

NRCS – Snow Survey & Water Supply Forecasting

Water Availability Task Force Meeting March 20th , 2014

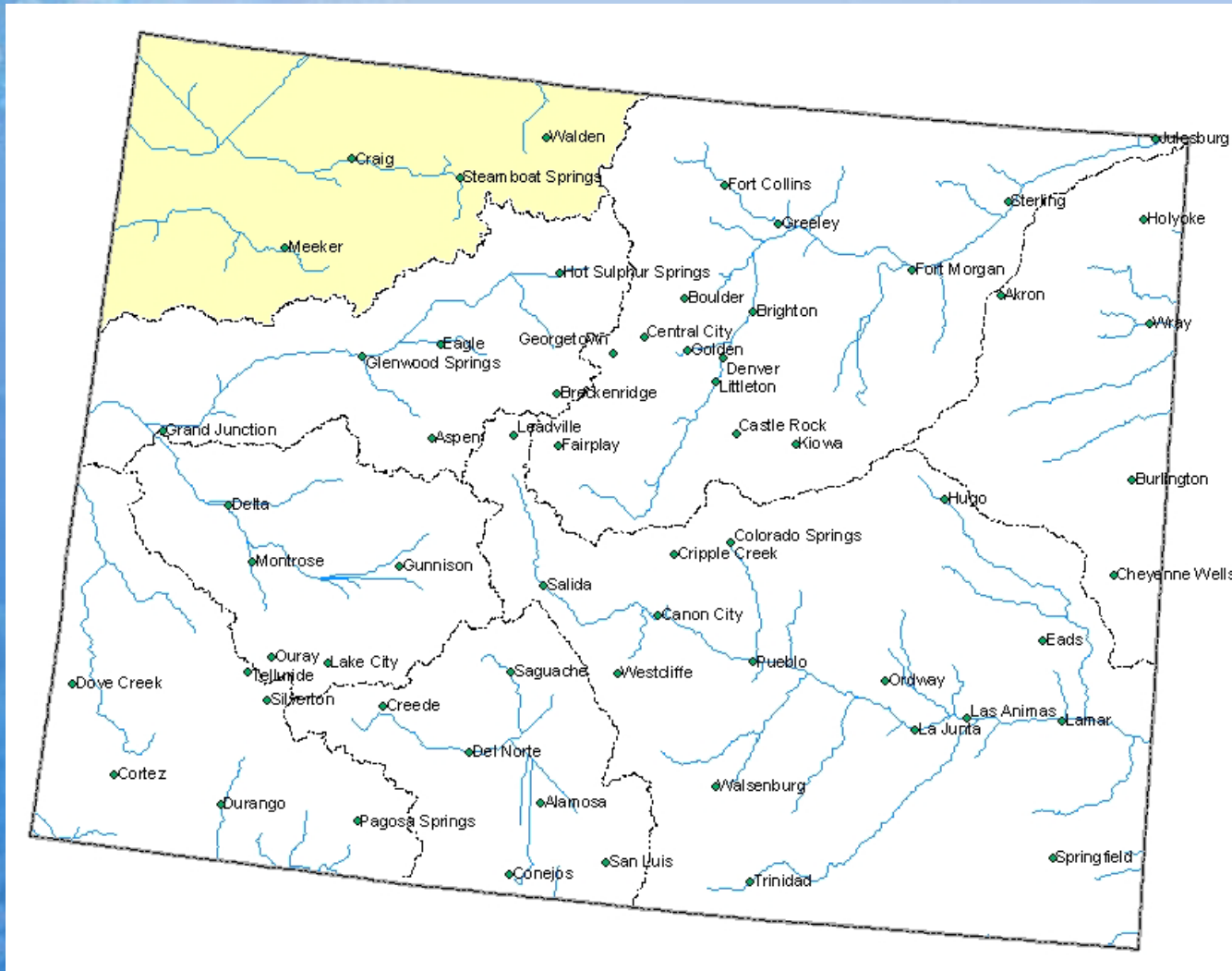
Mage Hultstrand

Assistant Snow Survey Supervisor

720-544-2855

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

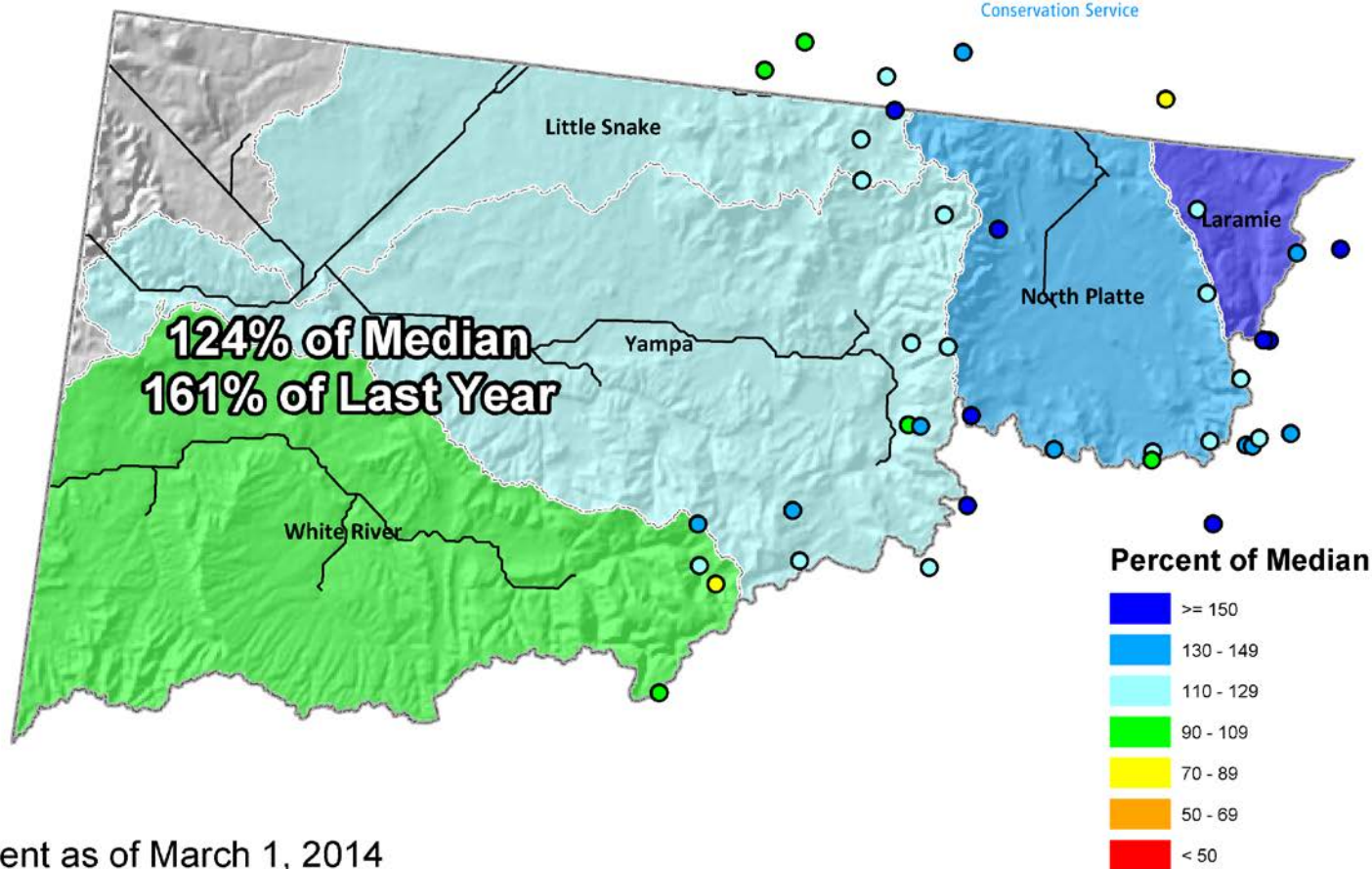
Yampa, White & North Platte River Basins Summary



Yampa, White and North Platte River Basins Snowpack Map



*Provisional Data
Subject to Revision*



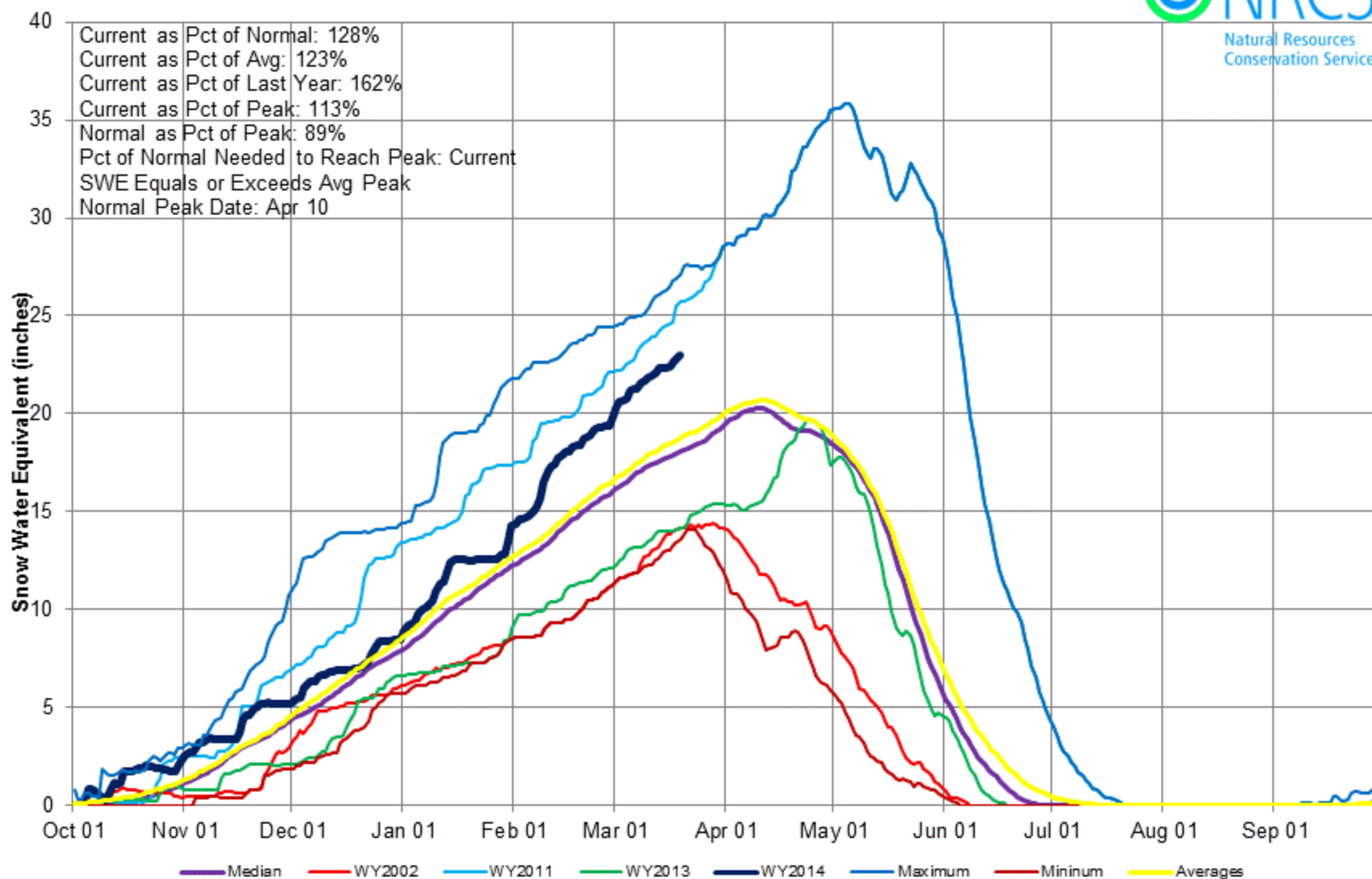
Current as of March 1, 2014

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

Based on Provisional SNOTEL data as of Mar 19, 2014

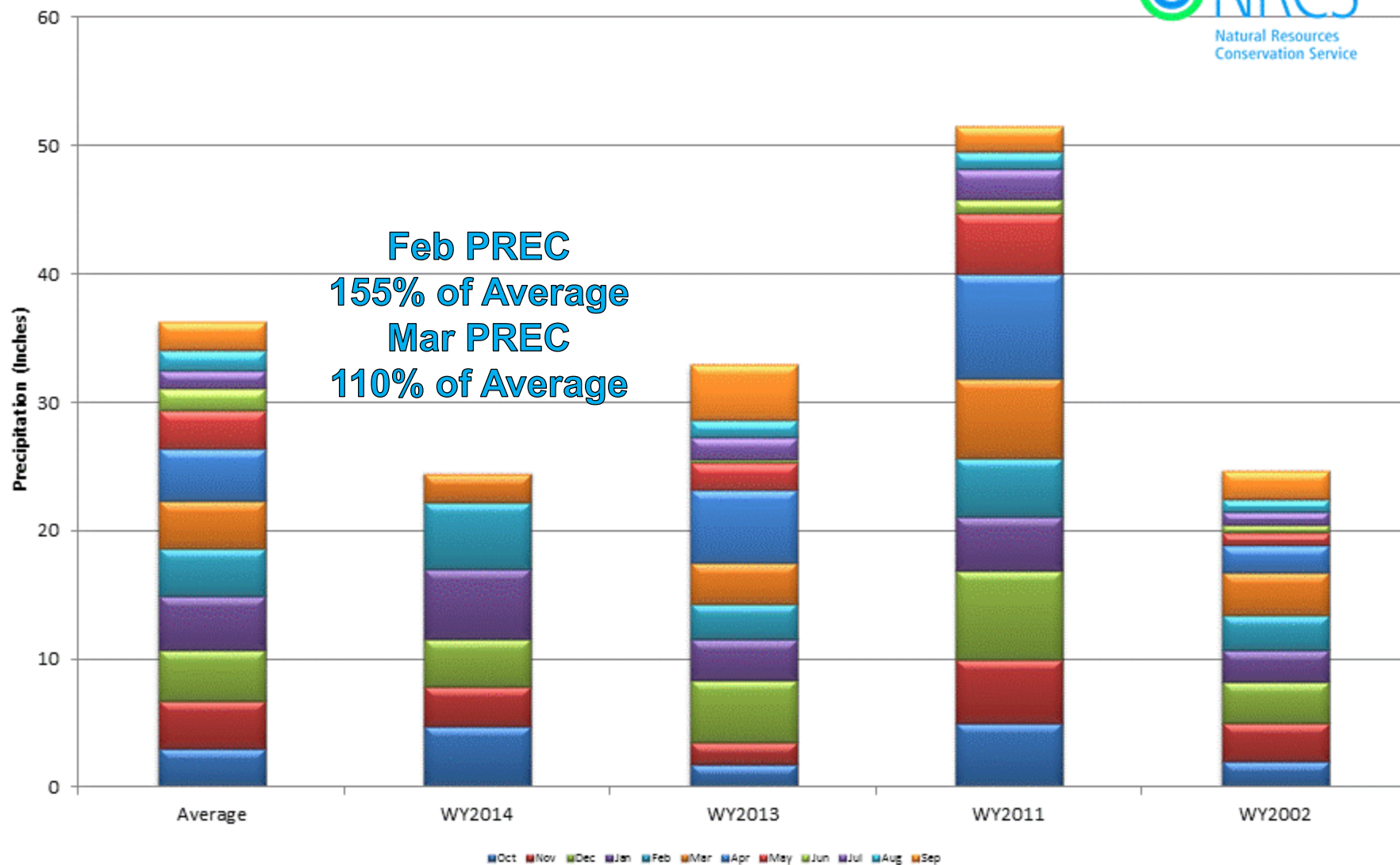


Natural Resources
Conservation Service



Yampa & White River Basins High/Low Monthly Precipitation Summary

Based on Provisional SNOTEL data as of Mar 19, 2014

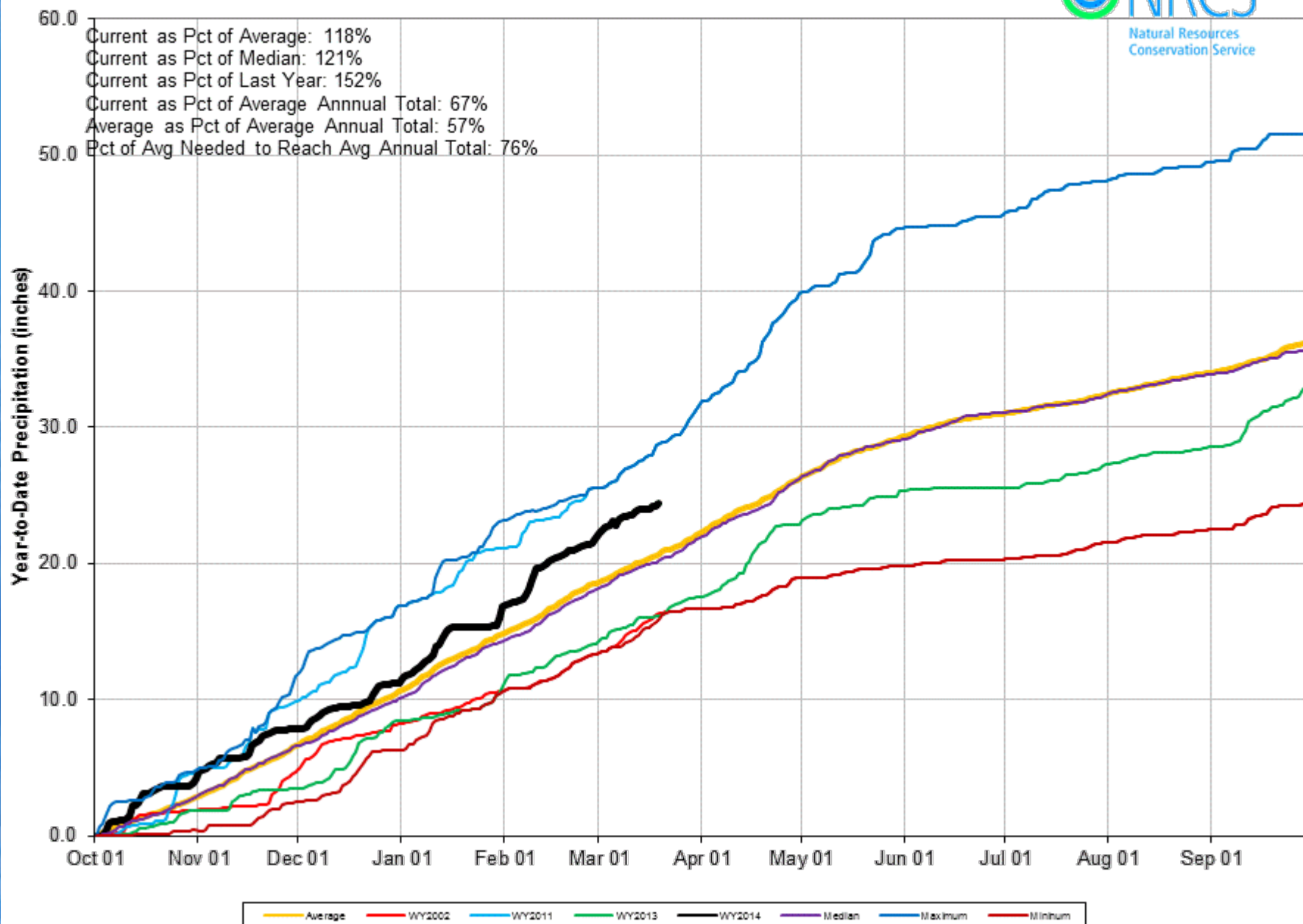


Yampa & White River Basins High/Low Year-to-Date Precipitation Summary

Based on Provisional SNOTEL data as of Mar 19, 2014



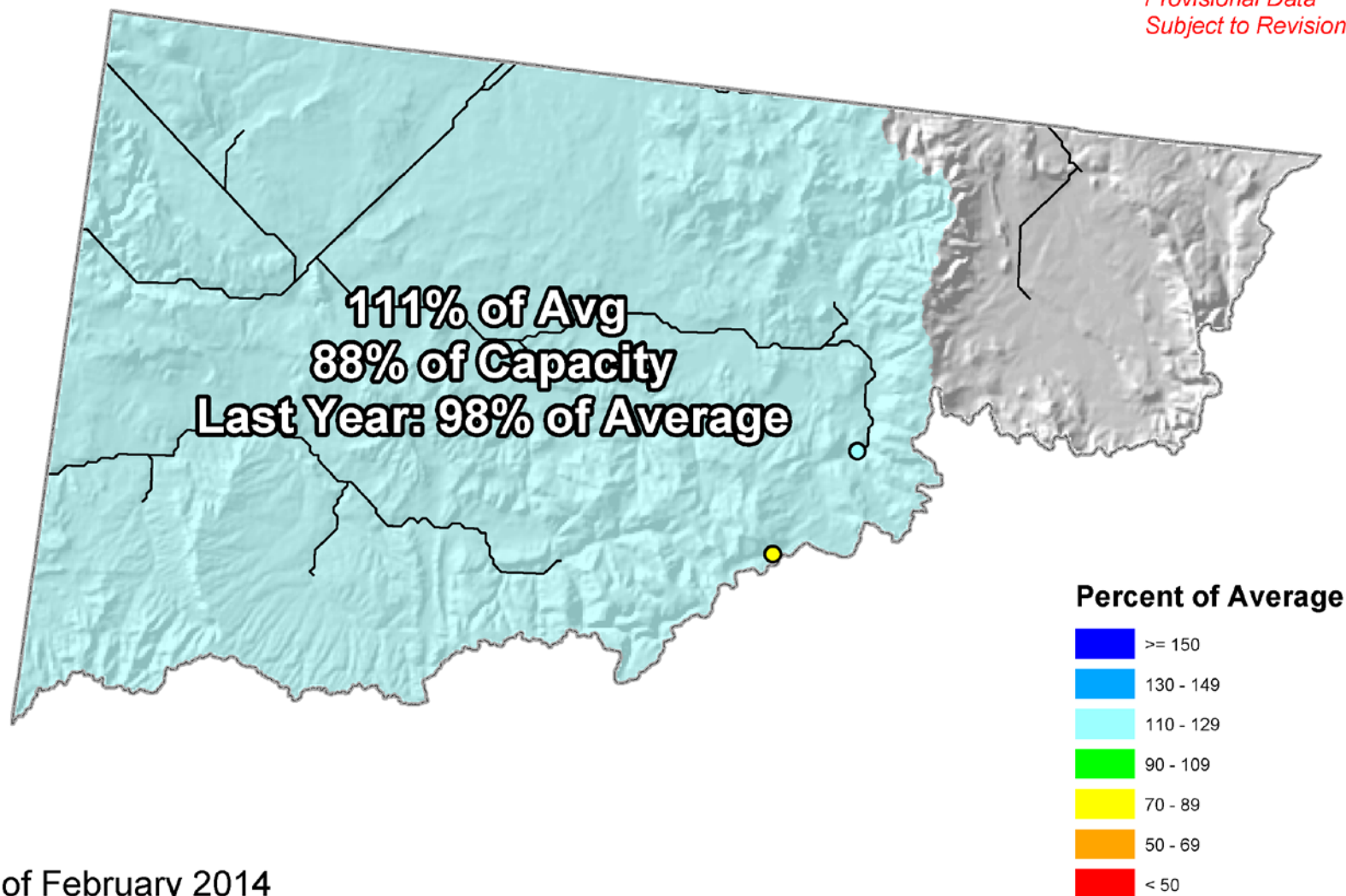
Natural Resources
Conservation Service



Yampa & White River Basins Reservoir Storage Map



*Provisional Data
Subject to Revision*

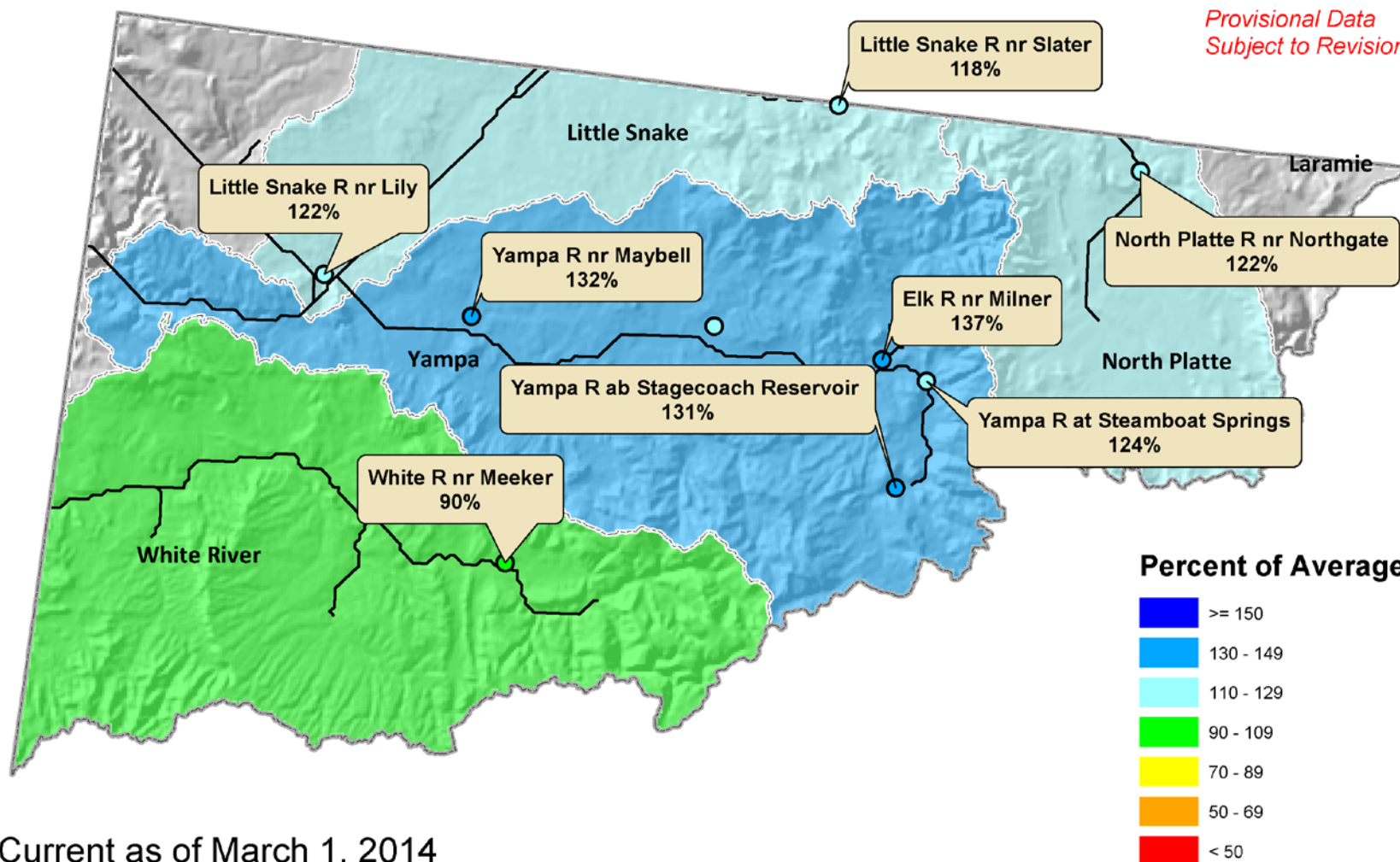


End of February 2014

Yampa, White and North Platte River Basins Streamflow Map

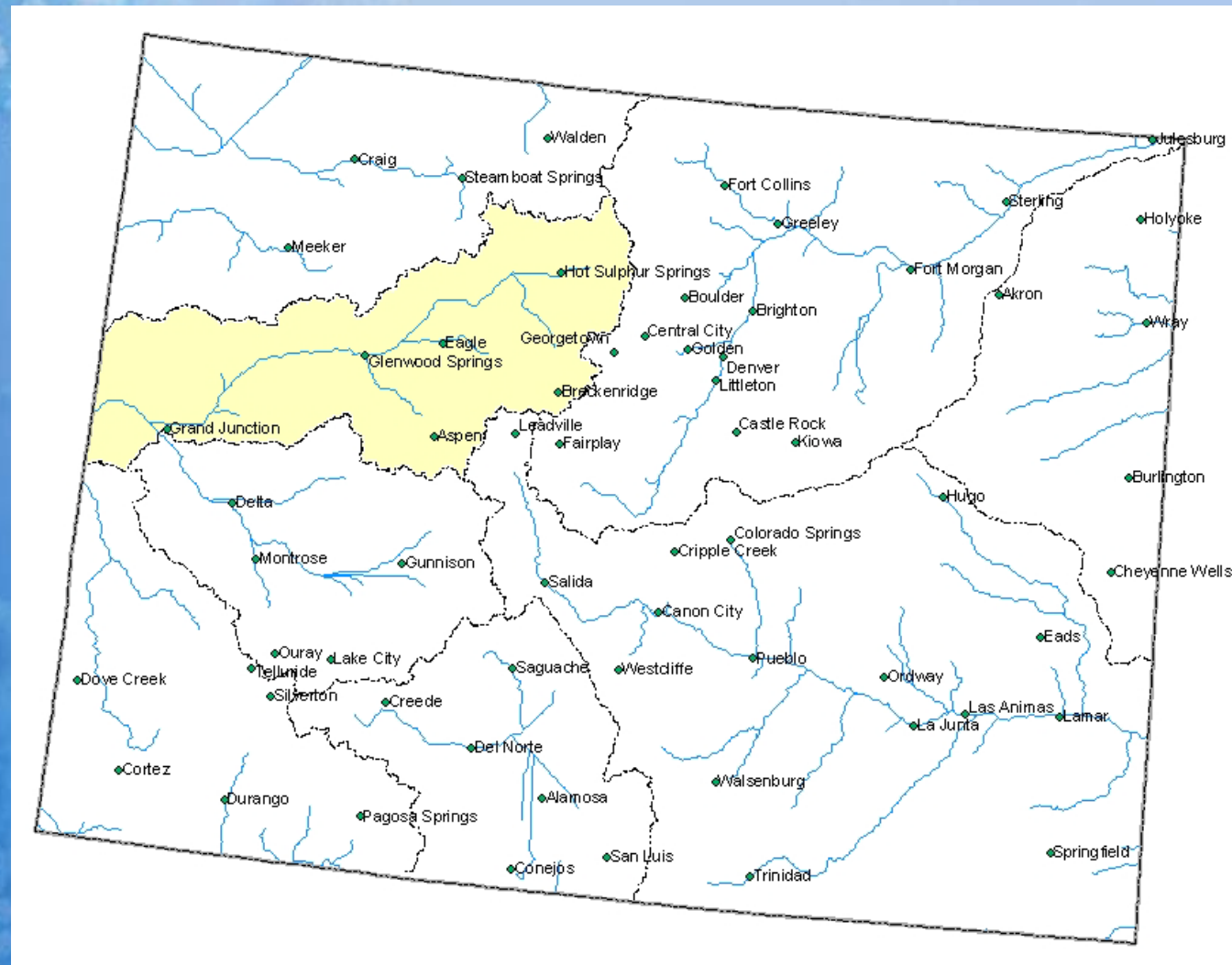


*Provisional Data
Subject to Revision*



Current as of March 1, 2014

Colorado River Basin Summary

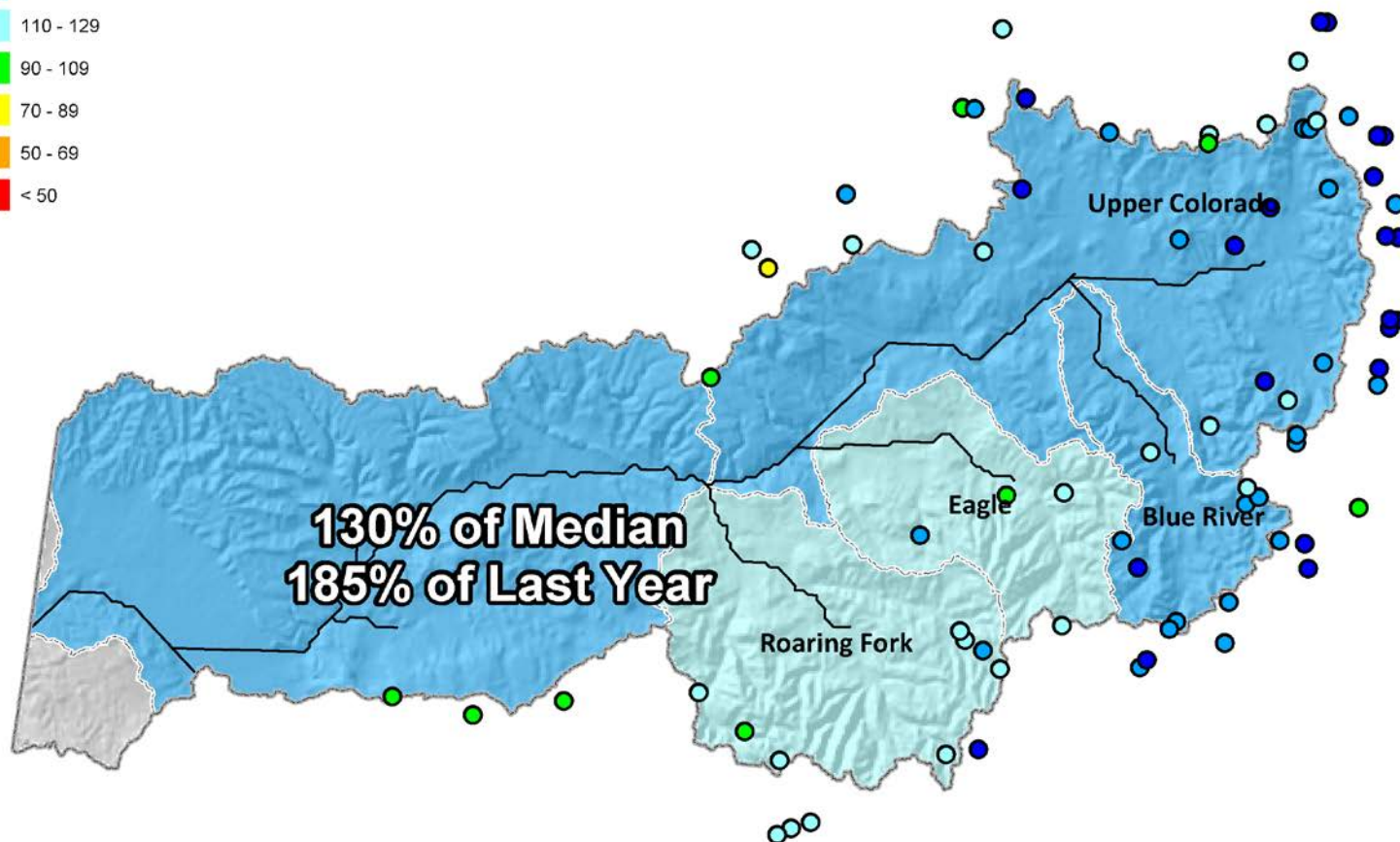


Colorado River Basin Snowpack Map



*Provisional Data
Subject to Revision*

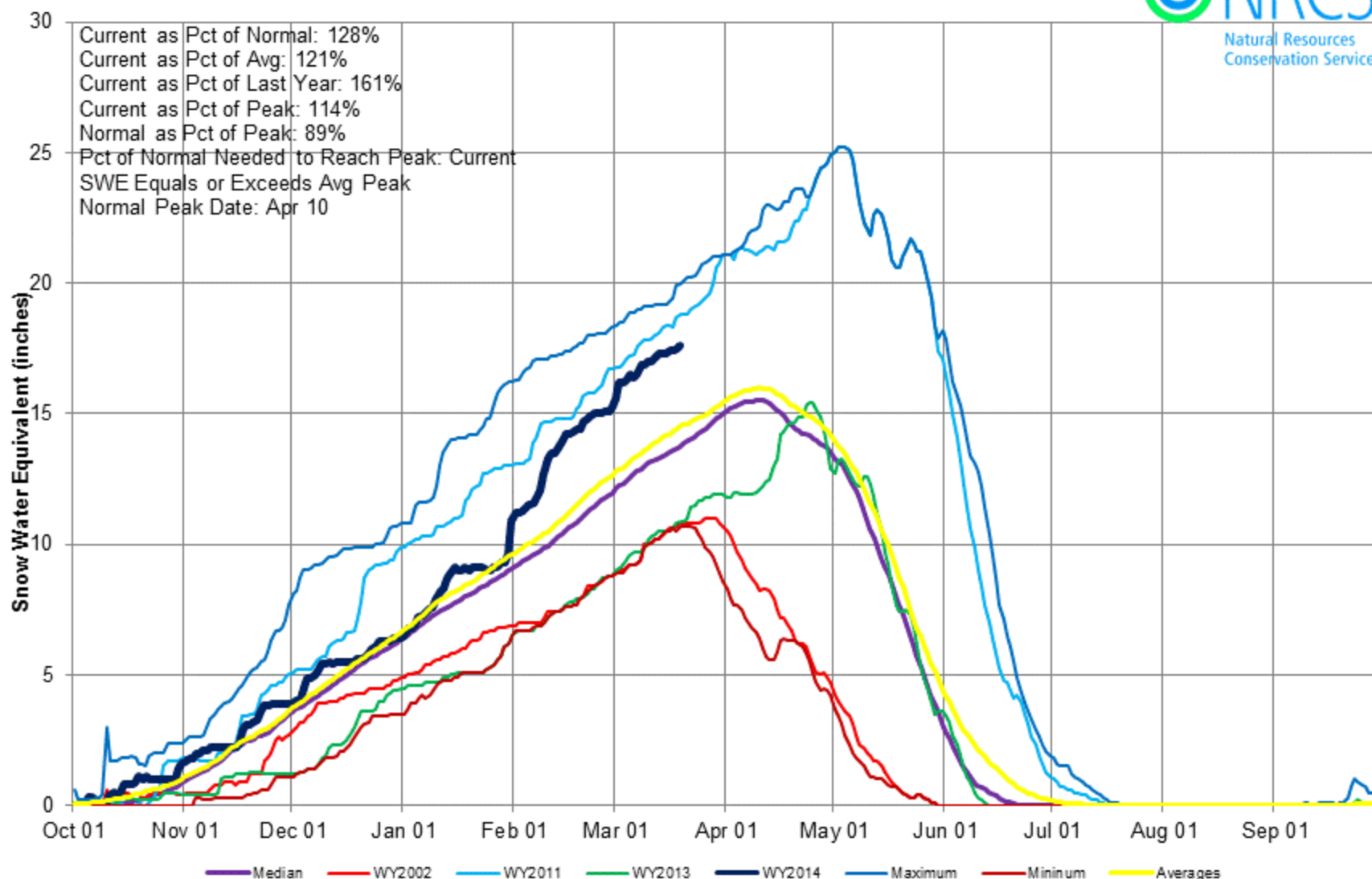
Percent of Median



Current as of March 1, 2014

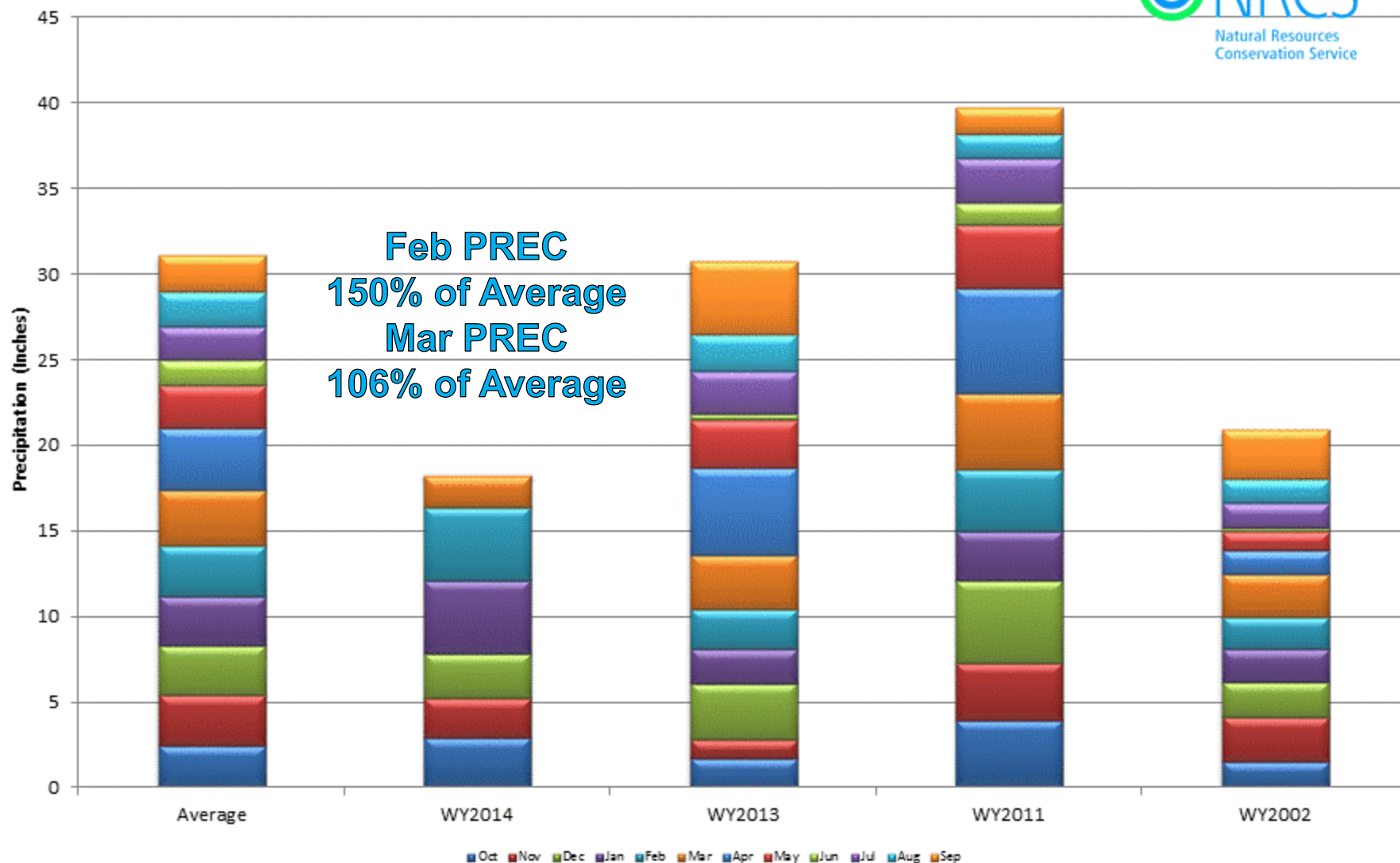
Upper Colorado River Basin High/Low Snowpack Summary

Based on Provisional SNOTEL data as of Mar 19, 2014



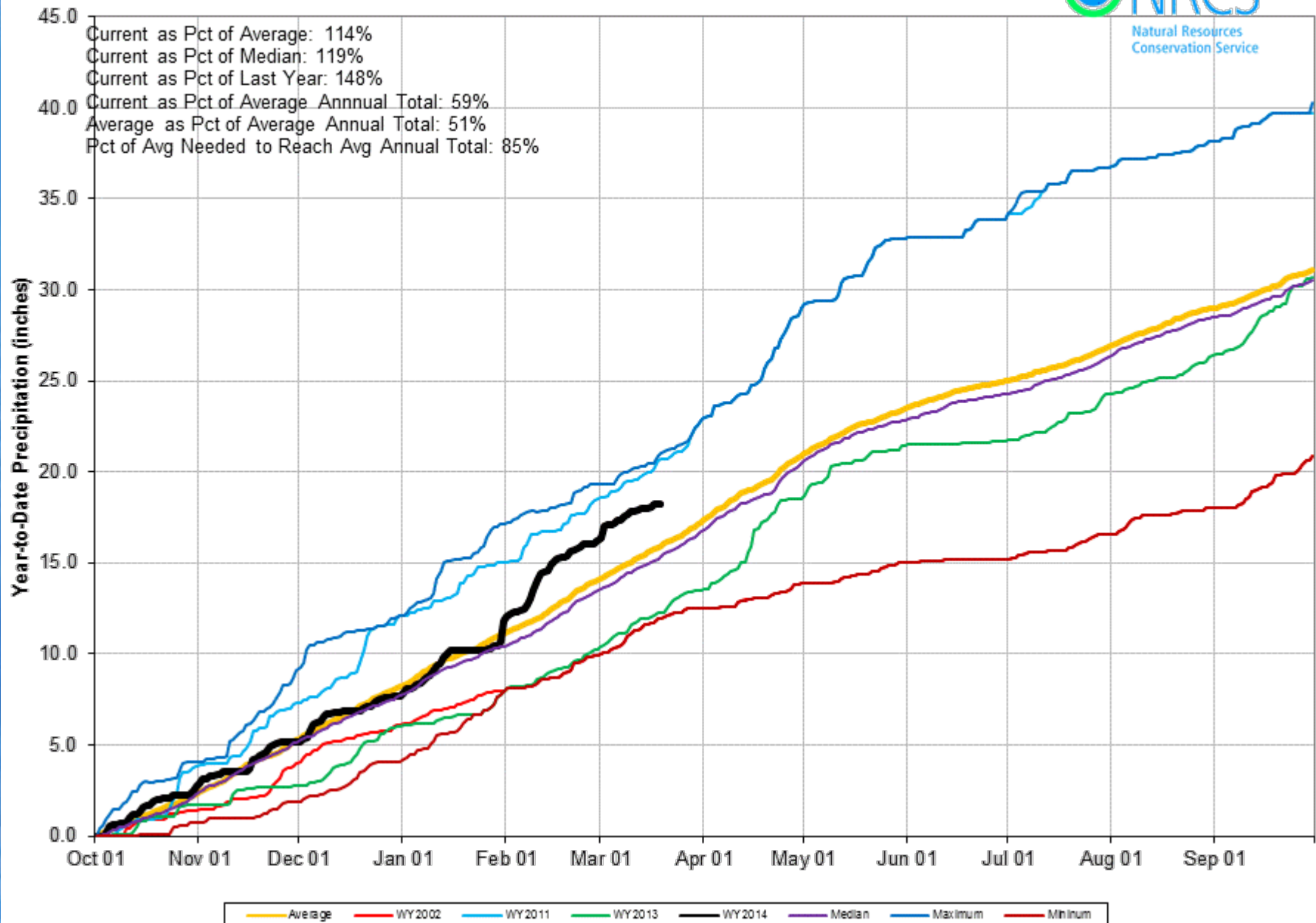
Upper Colorado River Basin High/Low Monthly Precipitation Summary

Based on Provisional SNOTEL data as of Mar 19, 2014



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

Based on Provisional SNOTEL data as of Mar 19, 2014



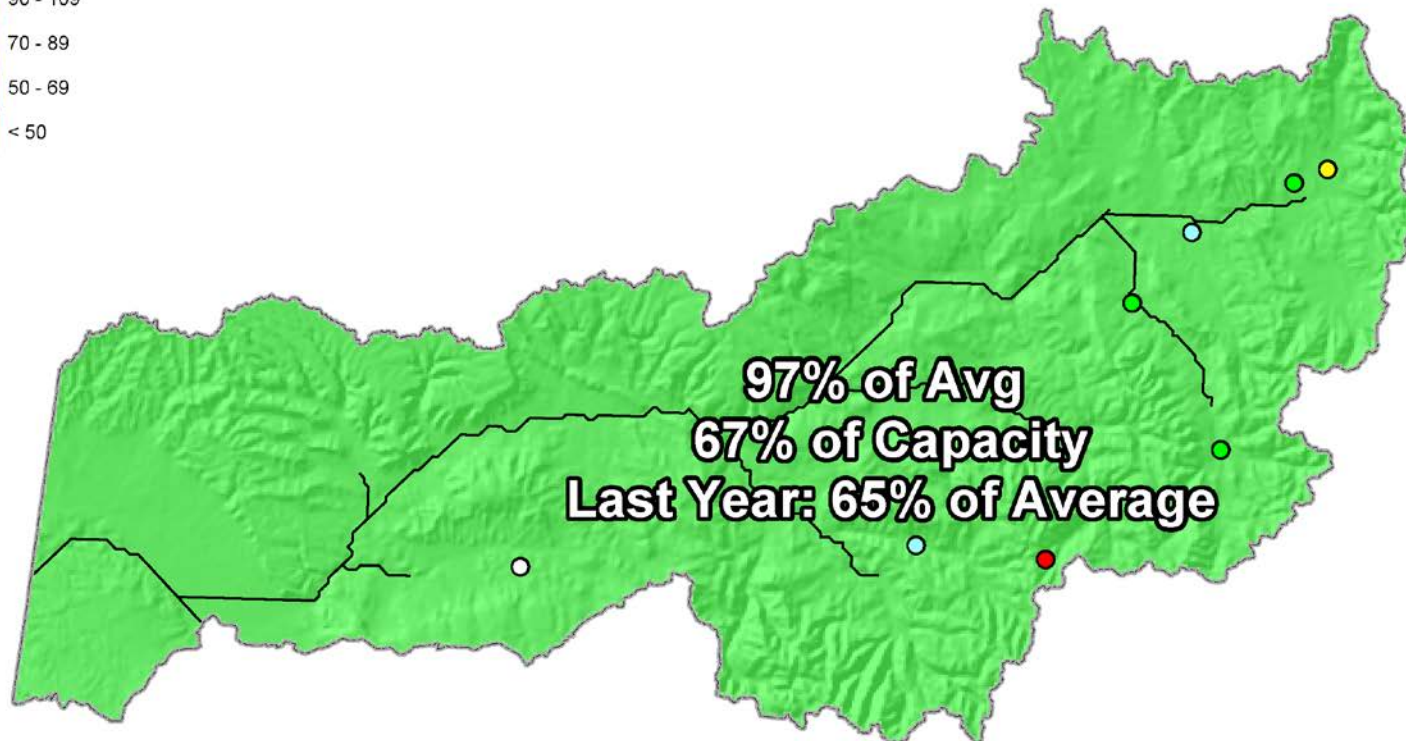
Colorado River Basin Reservoir Storage Map



Percent of Average



*Provisional Data
Subject to Revision*

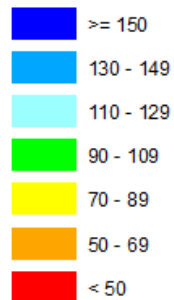


End of February 2014

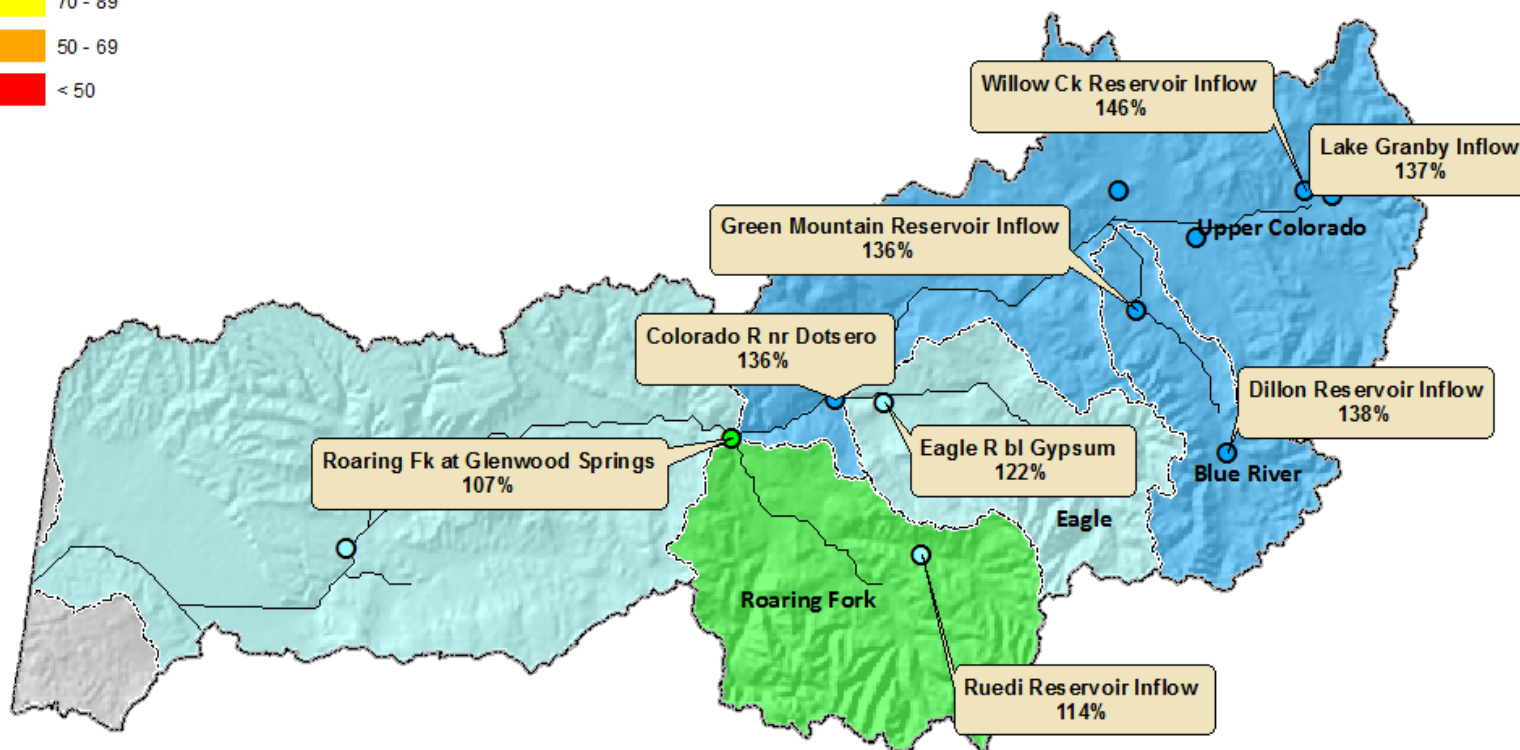
Colorado River Basin Streamflow Forecast Map



Percent of Average

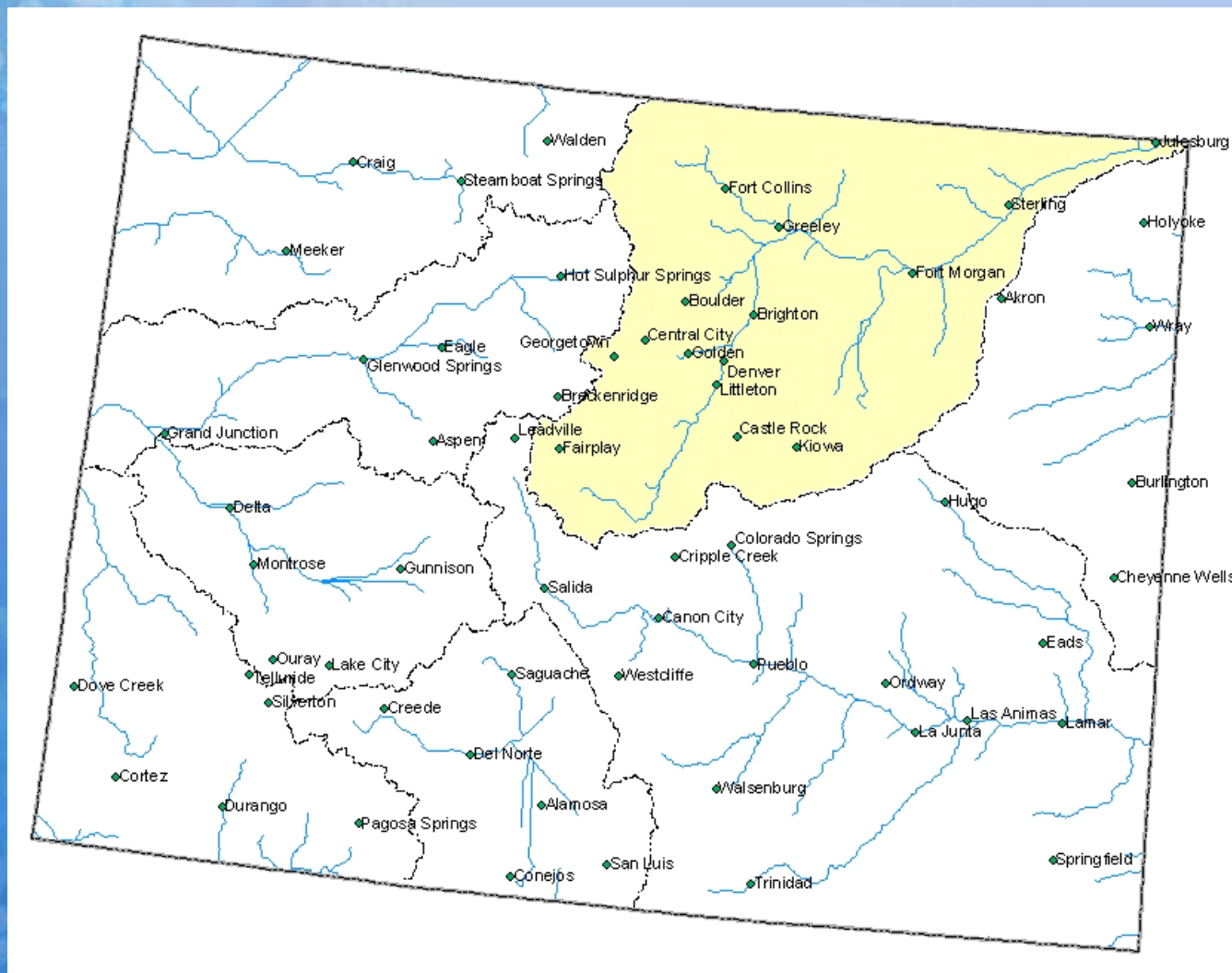


*Provisional Data
Subject to Revision*



Current as of March 1, 2014

South Platte River Basin Summary

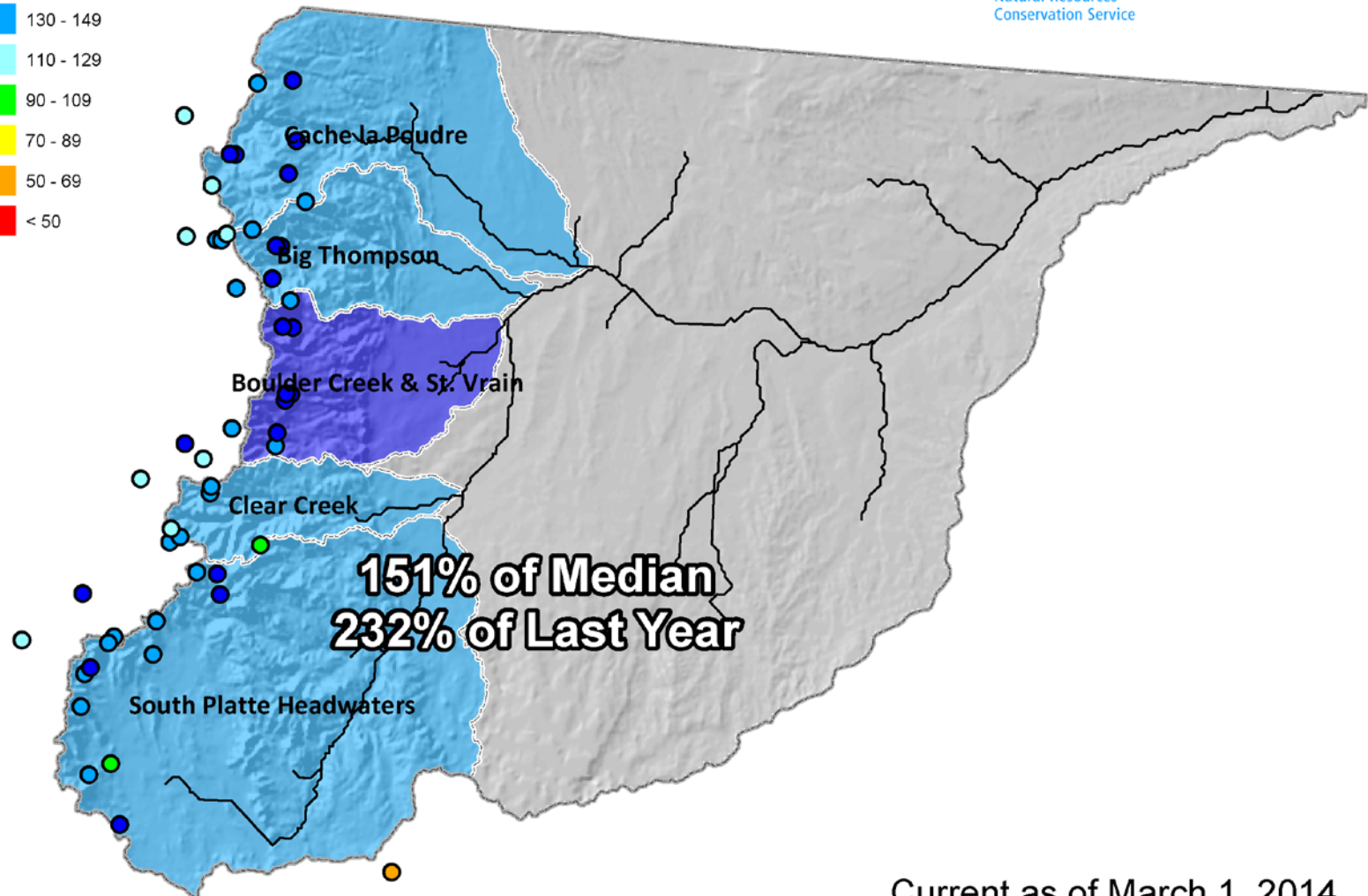


South Platte River Basin Snowpack Map

Percent of Median



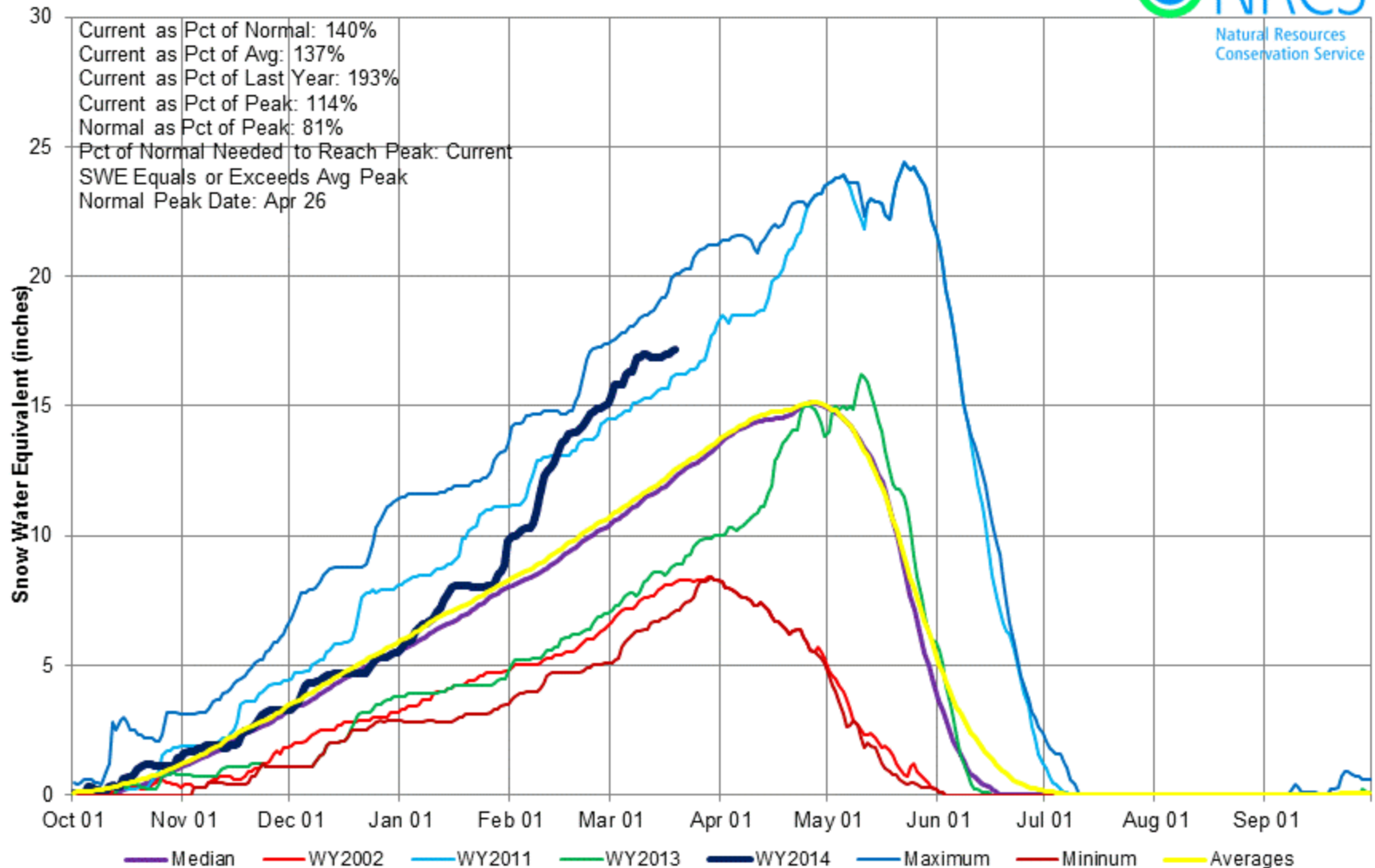
*Provisional Data
Subject to Revision*



Current as of March 1, 2014

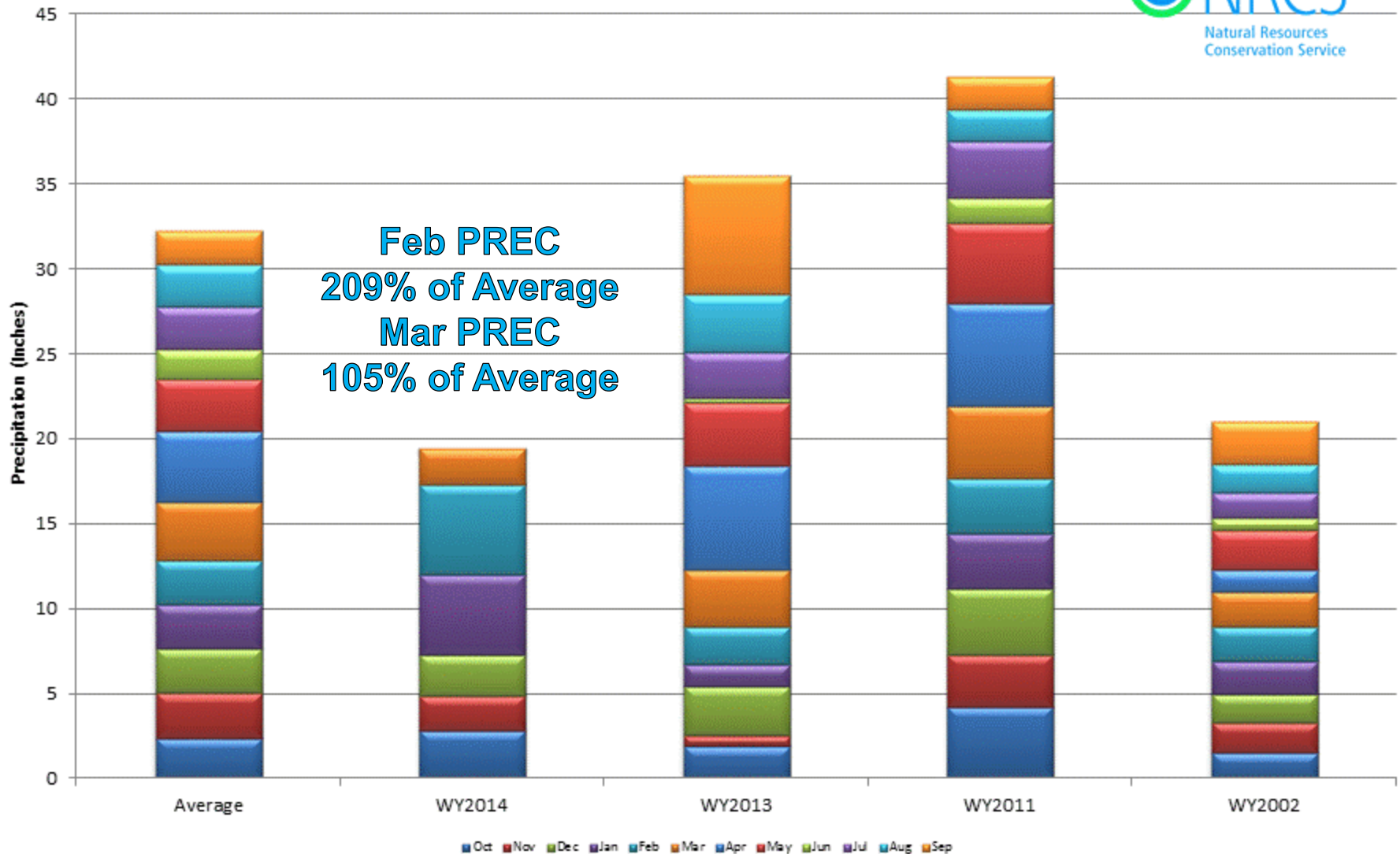
South Platte River Basin High/Low Snowpack Summary

Based on Provisional SNOTEL data as of Mar 19, 2014



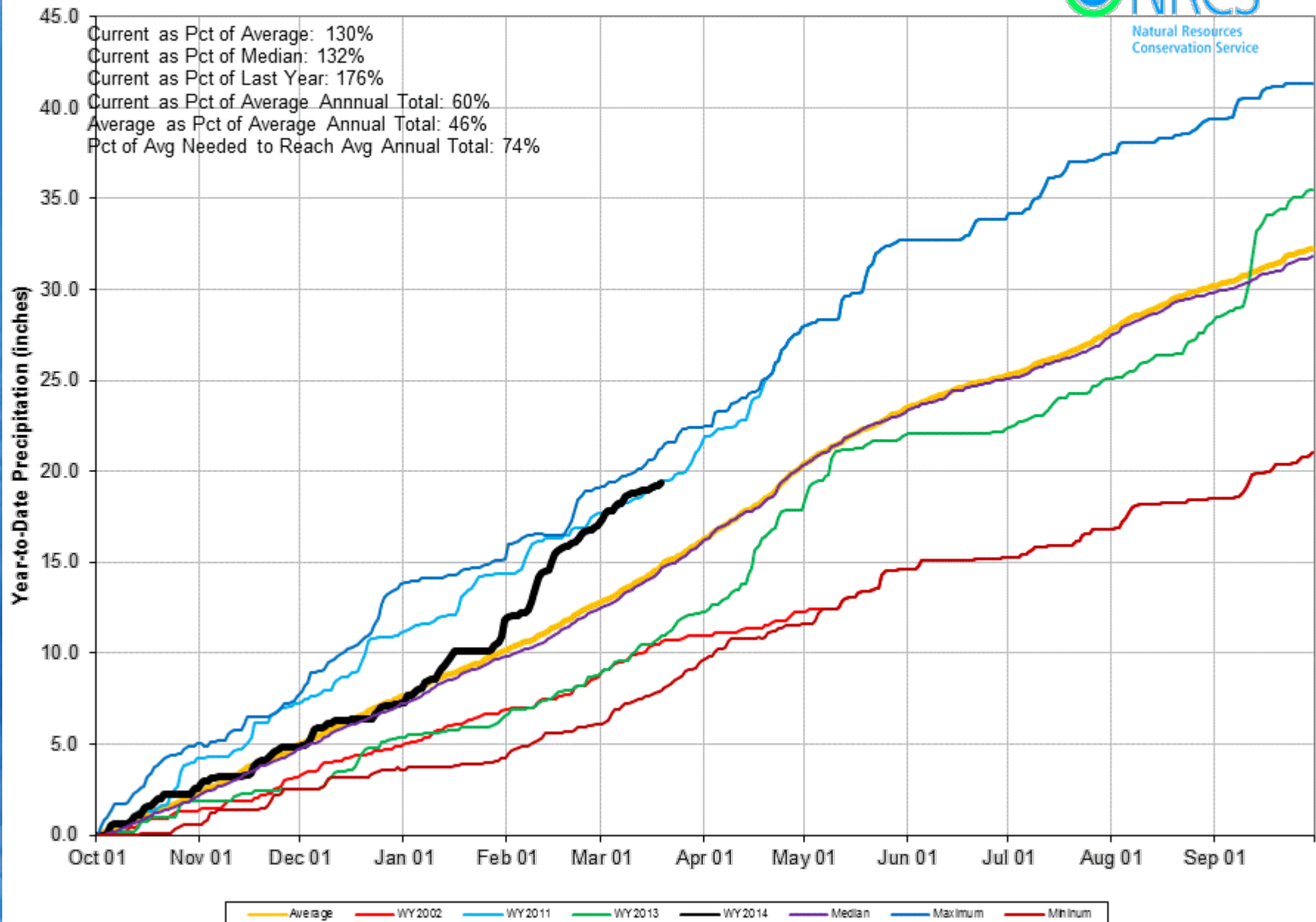
South Platte River Basin High/Low Monthly Precipitation Summary

Based on Provisional SNOTEL data as of Mar 19, 2014



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

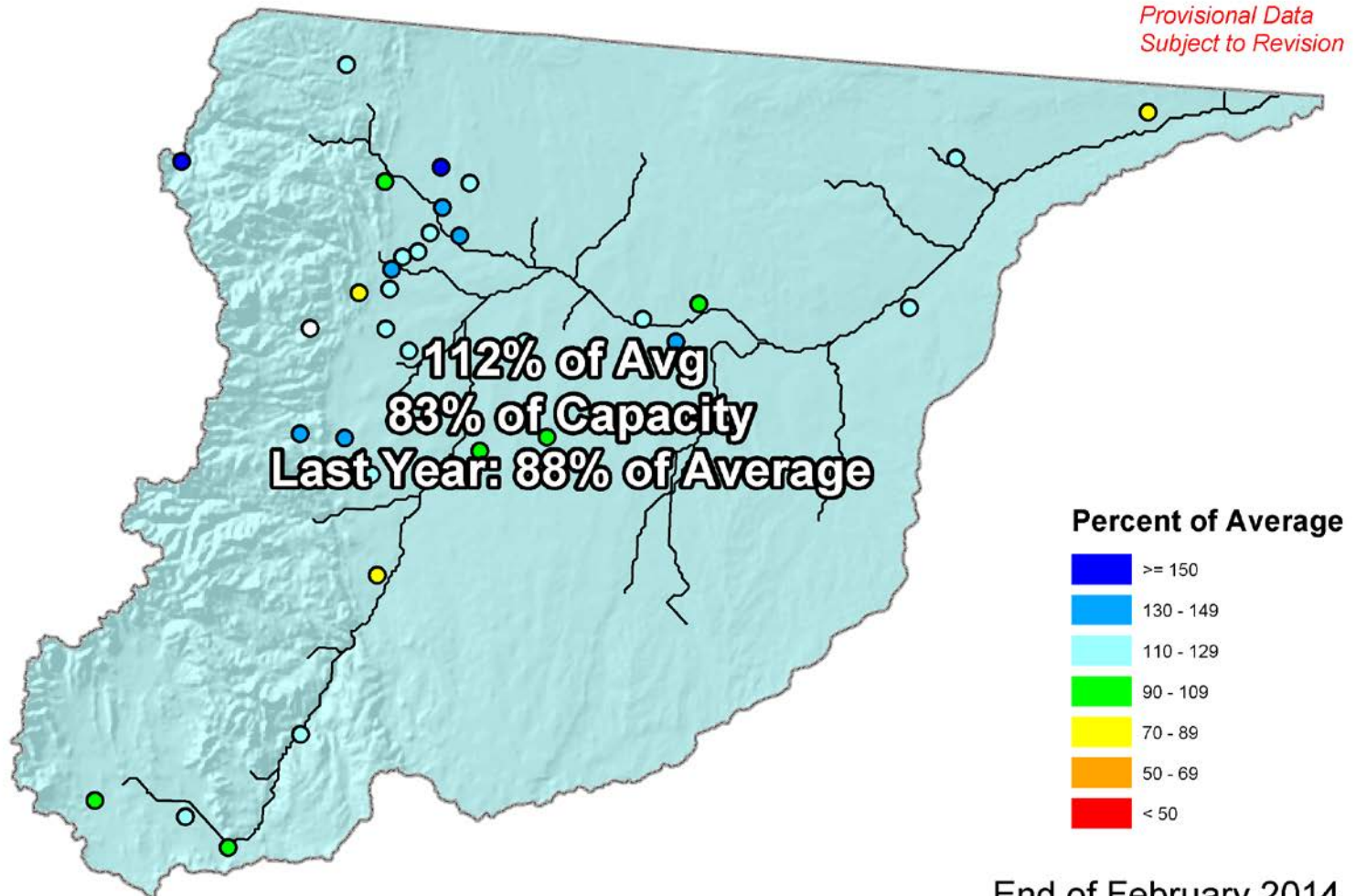
Based on Provisional SNOTEL data as of Mar 19, 2014



South Platte River Basin Reservoir Storage Map



*Provisional Data
Subject to Revision*

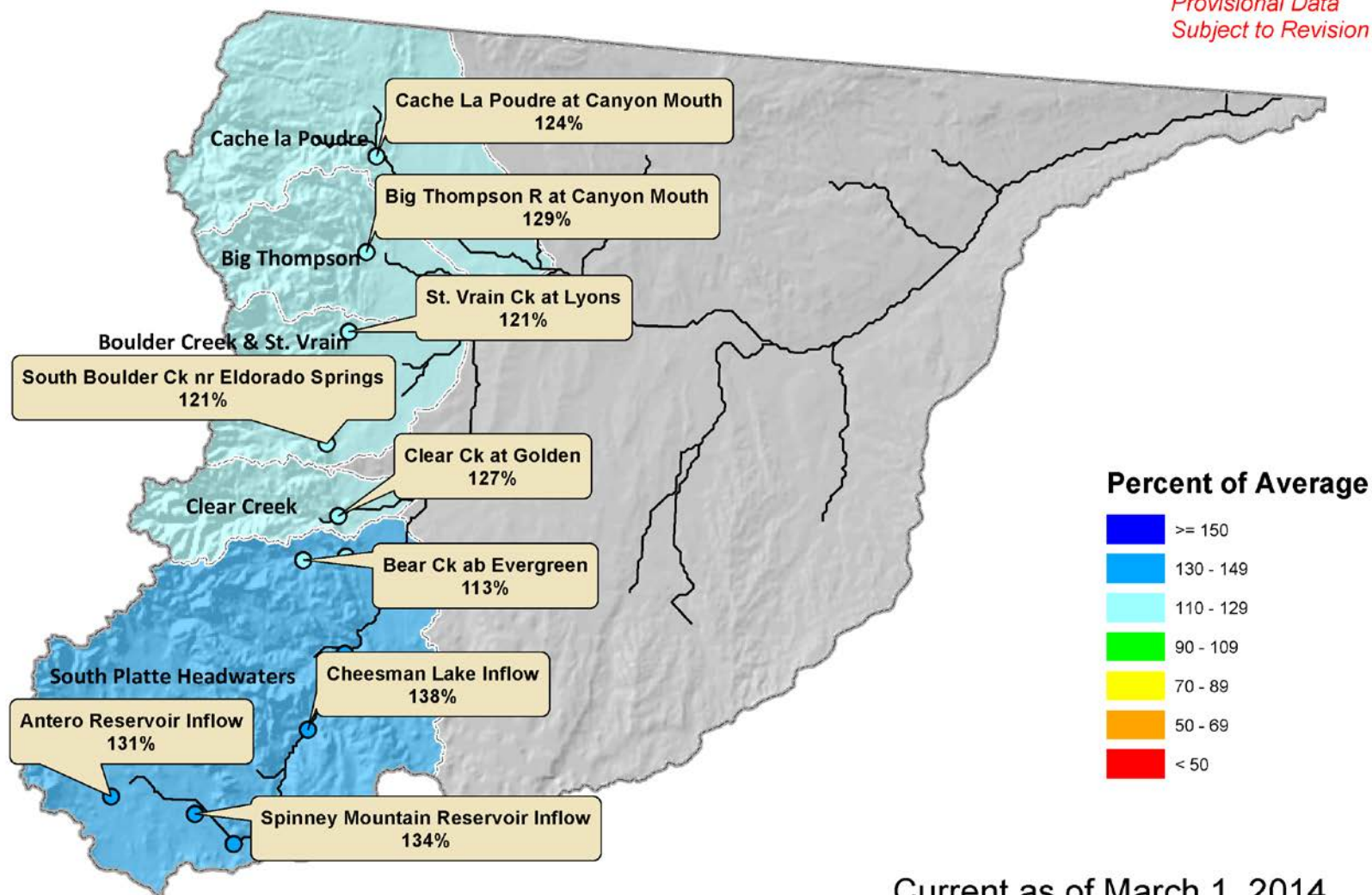


End of February 2014

South Platte River Basin Streamflow Forecast Map

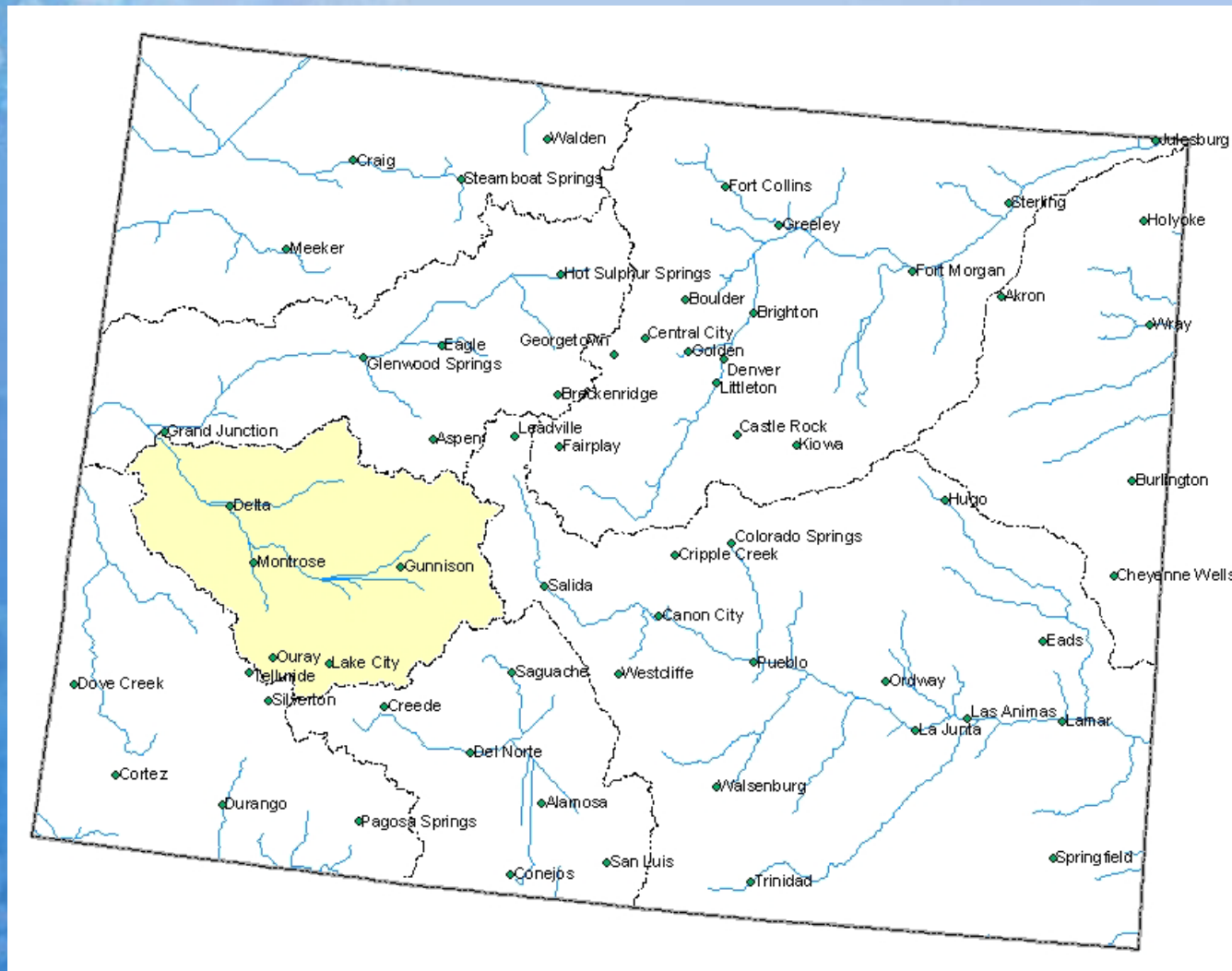


*Provisional Data
Subject to Revision*



Current as of March 1, 2014

Gunnison River Basin Summary

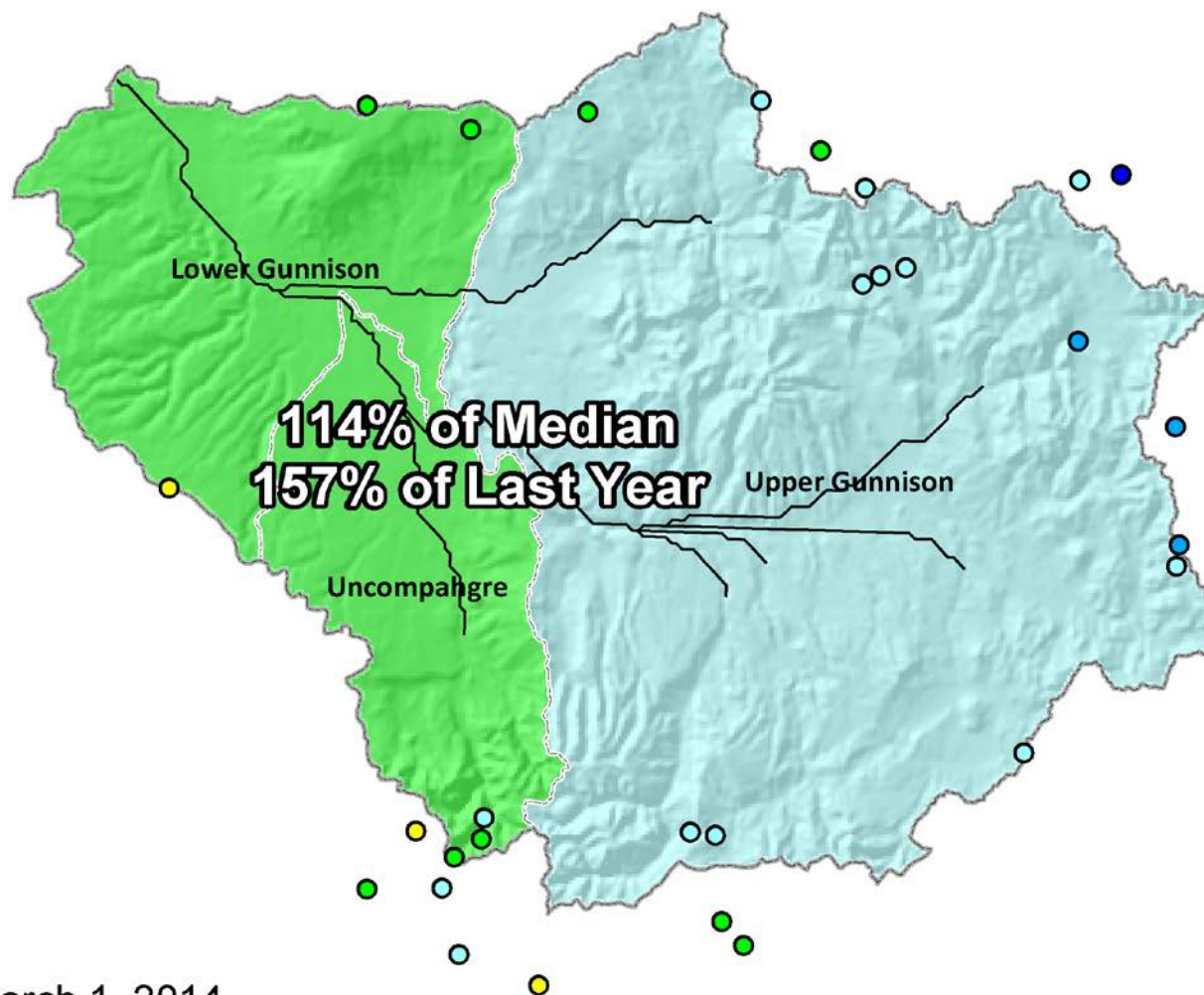


Gunnison River Basin Snowpack Map



*Provisional Data
Subject to Revision*

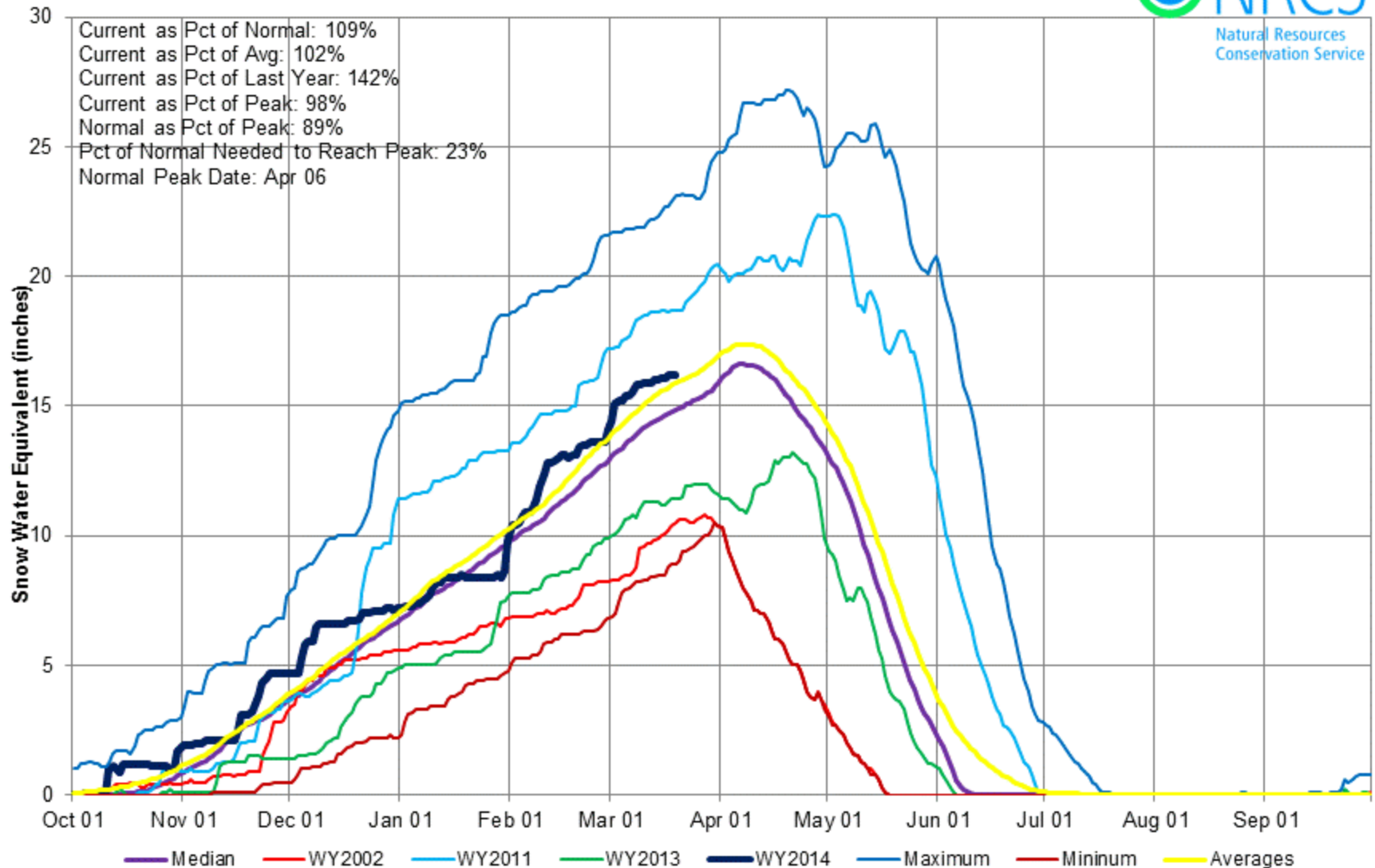
Percent of Median



Current as of March 1, 2014

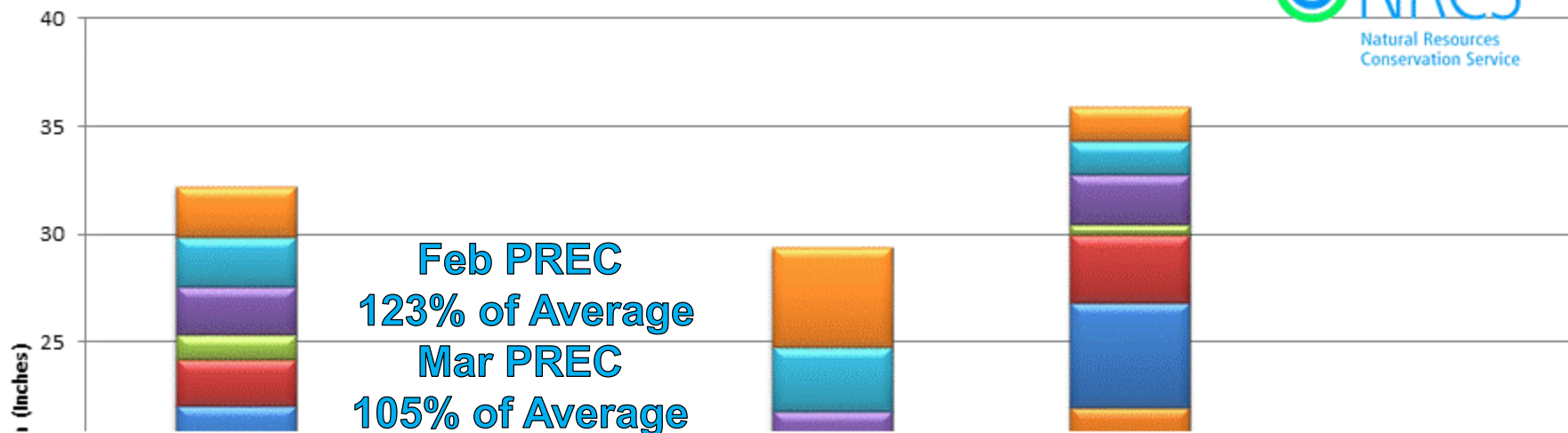
Gunnison River Basin High/Low Snowpack Summary

Based on Provisional SNOTEL data as of Mar 19, 2014



Gunnison River Basin High/Low Monthly Precipitation Summary

Based on Provisional SNOTEL data as of Mar 19, 2014

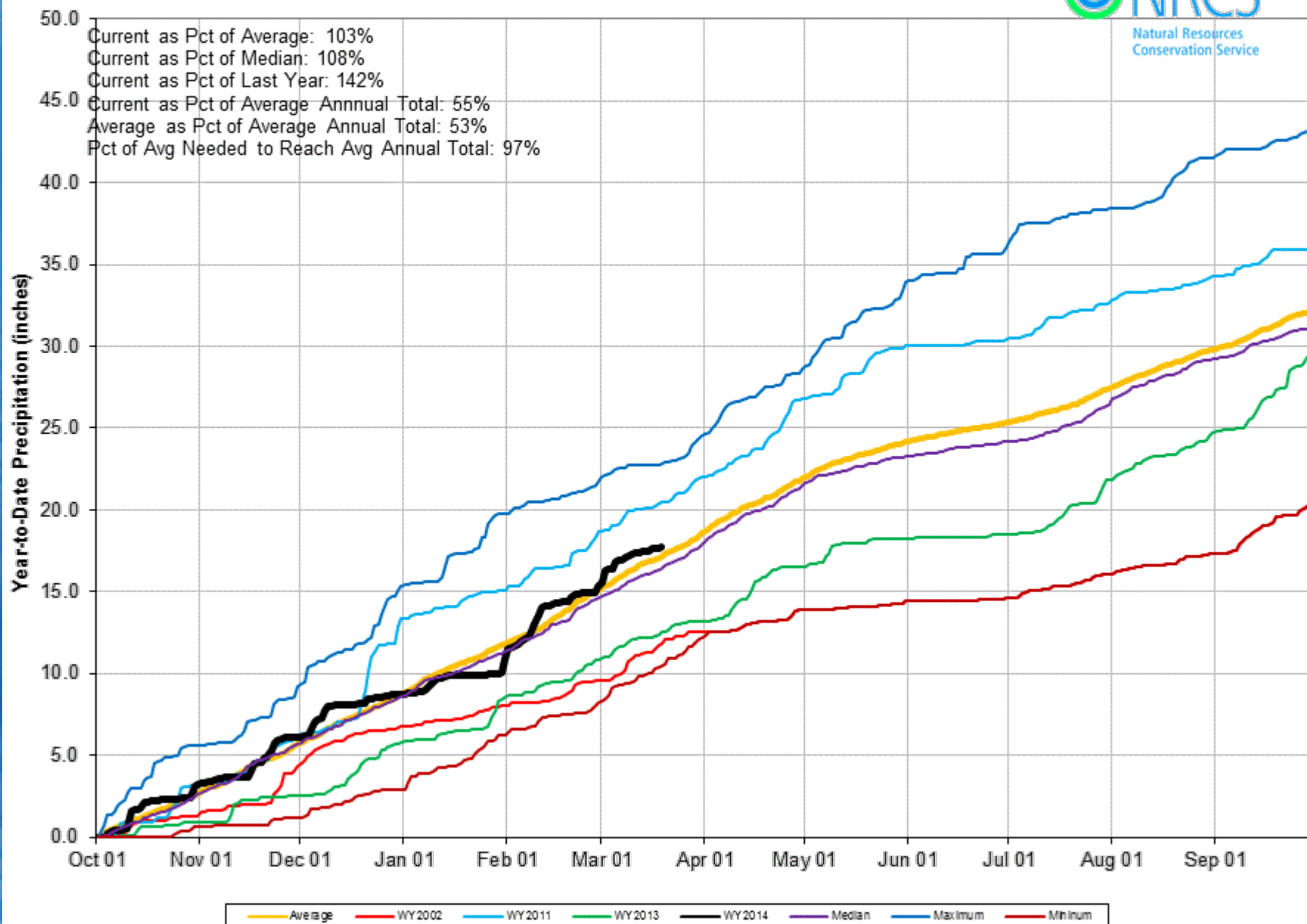


Gunnison River Basin High/Low Year-to-Date Precipitation Summary

Based on Provisional SNOTEL data as of Mar 19, 2014



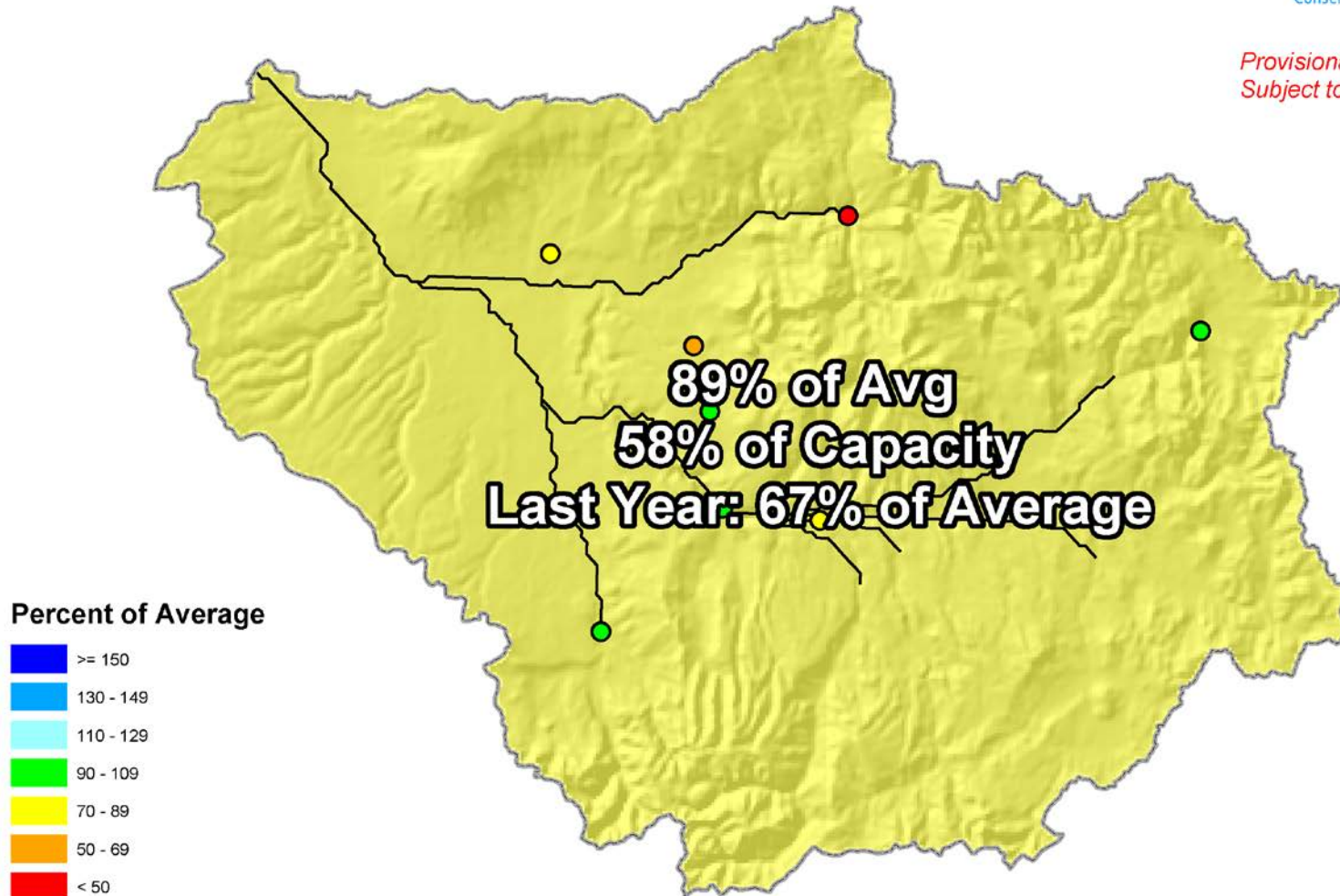
Natural Resources
Conservation Service



Gunnison River Basin Reservoir Storage Map



*Provisional Data
Subject to Revision*

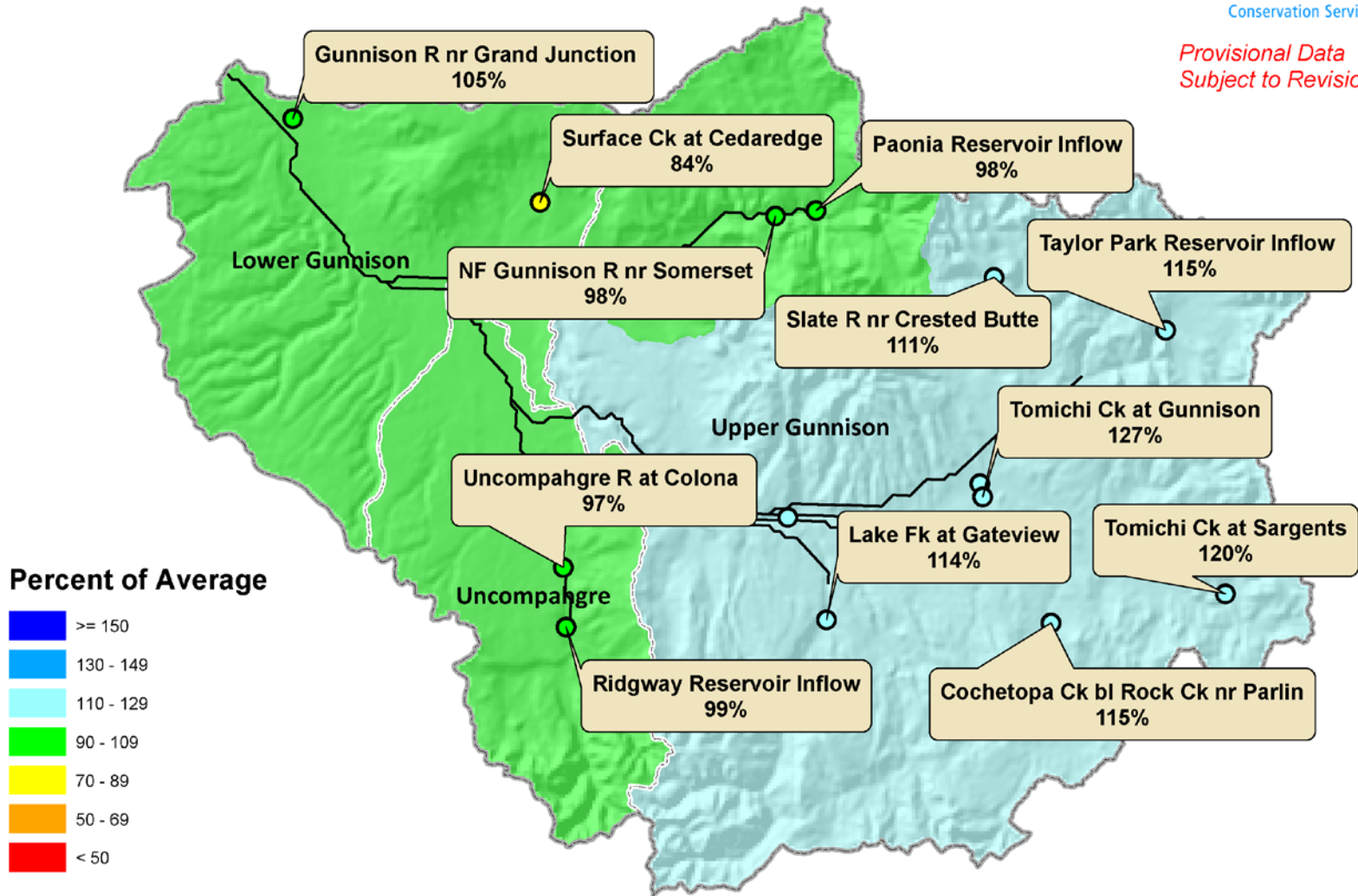


End of February 2014

Gunnison River Basin Streamflow Forecast Map

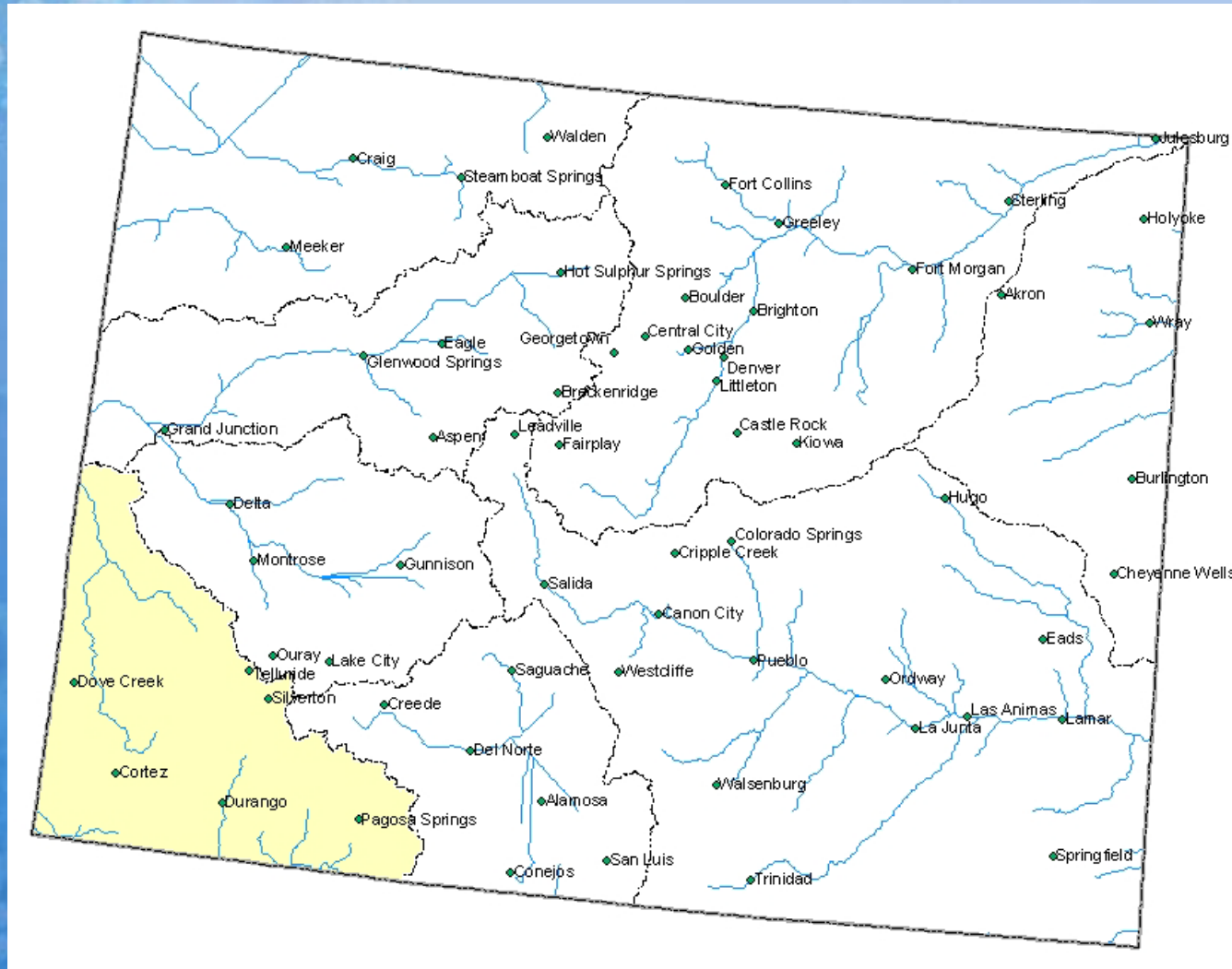


*Provisional Data
Subject to Revision*



Current as of March 1, 2014

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

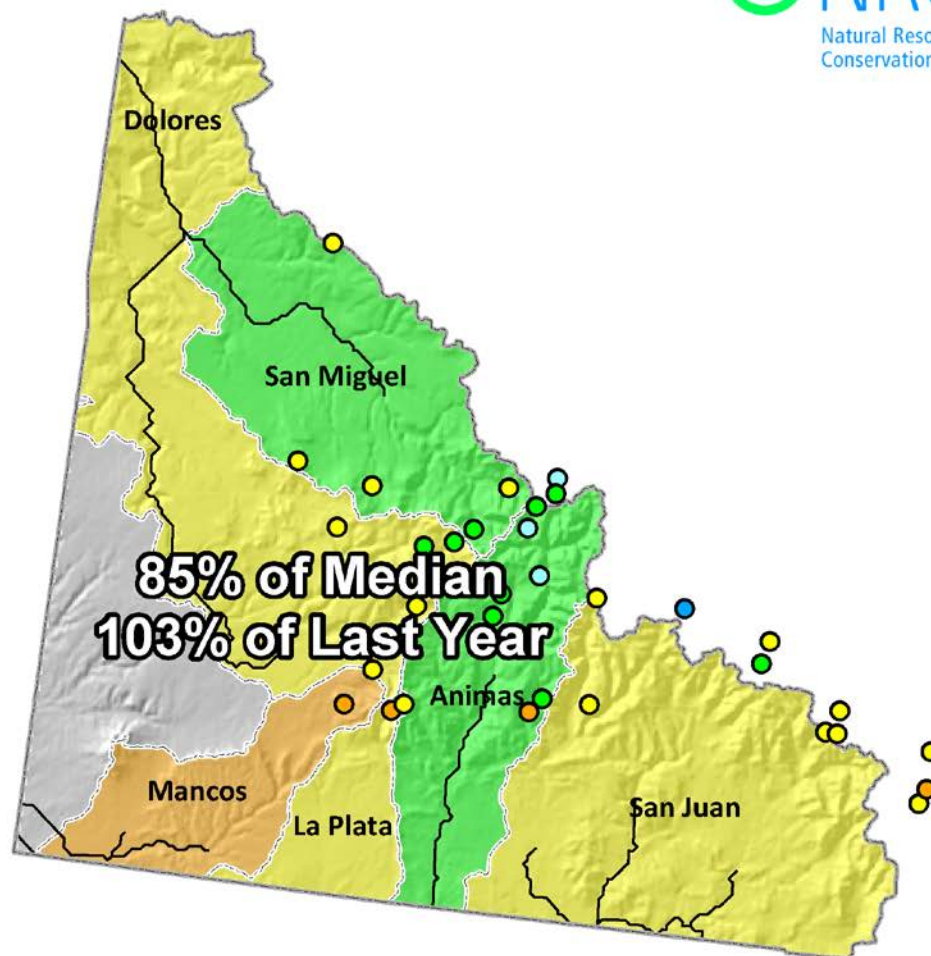


San Miguel, Dolores, Animas and San Juan River Basins Snowpack Map

Percent of Median



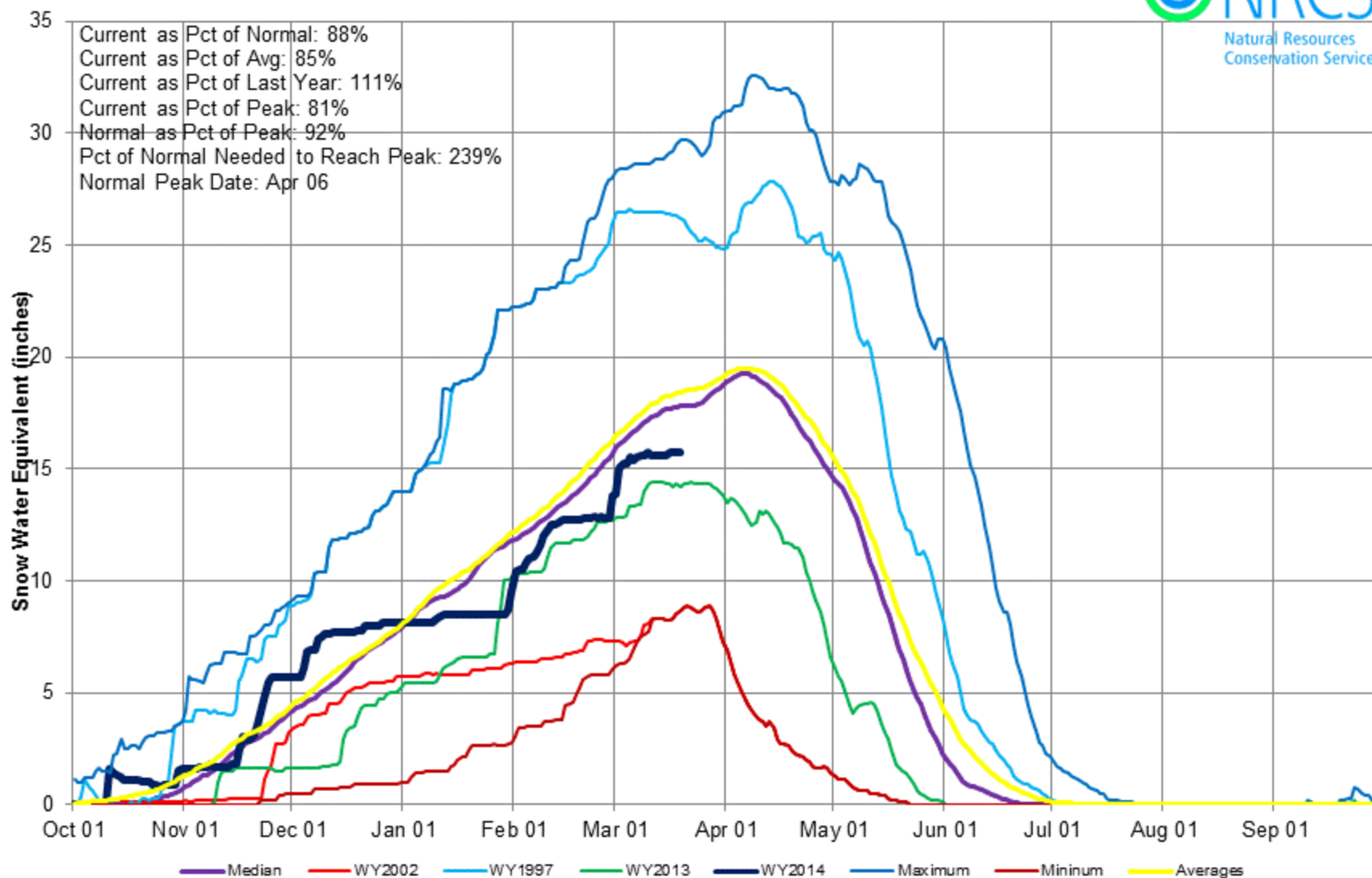
*Provisional Data
Subject to Revision*



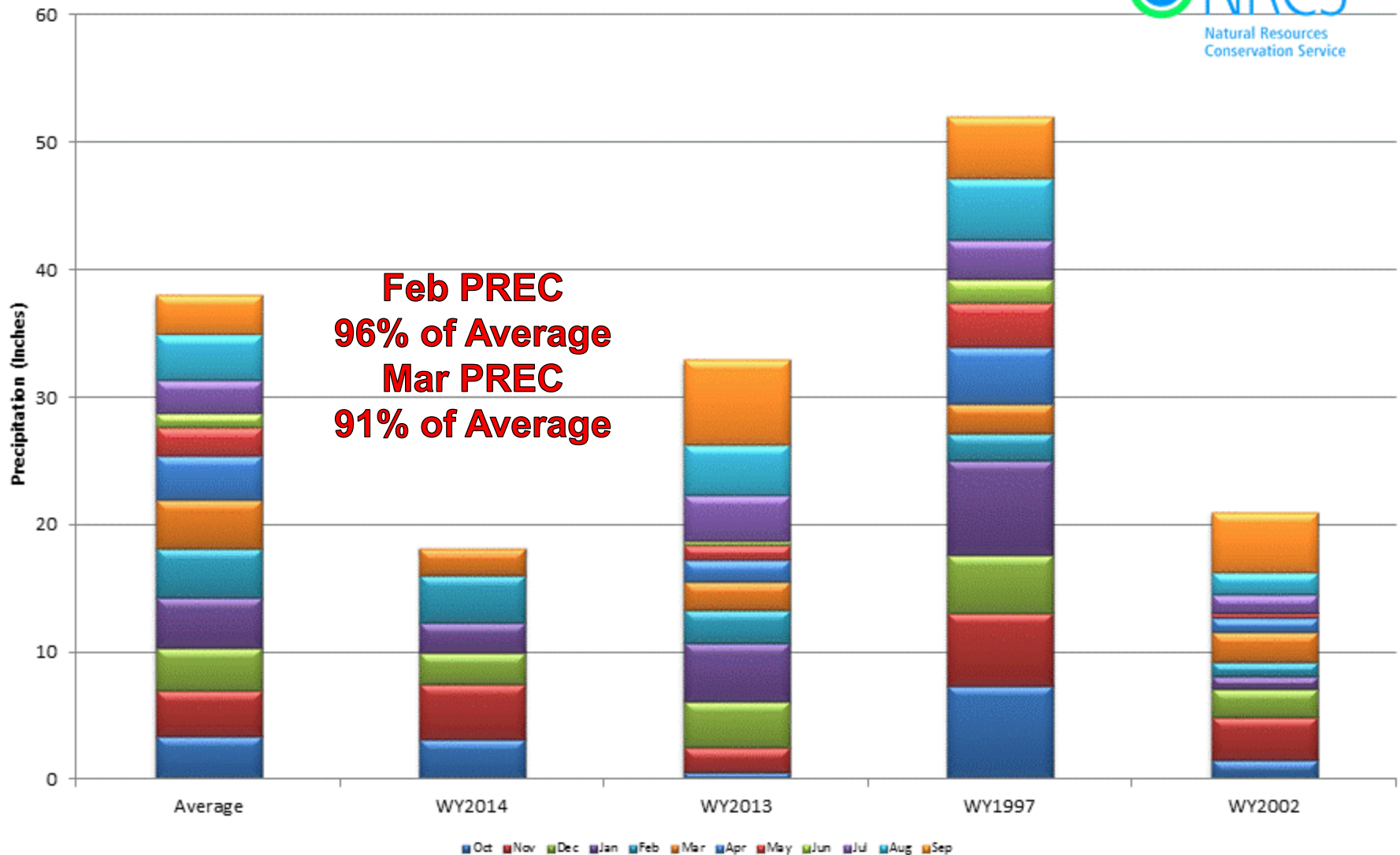
Current as of March 1, 2014

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

Based on Provisional SNOTEL data as of Mar 19, 2014

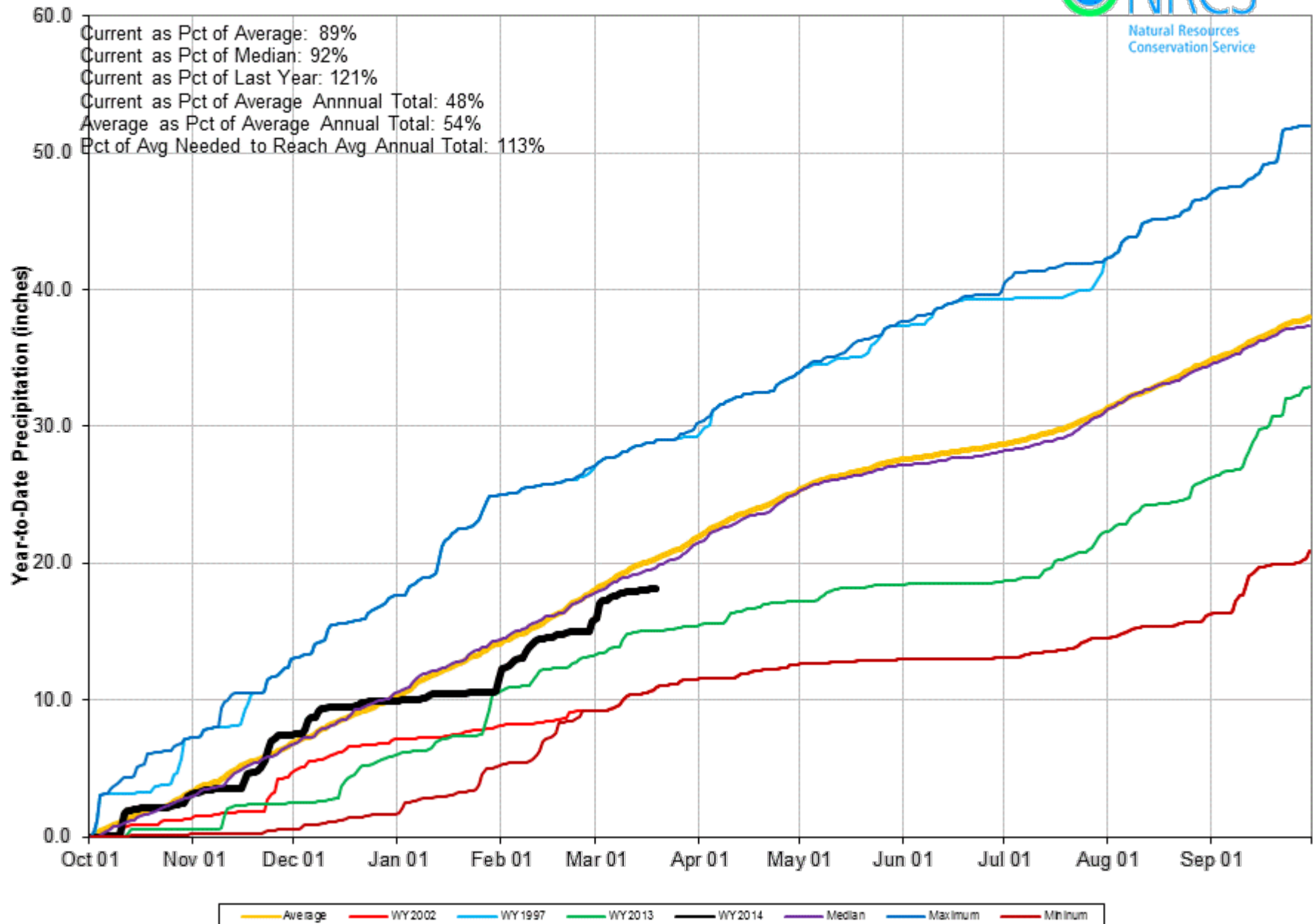


San Miguel, Dolores, Animas & San Juan River Basins High/Low Monthly Precipitation Summary



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

Based on Provisional SNOTEL data as of Mar 19, 2014



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

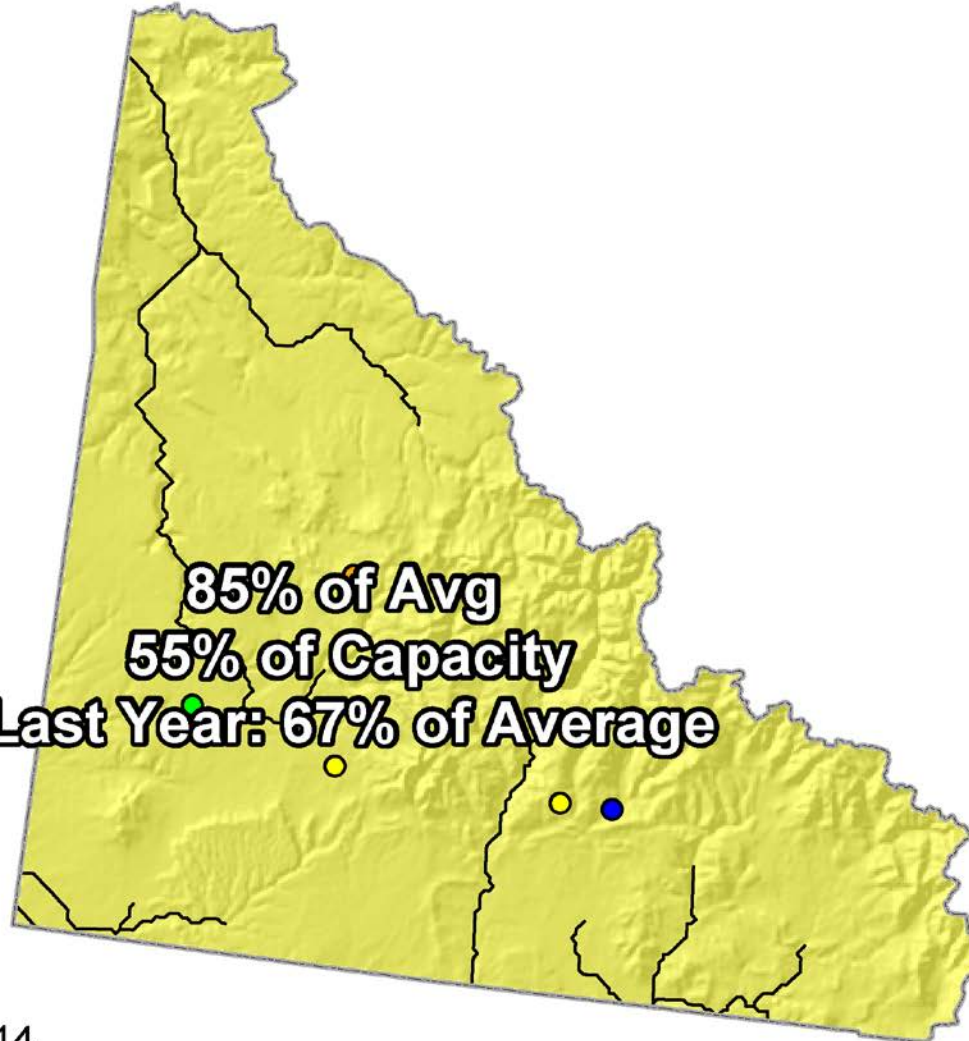


Percent of Average



*Provisional Data
Subject to Revision*

**85% of Avg
55% of Capacity
Last Year: 67% of Average**

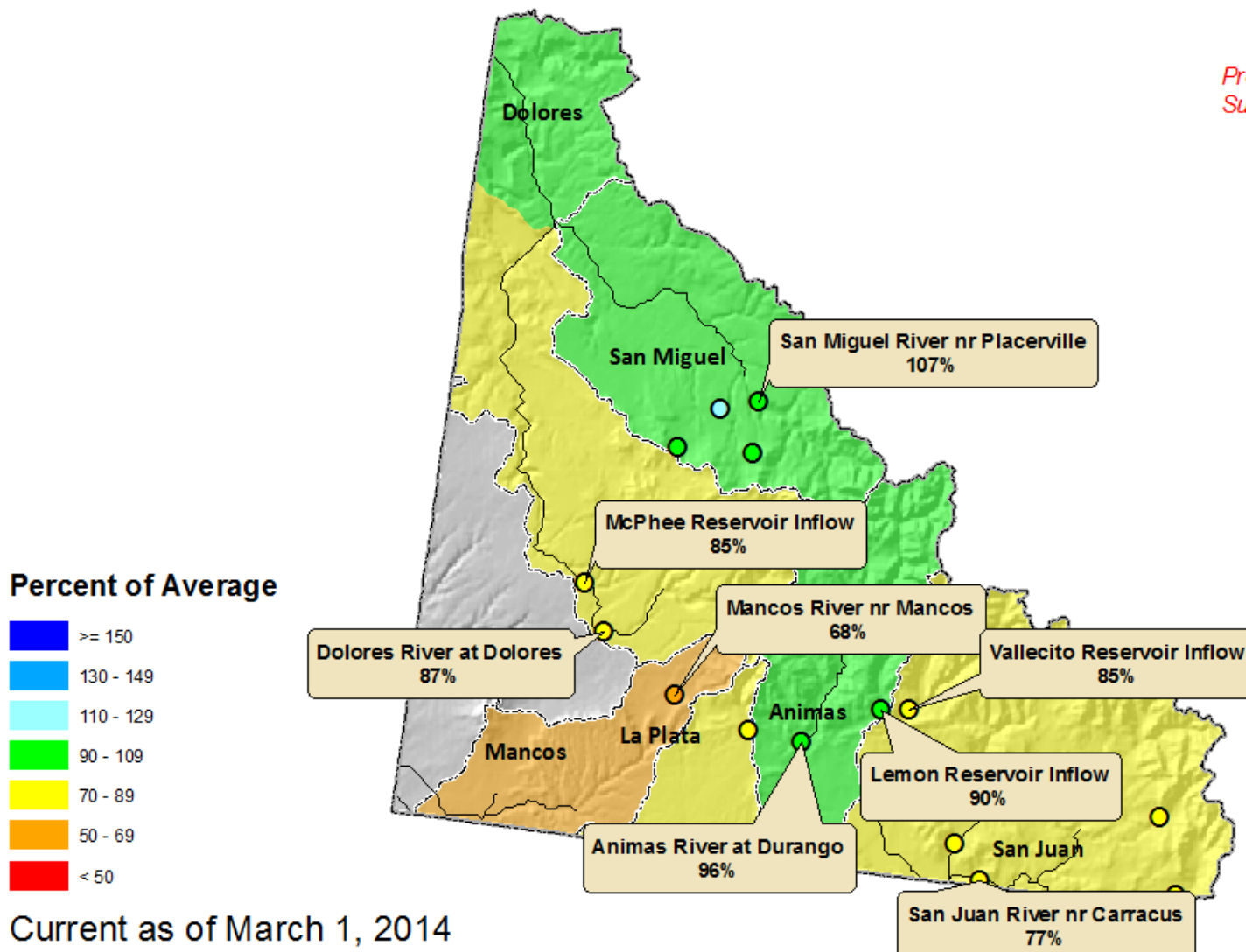


End of February 2014

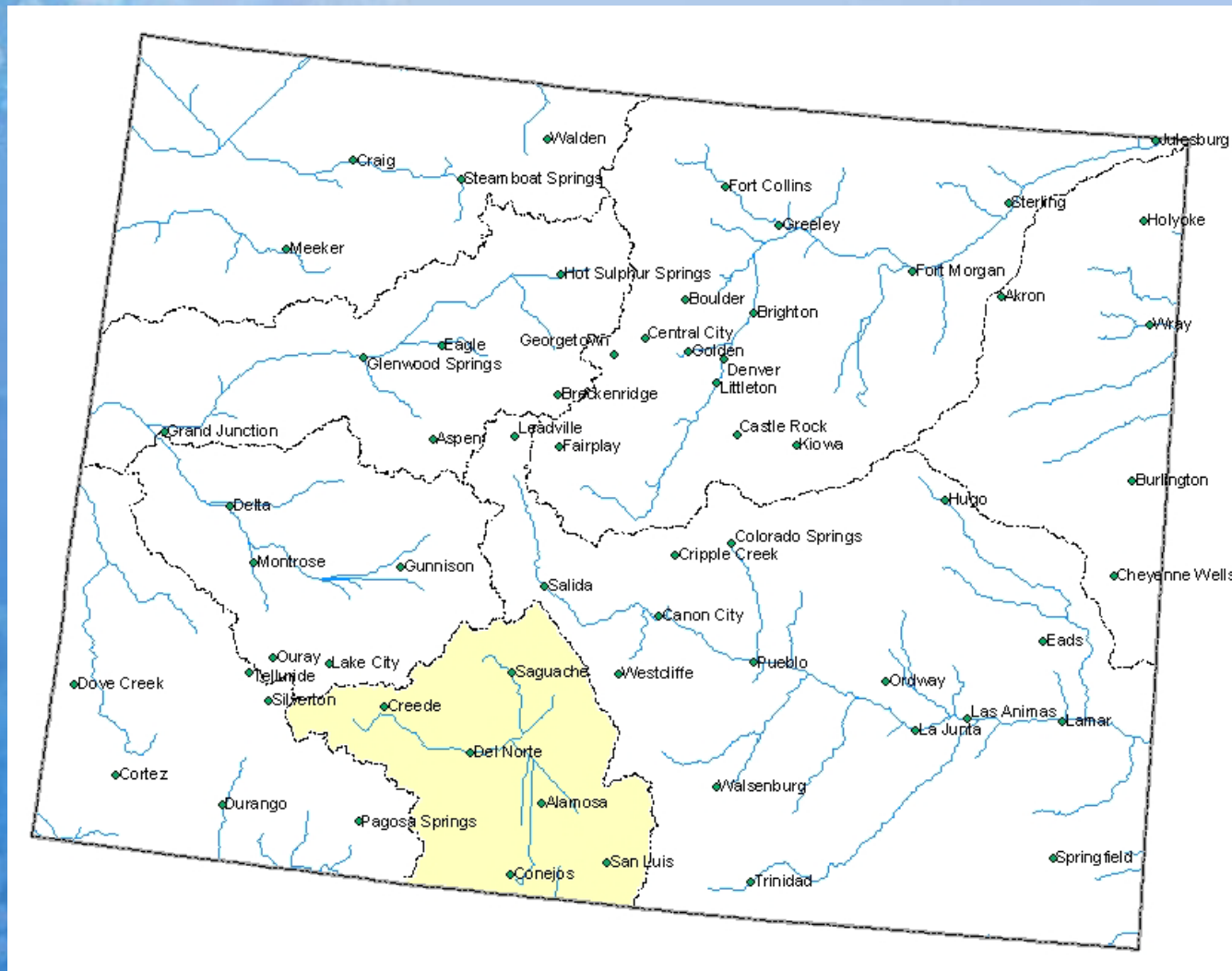
San Miguel, Dolores, Animas and San Juan River Basins Streamflow Forecast Map



*Provisional Data
Subject to Revision*



Upper Rio Grande Basin Summary

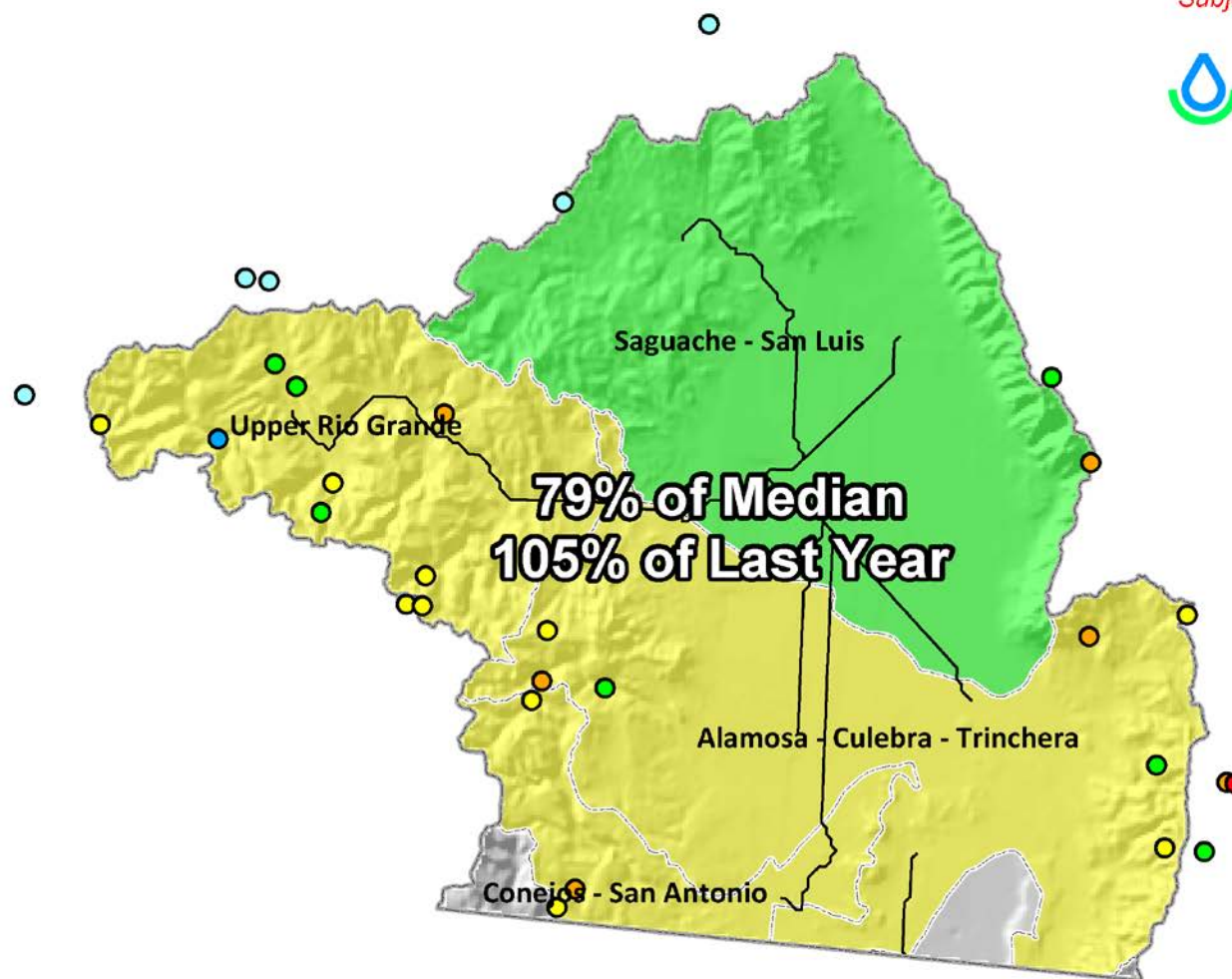


Upper Rio Grande Basin Snowpack Map

Percent of Median



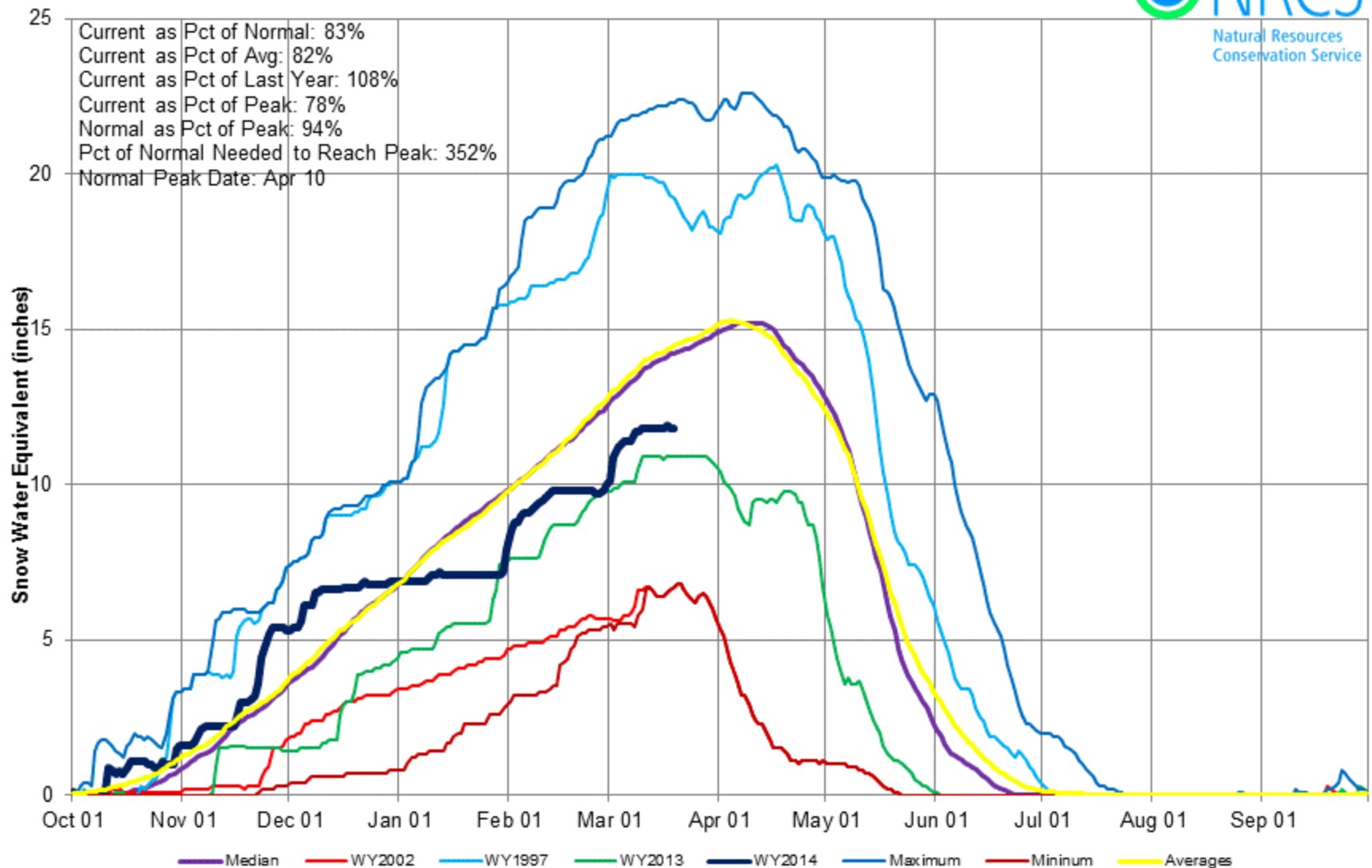
*Provisional Data
Subject to Revision*



Current as of March 1, 2014

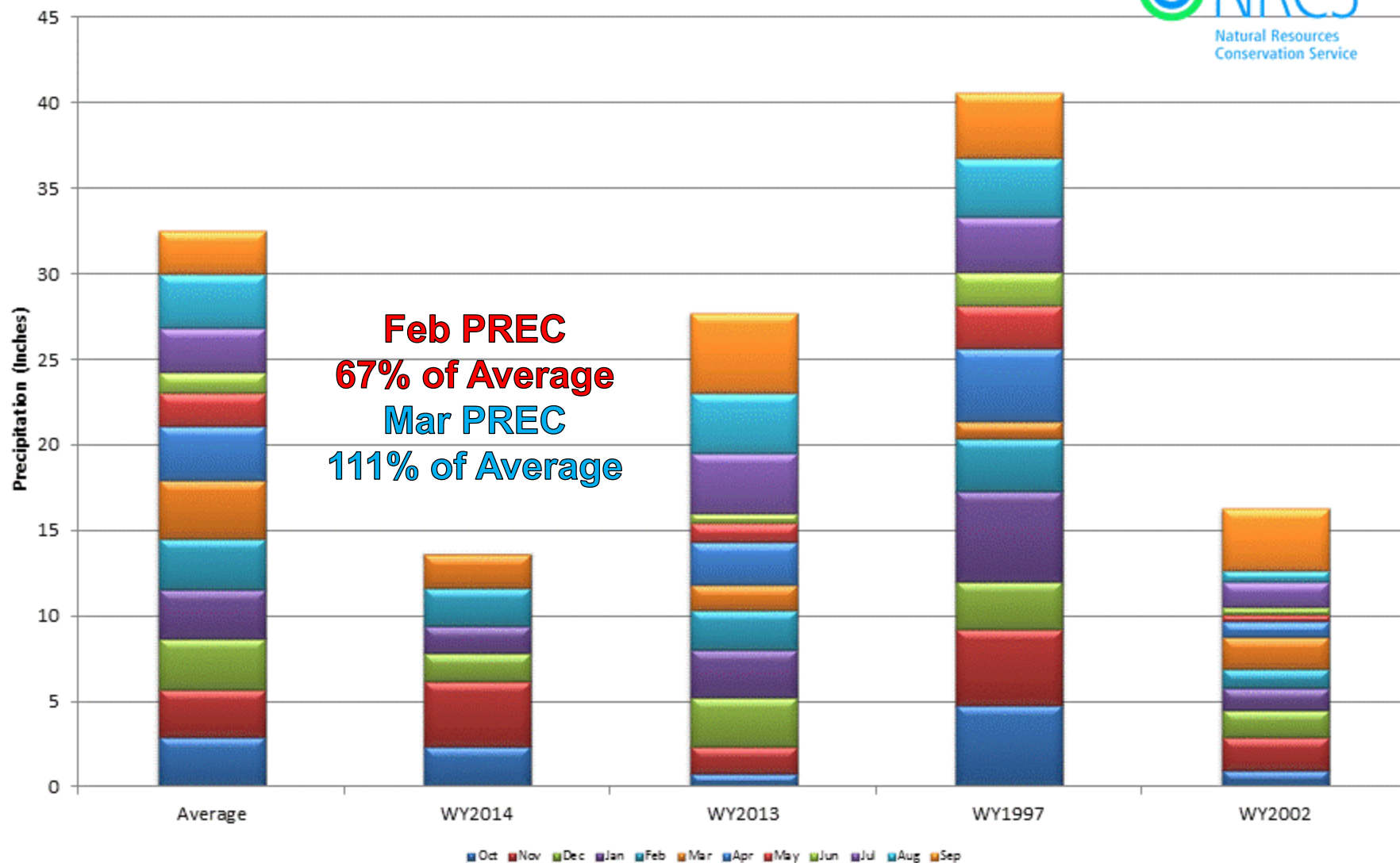
Upper Rio Grande Basin High/Low Snowpack Summary

Based on Provisional SNOTEL data as of Mar 19, 2014



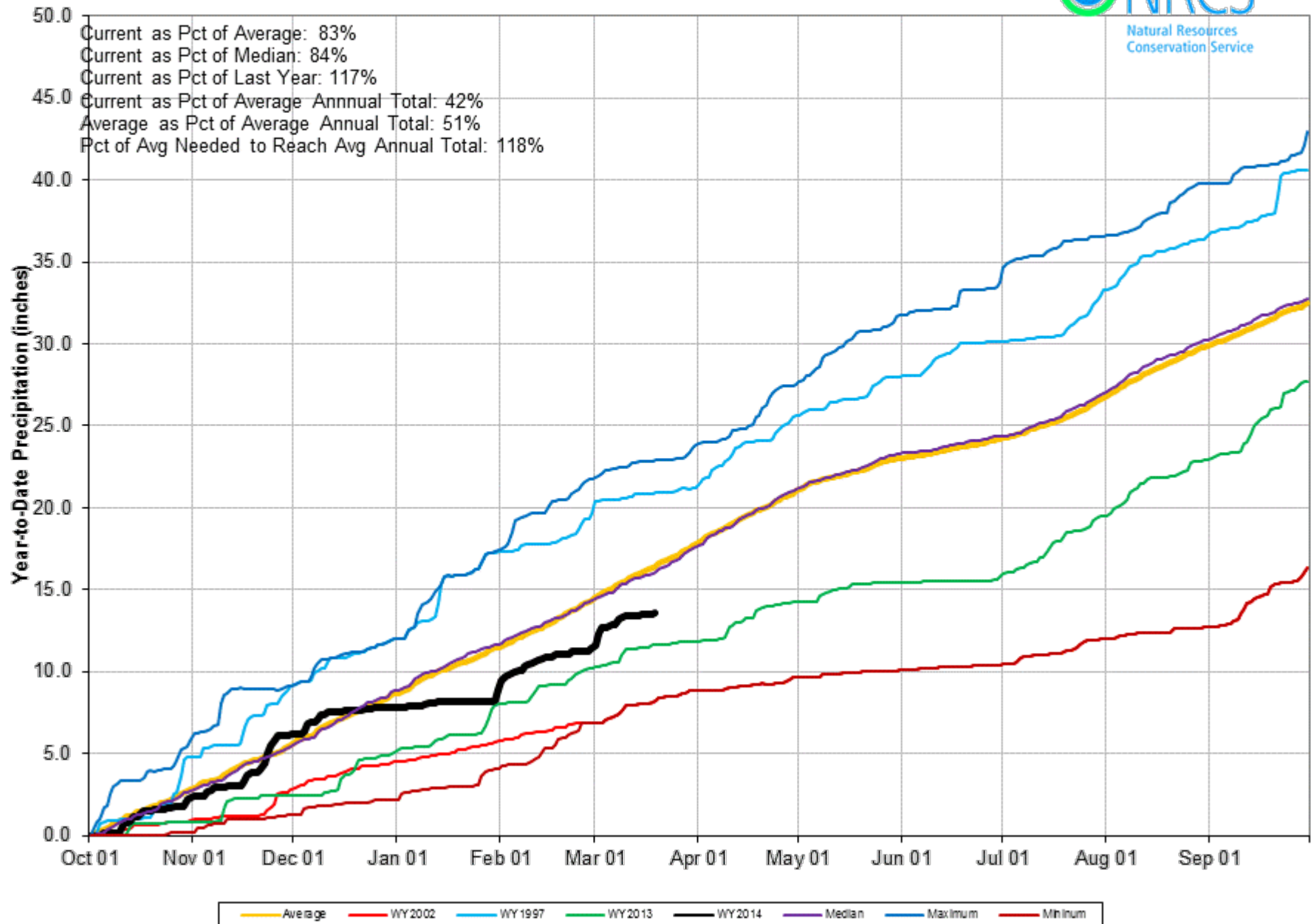
Upper Rio Grande Basin High/Low Monthly Precipitation Summary

Based on Provisional SNOTEL data as of Mar 19, 2014



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

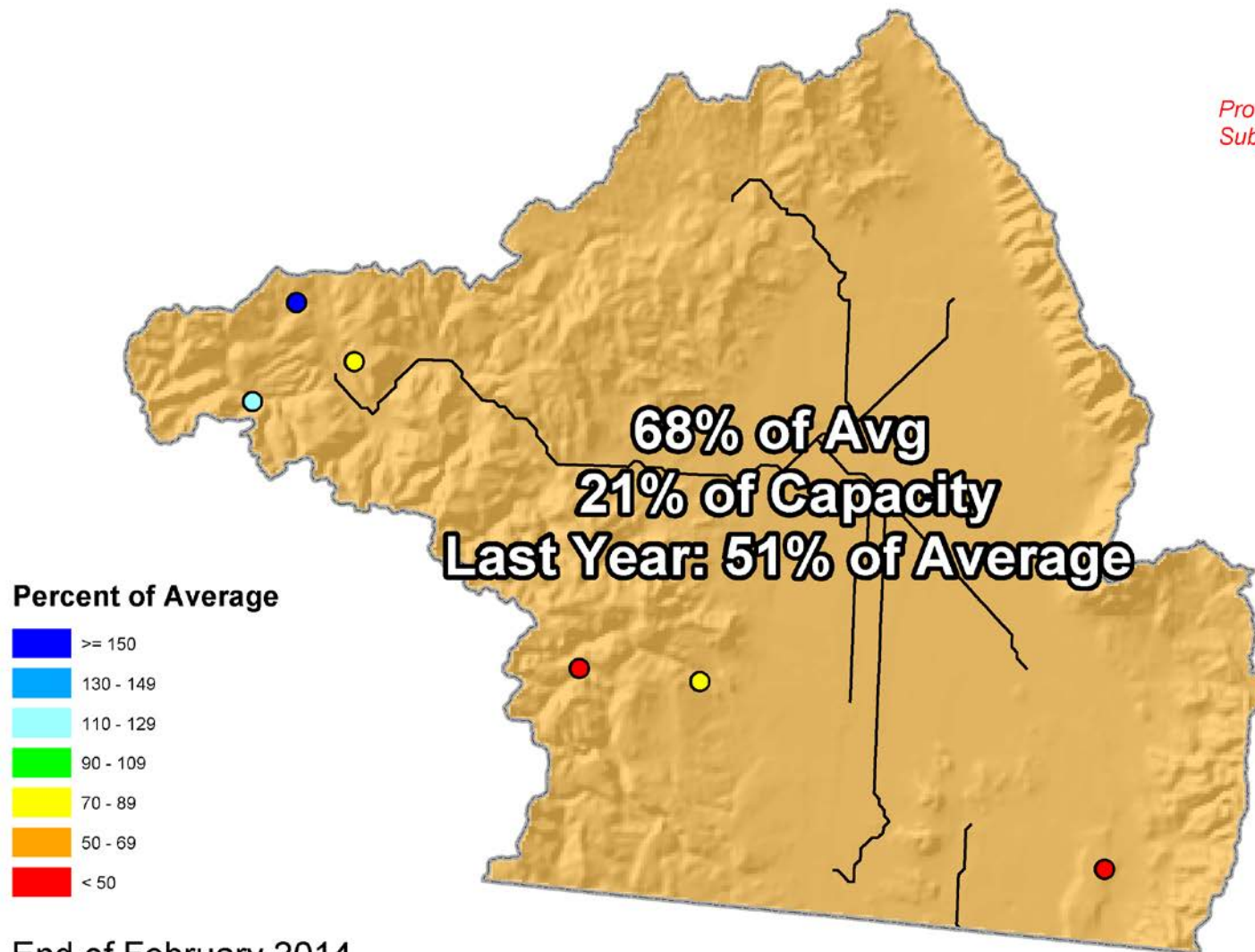
Based on Provisional SNOTEL data as of Mar 19, 2014



Upper Rio Grande Basin Reservoir Storage Map



*Provisional Data
Subject to Revision*

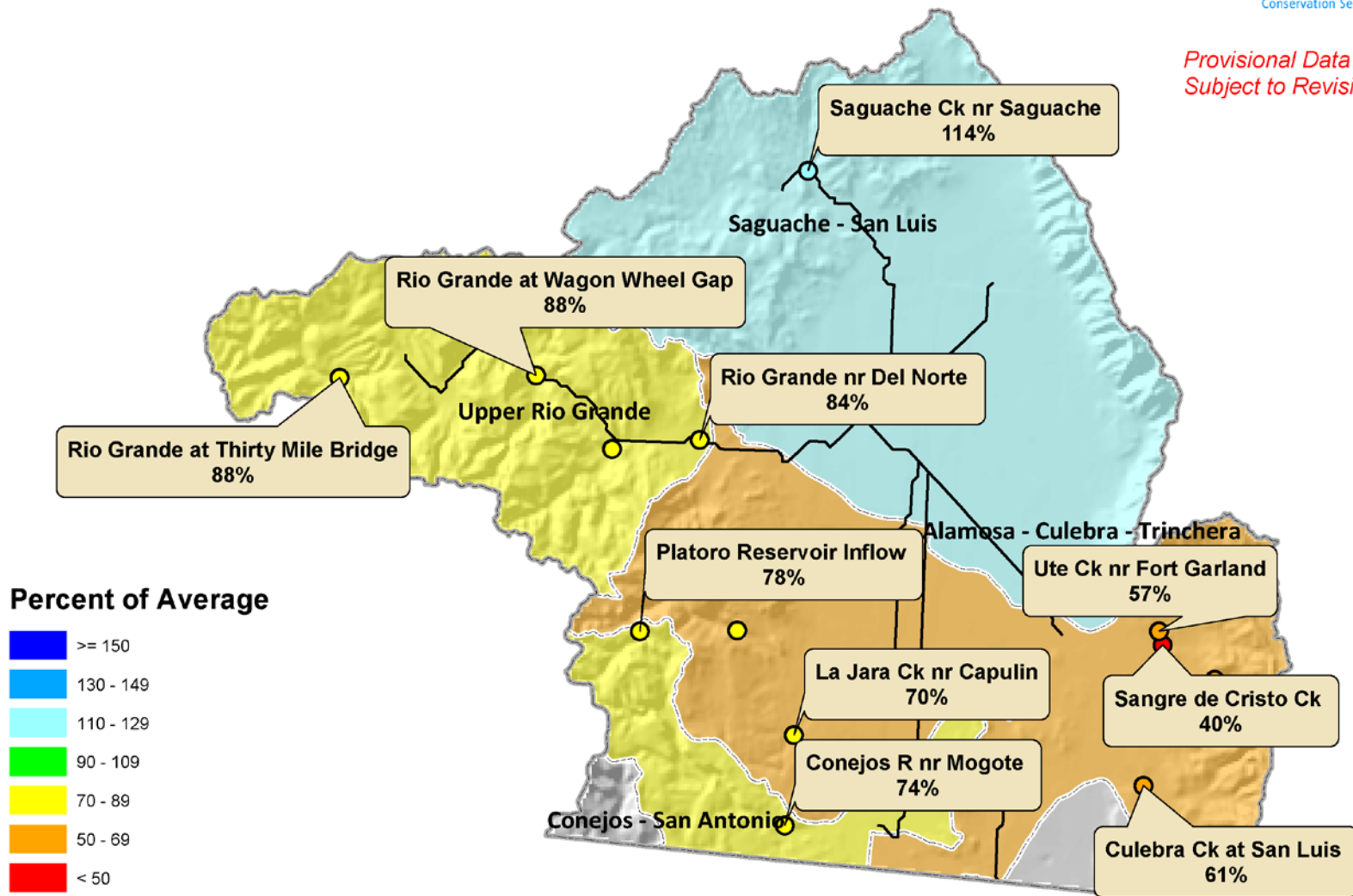


End of February 2014

Upper Rio Grande Basin Streamflow Forecast Map



*Provisional Data
Subject to Revision*



Current as of March 1, 2014

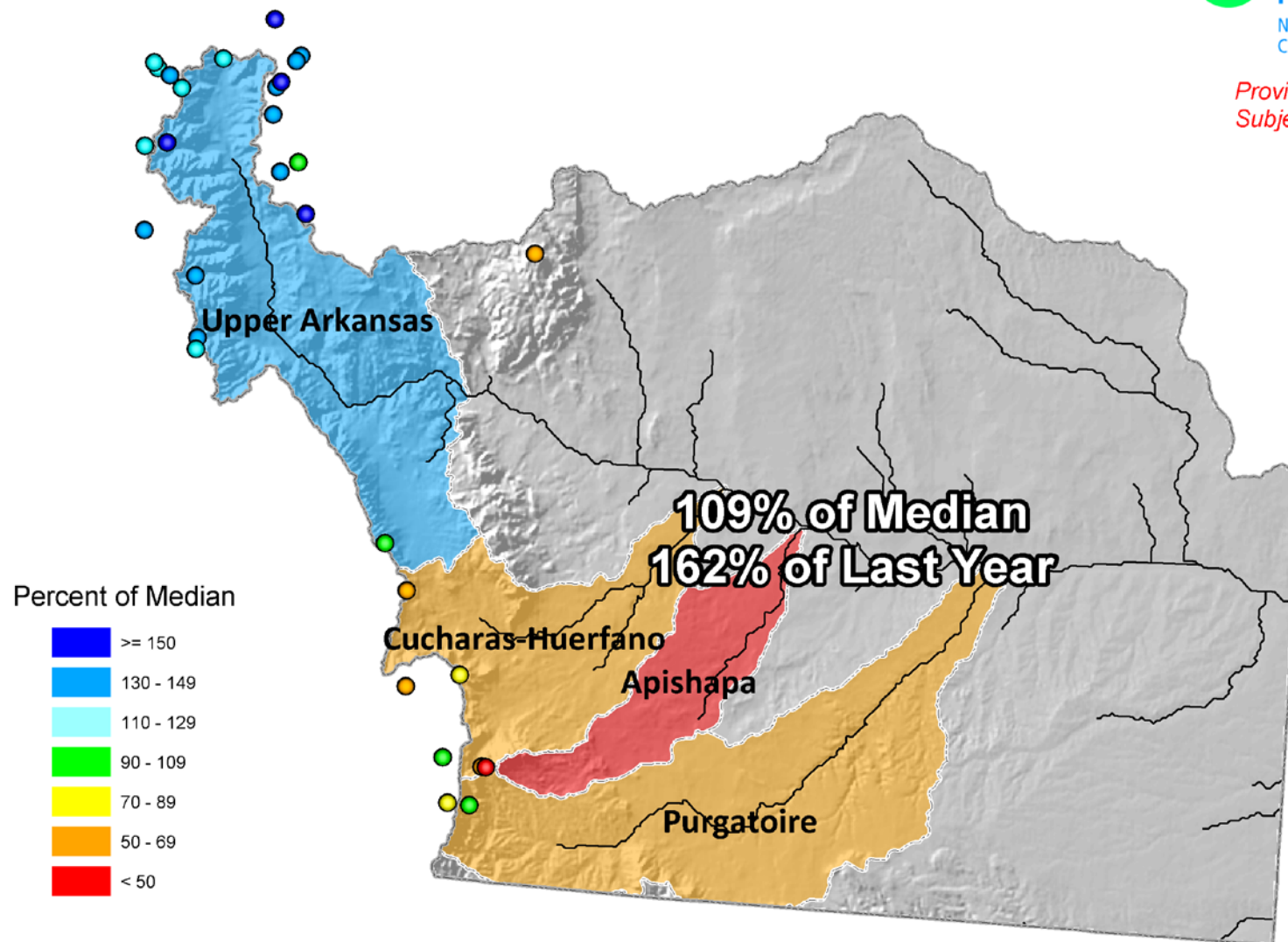
Arkansas River Basin Summary



Arkansas River Basin Snowpack Map



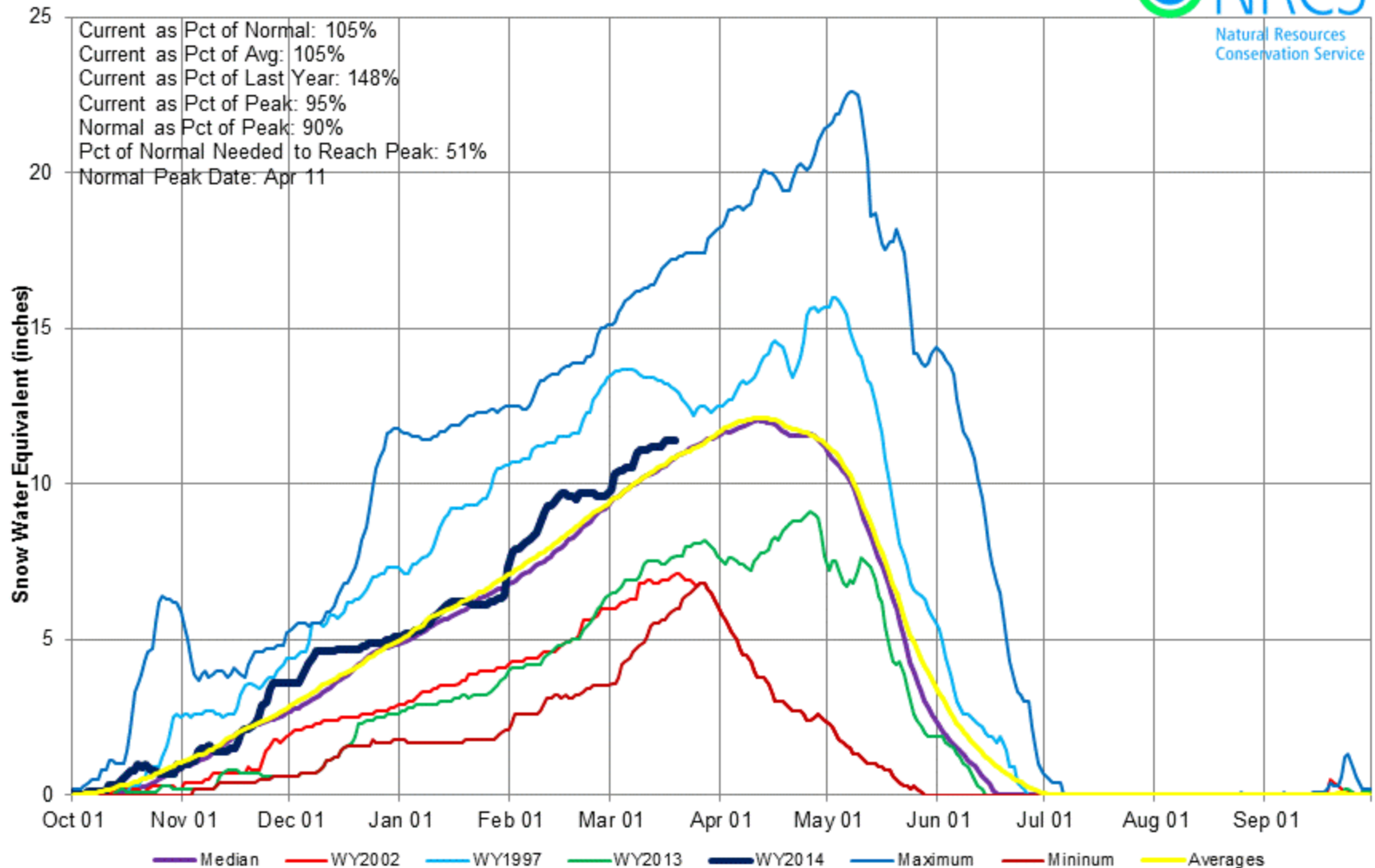
*Provisional Data
Subject to Revision*



Current as of March 1, 2014

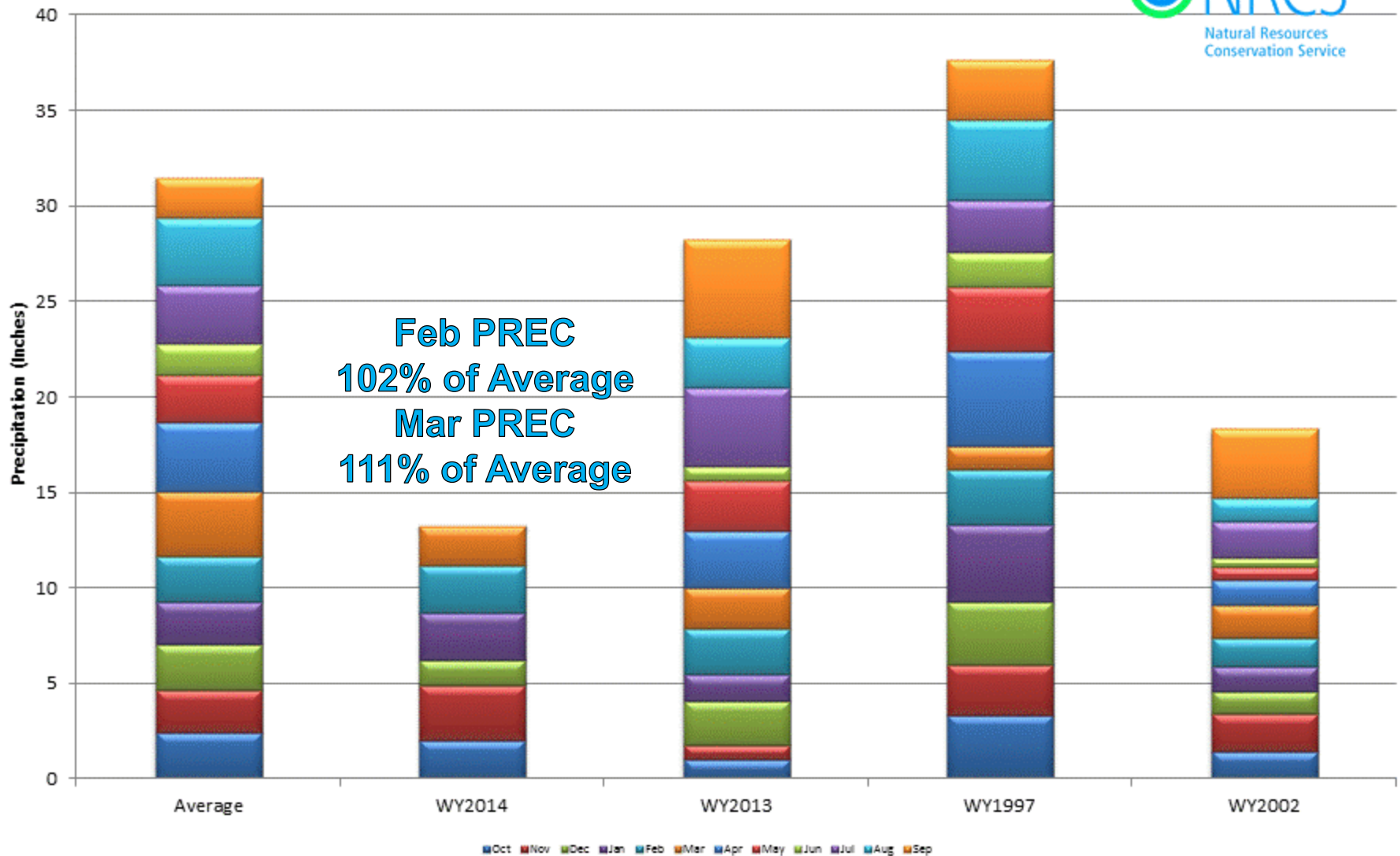
Arkansas River Basin High/Low Snowpack Summary

Based on Provisional SNOTEL data as of Mar 19, 2014



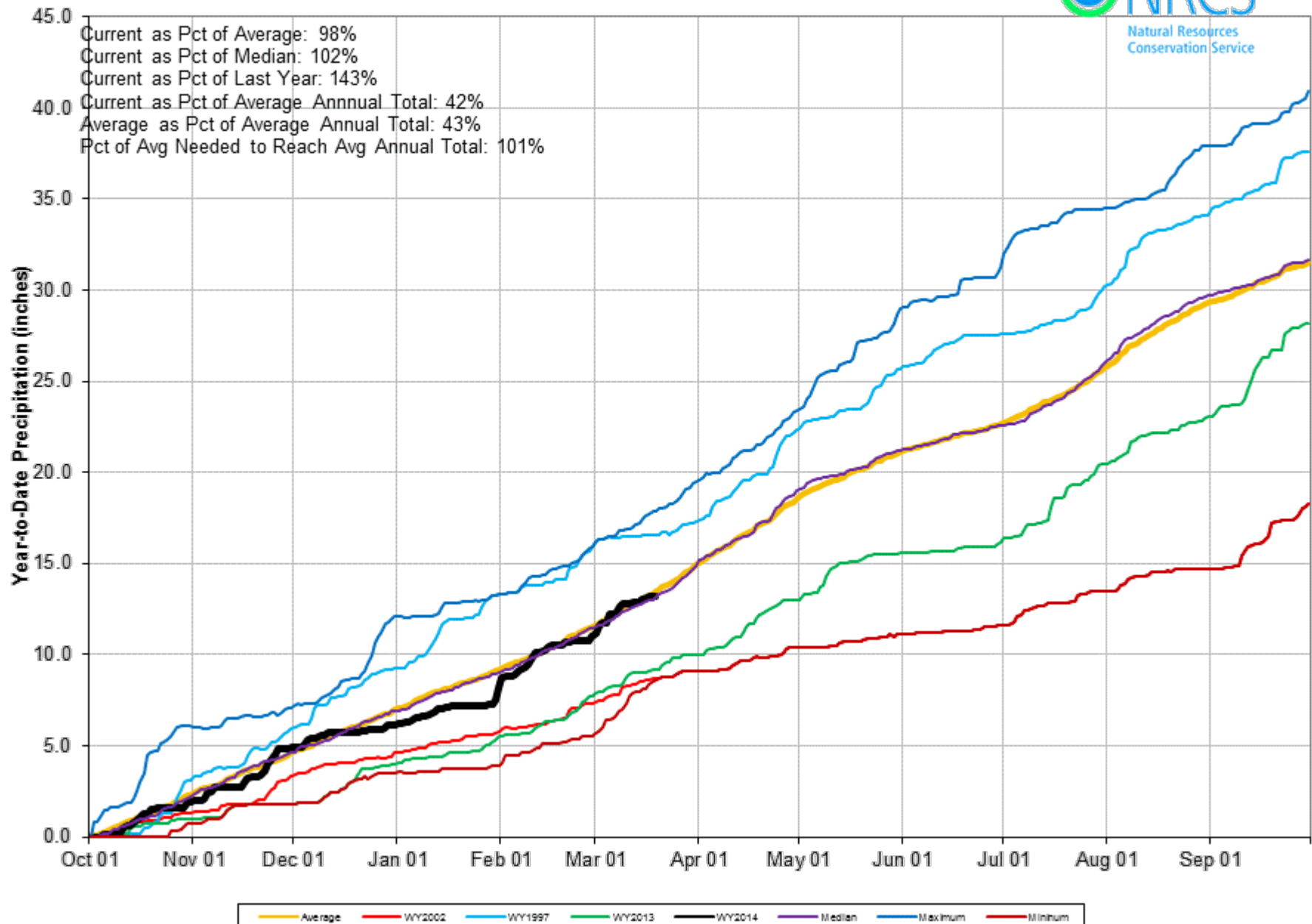
Arkansas River Basin High/Low Monthly Precipitation Summary

Based on Provisional SNOTEL data as of Mar 19, 2014



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

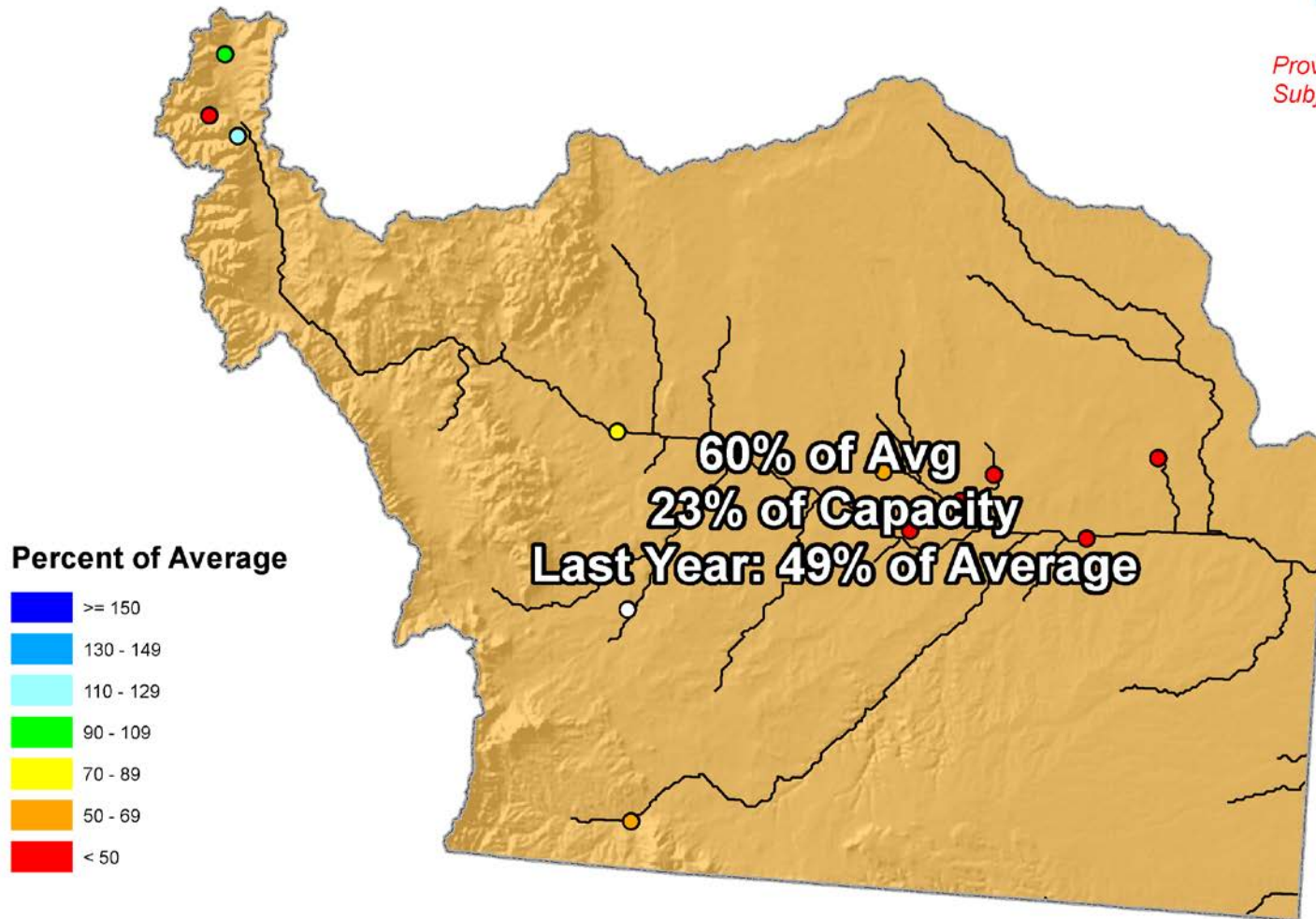
Based on Provisional SNOTEL data as of Mar 19, 2014



Arkansas River Basin Reservoir Storage Map



*Provisional Data
Subject to Revision*

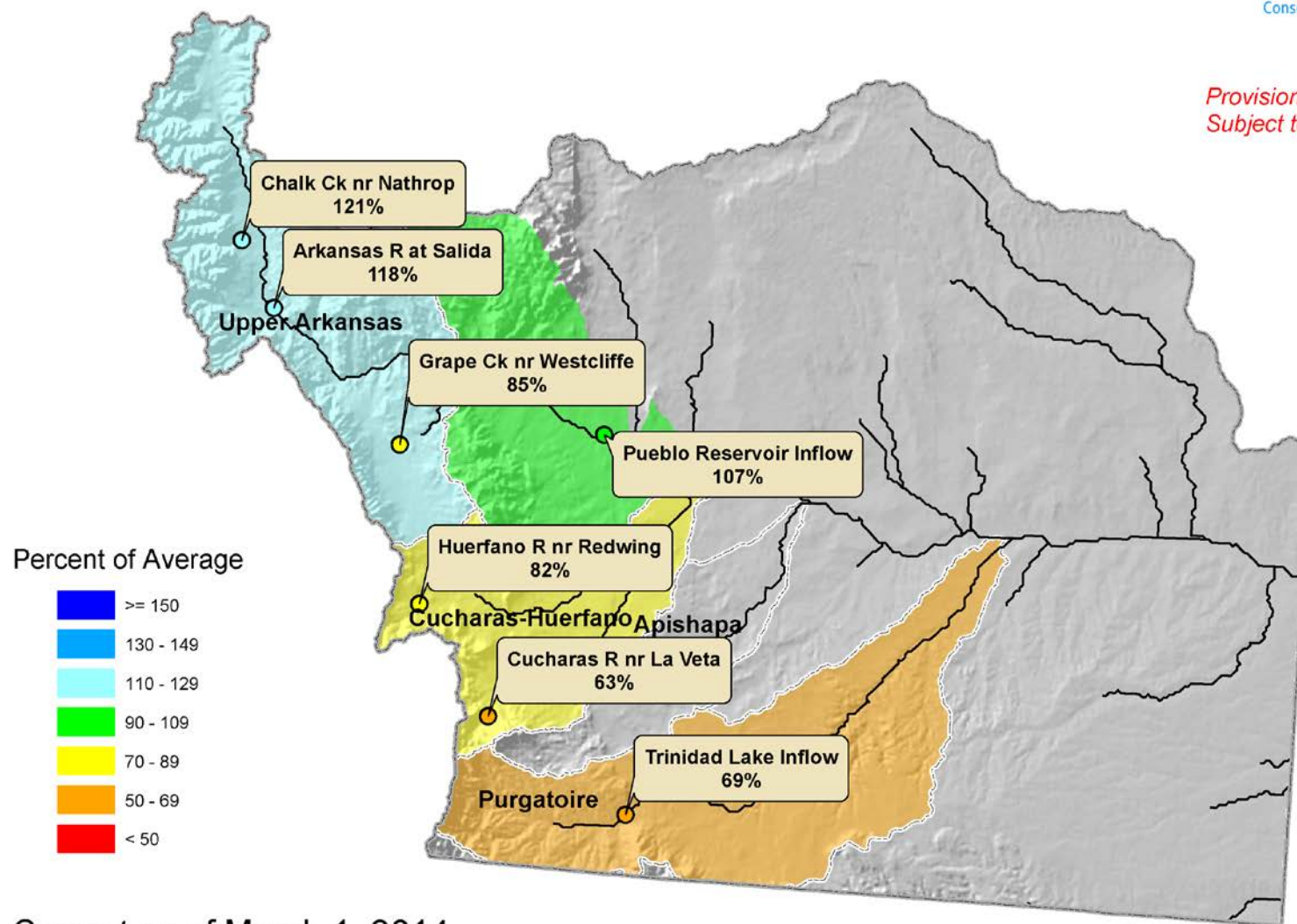


End of February 2014

Arkansas River Basin Streamflow Forecast Map

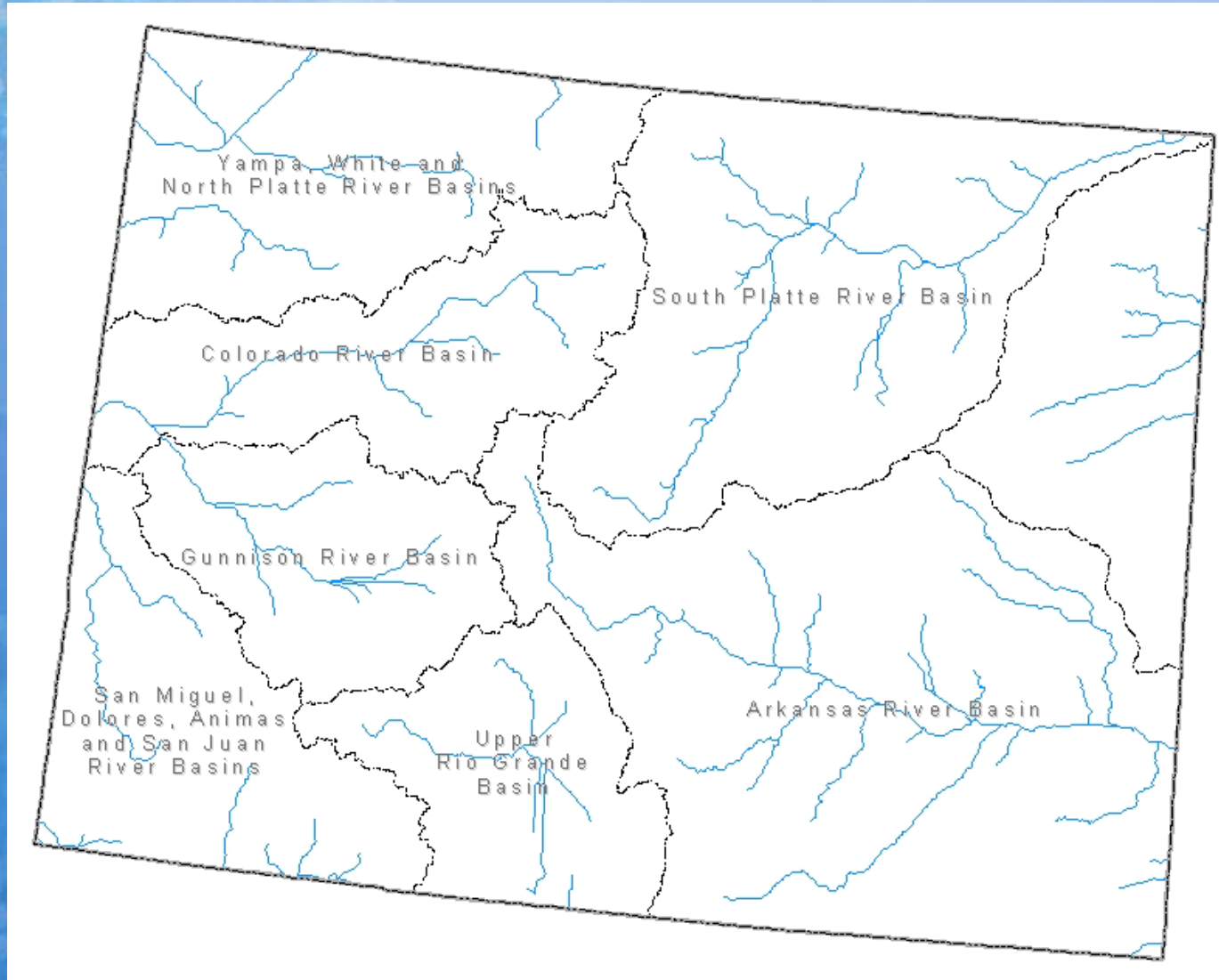


*Provisional Data
Subject to Revision*



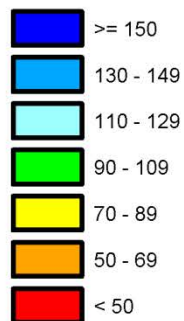
Current as of March 1, 2014

Colorado Statewide Summary

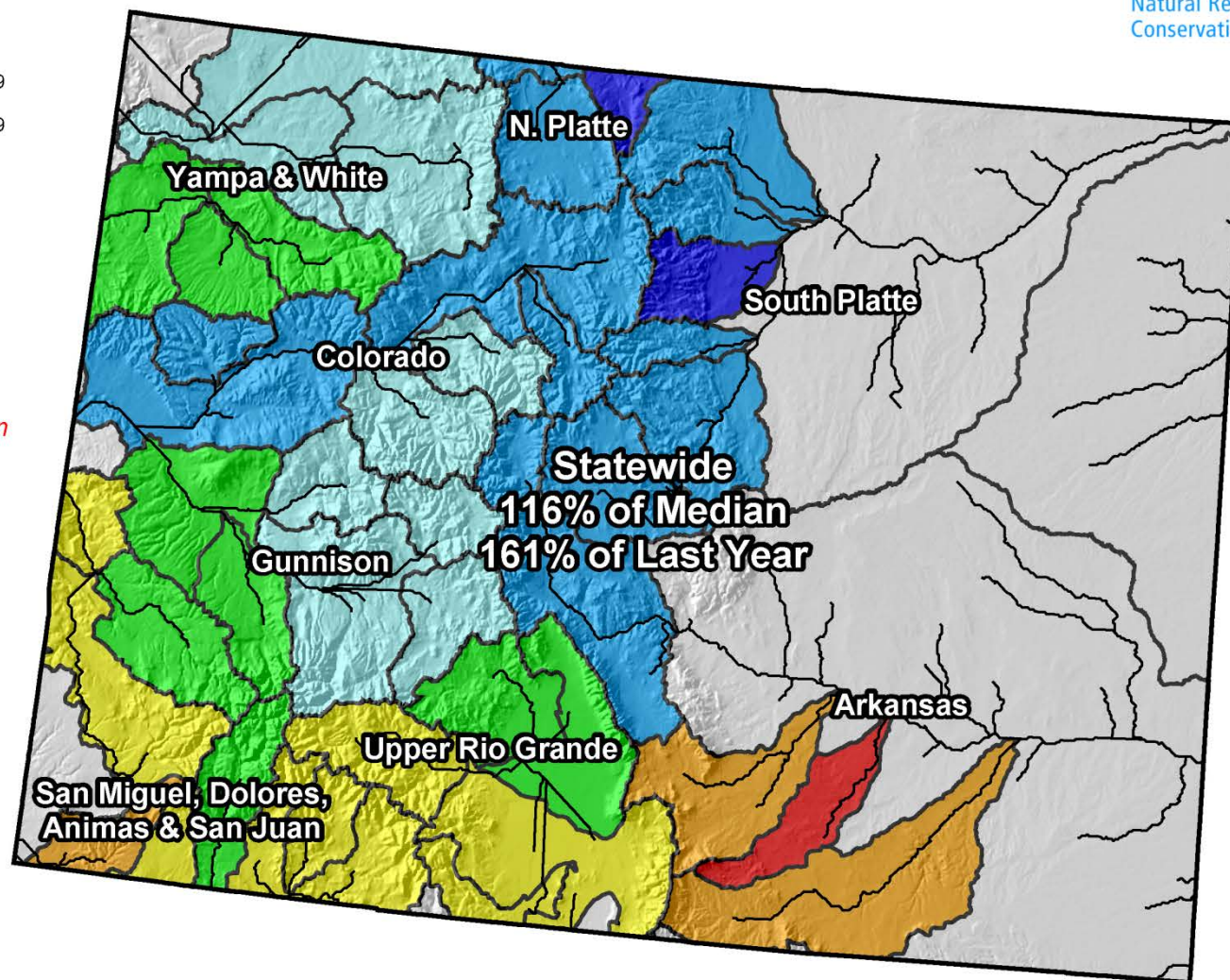


Colorado Snowpack Map

Percent of Median



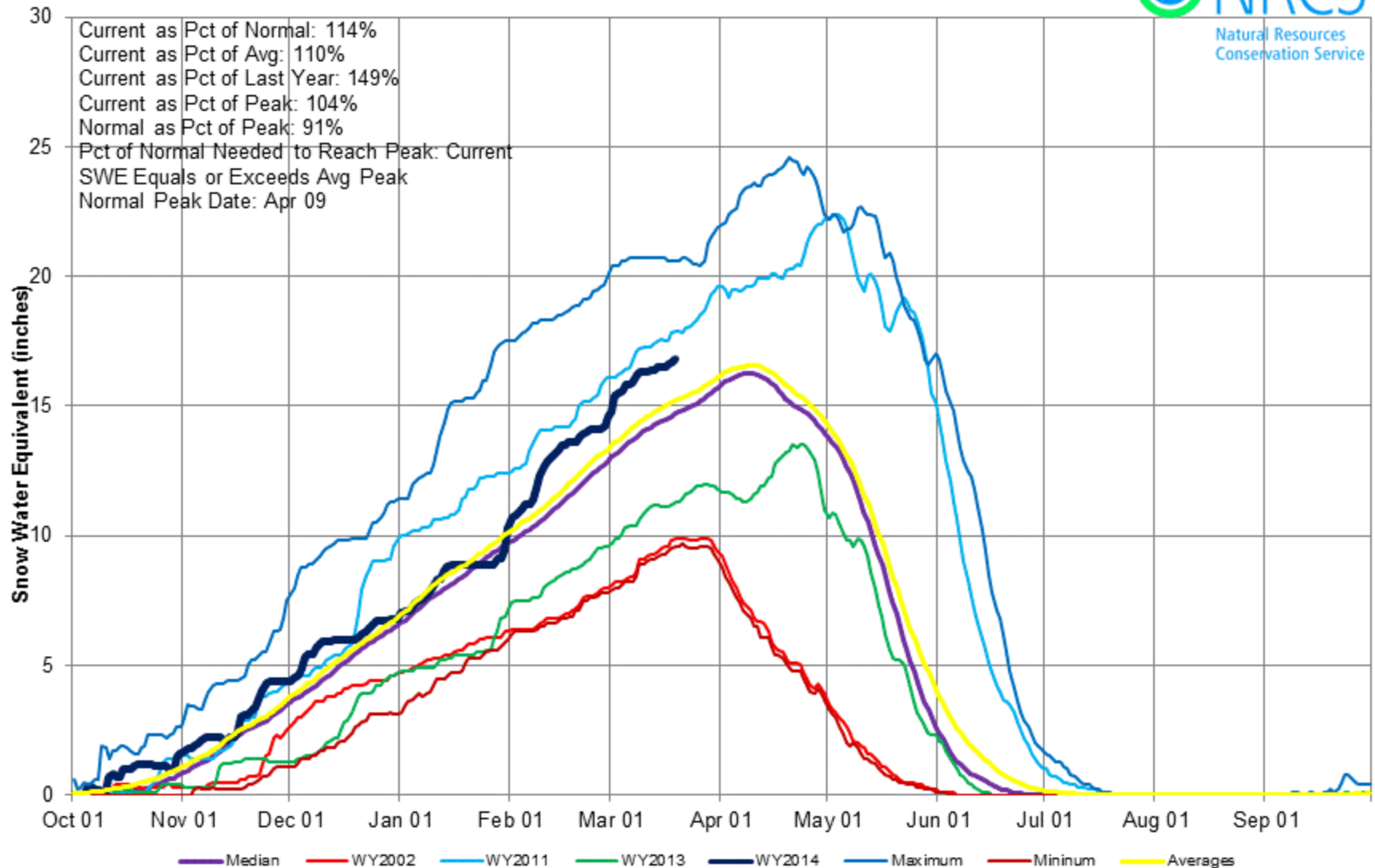
*Provisional Data
Subject to Revision*



Current as of March 1, 2014

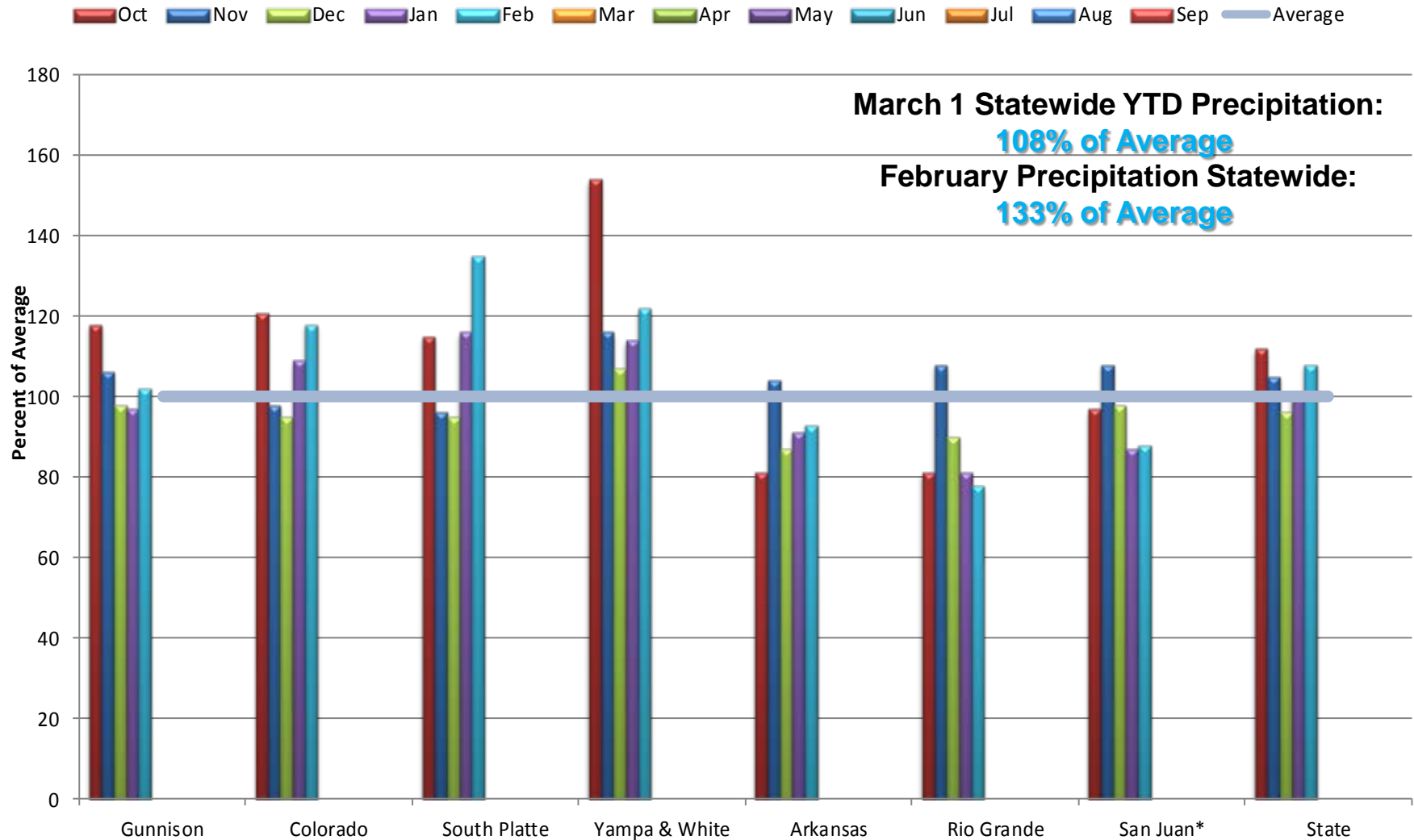
Colorado Statewide High/Low Snowpack Summary

Based on Provisional SNOTEL data as of Mar 19, 2014



Colorado Year-to-Date Precipitation Summary for WY2014

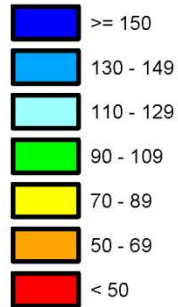
USDA Natural Resources Conservation Service



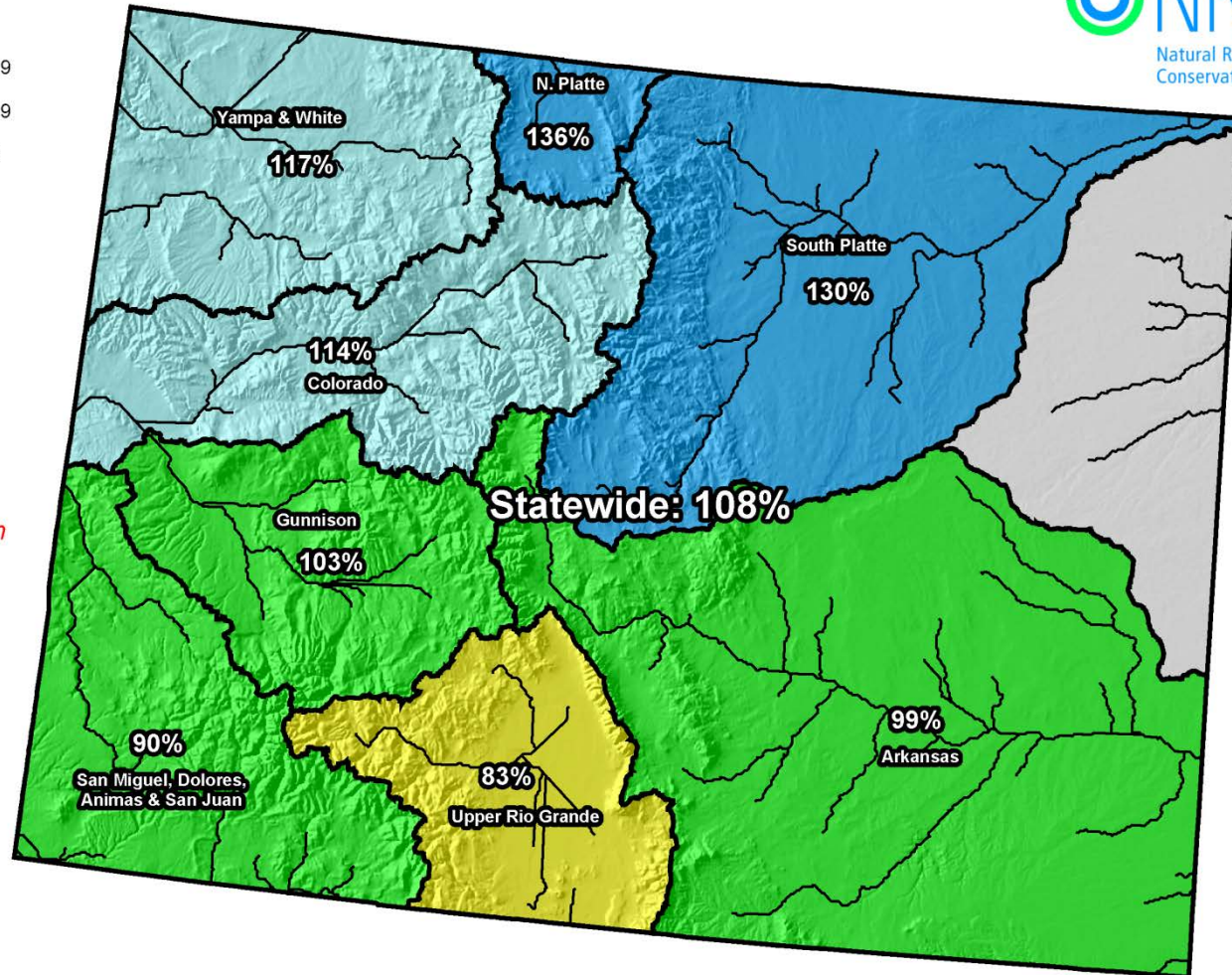
*Includes Animas, Dolores, San Miguel Basins

Colorado SNOTEL Water Year-to-Date Precipitation Update Map

Percent of Average



*Provisional Data
Subject to Revision*



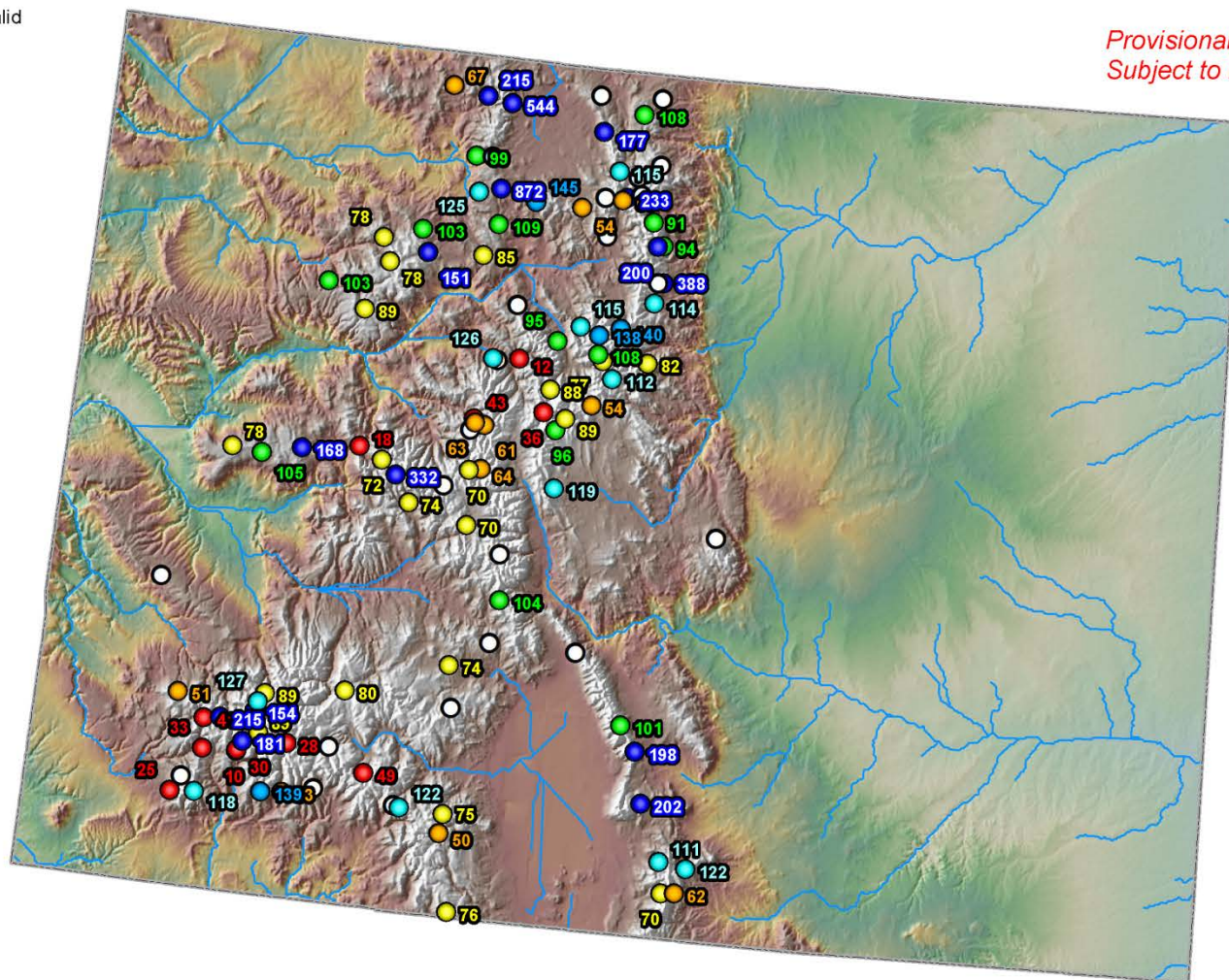
Current as of 03/19/2014

Colorado SNOTEL Month-to-Date Precipitation

Percent of Average

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

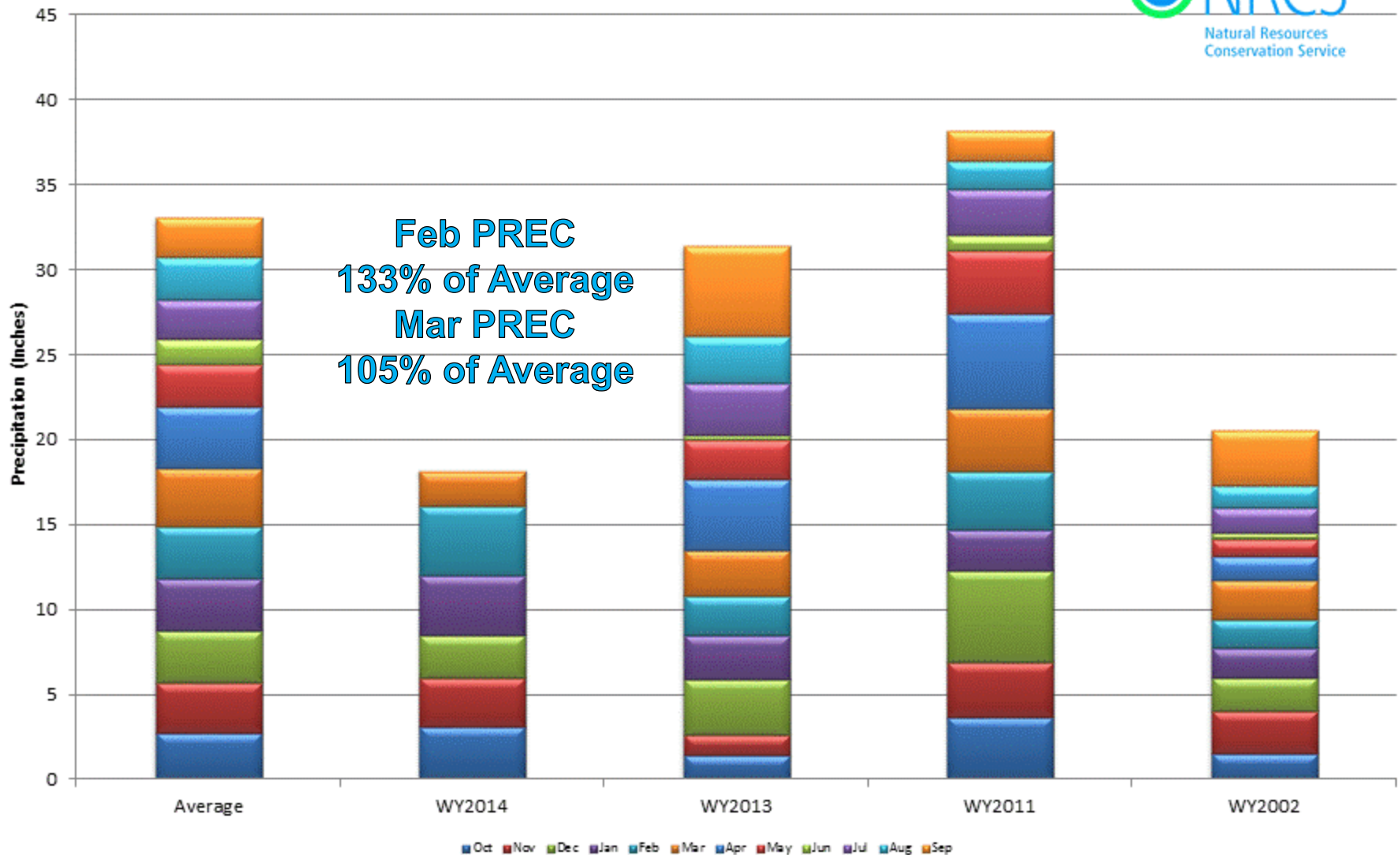
*Provisional Data
Subject to Revision*



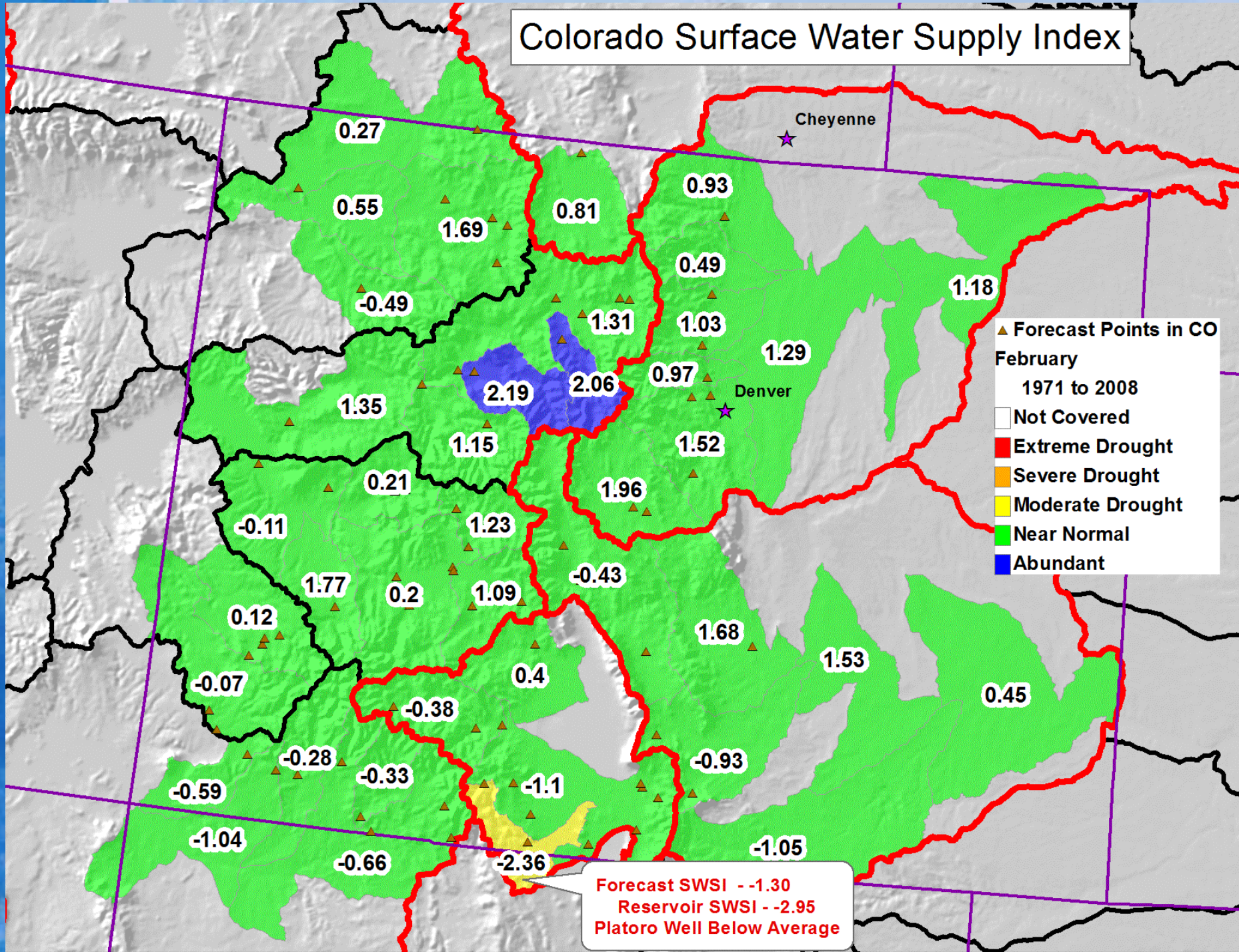
Current as of 03 19, 2014

Colorado Statewide High/Low Monthly Precipitation Summary

Based on Provisional SNOTEL data as of Mar 19, 2014



Colorado Surface Water Supply Index

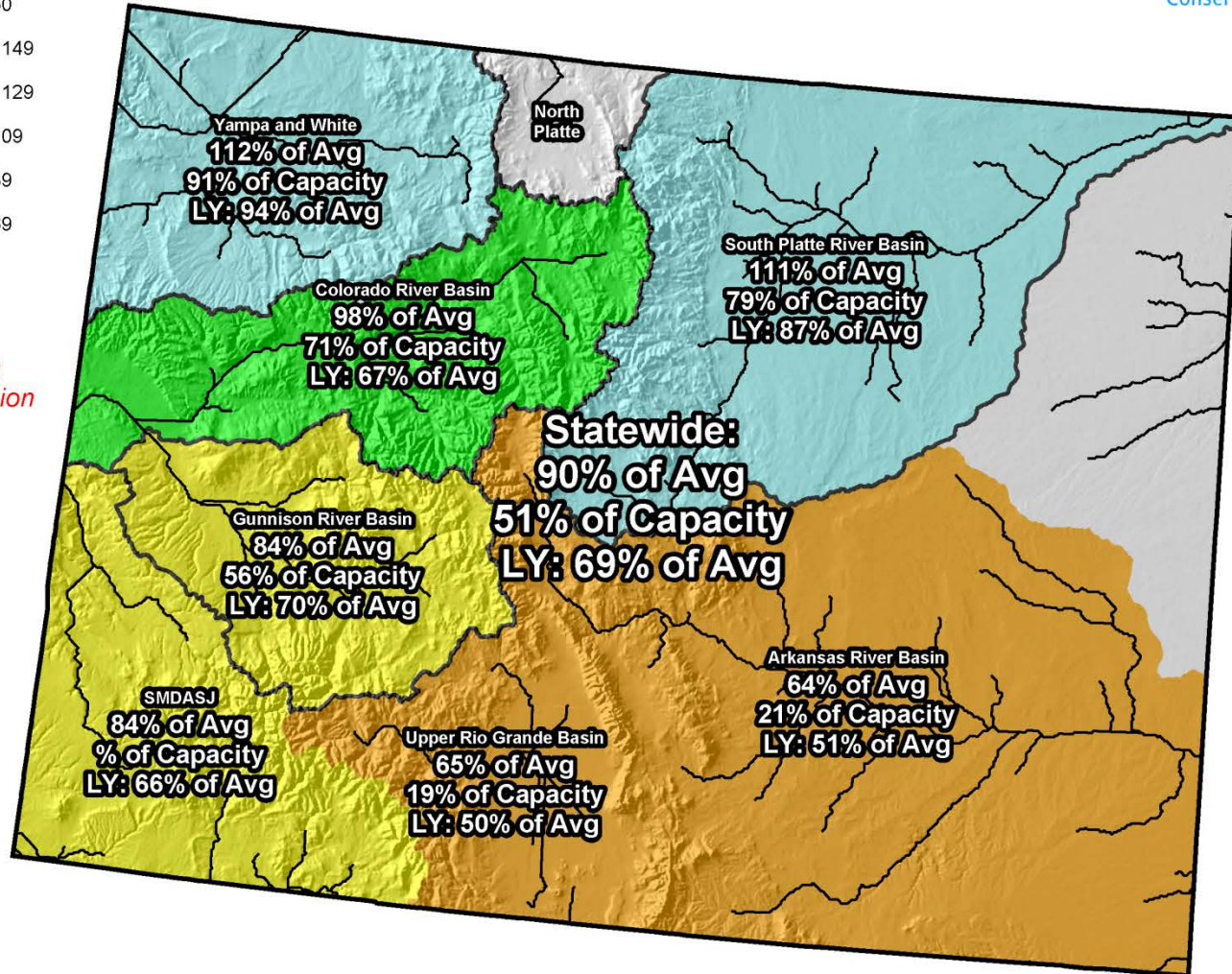


Colorado Reservoir Storage Map

Percent of Average



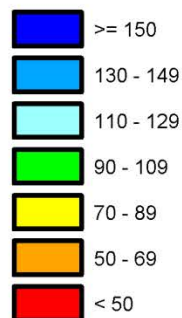
*Provisional Data
Subject to Revision*



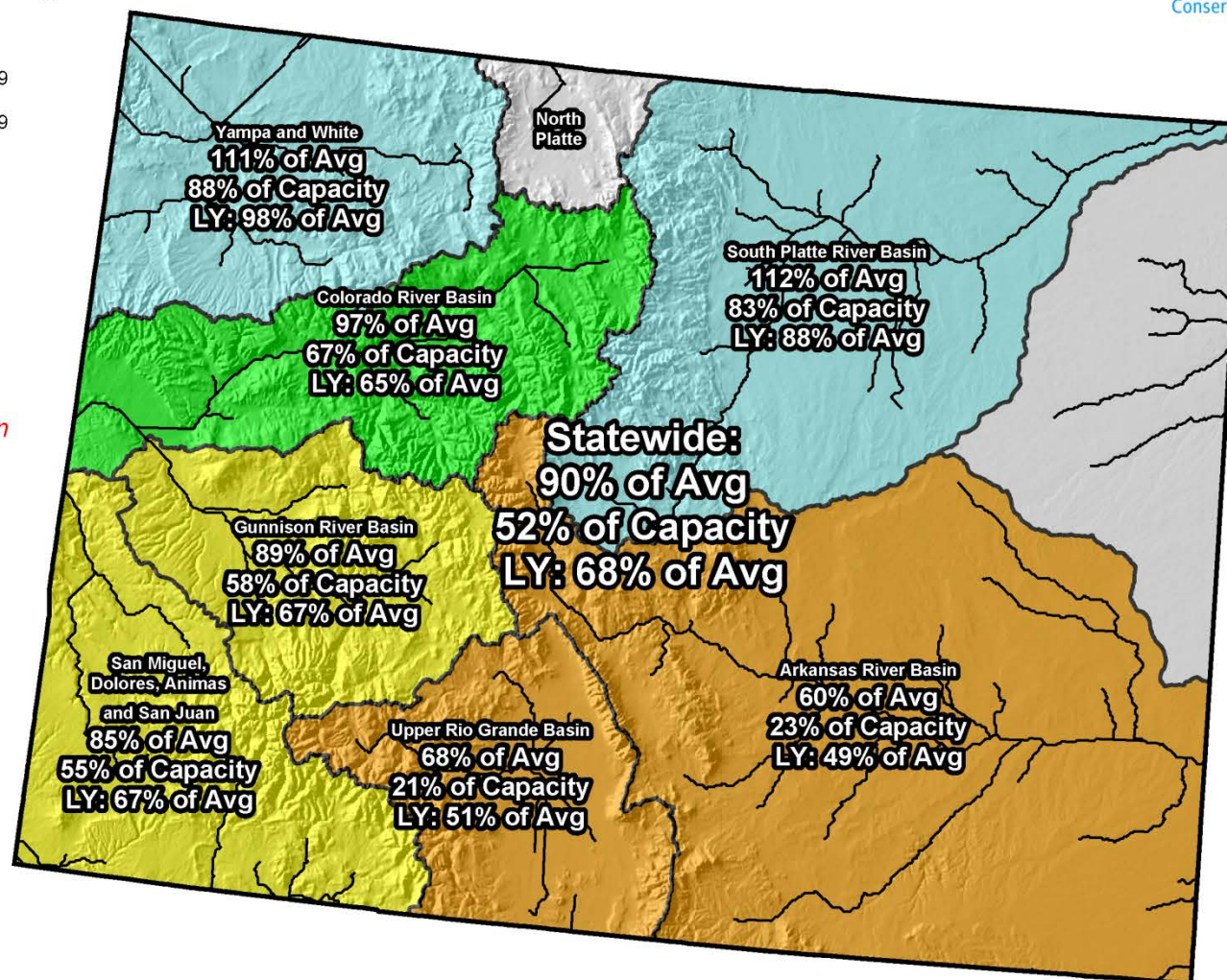
End of January 2014

Colorado Reservoir Storage Map

Percent of Average



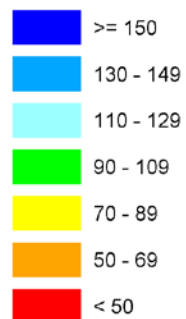
*Provisional Data
Subject to Revision*



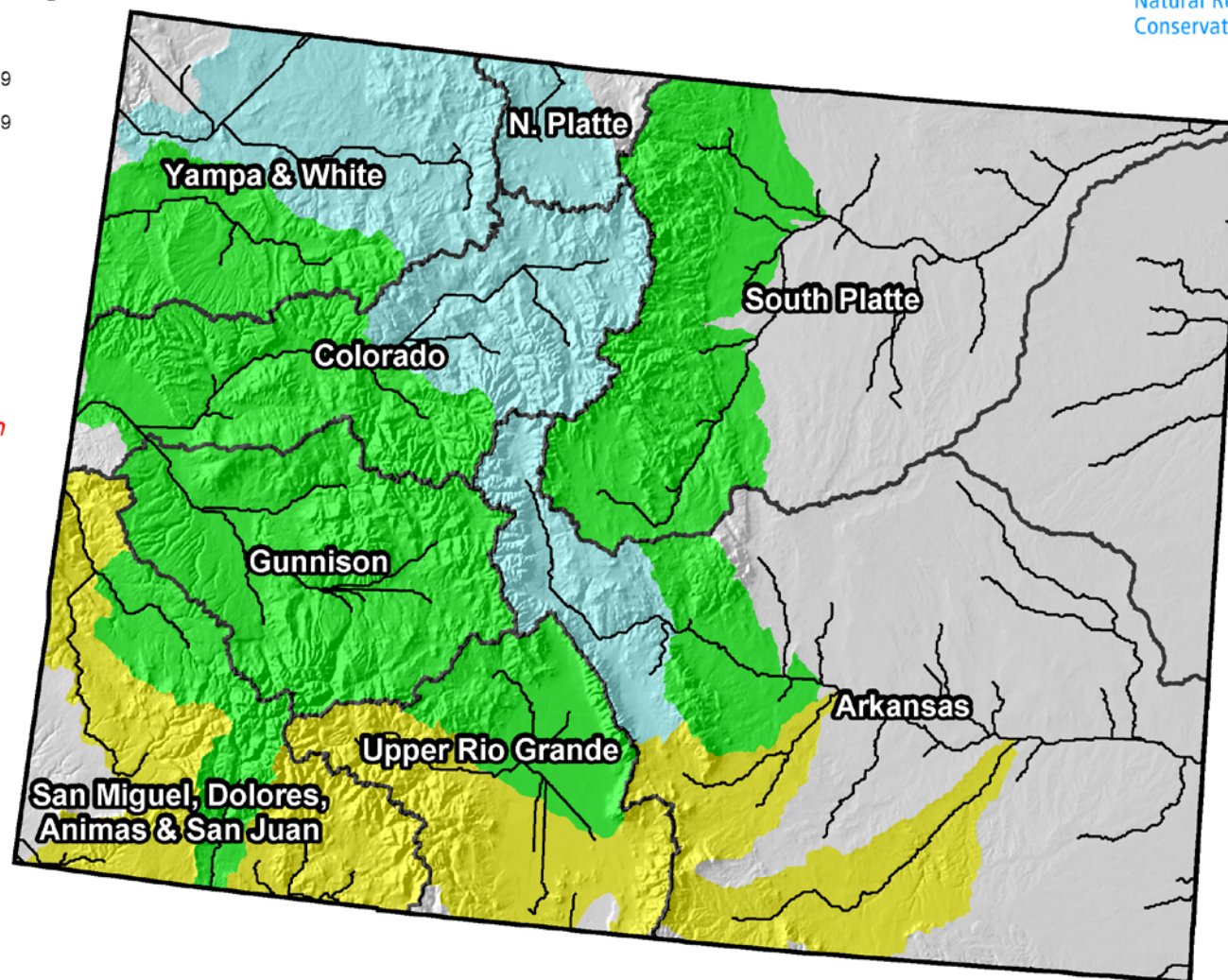
End of February 2014

Colorado Streamflow Forecast Map

Percent of Average



*Provisional Data
Subject to Revision*



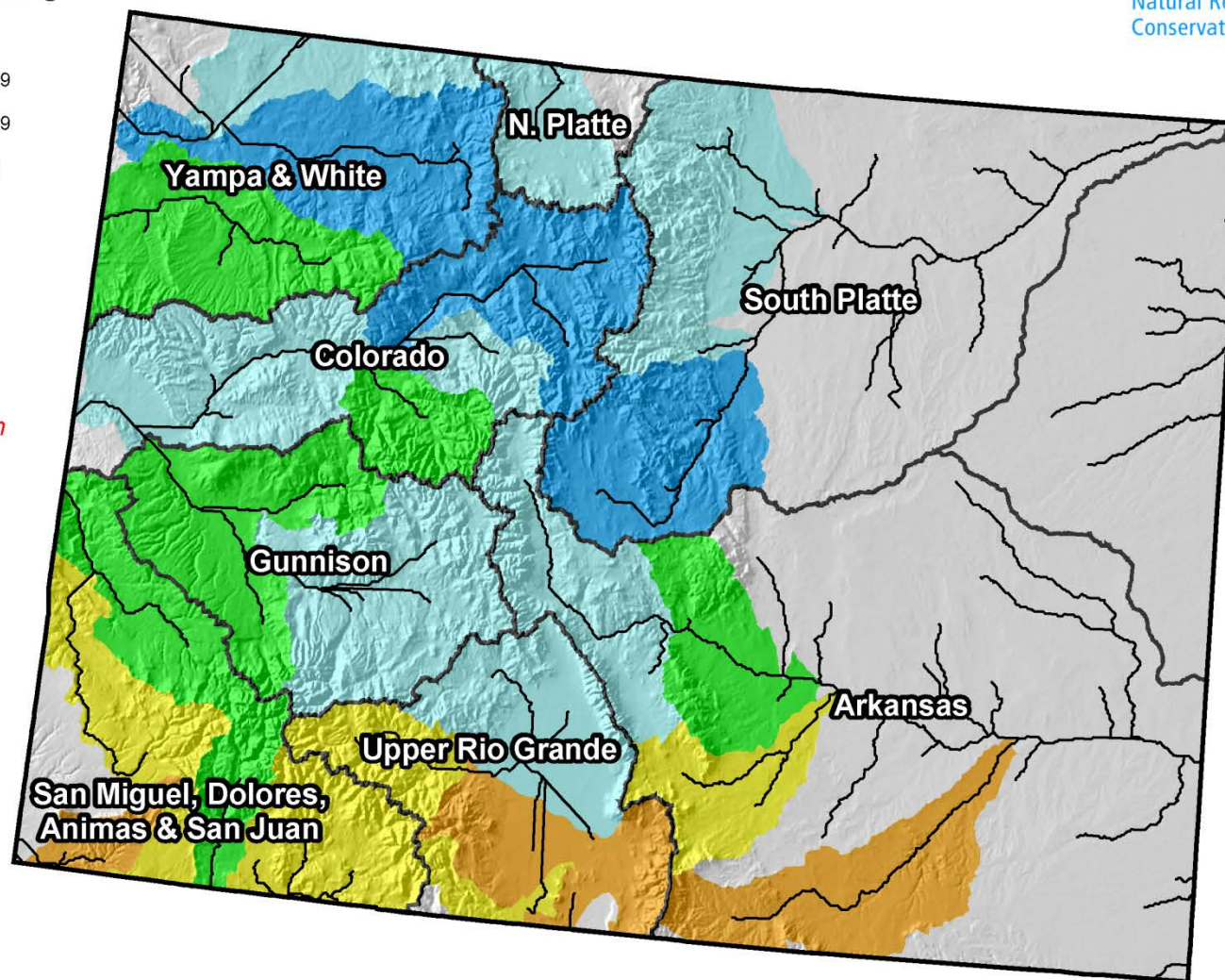
Current as of February 1, 2014

Colorado Streamflow Forecast Map

Percent of Average

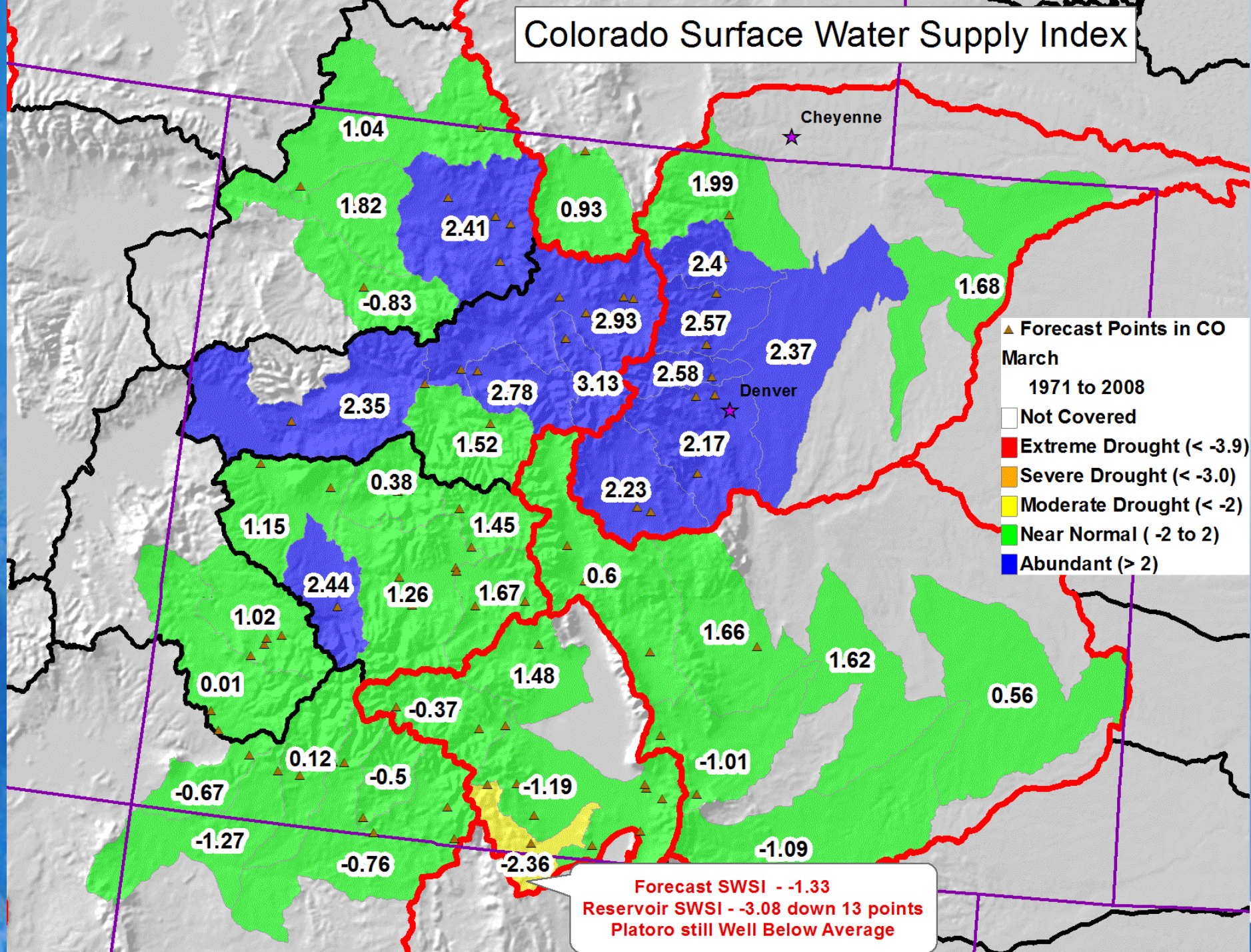


*Provisional Data
Subject to Revision*



Current as of March 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: February statewide precipitation was above normal. All basins benefited from a storm passing through at the end of the month.
- MAR: March so far has been drier in the northern basins. Again the state is split with respect to water supply conditions, the north being wet and the south being dry.