

NRCS – Snow Survey & Water Supply Forecasting

Mike Gillespie

Water Availability Task Force Meeting
February 25, 2009

The 2009 Water Year

October – Near average precipitation during the first half of the month, followed by dry conditions during the second half. Below average snowpack accumulations during the month.

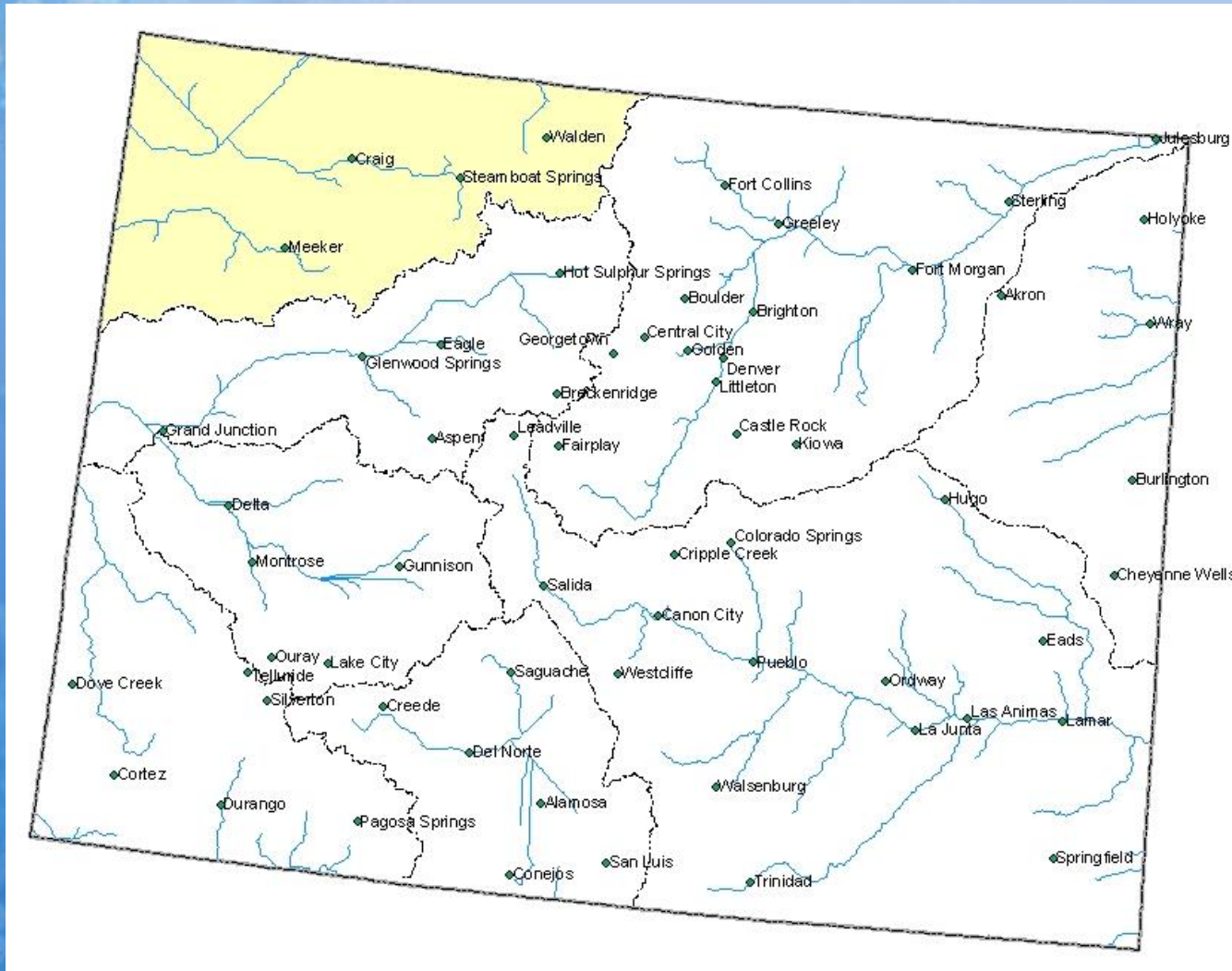
November – Below average precipitation statewide. Minimal gains in mountain snowpack.

December – Heavy snow storms in the southern mountains. Nearly a repeat of last year!!

January – A good start to the month, followed by a “January Thaw”. Sizable snowpack increases at month’s end.

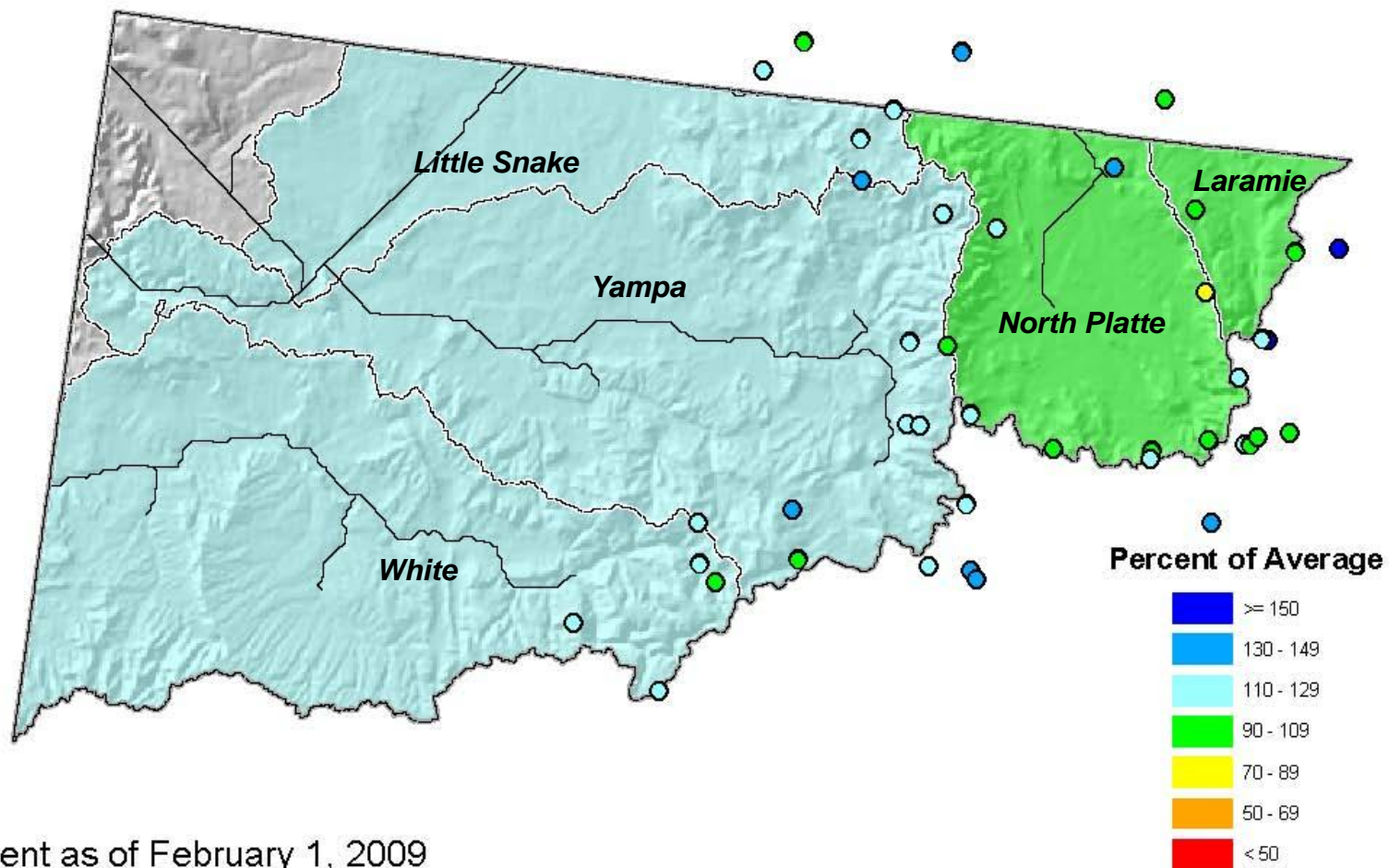
February – Holding our own (just barely)!

Yampa, White & North Platte River Basins Summary

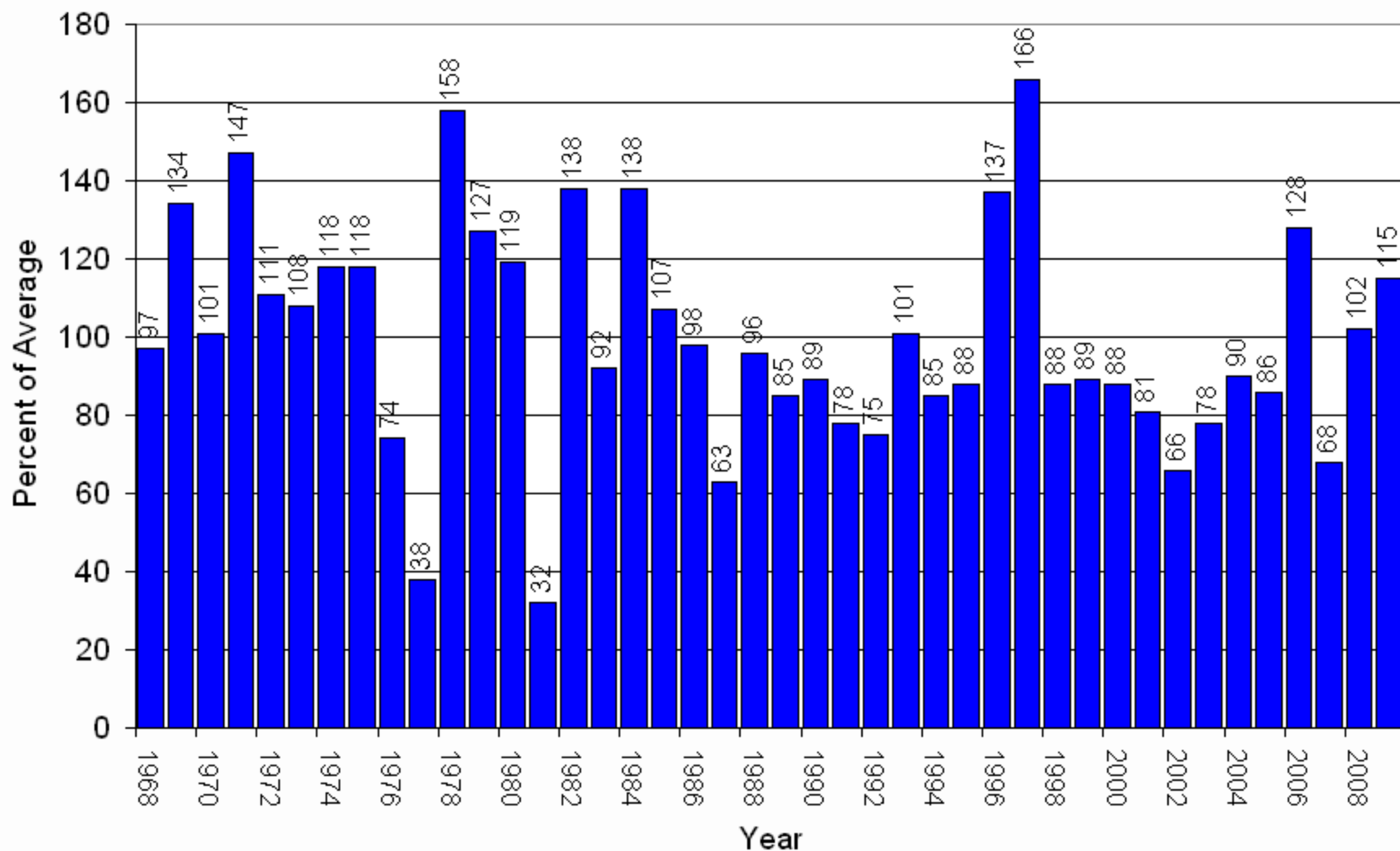


Yampa, White and North Platte River Basins Snowpack Map

*Provisional Data
Subject to Revision*

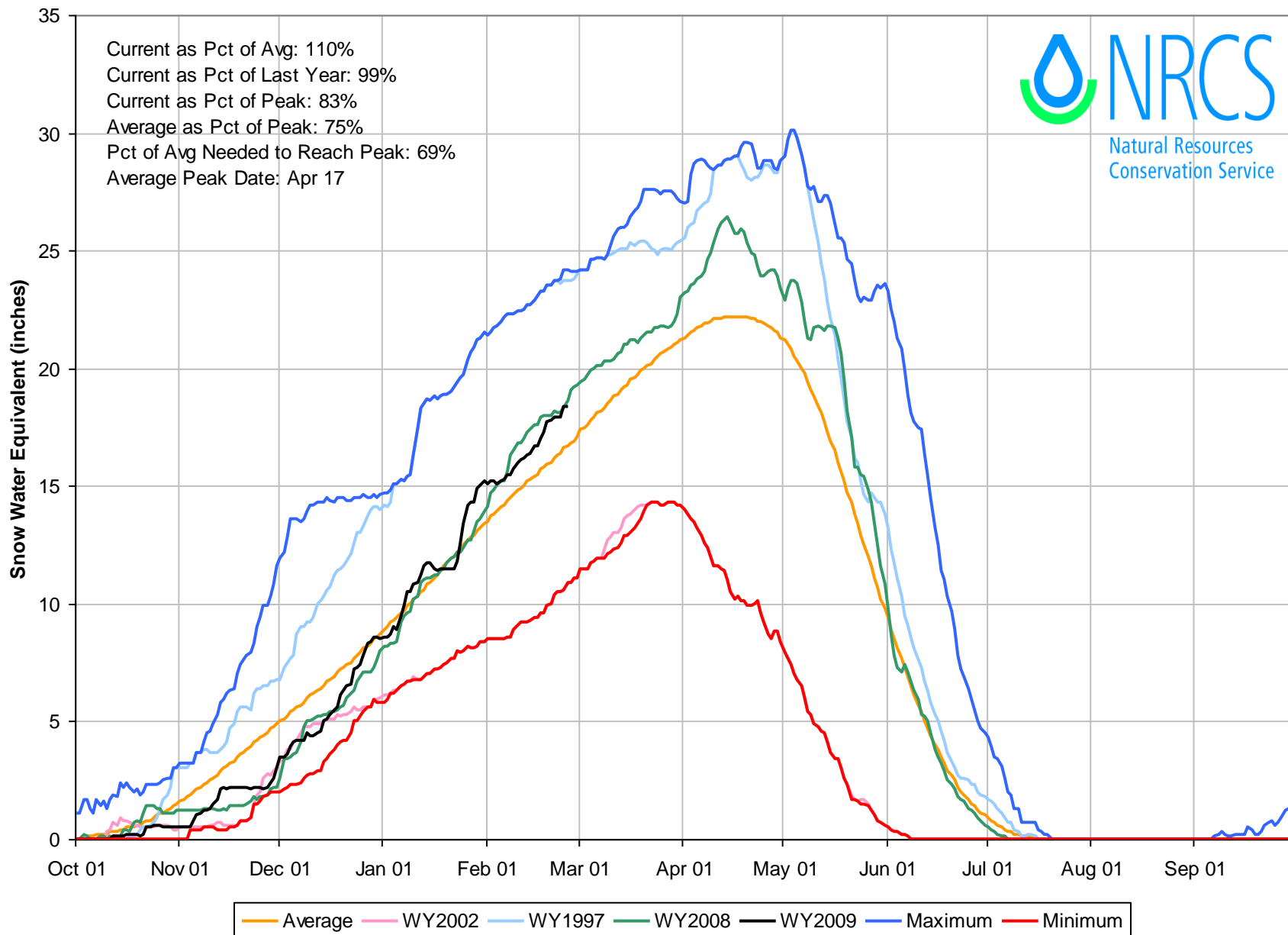


February 1 Total Yampa & White River Basins Snowpack



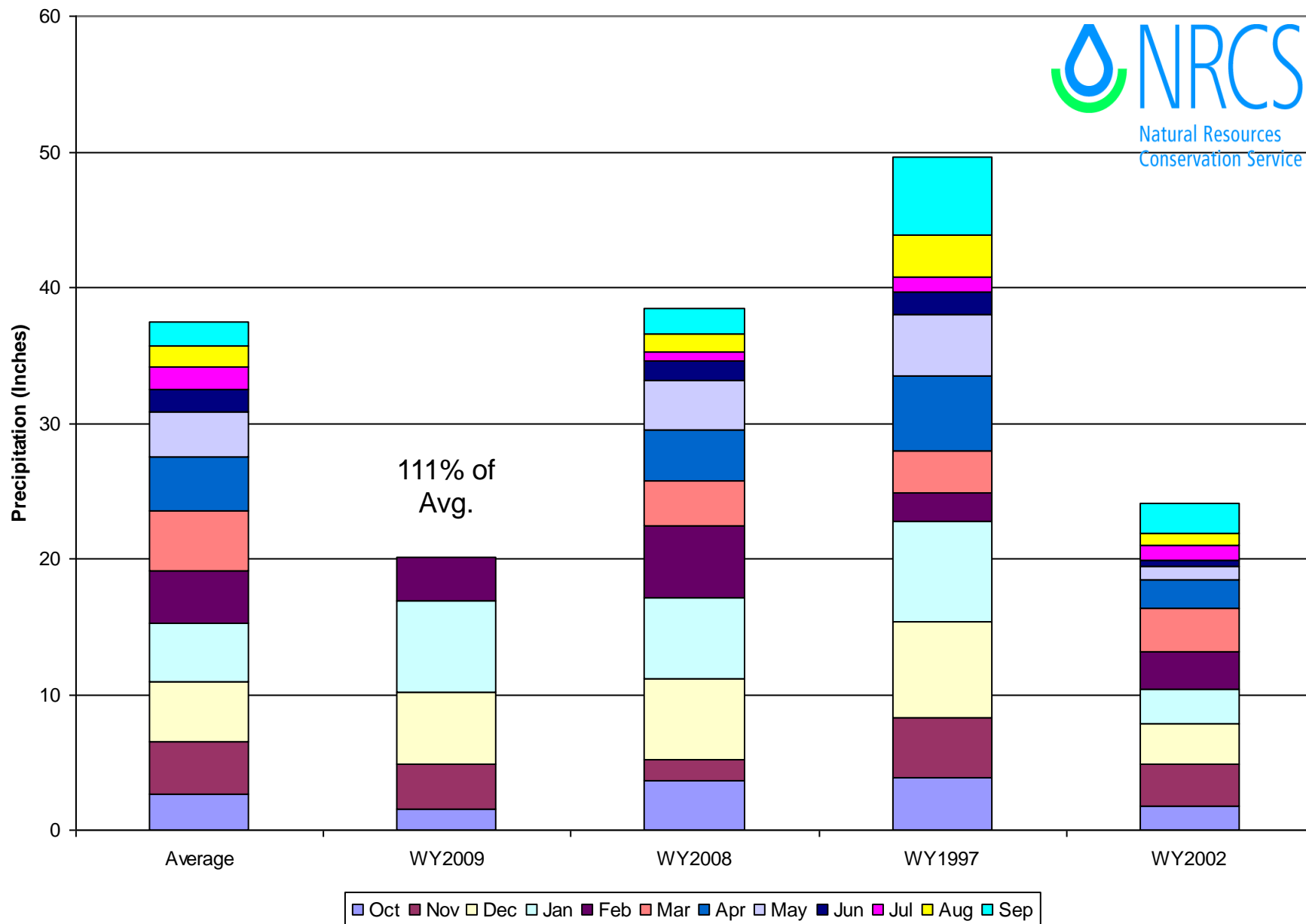
Yampa, White & North Platte River Basins High/Low Snowpack Summary

Based on Provisional SNOTEL data as of Feb 25, 2009



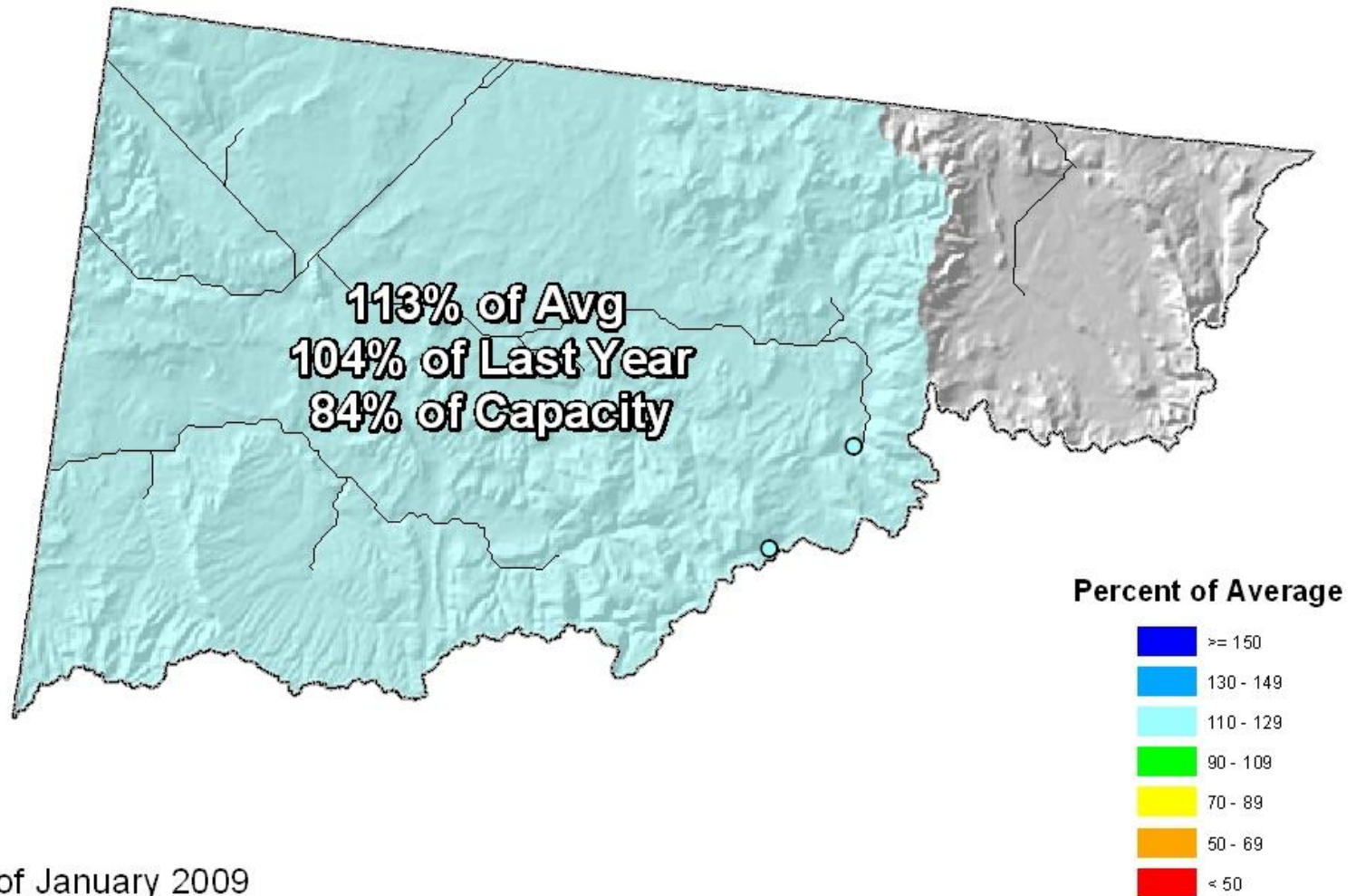
Yampa and White River Basins High/Low Monthly Precipitation Summary

Based on Provisional SNOTEL data as of Feb 25, 2009



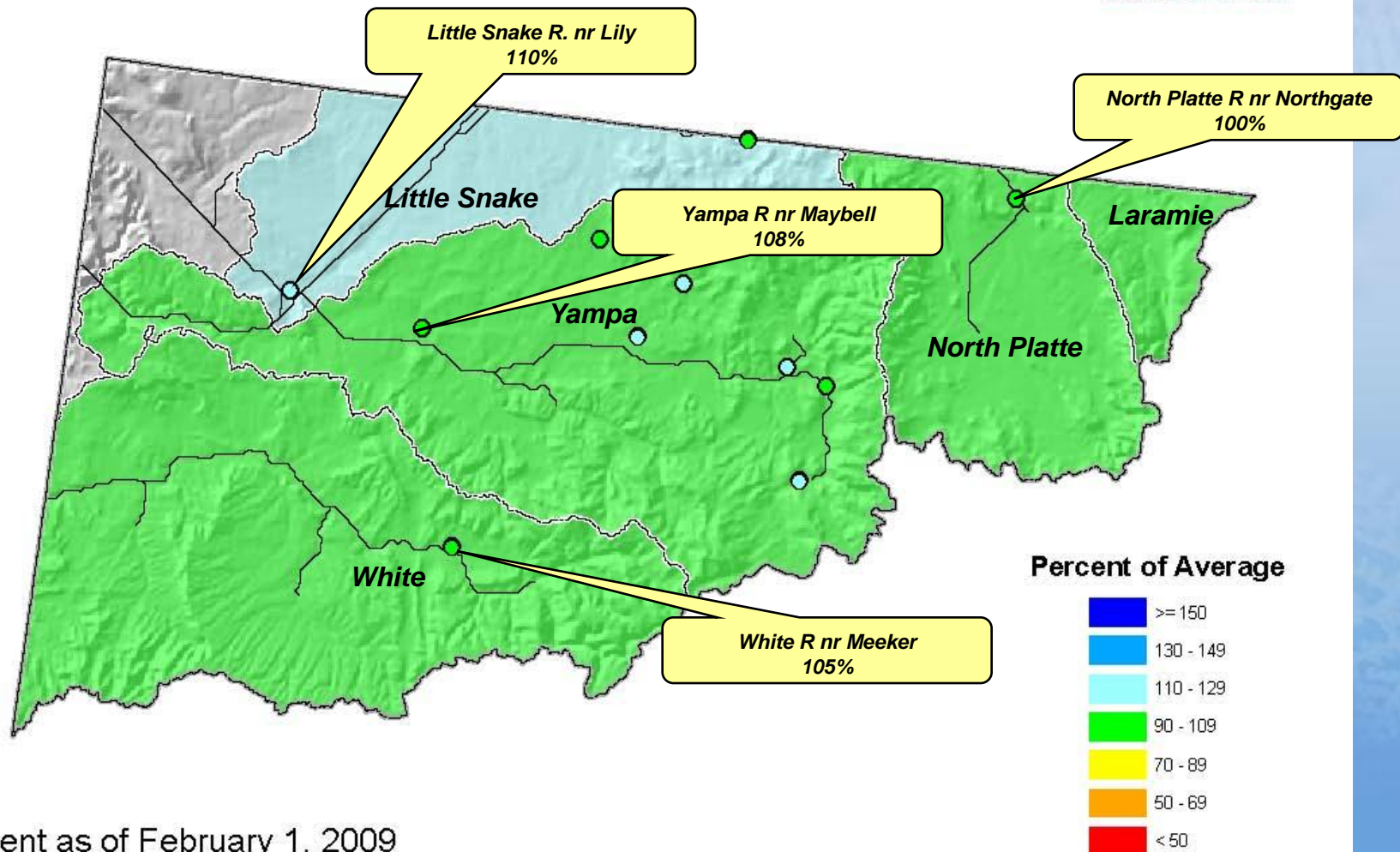
Yampa & White River Basins Reservoir Storage Map

*Provisional Data
Subject to Revision*



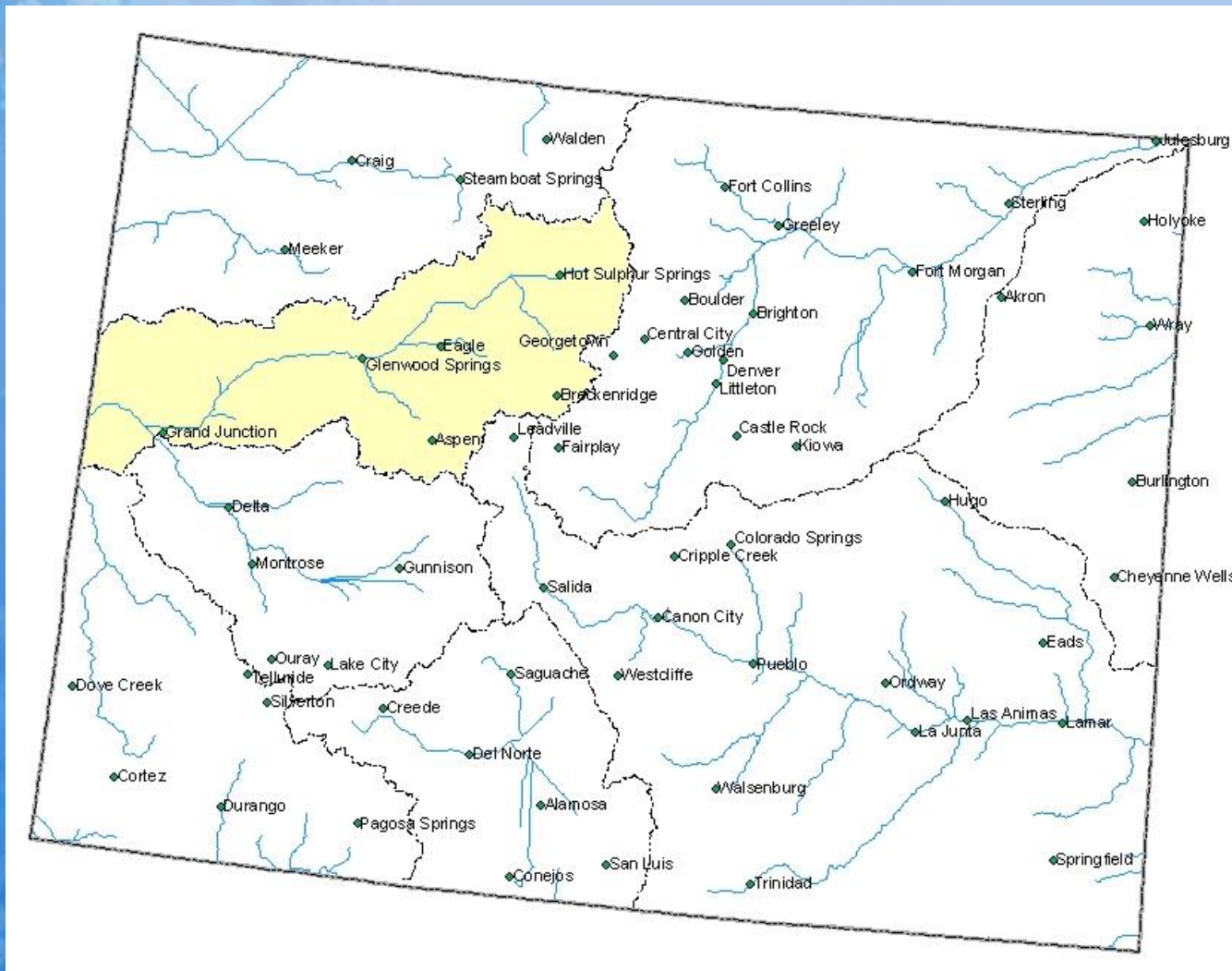
Yampa, White and North Platte River Basins Streamflow Map

*Provisional Data
Subject to Revision*



Current as of February 1, 2009

Colorado River Basin Summary

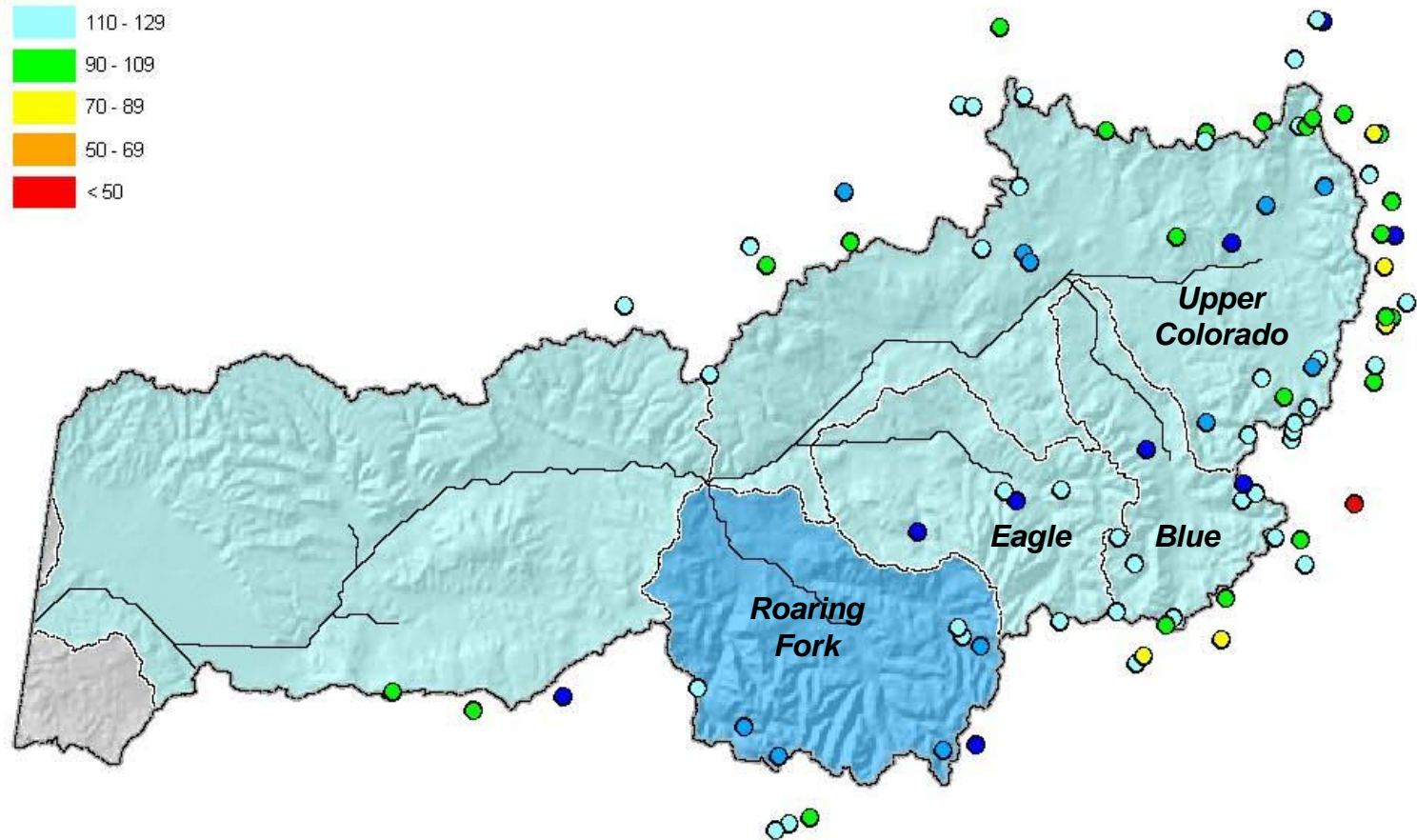


Colorado River Basin Snowpack Map

Percent of Average

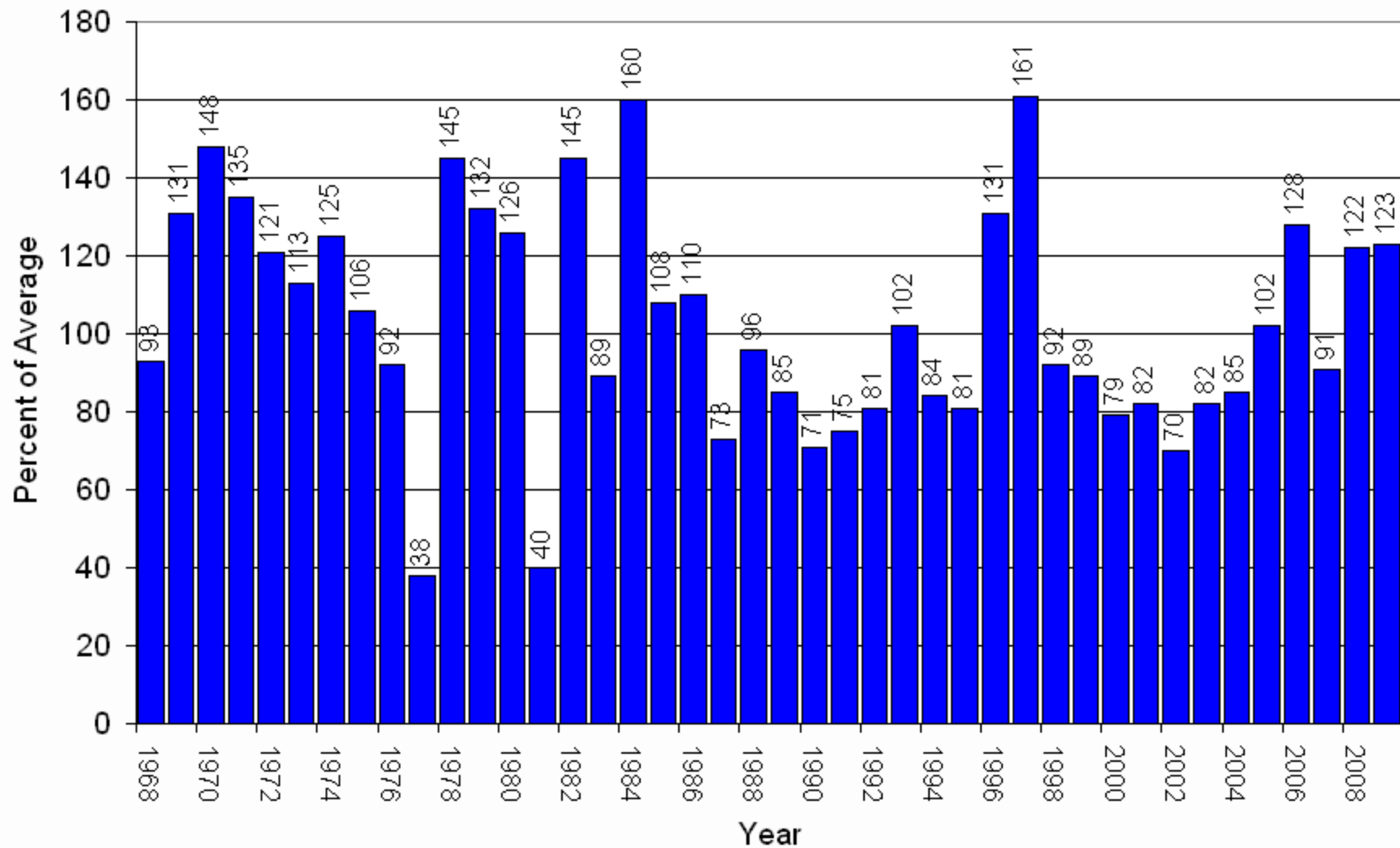


*Provisional Data
Subject to Revision*



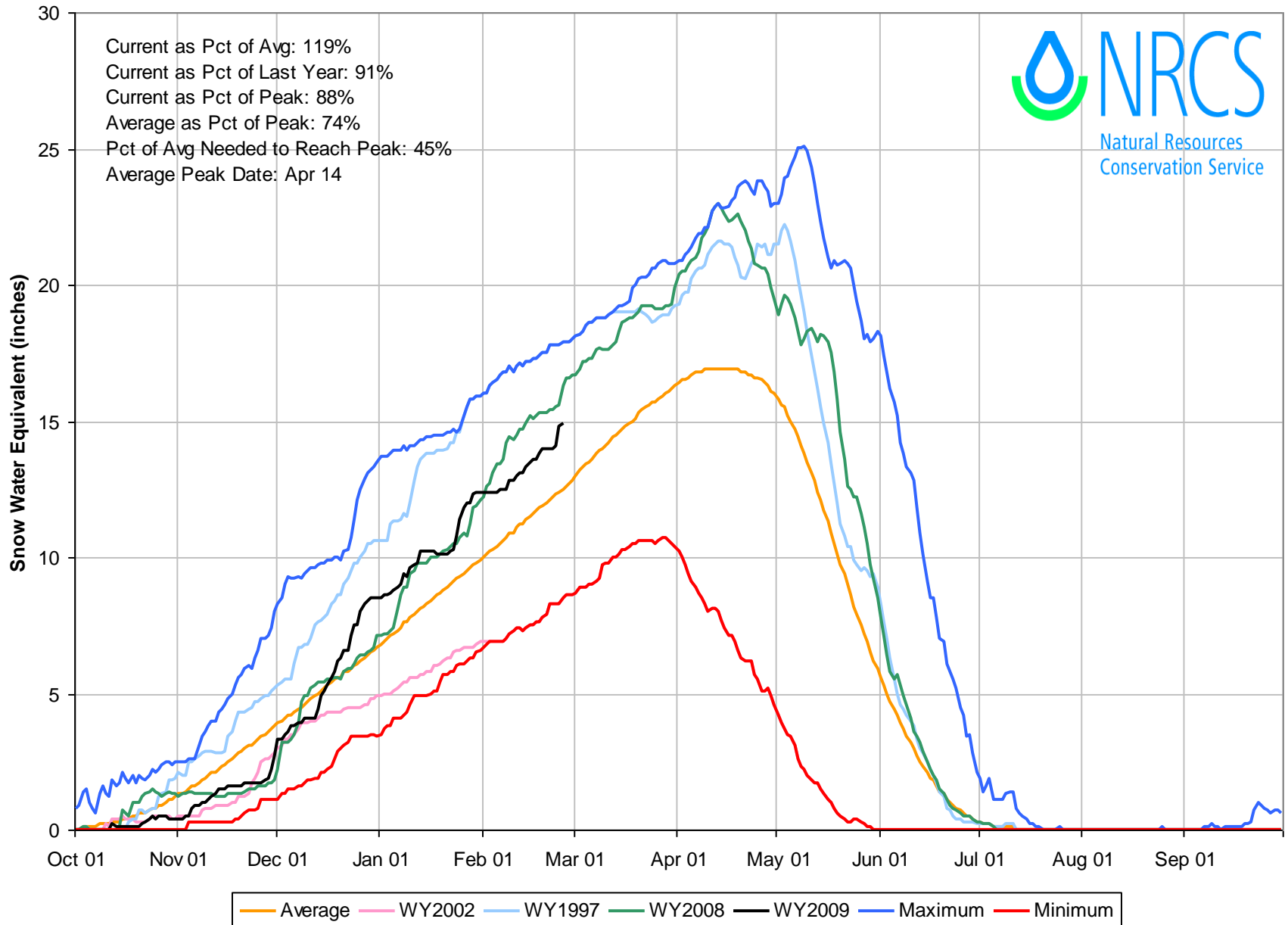
Current as of February 1, 2009

February 1 Total Colorado River Basin Snowpack



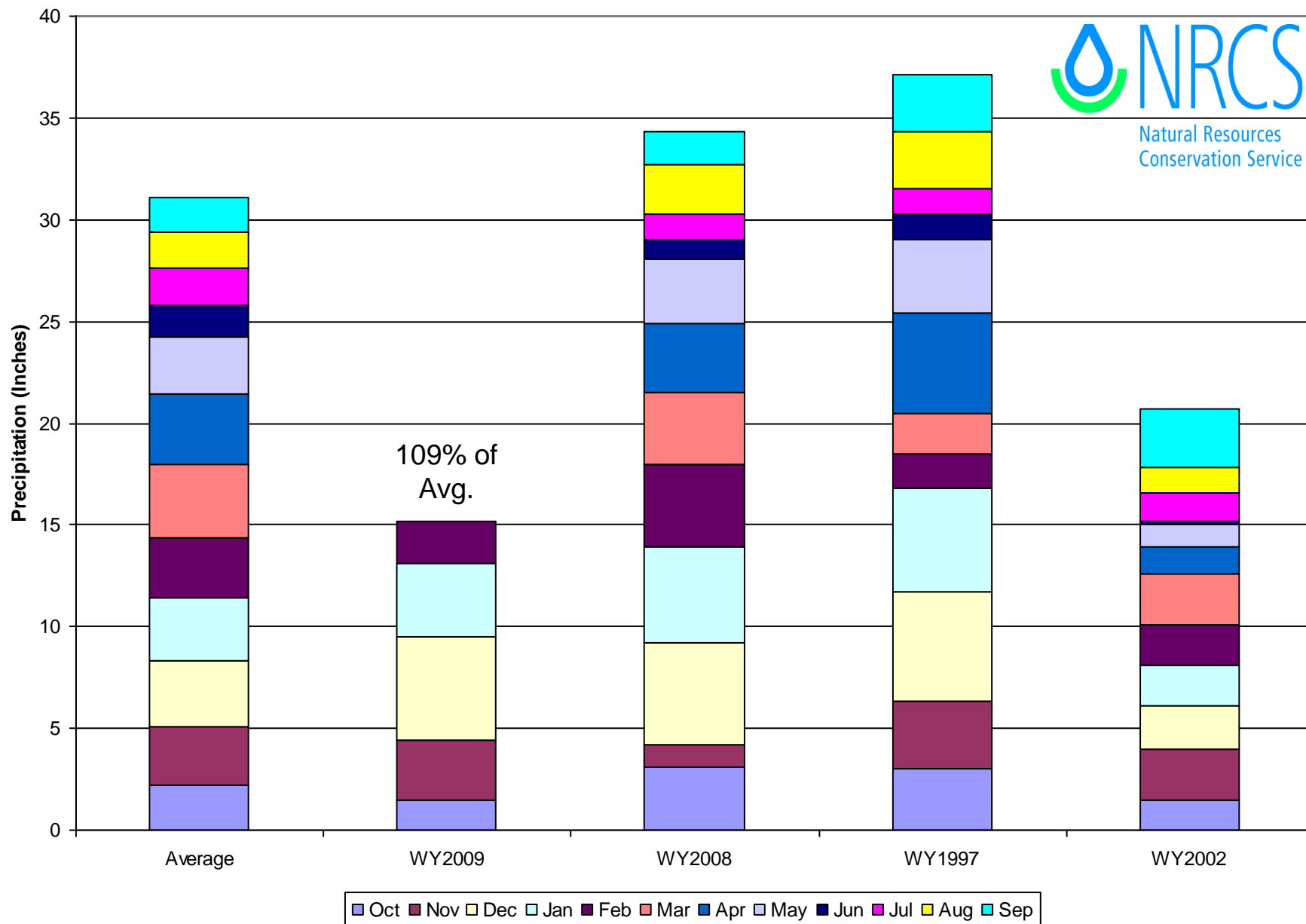
Upper Colorado River Basin High/Low Snowpack Summary

Based on Provisional SNOTEL data as of Feb 25, 2009



Upper Colorado River Basin High/Low Monthly Precipitation Summary

Based on Provisional SNOTEL data as of Feb 25, 2009

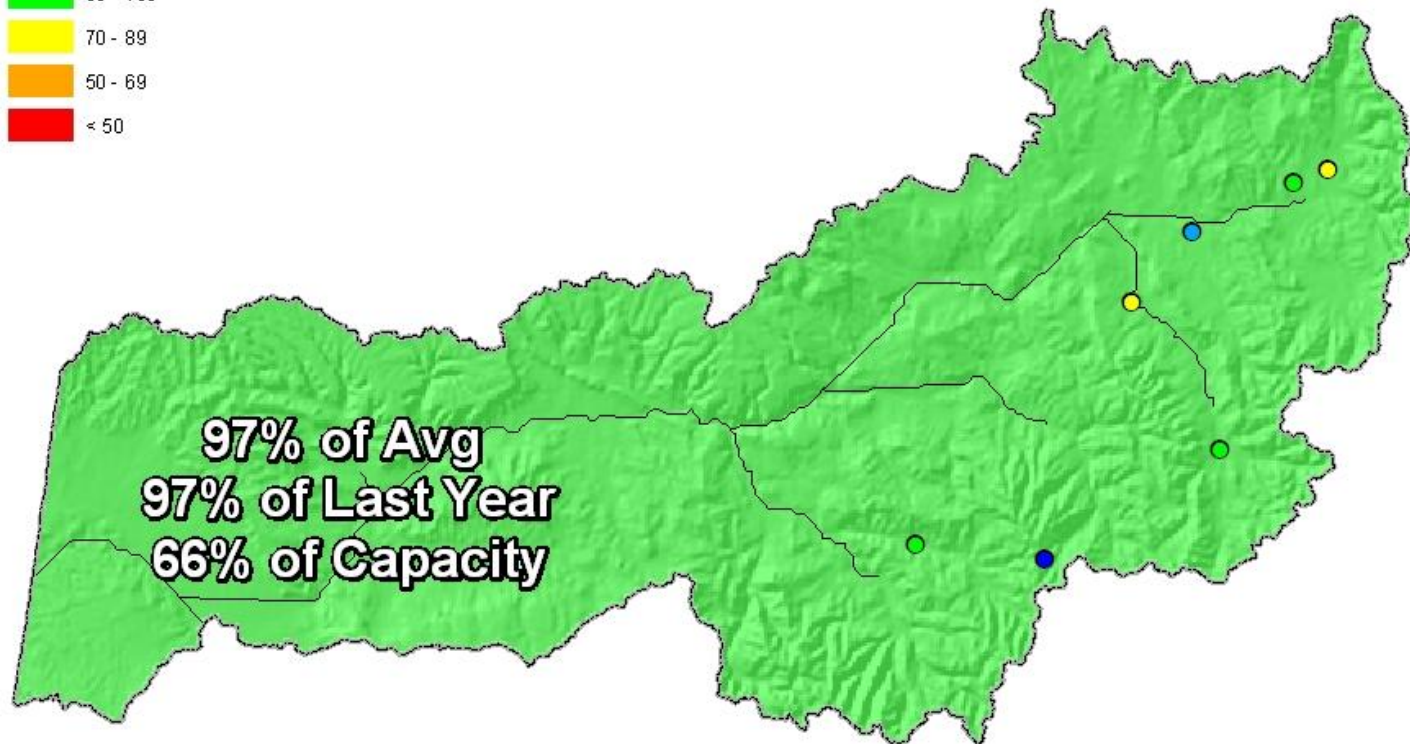


Colorado River Basin Reservoir Storage Map

Percent of Average



*Provisional Data
Subject to Revision*



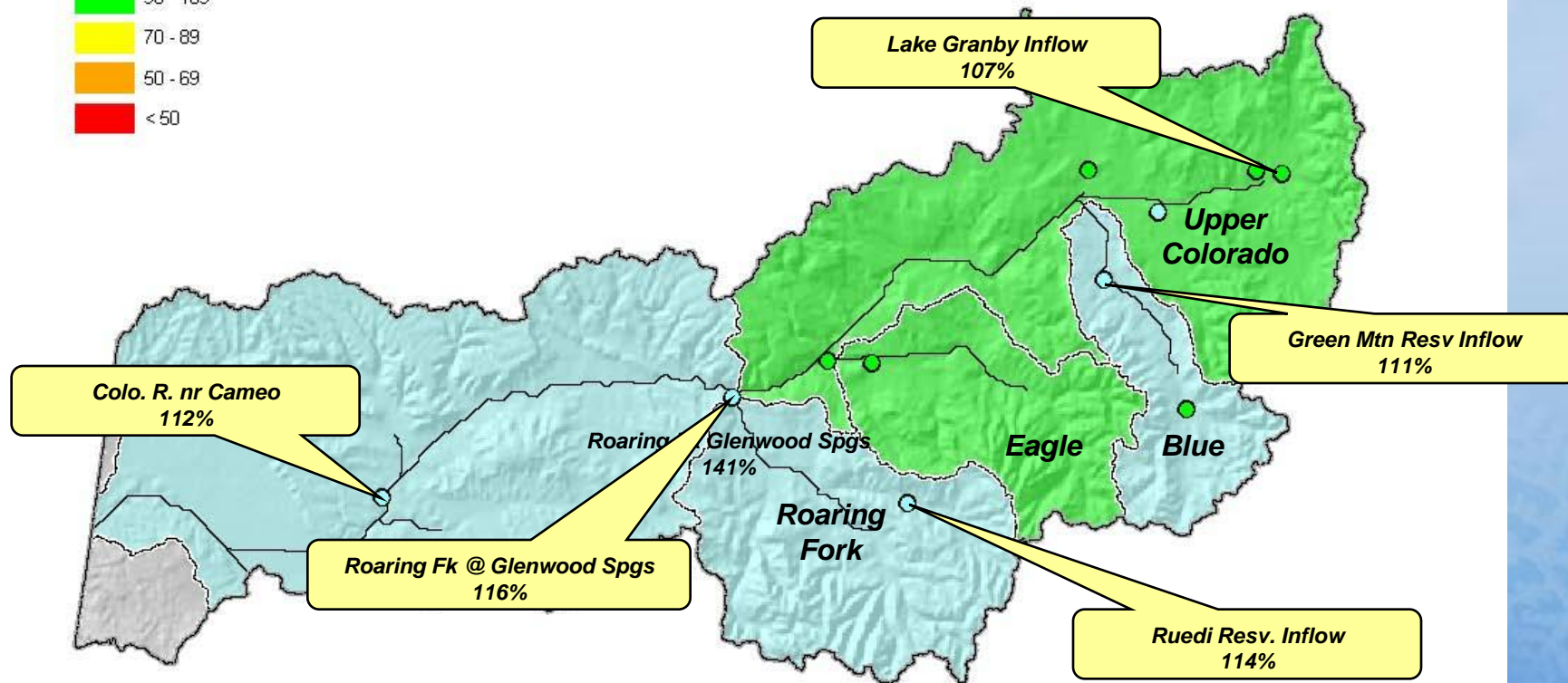
End of January 2009

Colorado River Basin Streamflow Forecast Map

Percent of Average

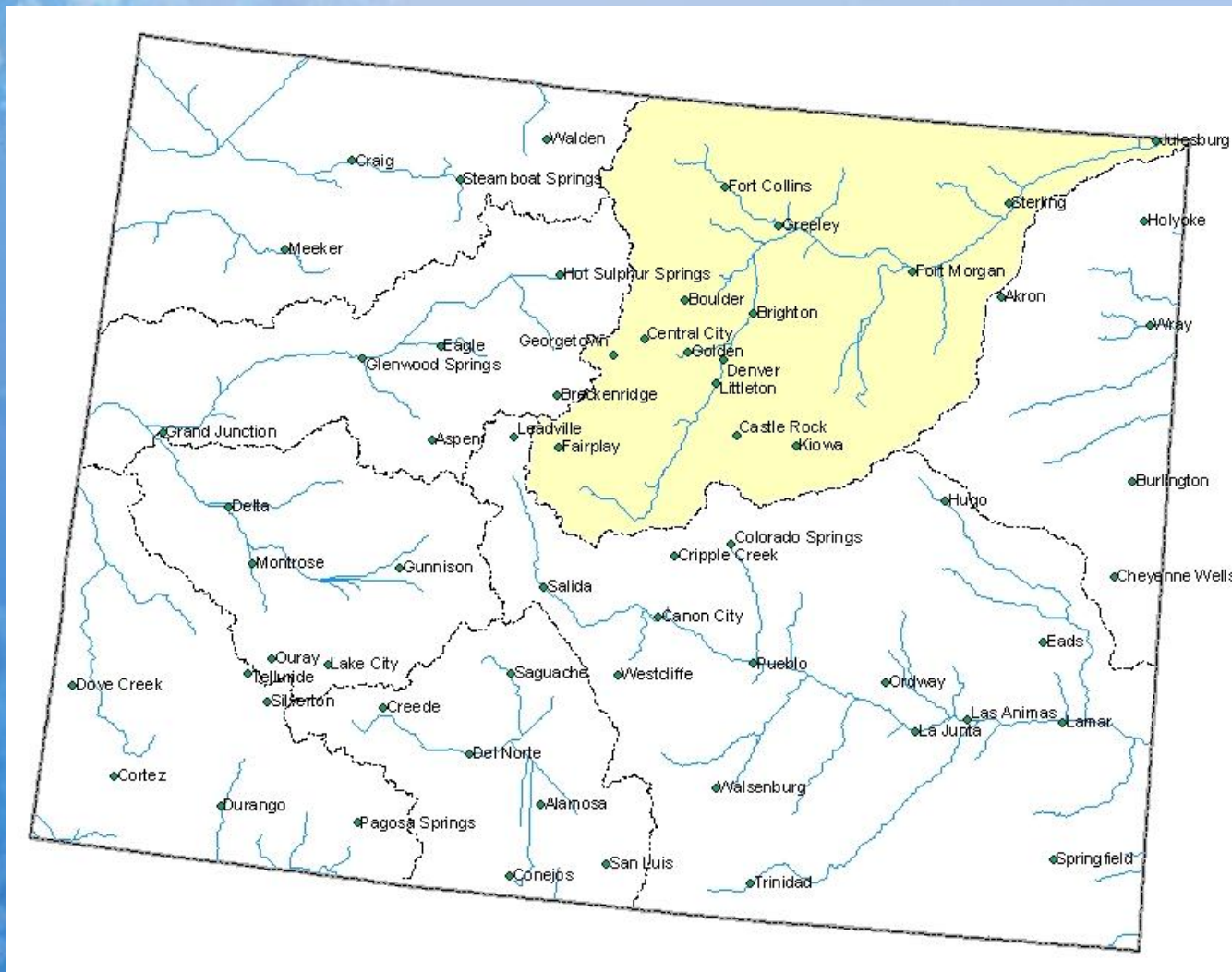


*Provisional Data
Subject to Revision*



Current as of February 1, 2009

South Platte River Basin Summary

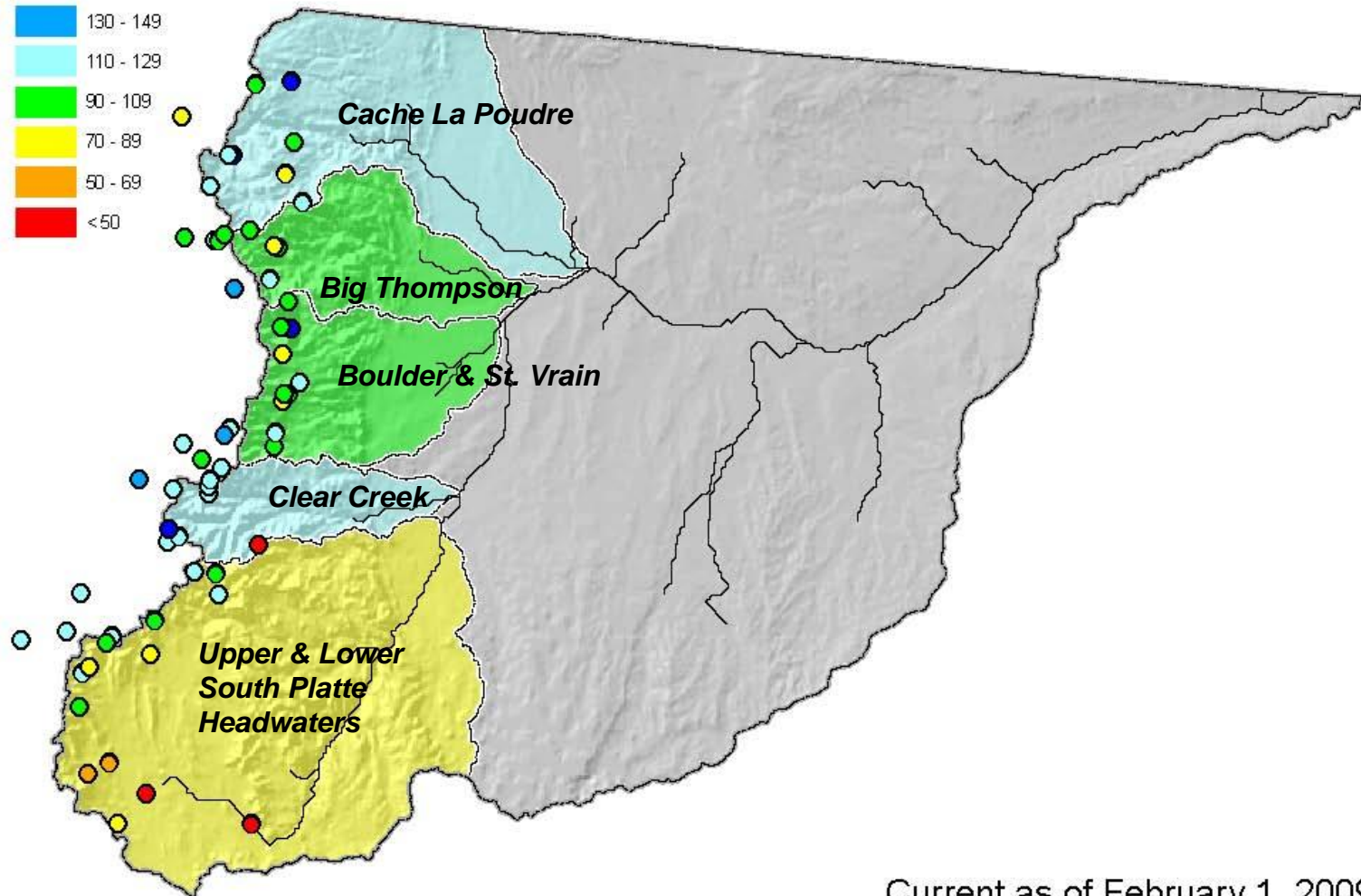


South Platte River Basin Snowpack Map

Percent of Average

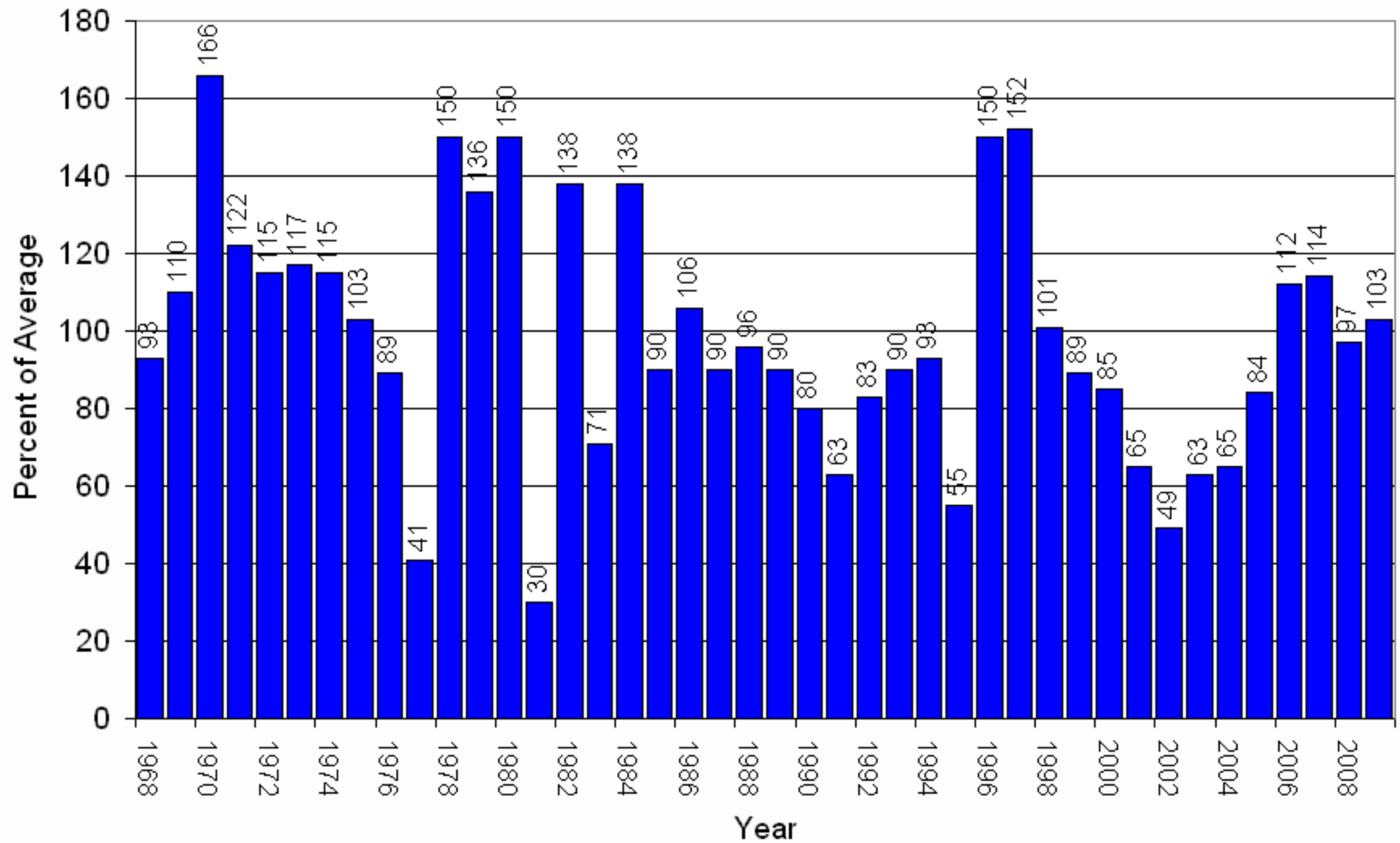


*Provisional Data
Subject to Revision*



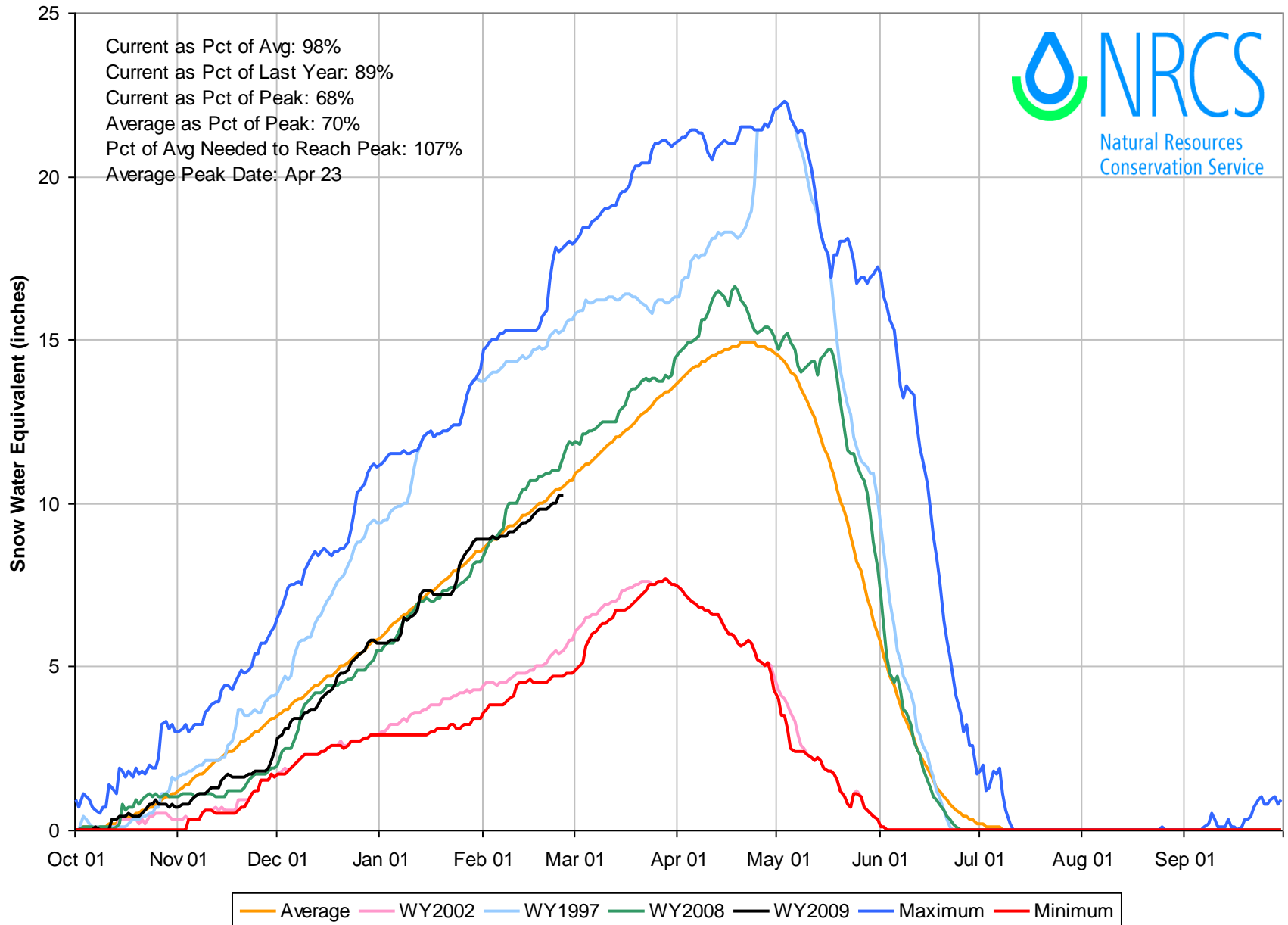
Current as of February 1, 2009

February 1 Total South Platte River Basin Snowpack



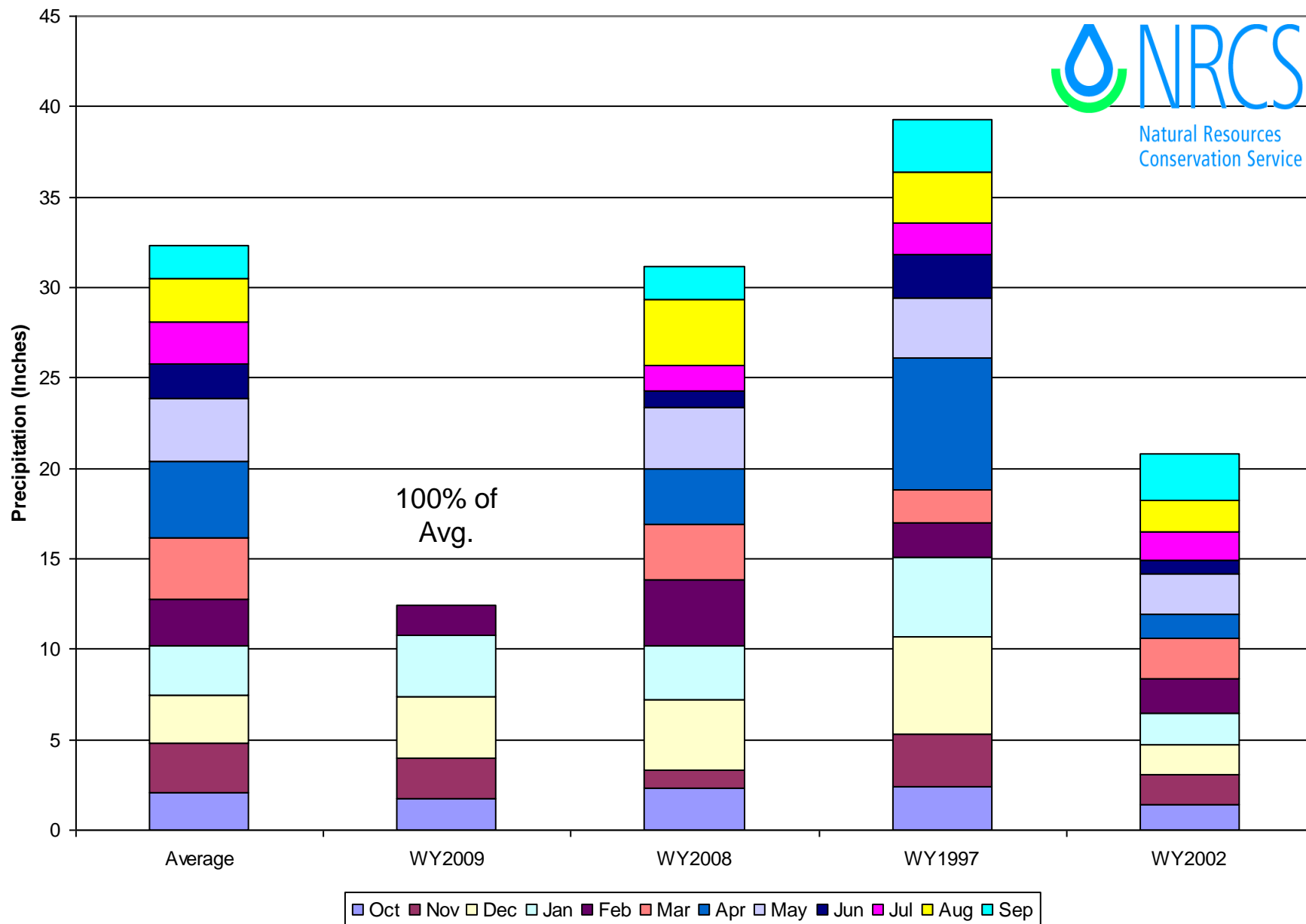
South Platte River Basin High/Low Snowpack Summary

Based on Provisional SNOTEL data as of Feb 25, 2009



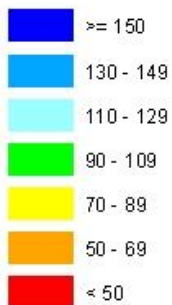
South Platte River Basin High/Low Monthly Precipitation Summary

Based on Provisional SNOTEL data as of Feb 25, 2009

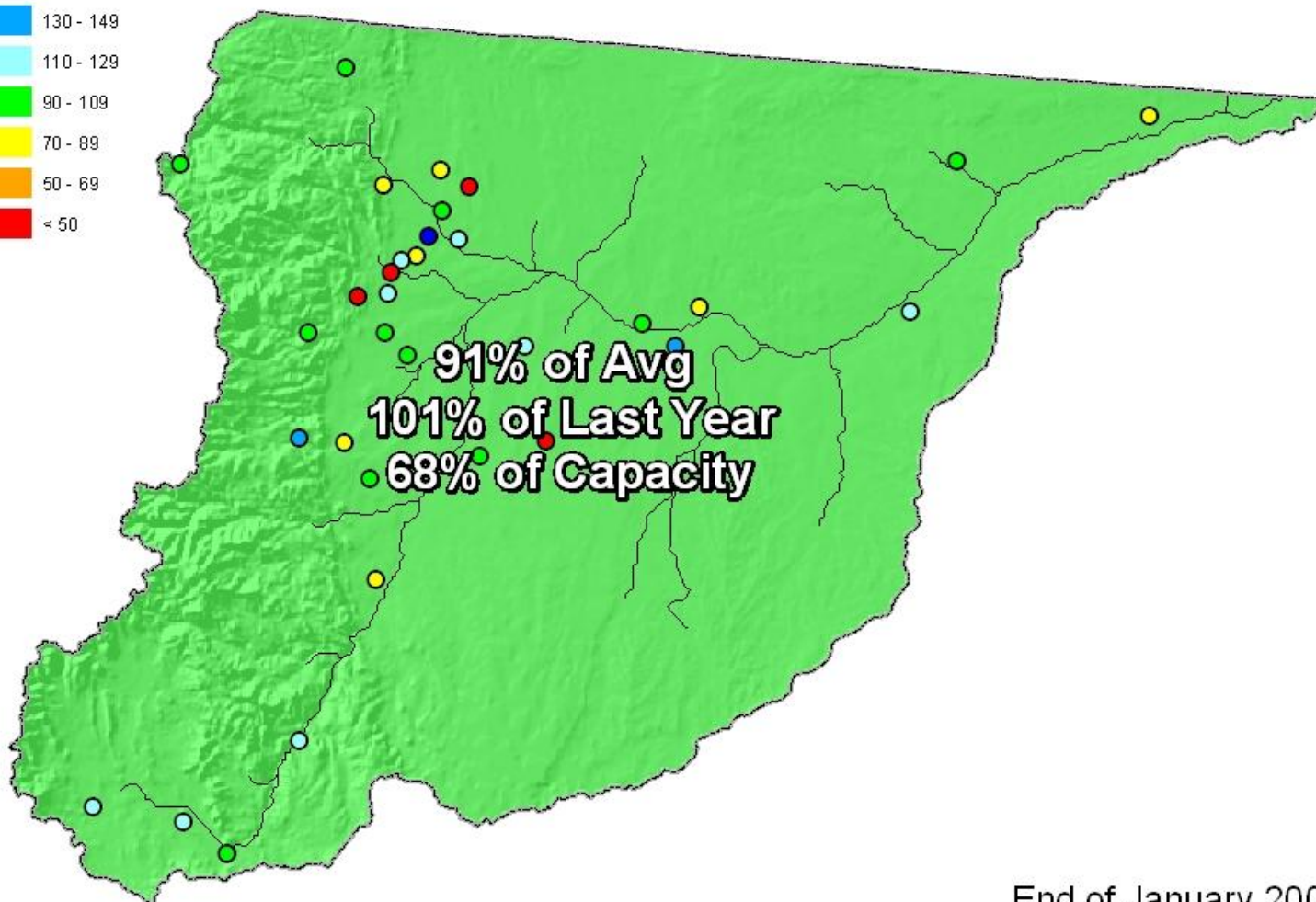


South Platte River Basin Reservoir Storage Map

Percent of Average



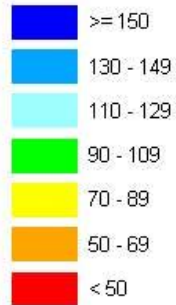
*Provisional Data
Subject to Revision*



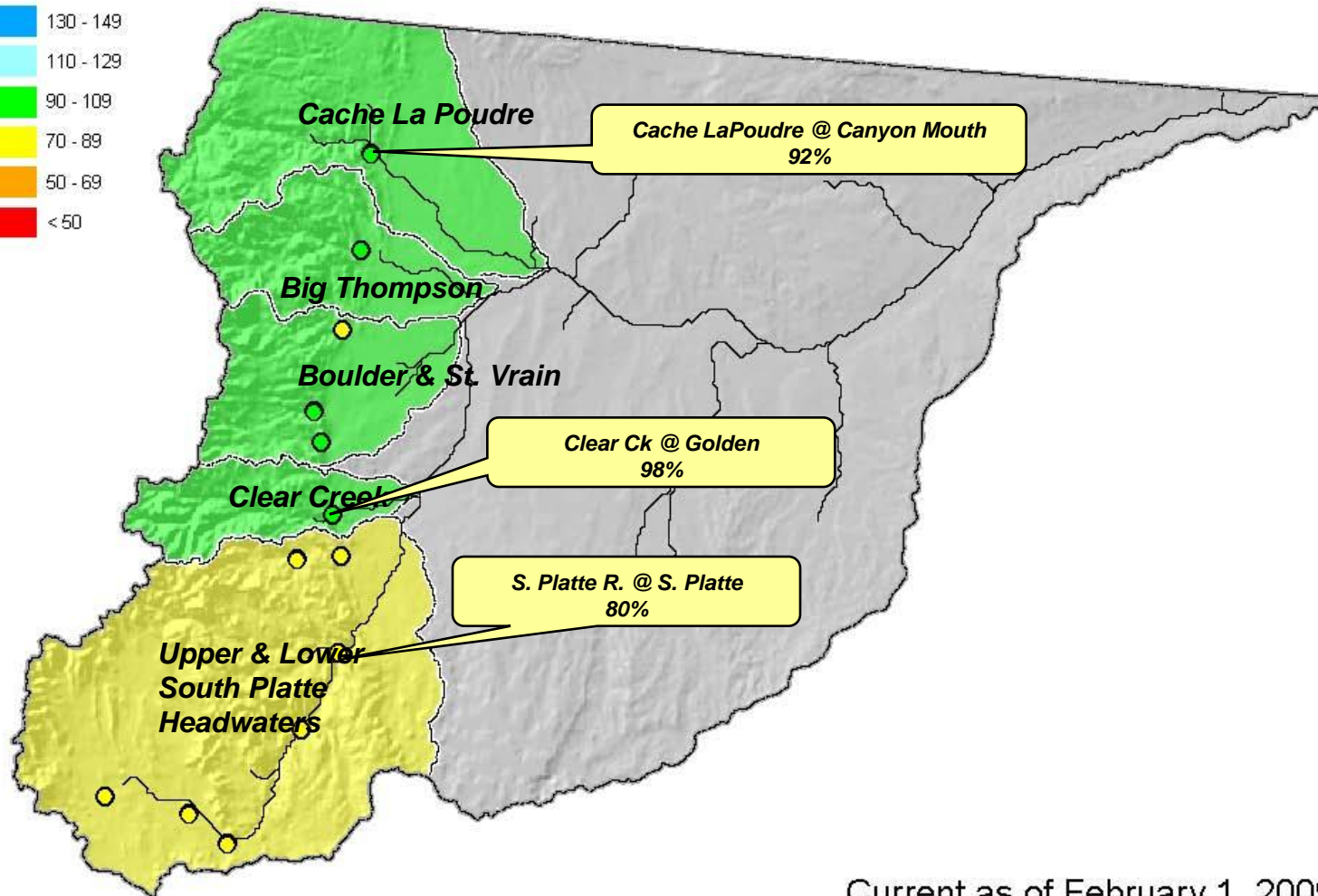
End of January 2009

South Platte River Basin Streamflow Forecast Map

Percent of Average

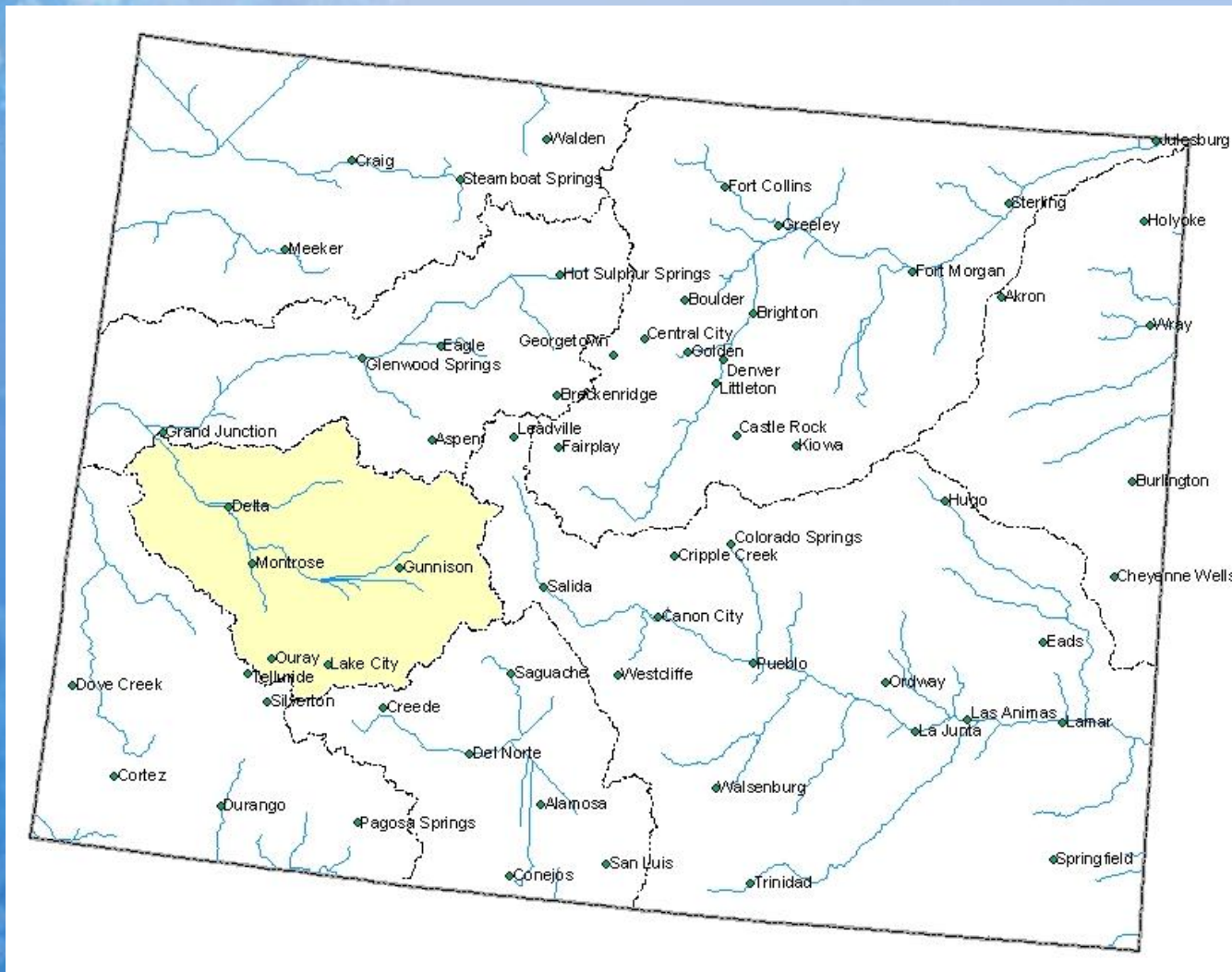


*Provisional Data
Subject to Revision*



Current as of February 1, 2009

Gunnison River Basin Summary

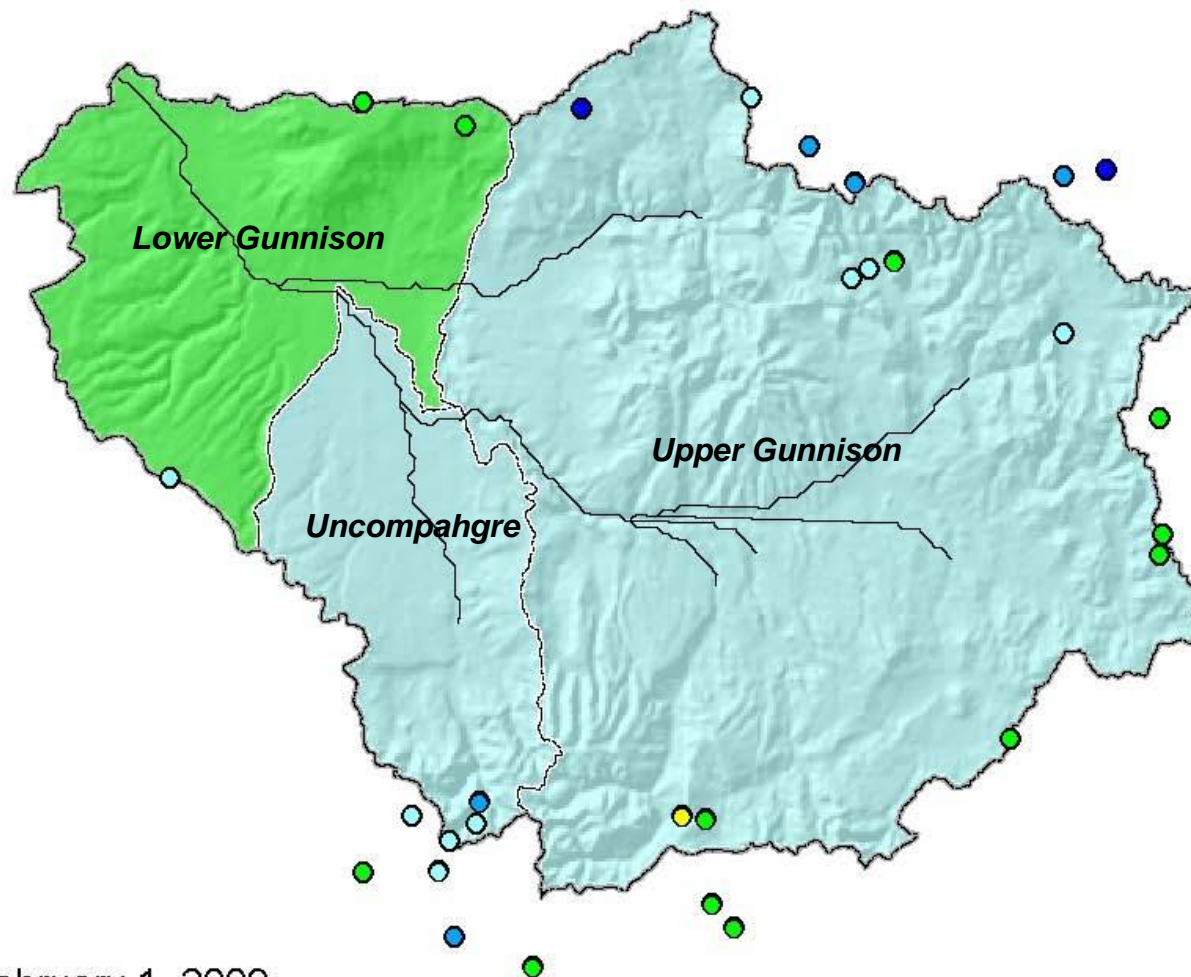


Gunnison River Basin Snowpack Map

Percent of Average

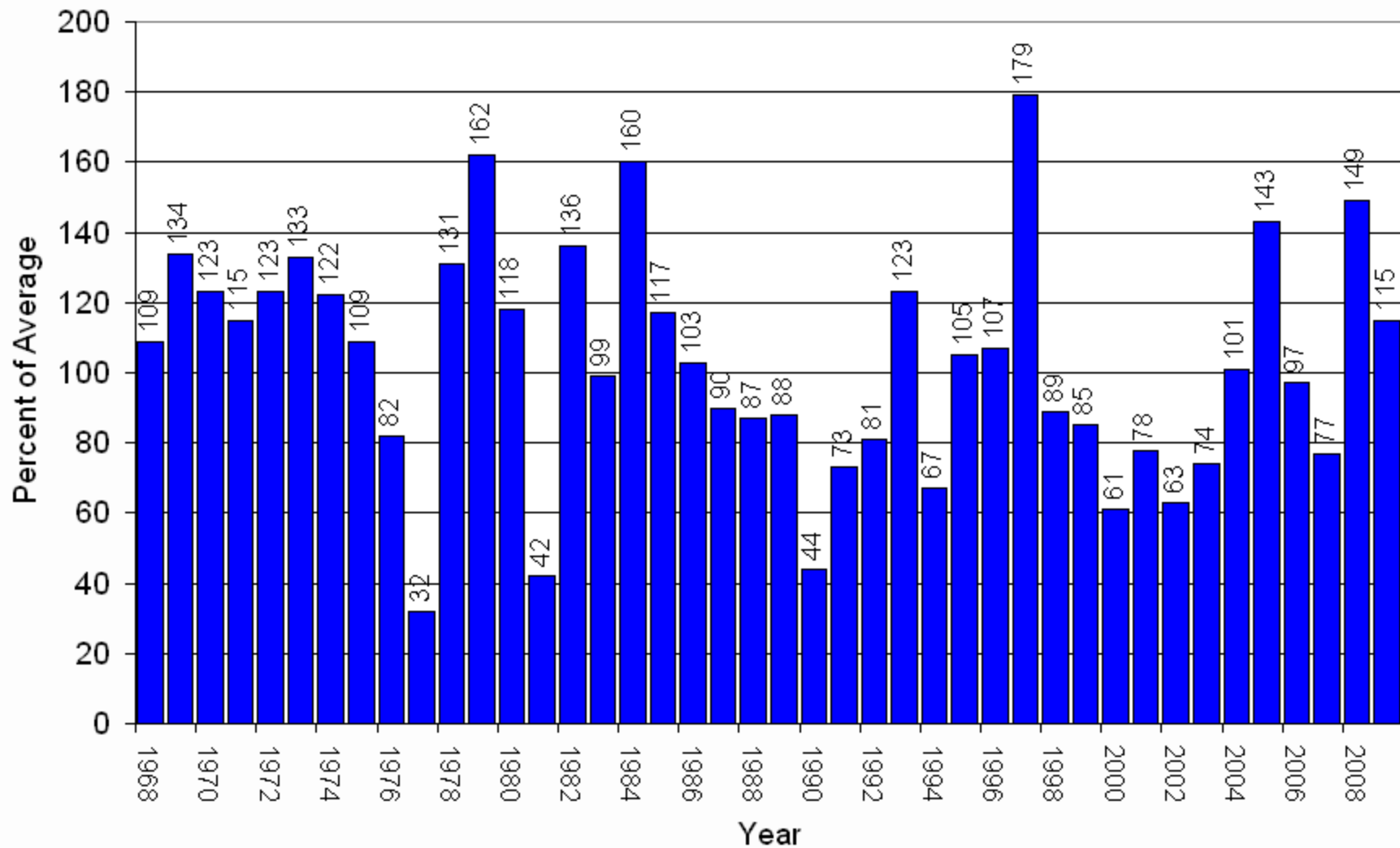


*Provisional Data
Subject to Revision*



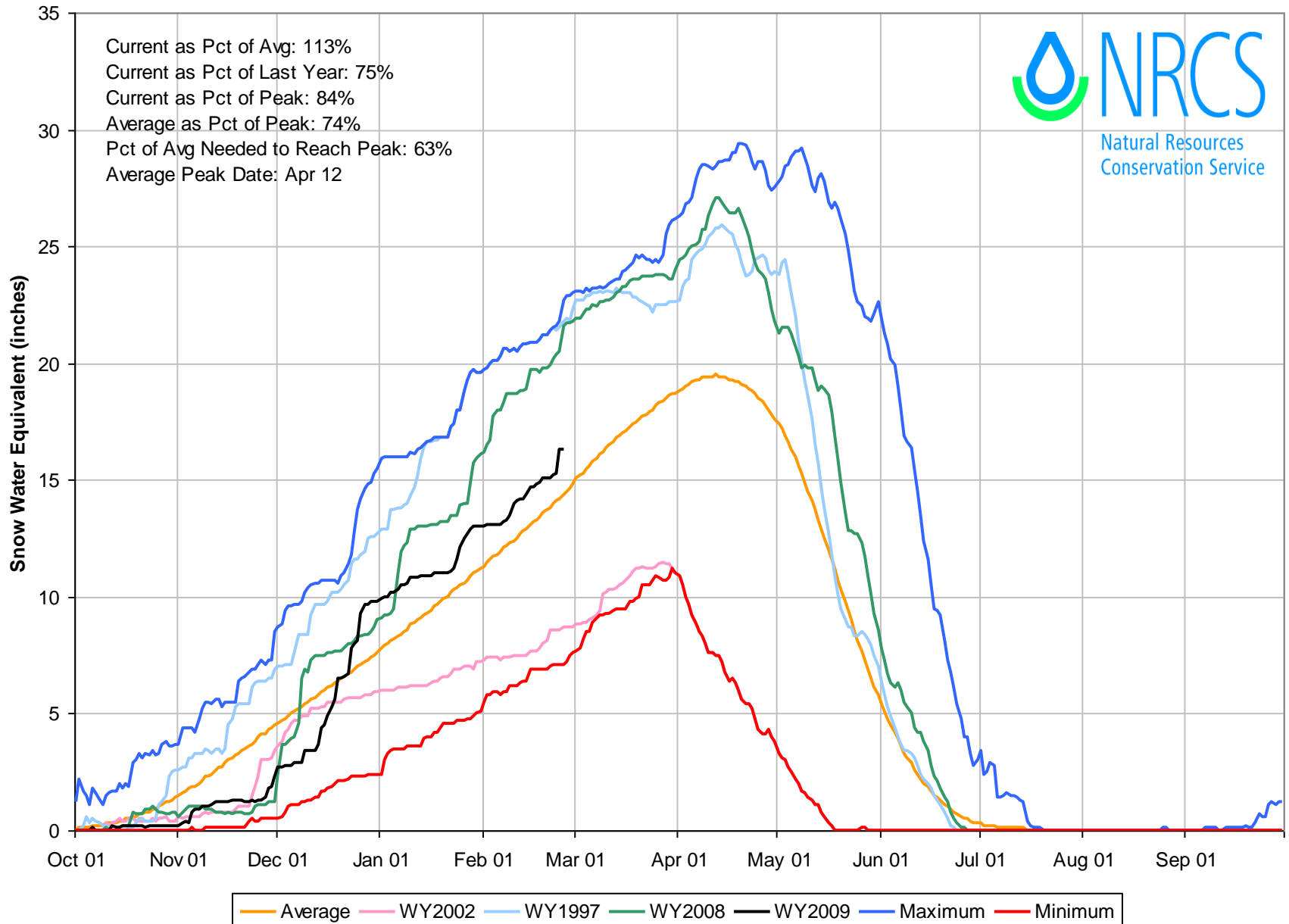
Current as of February 1, 2009

February 1 Total Gunnison River Basin Snowpack



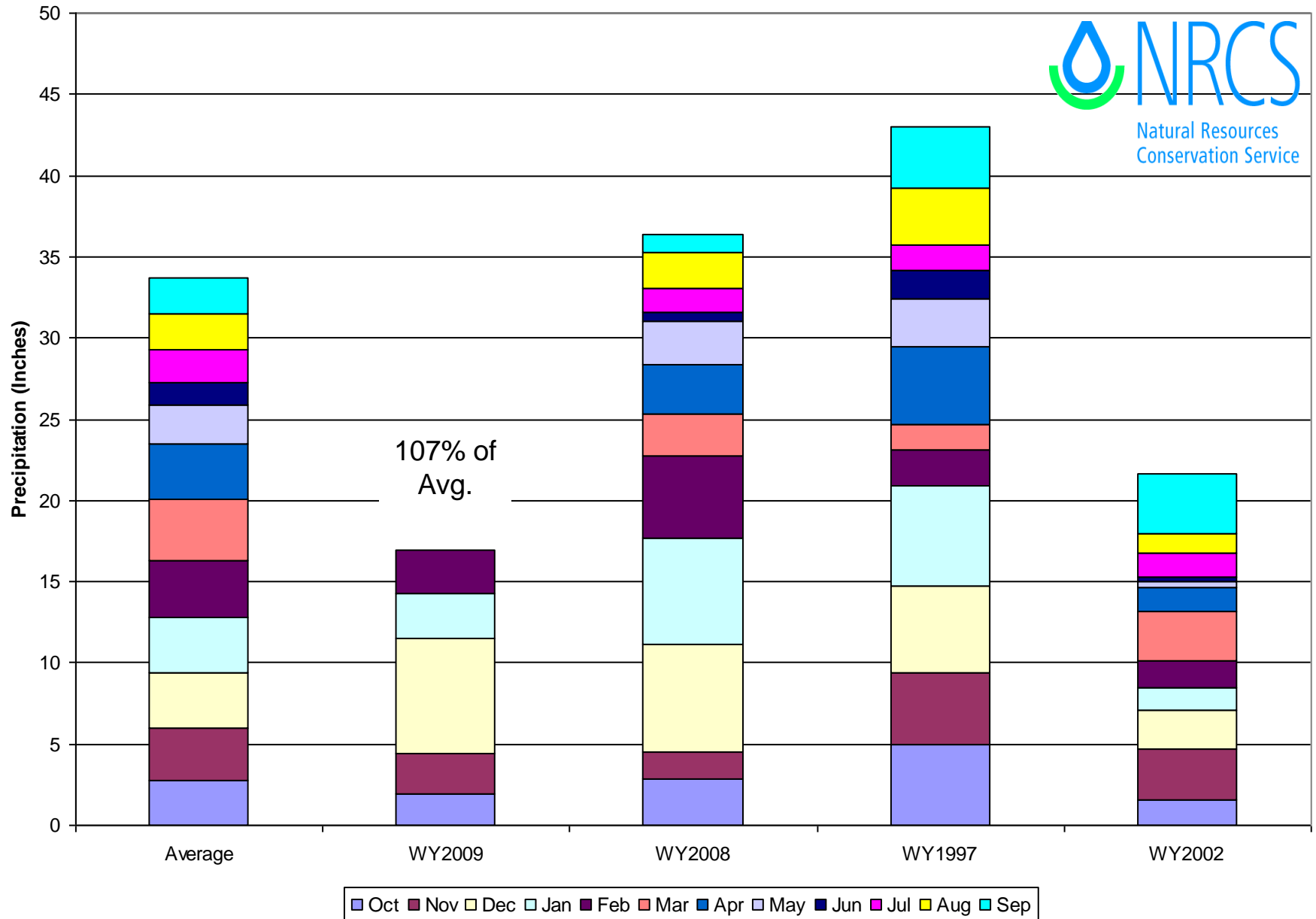
Gunnison River Basin High/Low Snowpack Summary

Based on Provisional SNOTEL data as of Feb 25, 2009



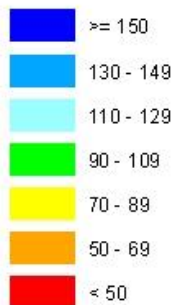
Gunnison River Basin High/Low Monthly Precipitation Summary

Based on Provisional SNOTEL data as of Feb 25, 2009

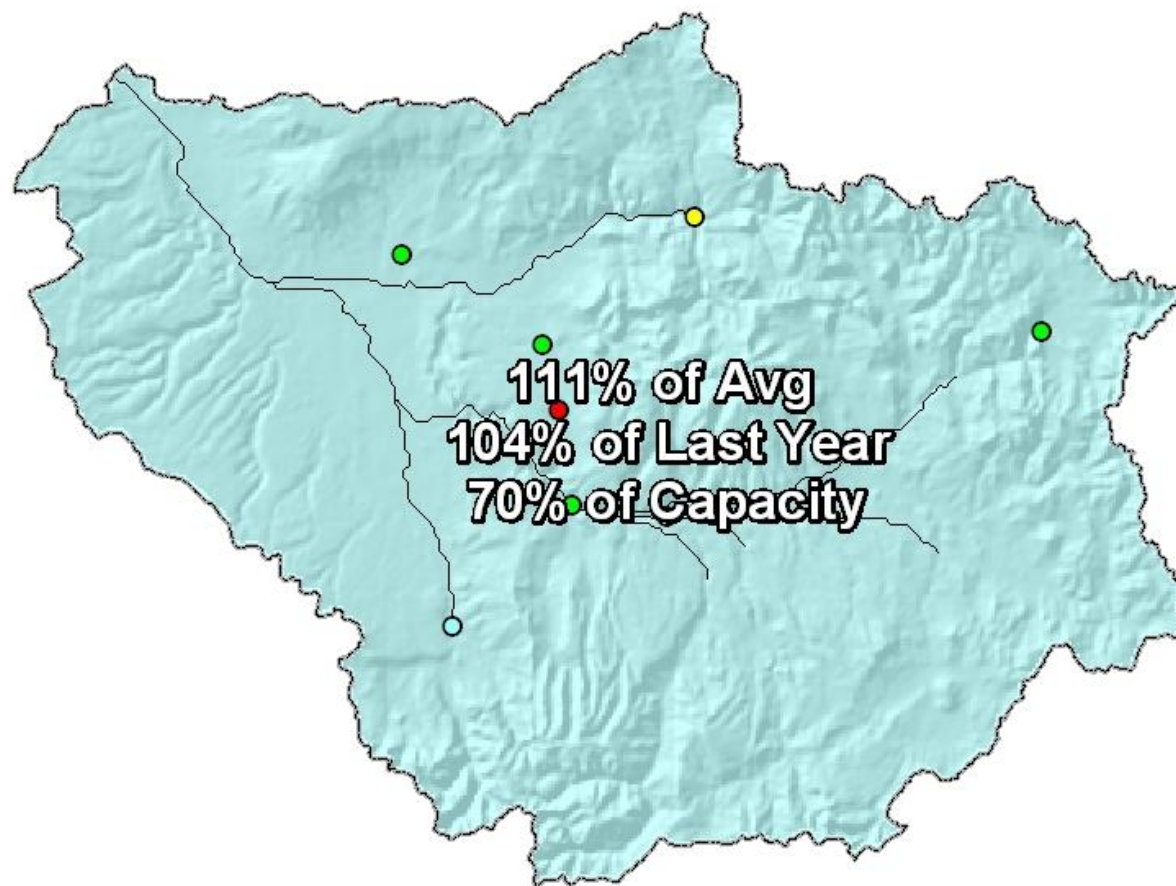


Gunnison River Basin Reservoir Storage Map

Percent of Average



*Provisional Data
Subject to Revision*



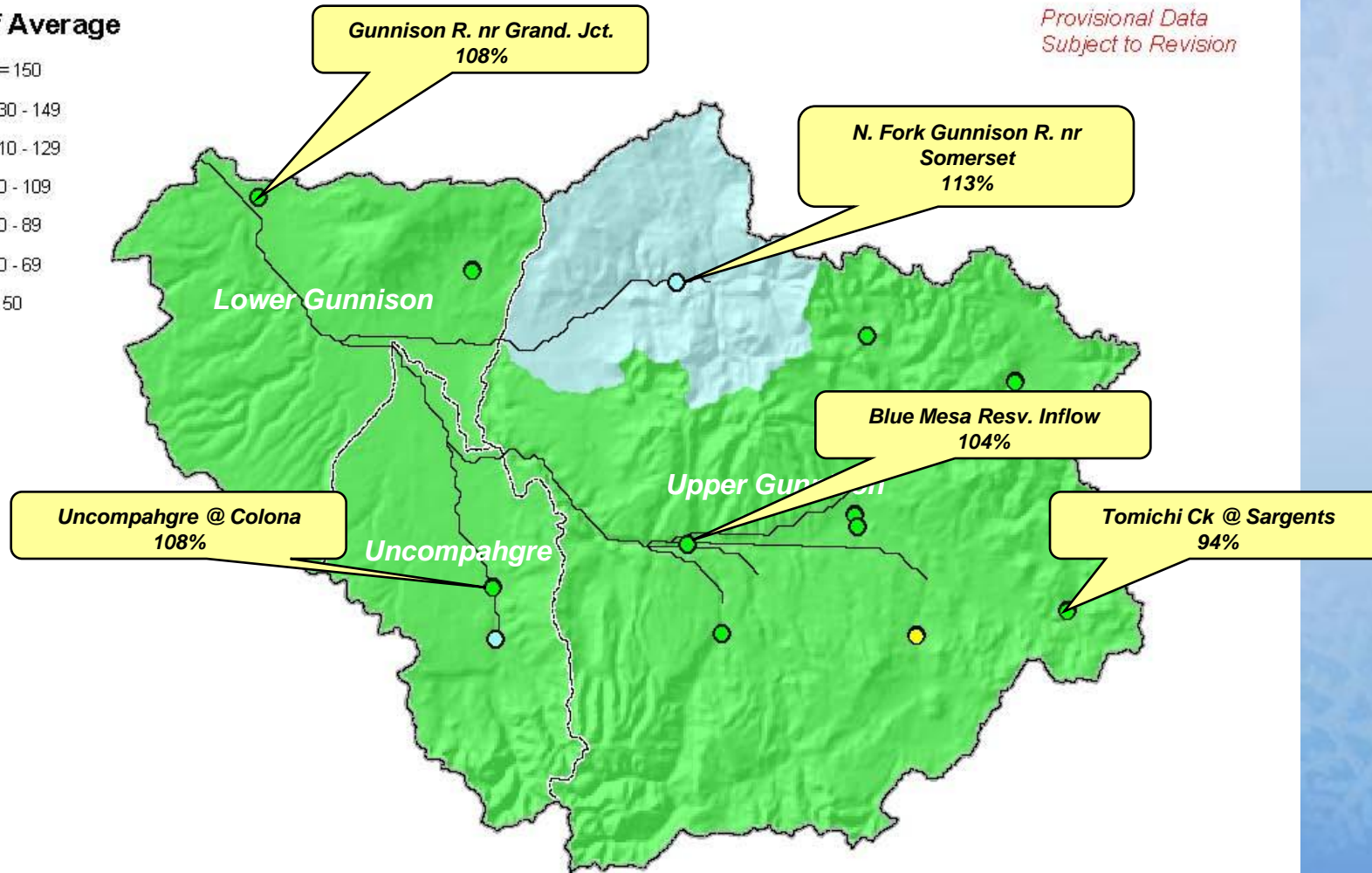
End of January 2009

Gunnison River Basin Streamflow Forecast Map

Percent of Average

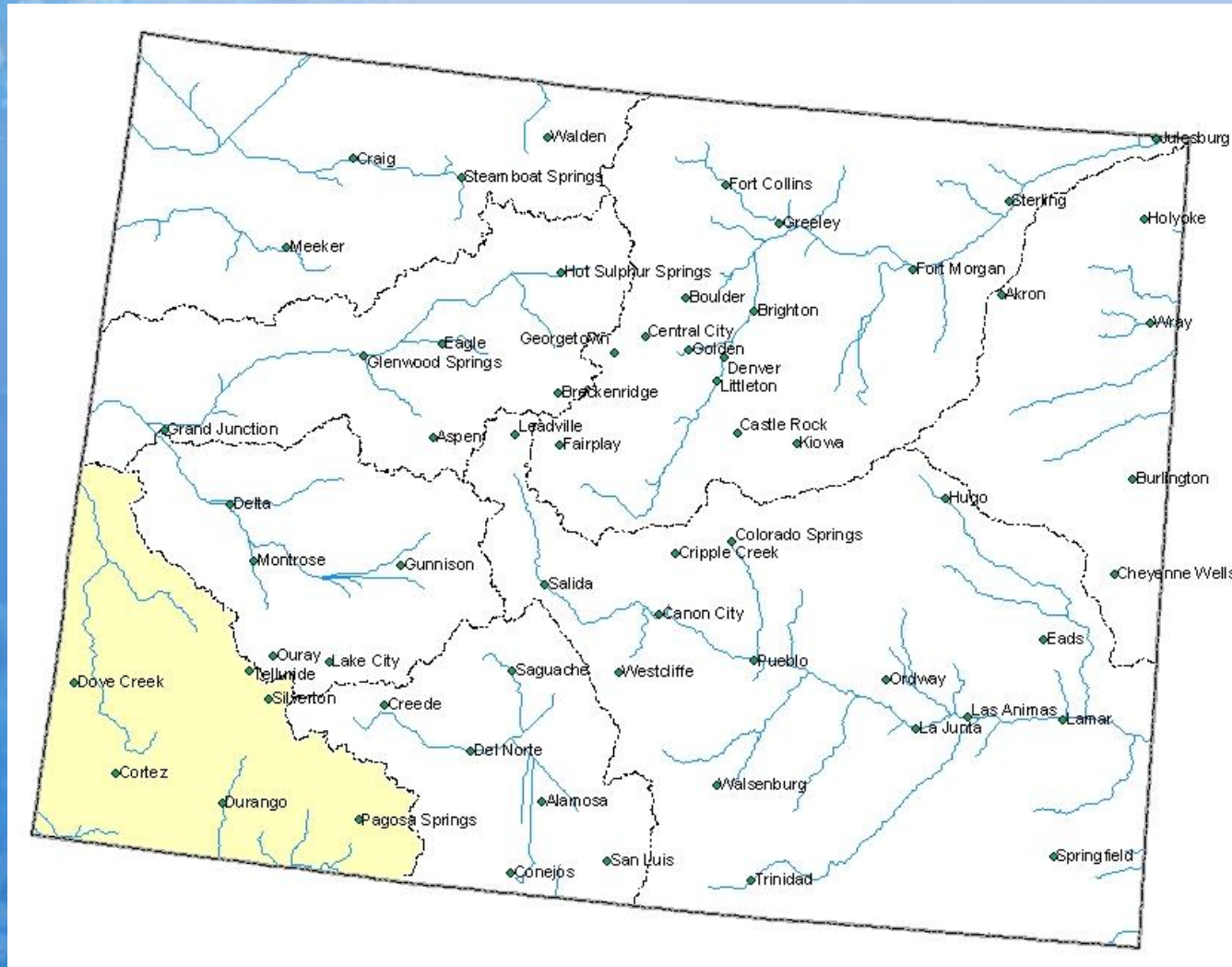


*Provisional Data
Subject to Revision*



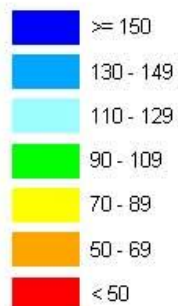
Current as of February 1, 2009

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

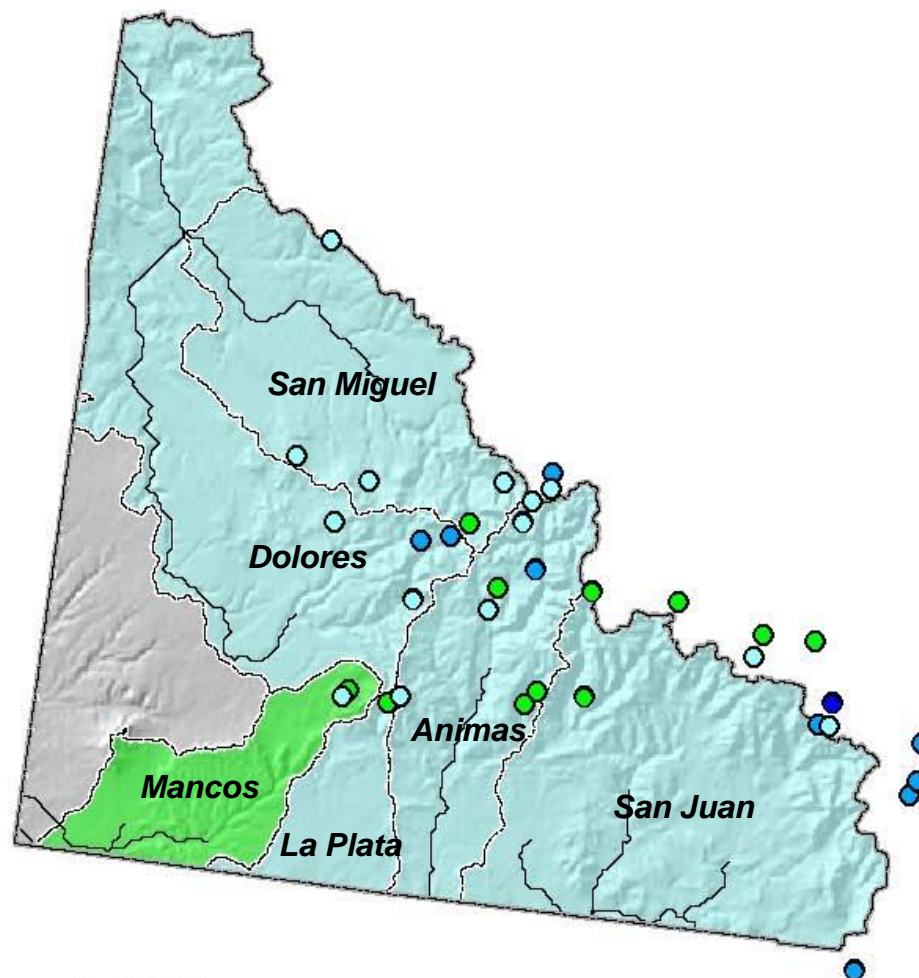


San Miguel, Dolores, Animas and San Juan River Basins Snowpack Map

Percent of Average

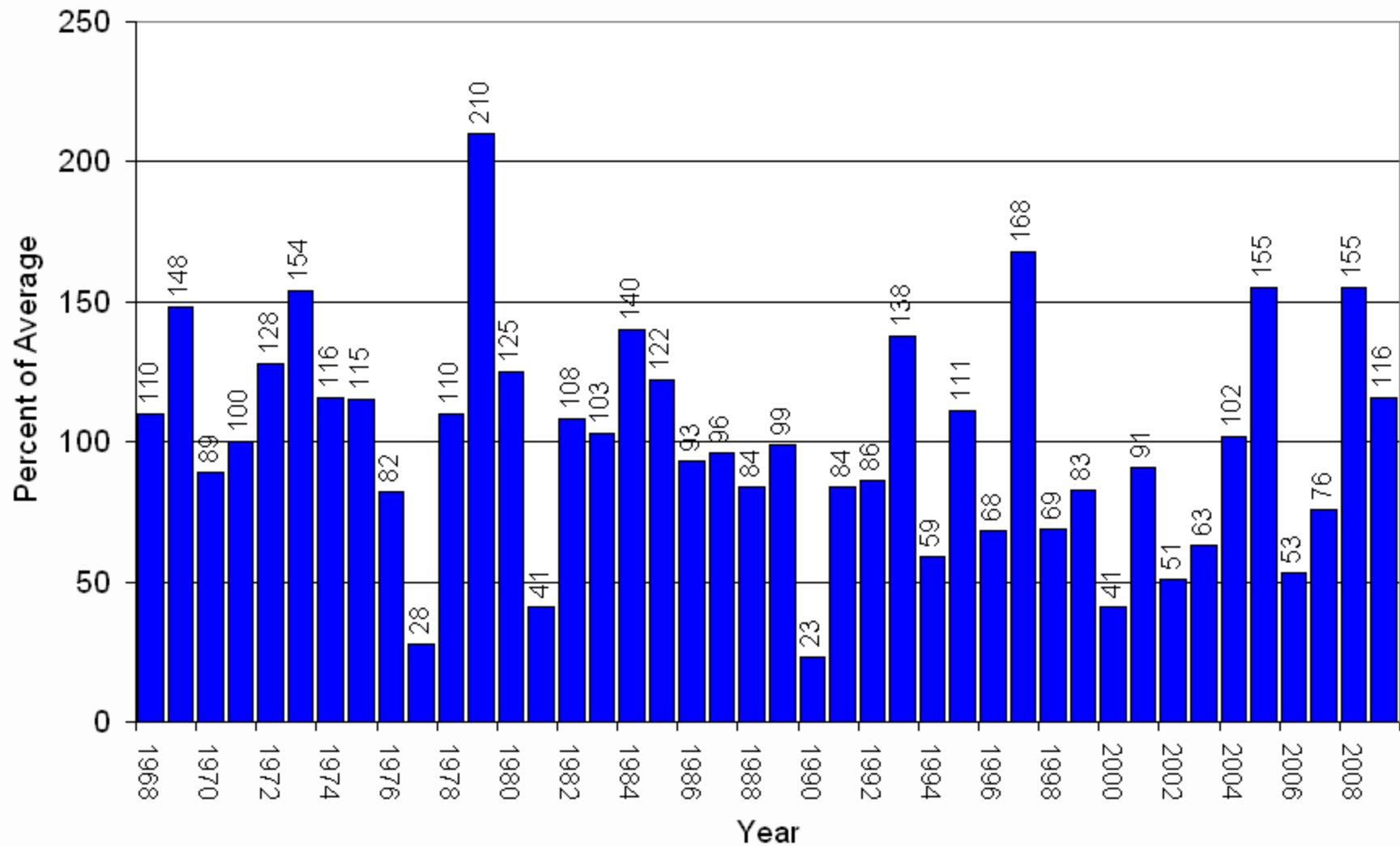


*Provisional Data
Subject to Revision*



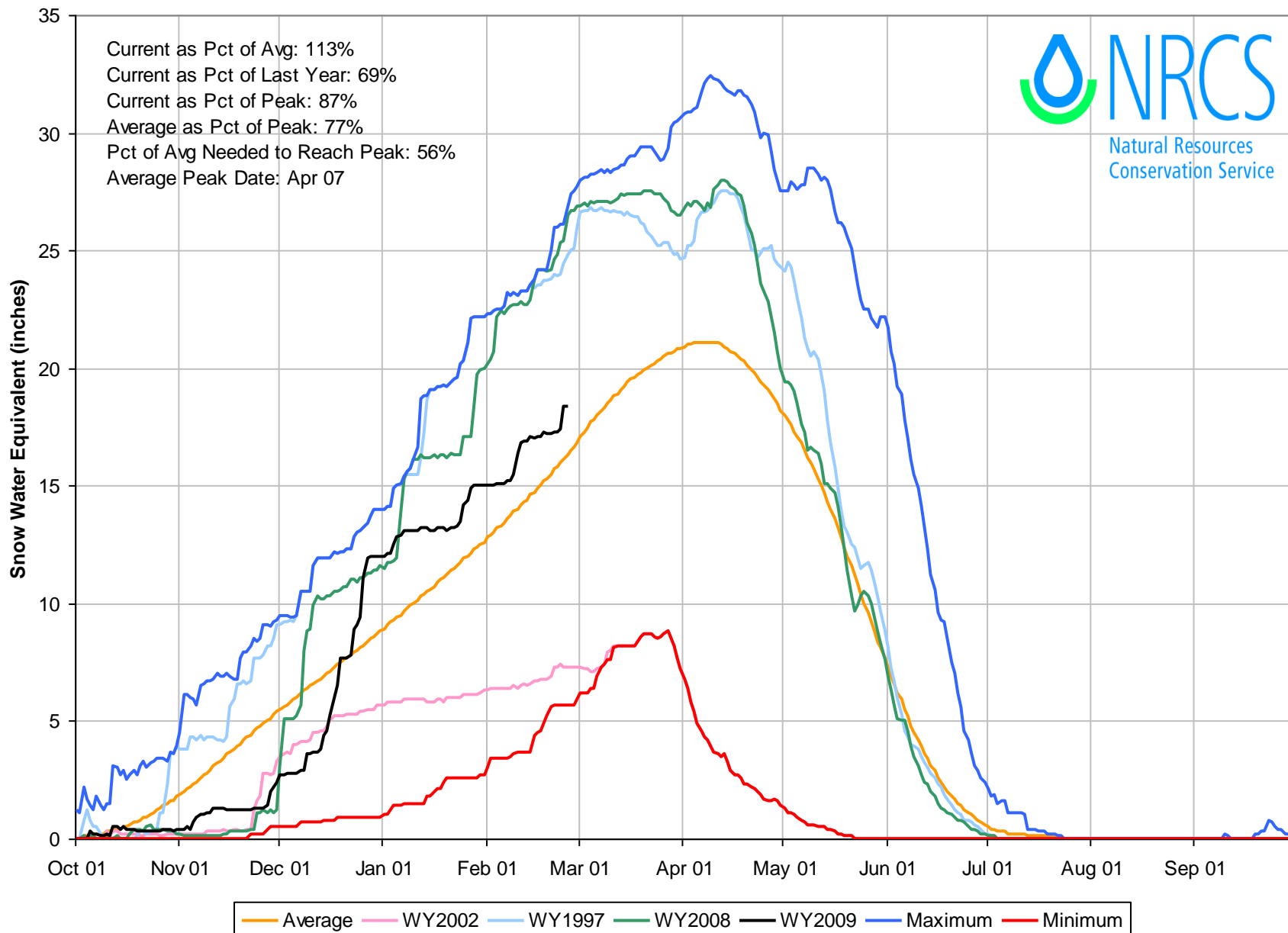
Current as of February 1, 2009

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



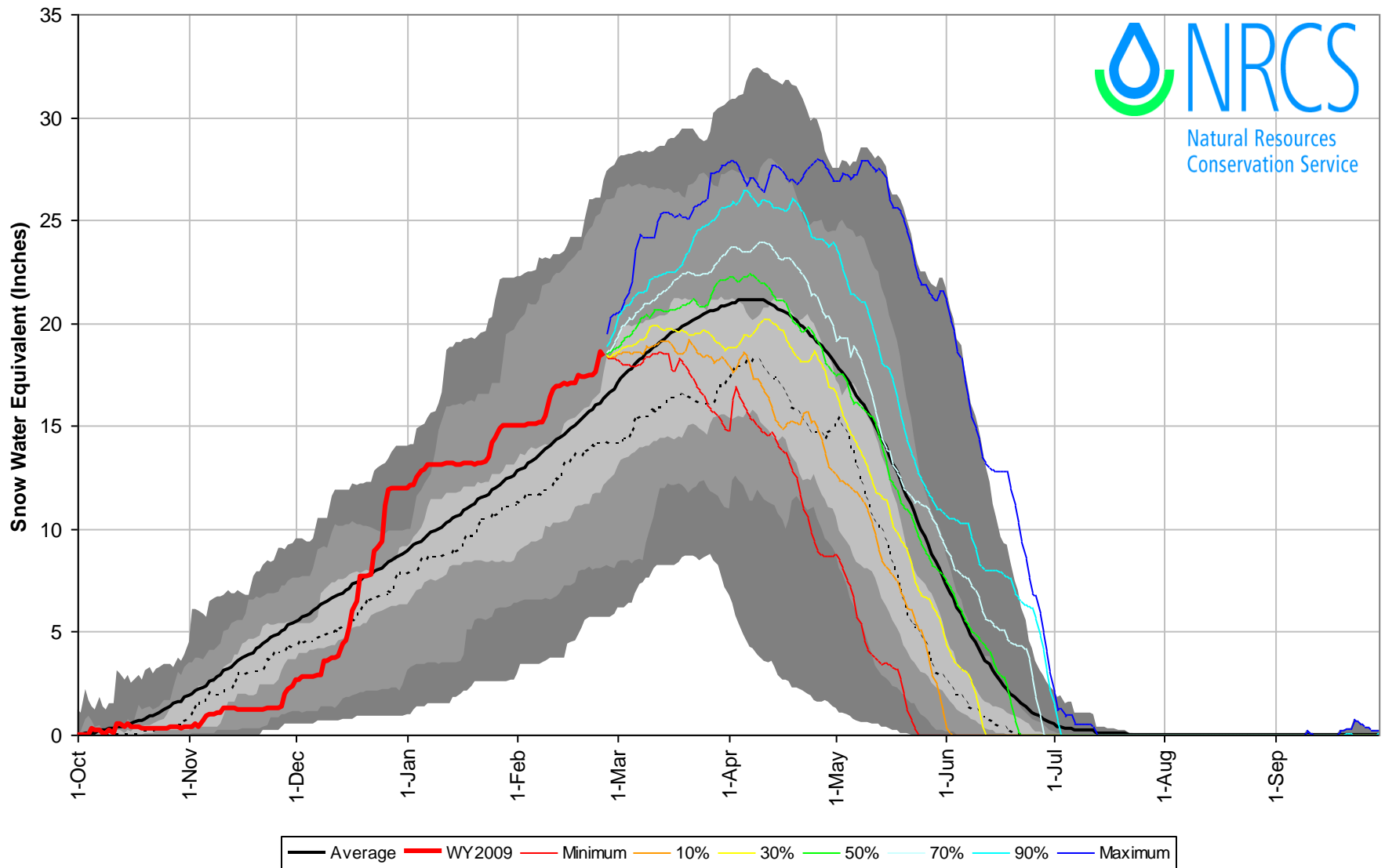
San Miguel, Dolores, Animas & San Juan River Basins High/Low Snowpack Summary

Based on Provisional SNOTEL data as of Feb 25, 2009



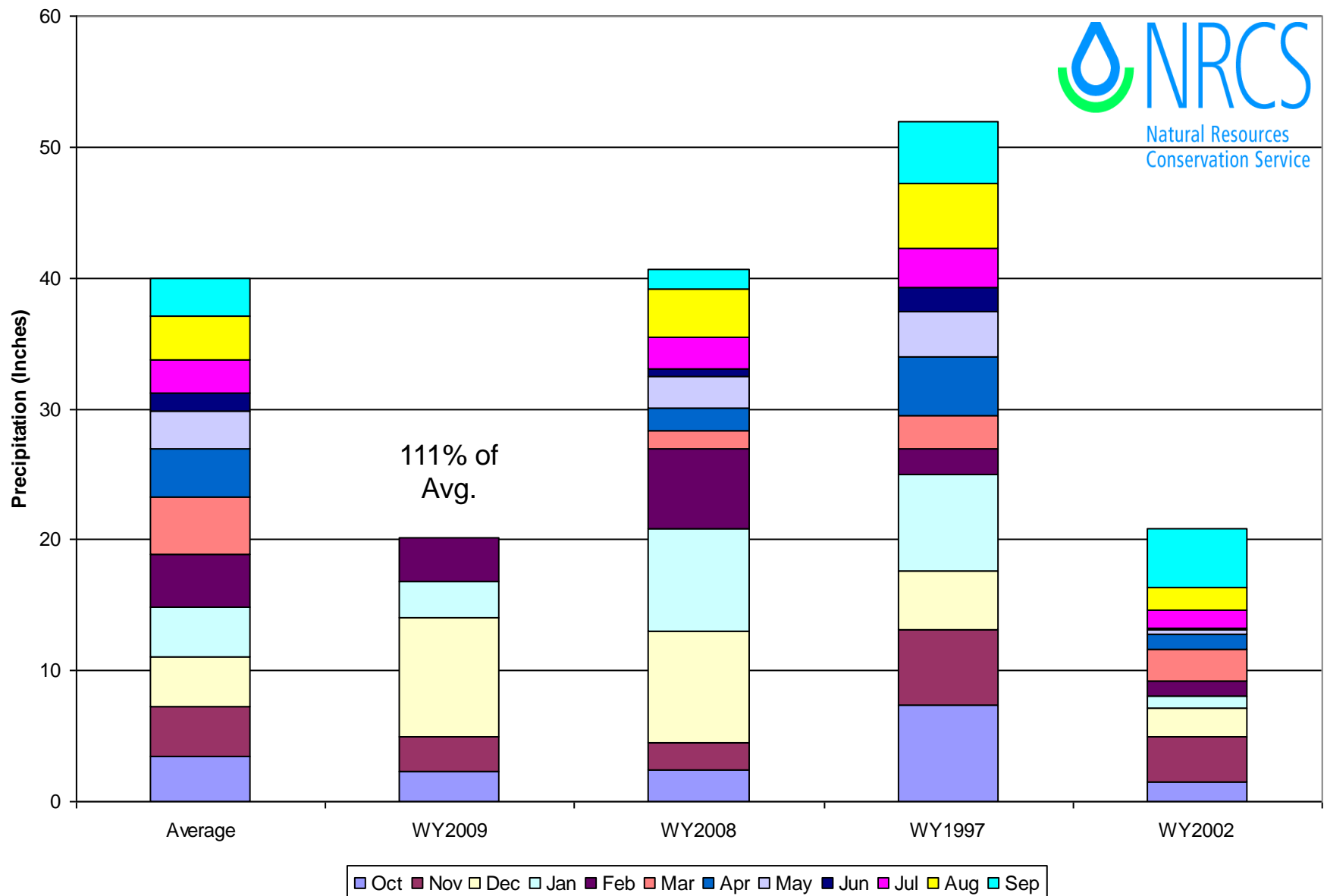
San Miguel, Dolores, Animas & San Juan River Basins with Non-Exceedence Projections

Based on Provisional SNOTEL Data as of Feb 25, 2009



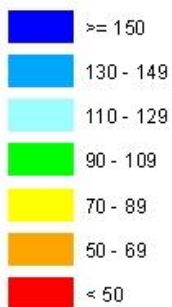
San Miguel, Dolores, Animas and San Juan River Basins High/Low Monthly Precipitation Summary

Based on Provisional SNOTEL data as of Feb 25, 2009

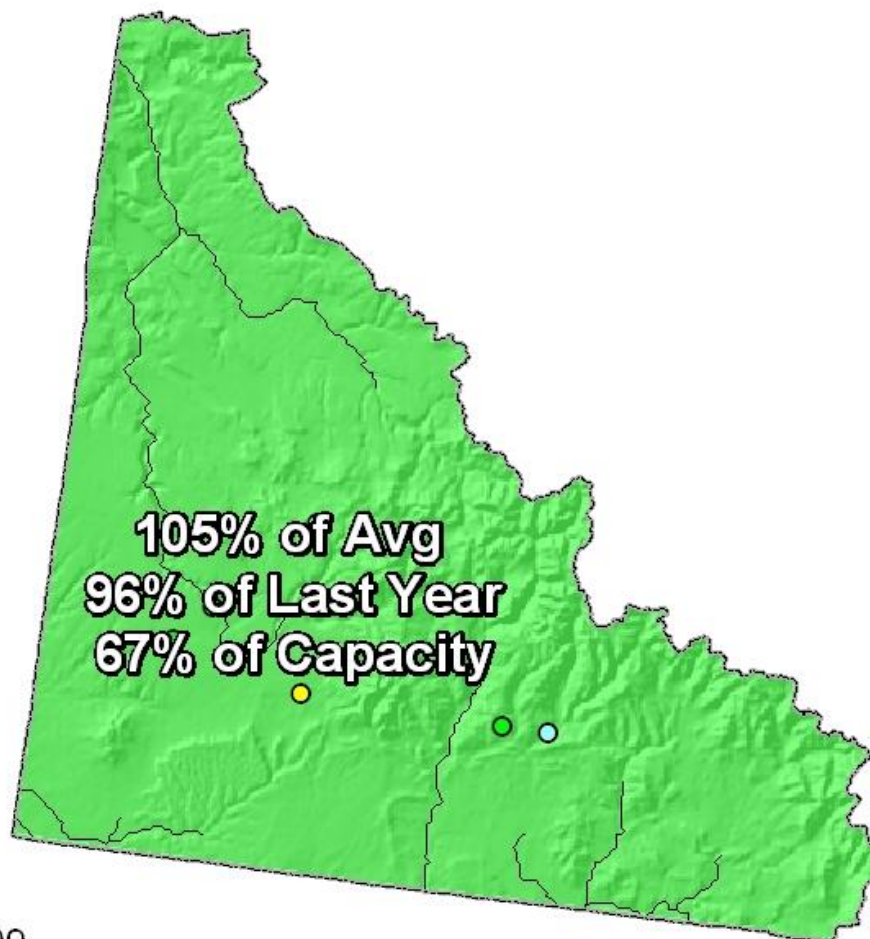


San Miguel, Dolores, Animas and San Juan River Basins Reservoir Storage Map

Percent of Average



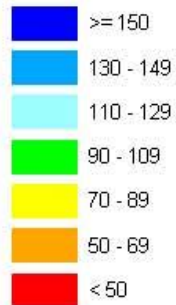
*Provisional Data
Subject to Revision*



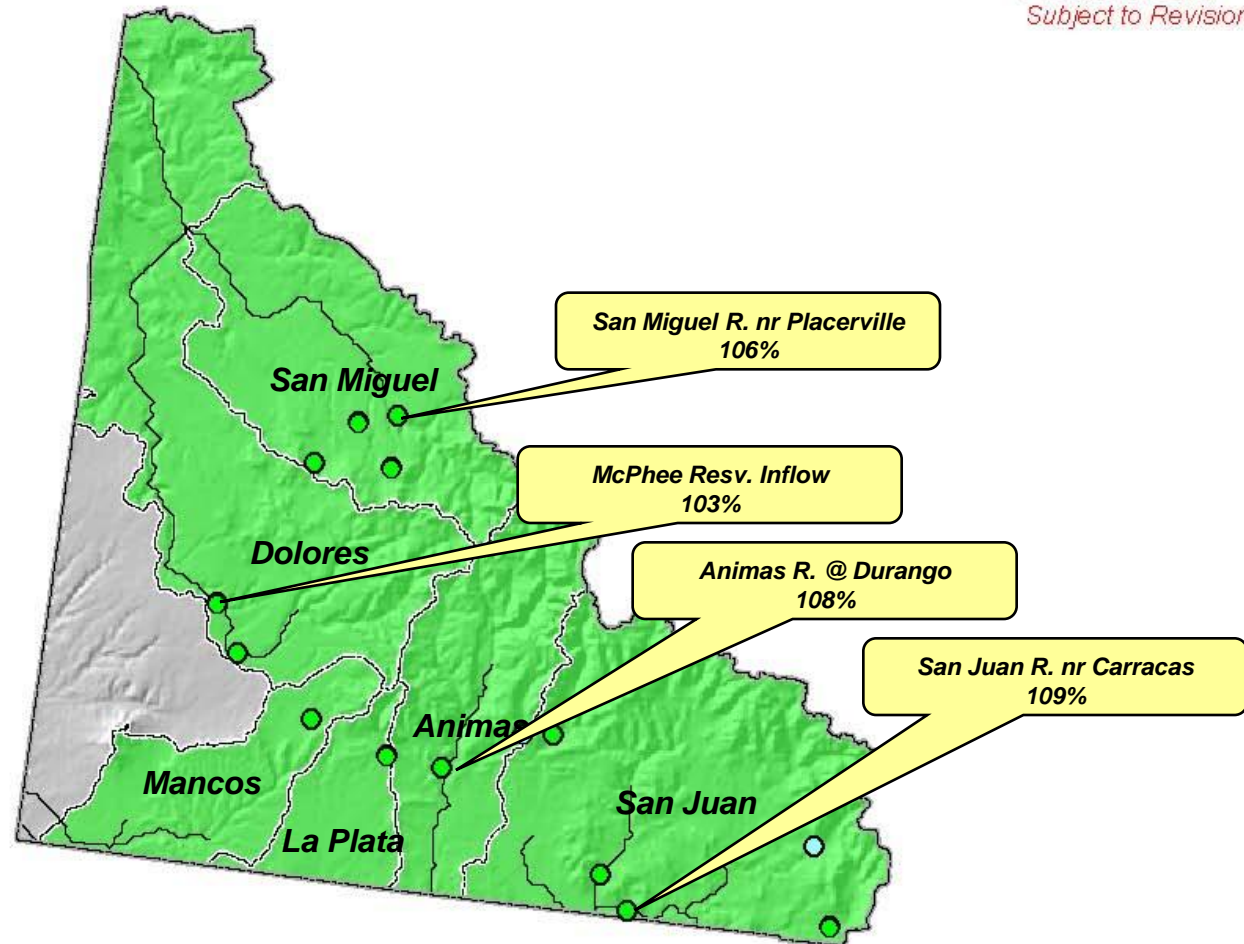
End of January 2009

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

Percent of Average

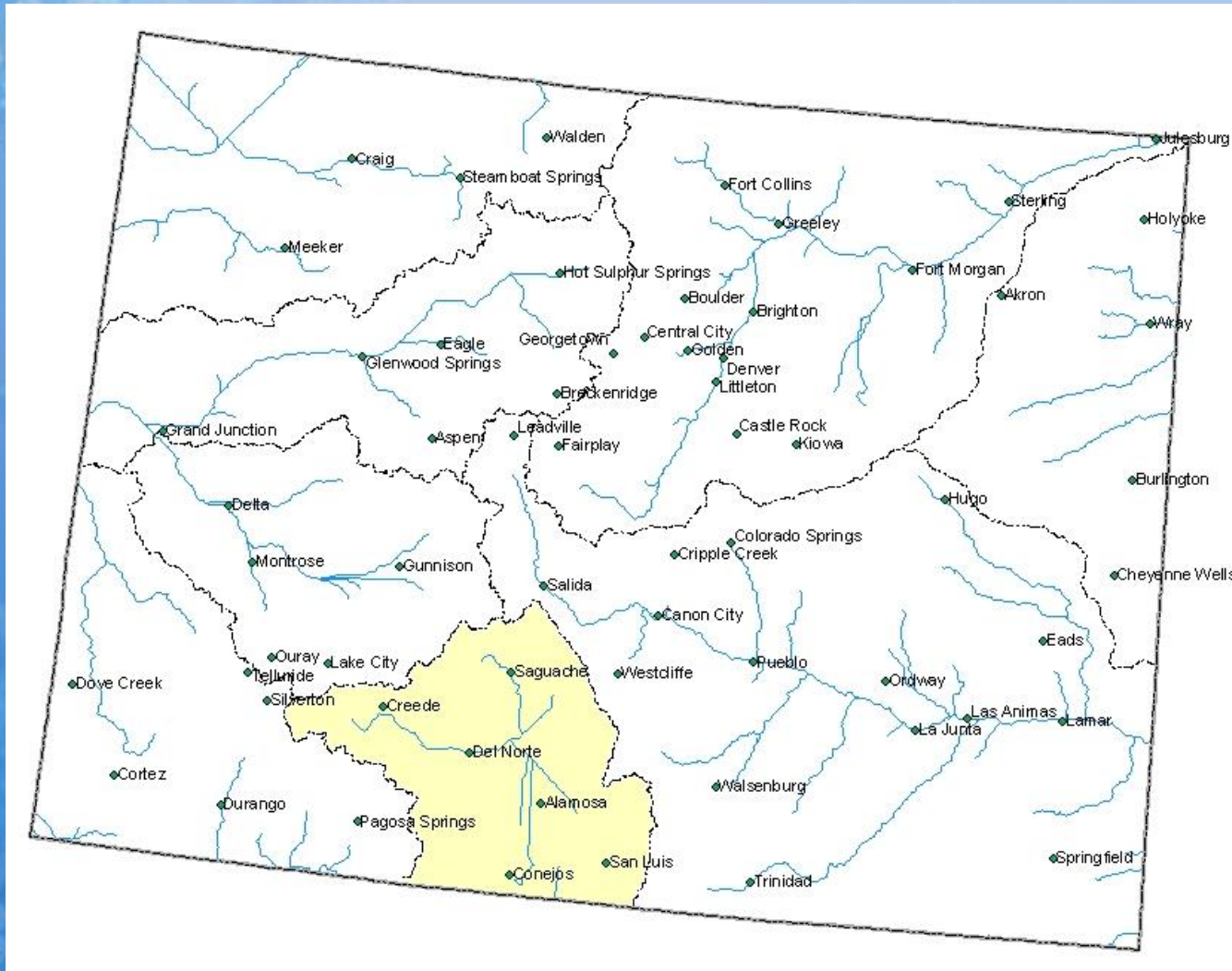


*Provisional Data
Subject to Revision*



Current as of February 1, 2009

Upper Rio Grande Basin Summary

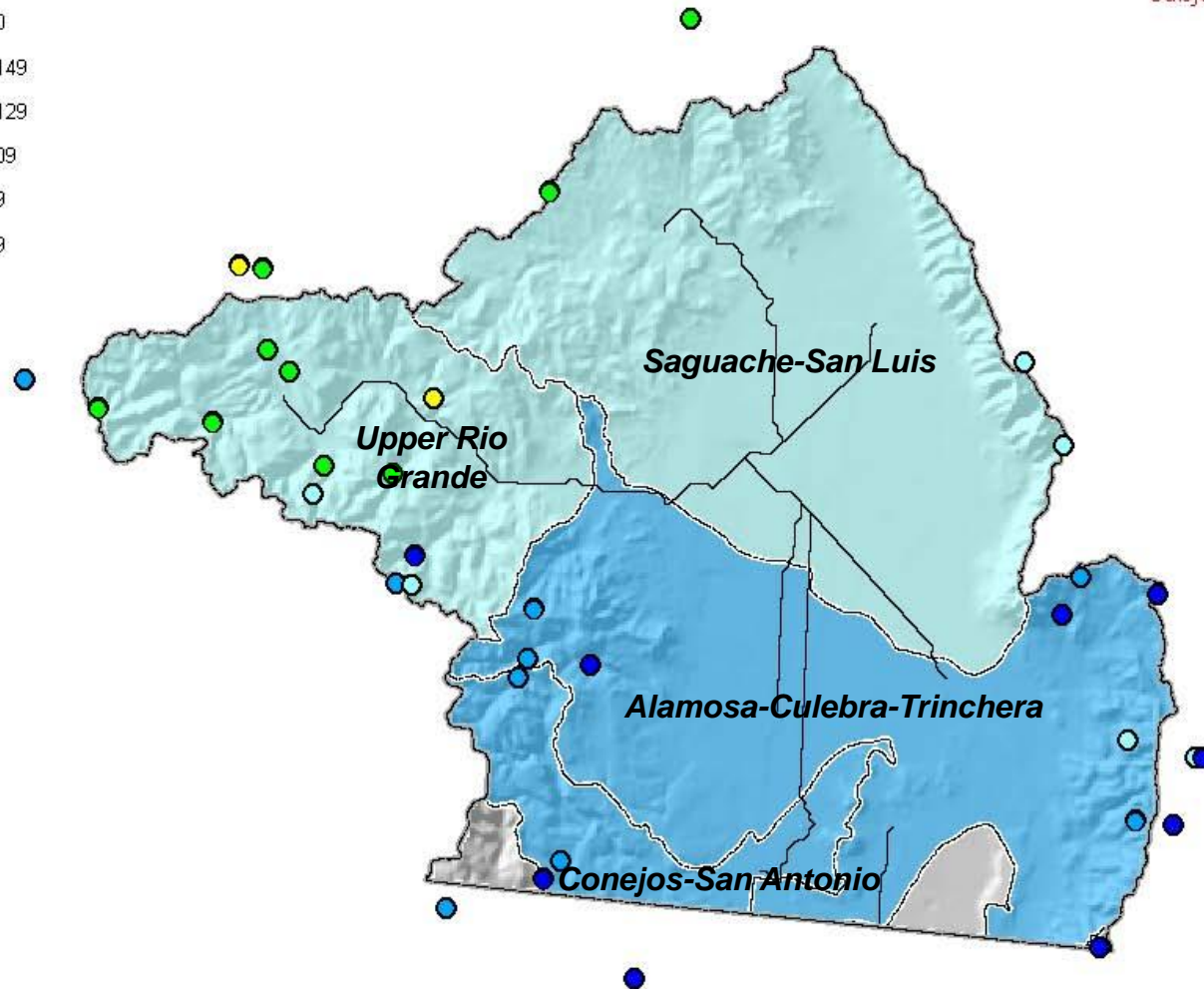


Upper Rio Grande Basin Snowpack Map

Percent of Average

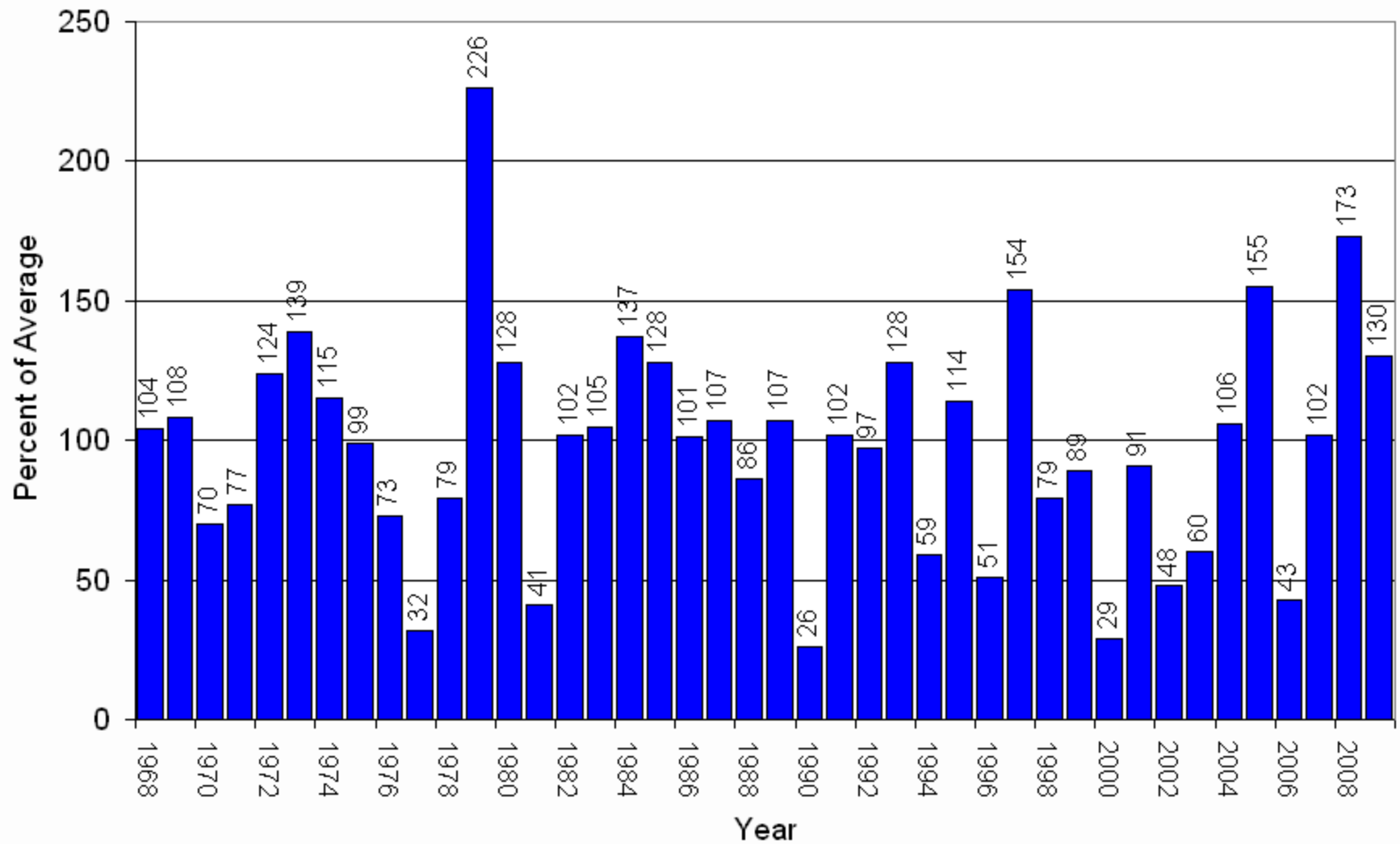


*Provisional Data
Subject to Revision*



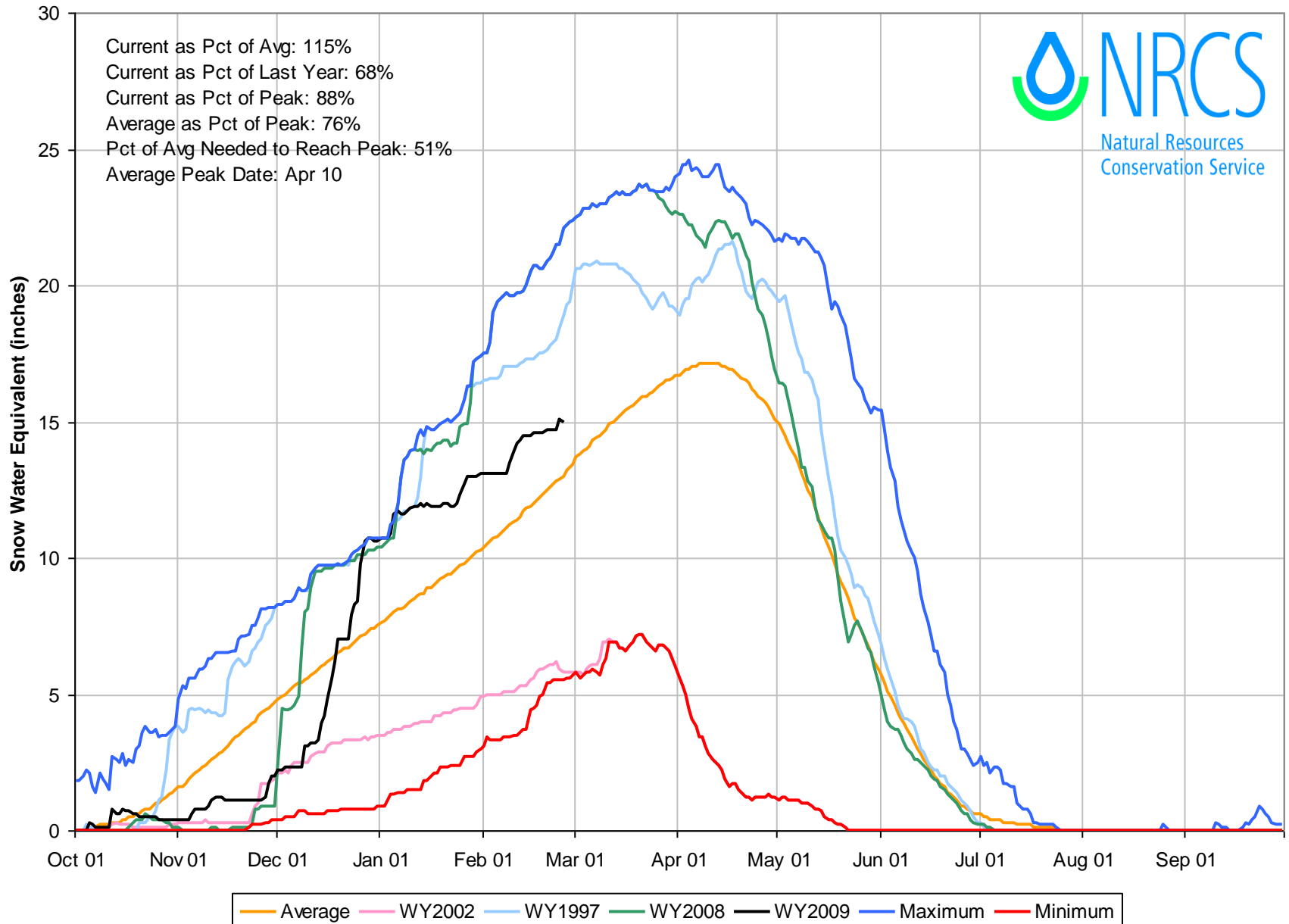
Current as of February 1, 2009

February 1 Total Upper Rio Grande Basin Snowpack



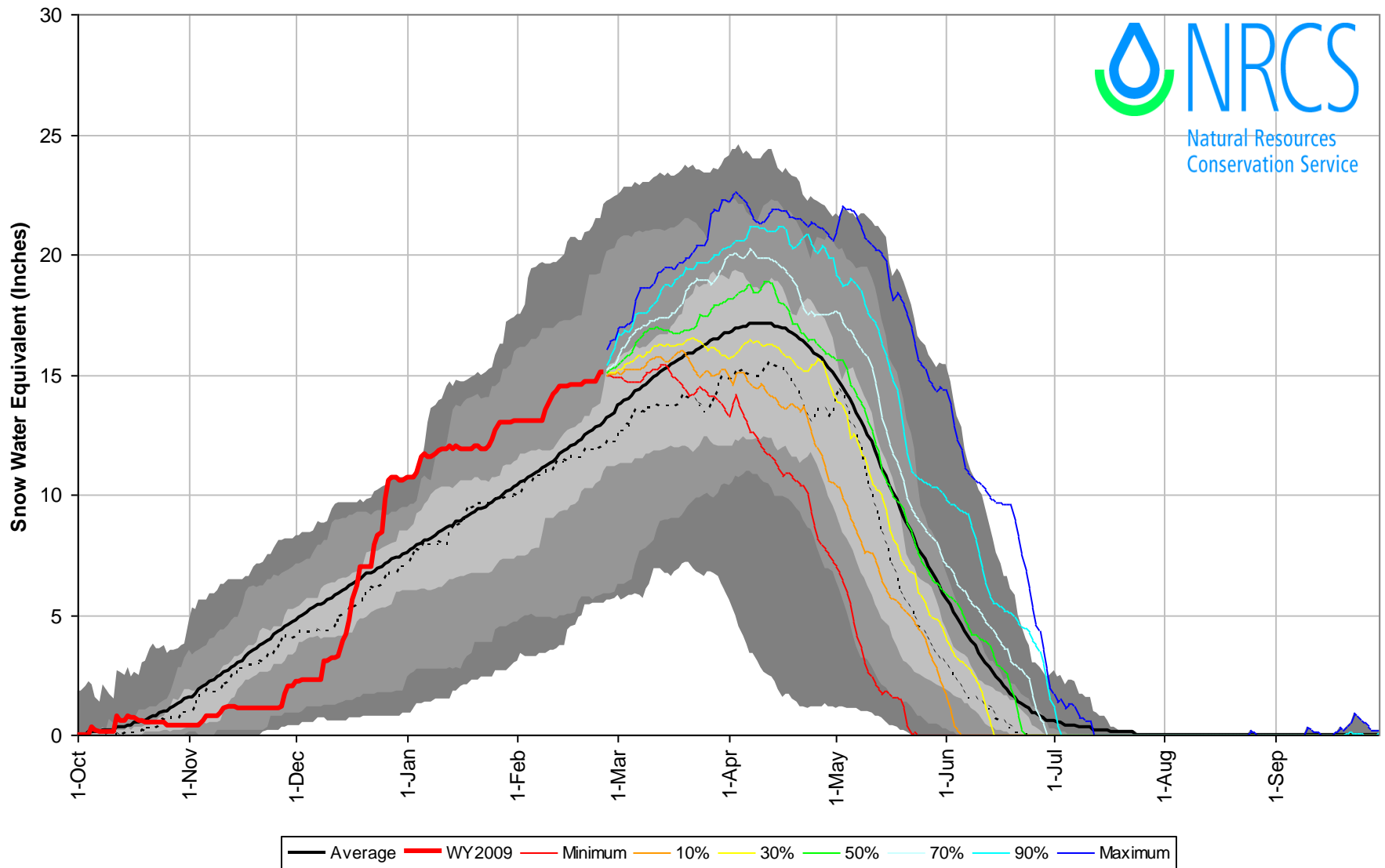
Upper Rio Grande Basin High/Low Snowpack Summary

Based on Provisional SNOTEL data as of Feb 25, 2009



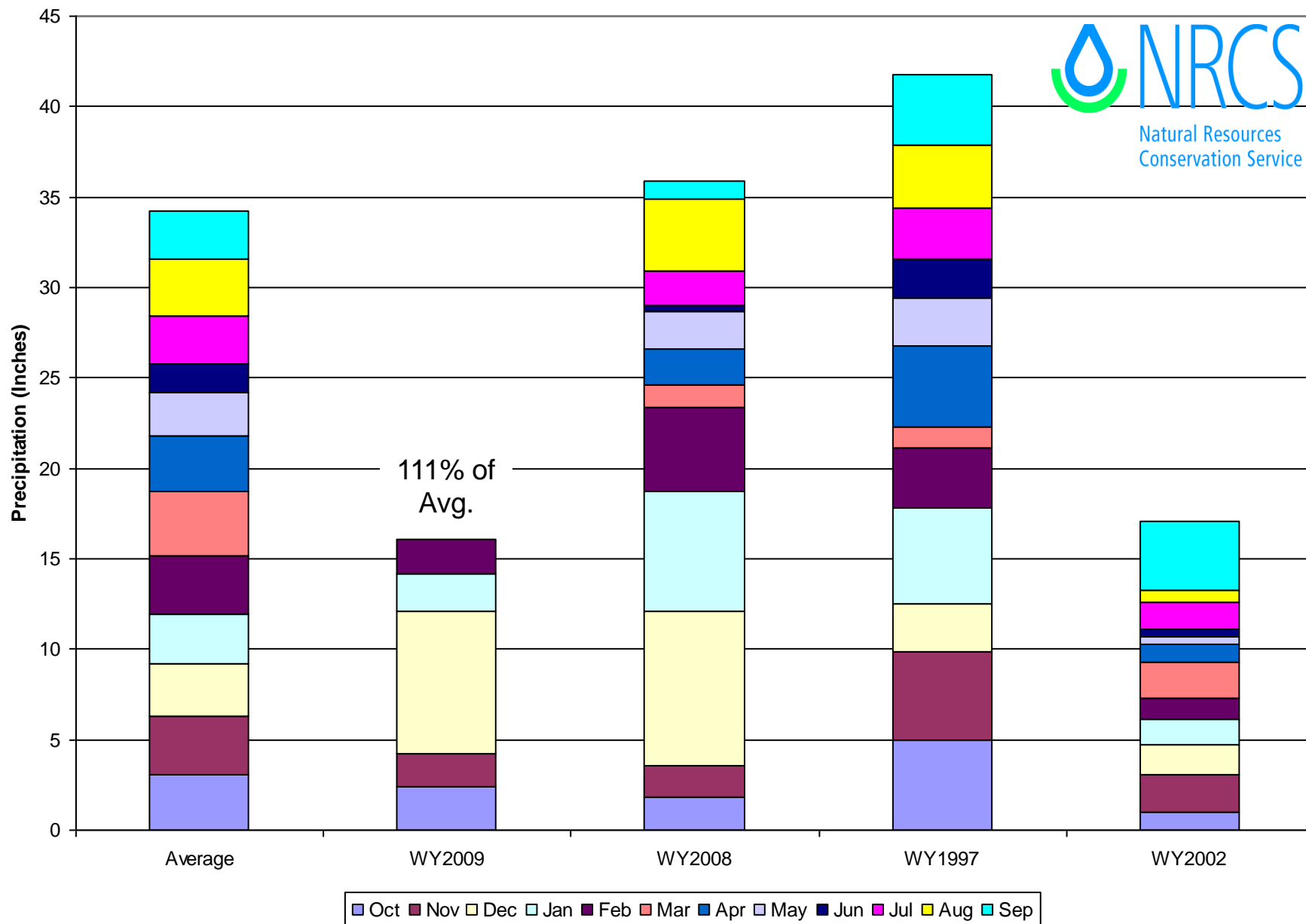
Upper Rio Grande Basin with Non-Exceedence Projections

Based on Provisional SNOTEL Data as of Feb 25, 2009



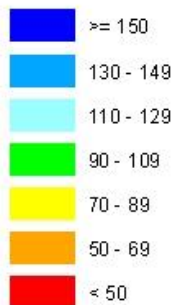
Upper Rio Grande Basin High/Low Monthly Precipitation Summary

Based on Provisional SNOTEL data as of Feb 25, 2009

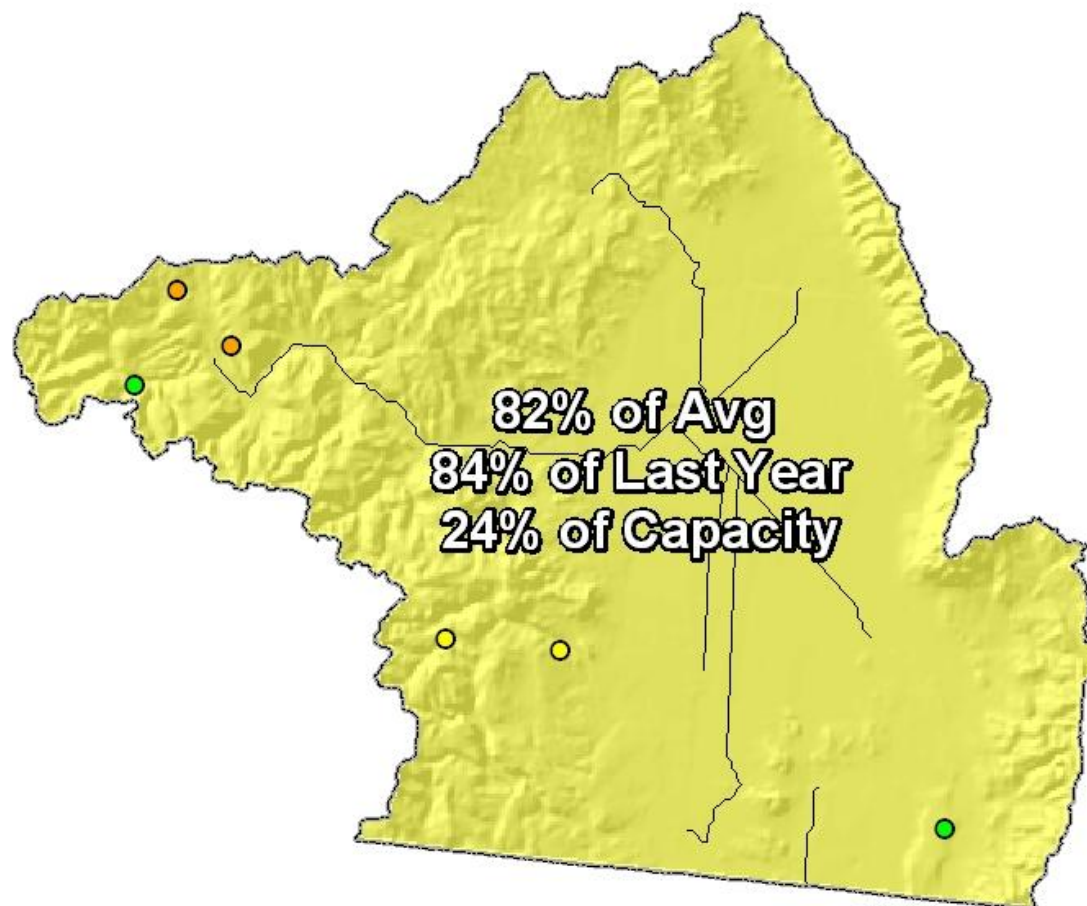


Upper Rio Grande Basin Reservoir Storage Map

Percent of Average



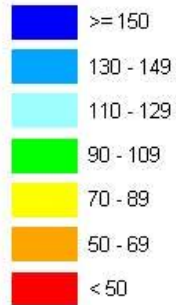
*Provisional Data
Subject to Revision*



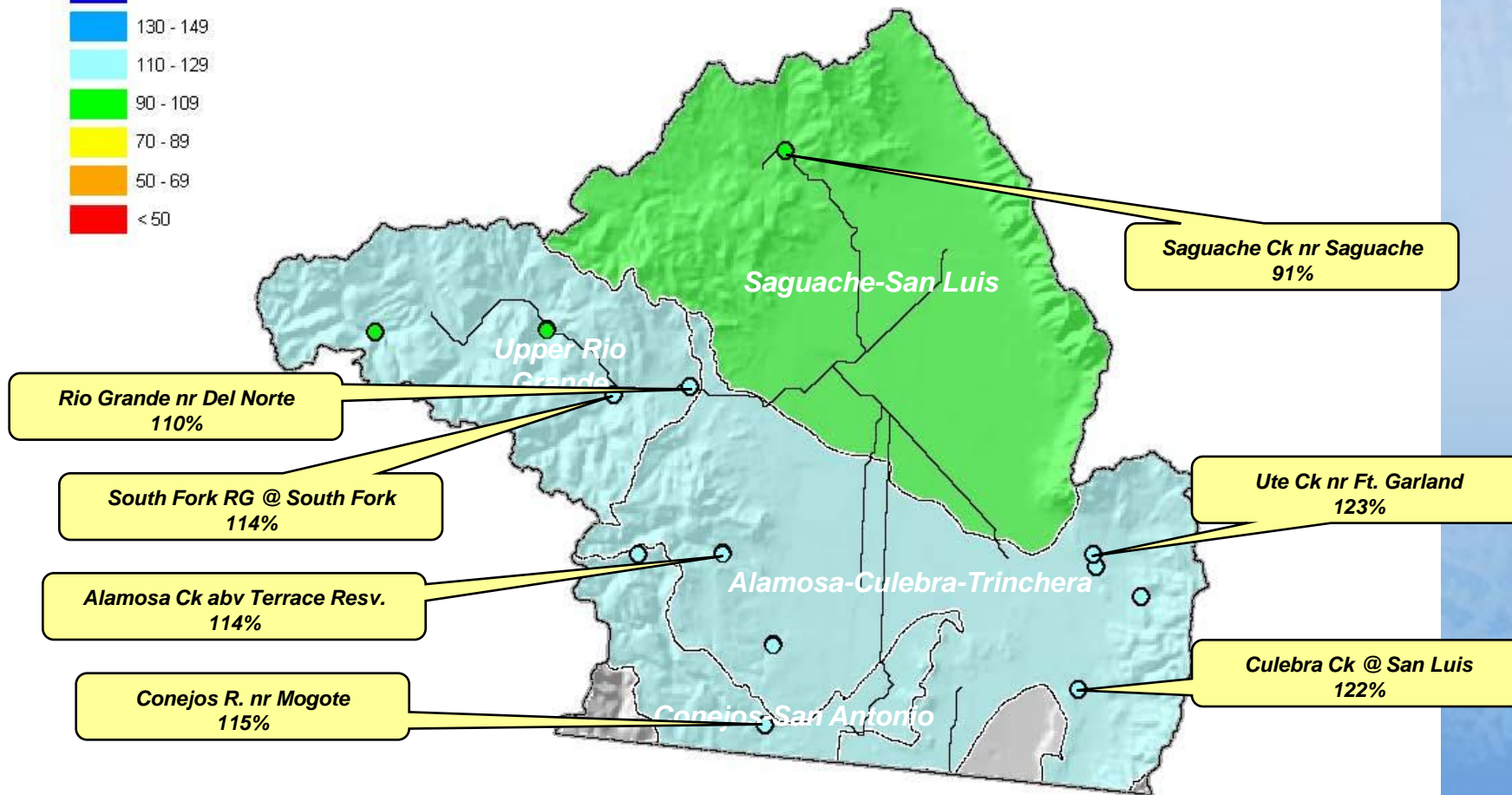
End of January 2009

Upper Rio Grande Basin Streamflow Forecast Map

Percent of Average

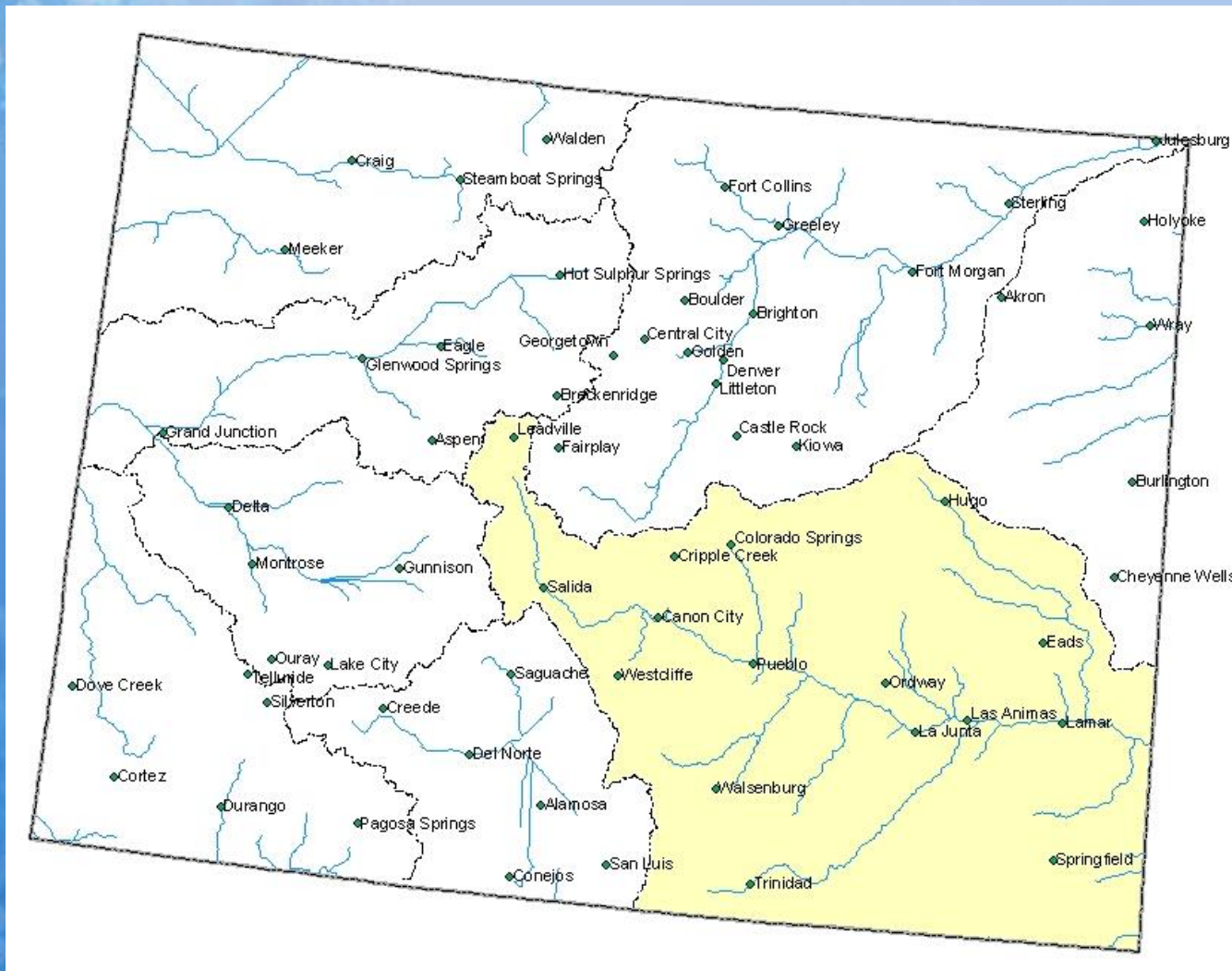


*Provisional Data
Subject to Revision*



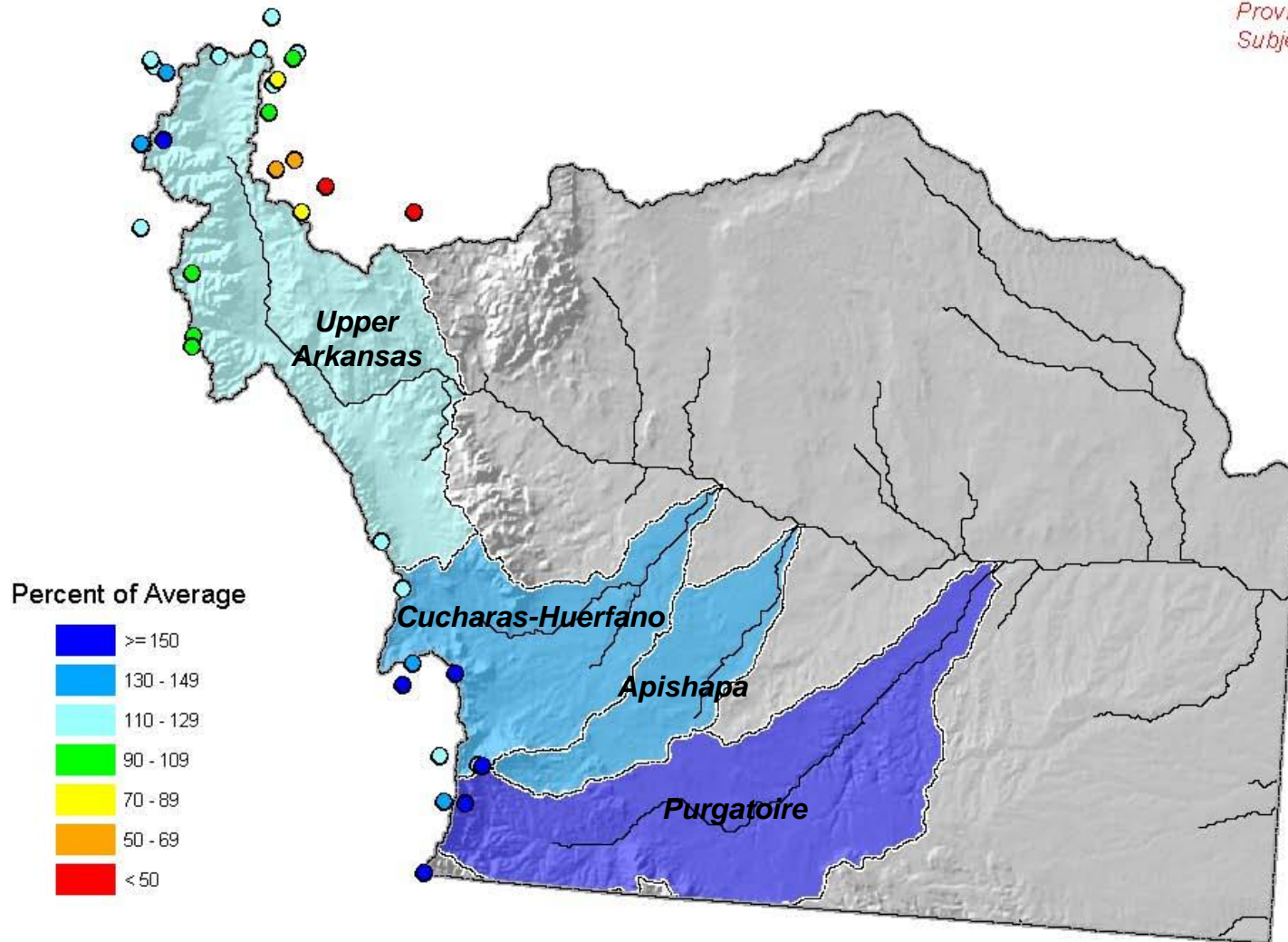
Current as of February 1, 2009

Arkansas River Basin Summary



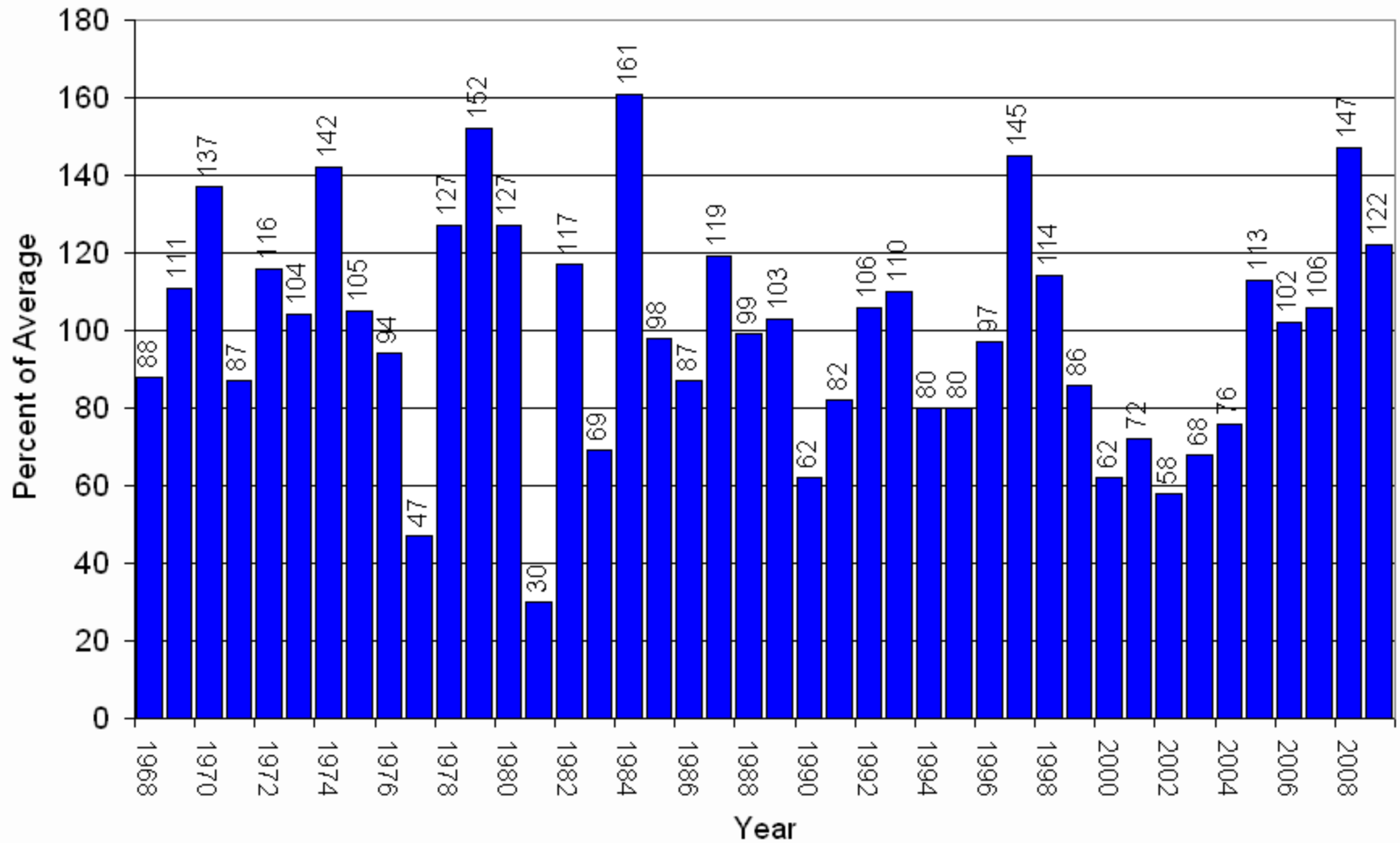
Arkansas River Basin Snowpack Map

*Provisional Data
Subject to Revision*



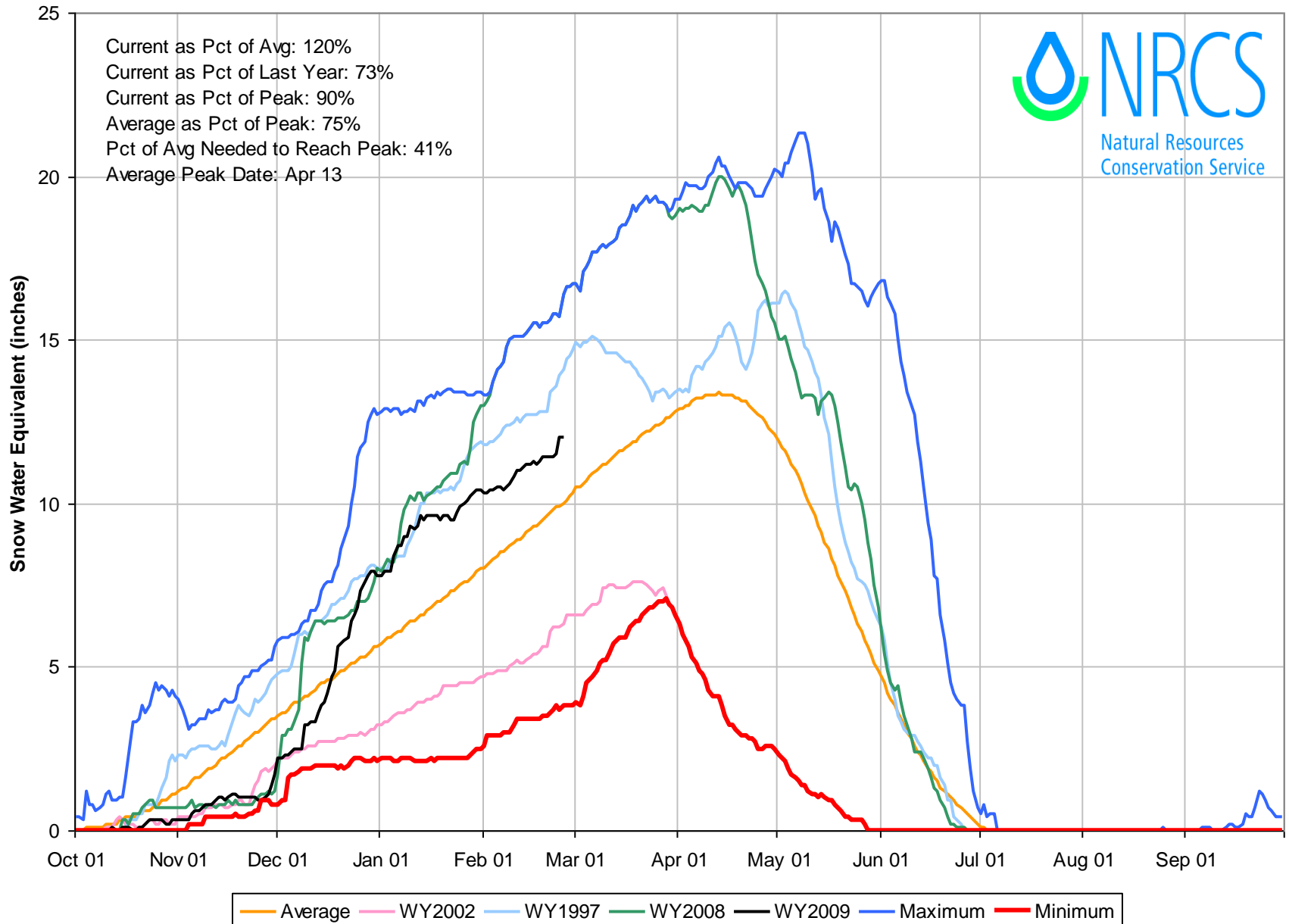
Current as of February 1, 2009

February 1 Total Arkansas River Basin Snowpack



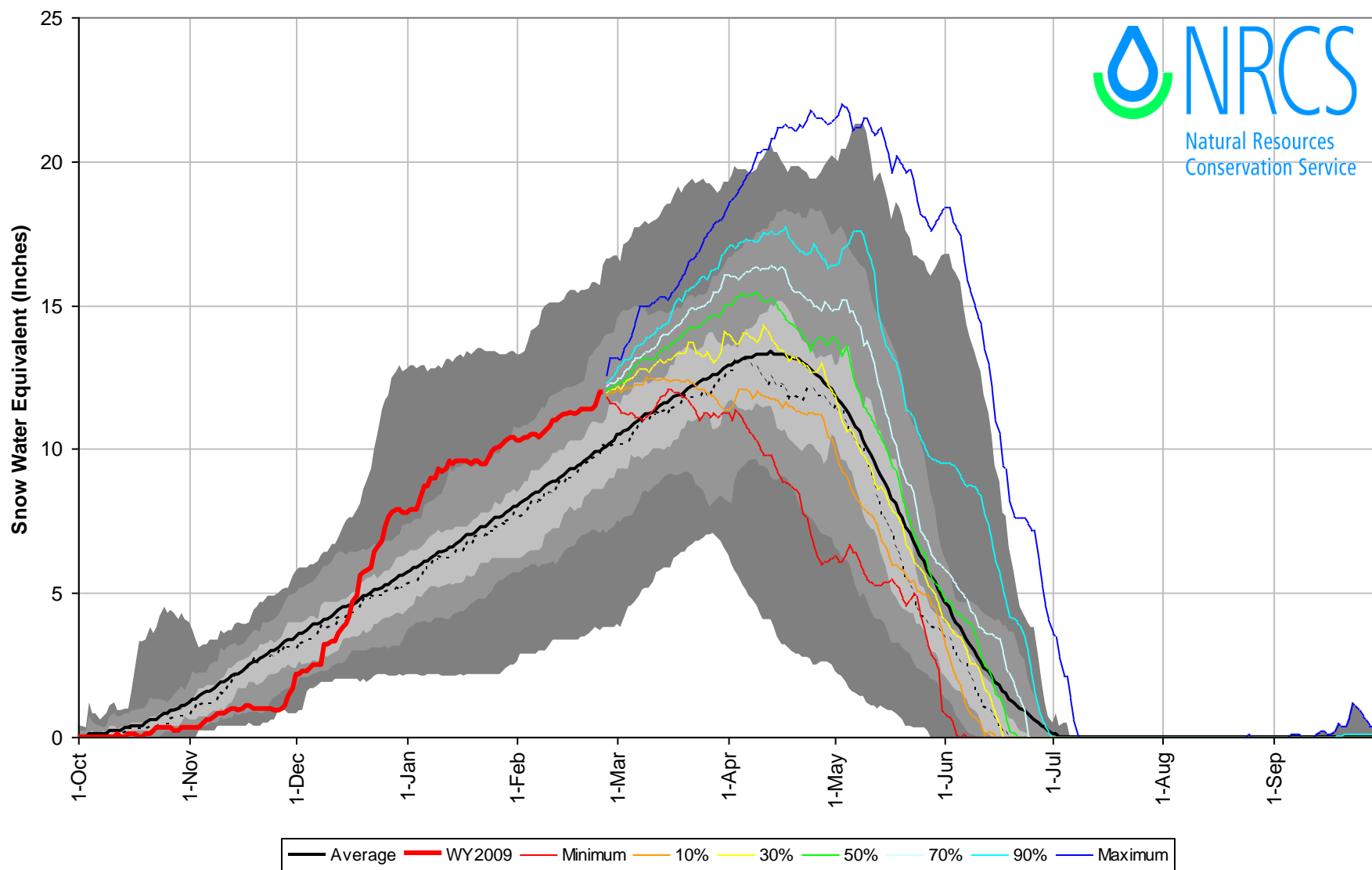
Arkansas River Basin High/Low Snowpack Summary

Based on Provisional SNOTEL data as of Feb 25, 2009



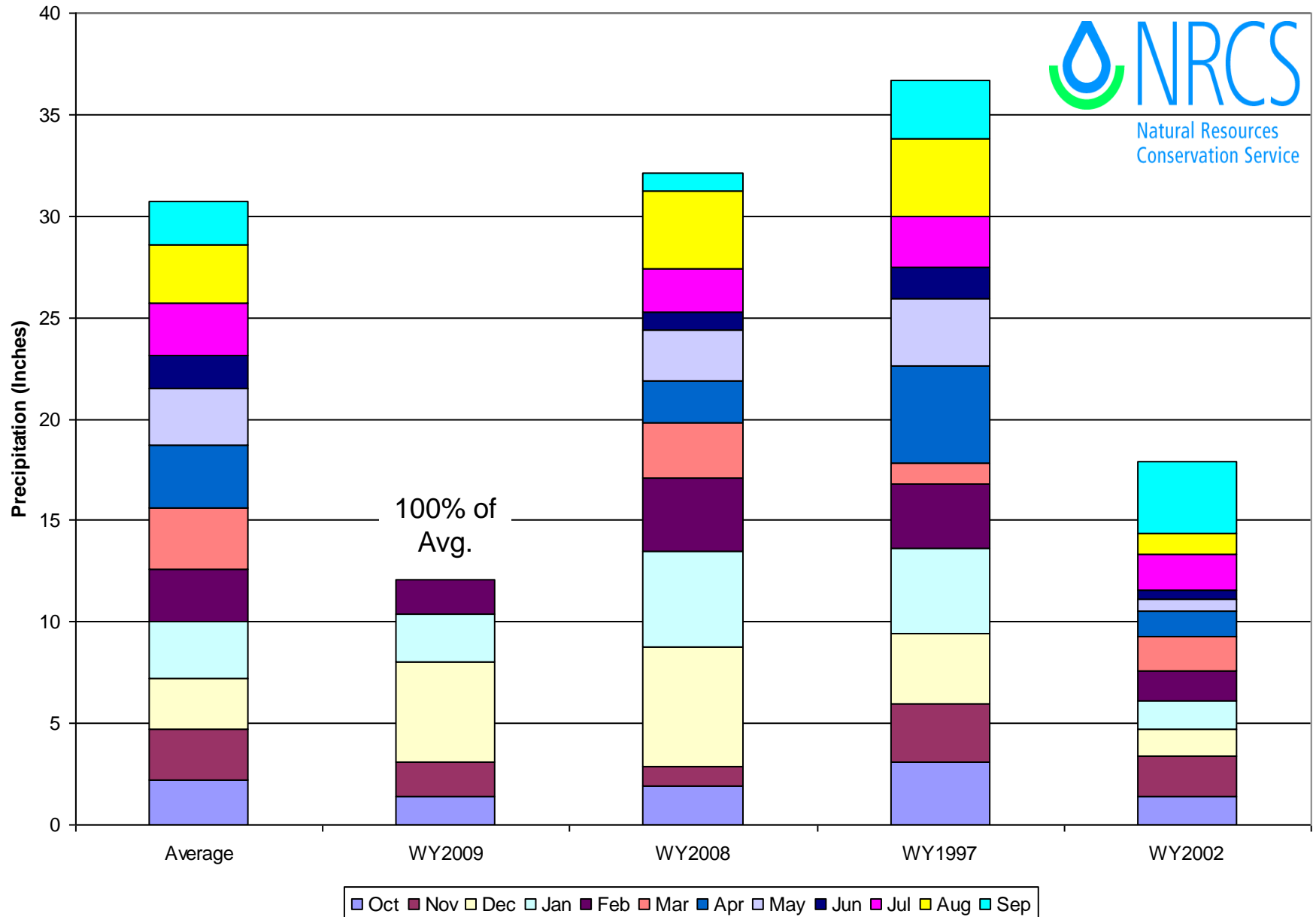
Arkansas River Basin with Non-Exceedence Projections

Based on Provisional SNOTEL Data as of Feb 25, 2009



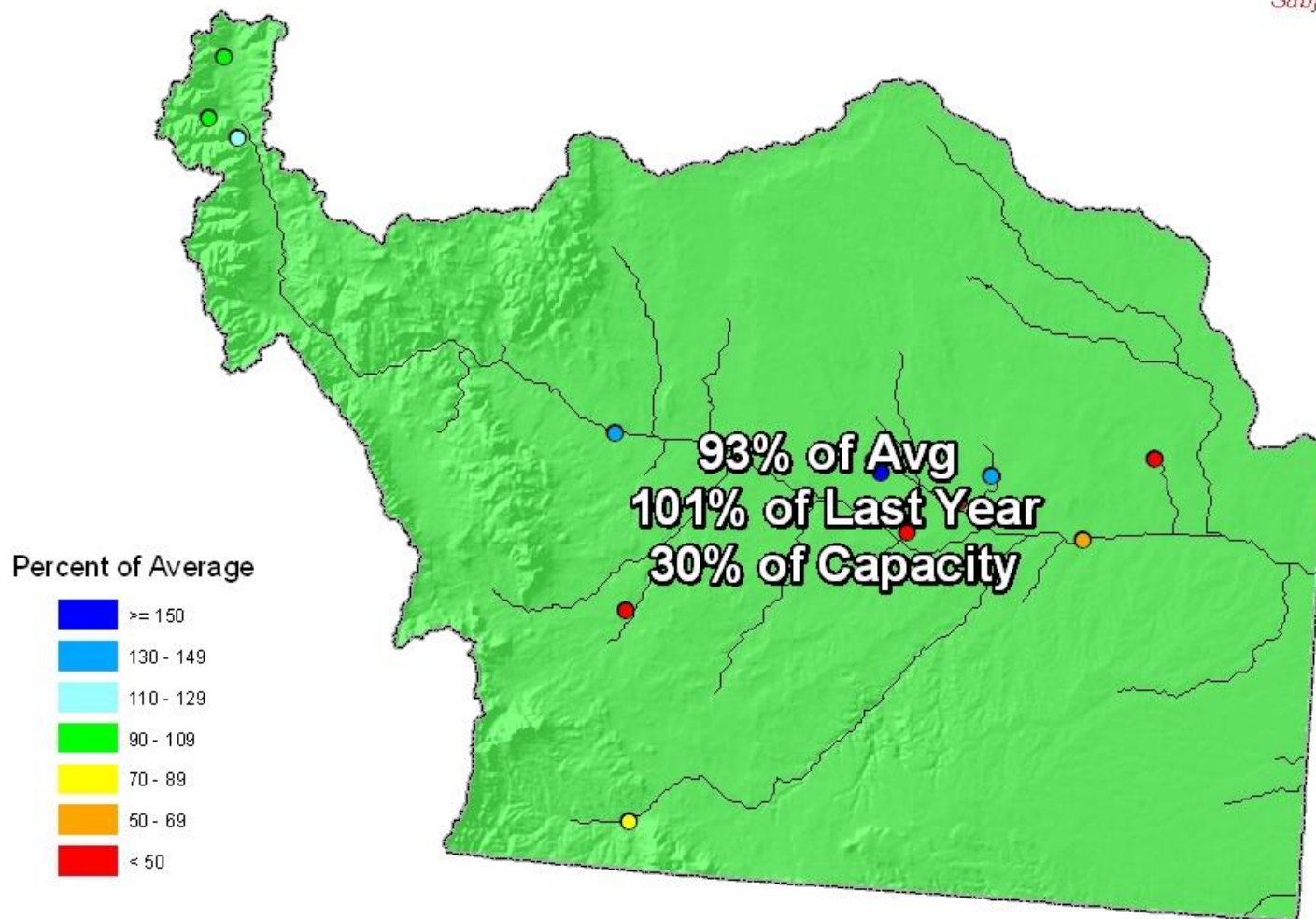
Arkansas River Basin High/Low Monthly Precipitation Summary

Based on Provisional SNOTEL data as of Feb 25, 2009



Arkansas River Basin Reservoir Storage Map

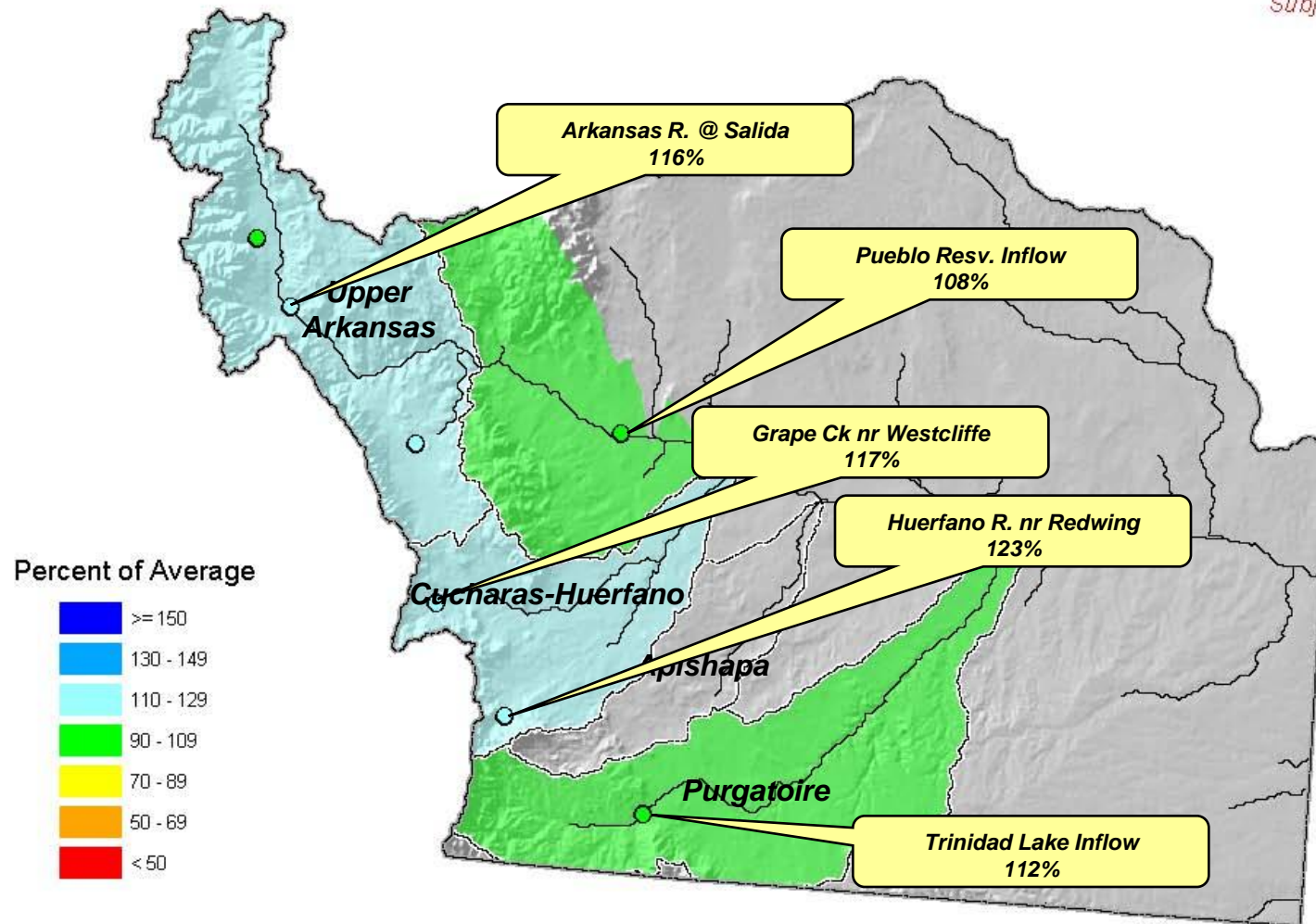
*Provisional Data
Subject to Revision*



End of January 2009

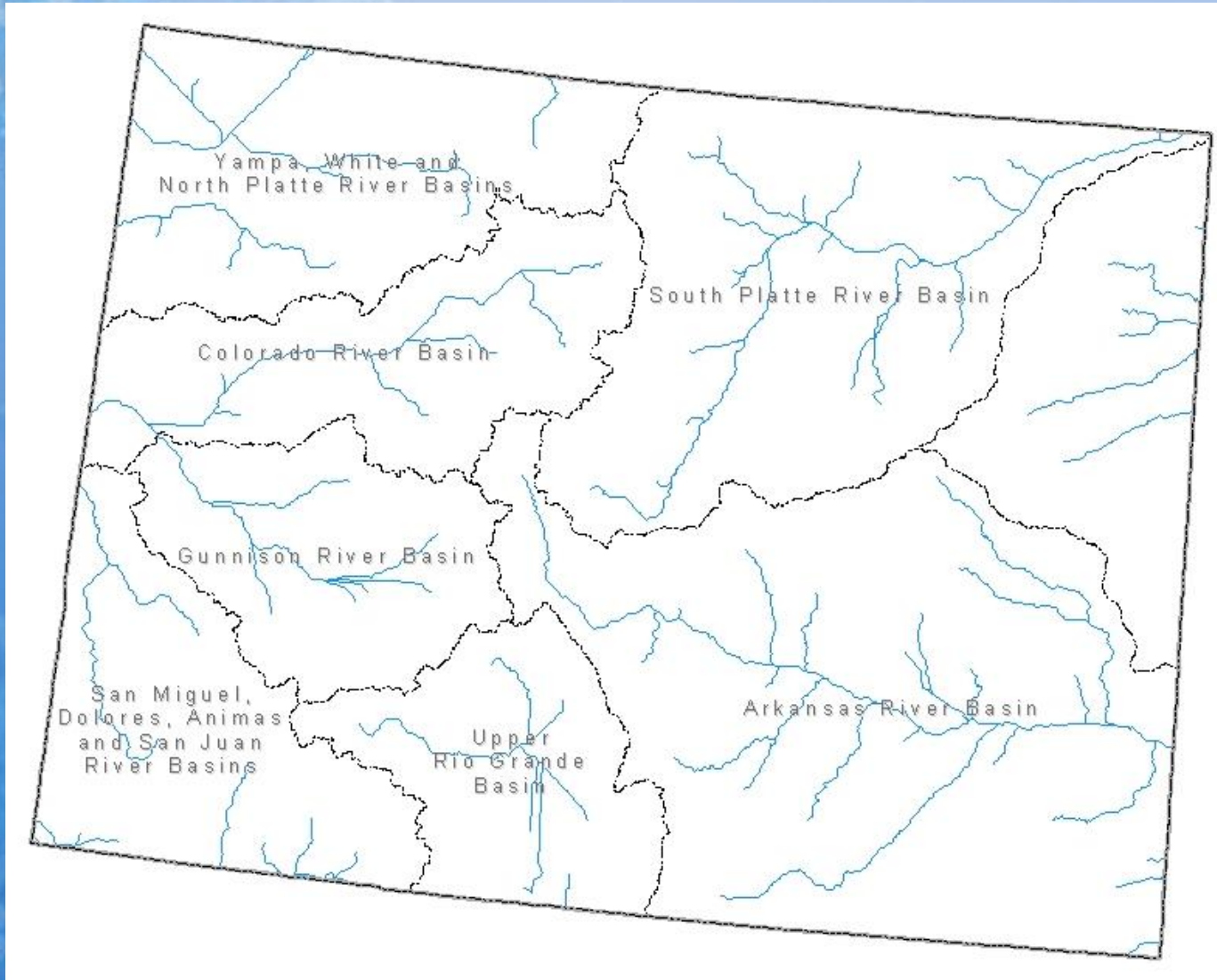
Arkansas River Basin Streamflow Forecast Map

*Provisional Data
Subject to Revision*



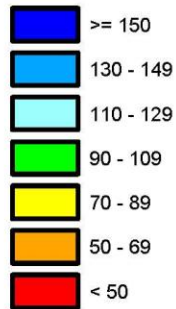
Current as of February 1, 2009

Colorado Statewide Summary

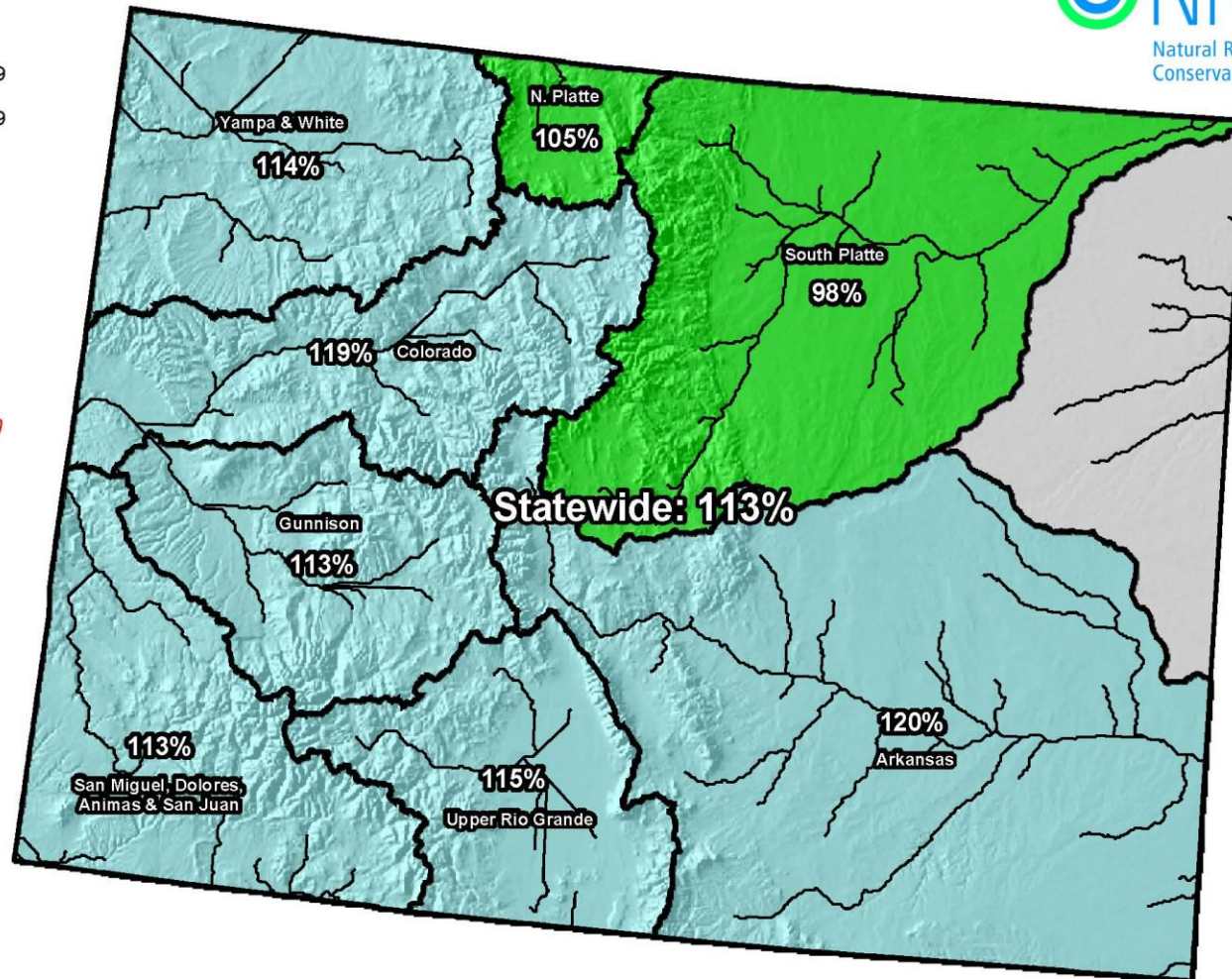


Colorado SNOTEL Snowpack Update Map

Percent of Average



*Provisional Data
Subject to Revision*

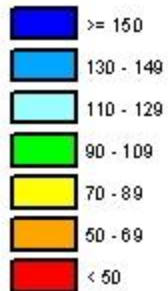


Current as of Feb 25, 2009

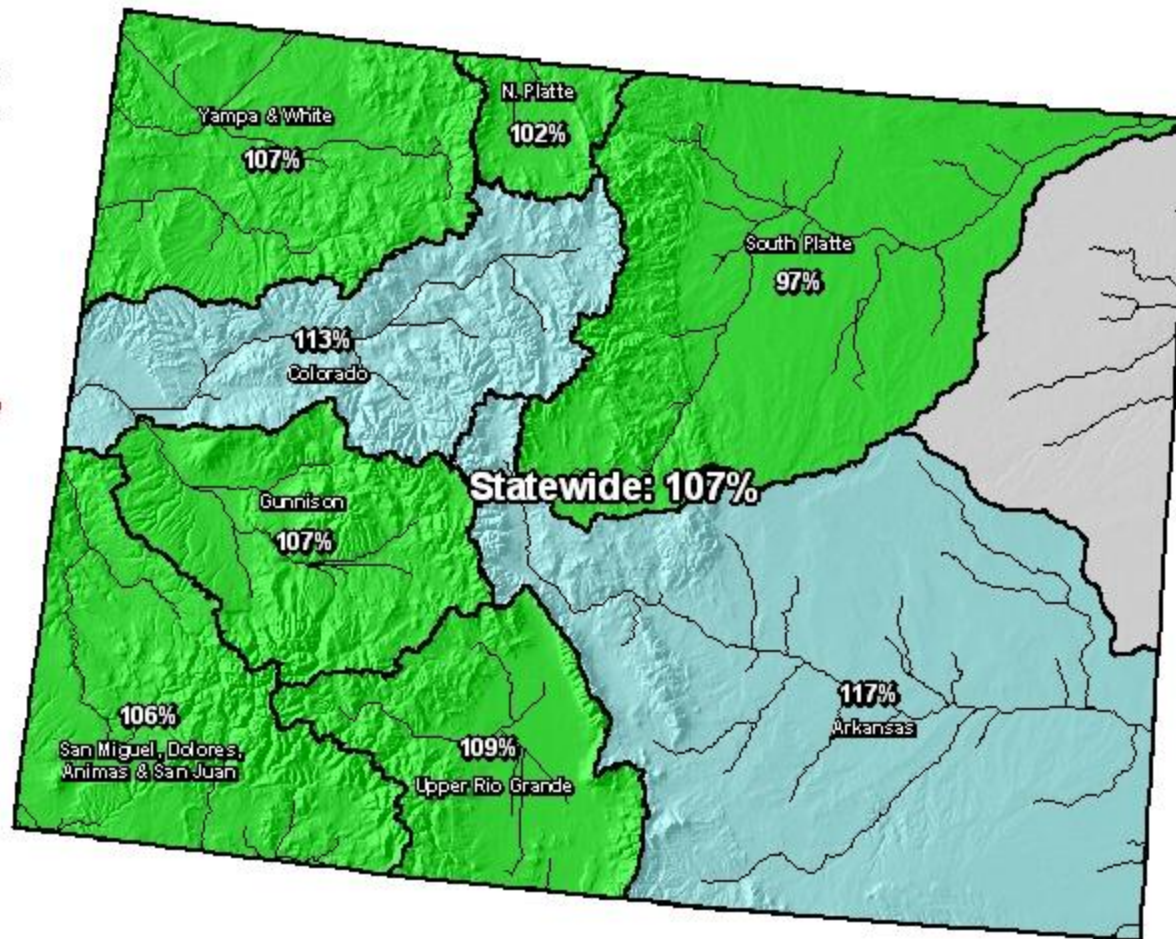
*Data may not provide a valid measure of conditions

Colorado SNOTEL April 1 Snowpack Projection Map*

Percent of Average



*Provisional Data
Subject to Revision*



Current as of Feb 25, 2009

*Based on 50% Non-Exceedence Projections

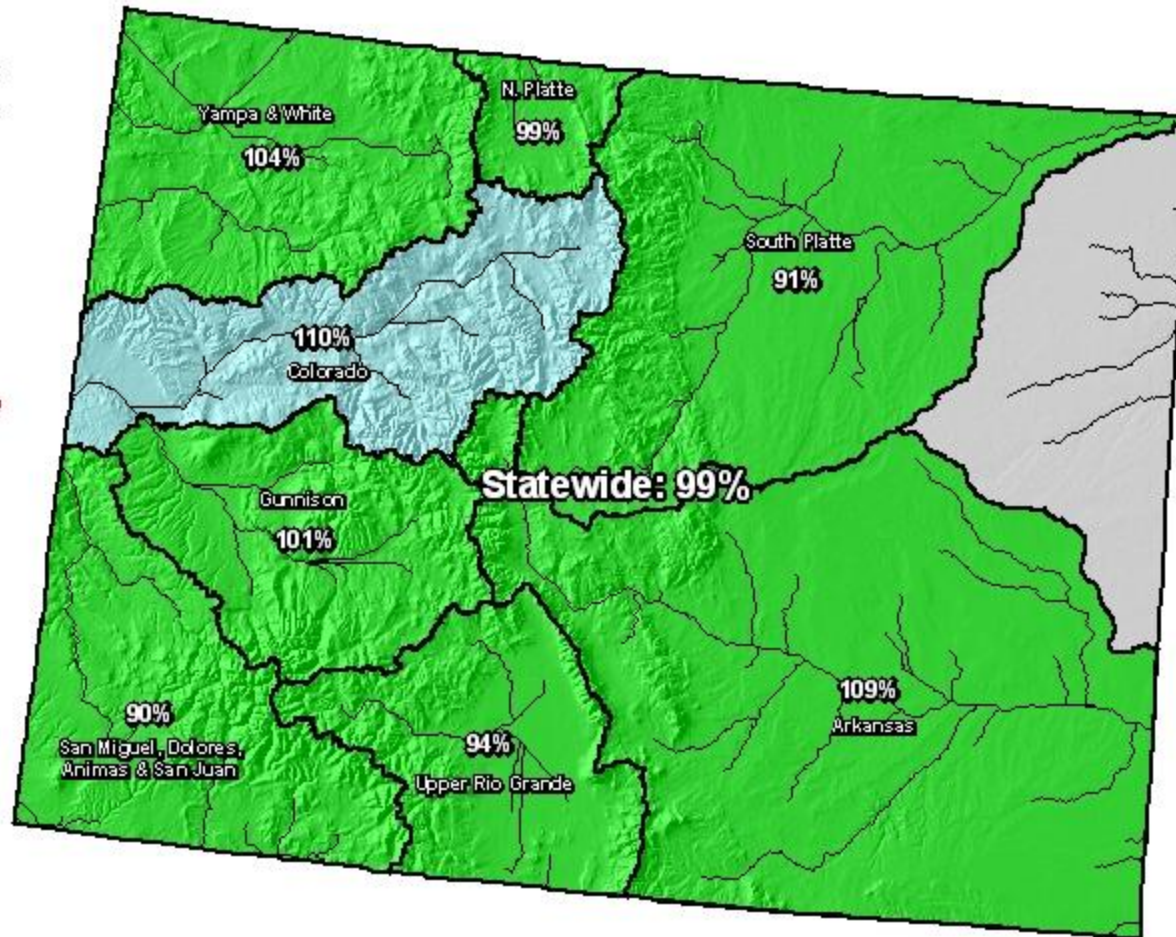
Future precipitation = Median

Colorado SNOTEL April 1 Snowpack Projection Map*

Percent of Average



*Provisional Data
Subject to Revision*



Current as of Feb 25, 2009

*Based on 30% Non-Exceedence Projections

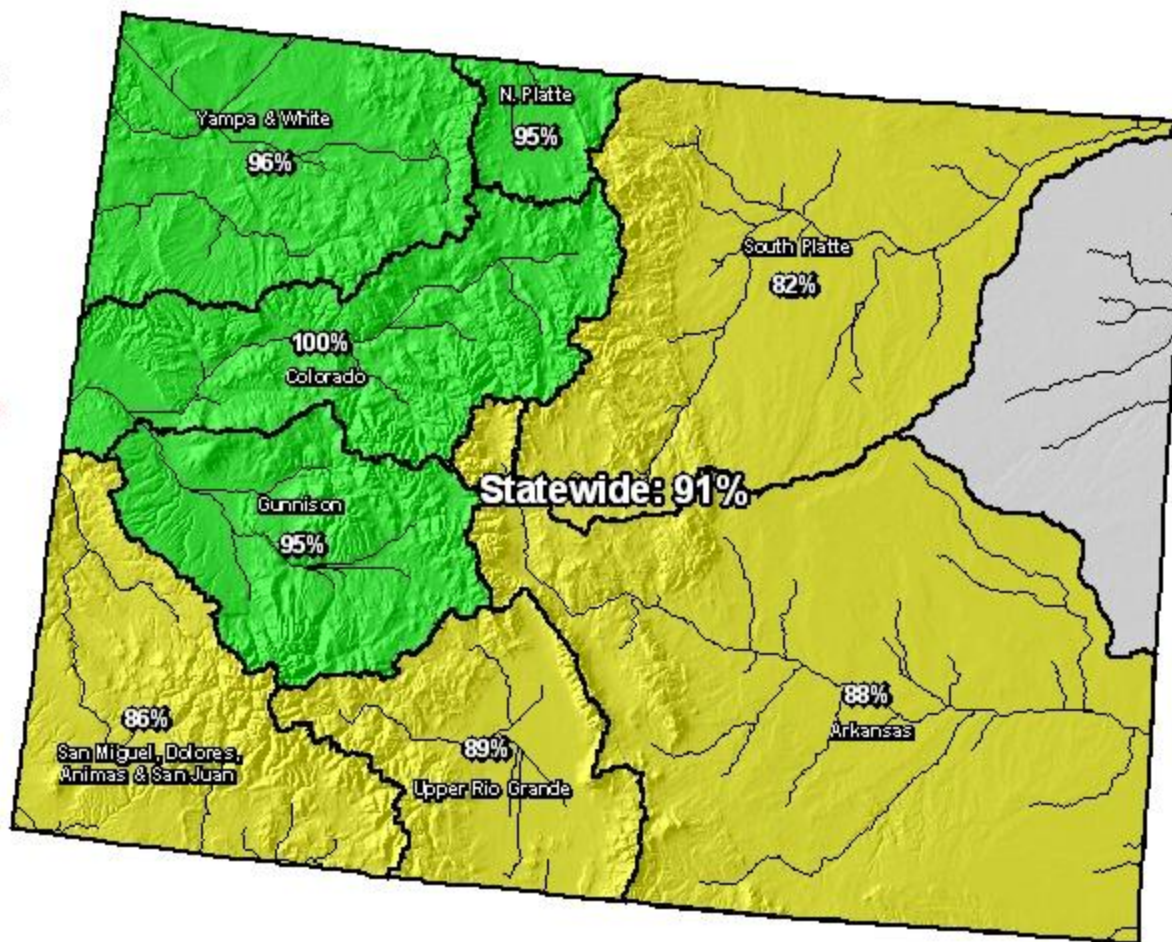
Future precipitation = Dryer 30% of the time

Colorado SNOTEL April 1 Snowpack Projection Map*

Percent of Average



*Provisional Data
Subject to Revision*



Current as of Feb 25, 2009

*Based on 10% Non-Exceedence Projections

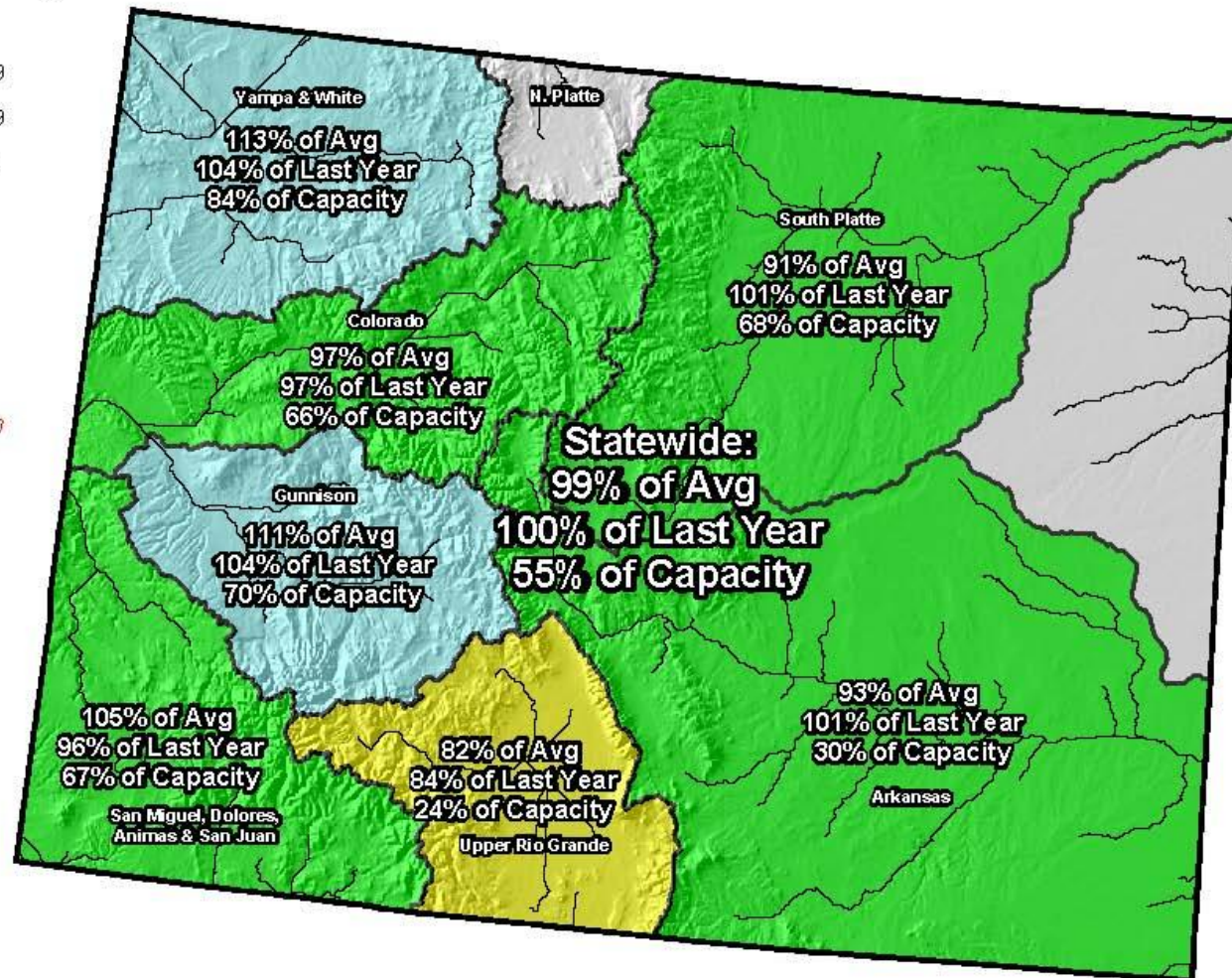
Future precipitation = Dryer 10% of the time

Colorado Reservoir Storage Map

Percent of Average



*Provisional Data
Subject to Revision*



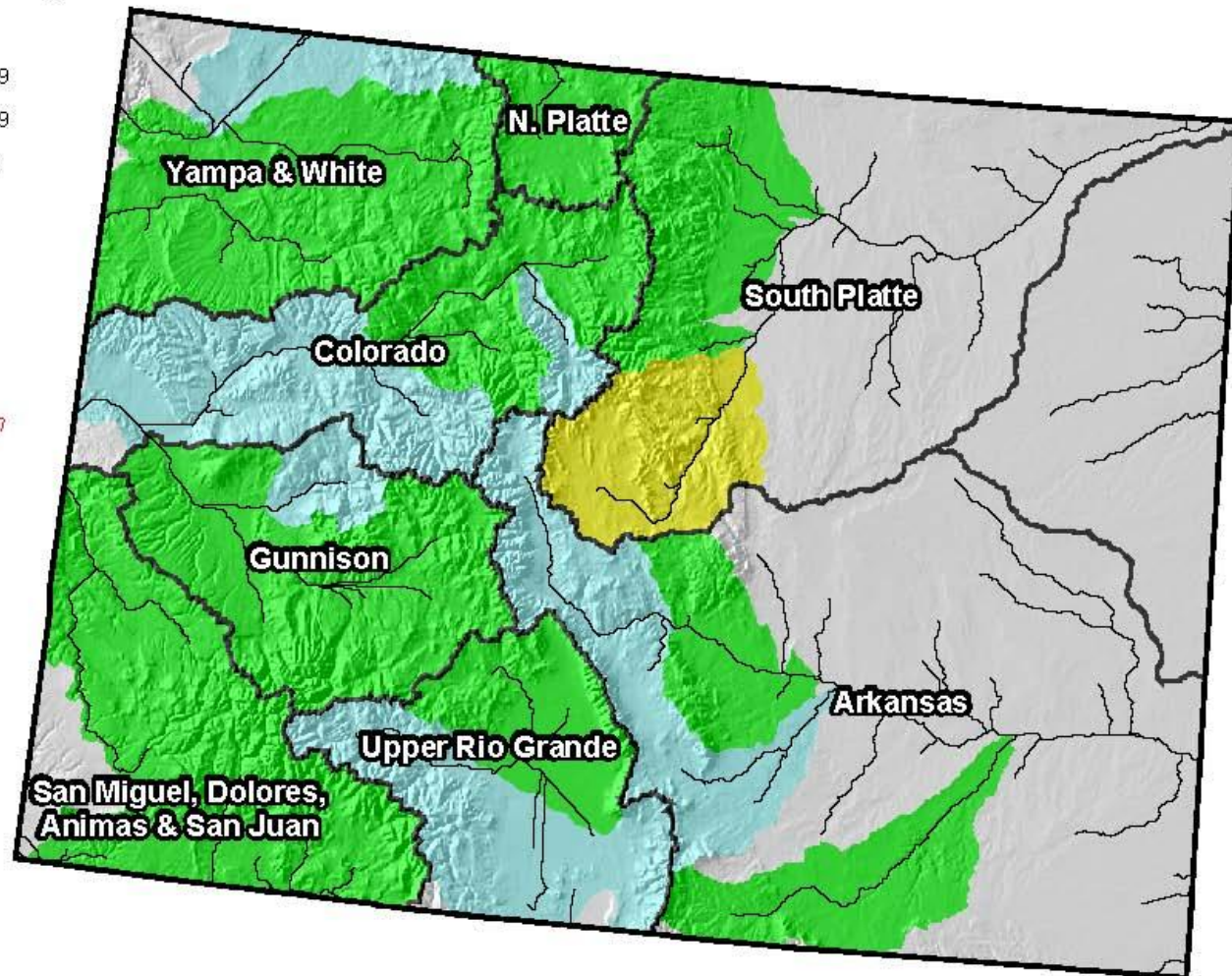
End of January 2009

Colorado Streamflow Forecast Map

Percent of Average



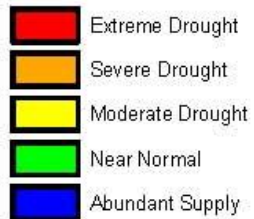
*Provisional Data
Subject to Revision*



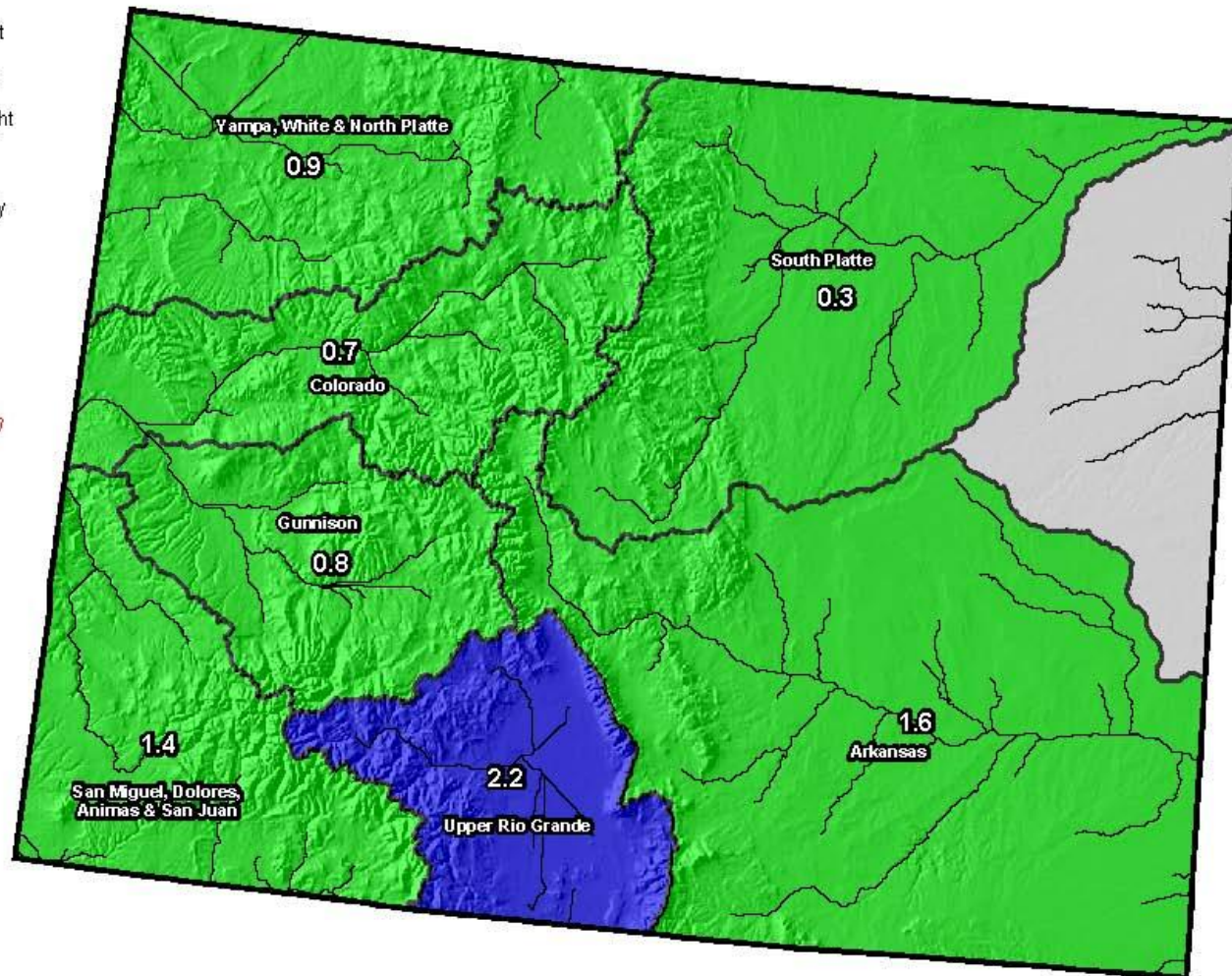
Current as of February 1, 2009

Colorado Surface Water Supply Index (SWSI) Map

Legend



*Provisional Data
Subject to Revision*



Current as of February 1, 2009