

NRCS – Snow Survey & Water Supply Forecasting

Water Availability Task Force Meeting July 18th, 2013

Mage Hultstrand

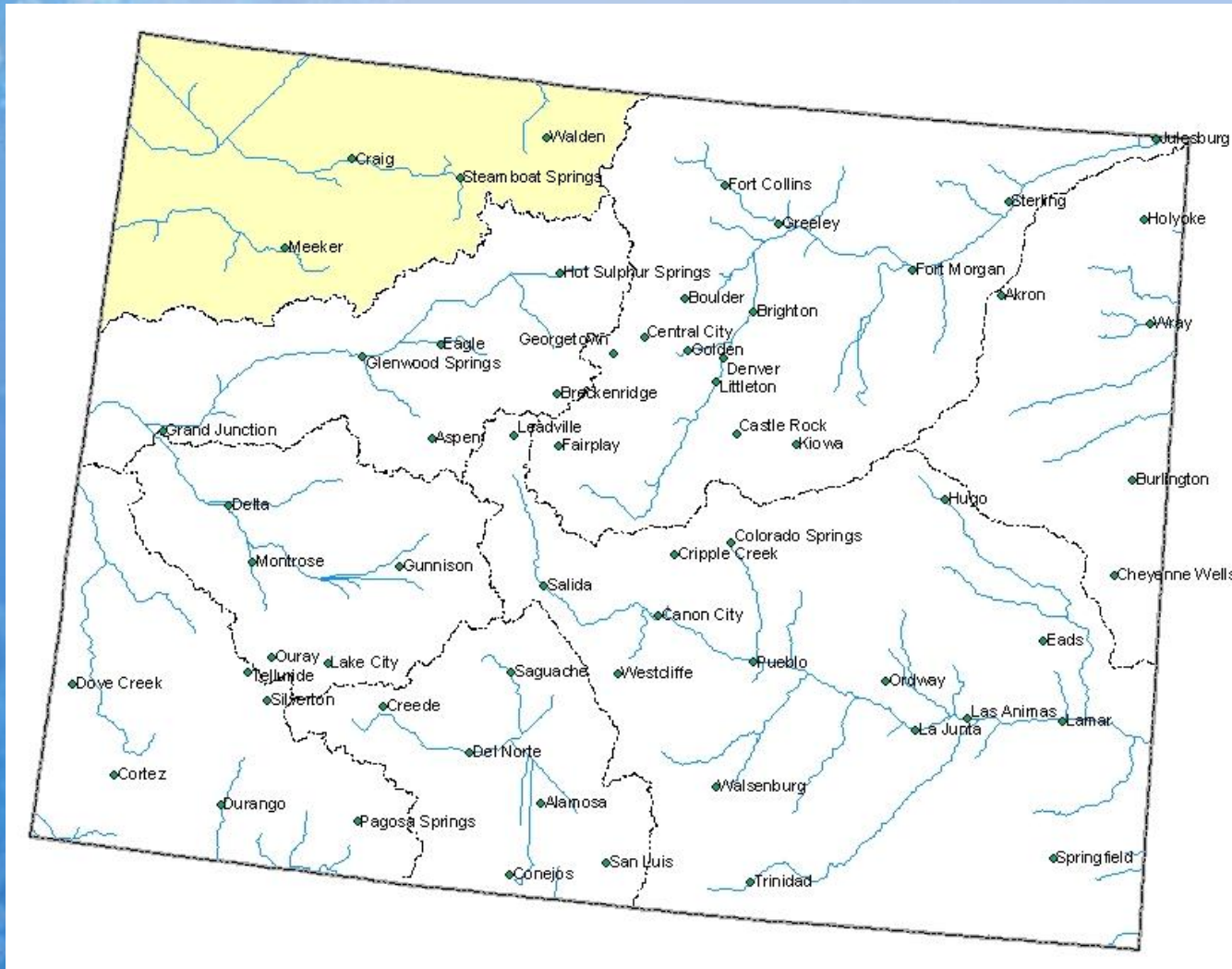
Assistant Snow Survey Supervisor

720-544-2855

mage.hultstrand@co.usda.gov

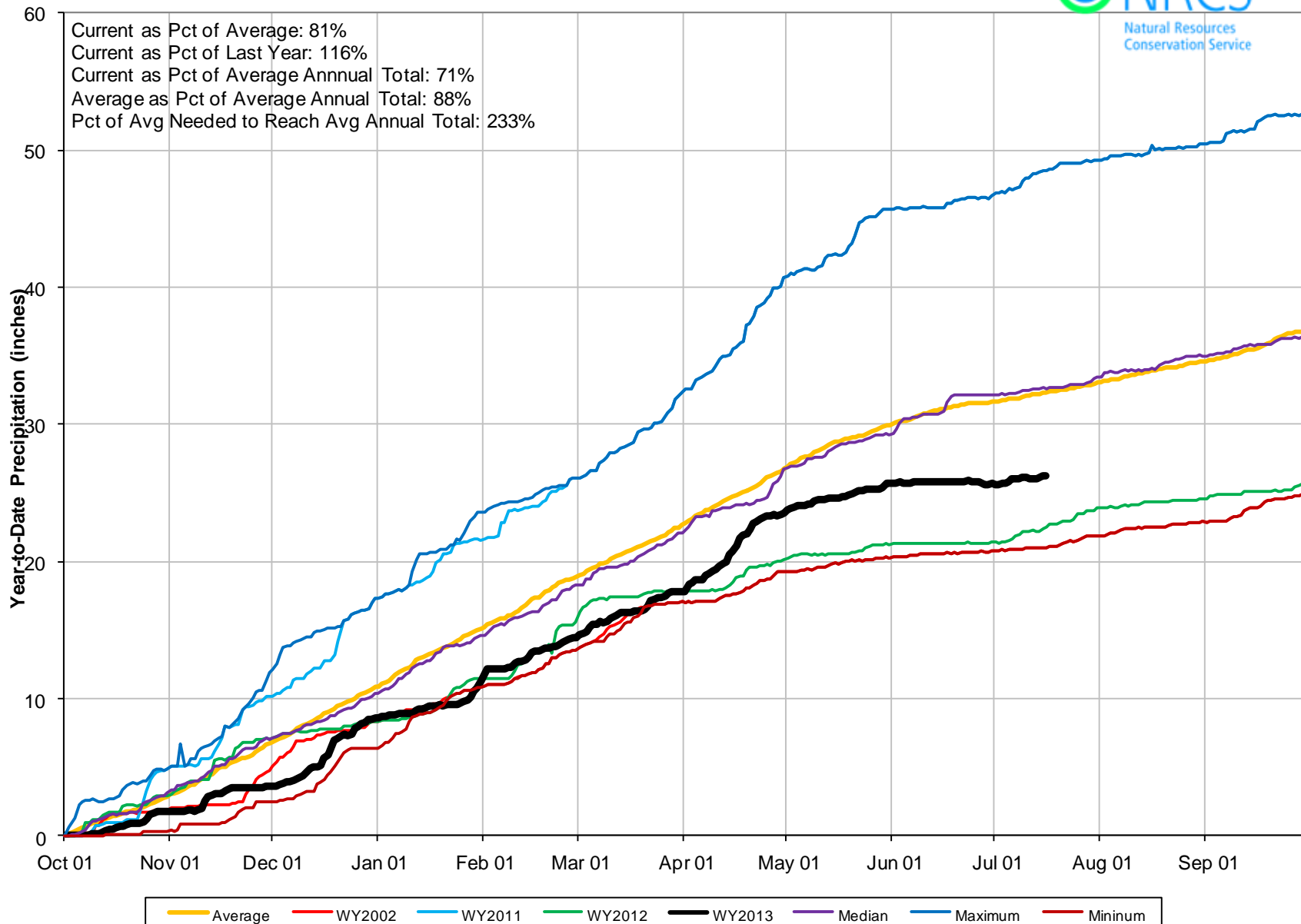
<http://www.co.nrcs.usda.gov/snow/>

Yampa, White & North Platte River Basins Summary



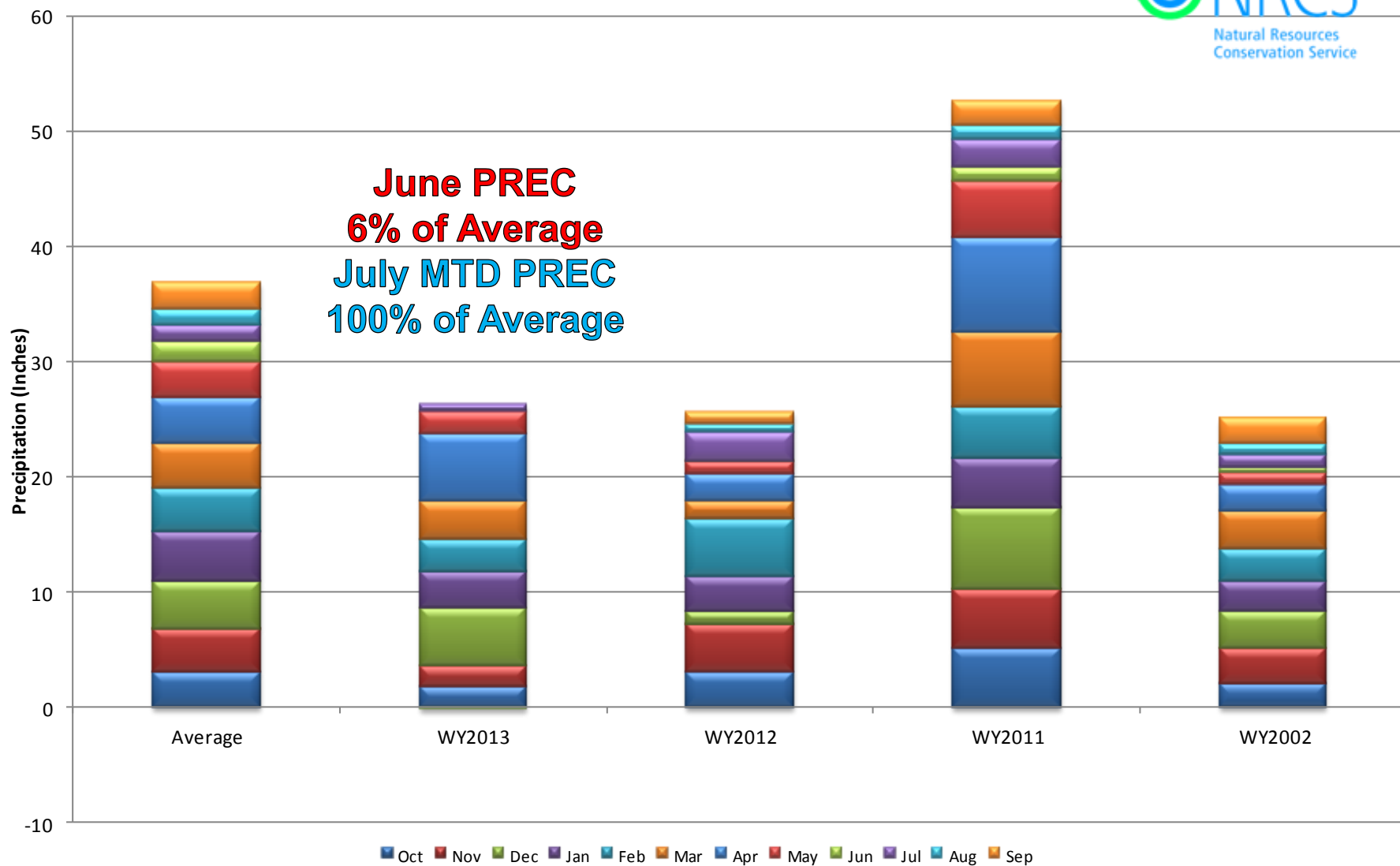
Yampa and White River Basins High/Low Year-to-Date Precipitation Summary

Based on Provisional SNOTEL data as of Jul 16, 2013



Yampa and White River Basins High/Low Monthly Precipitation Summary

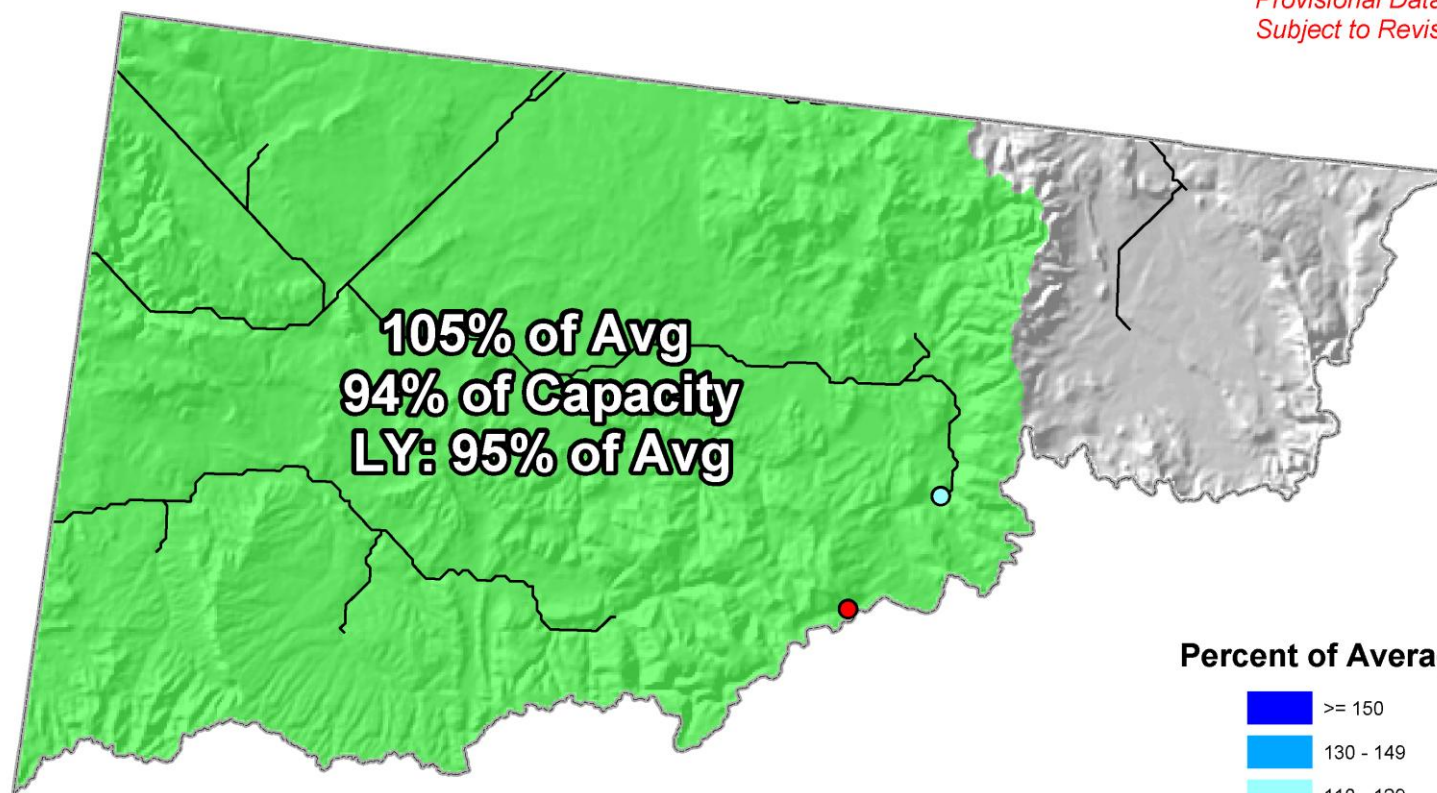
Based on Provisional SNOTEL data as of Jul 16, 2013



Yampa & White River Basins Reservoir Storage Map



*Provisional Data
Subject to Revision*

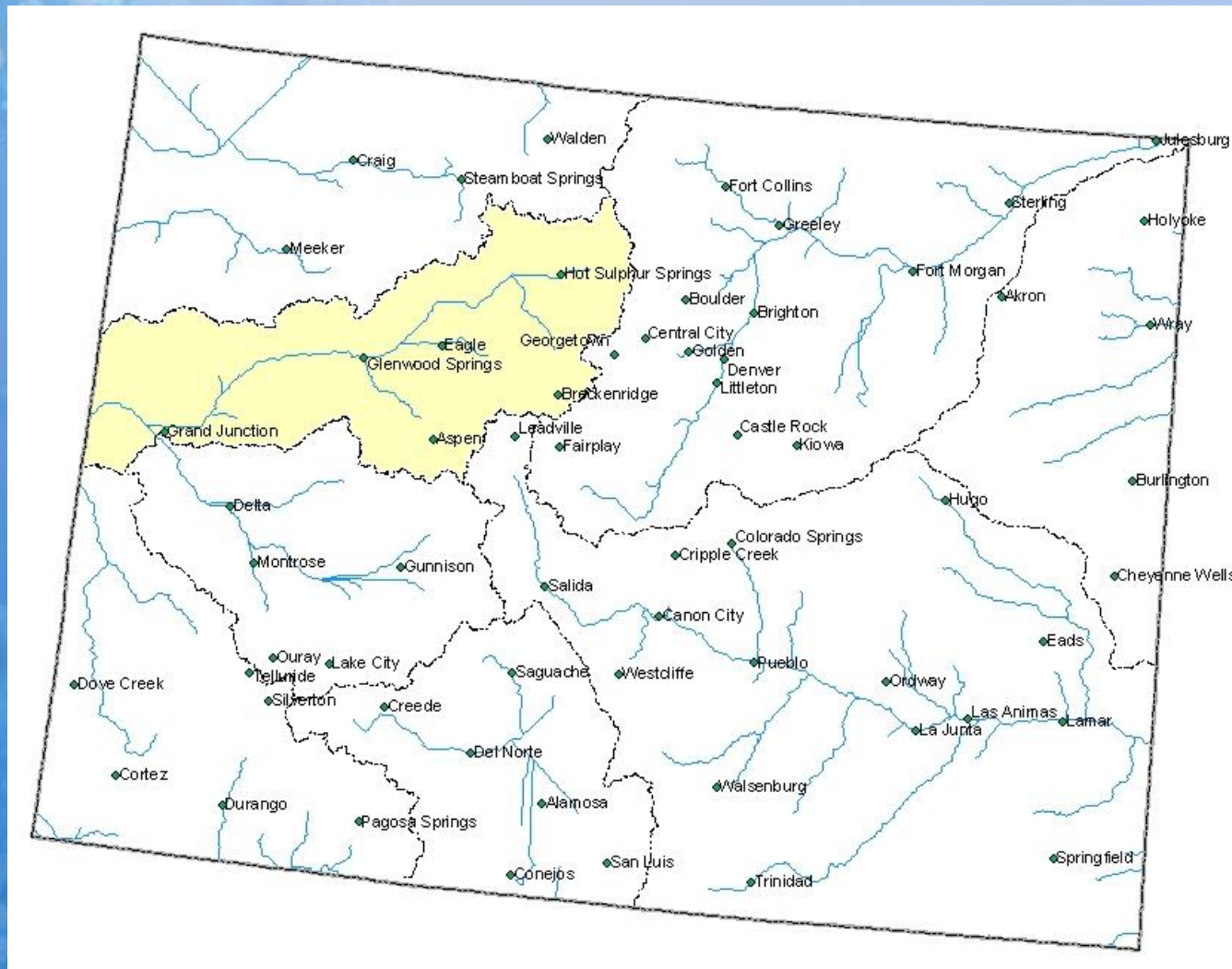


Percent of Average



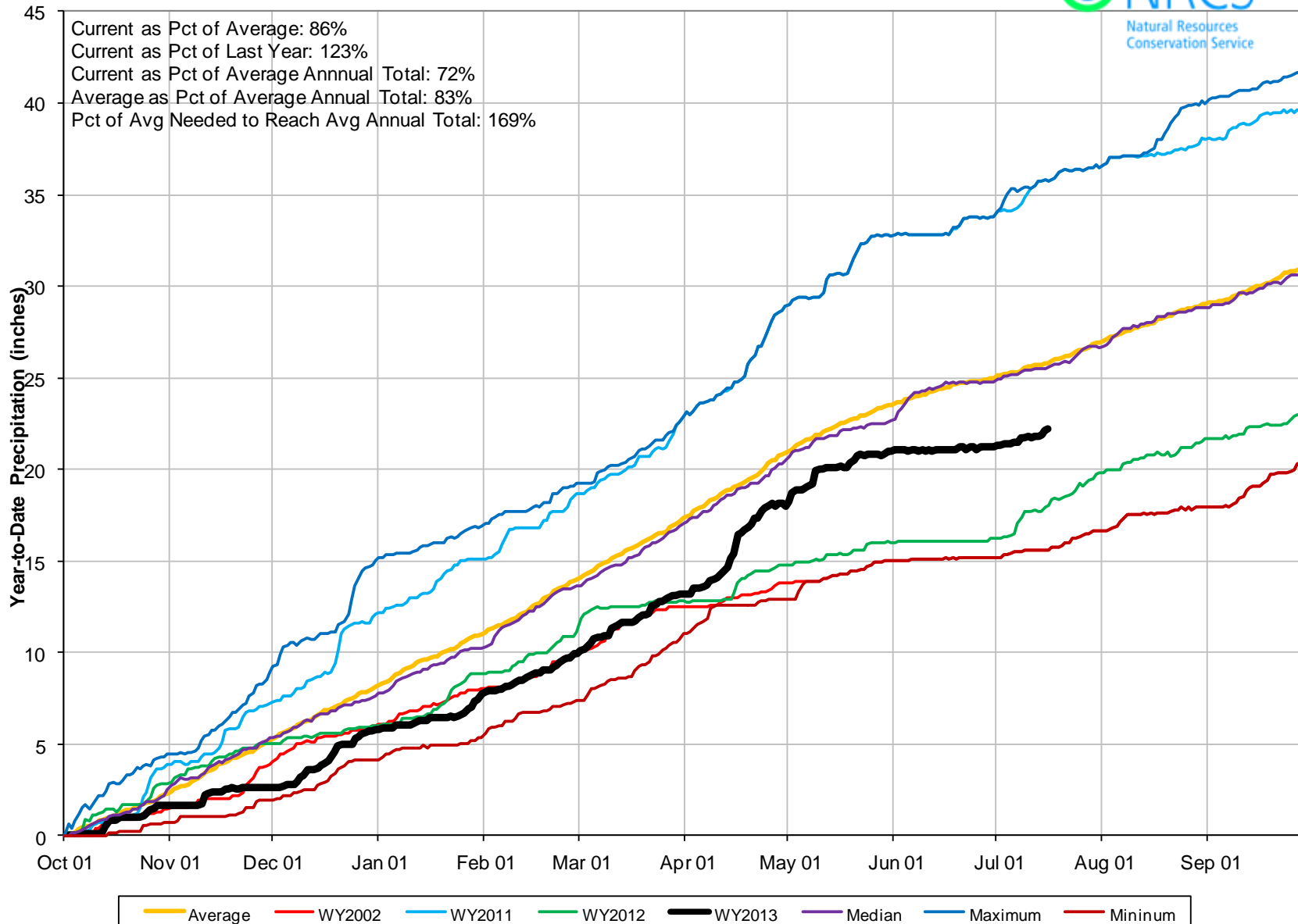
End of June 2013

Colorado River Basin Summary



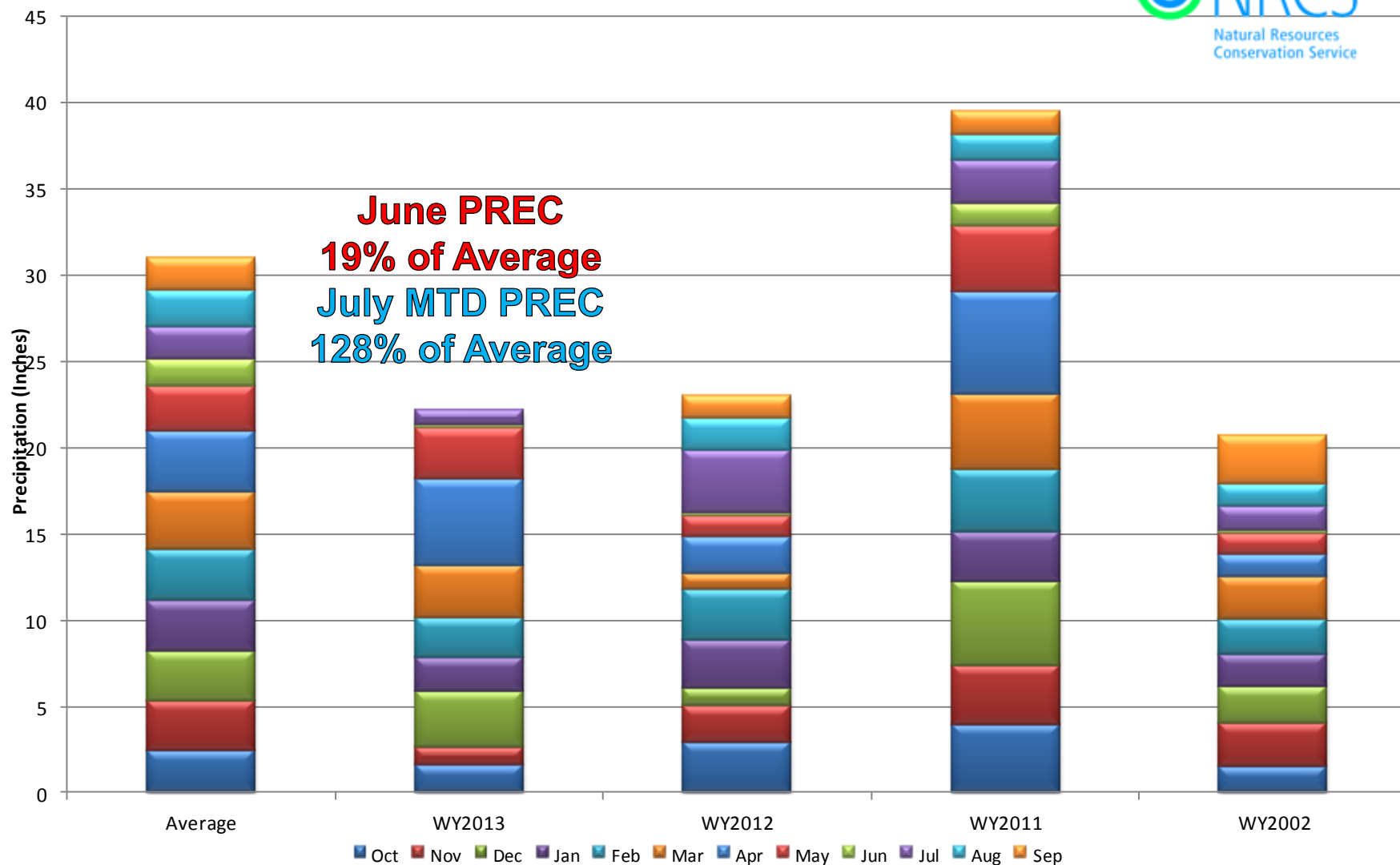
Upper Colorado River Basin High/Low Year-to-Date Precipitation Summary

Based on Provisional SNOTEL data as of Jul 16, 2013



Upper Colorado River Basin High/Low Monthly Precipitation Summary

Based on Provisional SNOTEL data as of Jul 16, 2013



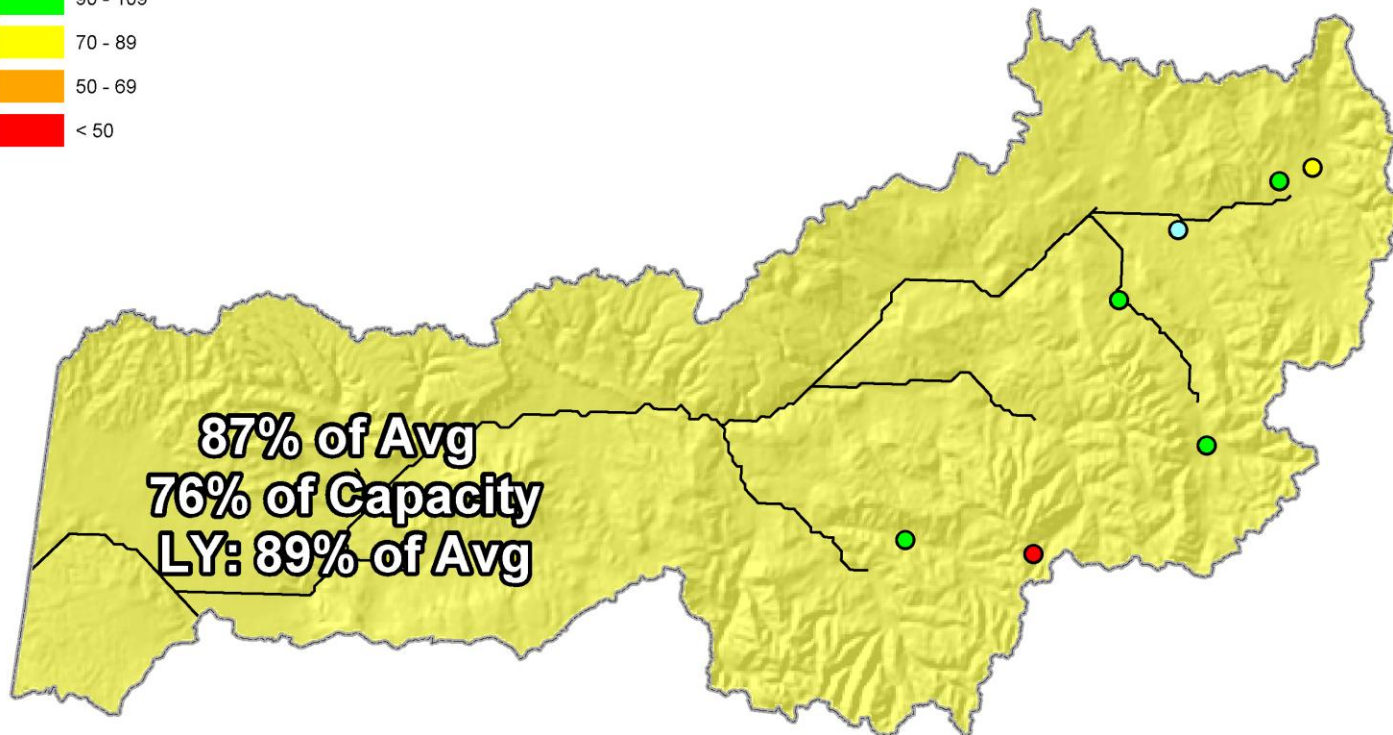
Colorado River Basin Reservoir Storage Map



Percent of Average

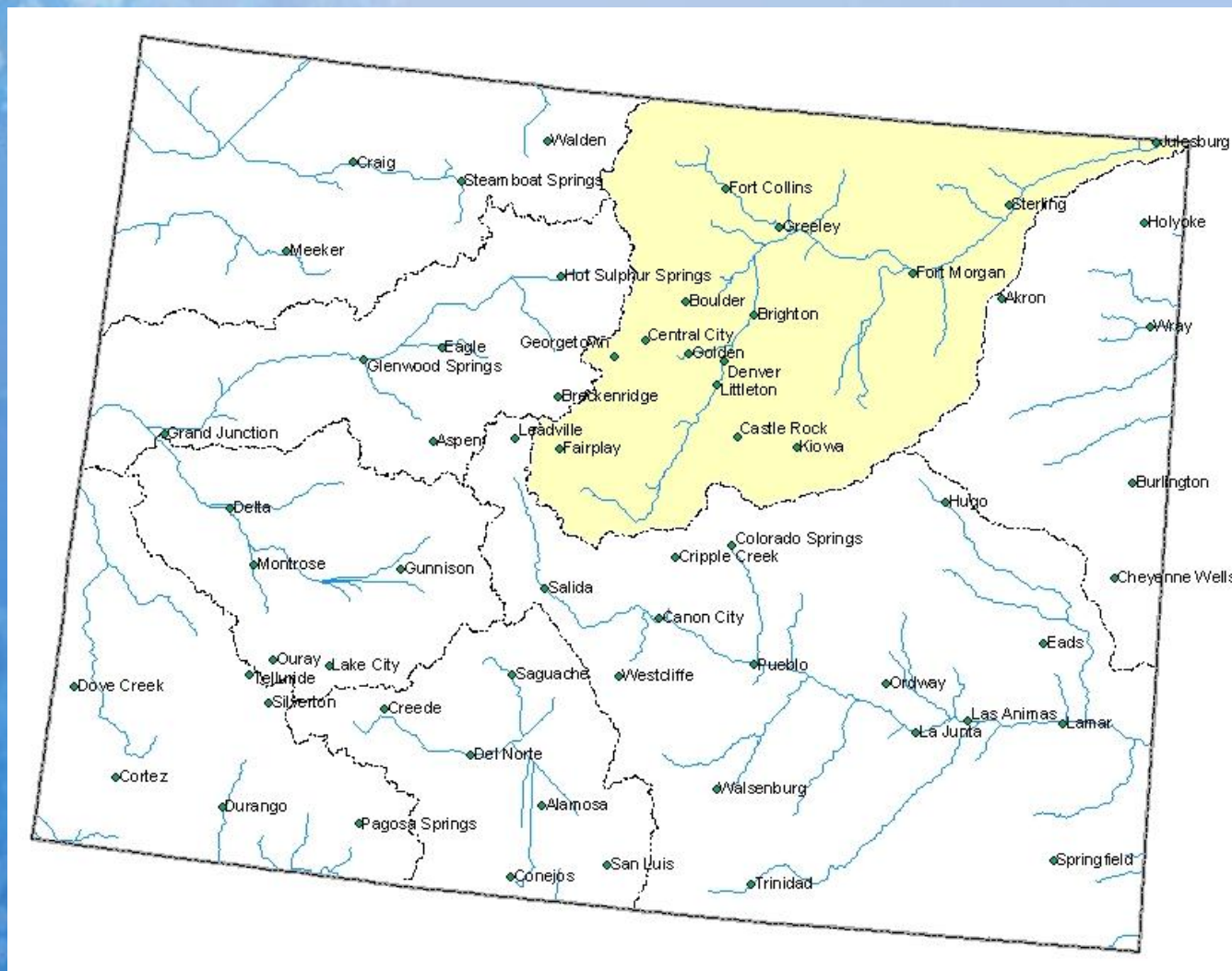


*Provisional Data
Subject to Revision*



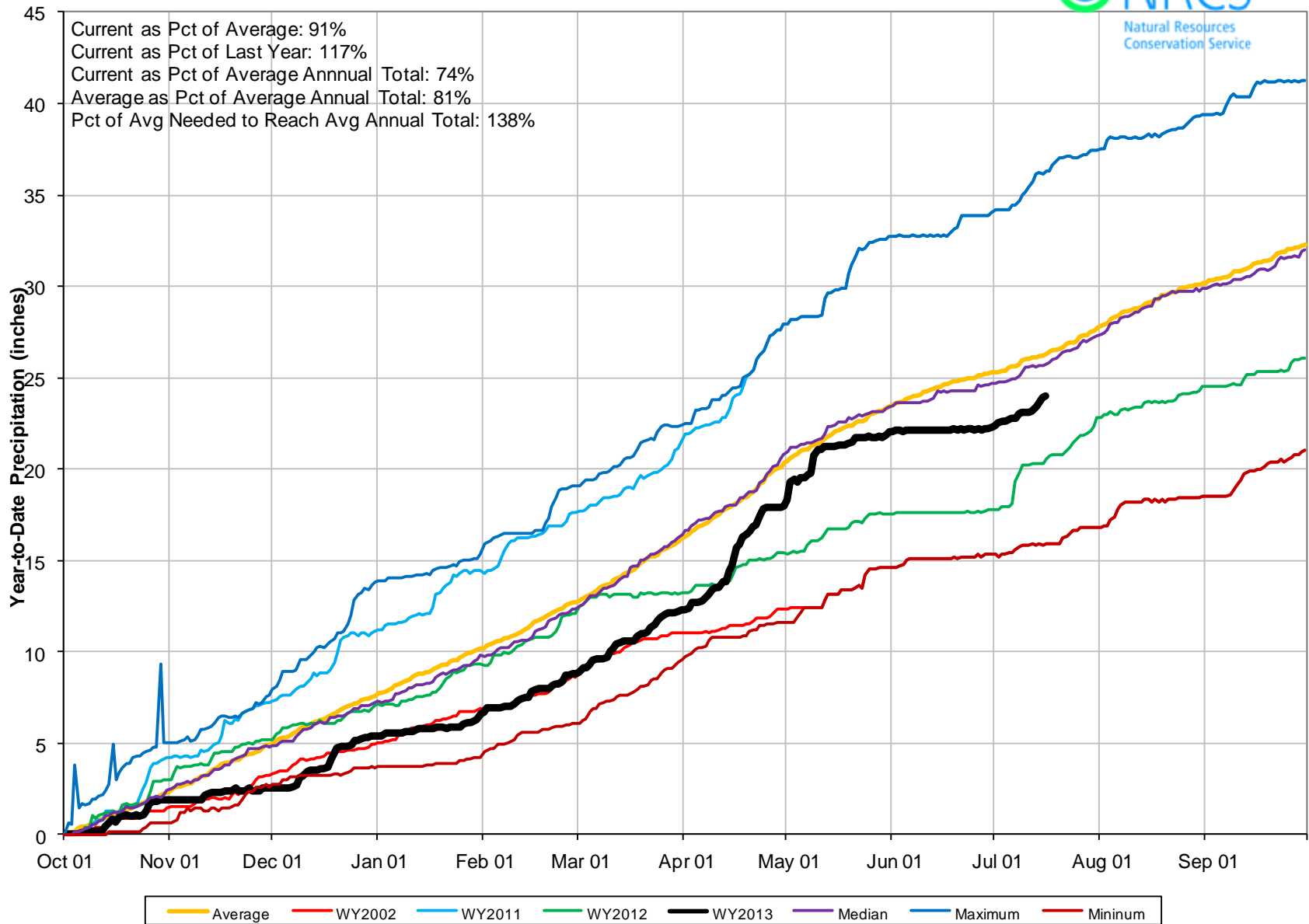
End of June 2013

South Platte River Basin Summary



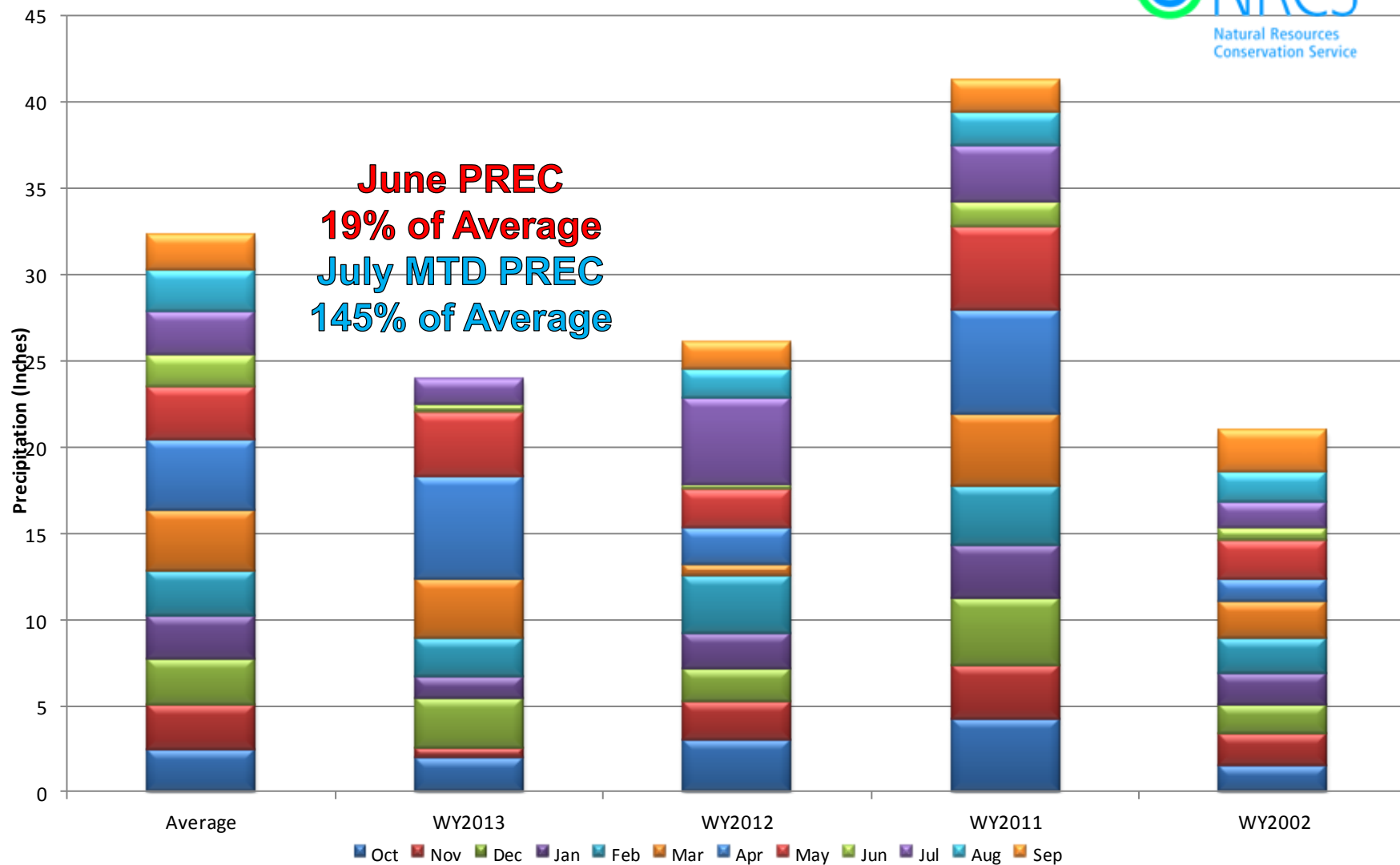
South Platte River Basin High/Low Year-to-Date Precipitation Summary

Based on Provisional SNOTEL data as of Jul 16, 2013



South Platte River Basin High/Low Monthly Precipitation Summary

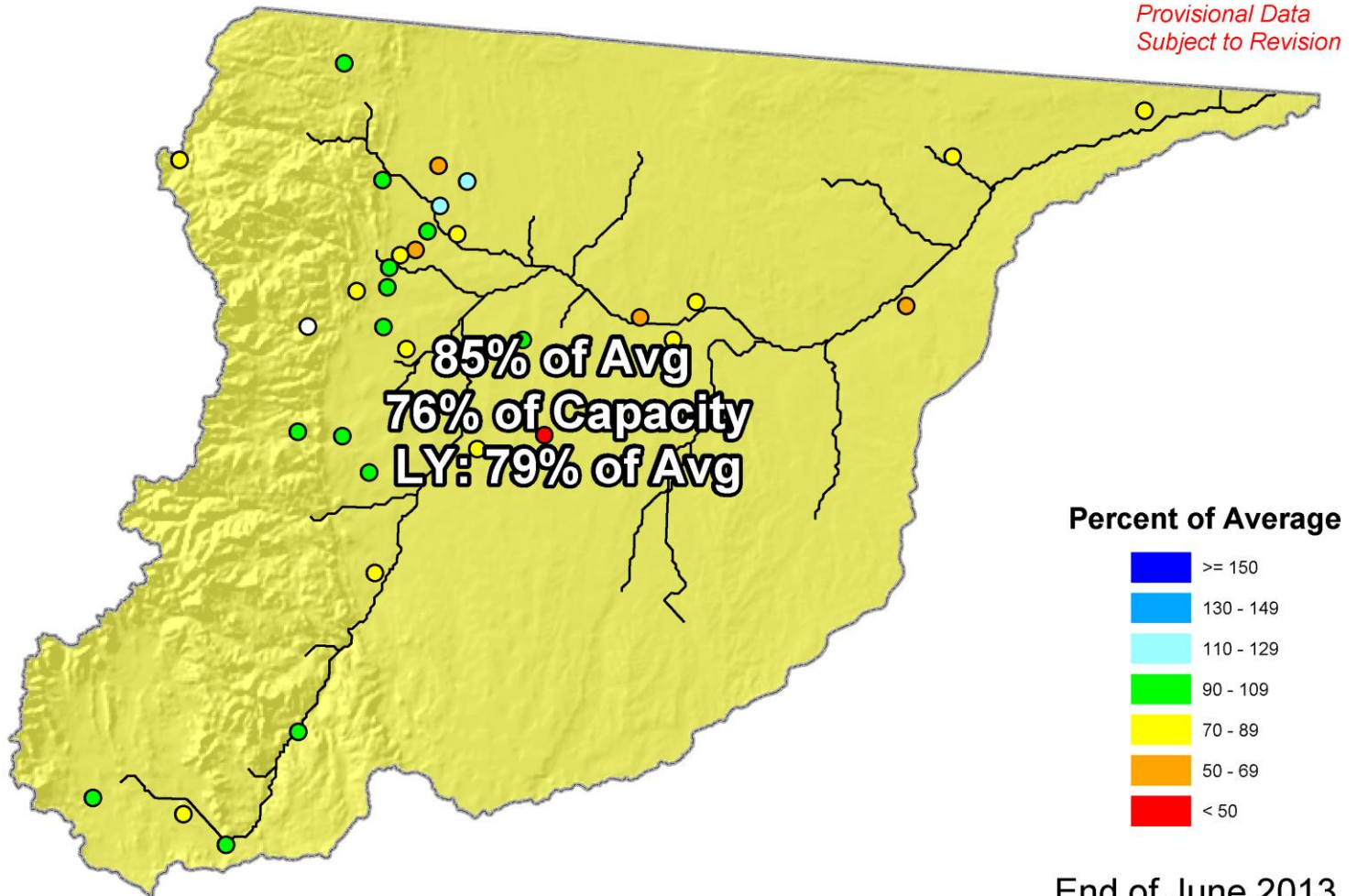
Based on Provisional SNOTEL data as of Jul 17, 2013



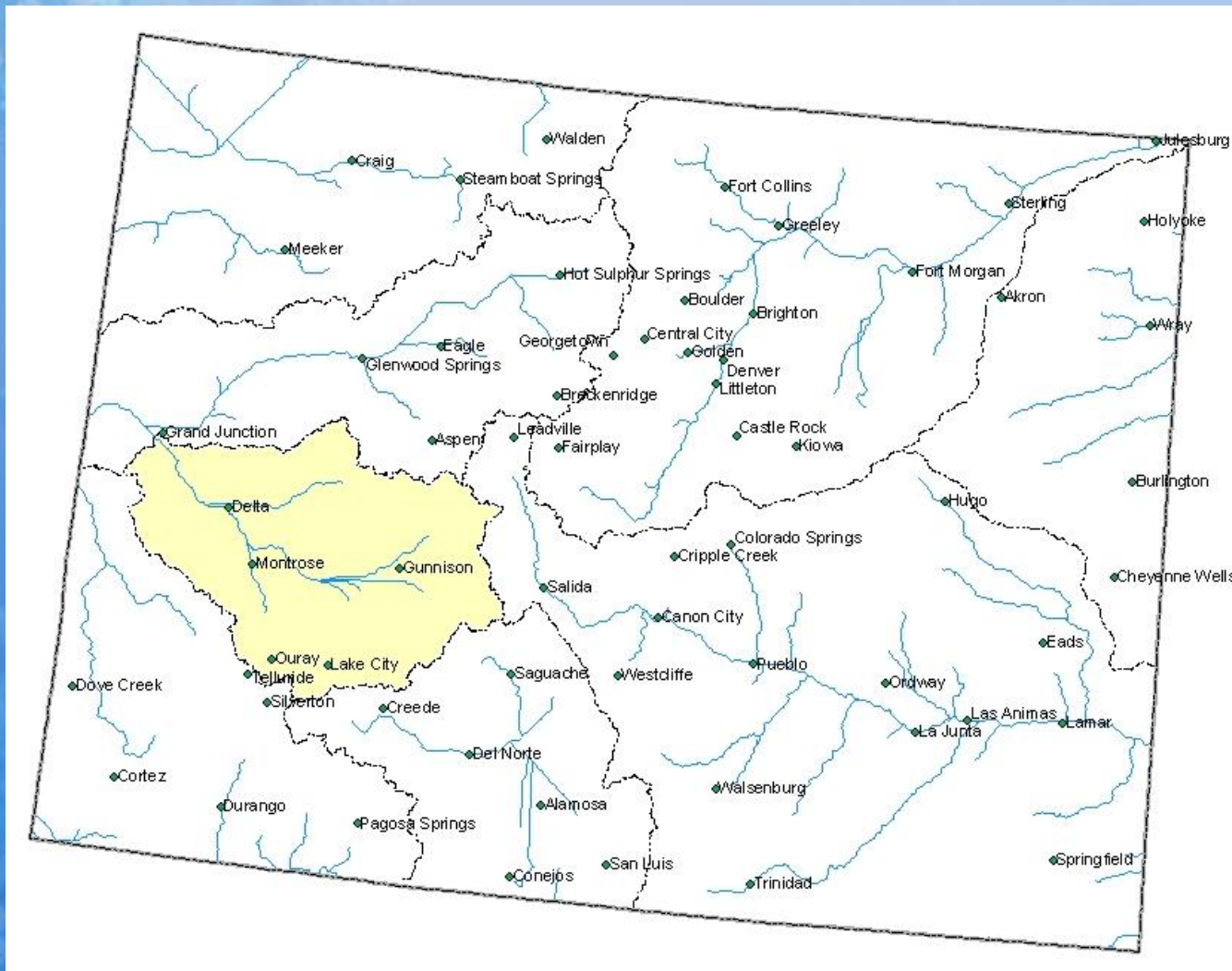
South Platte River Basin Reservoir Storage Map



*Provisional Data
Subject to Revision*

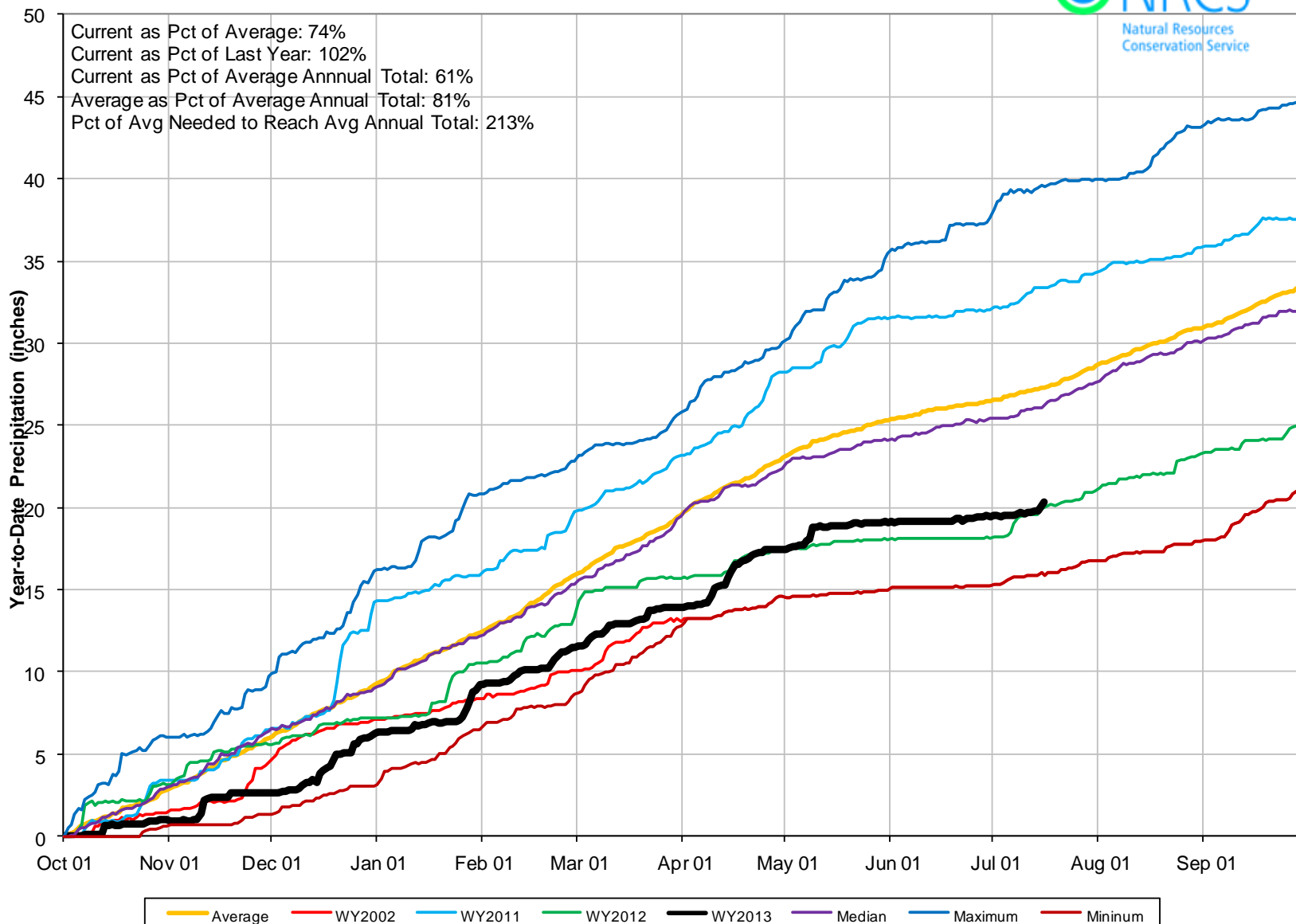


Gunnison River Basin Summary



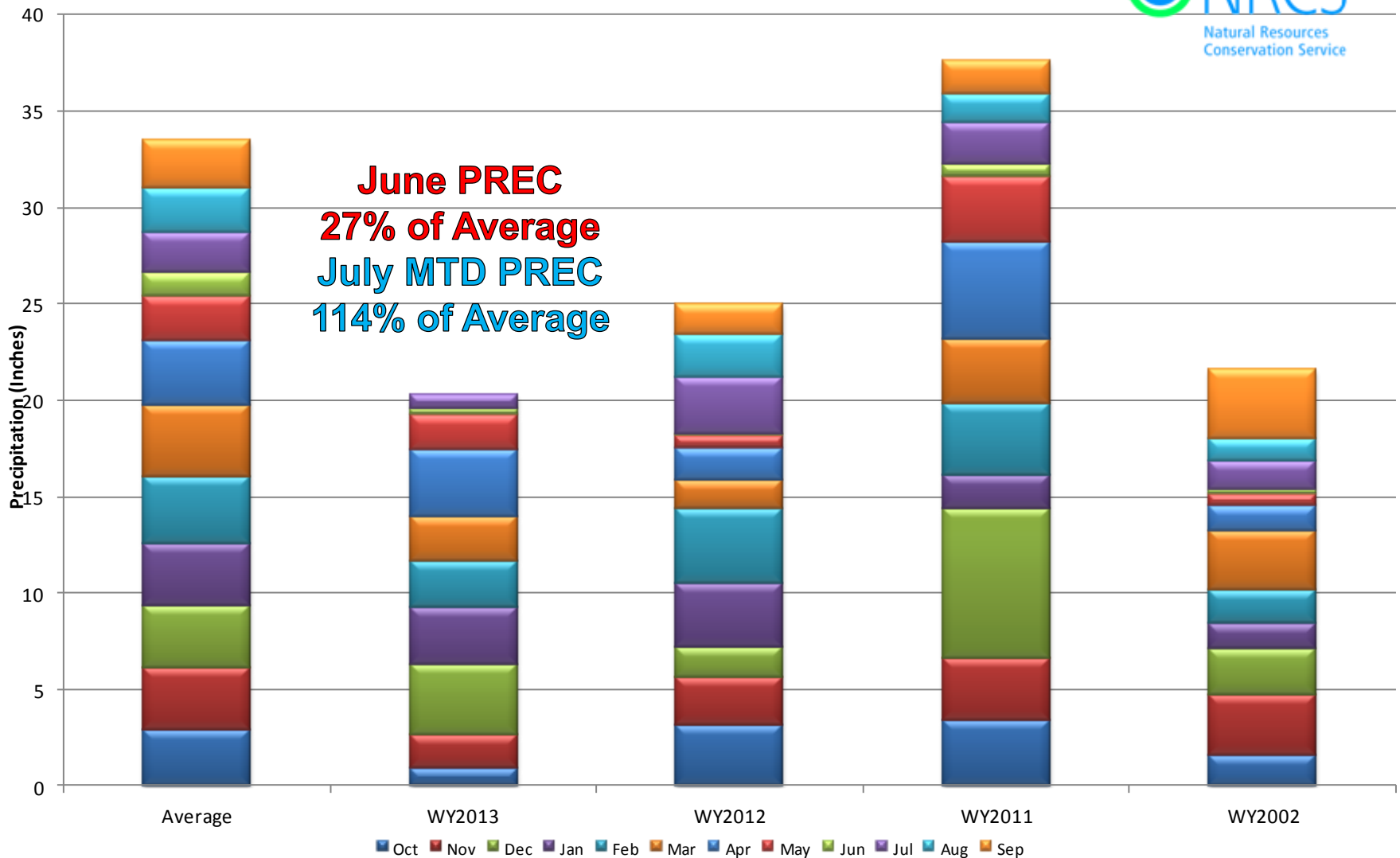
Gunnison River Basin High/Low Year-to-Date Precipitation Summary

Based on Provisional SNOTEL data as of Jul 16, 2013



Gunnison River Basin High/Low Monthly Precipitation Summary

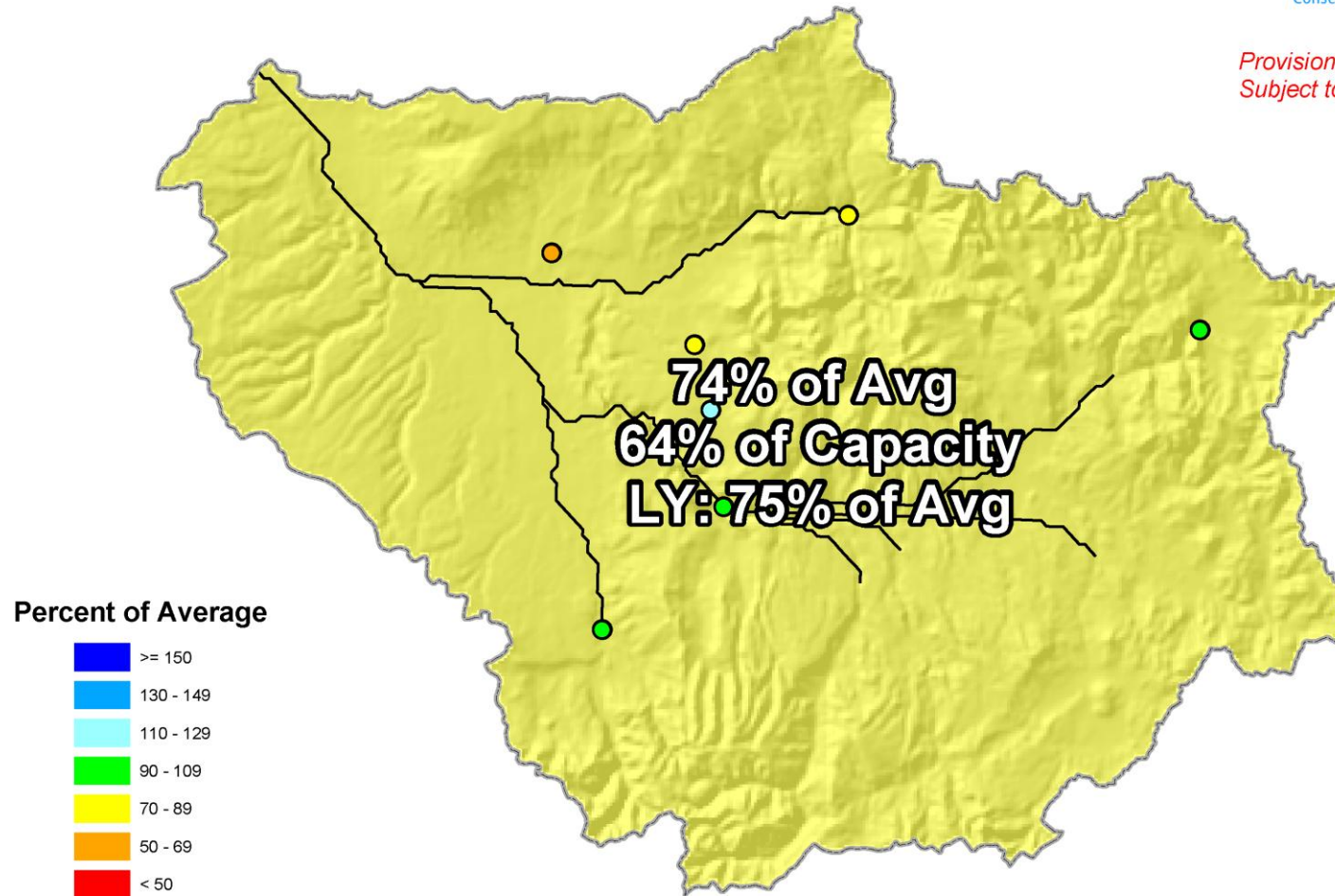
Based on Provisional SNOTEL data as of Jul 16, 2013



Gunnison River Basin Reservoir Storage Map

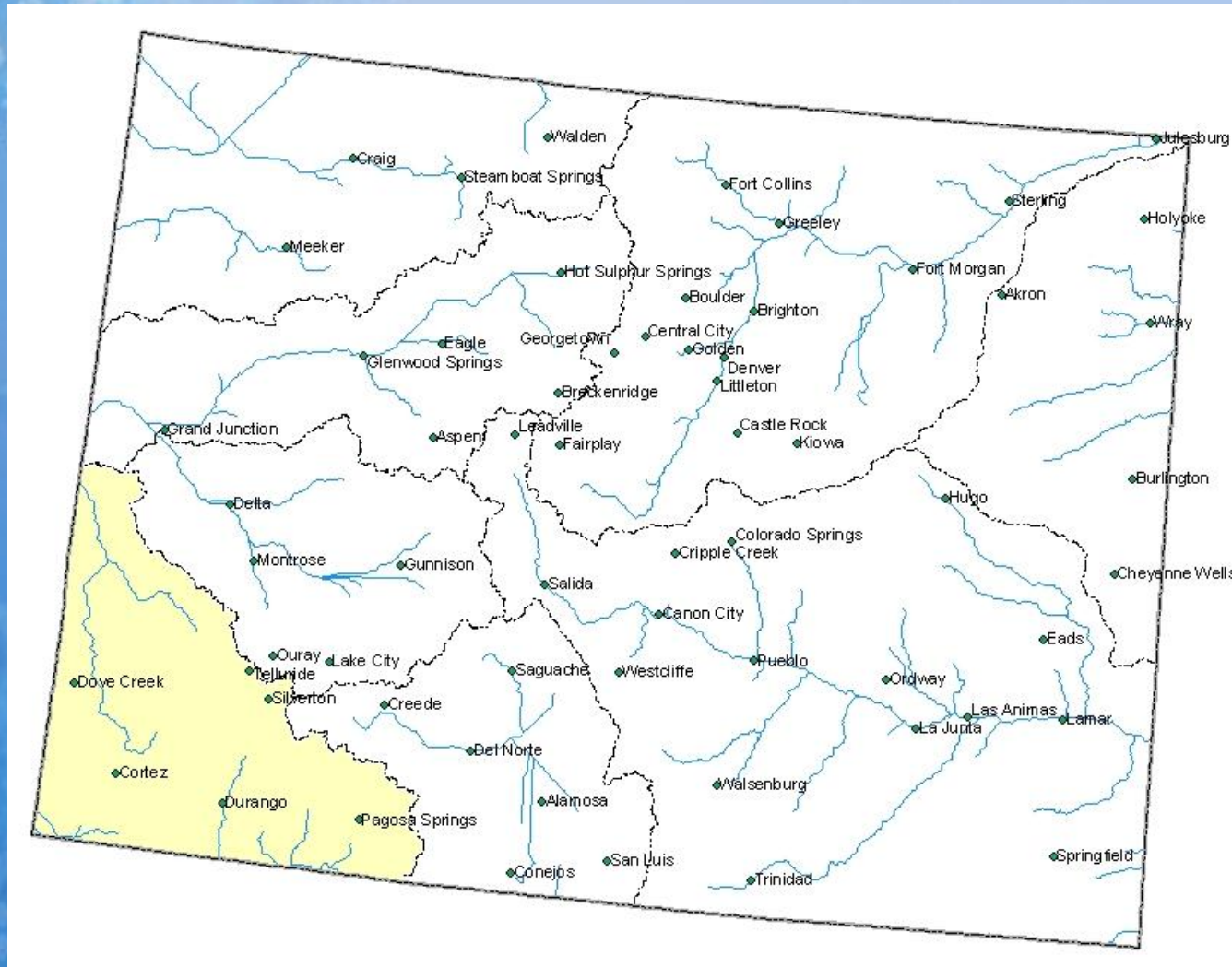


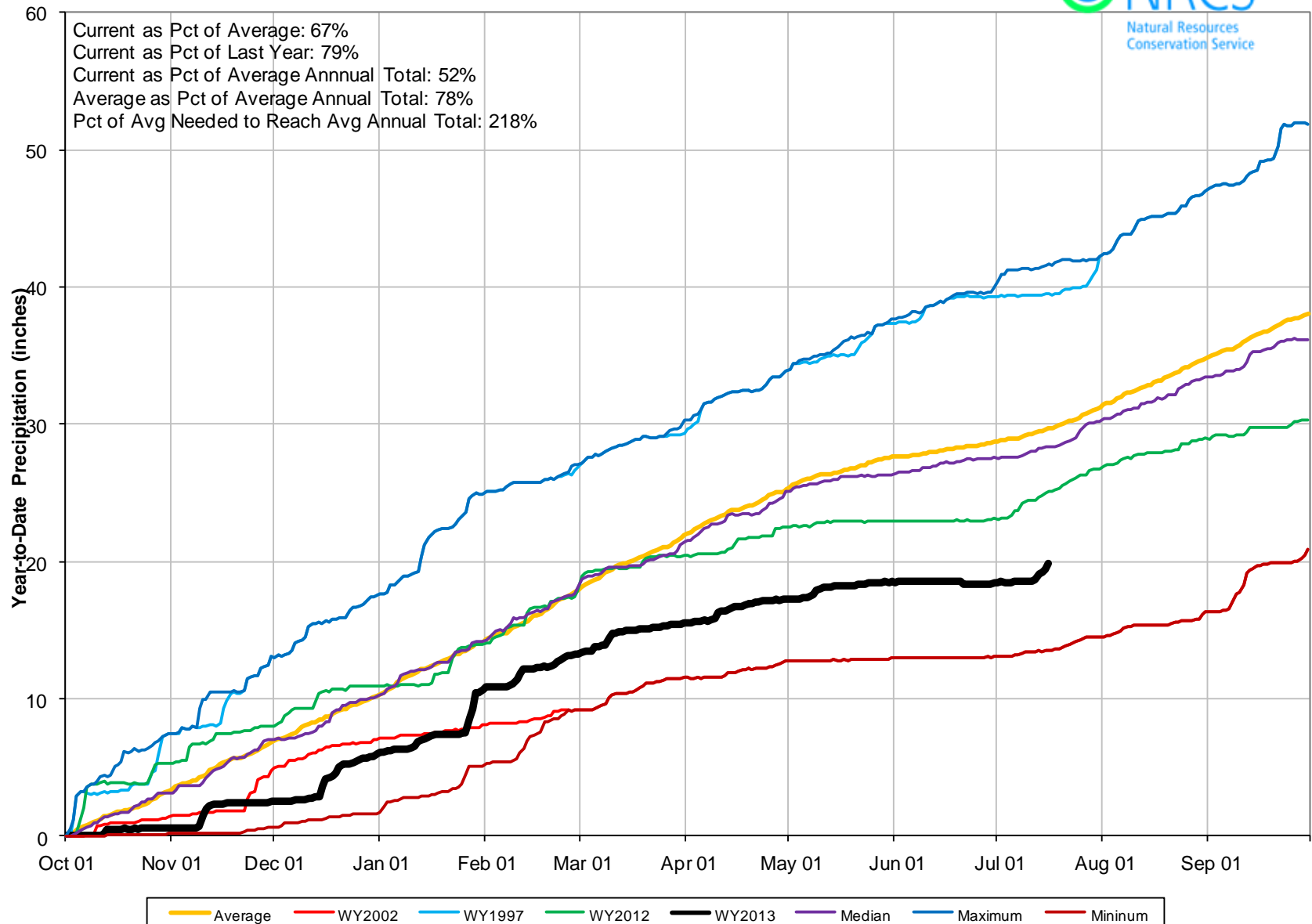
*Provisional Data
Subject to Revision*



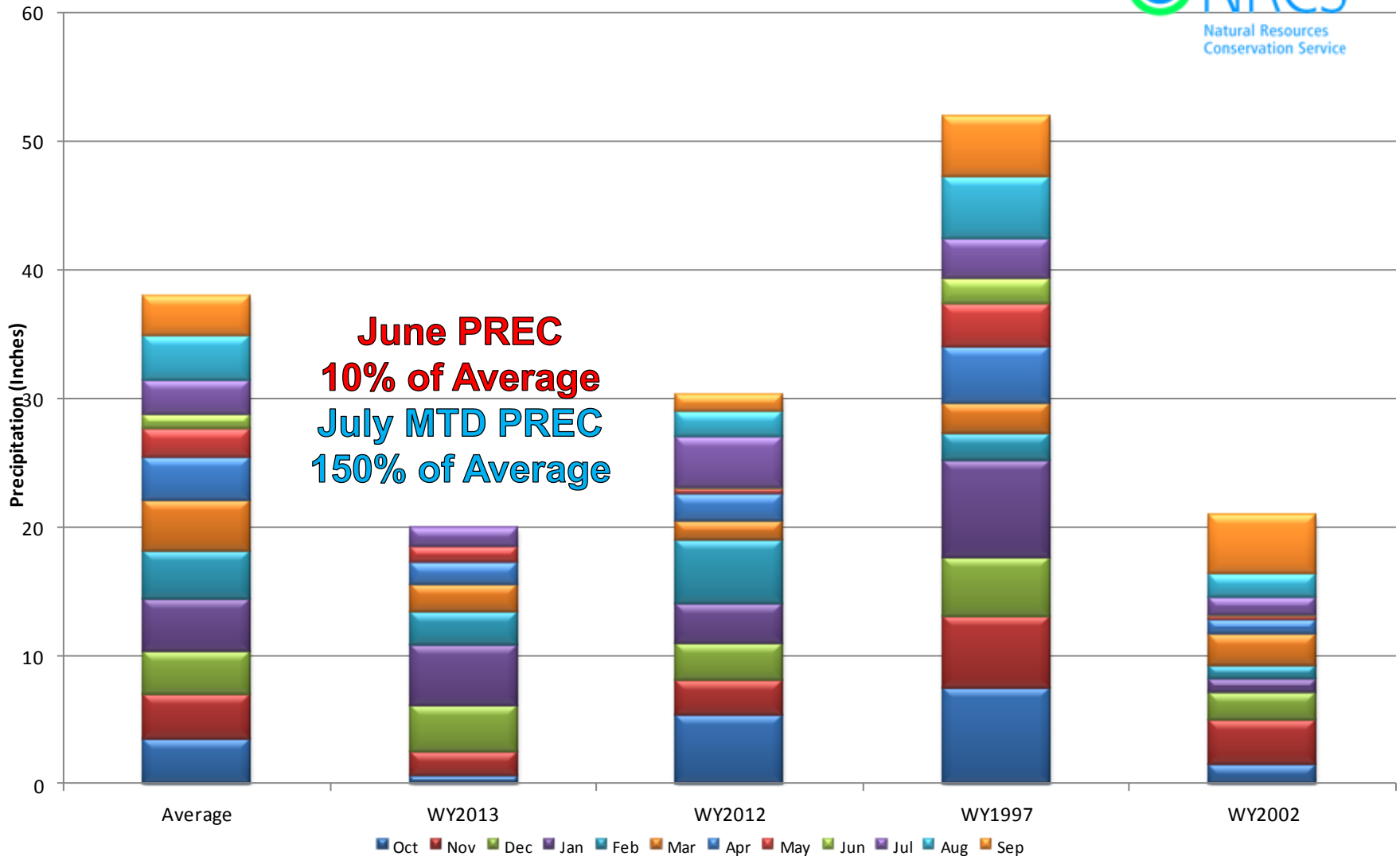
End of June 2013

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





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



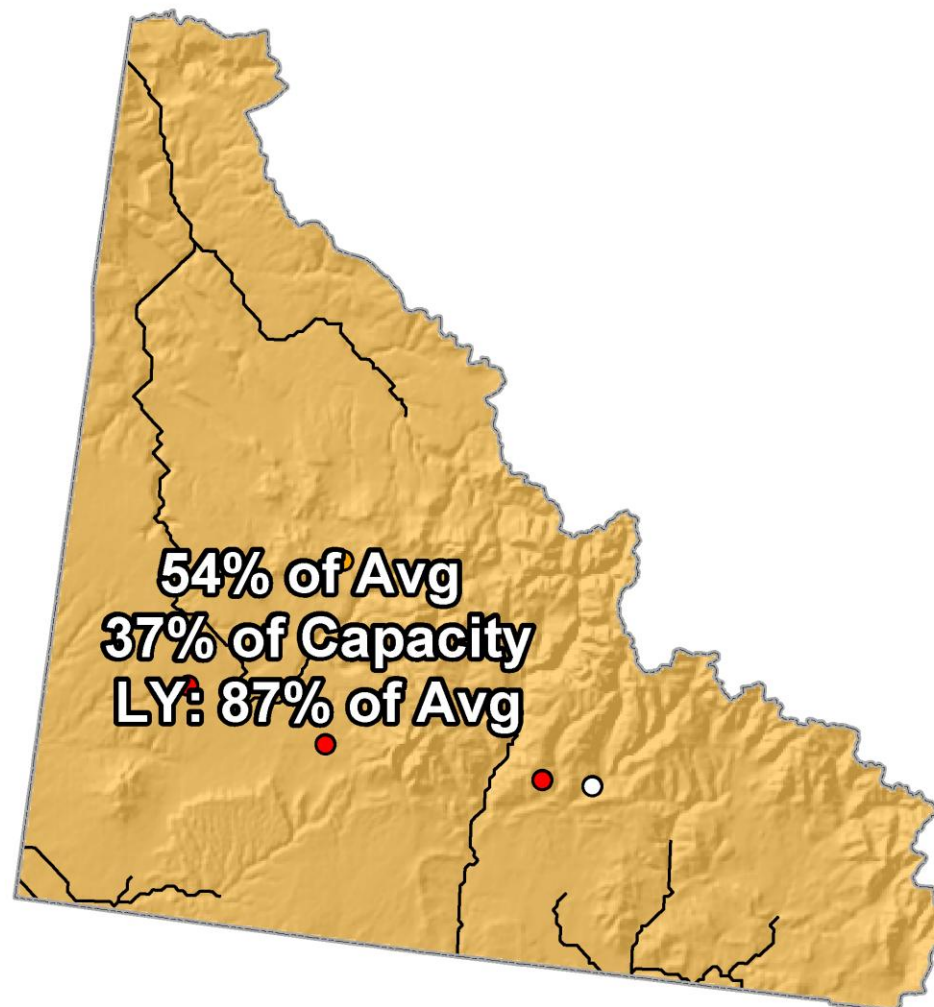
San Miguel, Dolores, Animas and San Juan River Basins Reservoir Storage Map



Percent of Average

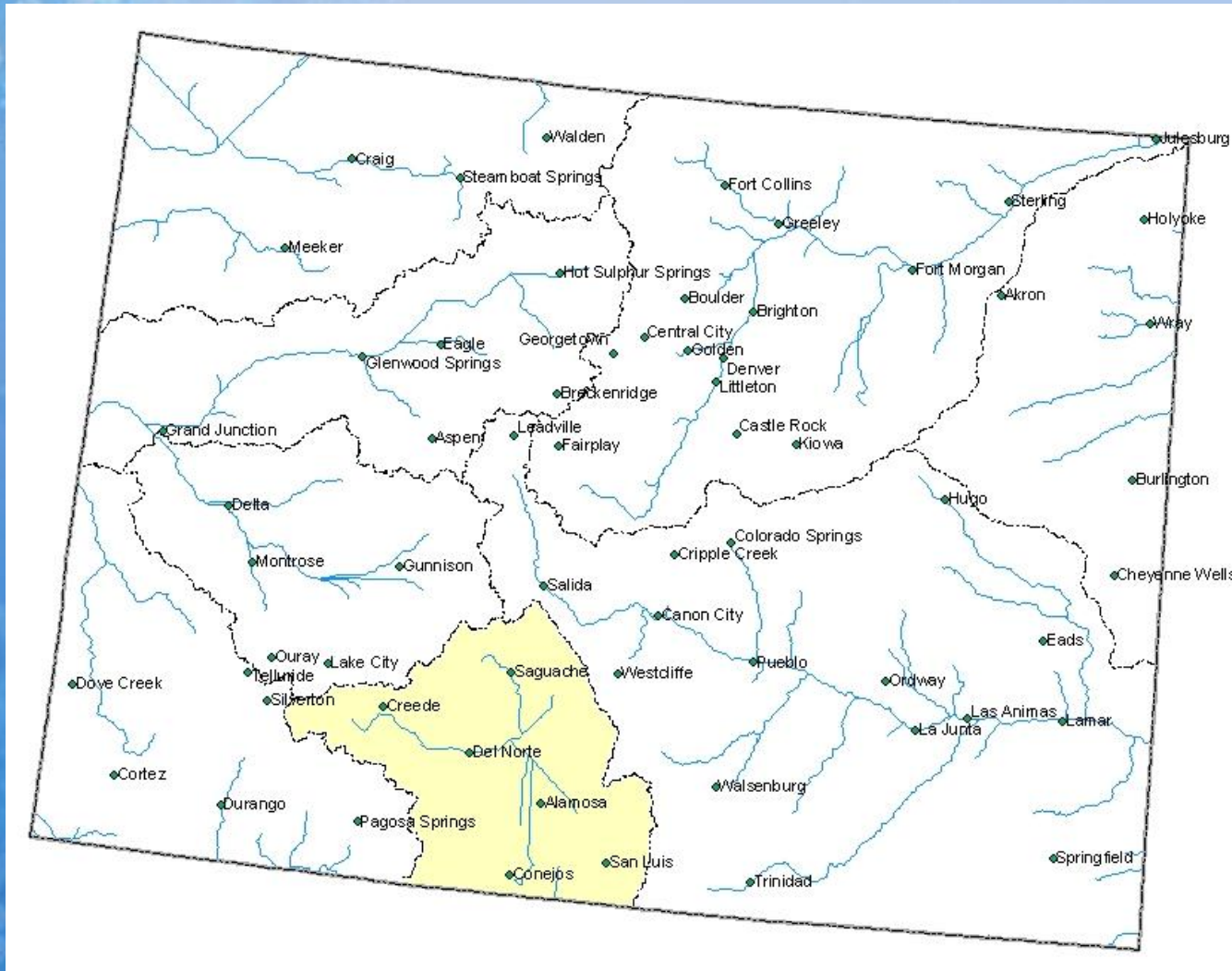


*Provisional Data
Subject to Revision*



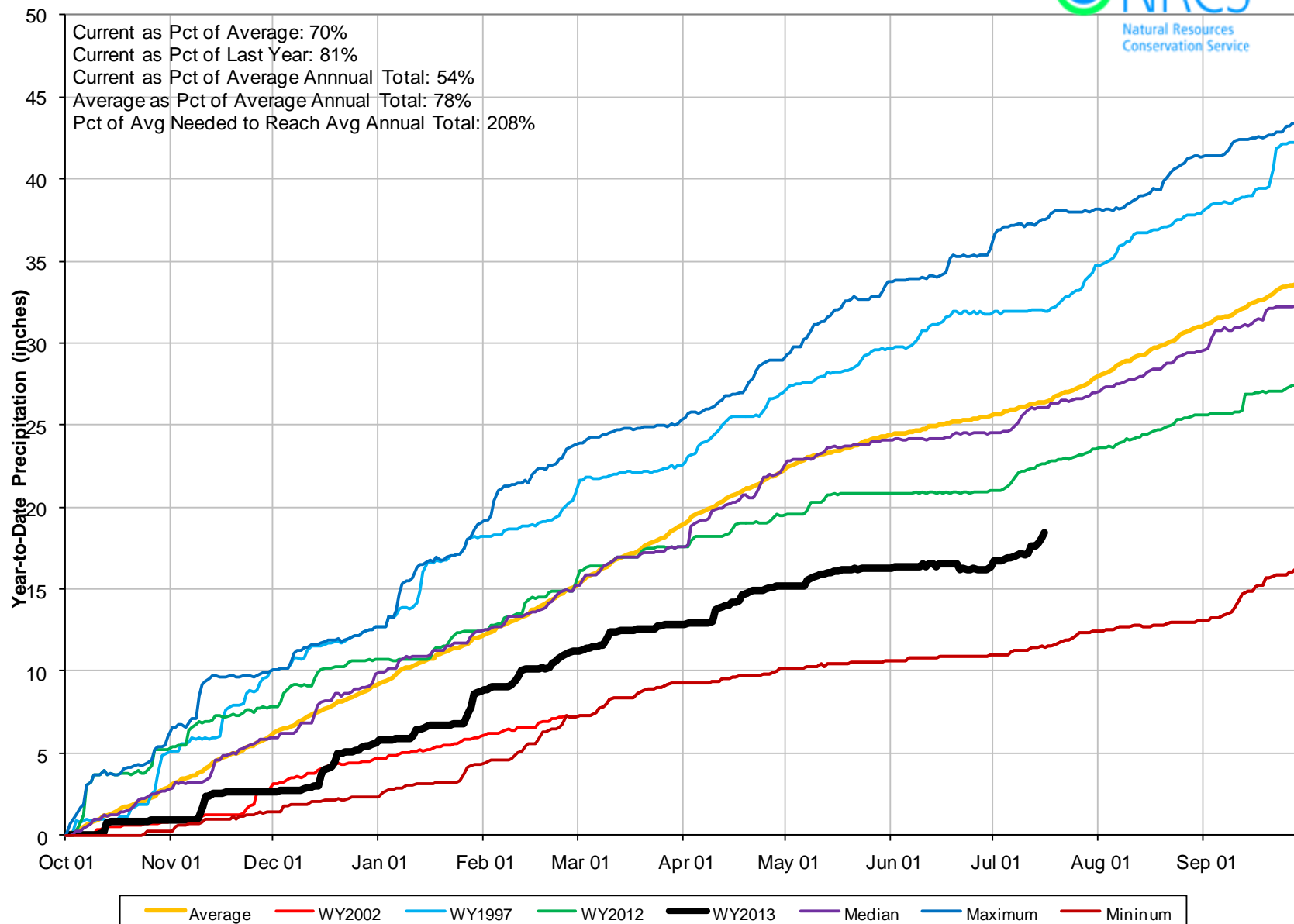
End of June 2013

Upper Rio Grande Basin Summary



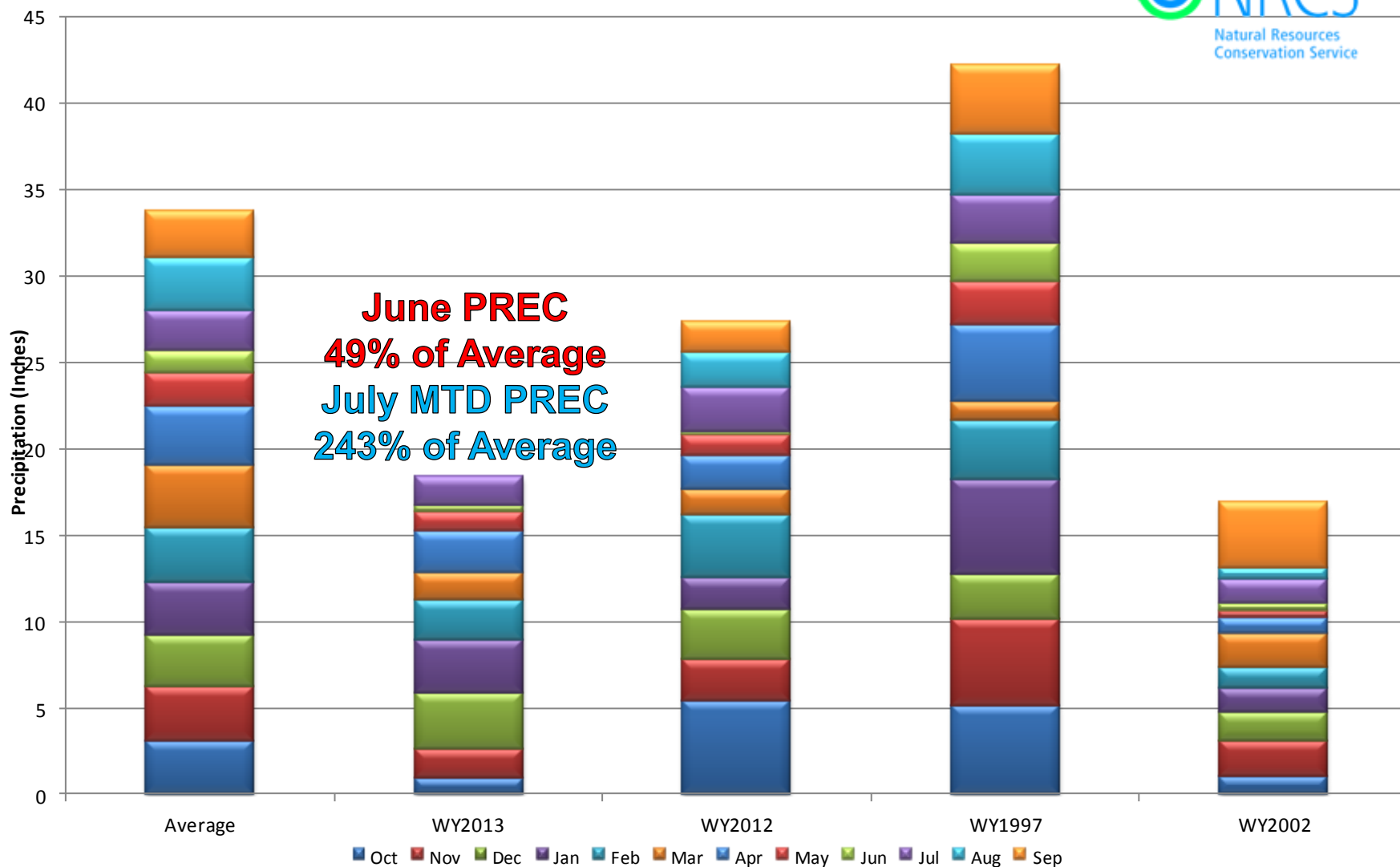
Upper Rio Grande Basin High/Low Year-to-Date Precipitation Summary

Based on Provisional SNOTEL data as of Jul 16, 2013



Upper Rio Grande Basin High/Low Monthly Precipitation Summary

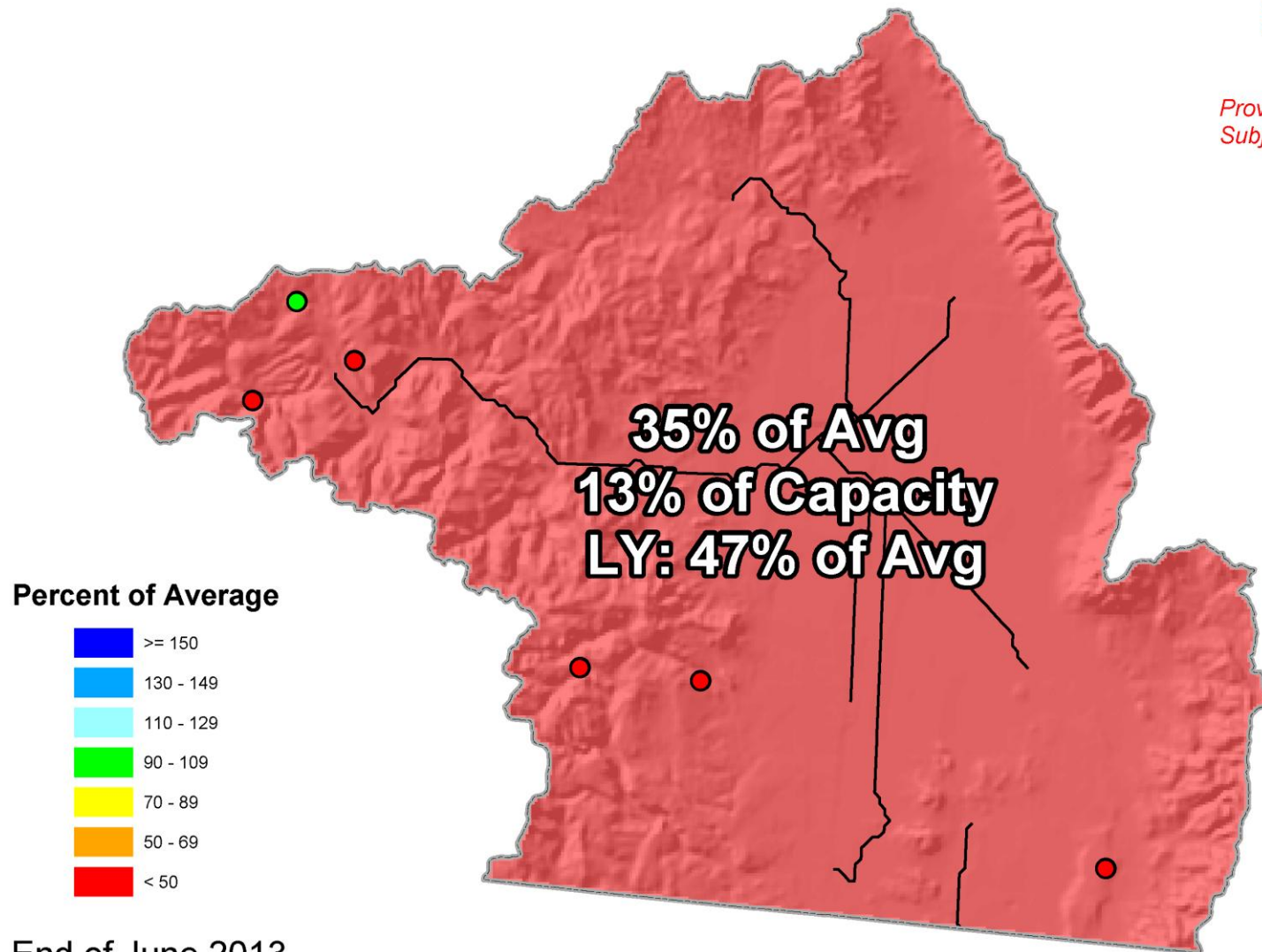
Based on Provisional SNOTEL data as of Jul 16, 2013



Upper Rio Grande Basin Reservoir Storage Map

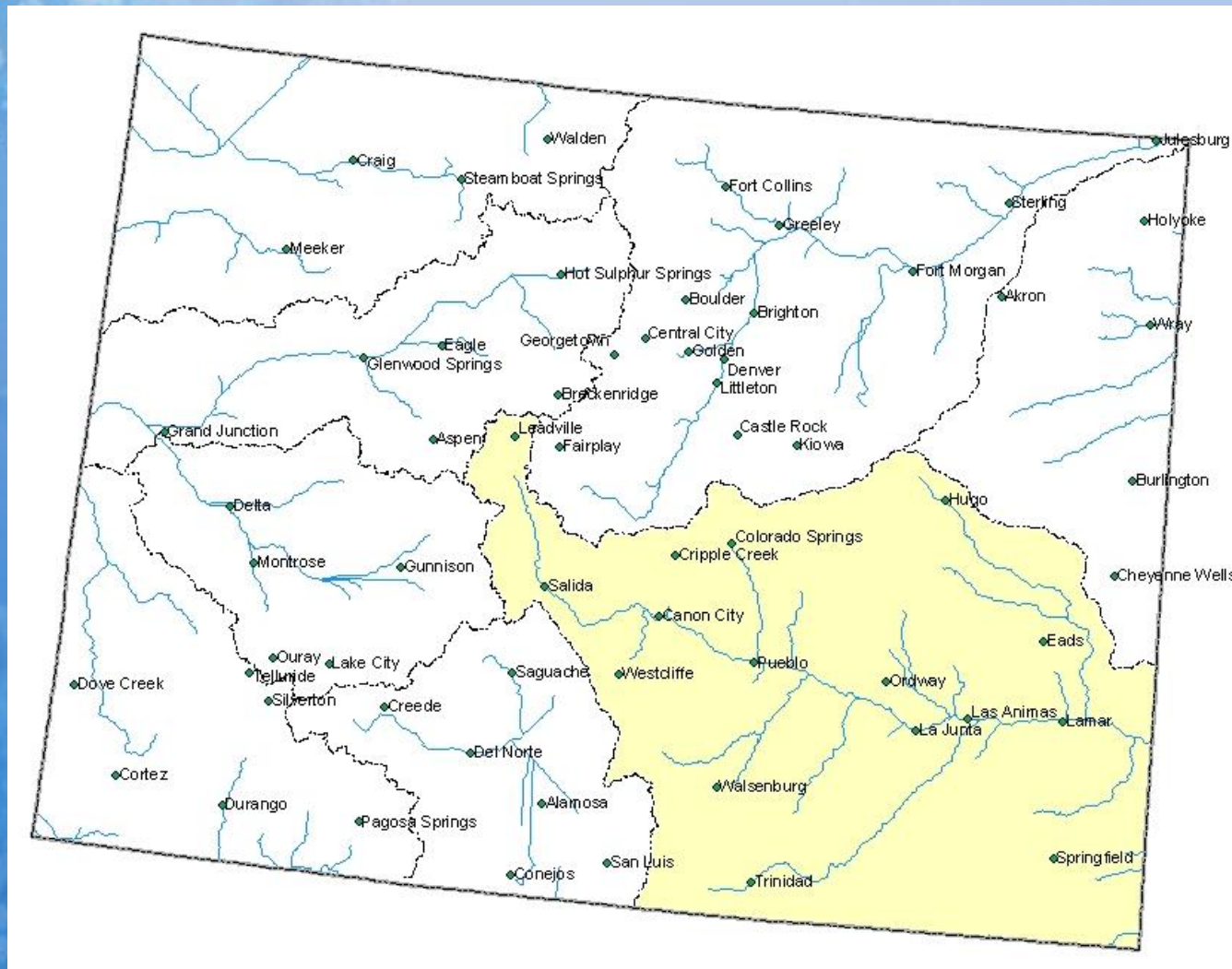


*Provisional Data
Subject to Revision*



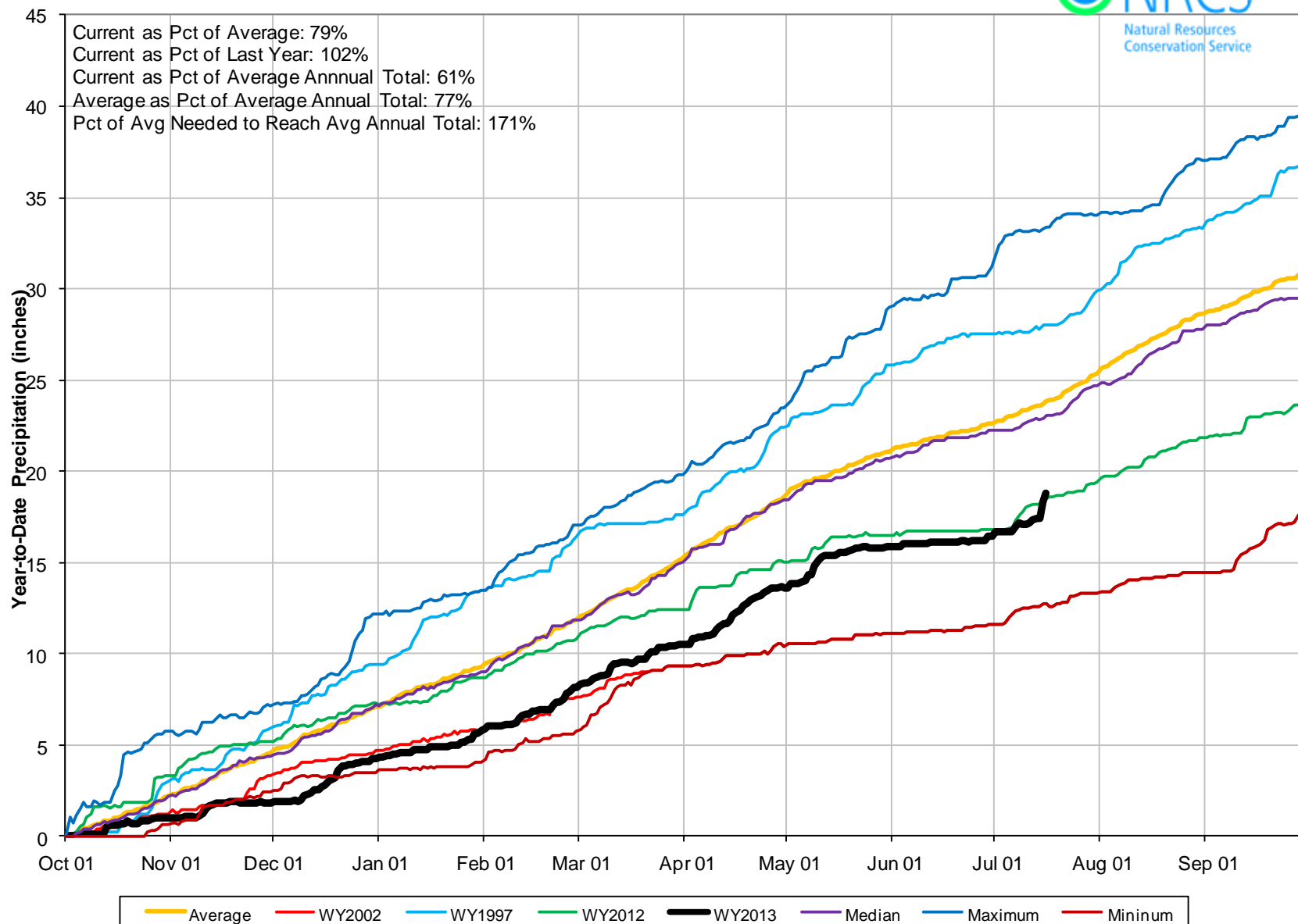
End of June 2013

Arkansas River Basin Summary



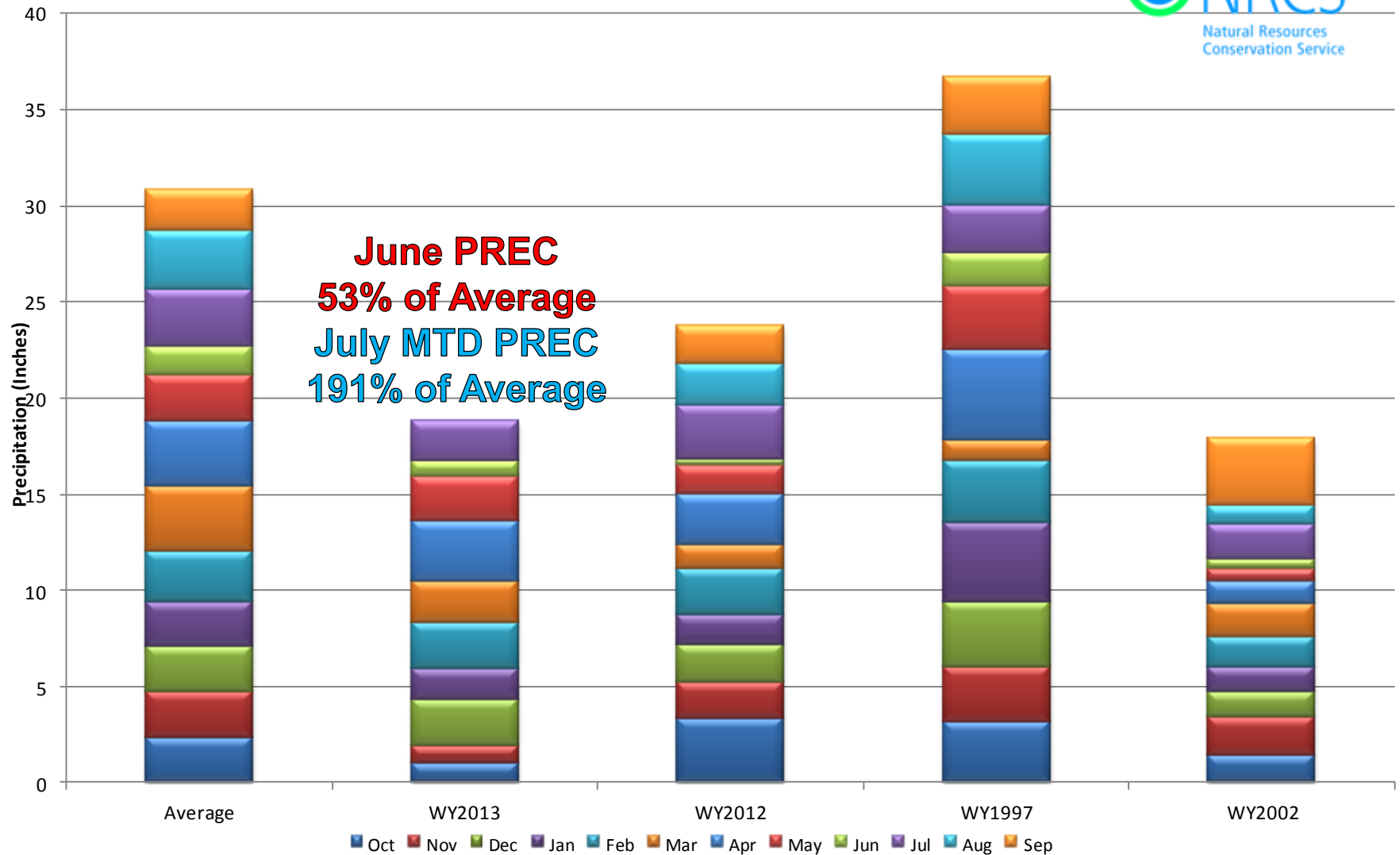
Arkansas River Basin High/Low Year-to-Date Precipitation Summary

Based on Provisional SNOTEL data as of Jul 16, 2013



Arkansas River Basin High/Low Monthly Precipitation Summary

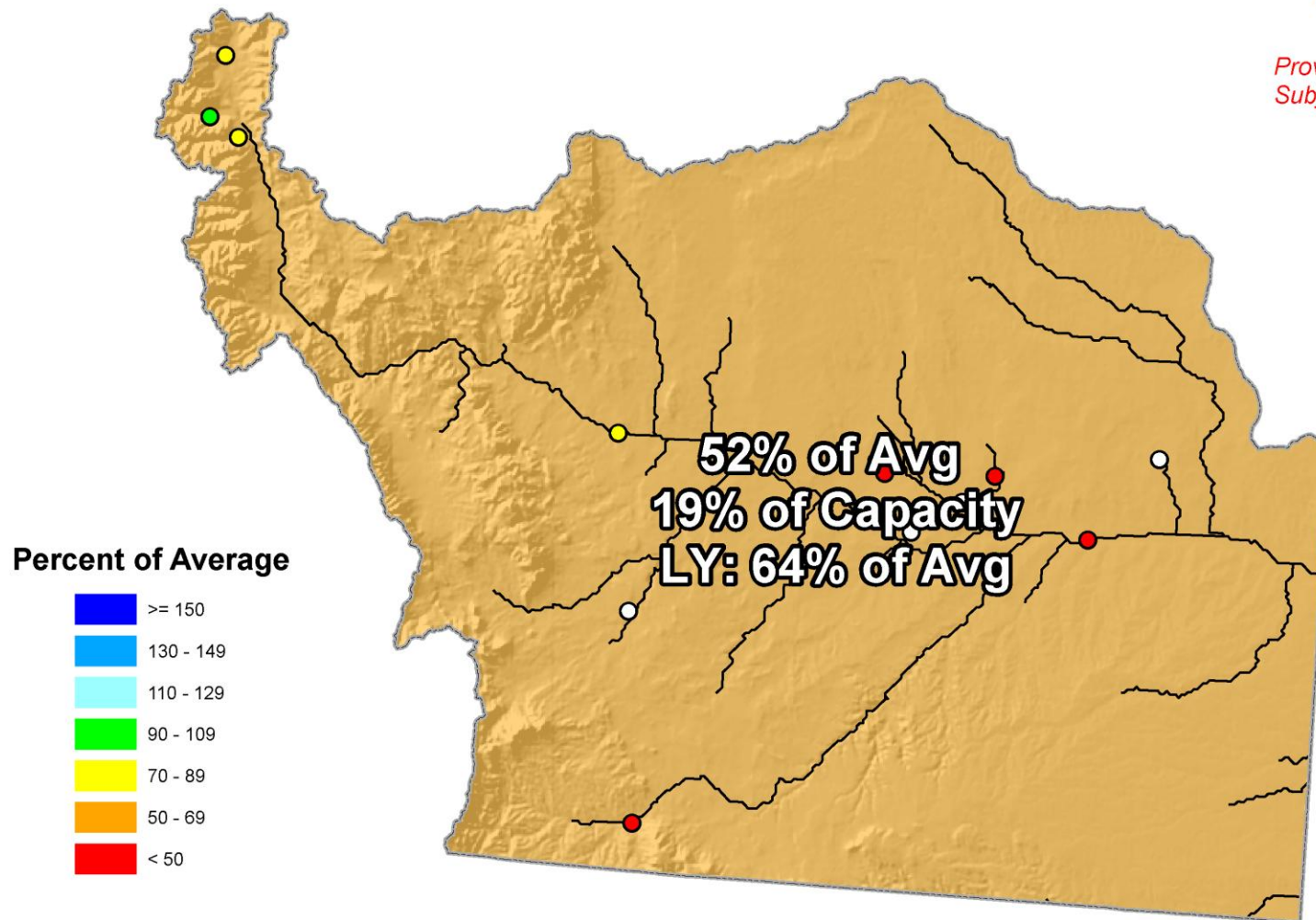
Based on Provisional SNOTEL data as of Jul 16, 2013



Arkansas River Basin Reservoir Storage Map

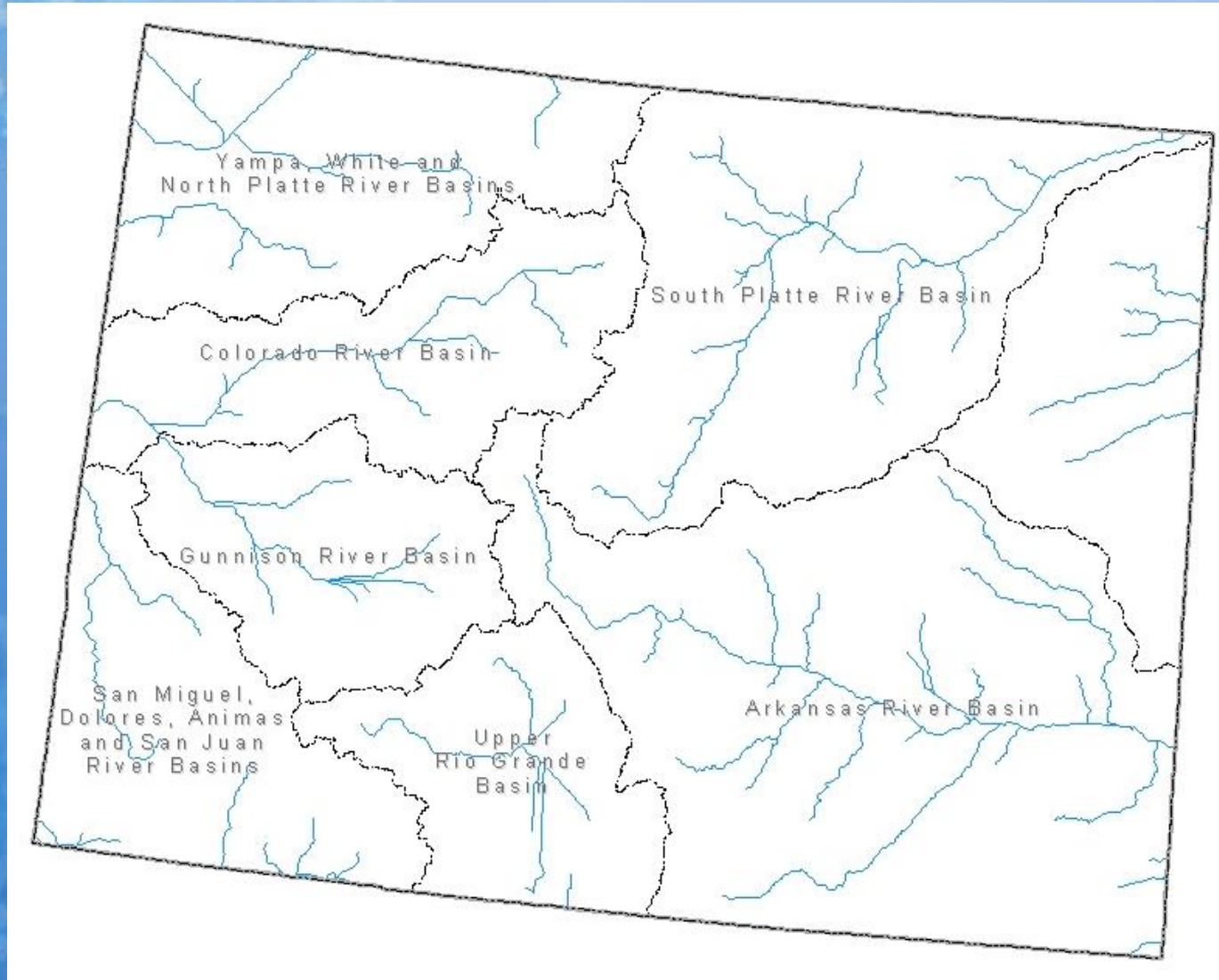


*Provisional Data
Subject to Revision*



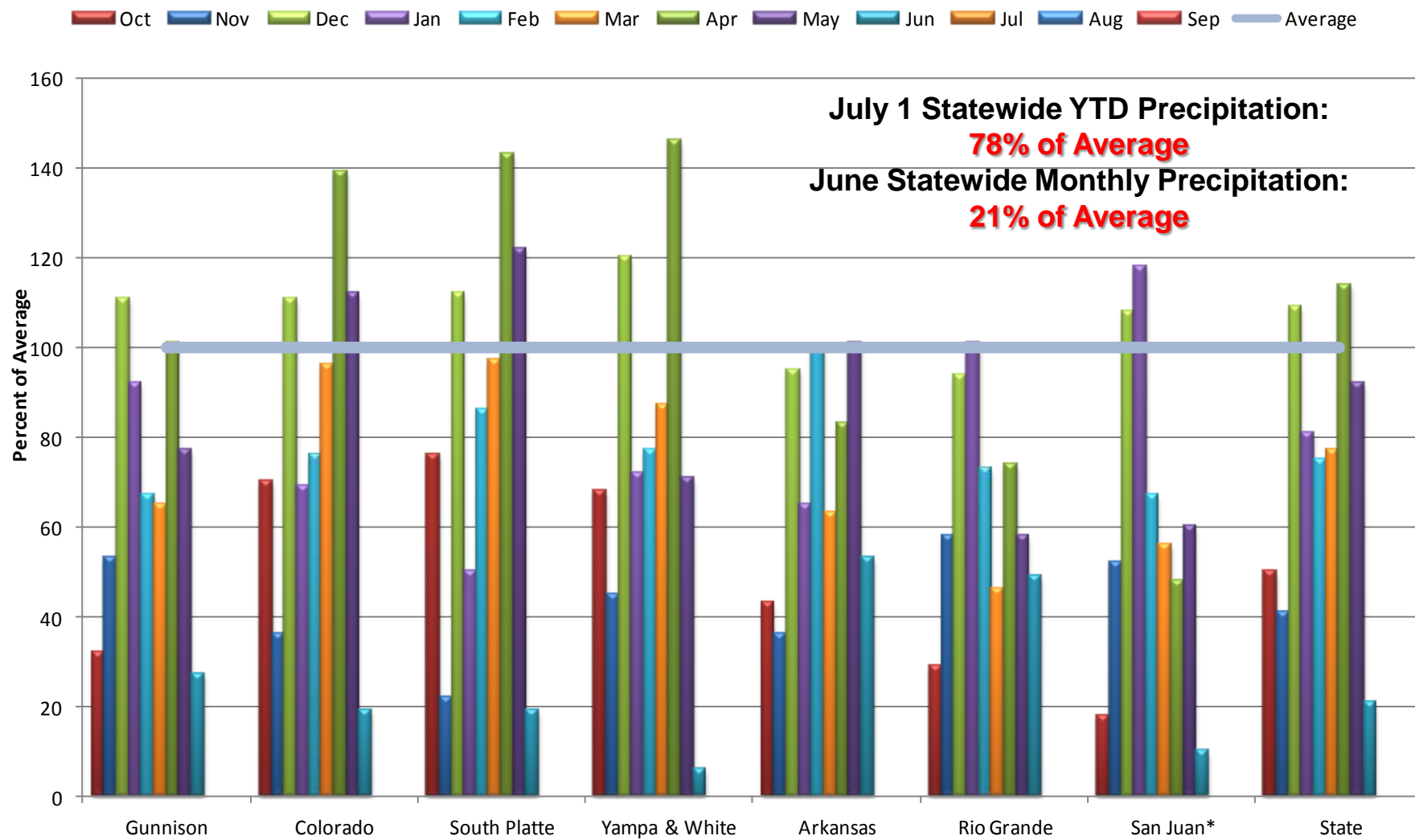
End of June 2013

Colorado Statewide Summary



Colorado Monthly Precipitation Summary for WY2013

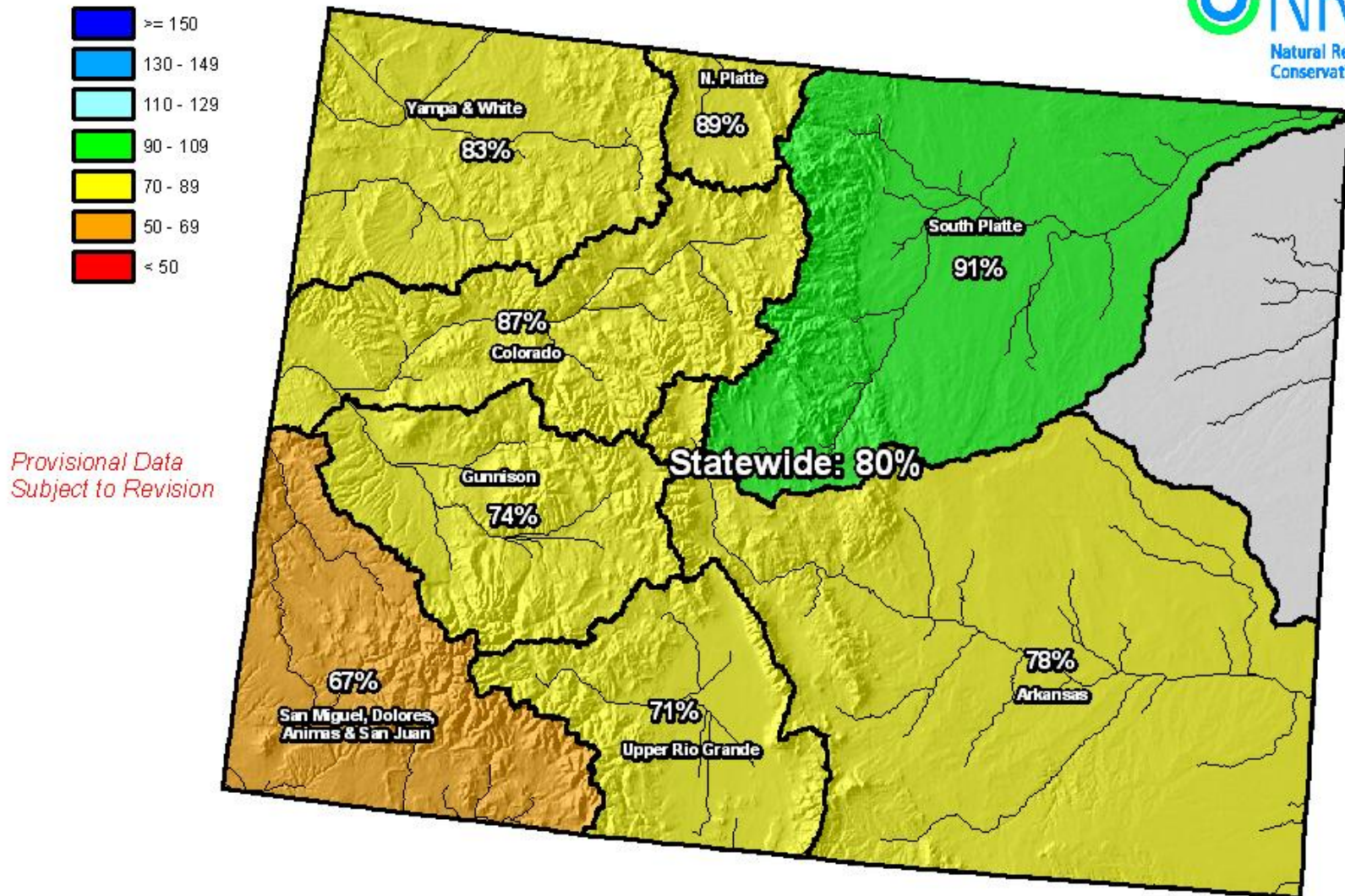
USDA Natural Resources Conservation Service



*Includes Animas, Dolores, San Miguel Basins

Colorado SNOTEL Water Year-to-Date Precipitation Update Map

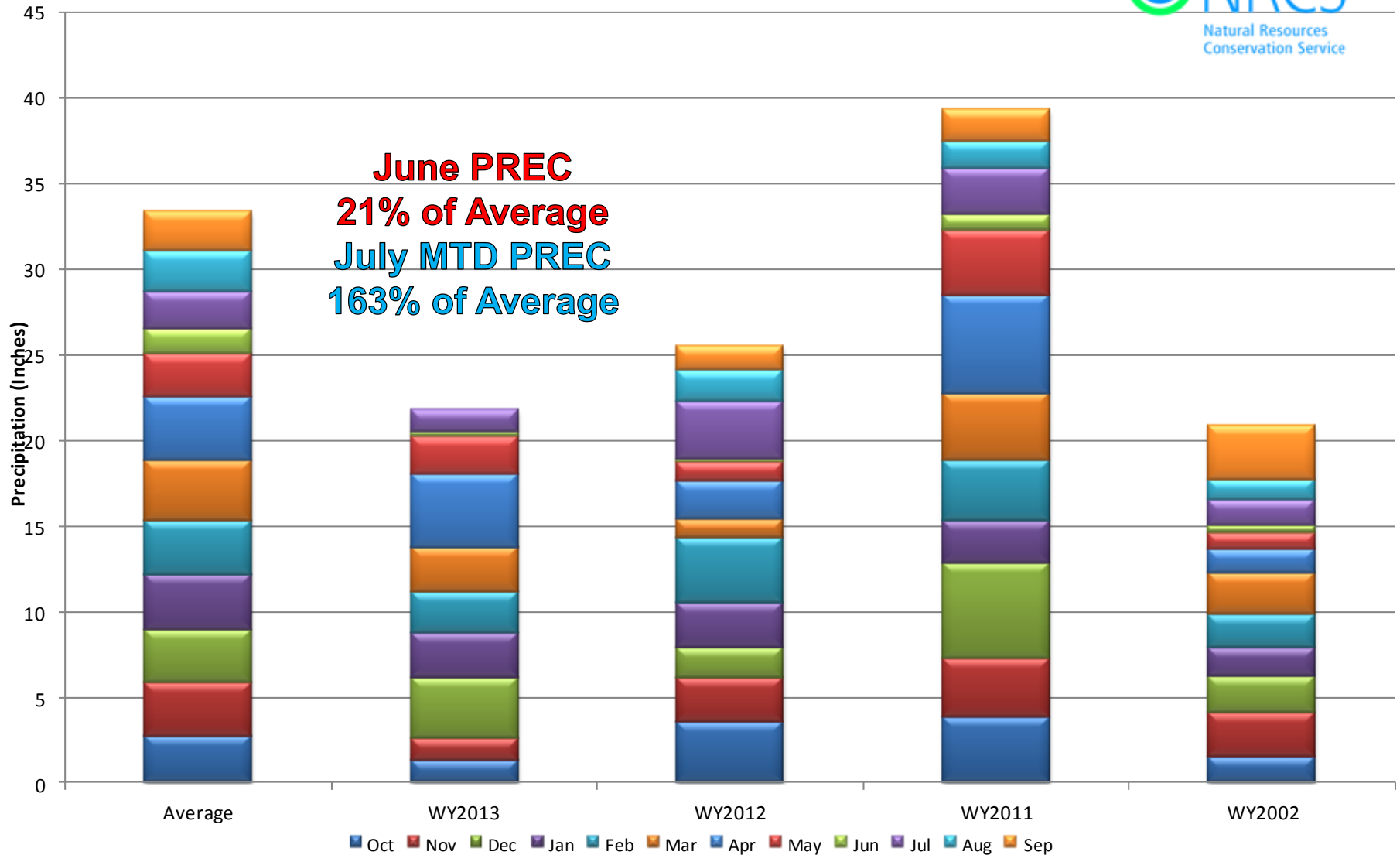
Percent of Average



Current as of Jul 16, 2013

Colorado Statewide High/Low Monthly Precipitation Summary

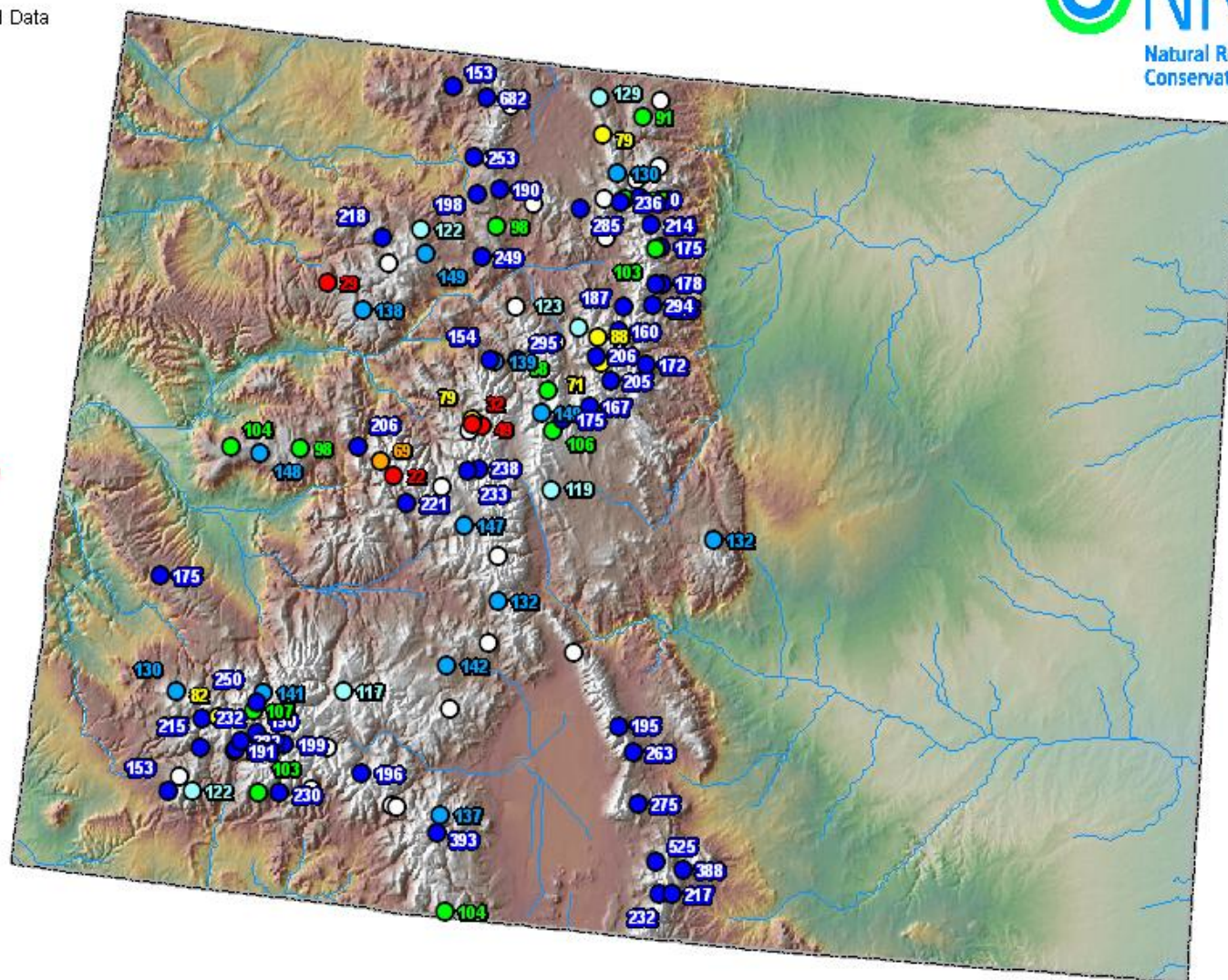
Based on Provisional SNOTEL data as of Jul 16, 2013



Colorado SNOTEL Month-to-Date Precipitation

Percent of Average

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

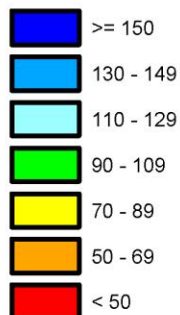
Provisional Data
Subject to Revision

Current as of Jul 16, 2013

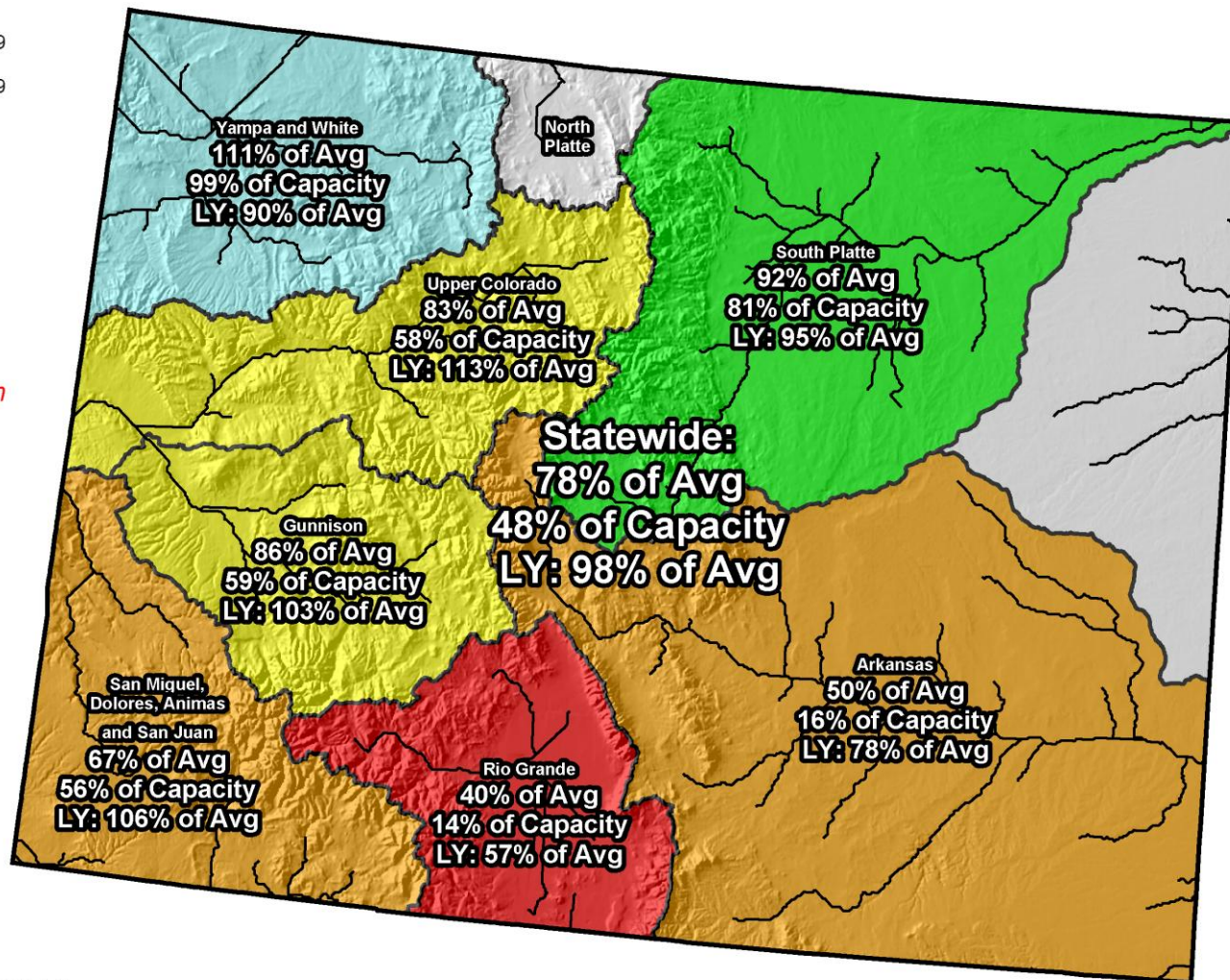


Colorado Reservoir Storage Map

Percent of Average



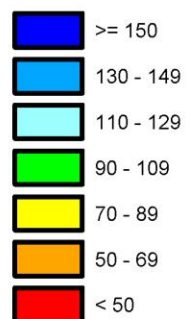
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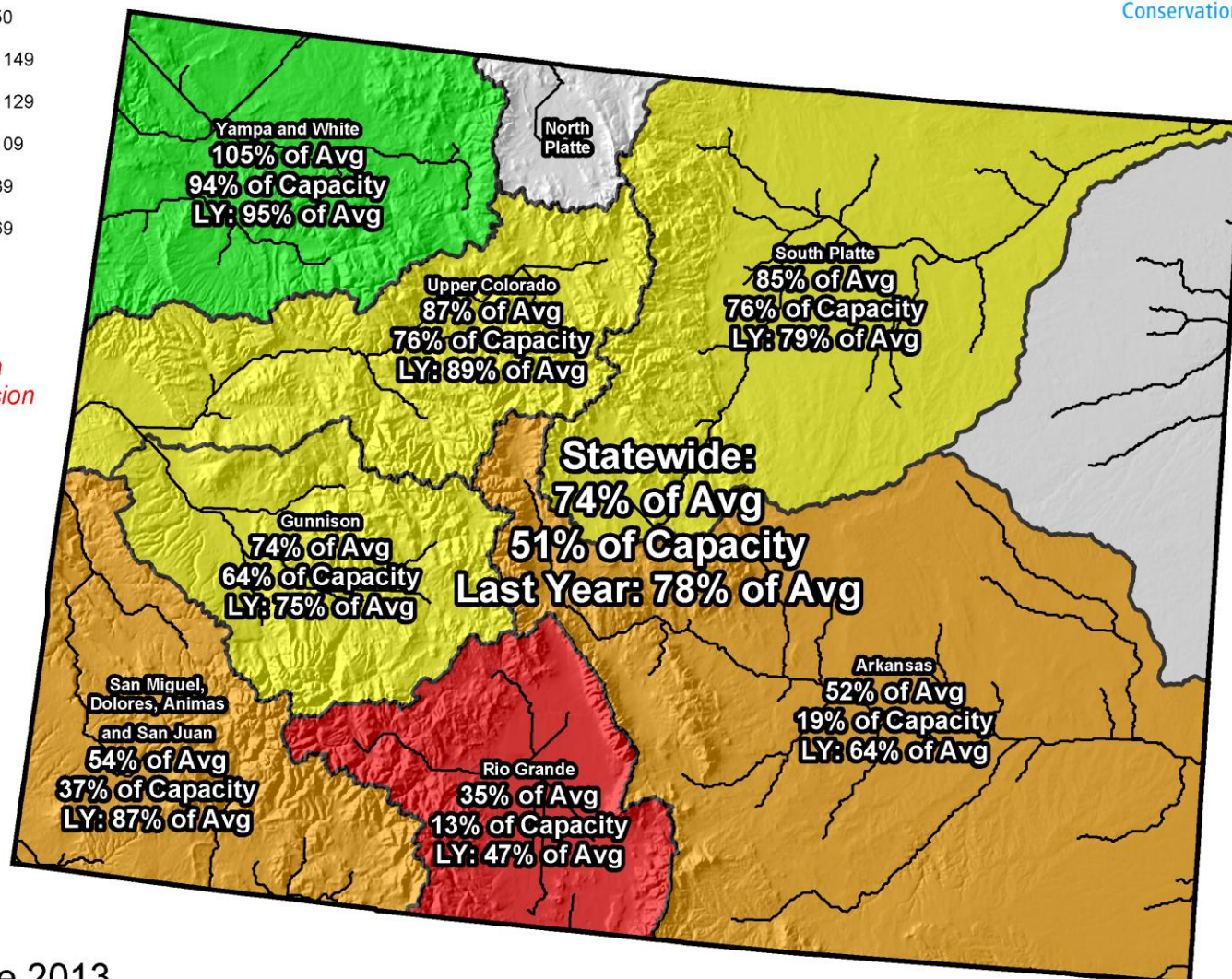
End of May 2013

Colorado Reservoir Storage Map

Percent of Average

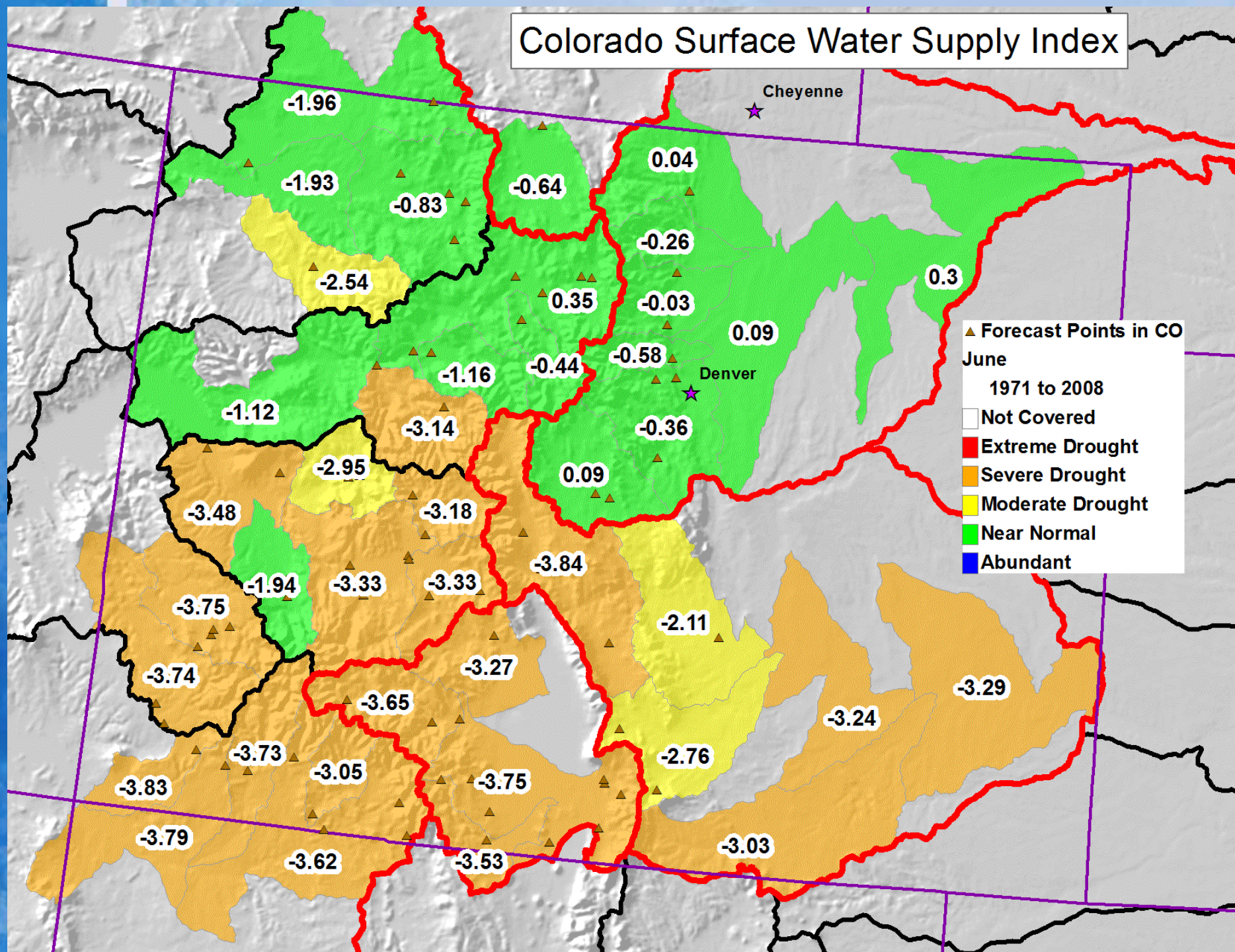


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Subject to Revision*

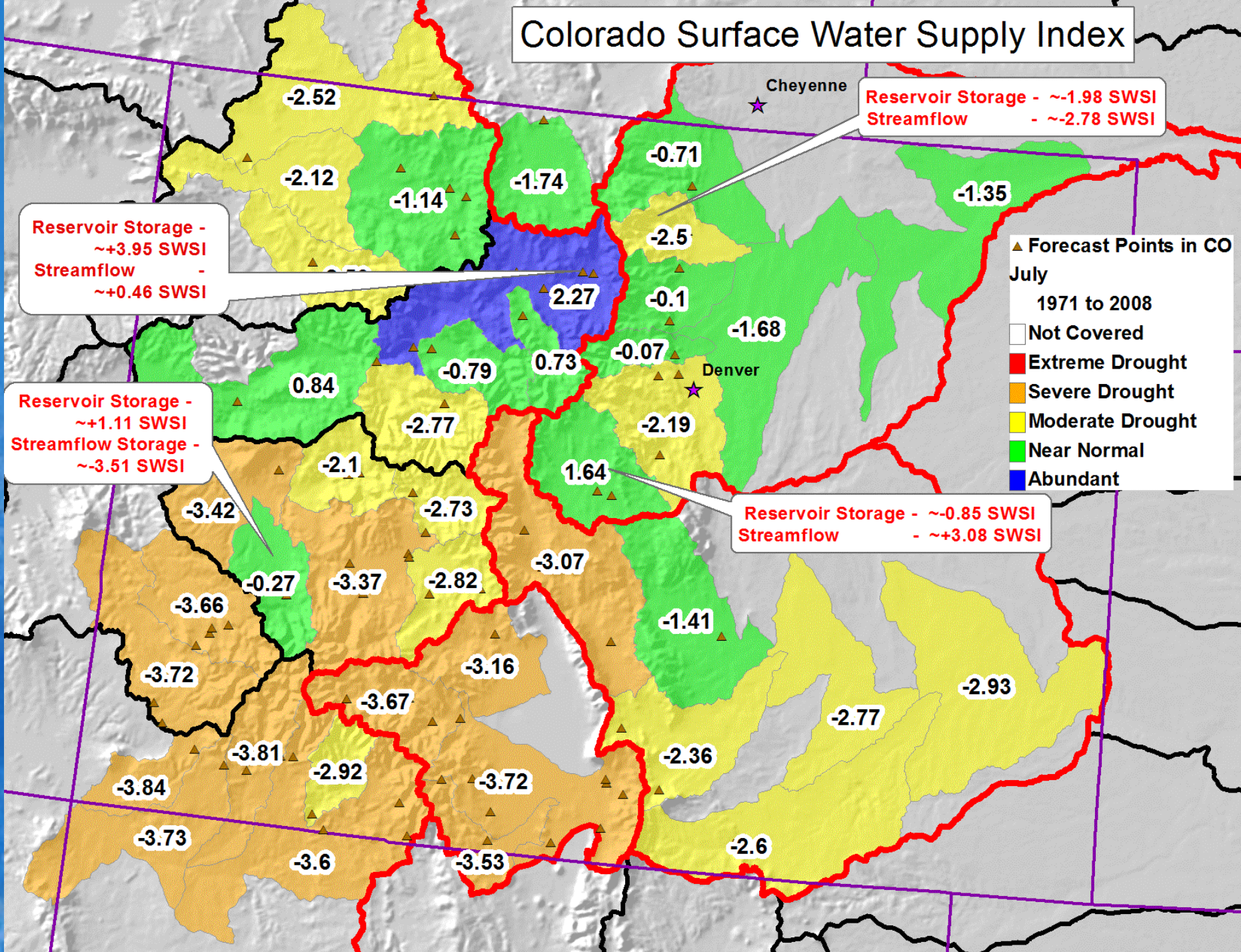


End of June 2013

Colorado Surface Water Supply Index



Colorado Surface Water Supply Index



WY2013 Summary

- DEC: SNOW! Finally. Storms in mid to late Dec boosted snowpack but it was not enough to reach normal conditions.
- JAN: End of month storm increased the snowpack in Southwest basins.
- FEB: Prec below average. The Snow we did receive was just enough to keep the snowpack from further declining.
- MAR: Storms helped maintained snowpack but no boost.
- APR: Multiple storm systems brought the snowpack up substantially and in some cases to near normal peaks. Really improved the northern basins but did not help the southern basins.
- MAY: Above normal prec recorded for the South Platte, Upper Colorado and Arkansas basins. In the South Platte additional snow accumulation caused the basin to reach a second higher peak SWE in early March.
- JUNE: Little to no precipitation received in the mountains during the month. Reservoir storage improved in some areas but did not recover to normal.
- JULY: Above average mountain prec so far this month in ALL basins! Reservoir storage remains in decent condition in the north but continues to drop in the south.