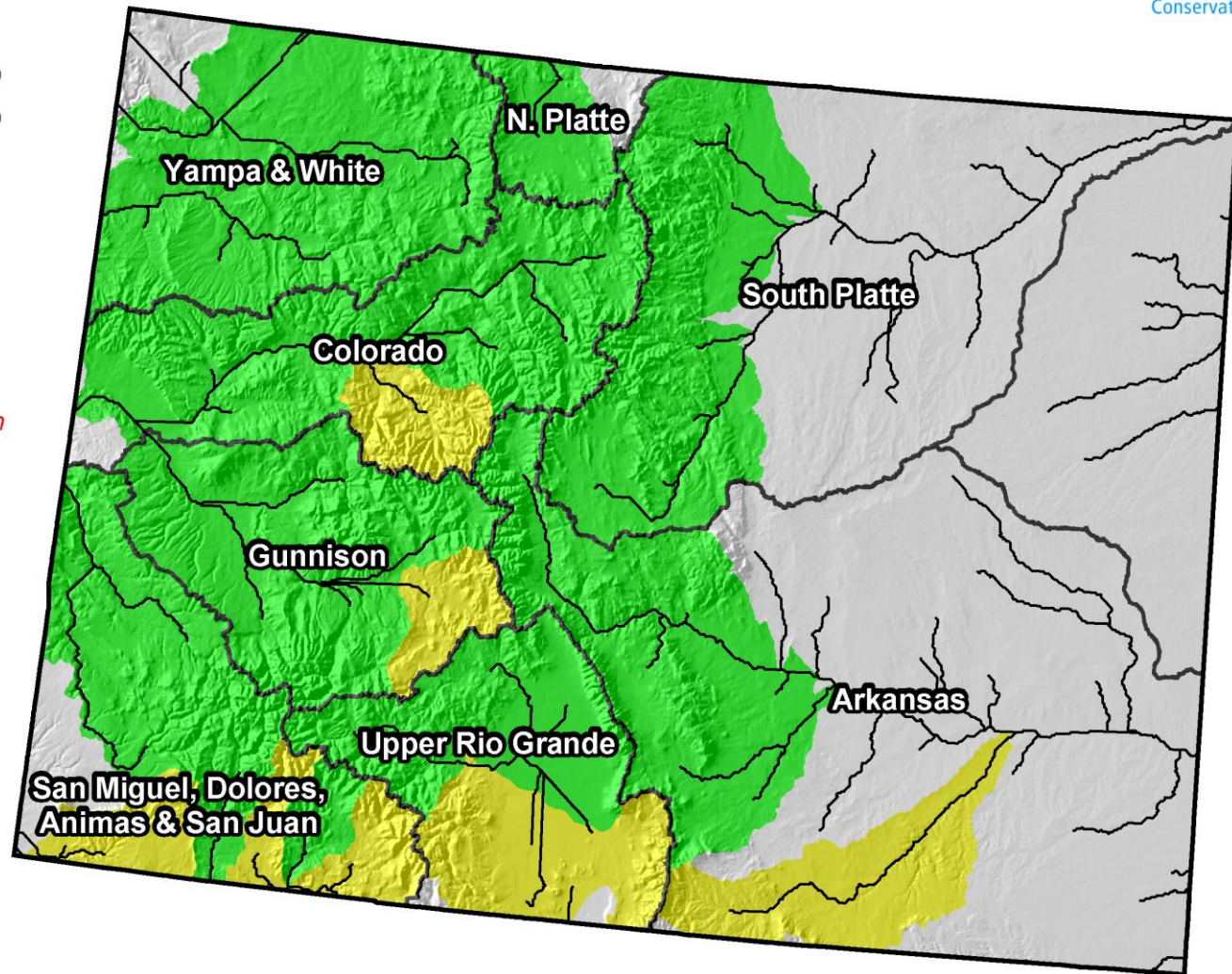
End of January 2014

Colorado Streamflow Forecast Map

Percent of Median



*Provisional Data
Subject to Revision*



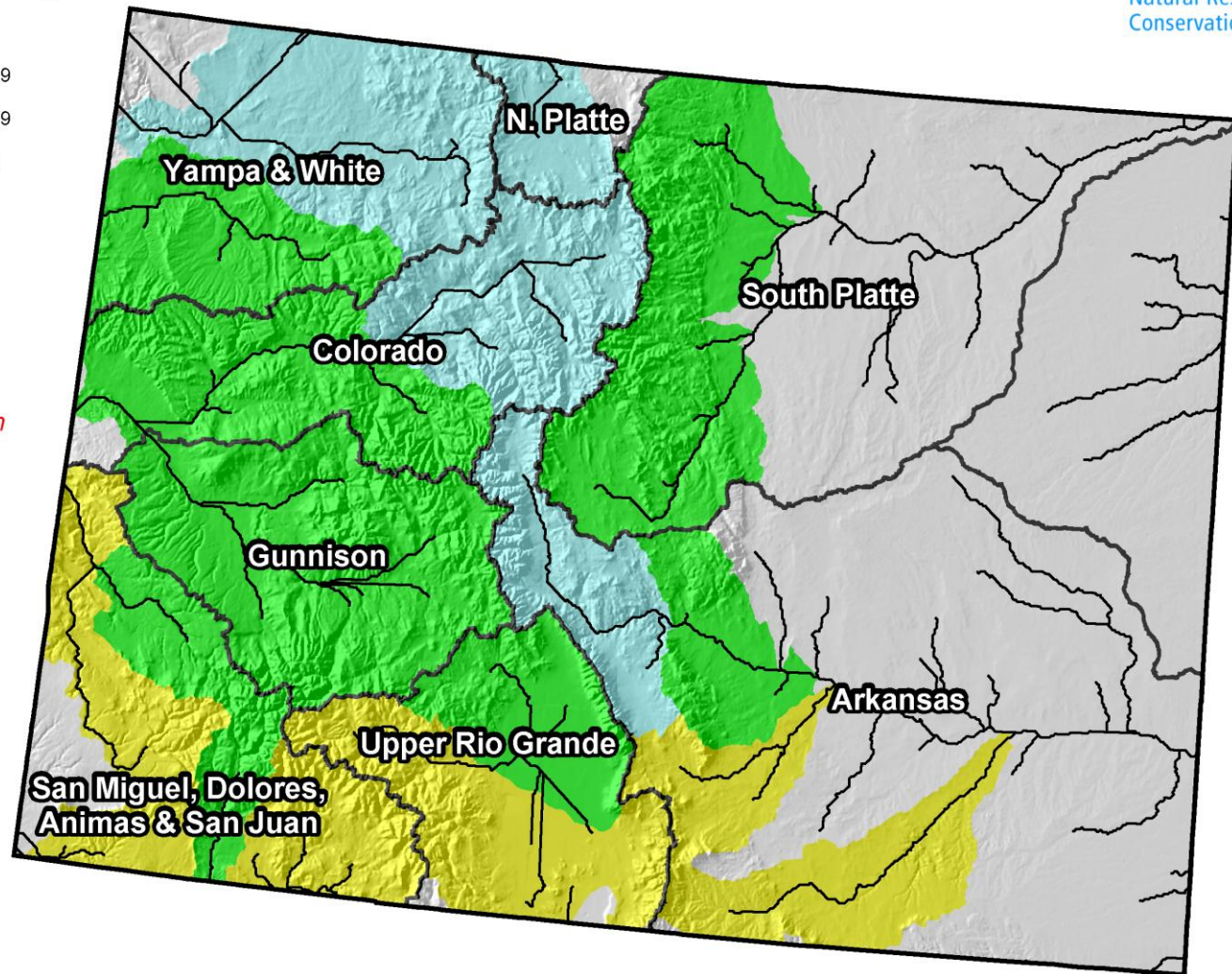
Current as of January 1, 2014

Colorado Streamflow Forecast Map

Percent of Average

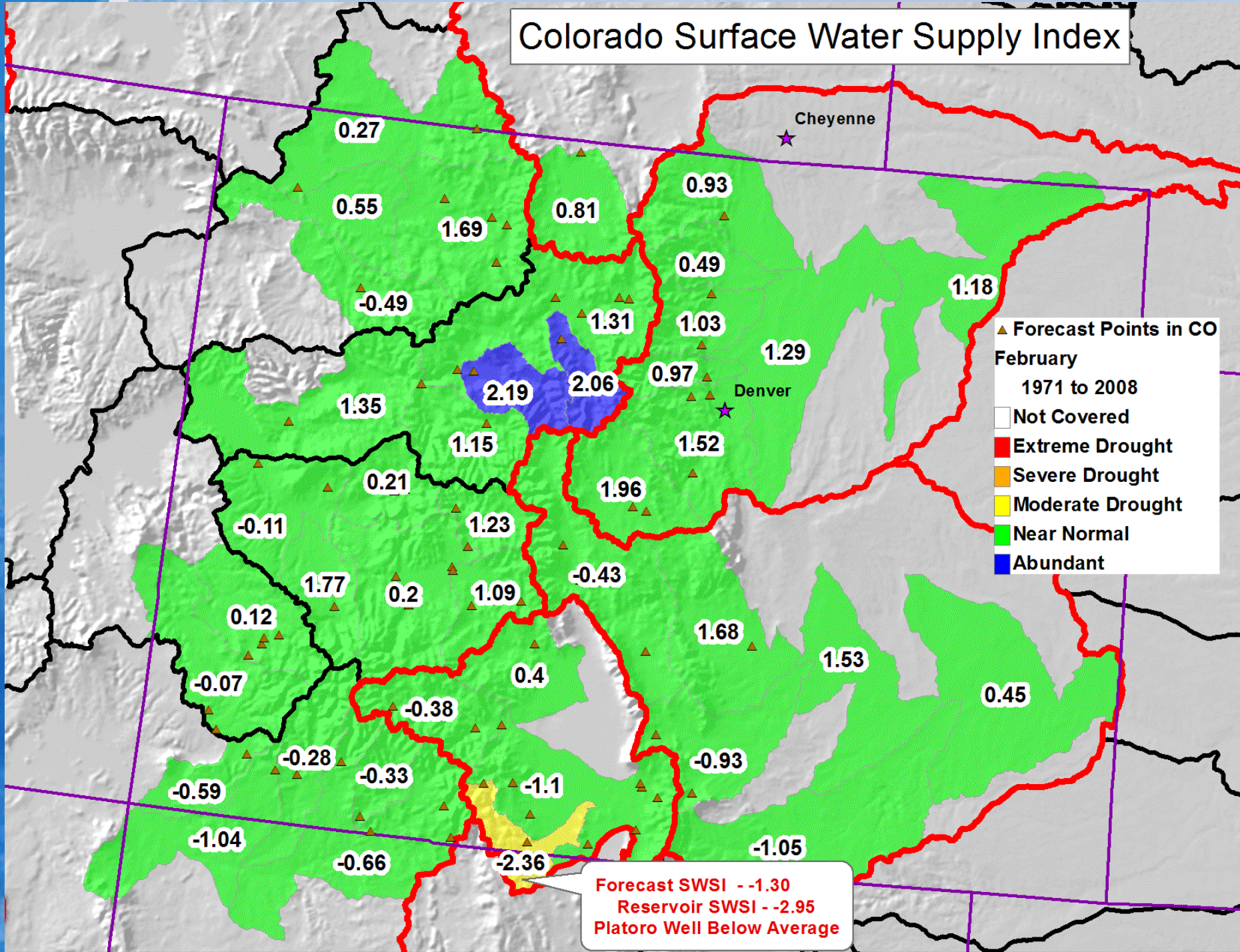


*Provisional Data
Subject to Revision*



Current as of February 1, 2014

Colorado Surface Water Supply Index



WY2014 Summary

- OCT:** The northern basins had well above average precipitation for the 2nd consecutive month. All basins received some good early season snow accumulation.
- NOV:** Basins flip flopped with the southern basins seeing above average precip and northern basins slightly below average. All basins still accumulating snow.
- DEC:** Things dried up in the southwest part of the state in early December. Snowpack totals were above to near normal across the state.
- JAN:** The northern basins continued to accumulate snow at near normal rates the first couple of weeks. Most of the state was pretty dry the latter half of the month until the very last week. Those storms boosted northern basins back to above normal and helped the southern basins as well.
- FEB:** All basins have above normal precipitation so far this month. The URG basin the only area not benefiting from the most recent storms.