



NRCS – Snow Survey & Water Supply Forecasting

Mike Gillespie

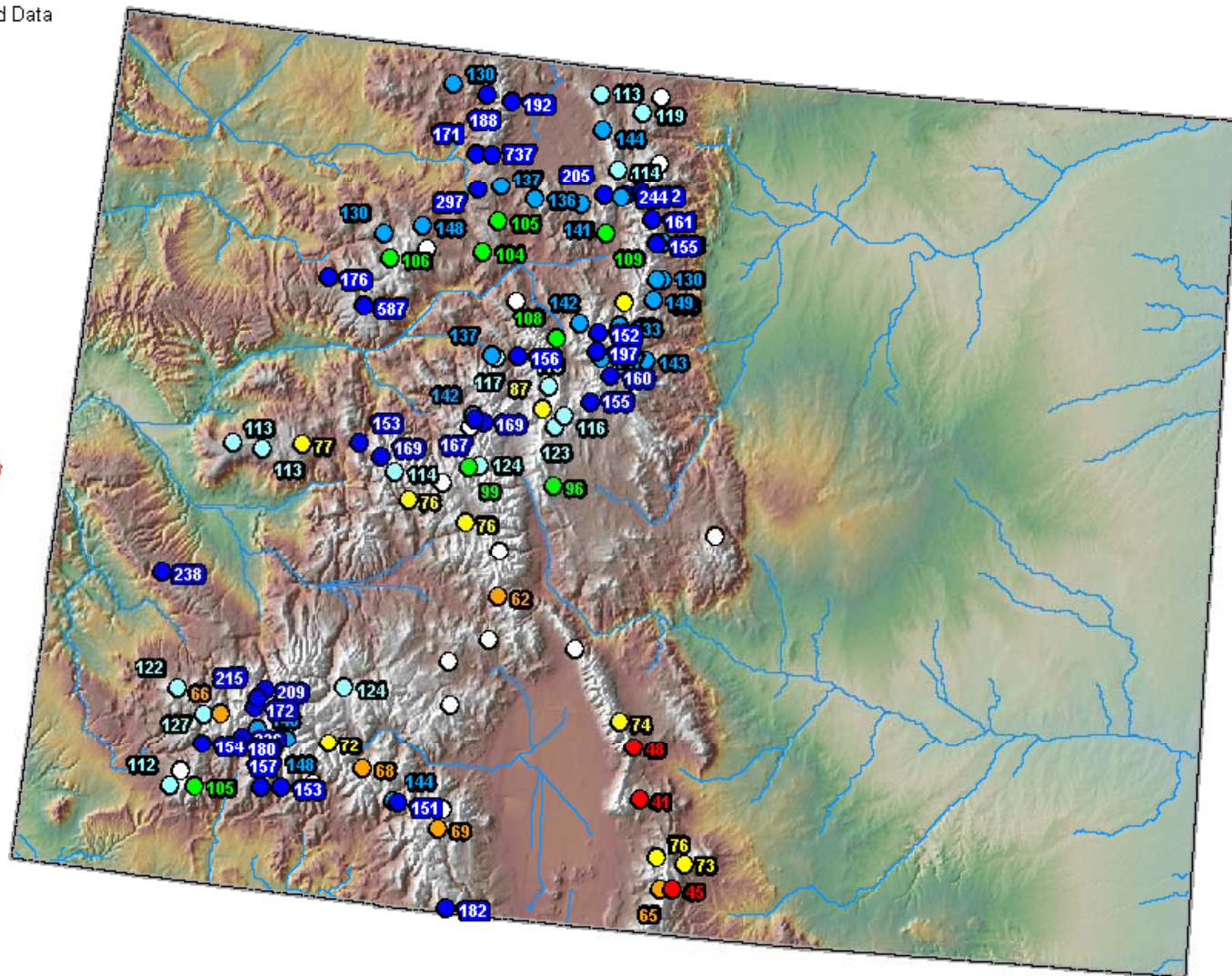
Flood Task Force Meeting
June 1, 2011

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*



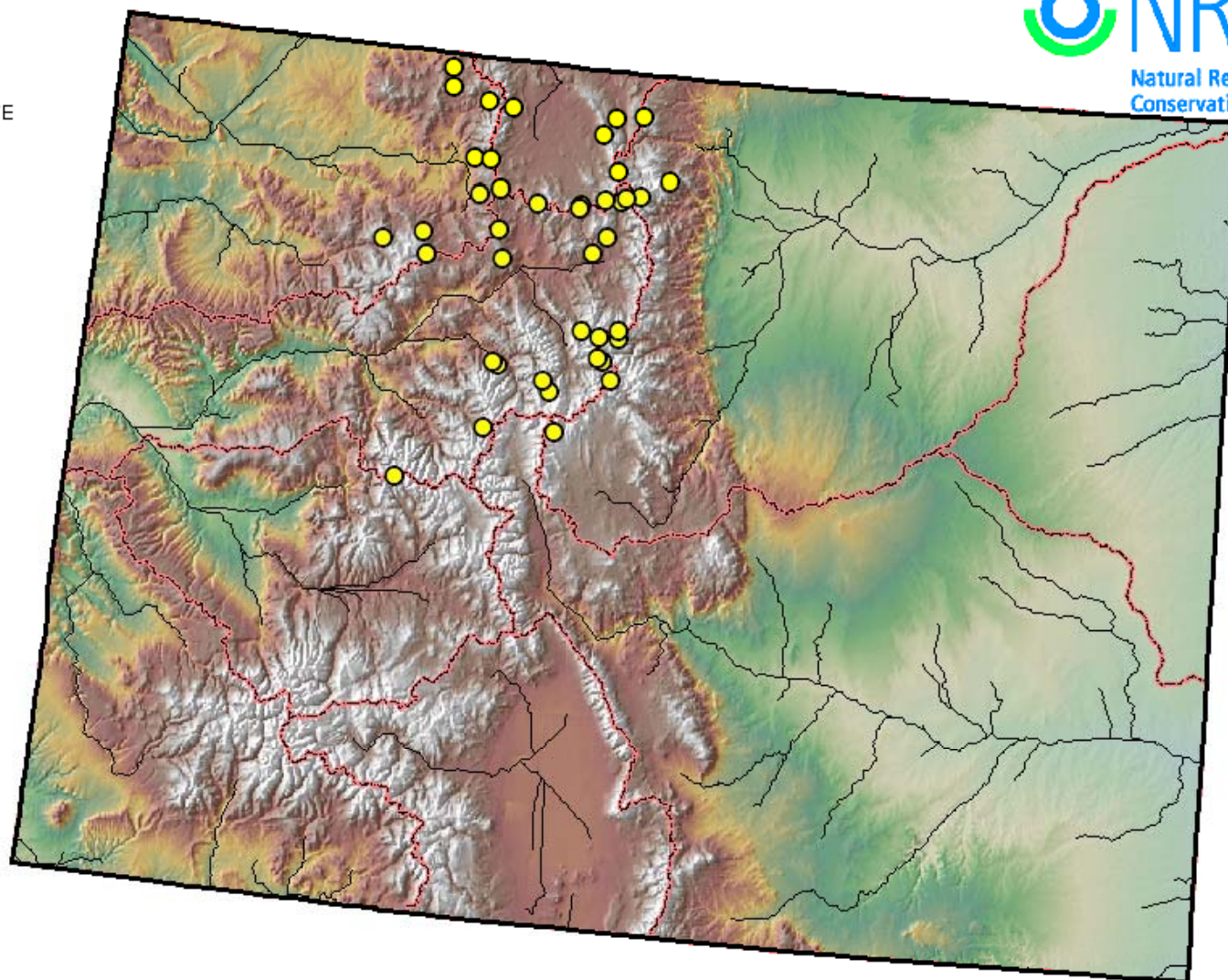
Current as of May 31, 2011

Colorado Sites with Record High May 1 Snow Water Equivalent



Legend

- Record High SWE



*Provisional Data
Subject to Revision*

New Records Set at 46 Measuring Sites

SNOTEL Current Snow Water Equivalent (SWE) Records
May 31, 2011

**Current Snow/
Water (SWE)
Equivalent
Records**

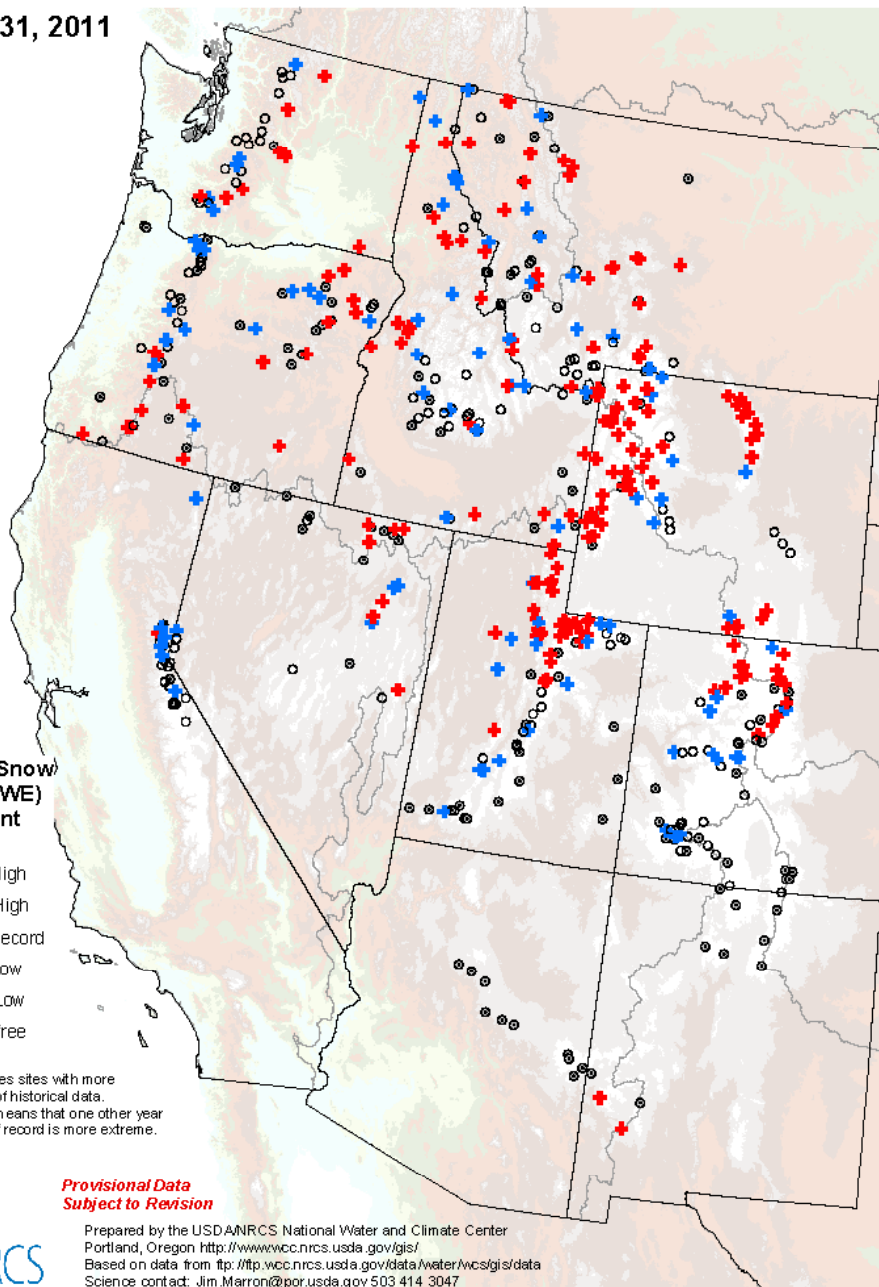
- + New High
- + Near High
- o Non-Record
- New Low
- Near Low
- o snow free

Analysis includes sites with more than 20 years of historical data.
"Near" record means that one other year of the period of record is more extreme.



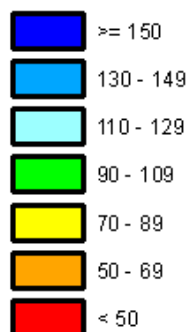
**Provisional Data
Subject to Revision**

Prepared by the USDA/NRCS National Water and Climate Center
Portland, Oregon <http://www.wcc.nrcs.usda.gov/gis/>
Based on data from <ftp://ftp.wcc.nrcs.usda.gov/data/water/wcc/gis/data>
Science contact: Jim.Marron@por.usda.gov 503 414 3047

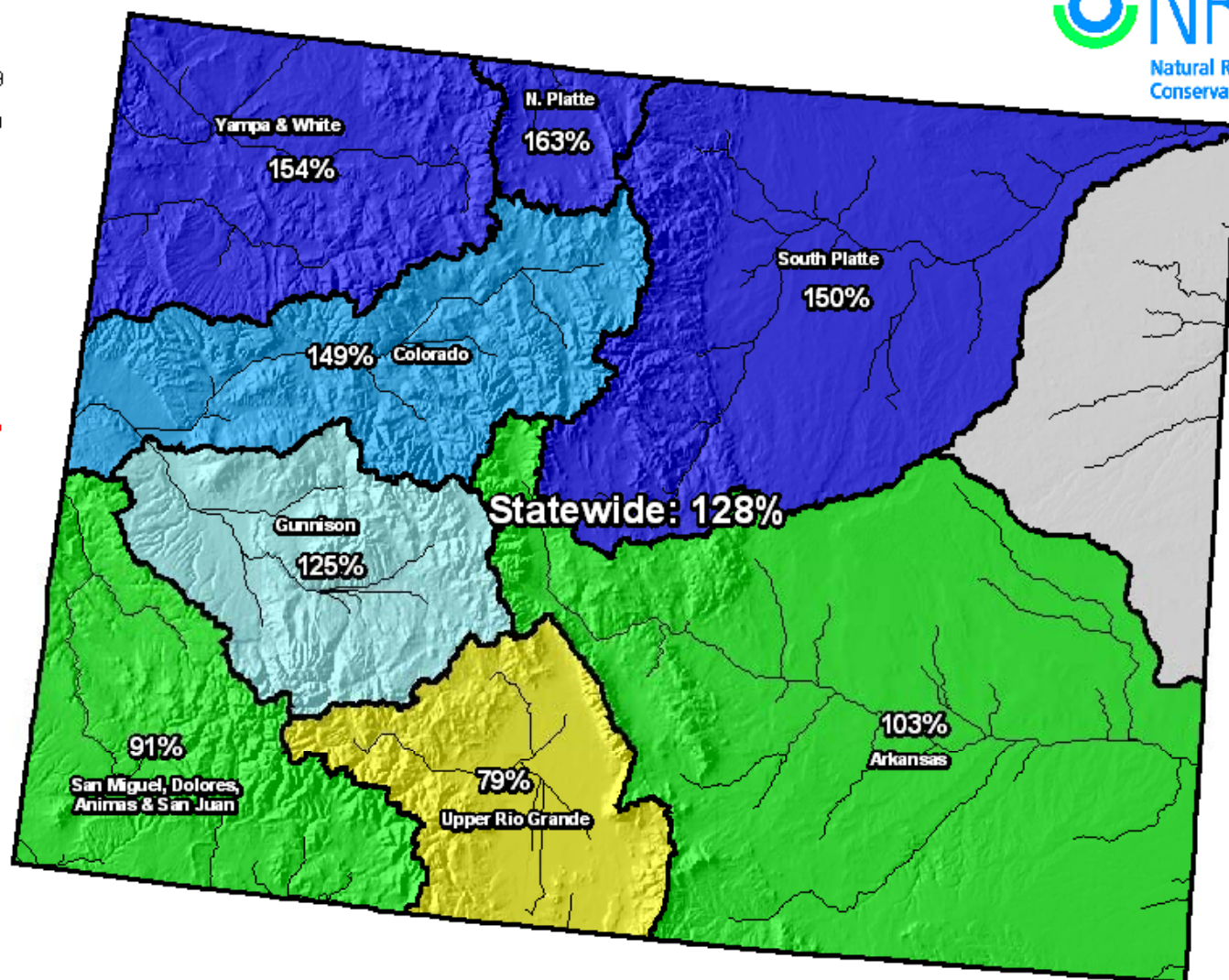


Colorado SNOTEL Snowpack Current Peak as Pct of Average Peak

Percent of Average



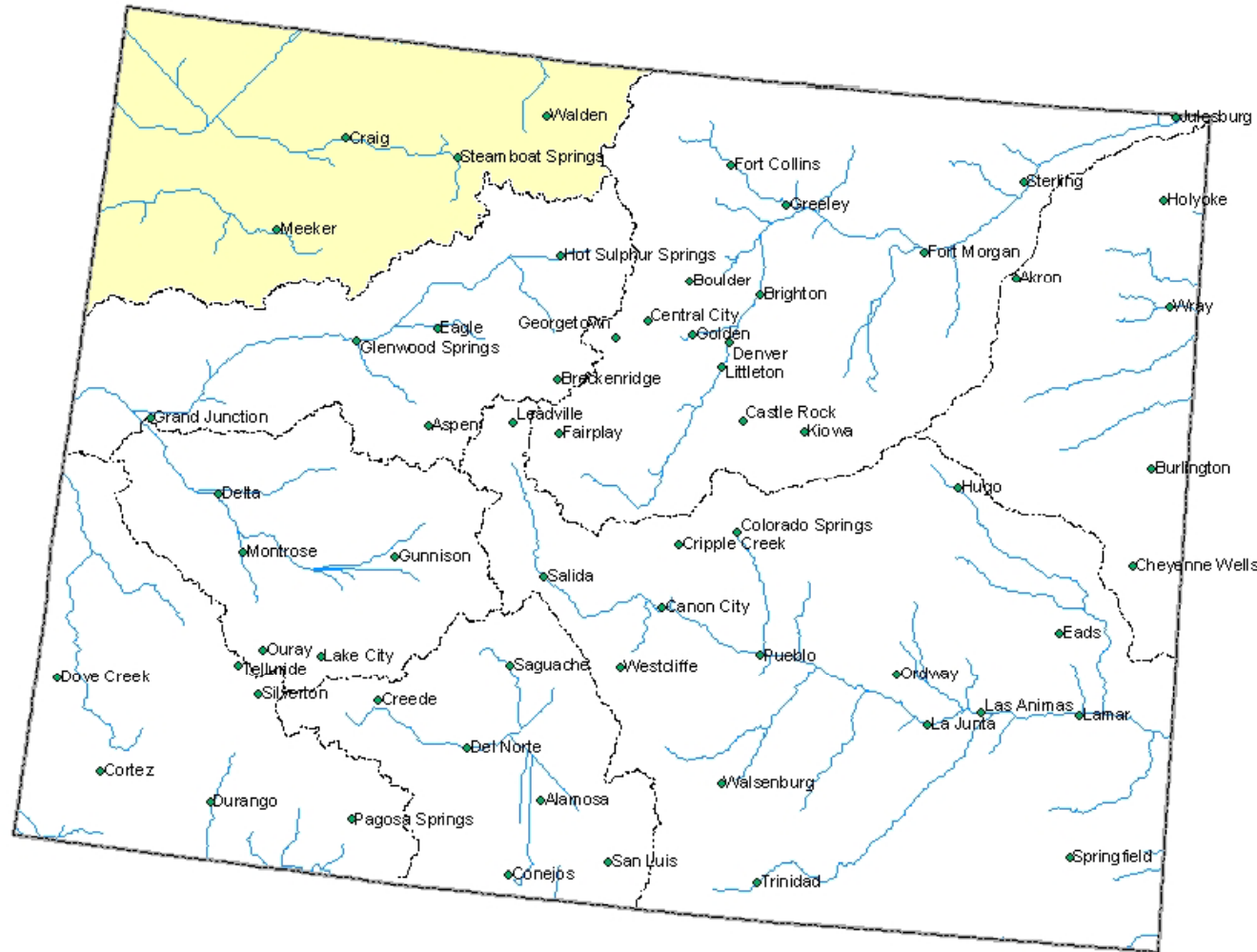
*Provisional Data
Subject to Revision*



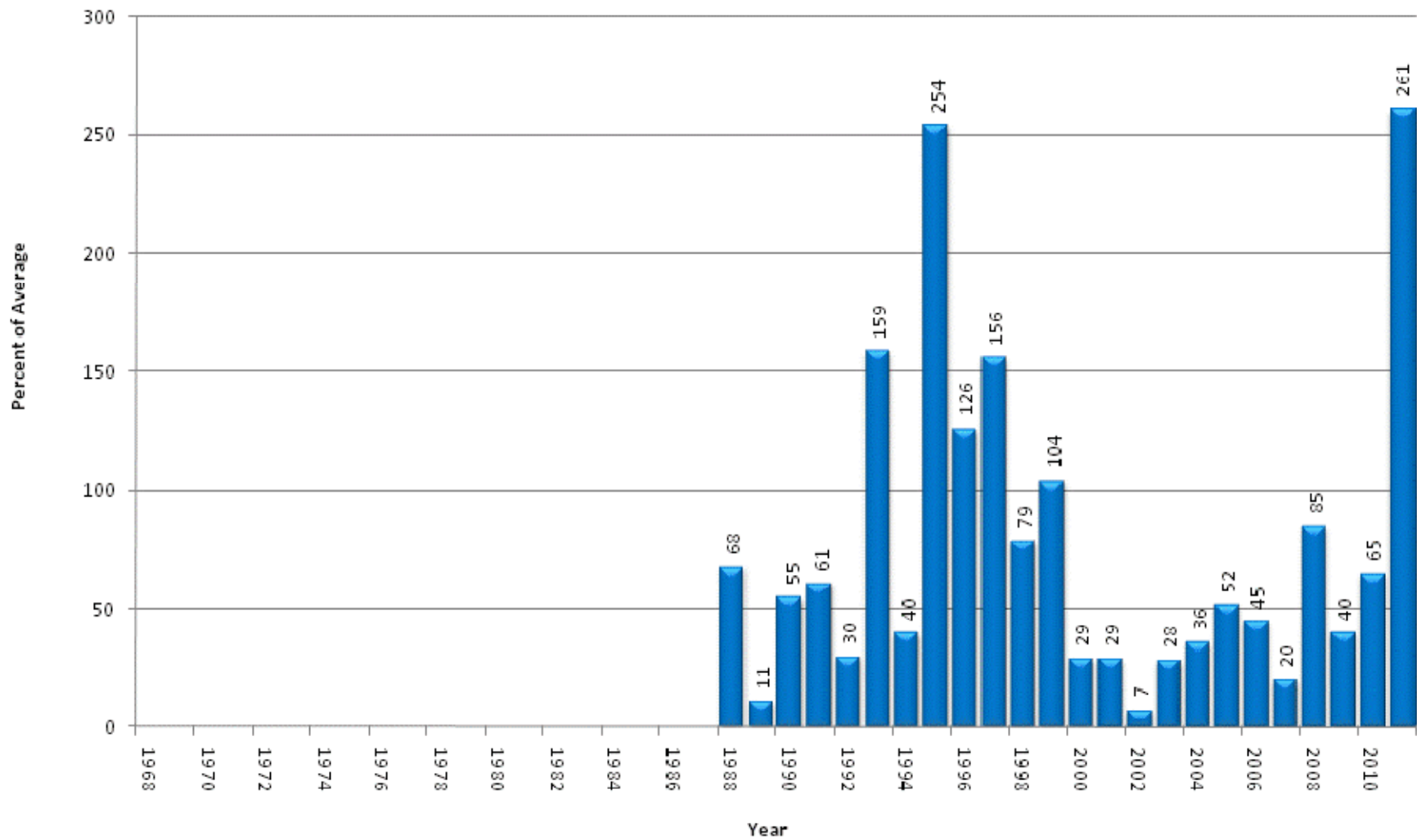
Current as of Jun 01, 2011

*Data may not provide a valid measure of conditions

Yampa, White & North Platte River Basins Summary

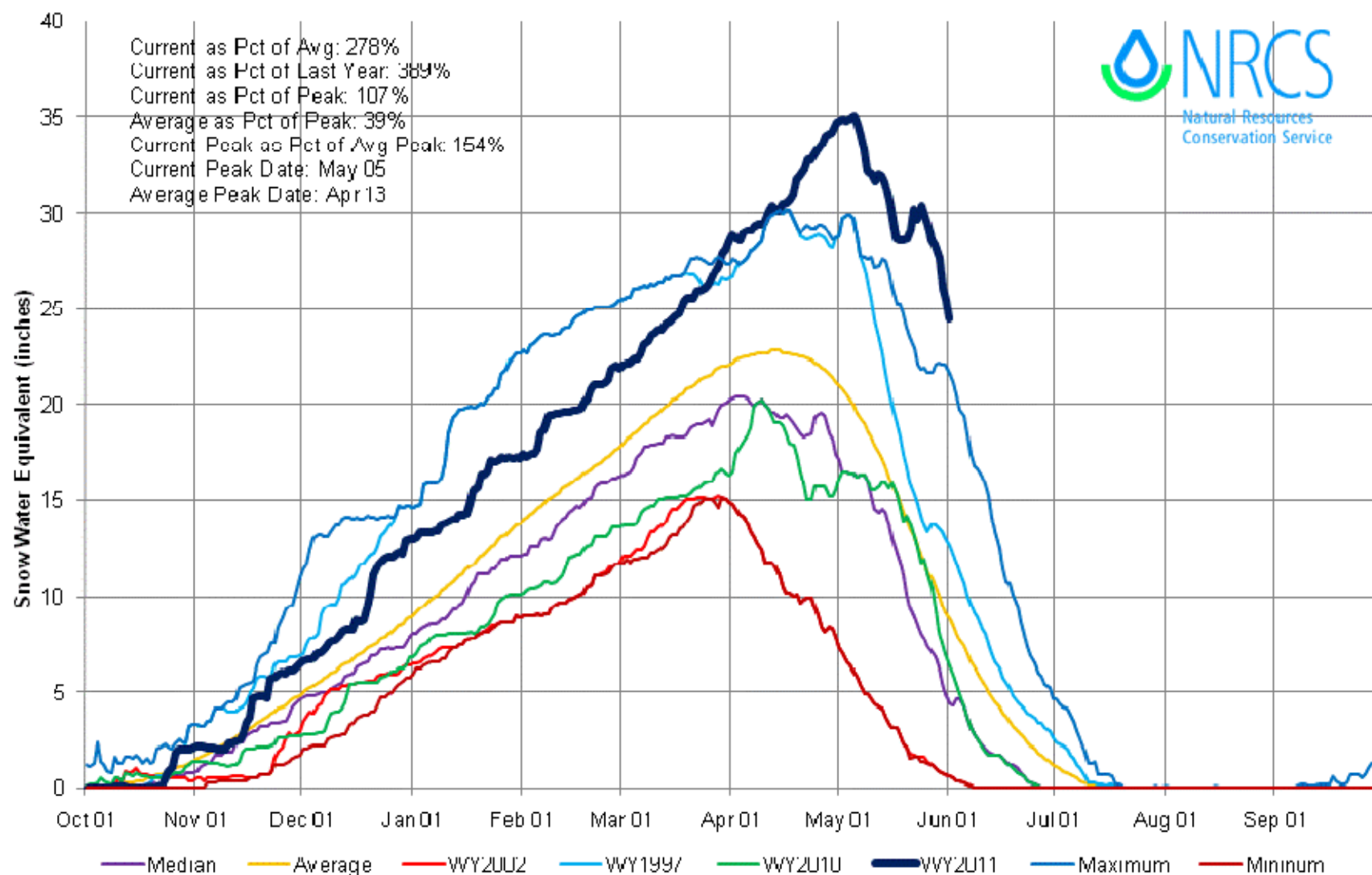


June 1 Total Yampa & White River Basins Snowpack



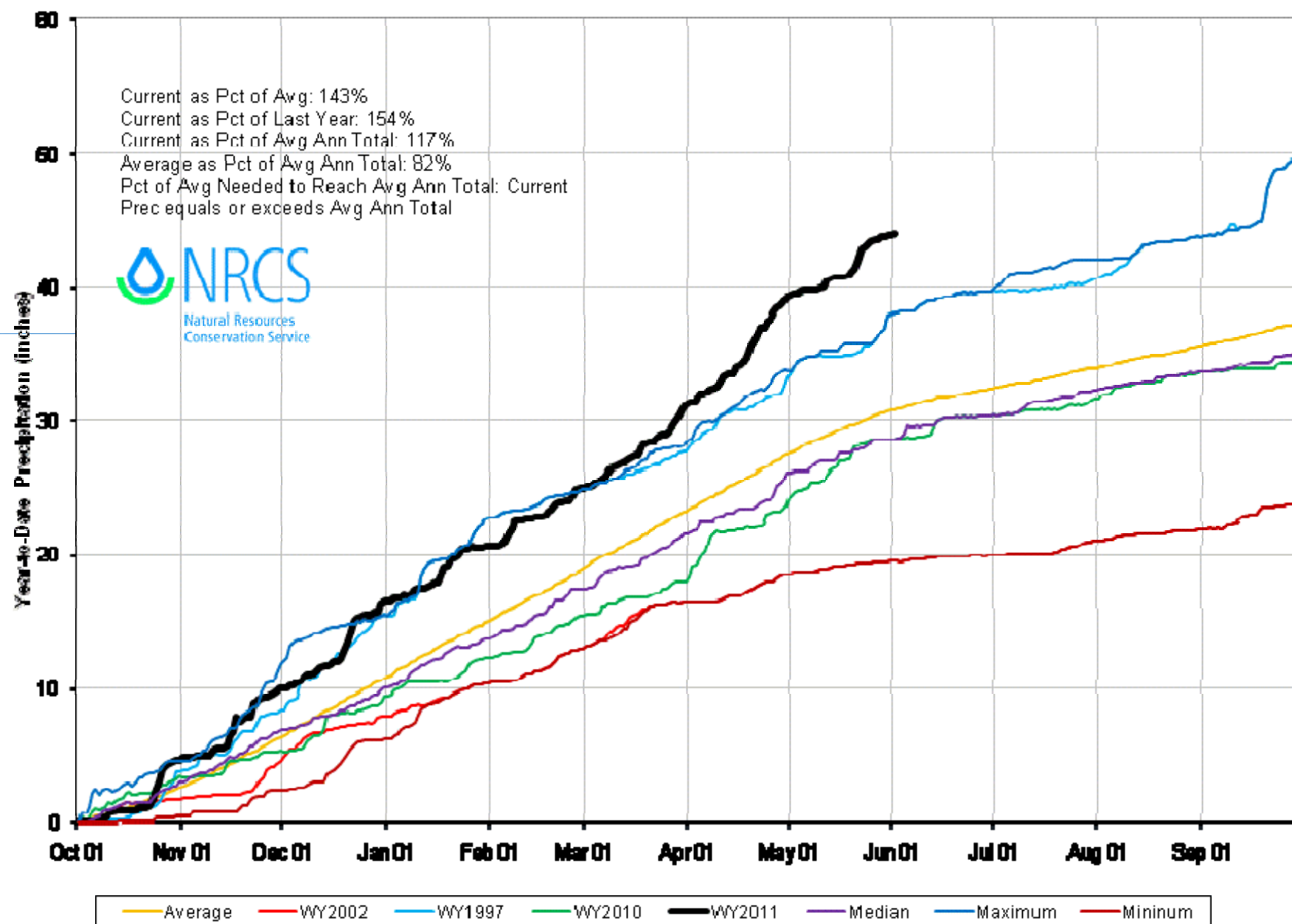
Yampa and White River Basins High/Low Snowpack Summary

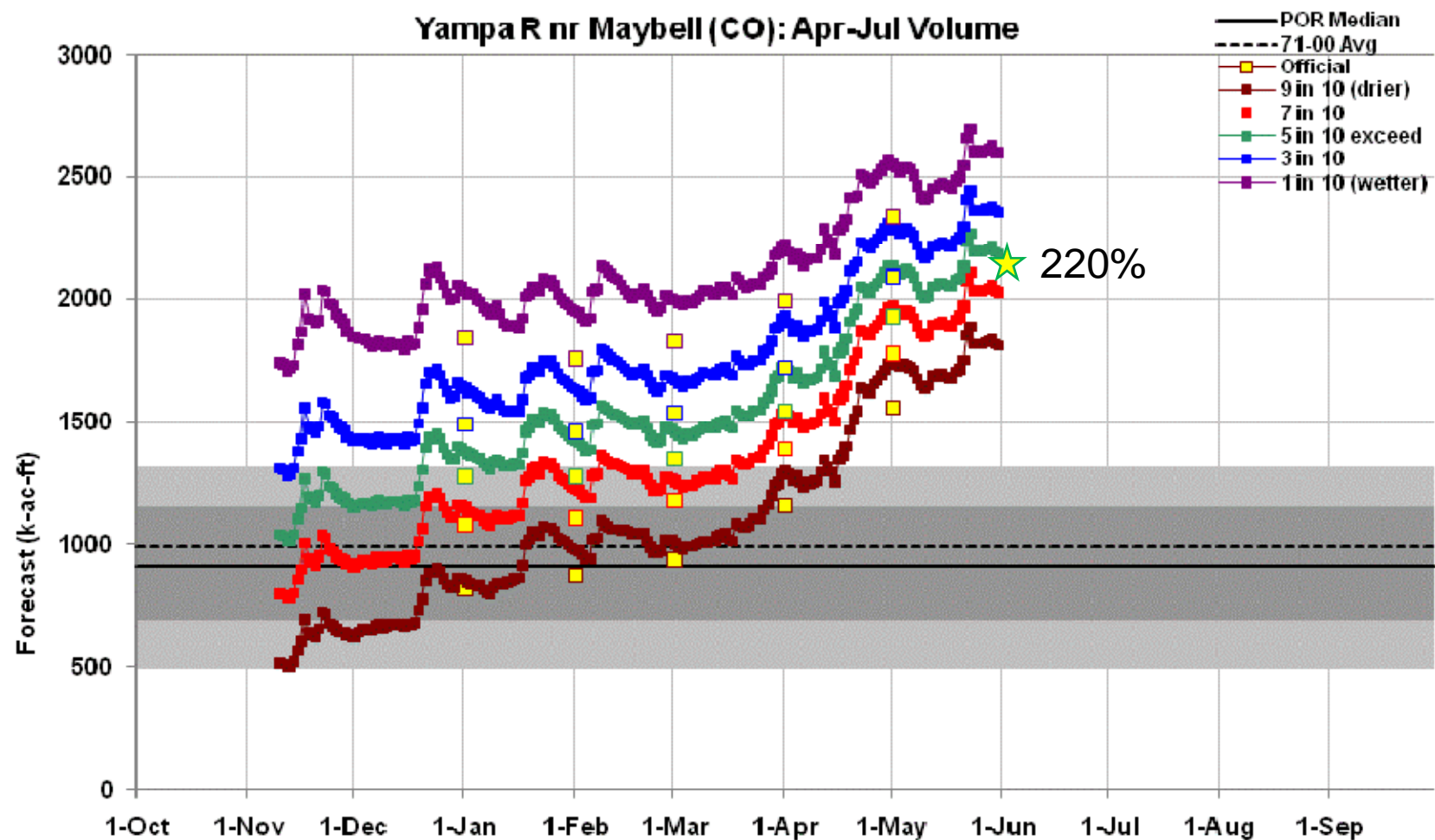
Based on Provisional SNOTEL data as of Jun 01, 2011



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

Based on Provisional SNOTEL data as of Jun 01, 2011





Created 11:34 May 31 2011

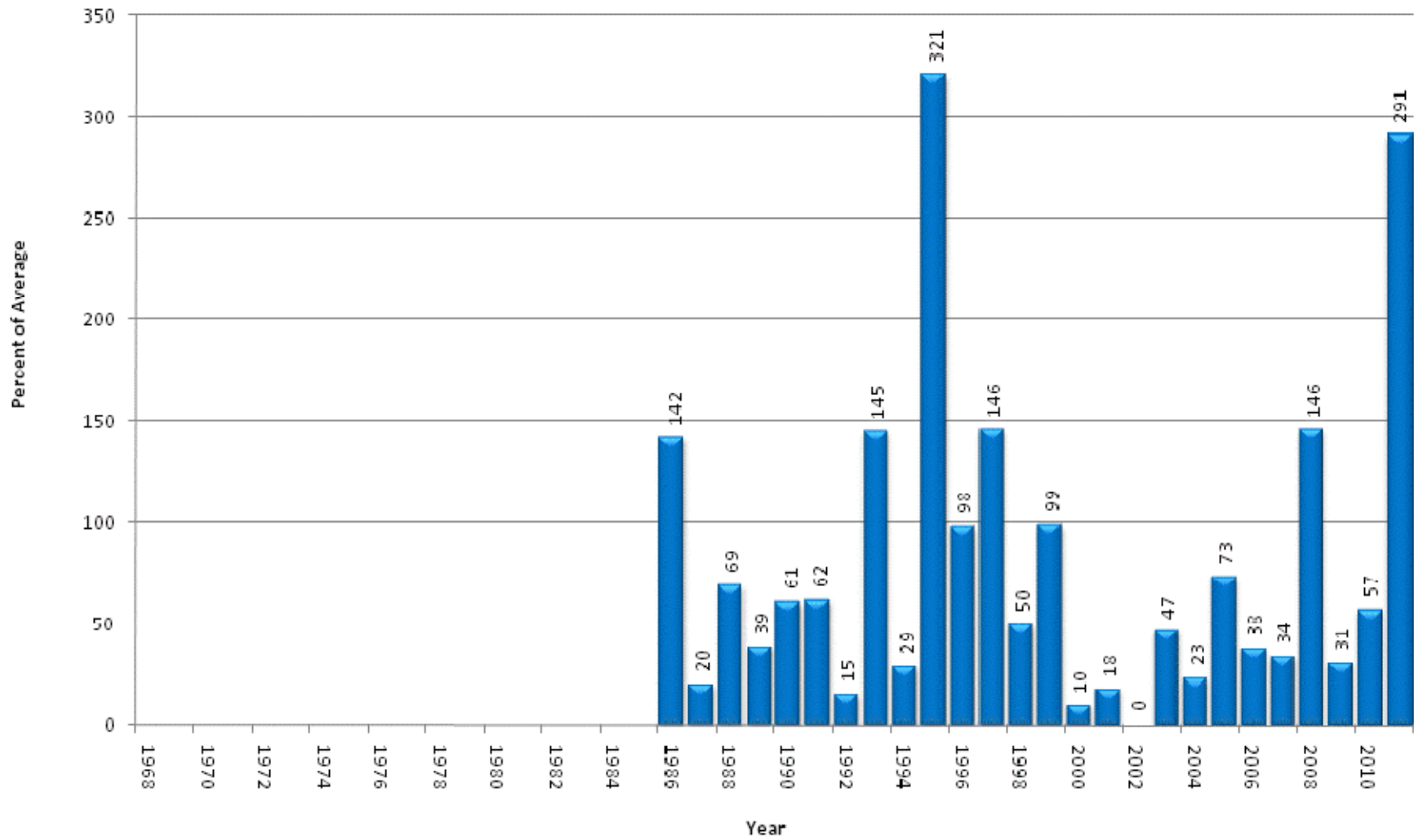


This is an automated product based solely on SNOTEL data, provisional data are subject to change. This product is a statistically based guidance forecast combining indices of snowpack and precipitation. **Yellow squares** are the official outlooks. **Gray background** is the historical period of record variability. This product does not consider climate information such as El Niño or short range weather forecasts, or a variety of other factors considered in the official forecasts. This product is not meant to replace or supersede the official forecasts produced in coordination with the National Weather Service. Science Contact: Jim.Marron@por.usda.gov www.wcc.nrcs.usda.gov/wsf/daily_forecasts.html

Colorado River Basin Summary

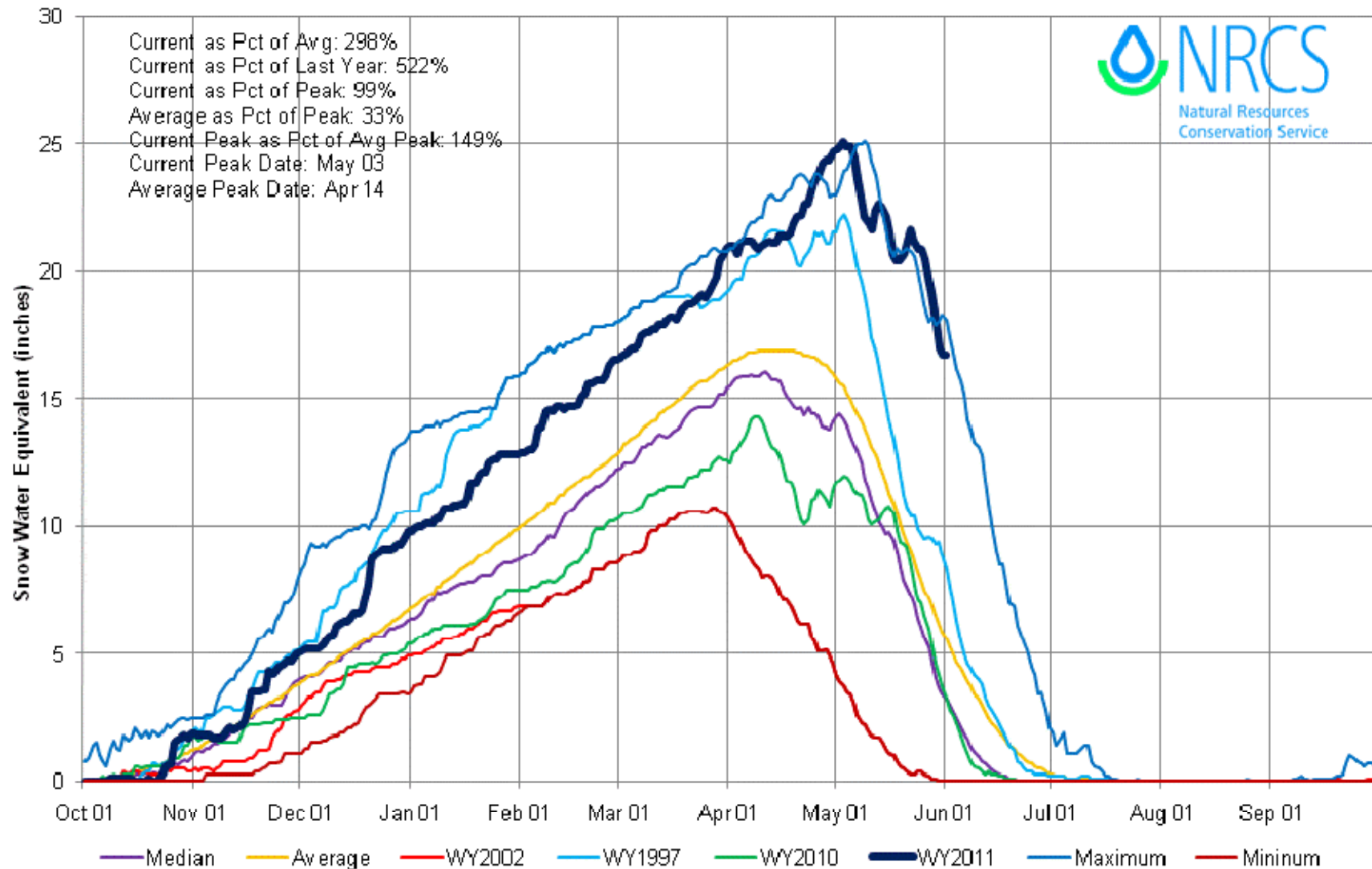


June 1 Total Colorado River Basin Snowpack



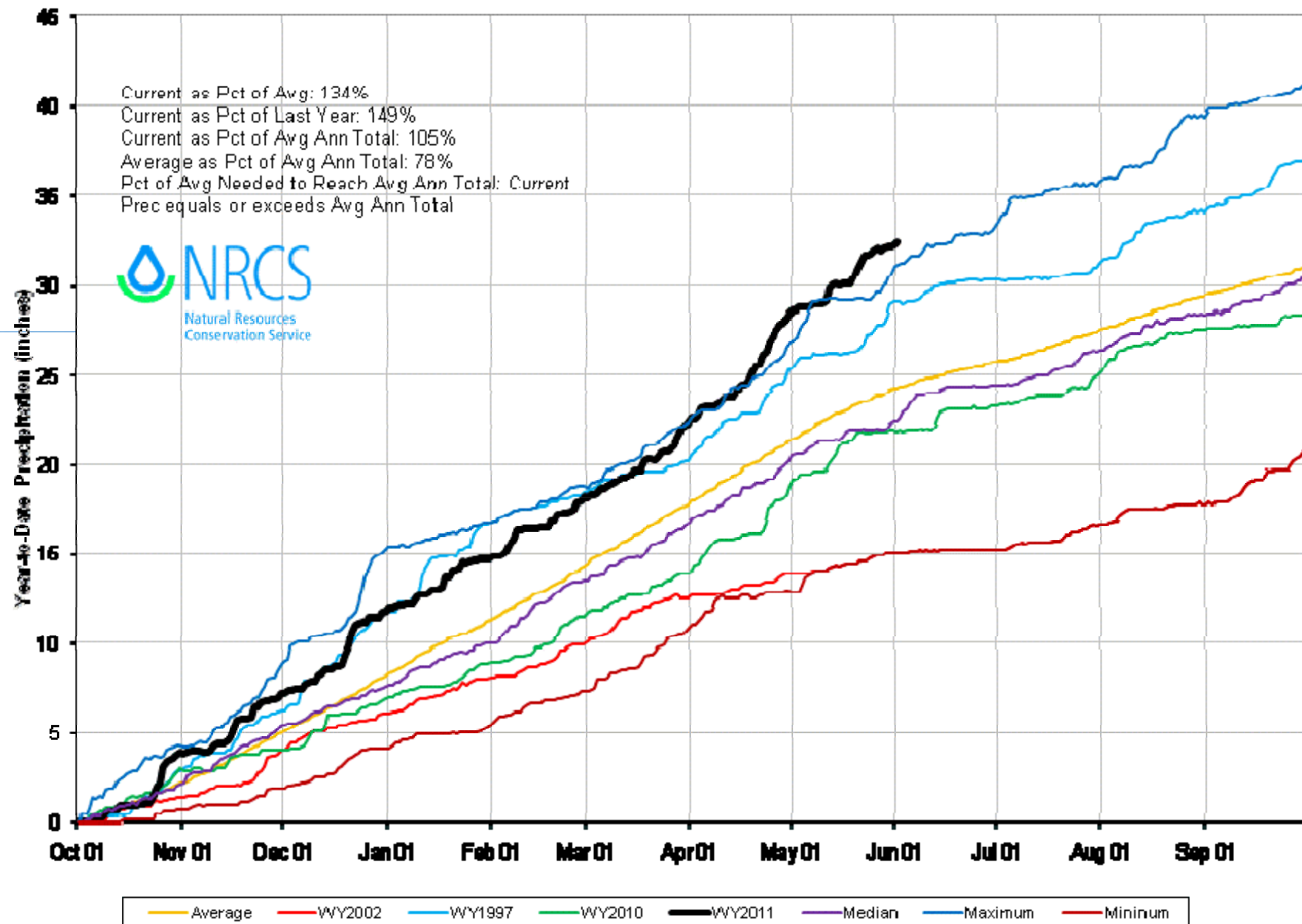
Upper Colorado River Basin High/Low Snowpack Summary

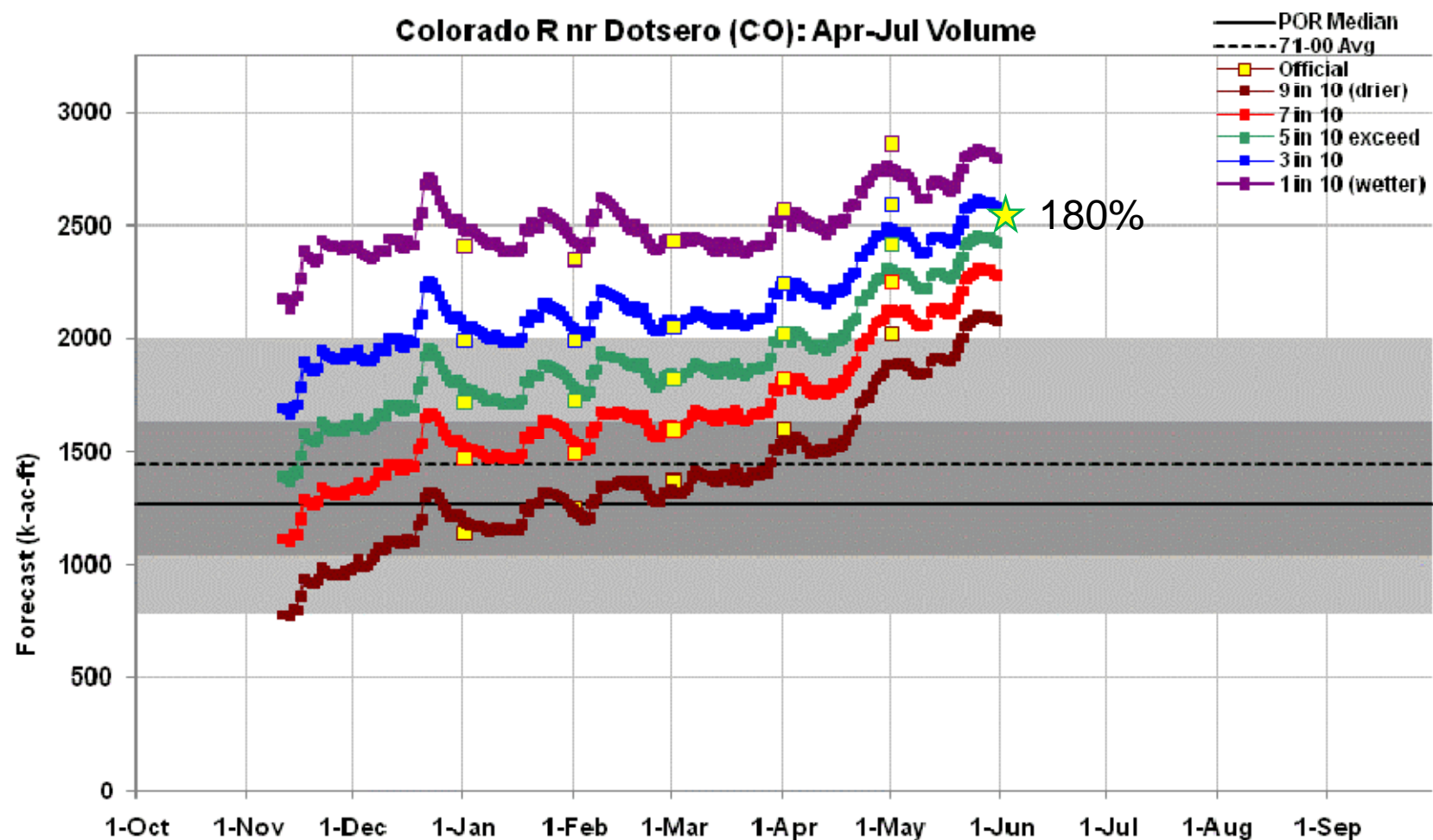
Based on Provisional SNOTEL data as of Jun 01, 2011



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

Based on Provisional SNOTEL data as of Jun 01, 2011





Created 11:22 May 31 2011

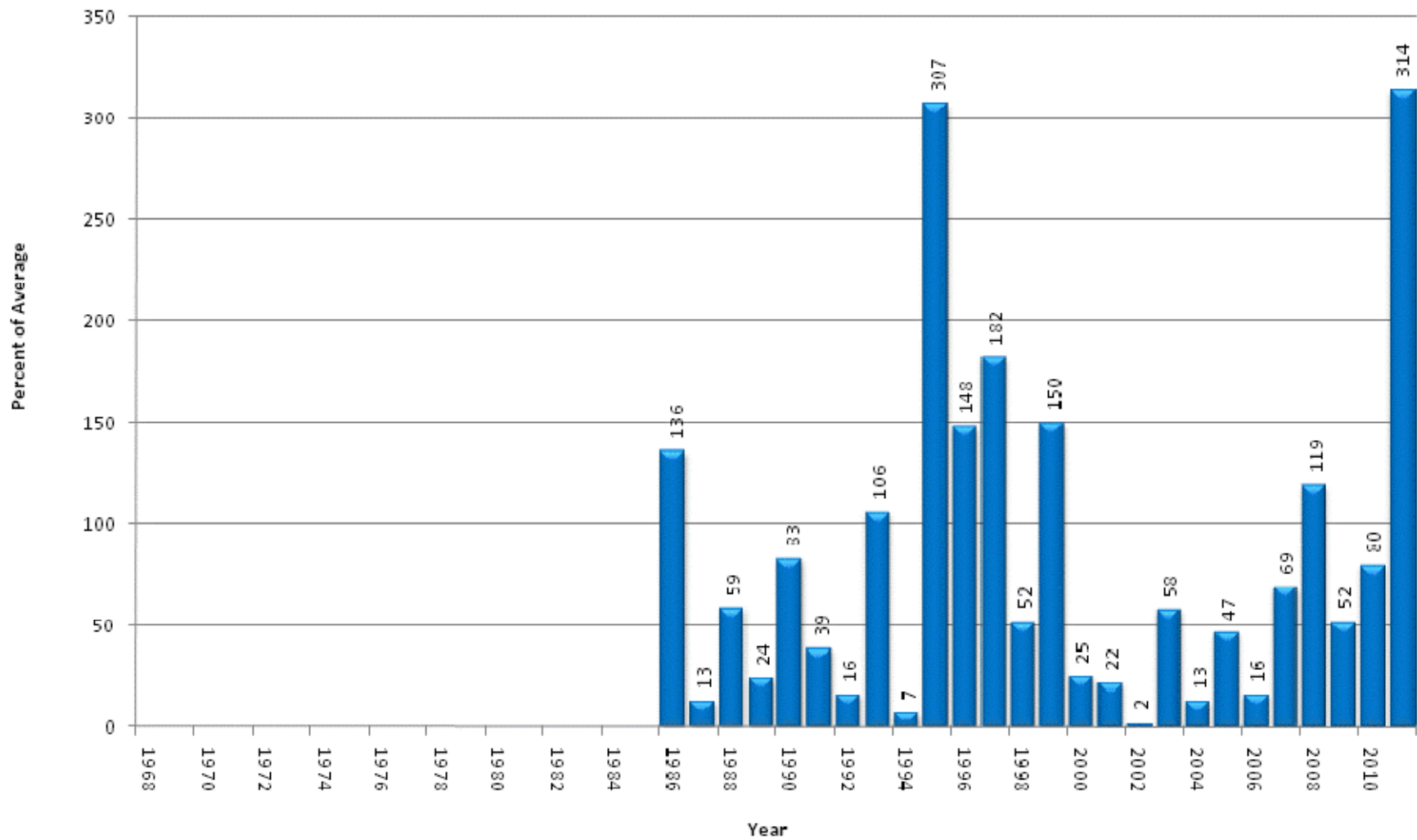


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South Platte River Basin Summary

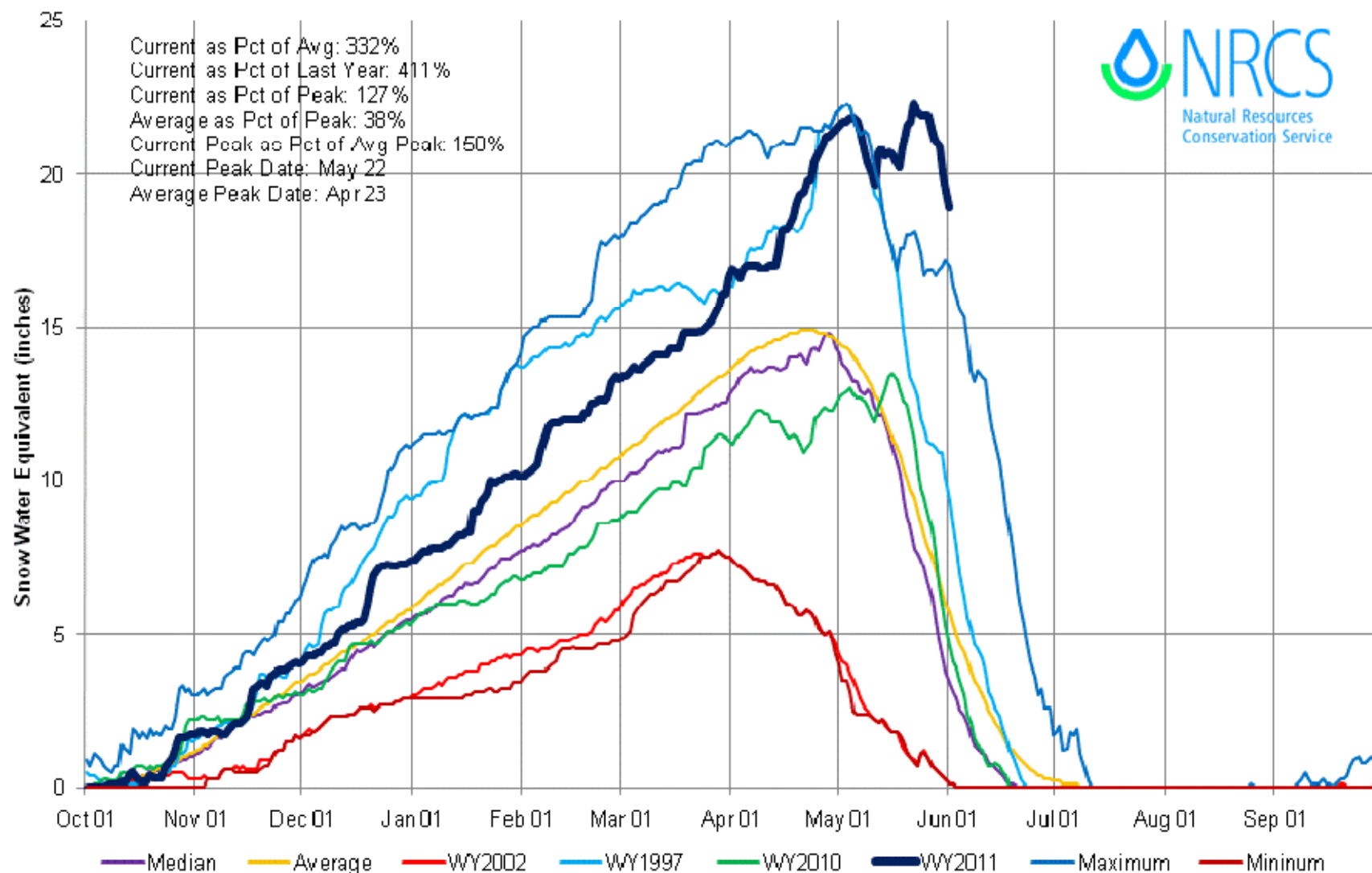


June 1 Total South Platte River Basin Snowpack



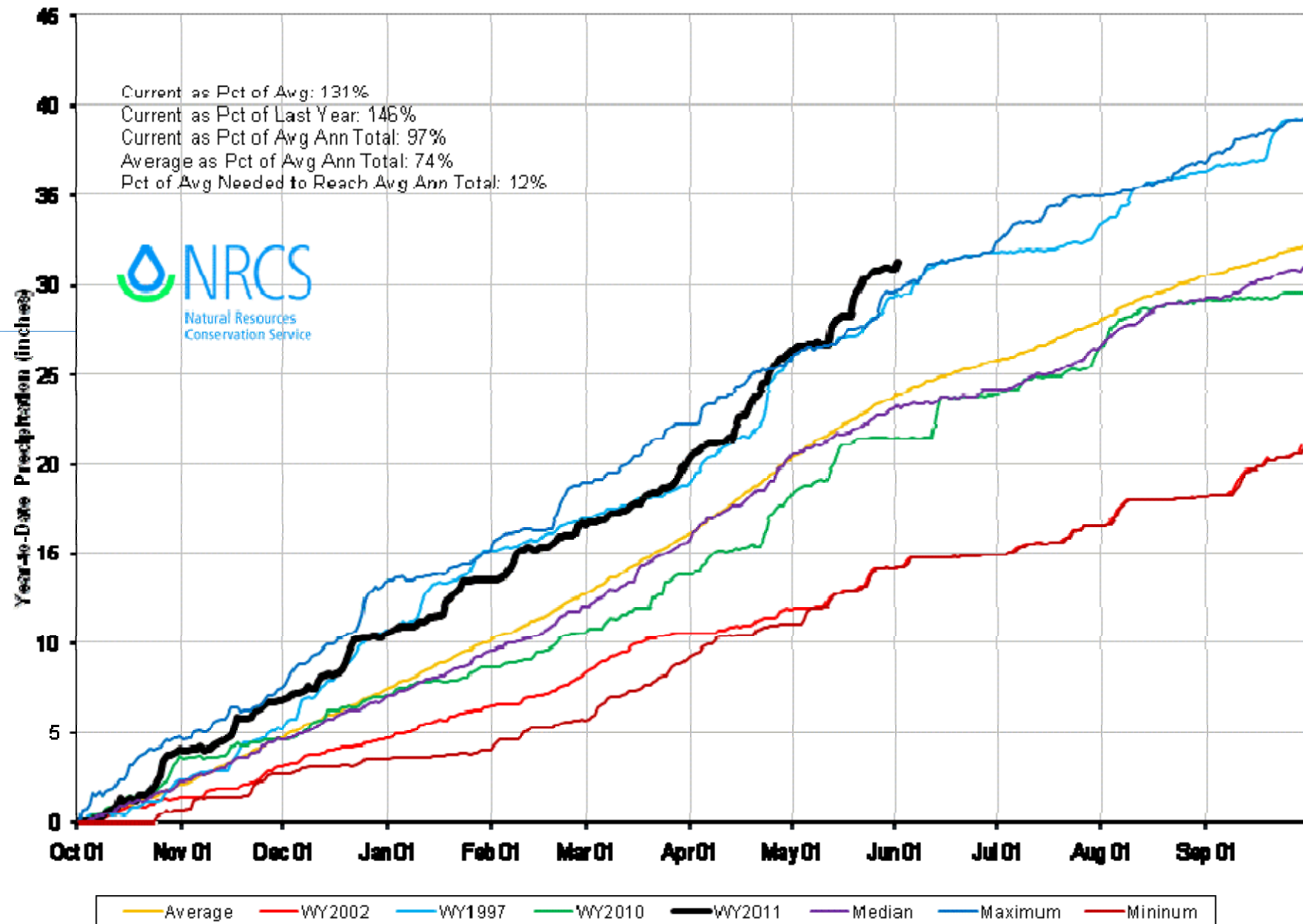
South Platte River Basin High/Low Snowpack Summary

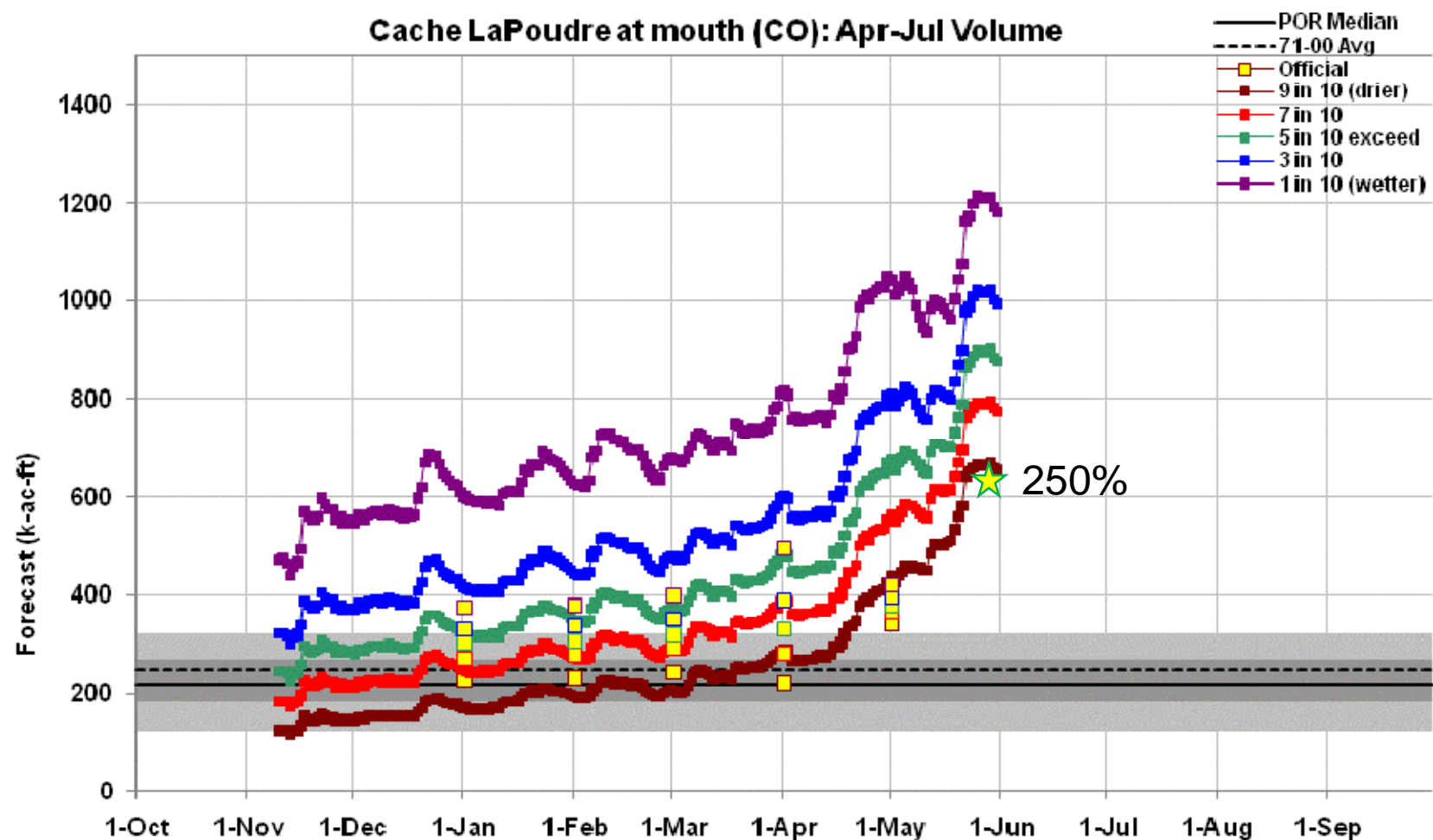
Based on Provisional SNOTEL data as of Jun 01, 2011



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

Based on Provisional SNOTEL data as of Jun 01, 2011



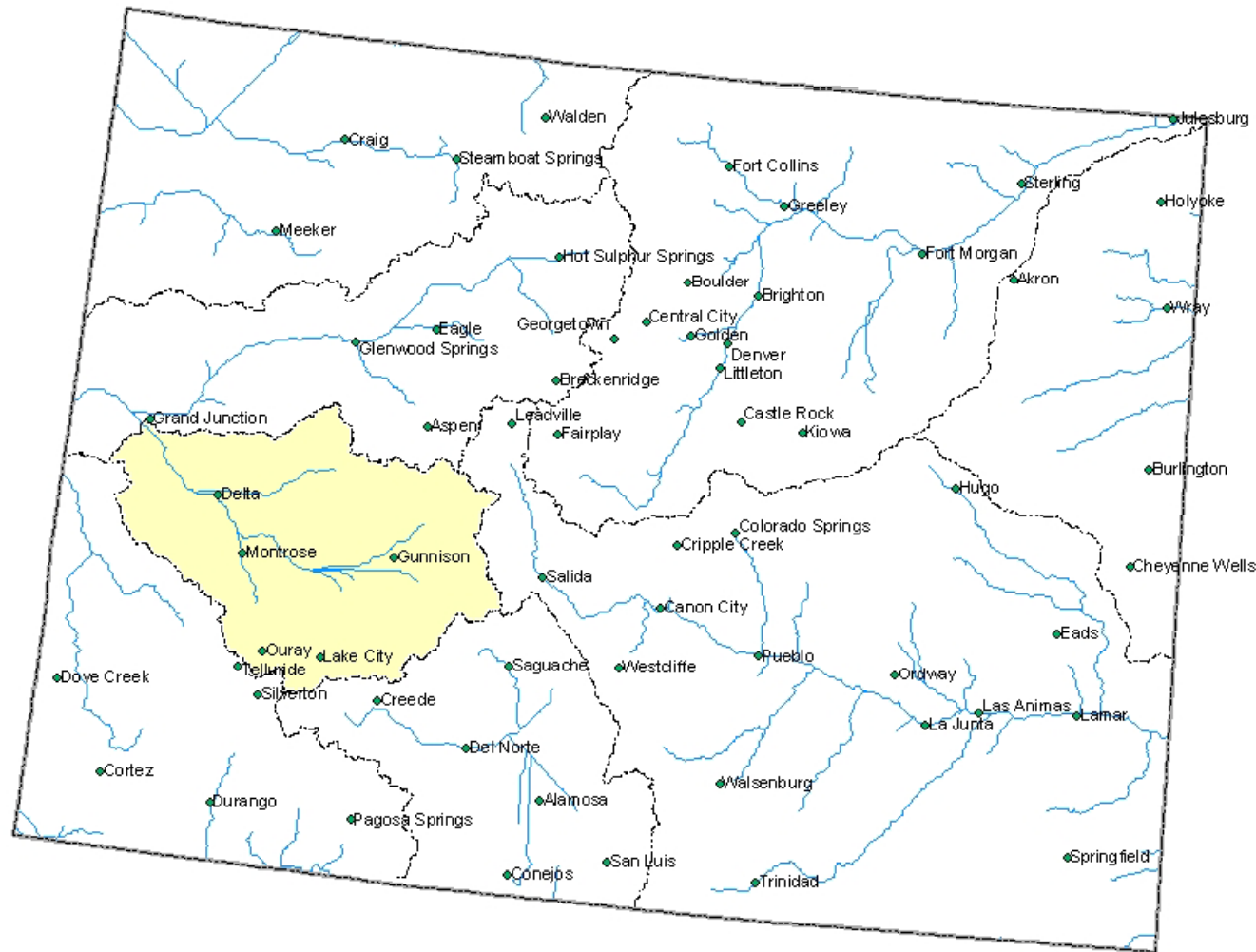


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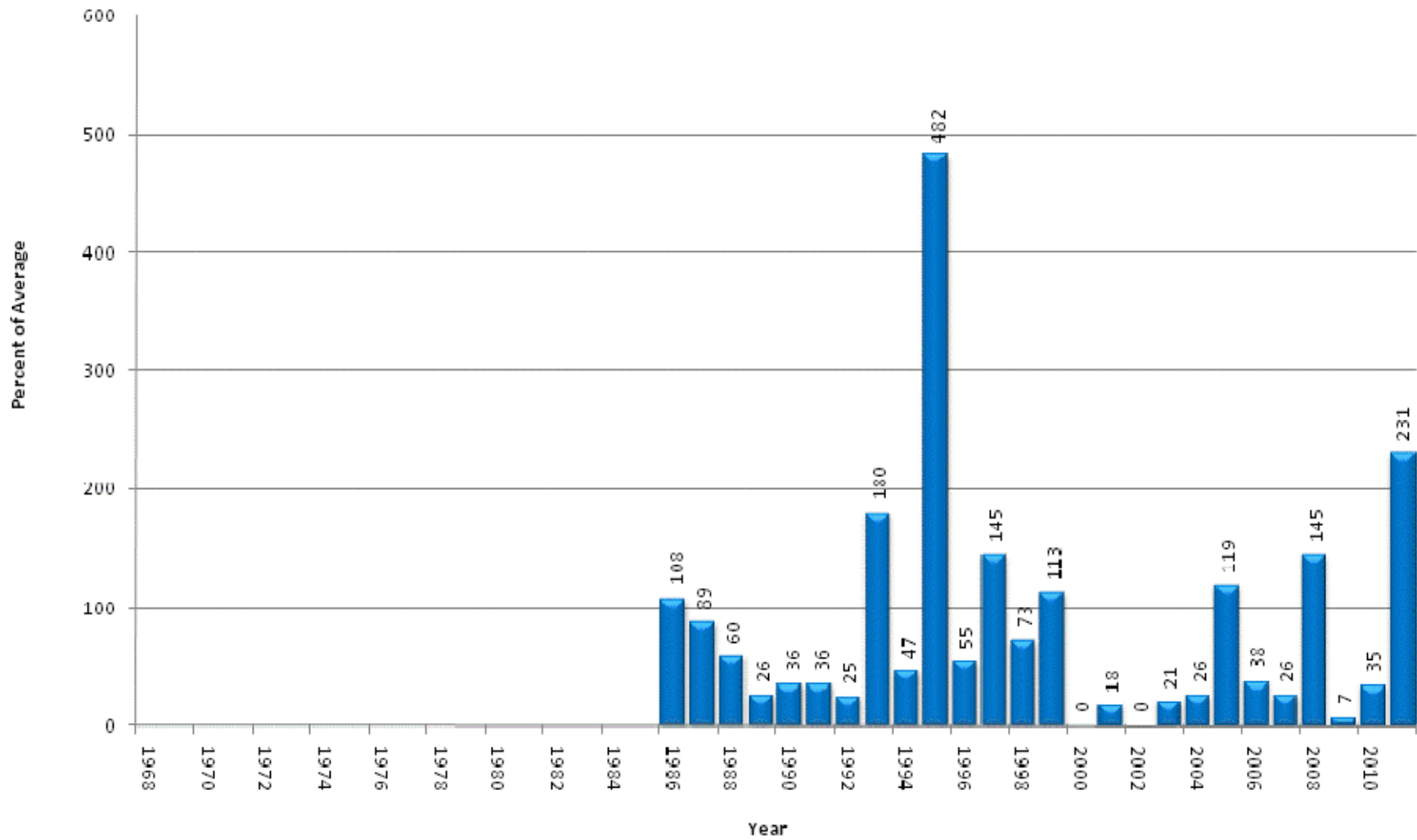


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Gunnison River Basin Summary

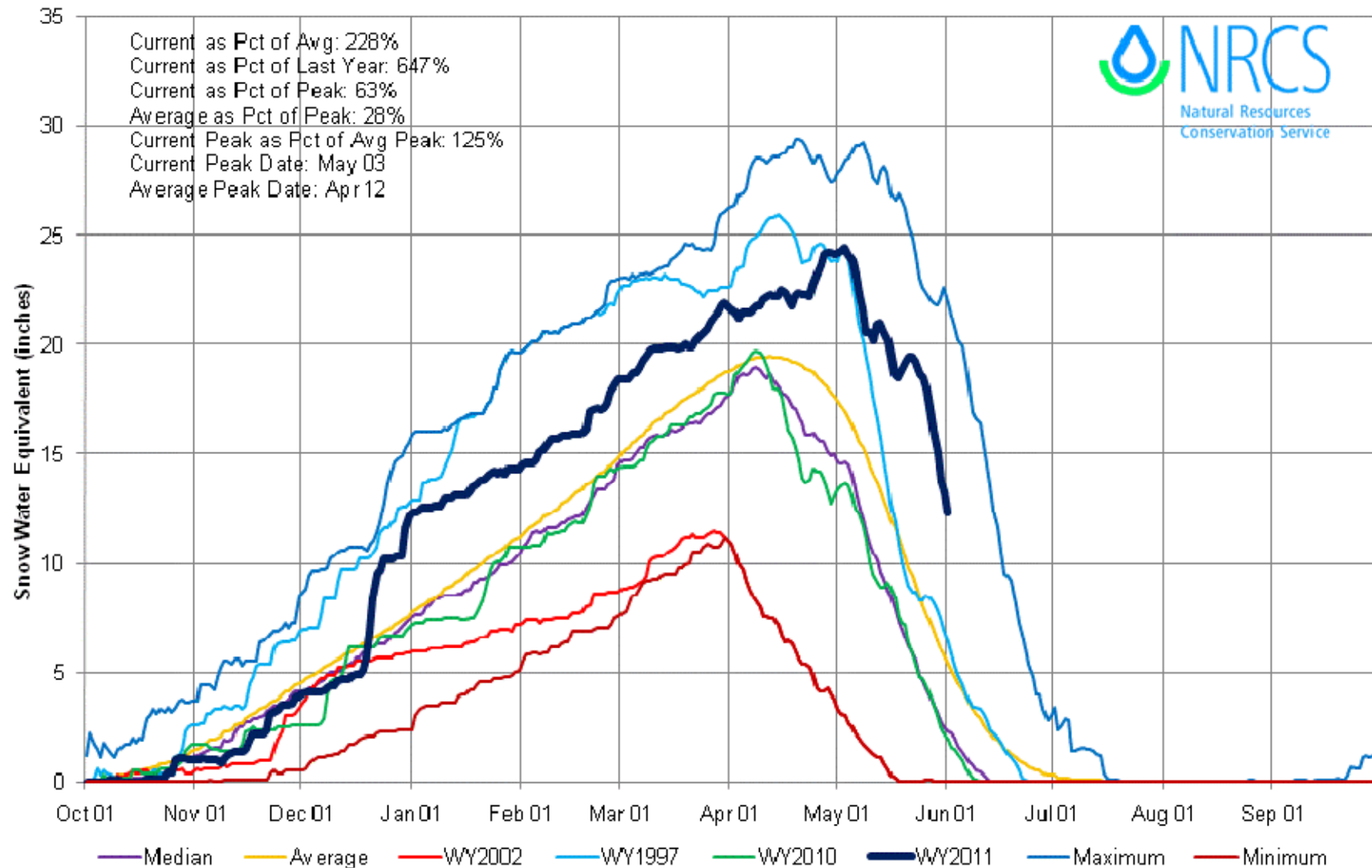


June 1 Total Gunnison River Basin Snowpack



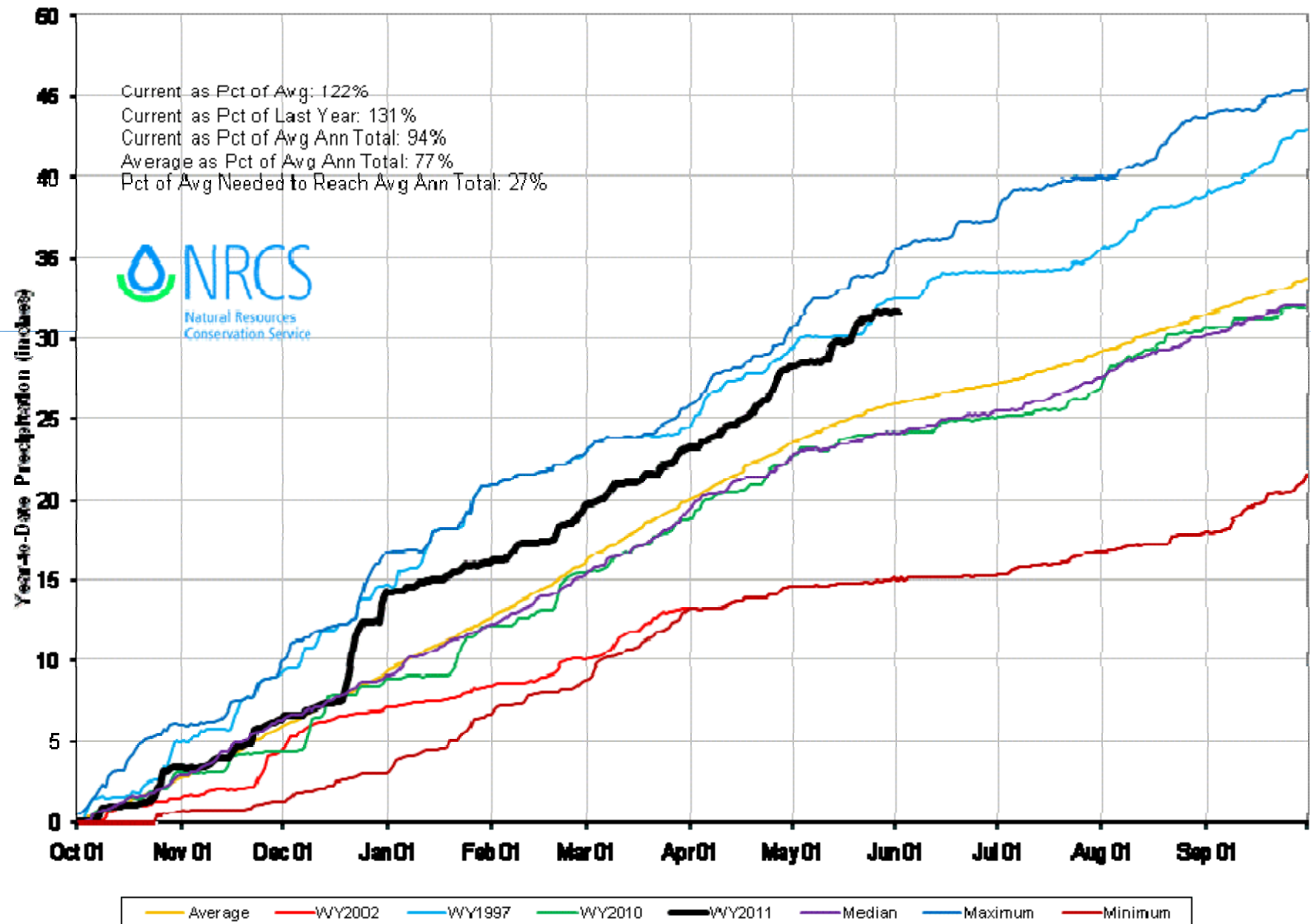
Gunnison River Basin High/Low Snowpack Summary

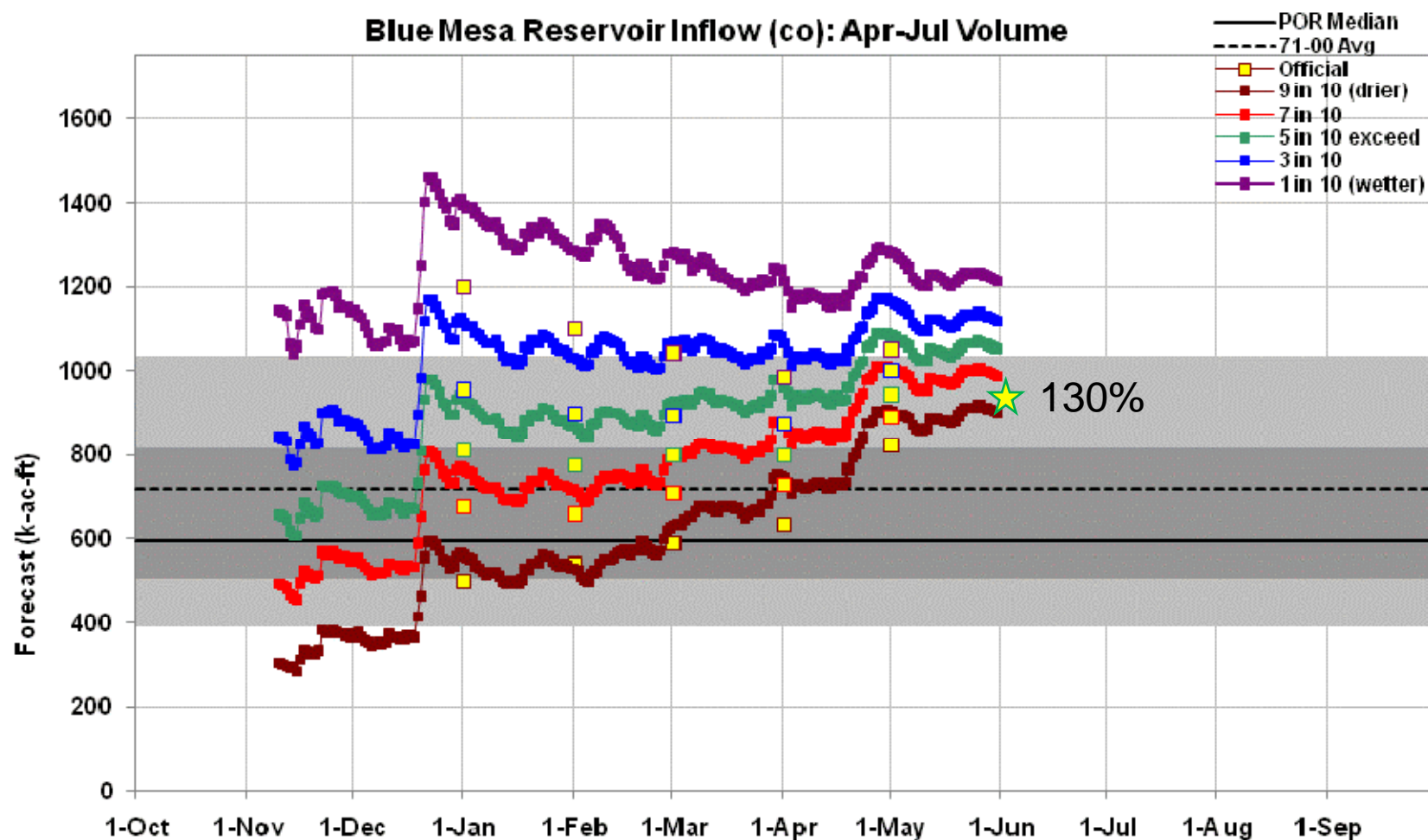
Based on Provisional SNOTEL data as of Jun 01, 2011



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

Based on Provisional SNOTEL data as of Jun 01, 2011



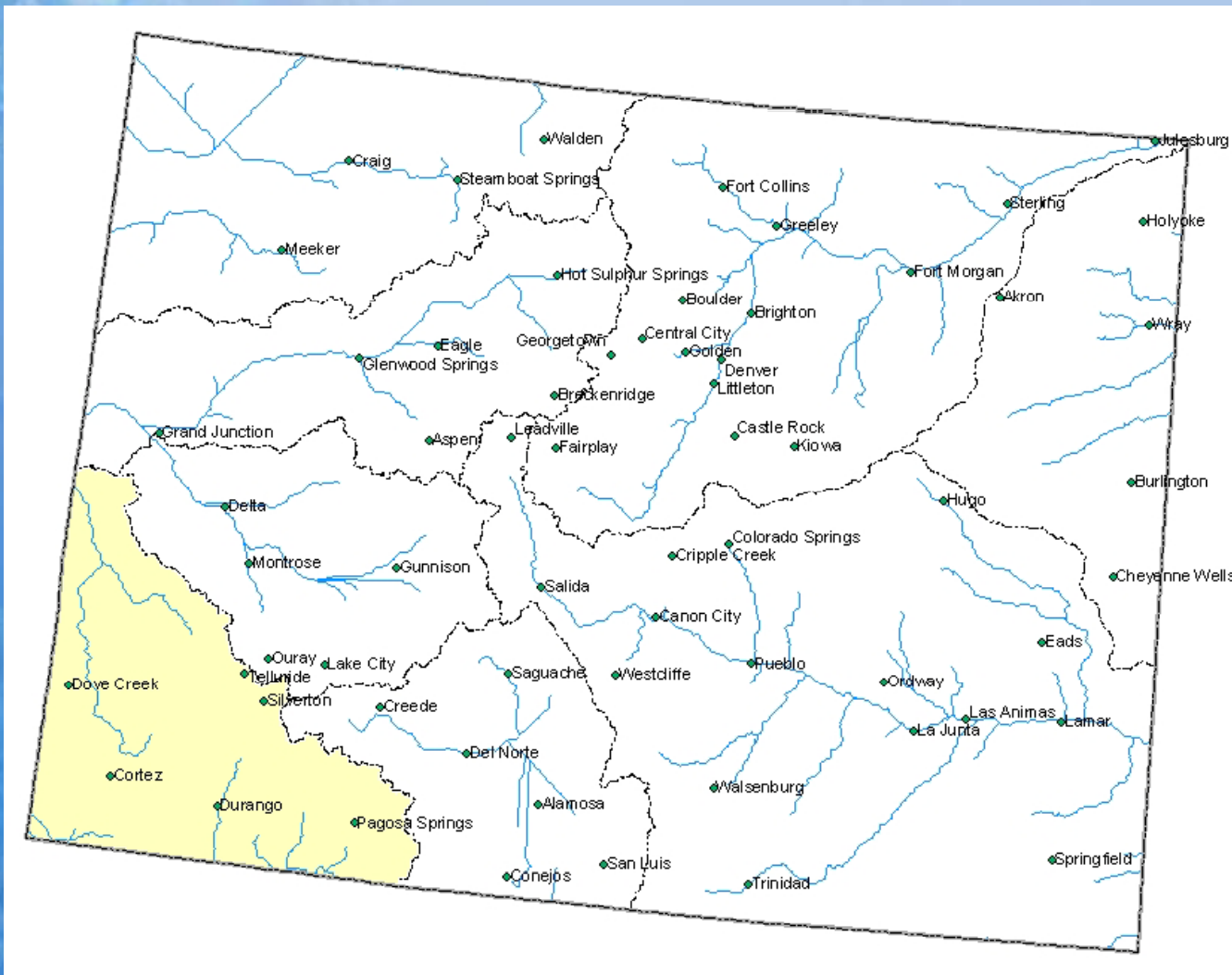


Created 11:27 May 31 2011

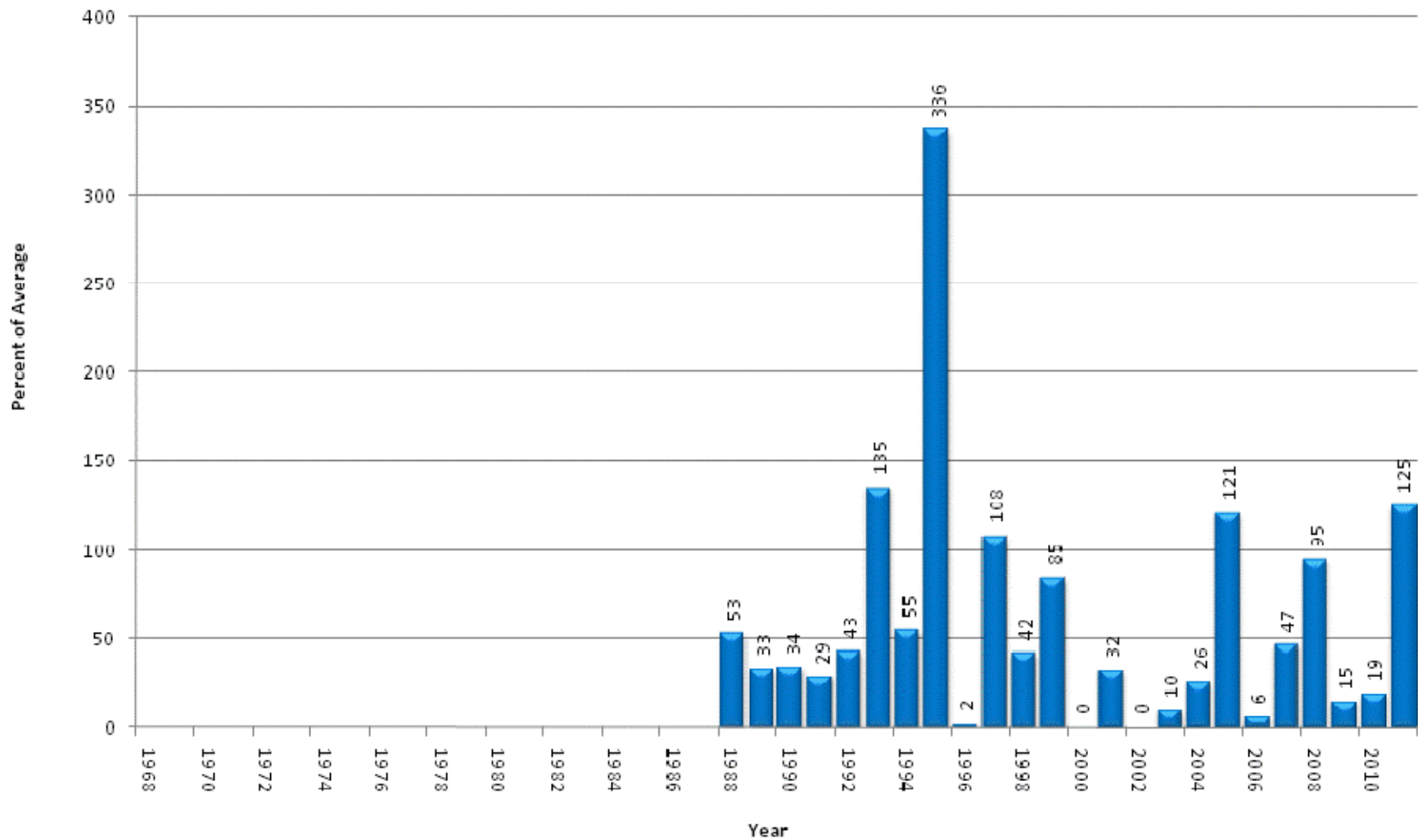


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San Miguel, Dolores, Animas & San Juan River Basins Summary

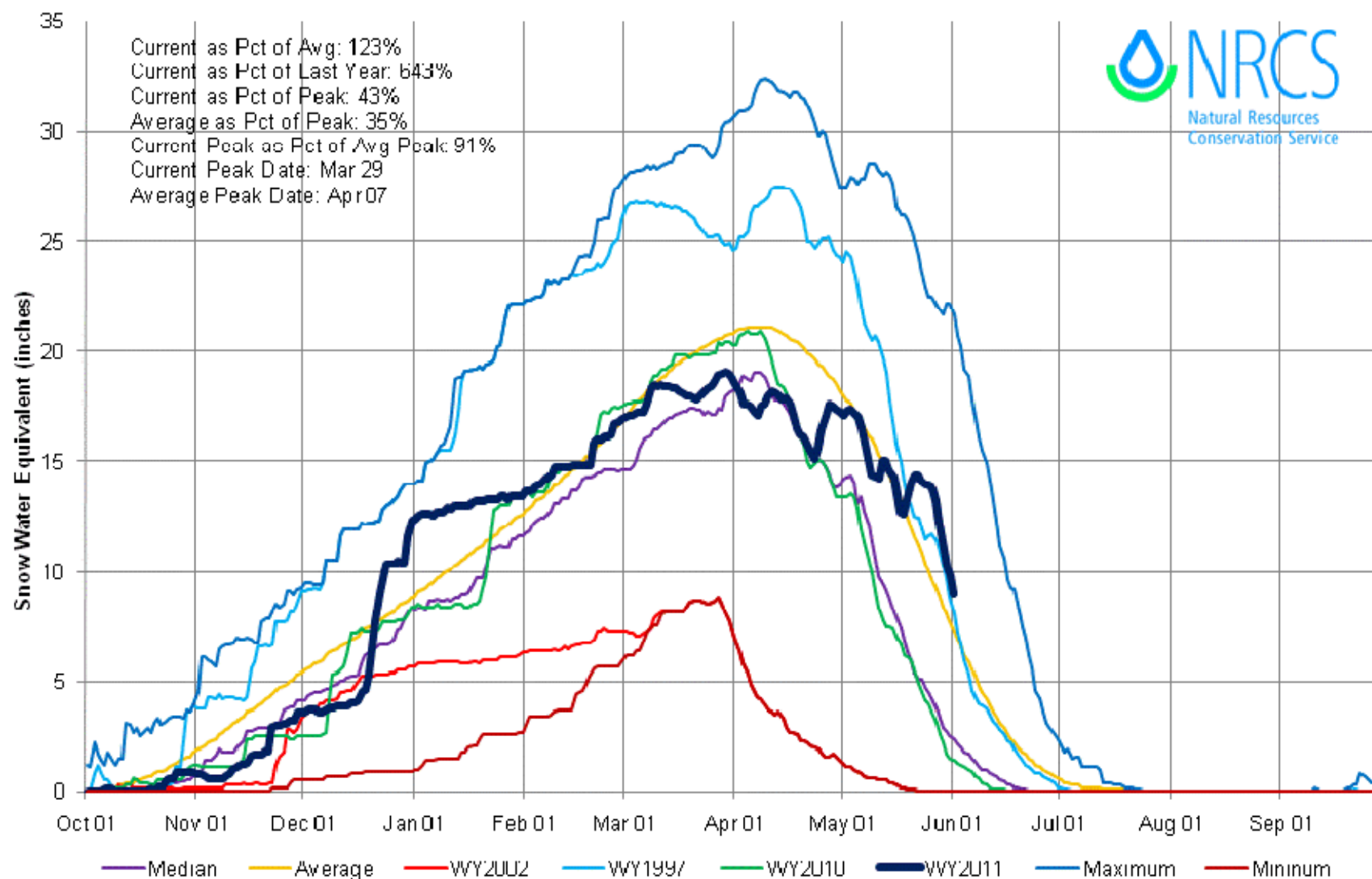


June 1 Total San Miguel, Dolores, Animas & San Juan River Basins Snowpack

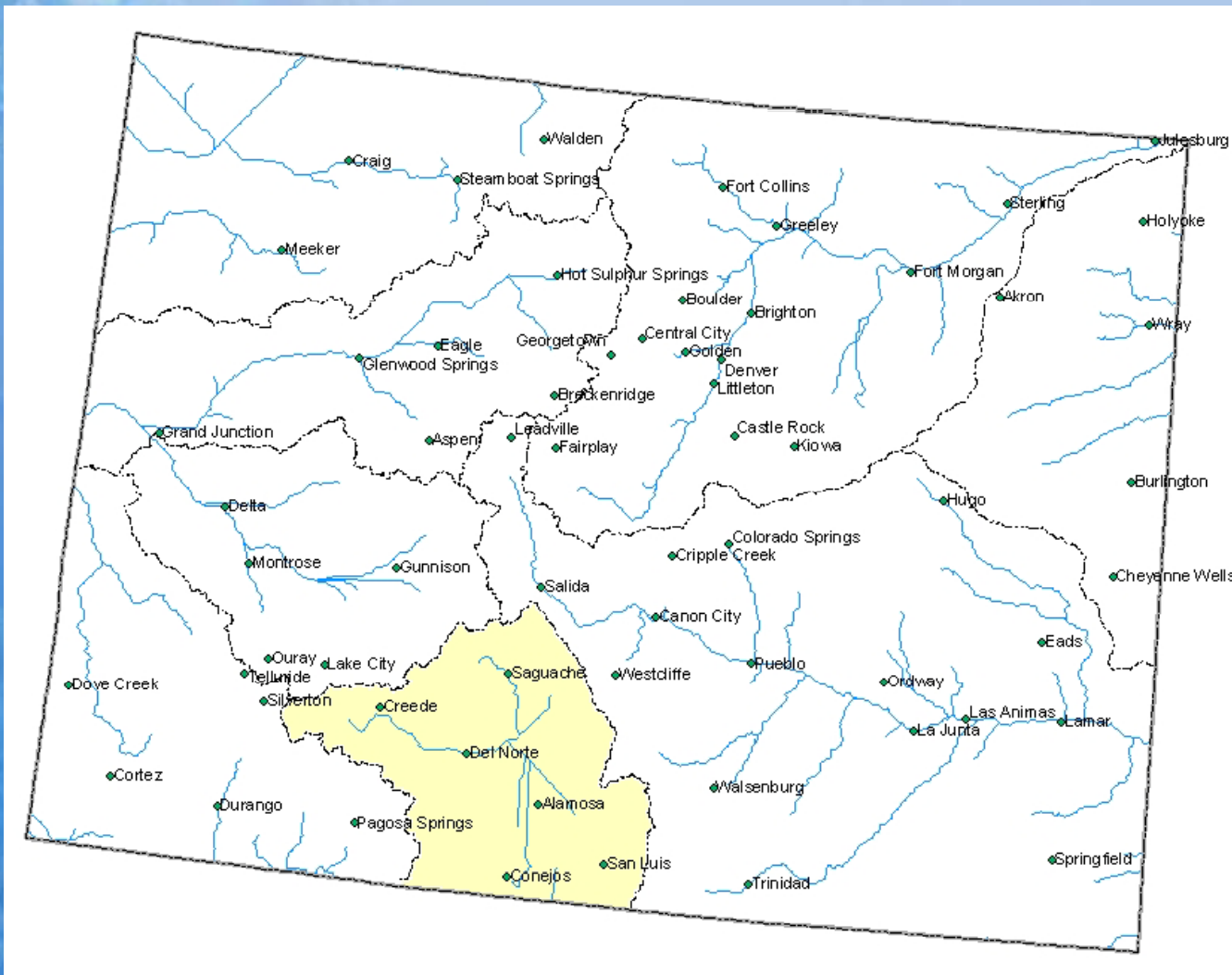


San Miguel, Dolores, Animas & San Juan River Basins High/Low Snowpack Summary

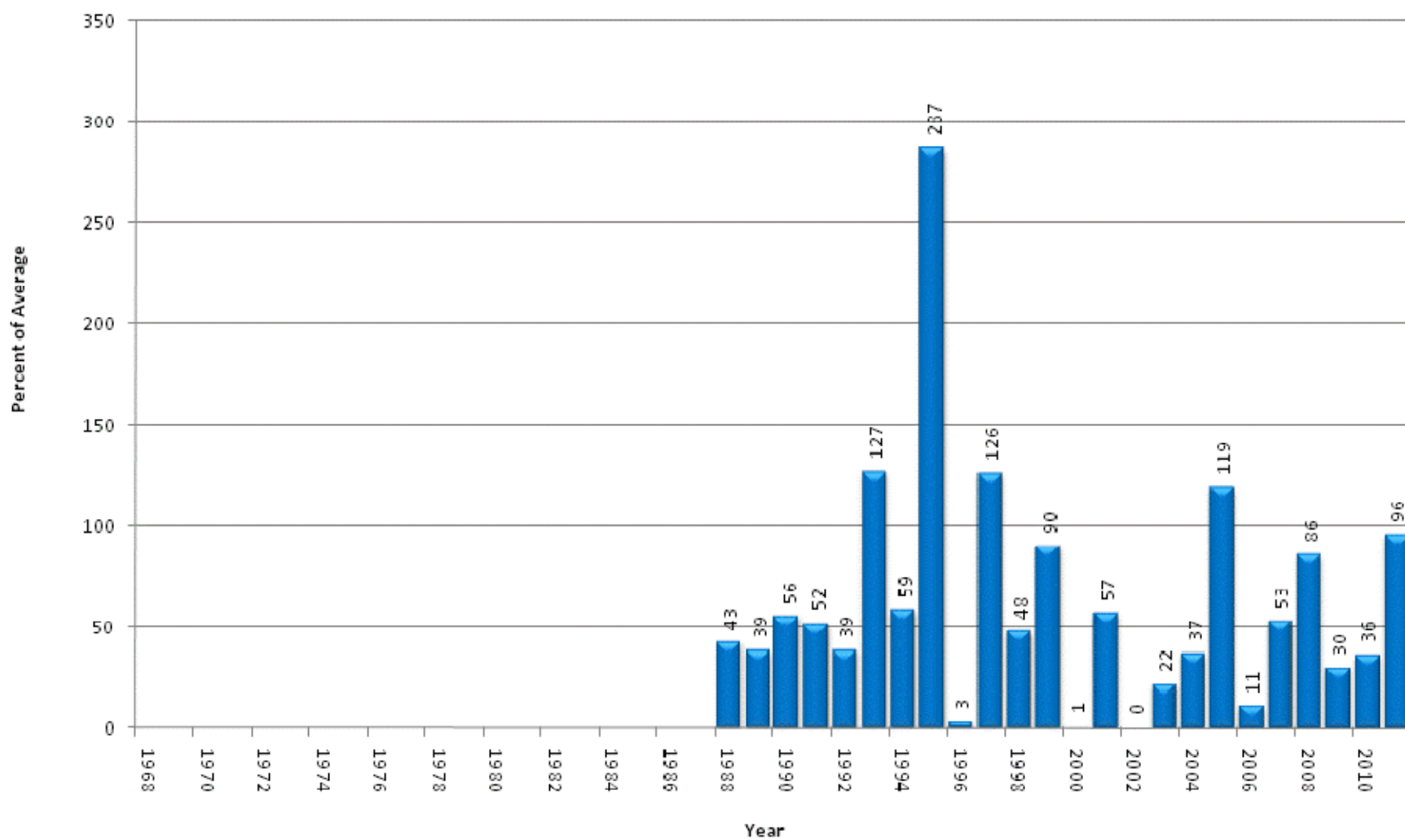
Based on Provisional SNOTEL data as of Jun 01, 2011



Upper Rio Grande Basin Summary

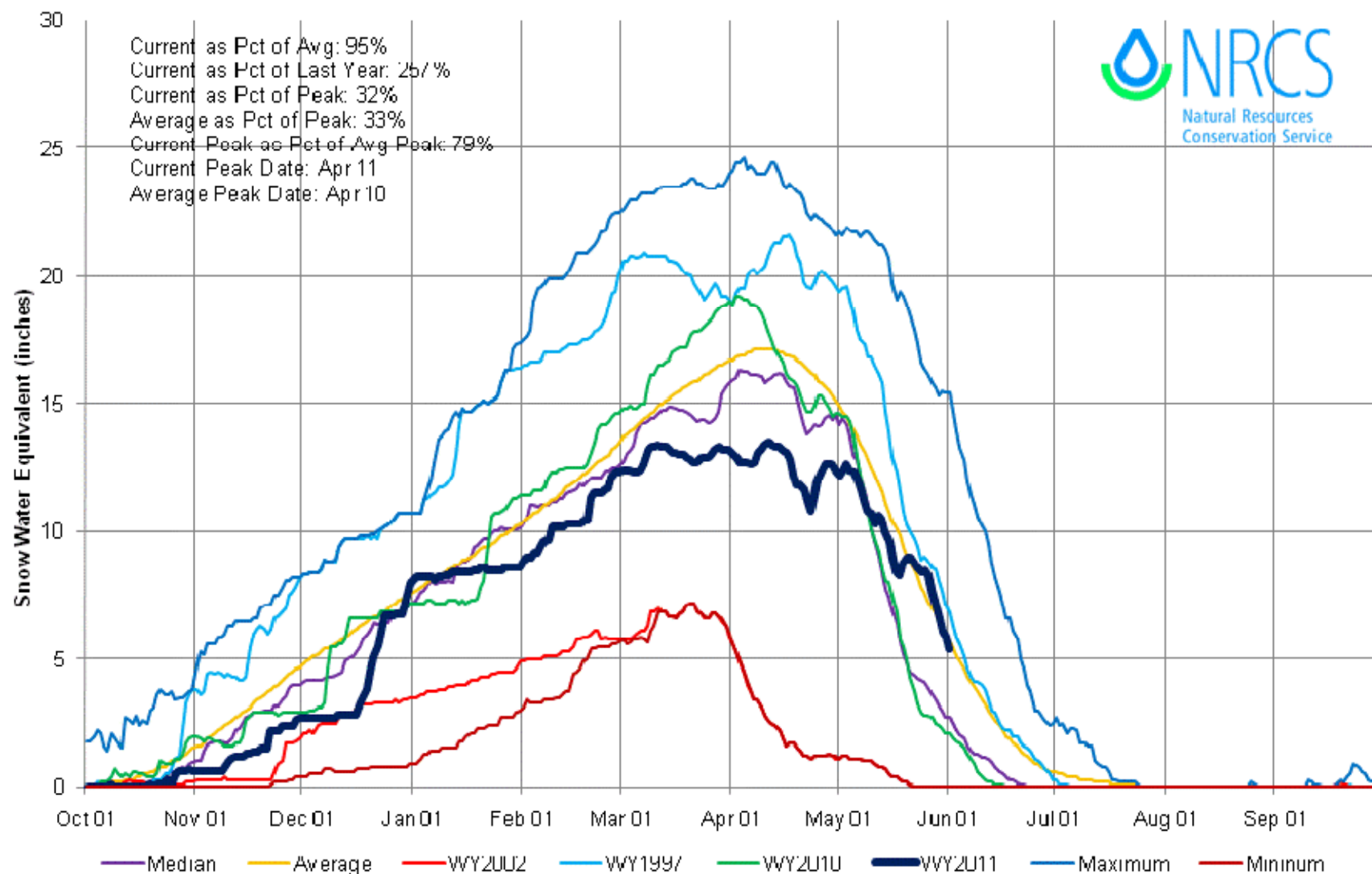


June 1 Total Upper Rio Grande Basin Snowpack



Upper Rio Grande Basin High/Low Snowpack Summary

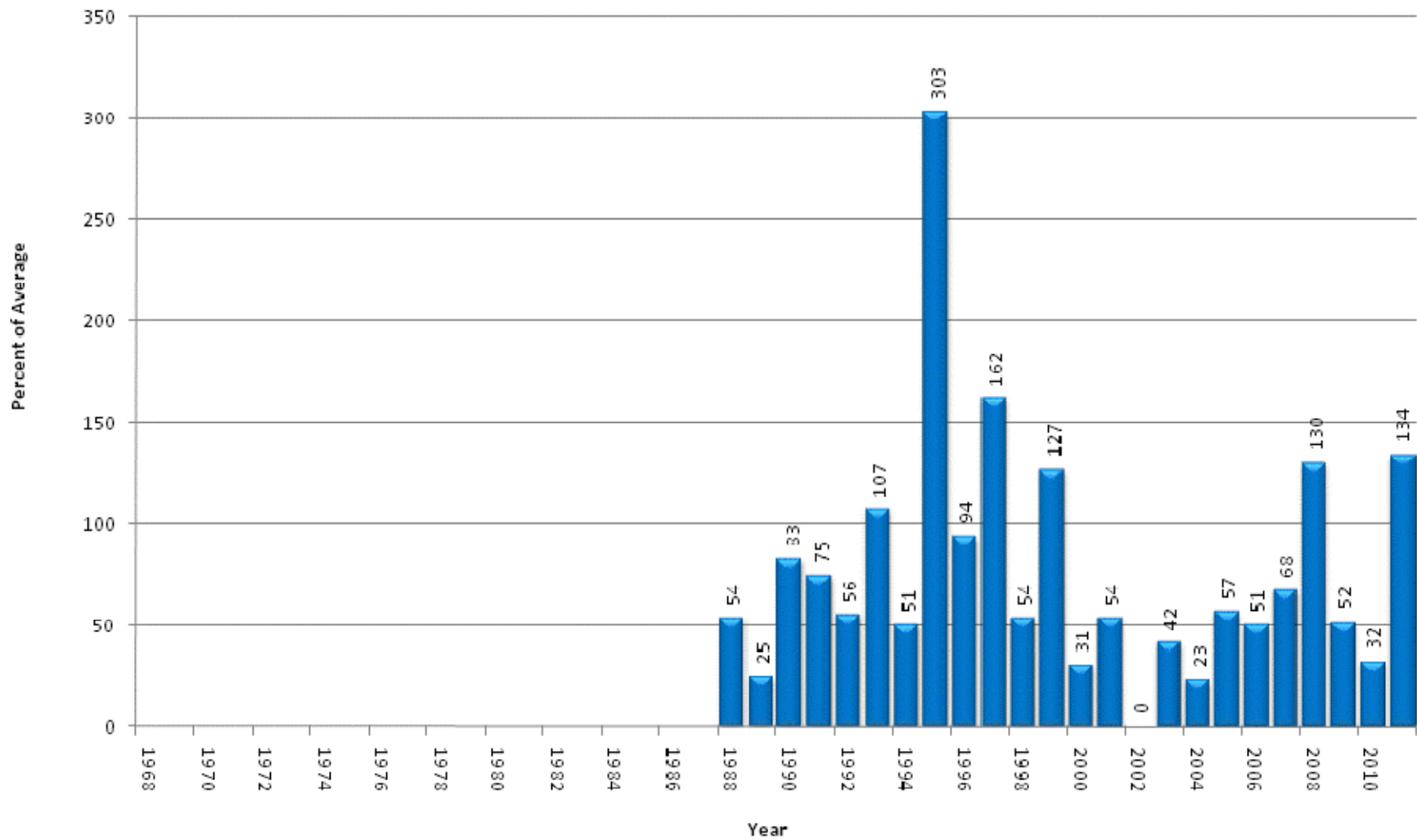
Based on Provisional SNOTEL data as of Jun 01, 2011



Arkansas River Basin Summary

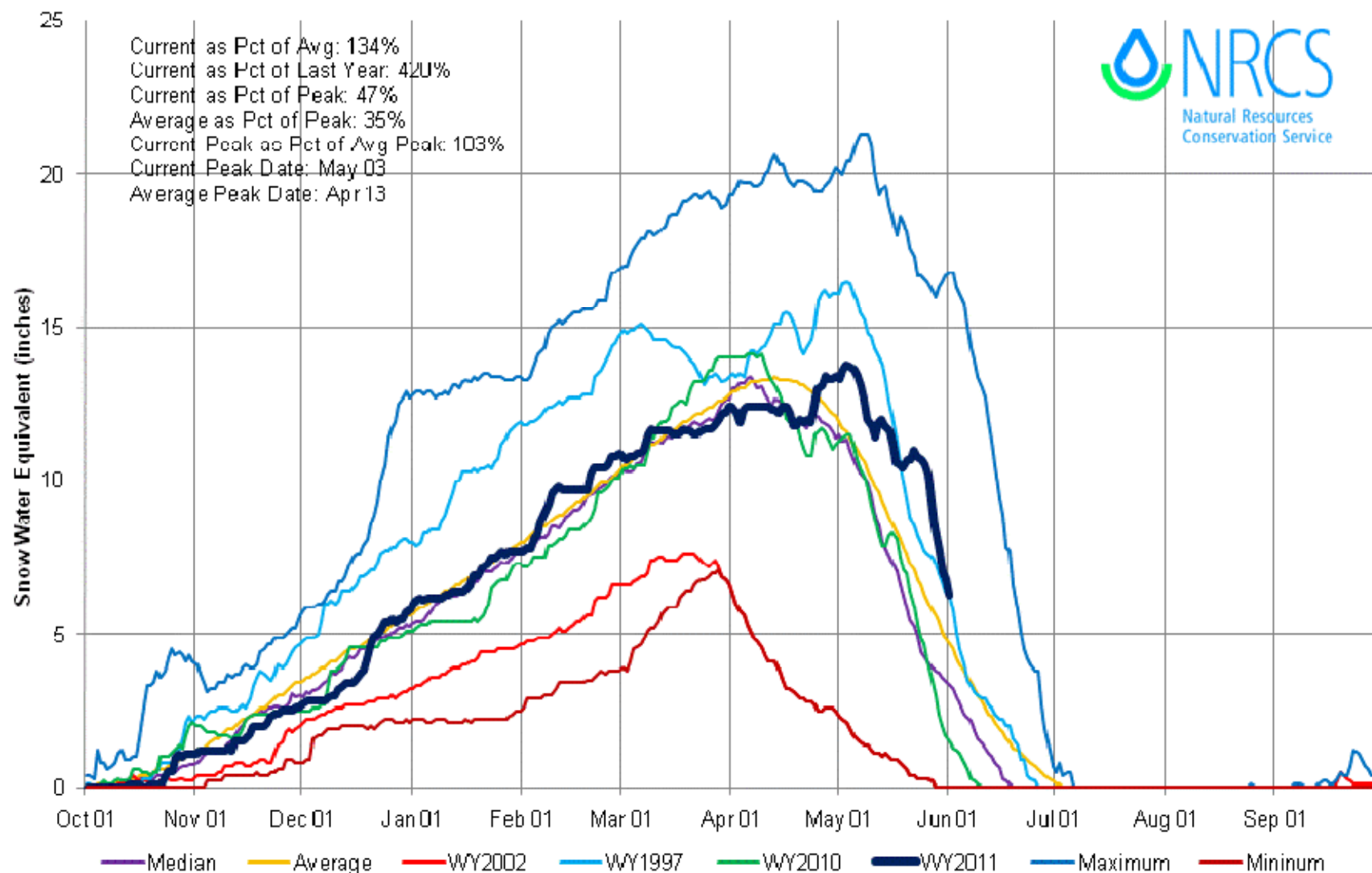


June 1 Total Arkansas River Basin Snowpack



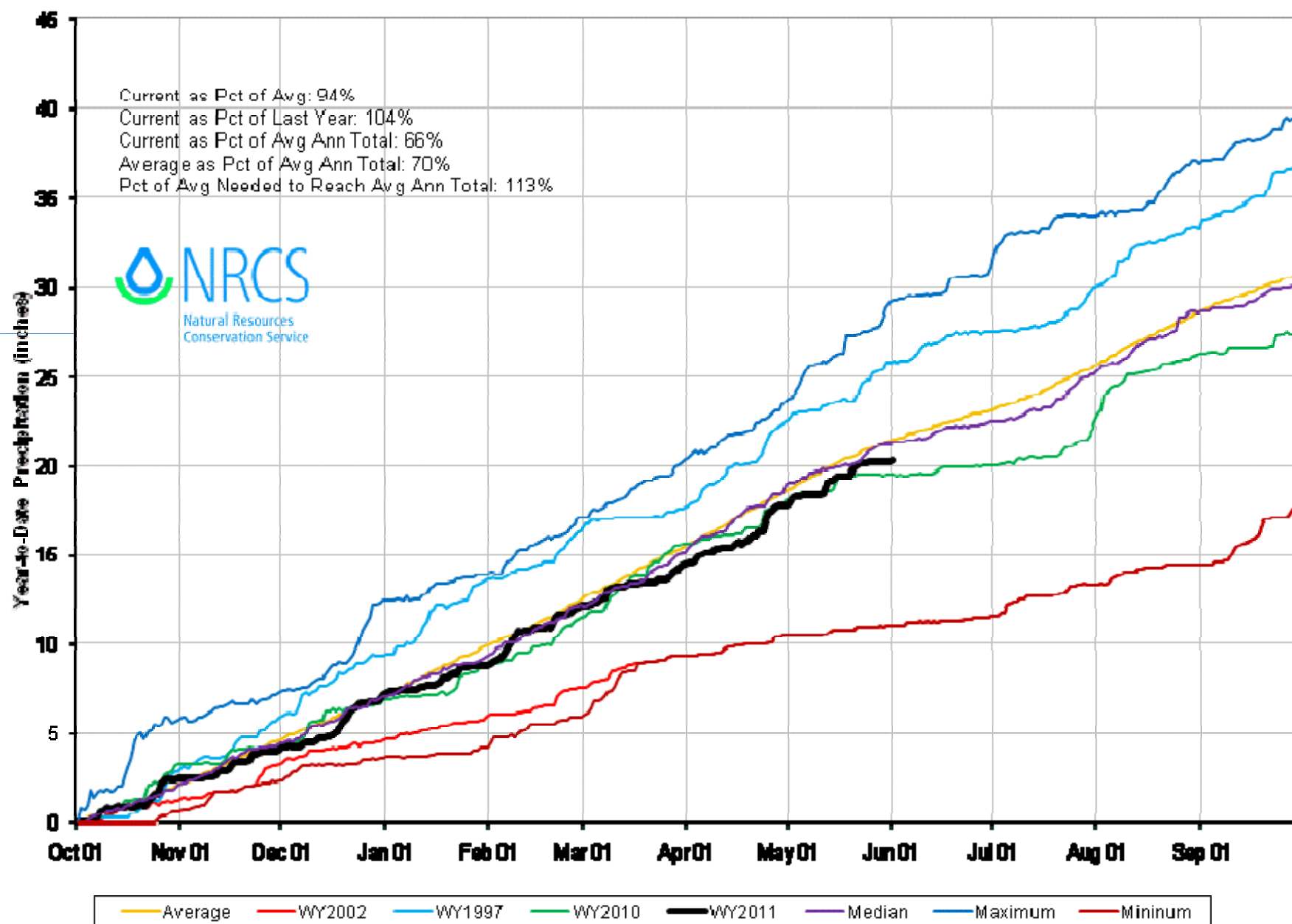
Arkansas River Basin High/Low Snowpack Summary

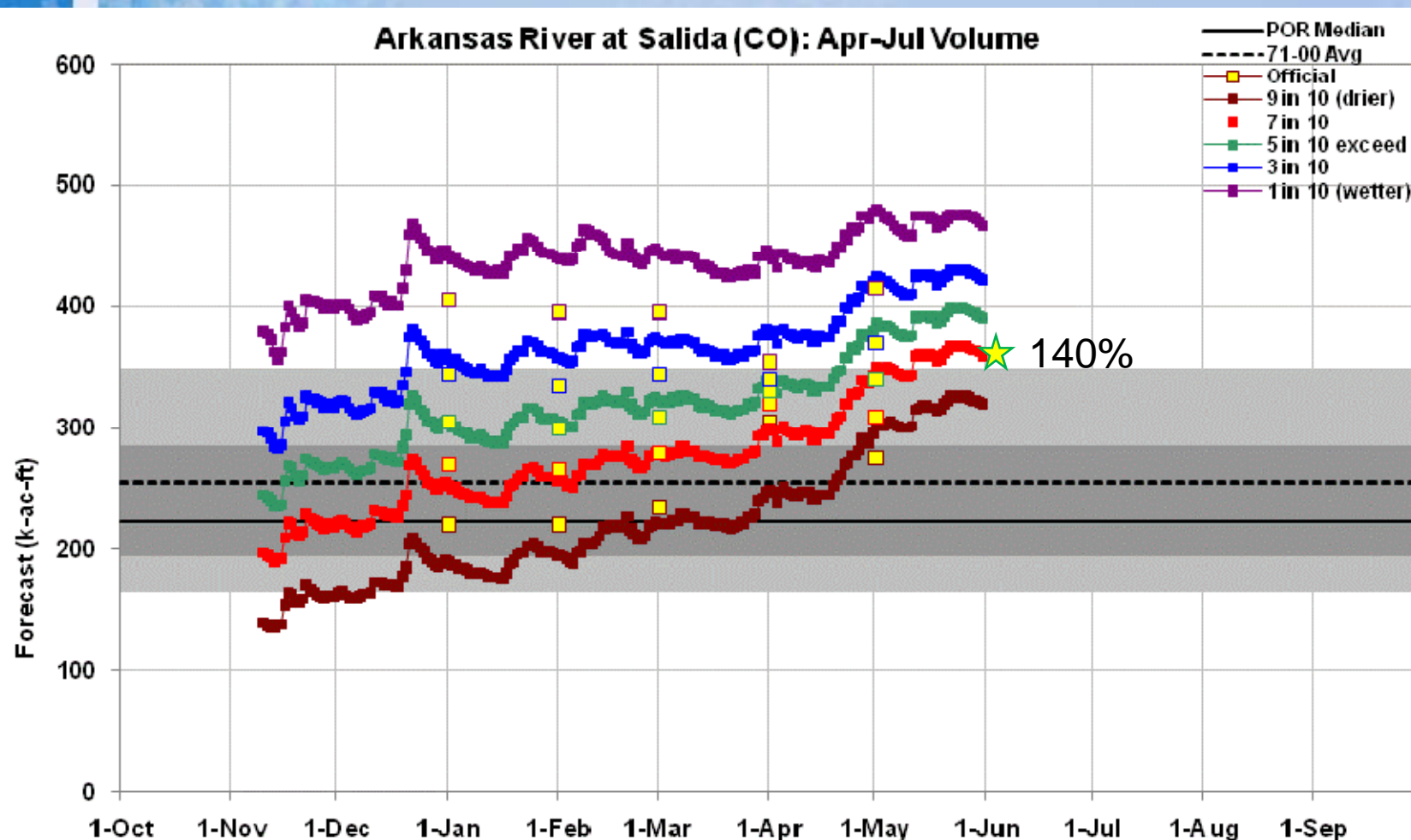
Based on Provisional SNOTEL data as of Jun 01, 2011



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

Based on Provisional SNOTEL data as of Jun 01, 2011



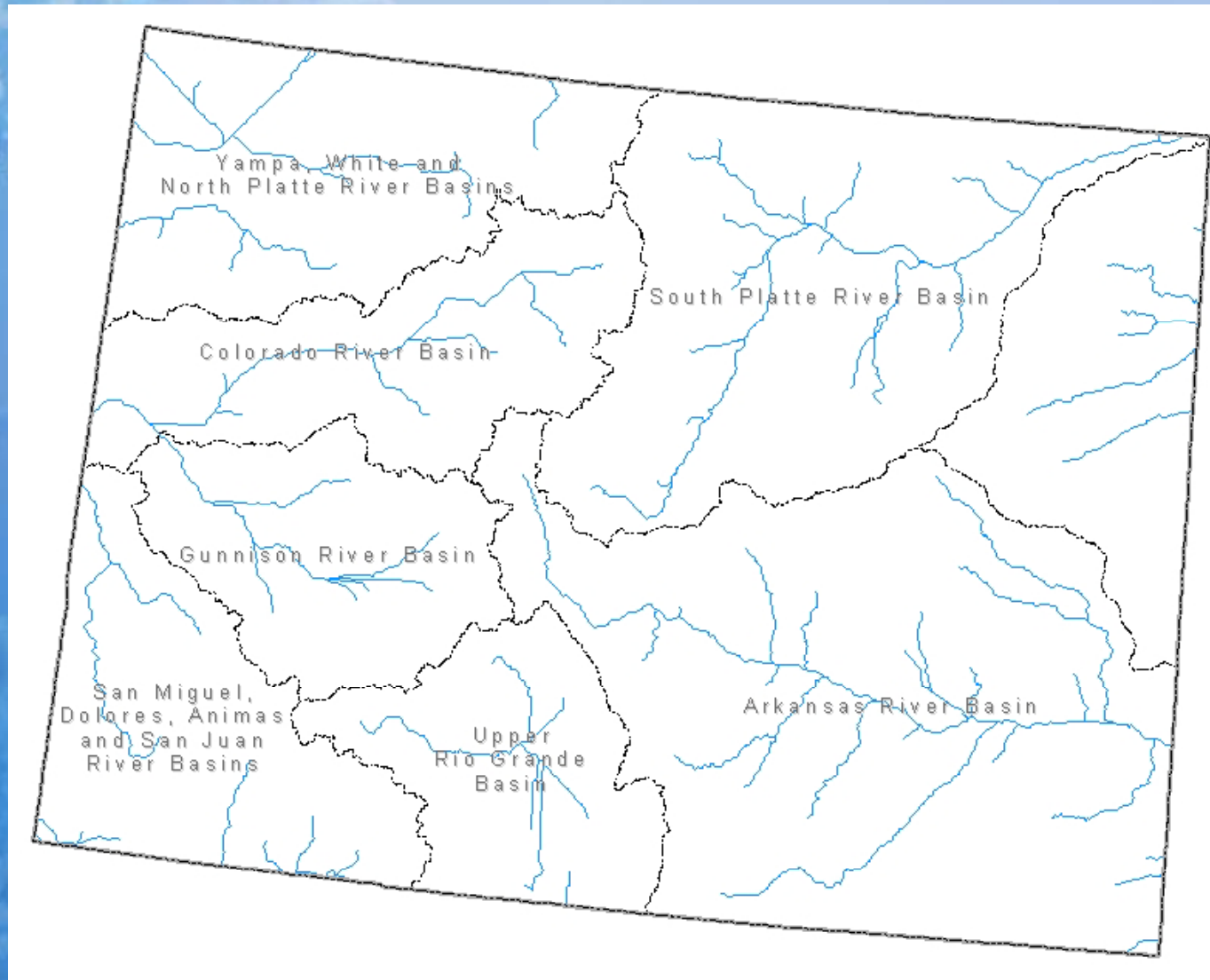


Created 11:12 May 31 2011



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Colorado Statewide Summary

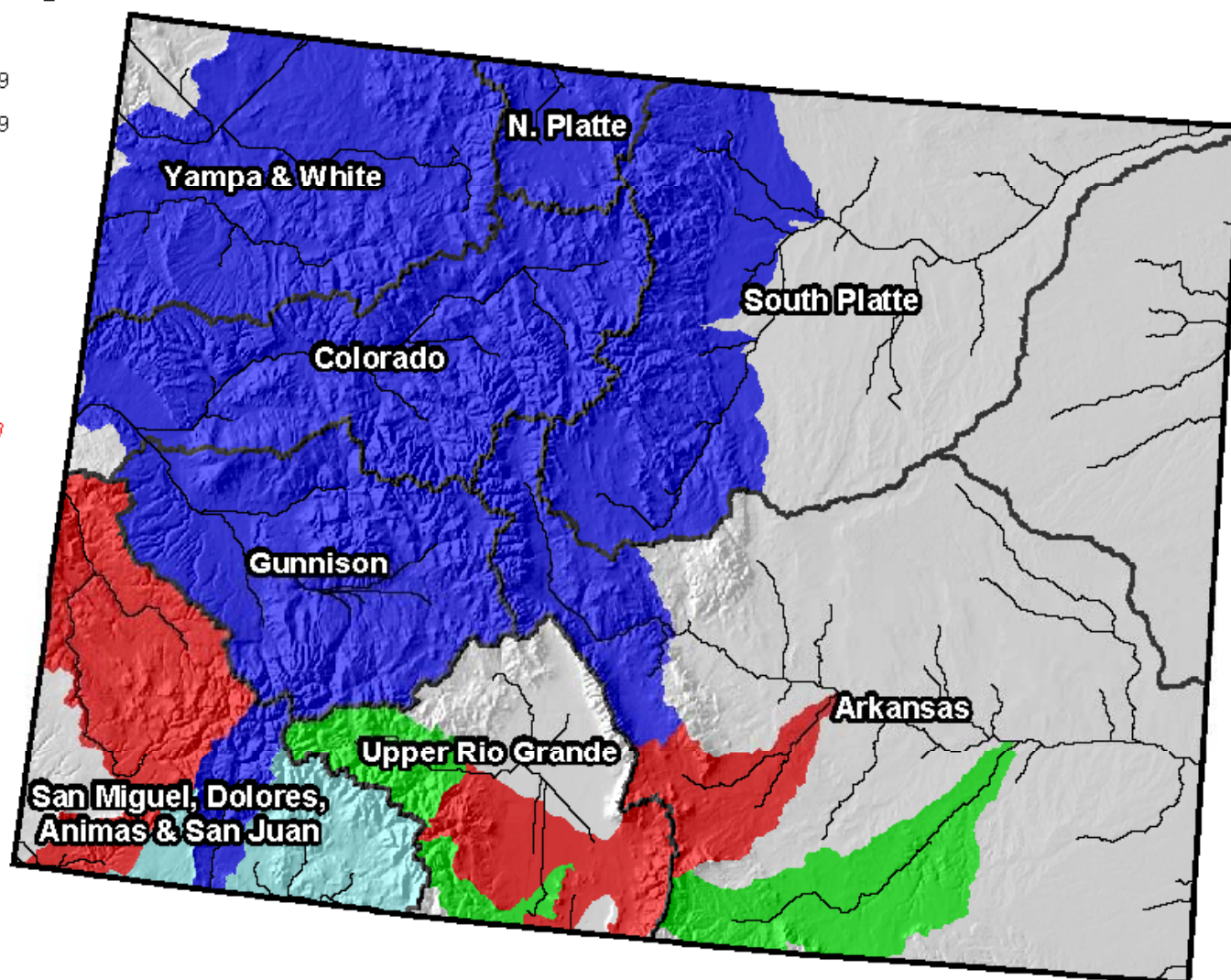


Colorado Snowpack Map

Percent of Average



*Provisional Data
Subject to Revision*



Current as of June 1, 2011

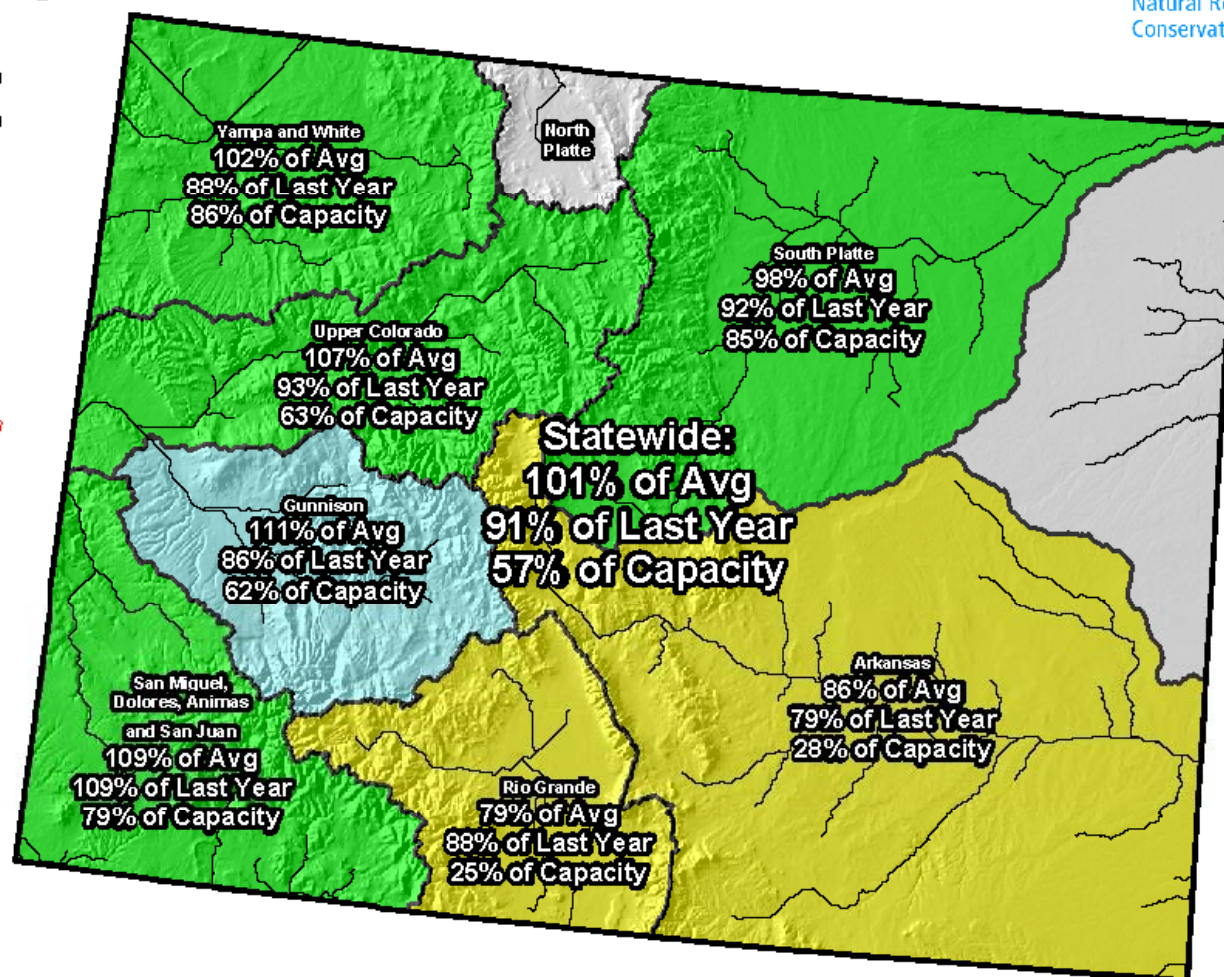
Colorado Reservoir Storage Map



Percent of Average



*Provisional Data
Subject to Revision*



End of April 2011