



United States Department of Agriculture

Colorado Snow Surveys

Water Availability Task Force Meeting

June 21st, 2017

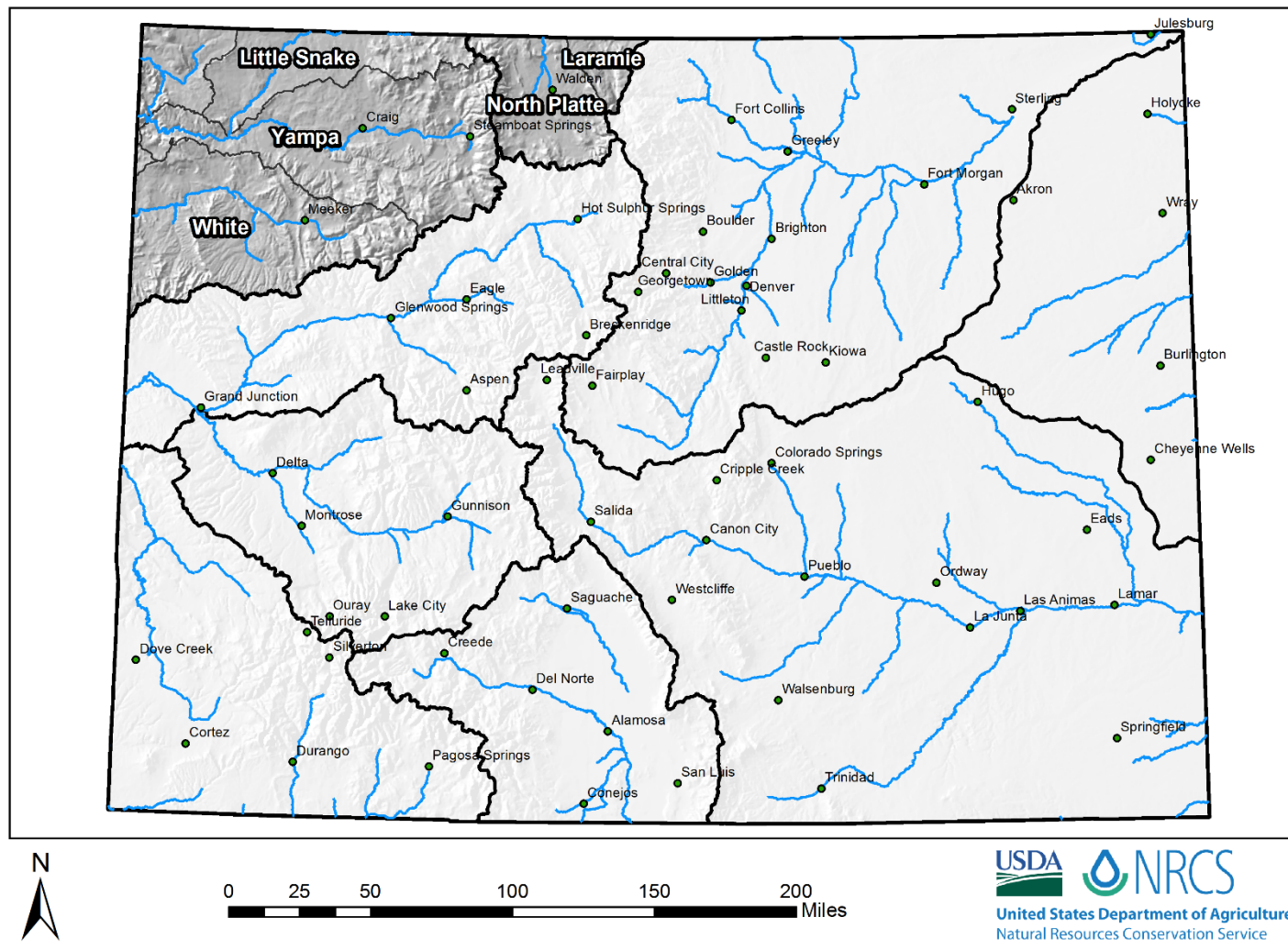
NRCS Snow Survey and Water Supply Forecasting Program

Brian Domonkos
Snow Survey Supervisor
720-544-2852

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

Major Basin Summary

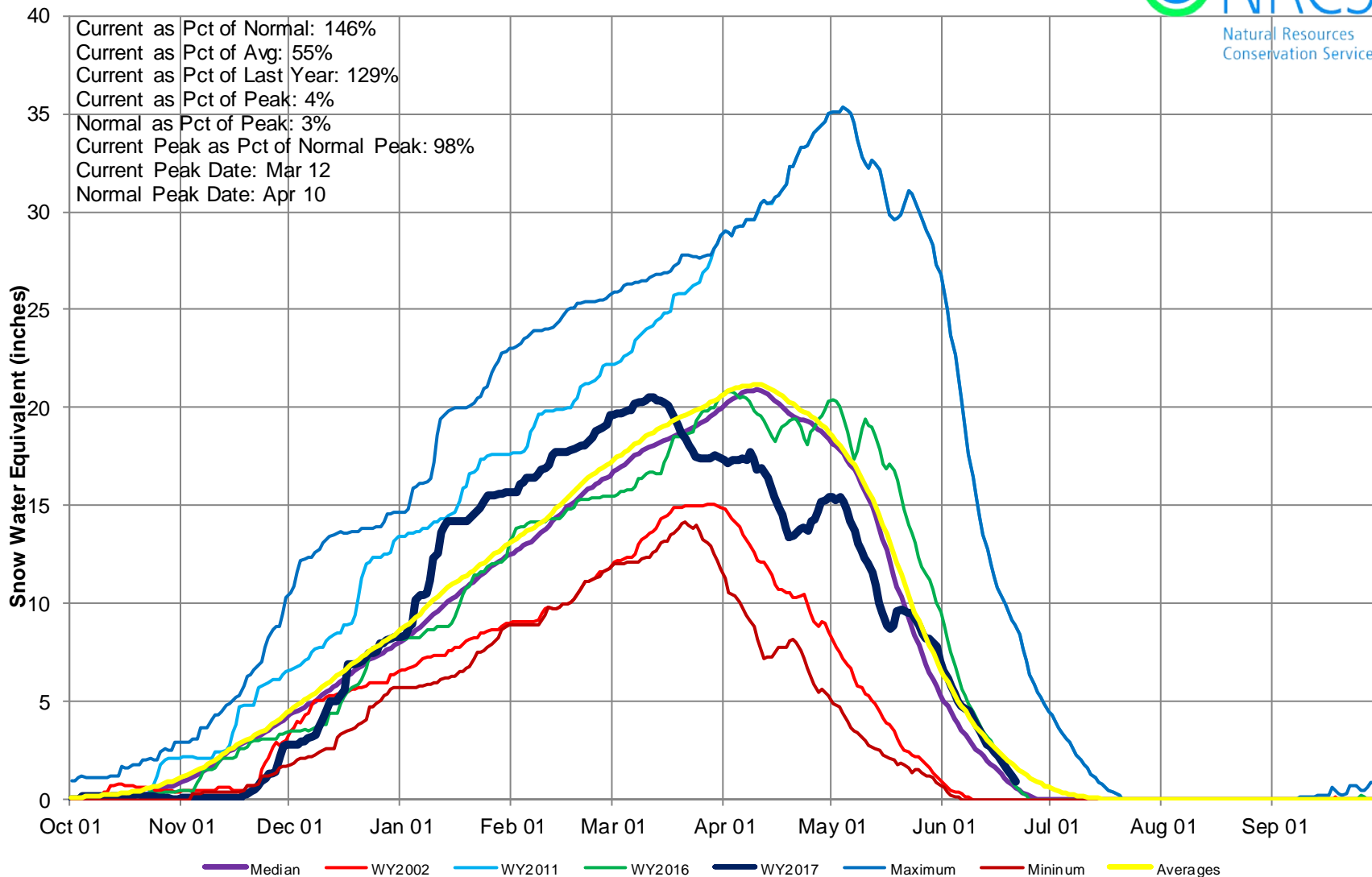
Yampa, White, and North Platte River Basins





Yampa and White River Basins High/Low Snowpack Summary

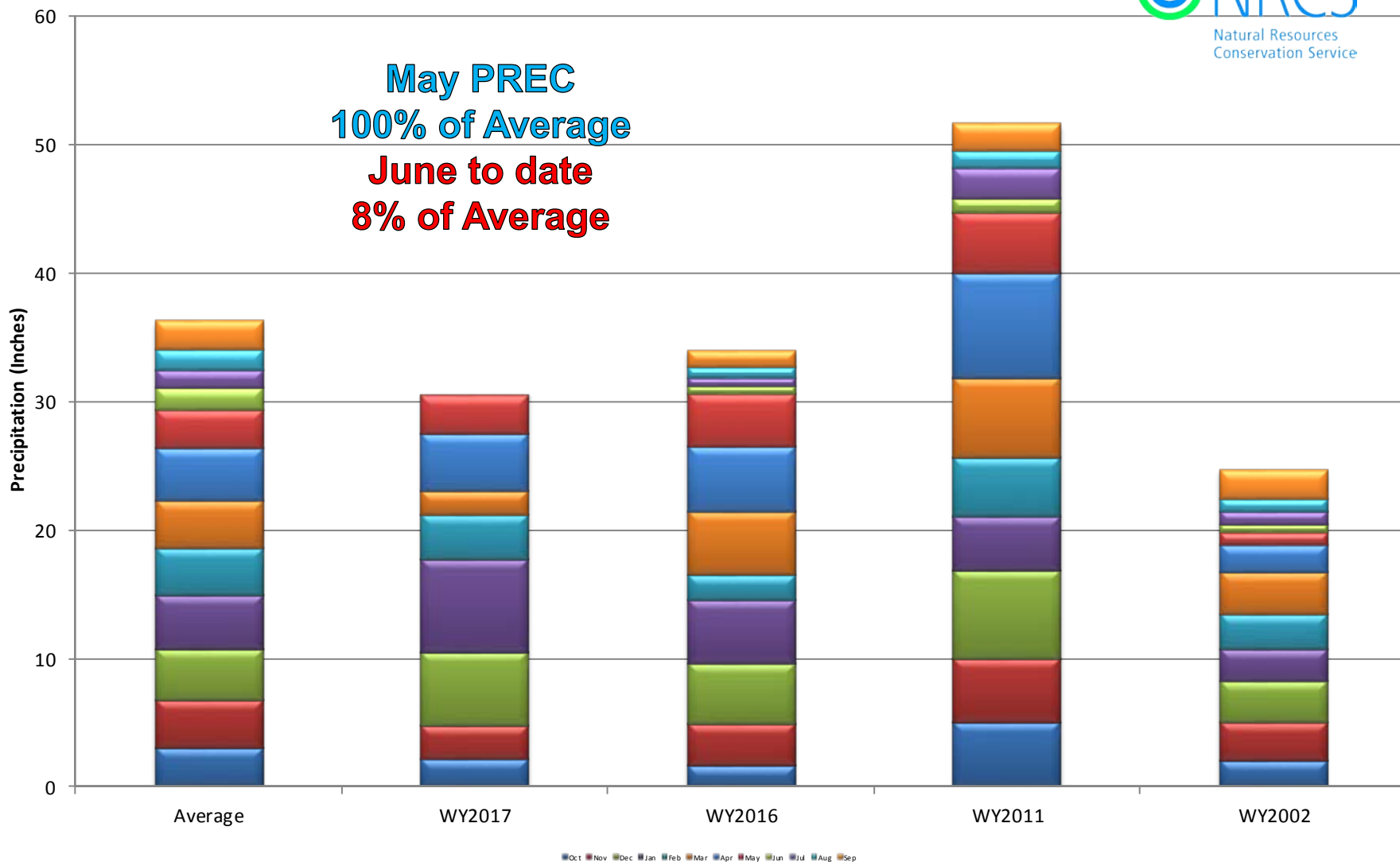
Based on Provisional SNOTEL data as of Jun 21, 2017



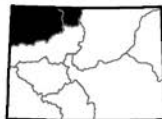
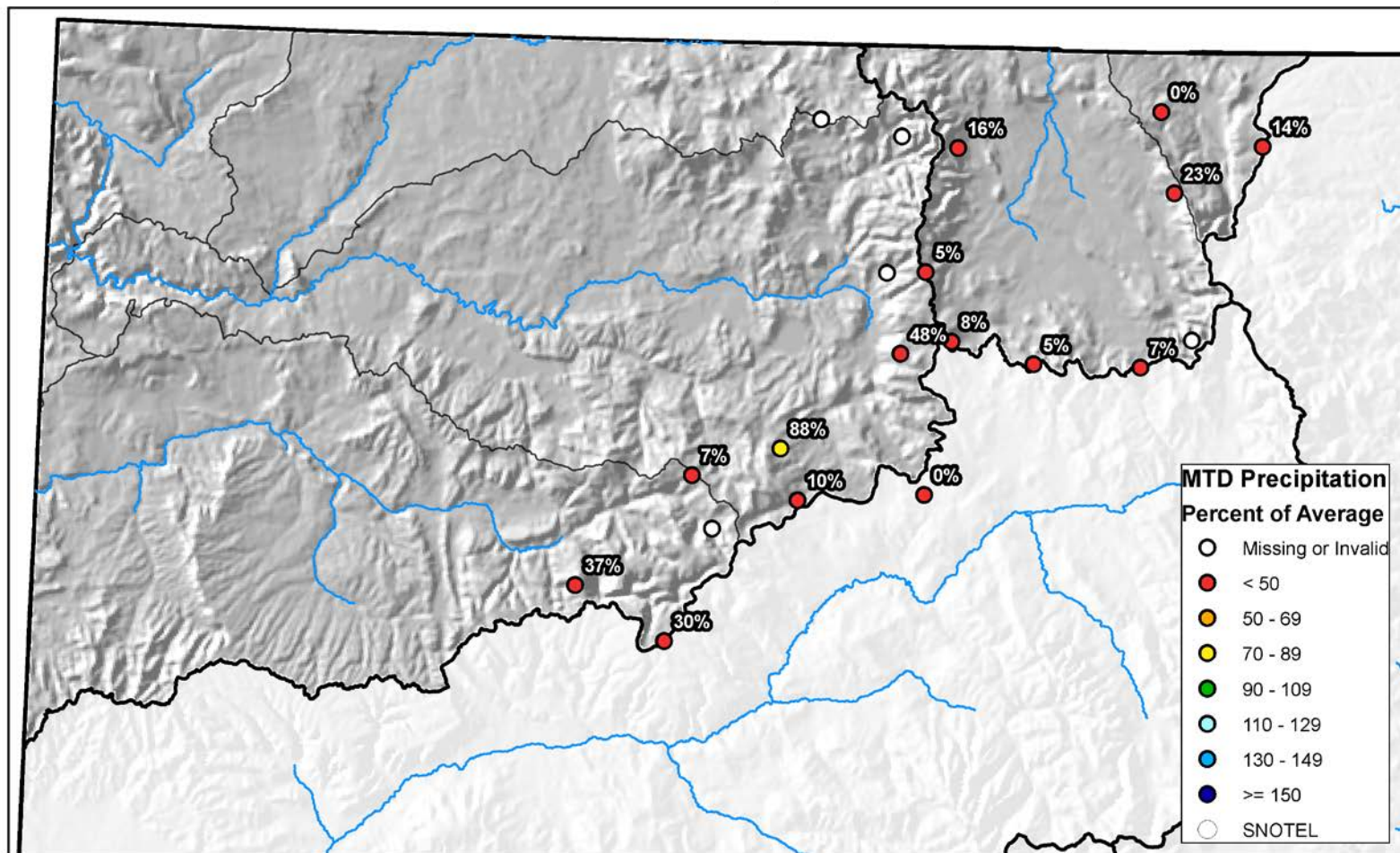


Yampa & White River Basins High/Low Monthly Precipitation Summary

Based on Provisional SNOTEL data as of Jun 21, 2017



Yampa, White, and North Platte River Basins Month to Date Precipitation Summary Current as of Jun 21, 2017

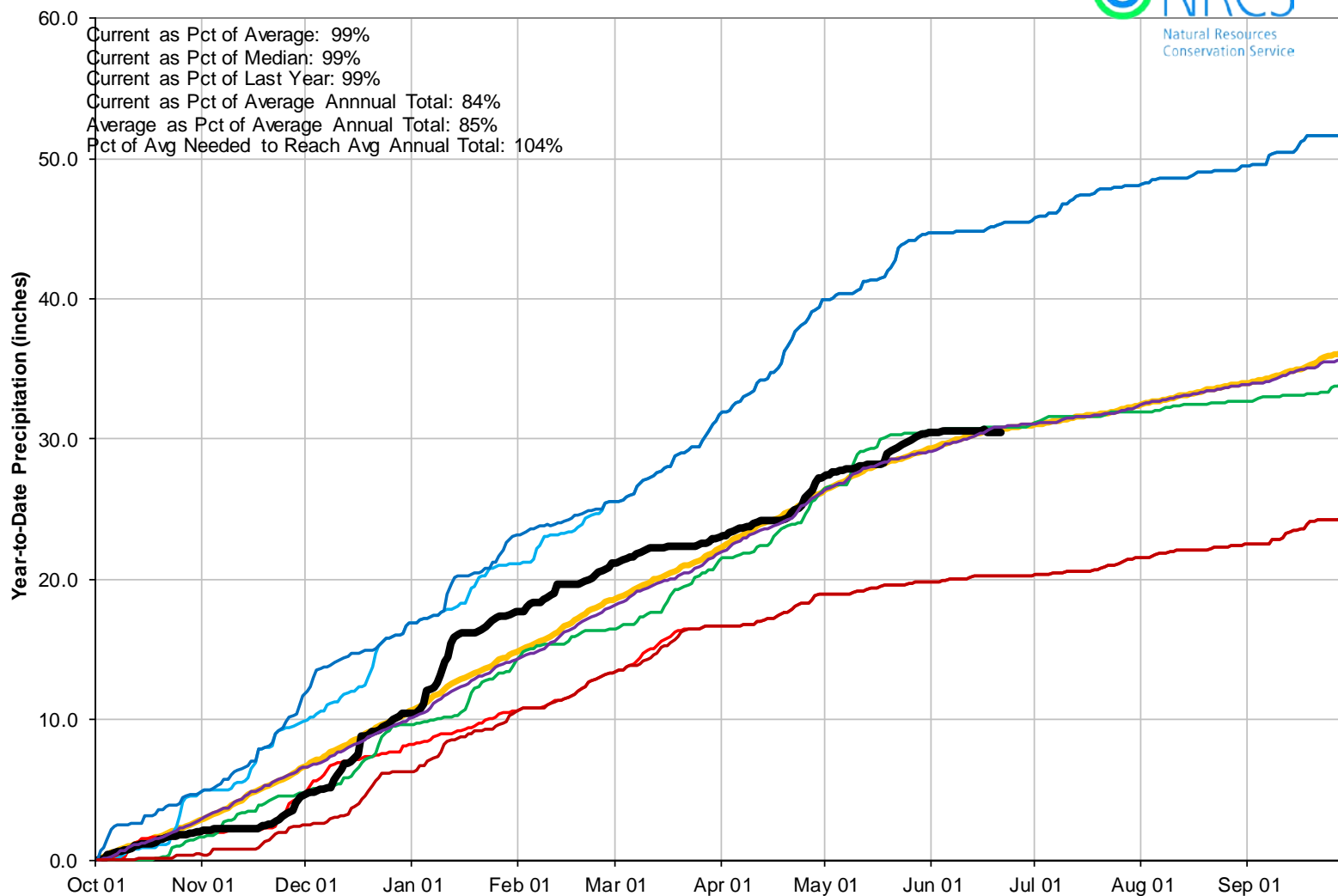


0 10 20 40 60 80 Miles

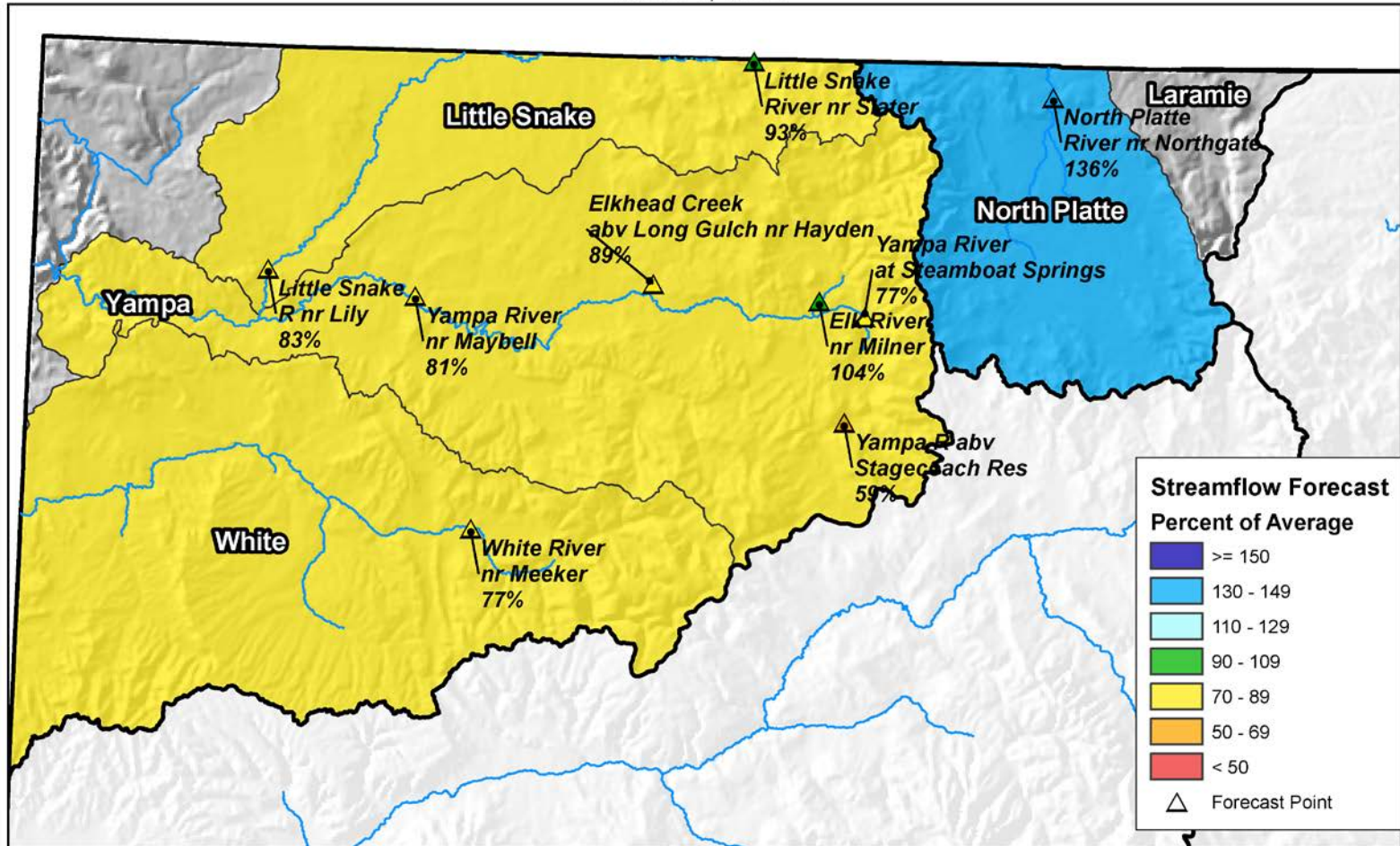


Yampa & White River Basins High/Low Year-to-Date Precipitation Summary

Based on Provisional SNOTEL data as of Jun 21, 2017



Yampa, White, and North Platte River Basins Streamflow Forecast Summary June 1, 2017

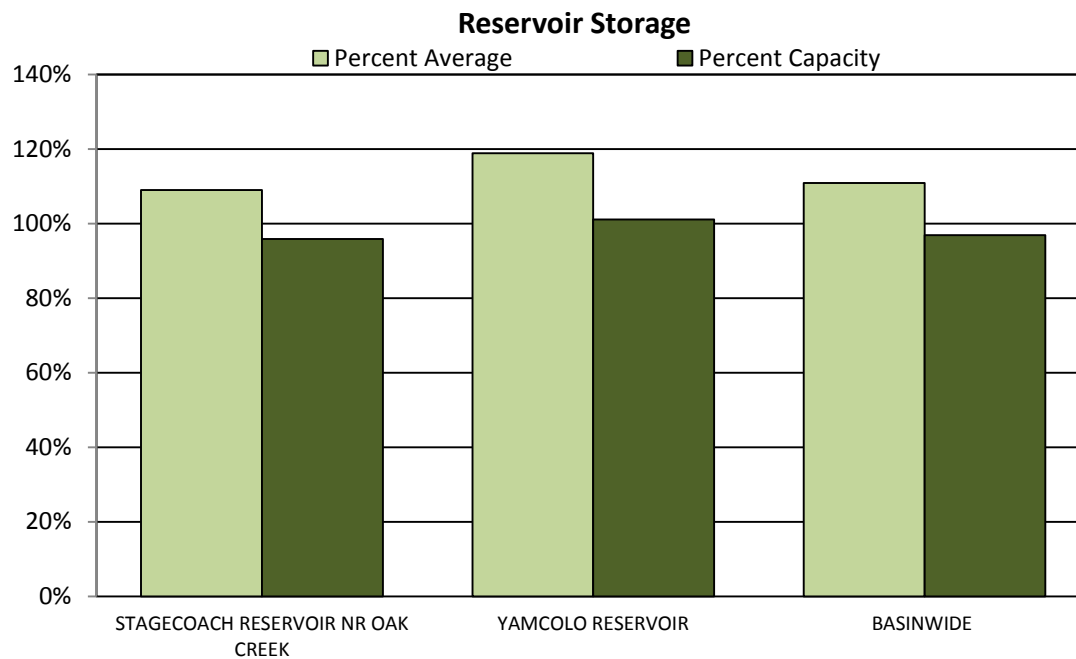


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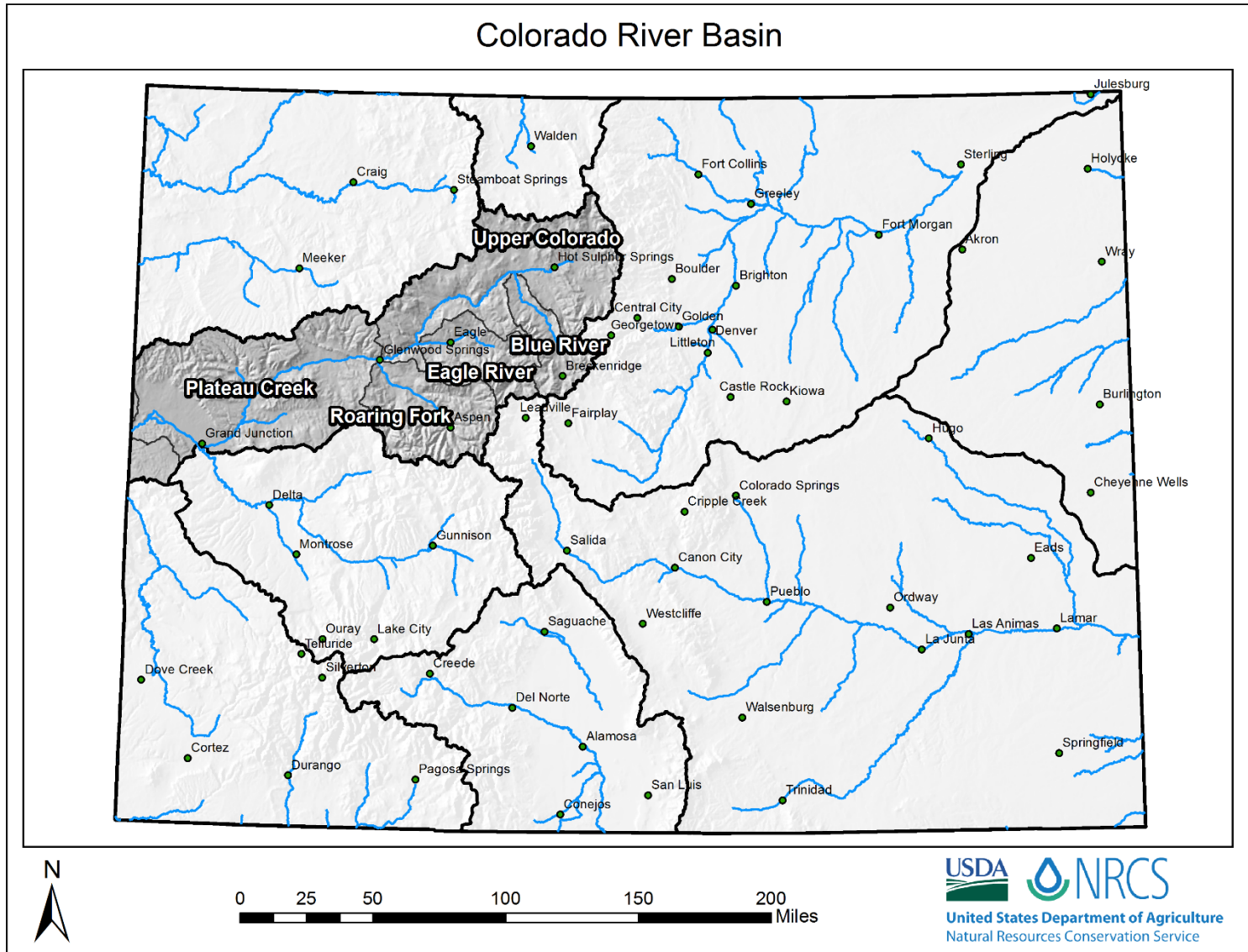


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Natural Resources Conservation Service



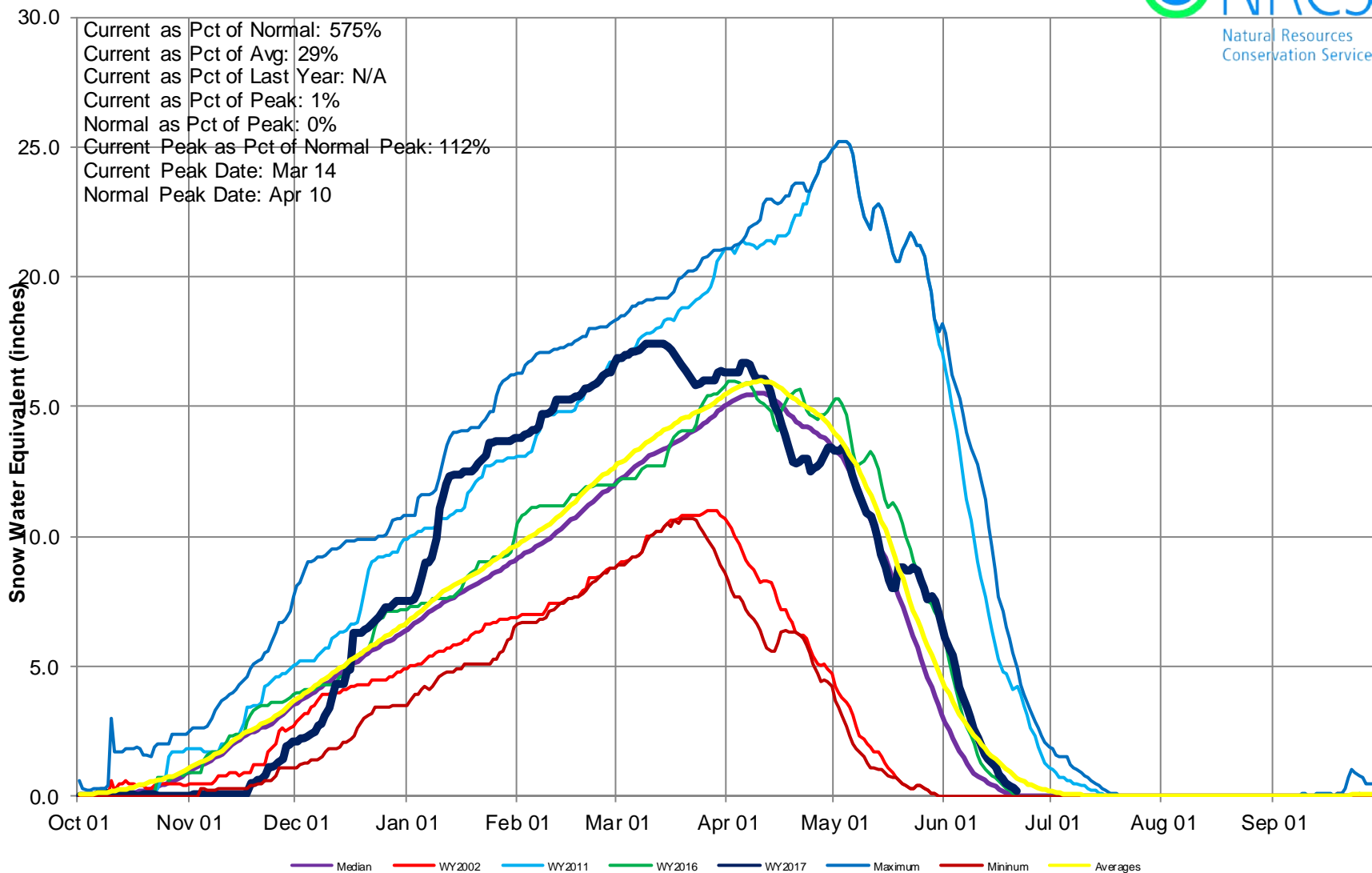
Major Basin Summary





Upper Colorado River Basin High/Low Snowpack Summary

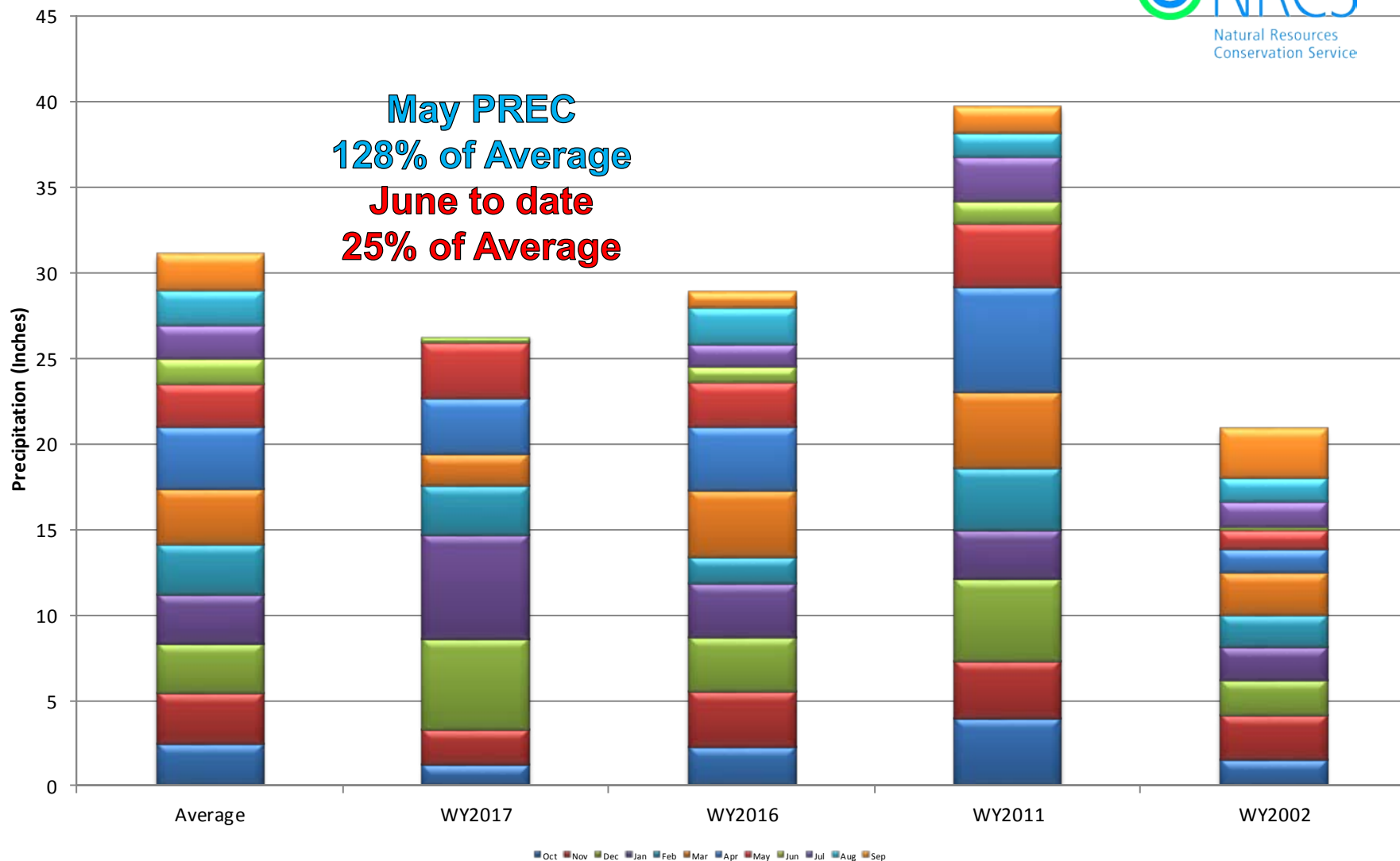
Based on Provisional SNOTEL data as of Jun 21, 2017





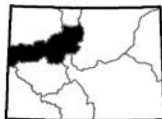
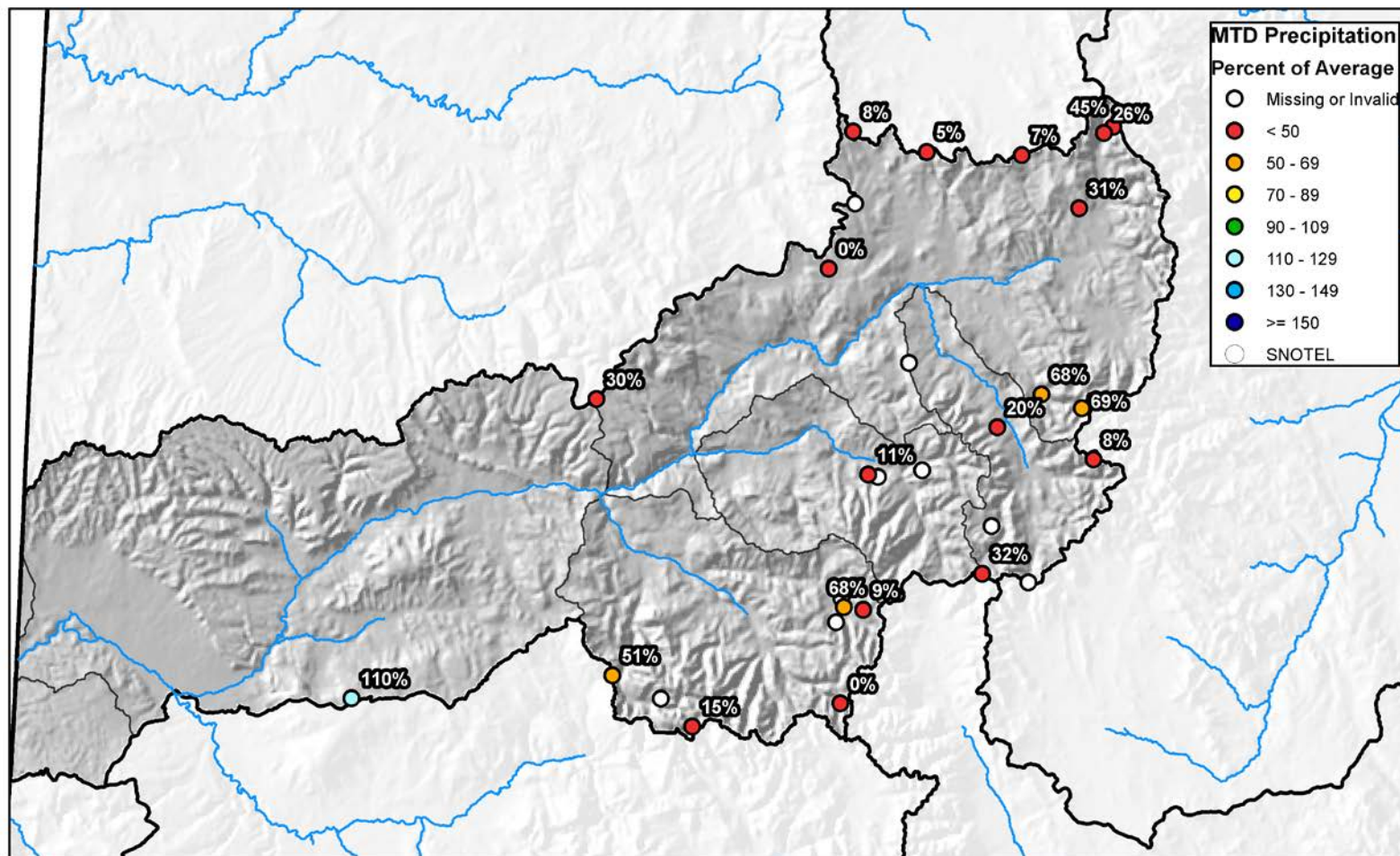
Upper Colorado River Basin High/Low Monthly Precipitation Summary

Based on Provisional SNOTEL data as of Jun 21, 2017



Upper Colorado River Basin Month to Date Precipitation Summary

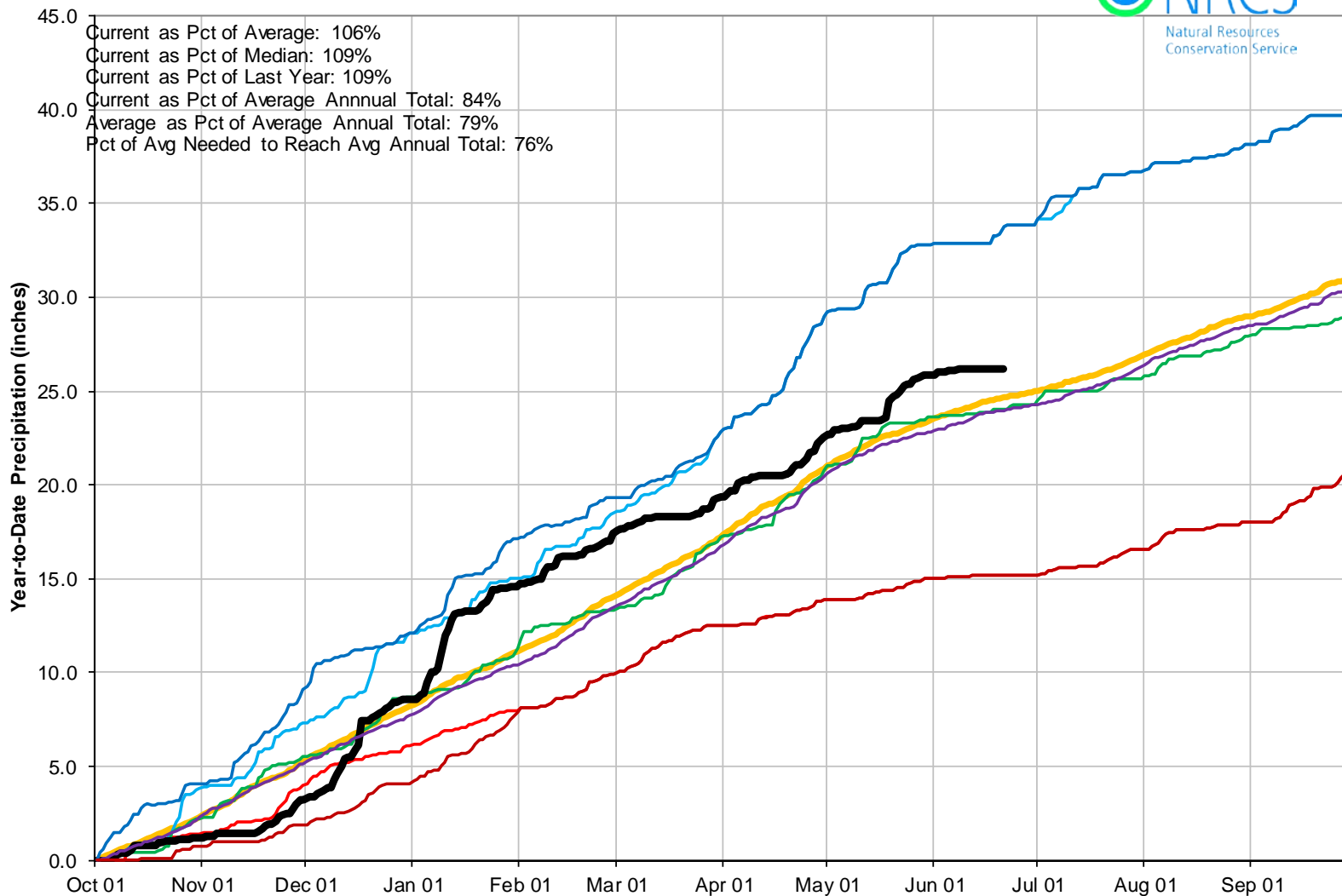
Current as of Jun 21, 2017





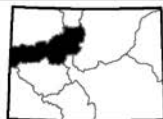
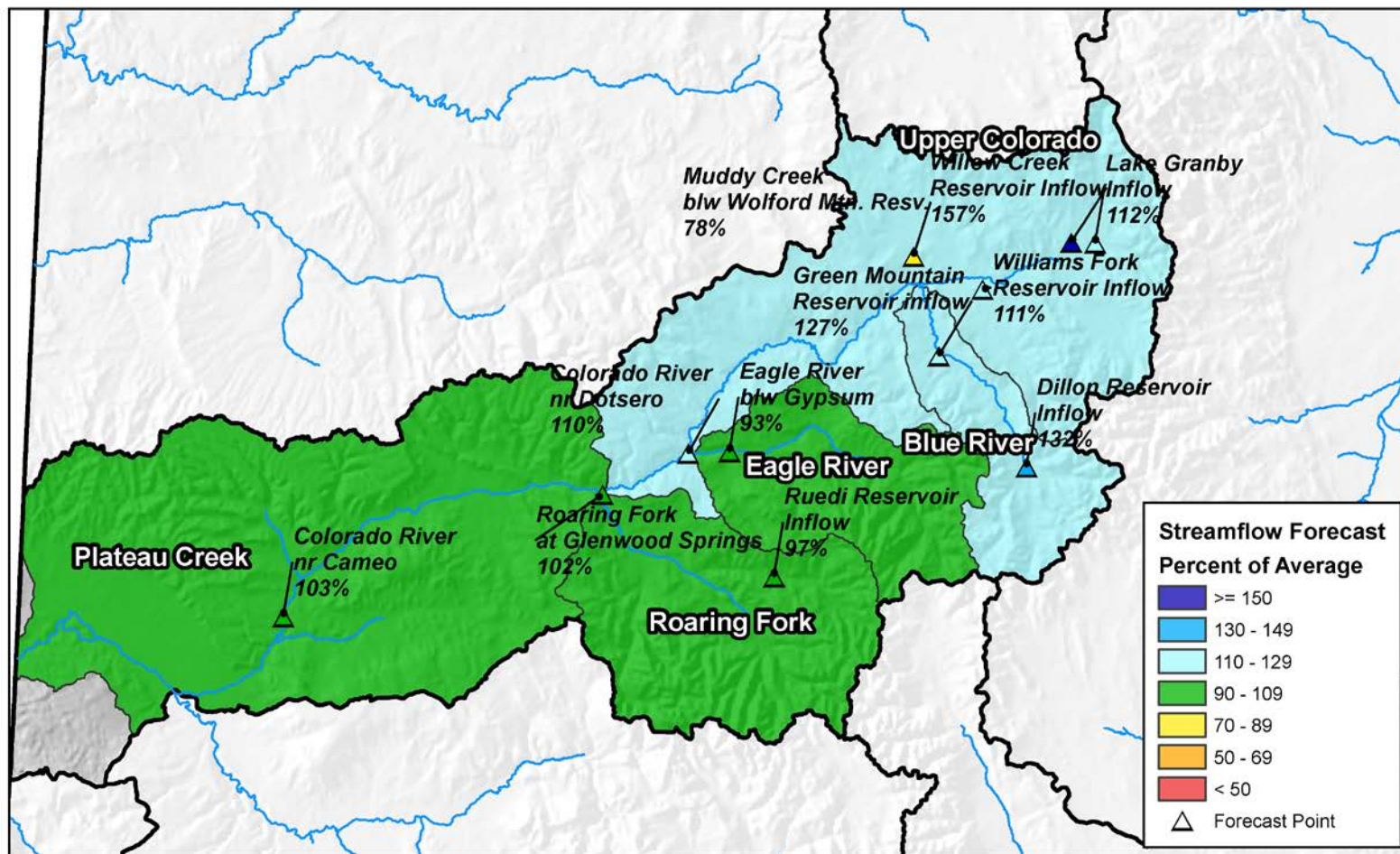
Upper Colorado River Basin High/Low Year-to-Date Precipitation Summary

Based on Provisional SNOTEL data as of Jun 21, 2017



Upper Colorado River Basin Streamflow Forecast Summary

June 1, 2017



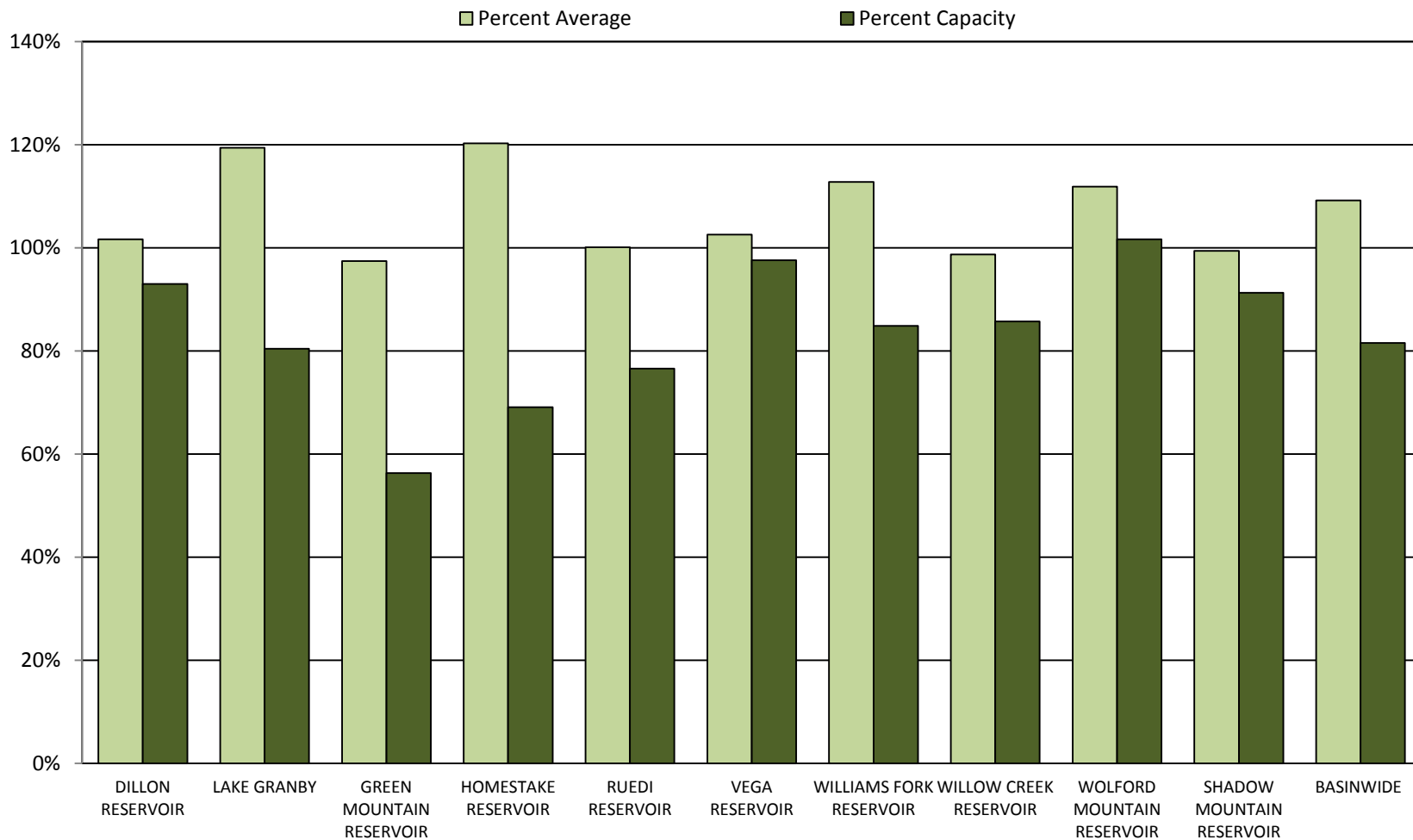
0 10 20 40 60 80 Miles



United States Department of Agriculture

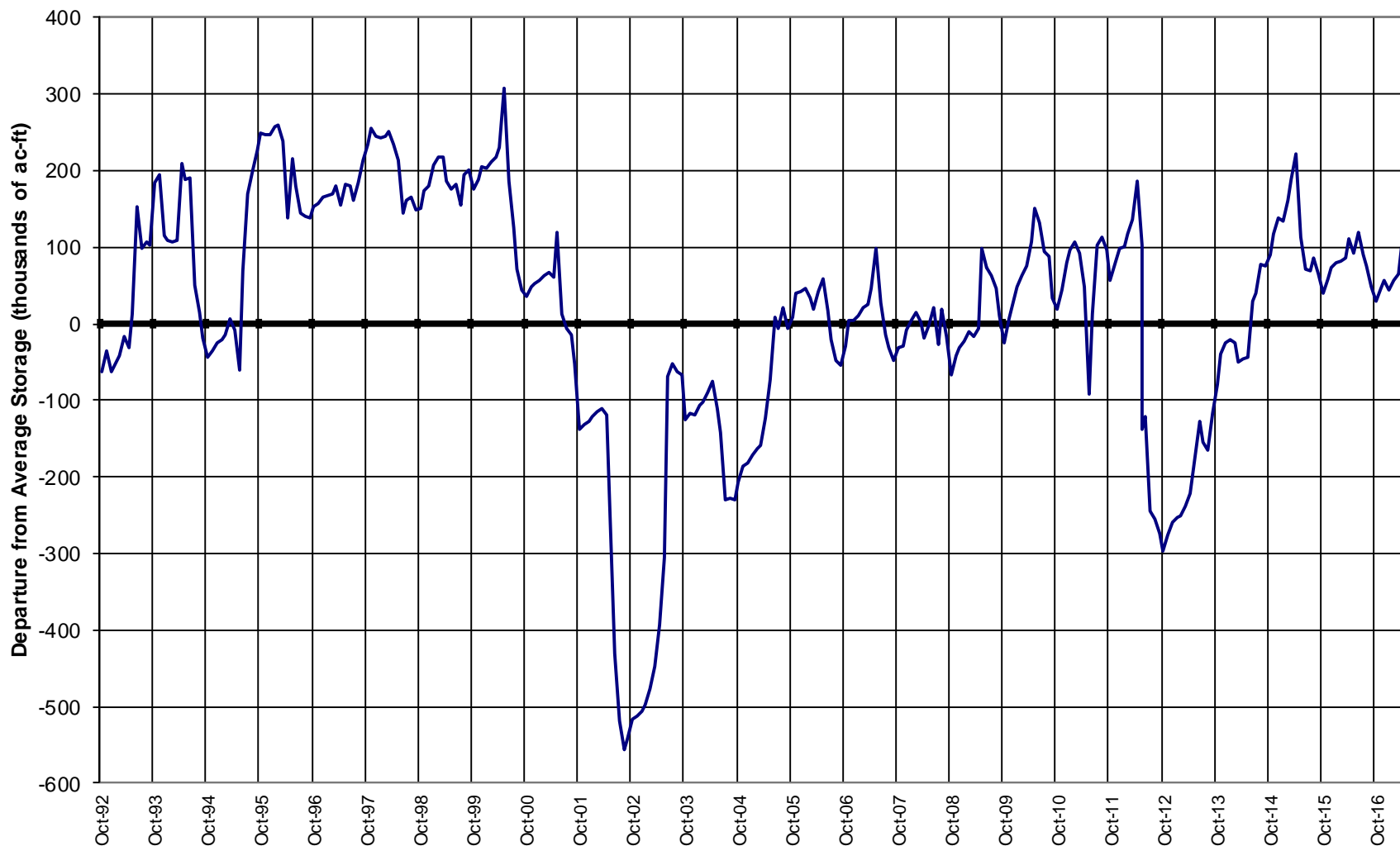
Natural Resources Conservation Service

Reservoir Storage





COLORADO RIVER BASIN Reservoir Storage Departure from Average



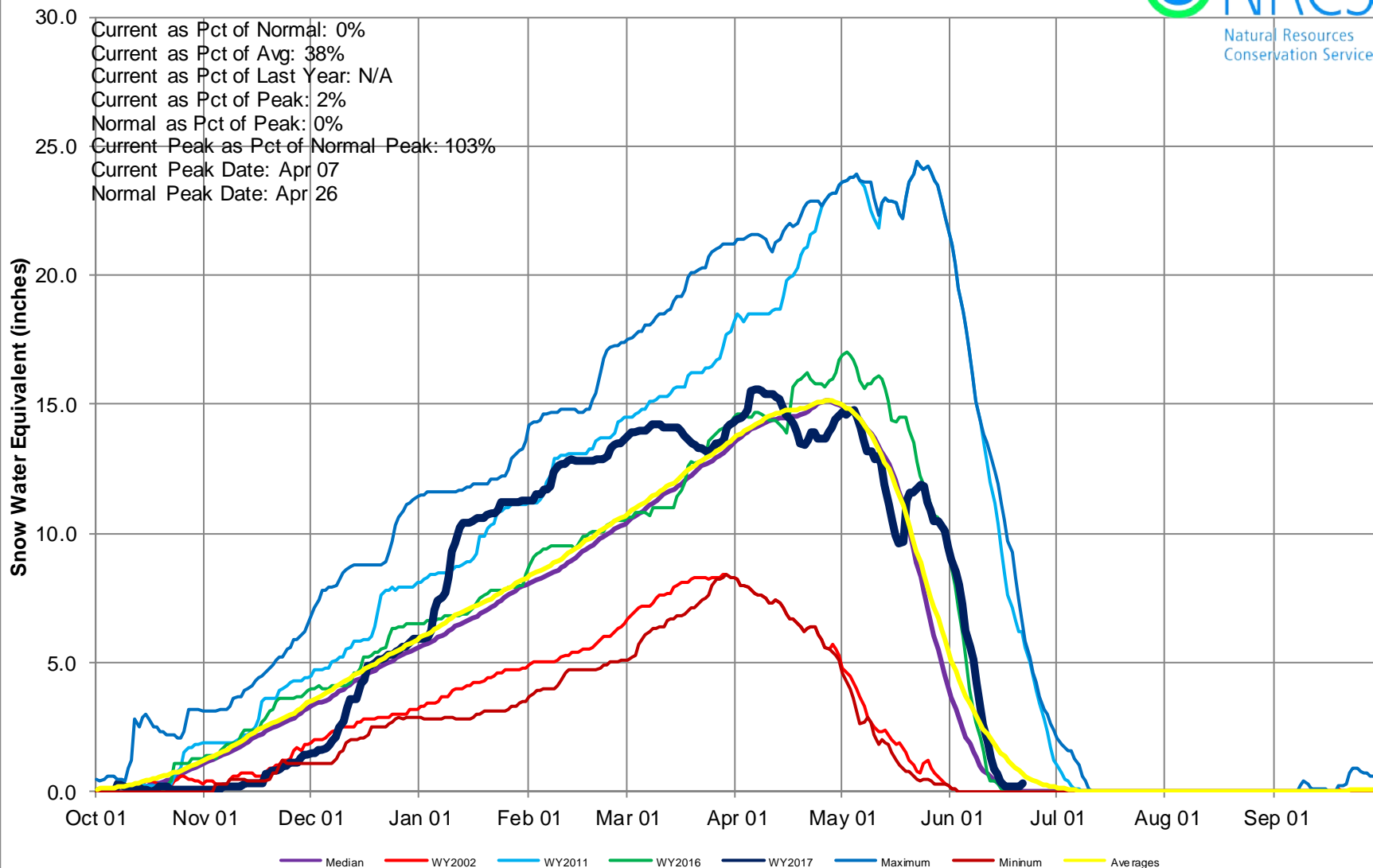
A map of Colorado showing its major river basins and cities. The basins are labeled in bold black text: Cache La Poudre, Big Thompson, Boulder-St Vrain, Clear Creek, and Upper South Platte. The map uses a light gray background for the state, with black outlines for county boundaries. Blue lines represent the major river networks. Green dots indicate the locations of various cities. The cities are labeled with black text. The map shows the distribution of water resources across the state, with the Upper South Platte basin being the largest and most central. The Clear Creek basin is located in the central-eastern part of the state, and the Boulder-St Vrain basin is in the north-central part. The Big Thompson basin is in the northwestern part, and the Cache La Poudre basin is in the northern part. The Upper South Platte basin covers the southern and eastern parts of the state.





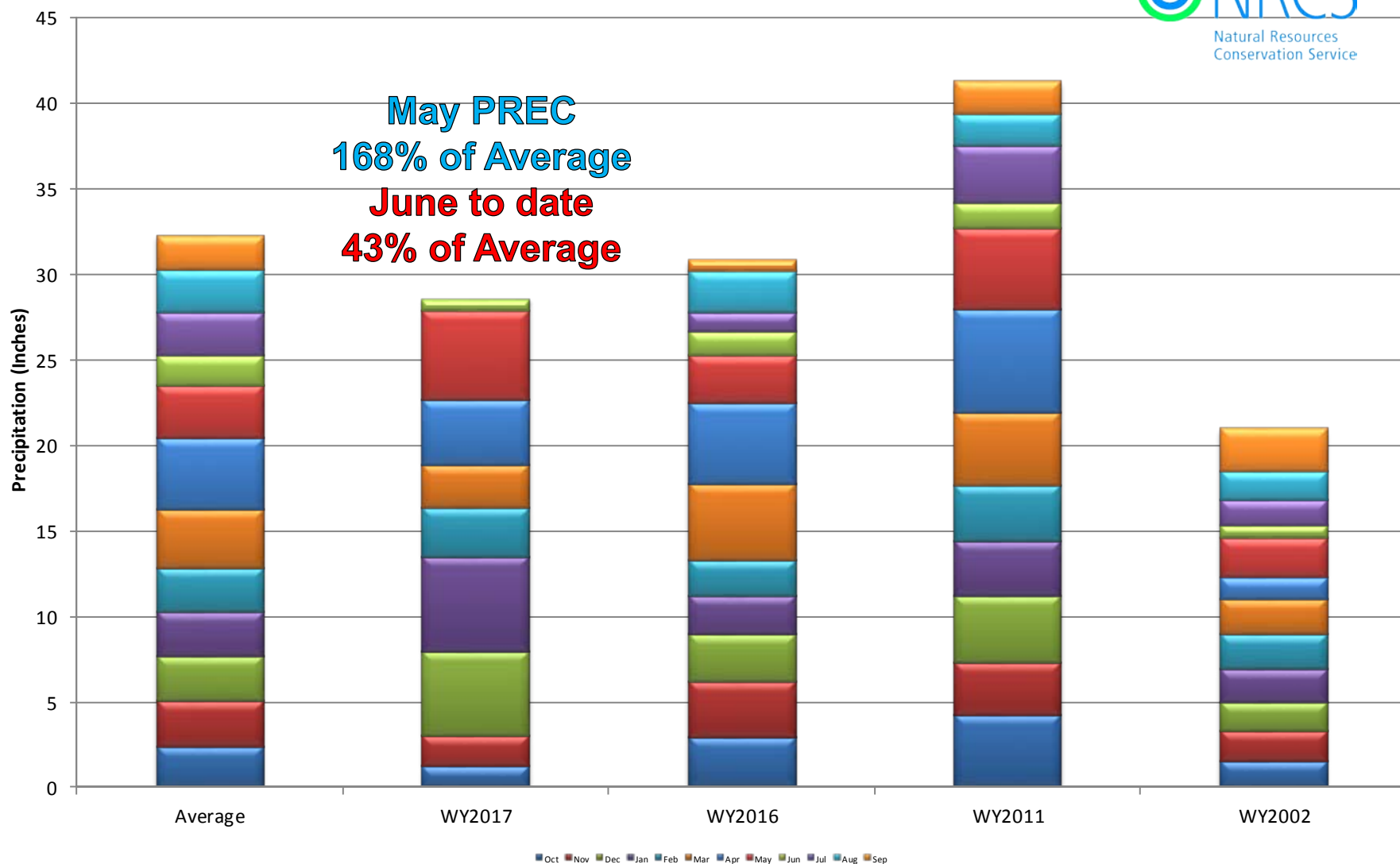
South Platte River Basin High/Low Snowpack Summary

Based on Provisional SNOTEL data as of Jun 21, 2017



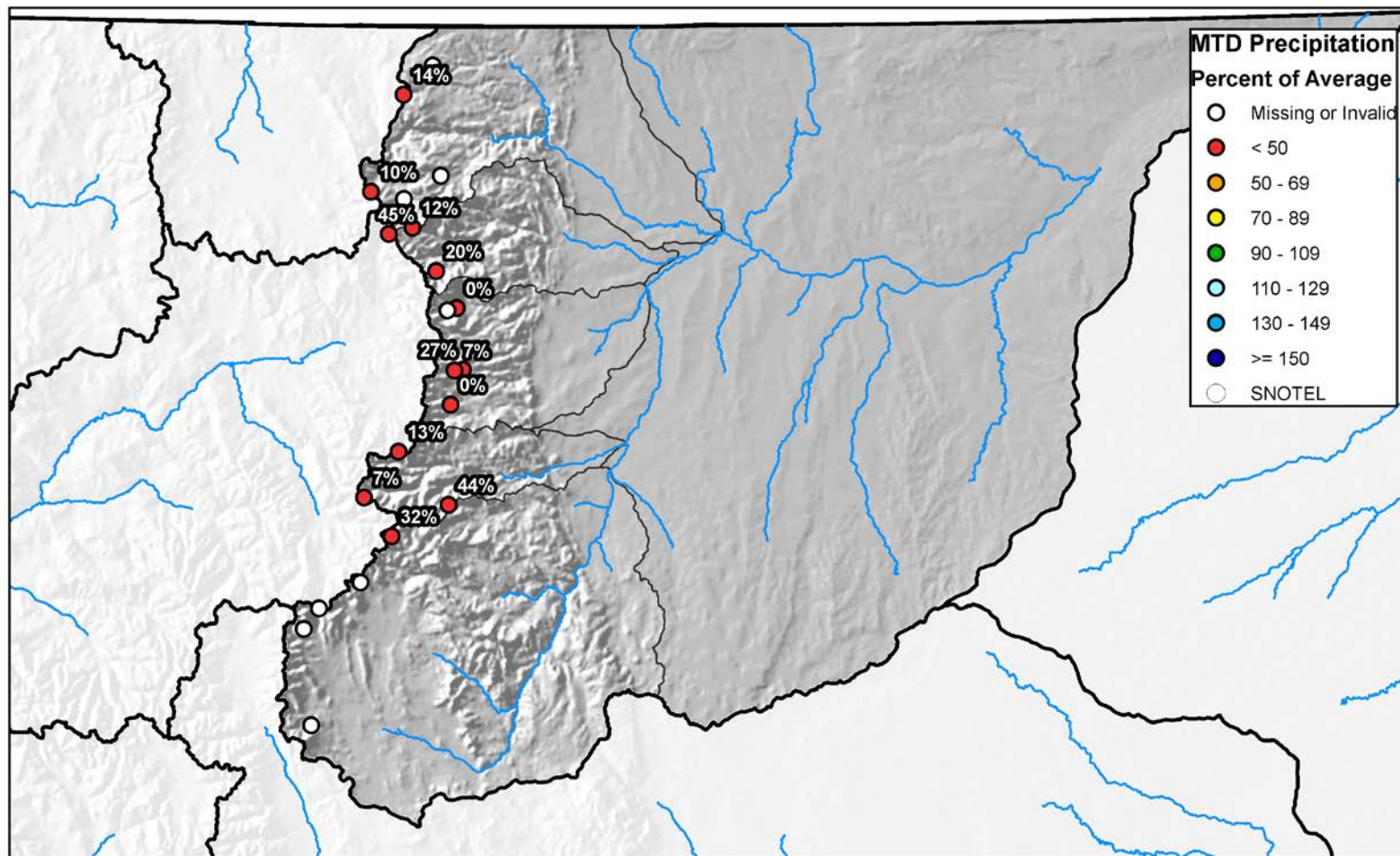
South Platte River Basin High/Low Monthly Precipitation Summary

Based on Provisional SNOTEL data as of Jun 21, 2017



South Platte River Basin Month to Date Precipitation Summary

Current as of Jun 21, 2017

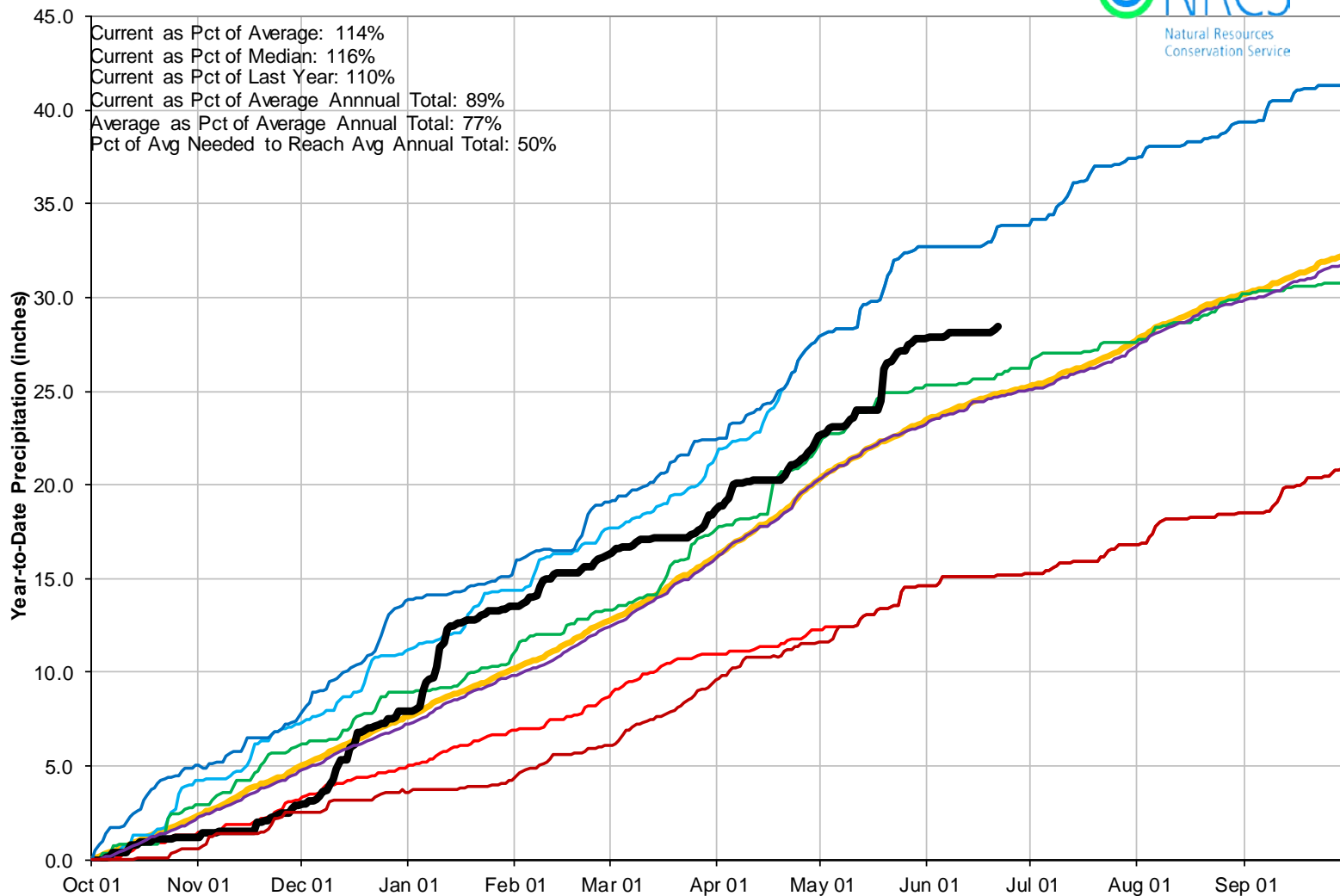


0 10 20 40 60 80 Miles



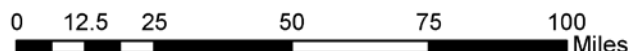
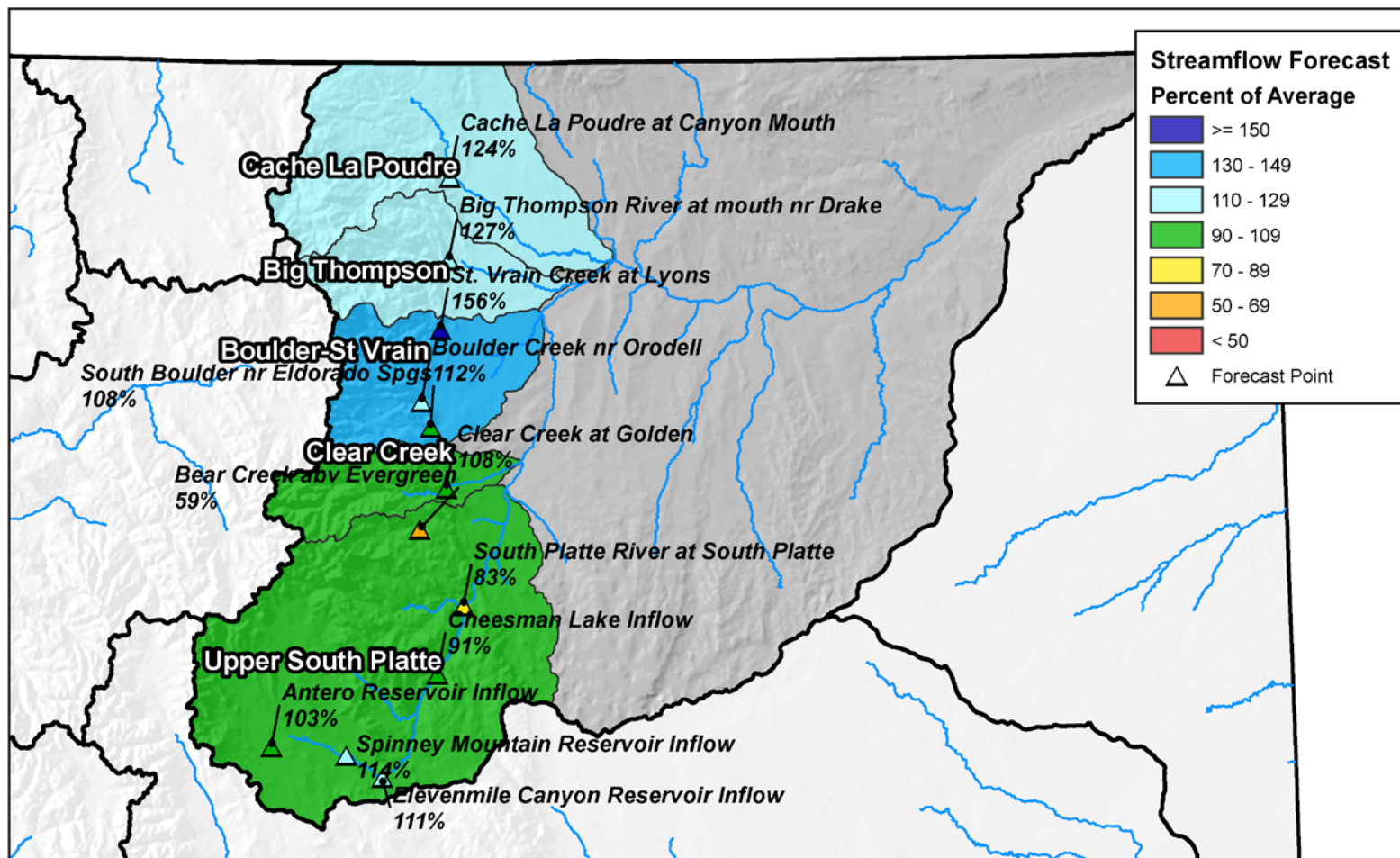
South Platte River Basin High/Low Year-to-Date Precipitation Summary

Based on Provisional SNOTEL data as of Jun 21, 2017

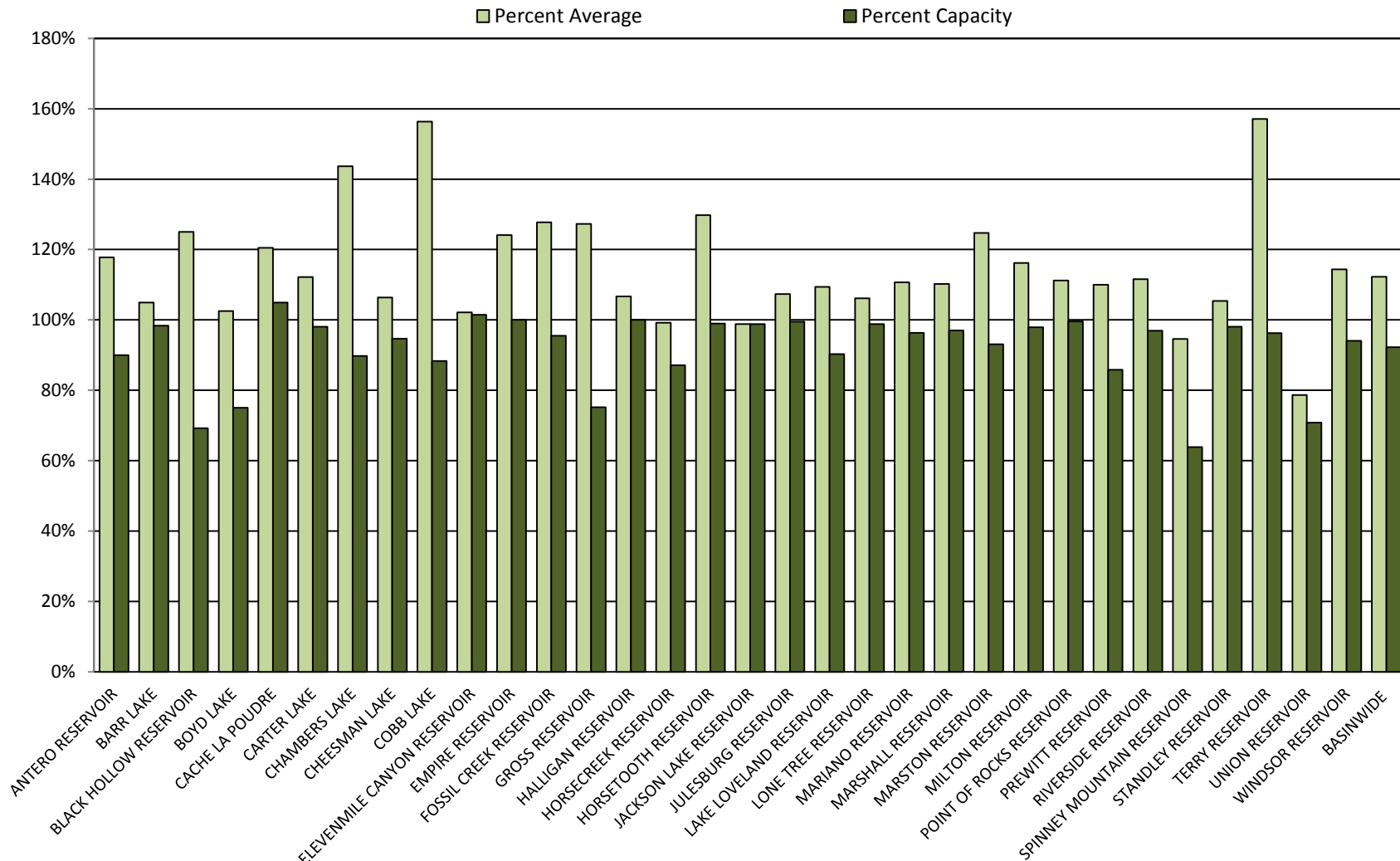


South Platte River Basin Streamflow Forecast Summary

June 1, 2017

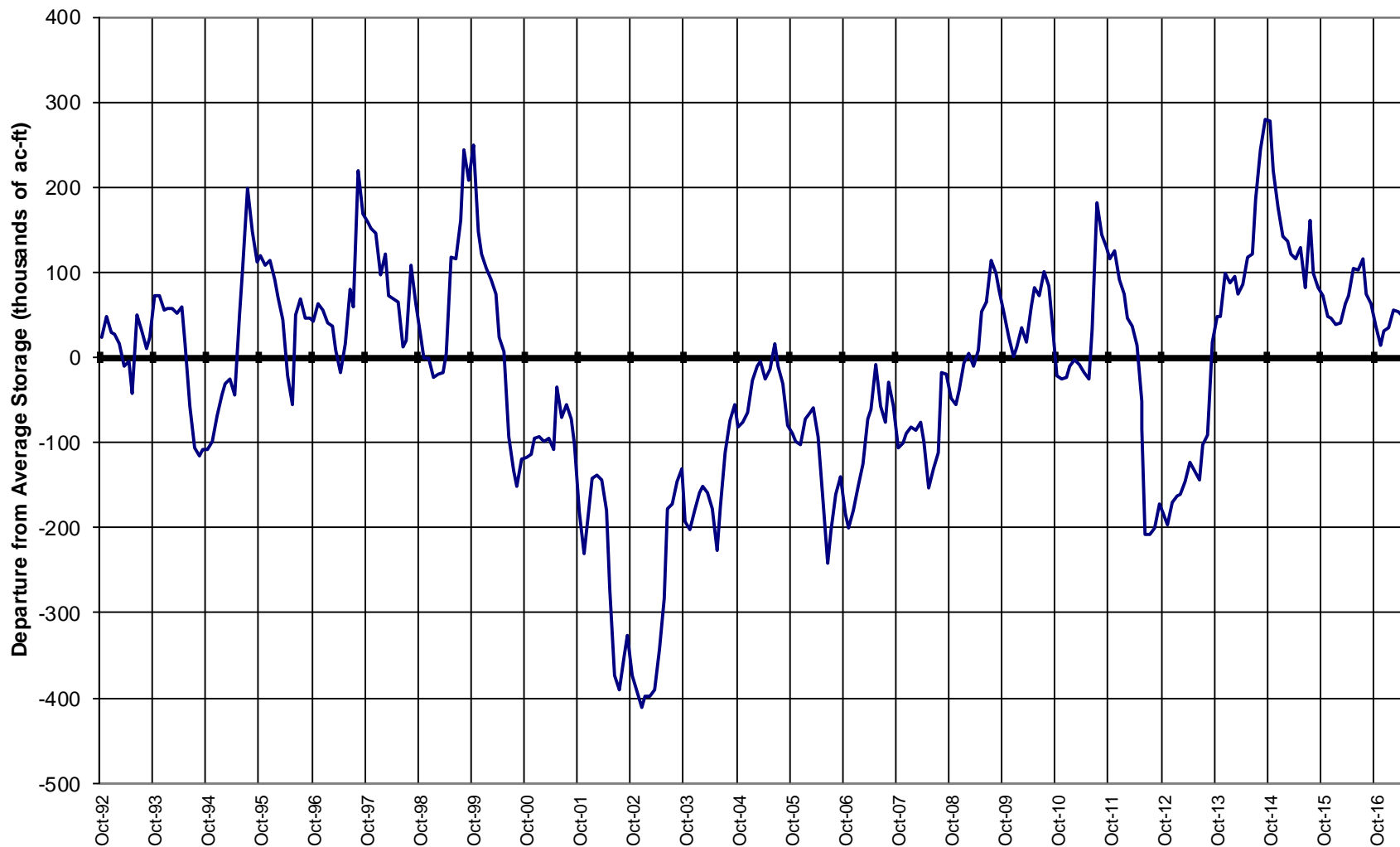


Reservoir Storage



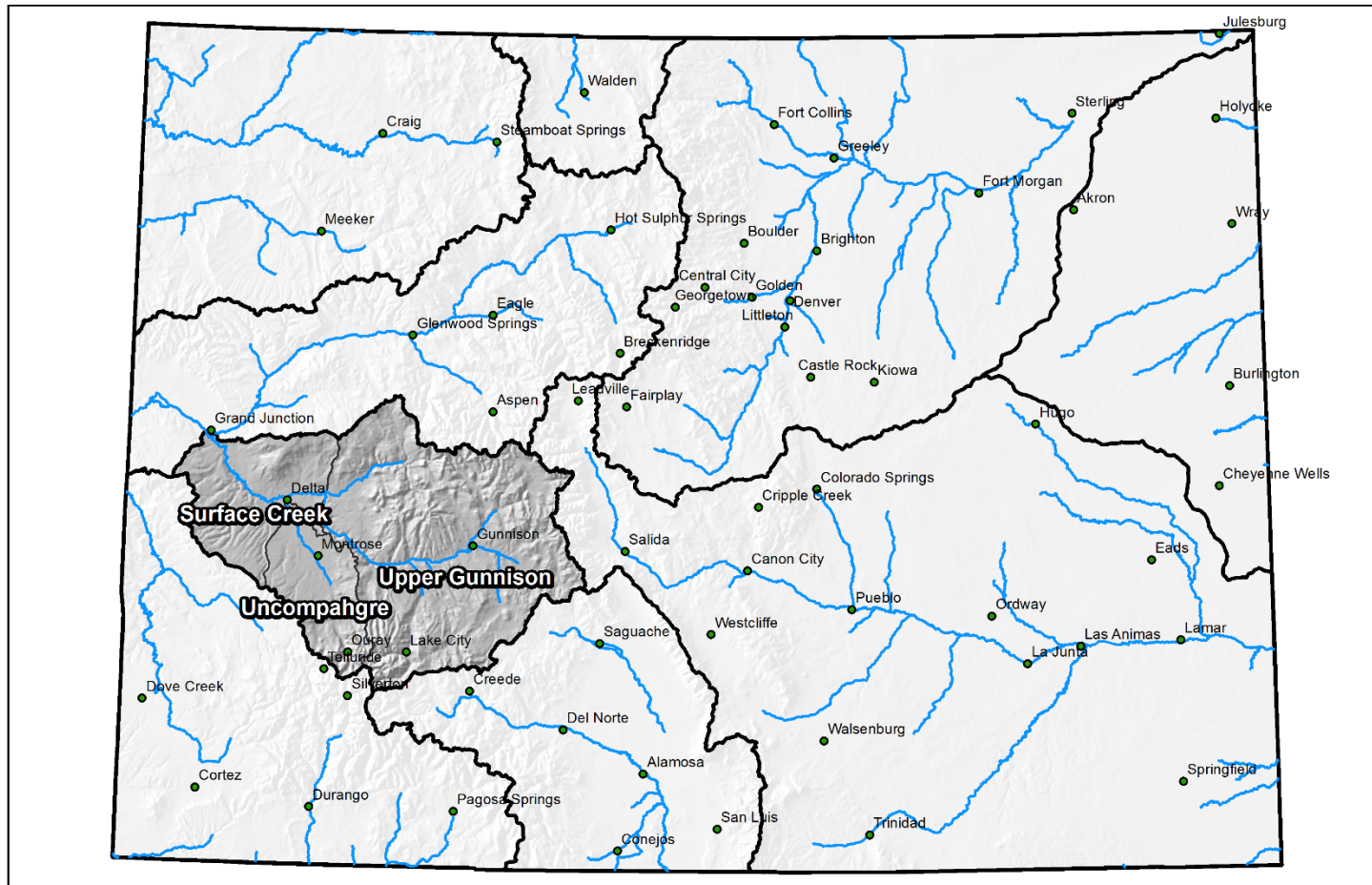


SOUTH PLATTE RIVER BASIN Reservoir Storage Departure from Average



Major Basin Summary

Gunnison River Basin

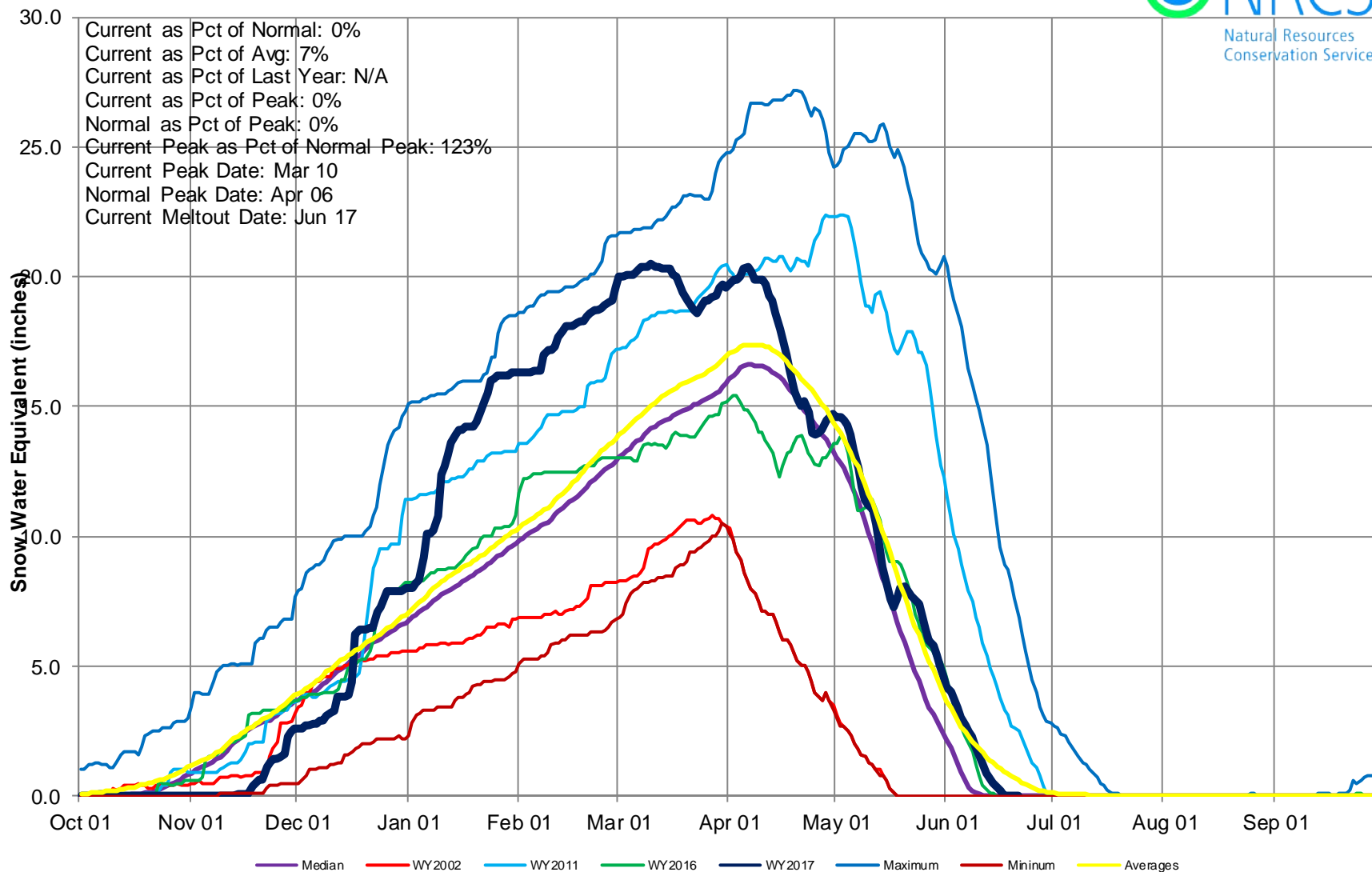


0 25 50 100 150 200 Miles



Gunnison River Basin High/Low Snowpack Summary

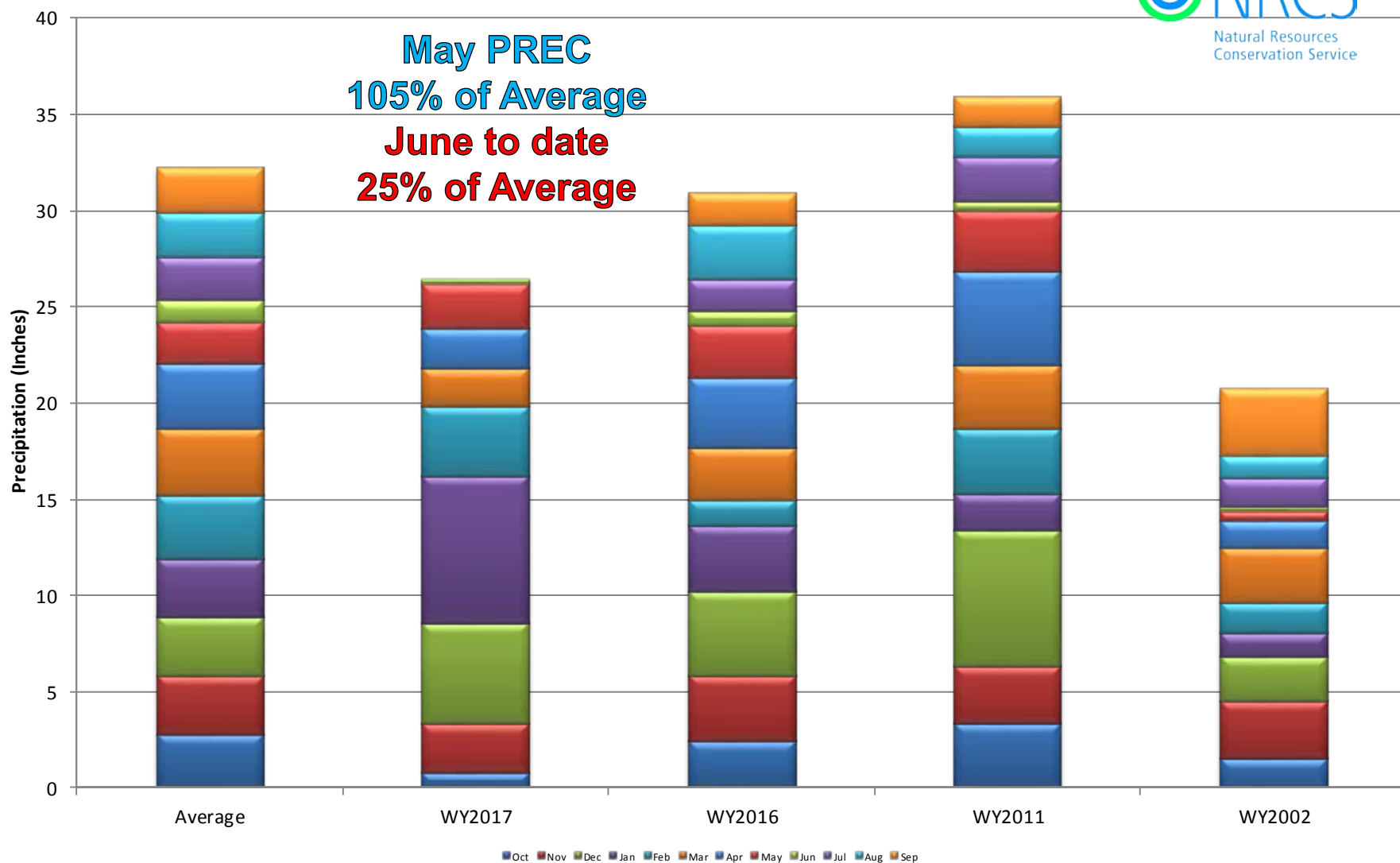
Based on Provisional SNOTEL data as of Jun 21, 2017





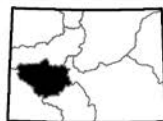
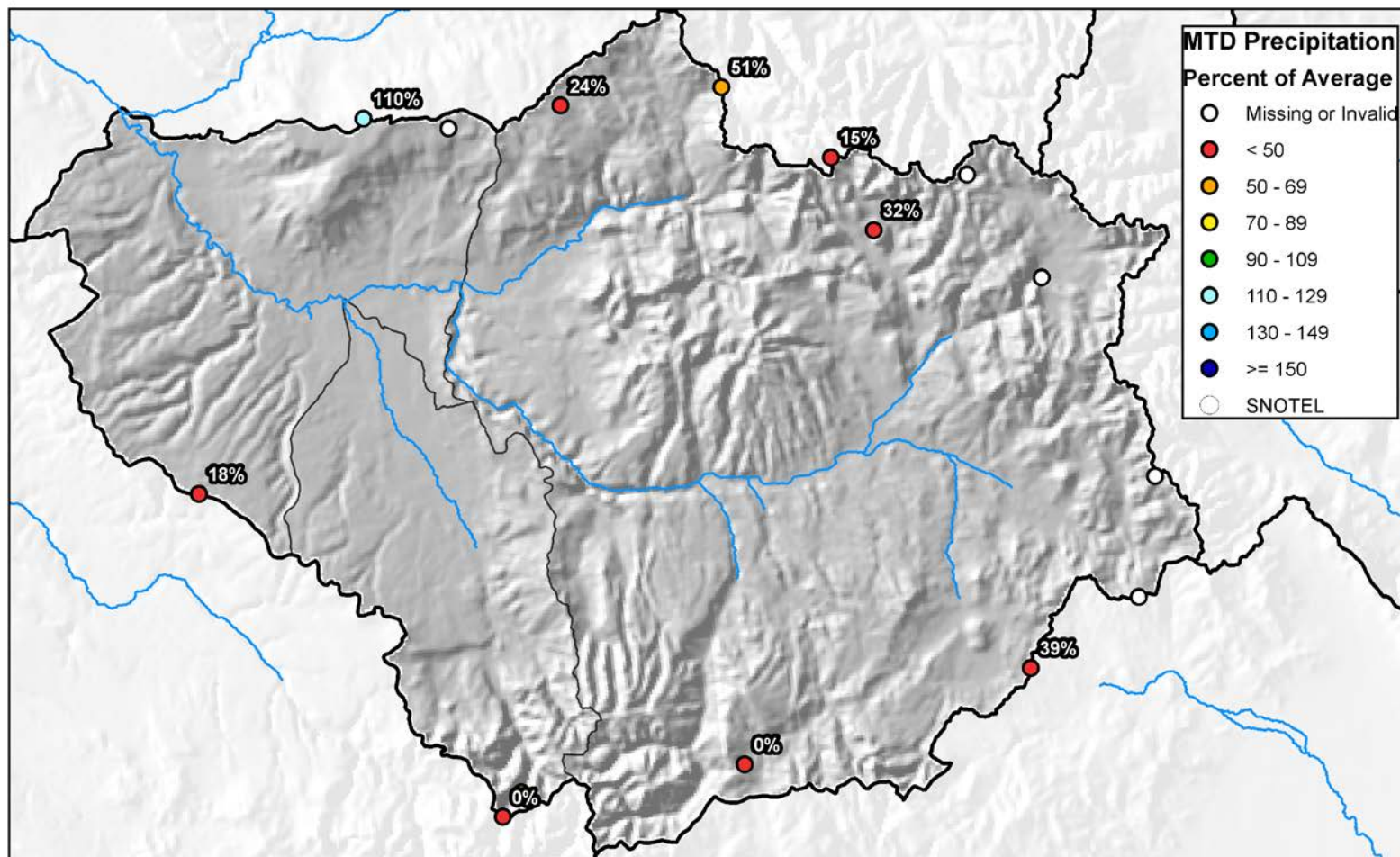
Gunnison River Basin High/Low Monthly Precipitation Summary

Based on Provisional SNOTEL data as of Jun 21, 2017



Gunnison River Basin Month to Date Precipitation Summary

Current as of Jun 21, 2017

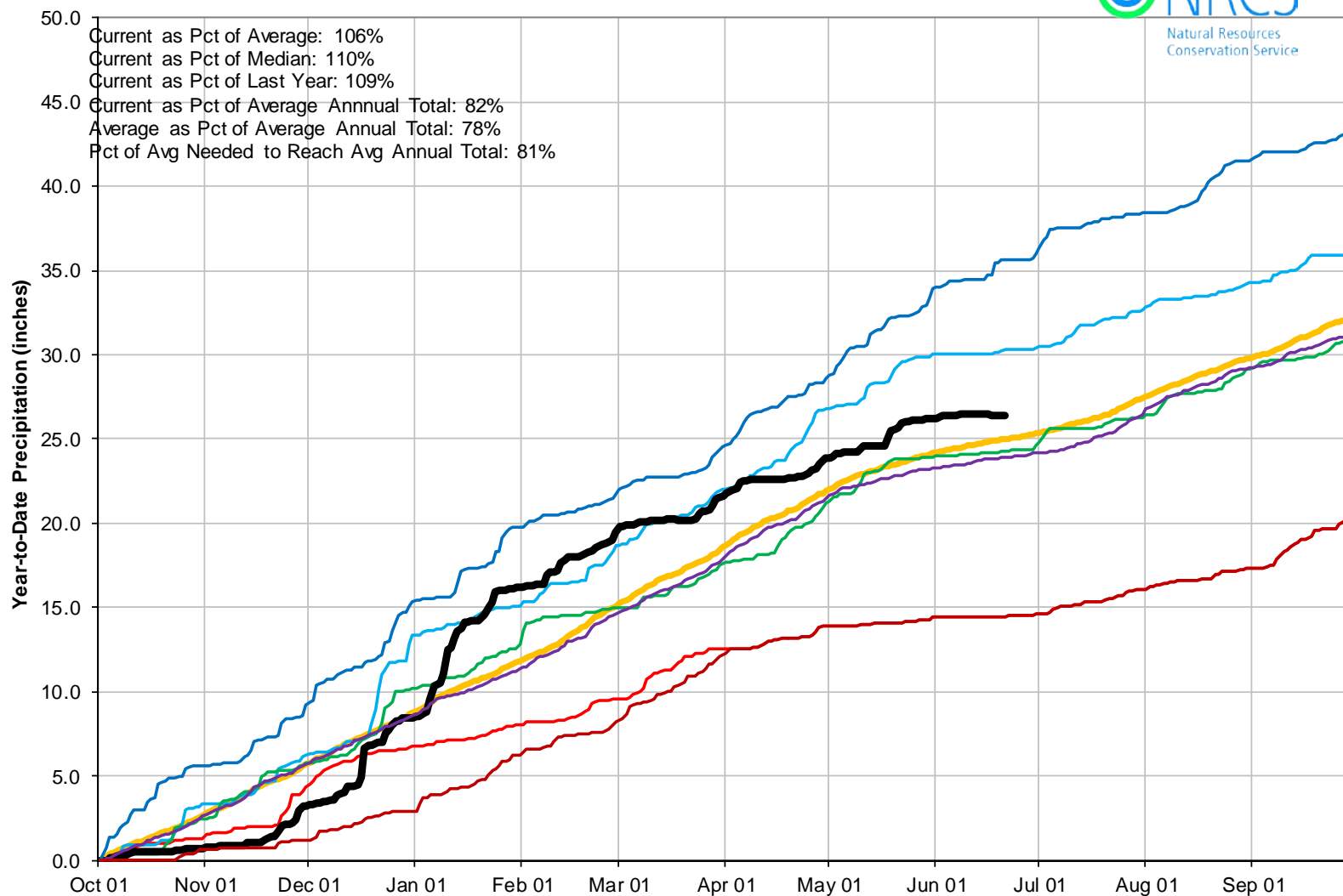


0 5 10 20 30 40 Miles



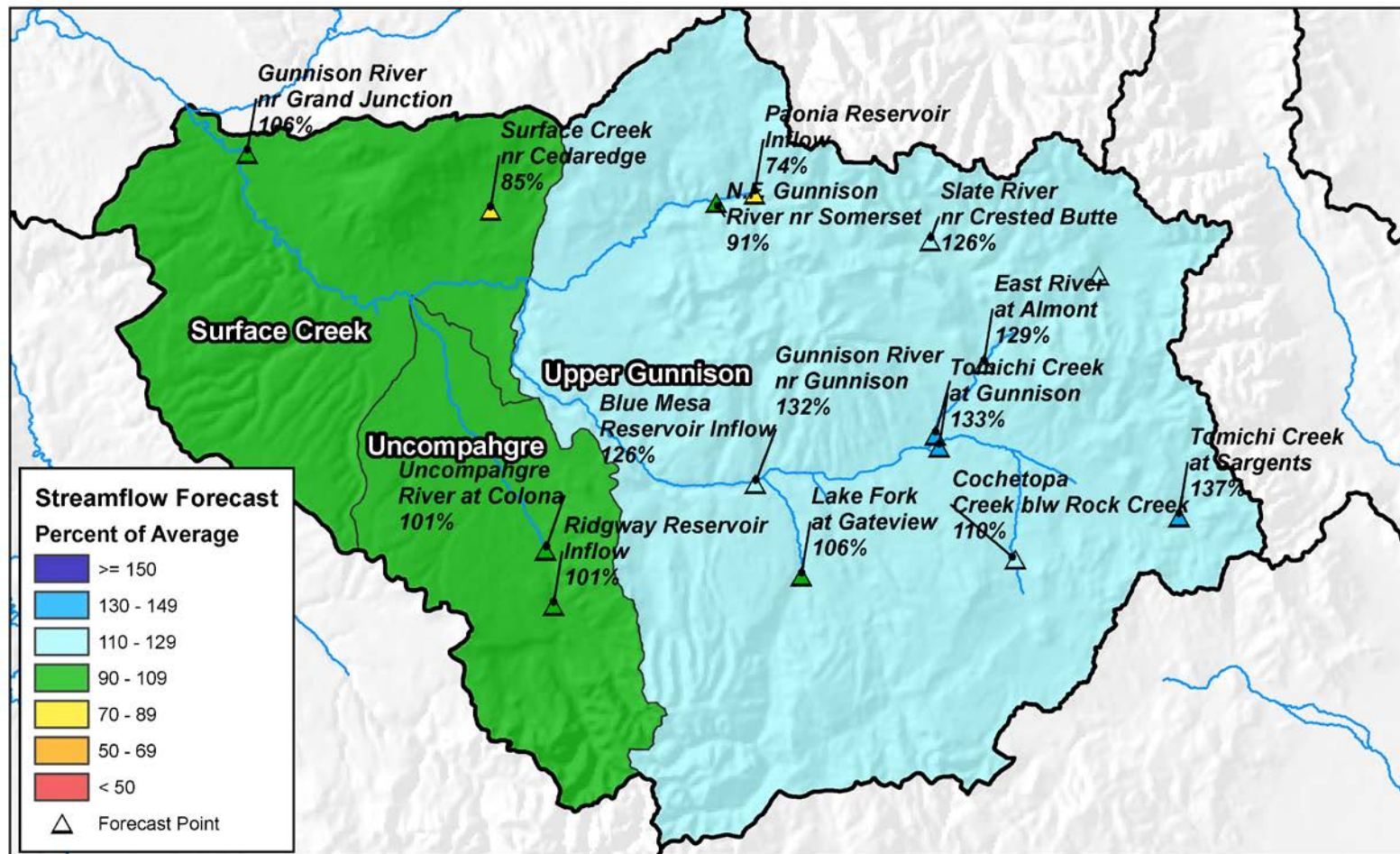
Gunnison River Basin High/Low Year-to-Date Precipitation Summary

Based on Provisional SNOTEL data as of Jun 21, 2017



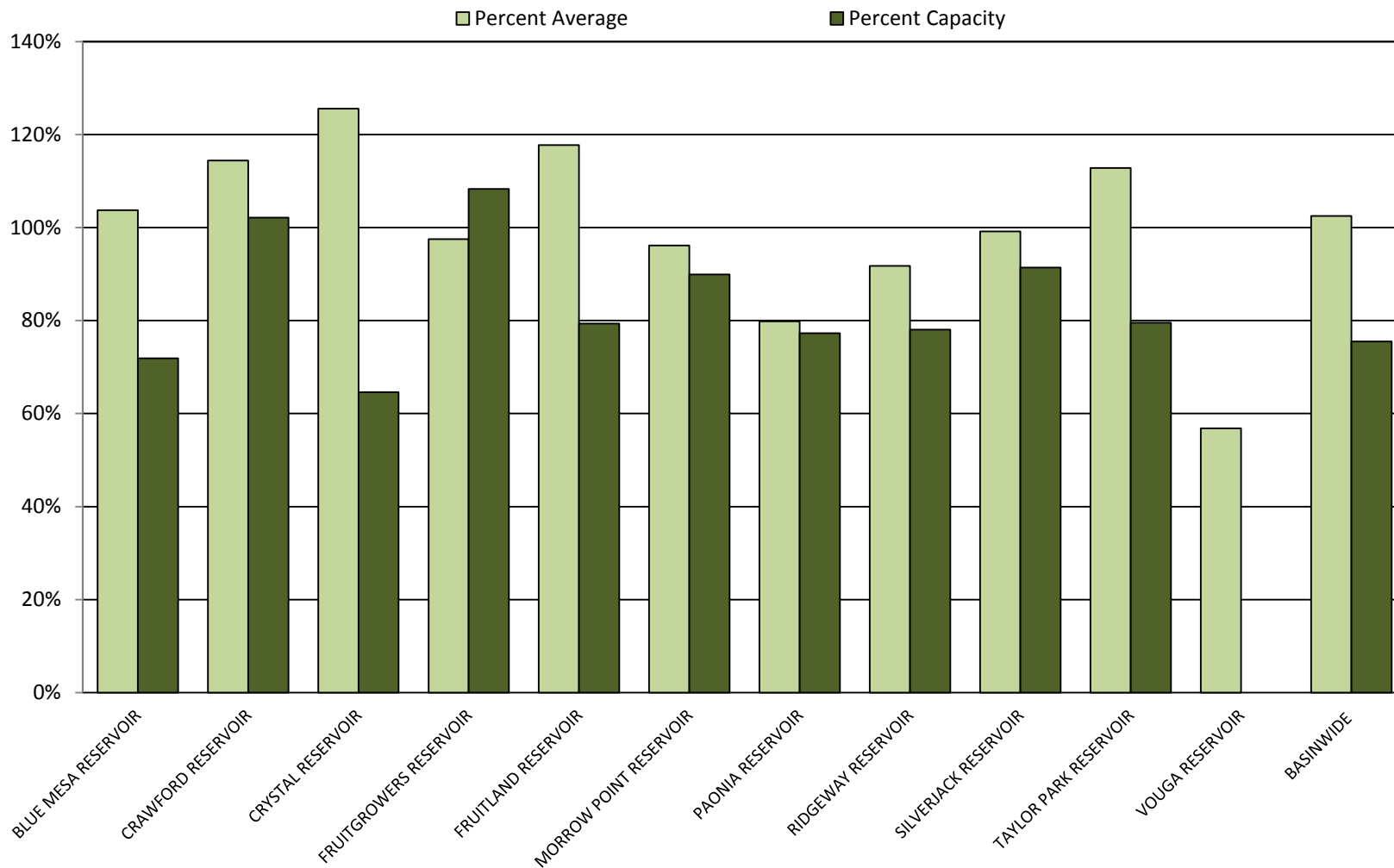
Gunnison River Basin Water Supply Forecast Summary

June 1, 2017



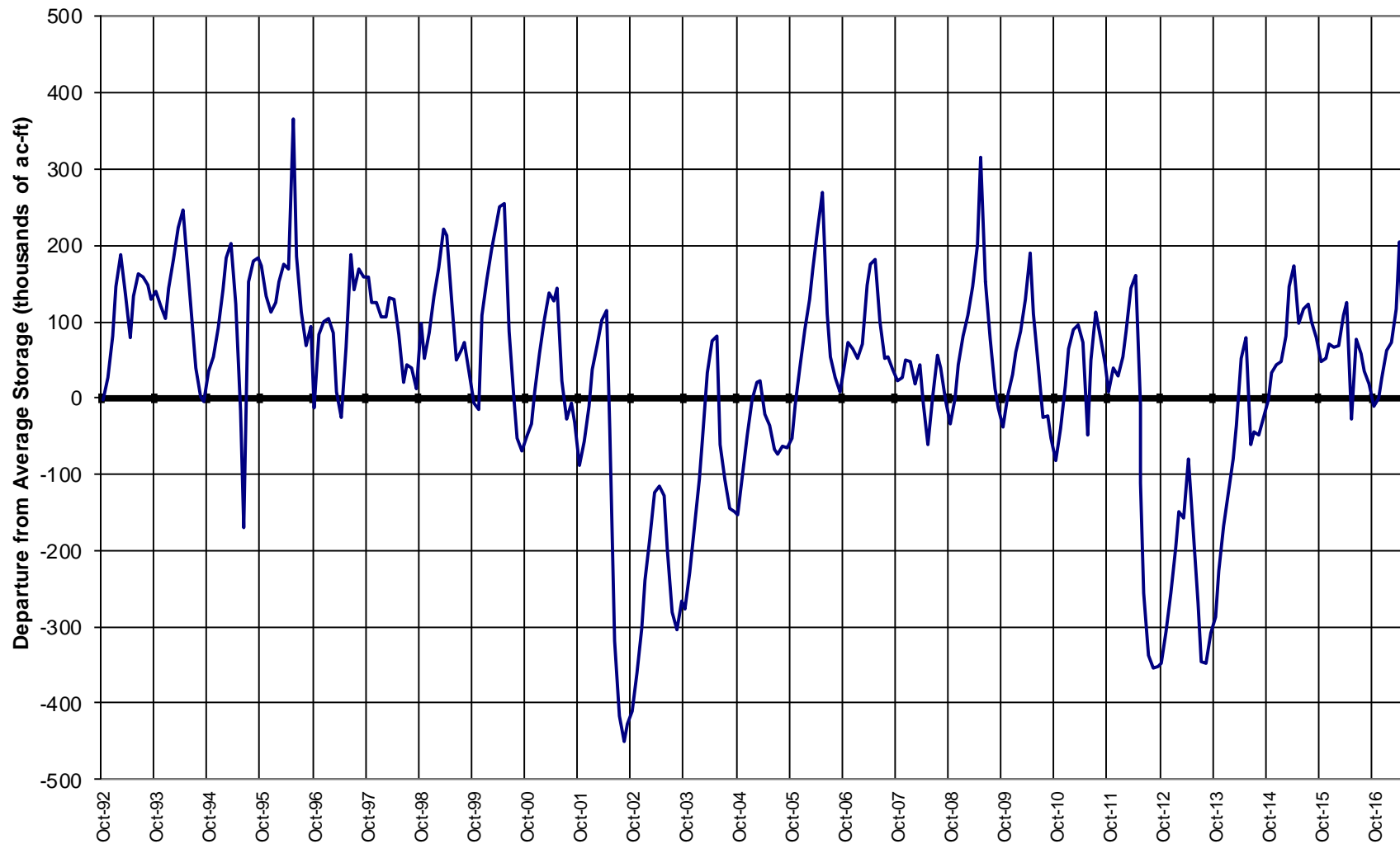
0 5 10 20 30 40 Miles

Reservoir Storage



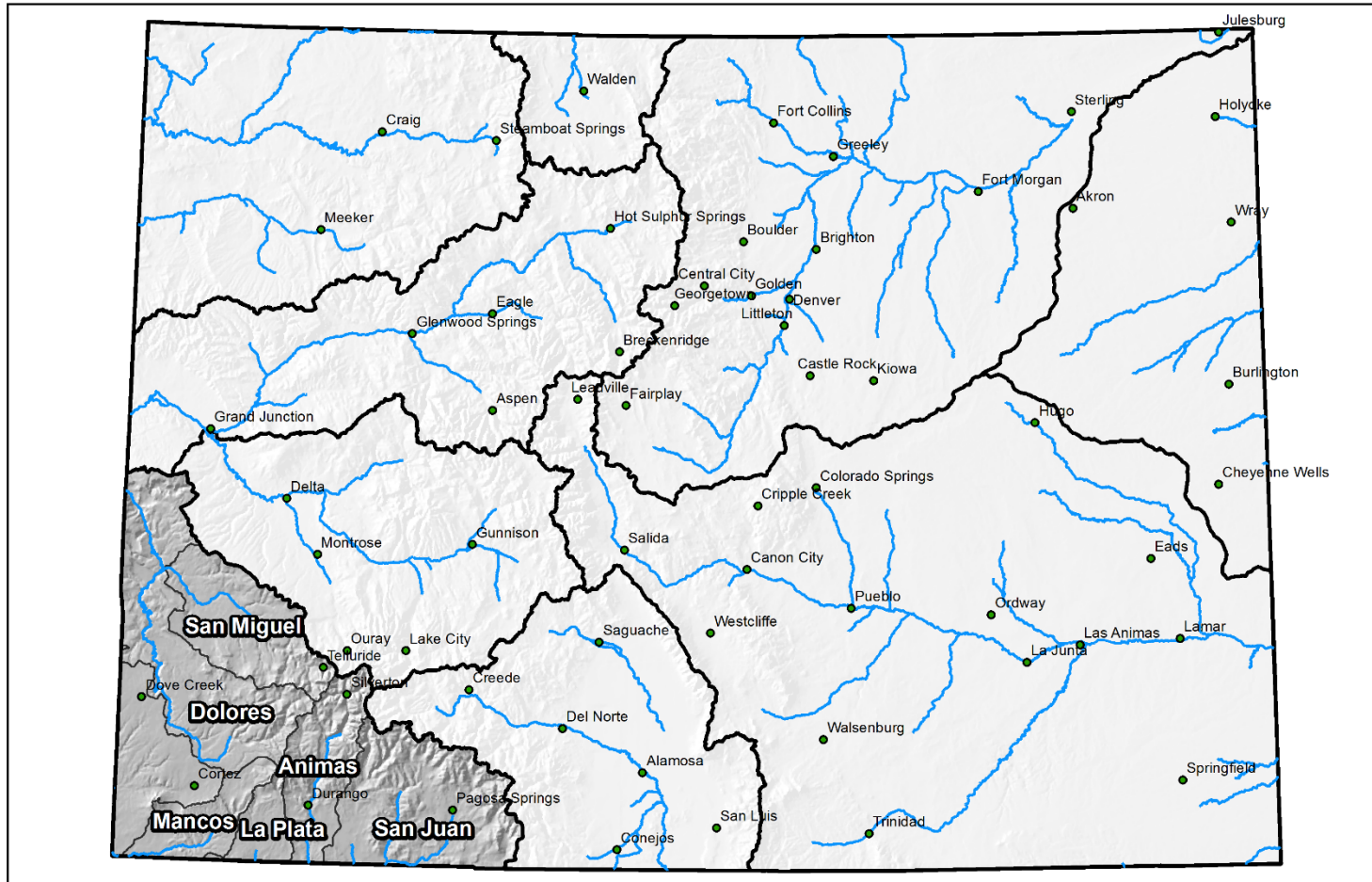


GUNNISON RIVER BASIN Reservoir Storage Departure from Average



Major Basin Summary

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

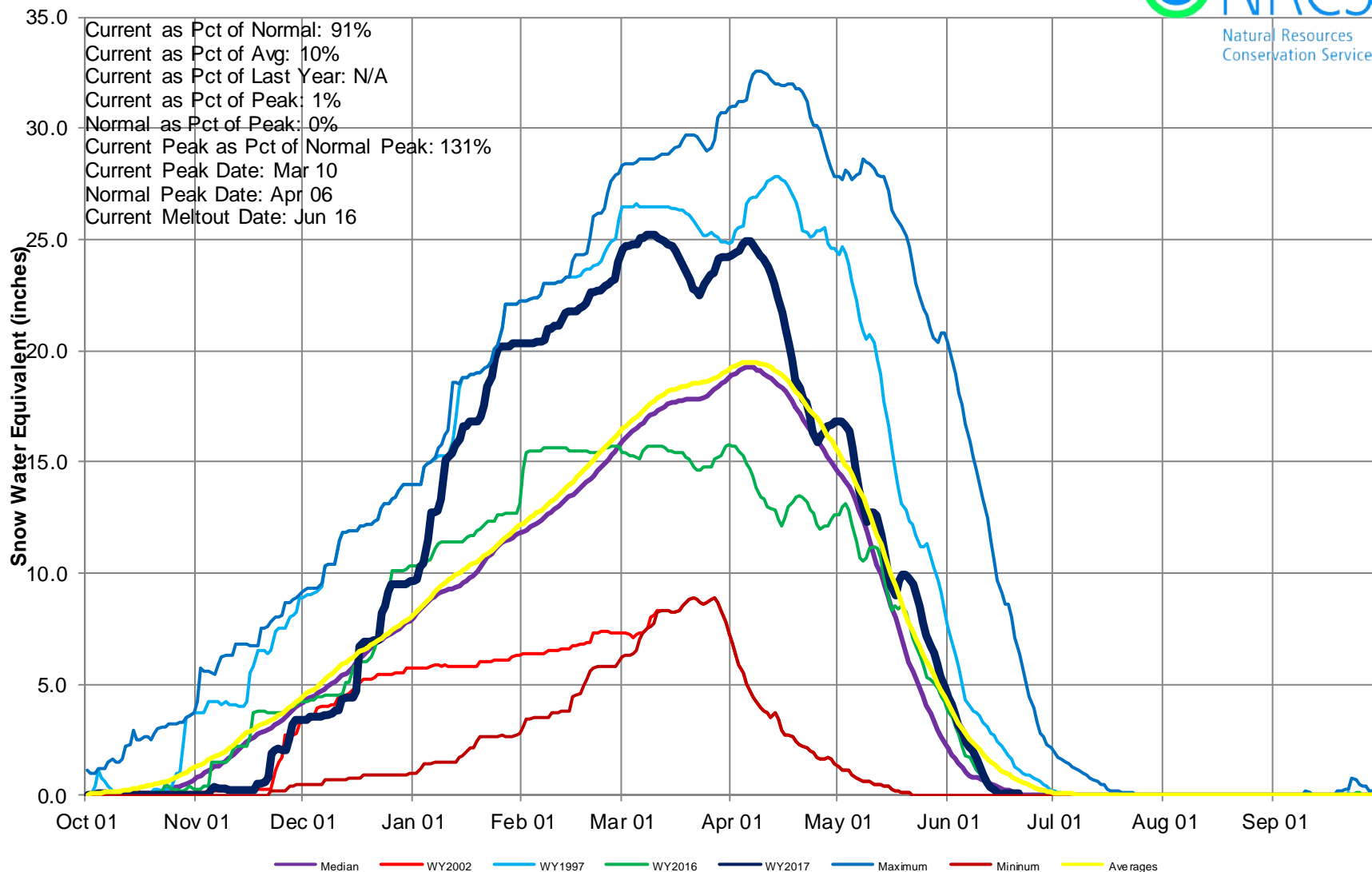


0 25 50 100 150 200 Miles



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

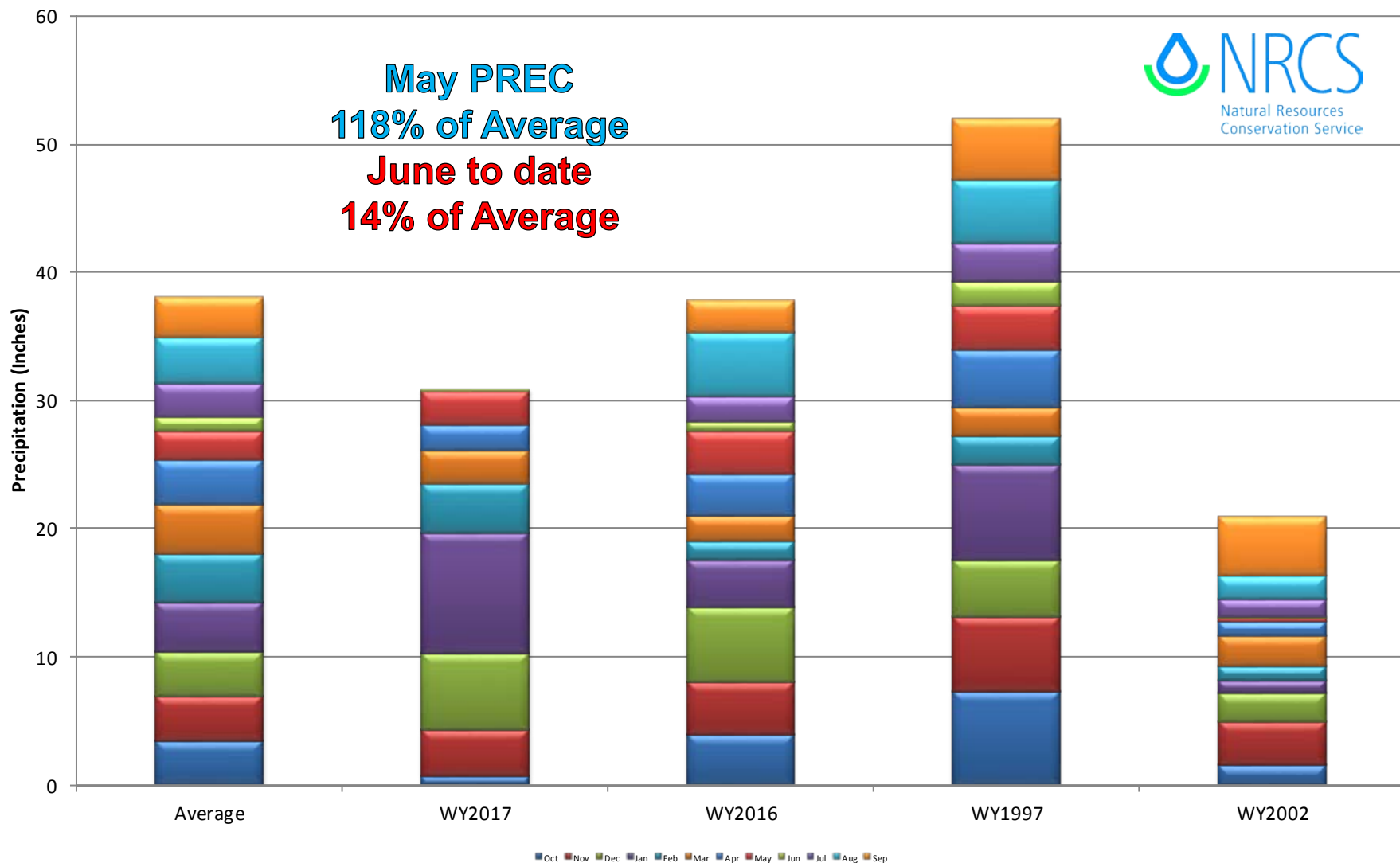
Based on Provisional SNOTEL data as of Jun 21, 2017





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

Based on Provisional SNOTEL data as of Jun 21, 2017

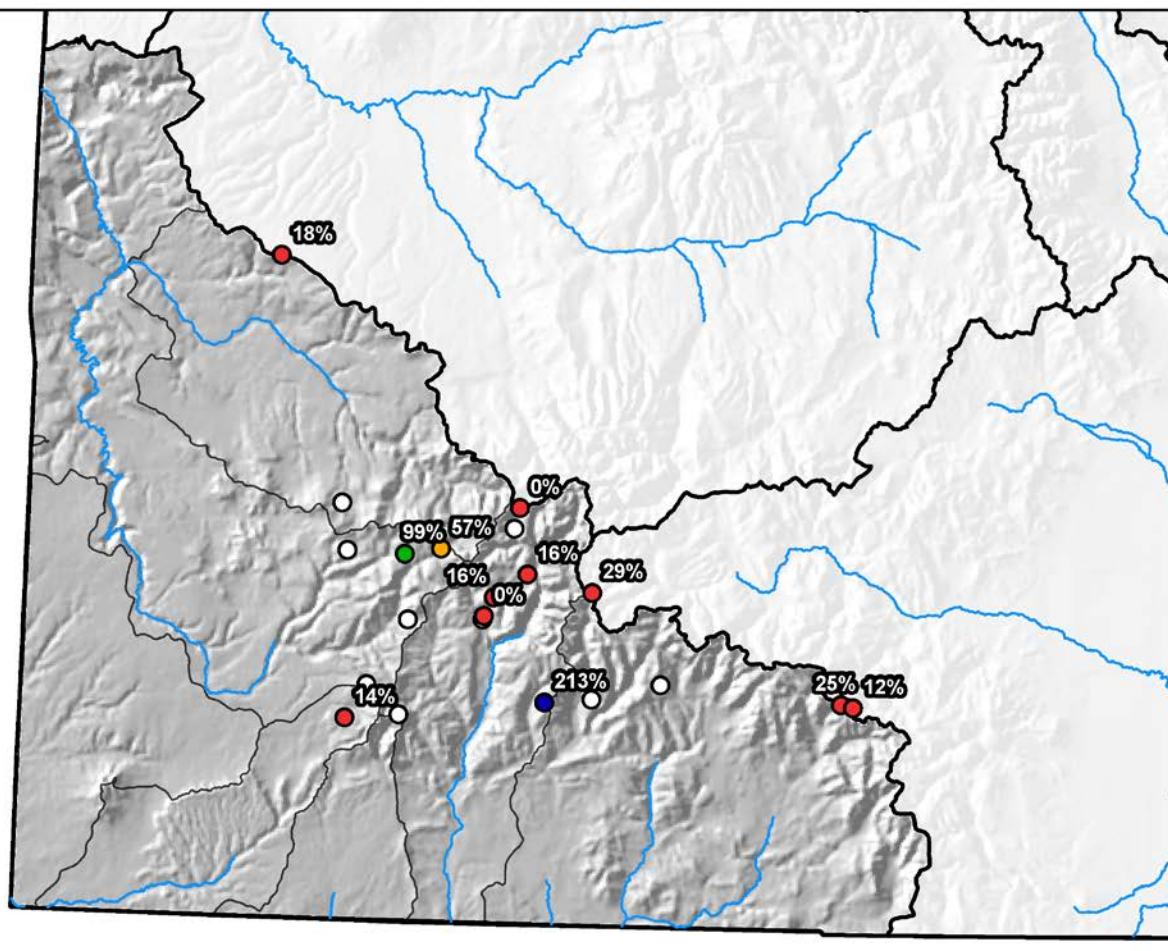


San Miguel, Dolores, Animas, and San Juan River Basins Month to Date Precipitation Summary

Current as of Jun 21, 2017

MTD Precipitation Percent of Average

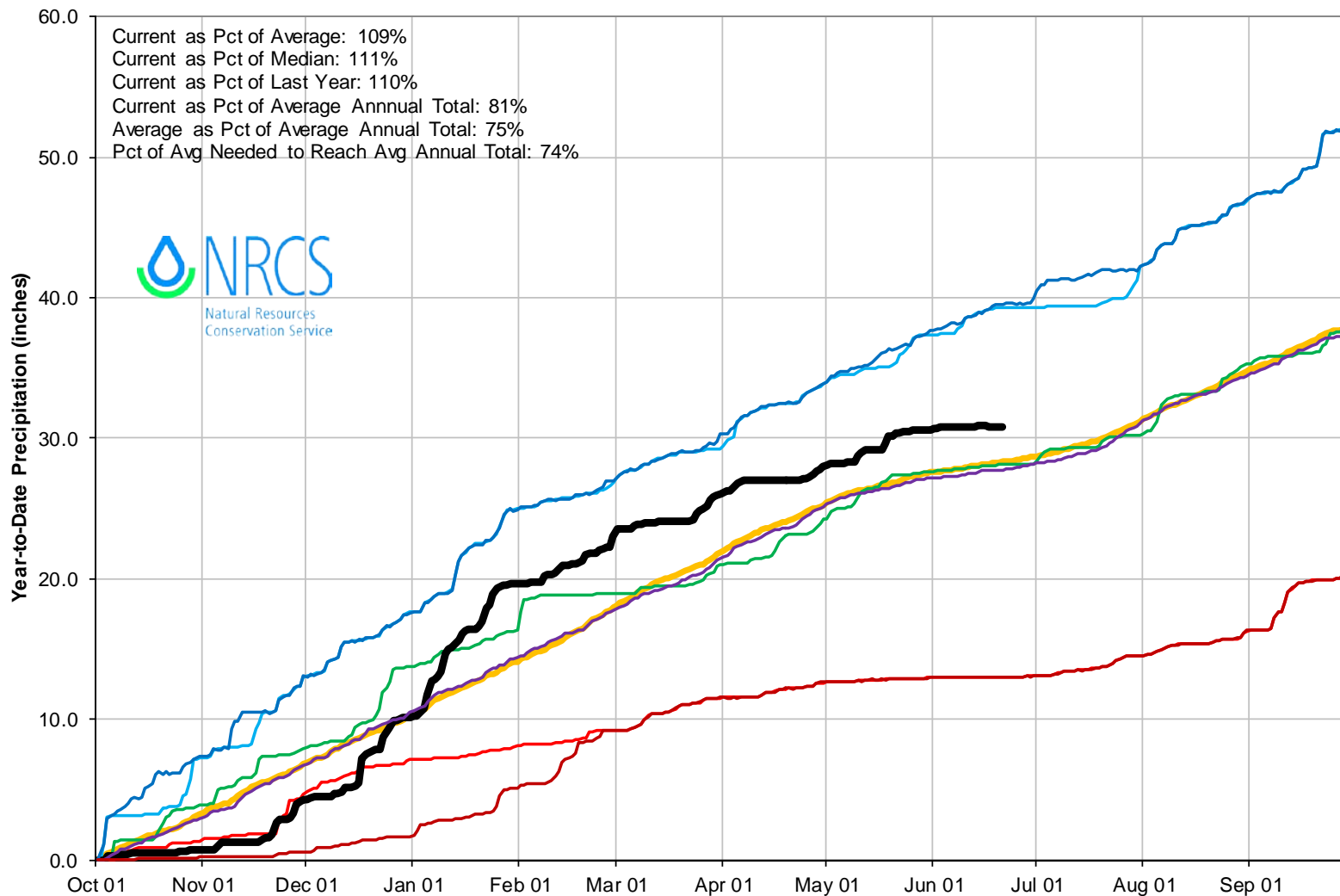
- Missing or Invalid
- < 50
- 50 - 69
- 70 - 89
- 90 - 109
- 110 - 129
- 130 - 149
- ≥ 150
- SNOTEL



0 10 20 40 60 80 Miles

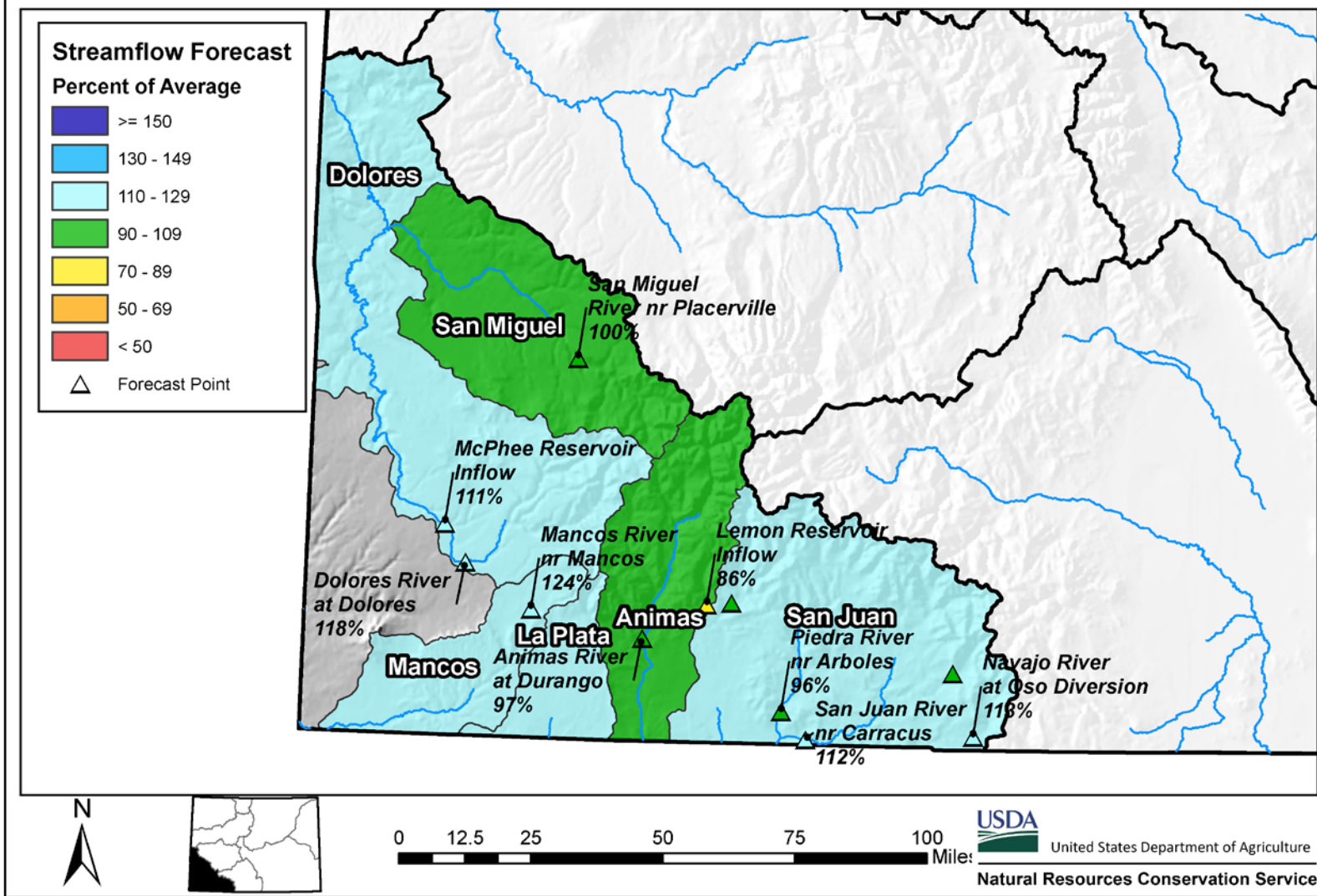
San Miguel, Dolores, Animas & San Juan River Basins High/Low Year-to-Date Precipitation Summary

Based on Provisional SNOTEL data as of Jun 21, 2017

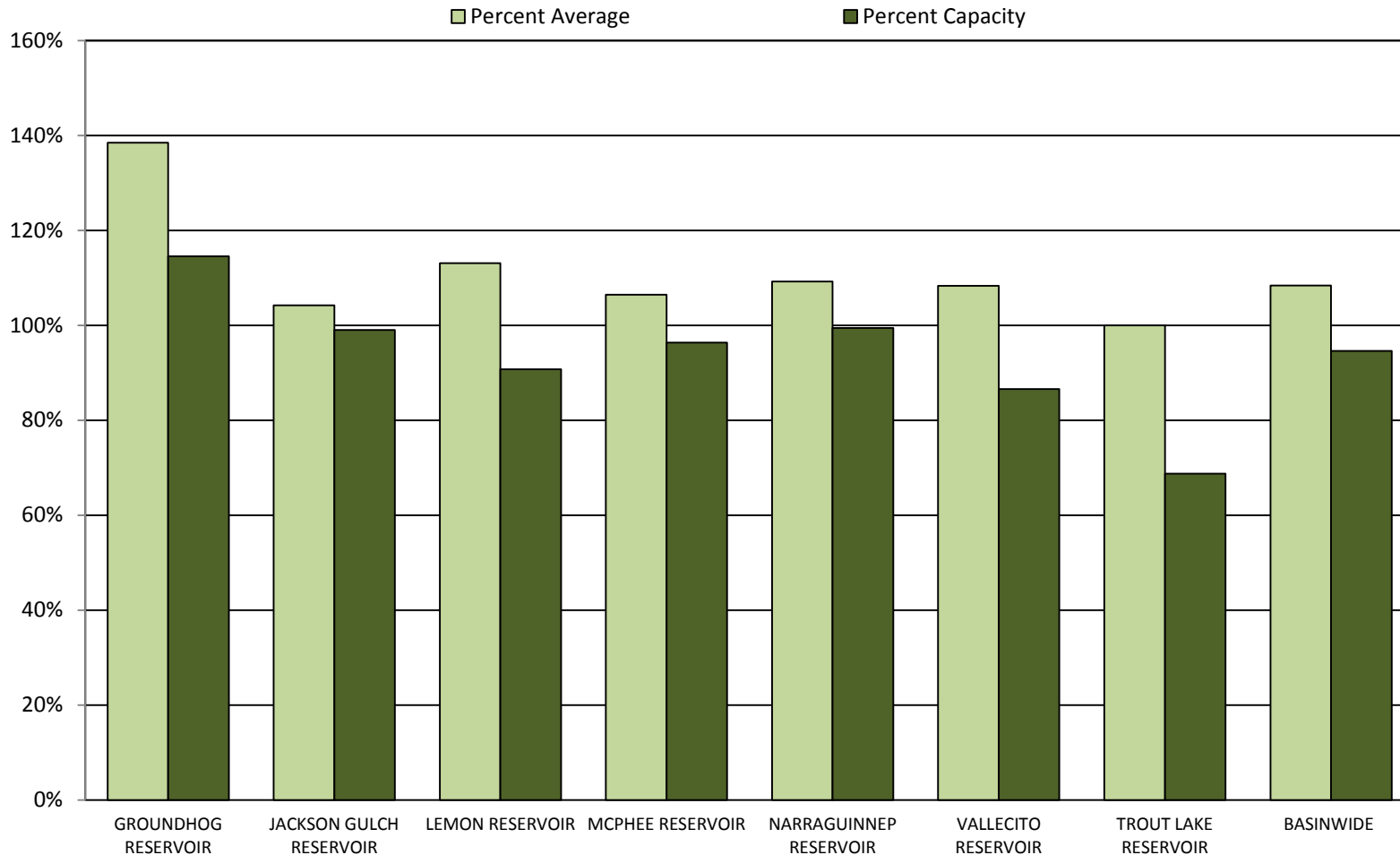


San Miguel, Dolores, Animas, and San Juan River Basins Streamflow Forecast Summary

June 1, 2017



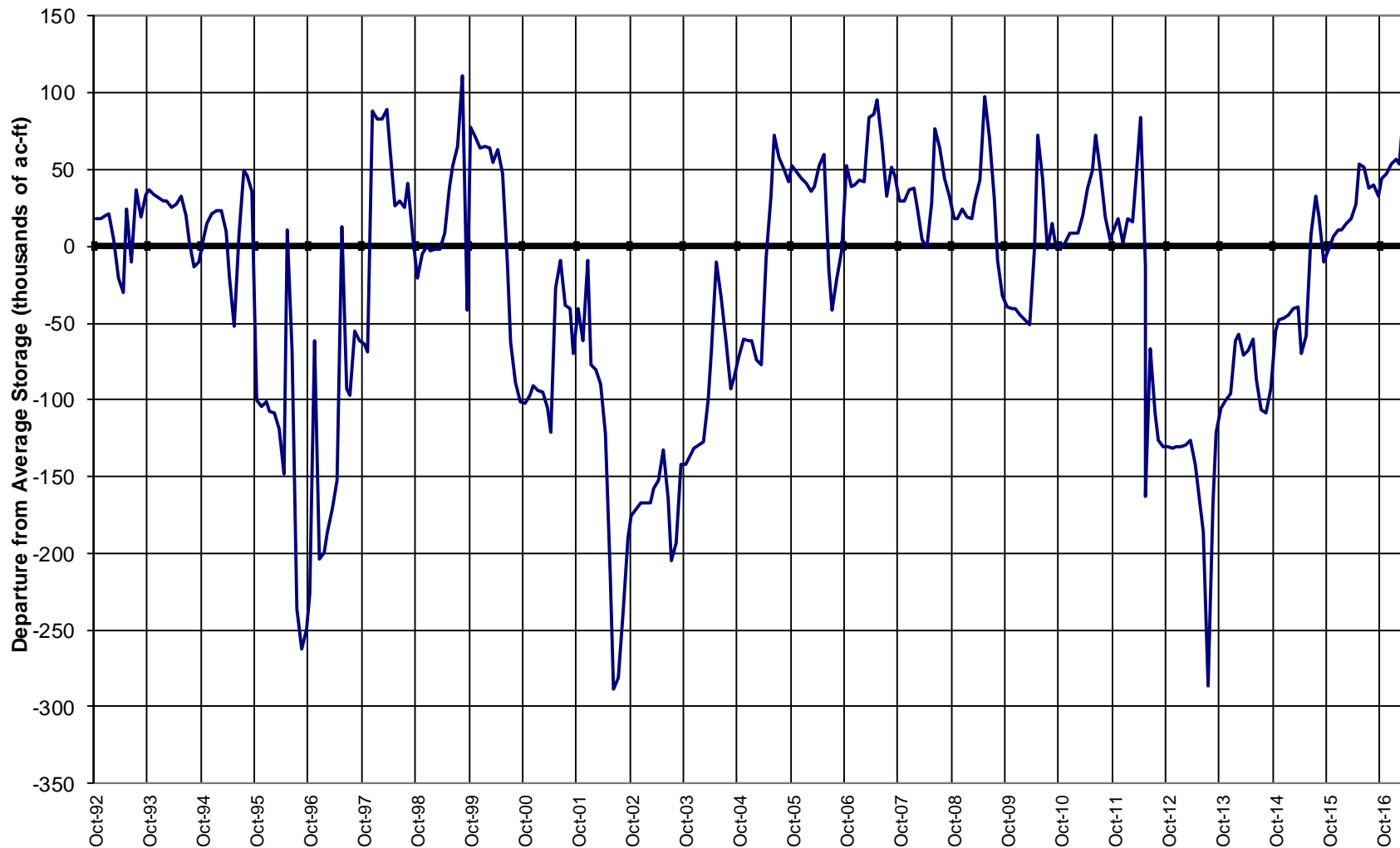
Reservoir Storage





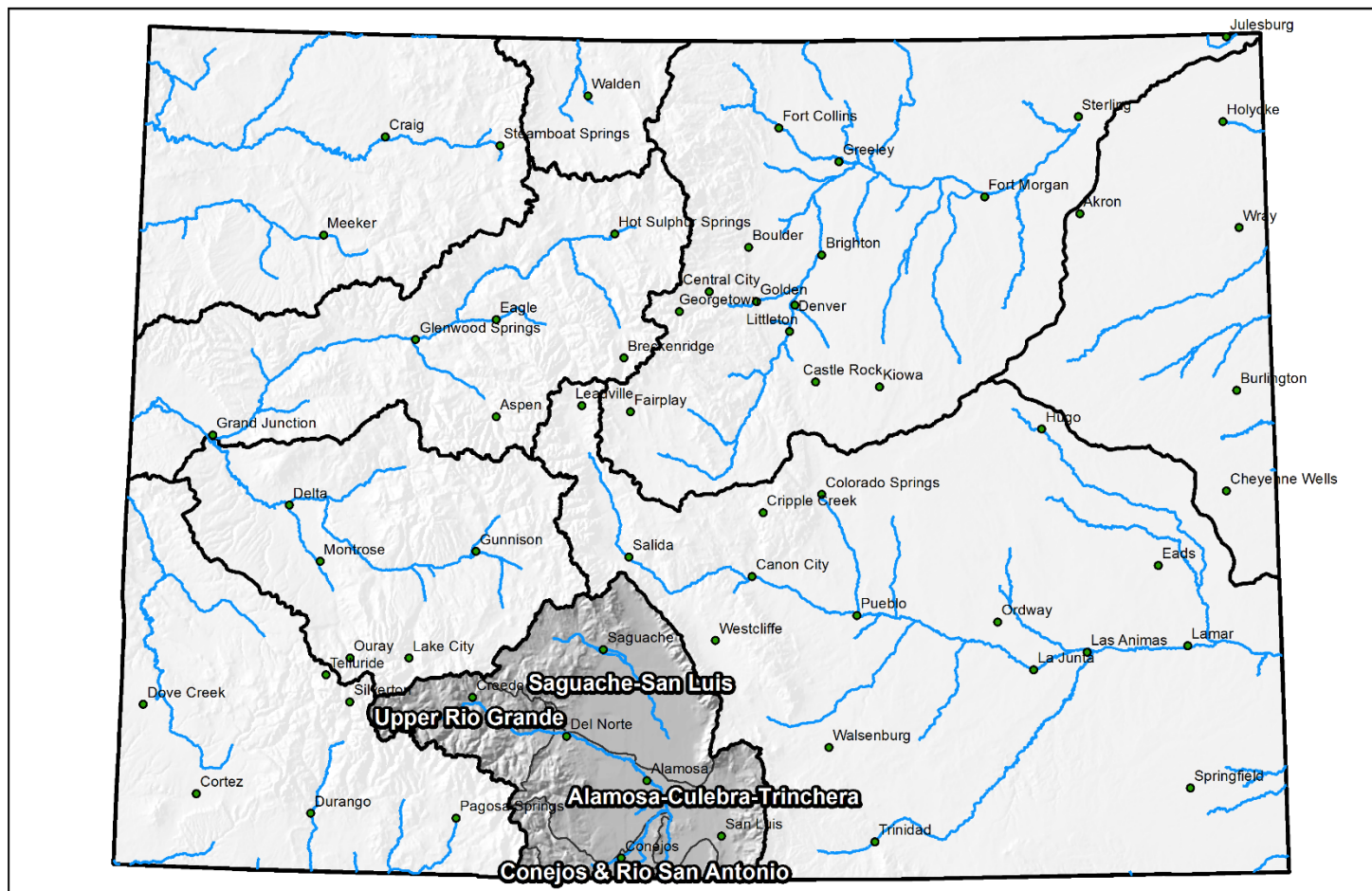
SAN MIGUEL, DOLORES, ANIMAS AND SAN JUAN RIVER BASINS

Reservoir Storage
Departure from Average



Major Basin Summary

Upper Rio Grande River Basin

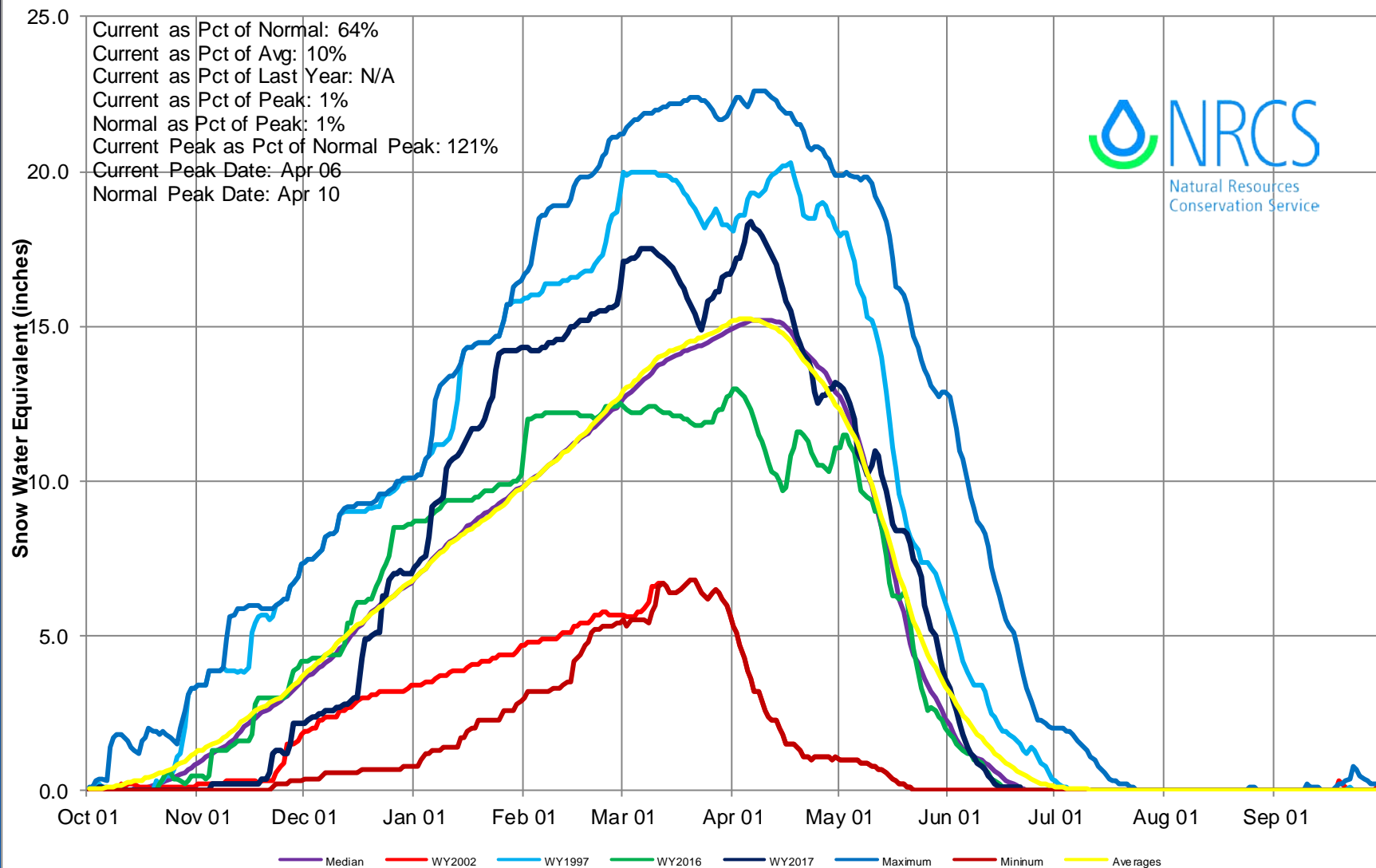


0 25 50 100 150 200 Miles



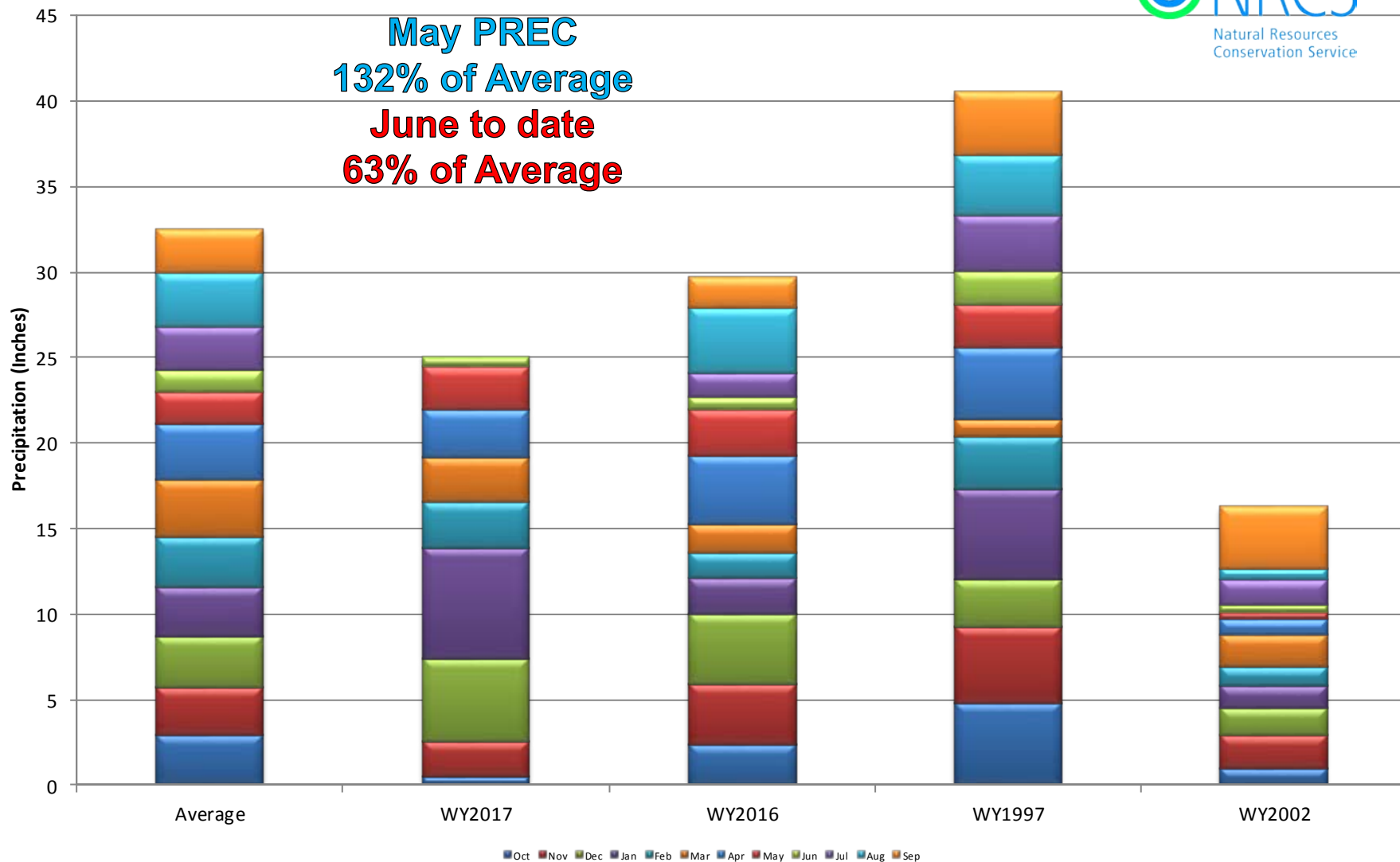
Upper Rio Grande Basin High/Low Snowpack Summary

Based on Provisional SNOTEL data as of Jun 21, 2017



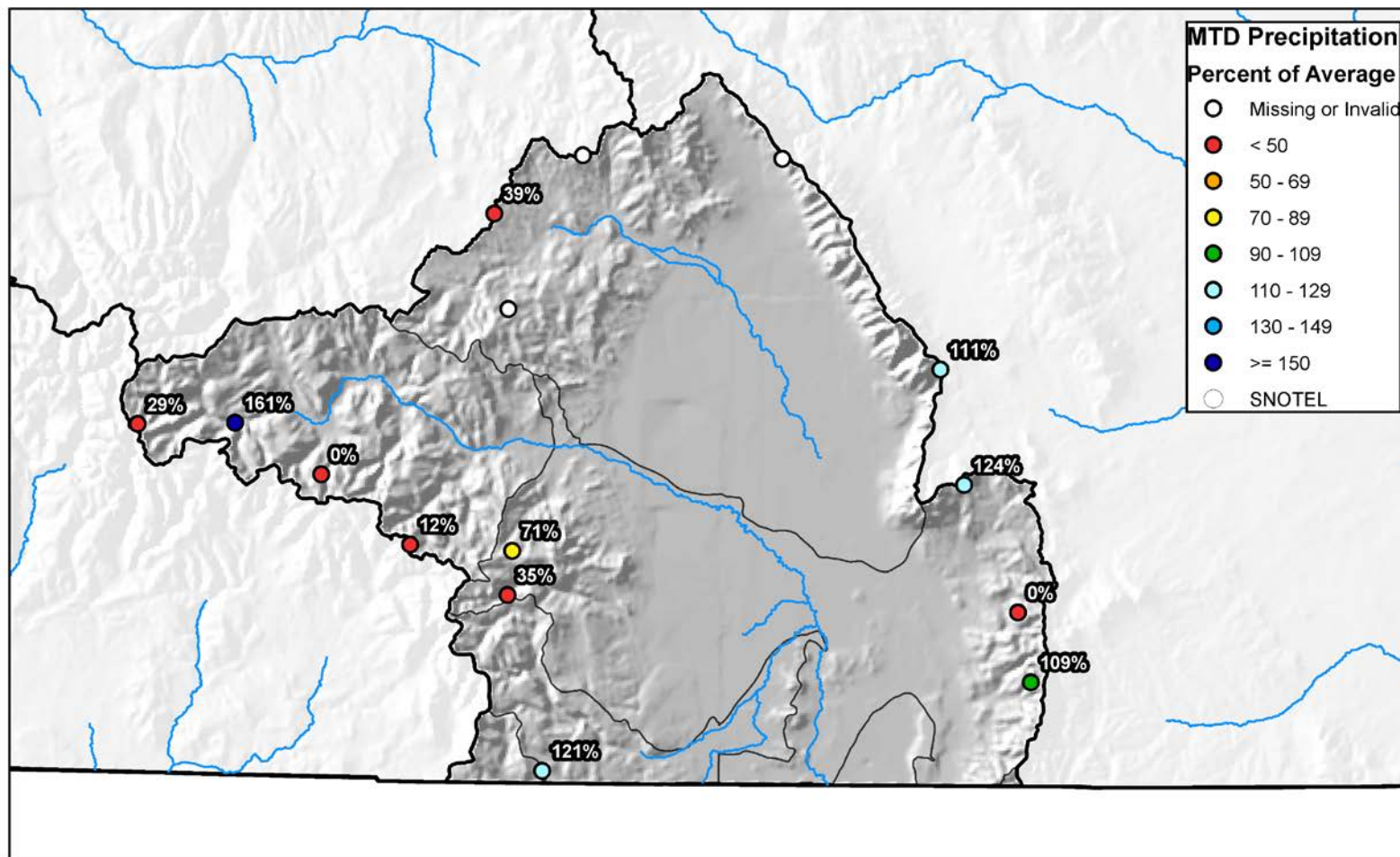
Upper Rio Grande Basin High/Low Monthly Precipitation Summary

Based on Provisional SNOTEL data as of Jun 21, 2017



Upper Rio Grande River Basin Month to Date Precipitation Summary

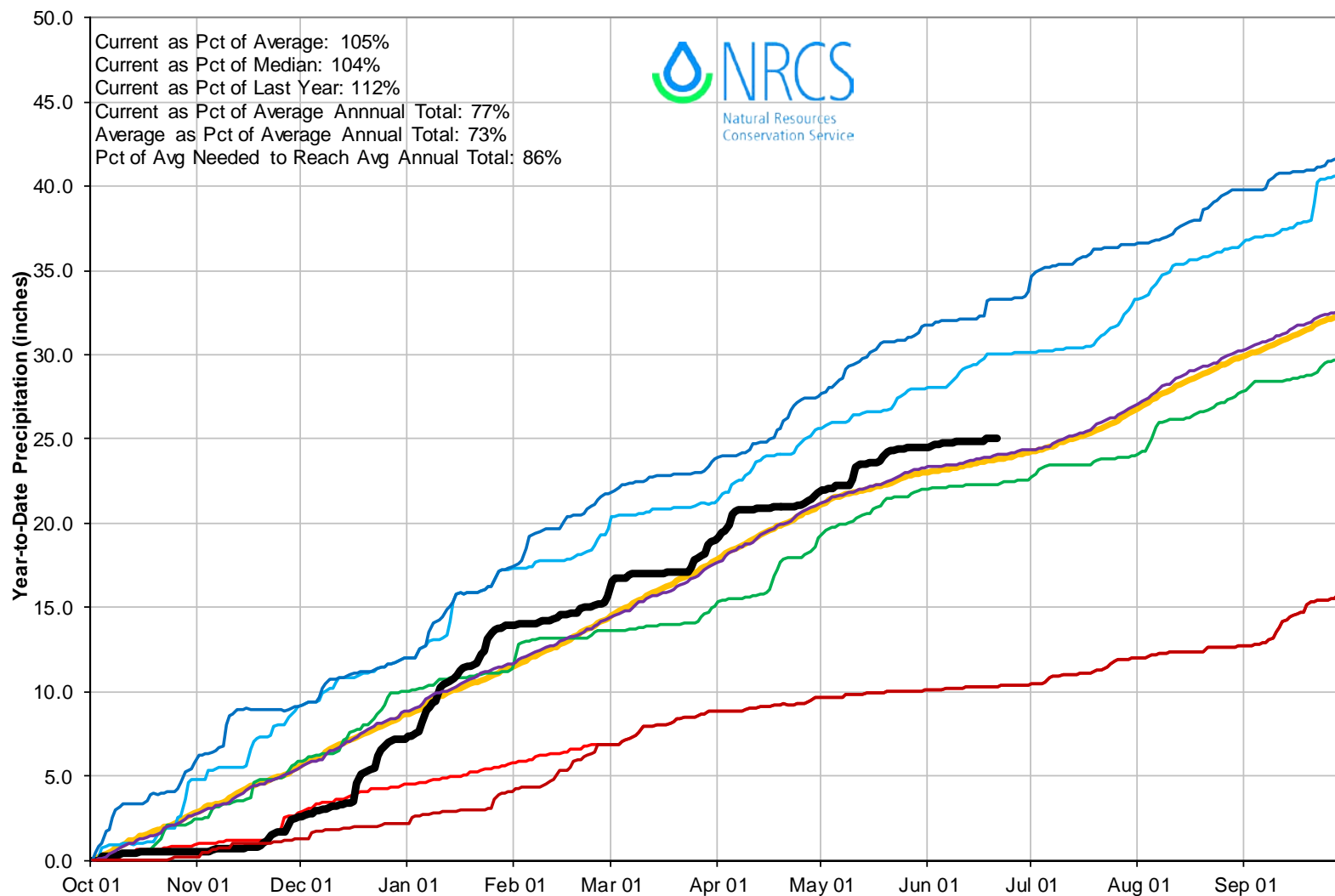
Current as of Jun 21, 2017





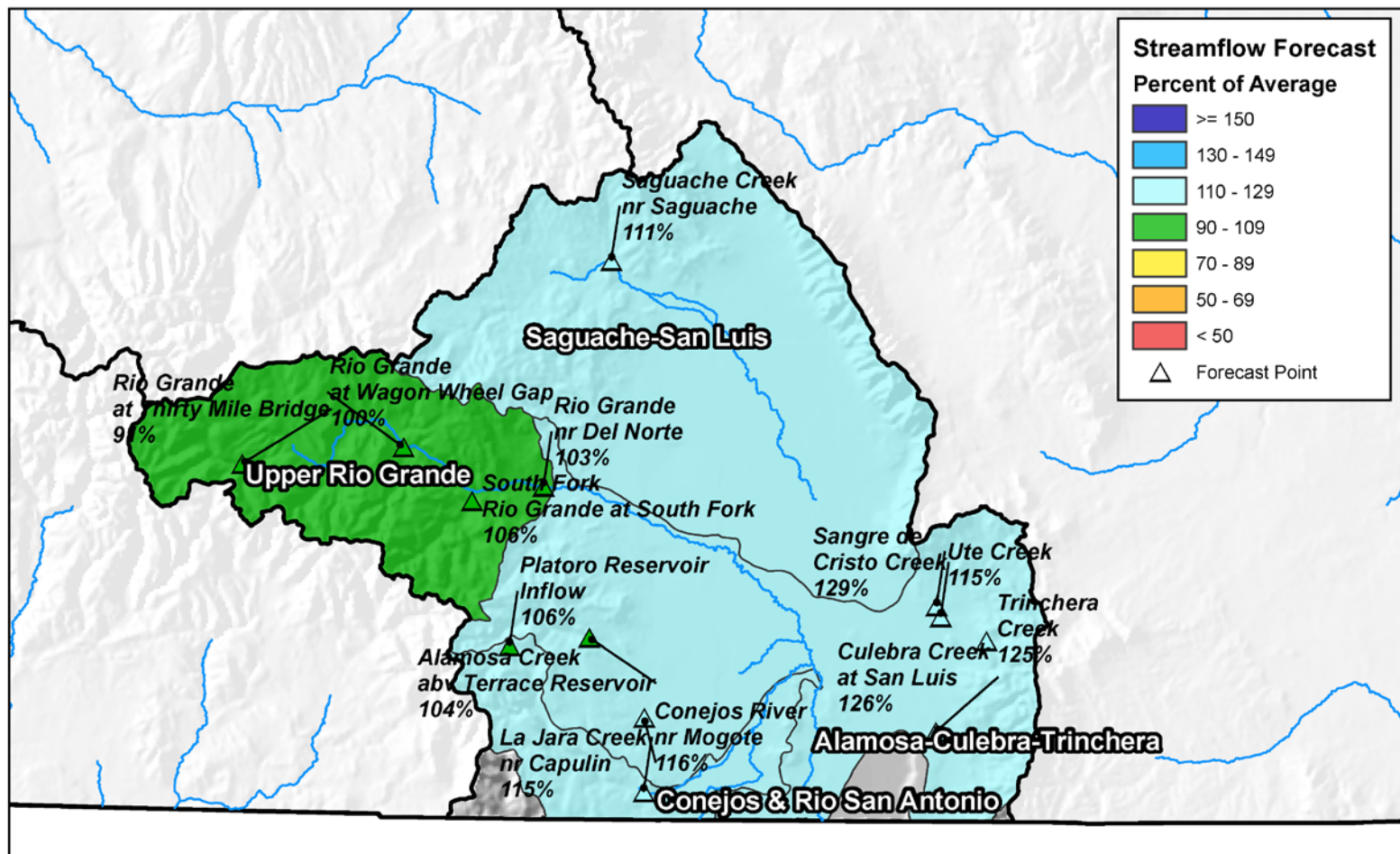
Upper Rio Grande Basin High/Low Year-to-Date Precipitation Summary

Based on Provisional SNOTEL data as of Jun 21, 2017



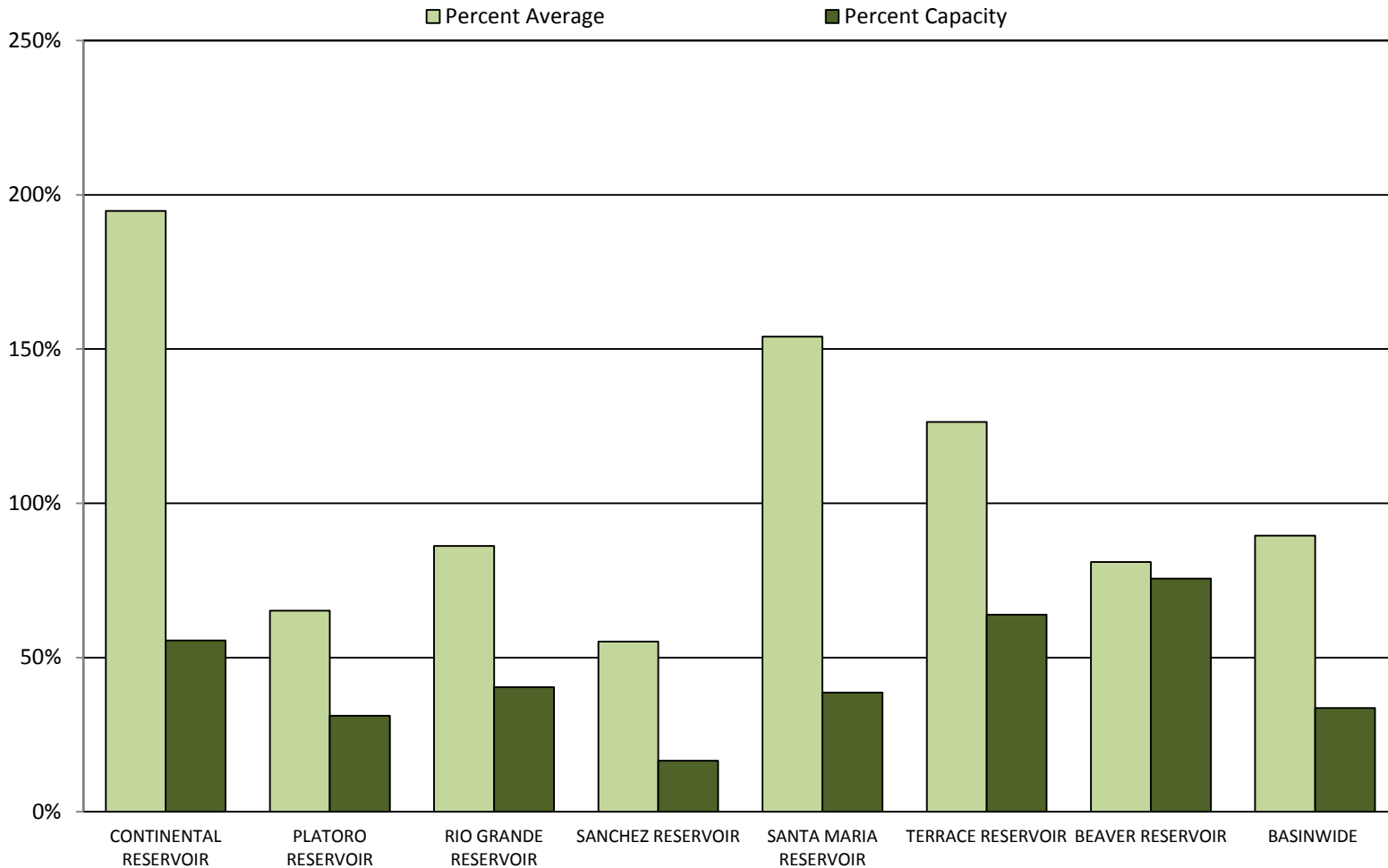
Upper Rio Grande River Basin Streamflow Forecast Summary

June 1, 2017



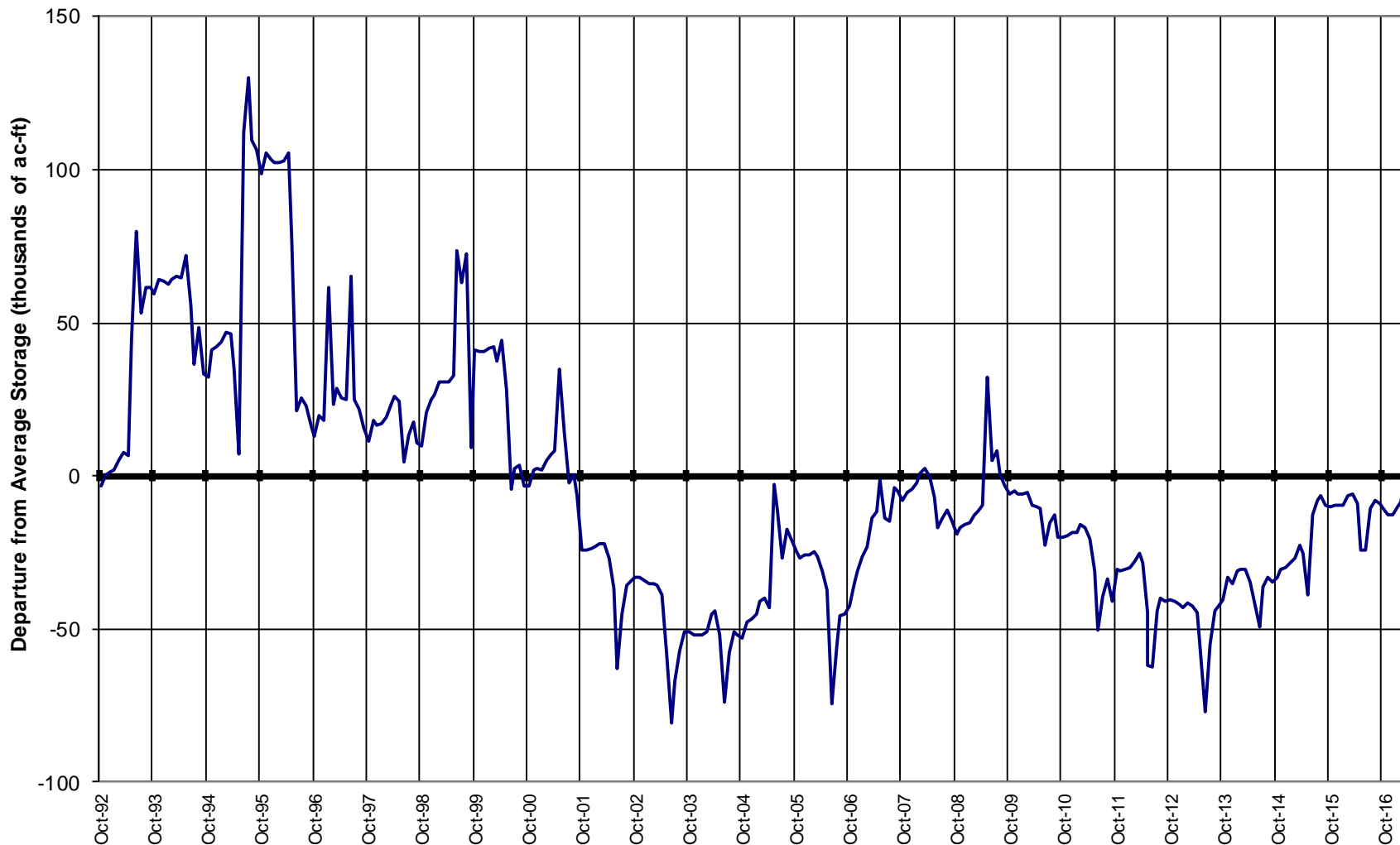
0 10 20 40 60 80 Miles

Reservoir Storage



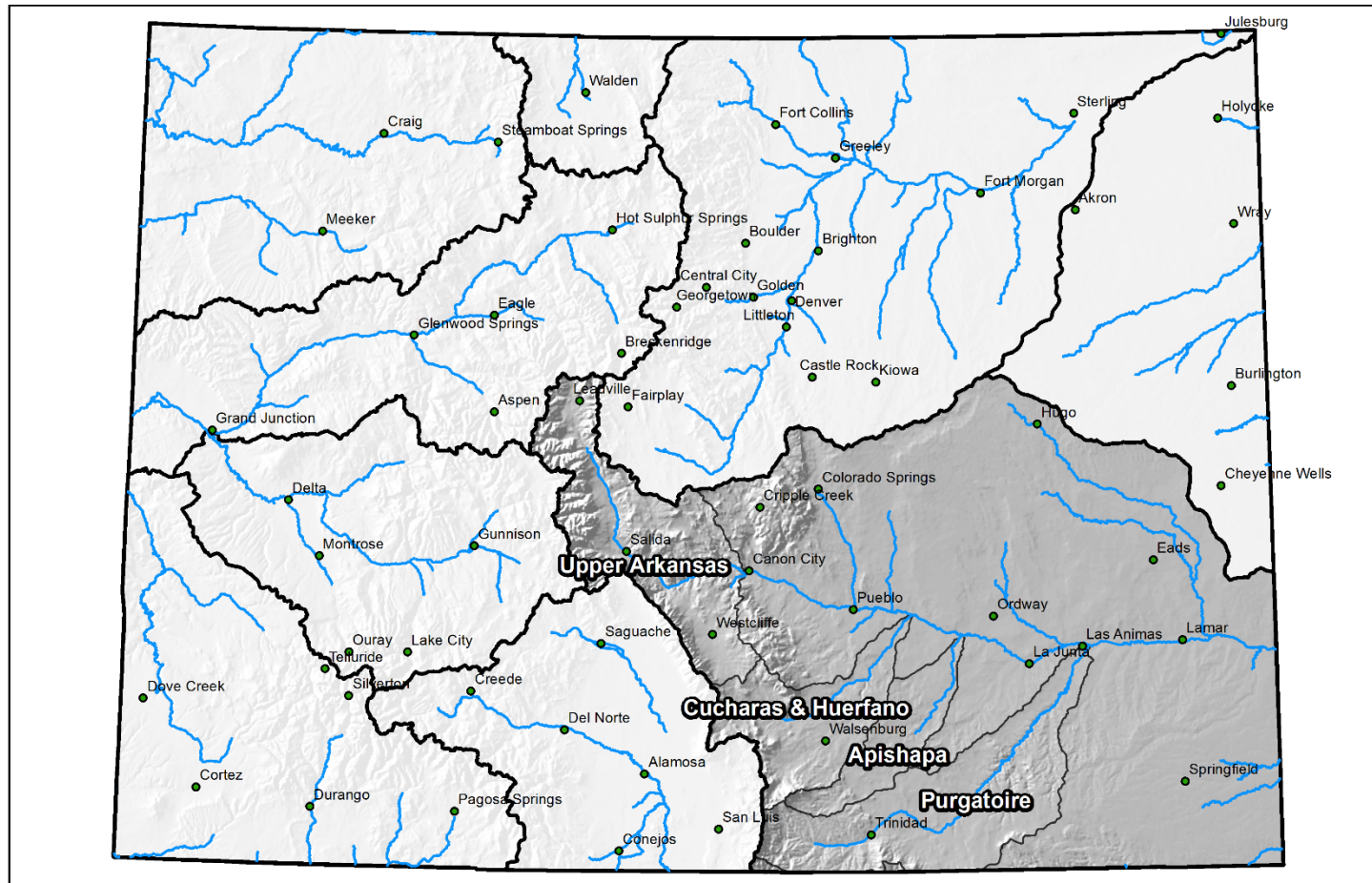


UPPER RIO GRANDE BASIN Reservoir Storage Departure from Average



Major Basin Summary

Arkansas River Basin

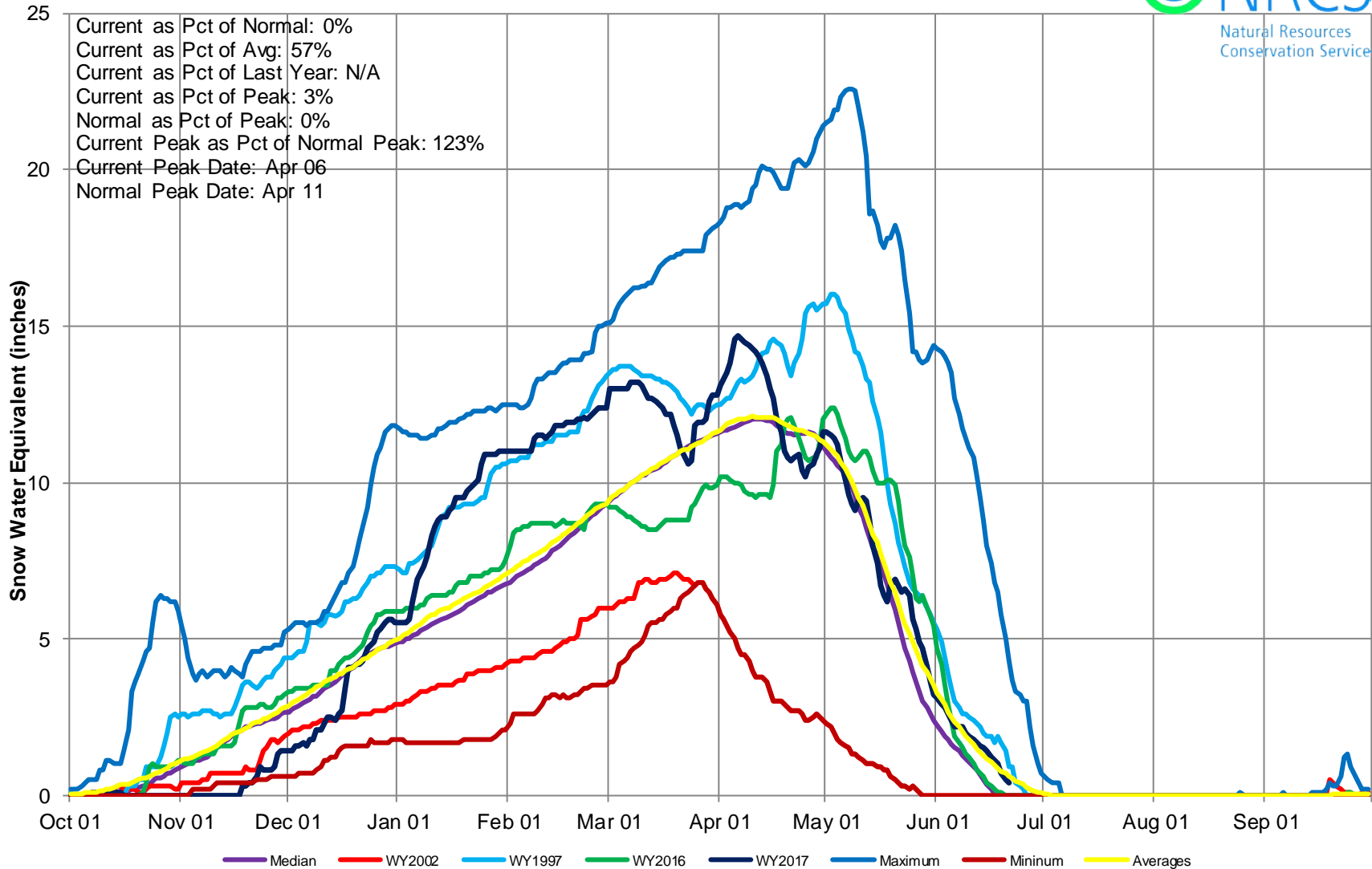


0 25 50 100 150 200 Miles



Arkansas River Basin High/Low Snowpack Summary

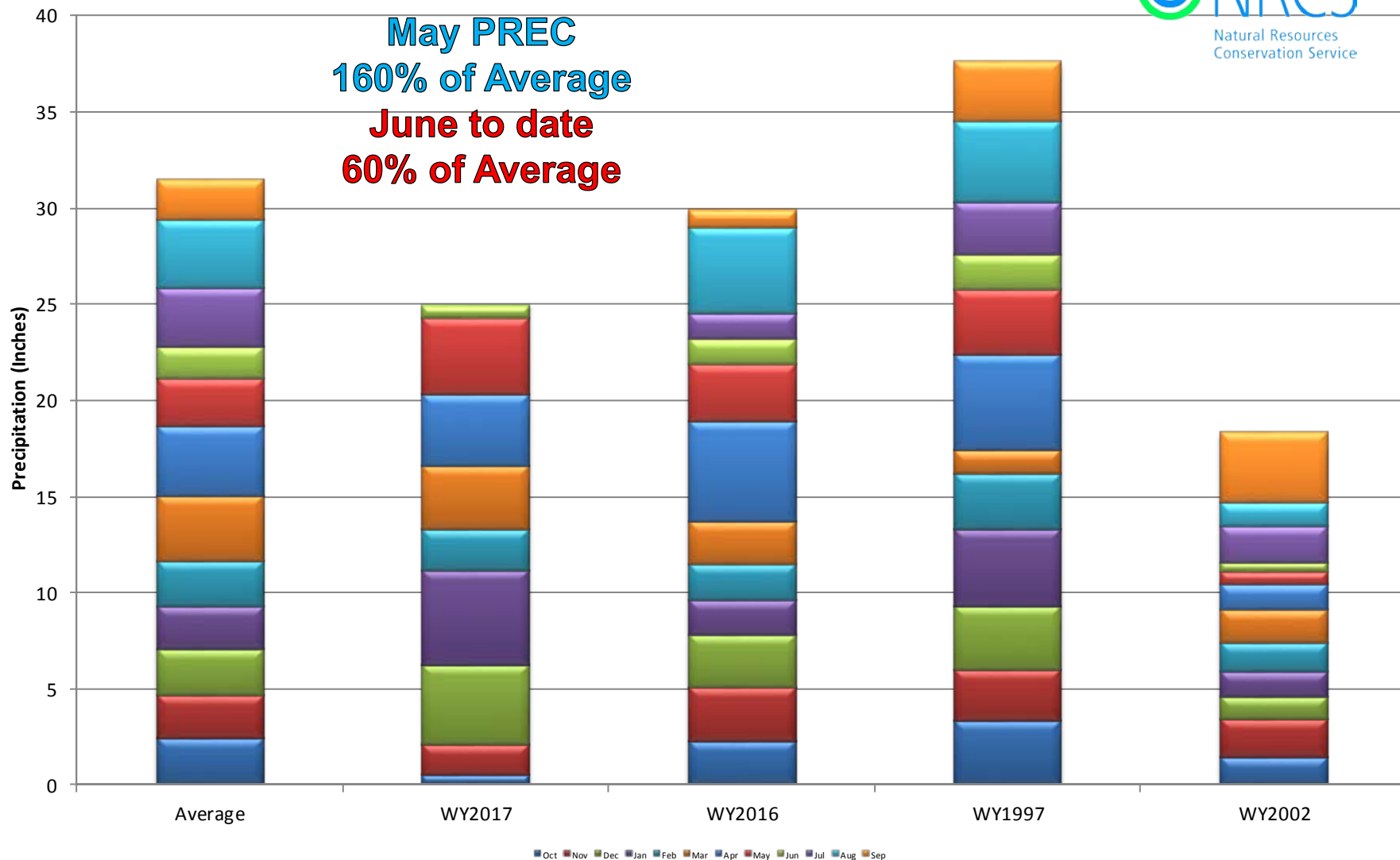
Based on Provisional SNOTEL data as of Jun 21, 2017





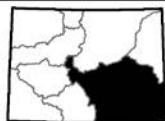
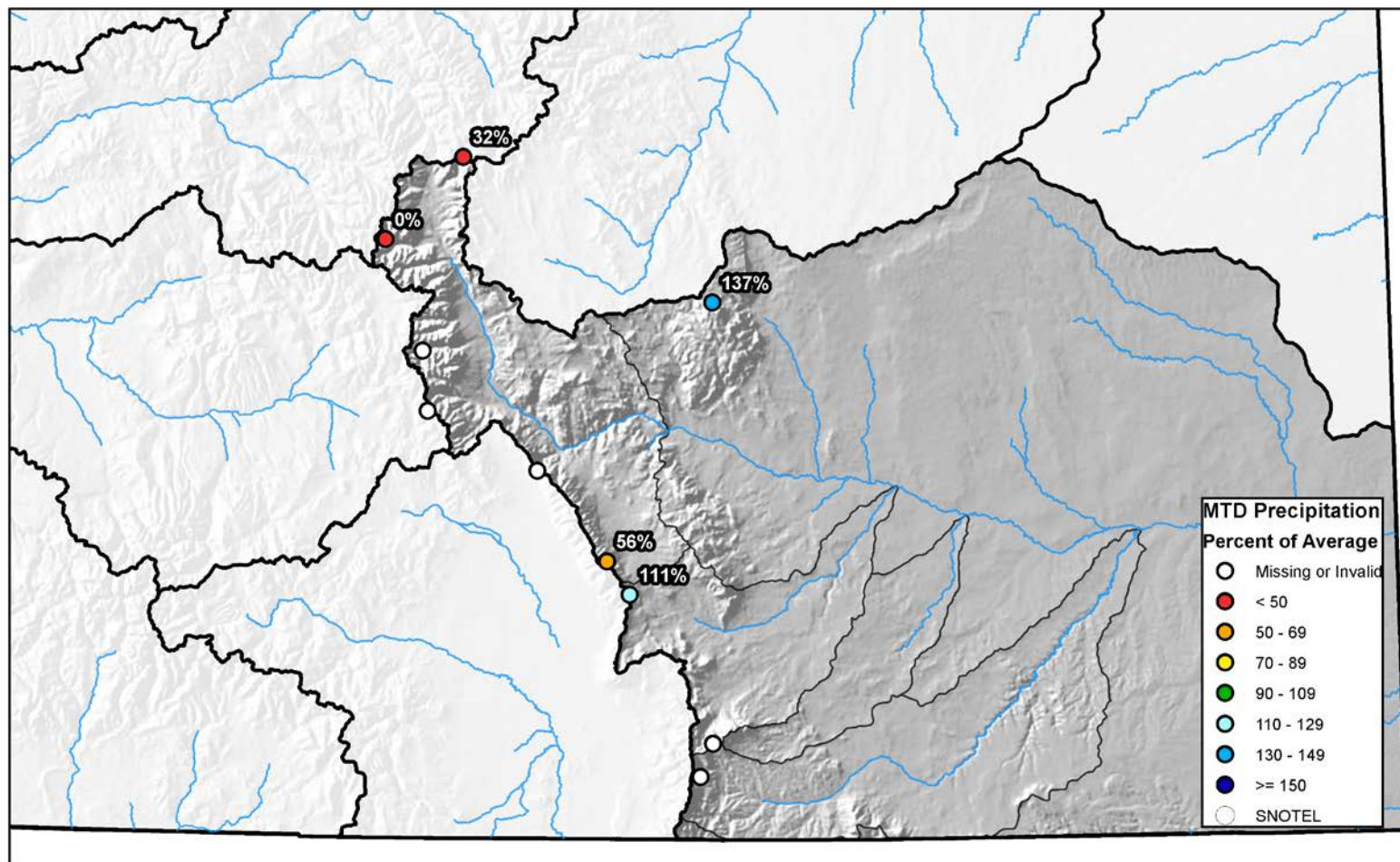
Arkansas River Basin High/Low Monthly Precipitation Summary

Based on Provisional SNOTEL data as of Jun 21, 2017



Arkansas River Basin Month to Date Precipitation Summary

Current as of Jun 21, 2017

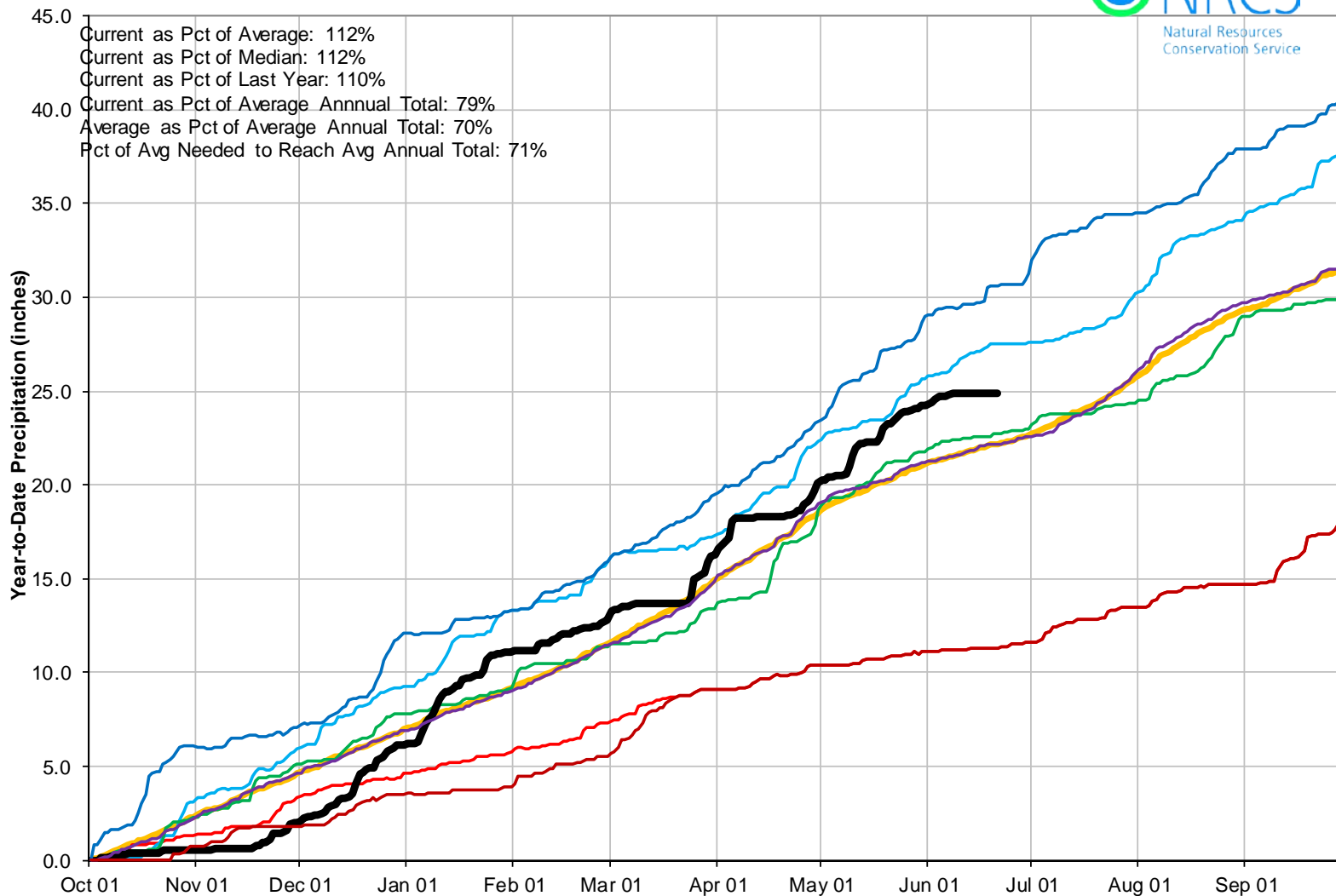


0 10 20 40 60 80 Miles



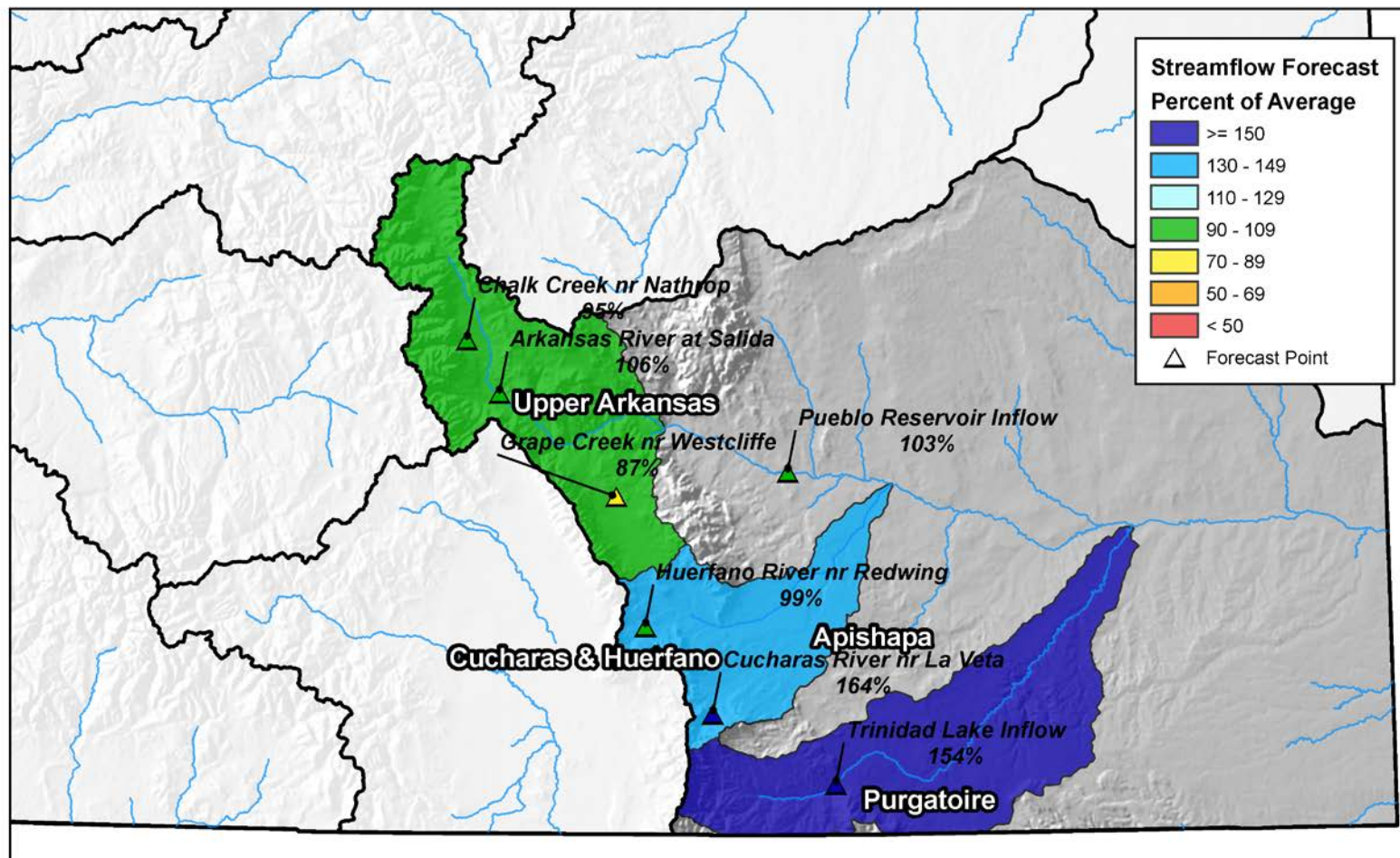
Arkansas River Basin High/Low Year-to-Date Precipitation Summary

Based on Provisional SNOTEL data as of Jun 21, 2017

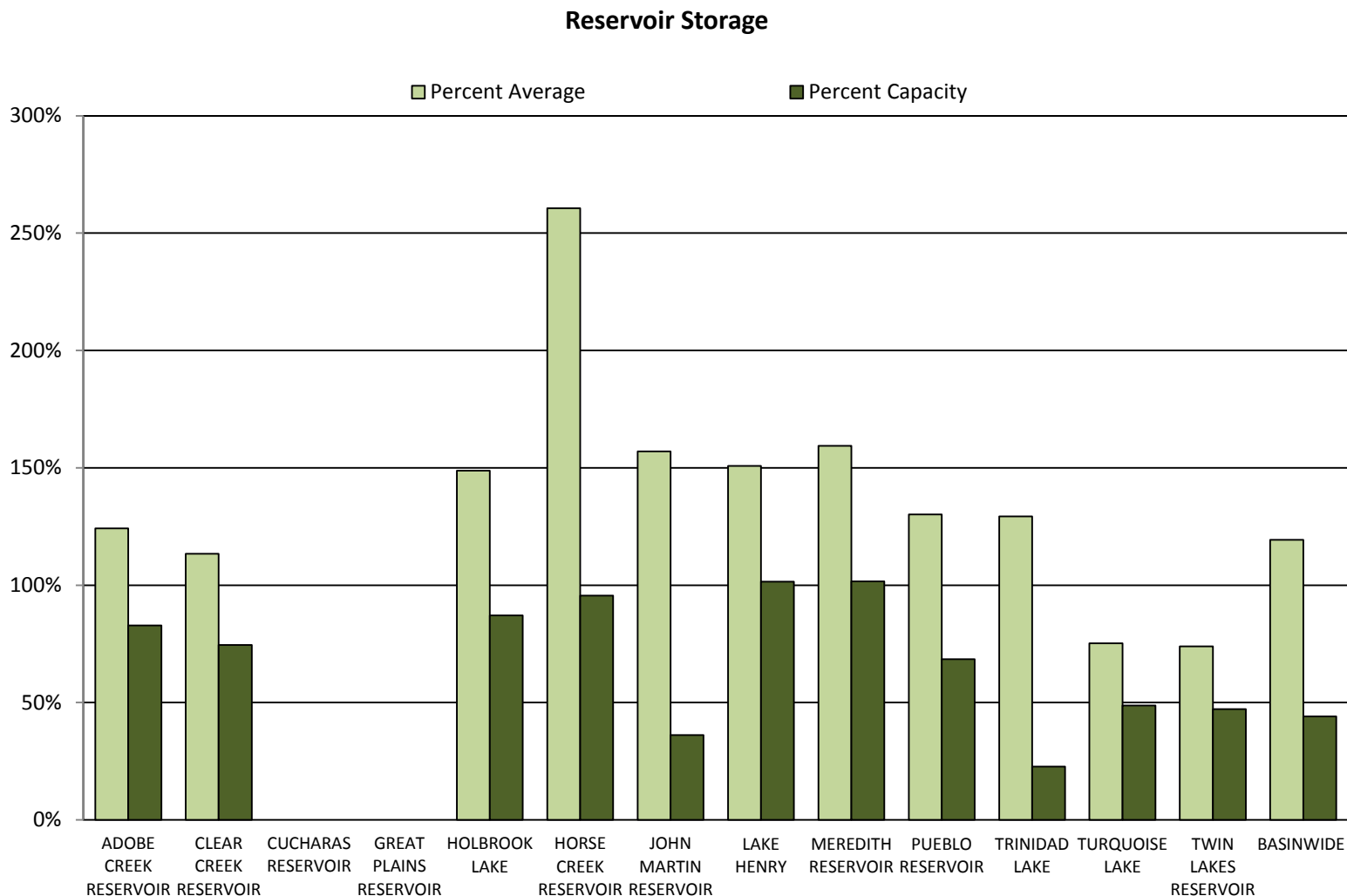


Arkansas River Basin Streamflow Forecast Summary

June 1, 2017

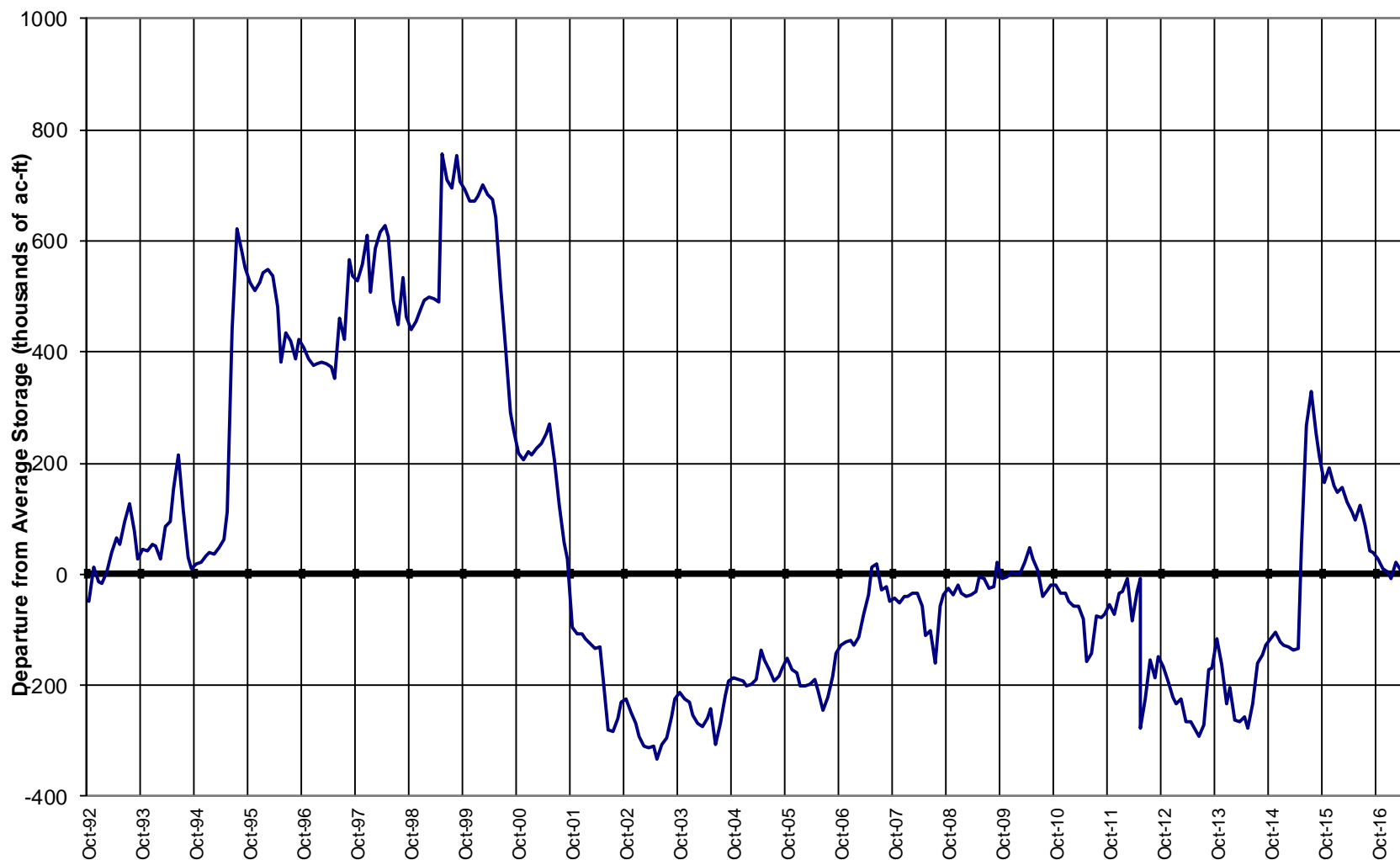


0 10 20 40 60 80 Miles



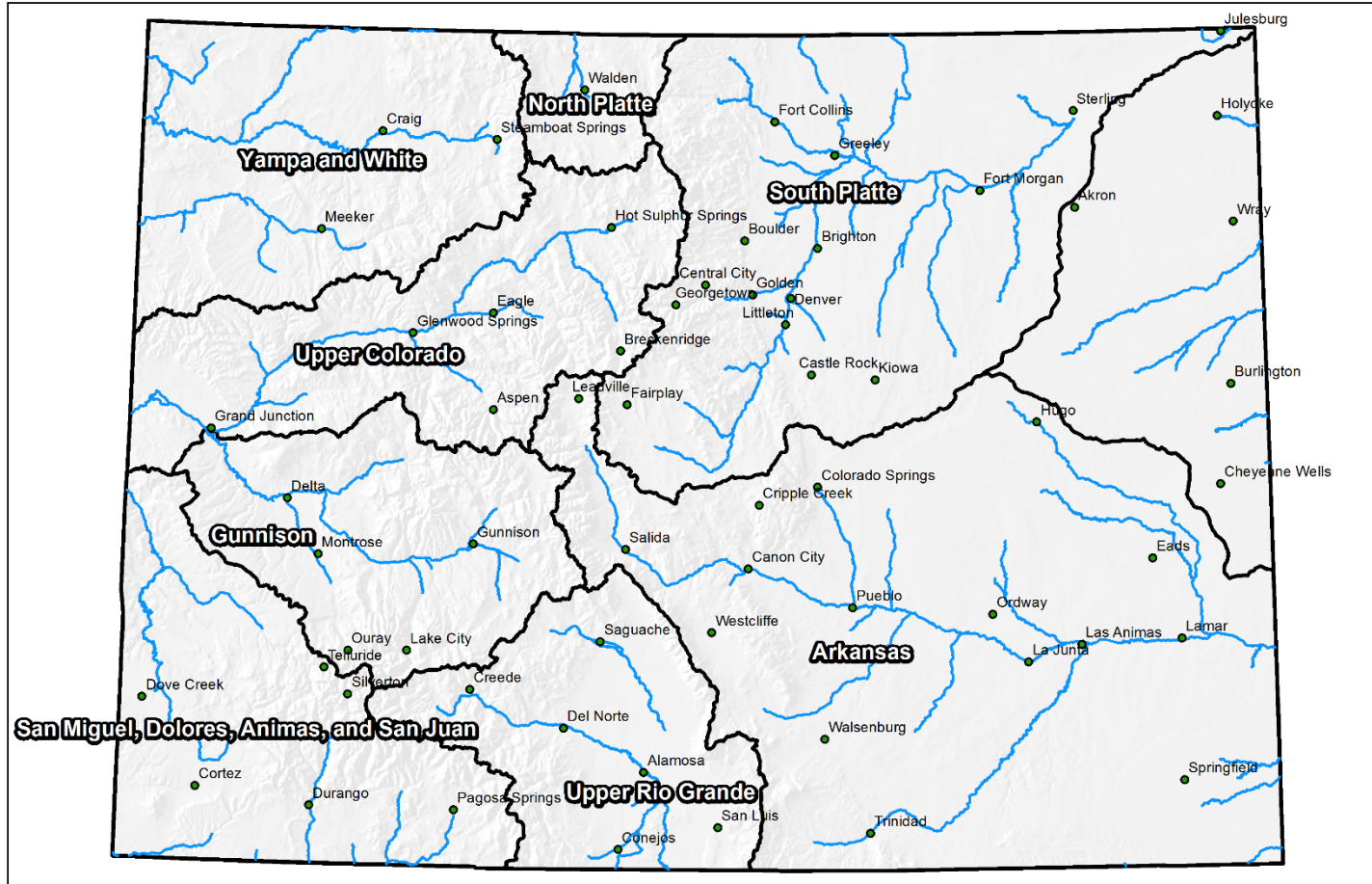


ARKANSAS RIVER BASIN Reservoir Storage Departure from Average



Colorado Statewide Summary

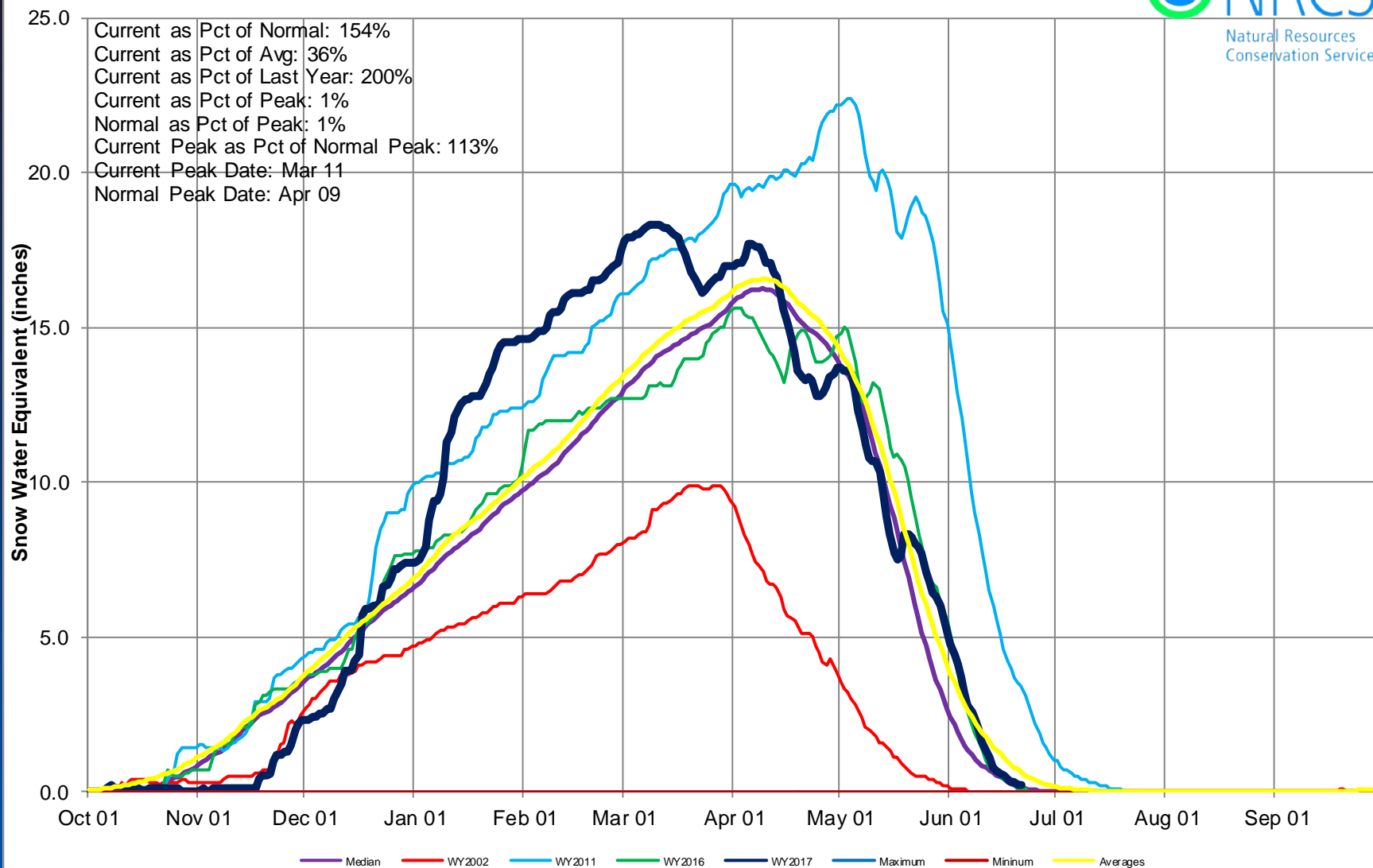
Colorado Major Basins



0 25 50 100 150 200 Miles

Colorado Statewide High/Low Snowpack Summary

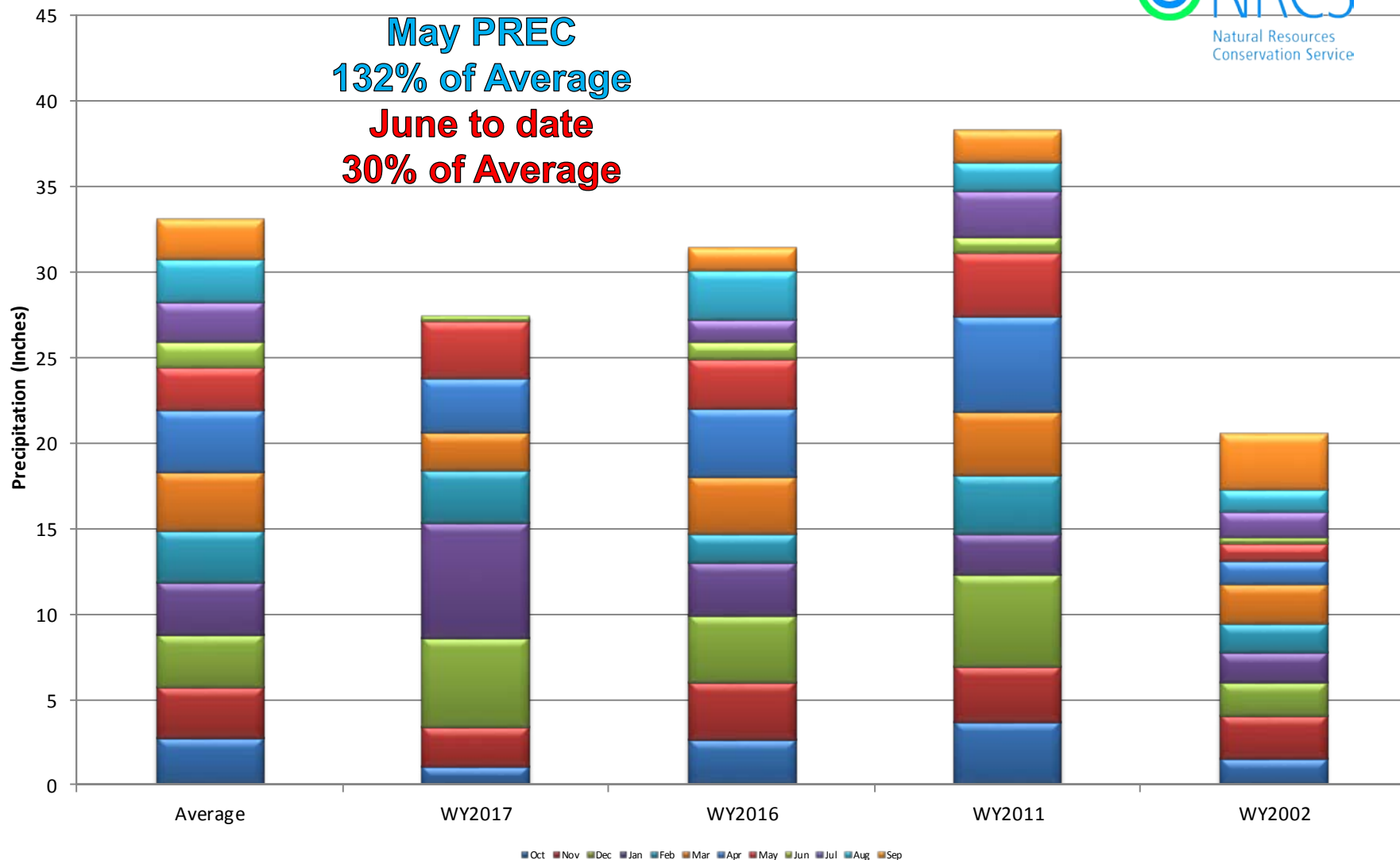
Based on Provisional SNOTEL data as of Jun 21, 2017





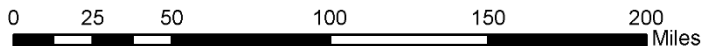
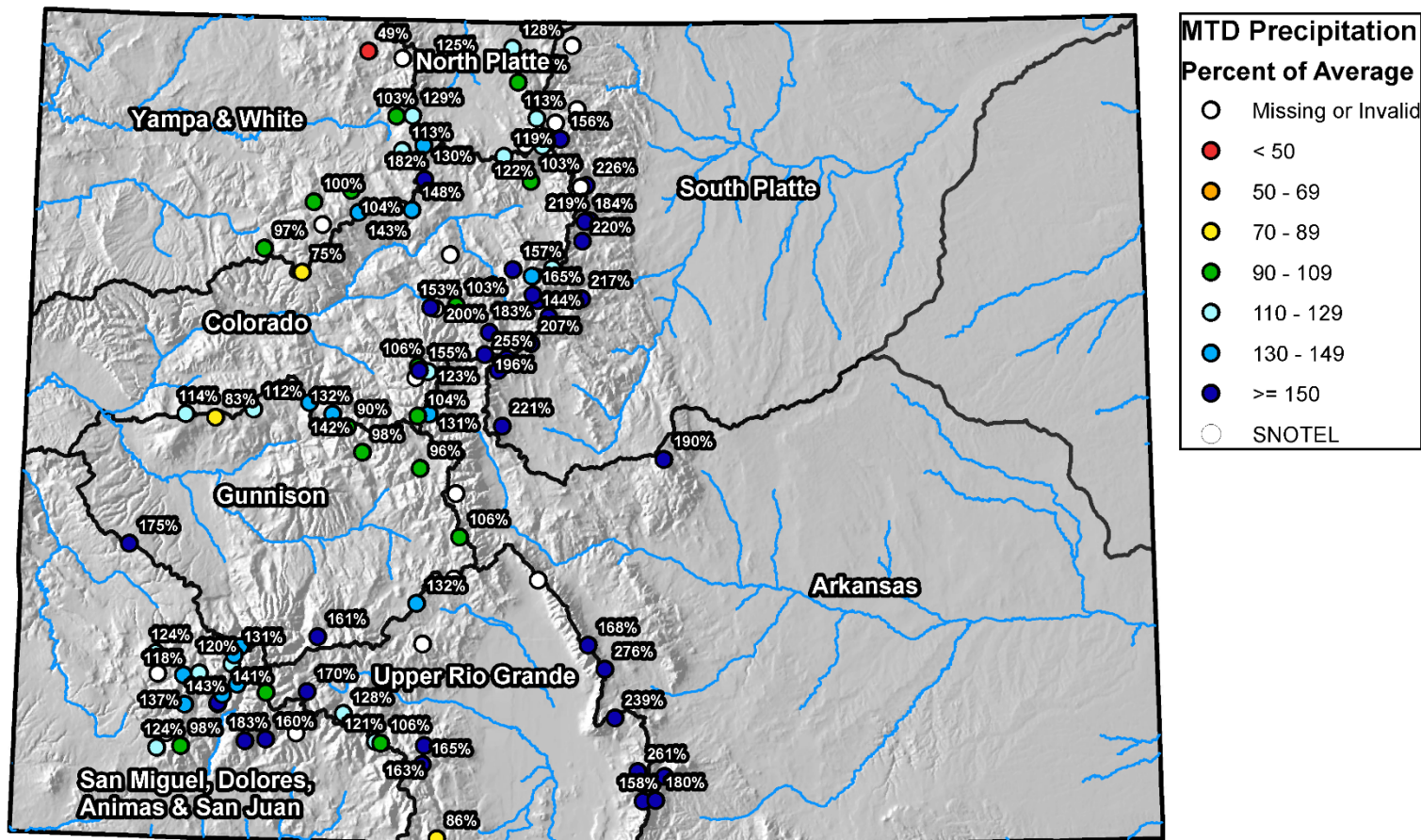
Colorado Statewide High/Low Monthly Precipitation Summary

Based on Provisional SNOTEL data as of Jun 21, 2017



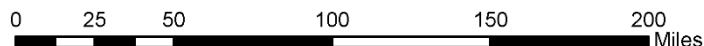
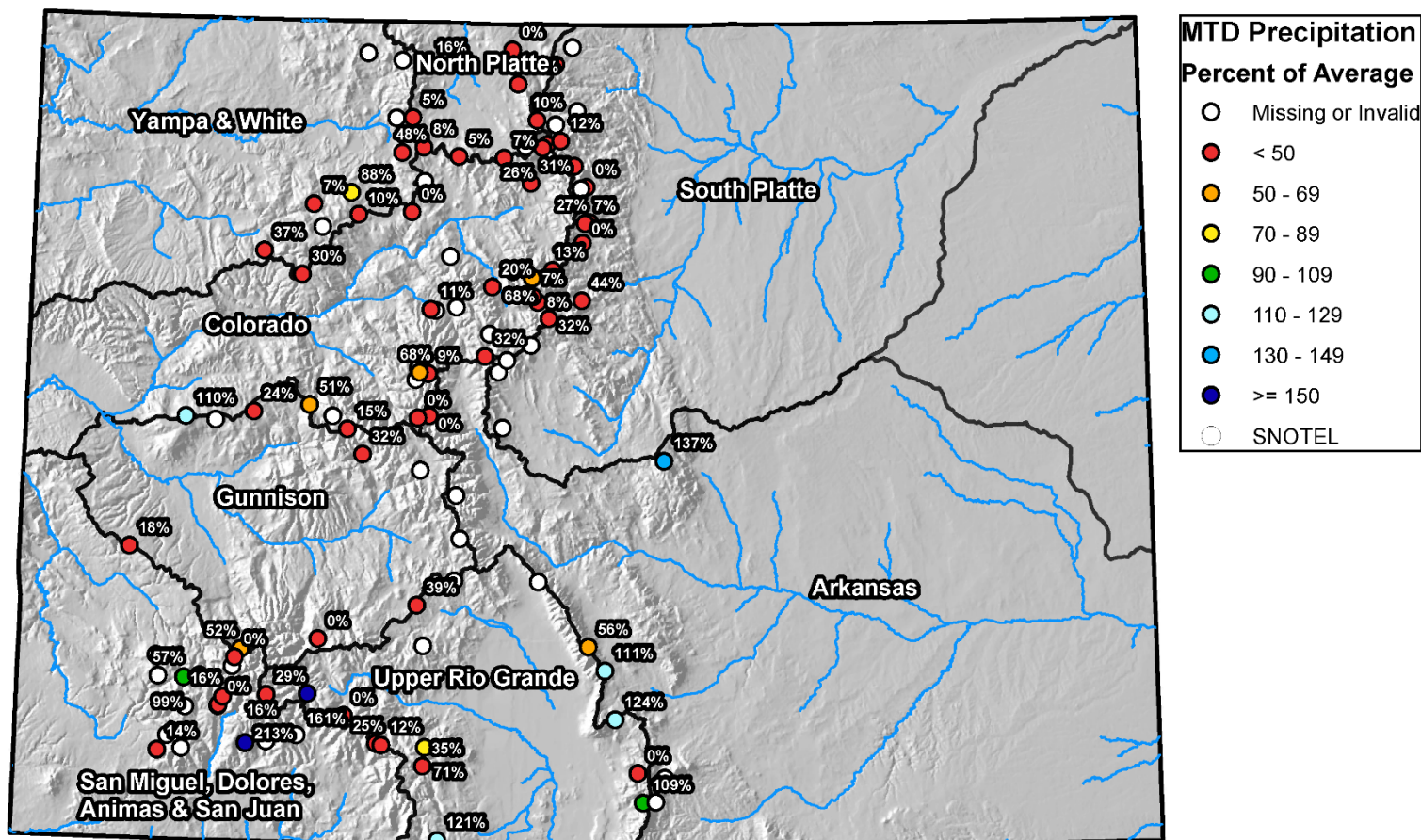
Colorado SNOTEL Month-to-Date Precipitation

Current as of May 25, 2017



Colorado SNOTEL Month-to-Date Precipitation

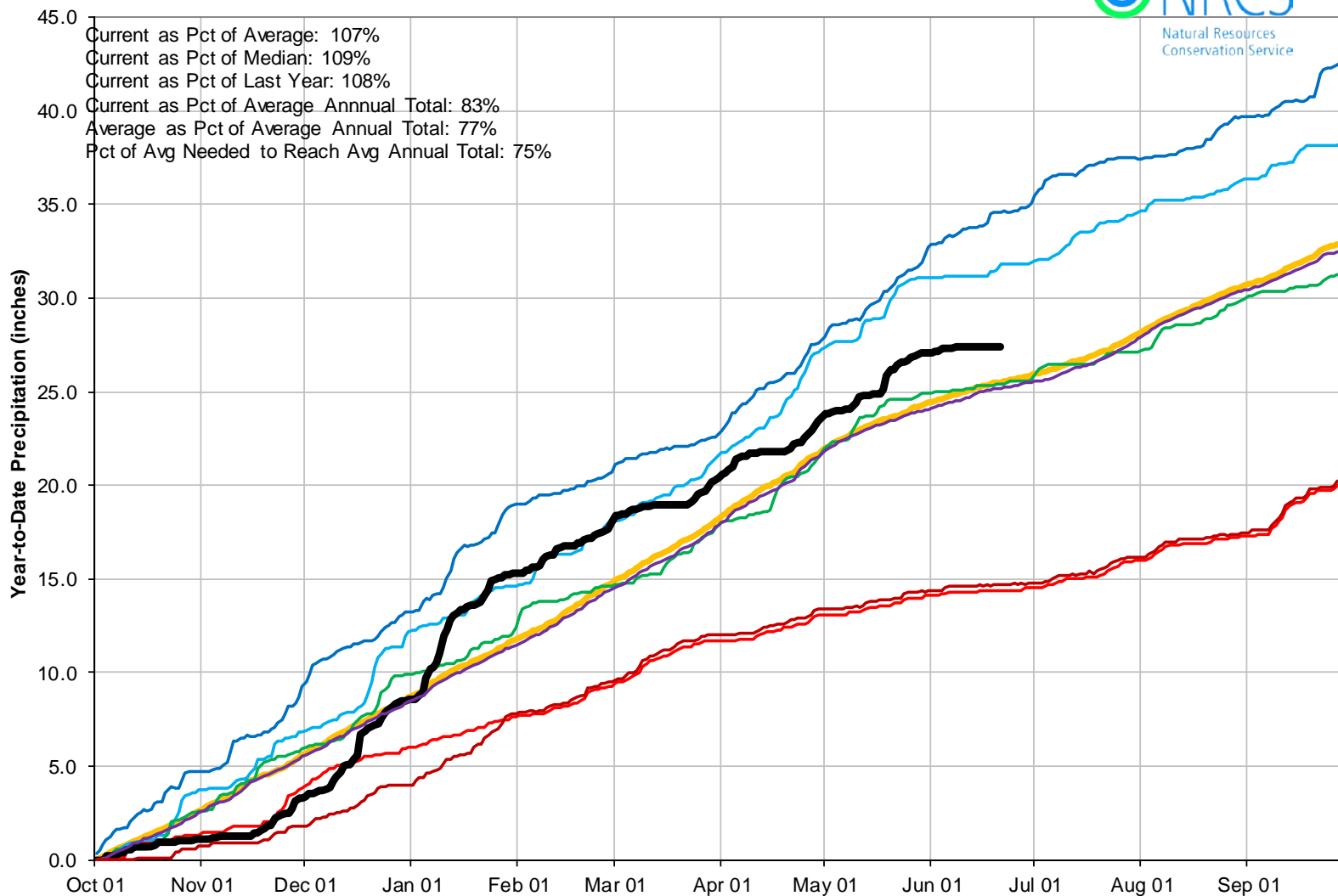
Current as of Jun 21, 2017





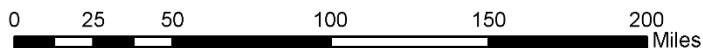
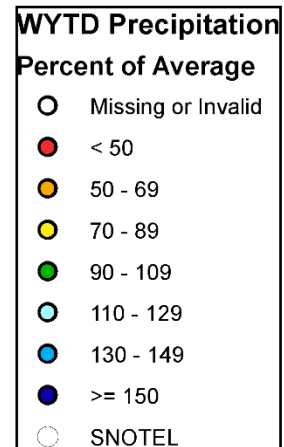
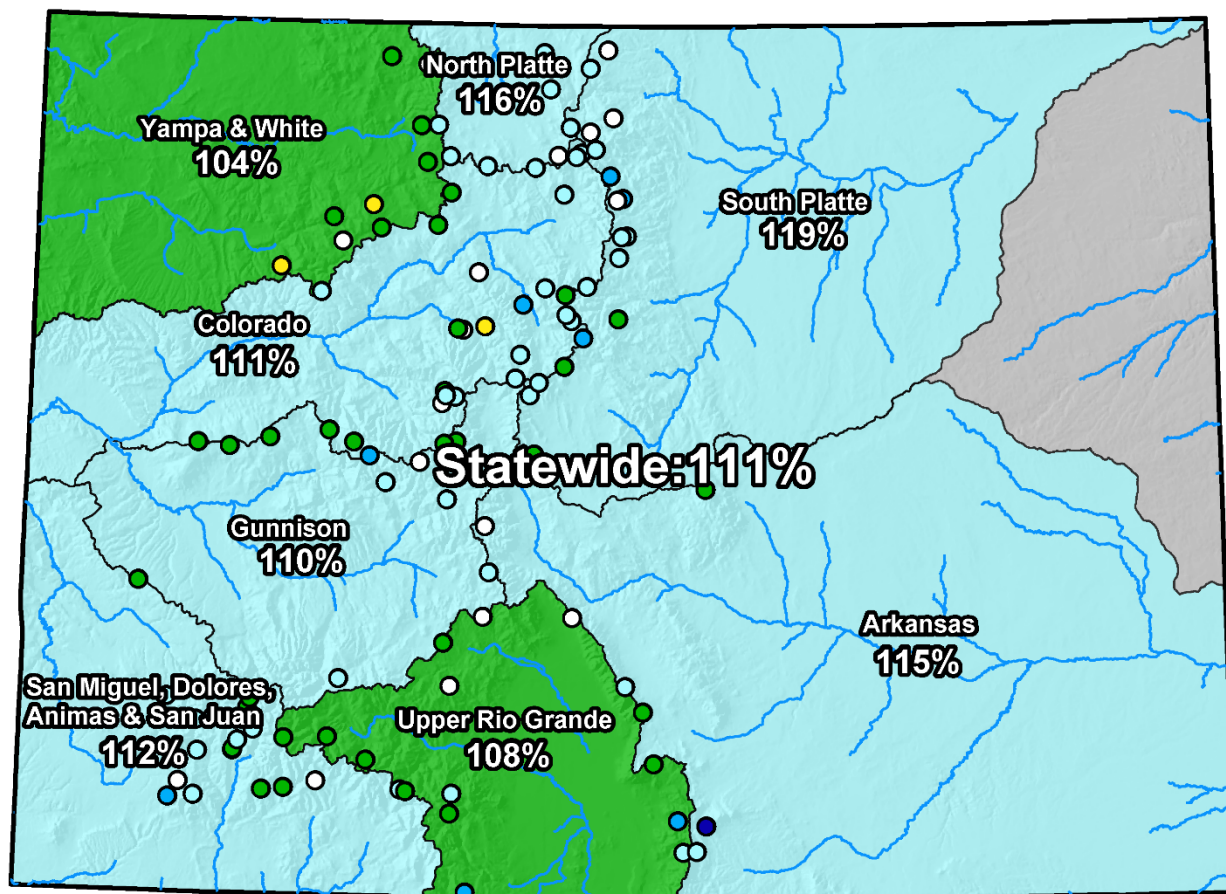
Colorado Statewide High/Low Year-to-Date Precipitation Summary

Based on Provisional SNOTEL data as of Jun 21, 2017



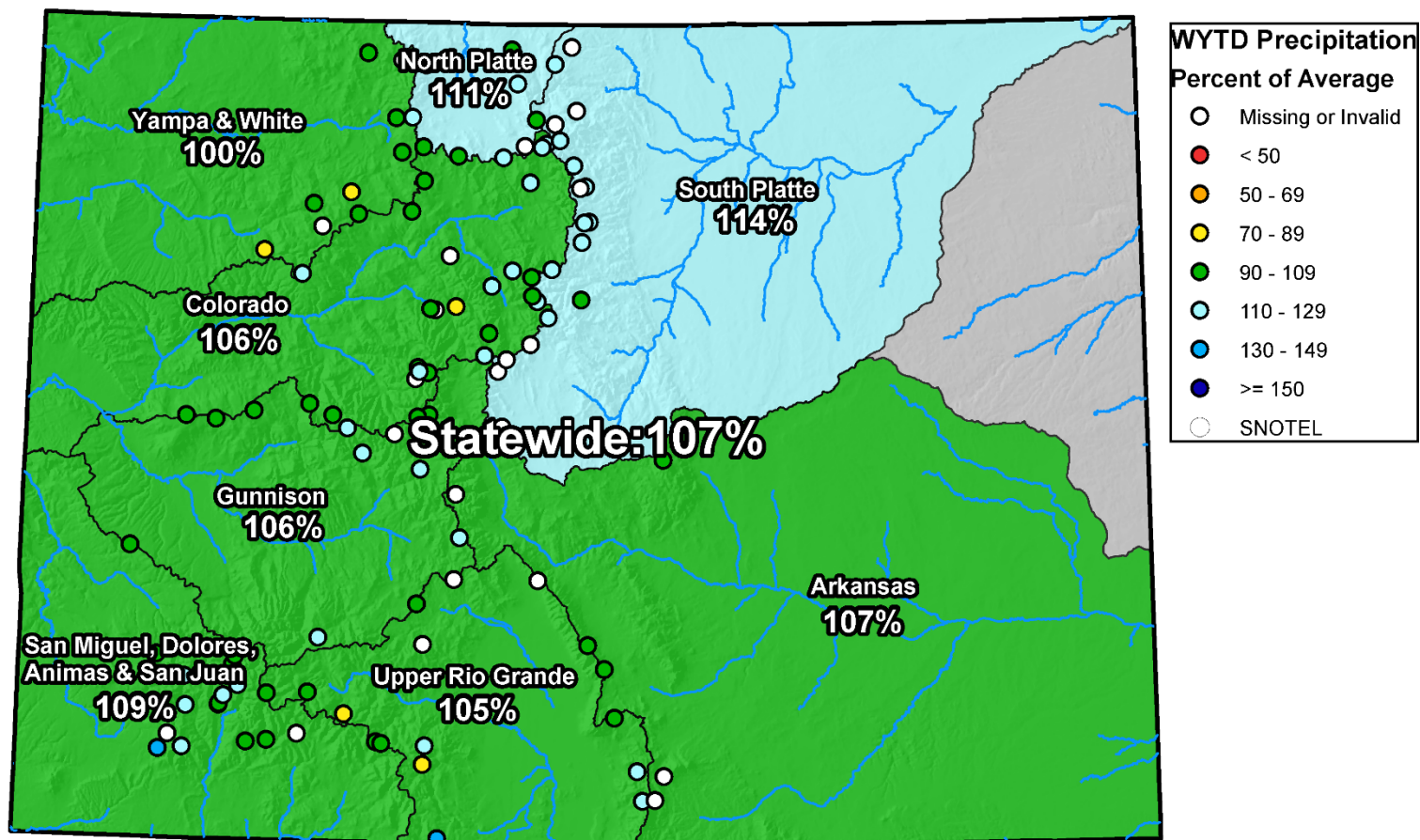
Colorado SNOTEL Water Year to Date Precipitation

Current as of May 25, 2017



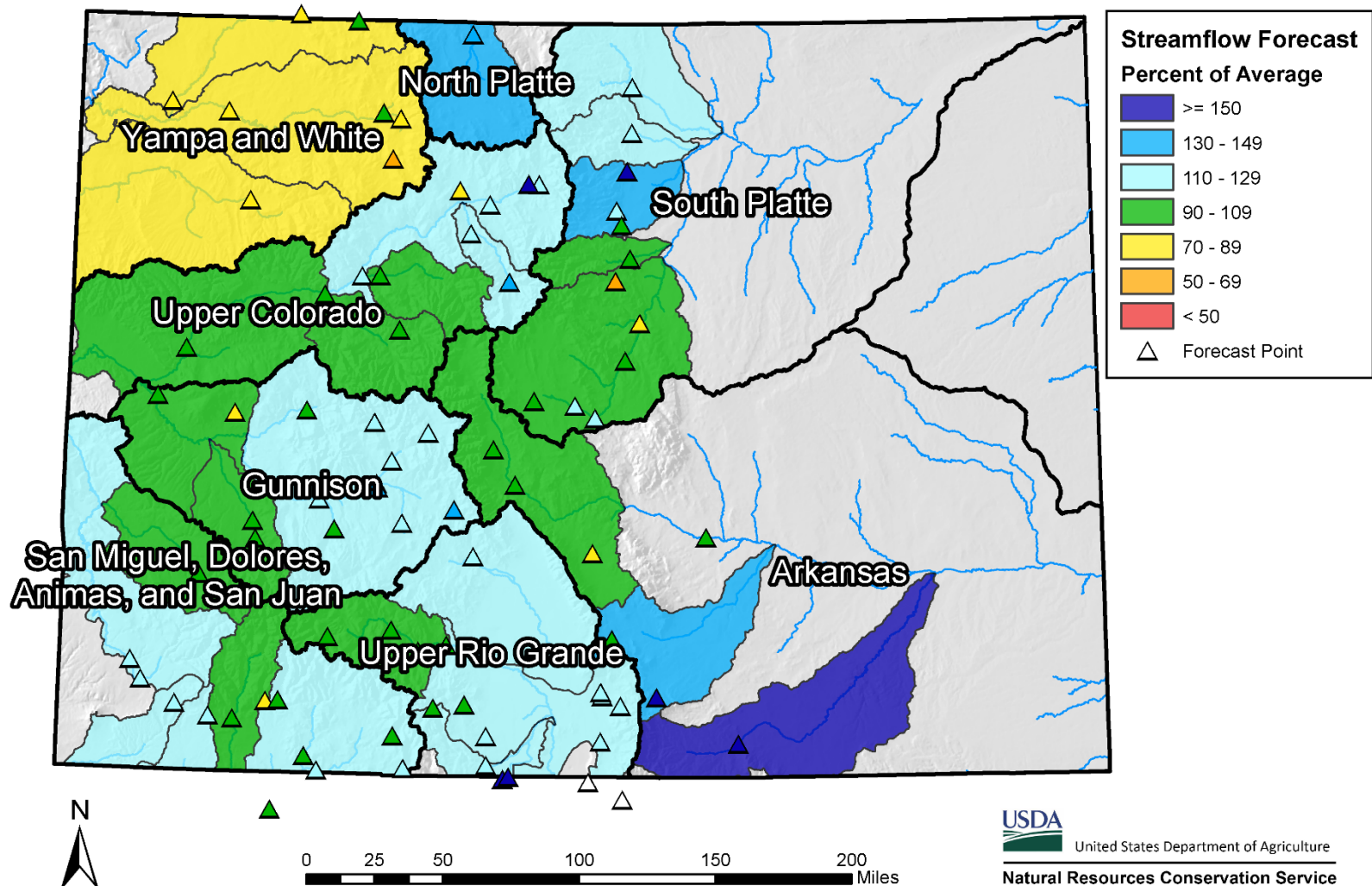
Colorado SNOTEL Water Year to Date Precipitation

Current as of Jun 21, 2017



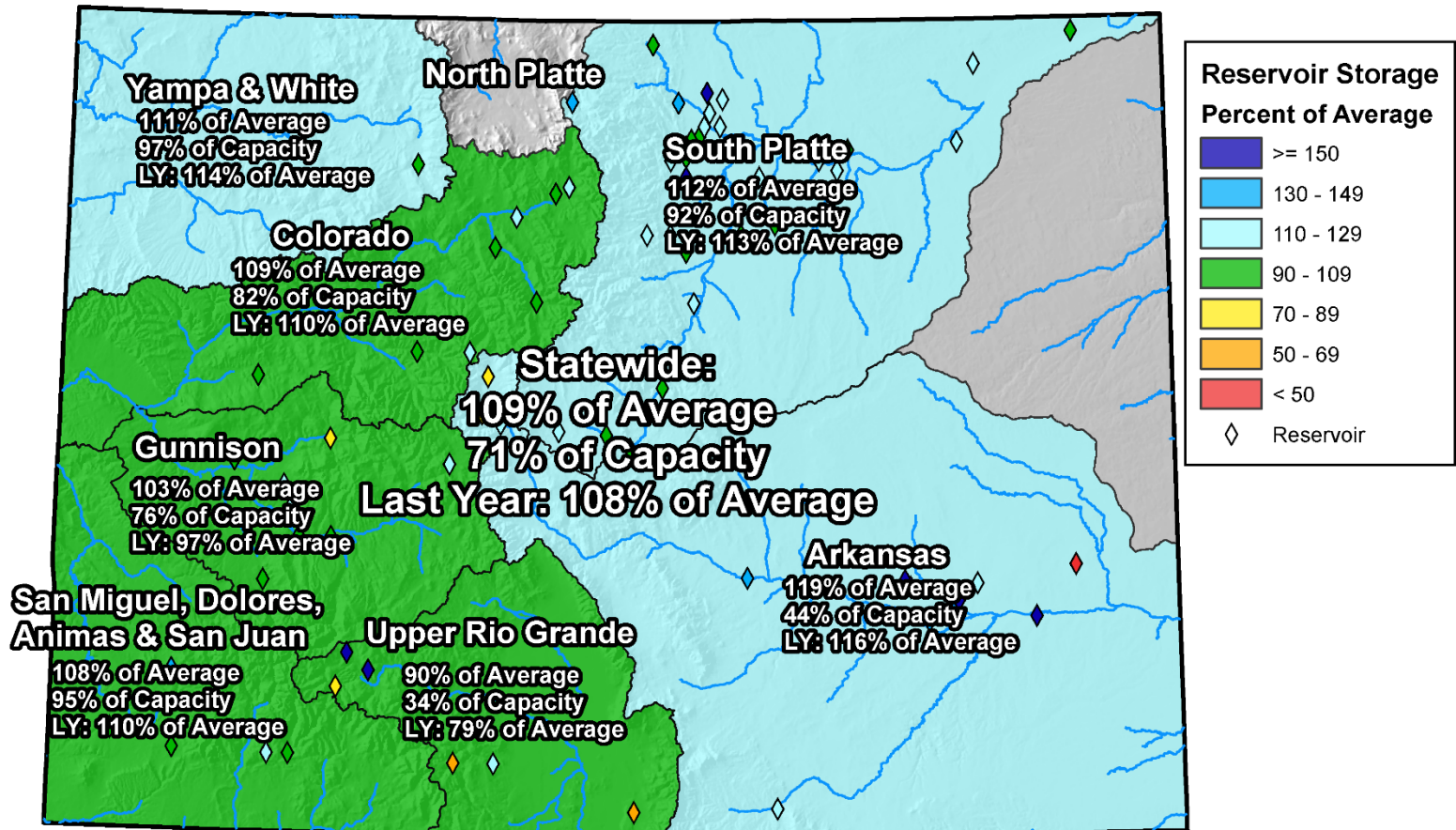
0 25 50 100 150 200 Miles

Colorado Streamflow Forecasts Summary June 1, 2017



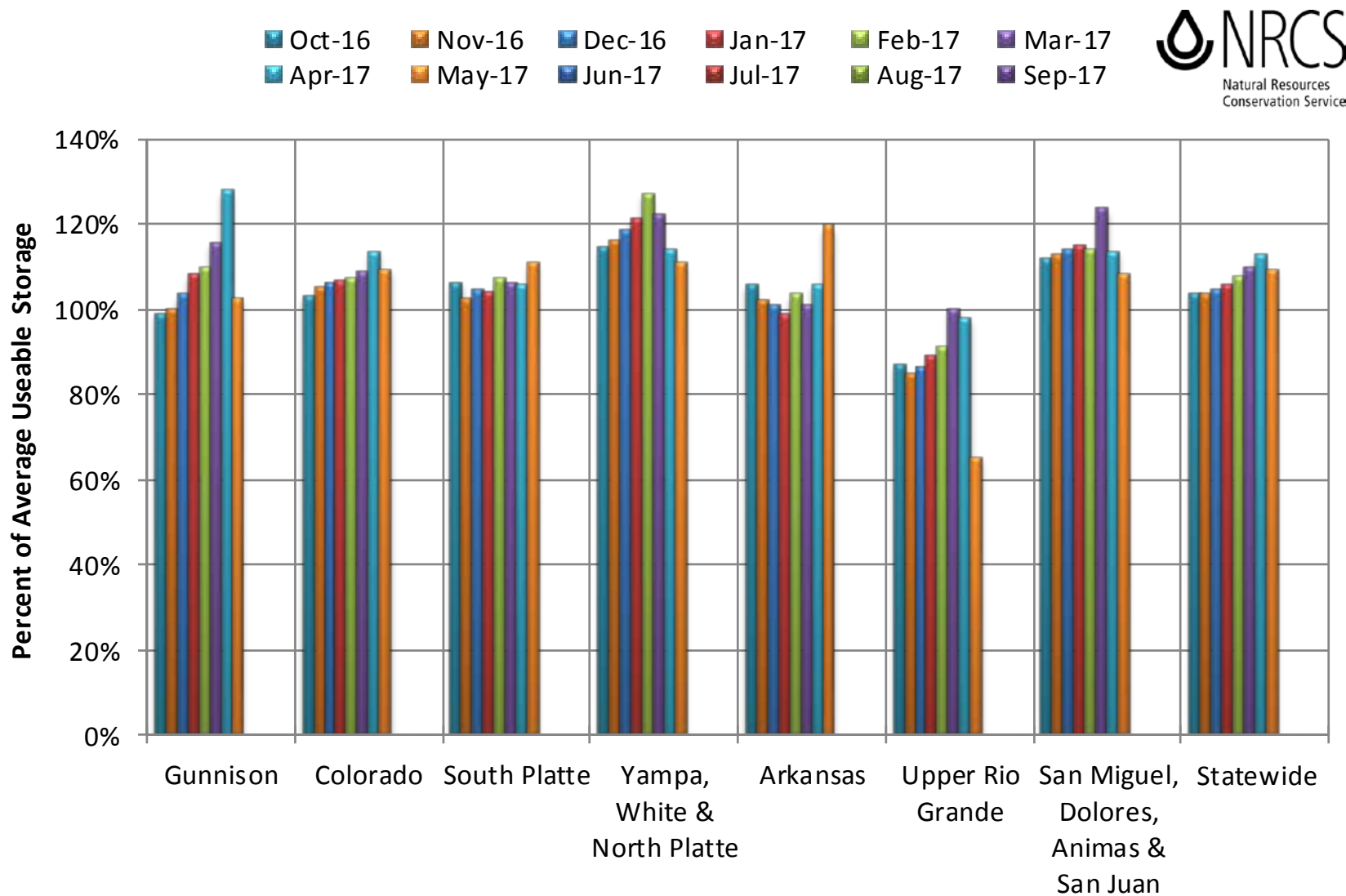
Colorado Monthly Reservoir Storage Summary

End of May 2017



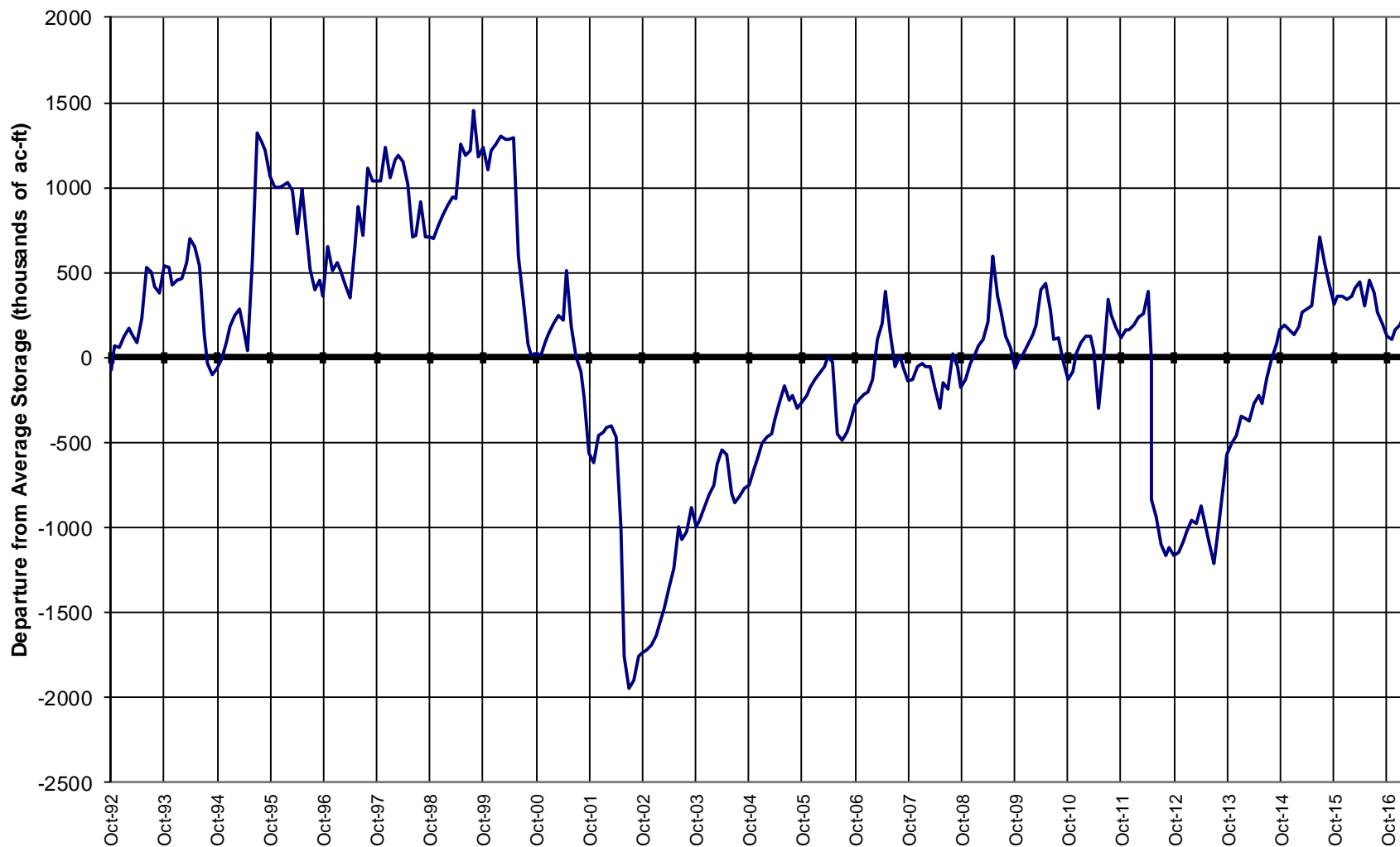
0 25 50 100 150 200 Miles

Colorado Reservoir Storage





COLORADO STATEWIDE Reservoir Storage Departure from Average



Colorado Snow Surveys



River Conditions

Data Updated: 06/21/15Z

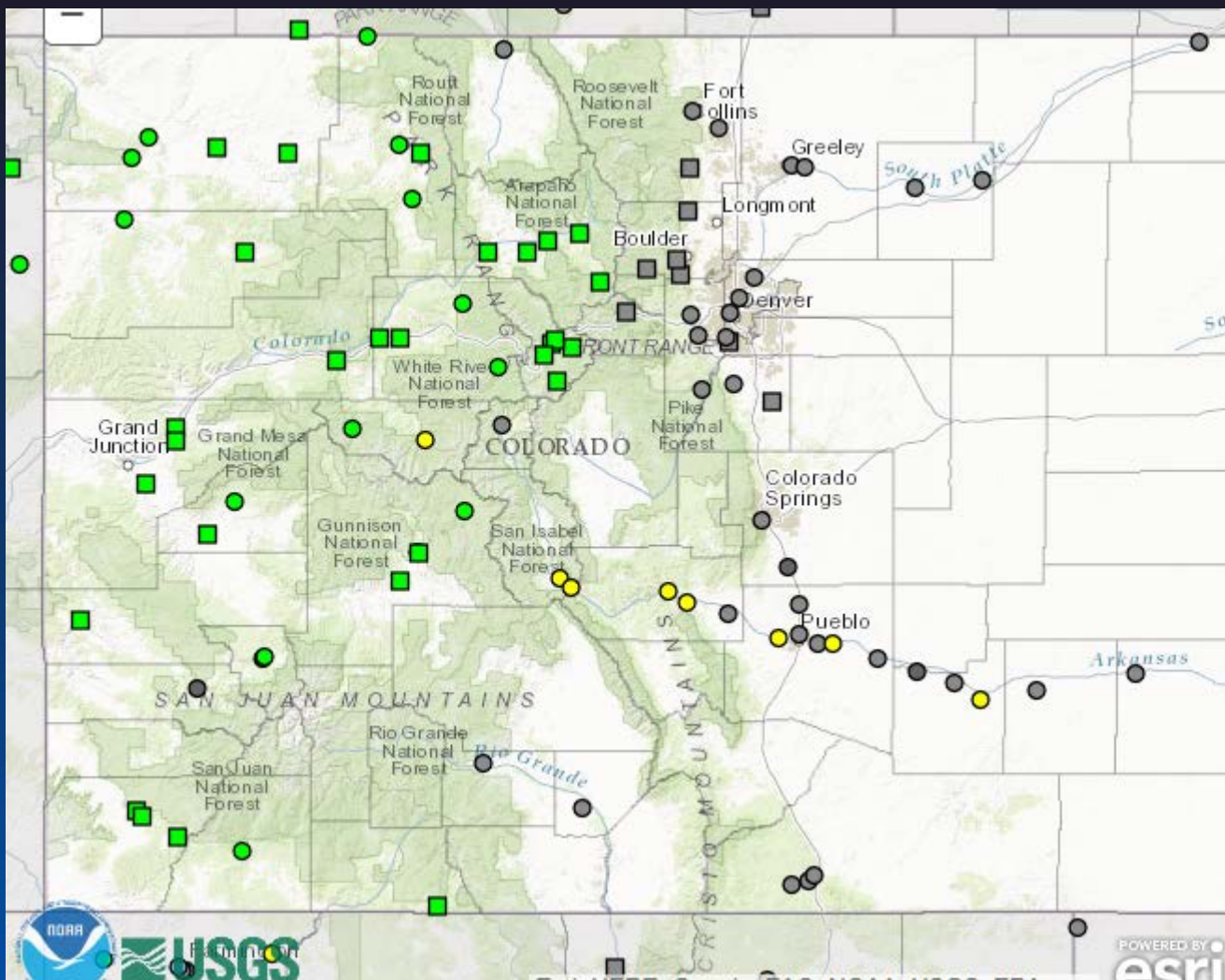
☒ Show [Hide Other Types](#)

- ☐ Data
- ☒ Forecast
- ☒ Reservoir Inflow
- ☒ Reservoir Outflow
- ☒ Official Flood
- ☒ Active

- Not Available
- Normal
- Significant Rise
- Near Bankfull
- Above Bankfull
- Above Flood Stage
- Outlook (> 3 days)

Courtesy NOAA
CBRFC

Colorado Snow Surveys



Colorado

NWS Weather Forecast Offices

NWS River Forecast Centers

Water Resources Regions

○ Probability and forecasts available
□ Forecasts available

117 total gauges
[Show all locations in flood \(0\)](#)

- 0 Gauges: Major Flooding
- 0 Gauges: Moderate Flooding
- 0 Gauges: Minor Flooding
- 11 Gauges: Near Flood Stage
- 47 Gauges: No Flooding
- 1 Flood Category Not Defined
- 0 At or Below Low Water Threshold
- 0 Gauges: Forecasts Are Not Current
- 55 Gauges: No forecast within selected timeframe
- 3 Gauges: Out of Service

[Show all locations](#)

Last map update:
06/21/2017 at 11:56:07 am EDT
06/21/2017 at 15:56:07 UTC

[What is UTC time?](#)

[Map Help](#)

[Disclaimer](#)

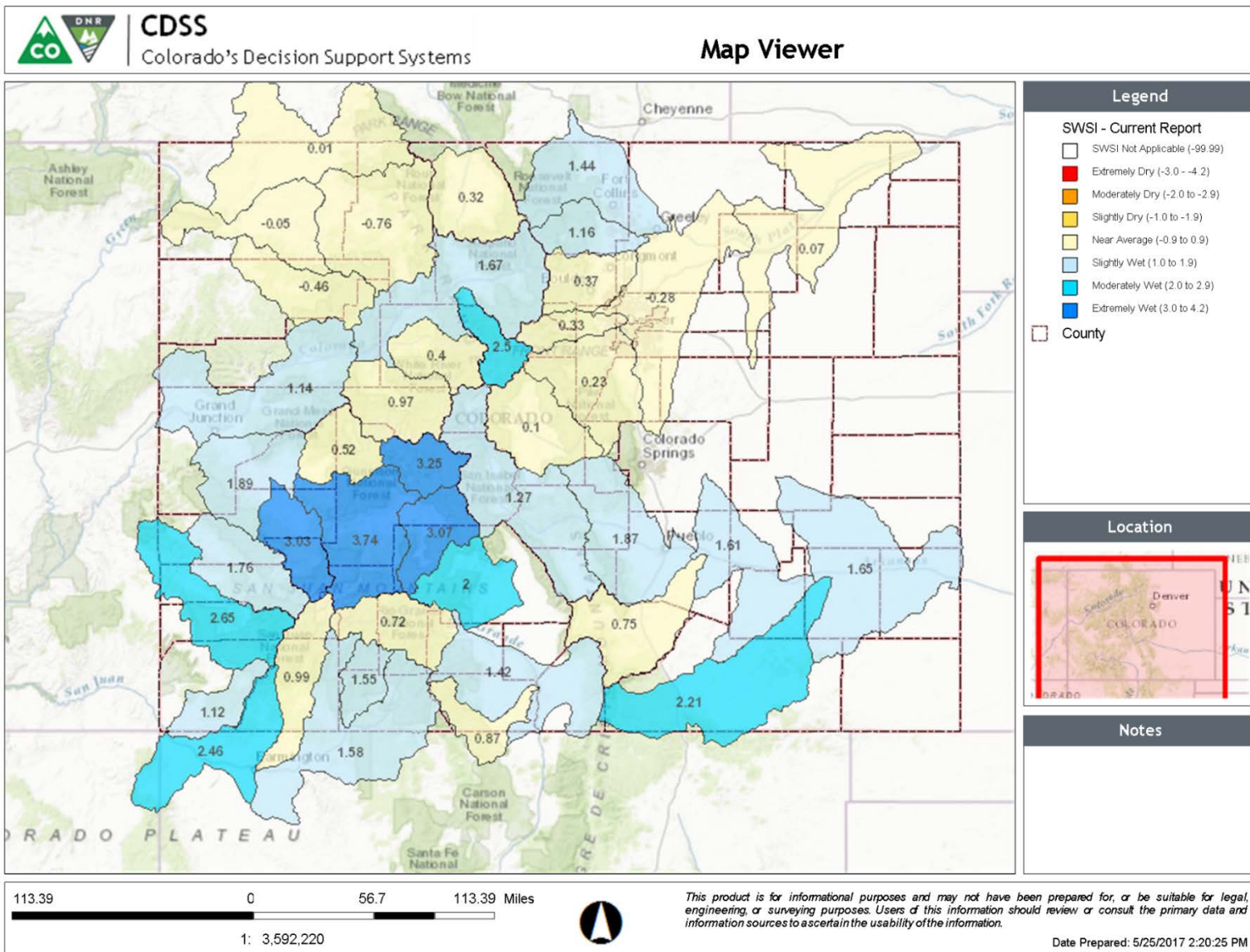
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United States Department of Agriculture

Colorado Snow Surveys

May 1, 2017 SWSI



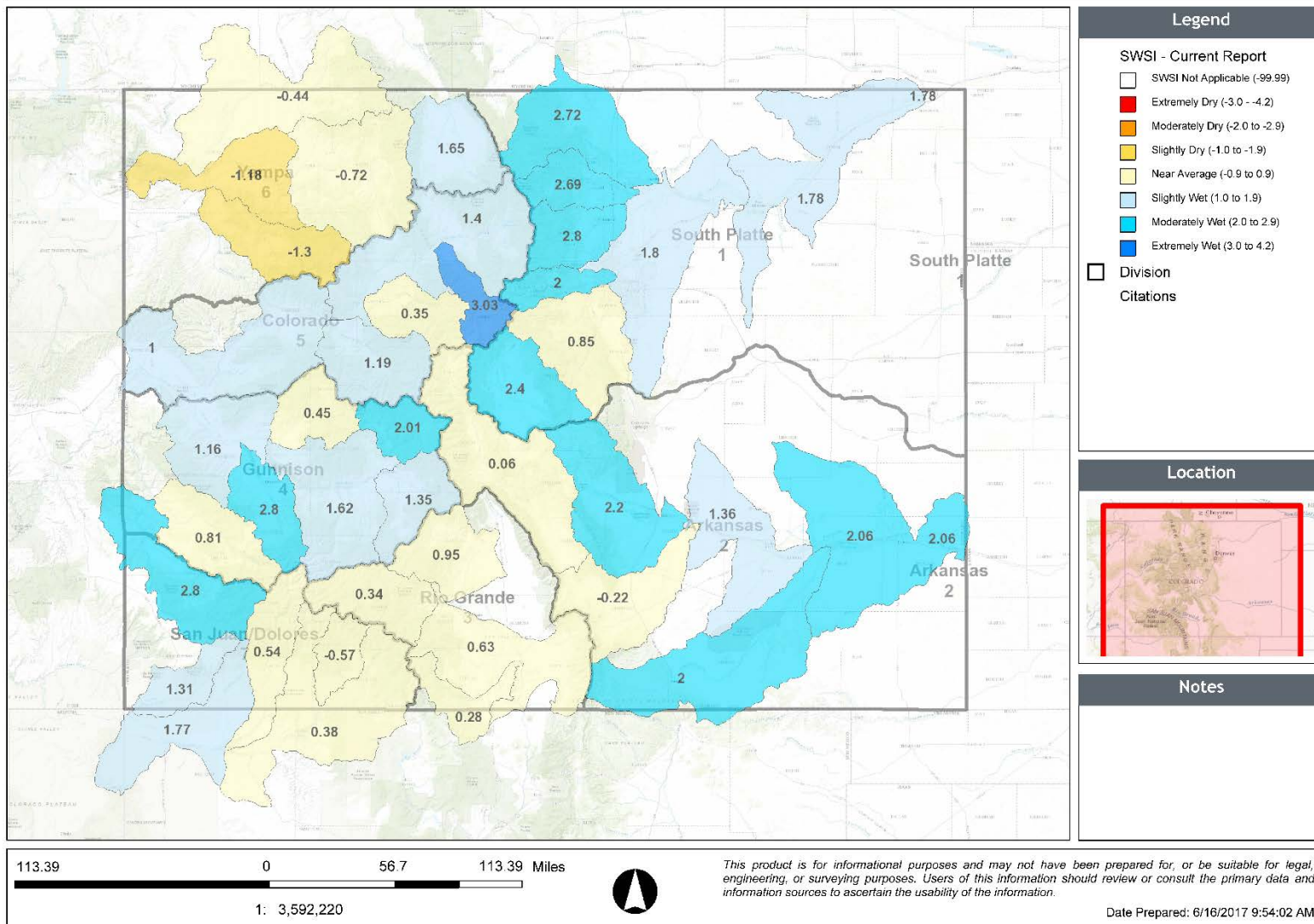
June 1, 2017 SWSI



CDSS

Colorado's Decision Support Systems

June 1, 2017 SWSI



Summary

- Colorado snowpack is nearly gone with exception of wind drifts above and slightly below treeline
- May precipitation ended at 132% of normal across the major river basins of Colorado however **June so far has only produced 30%**
- Statewide reservoir storage fell from 113% to 109% of normal
- Streamflow forecasts on June 1 improved over last month's and are generally near normal across state except in Yampa & White
- Current Streamflow Conditions
 - West of the Cont. Divide - generally normal and forecasts to fall in the coming days
 - Arkansas – on mainstem - forecasted to hover in action stage - in some cases near minor flood stage but generally remain high
 - South Platte – near normal - most streams in decline



United States Department of Agriculture

Colorado Snow Surveys

Water Availability Task Force Meeting

June 21st, 2017

NRCS Snow Survey and Water Supply Forecasting Program

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