



Water Availability Task Force Meeting

January 23rd, 2020

NRCS Snow Survey and Water Supply Forecasting Program

Karl Wetlaufer

Hydrologist

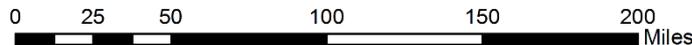
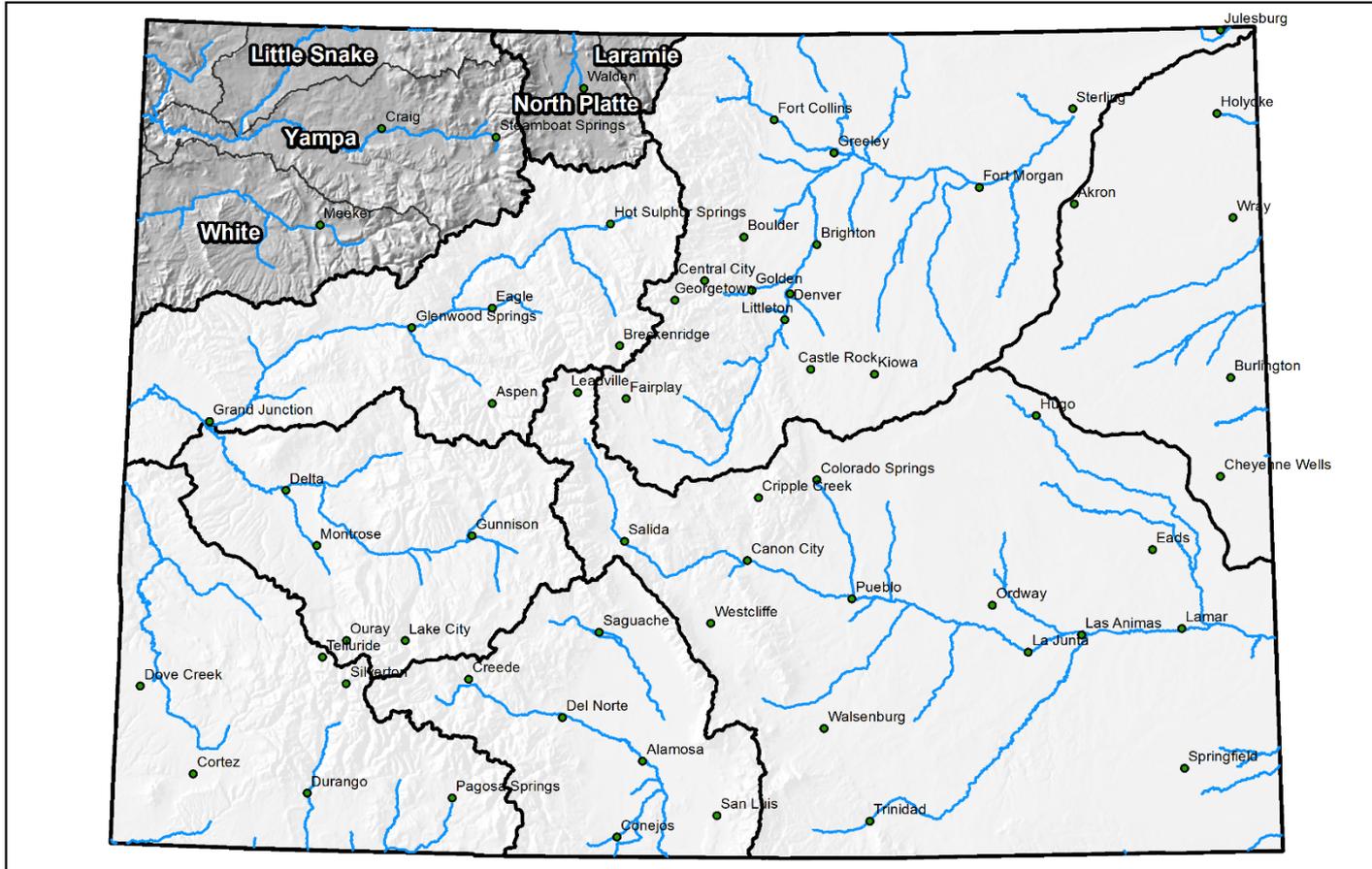
Asst. Snow Survey Supervisor

720-544-2853

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

Major Basin Summary

Yampa, White, and North Platte River Basins

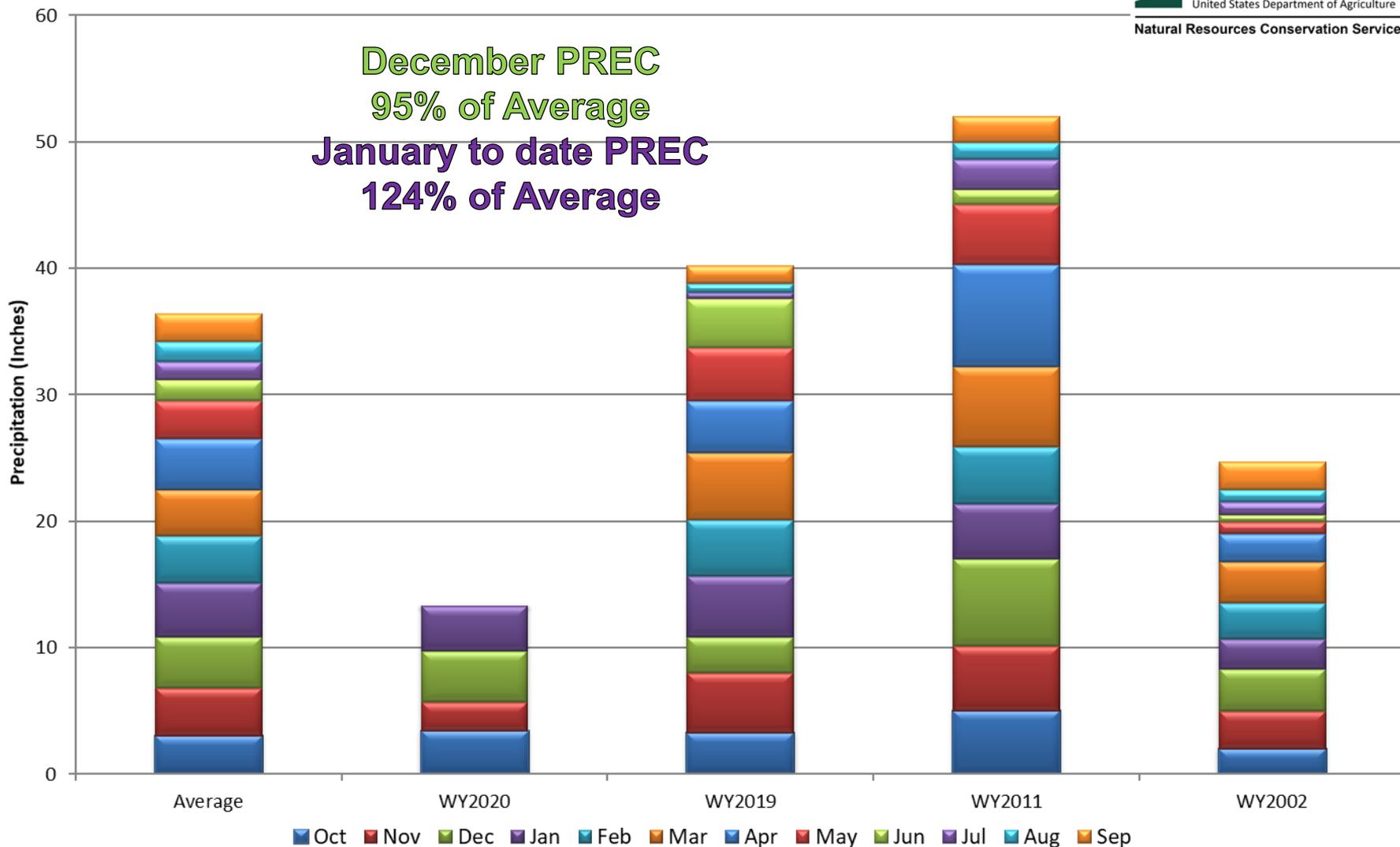


Yampa and White River Basins High/Low Monthly Precipitation Summary

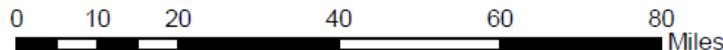
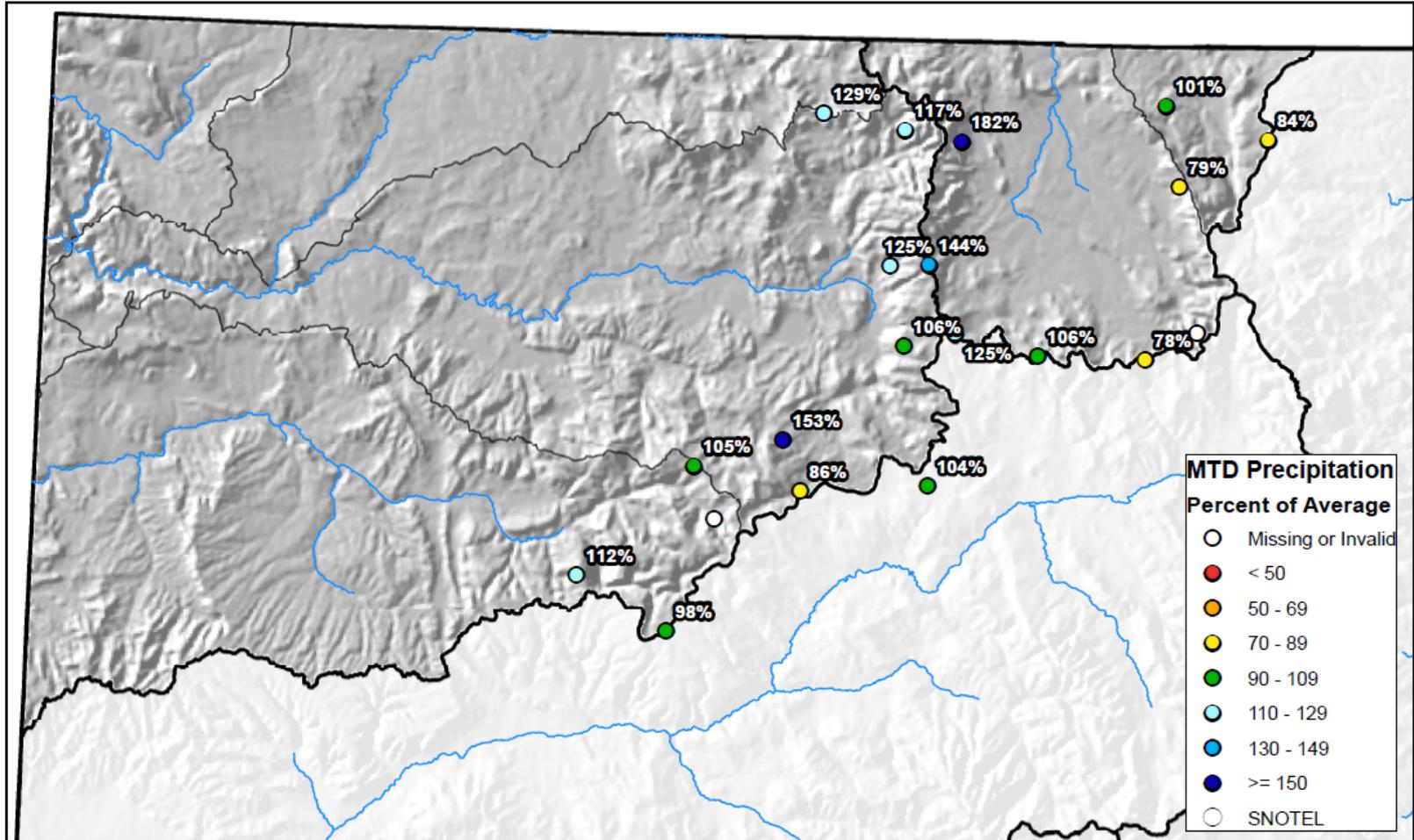
Based on Provisional SNOTEL data as of Jan 22, 2020

December PREC
95% of Average

January to date PREC
124% of Average



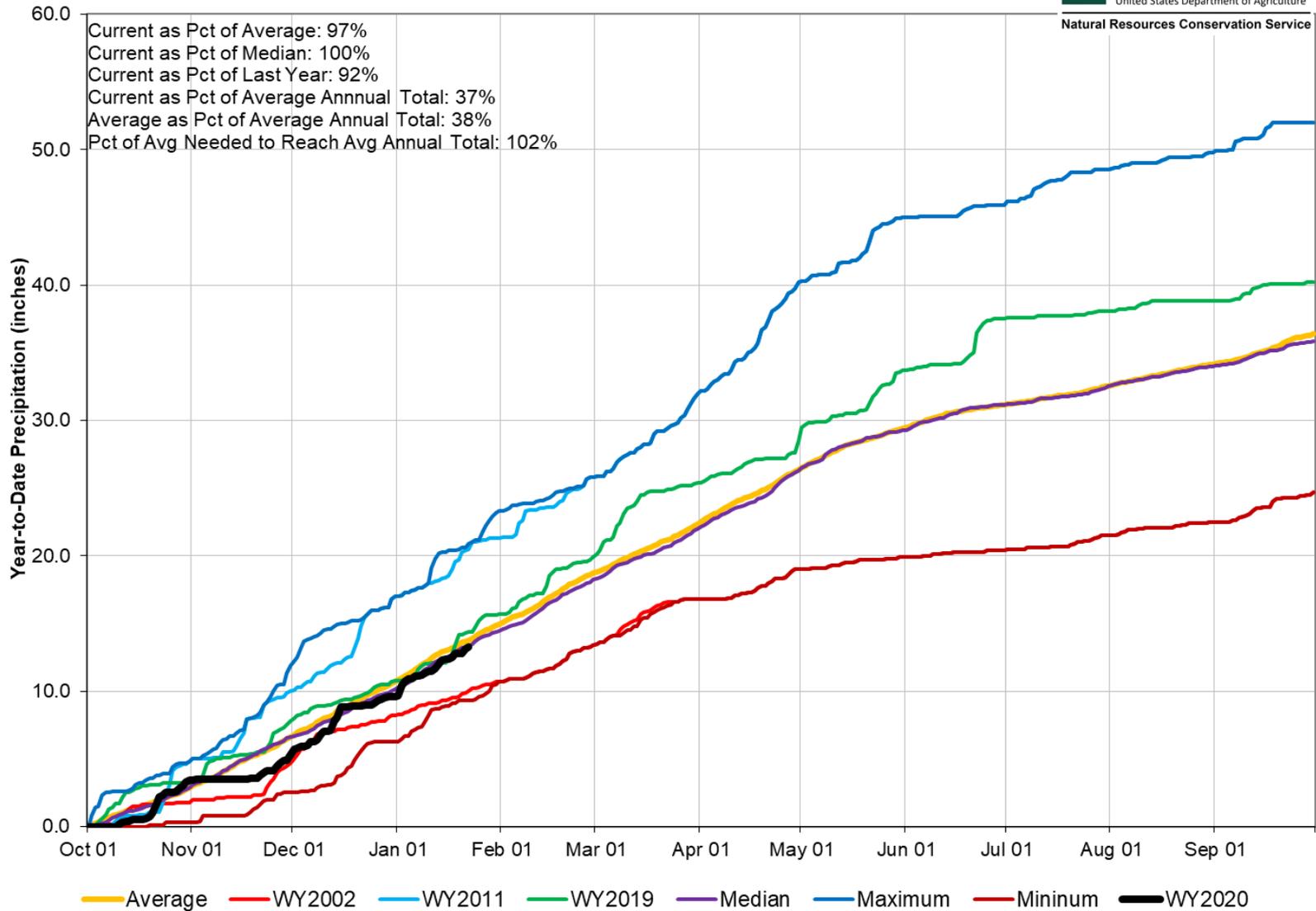
Yampa, White, and North Platte River Basins Month to Date Precipitation Summary Current as of Jan 22, 2020



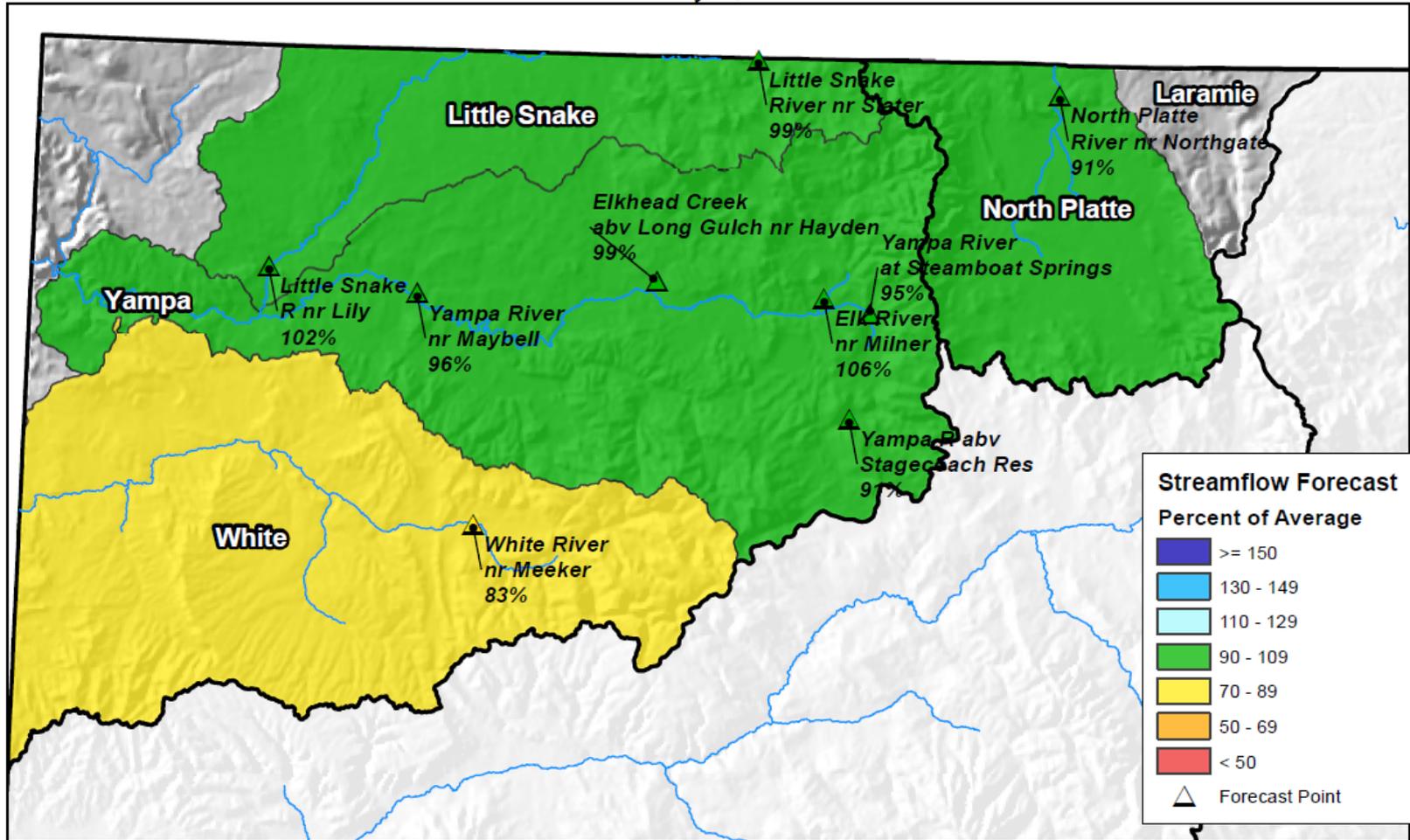
Yampa and White River Basins High/Low Year-to-Date Precipitation Summary

Based on Provisional SNOTEL data as of Jan 22, 2020

USDA
United States Department of Agriculture
Natural Resources Conservation Service



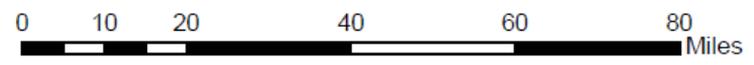
Yampa, White, and North Platte River Basins Streamflow Forecast Summary January 1, 2020

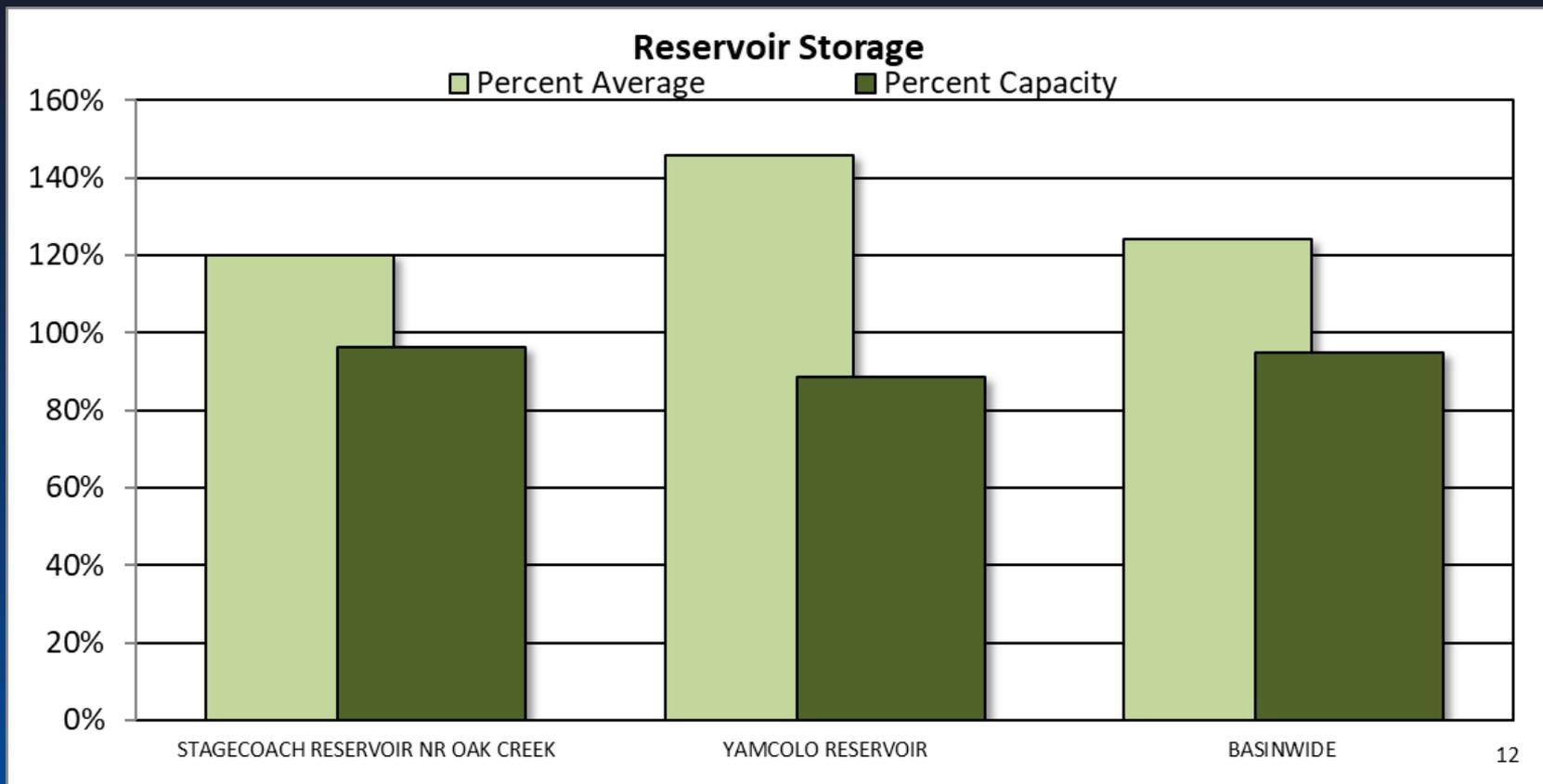


Streamflow Forecast
Percent of Average

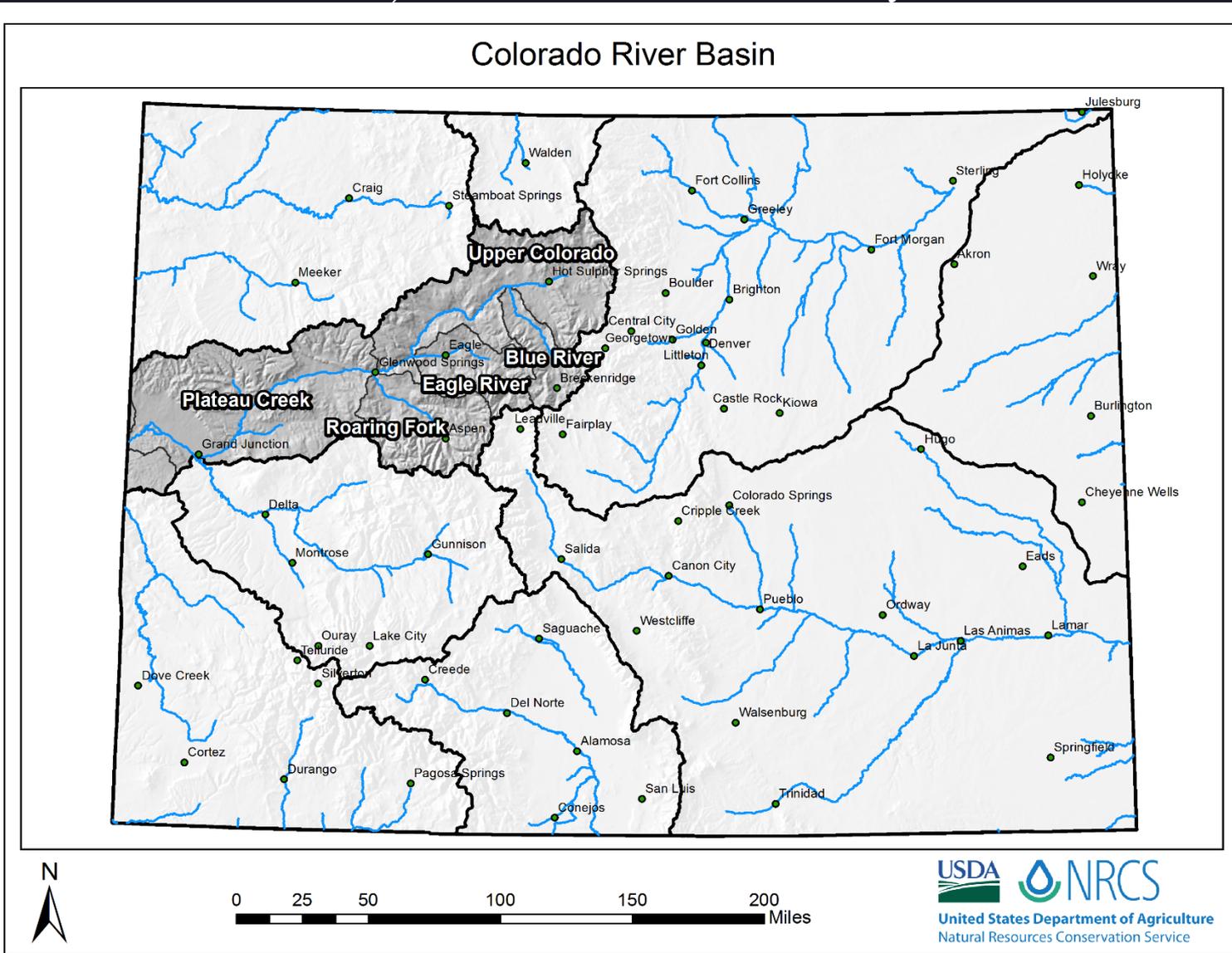
- >= 150
- 130 - 149
- 110 - 129
- 90 - 109
- 70 - 89
- 50 - 69
- < 50

Forecast Point

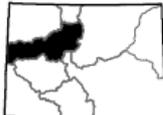
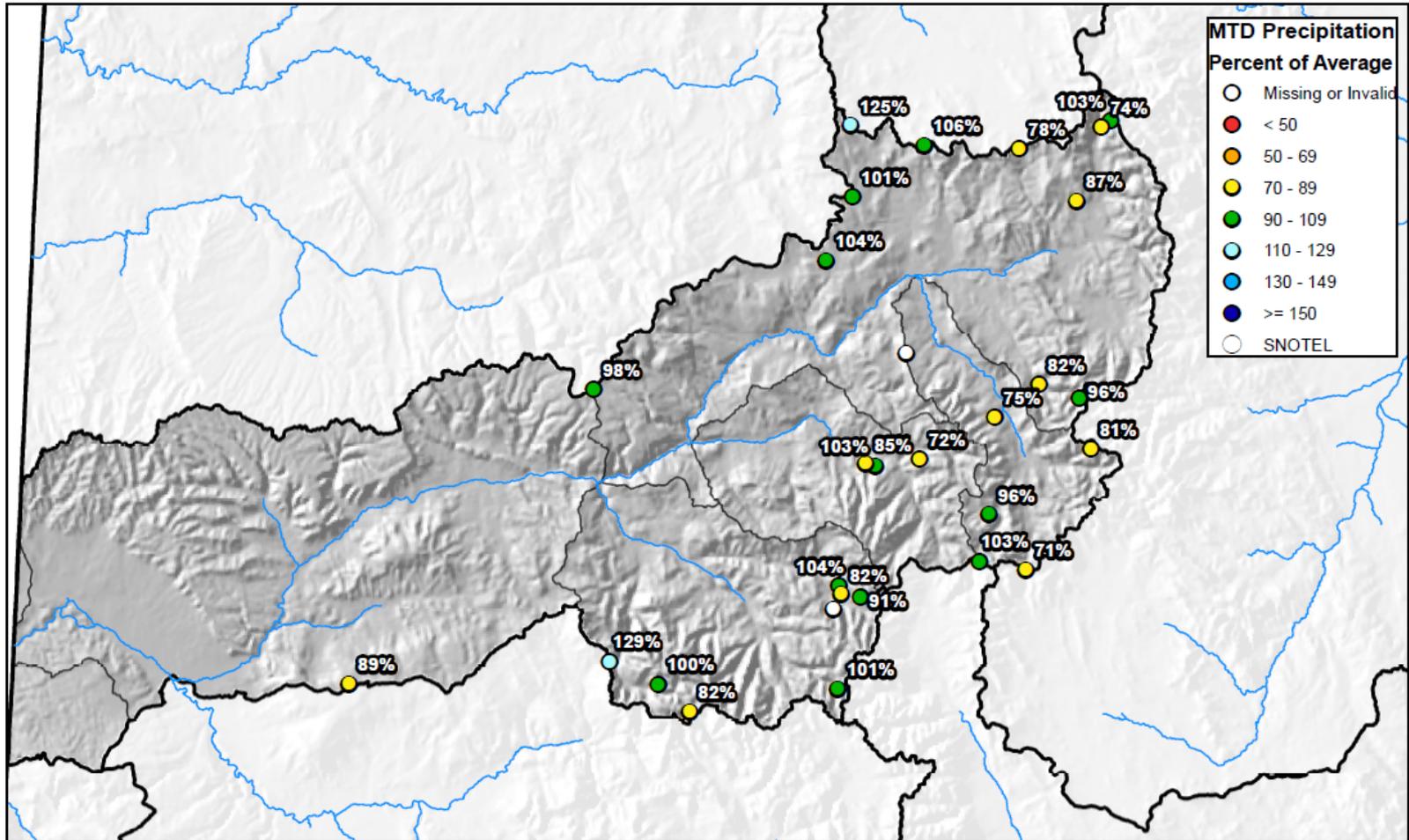




Major Basin Summary



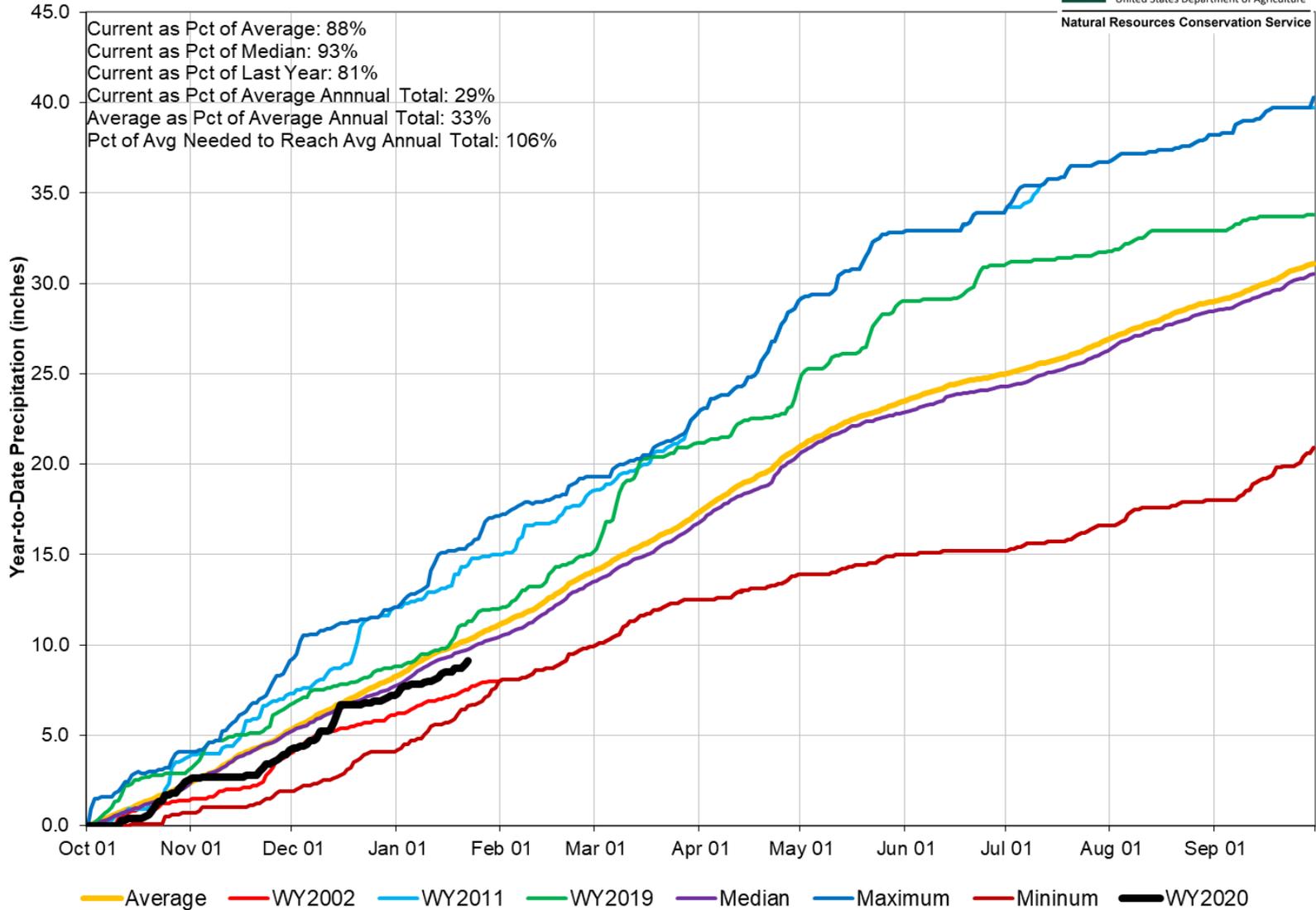
Upper Colorado River Basin Month to Date Precipitation Summary Current as of Jan 22, 2020



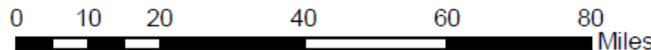
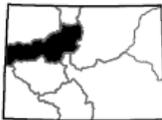
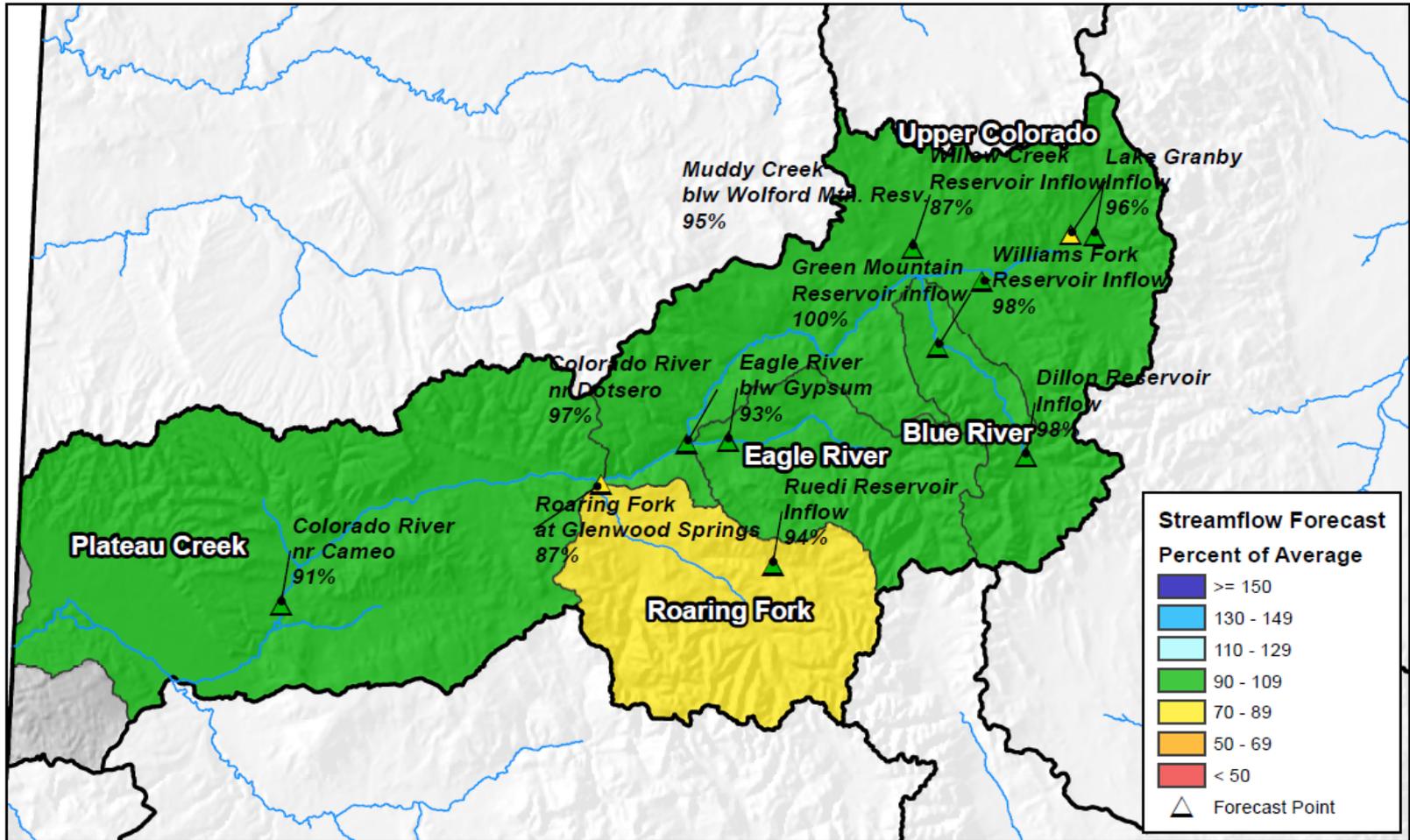
Upper Colorado River Basin High/Low Year-to-Date Precipitation Summary

Based on Provisional SNOTEL data as of Jan 22, 2020

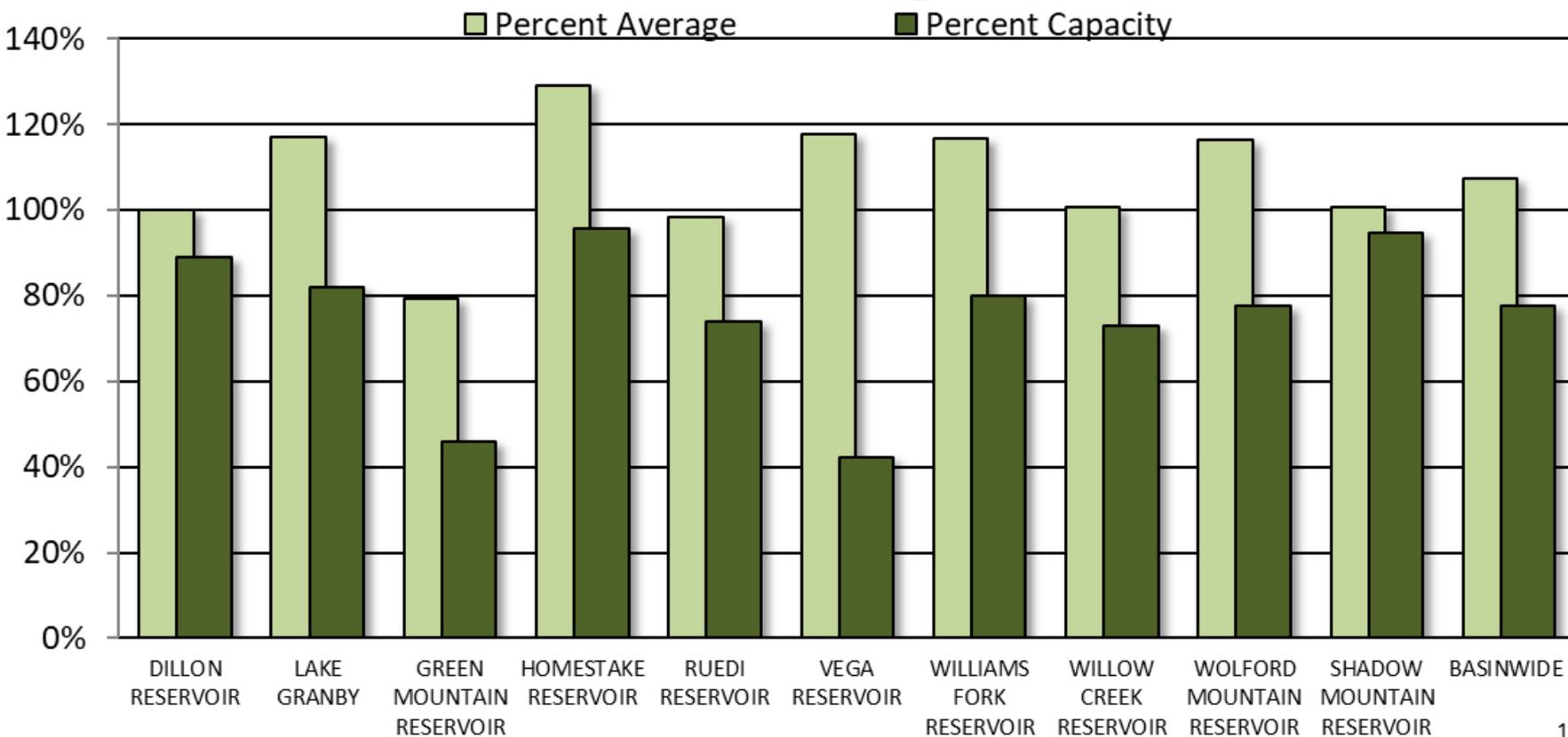
USDA
United States Department of Agriculture
Natural Resources Conservation Service



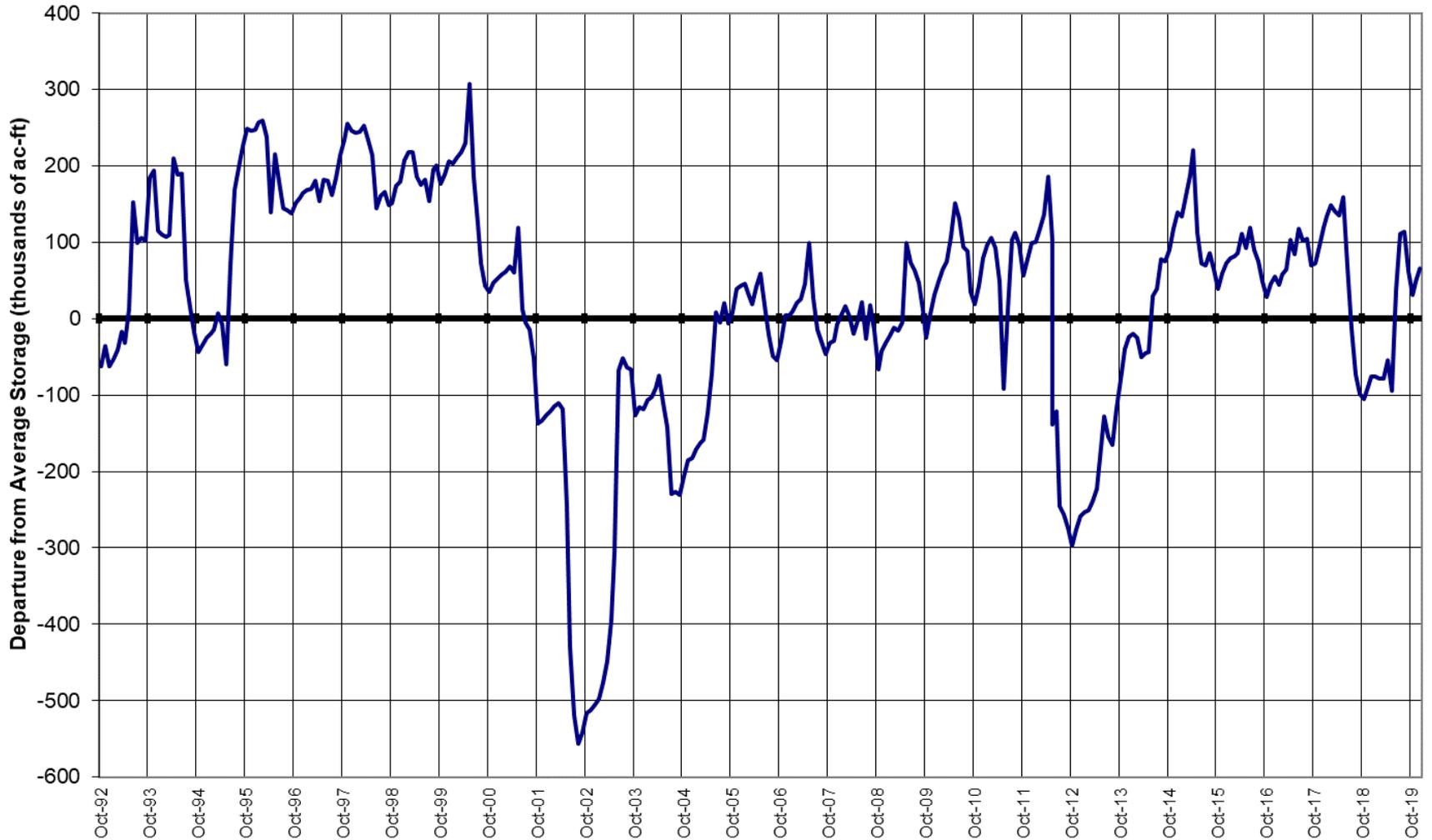
Upper Colorado River Basin Streamflow Forecast Summary January 1, 2020



Reservoir Storage

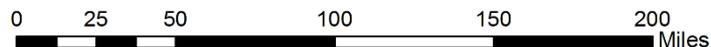
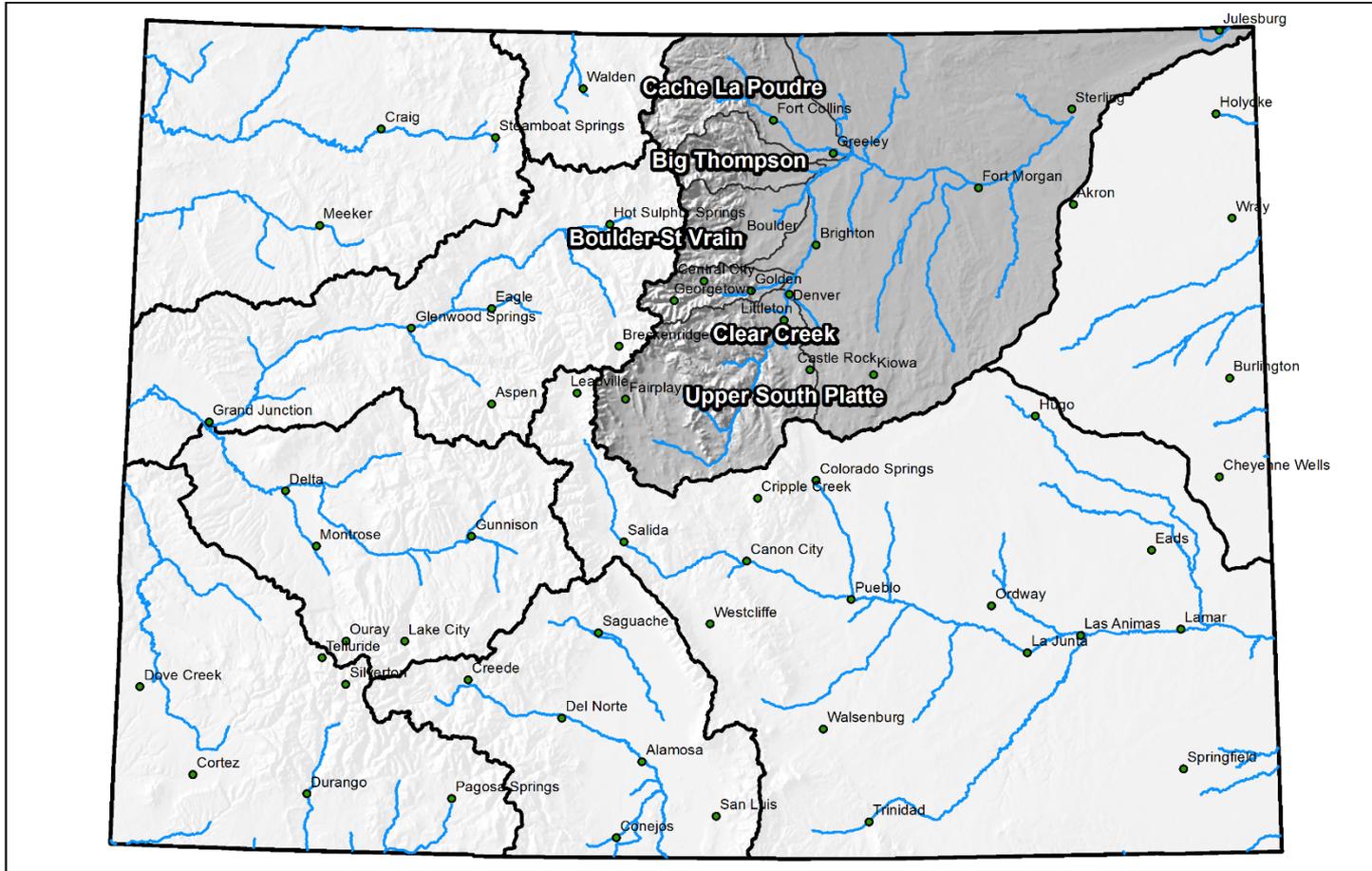


COLORADO RIVER BASIN
Reservoir Storage
Departure from Average



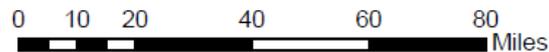
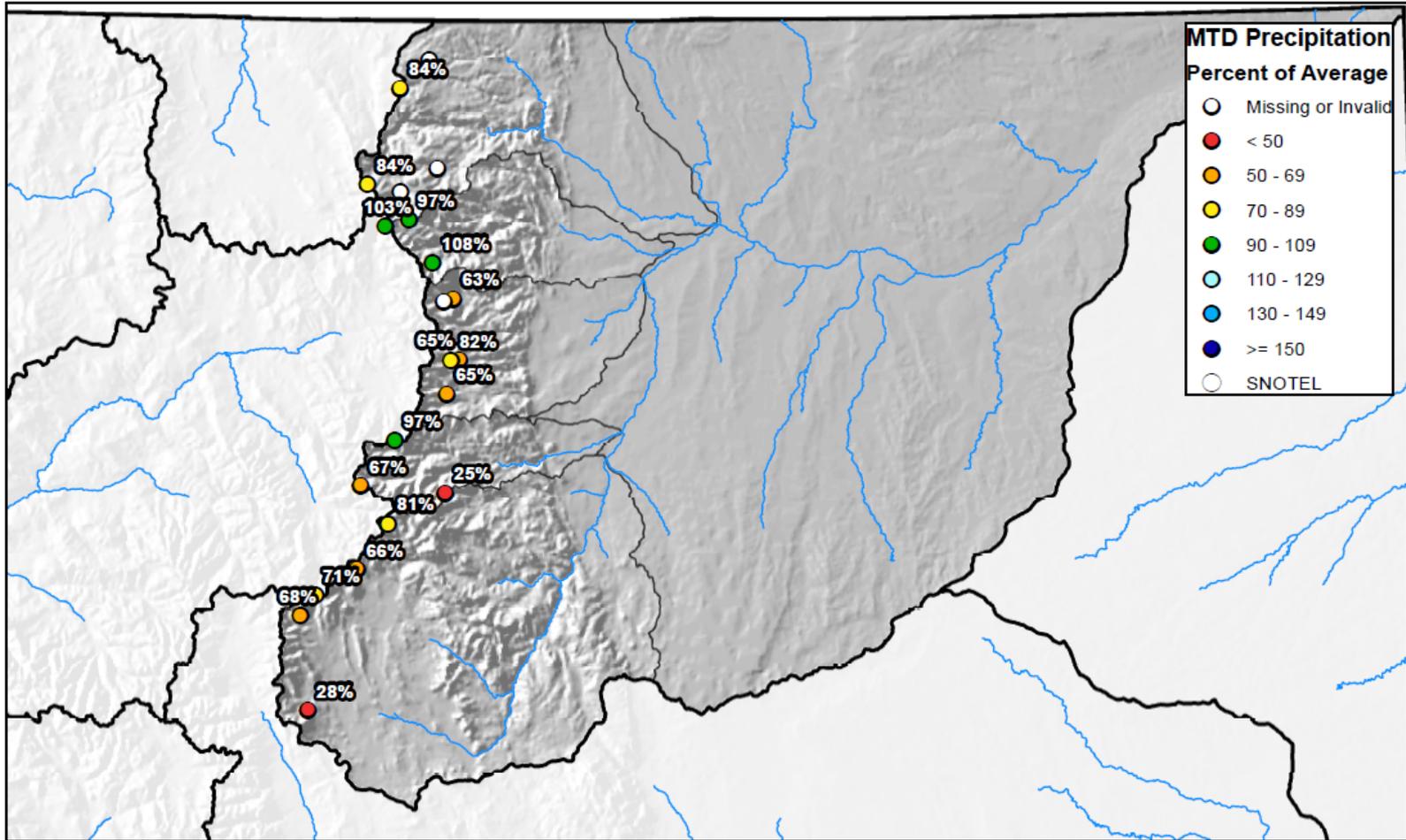
Major Basin Summary

South Platte River Basin



South Platte River Basin Month to Date Precipitation Summary

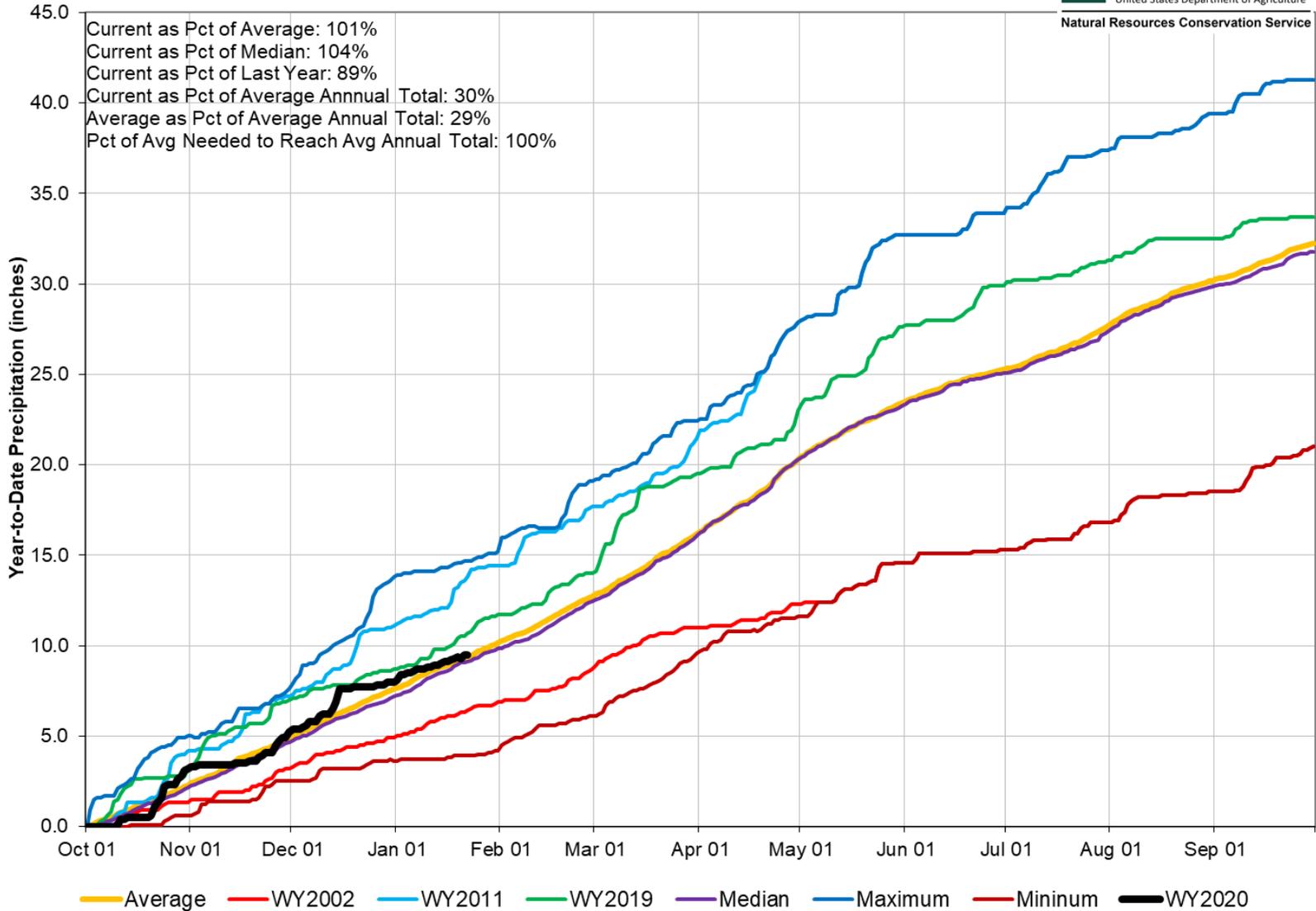
Current as of Jan 22, 2020



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

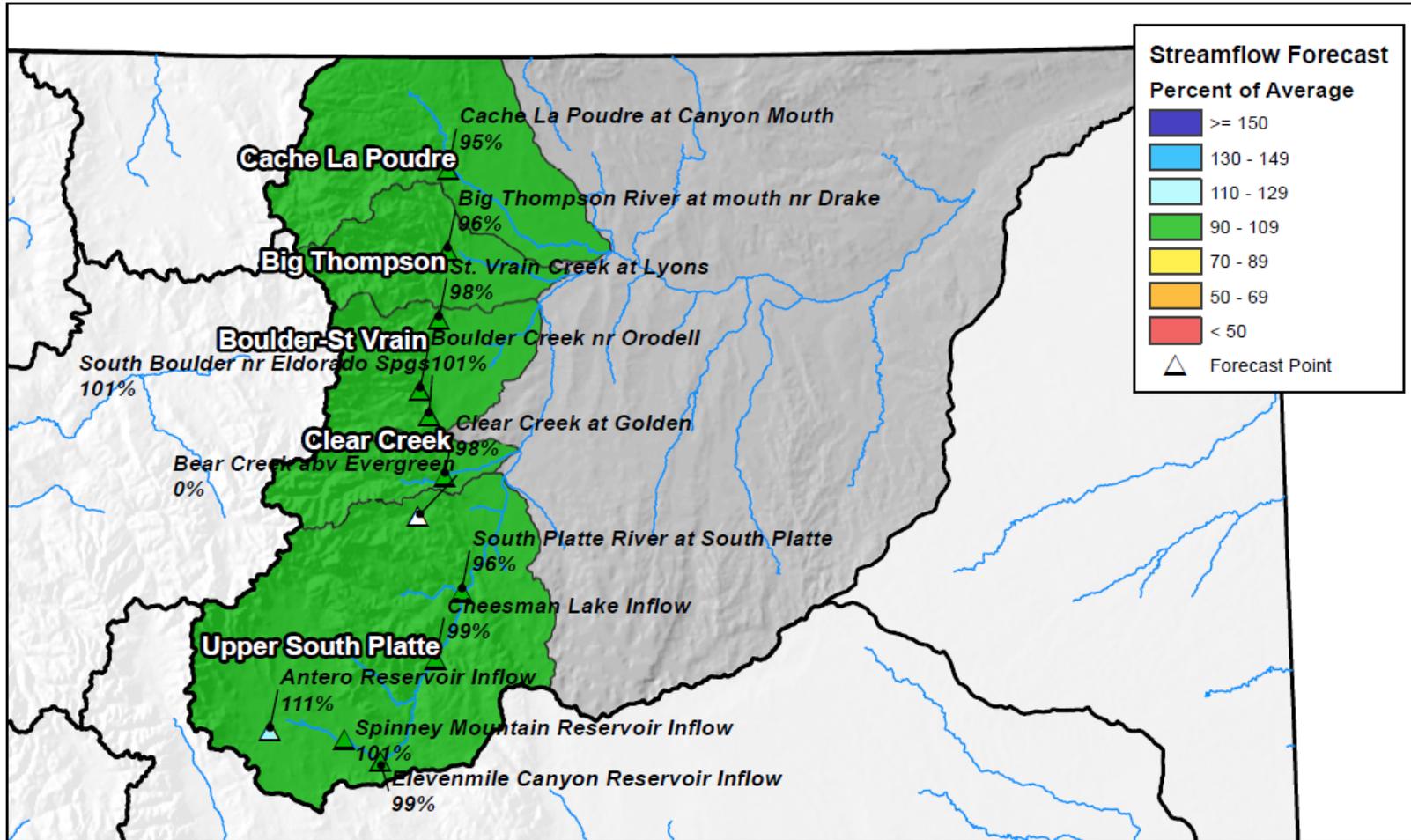
Based on Provisional SNOTEL data as of Jan 22, 2020

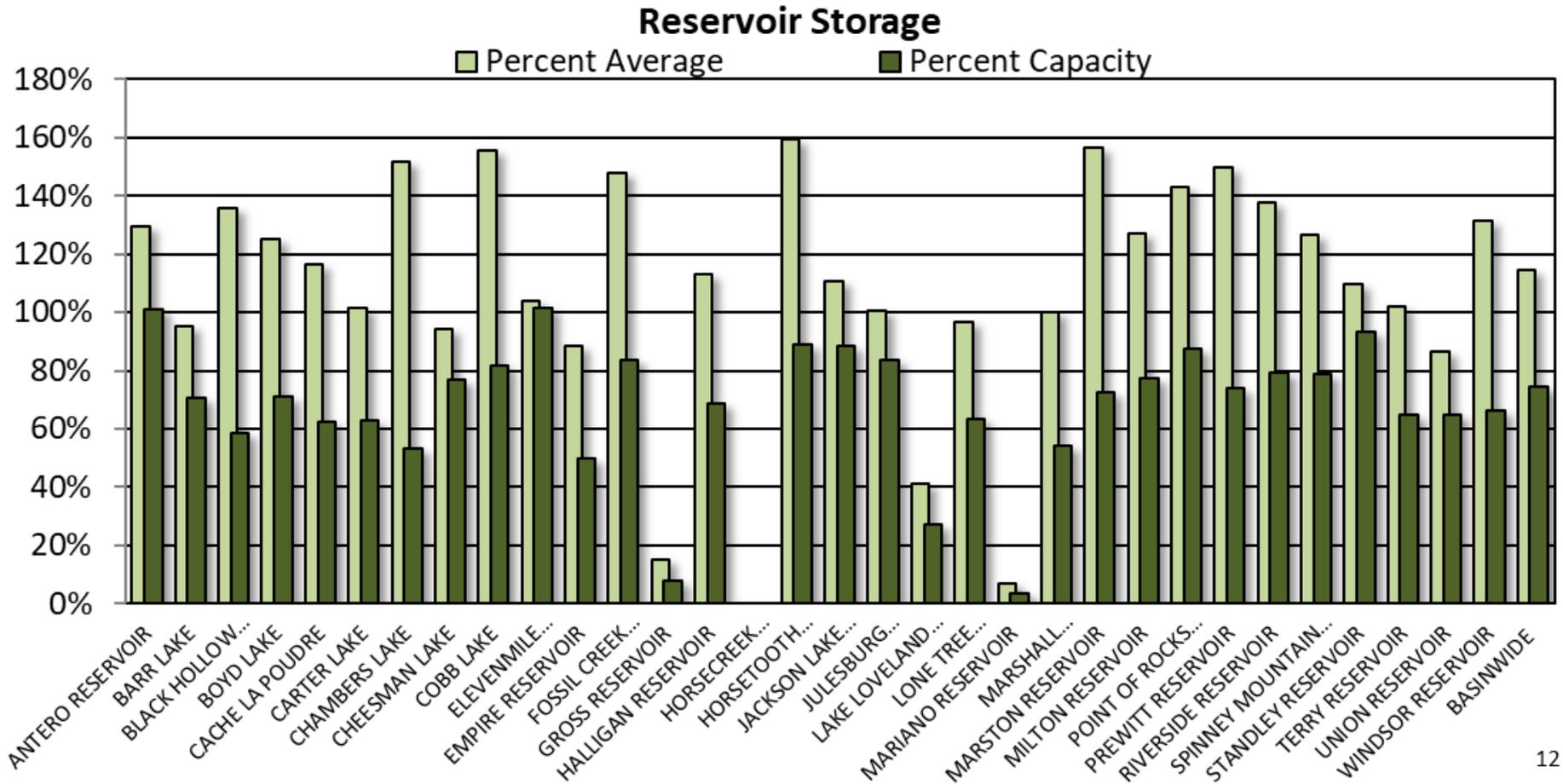
USDA
United States Department of Agriculture
Natural Resources Conservation Service



South Platte River Basin Streamflow Forecast Summary

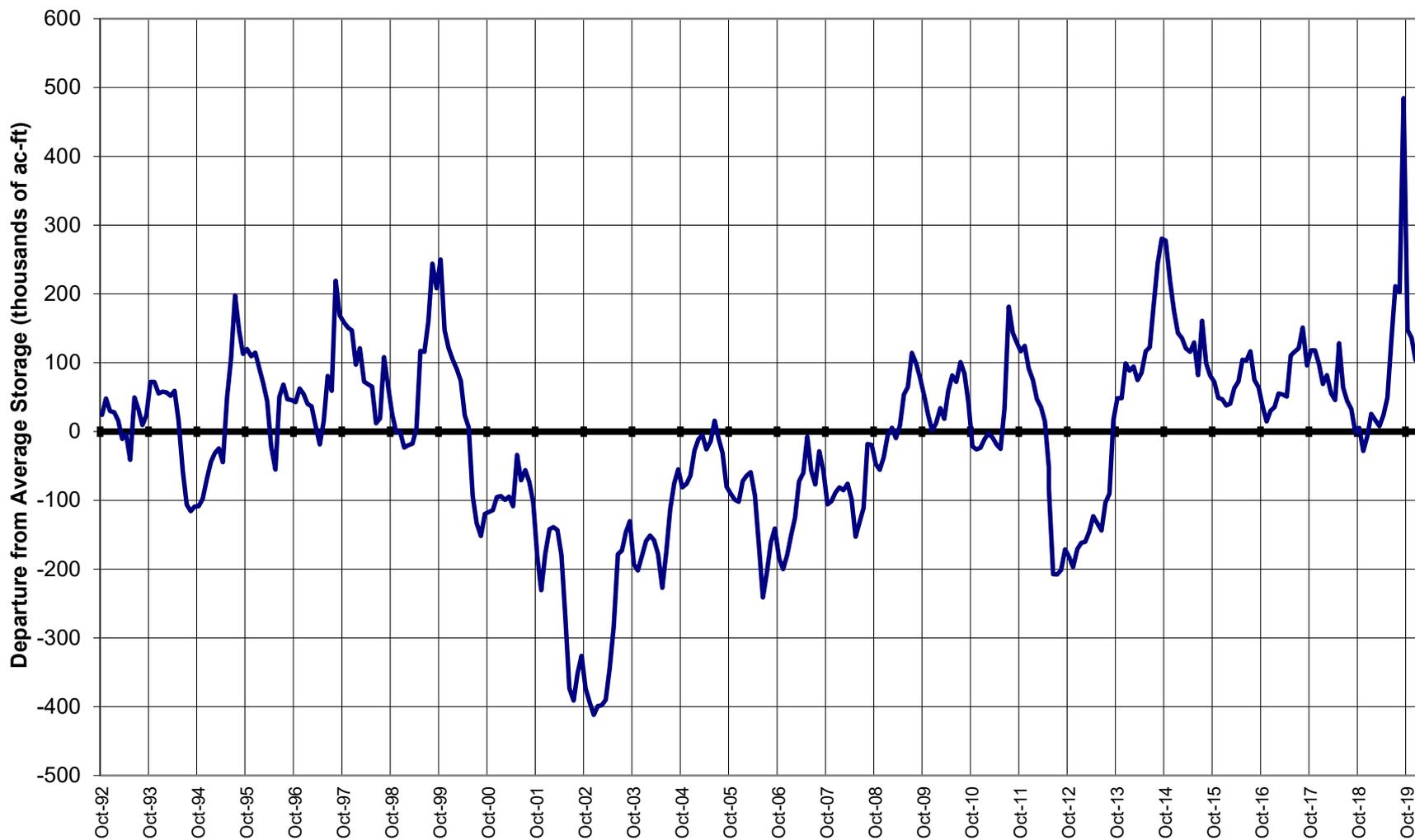
January 1, 2020





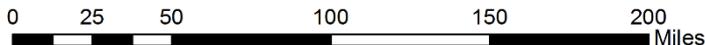
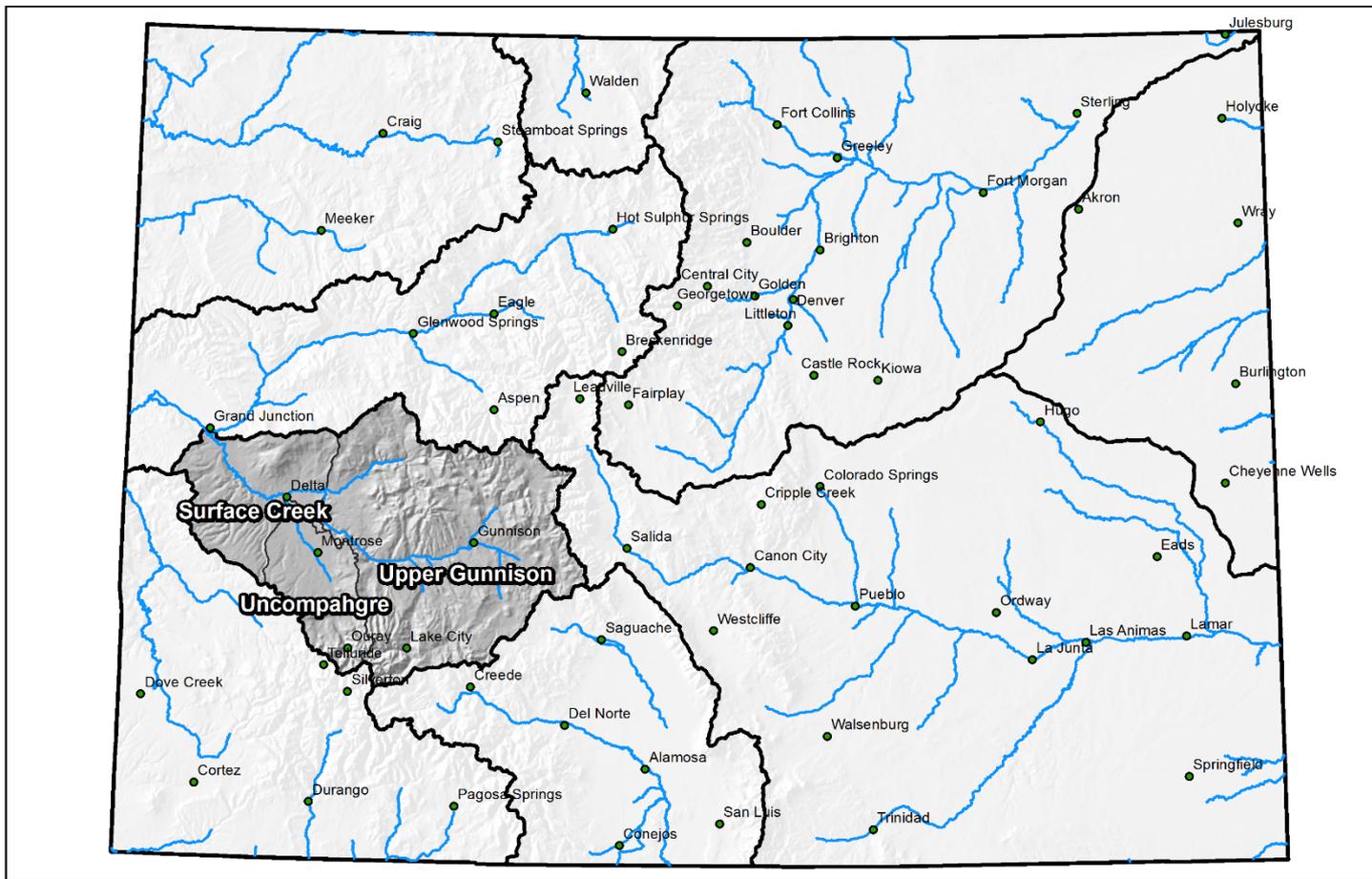


SOUTH PLATTE RIVER BASIN Reservoir Storage Departure from Average



Major Basin Summary

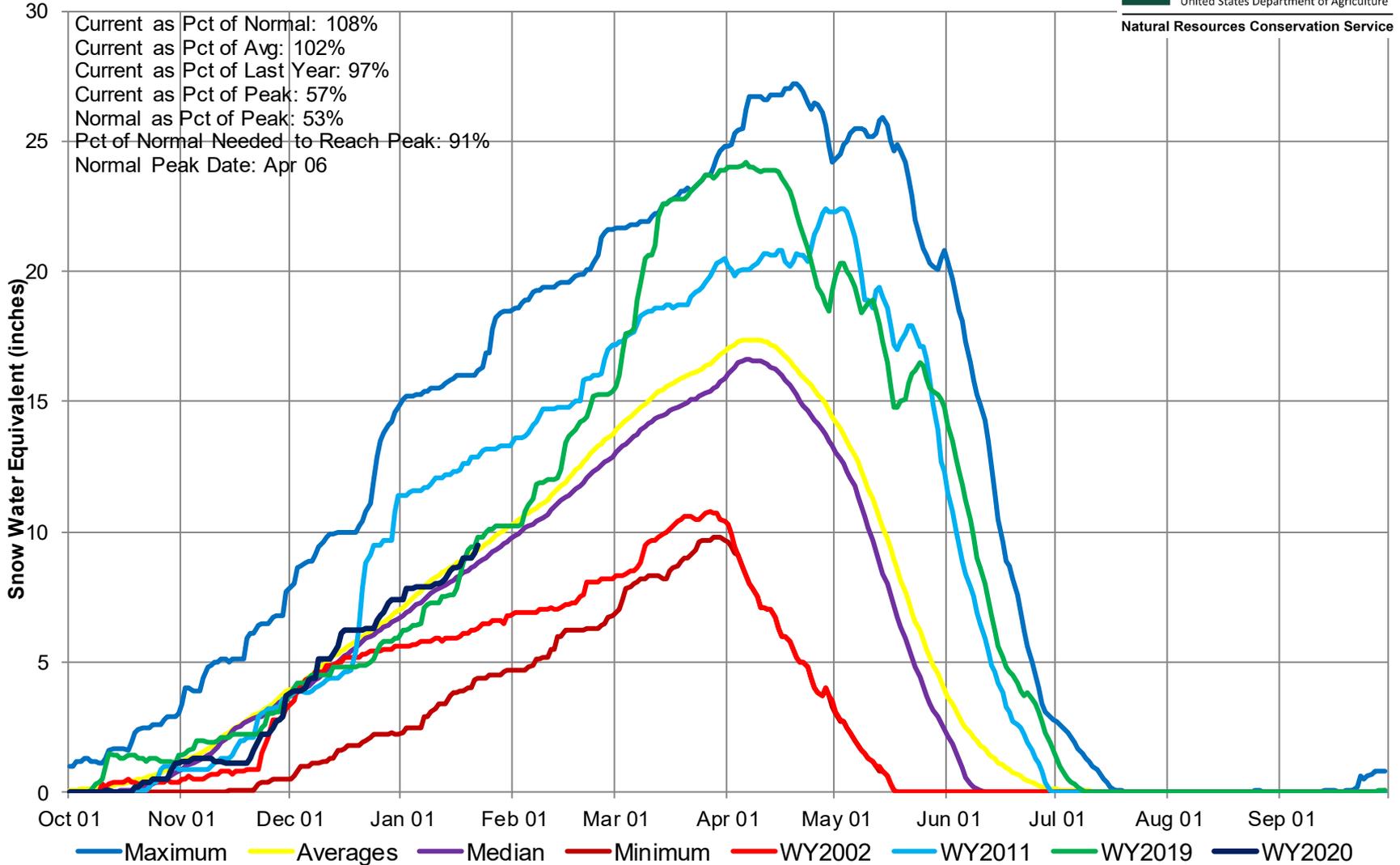
Gunnison River Basin





Gunnison River Basin High/Low Snowpack Summary

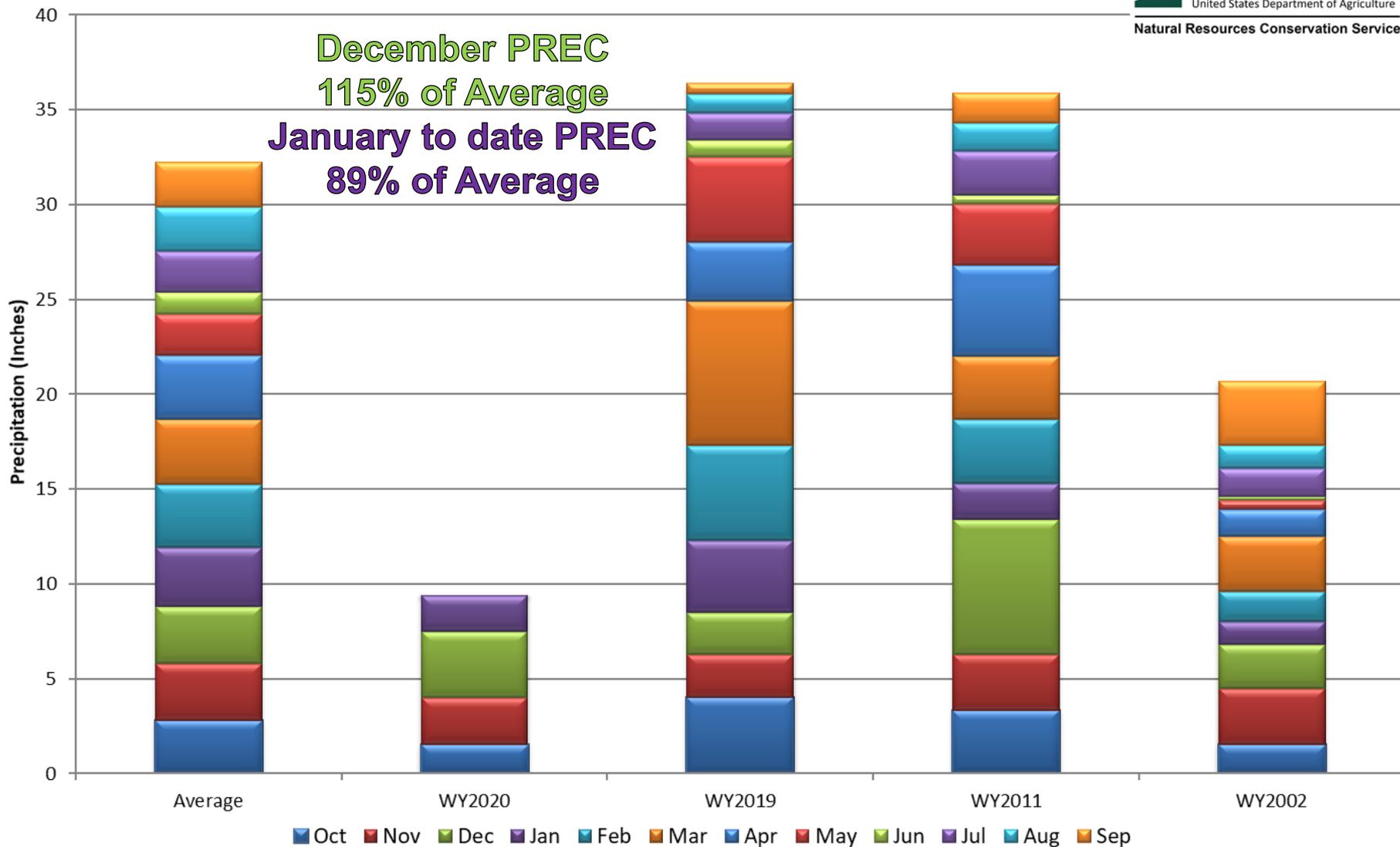
Based on Provisional SNOTEL data as of Jan 22, 2020



Gunnison River Basin High/Low Monthly Precipitation Summary

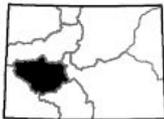
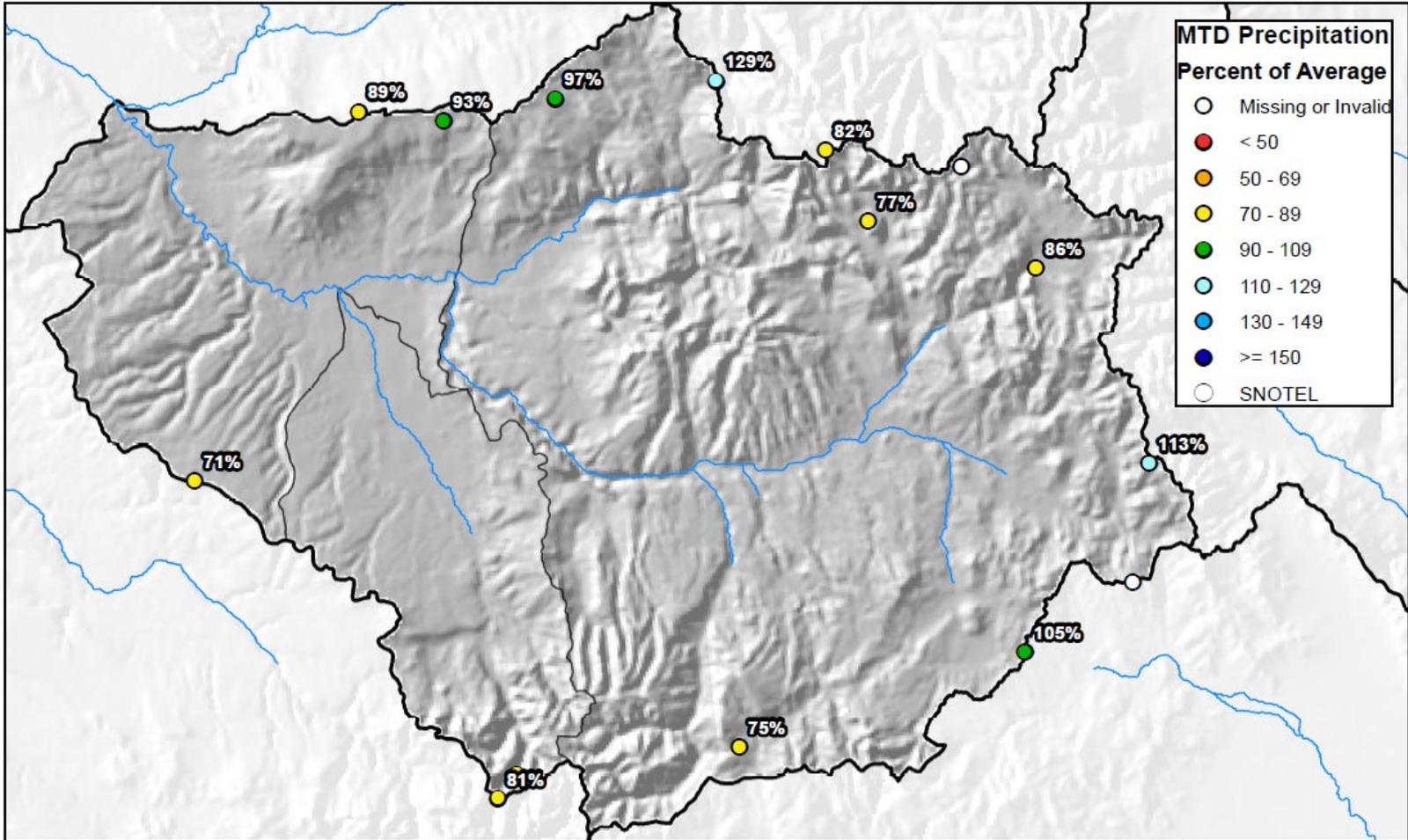
Based on Provisional SNOTEL data as of Jan 22, 2020

December PREC
115% of Average
January to date PREC
89% of Average



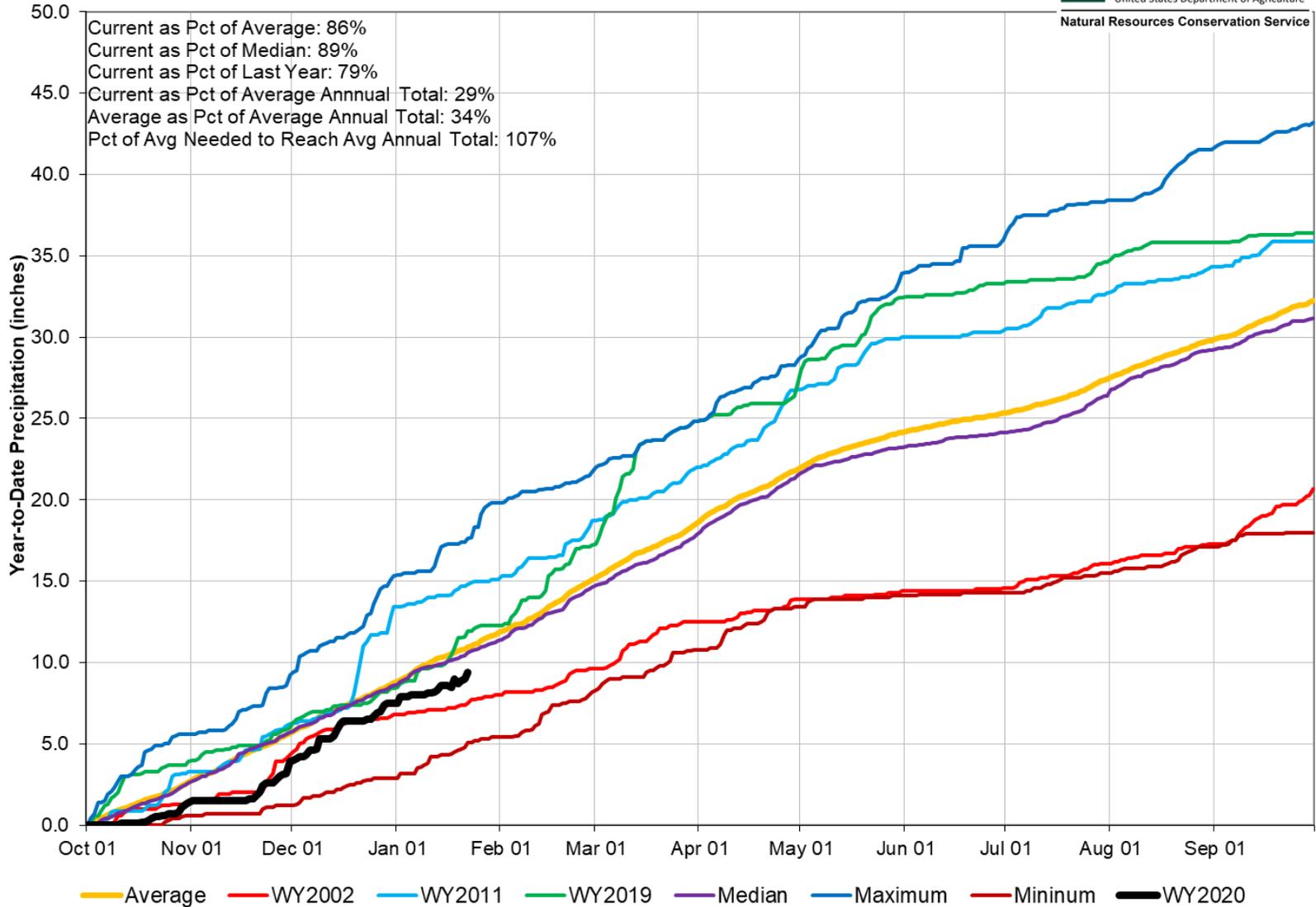
Gunnison River Basin Month to Date Precipitation Summary

Current as of Jan 22, 2020

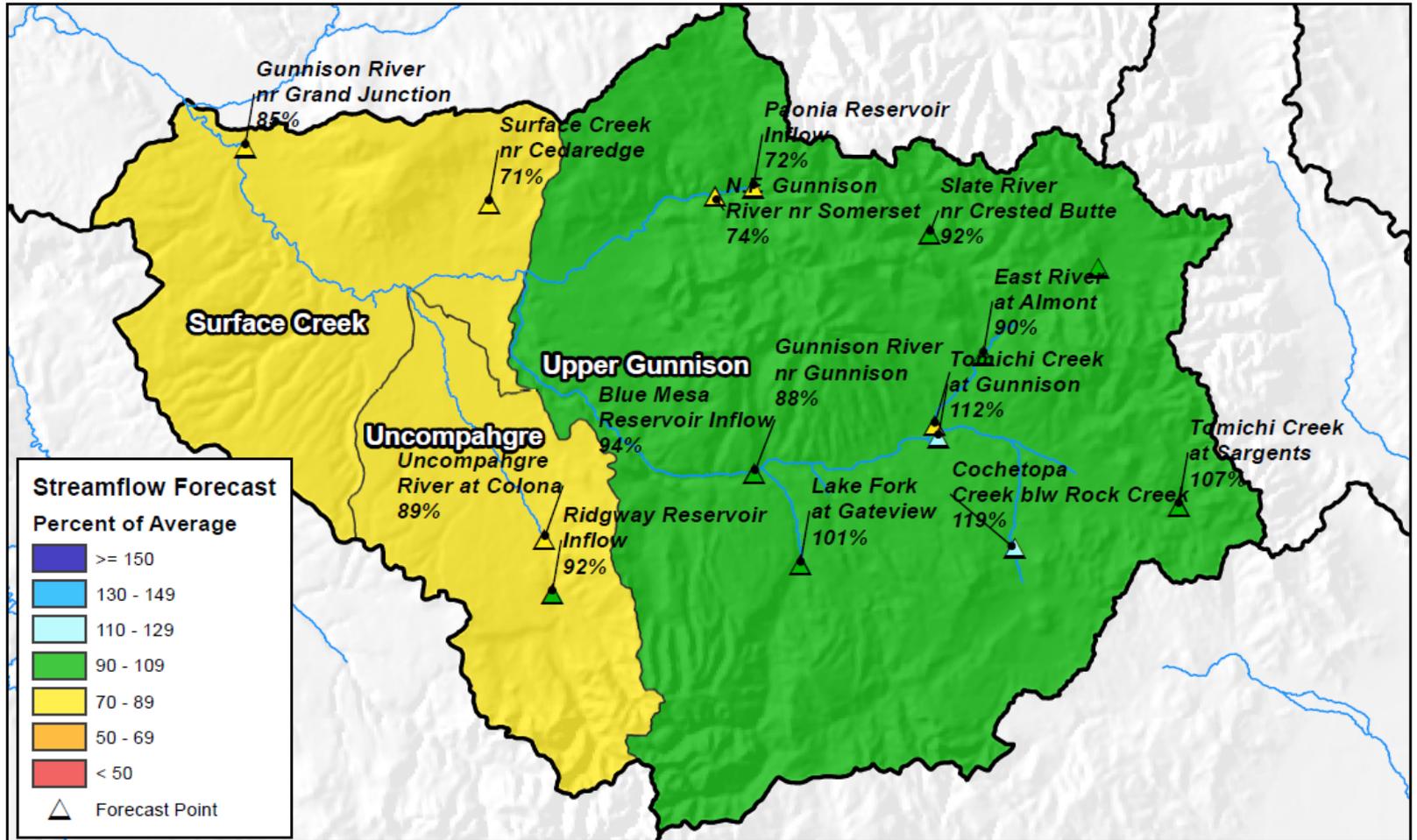


Gunnison River Basin High/Low Year-to-Date Precipitation Summary

Based on Provisional SNOTEL data as of Jan 22, 2020



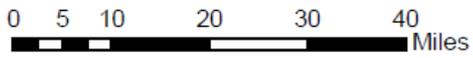
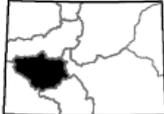
Gunnison River Basin Water Supply Forecast Summary January 1, 2020

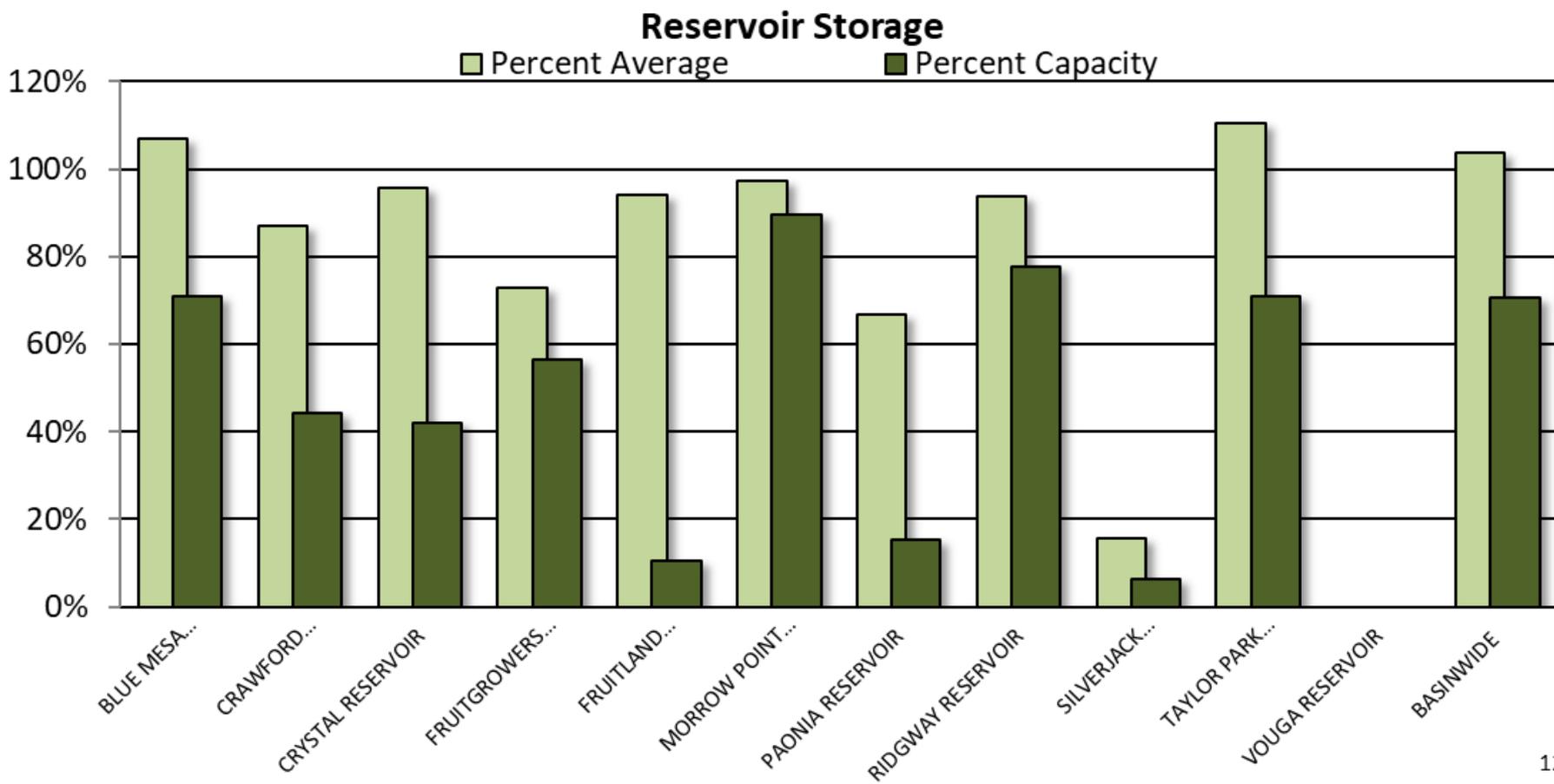


Streamflow Forecast
Percent of Average

- >= 150
- 130 - 149
- 110 - 129
- 90 - 109
- 70 - 89
- 50 - 69
- < 50

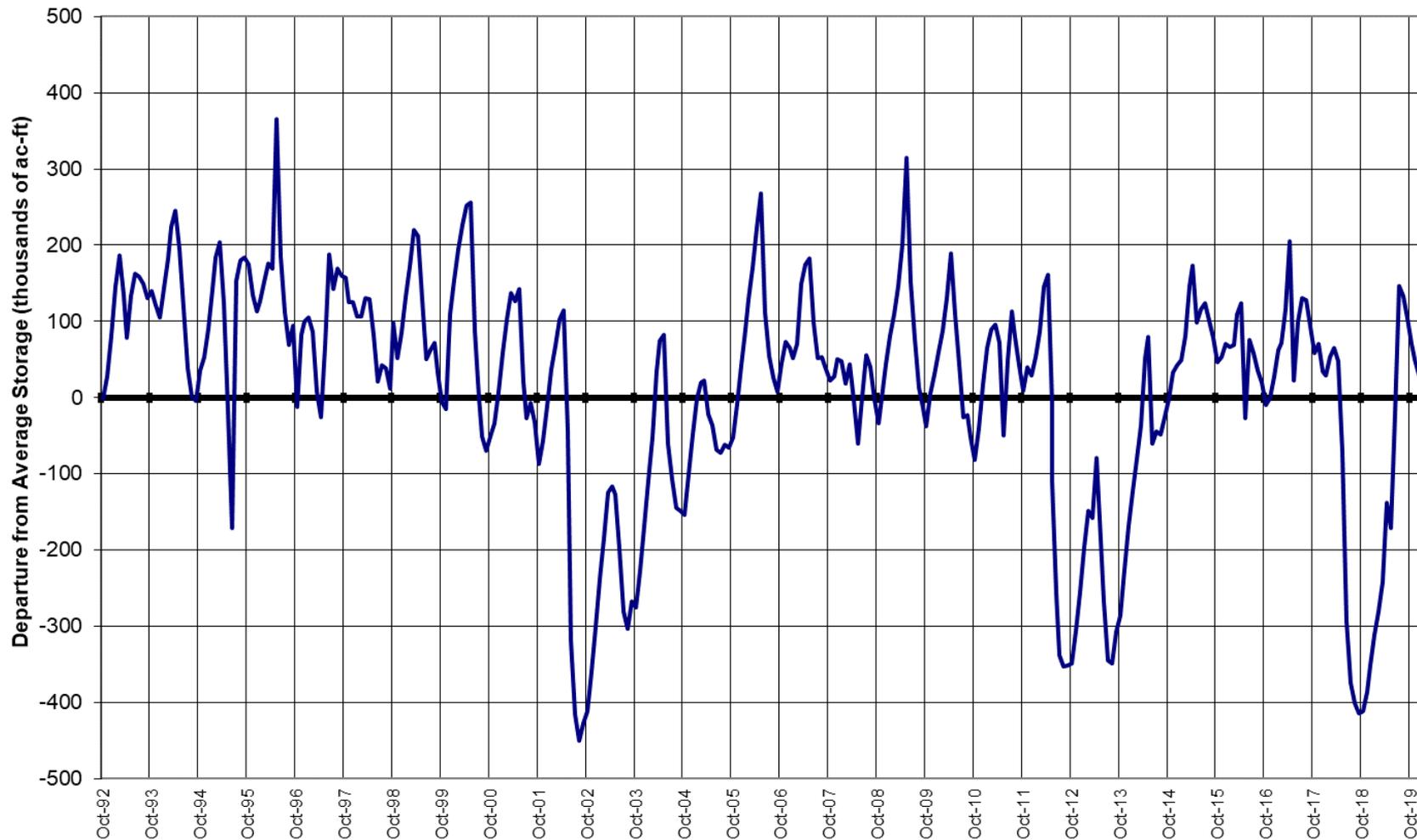
Forecast Point





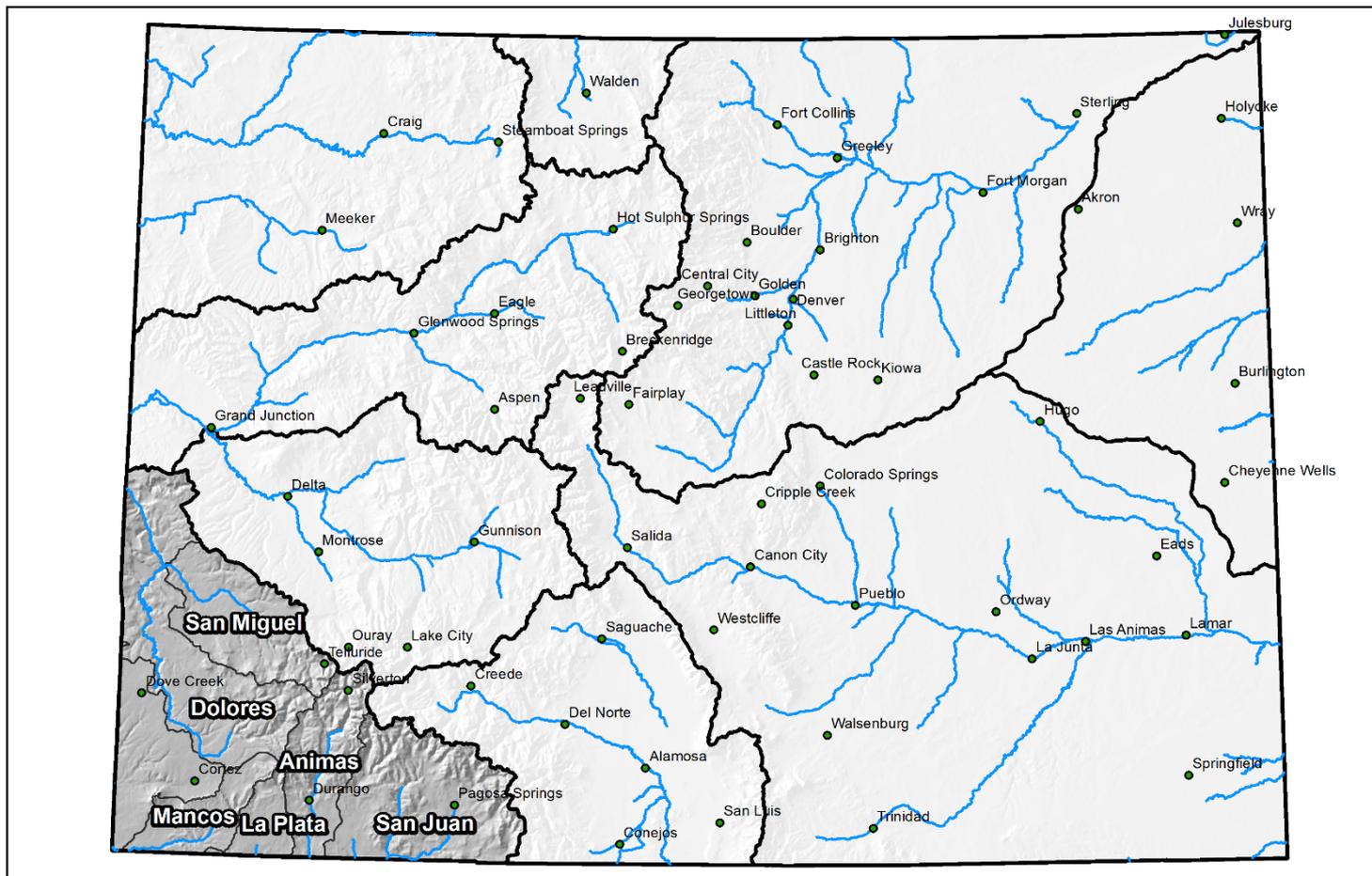


GUNNISON RIVER BASIN Reservoir Storage Departure from Average



Major Basin Summary

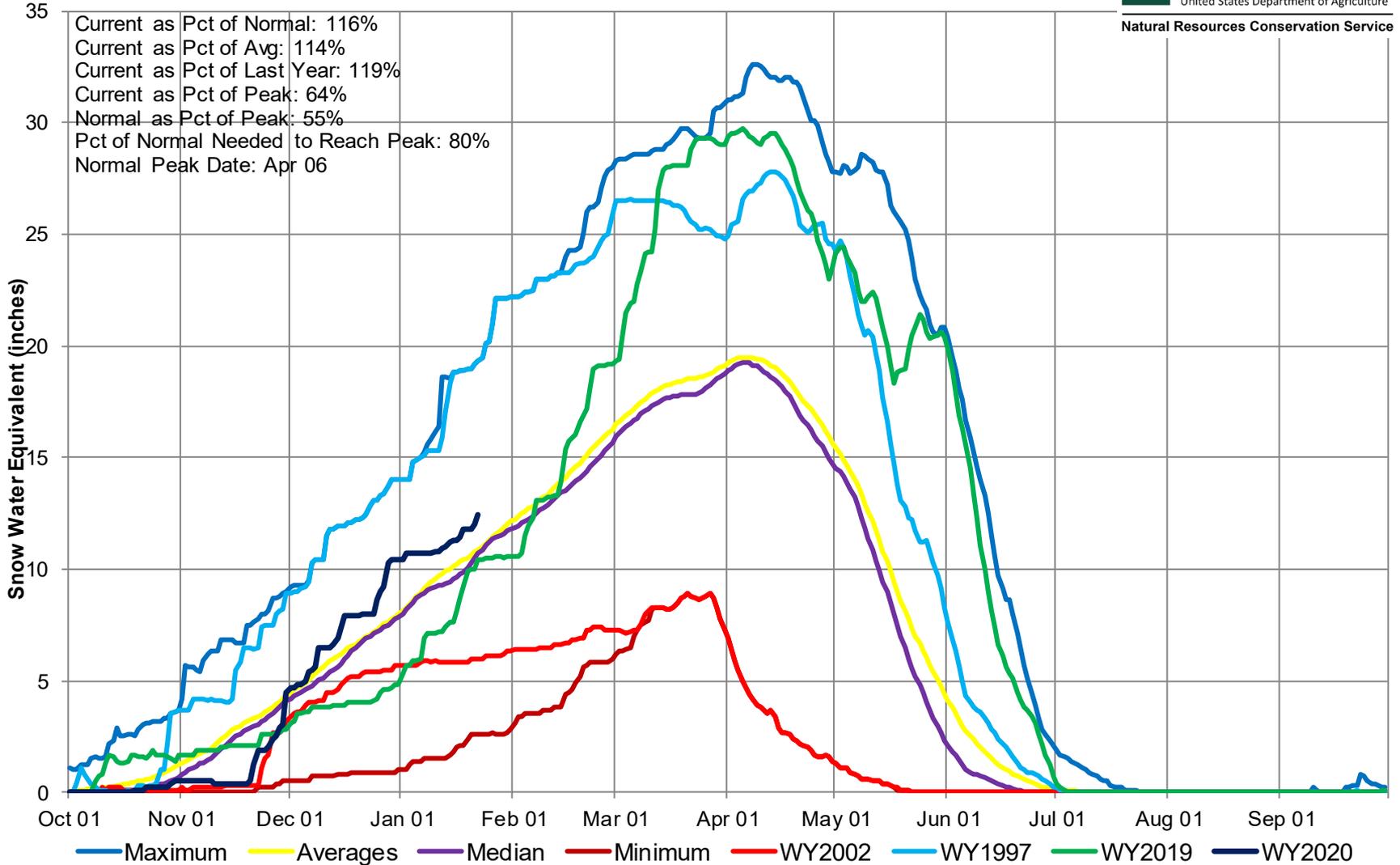
San Miguel, Dolores, Animas, and San Juan River Basins





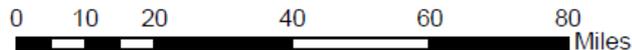
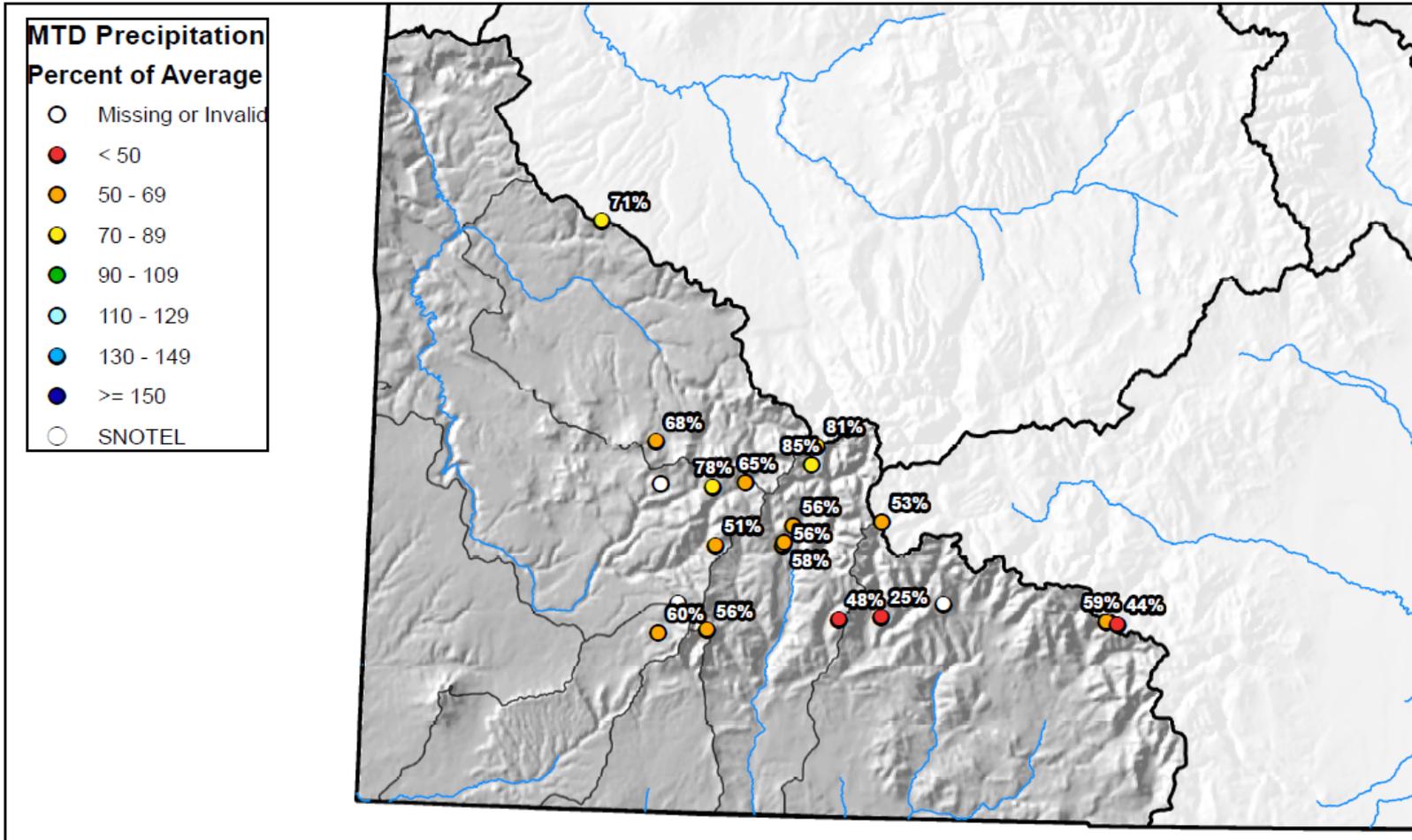
San Miguel, Dolores, Animas and San Juan River Basins High/Low Snowpack Summary

Based on Provisional SNOTEL data as of Jan 22, 2020



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

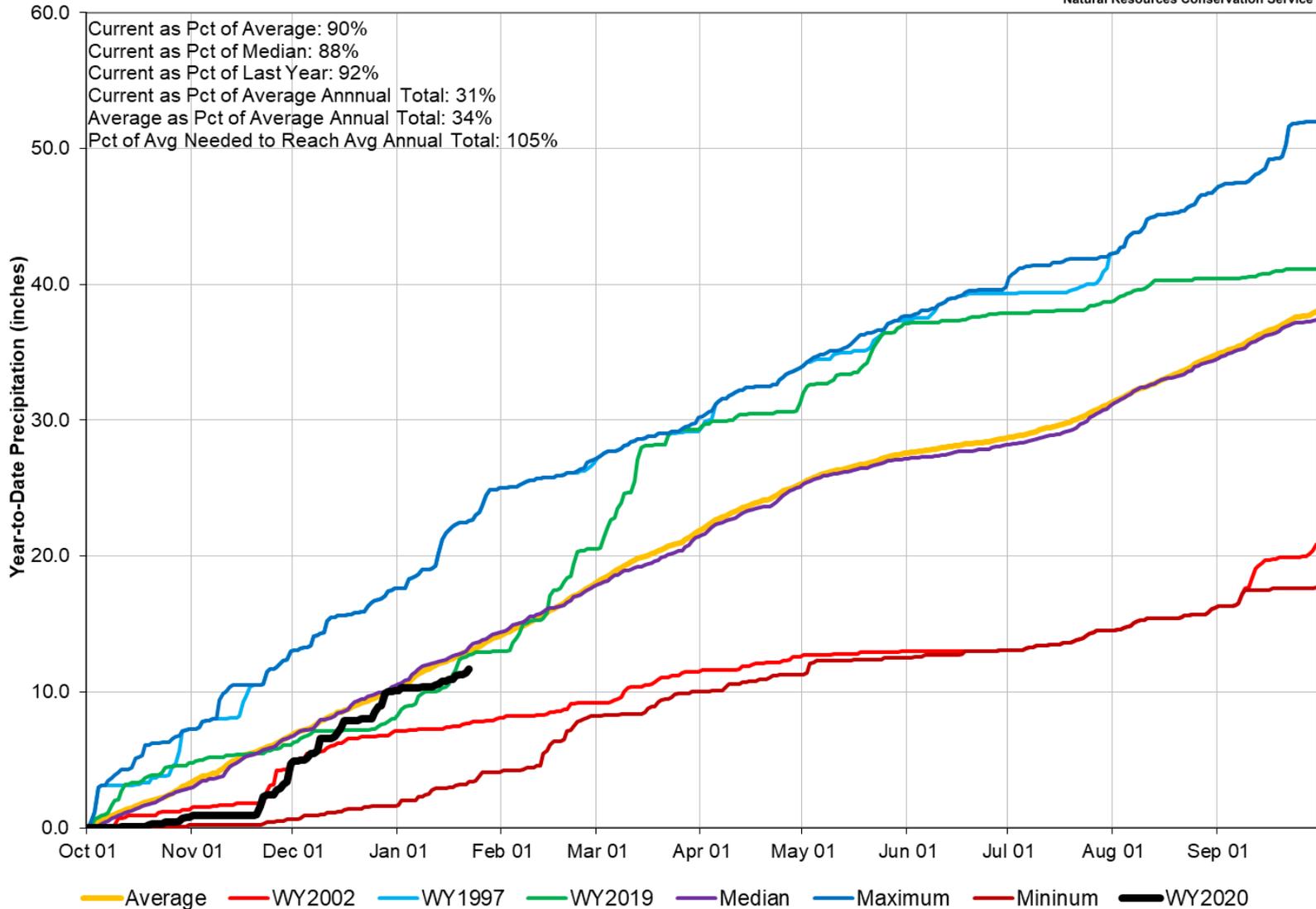
Current as of Jan 22, 2020



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

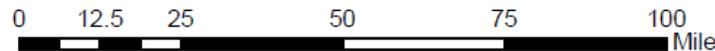
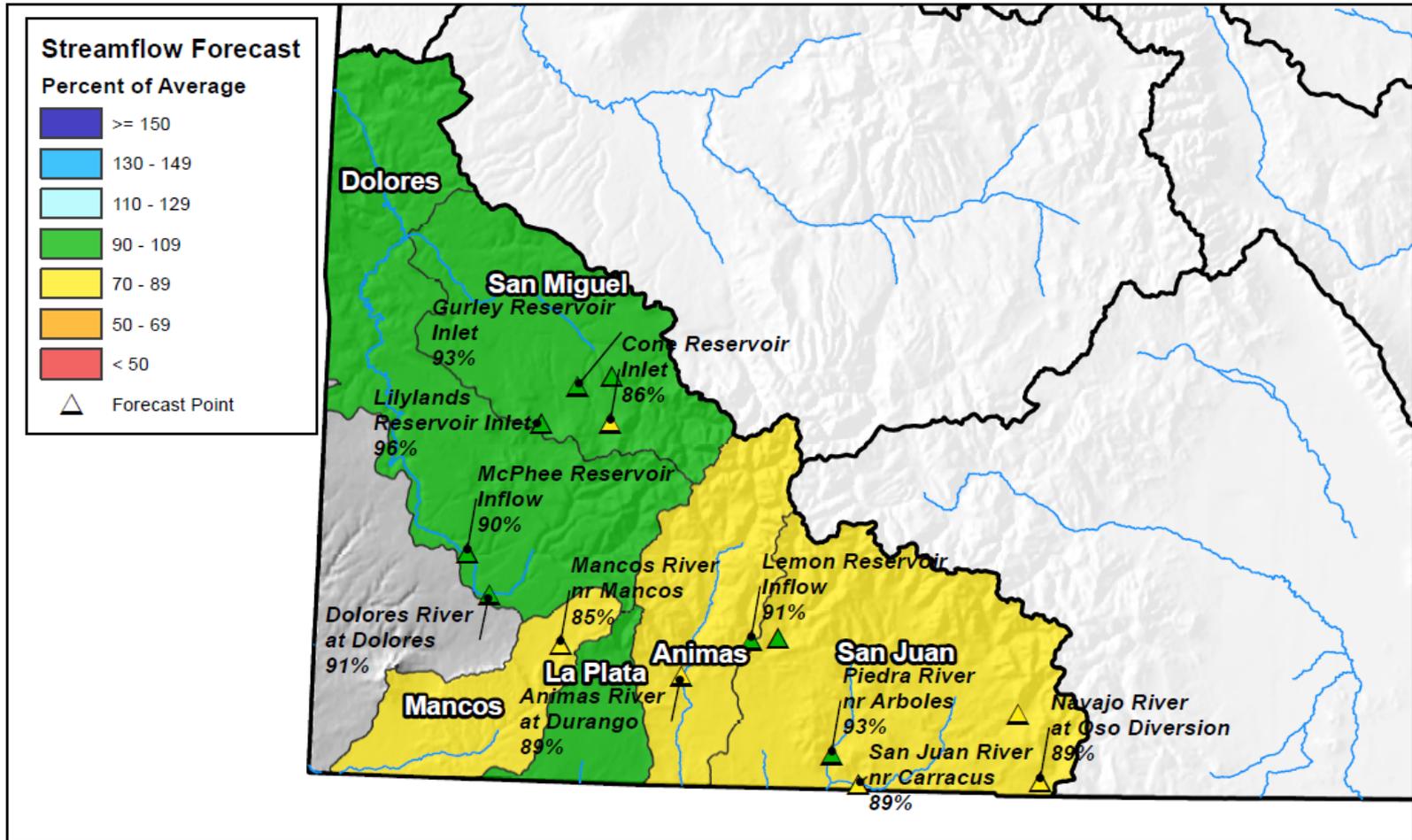
Based on Provisional SNOTEL data as of Jan 22, 2020

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Natural Resources Conservation Service

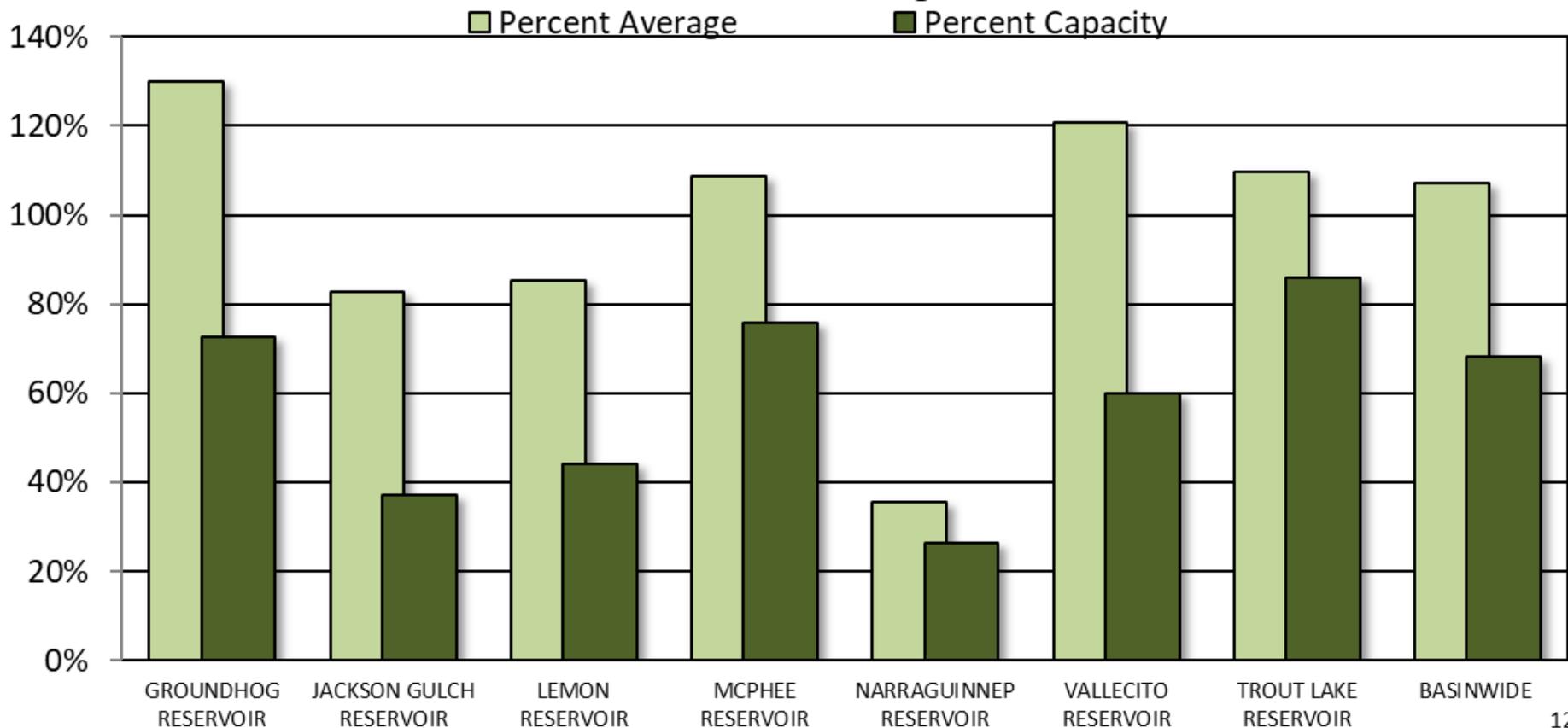


San Miguel, Dolores, Animas, and San Juan River Basins Streamflow Forecast Summary

January 1, 2020

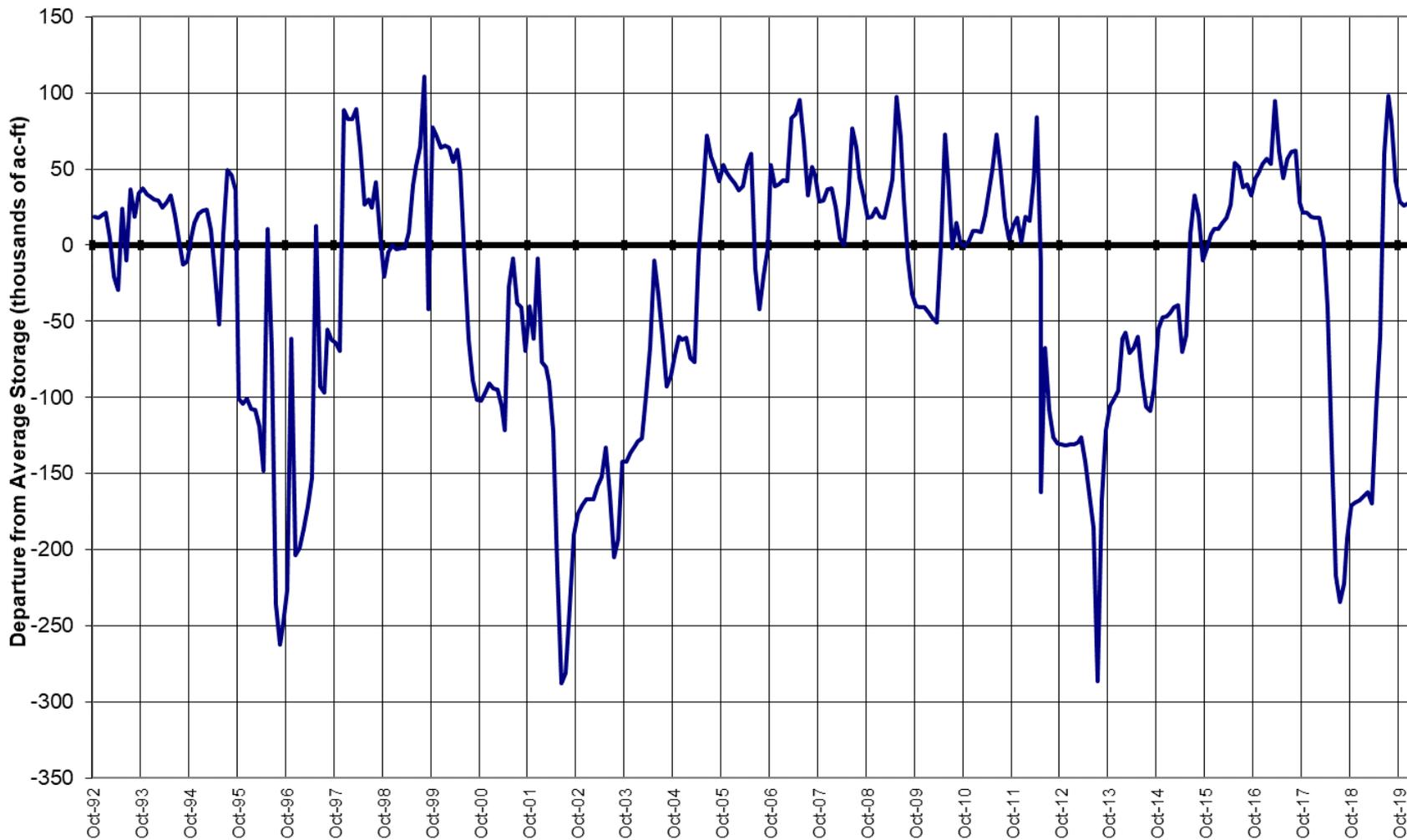


Reservoir Storage



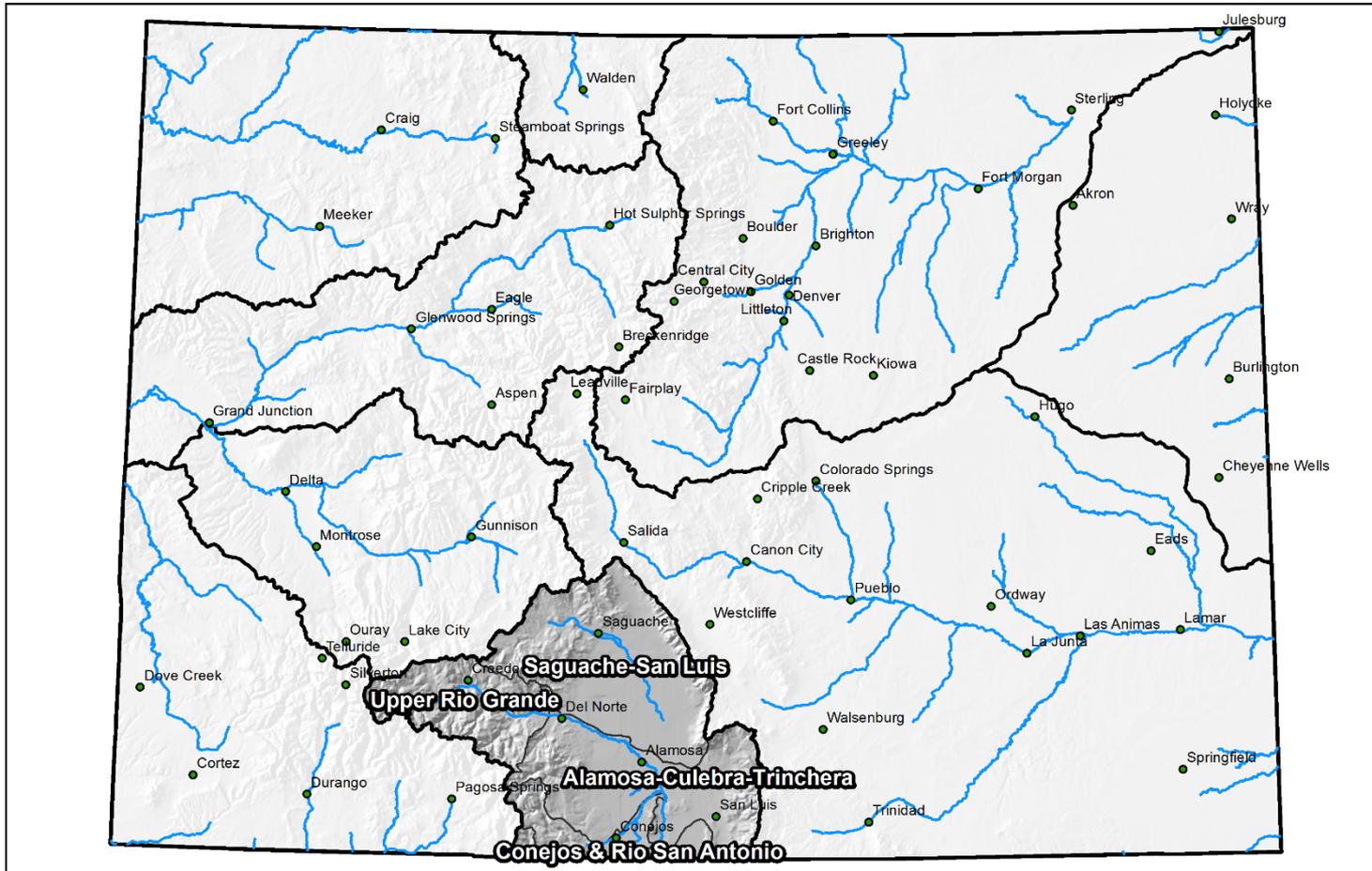


SAN MIGUEL, DOLORES, ANIMAS AND SAN JUAN RIVER BASINS Reservoir Storage Departure from Average



Major Basin Summary

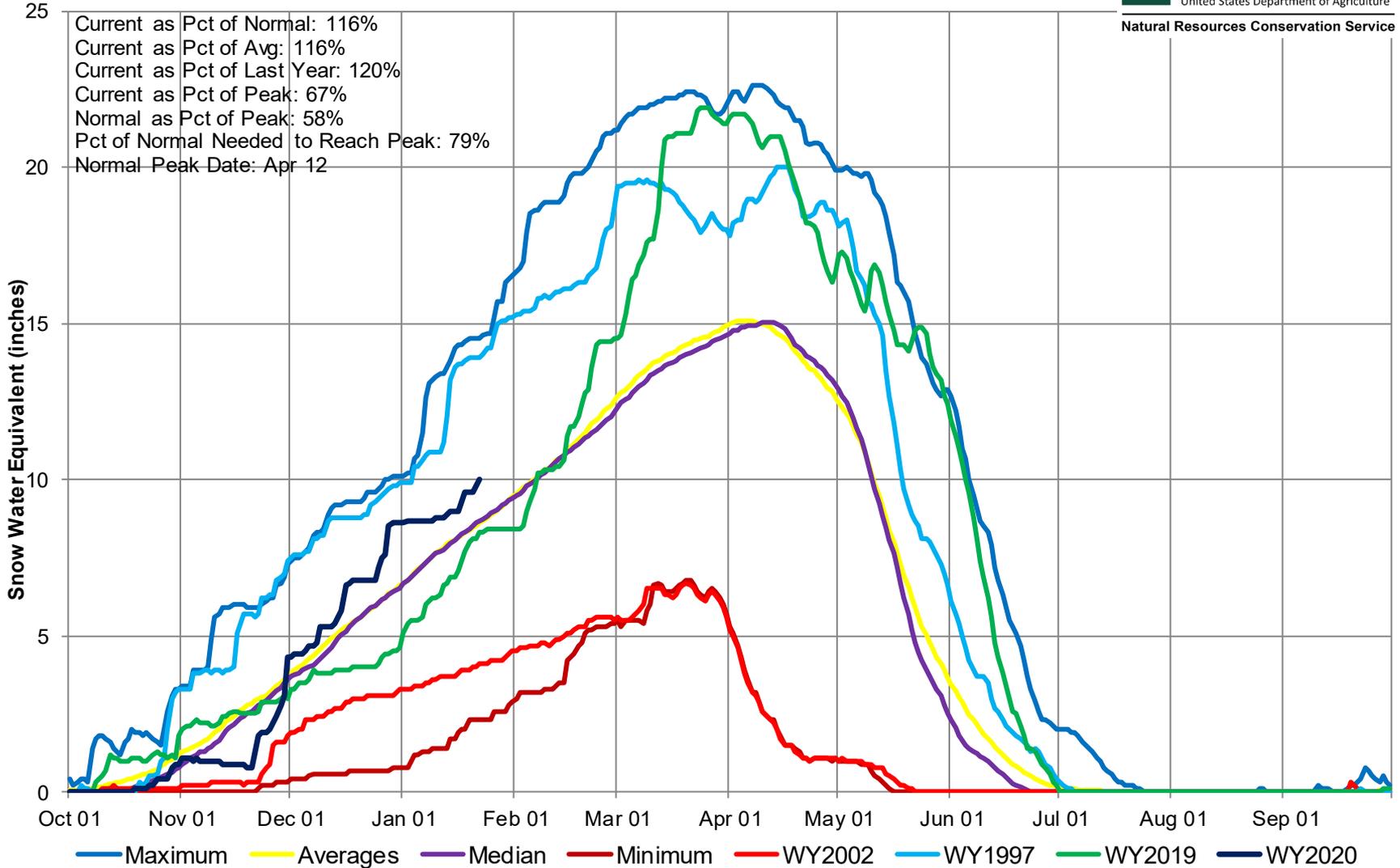
Upper Rio Grande River Basin





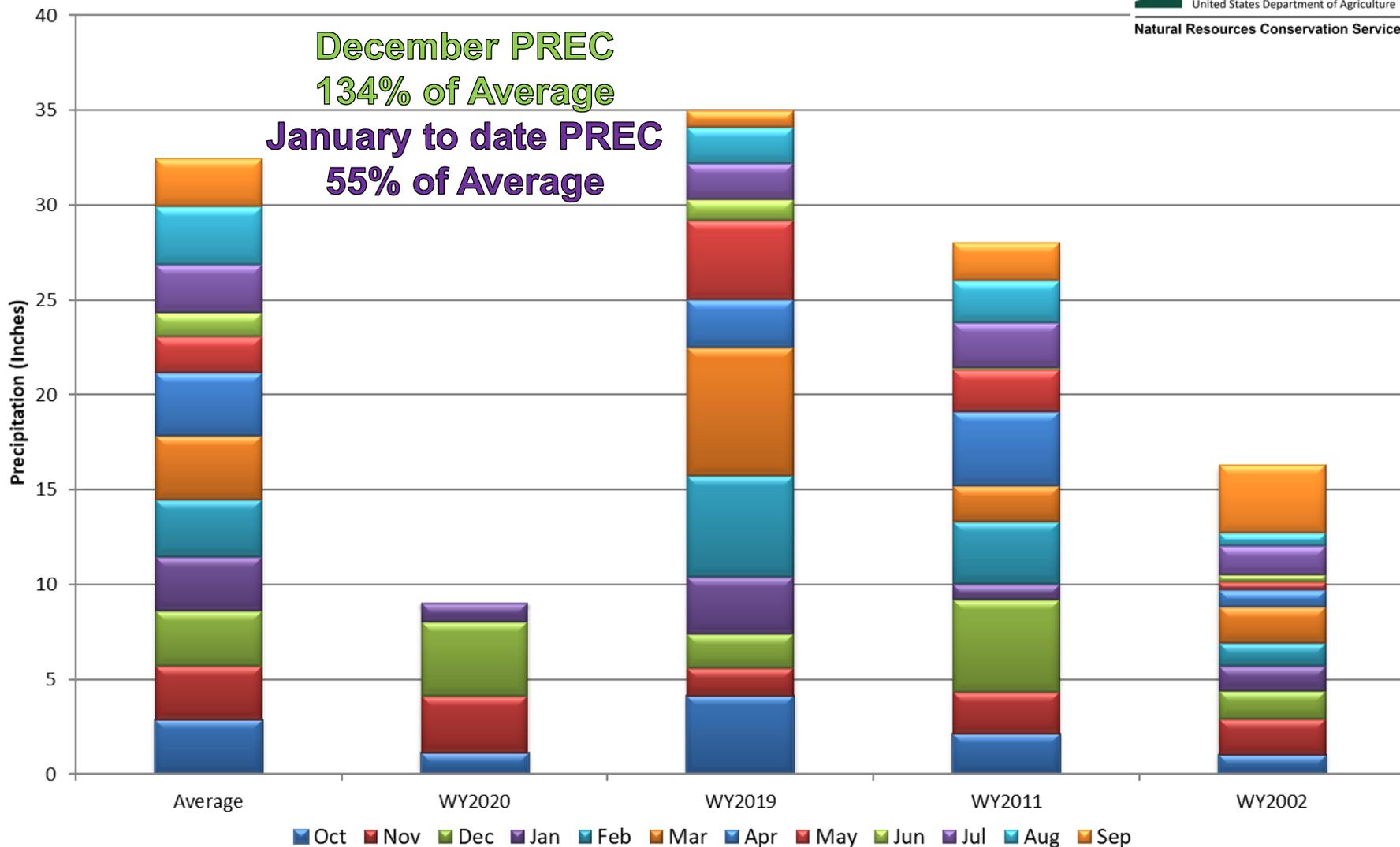
Upper Rio Grande Basin High/Low Snowpack Summary

Based on Provisional SNOTEL data as of Jan 22, 2020



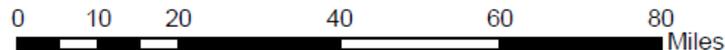
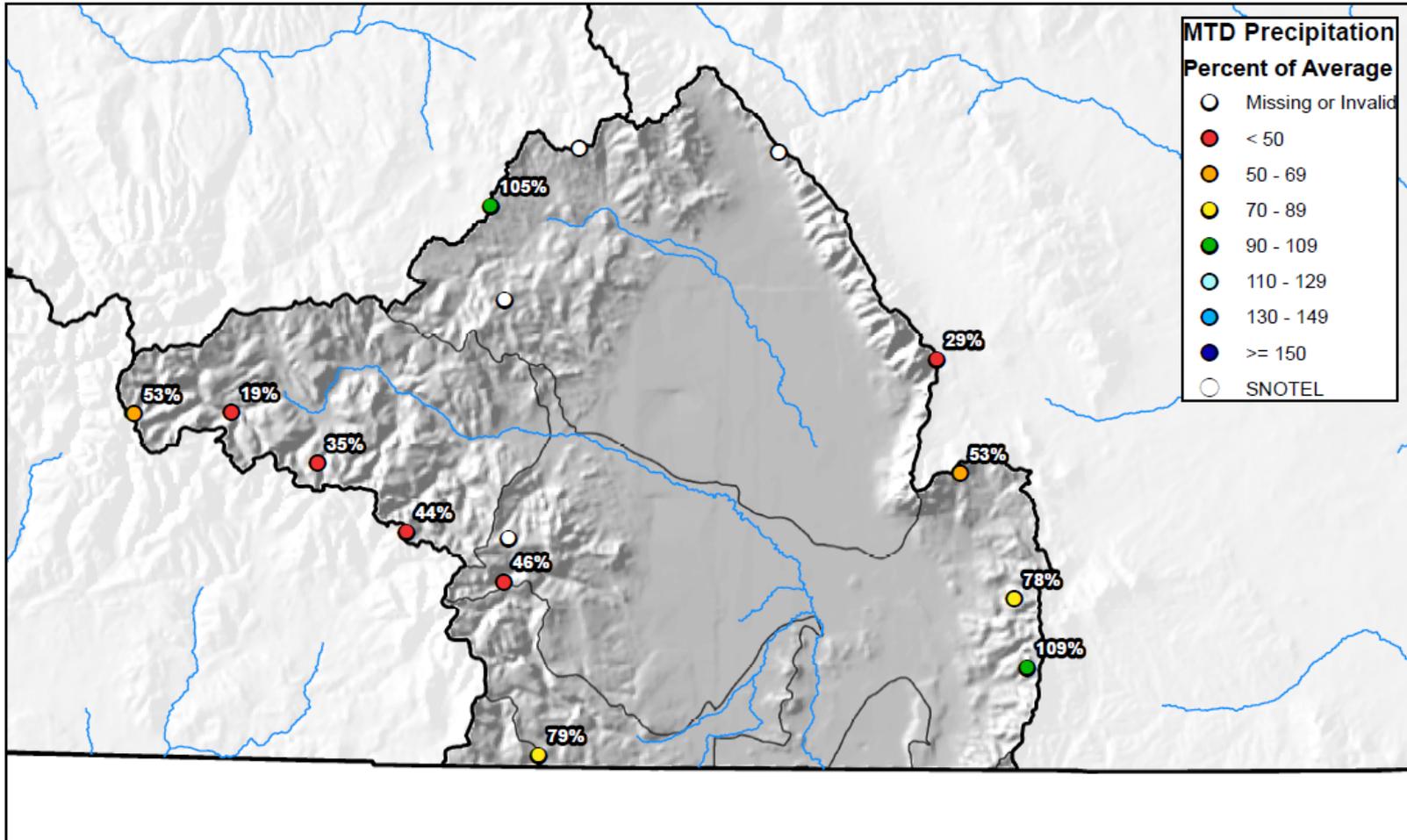
Upper Rio Grande River Basin High/Low Monthly Precipitation Summary

Based on Provisional SNOTEL data as of Jan 22, 2020



Upper Rio Grande River Basin Month to Date Precipitation Summary

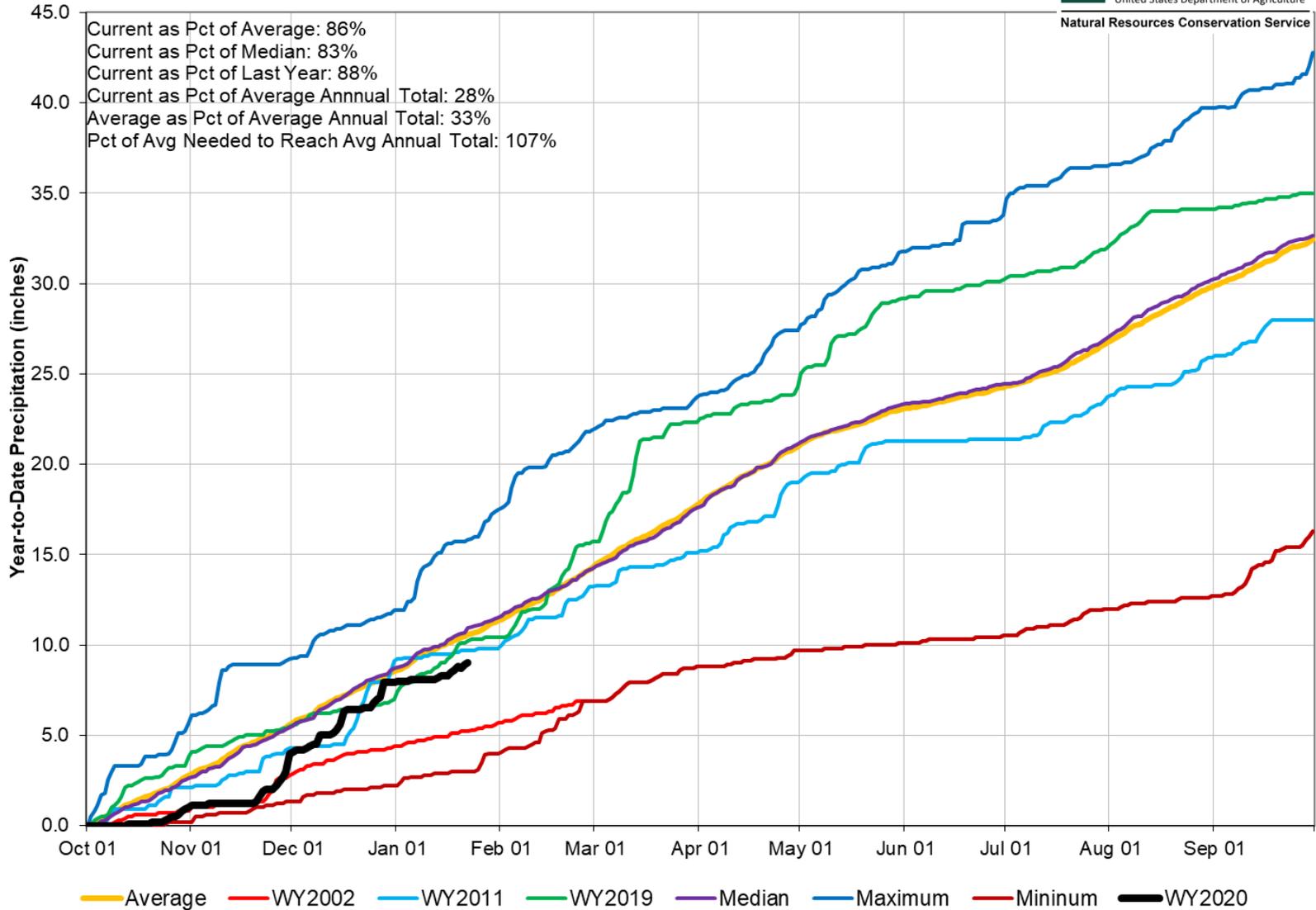
Current as of Jan 22, 2020



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

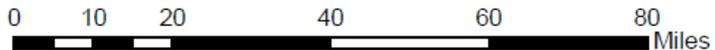
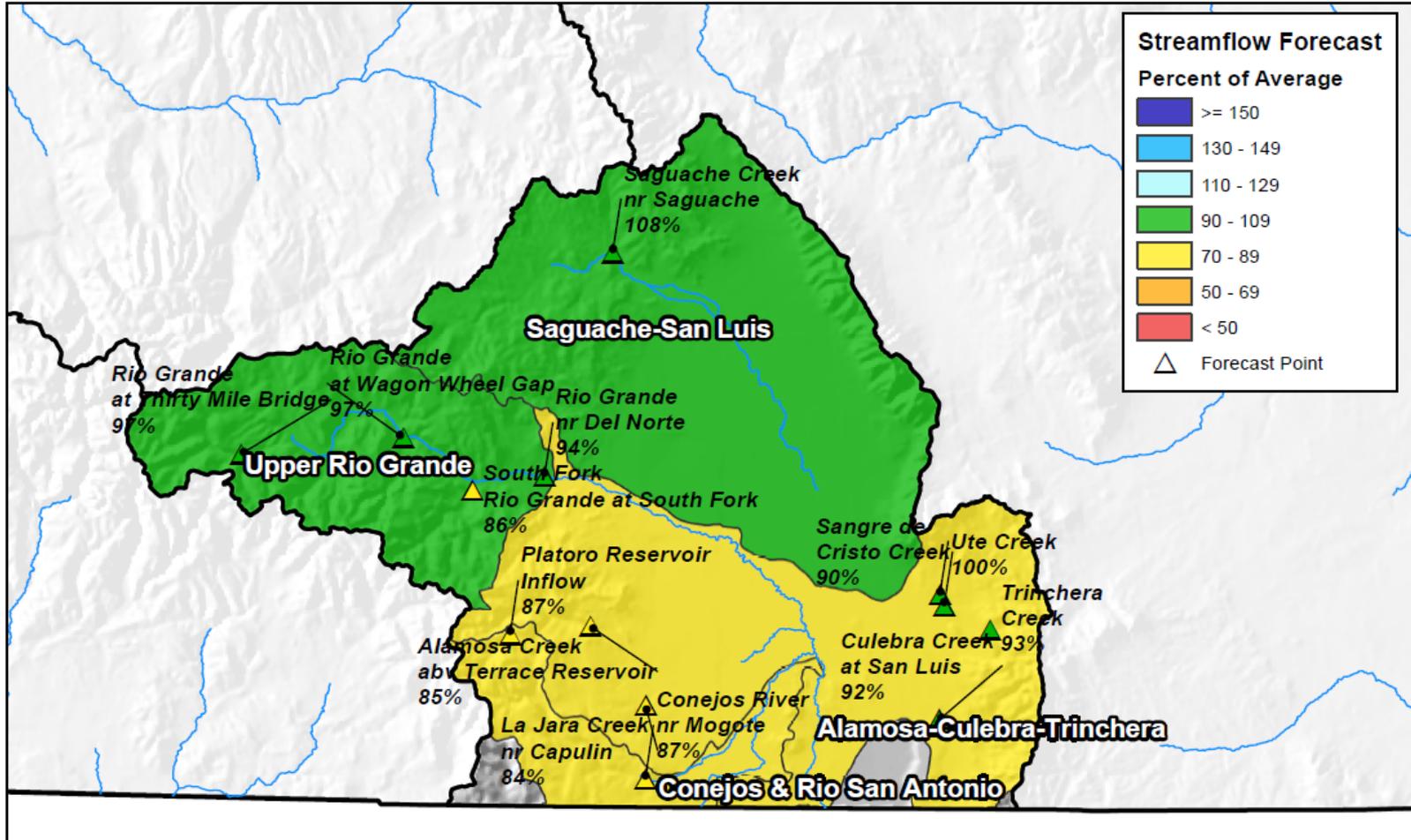
Based on Provisional SNOTEL data as of Jan 22, 2020

USDA
United States Department of Agriculture
Natural Resources Conservation Service



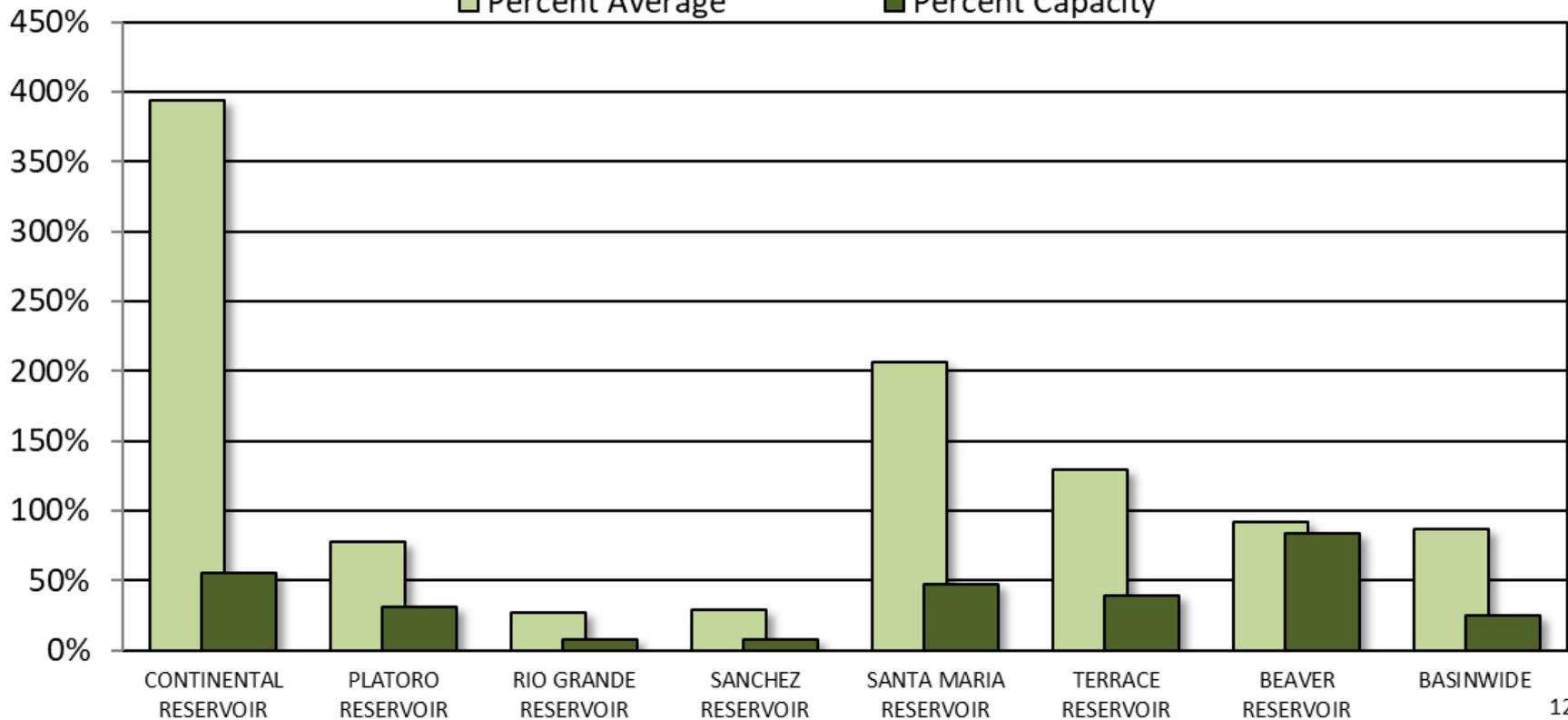
Upper Rio Grande River Basin Streamflow Forecast Summary

January 1, 2020



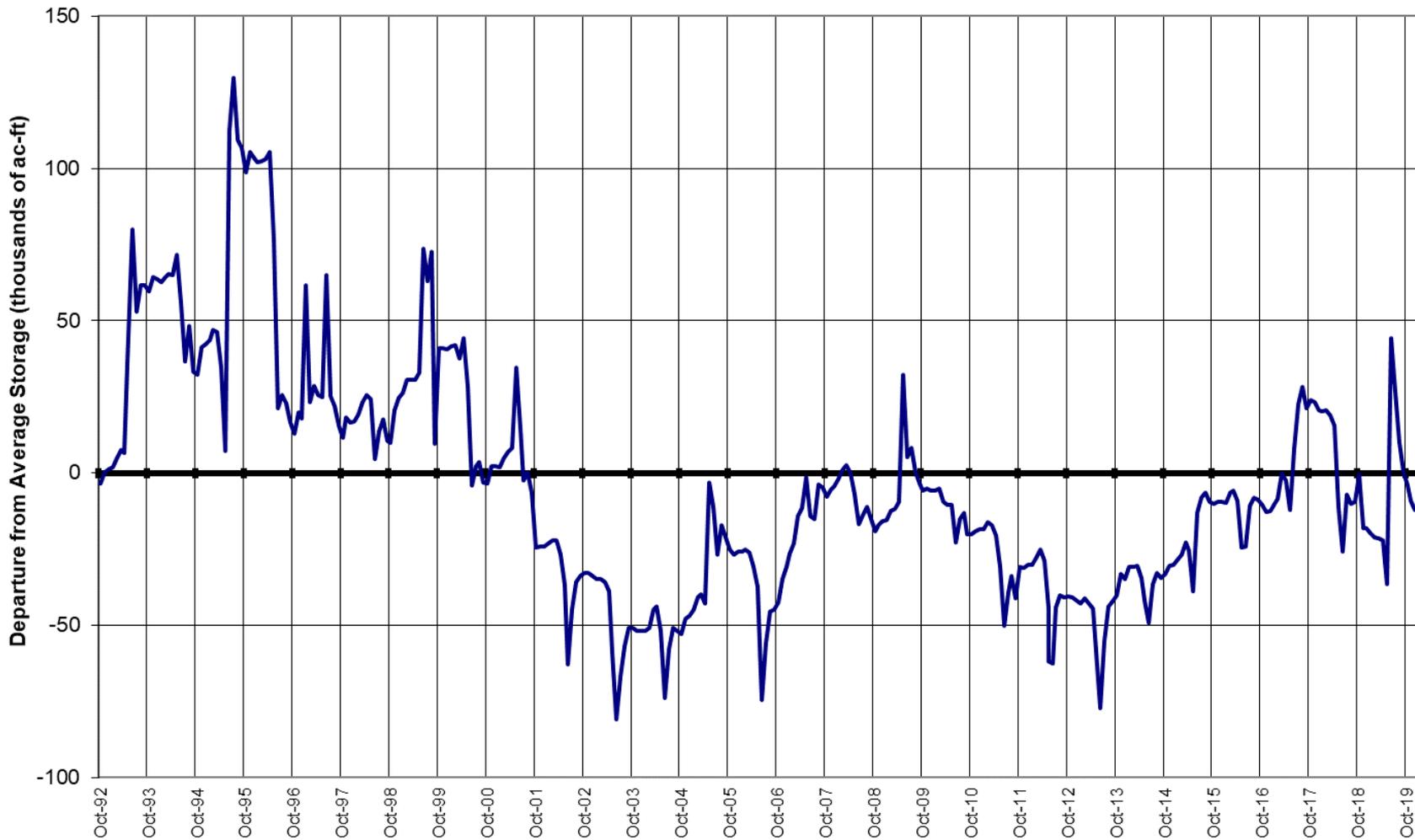
Reservoir Storage

■ Percent Average ■ Percent Capacity



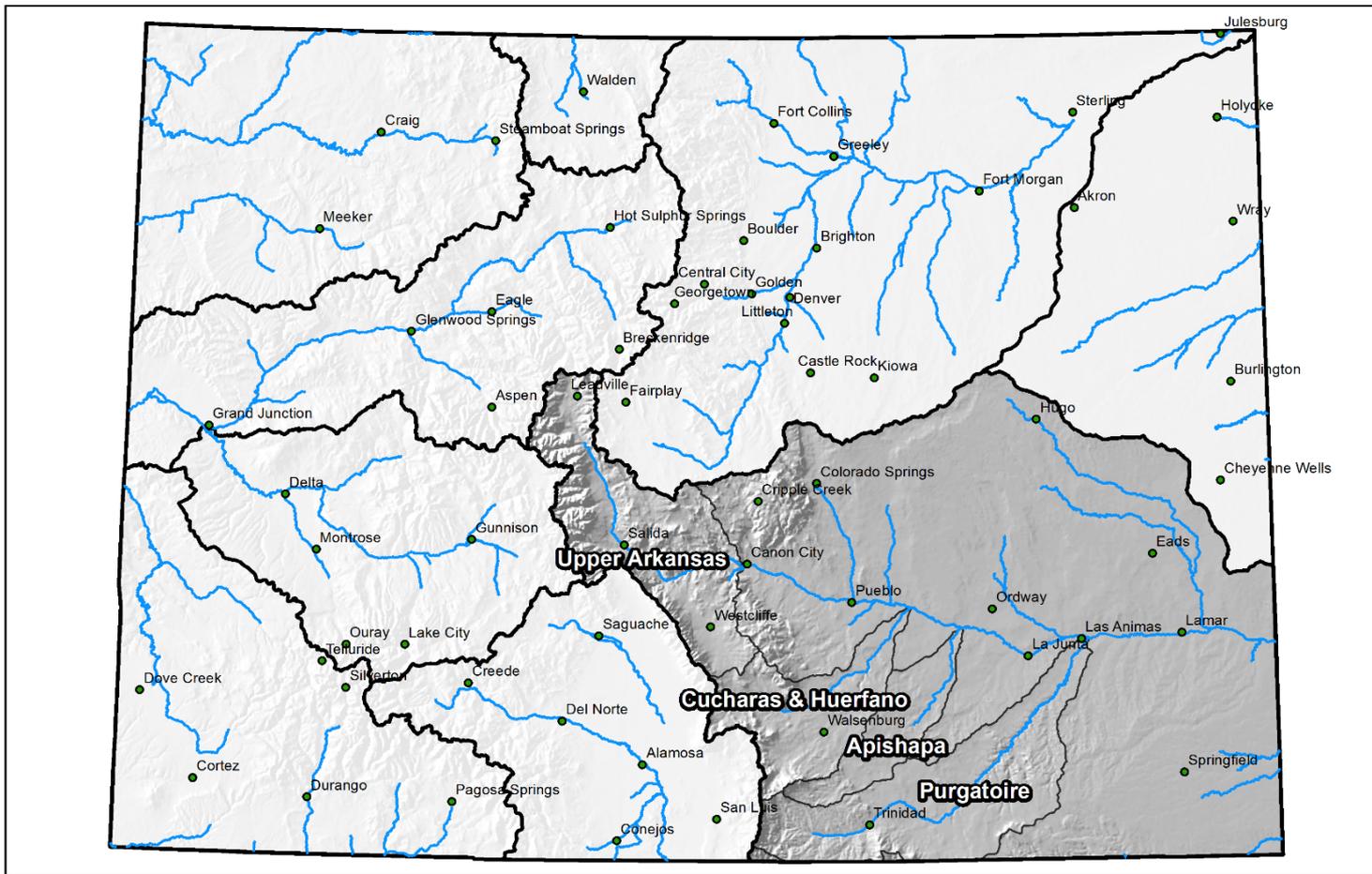


UPPER RIO GRANDE BASIN Reservoir Storage Departure from Average



Major Basin Summary

Arkansas River Basin



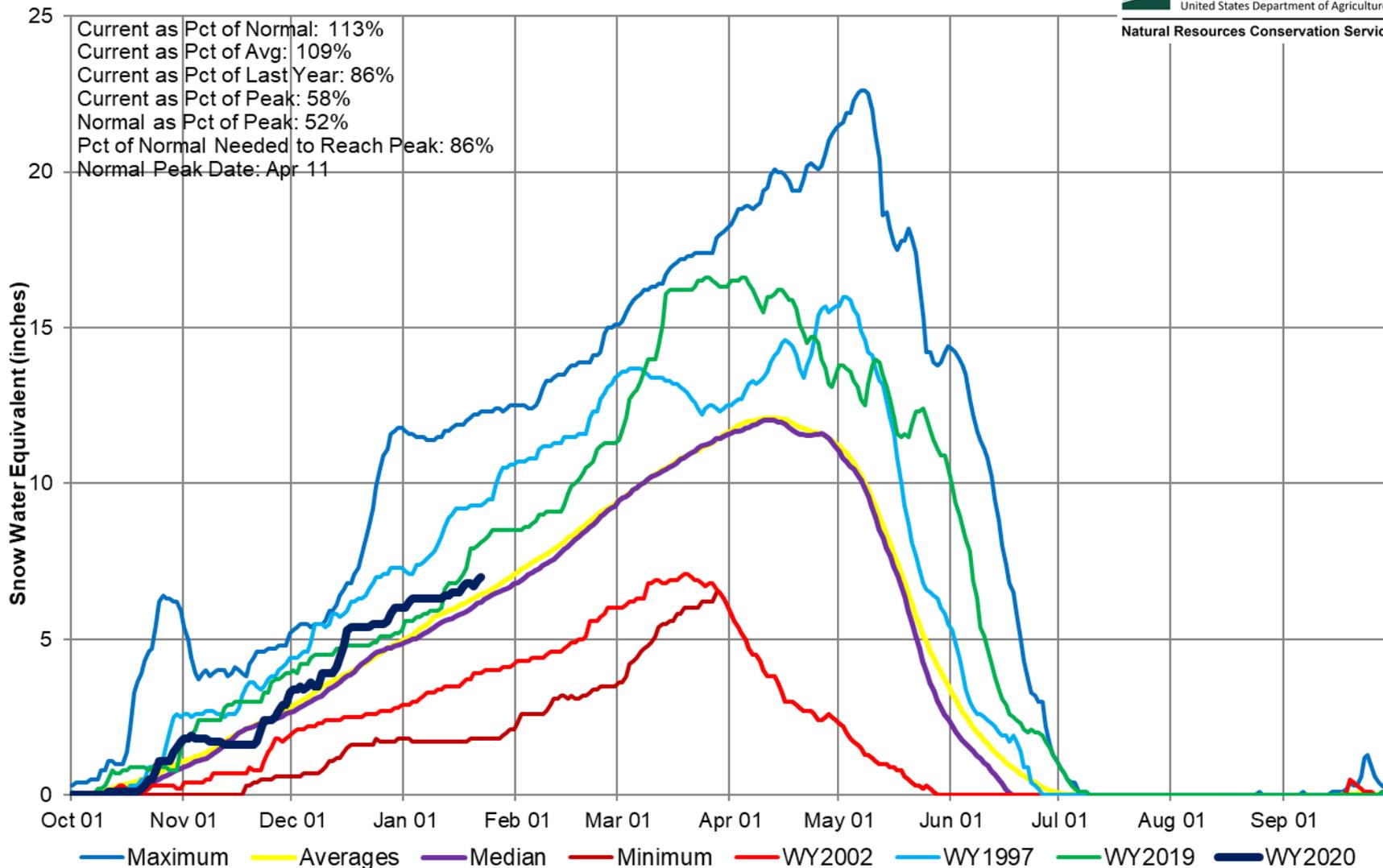
Arkansas River Basin High/Low Snowpack Summary

Based on Provisional SNOTEL data as of Jan 22, 2020



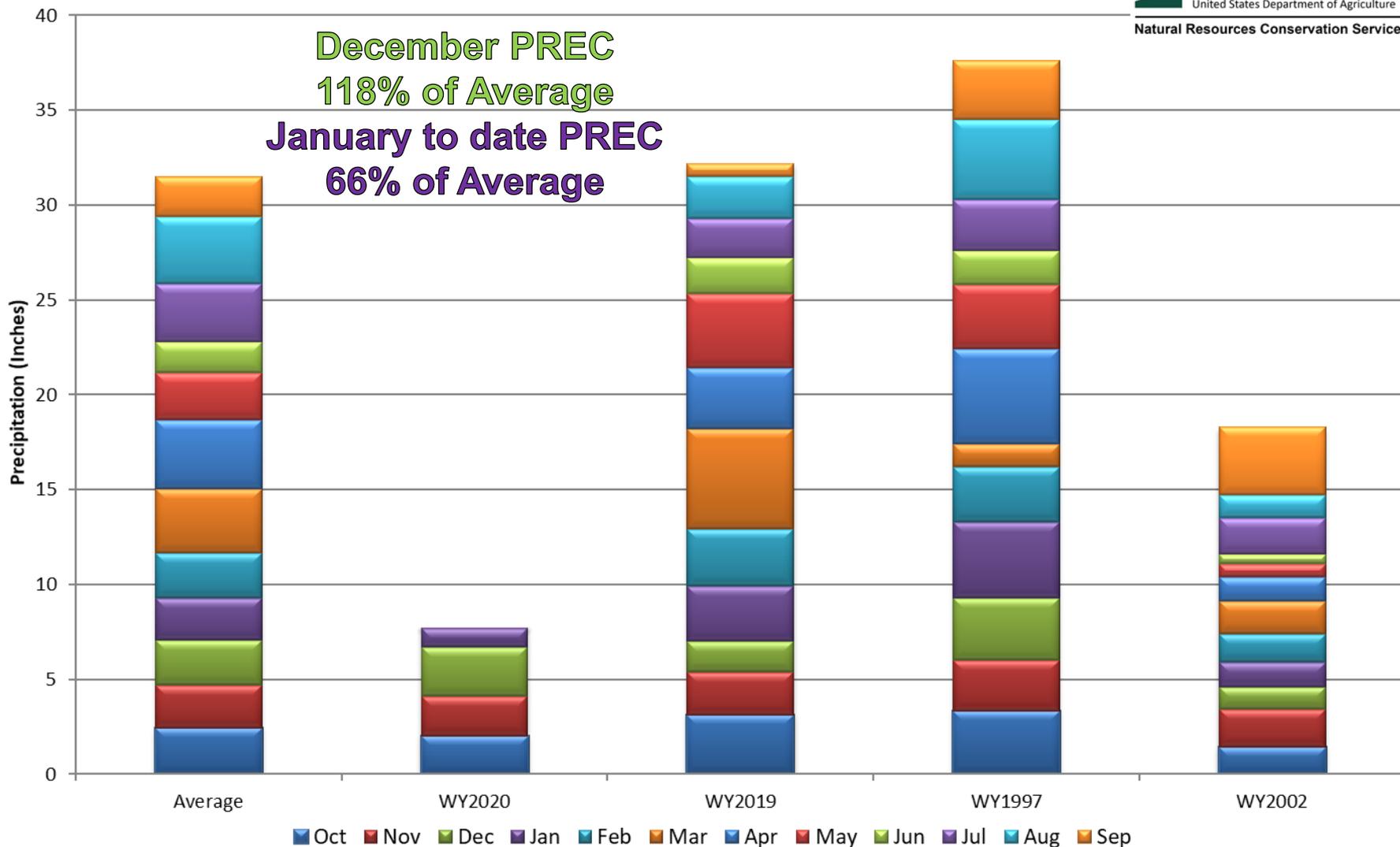
United States Department of Agriculture

Natural Resources Conservation Service



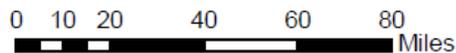
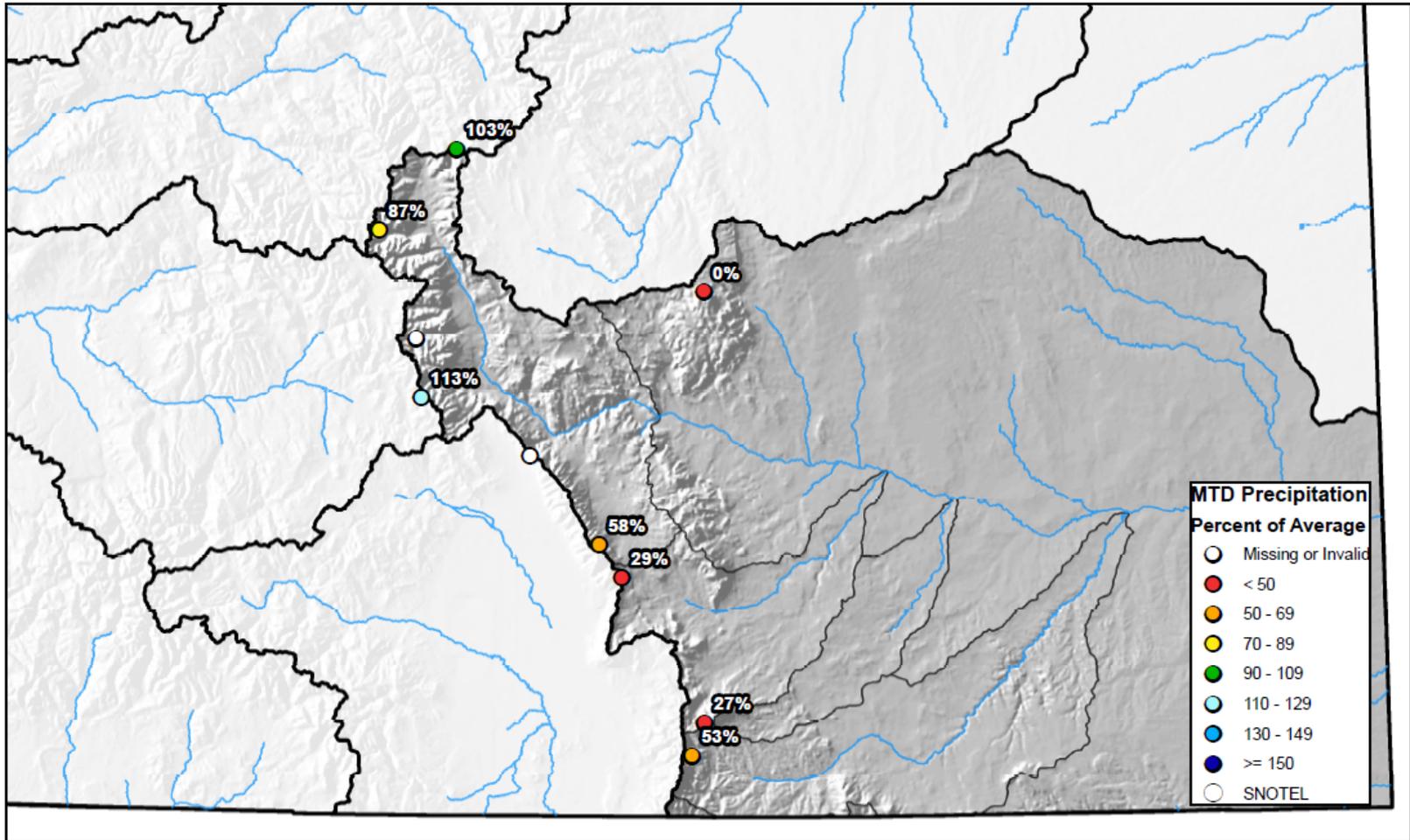
Arkansas River Basin High/Low Monthly Precipitation Summary

Based on Provisional SNOTEL data as of Jan 22, 2020



Arkansas River Basin Month to Date Precipitation Summary

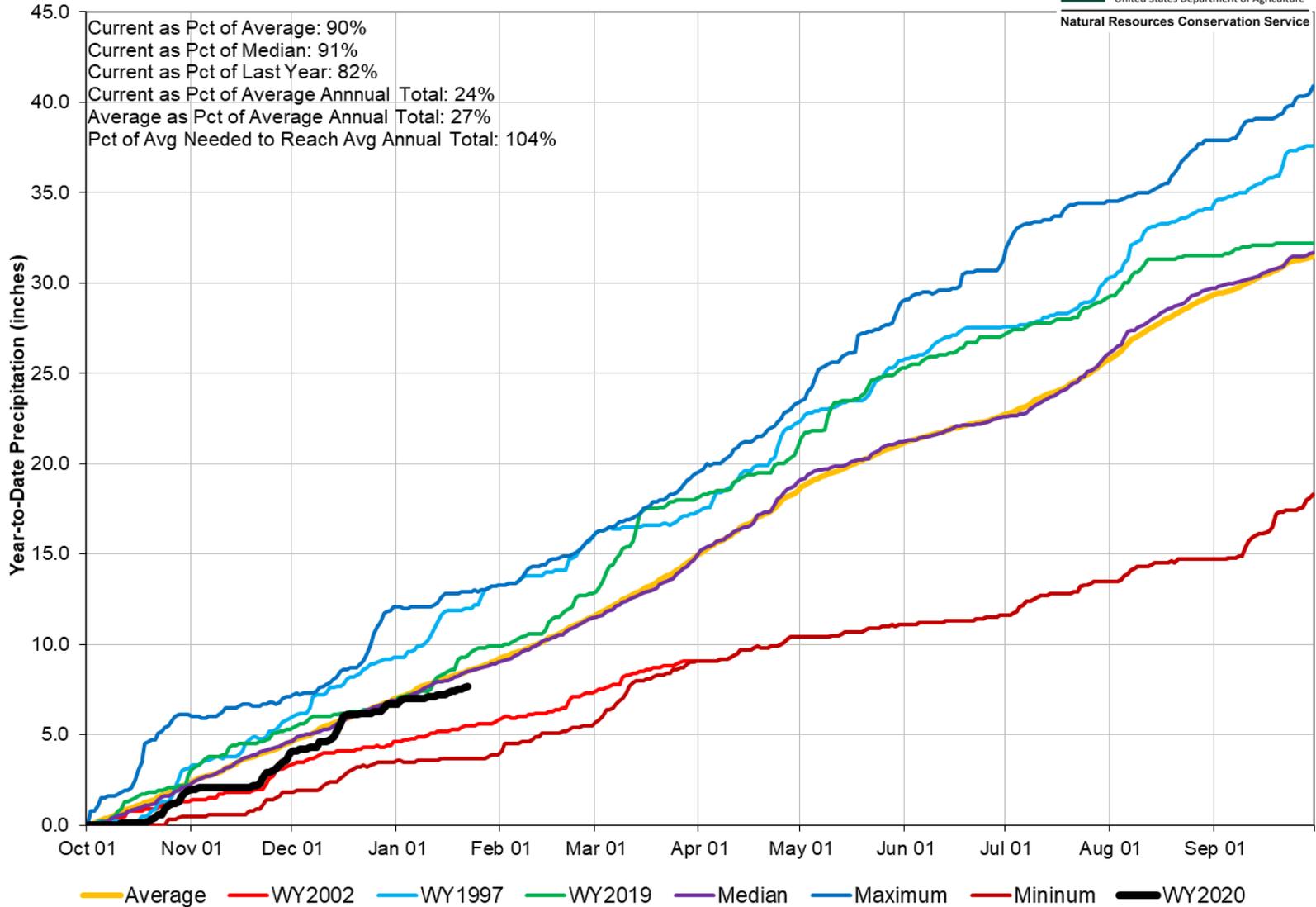
Current as of Jan 22, 2020



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

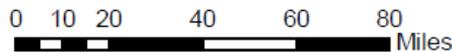
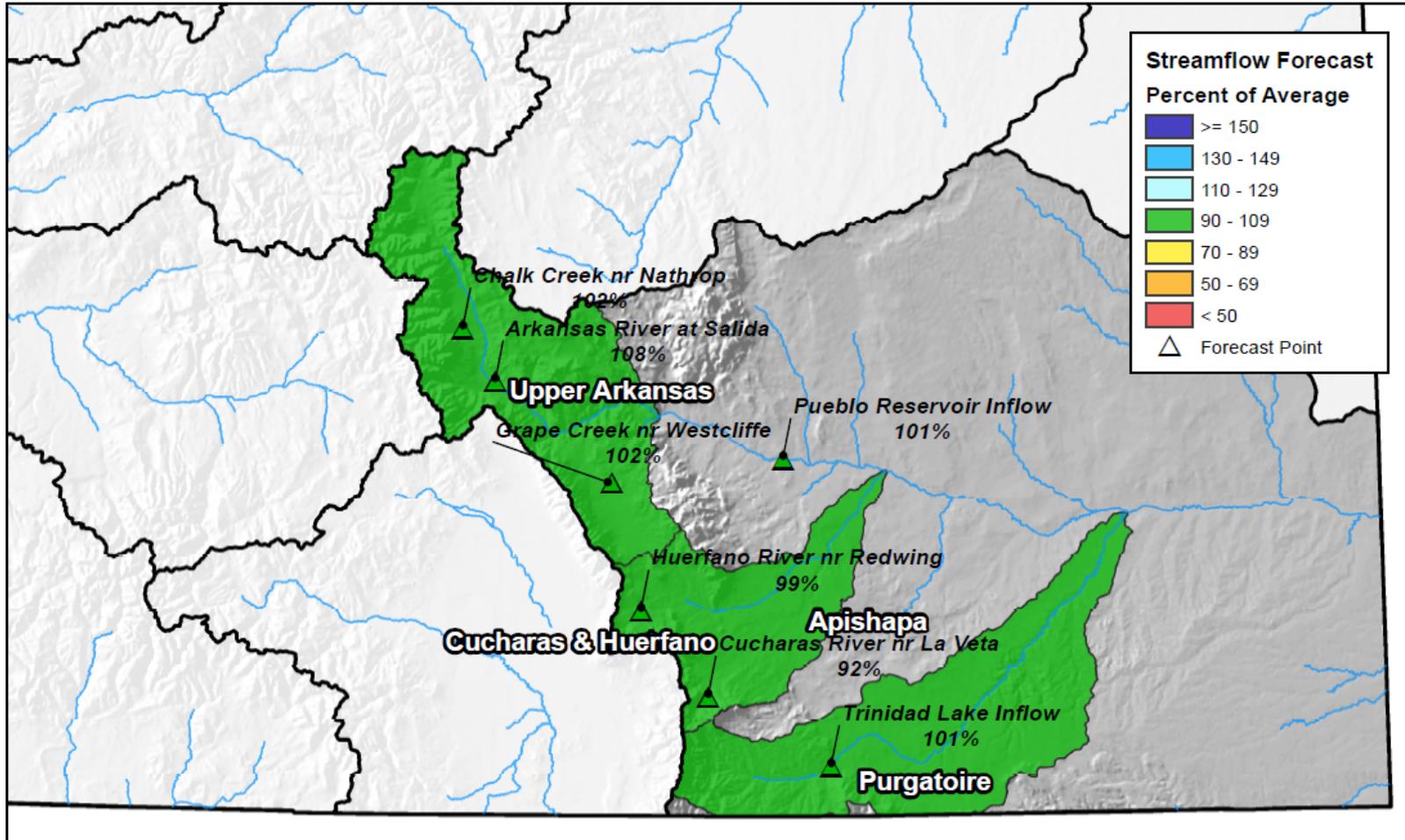
Based on Provisional SNOTEL data as of Jan 22, 2020

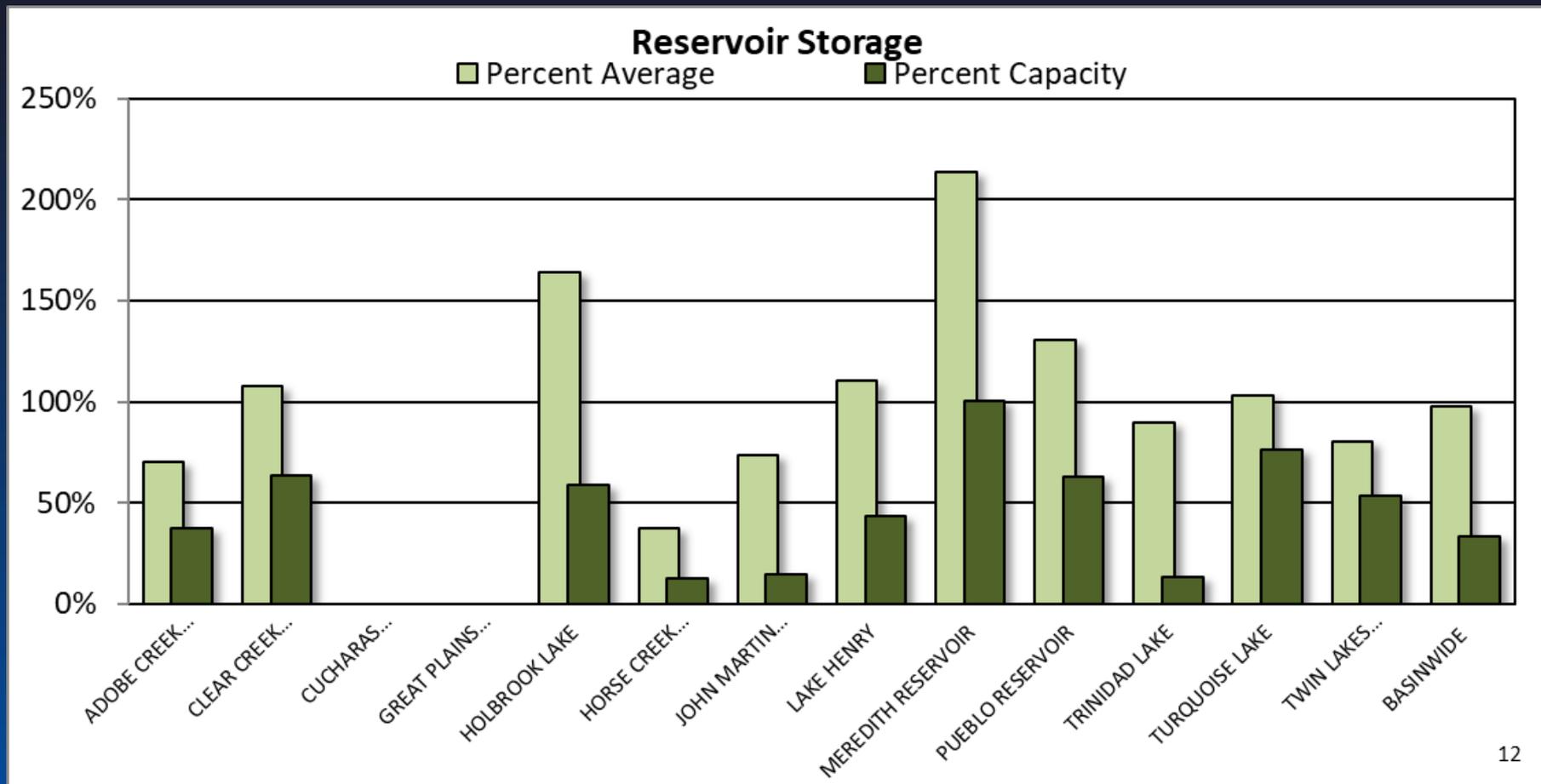
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United States Department of Agriculture
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Arkansas River Basin Streamflow Forecast Summary

January 1, 2020



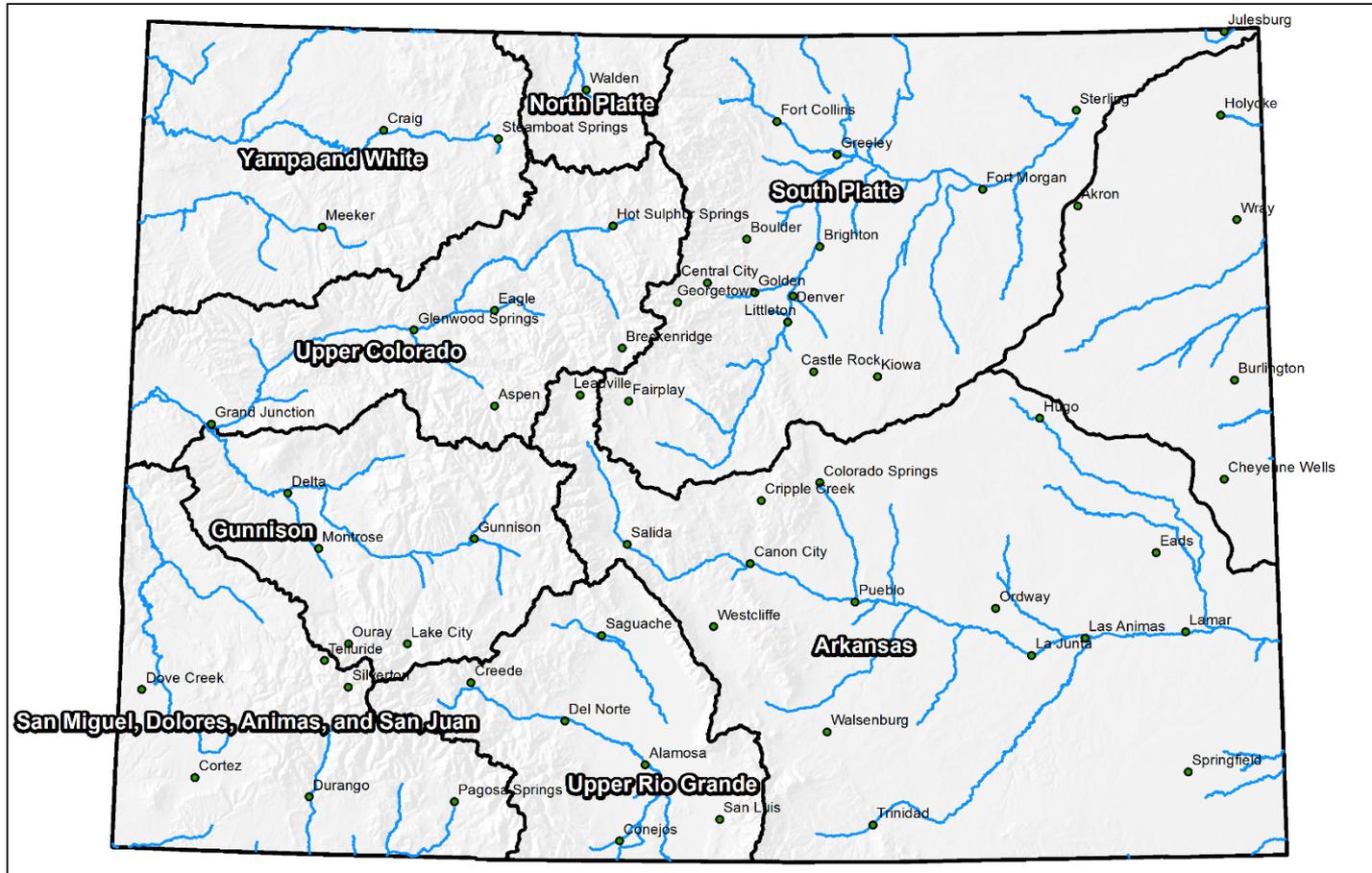


ARKANSAS RIVER BASIN Reservoir Storage Departure from Average



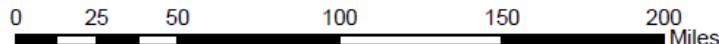
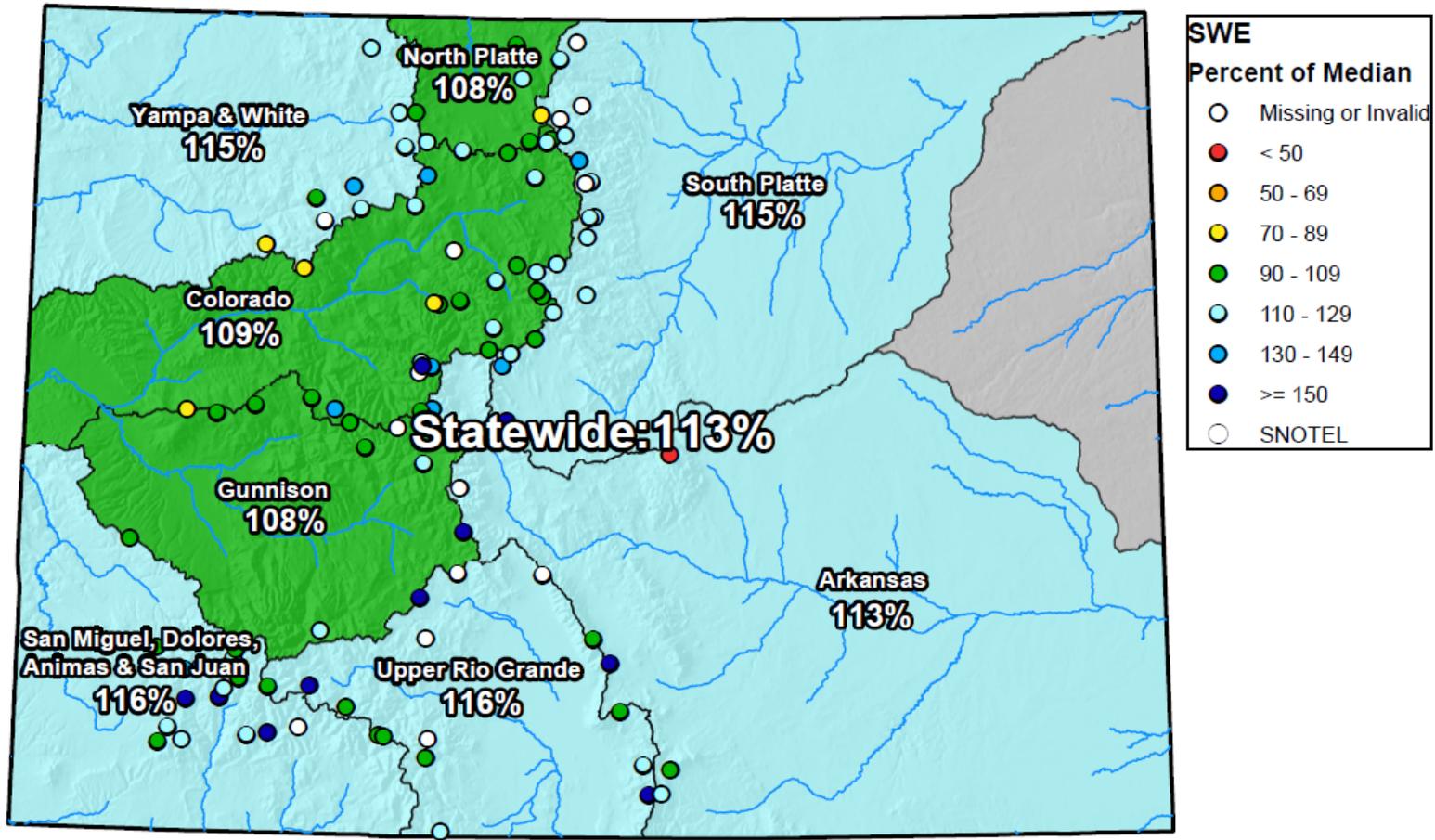
Colorado Statewide Summary

Colorado Major Basins



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

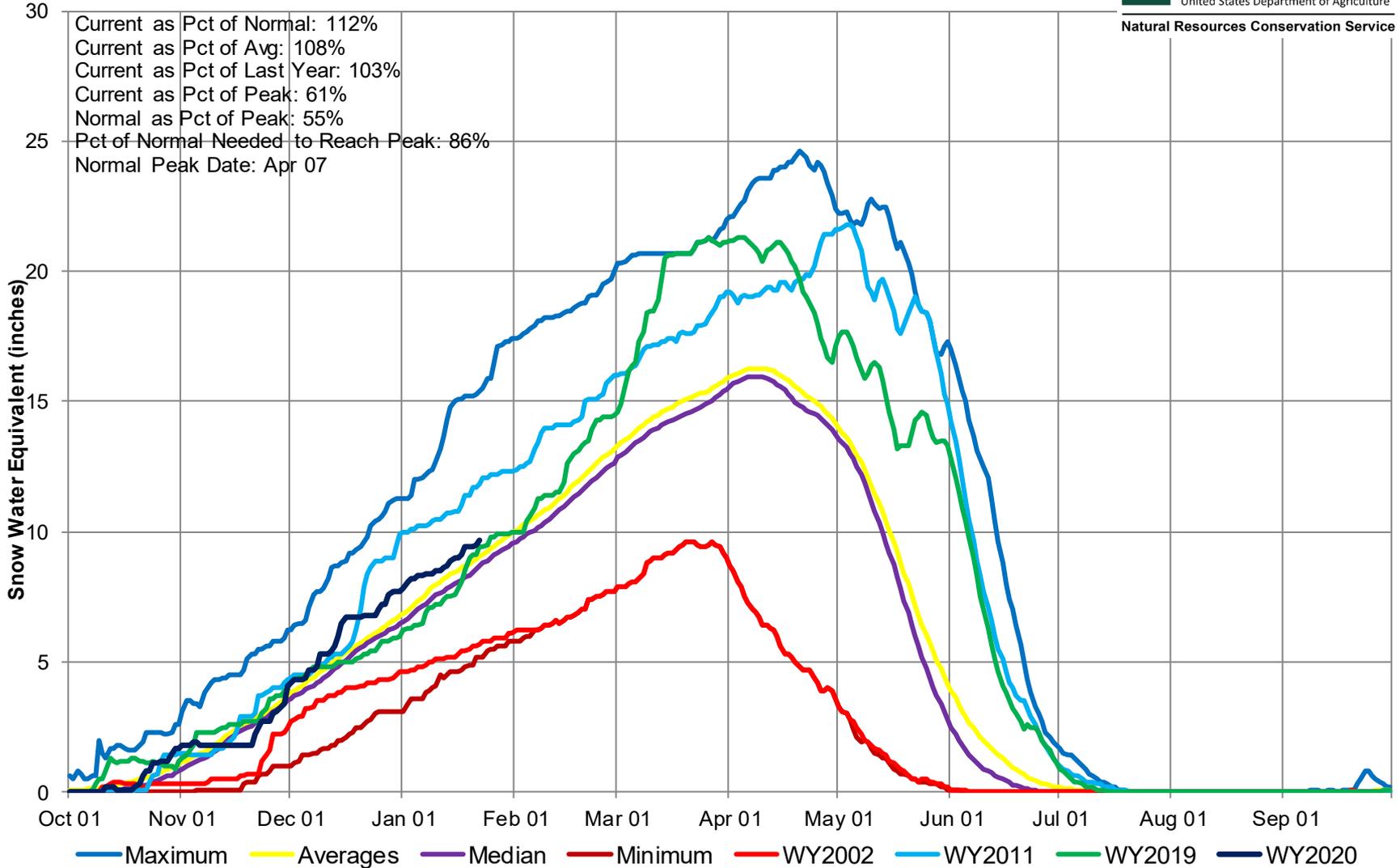
Current as of Jan 22, 2020





Colorado Statewide High/Low Snowpack Summary

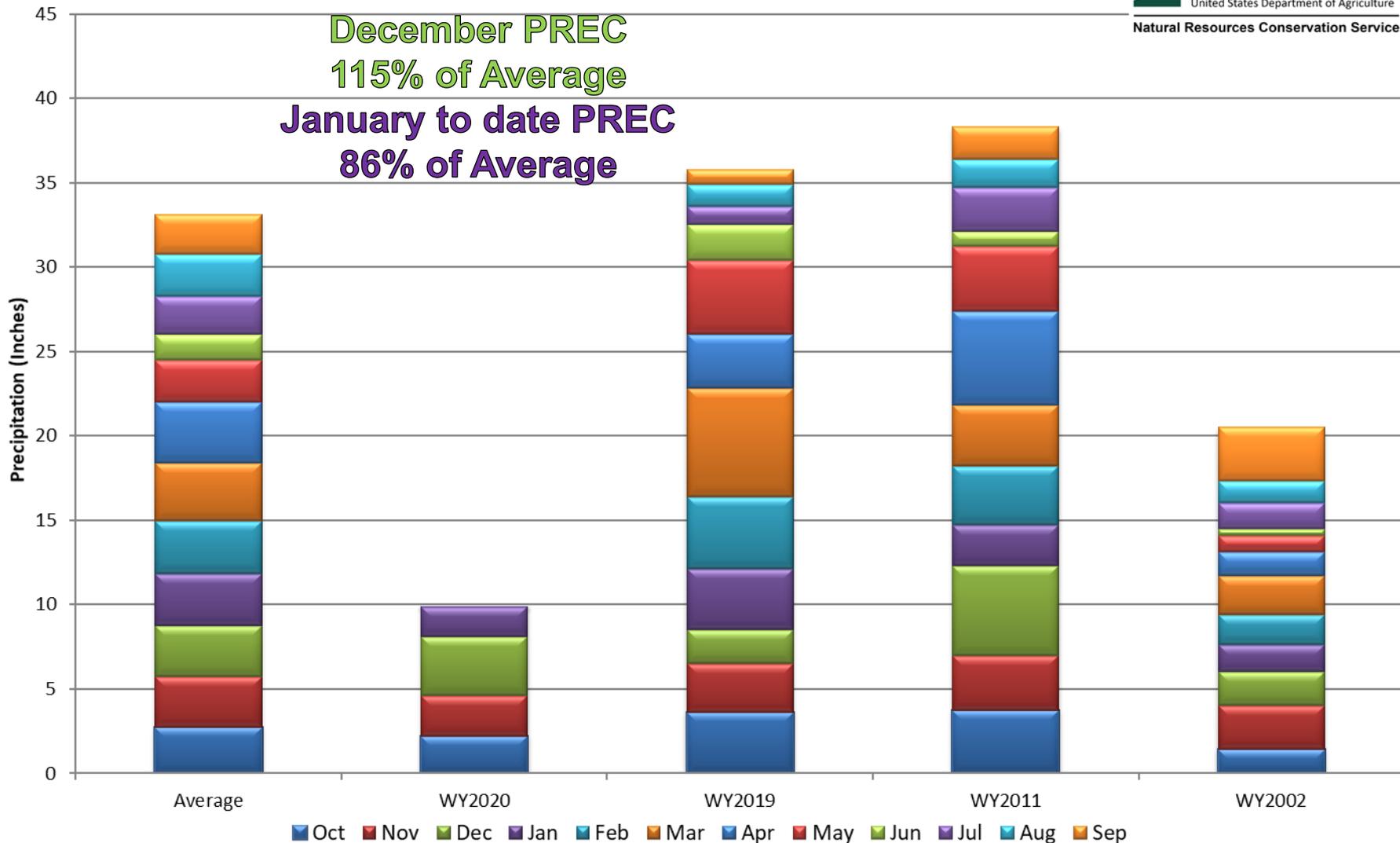
Based on Provisional SNOTEL data as of Jan 22, 2020



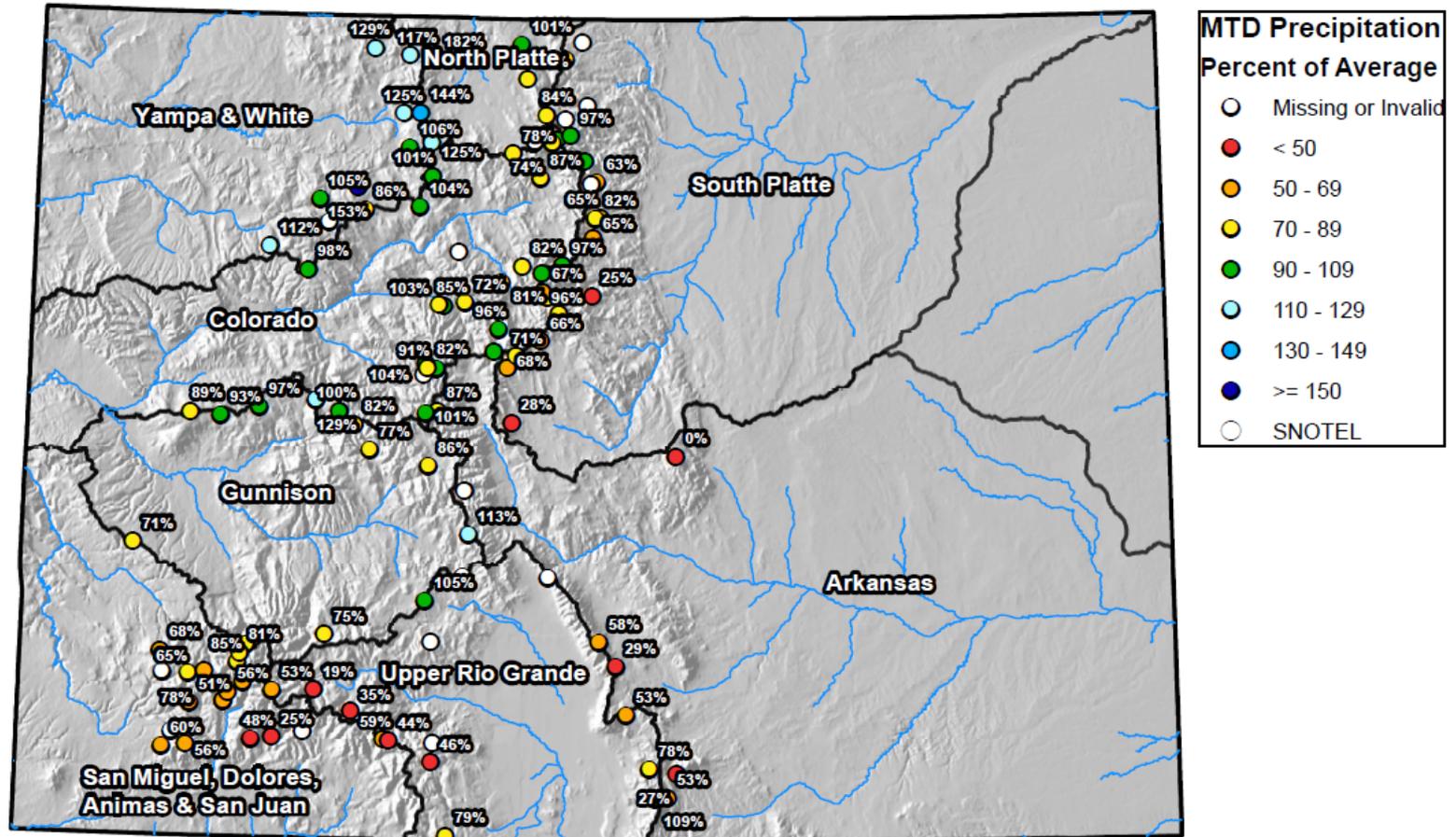
Colorado Statewide High/Low Monthly Precipitation Summary

Based on Provisional SNOTEL data as of Jan 22, 2020

December PREC
115% of Average
January to date PREC
86% of Average



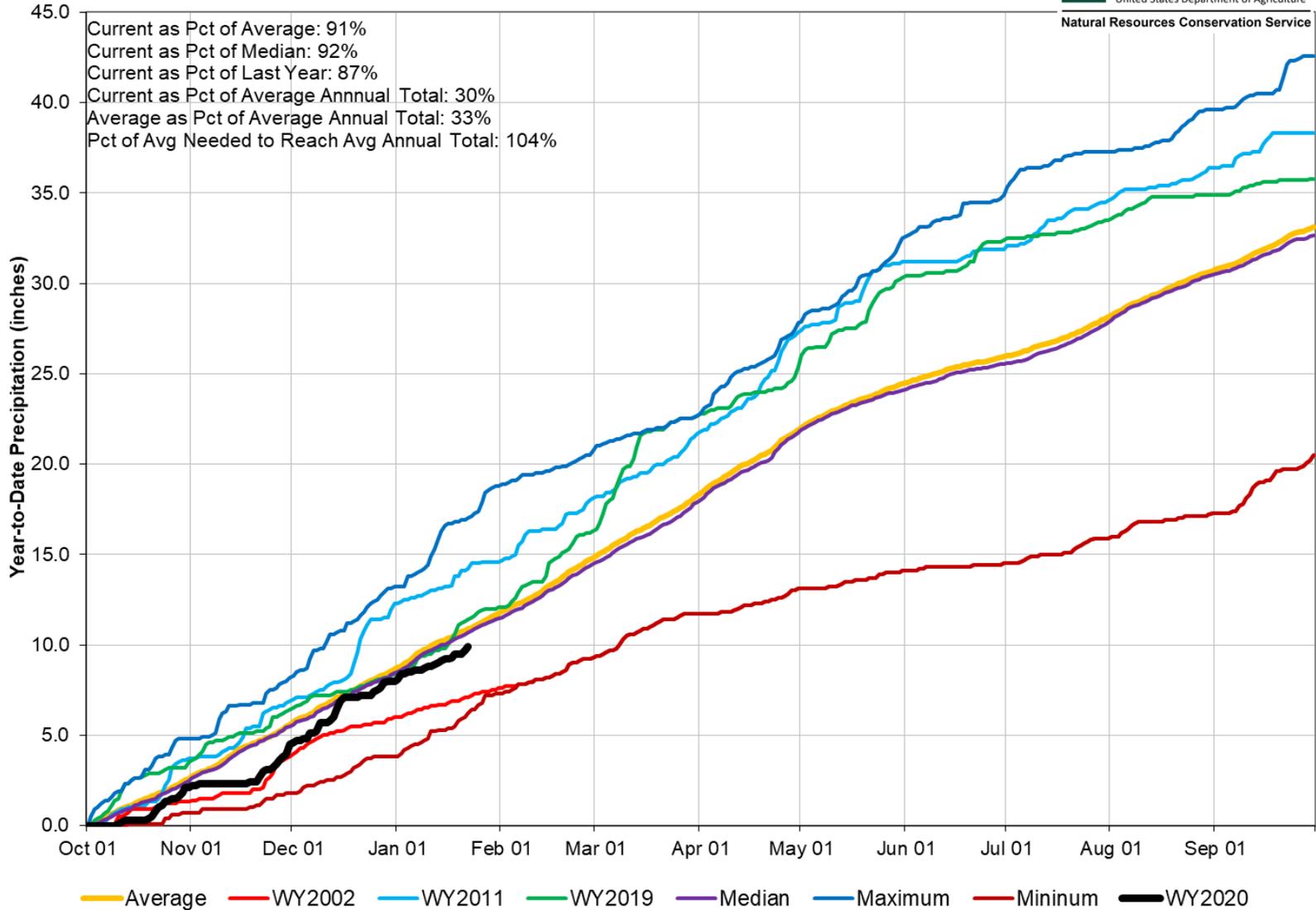
Colorado SNOTEL Month-to-Date Precipitation Current as of Jan 22, 2020



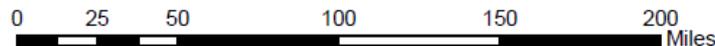
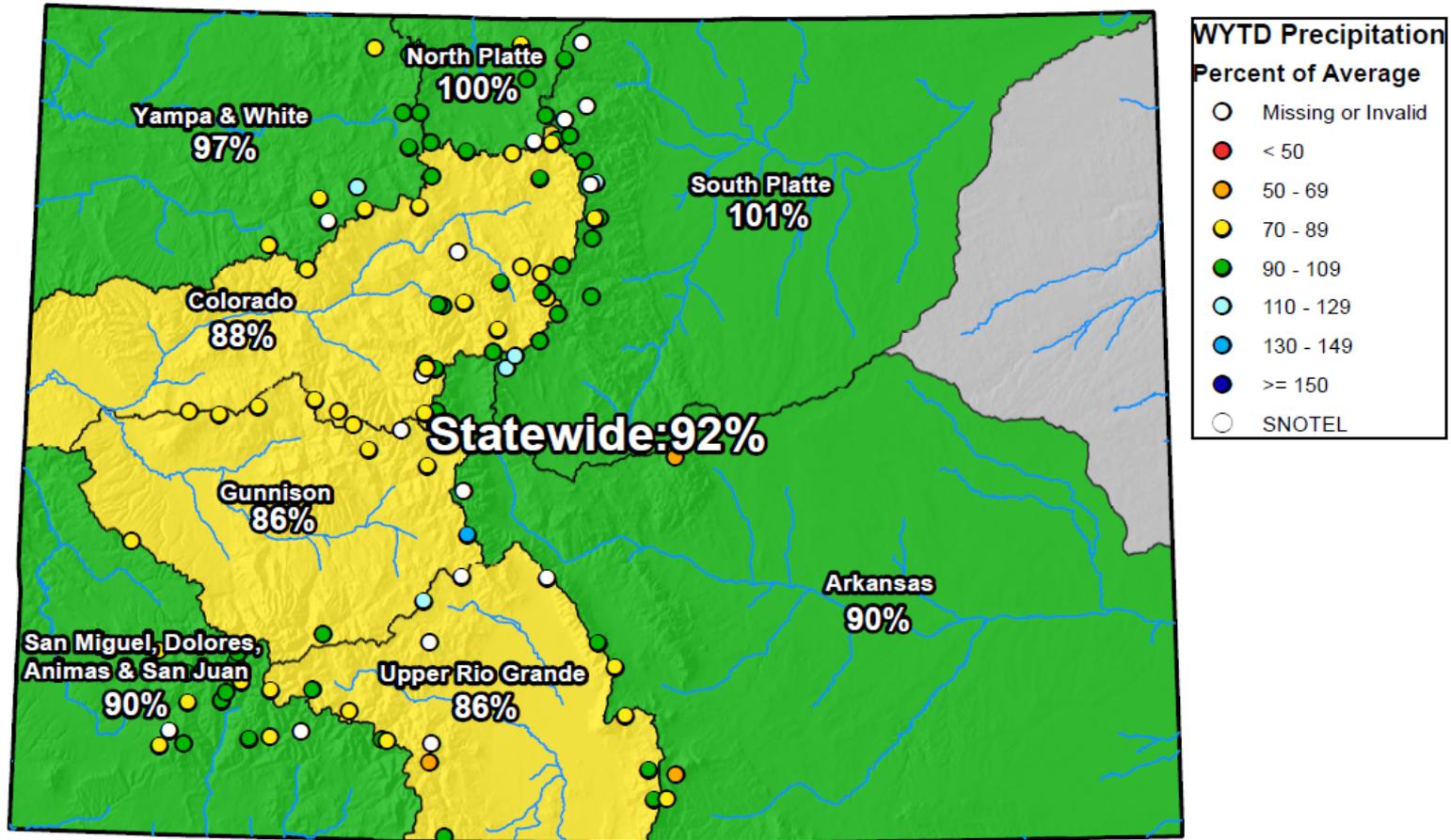


Colorado Statewide High/Low Year-to-Date Precipitation Summary

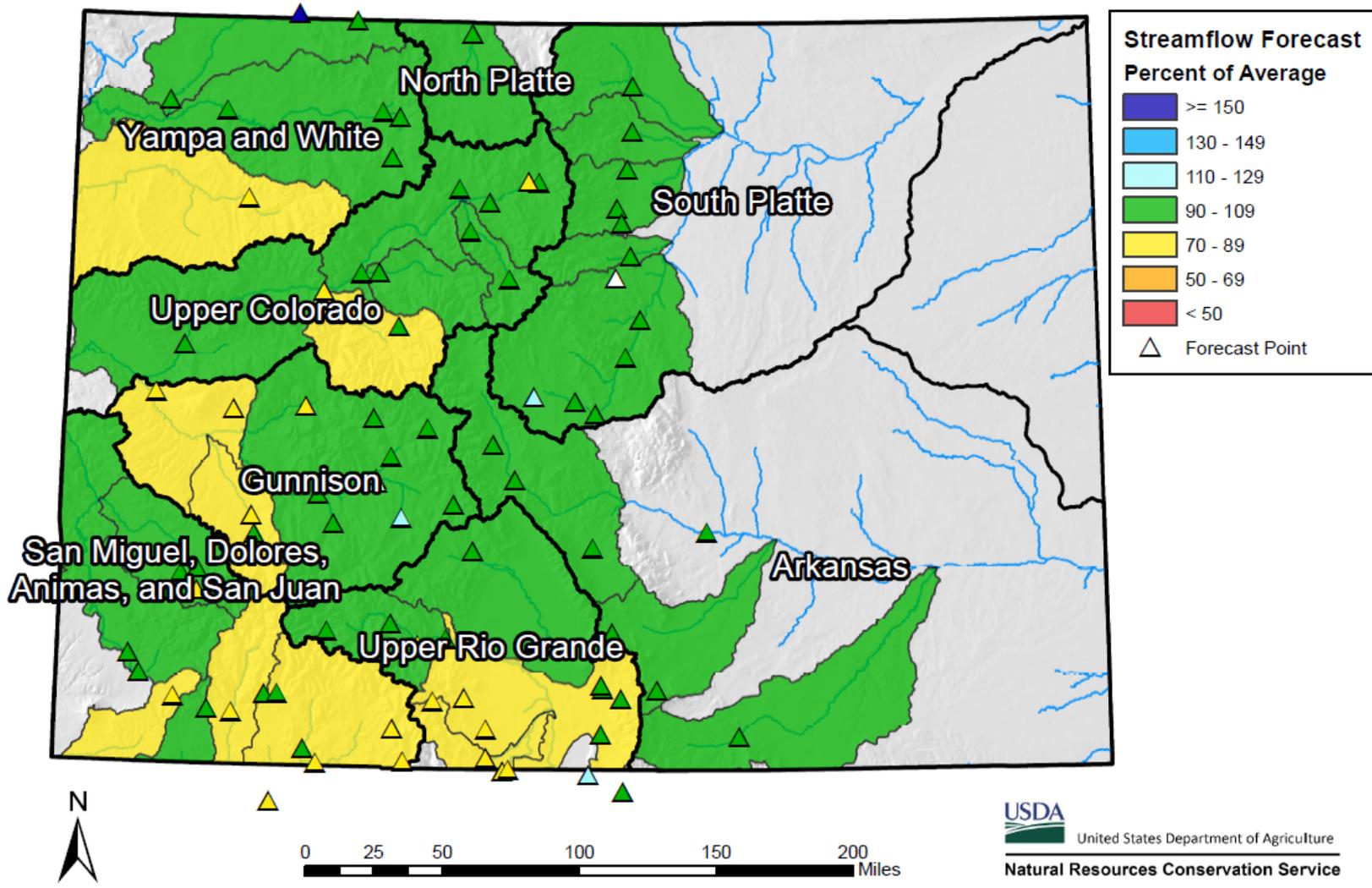
Based on Provisional SNOTEL data as of Jan 22, 2020



Colorado SNOTEL Water Year to Date Precipitation Current as of Jan 22, 2020

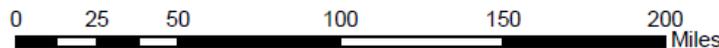
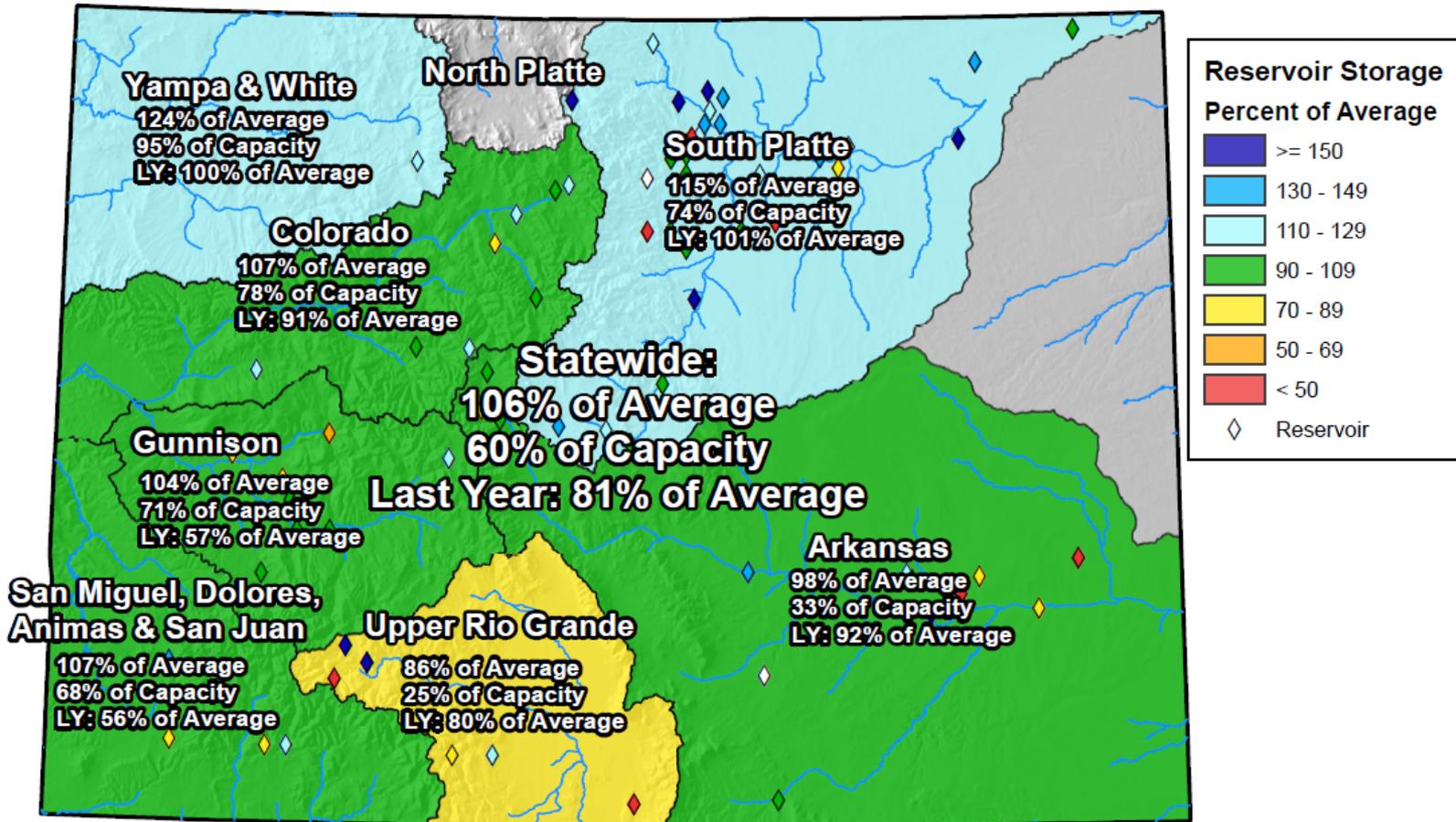


Colorado Streamflow Forecasts Summary January 1, 2020



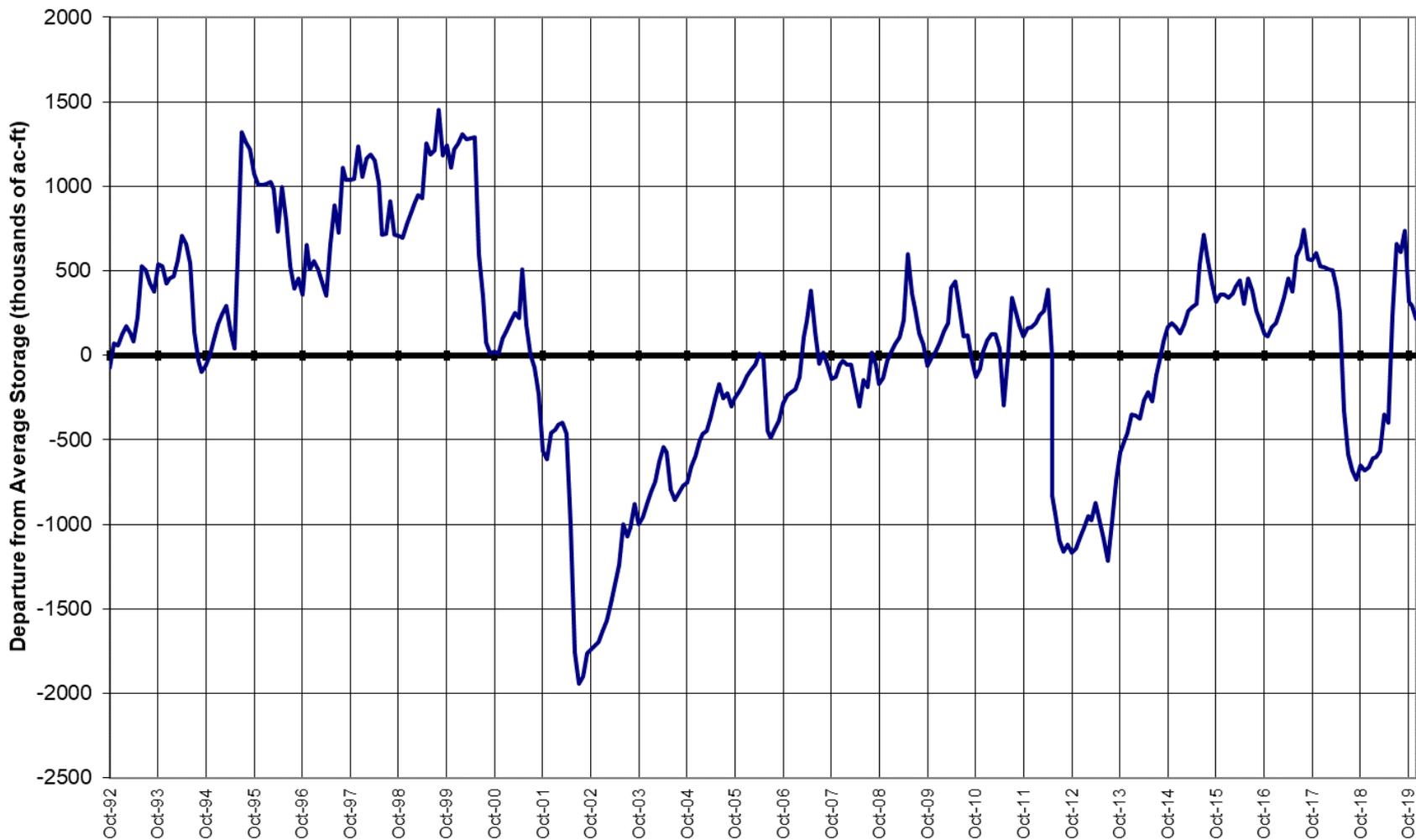
Colorado Monthly Reservoir Storage Summary

End of December 2019





COLORADO STATEWIDE Reservoir Storage Departure from Average



Summary

•Precipitation Statewide

- Water year precipitation increased from 81 to 92 percent of average from December 1st to January 1st
- Month to date precipitation has been variable across the state with southern Colorado being notably more dry

•Reservoir storage remains above average in all major basins except for the Rio Grande and Arkansas (barely below)

- Ranging from 86-126 percent of average storage and is 106 percent of average statewide

•Statewide snowpack is 113 percent of normal after notable accumulations in December and all basins are in a close range

•90 percent of streamflow forecasts across the state are in the range of 85 to 115 percent of average values



Water Availability Task Force Meeting

January 23rd, 2020

NRCS Snow Survey and Water Supply Forecasting Program

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



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