

NRCS – Snow Survey & Water Supply Forecasting

Water Availability Task Force Meeting August 15th, 2012

Brian Domonkos

Acting Snow Survey Supervisor

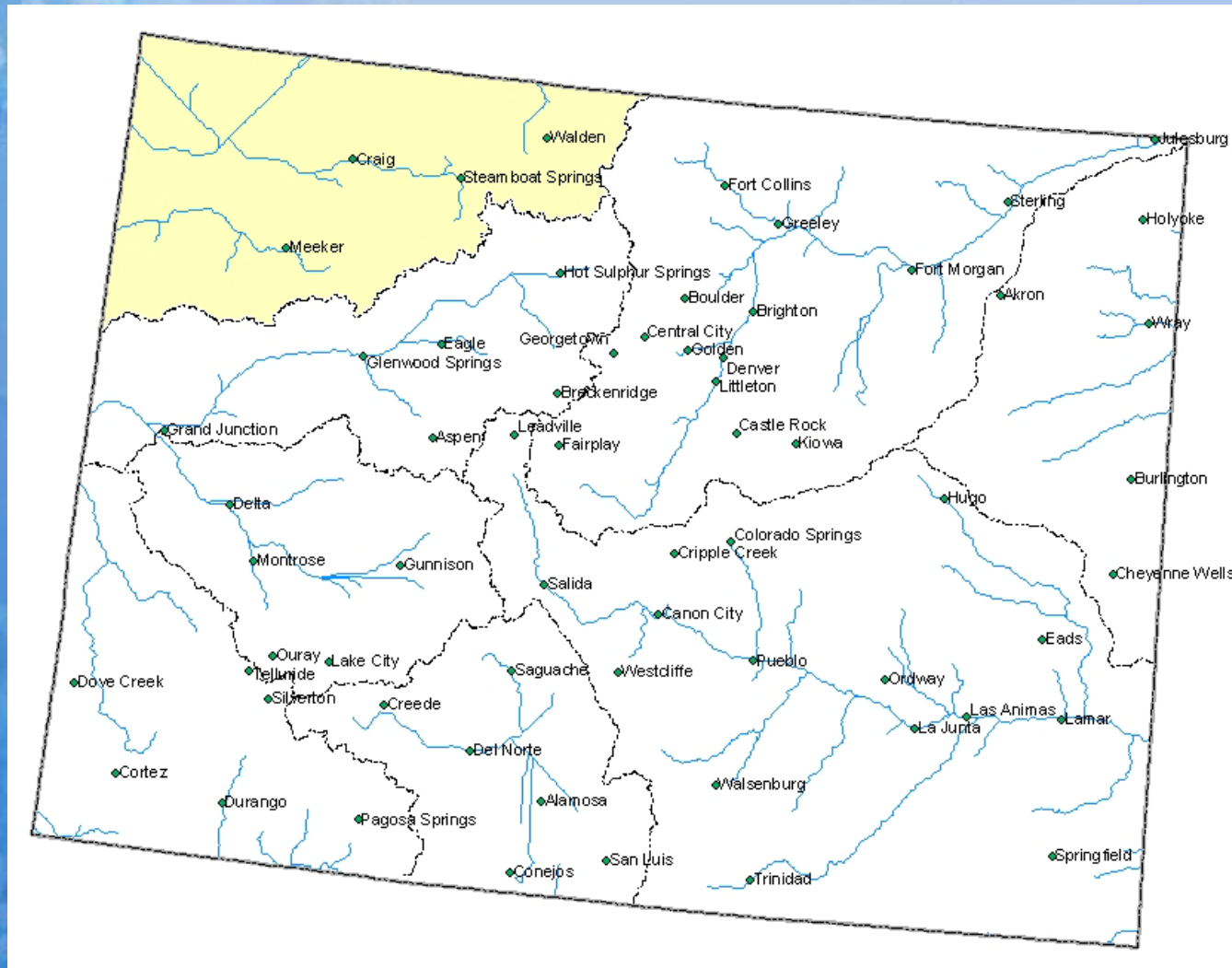
Brian.Domonkos@mt.usda.gov

(720) 544-2852

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

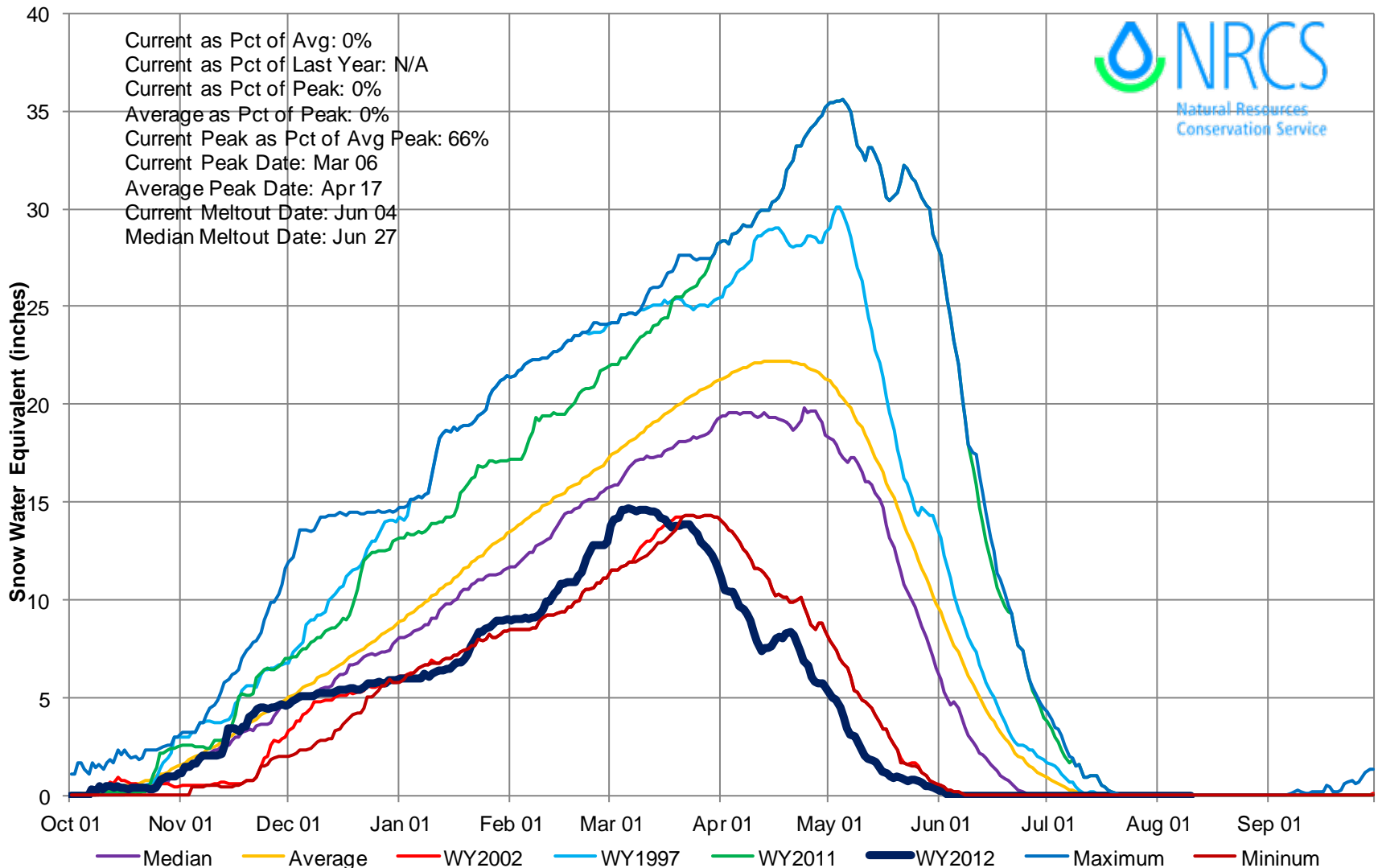
Acting until Oct. 1st, 2012

Yampa, White & North Platte River Basins Summary



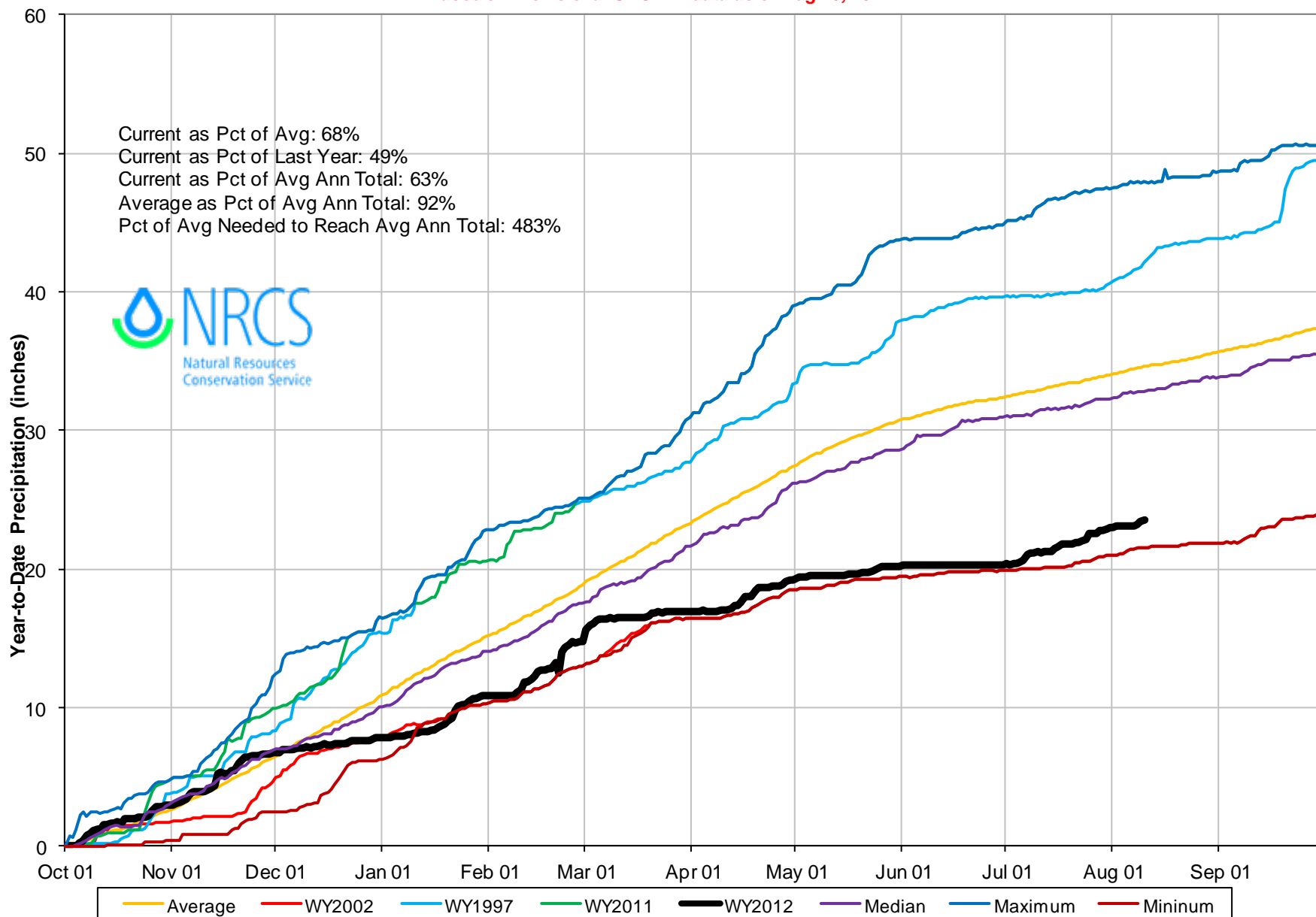
Yampa, White and North Platte River Basins High/Low Snowpack Summary

Based on Provisional SNOTEL data as of Aug 10, 2012



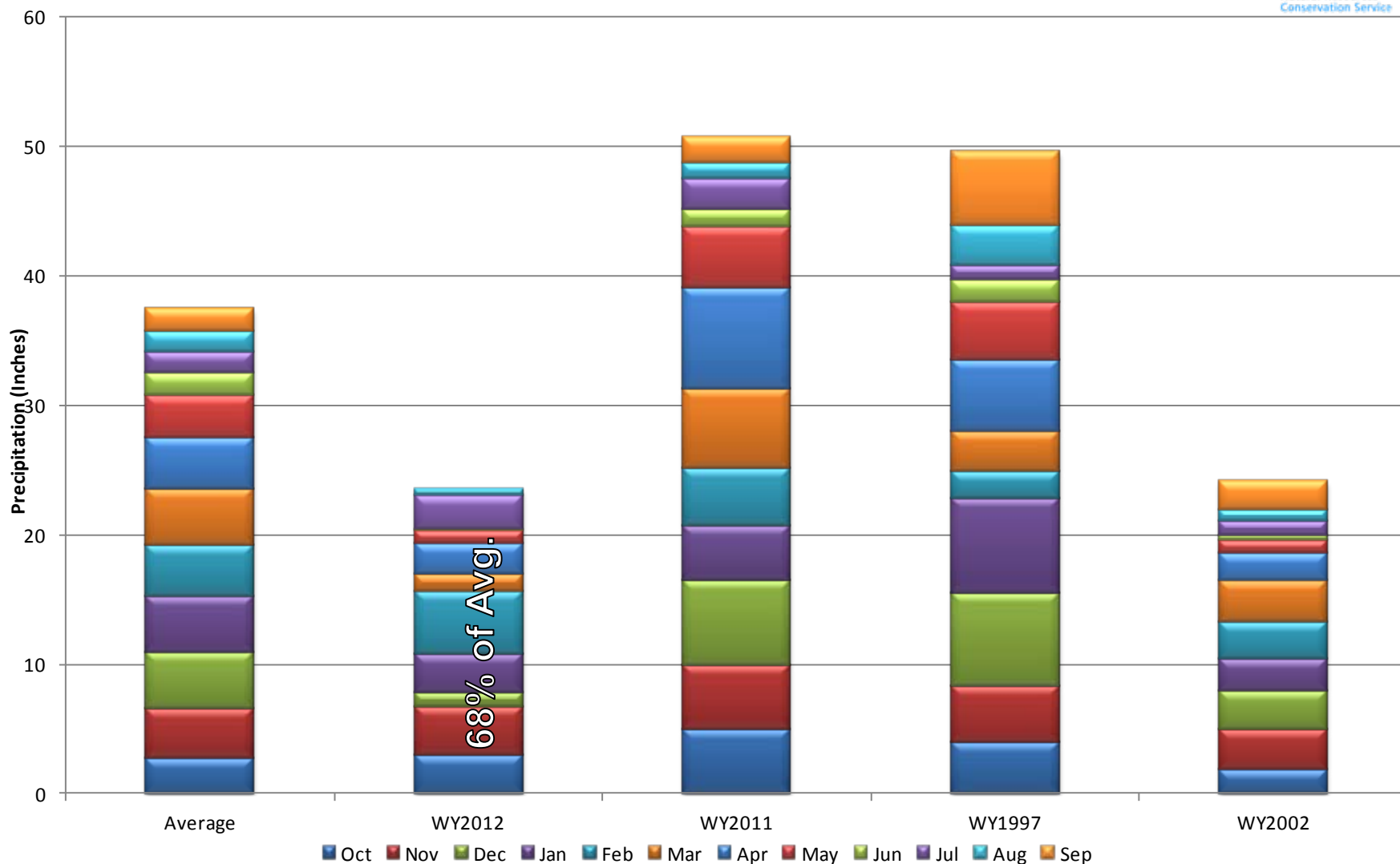
Yampa and White River Basins High/Low Year-to-Date Precipitation Summary

Based on Provisional SNOTEL data as of Aug 10, 2012



Yampa and White River Basins High/Low Monthly Precipitation Summary

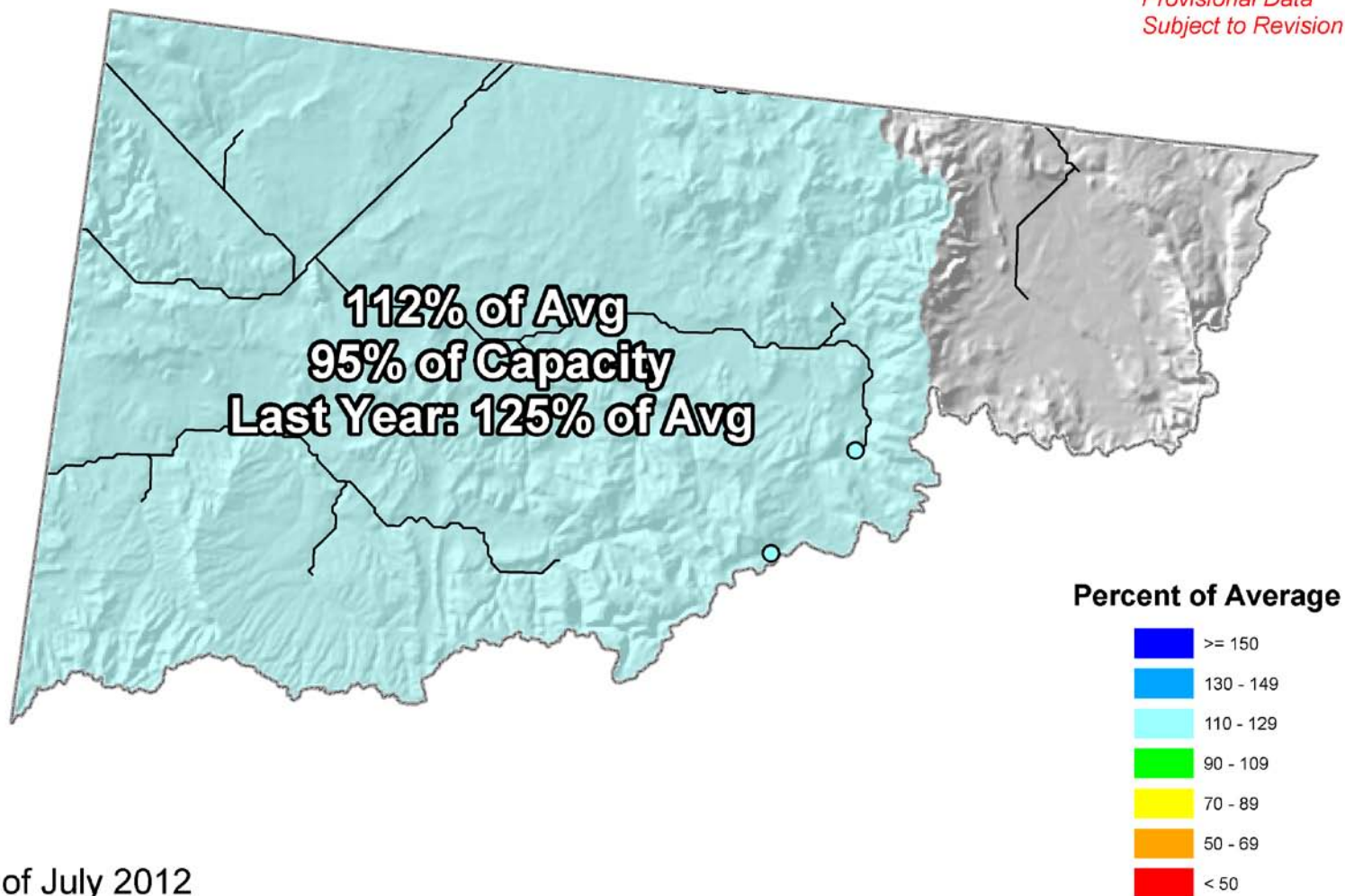
Based on Provisional SNOTEL data as of Aug 10, 2012



Yampa & White River Basins Reservoir Storage Map

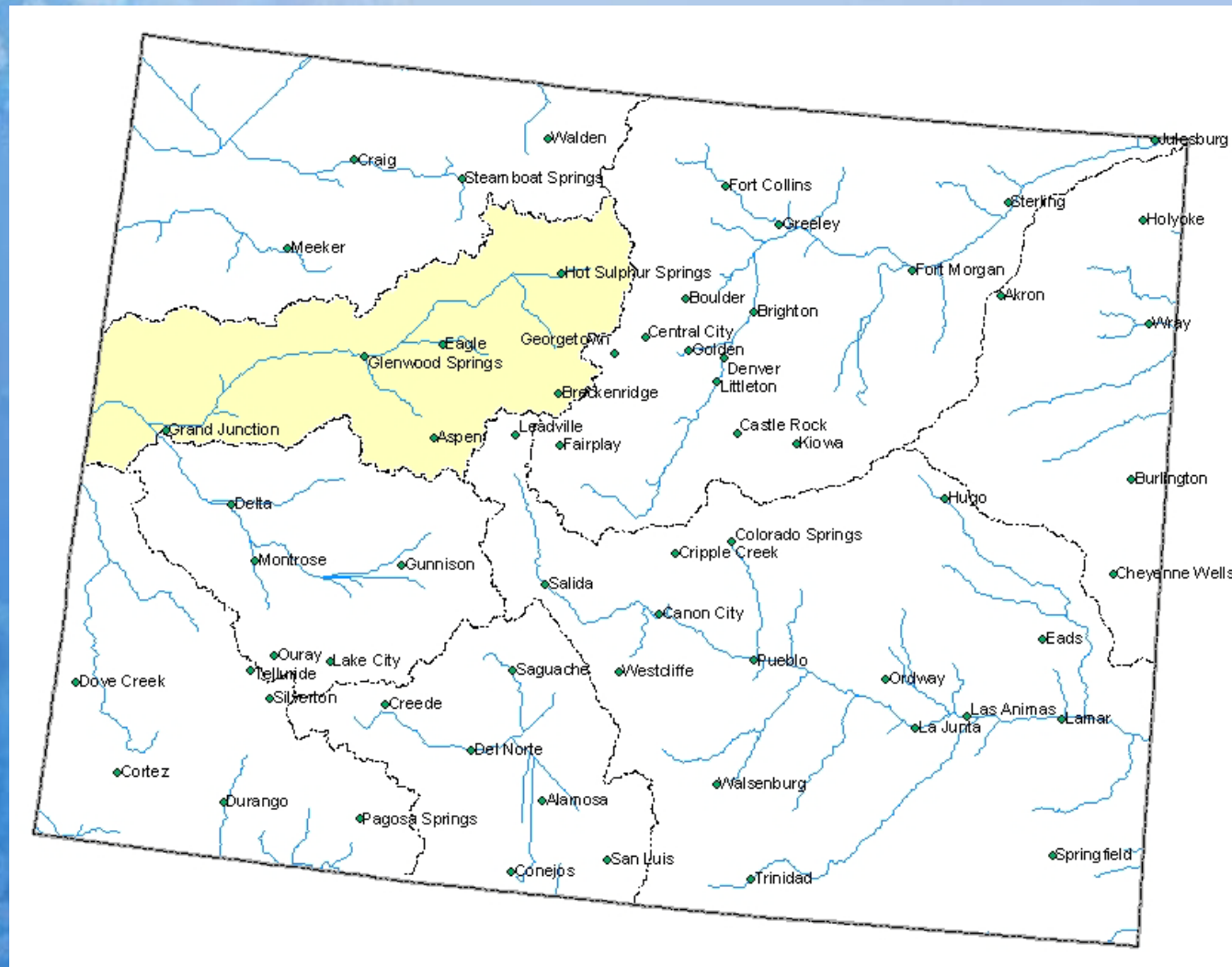


*Provisional Data
Subject to Revision*



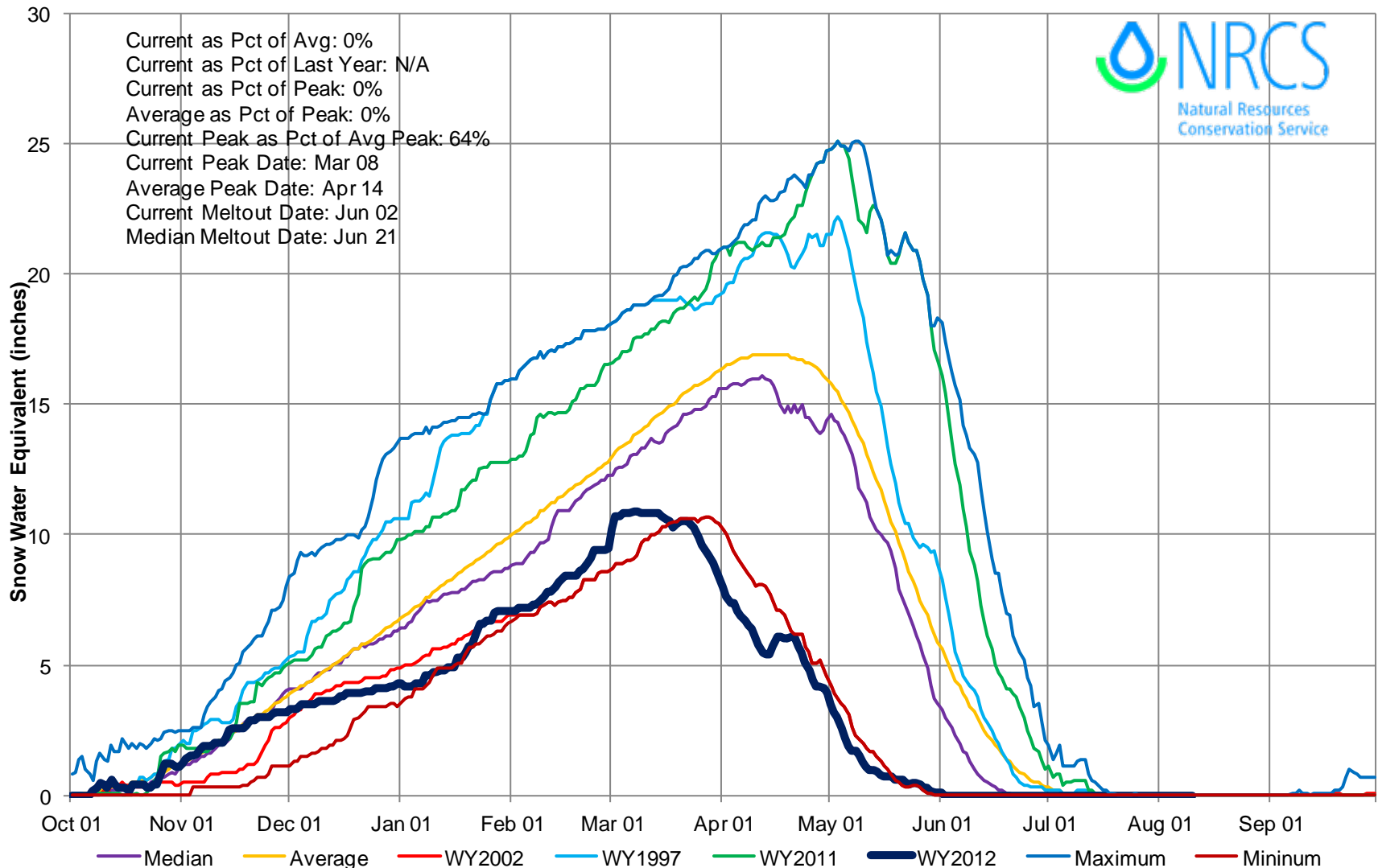
End of July 2012

Colorado River Basin Summary



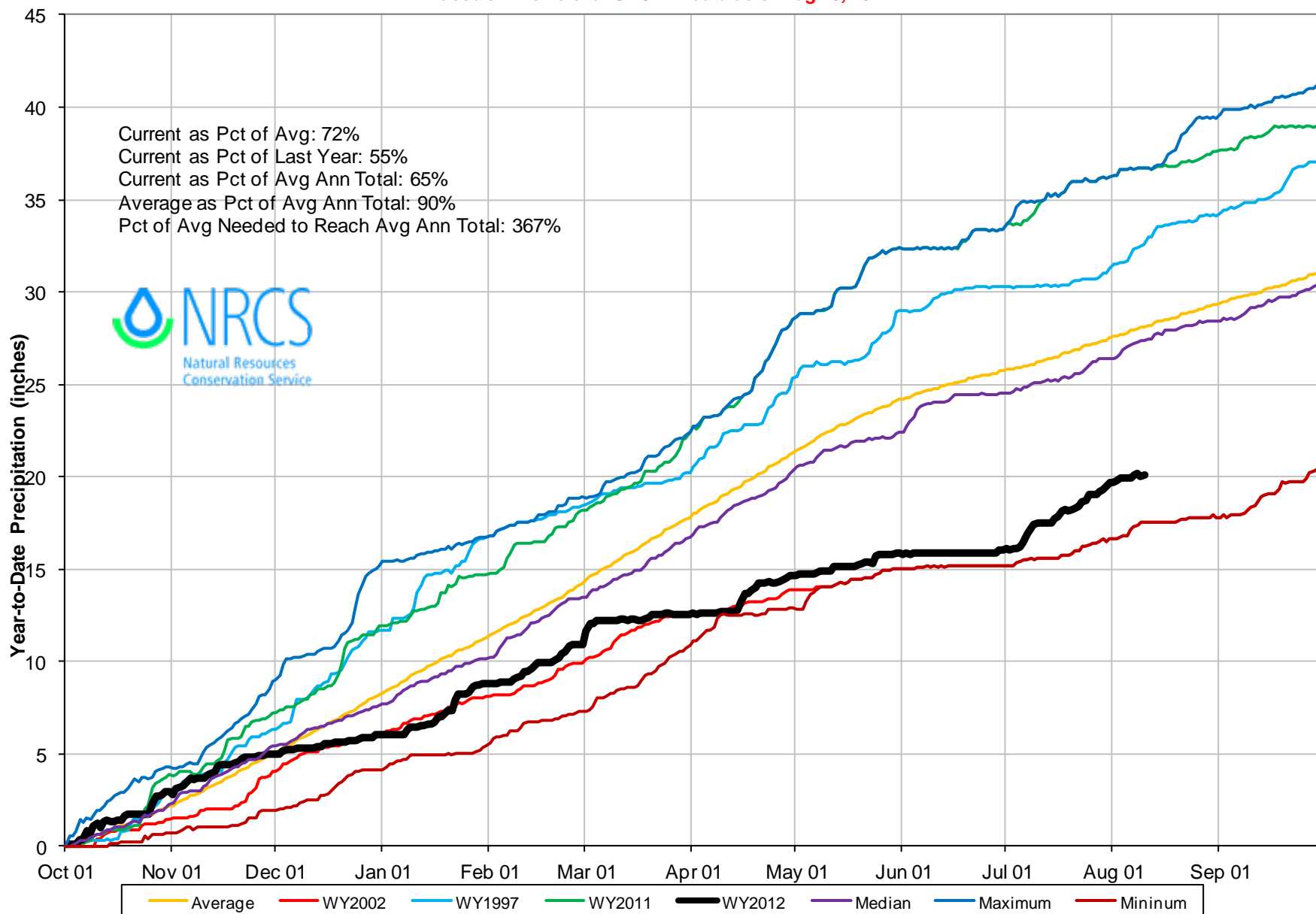
Upper Colorado River Basin High/Low Snowpack Summary

Based on Provisional SNOTEL data as of Aug 10, 2012



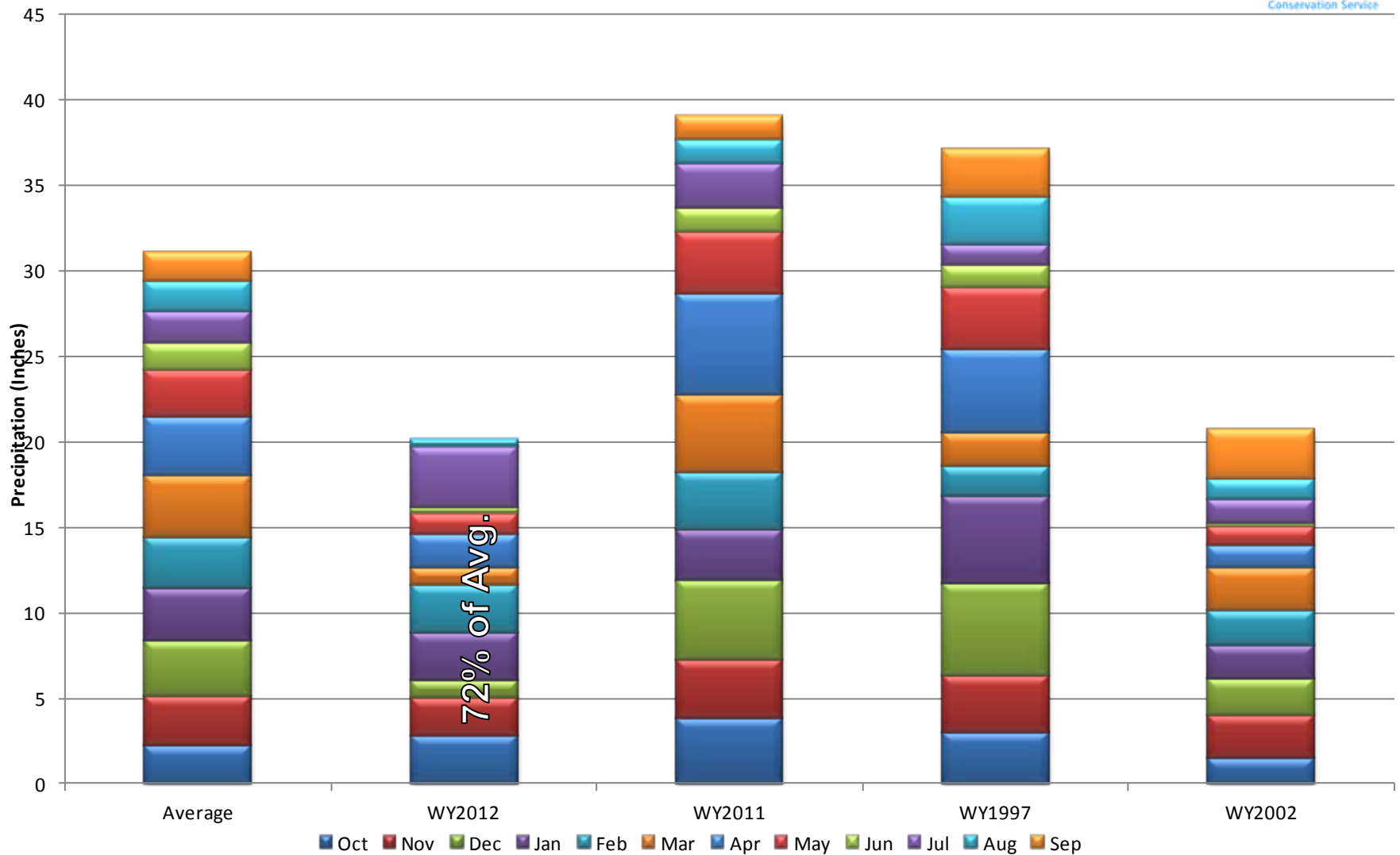
Upper Colorado River Basin High/Low Year-to-Date Precipitation Summary

Based on Provisional SNOTEL data as of Aug 10, 2012



Upper Colorado River Basin High/Low Monthly Precipitation Summary

Based on Provisional SNOTEL data as of Aug 10, 2012



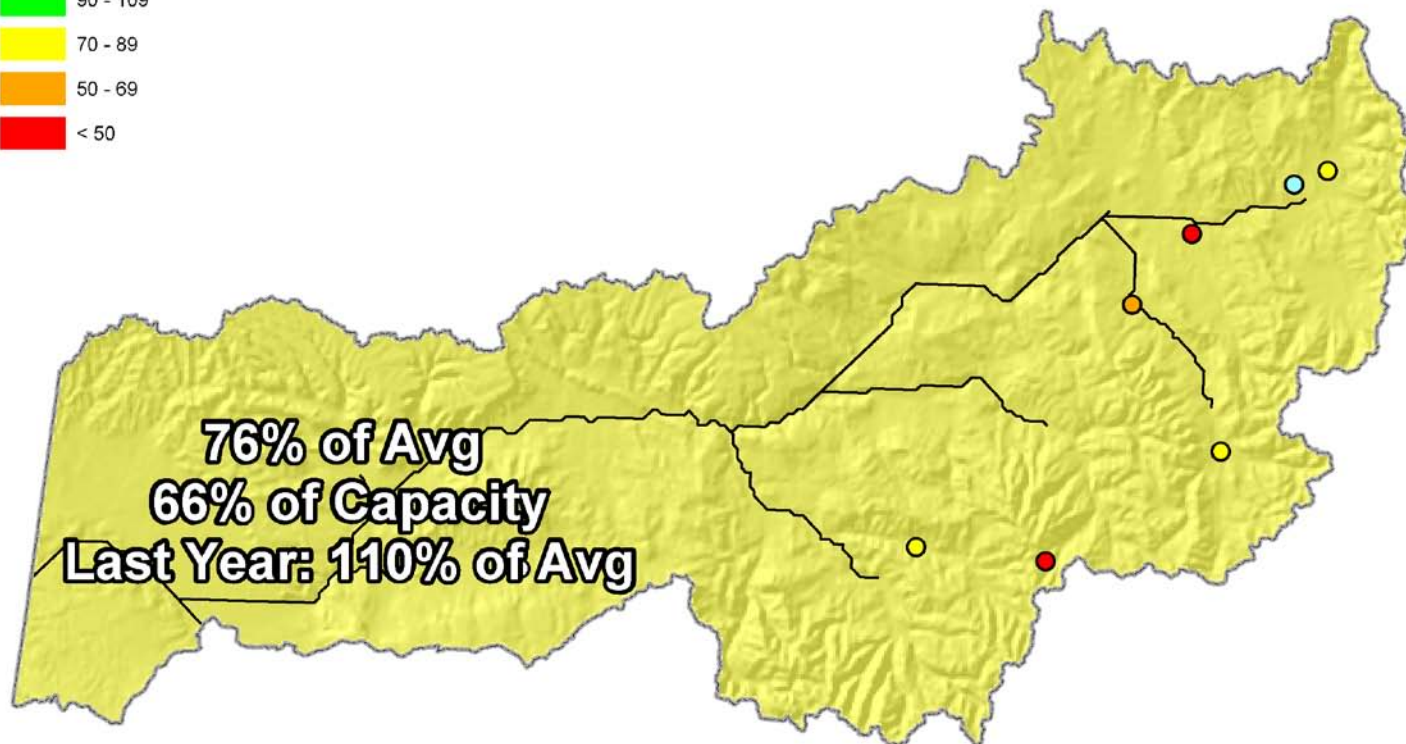
Colorado River Basin Reservoir Storage Map



Percent of Average

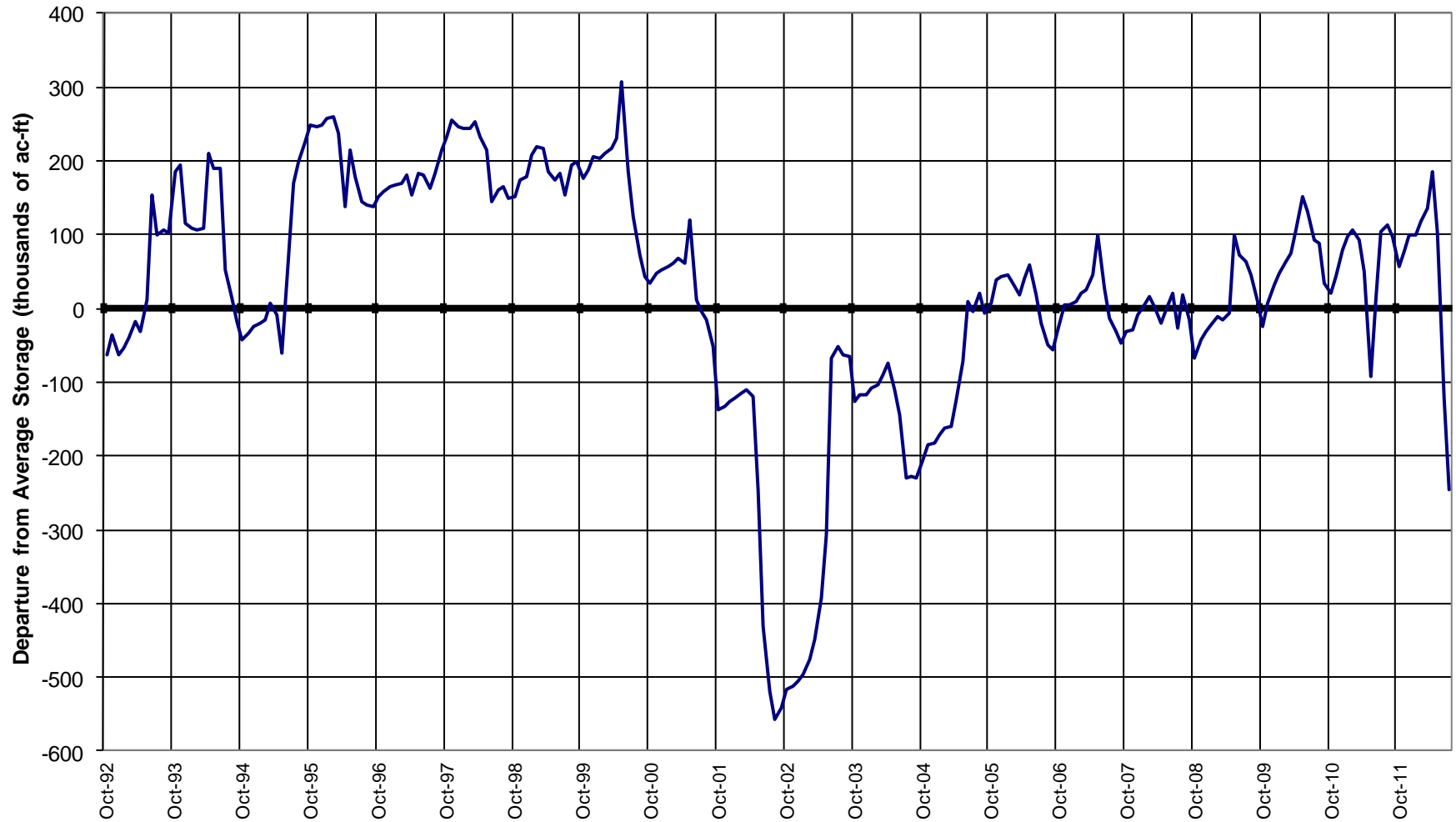


*Provisional Data
Subject to Revision*

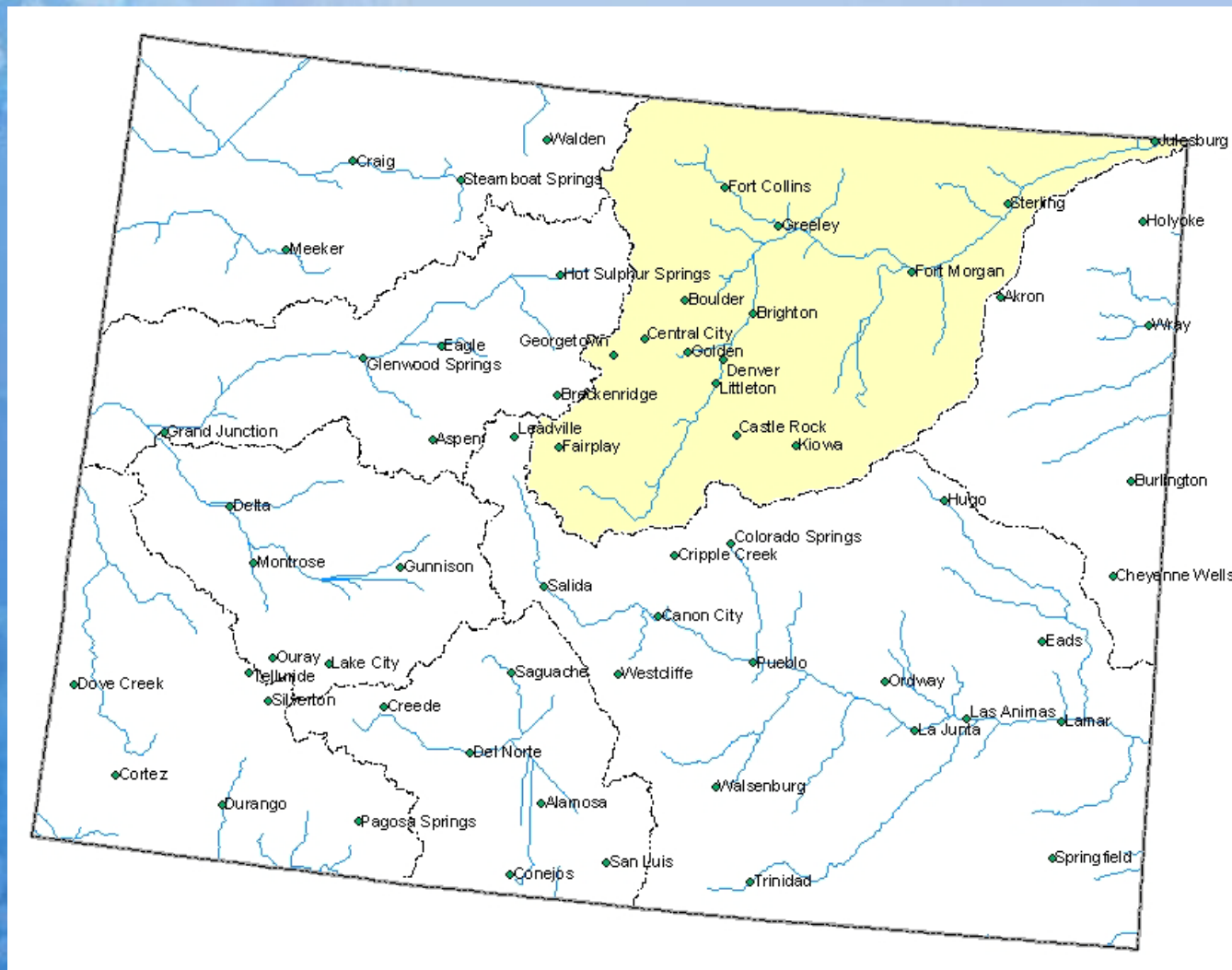


End of July 2012

COLORADO RIVER BASIN
Reservoir Storage
Departure from Average

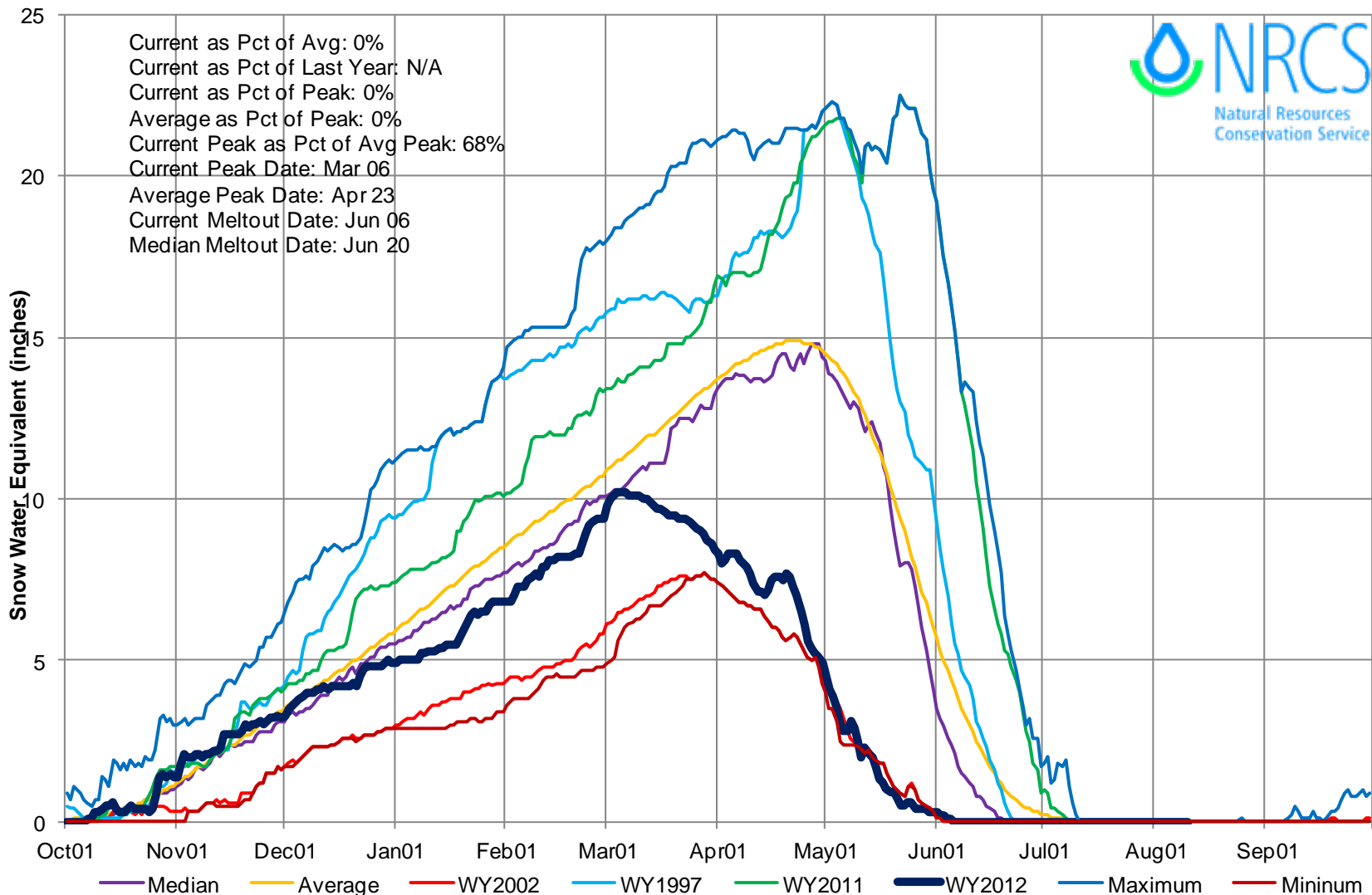


South Platte River Basin Summary



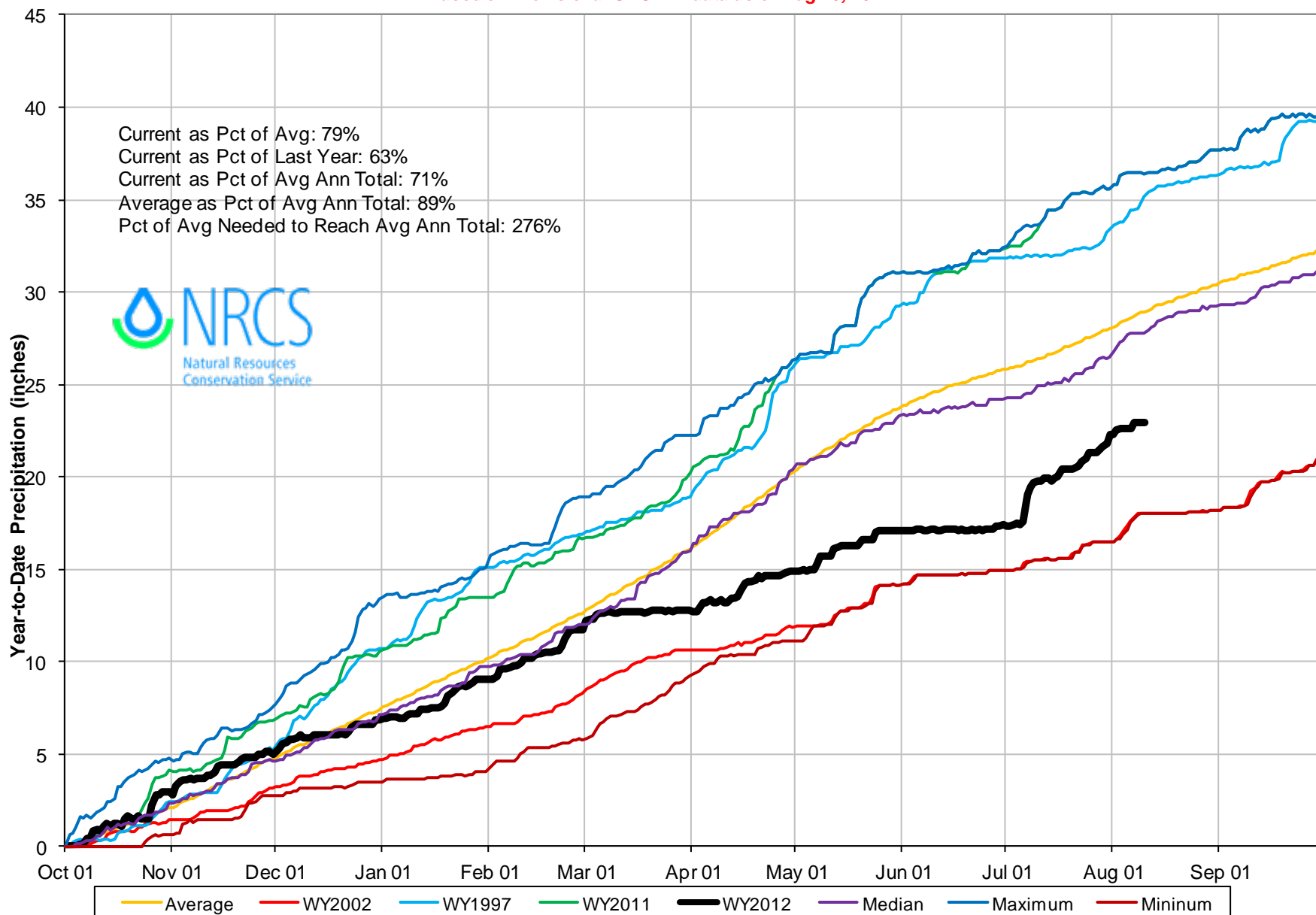
South Platte River Basin High/Low Snowpack Summary

Based on Provisional SNOTEL data as of Aug 10, 2012



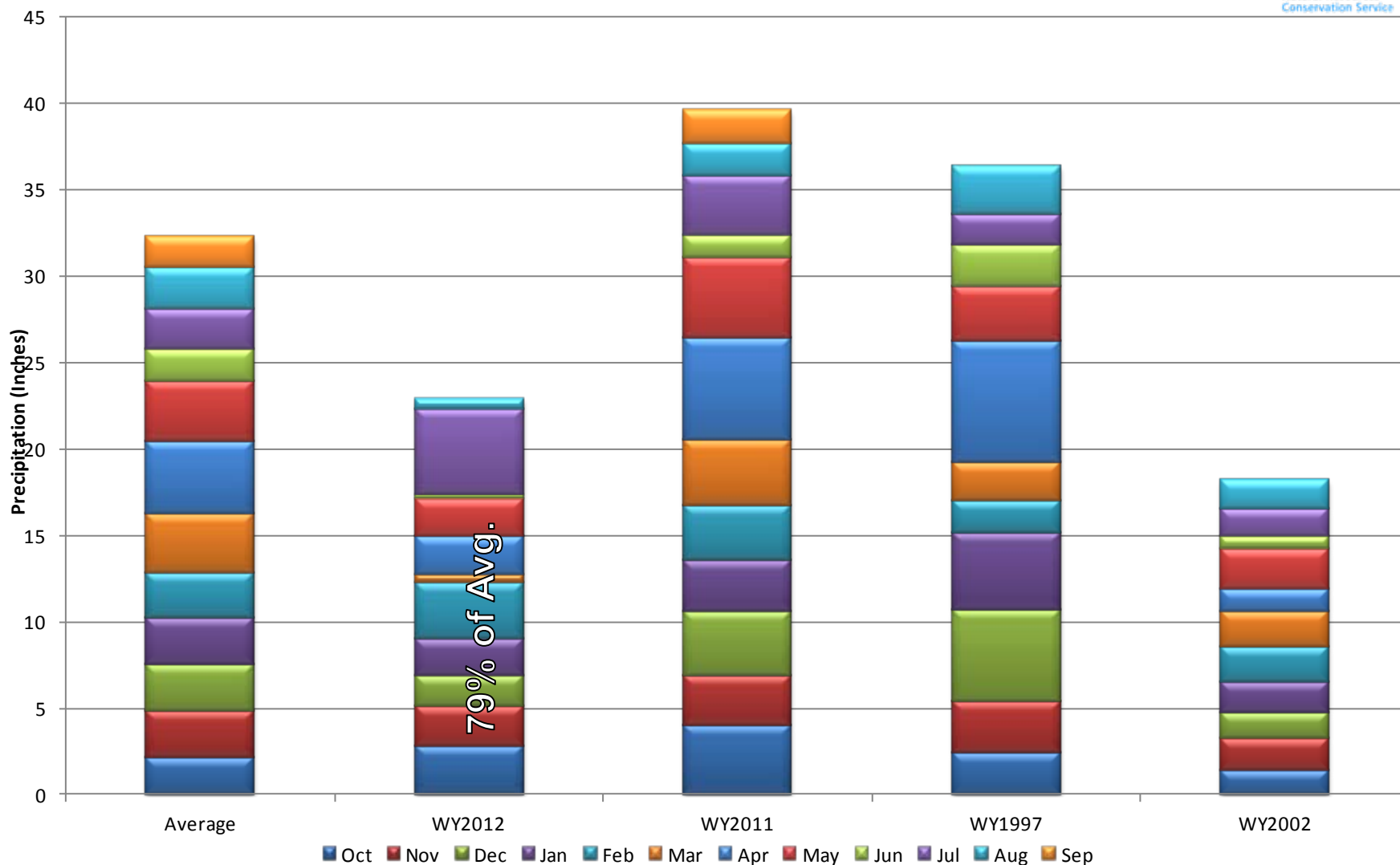
South Platte River Basin High/Low Year-to-Date Precipitation Summary

Based on Provisional SNOTEL data as of Aug 10, 2012



South Platte River Basin High/Low Monthly Precipitation Summary

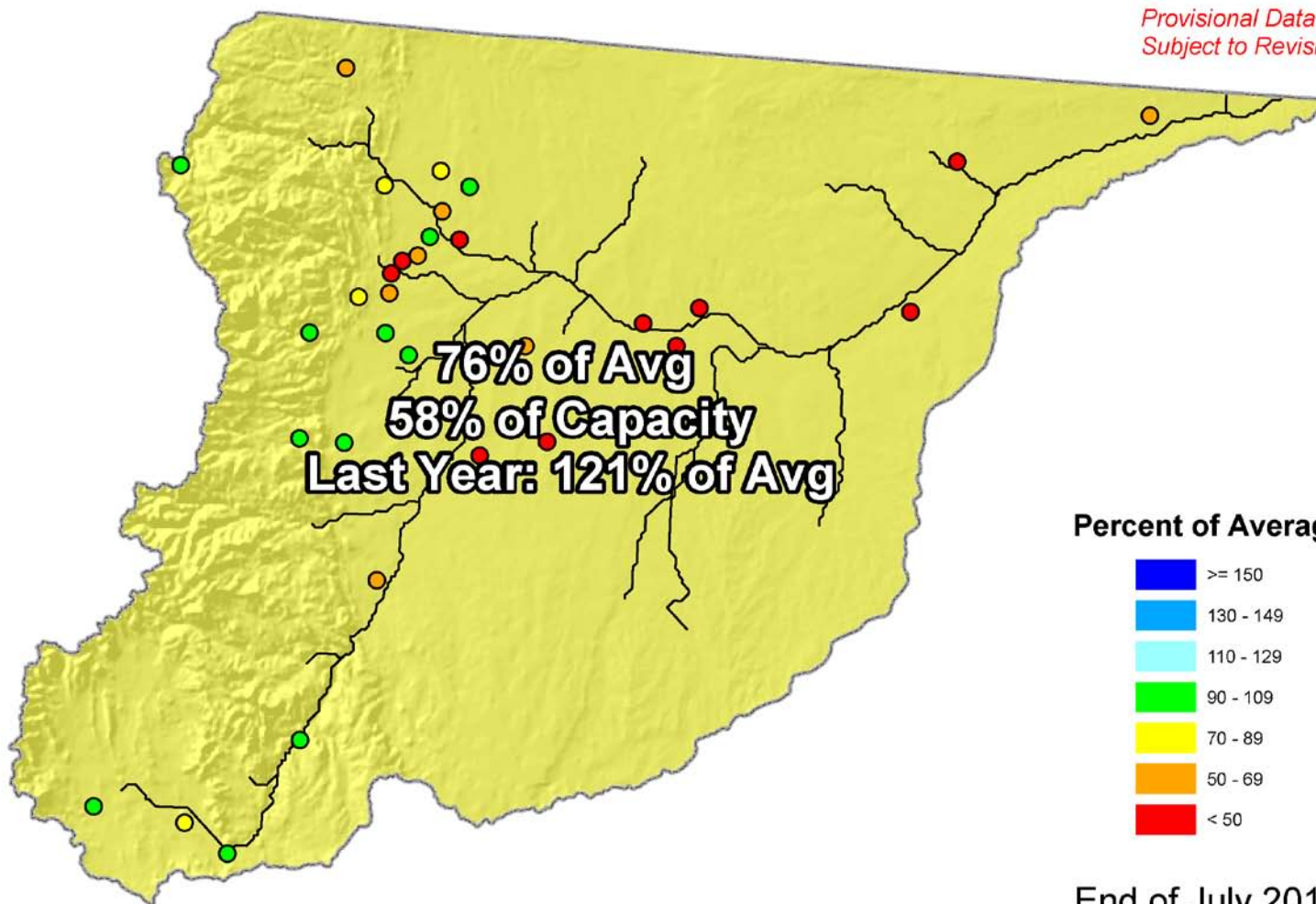
Based on Provisional SNOTEL data as of Aug 10, 2012



South Platte River Basin Reservoir Storage Map



*Provisional Data
Subject to Revision*

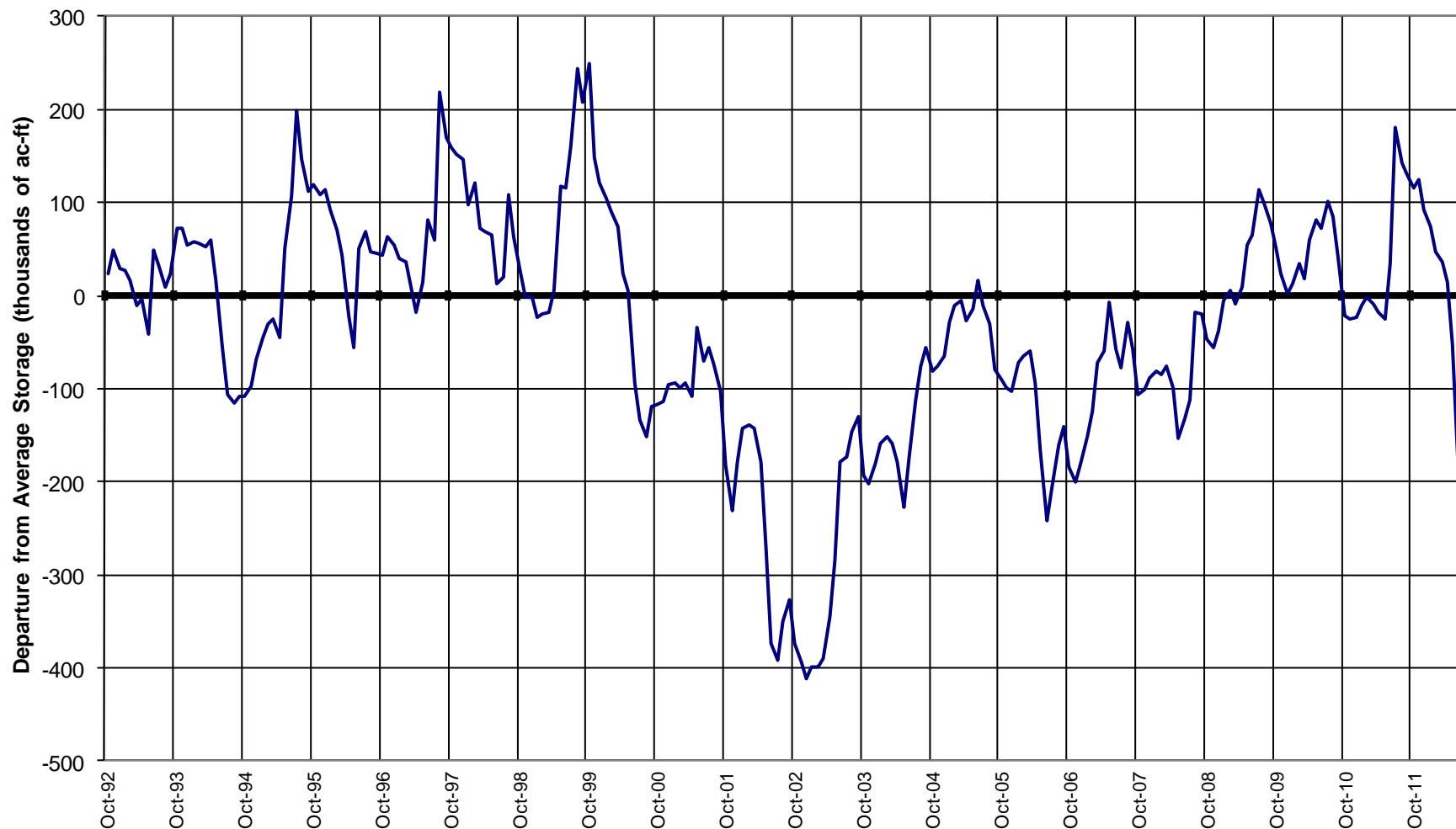


End of July 2012

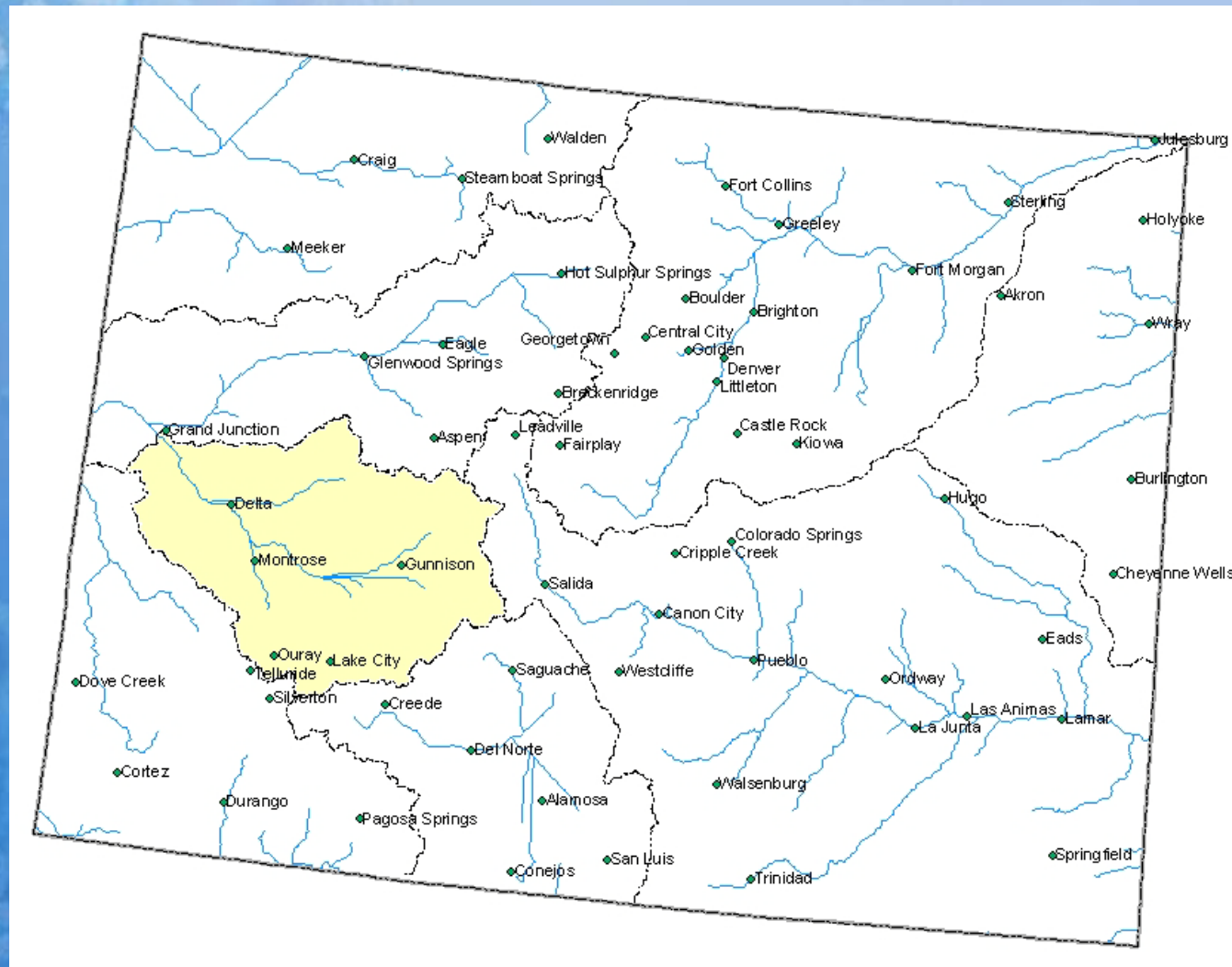
SOUTH PLATTE RIVER BASIN

Reservoir Storage

Departure from Average

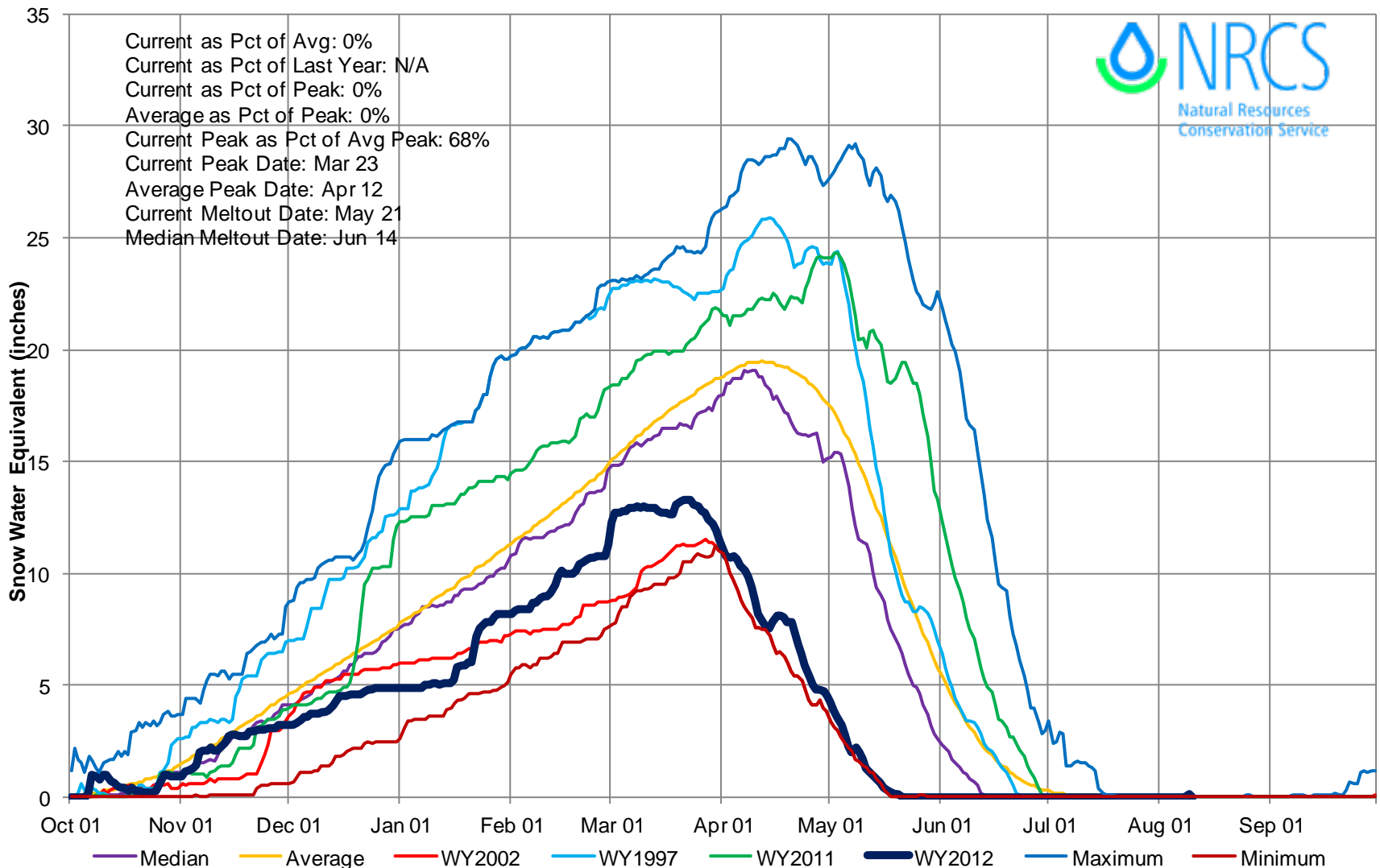


Gunnison River Basin Summary



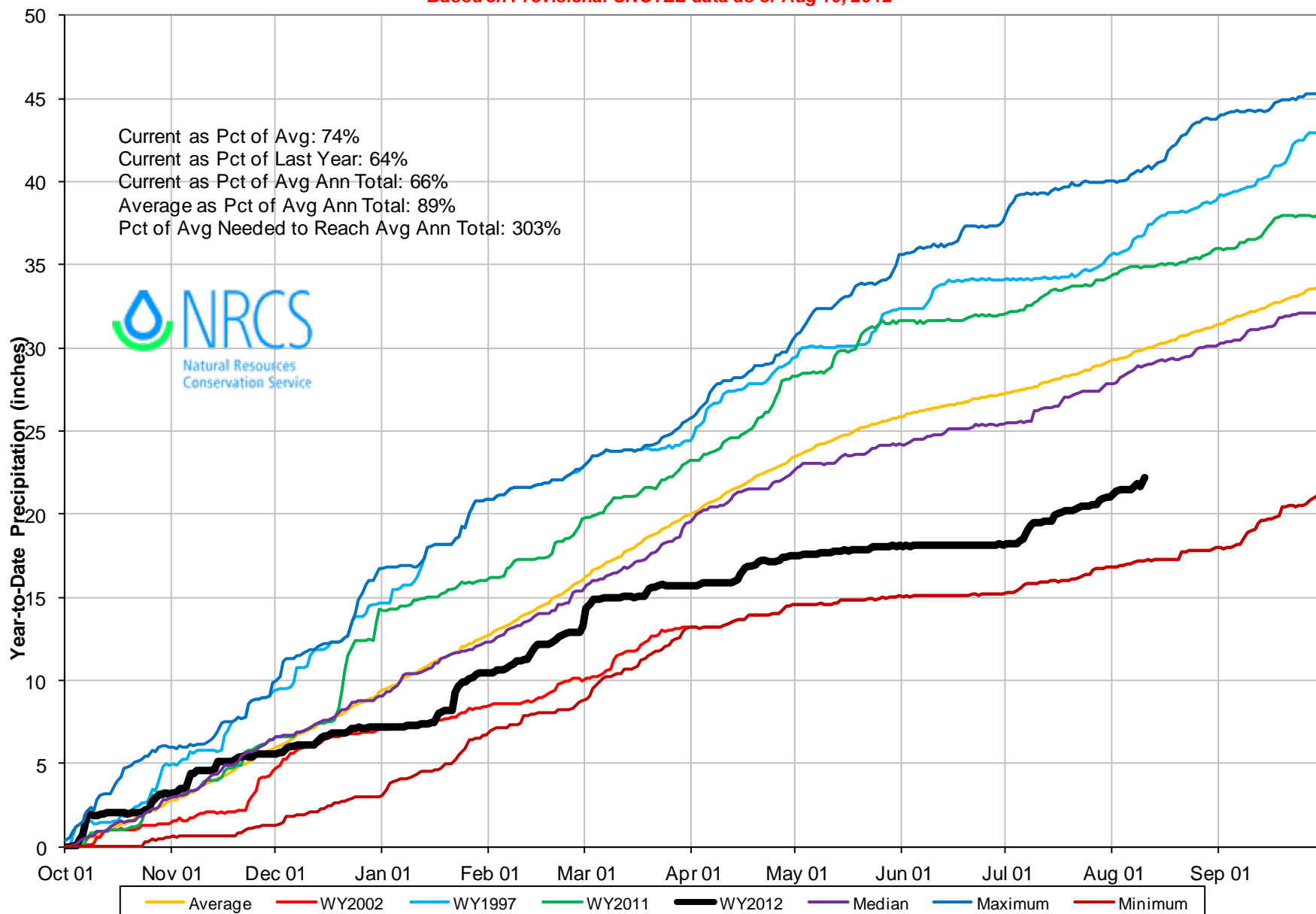
Gunnison River Basin High/Low Snowpack Summary

Based on Provisional SNOTEL data as of Aug 10, 2012



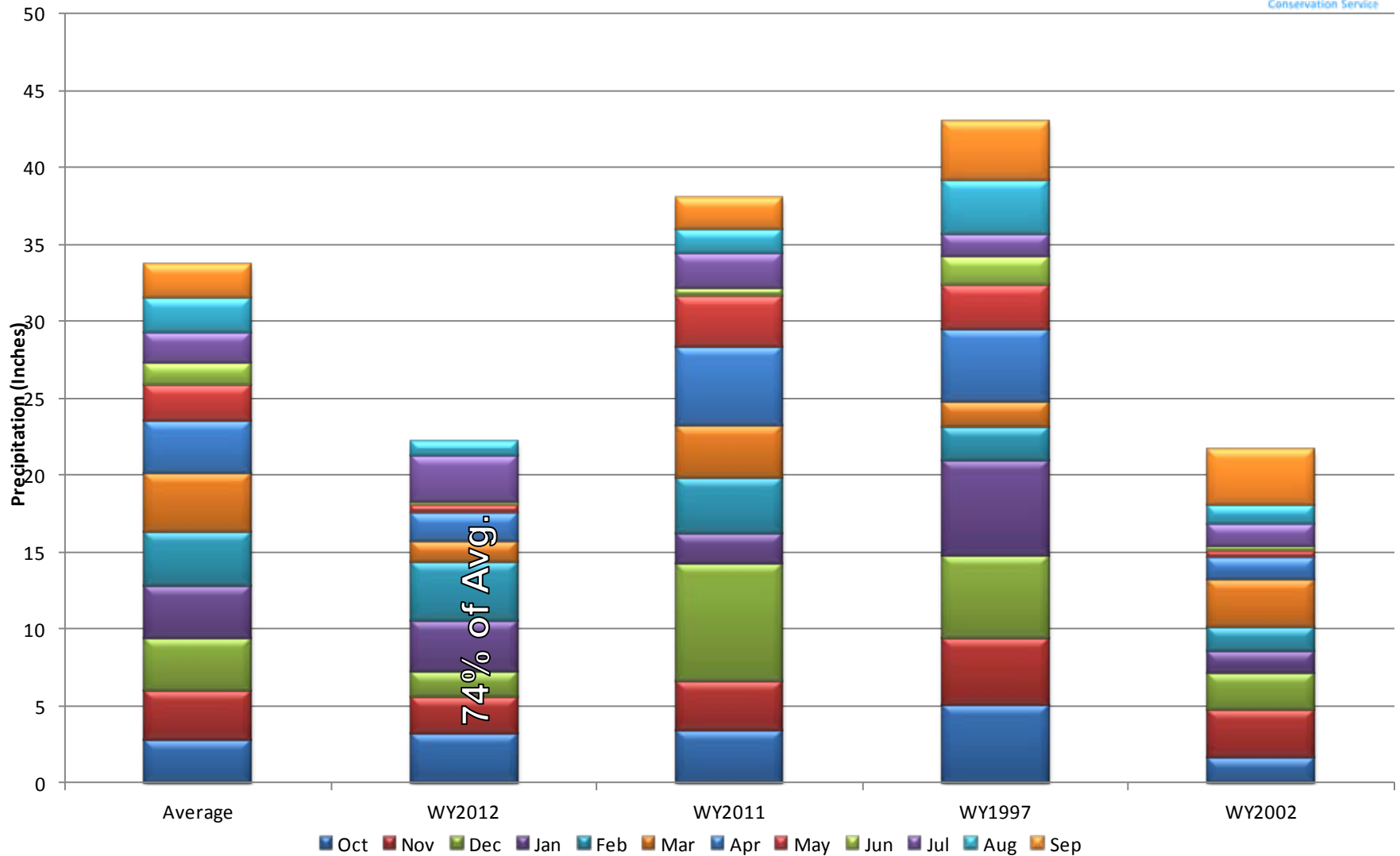
Gunnison River Basin High/Low Year-to-Date Precipitation Summary

Based on Provisional SNOTEL data as of Aug 10, 2012



Gunnison River Basin High/Low Monthly Precipitation Summary

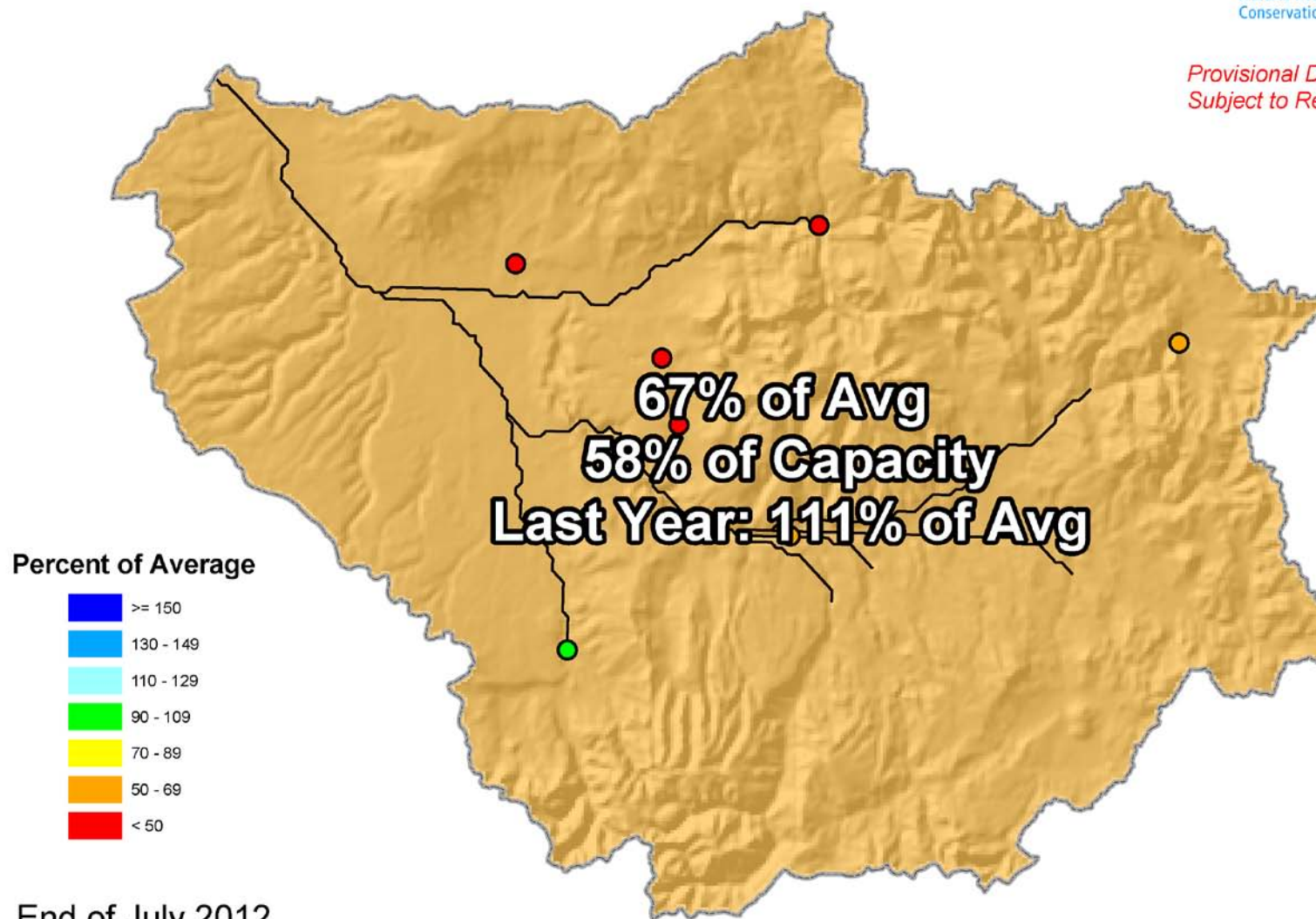
Based on Provisional SNOTEL data as of Aug 10, 2012



Gunnison River Basin Reservoir Storage Map

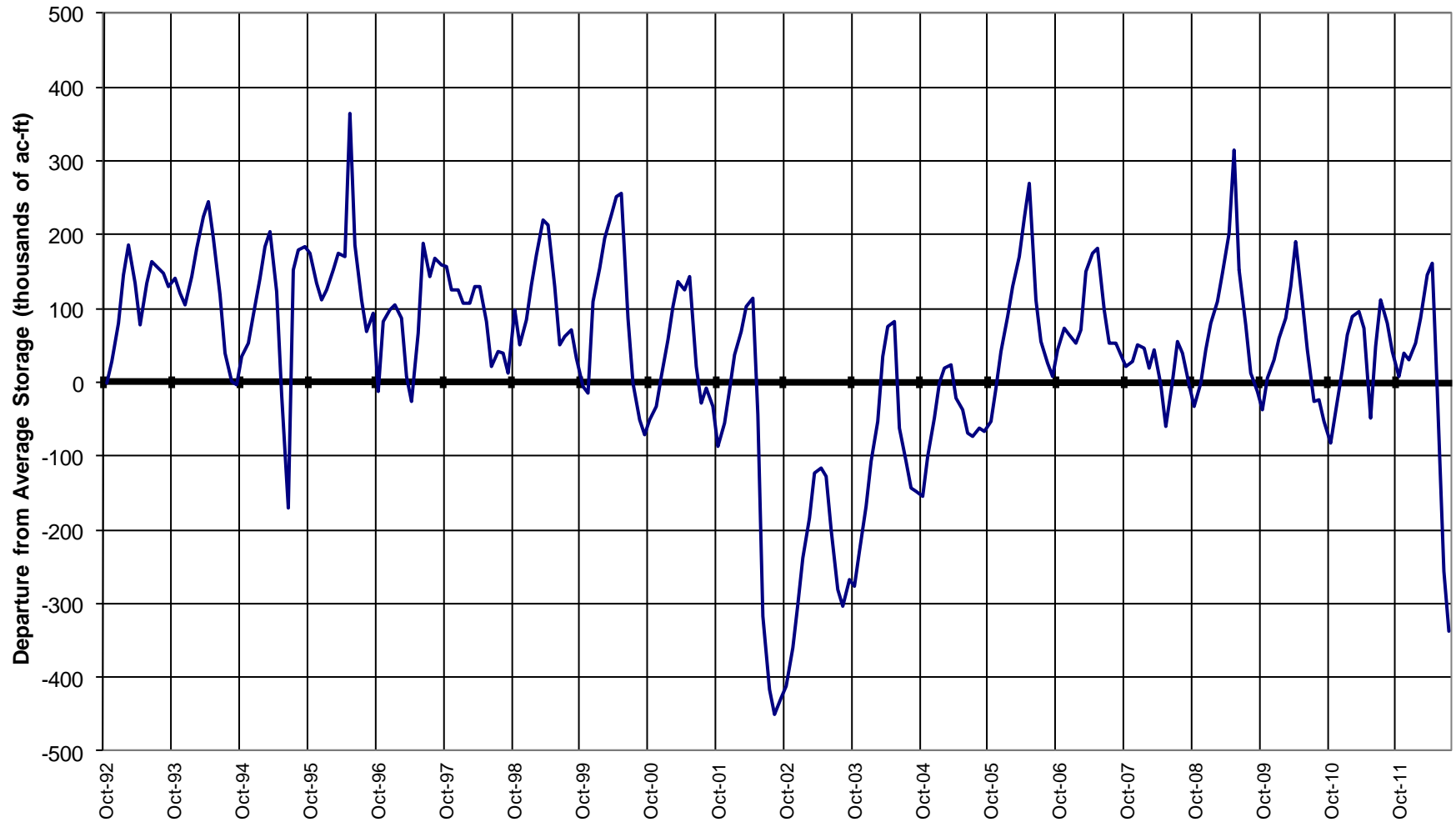


*Provisional Data
Subject to Revision*

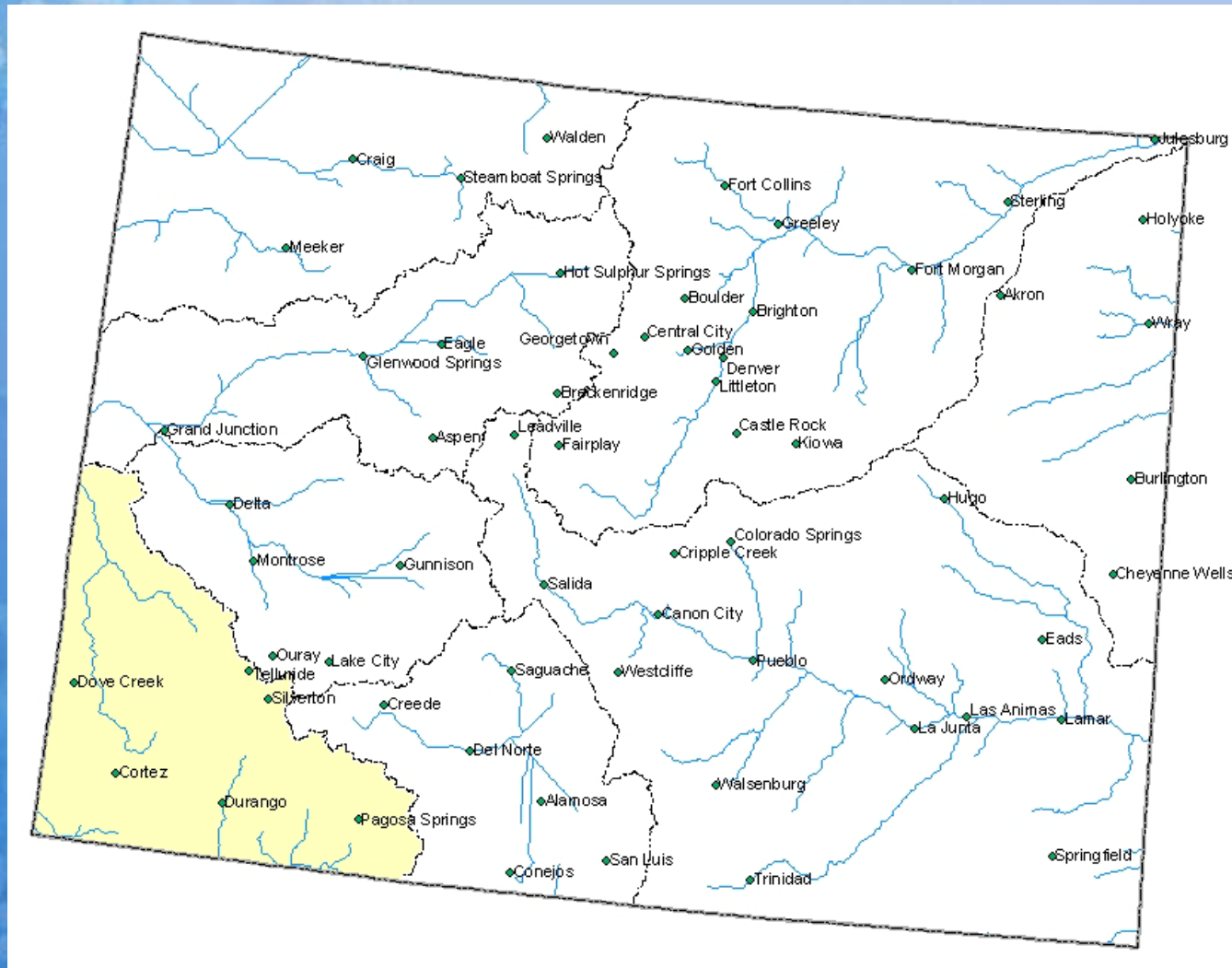


End of July 2012

GUNNISON RIVER BASIN
Reservoir Storage
Departure from Average



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

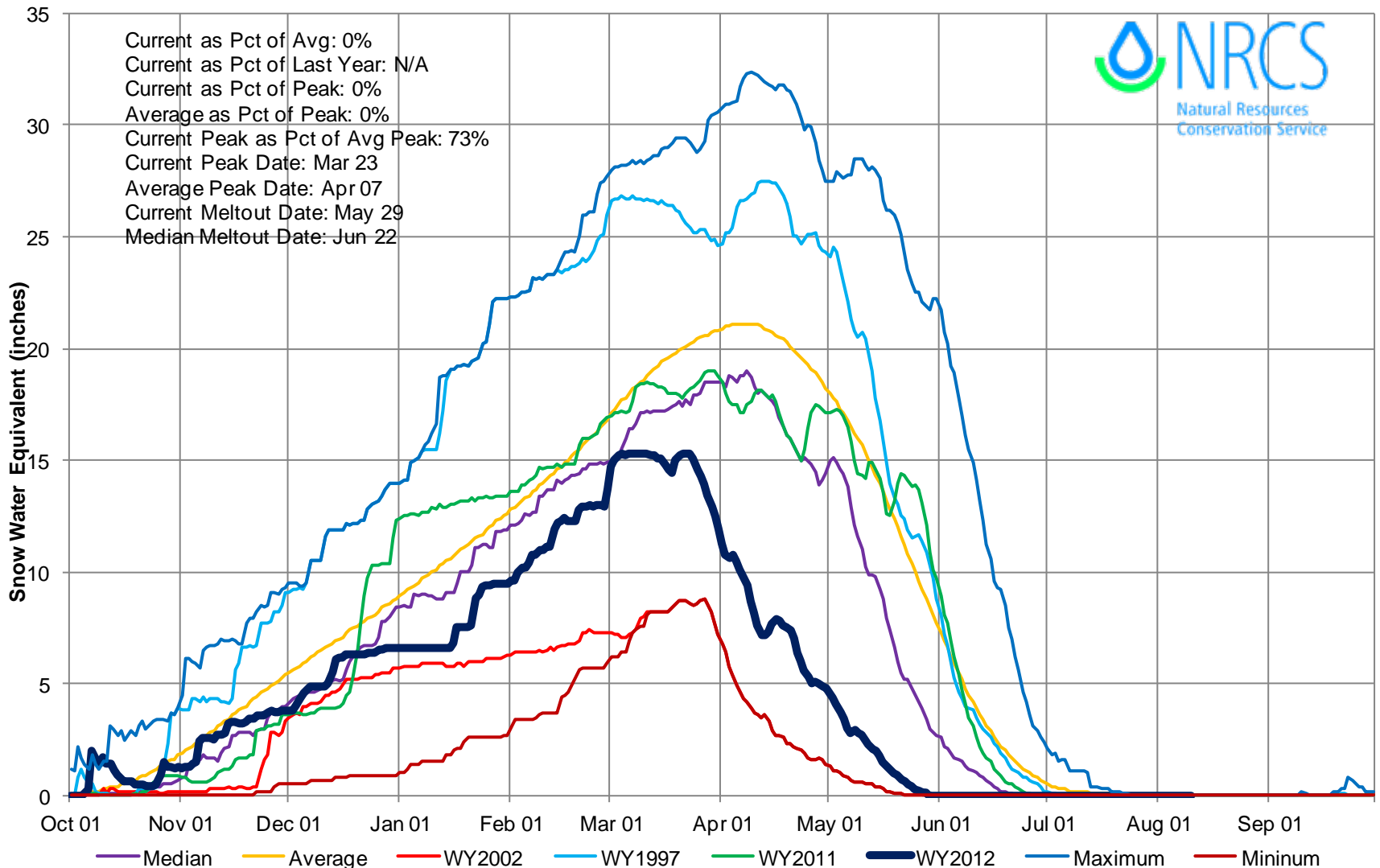


San Miguel, Dolores, Animas & San Juan River Basins High/Low Snowpack Summary

Based on Provisional SNOTEL data as of Aug 10, 2012



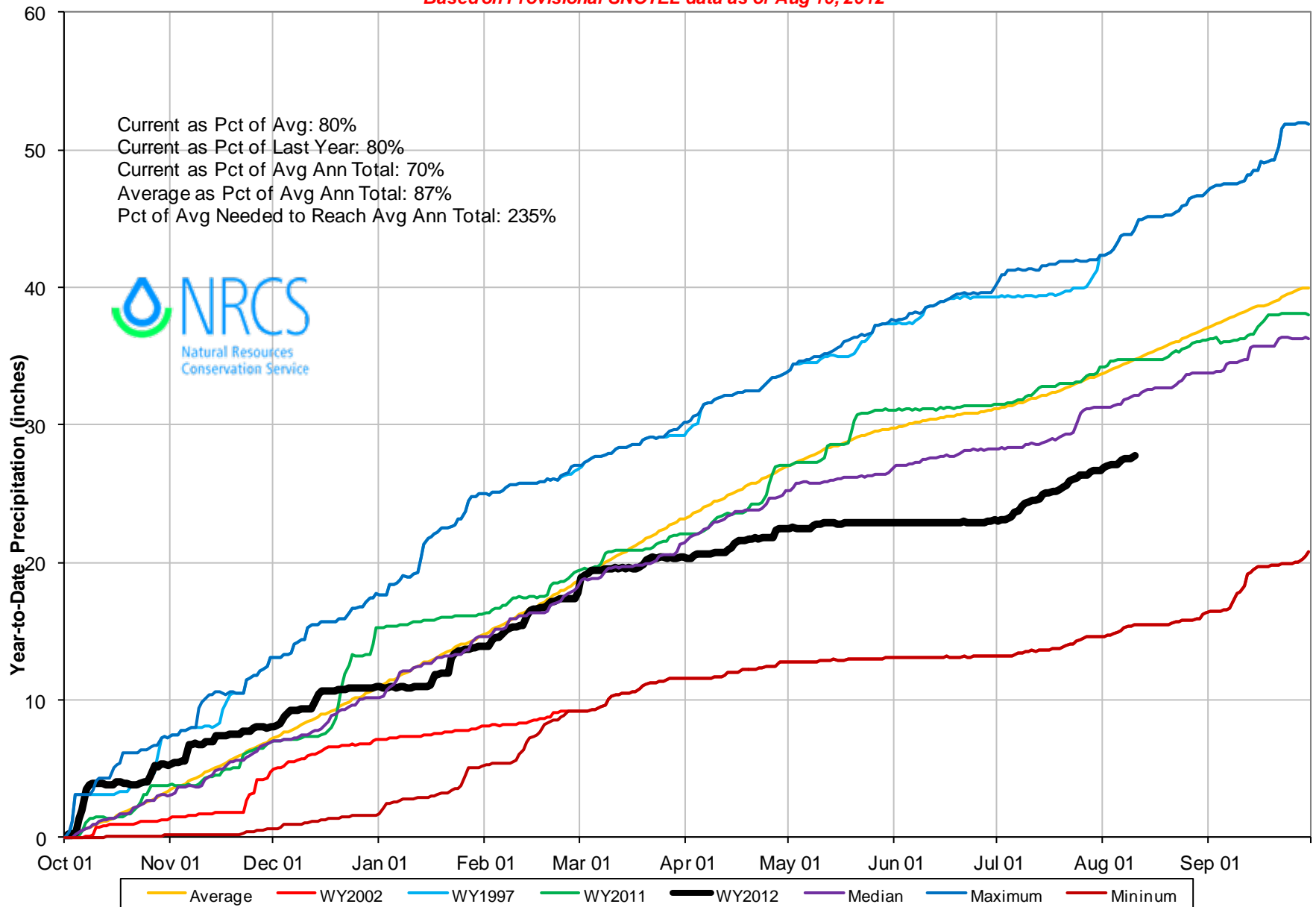
Current as Pct of Avg: 0%
 Current as Pct of Last Year: N/A
 Current as Pct of Peak: 0%
 Average as Pct of Peak: 0%
 Current Peak as Pct of Avg Peak: 73%
 Current Peak Date: Mar 23
 Average Peak Date: Apr 07
 Current Meltout Date: May 29
 Median Meltout Date: Jun 22



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

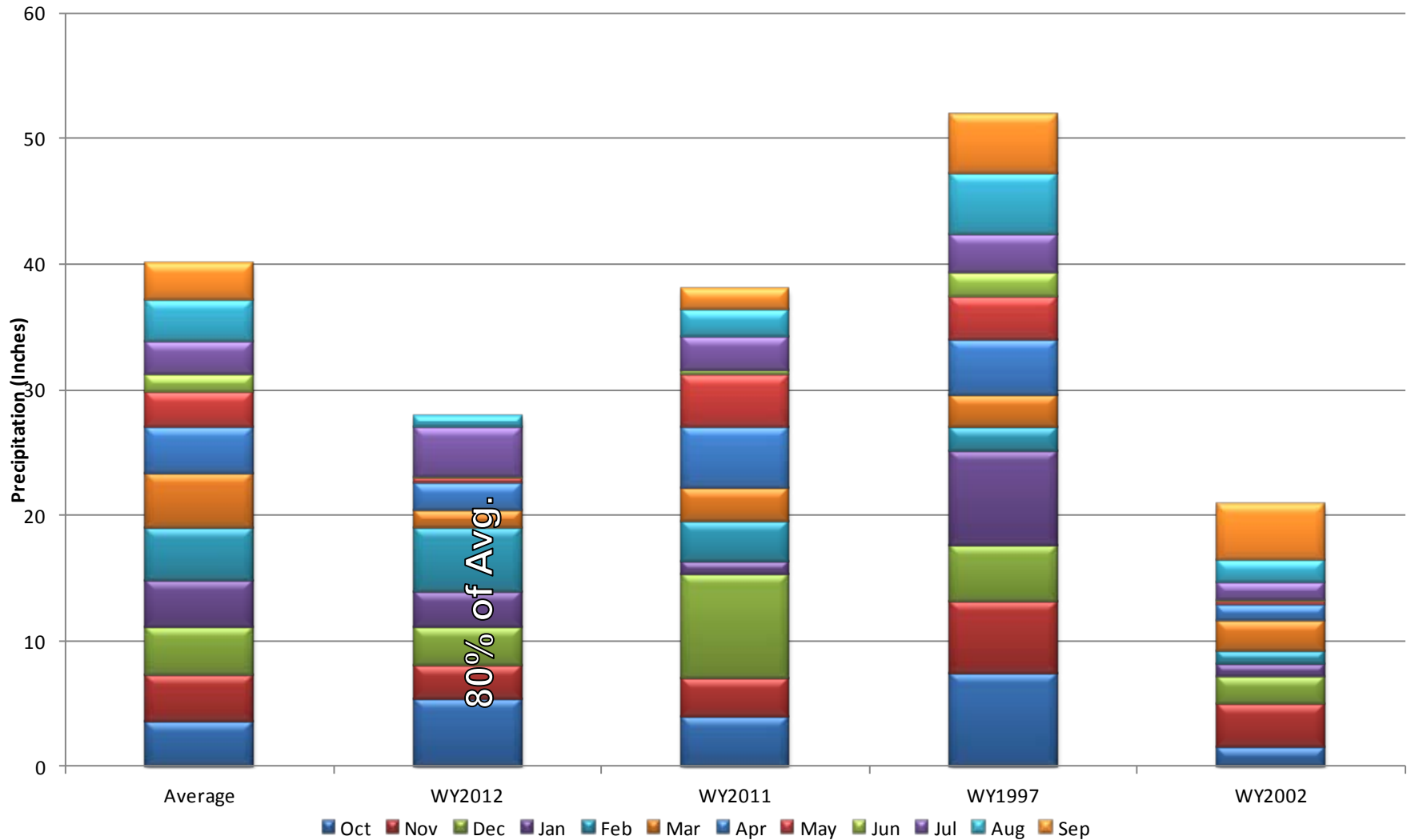
Based on Provisional SNOTEL data as of Aug 10, 2012

Current as Pct of Avg: 80%
Current as Pct of Last Year: 80%
Current as Pct of Avg Ann Total: 70%
Average as Pct of Avg Ann Total: 87%
Pct of Avg Needed to Reach Avg Ann Total: 235%



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

Based on Provisional SNOTEL data as of Aug 10, 2012



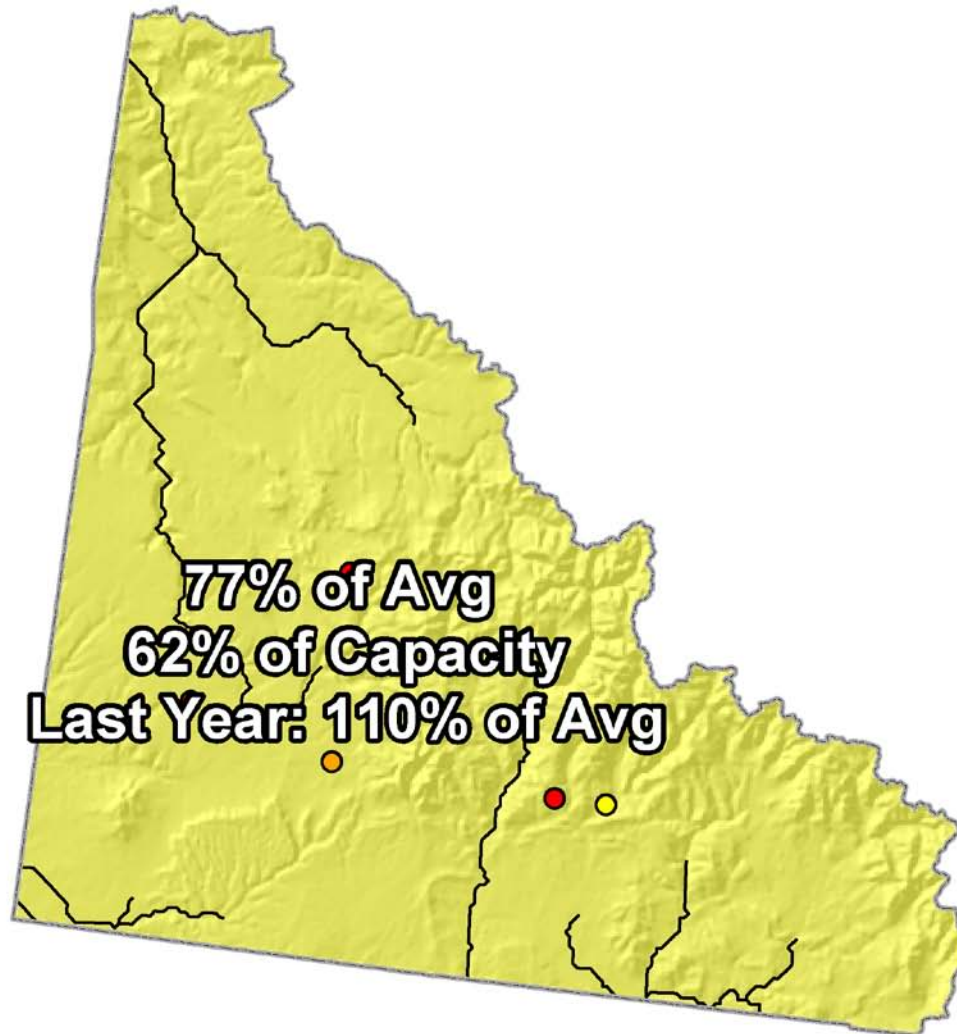
San Miguel, Dolores, Animas and San Juan River Basins Reservoir Storage Map



Percent of Average

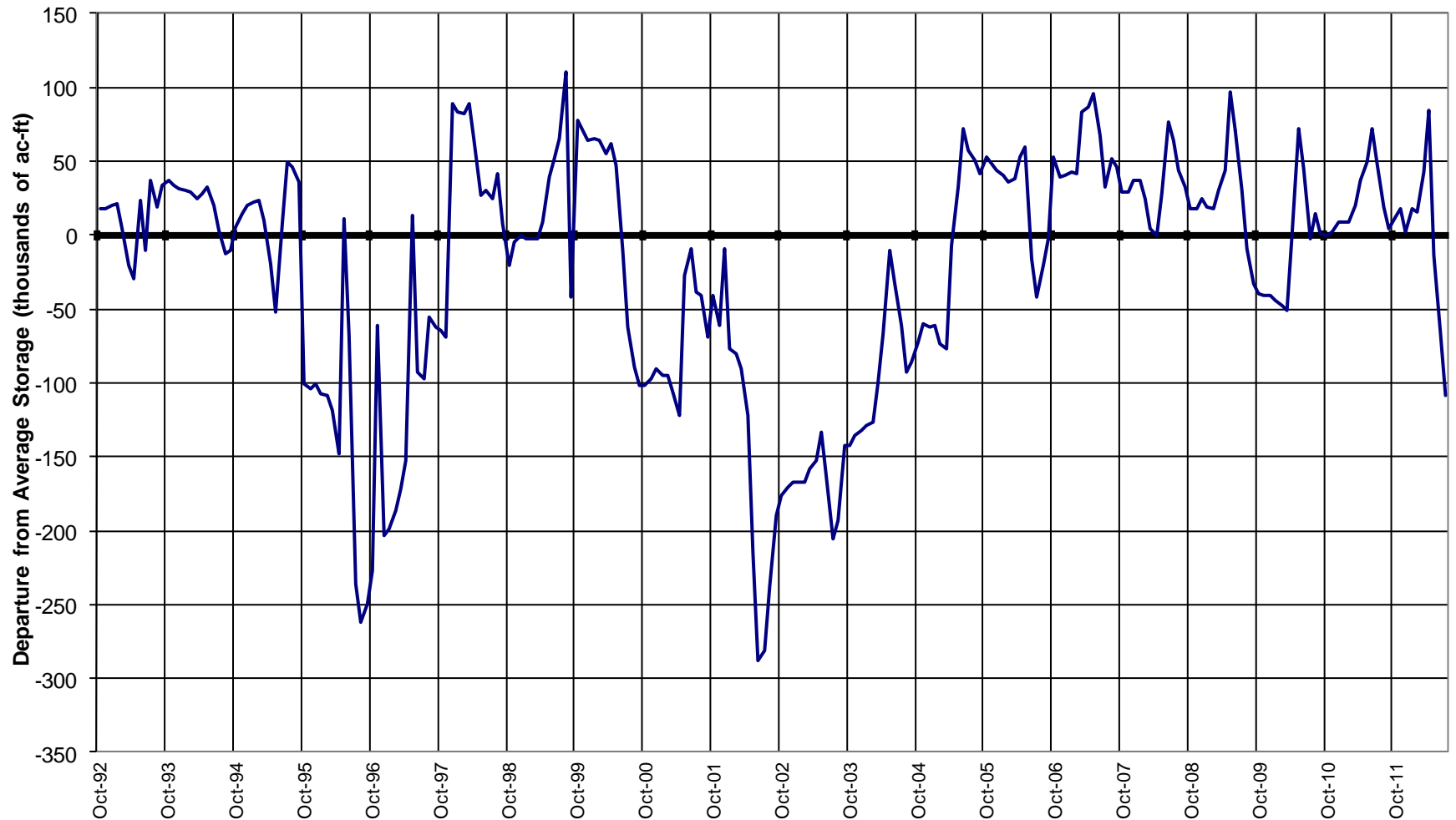


*Provisional Data
Subject to Revision*



End of July 2012

SAN MIGUEL, DOLORES, ANIMAS AND SAN JUAN RIVER BASINS
Reservoir Storage
Departure from Average

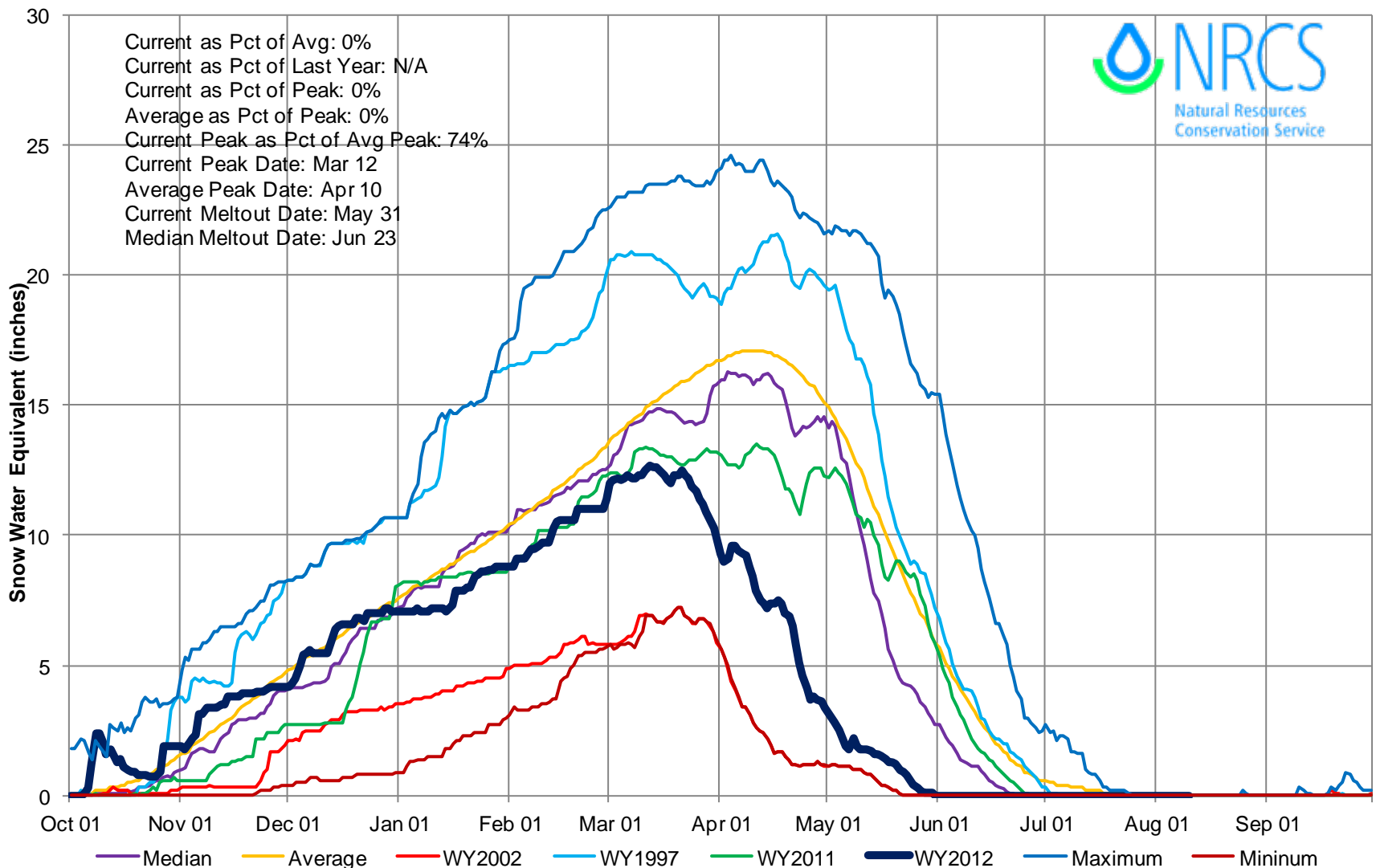


Upper Rio Grande Basin Summary



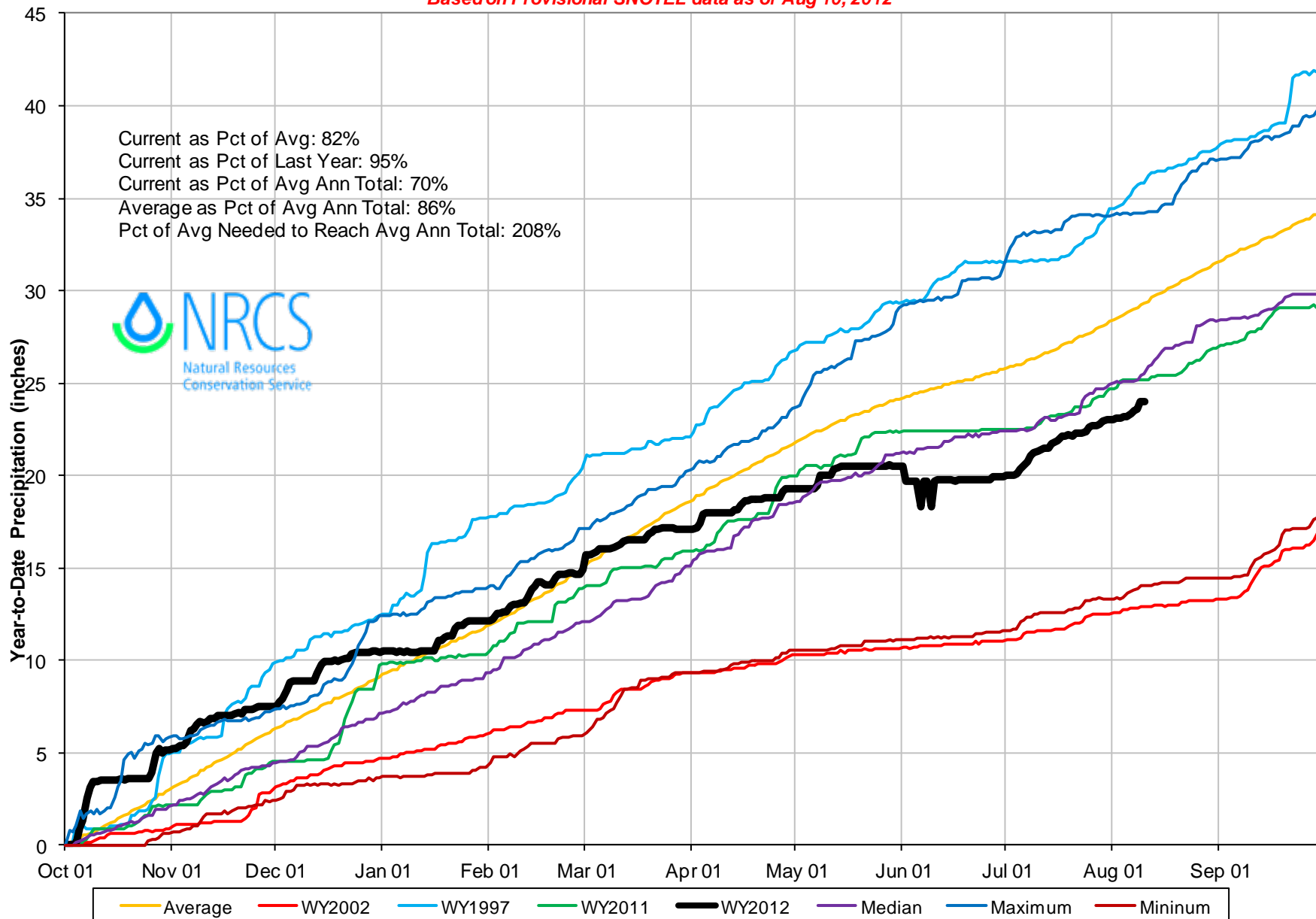
Upper Rio Grande Basin High/Low Snowpack Summary

Based on Provisional SNOTEL data as of Aug 10, 2012



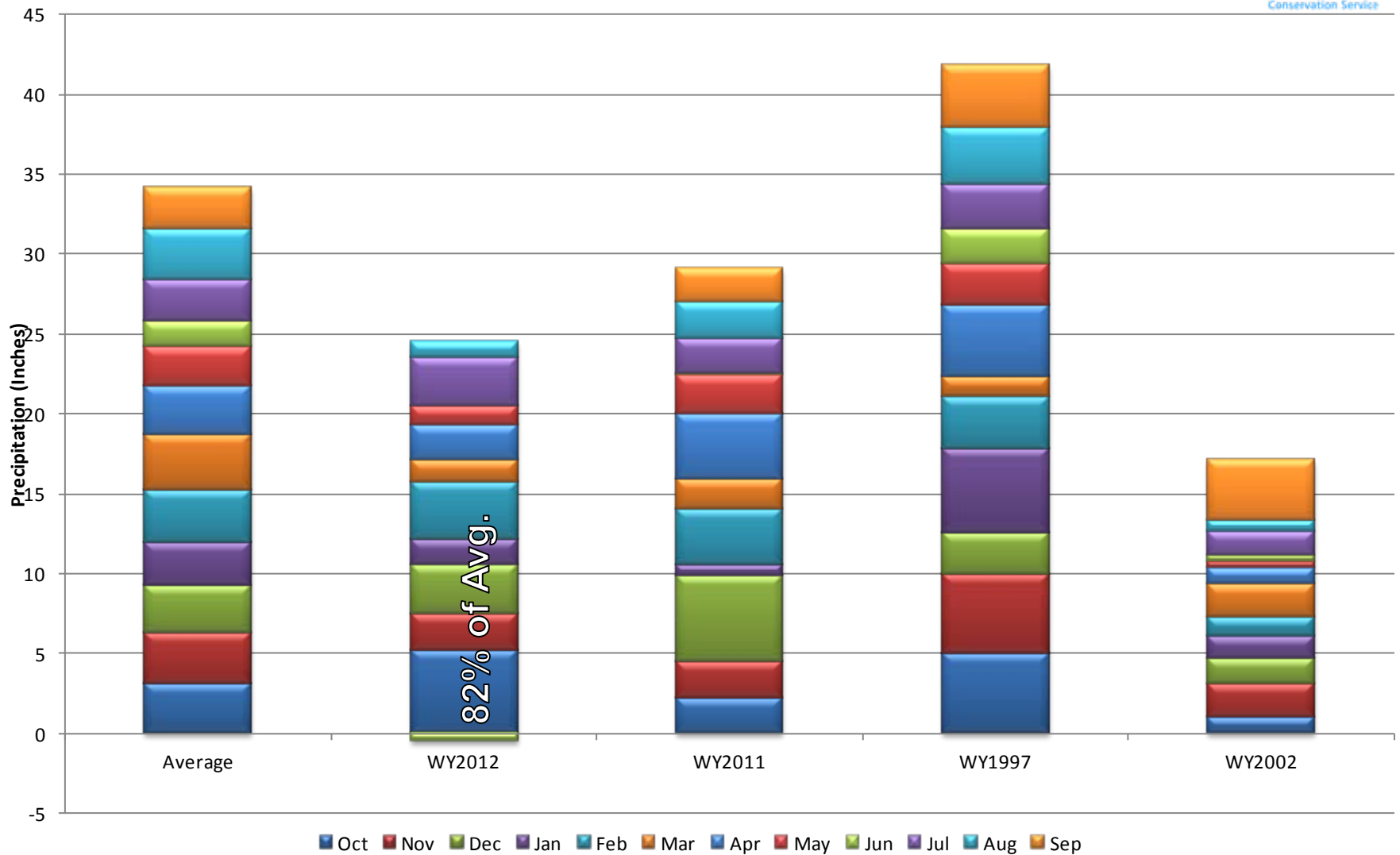
Upper Rio Grande Basin High/Low Year-to-Date Precipitation Summary

Based on Provisional SNOTEL data as of Aug 10, 2012



Upper Rio Grande Basin High/Low Monthly Precipitation Summary

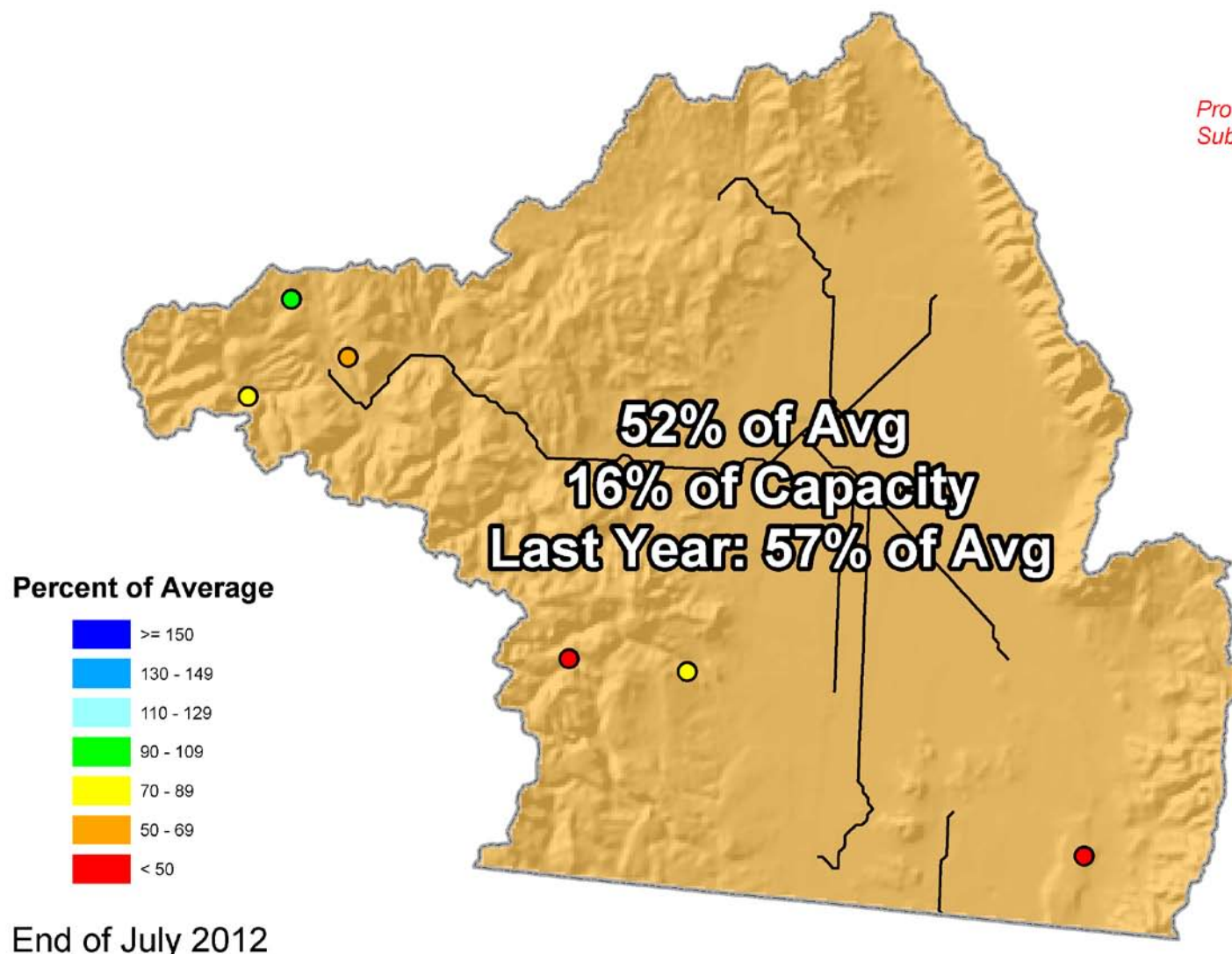
Based on Provisional SNOTEL data as of Aug 10, 2012



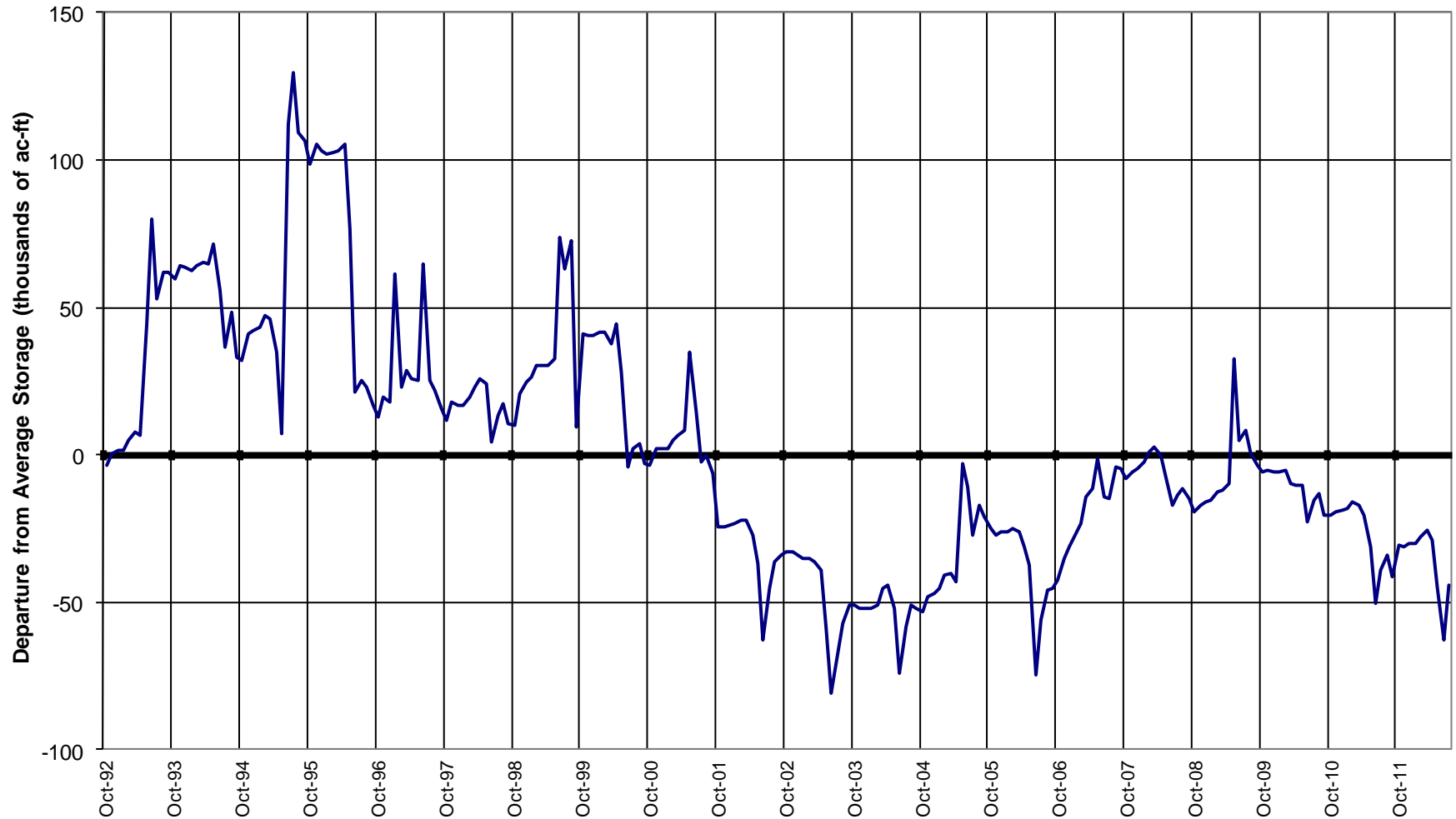
Upper Rio Grande Basin Reservoir Storage Map



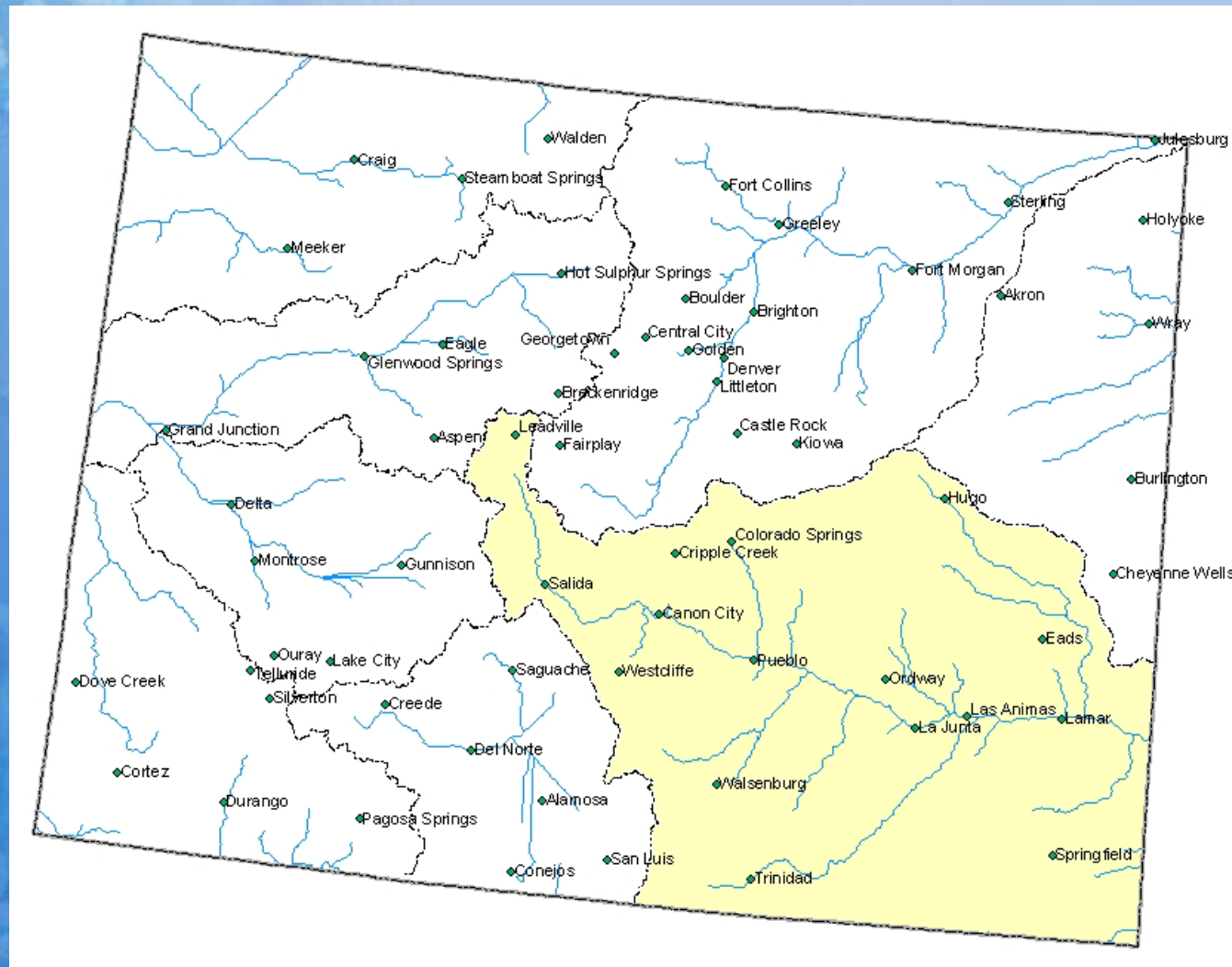
*Provisional Data
Subject to Revision*



UPPER RIO GRANDE BASIN
Reservoir Storage
Departure from Average

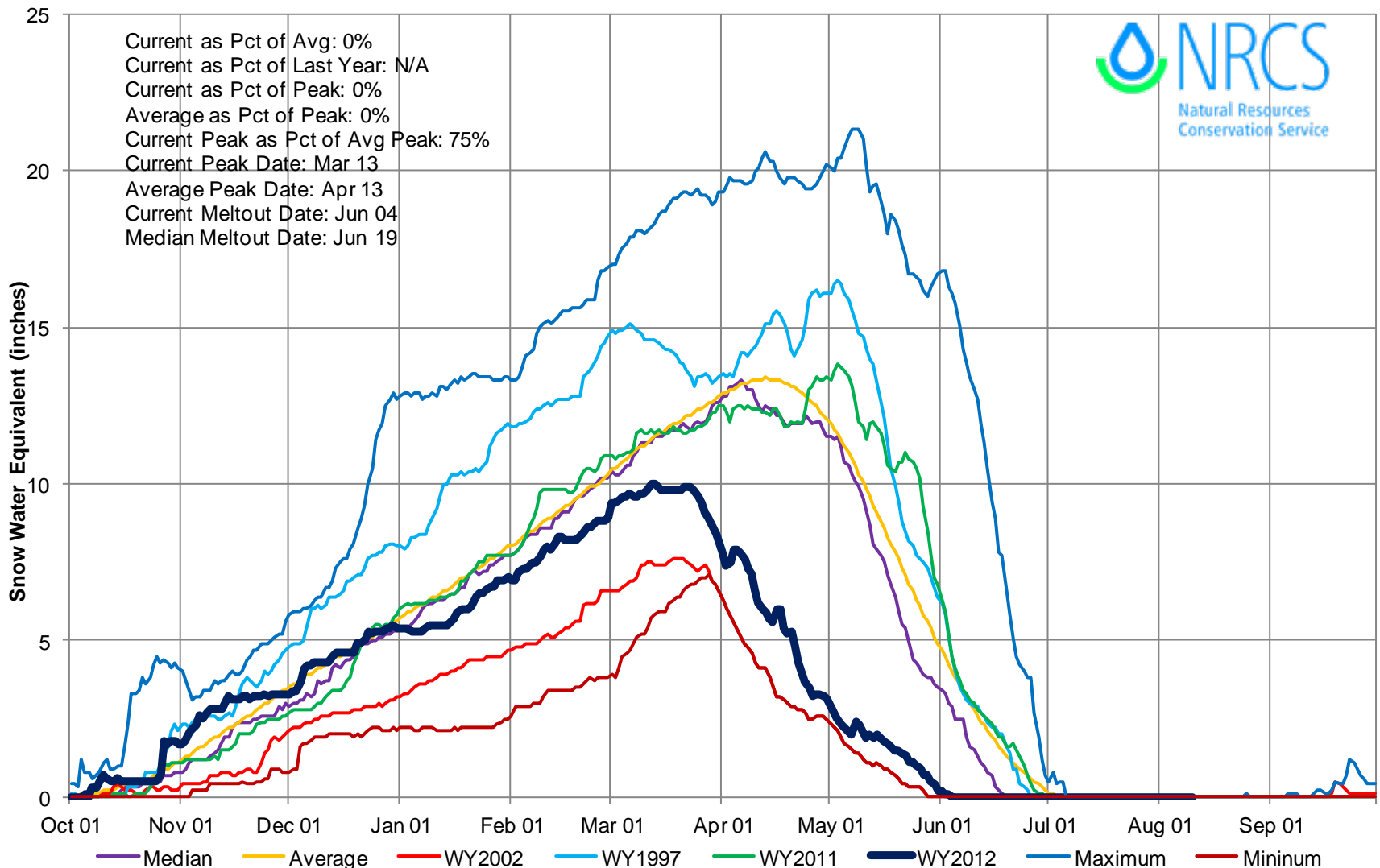


Arkansas River Basin Summary



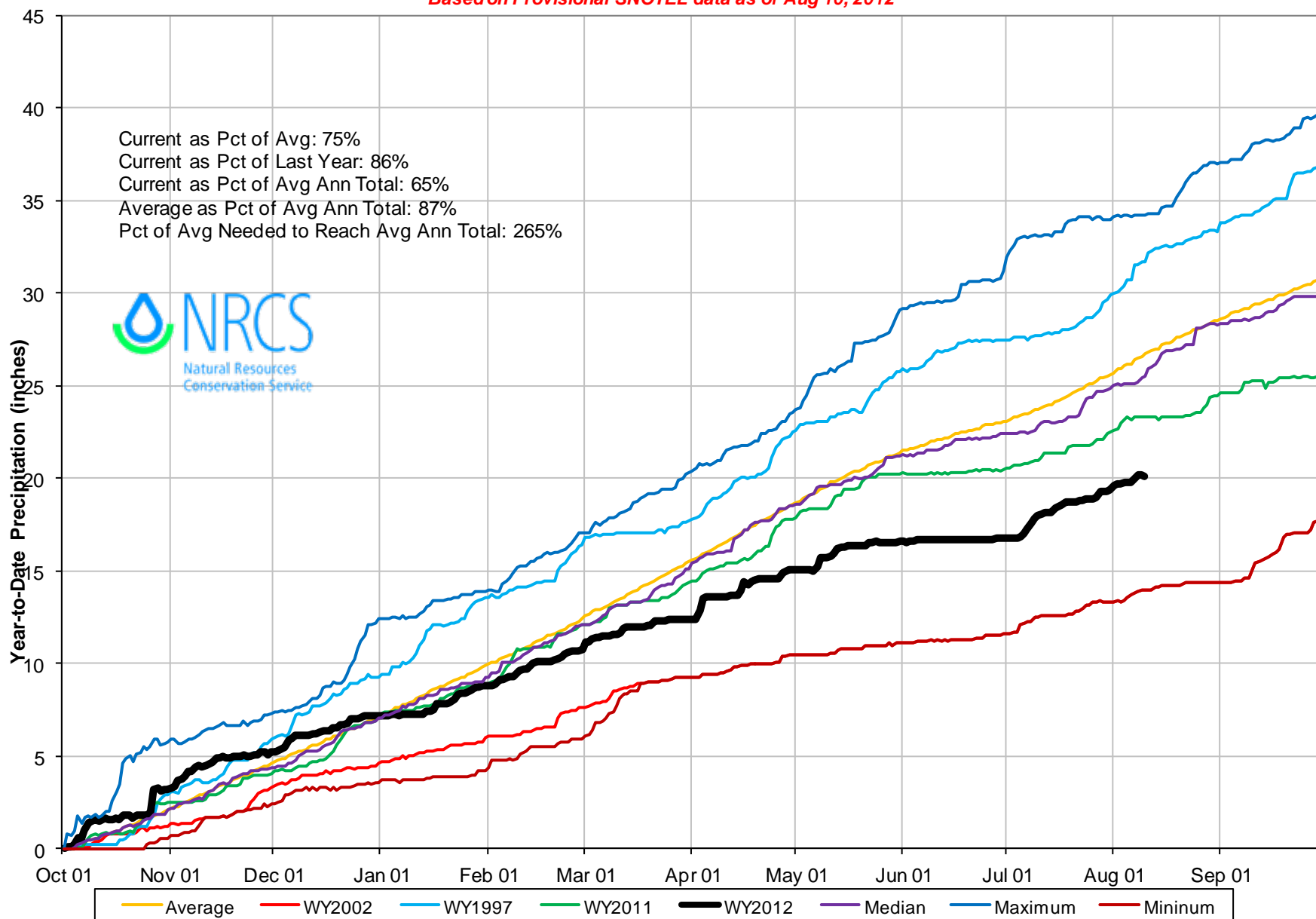
Arkansas River Basin High/Low Snowpack Summary

Based on Provisional SNOTEL data as of Aug 10, 2012



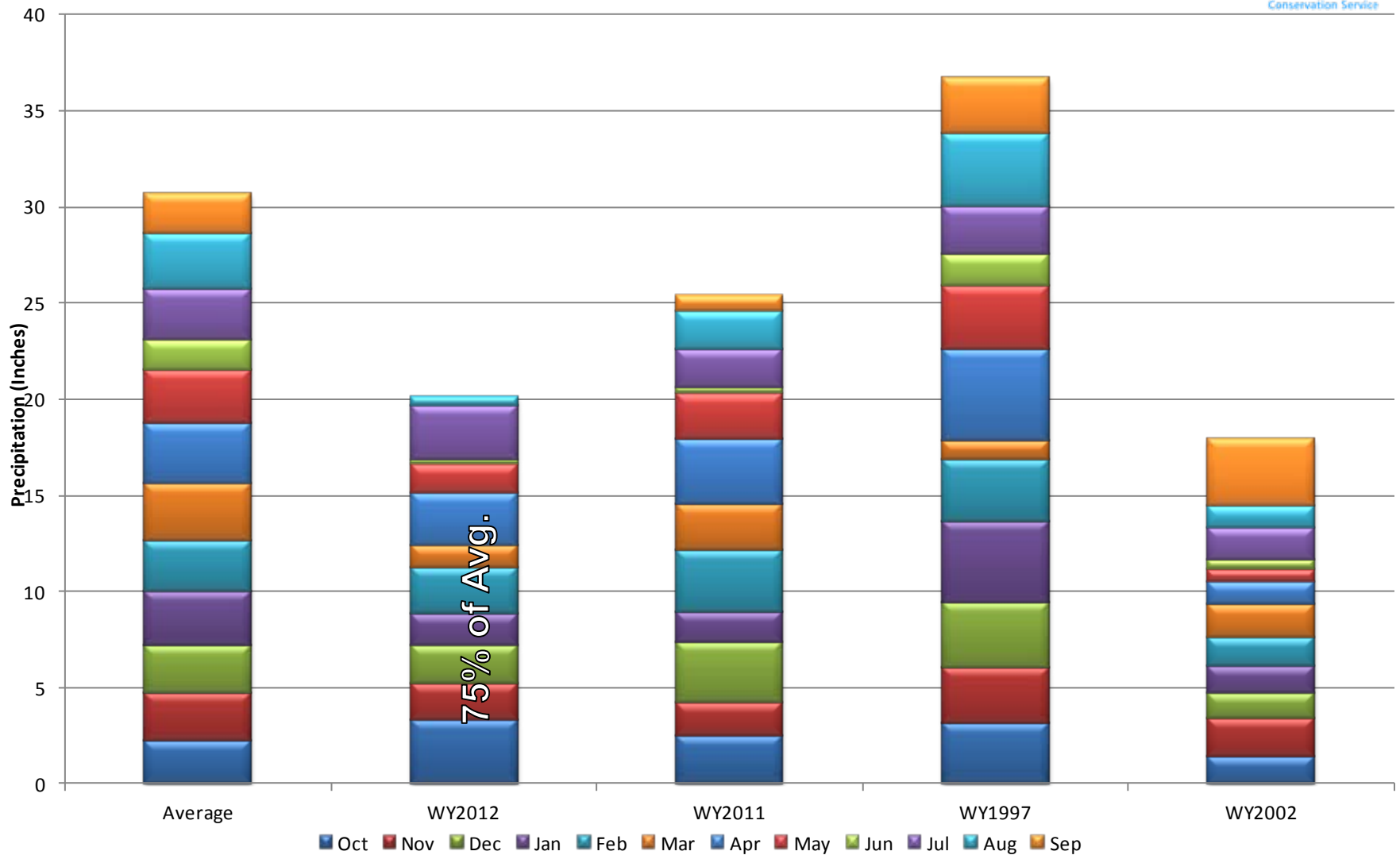
Arkansas River Basin High/Low Year-to-Date Precipitation Summary

Based on Provisional SNOTEL data as of Aug 10, 2012



Arkansas River Basin High/Low Monthly Precipitation Summary

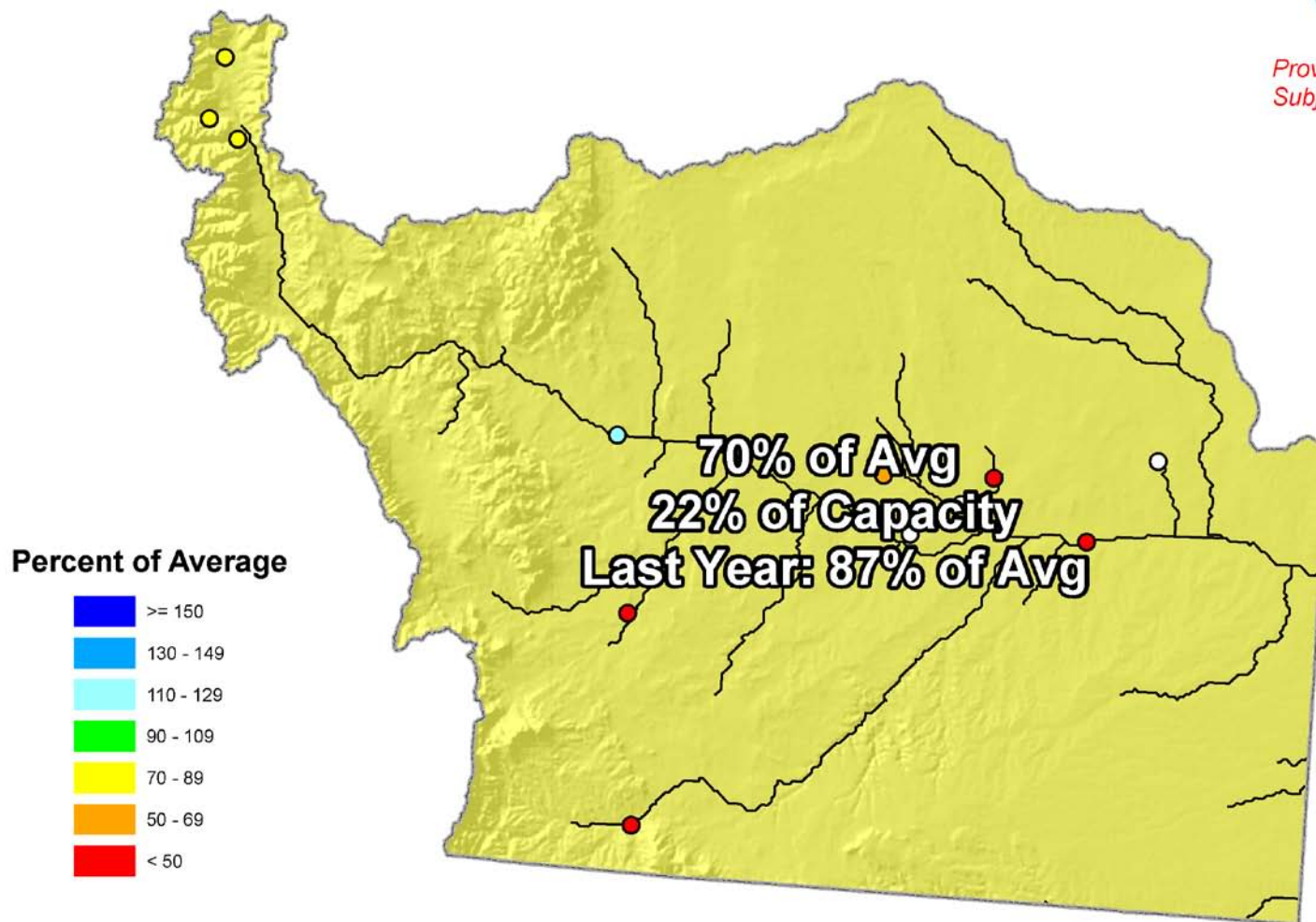
Based on Provisional SNOTEL data as of Aug 10, 2012



Arkansas River Basin Reservoir Storage Map

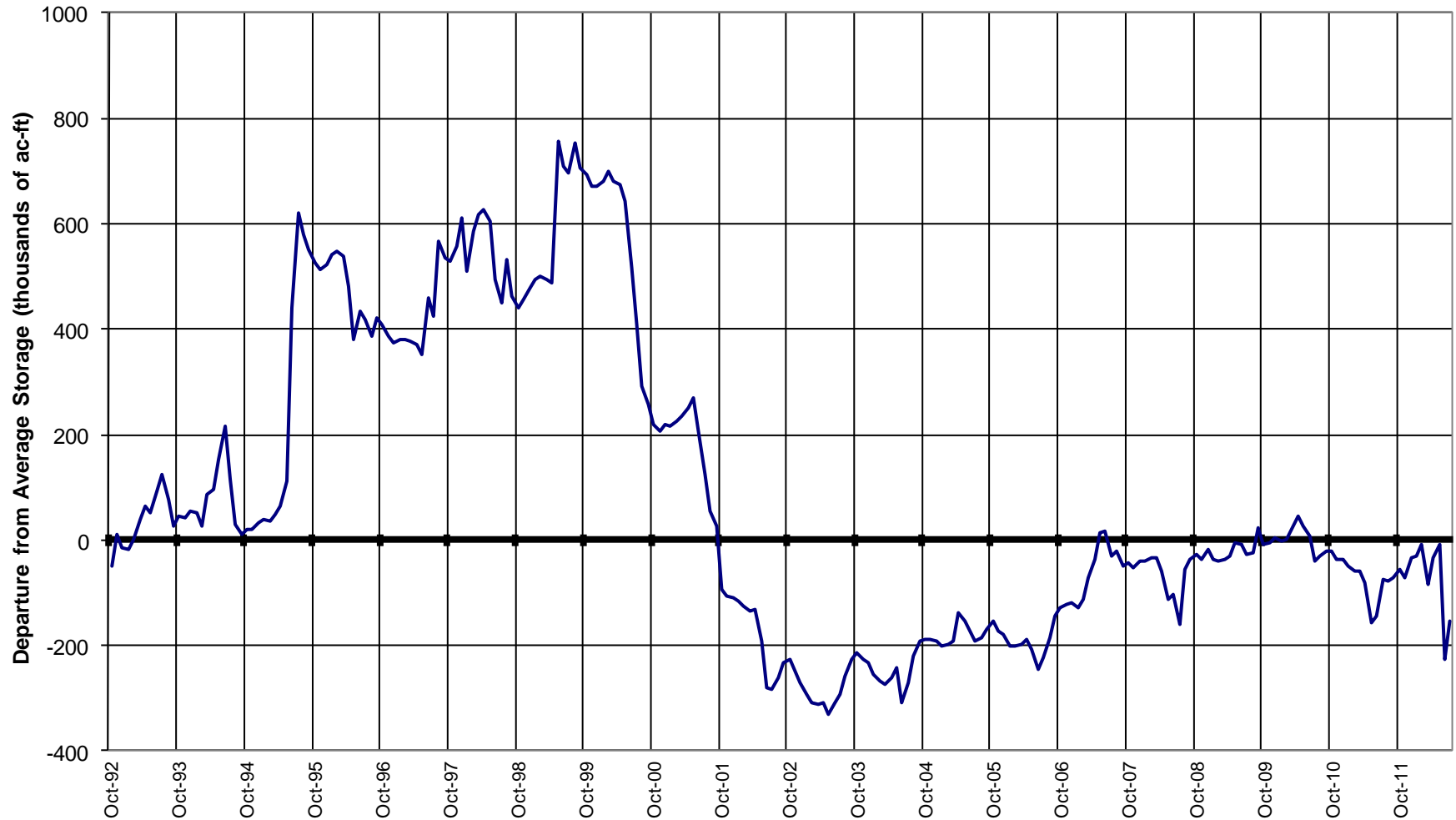


*Provisional Data
Subject to Revision*

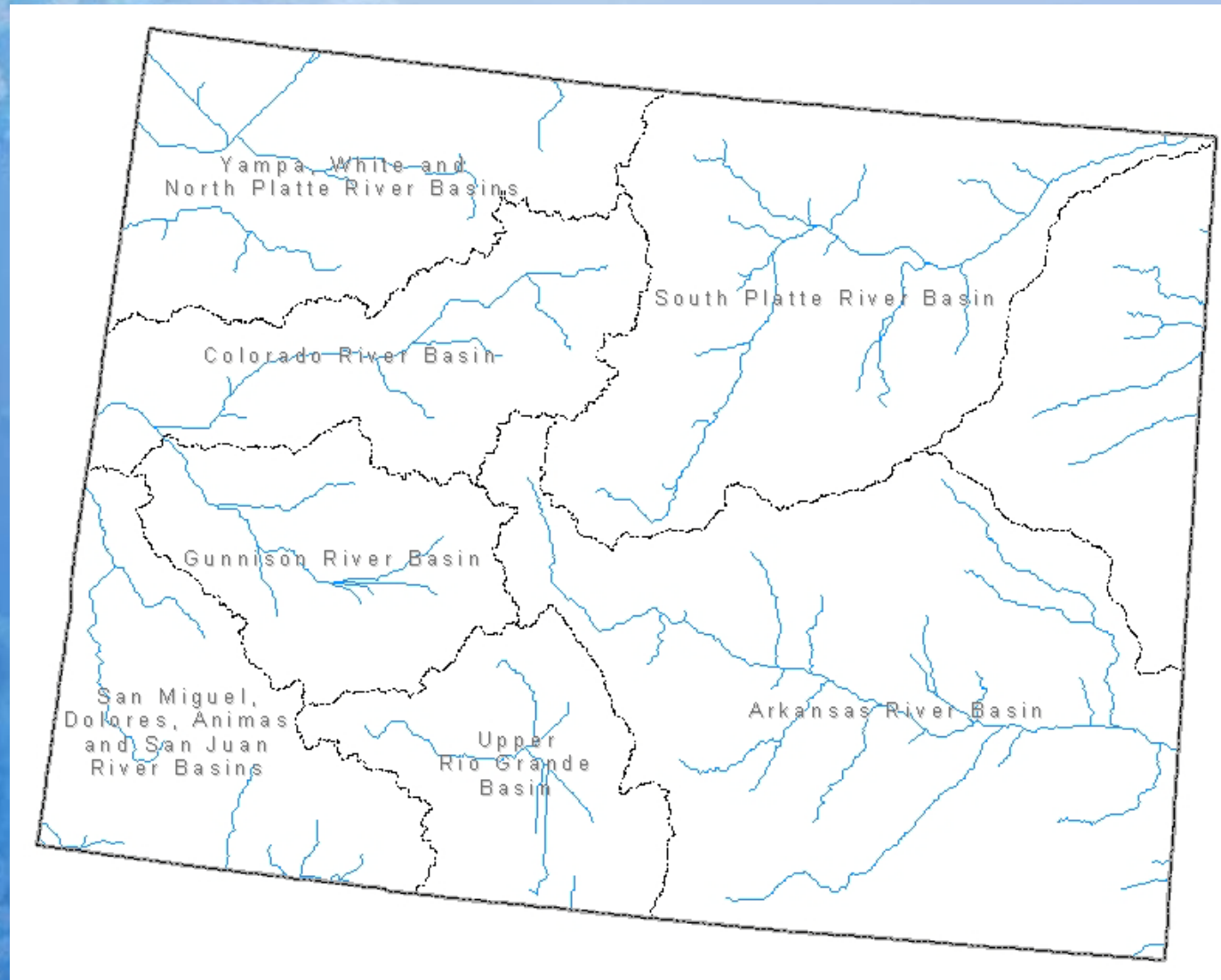


End of July 2012

ARKANSAS RIVER BASIN
Reservoir Storage
Departure from Average

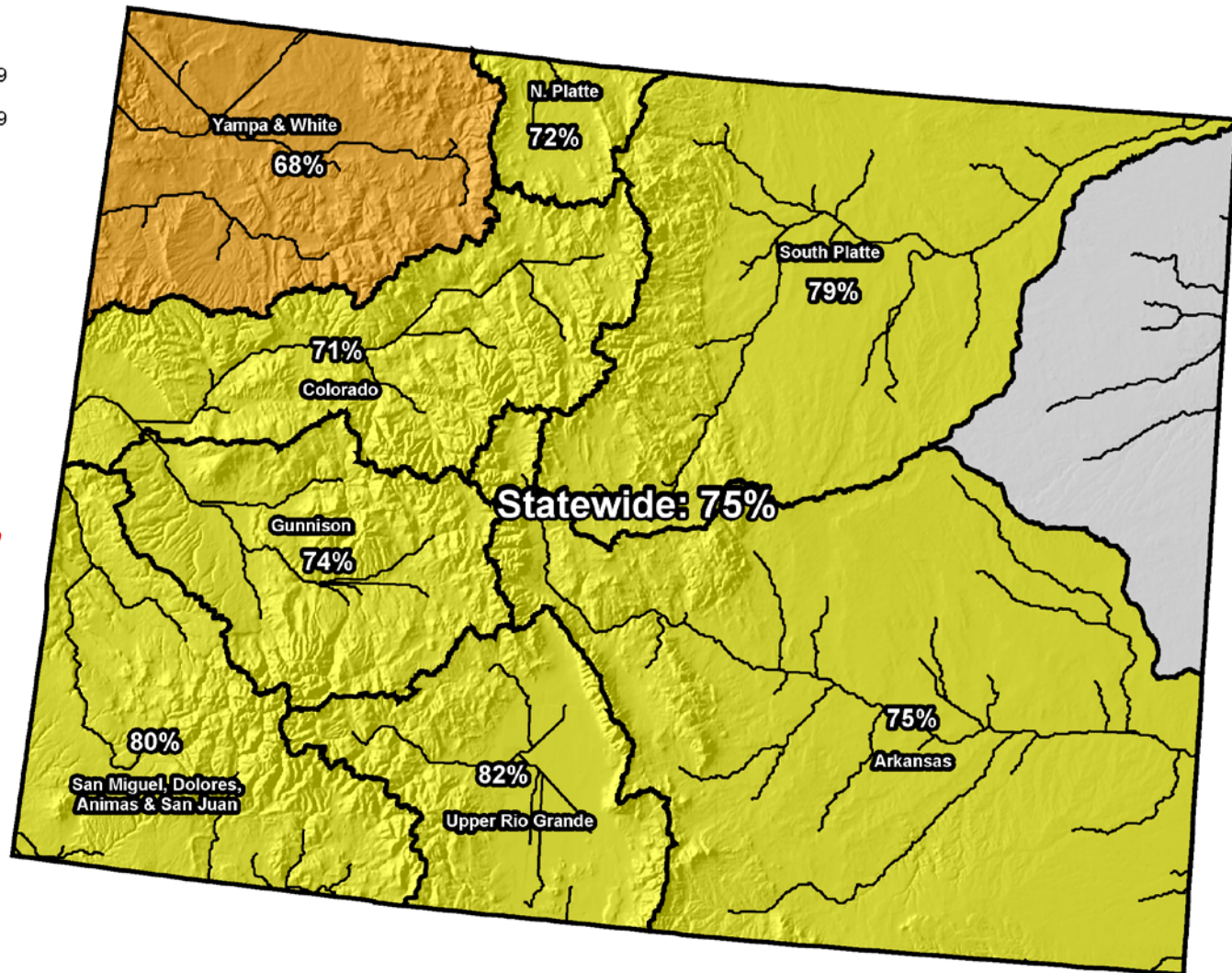
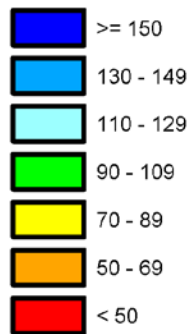


Colorado Statewide Summary



Colorado SNOTEL Water Year-to-Date Precipitation Update Map

Percent of Average



*Provisional Data
Subject to Revision*

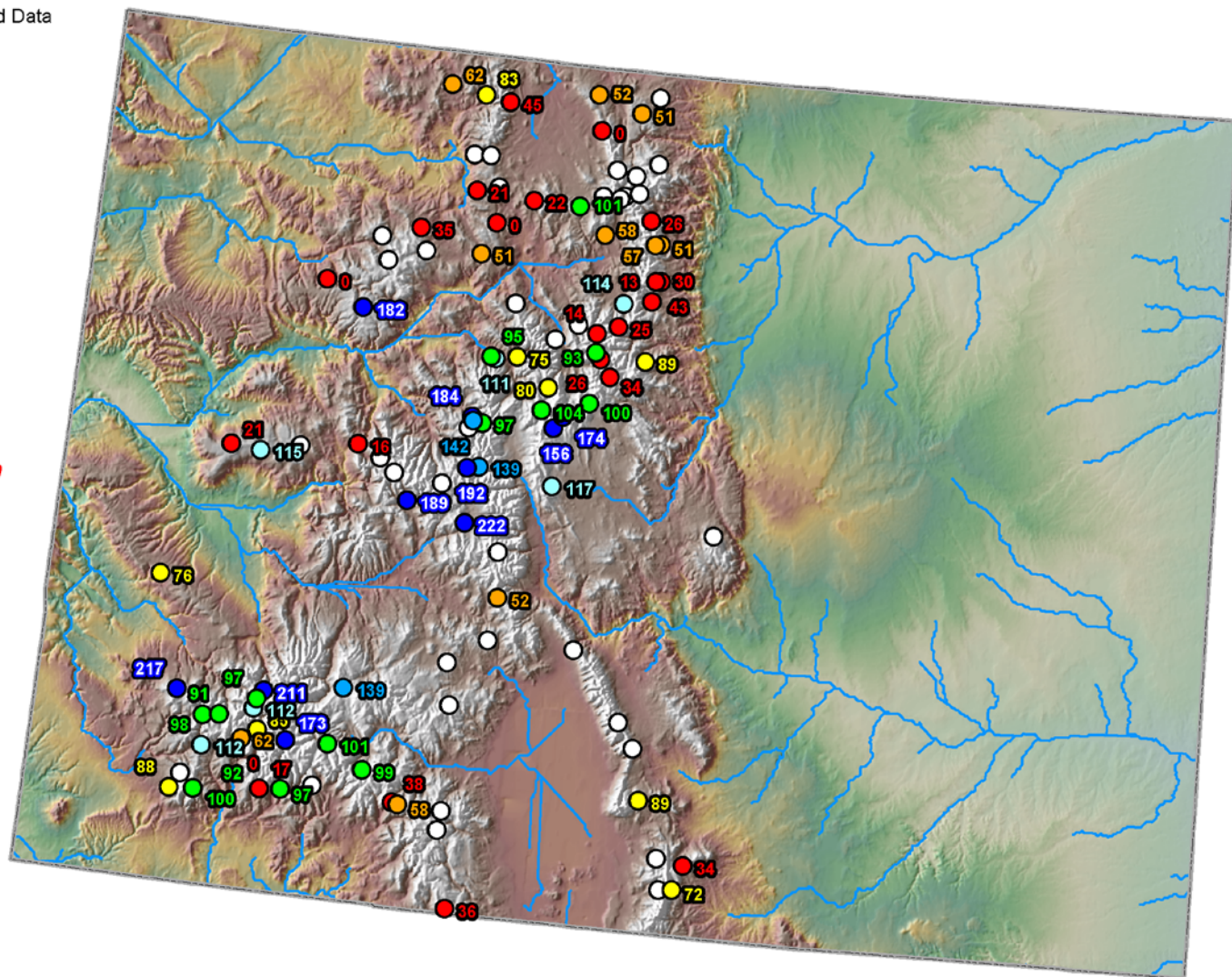
Current as of Aug 10, 2012

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

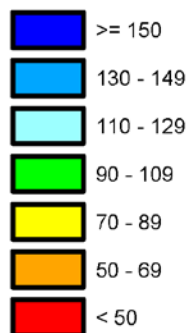
*Provisional Data
Subject to Revision*



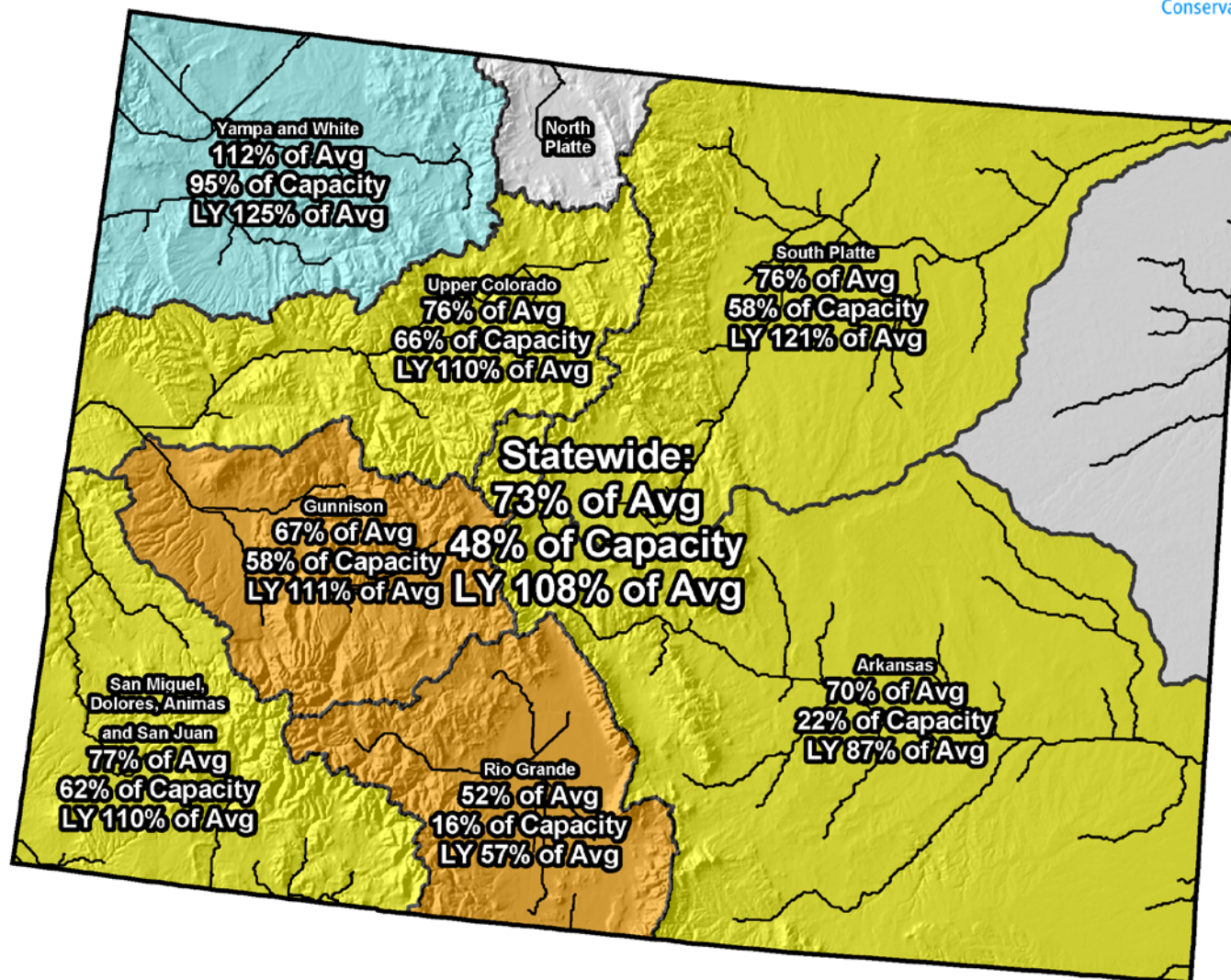
Current as of Aug 10, 2012

Colorado Reservoir Storage Map

Percent of Average

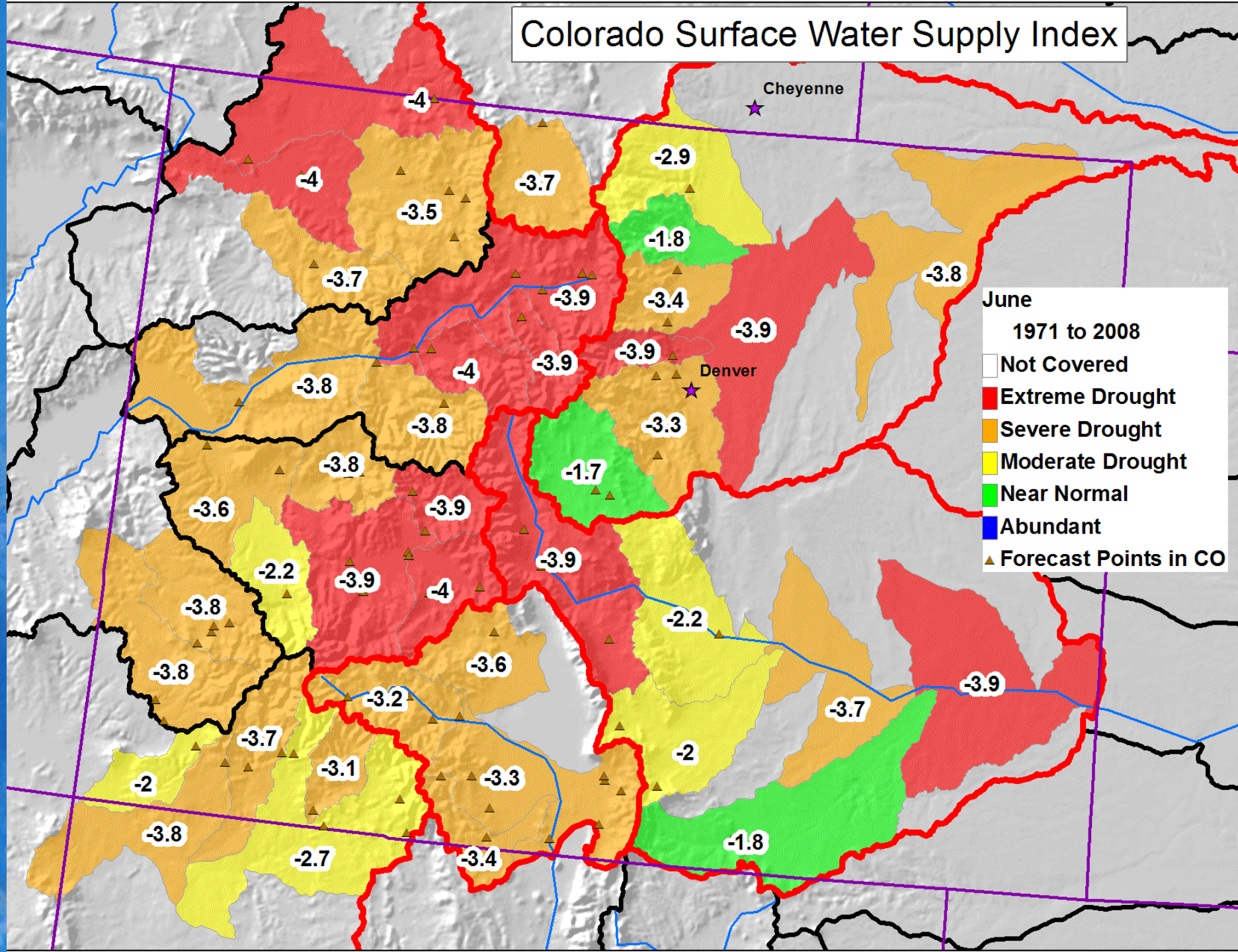


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Subject to Revision*

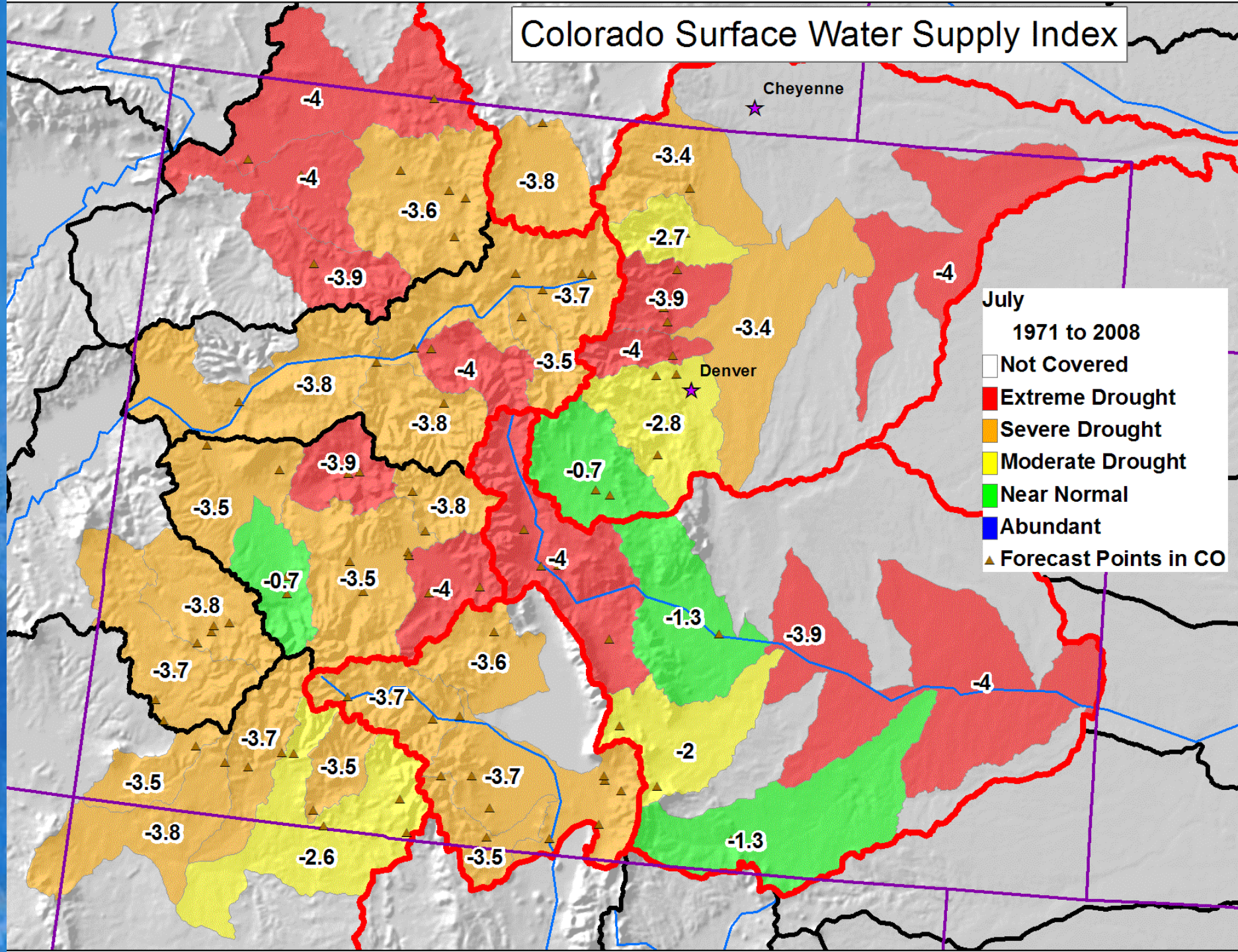


End of July 2012

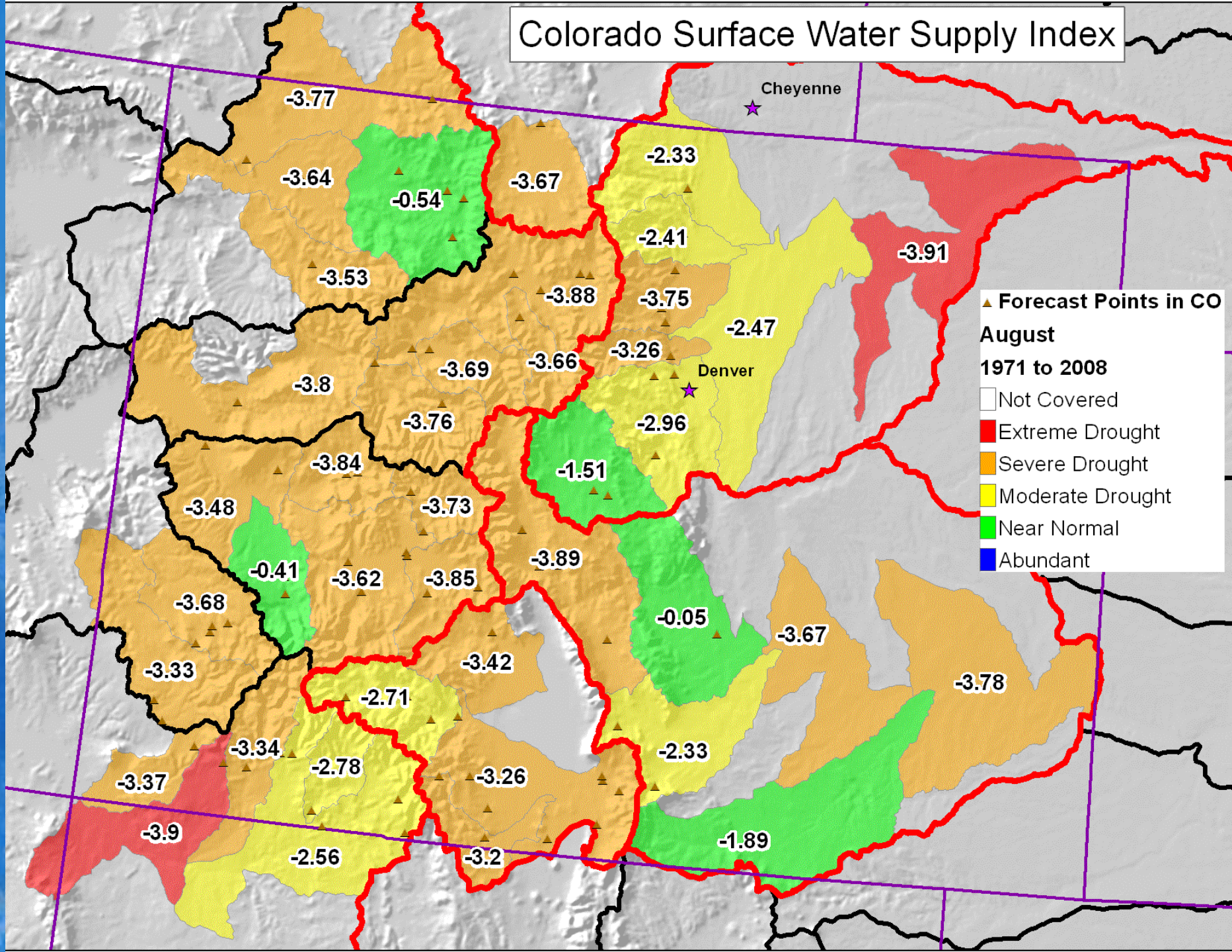
Colorado Surface Water Supply Index



Colorado Surface Water Supply Index

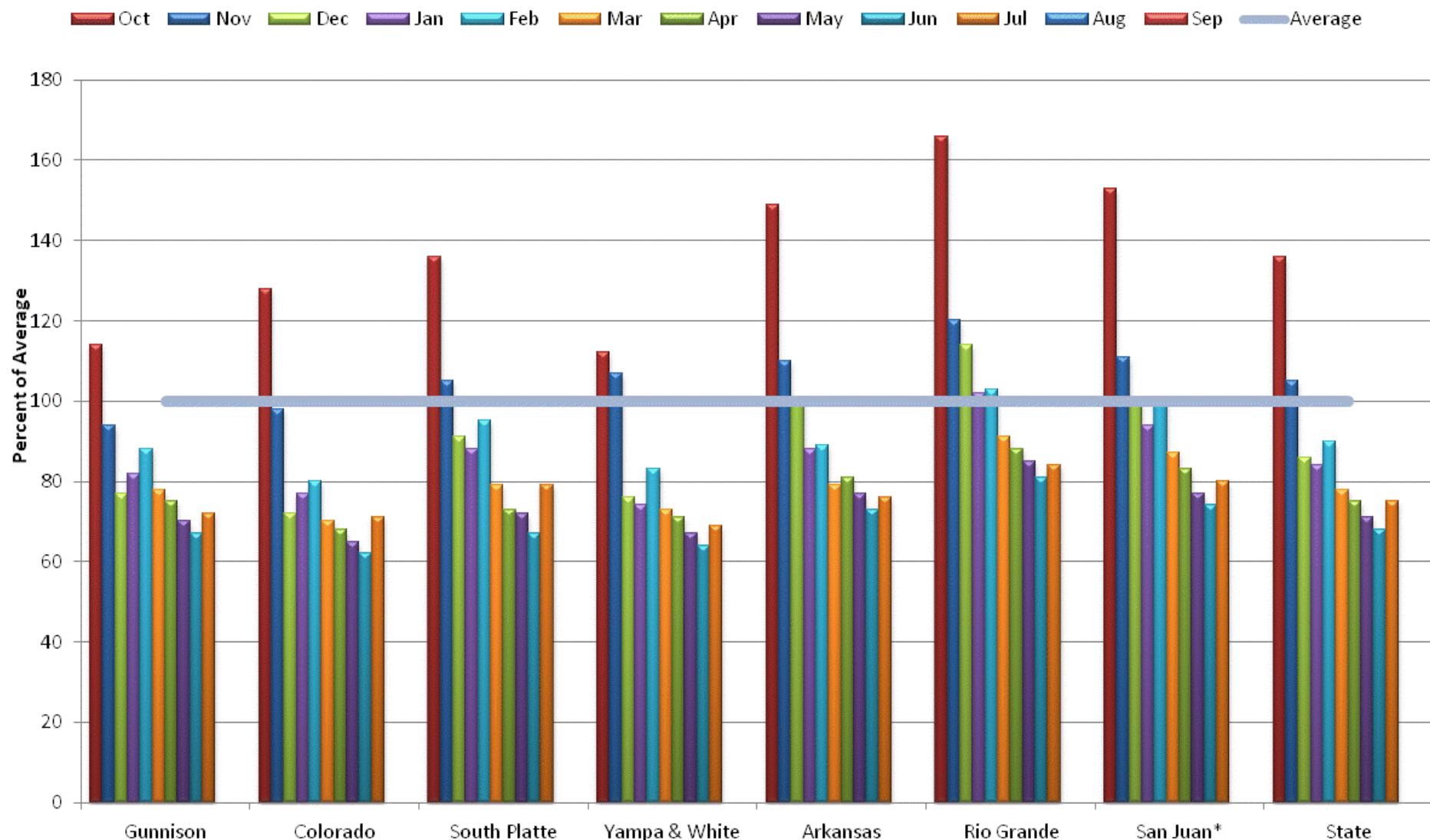


Colorado Surface Water Supply Index



Colorado Year-to-Date Precipitation Summary for WY2012

USDA Natural Resources Conservation Service



*Includes Animas, Dolores, San Miguel Basins

Summary

- This year's drought according to mountain precipitation is not as severe as 2002.
- July precipitation, although below average, was better than the last two months and nearly as “good” as April.
- Reservoirs in good standing may be persuading SWSIs.