



Water Availability Task Force Meeting

April 21st, 2020

NRCS Snow Survey and Water Supply Forecasting Program

Karl Wetlaufer

Hydrologist

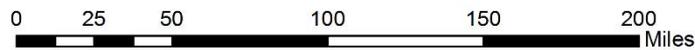
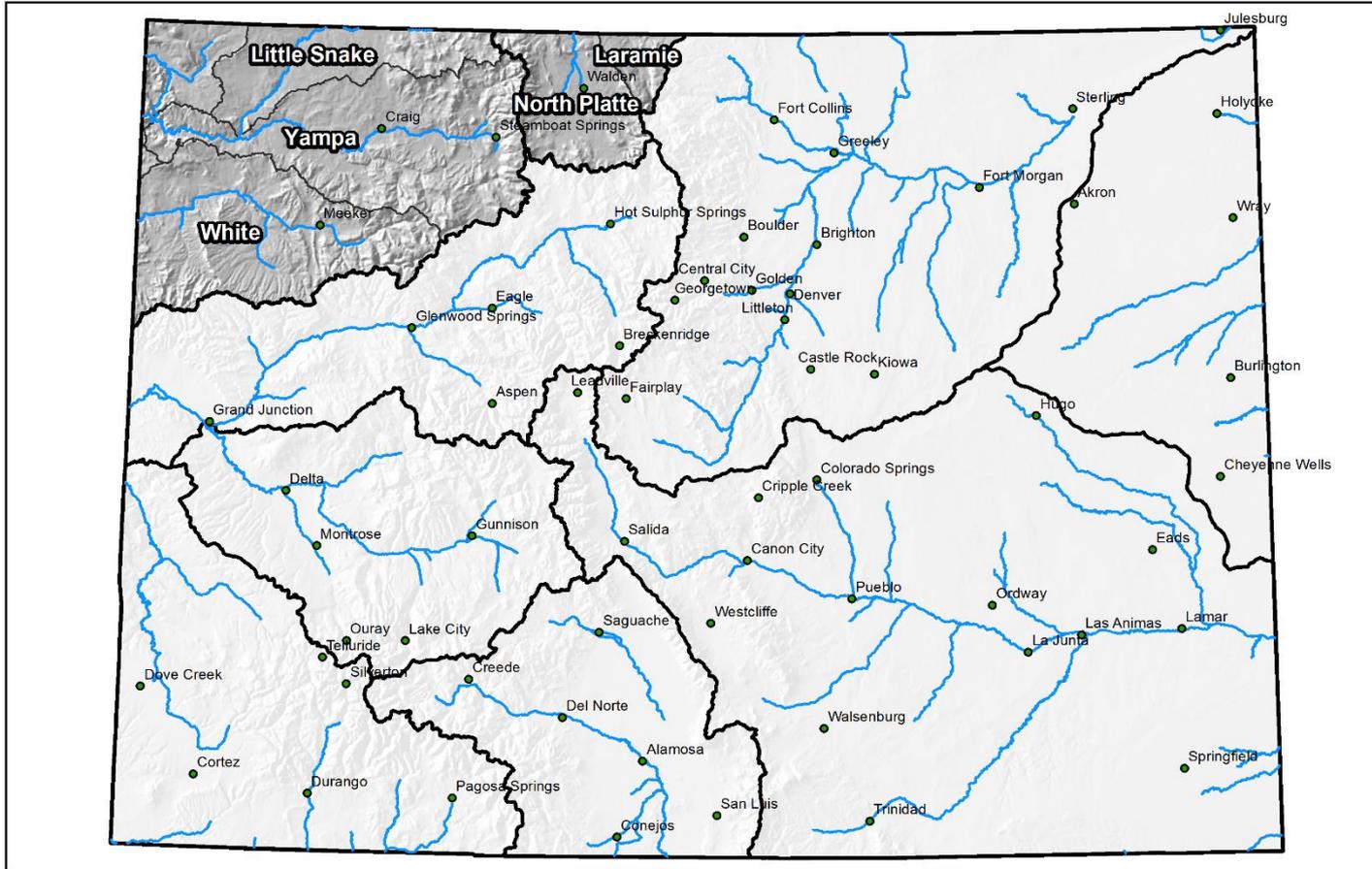
Asst. Snow Survey Supervisor

720-544-2853

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

Major Basin Summary

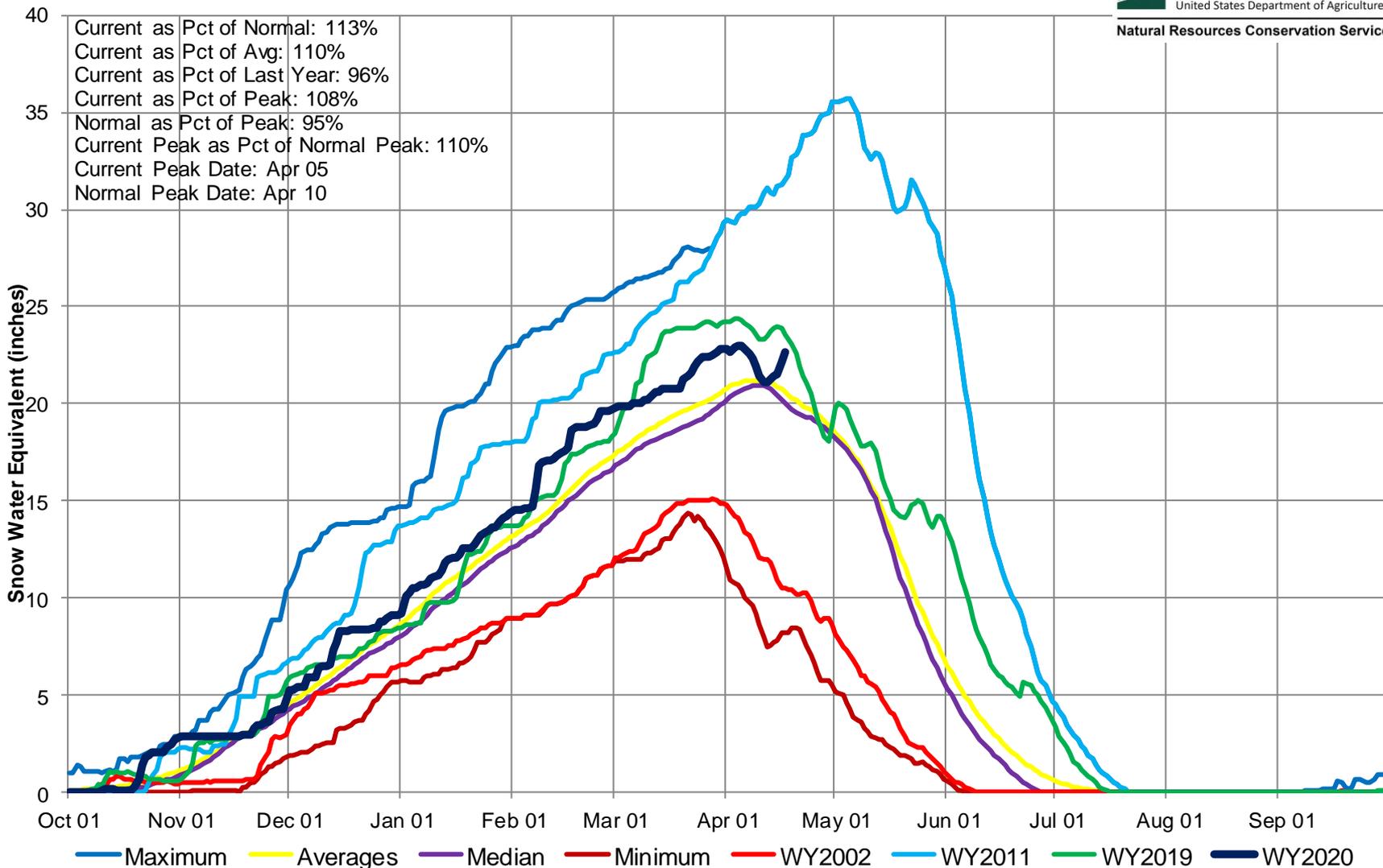
Yampa, White, and North Platte River Basins





Yampa and White River Basins High/Low Snowpack Summary

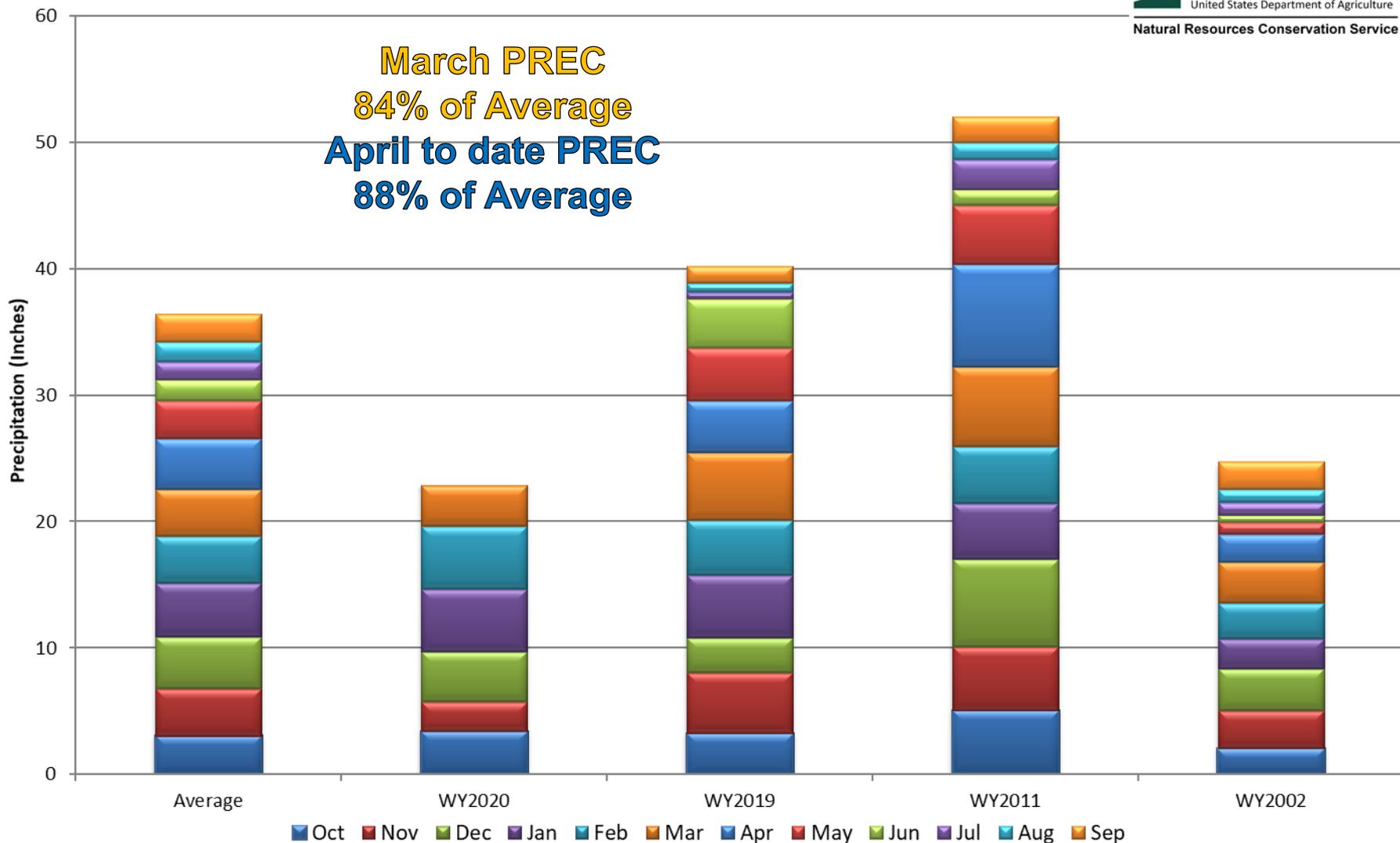
Based on Provisional SNOTEL data as of Apr 17, 2020



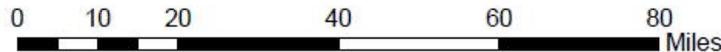
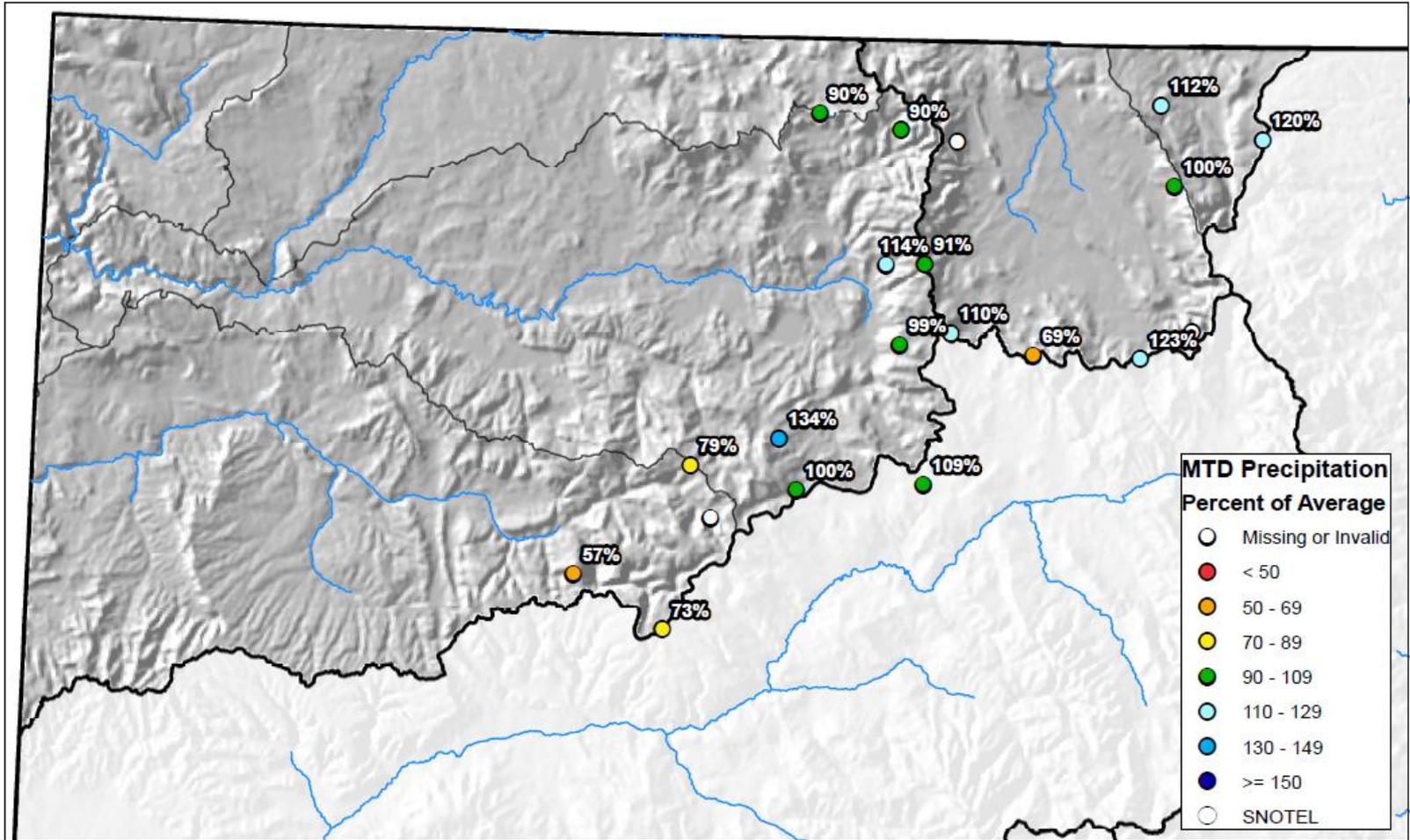
Yampa and White River Basins High/Low Monthly Precipitation Summary

Based on Provisional SNOTEL data as of Apr 17, 2020

March PREC
84% of Average
April to date PREC
88% of Average



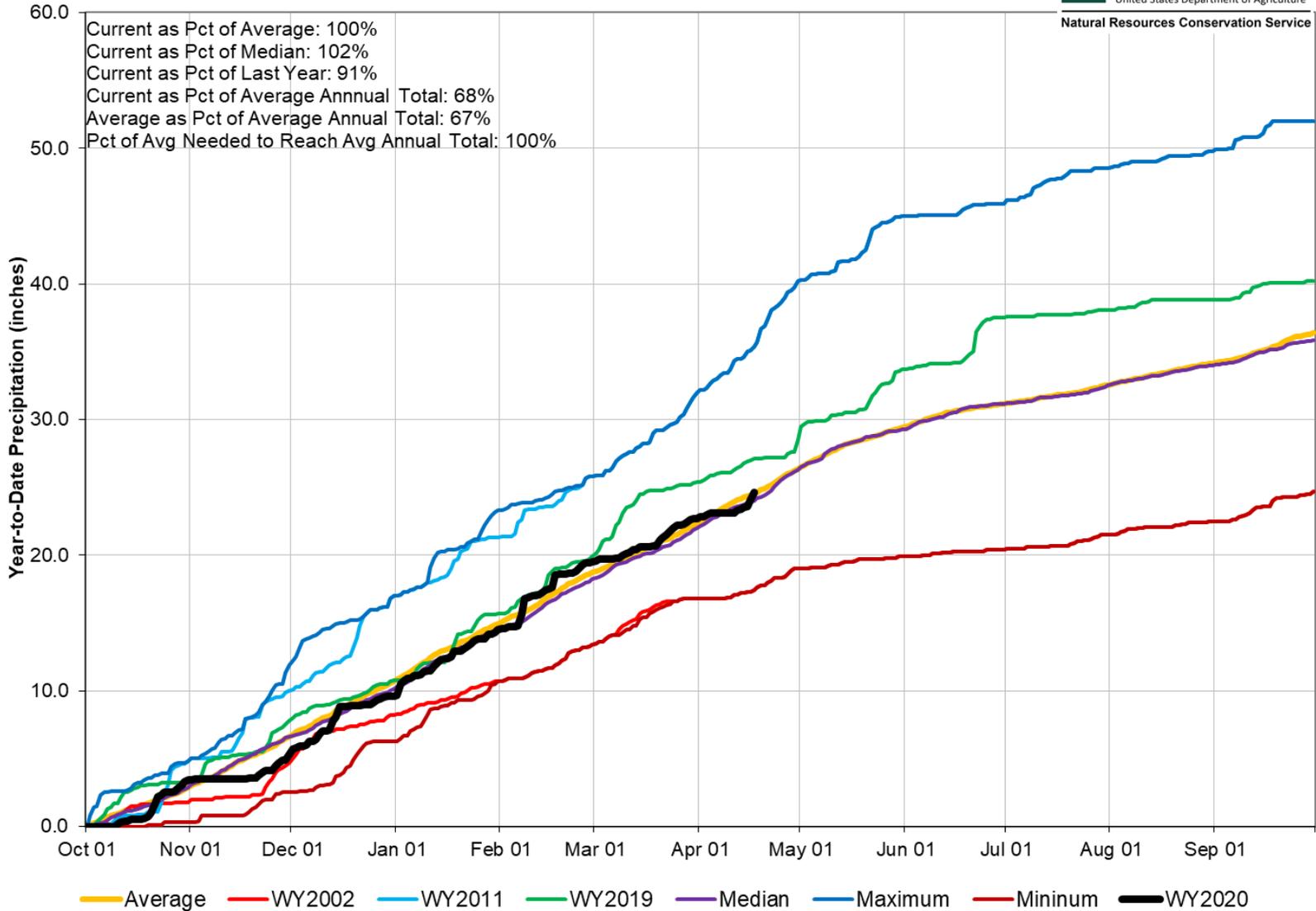
Yampa, White, and North Platte River Basins Month to Date Precipitation Summary Current as of Apr 20, 2020



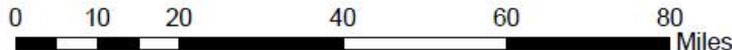
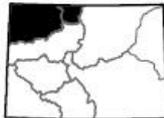
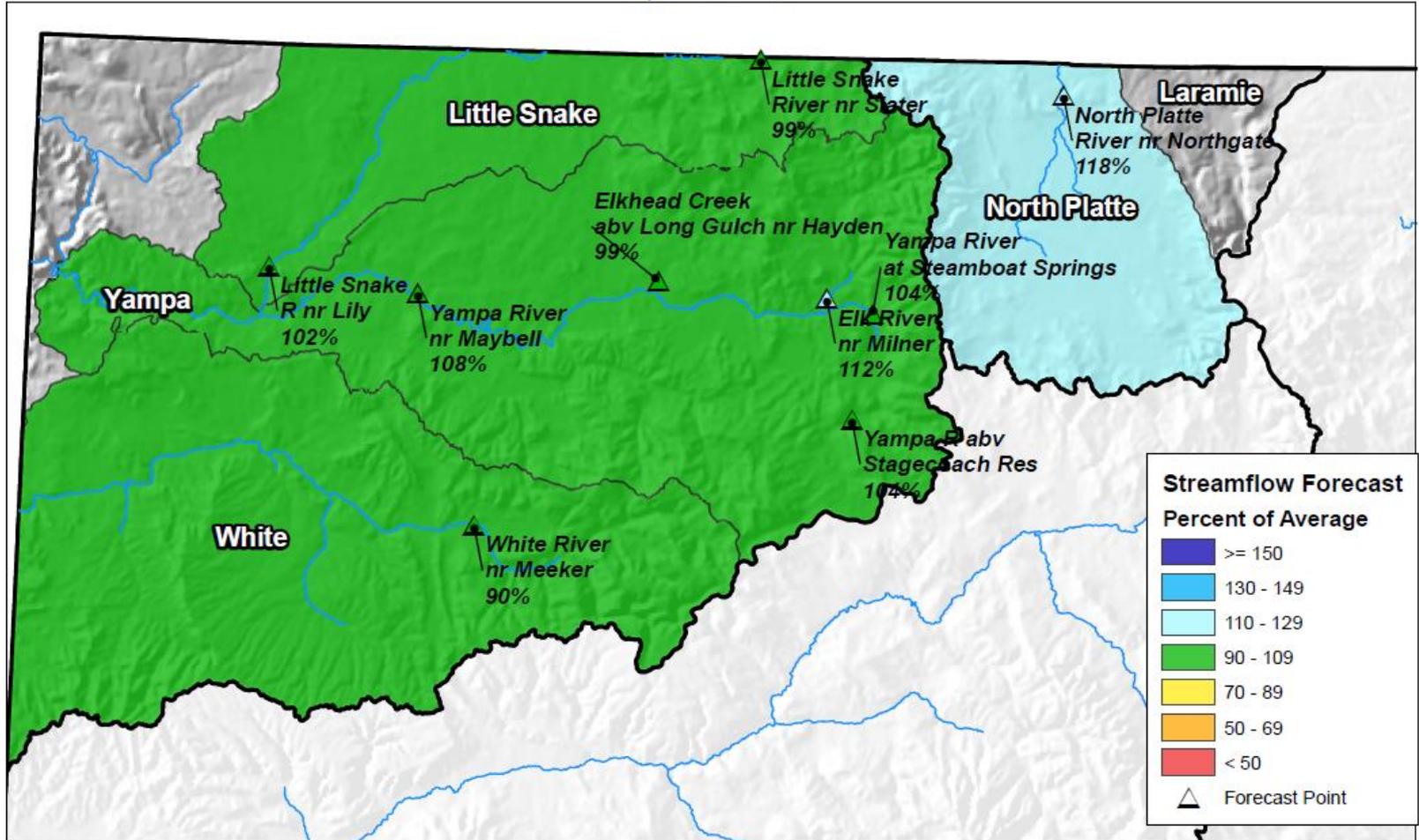
Yampa and White River Basins High/Low Year-to-Date Precipitation Summary

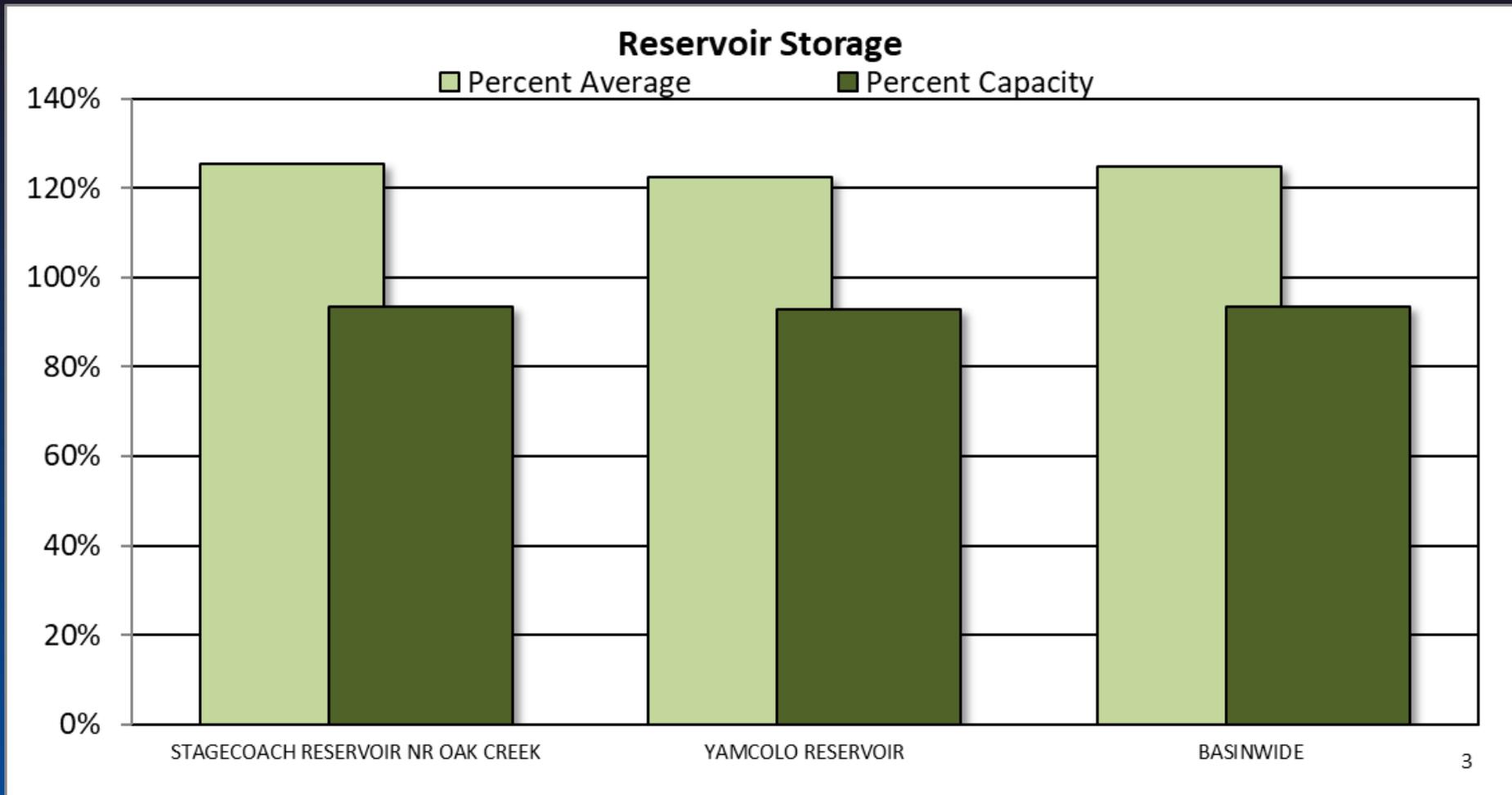
Based on Provisional SNOTEL data as of Apr 17, 2020

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Yampa, White, and North Platte River Basins Streamflow Forecast Summary April 1, 2020

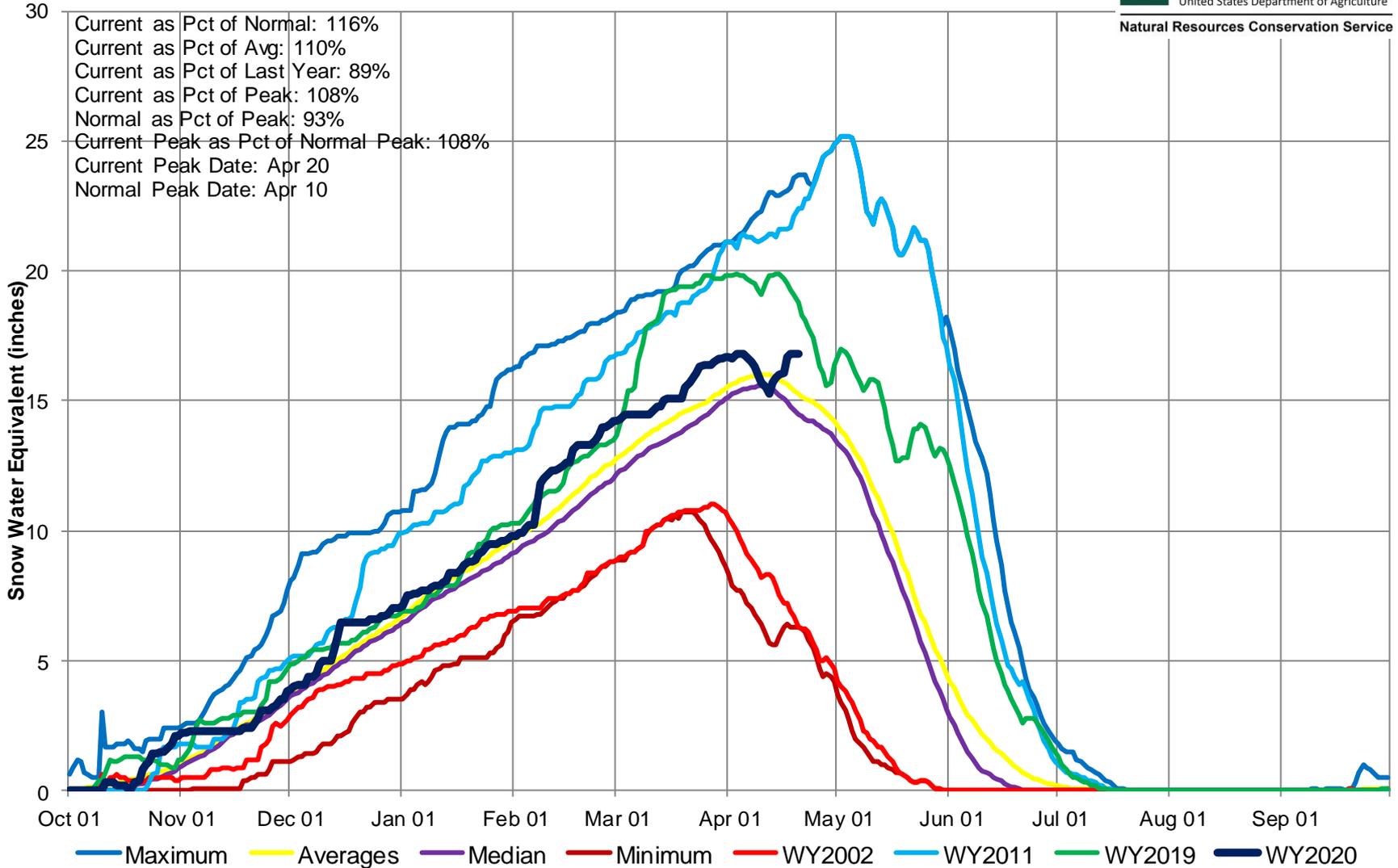






Upper Colorado River Basin High/Low Snowpack Summary

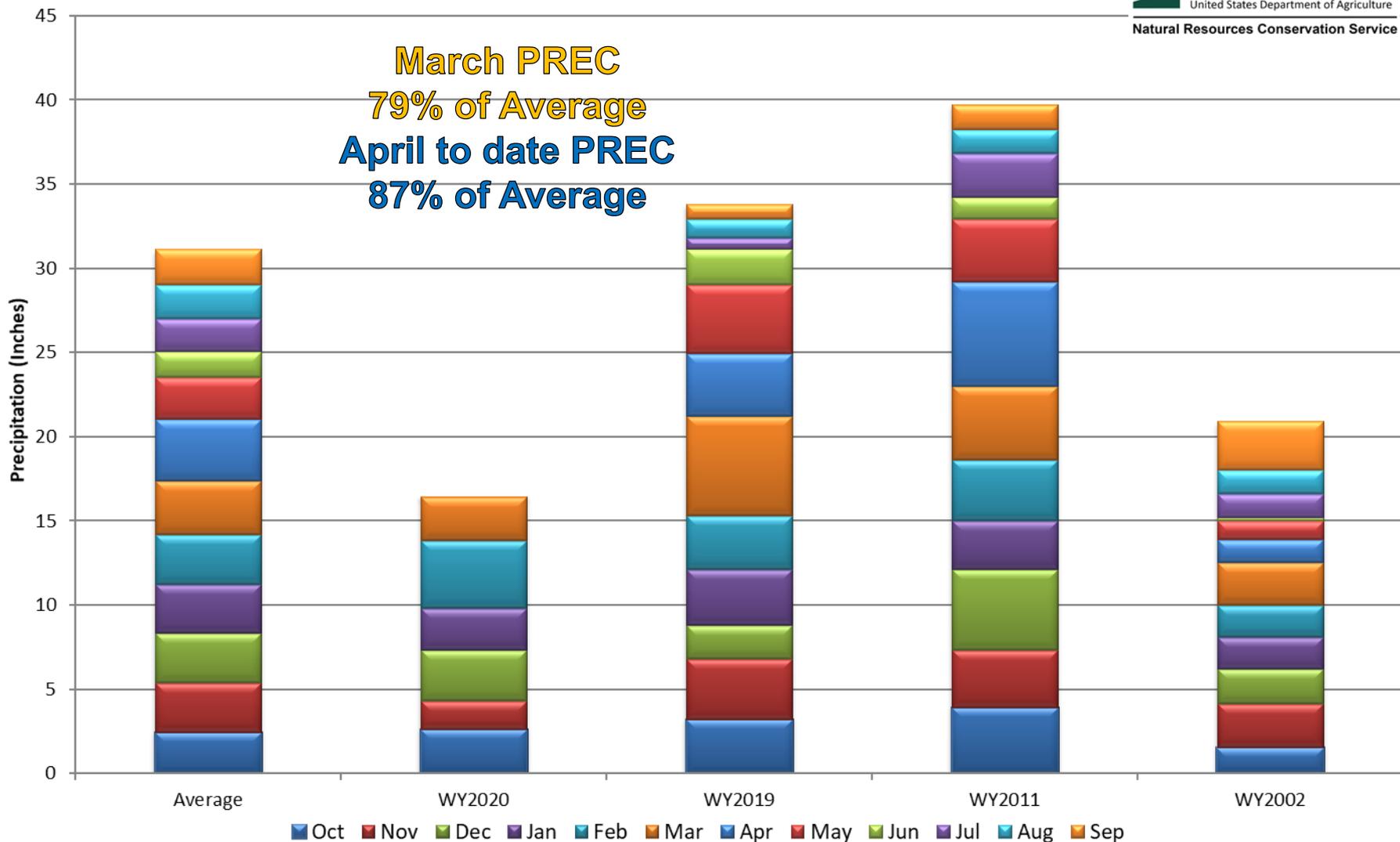
Based on Provisional SNOTEL data as of Apr 20, 2020



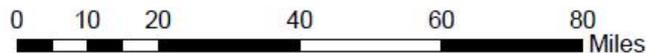
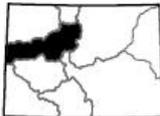
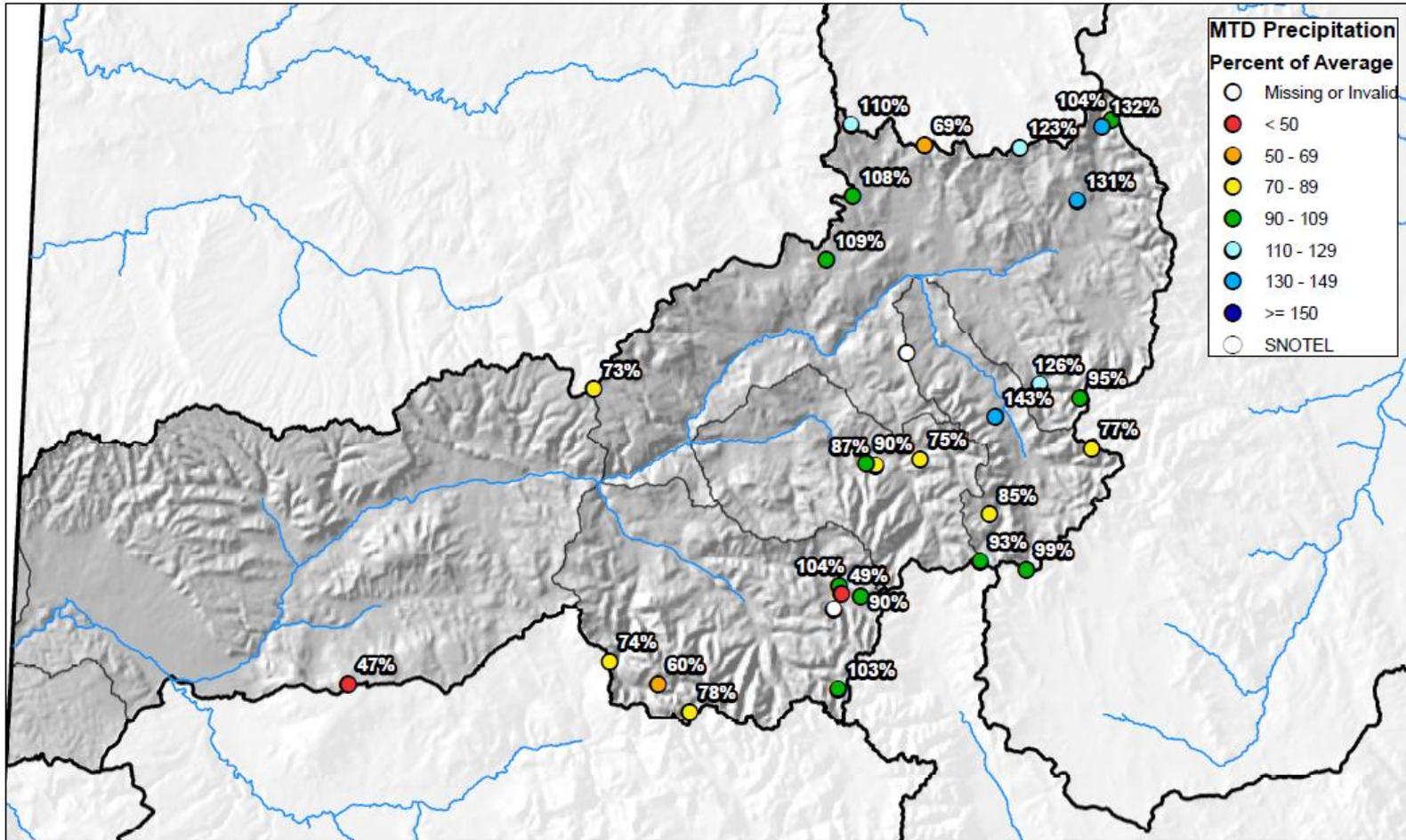
Upper Colorado River Basin High/Low Monthly Precipitation Summary

Based on Provisional SNOTEL data as of Apr 17, 2020

March PREC
79% of Average
April to date PREC
87% of Average

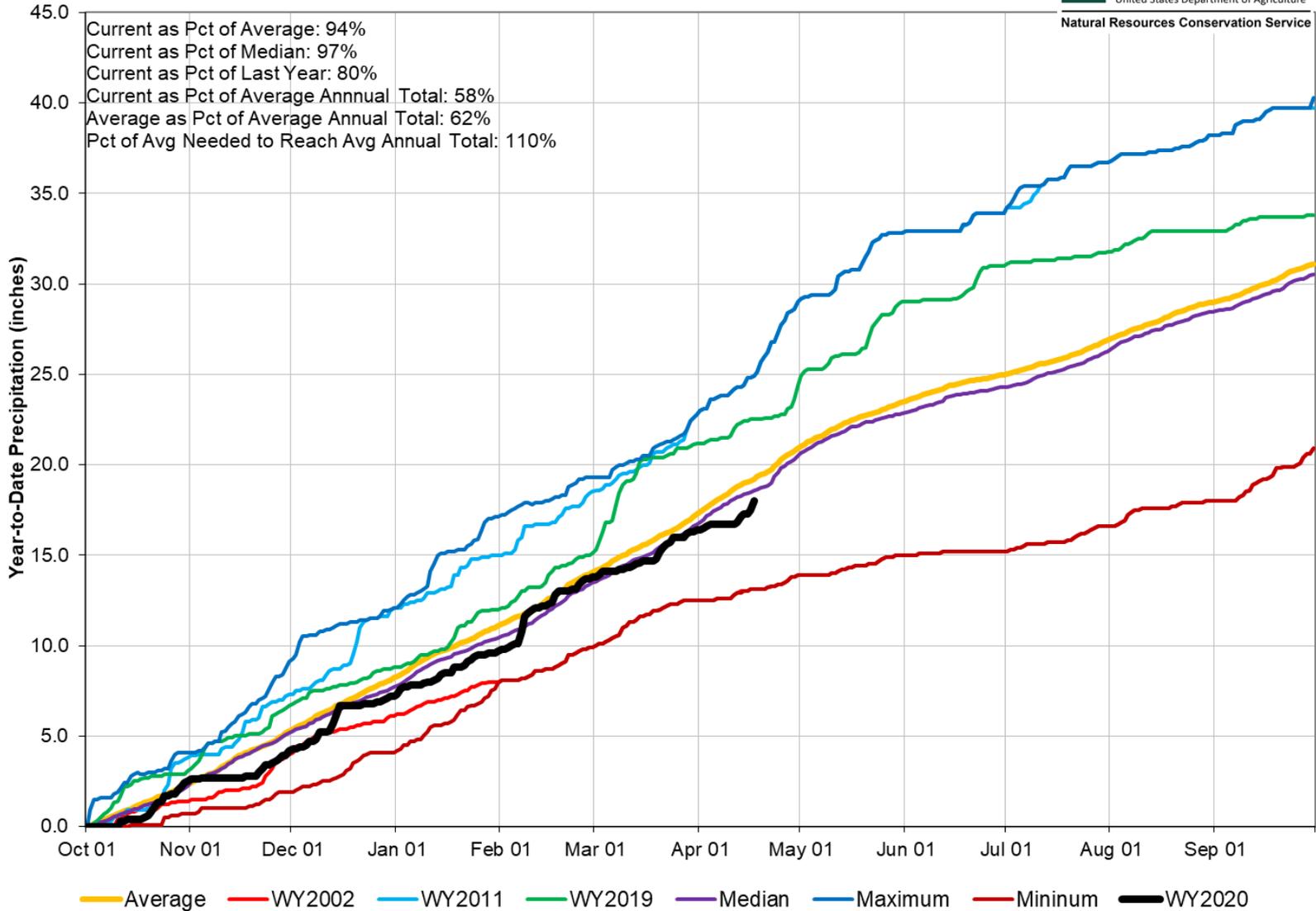


Upper Colorado River Basin Month to Date Precipitation Summary Current as of Apr 20, 2020



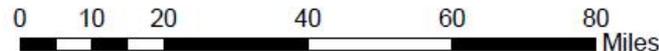
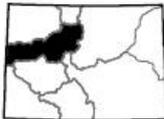
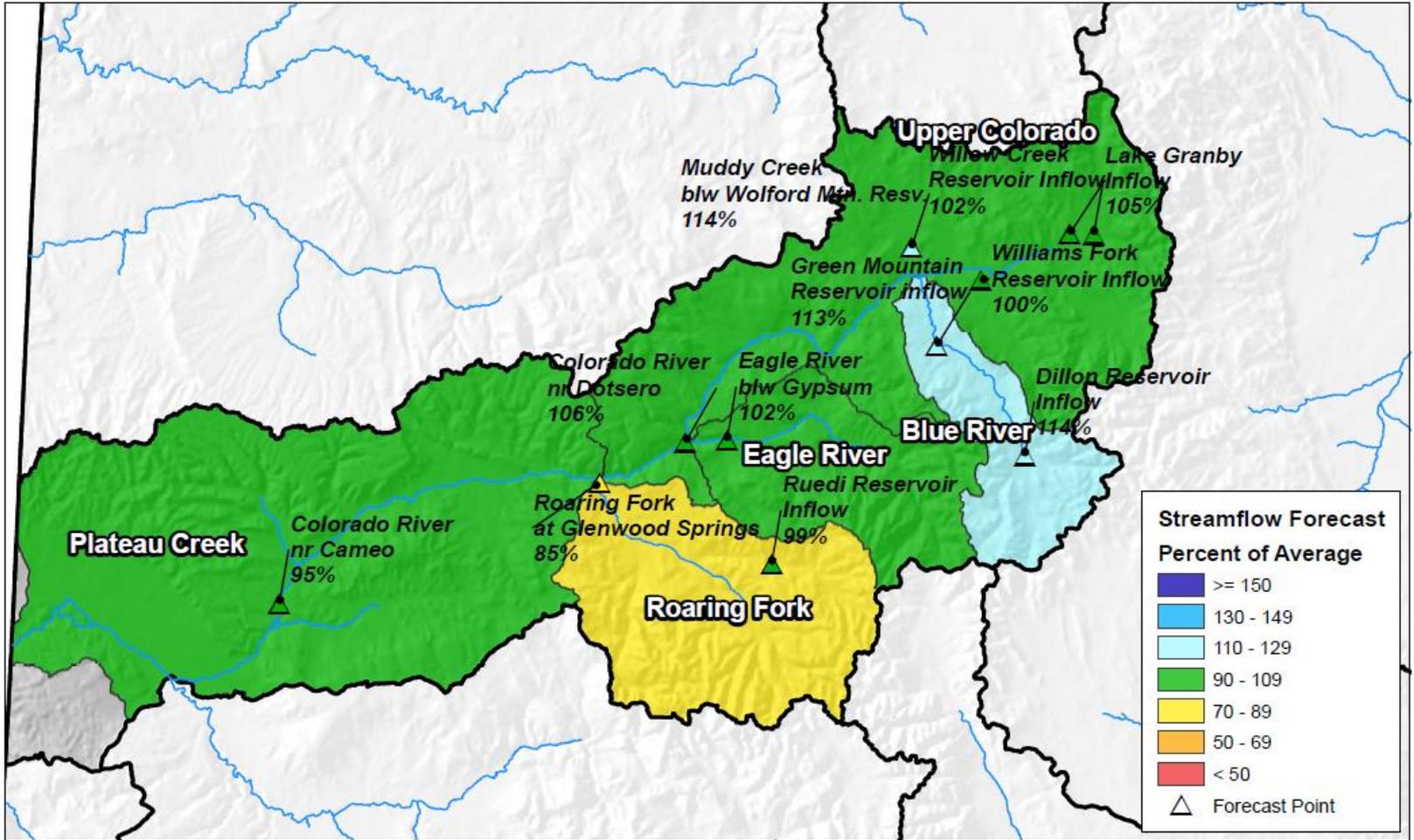
Upper Colorado River Basin High/Low Year-to-Date Precipitation Summary

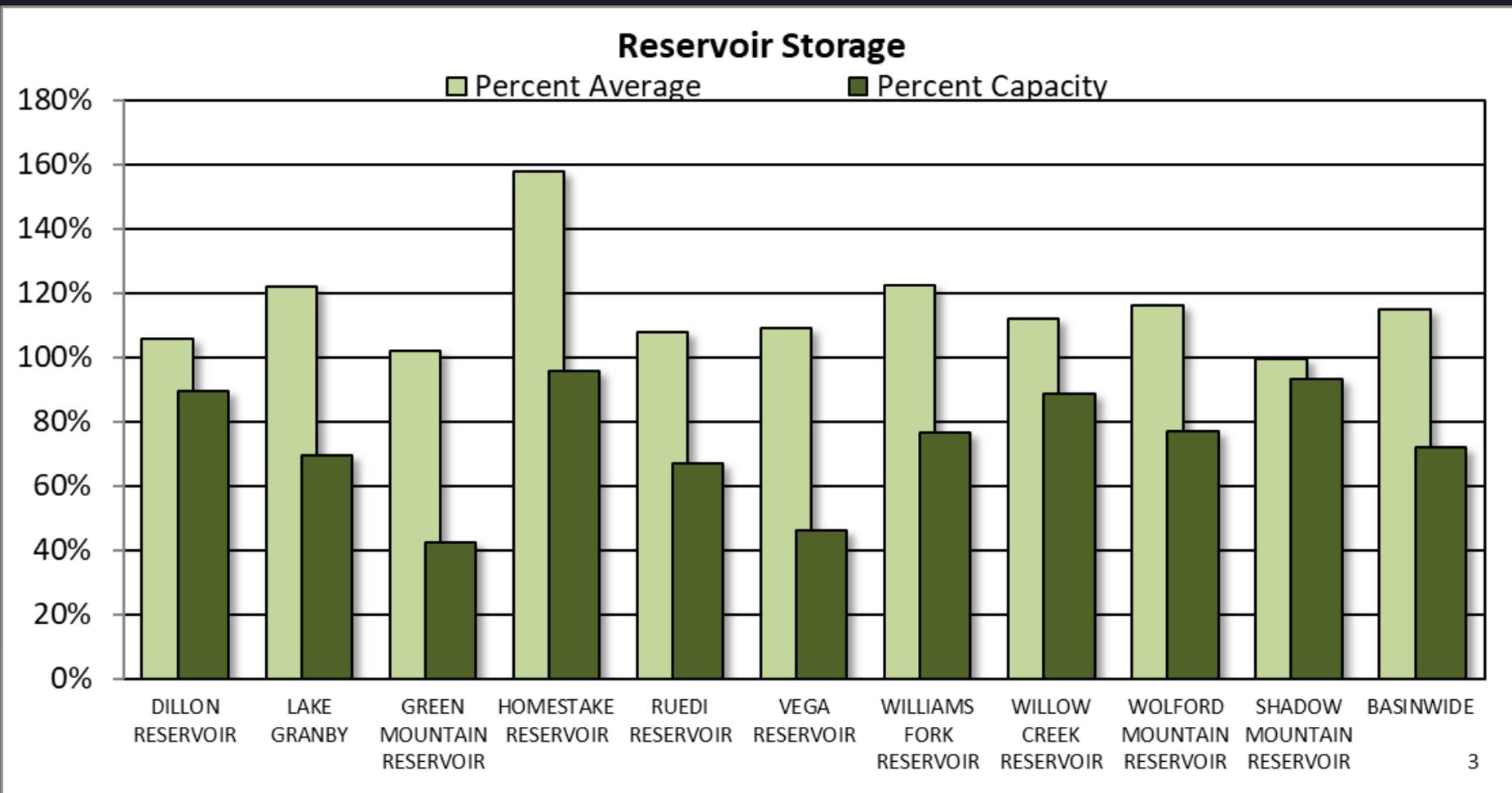
Based on Provisional SNOTEL data as of Apr 17, 2020



Upper Colorado River Basin Streamflow Forecast Summary

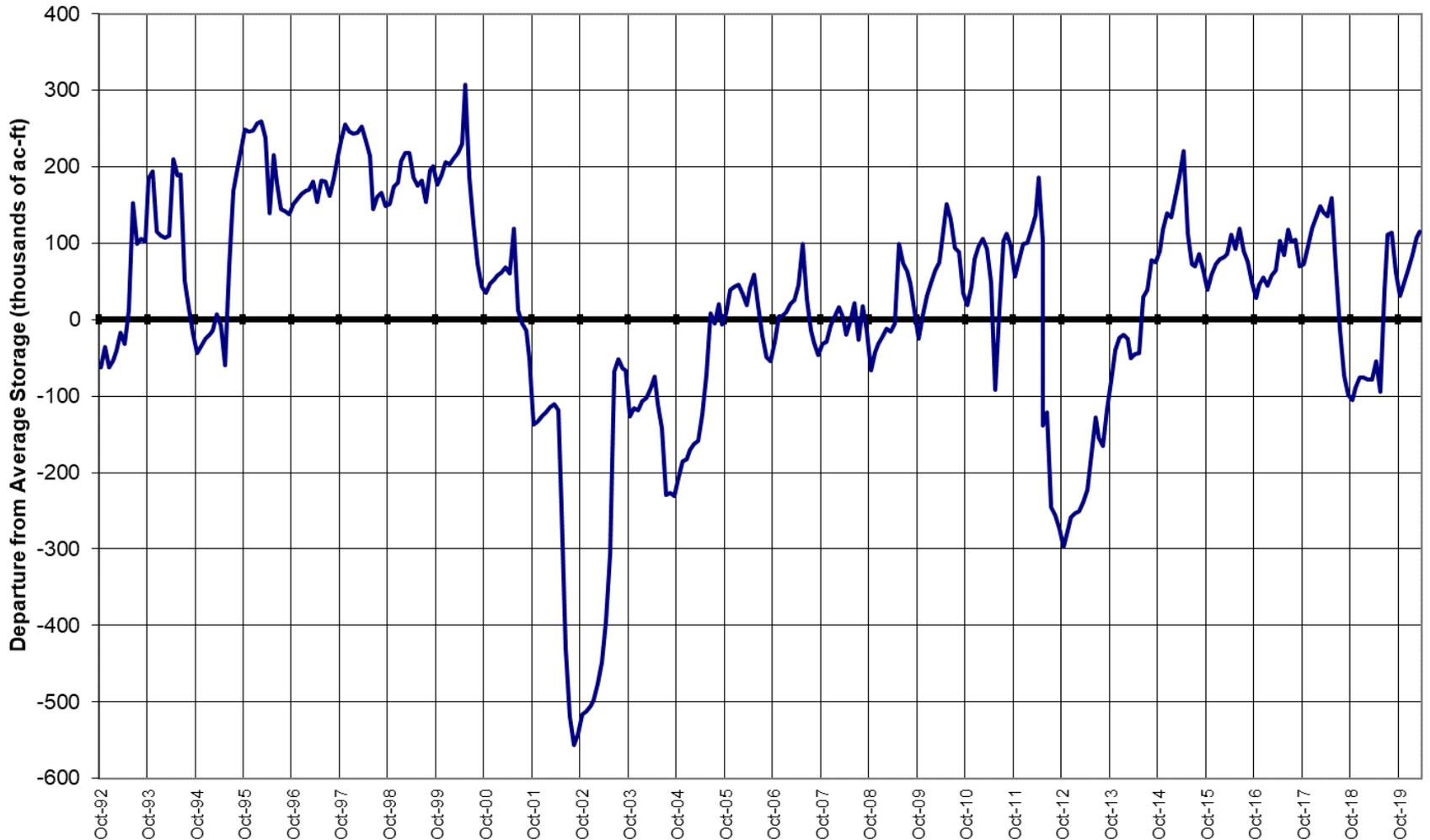
April 1, 2020





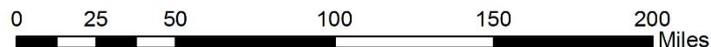
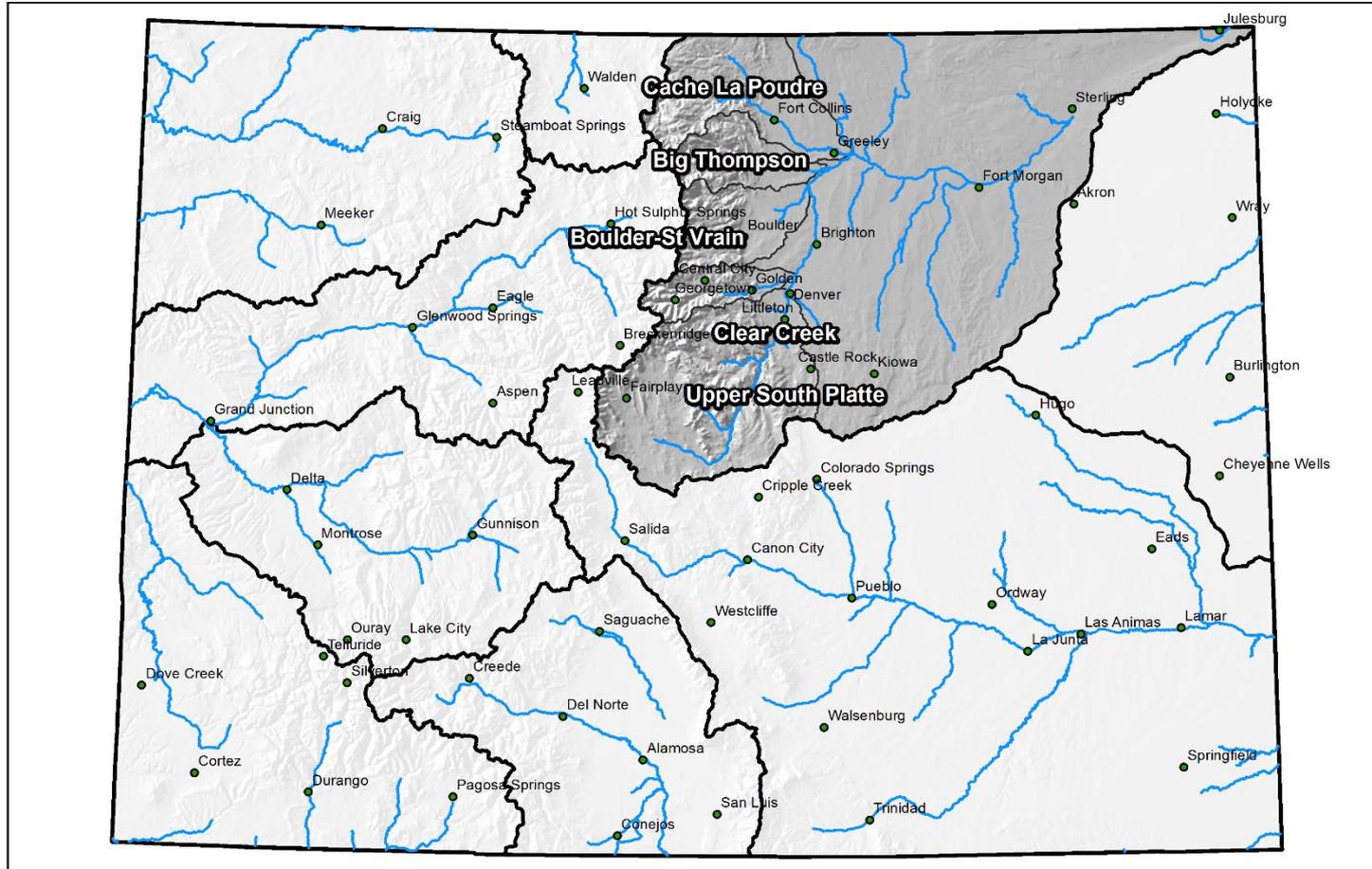


COLORADO RIVER BASIN Reservoir Storage Departure from Average



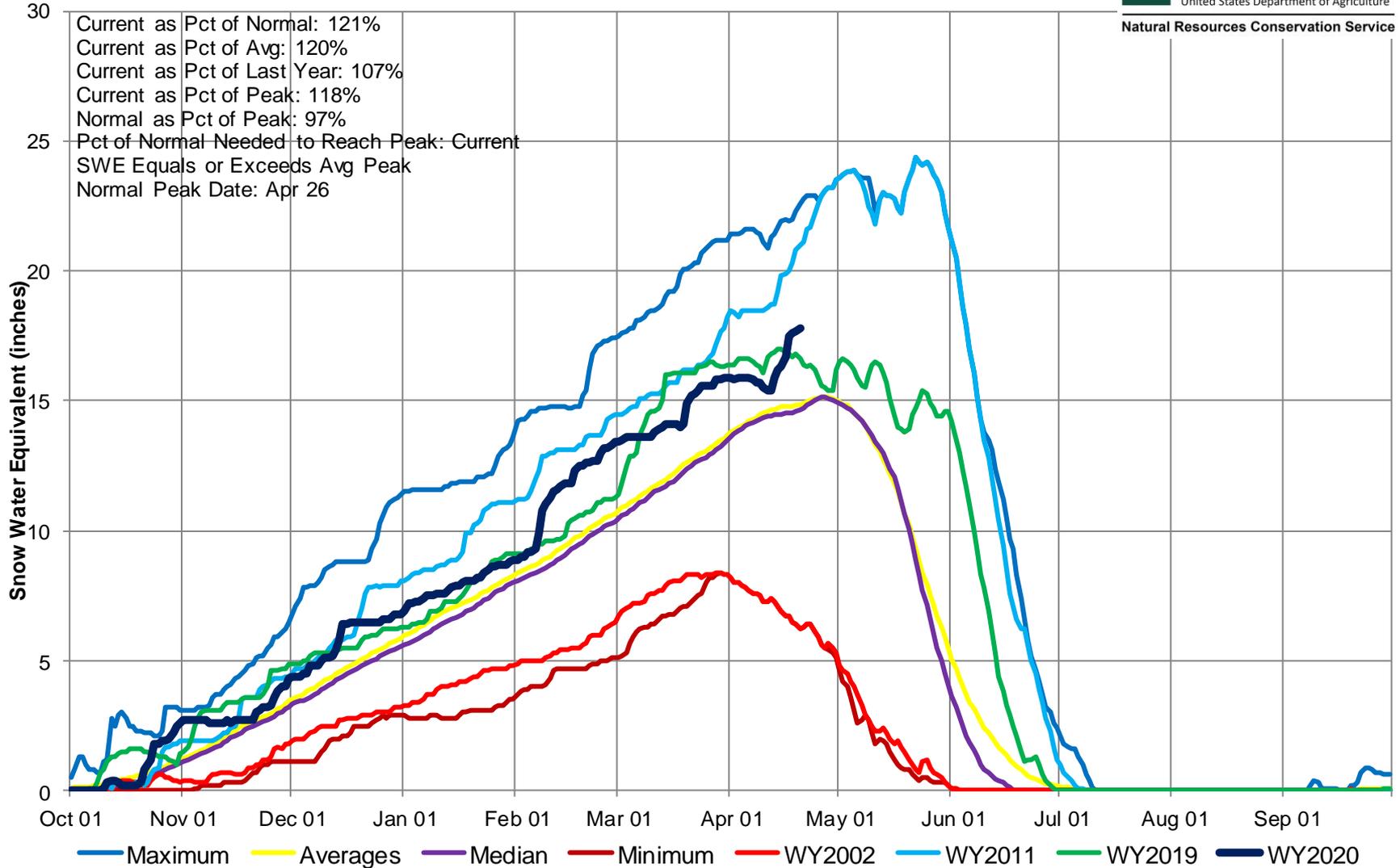
Major Basin Summary

South Platte River Basin



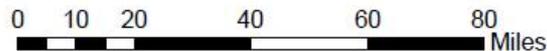
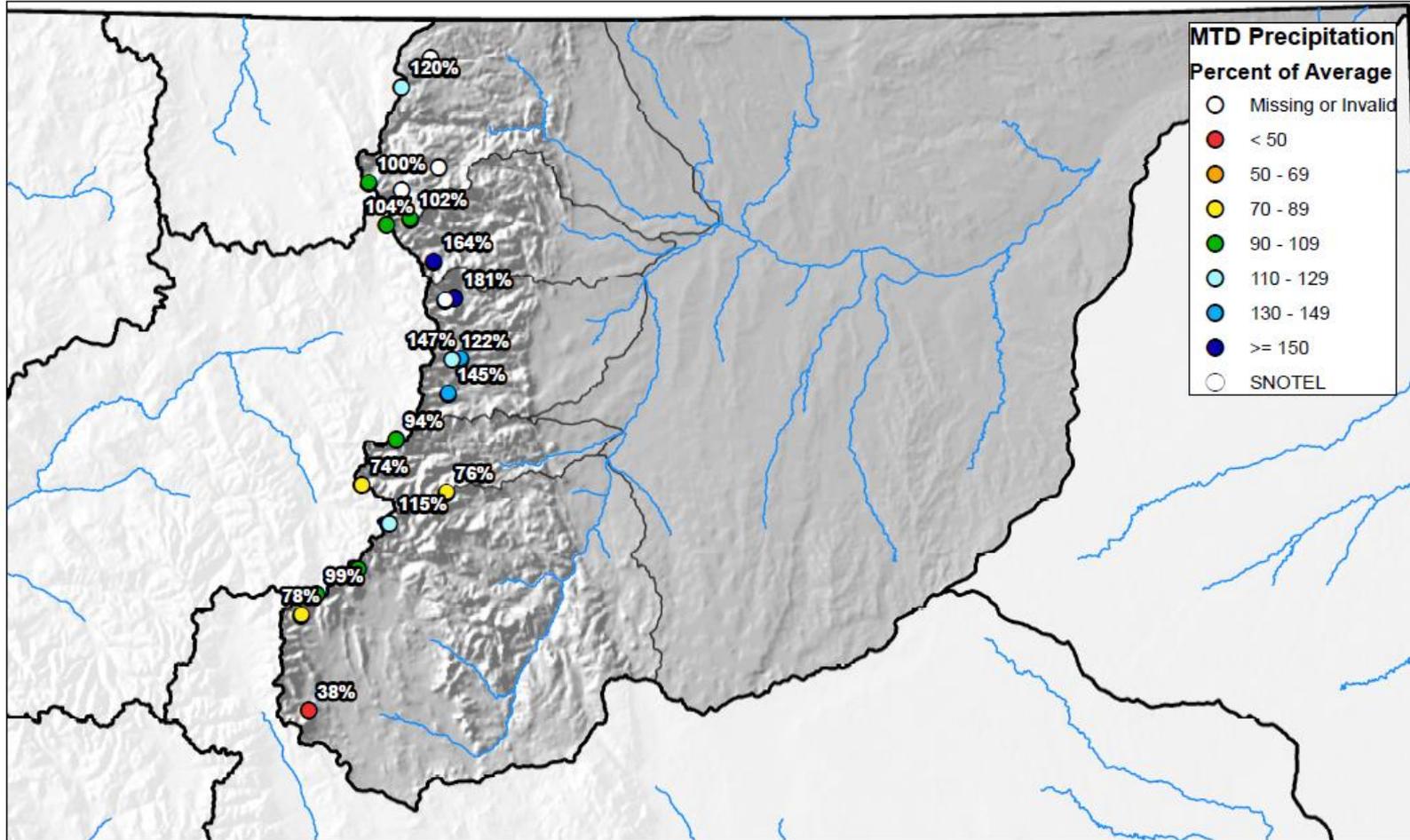
South Platte River Basin High/Low Snowpack Summary

Based on Provisional SNOTEL data as of Apr 20, 2020



South Platte River Basin Month to Date Precipitation Summary

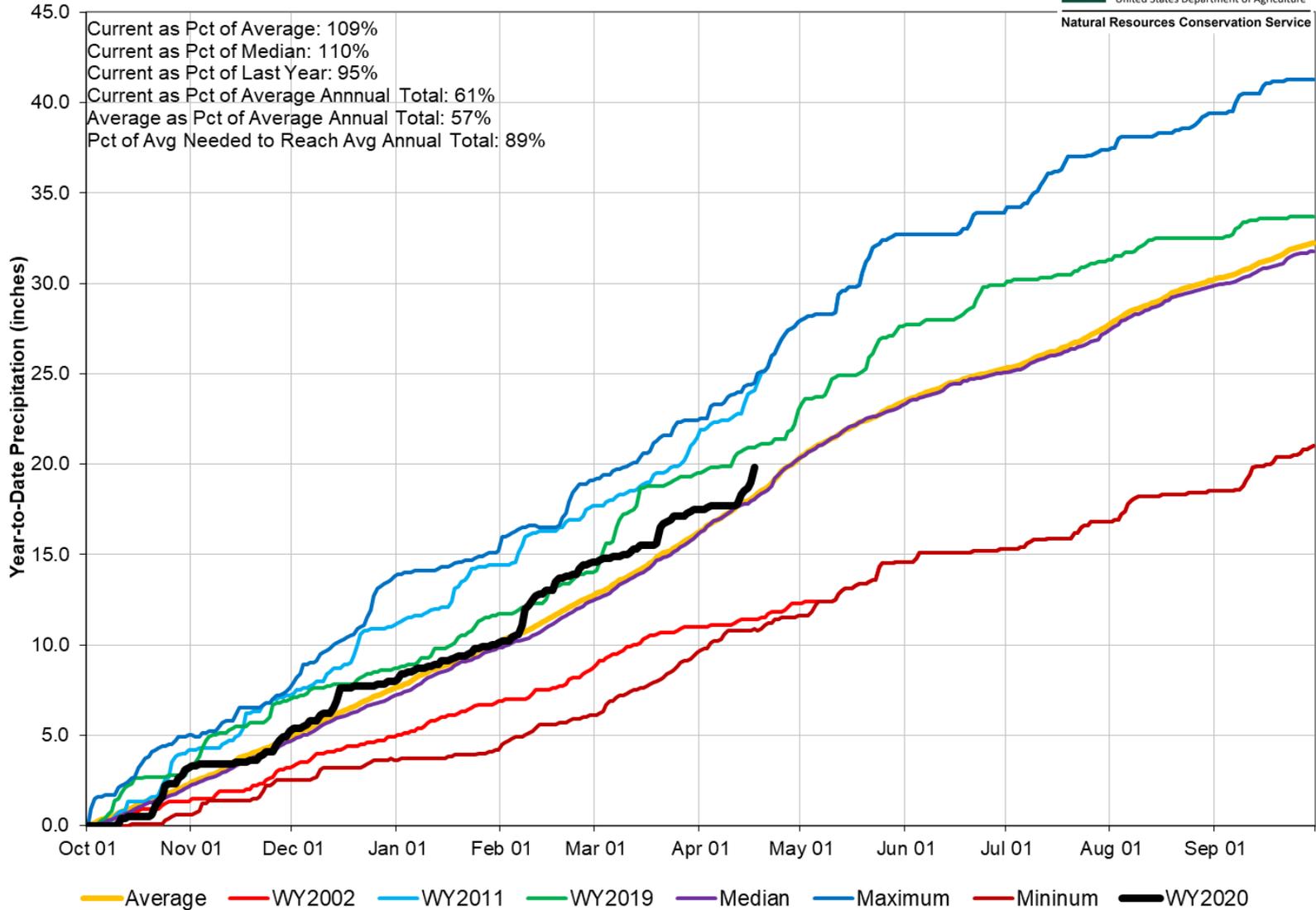
Current as of Apr 20, 2020



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

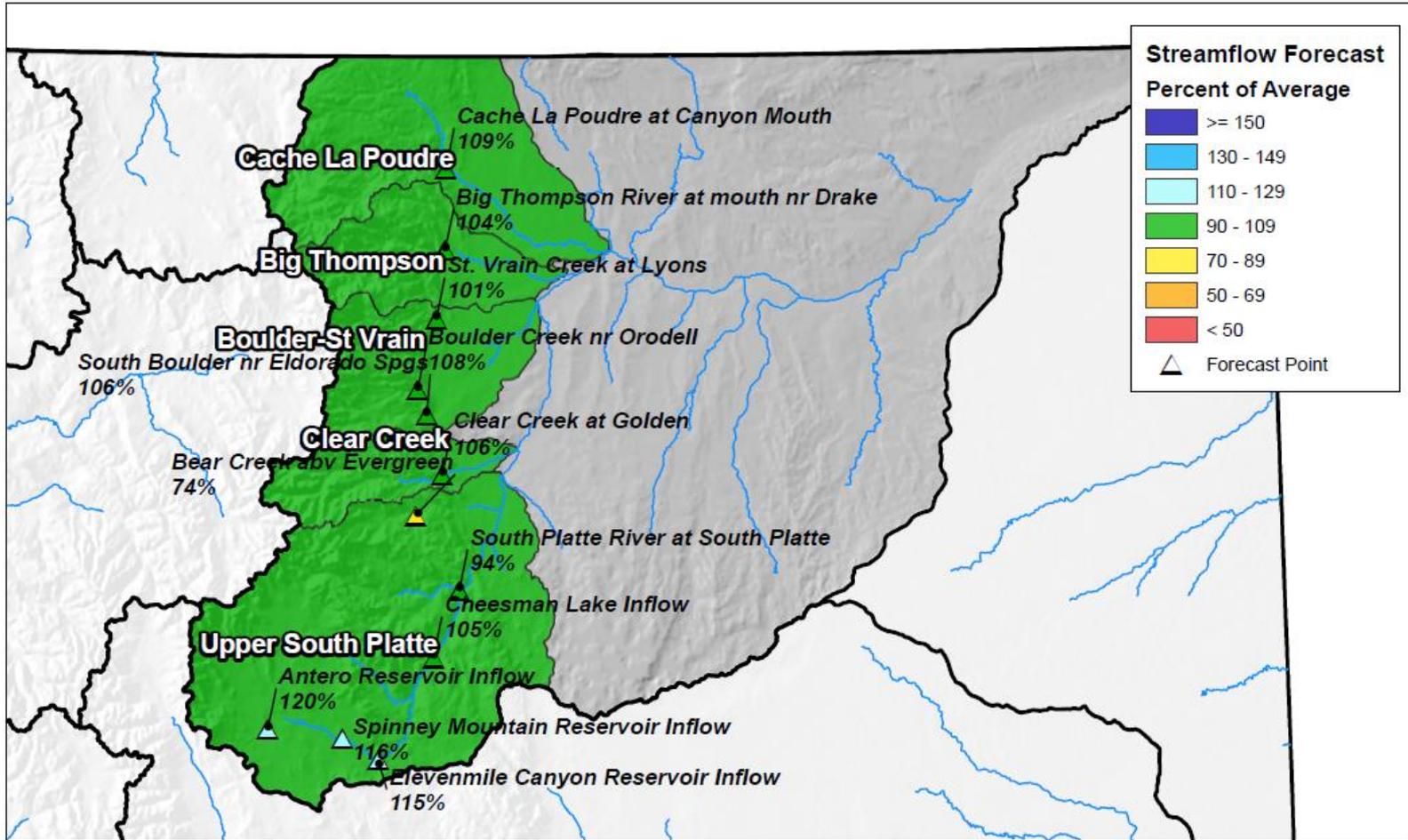
Based on Provisional SNOTEL data as of Apr 17, 2020

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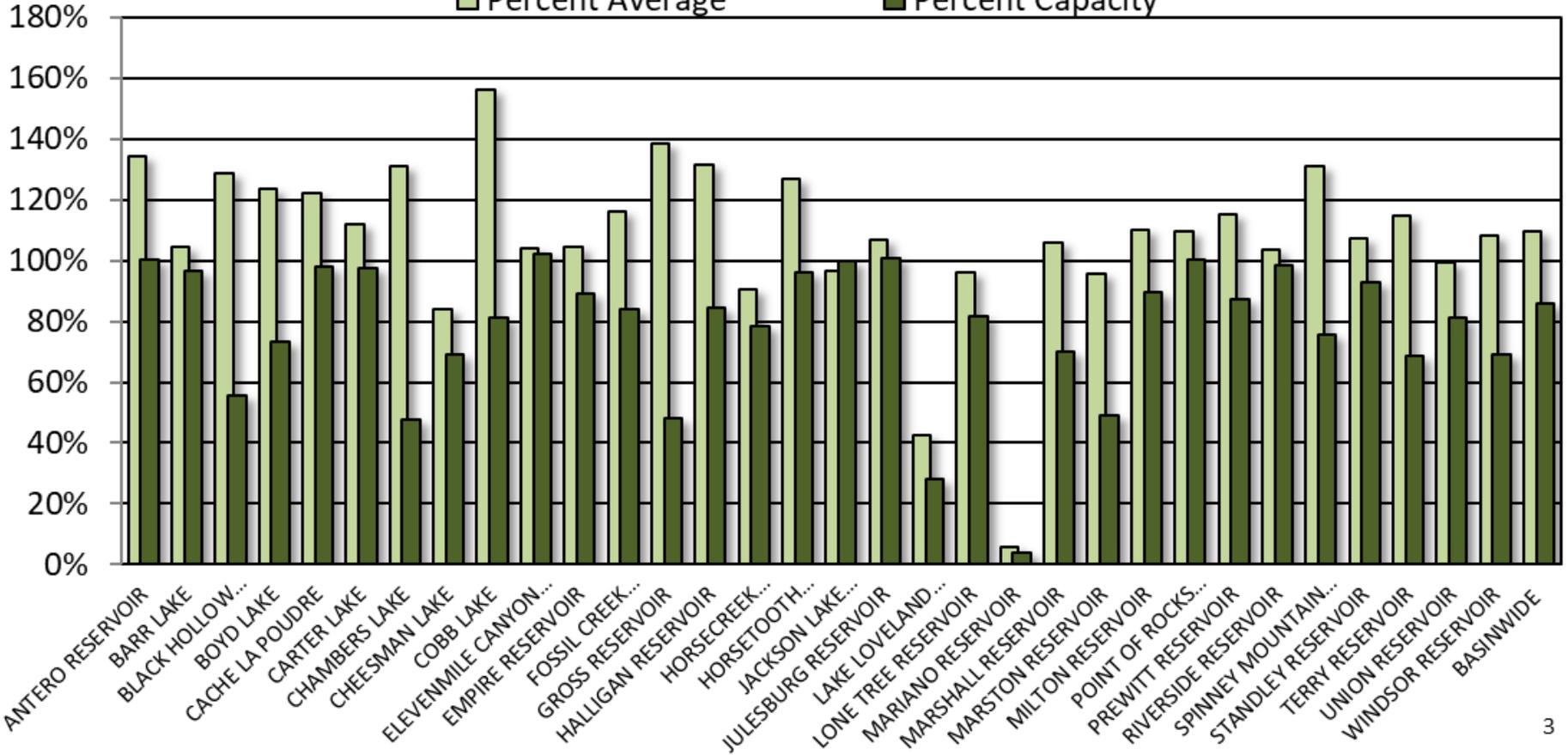
South Platte River Basin Streamflow Forecast Summary

April 1, 2020



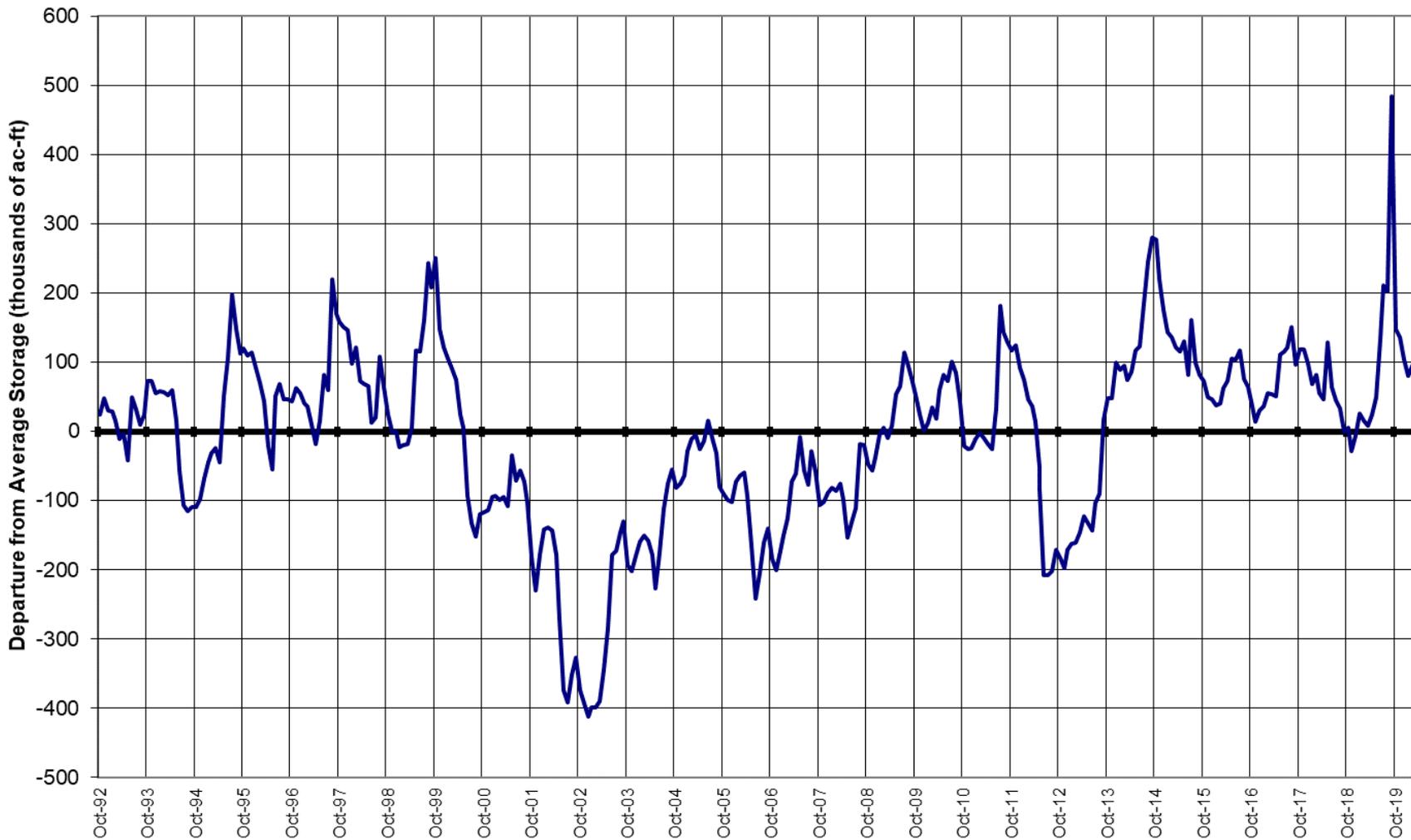
Reservoir Storage

■ Percent Average ■ Percent Capacity





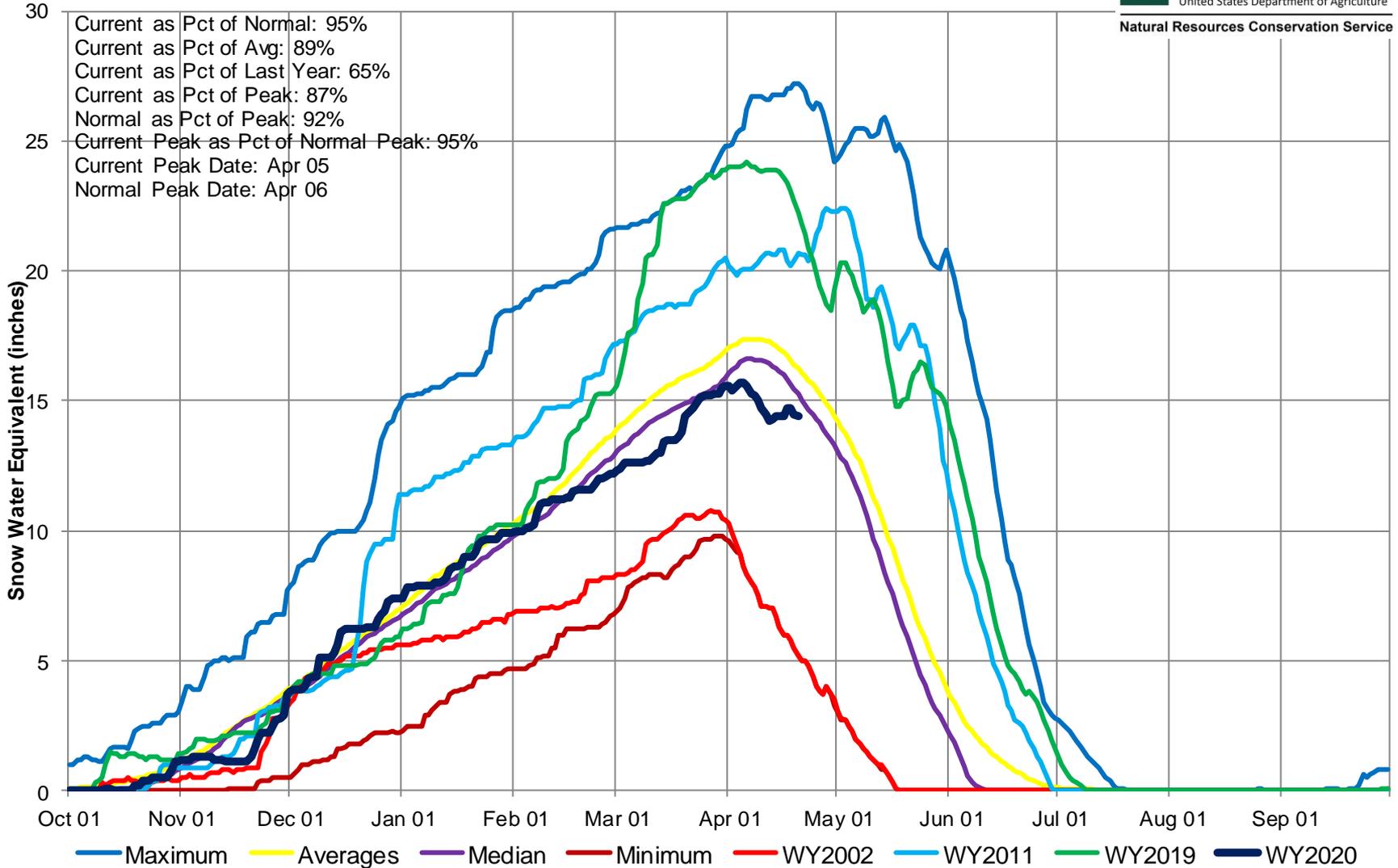
SOUTH PLATTE RIVER BASIN Reservoir Storage Departure from Average





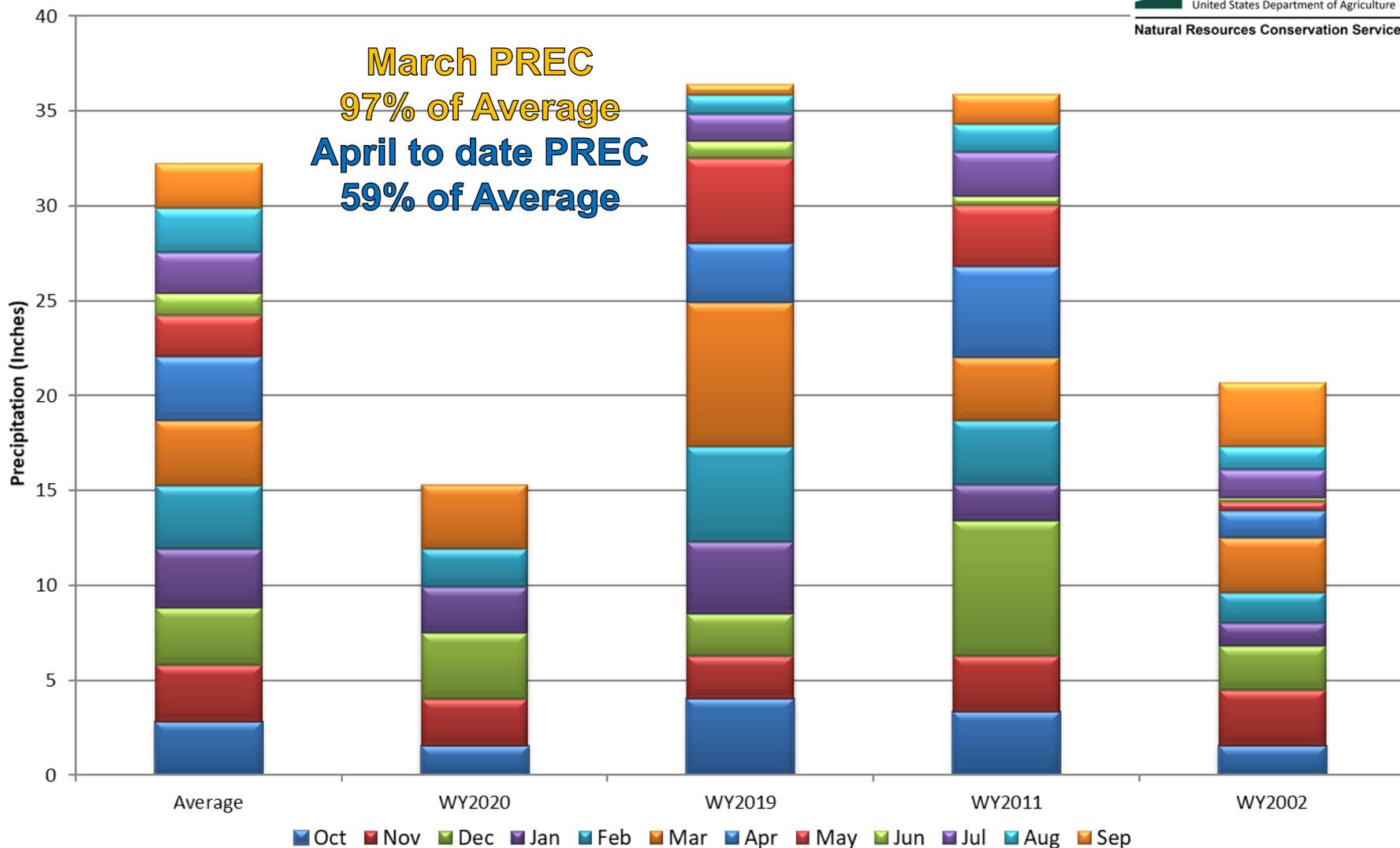
Gunnison River Basin High/Low Snowpack Summary

Based on Provisional SNOTEL data as of Apr 20, 2020

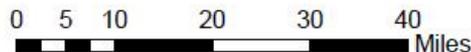
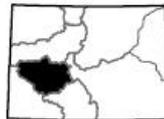
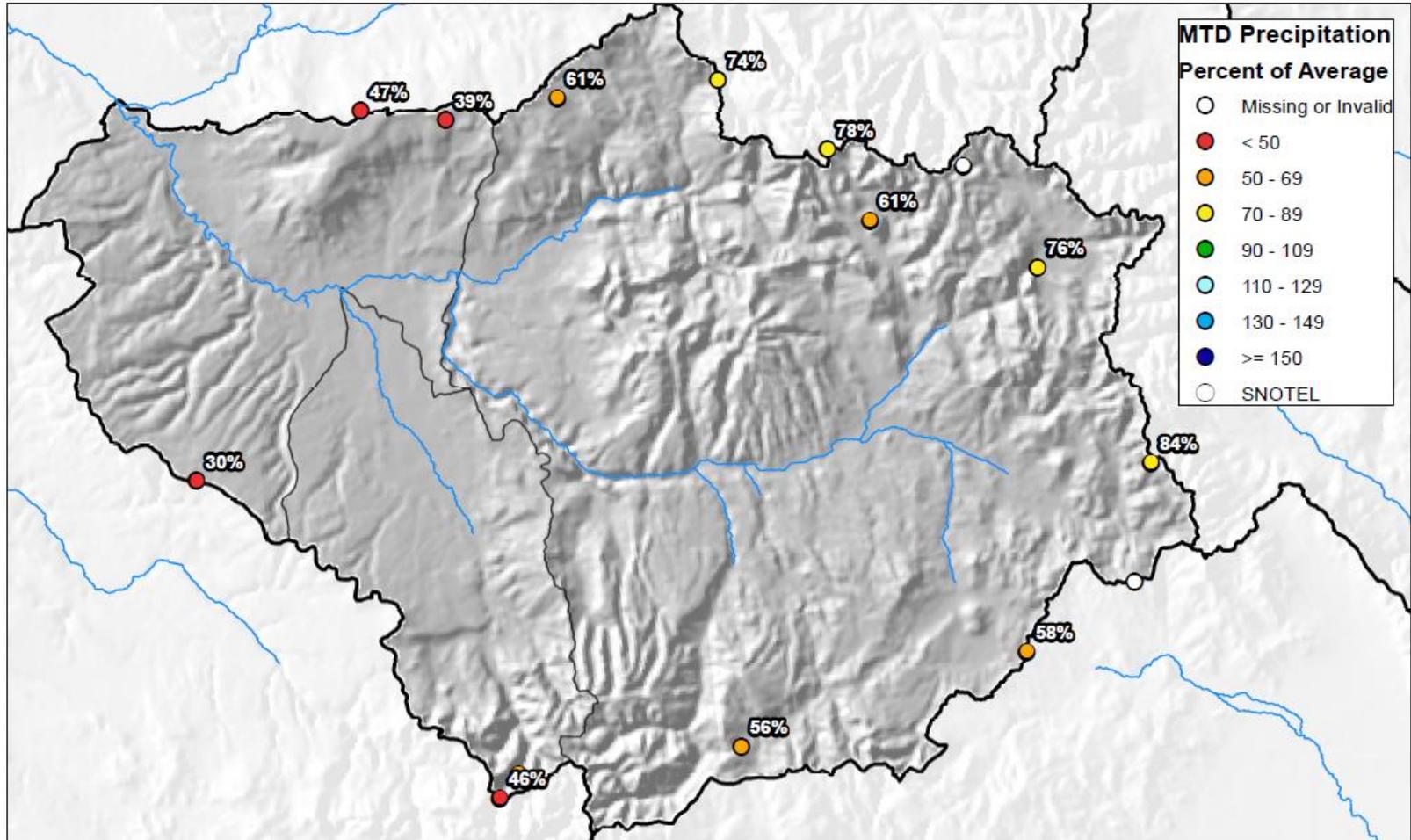


Gunnison River Basin High/Low Monthly Precipitation Summary

Based on Provisional SNOTEL data as of Apr 17, 2020



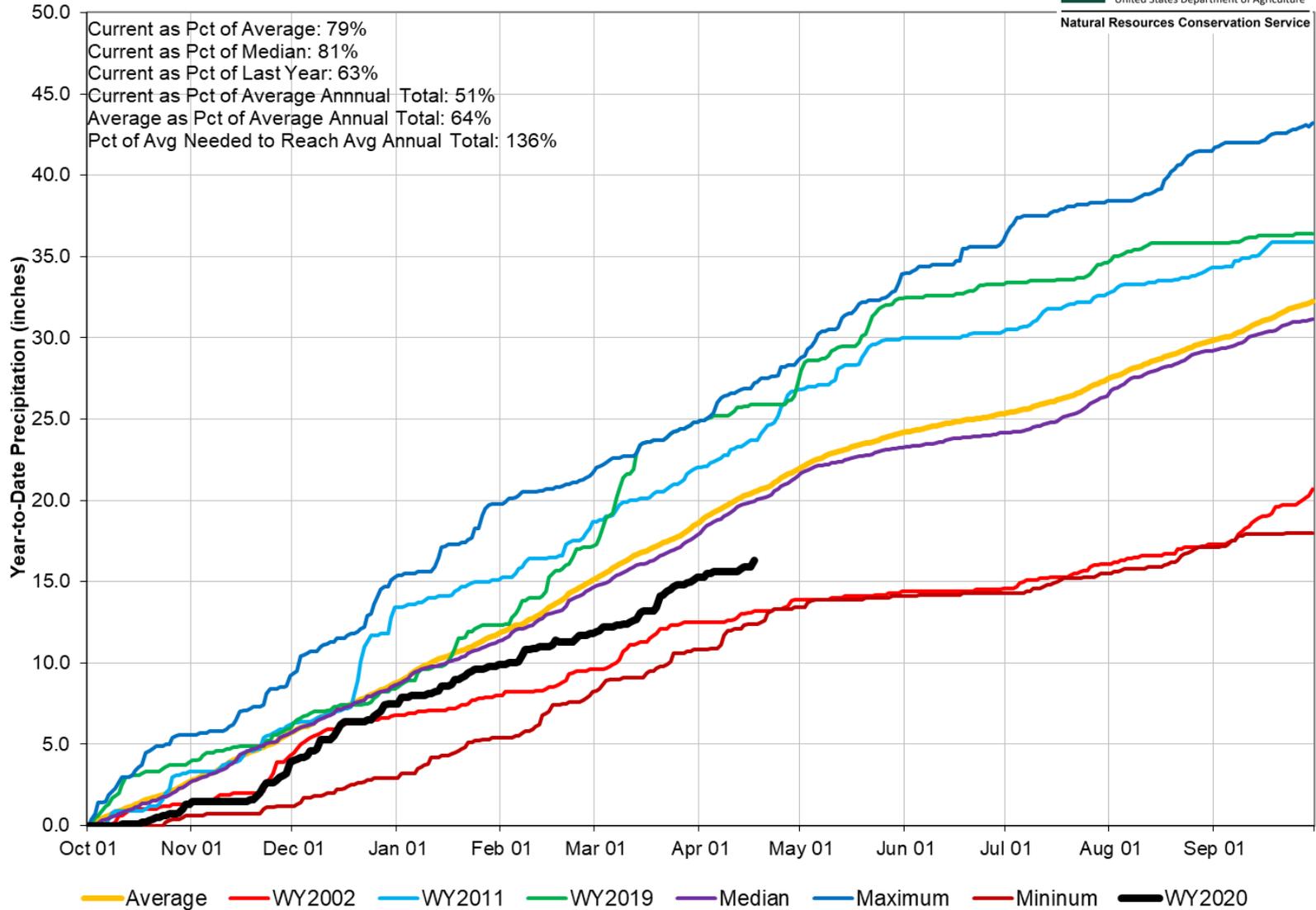
Gunnison River Basin Month to Date Precipitation Summary Current as of Apr 20, 2020



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

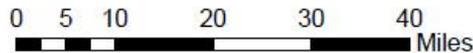
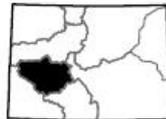
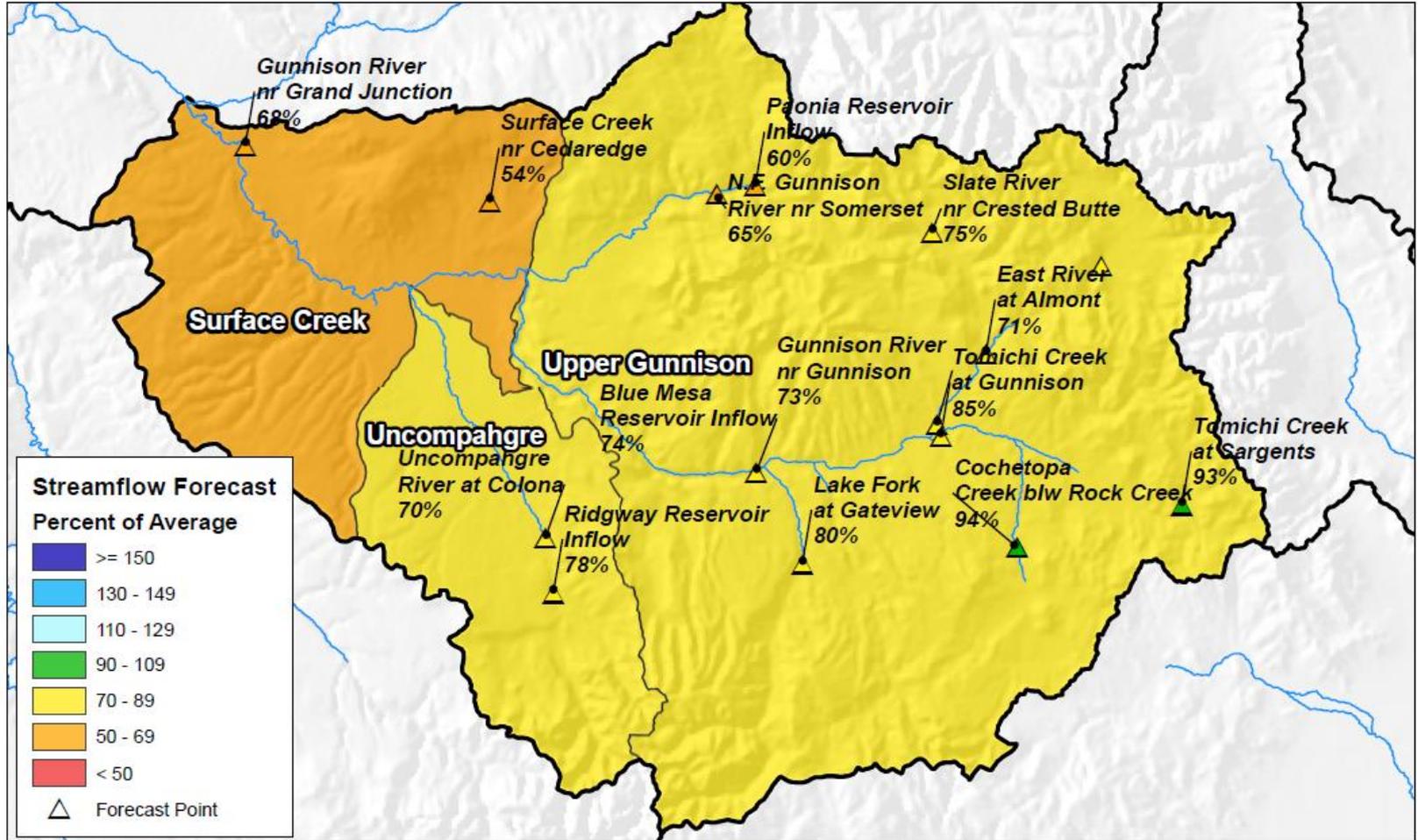
Based on Provisional SNOTEL data as of Apr 17, 2020

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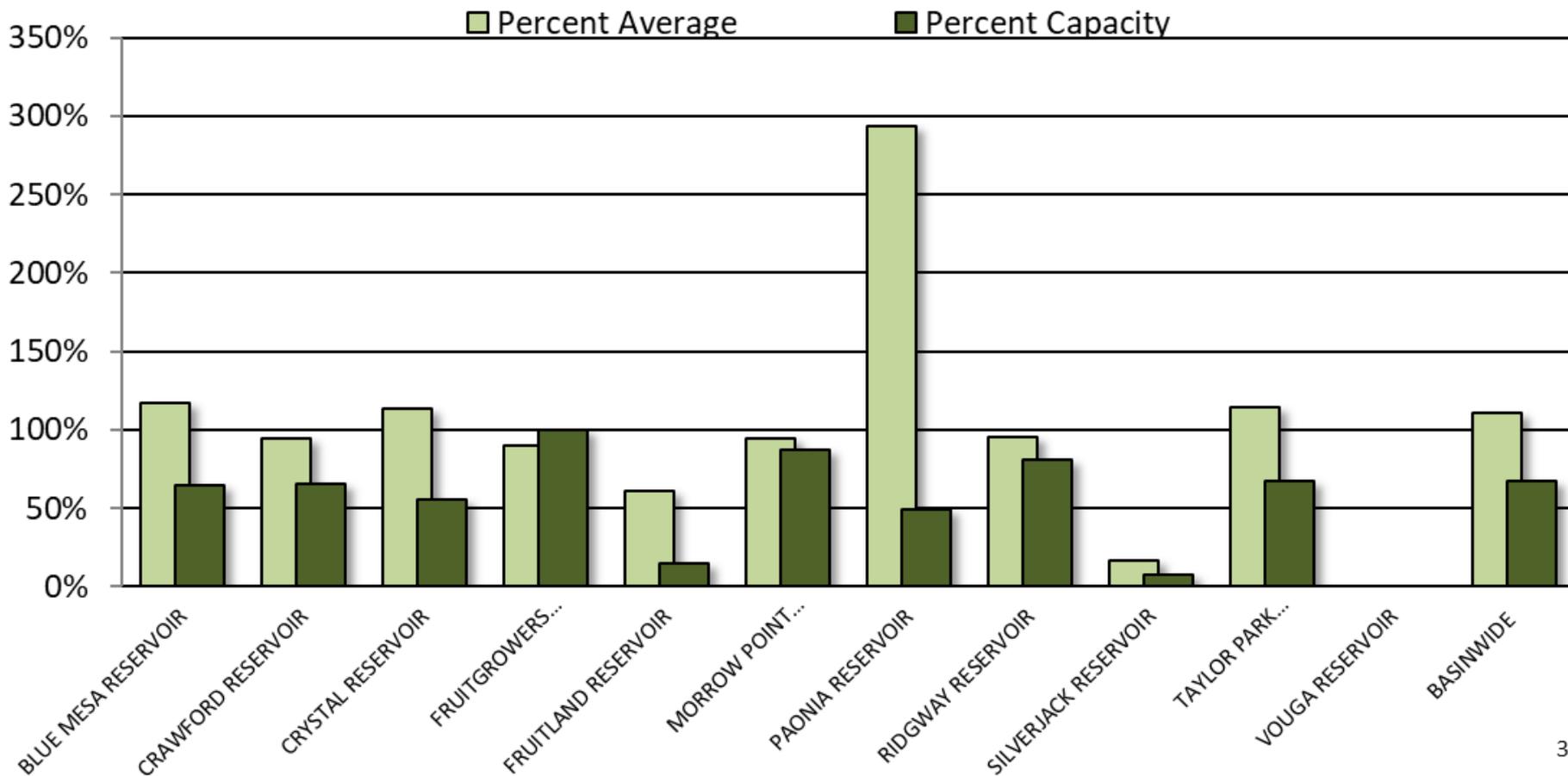


Gunnison River Basin Water Supply Forecast Summary

April 1, 2020

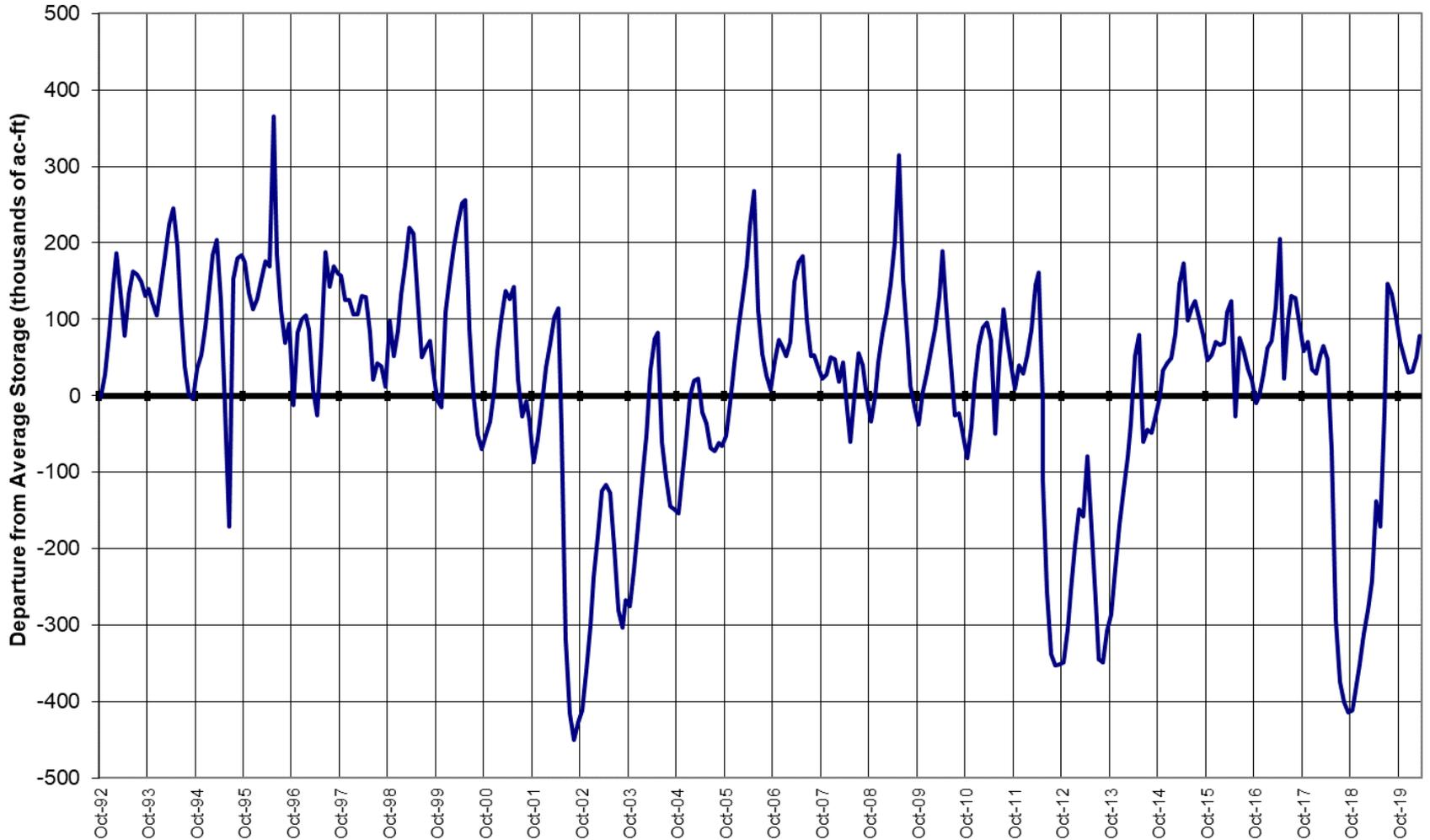


Reservoir Storage



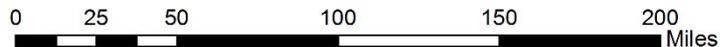
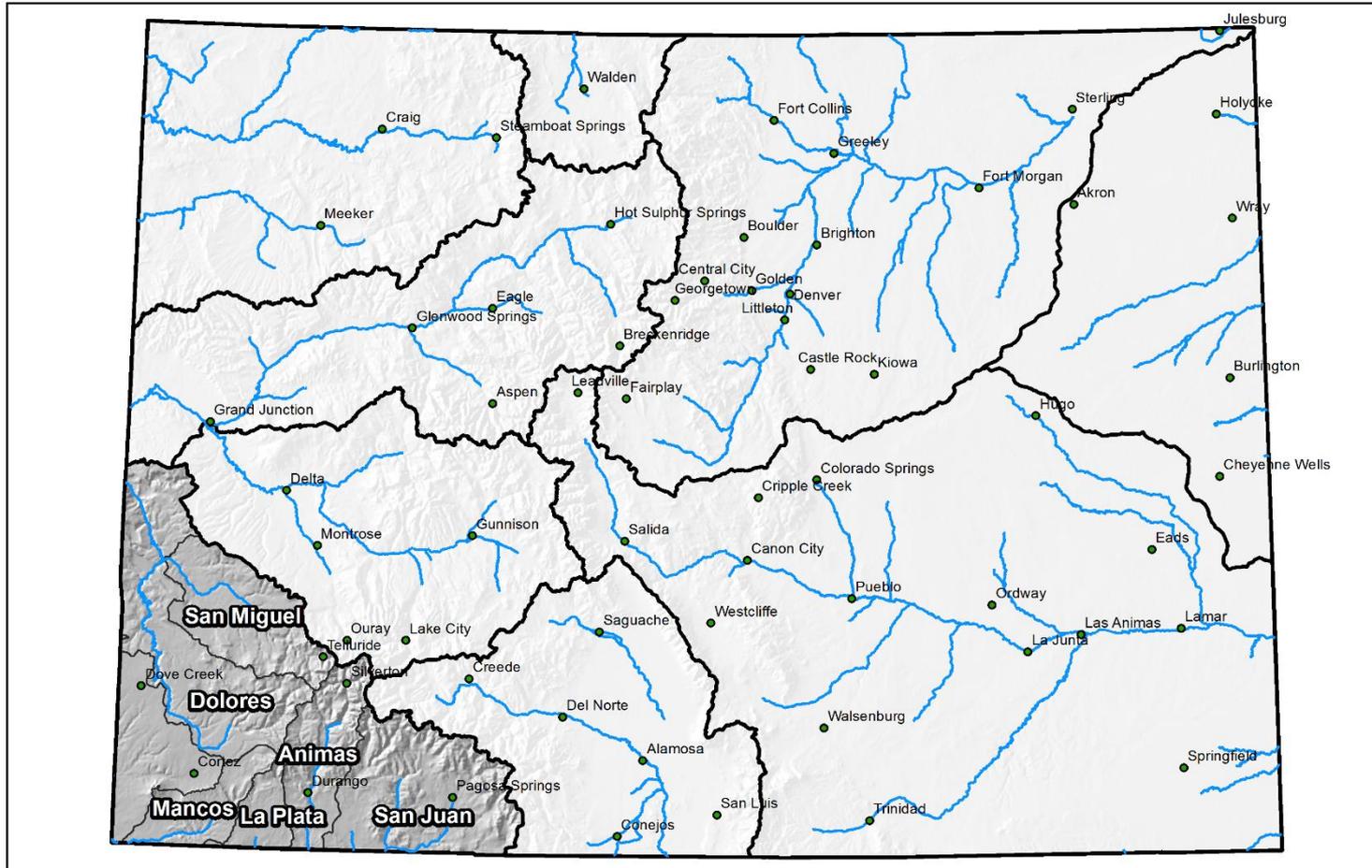


GUNNISON RIVER BASIN Reservoir Storage Departure from Average



Major Basin Summary

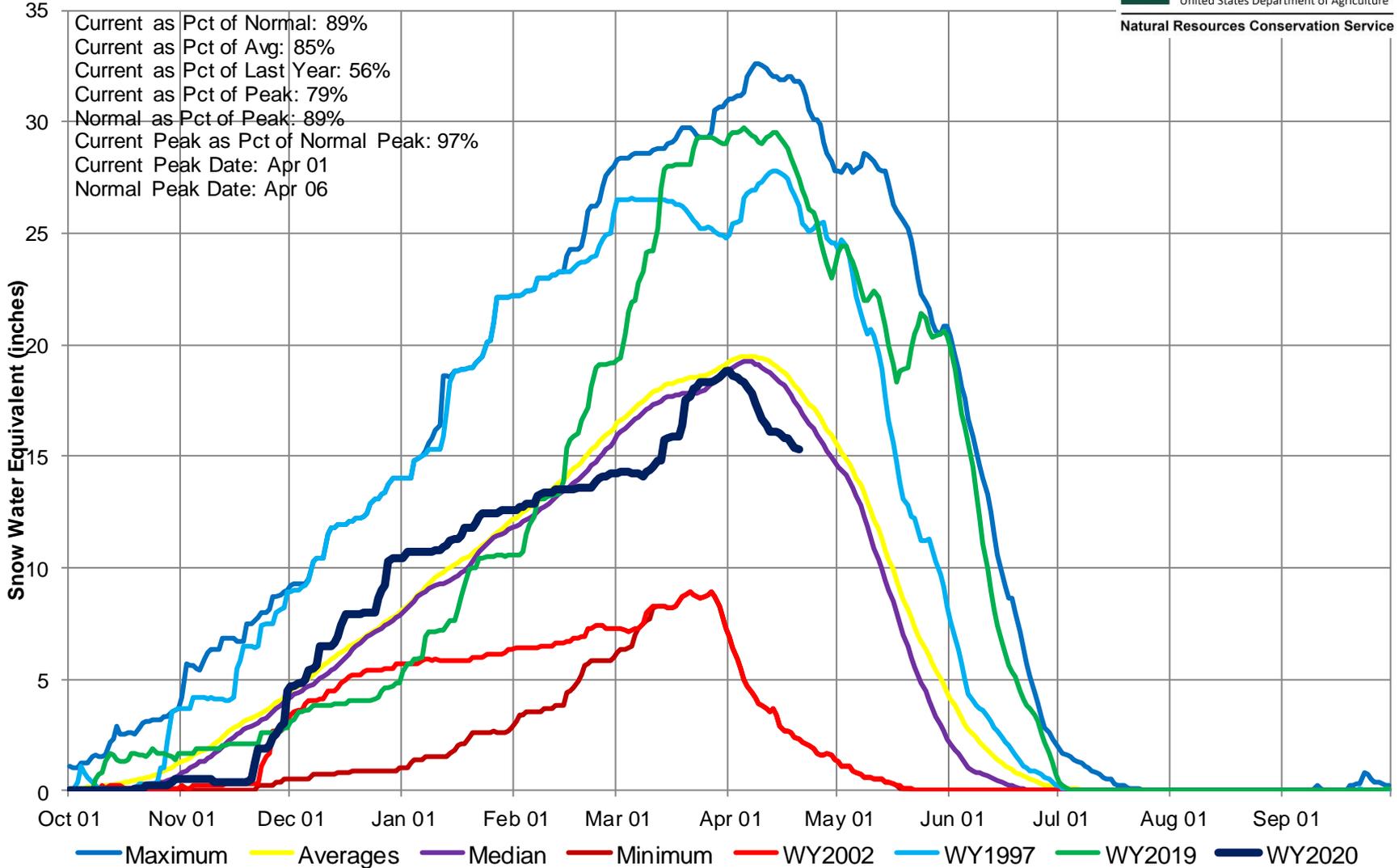
San Miguel, Dolores, Animas, and San Juan River Basins





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

Based on Provisional SNOTEL data as of Apr 20, 2020

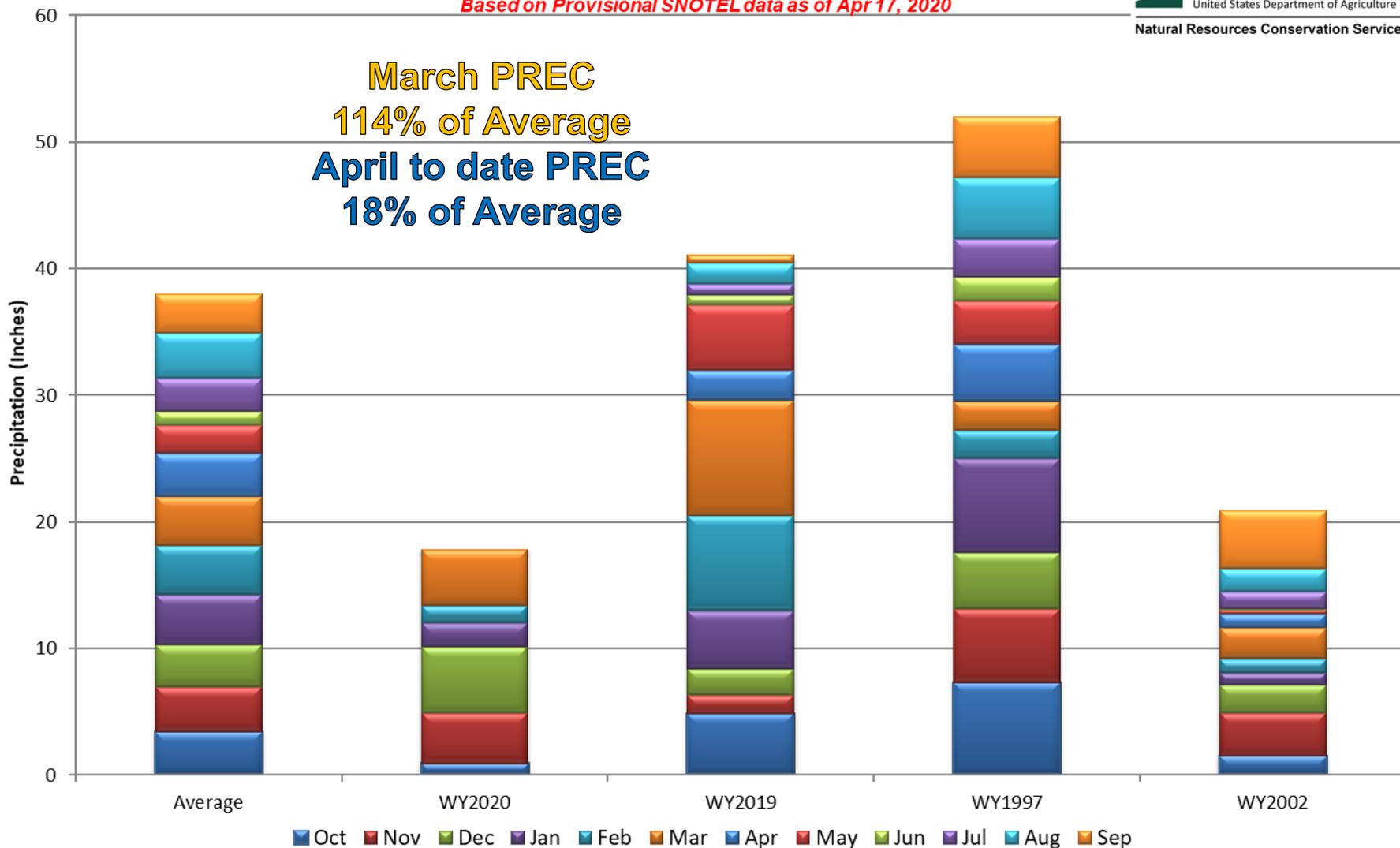


San Miguel, Dolores, Animas and San Juan River Basins

High/Low Monthly Precipitation Summary

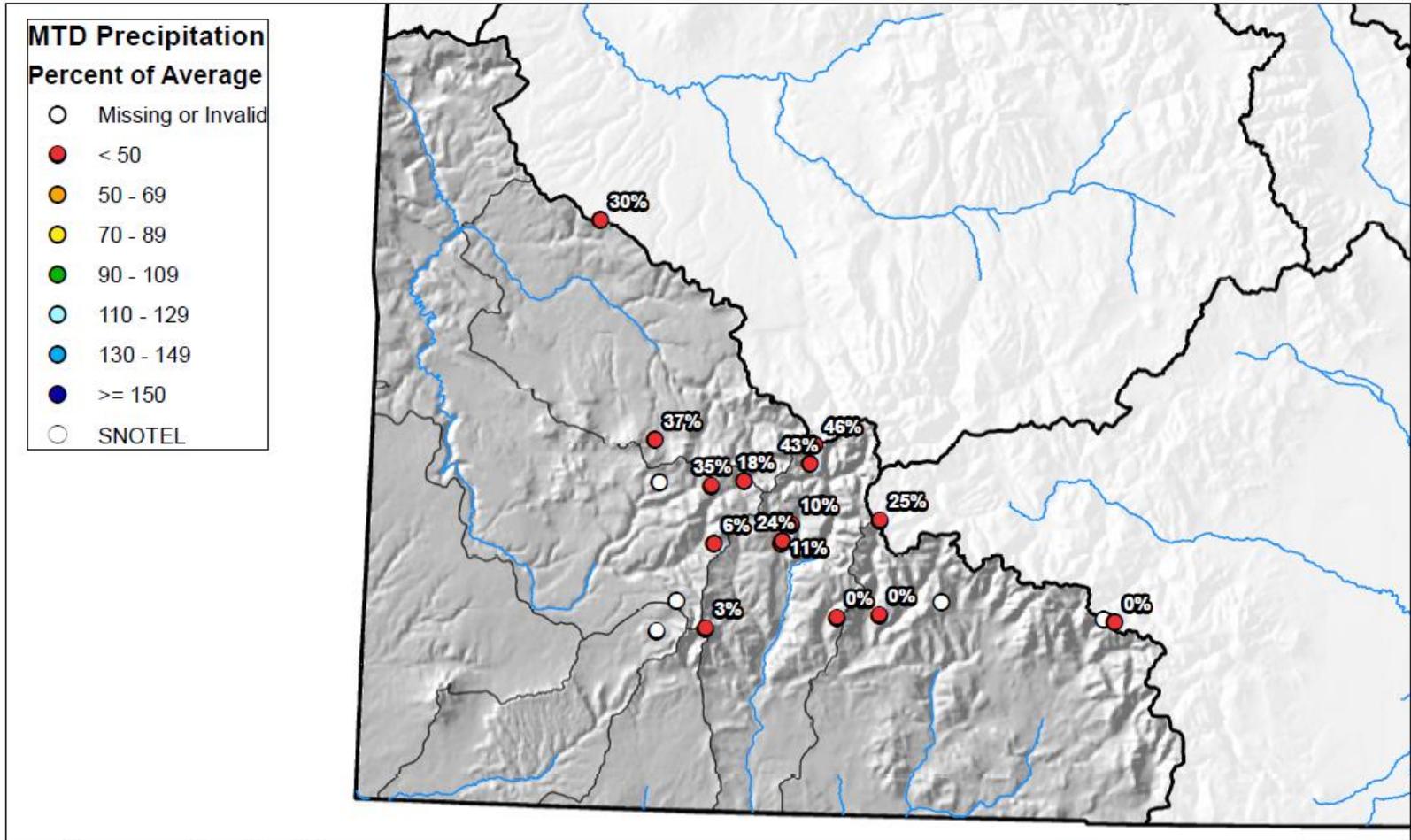
Based on Provisional SNOTEL data as of Apr 17, 2020

March PREC
114% of Average
April to date PREC
18% of Average



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

Current as of Apr 20, 2020



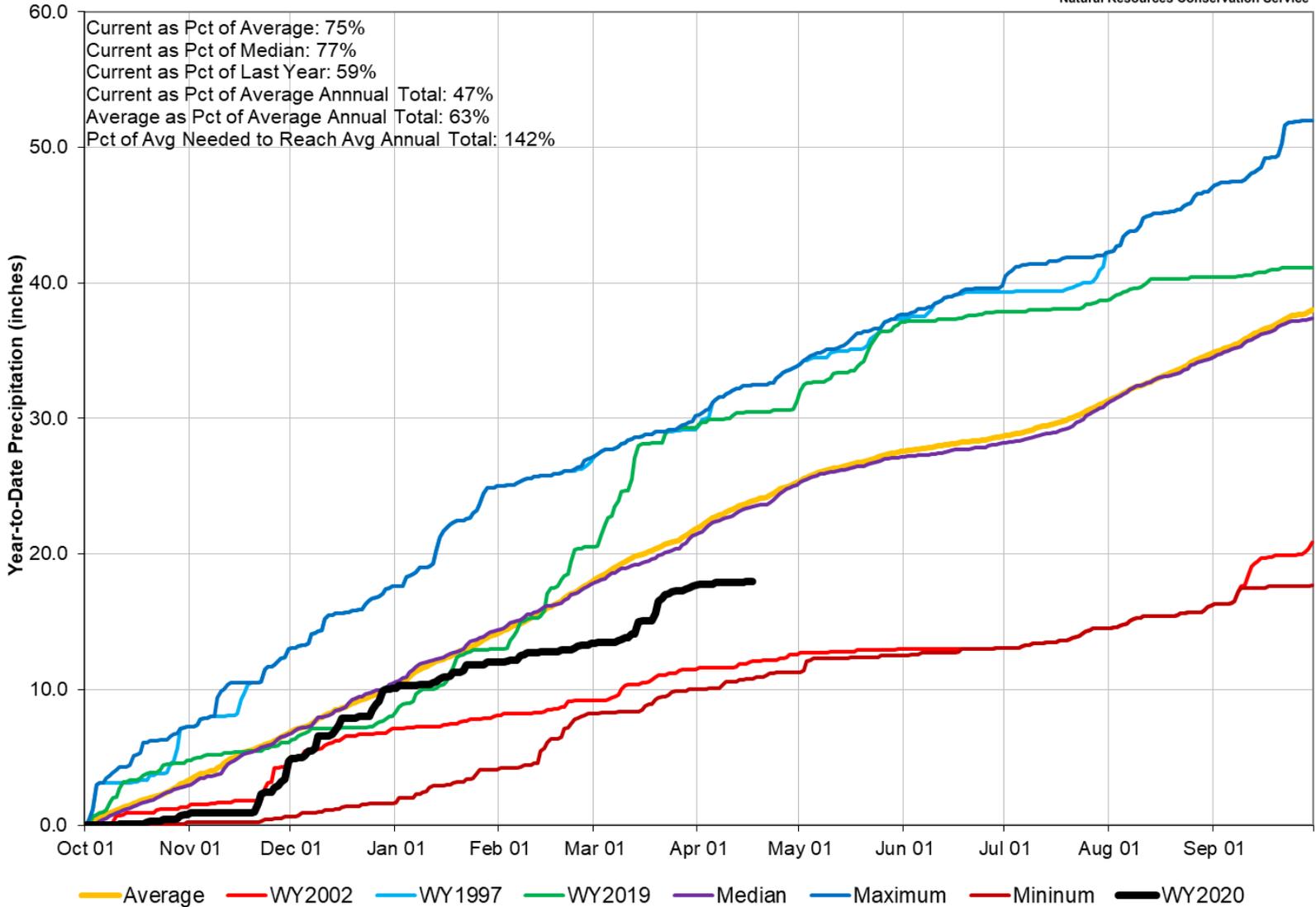
San Miguel, Dolores, Animas and San Juan River Basins High/Low Year-to-Date Precipitation Summary

Based on Provisional SNOTEL data as of Apr 17, 2020



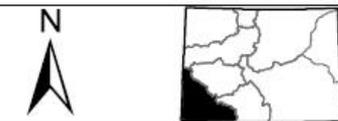
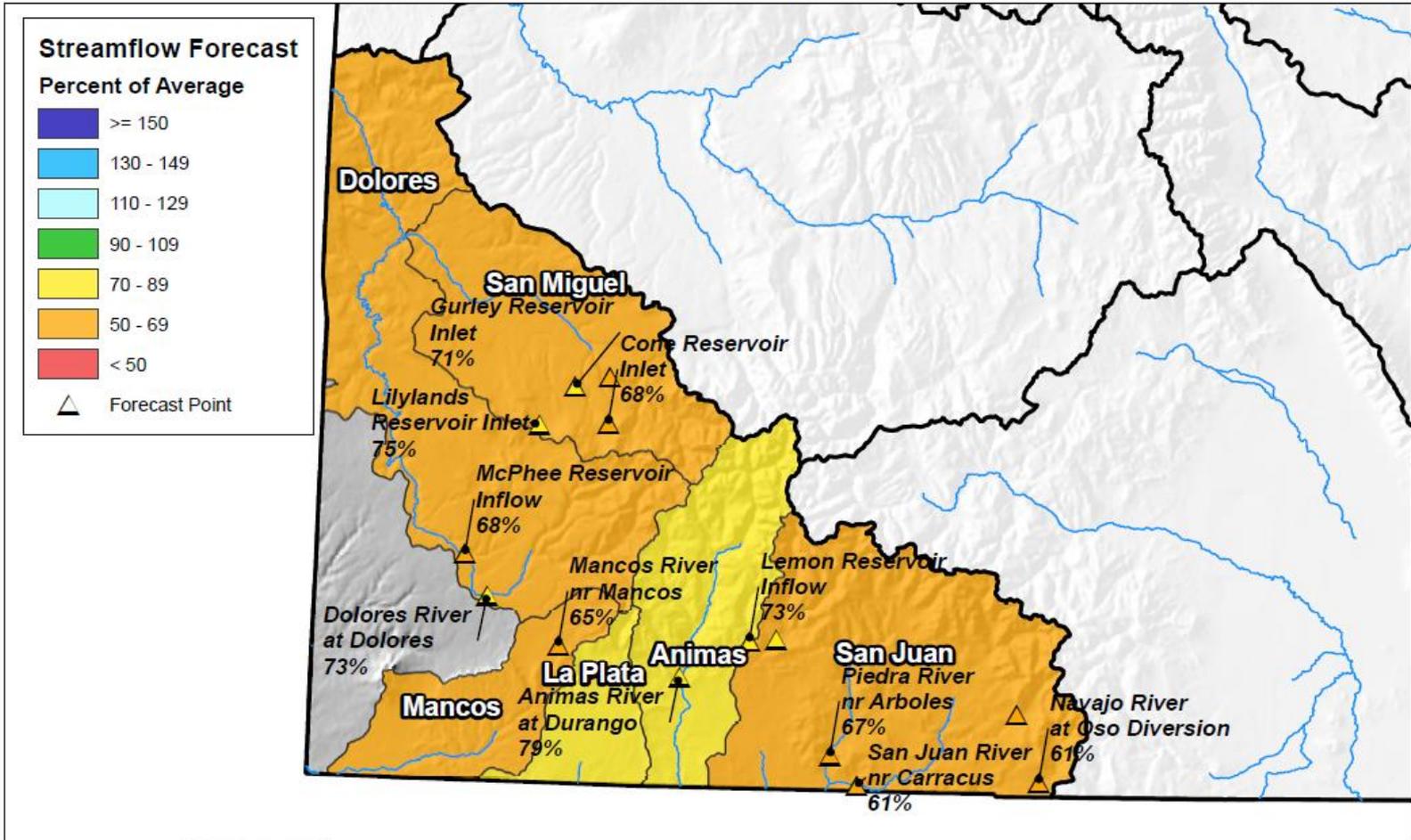
United States Department of Agriculture

Natural Resources Conservation Service



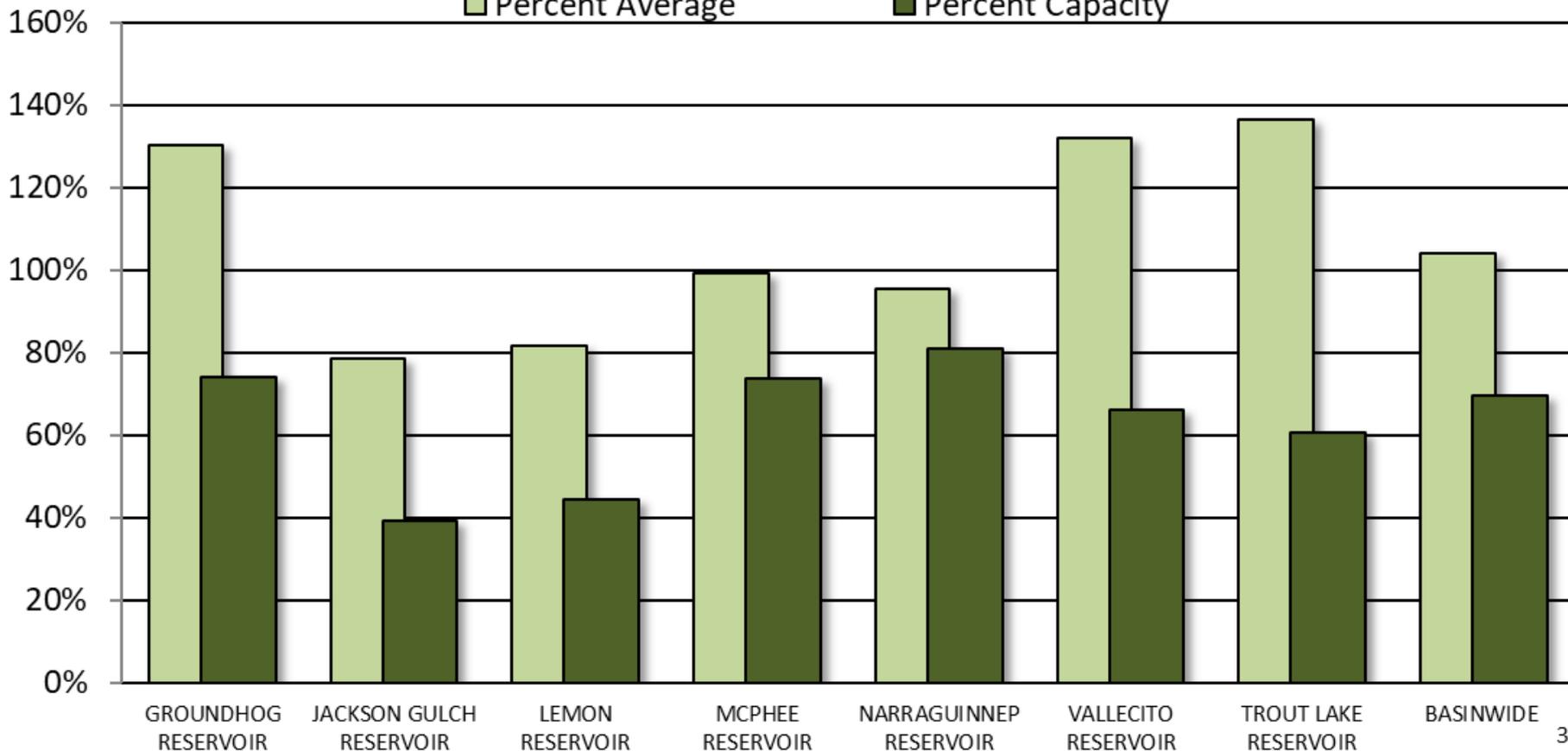
San Miguel, Dolores, Animas, and San Juan River Basins Streamflow Forecast Summary

April 1, 2020



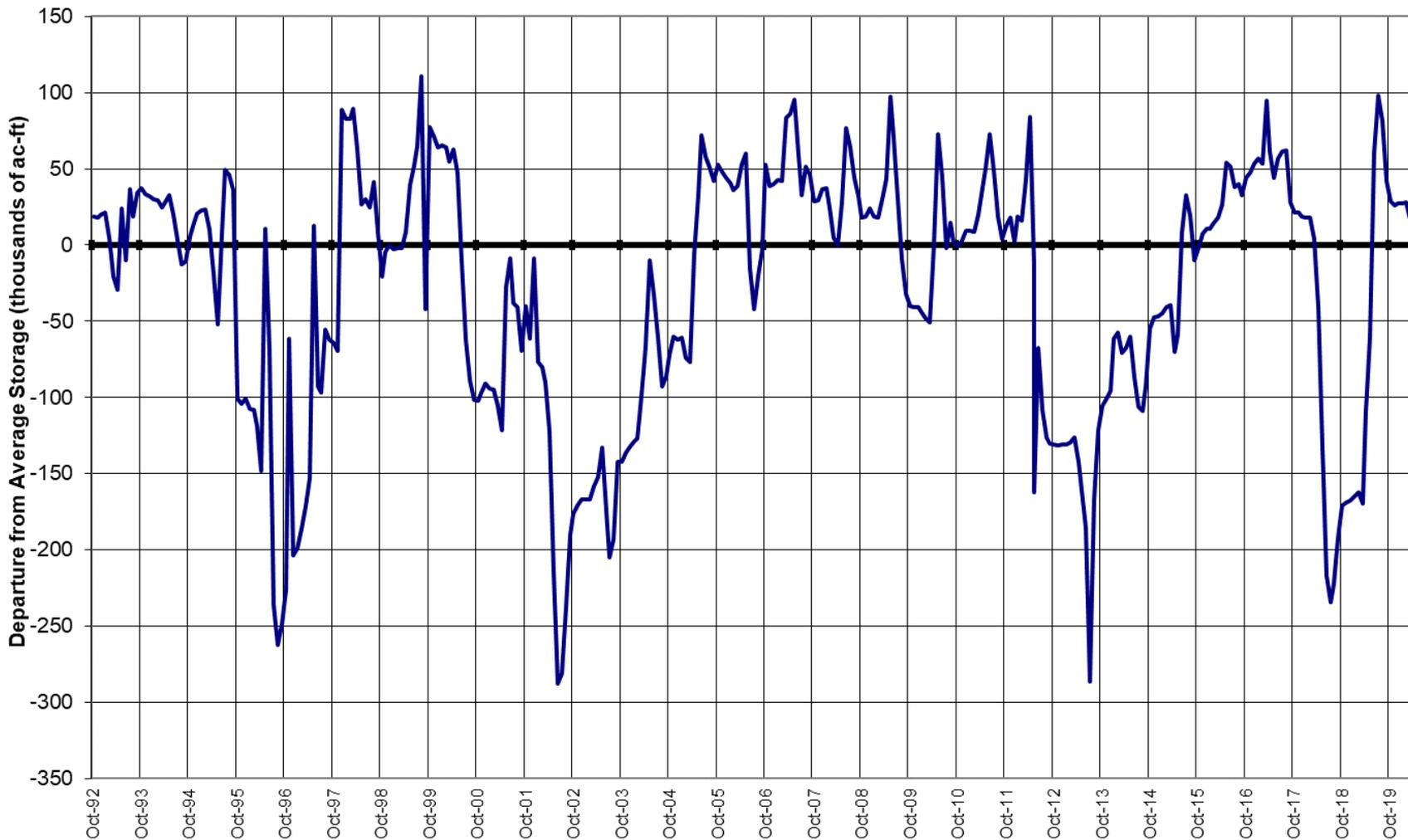
Reservoir Storage

■ Percent Average ■ Percent Capacity





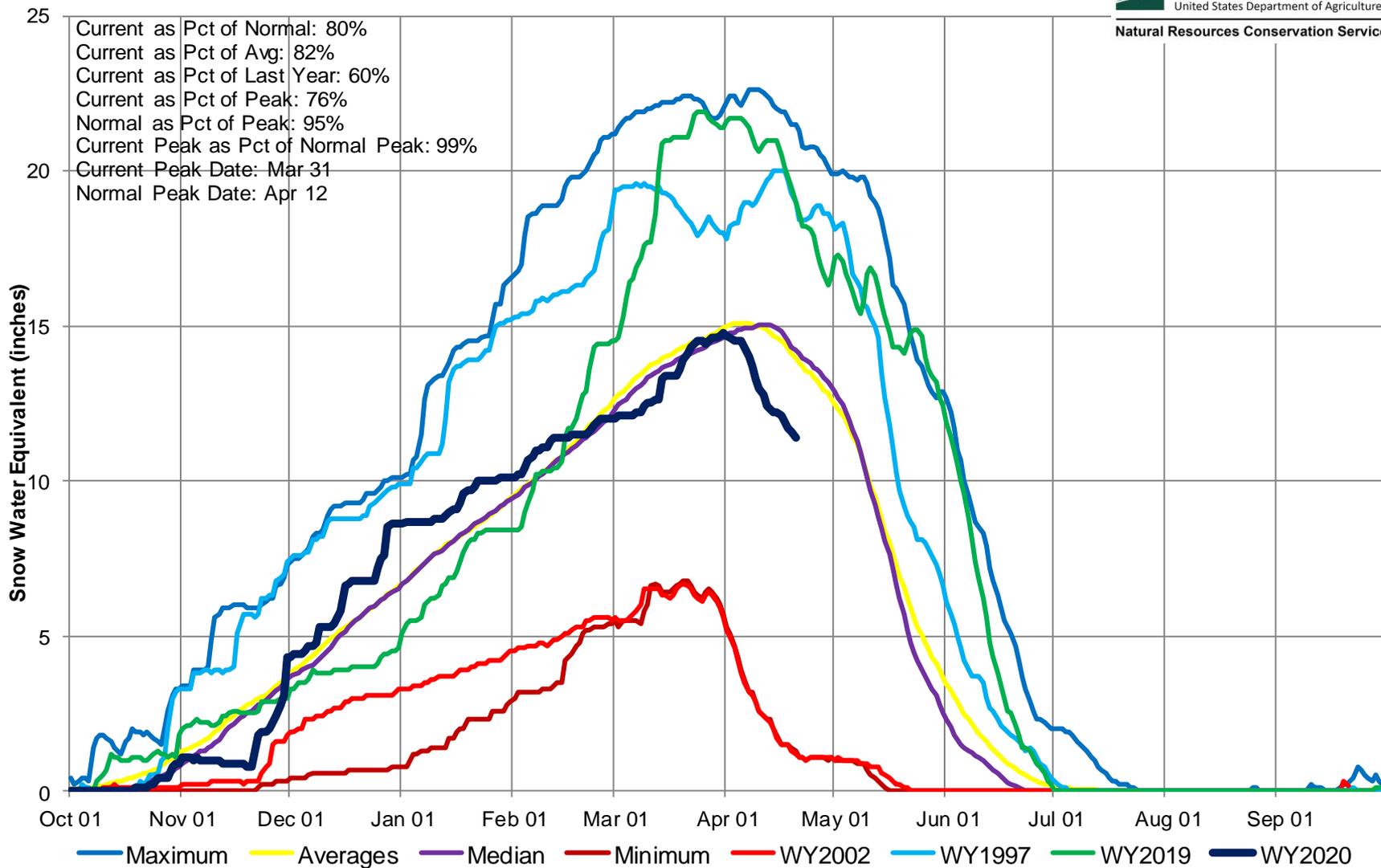
SAN MIGUEL, DOLORES, ANIMAS AND SAN JUAN RIVER BASINS Reservoir Storage Departure from Average





Upper Rio Grande Basin High/Low Snowpack Summary

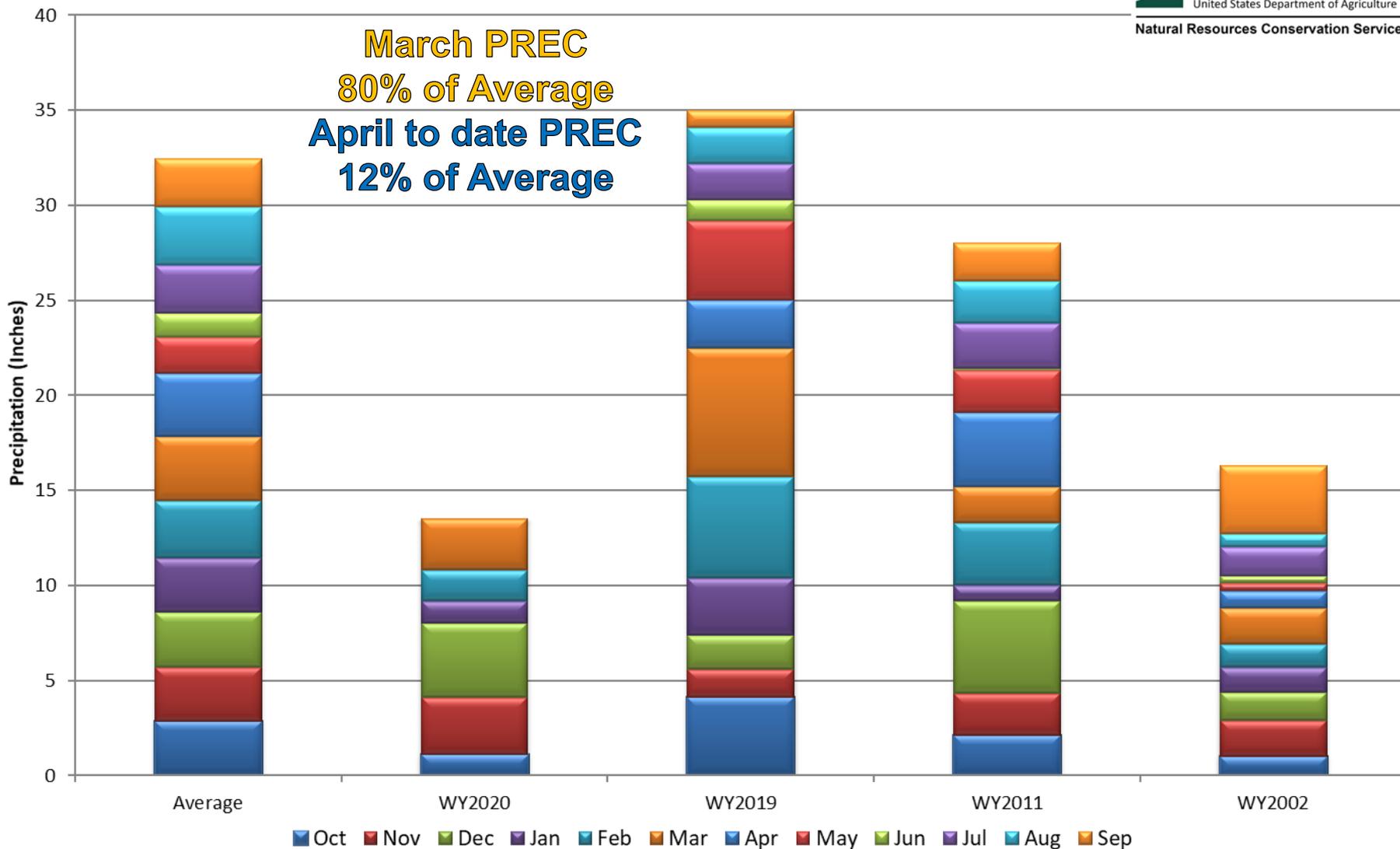
Based on Provisional SNOTEL data as of Apr 20, 2020



Upper Rio Grande River Basin High/Low Monthly Precipitation Summary

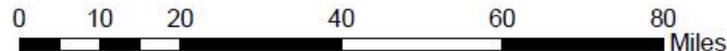
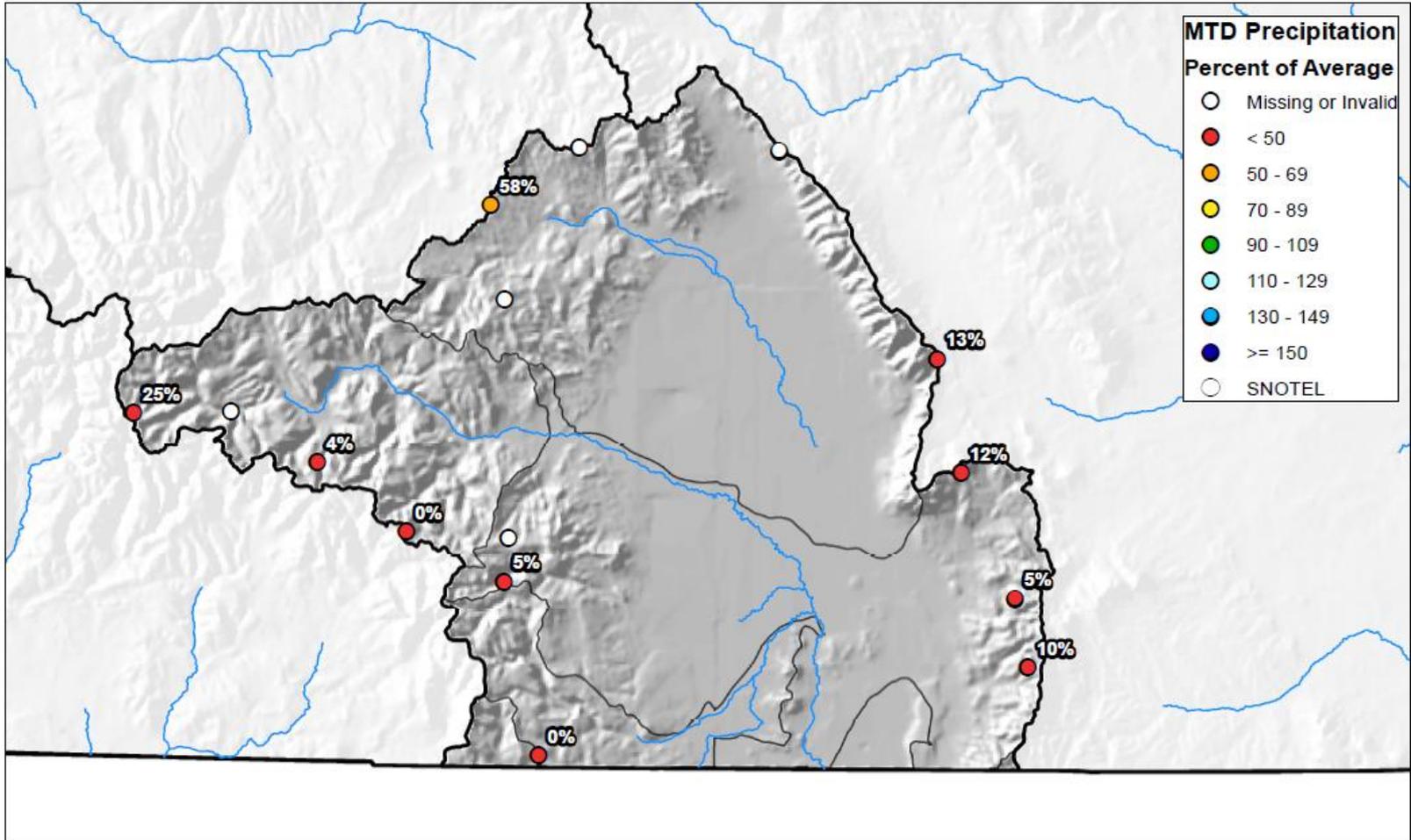
Based on Provisional SNOTEL data as of Apr 17, 2020

March PREC
80% of Average
April to date PREC
12% of Average



Upper Rio Grande River Basin Month to Date Precipitation Summary

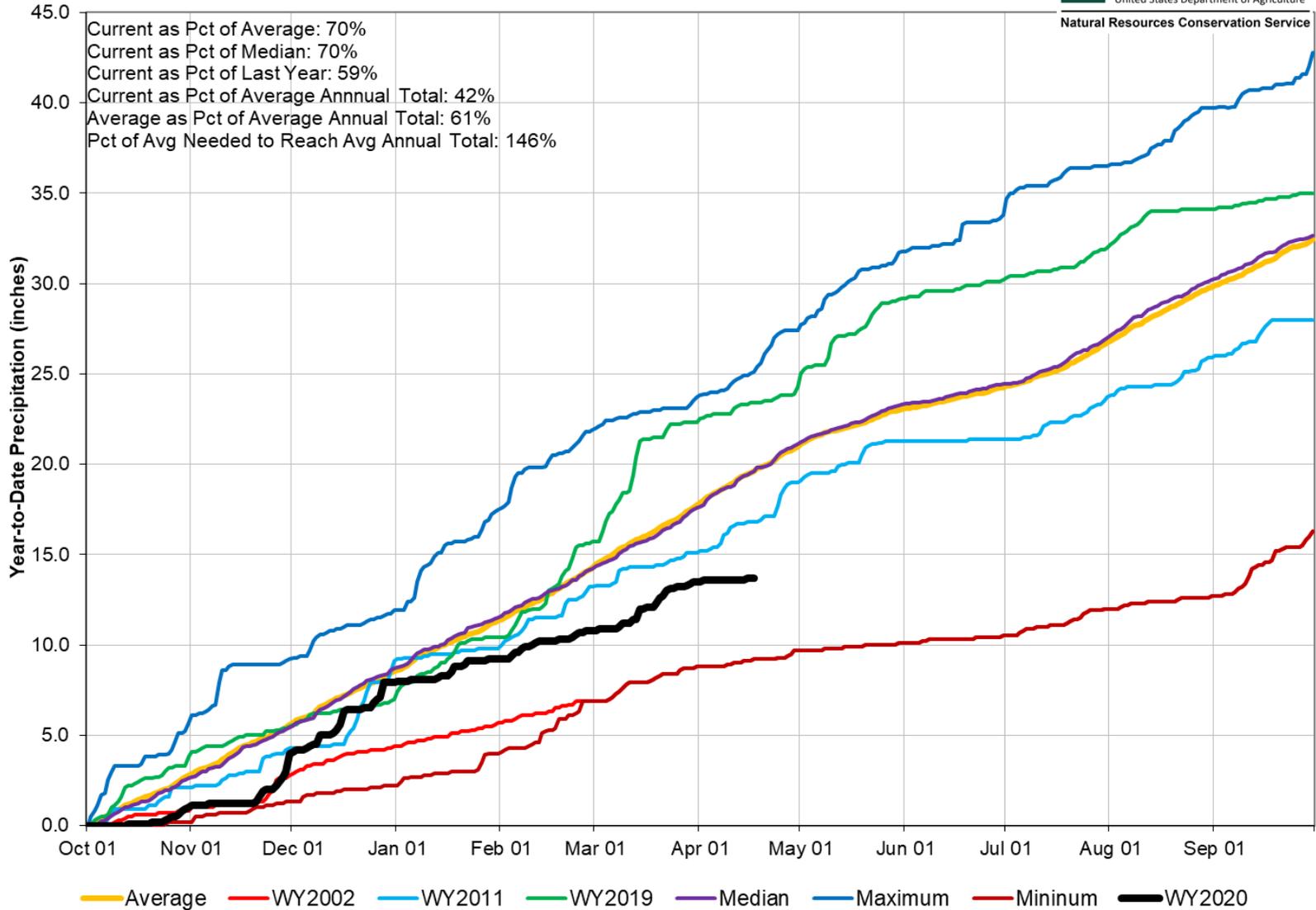
Current as of Apr 20, 2020



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

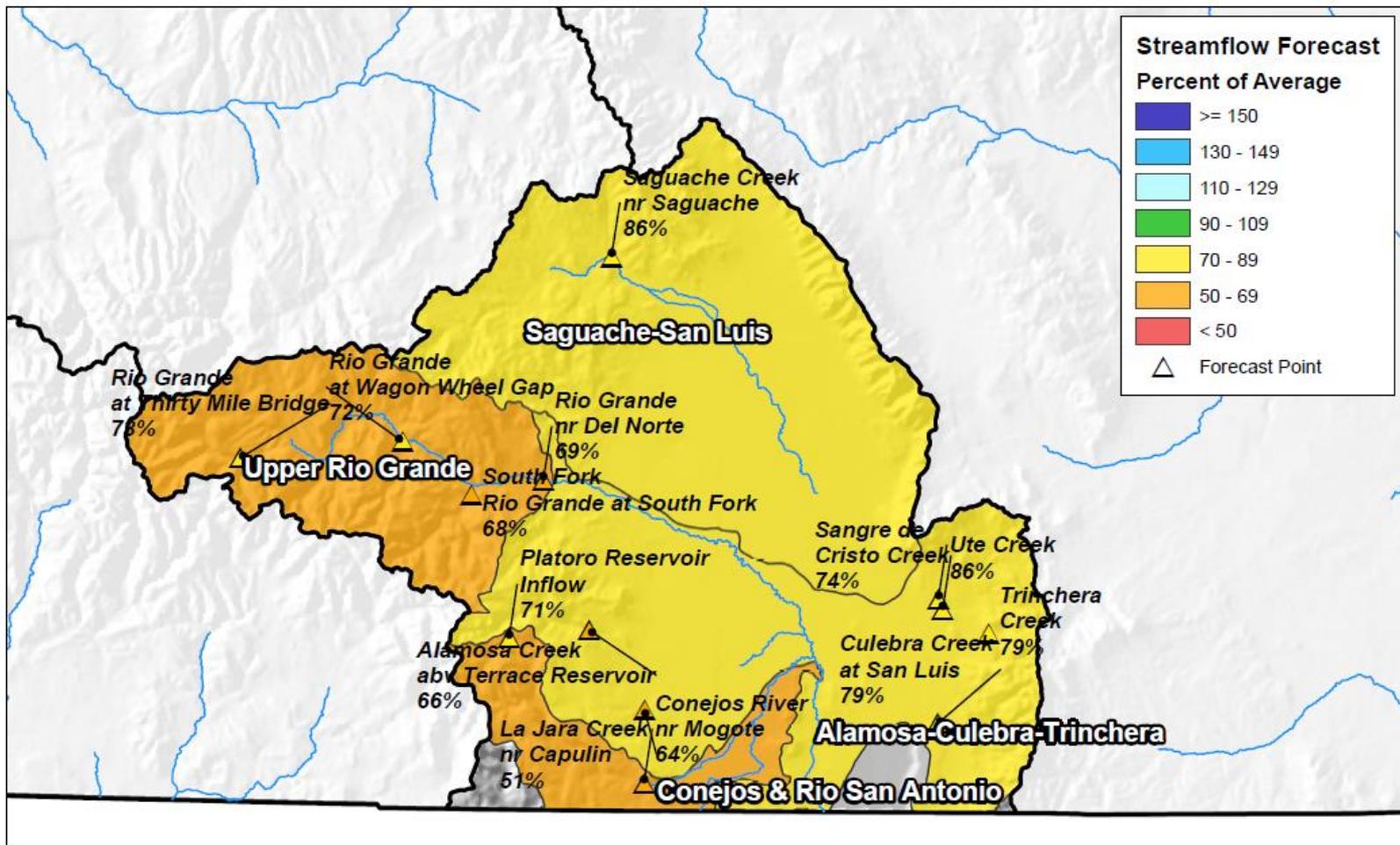
Based on Provisional SNOTEL data as of Apr 17, 2020

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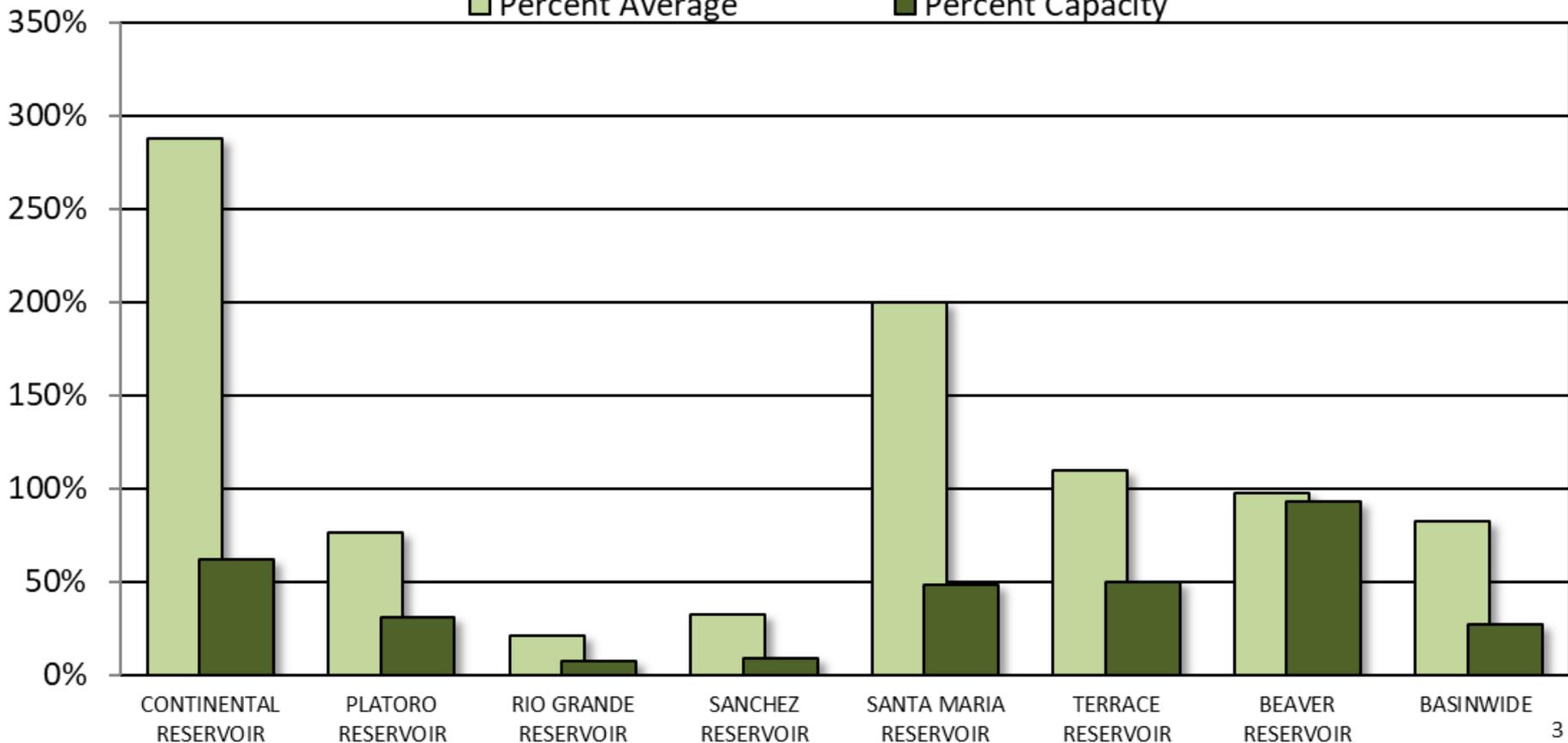
Upper Rio Grande River Basin Streamflow Forecast Summary

April 1, 2020

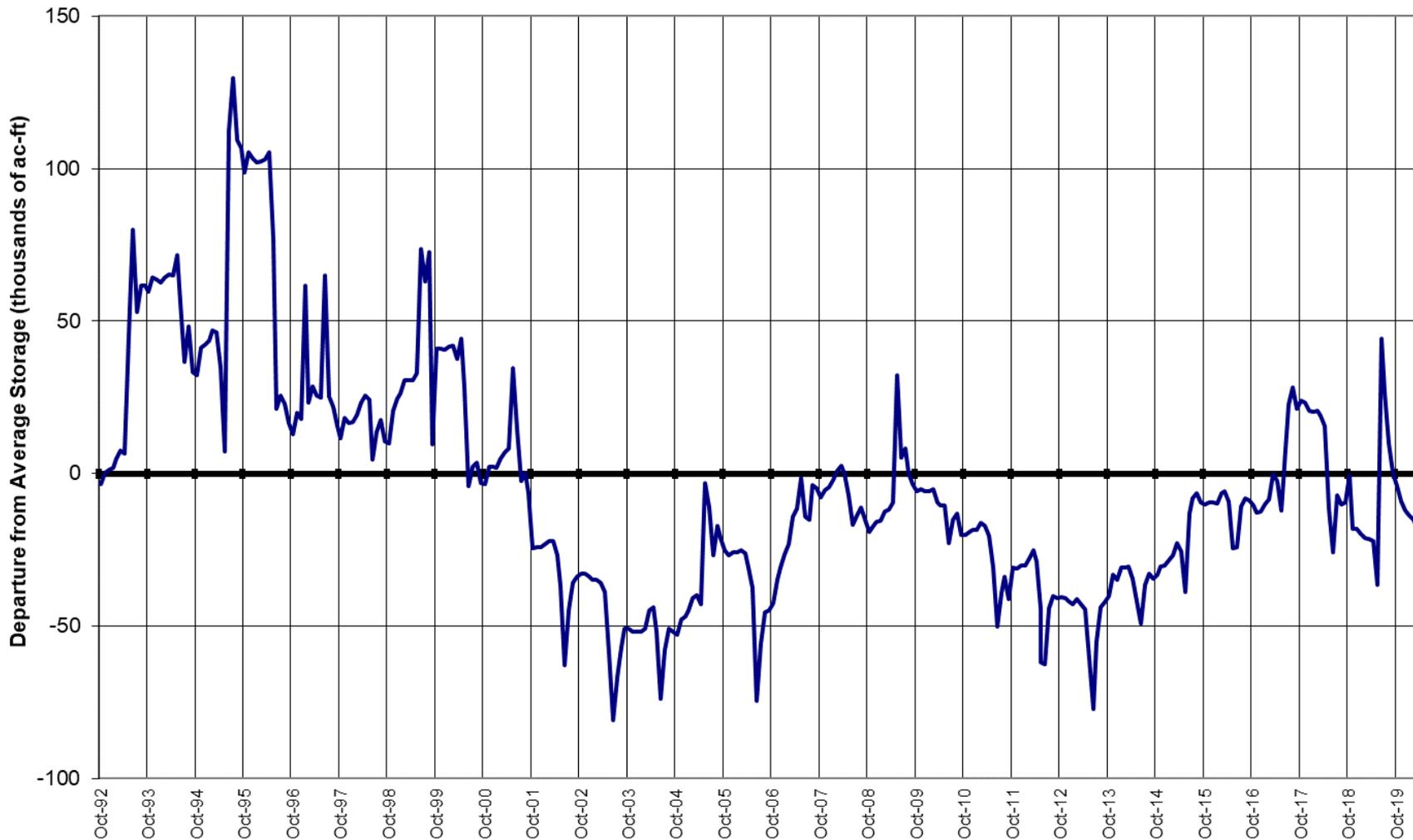


Reservoir Storage

■ Percent Average ■ Percent Capacity



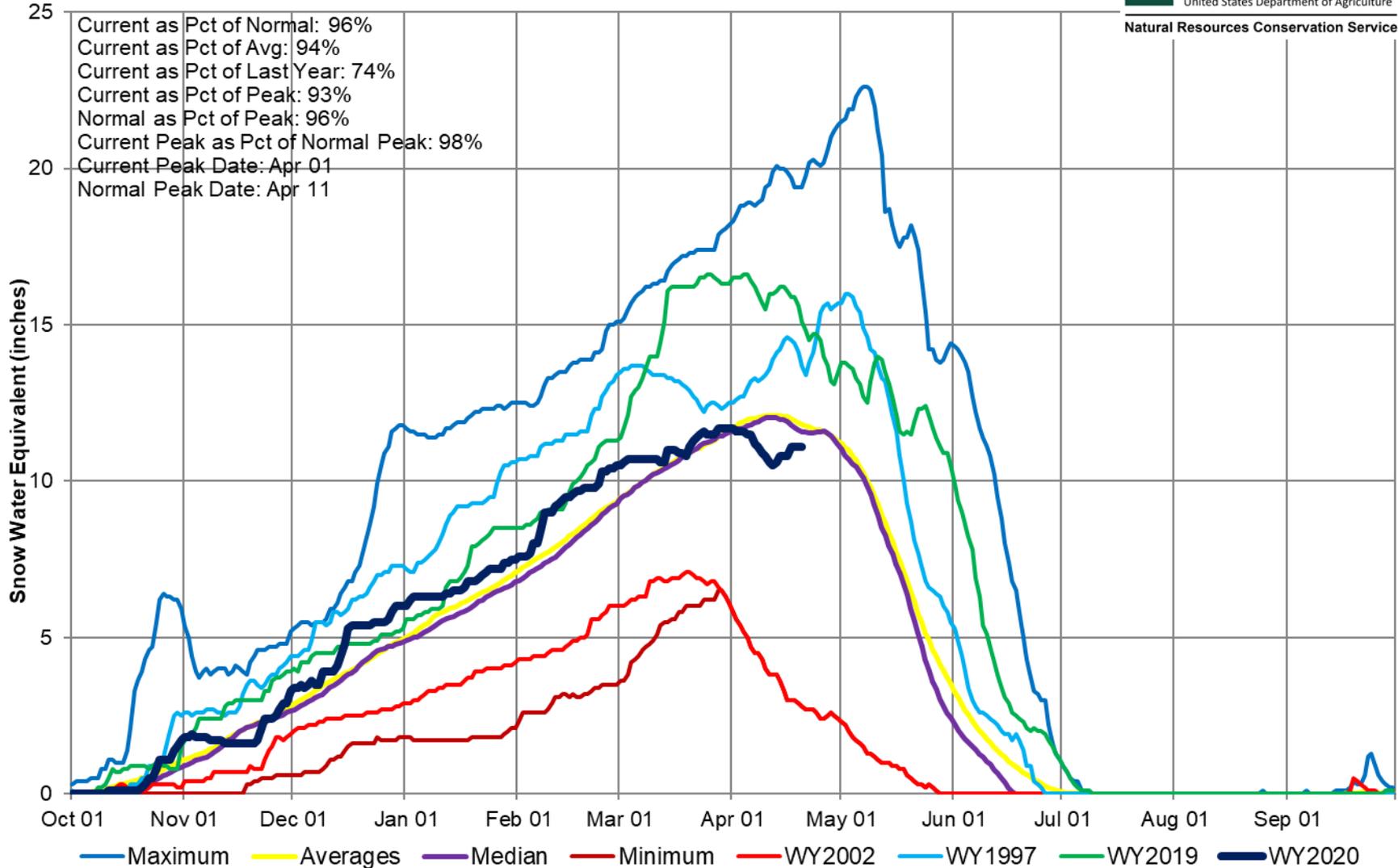
UPPER RIO GRANDE BASIN
Reservoir Storage
Departure from Average



Arkansas River Basin High/Low Snowpack Summary

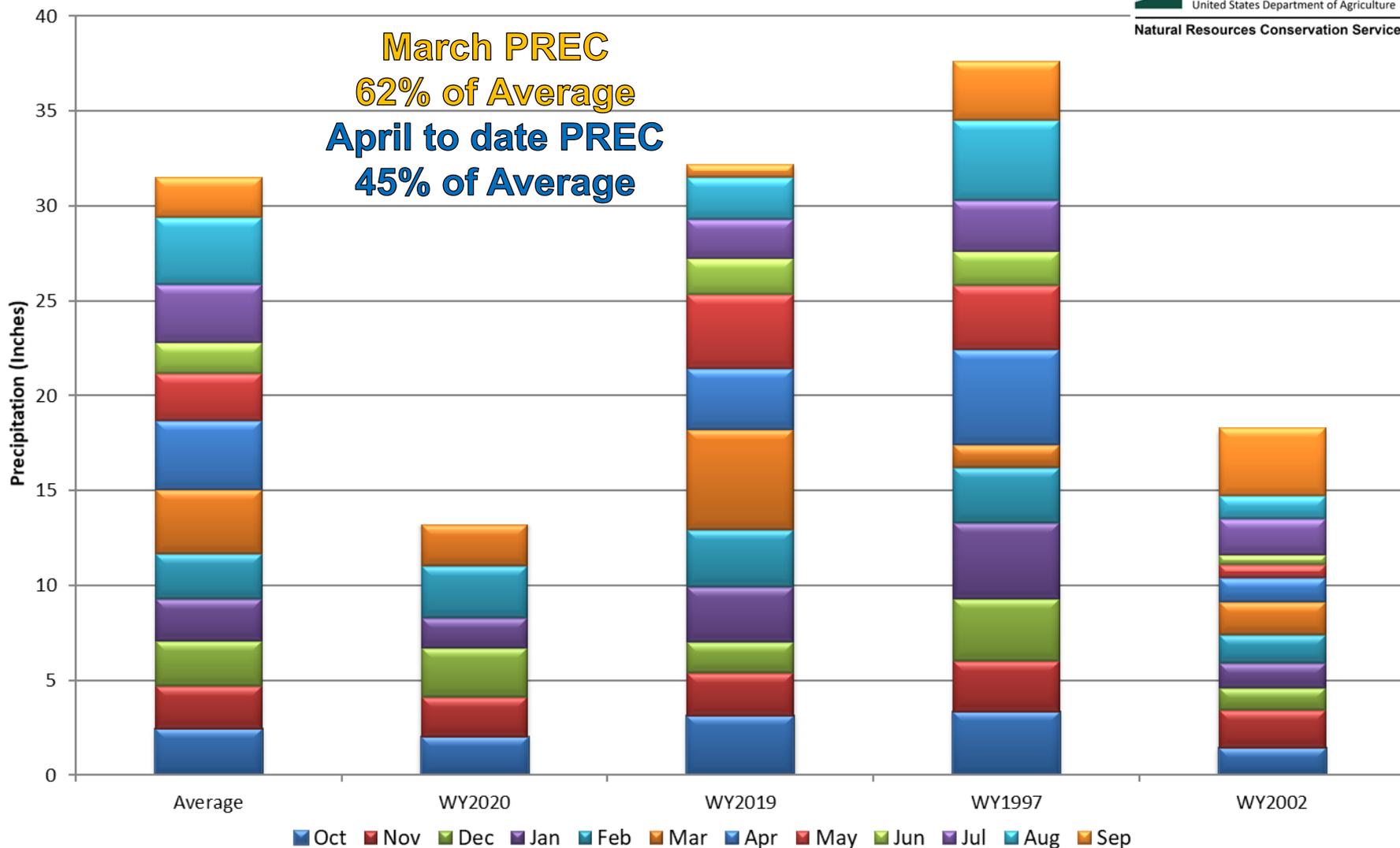
Based on Provisional SNOTEL data as of Apr 20, 2020

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Natural Resources Conservation Service



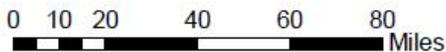
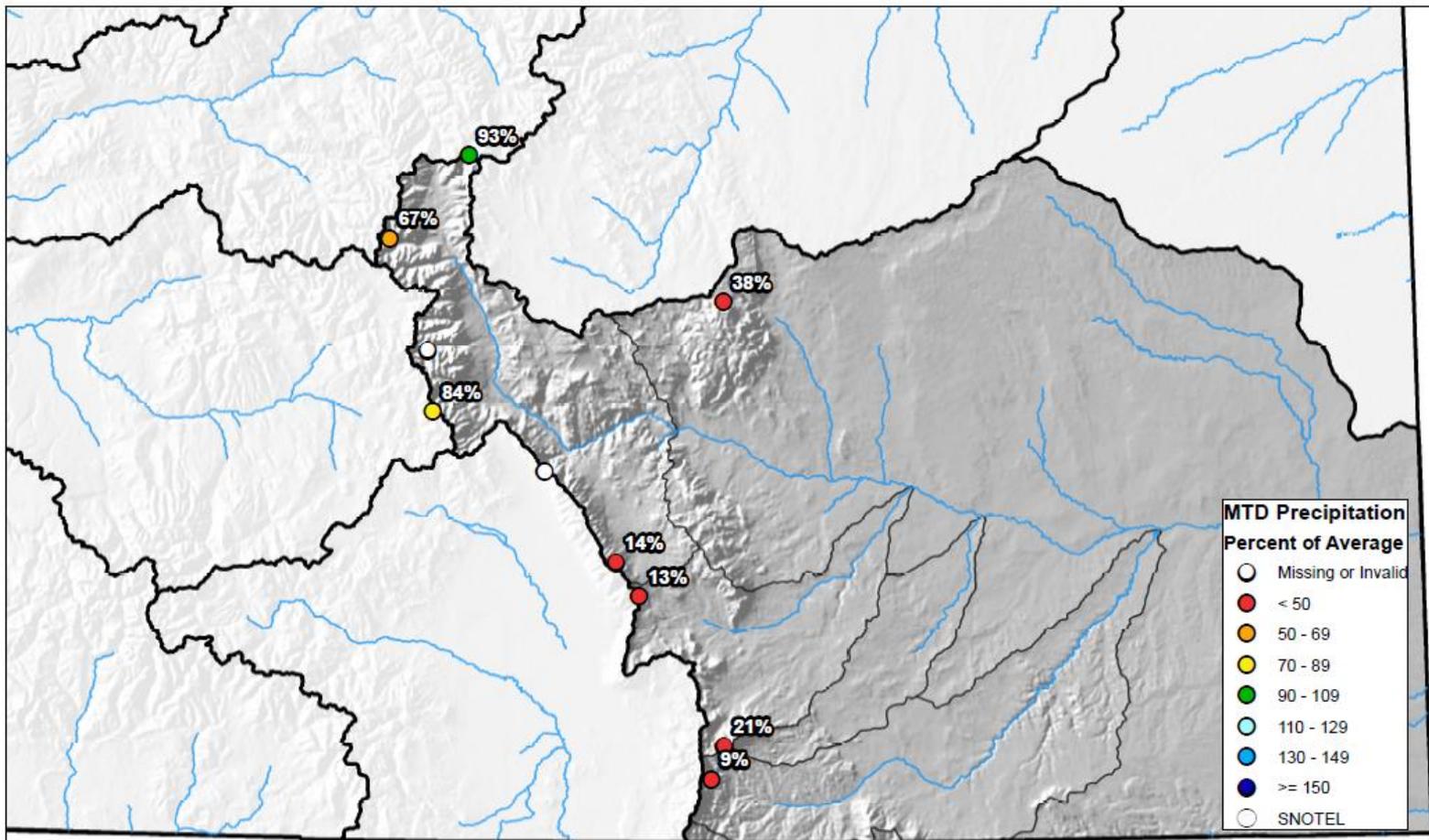
Arkansas River Basin High/Low Monthly Precipitation Summary

Based on Provisional SNOTEL data as of Apr 17, 2020



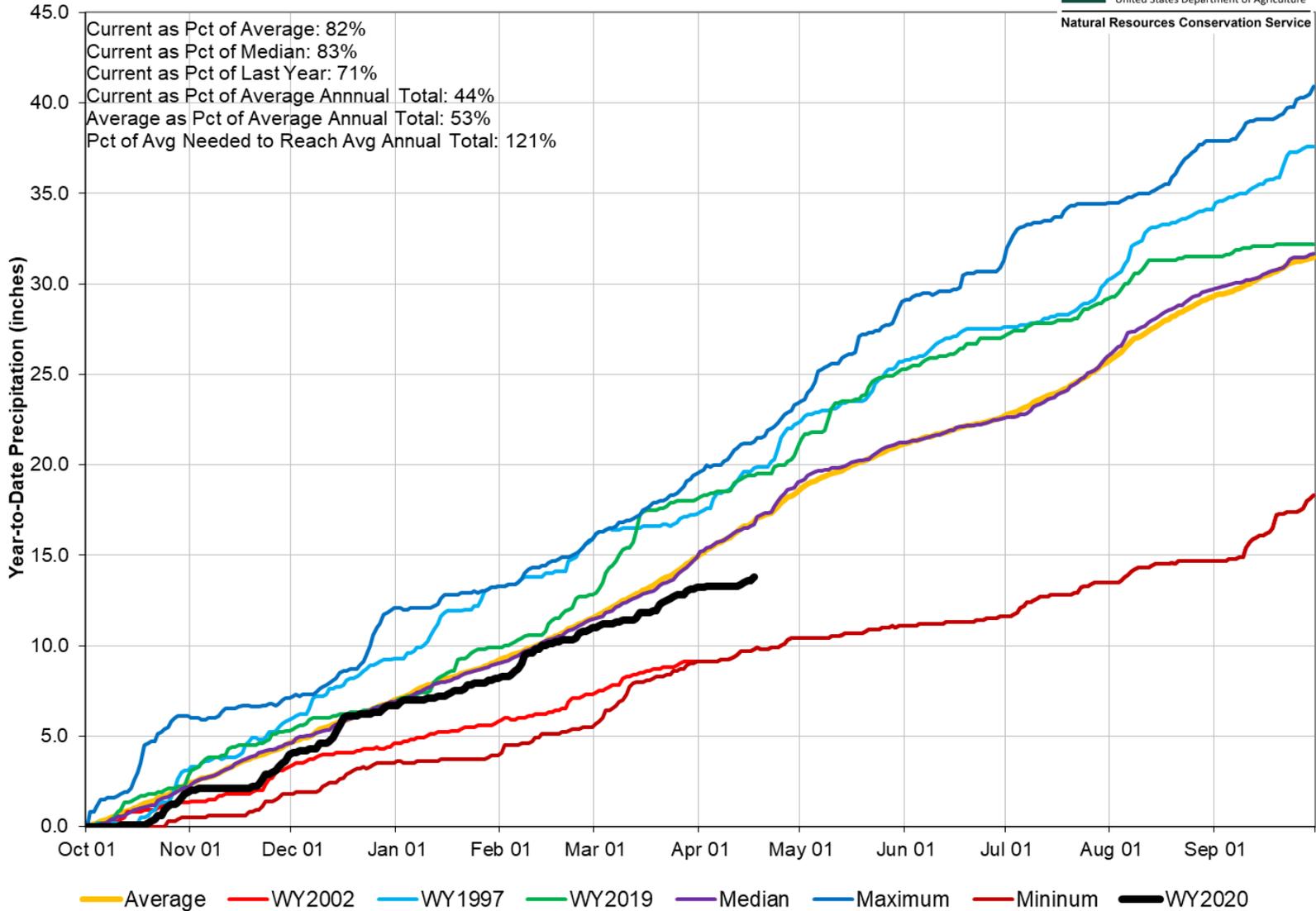
Arkansas River Basin Month to Date Precipitation Summary

Current as of Apr 20, 2020



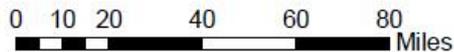
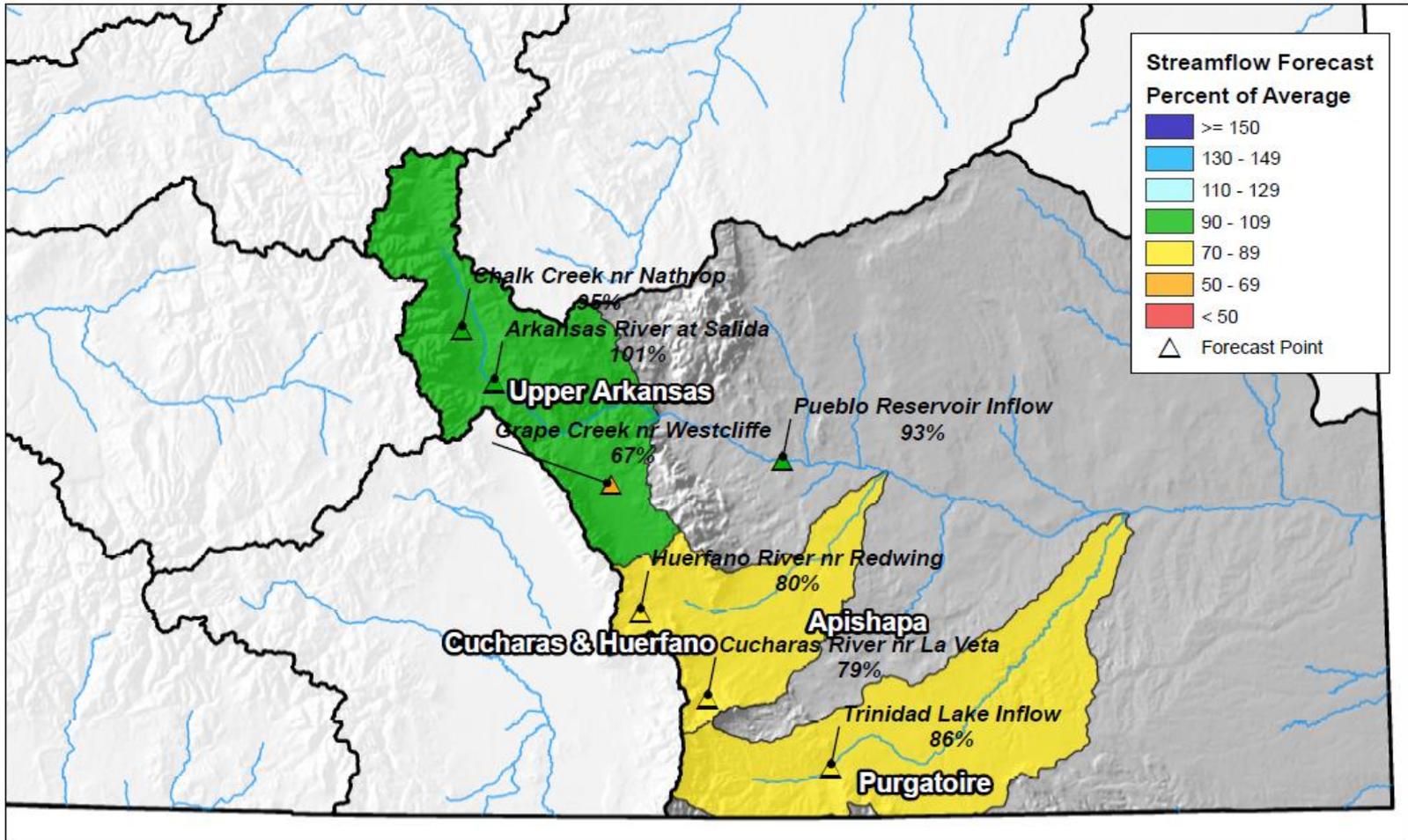
Arkansas River Basin High/Low Year-to-Date Precipitation Summary

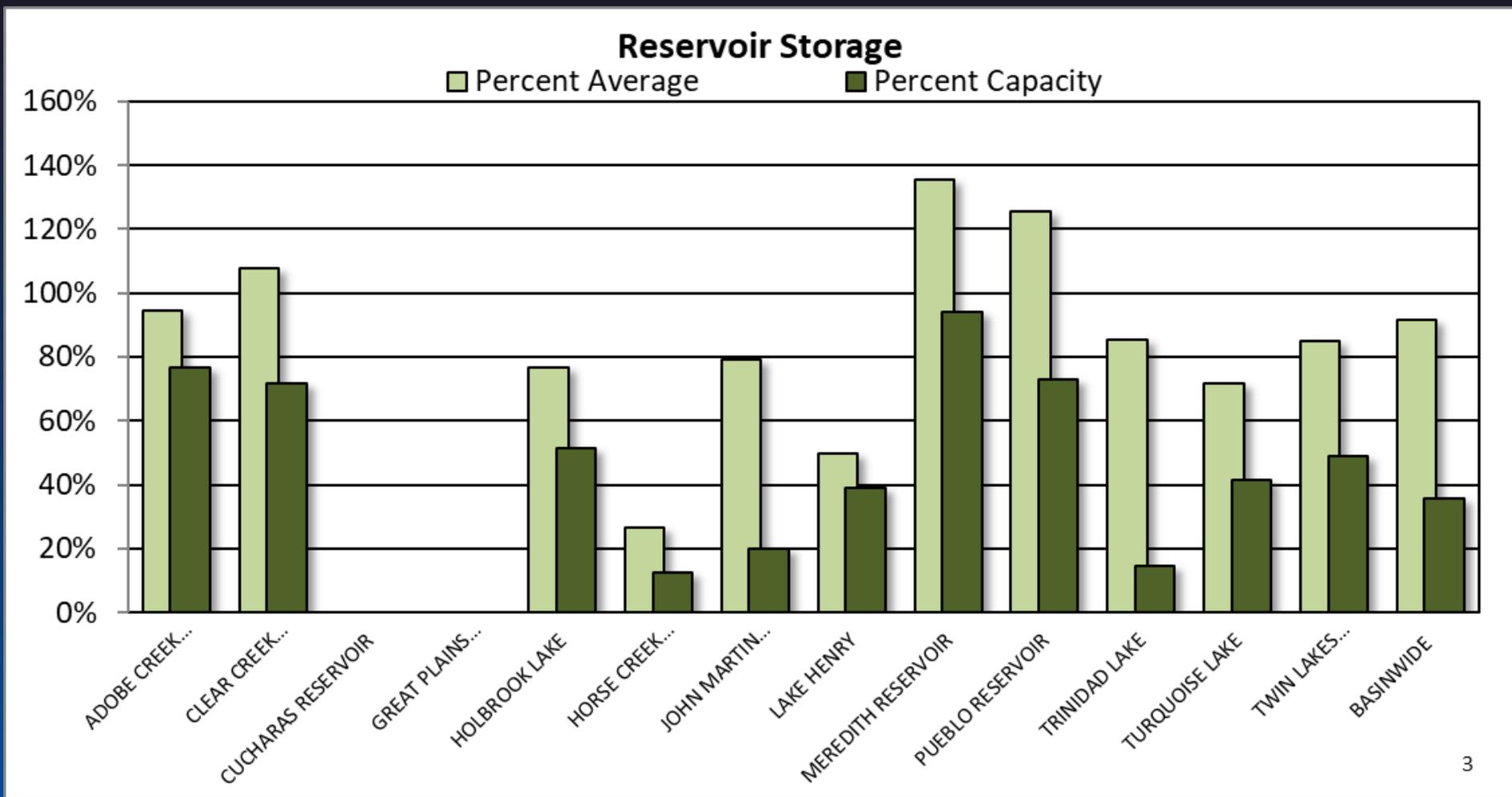
Based on Provisional SNOTEL data as of Apr 17, 2020



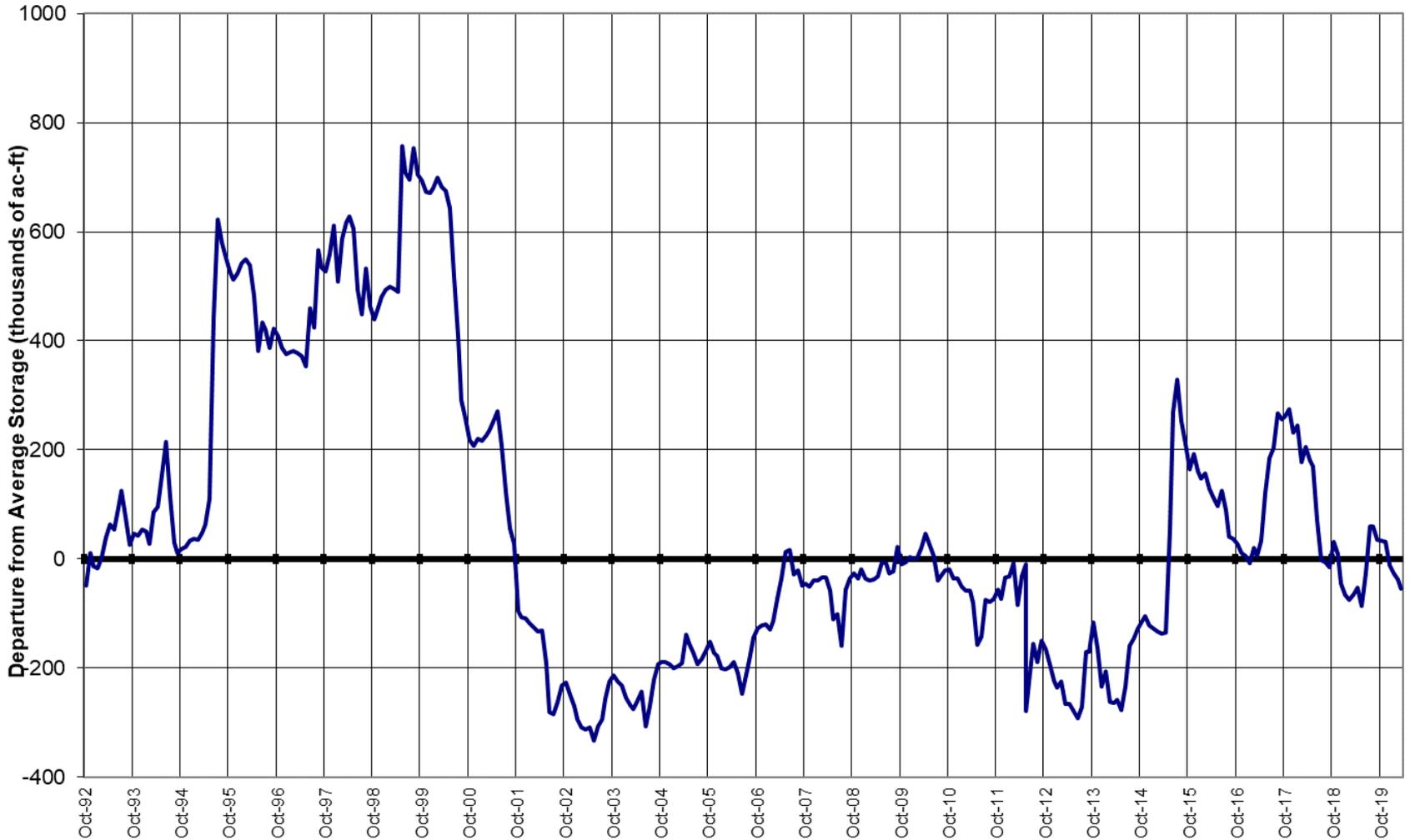
Arkansas River Basin Streamflow Forecast Summary

April 1, 2020



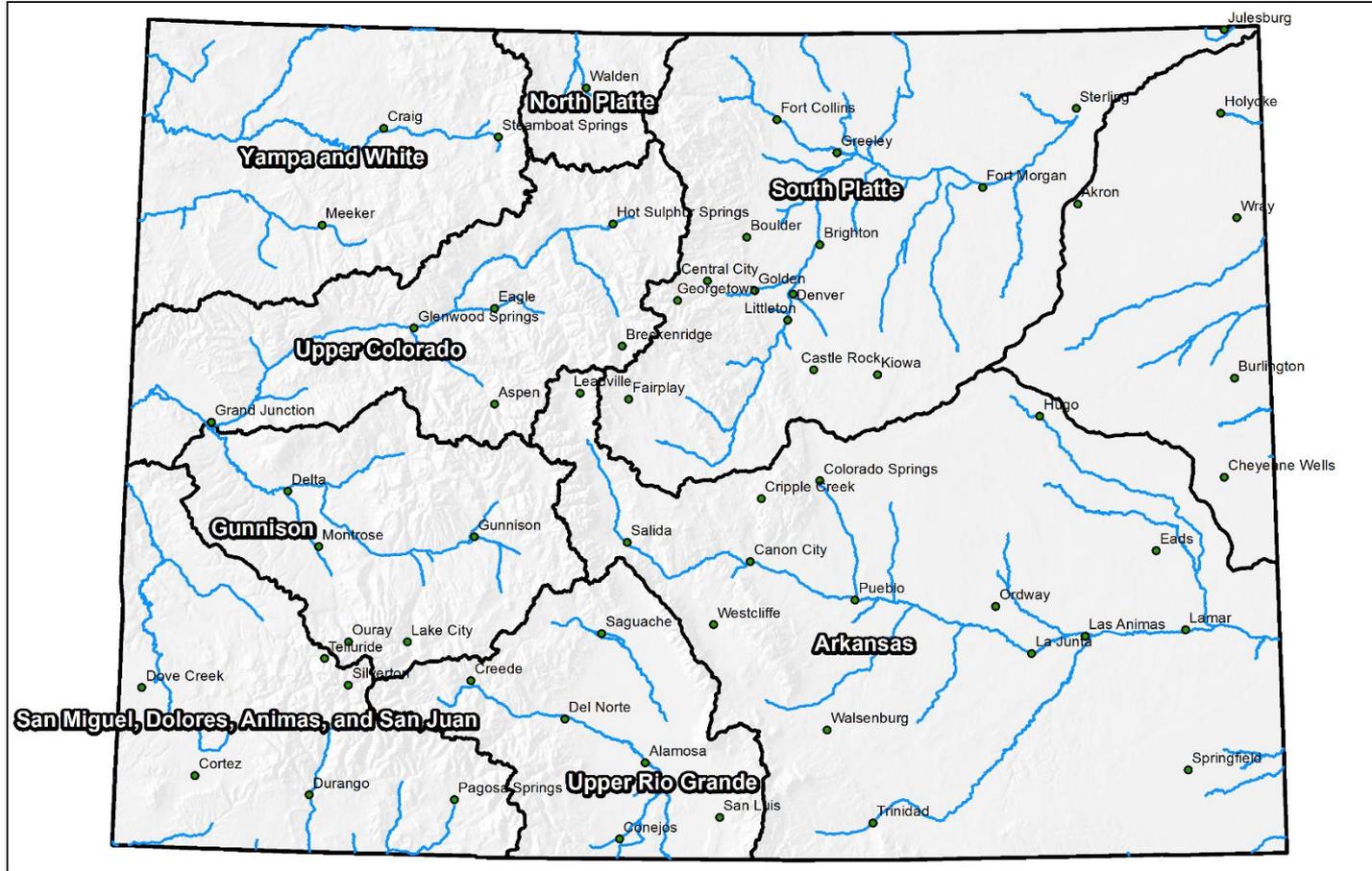


ARKANSAS RIVER BASIN
Reservoir Storage
Departure from Average



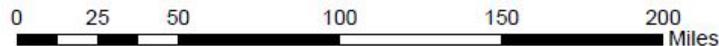
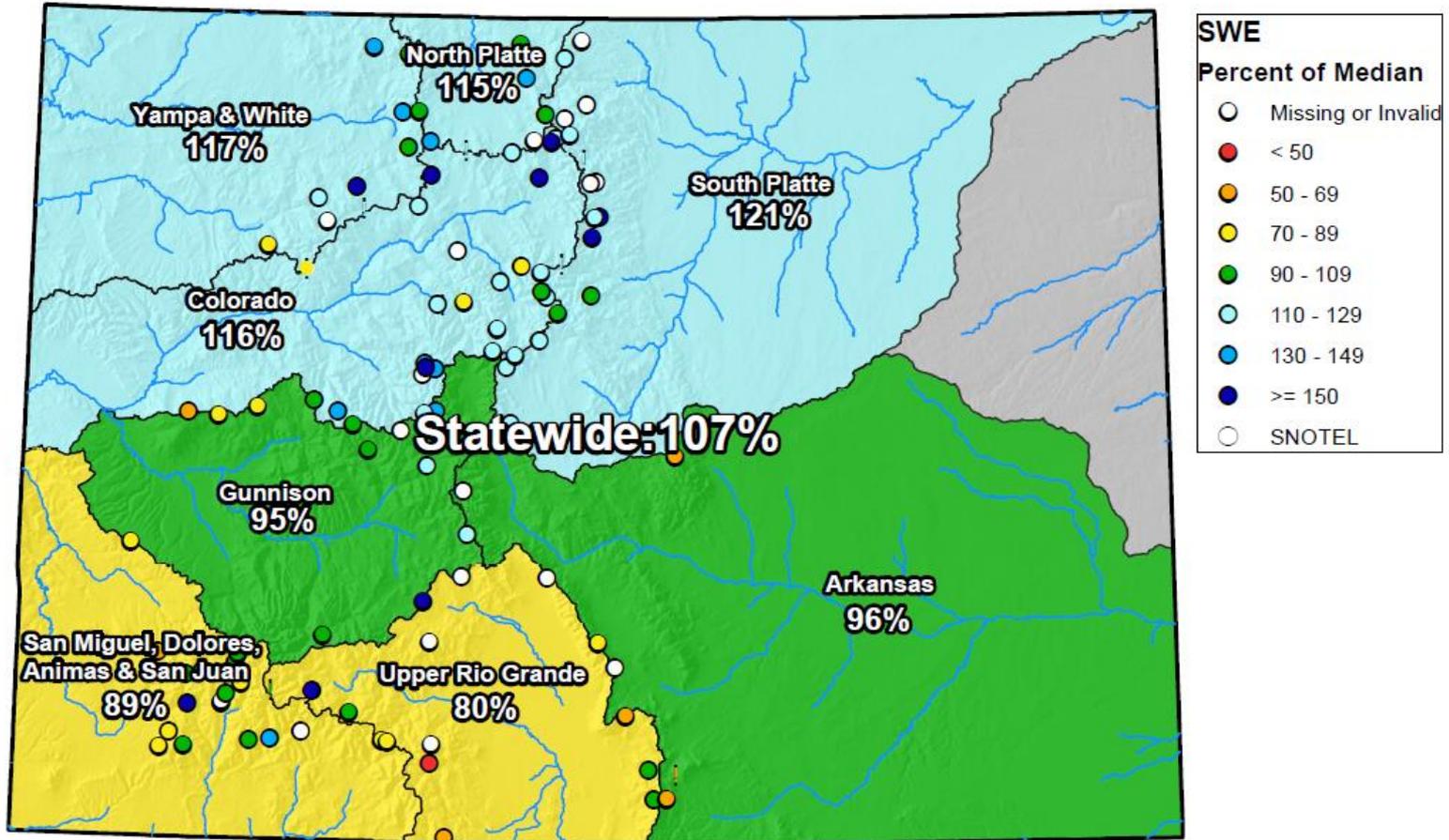
Colorado Statewide Summary

Colorado Major Basins



Colorado SNOTEL Snow Water Equivalent (SWE) Update Map with Site Data

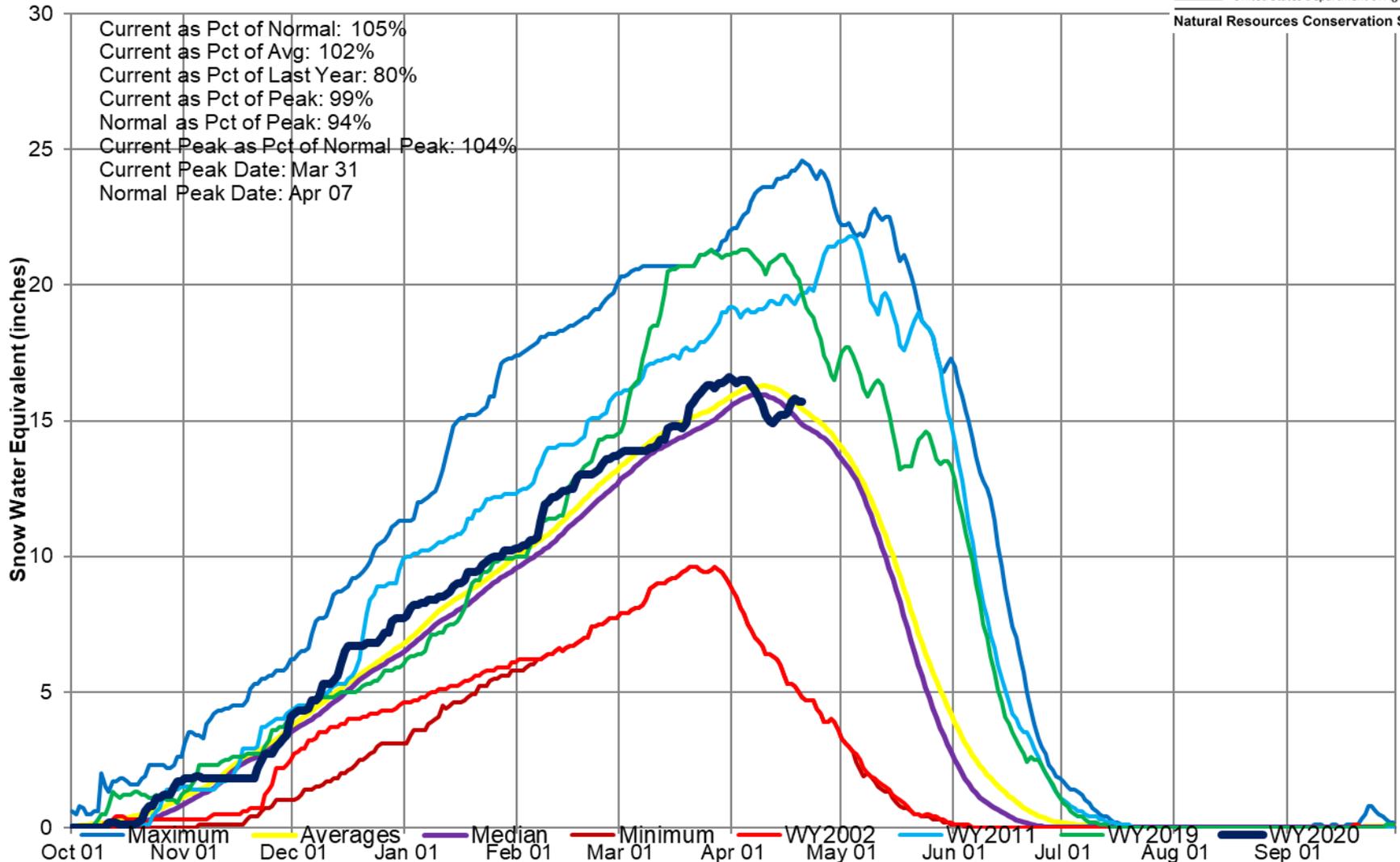
Current as of Apr 20, 2020





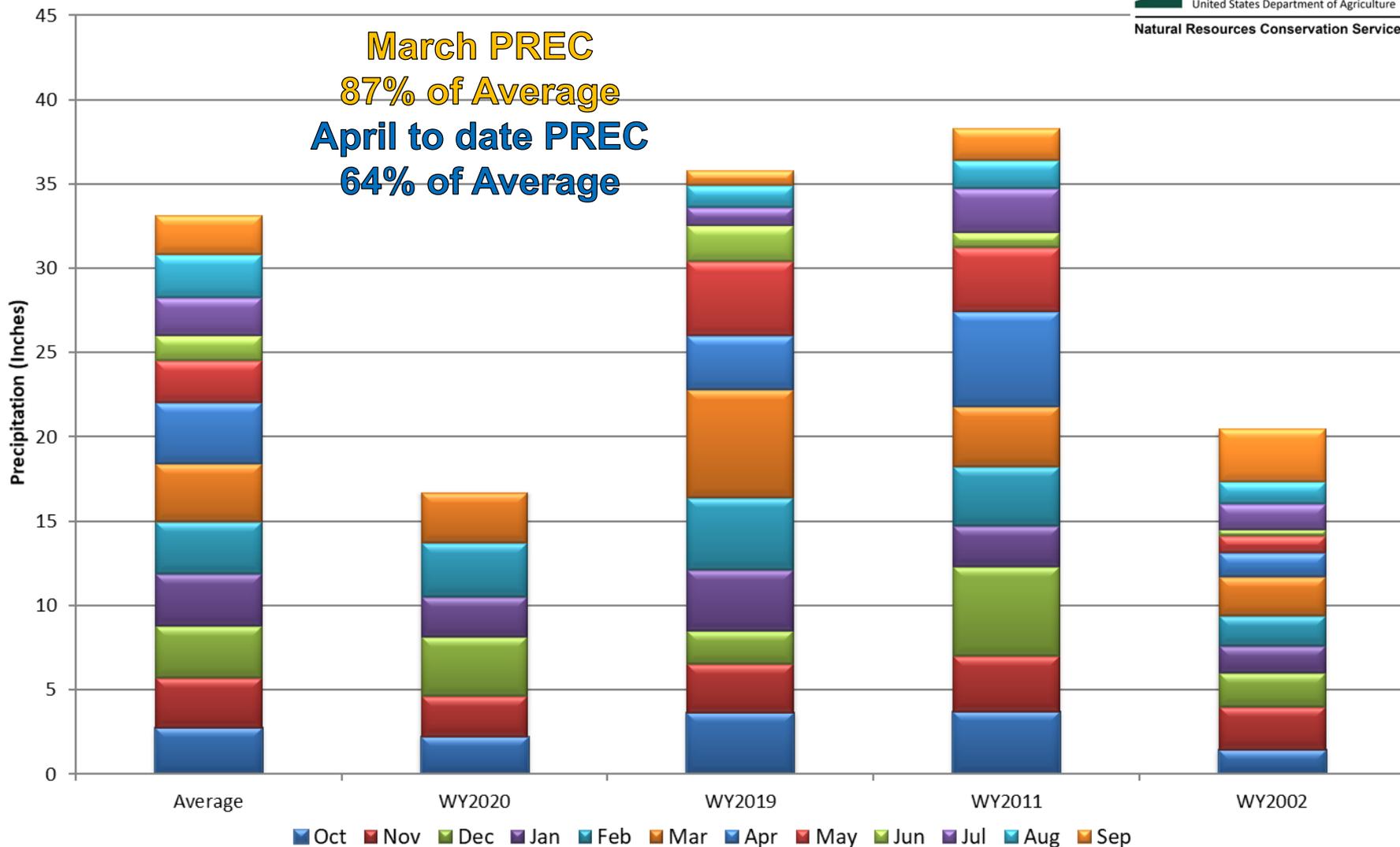
Colorado Statewide High/Low Snowpack Summary

Based on Provisional SNOTEL data as of Apr 20, 2020



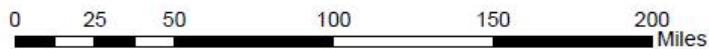
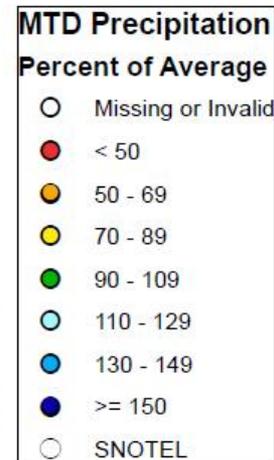
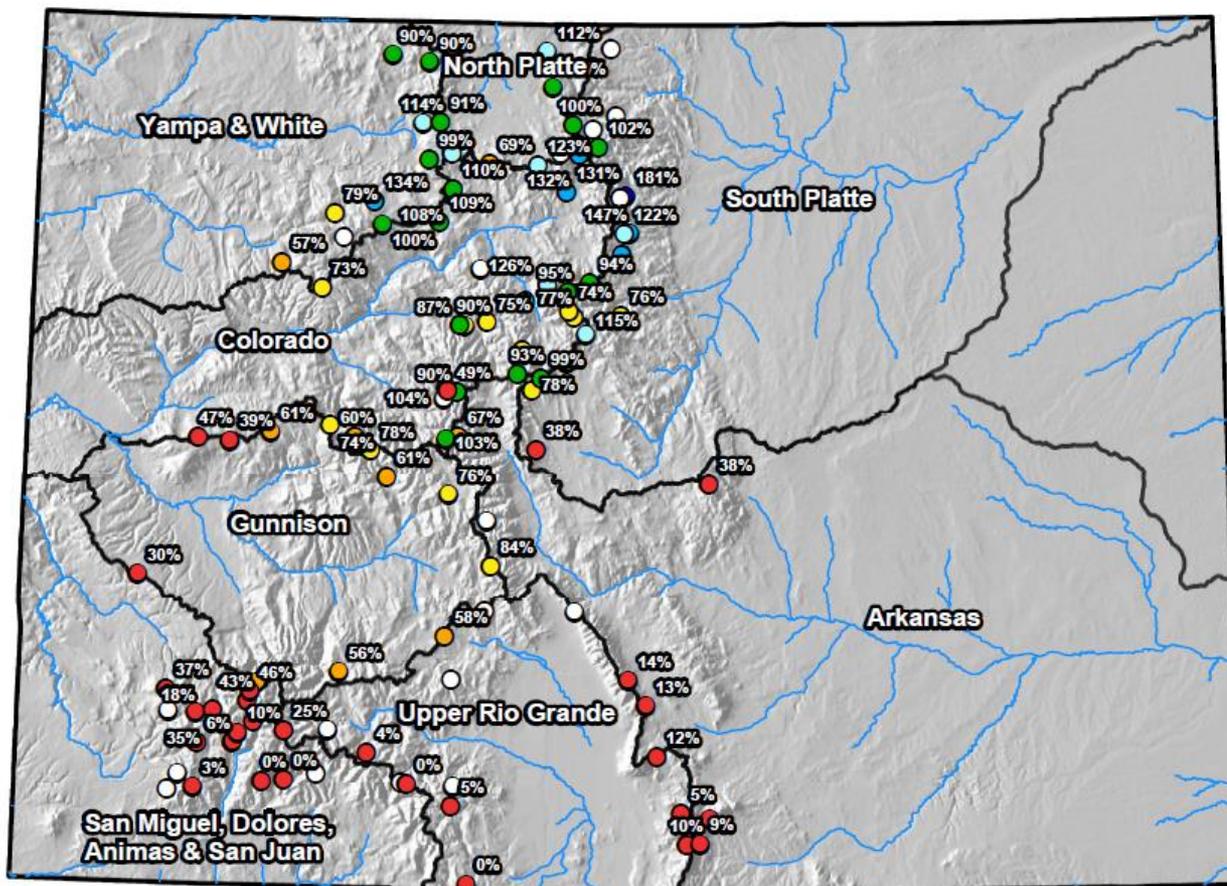
Colorado Statewide High/Low Monthly Precipitation Summary

Based on Provisional SNOTEL data as of Apr 17, 2020



Colorado SNOTEL Month-to-Date Precipitation

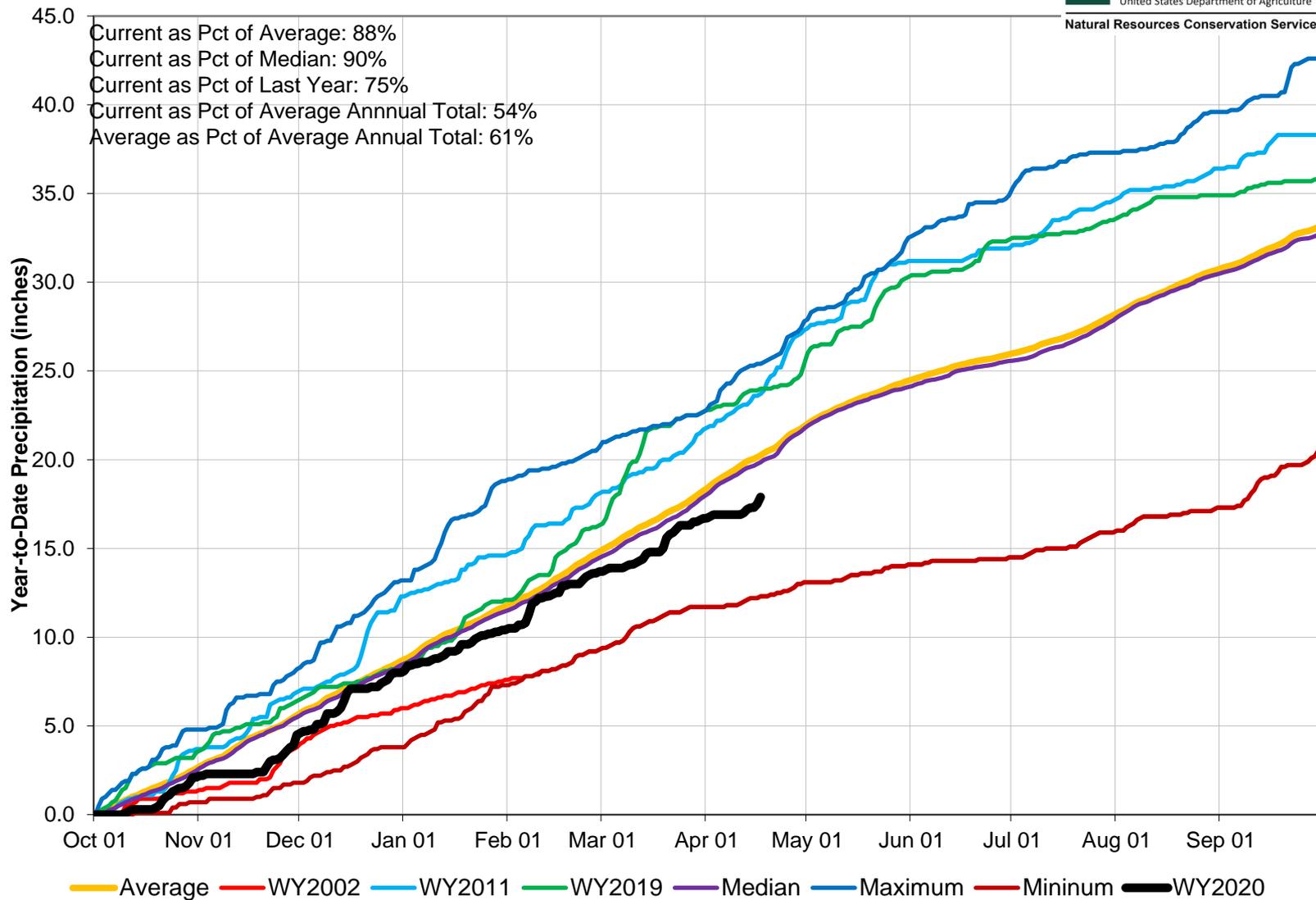
Current as of Apr 20, 2020





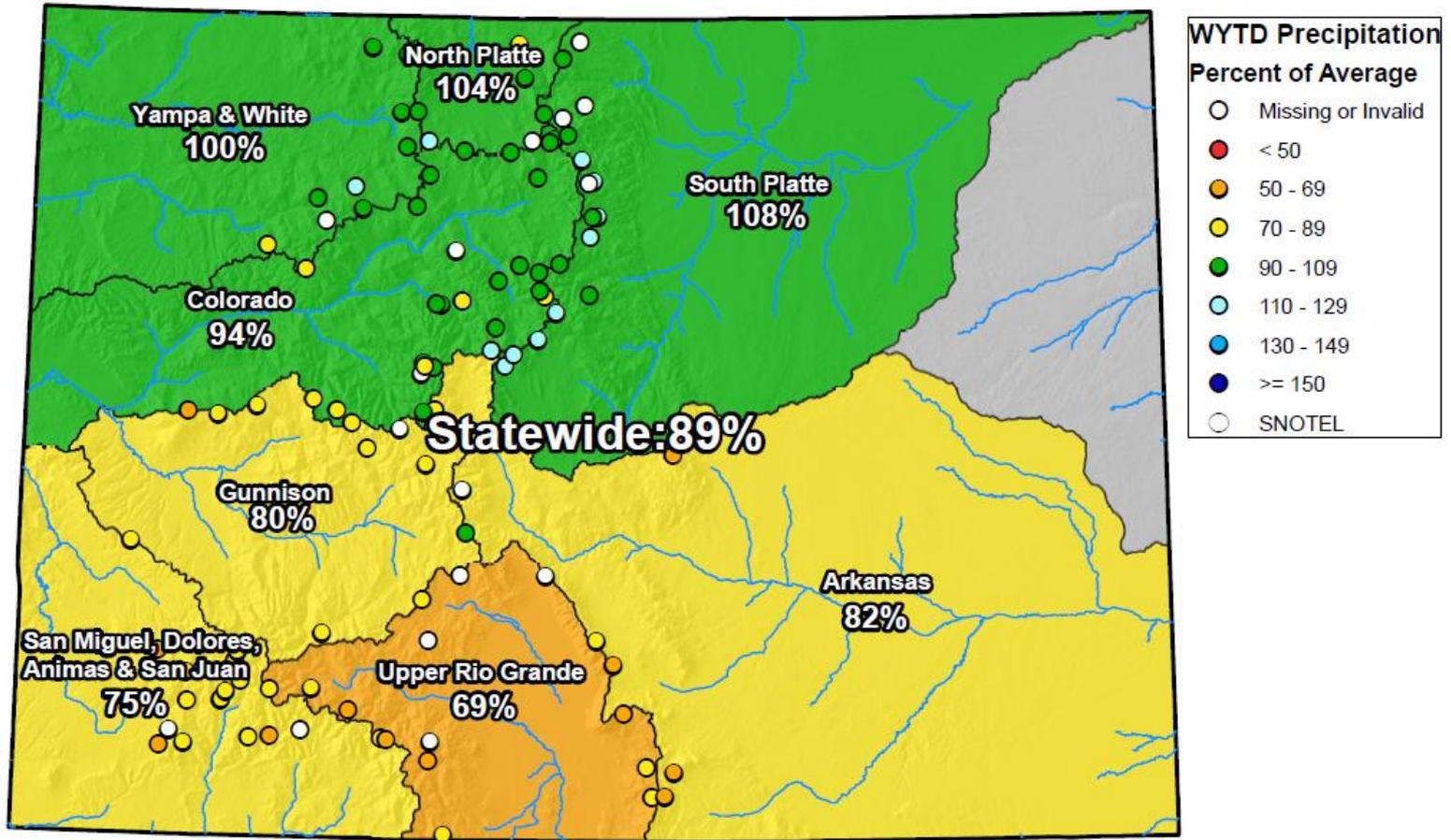
Colorado Statewide High/Low Year-to-Date Precipitation Summary

Based on Provisional SNOTEL data as of Apr 17, 2020

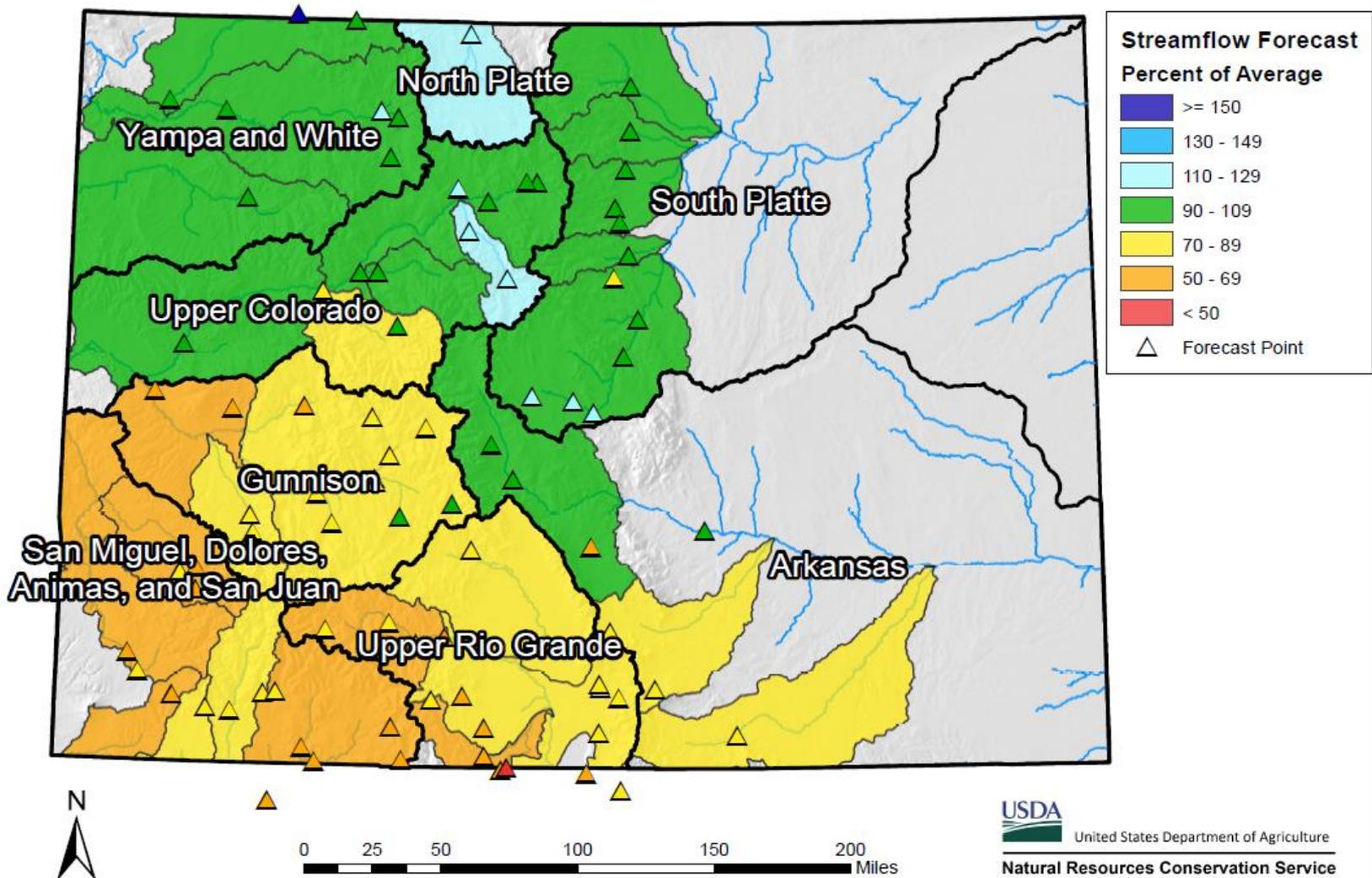


Colorado SNOTEL Water Year to Date Precipitation

Current as of Apr 20, 2020

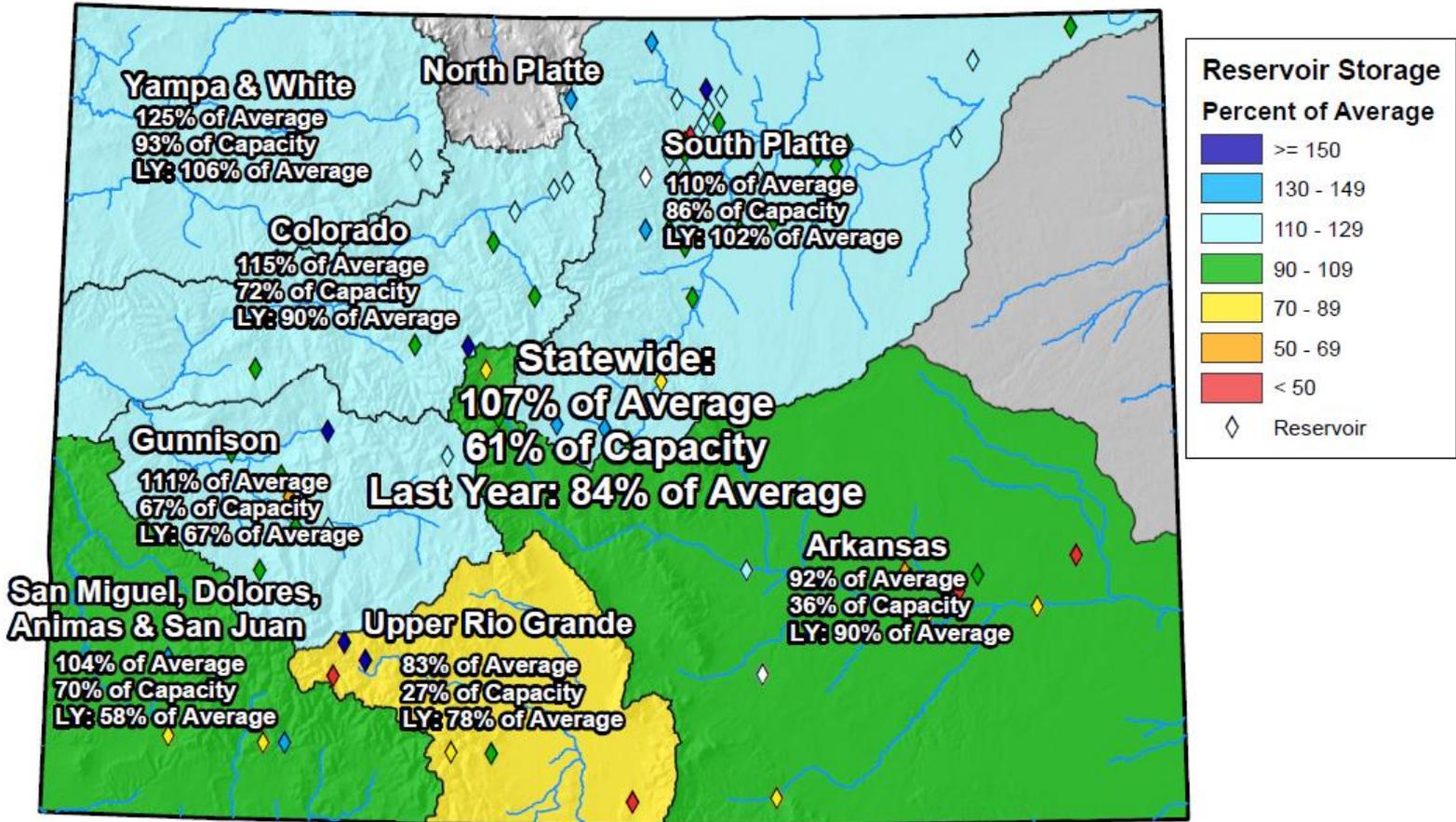


Colorado Streamflow Forecasts Summary April 1, 2020



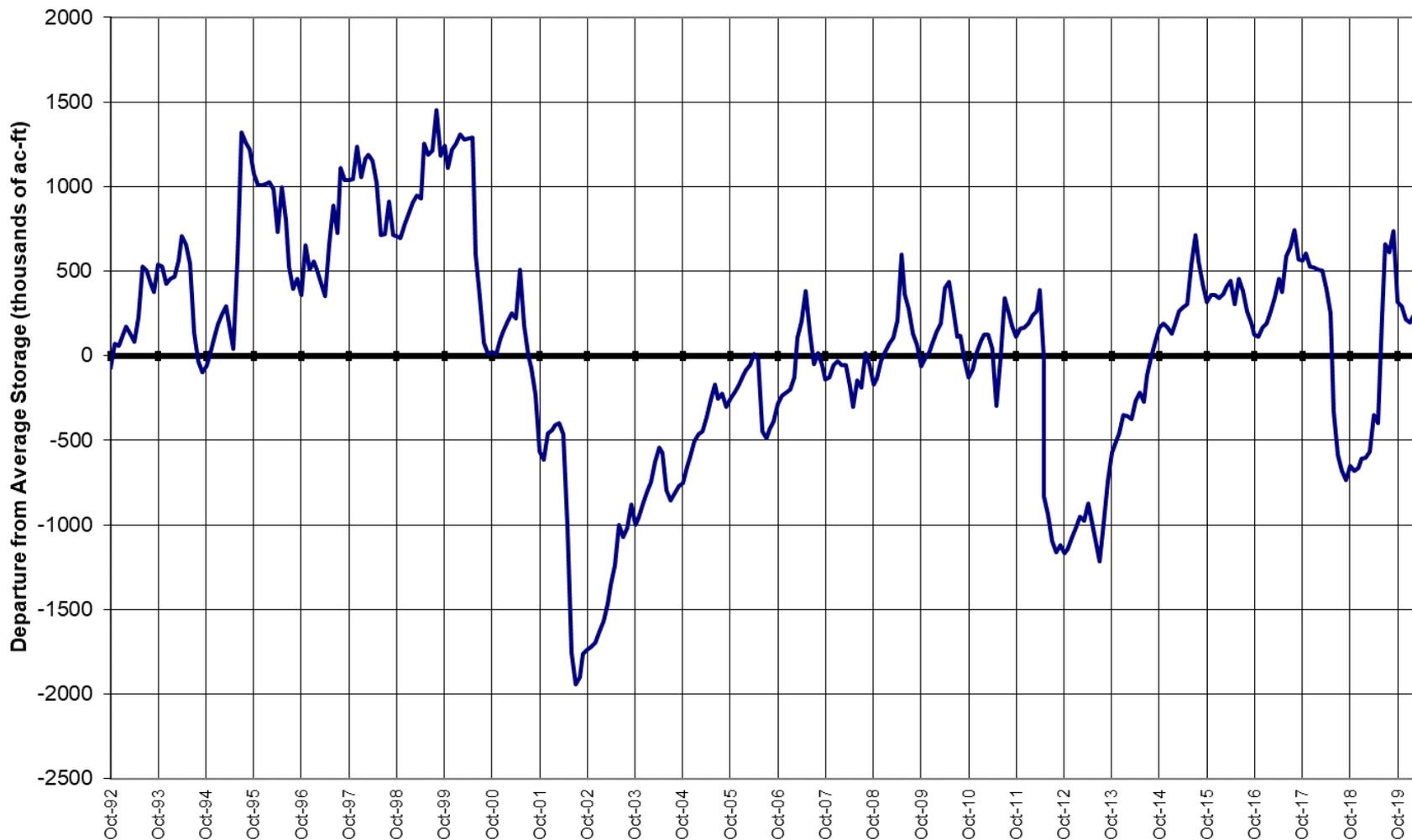
Colorado Monthly Reservoir Storage Summary

End of March 2020





COLORADO STATEWIDE Reservoir Storage Departure from Average



Summary

- April-to-date precipitation varied widely with Southern Colorado being extremely dry and Northern Colorado closer to normal
- Statewide snowpack peaked at 104 percent of normal
- Snowmelt began earlier than normal across the state
 - Much of the northern half of Colorado got a recent boost to SWE but melt has been quickly progressing in the southern basins
- Reservoir storage remains above average in all major basins except for the Rio Grande and Arkansas
- Ranging from 83-125 percent of average storage and is 106 percent of average statewide
- April 1st streamflow forecasts were generally near normal in Northern Colorado and notably below normal in Southern Colorado
 - With April precipitation patterns it can be anticipated this difference will widen for May 1st forecasts



Water Availability Task Force Meeting

April 21st, 2020

NRCS Snow Survey and Water Supply Forecasting Program

Karl Wetlaufer

Hydrologist

Asst. Snow Survey Supervisor

720-544-2853

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



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