



Water Availability Task Force Meeting

May 28th, 2020

NRCS Snow Survey and Water Supply Forecasting Program

Brian Domonkos

Hydrologist

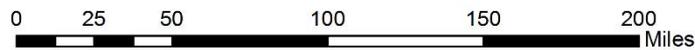
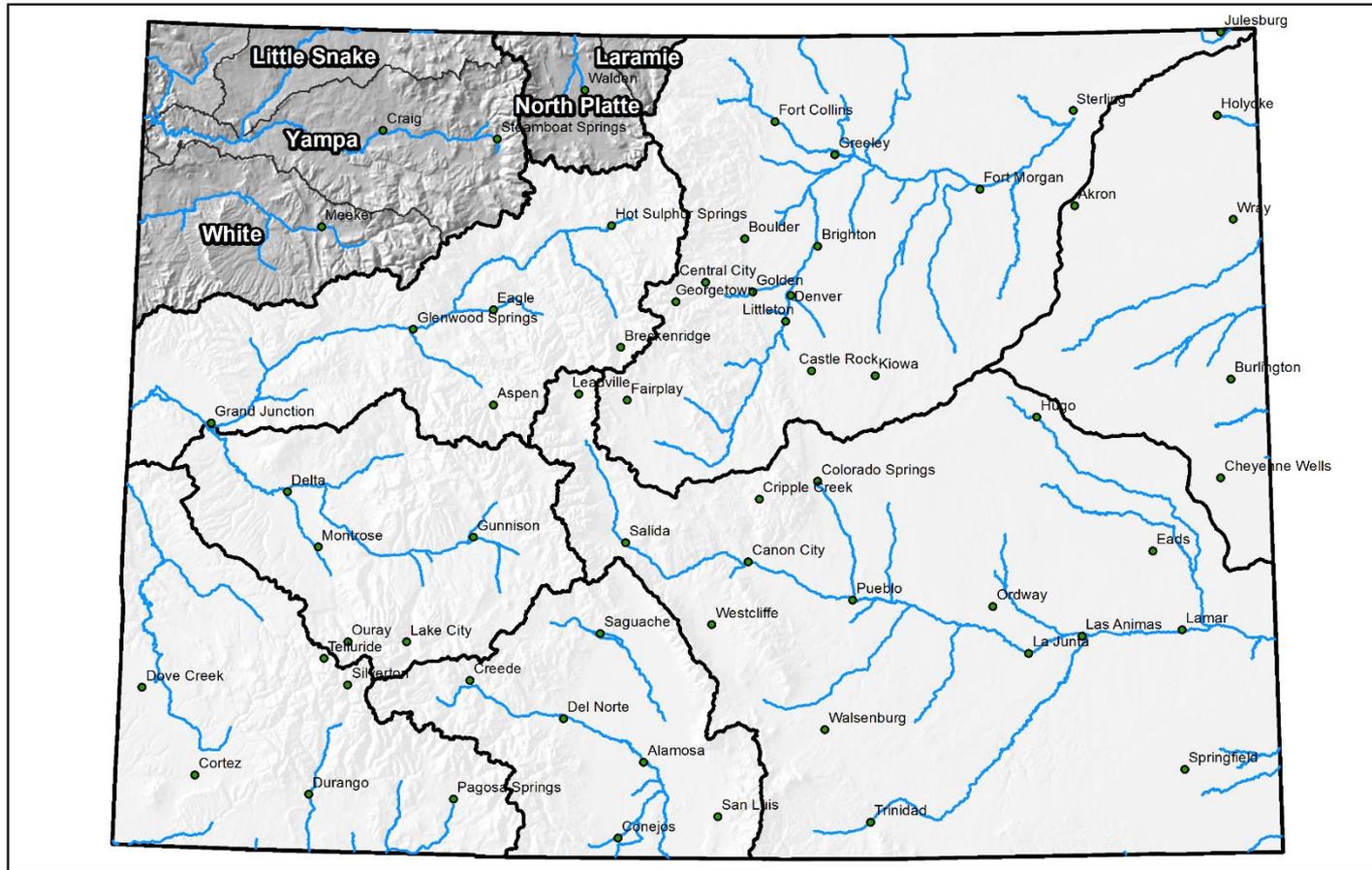
Colorado Snow Survey Supervisor

720-544-2852

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

Major Basin Summary

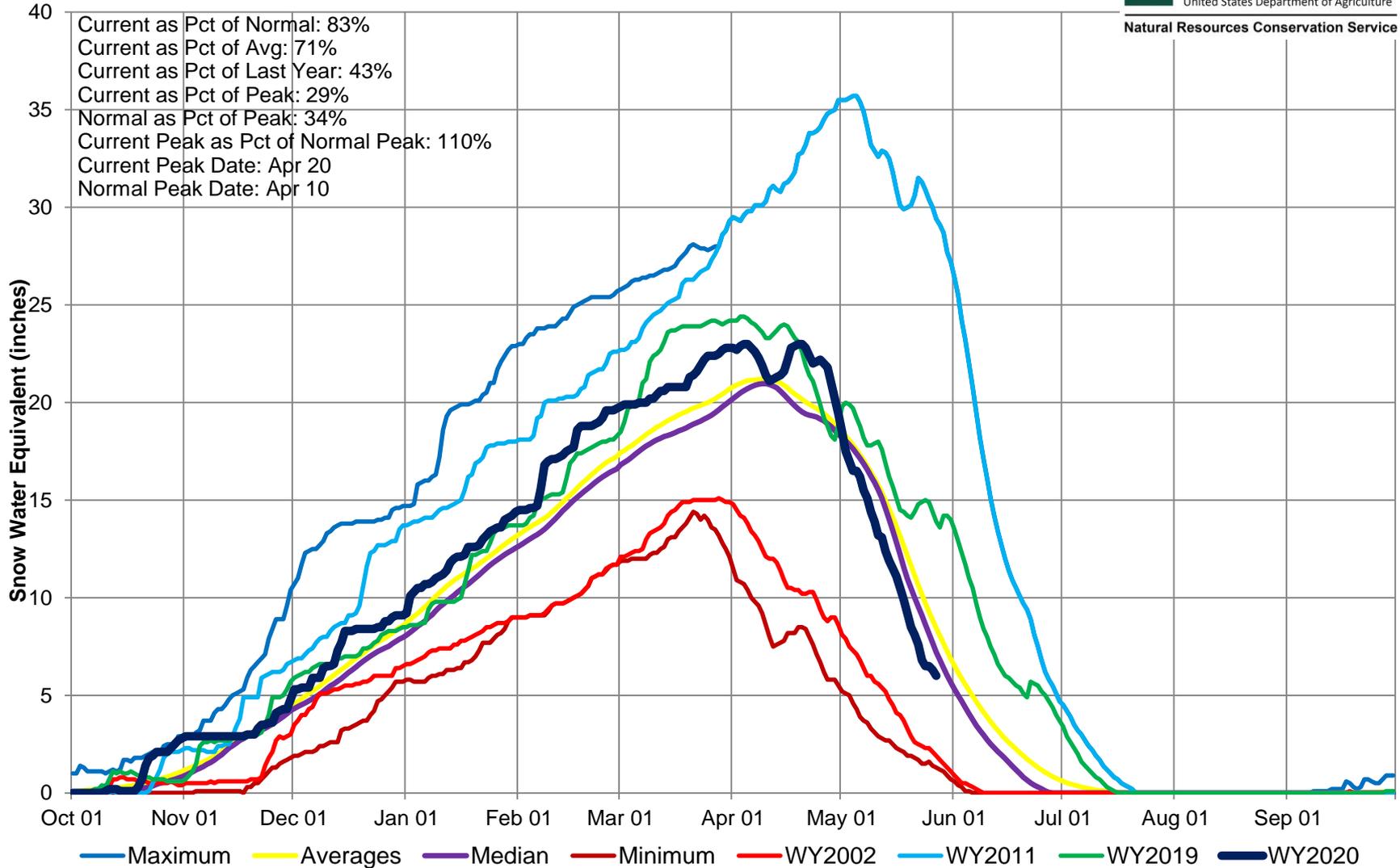
Yampa, White, and North Platte River Basins





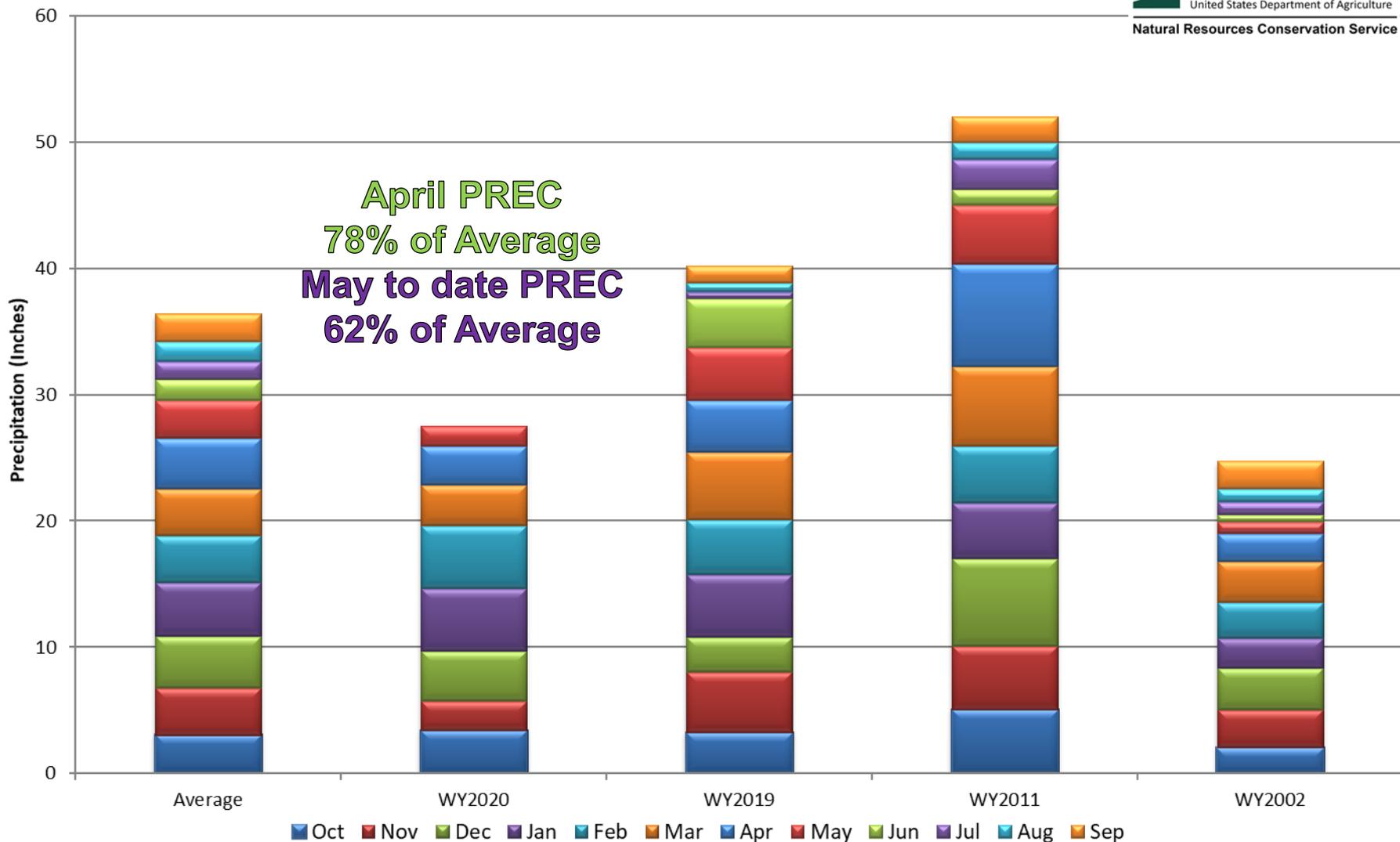
Yampa and White River Basins High/Low Snowpack Summary

Based on Provisional SNOTEL data as of May 27, 2020

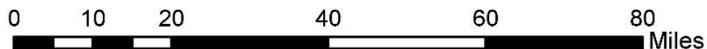
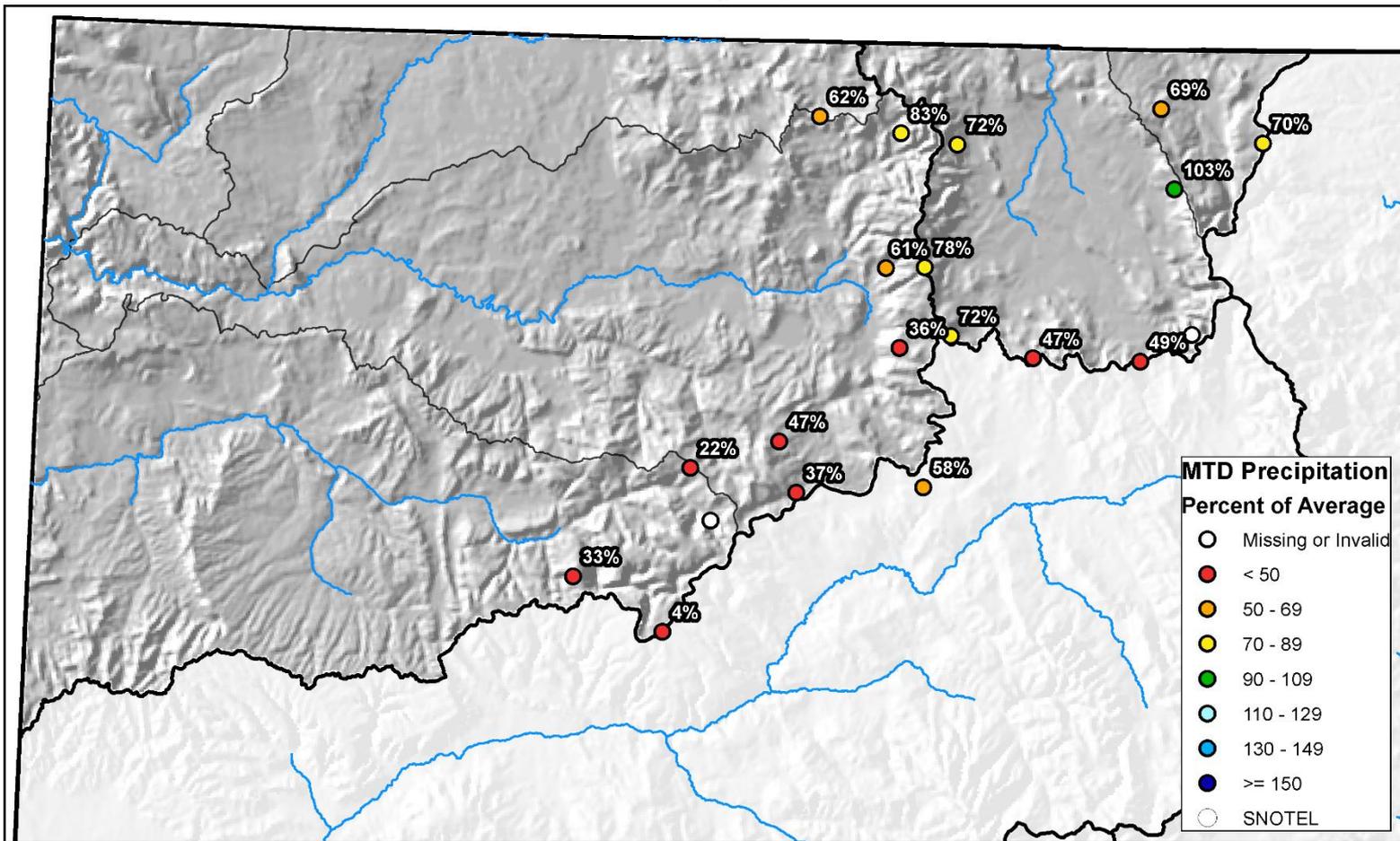


Yampa and White River Basins High/Low Monthly Precipitation Summary

Based on Provisional SNOTEL data as of May 27, 2020

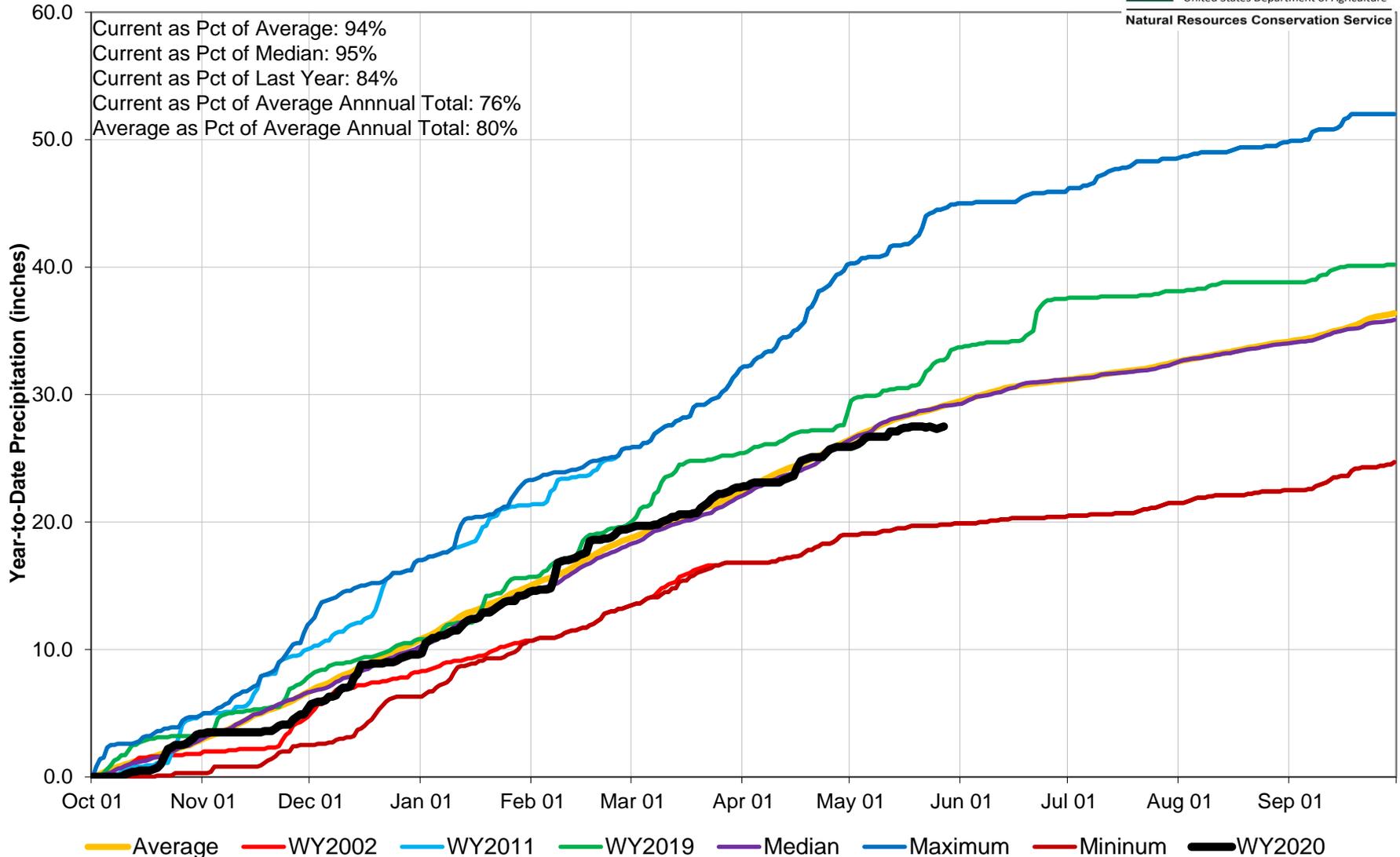


Yampa, White, and North Platte River Basins Month to Date Precipitation Summary Current as of May 27, 2020

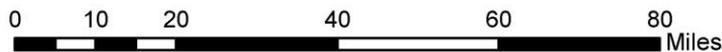
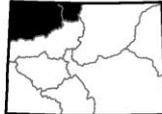
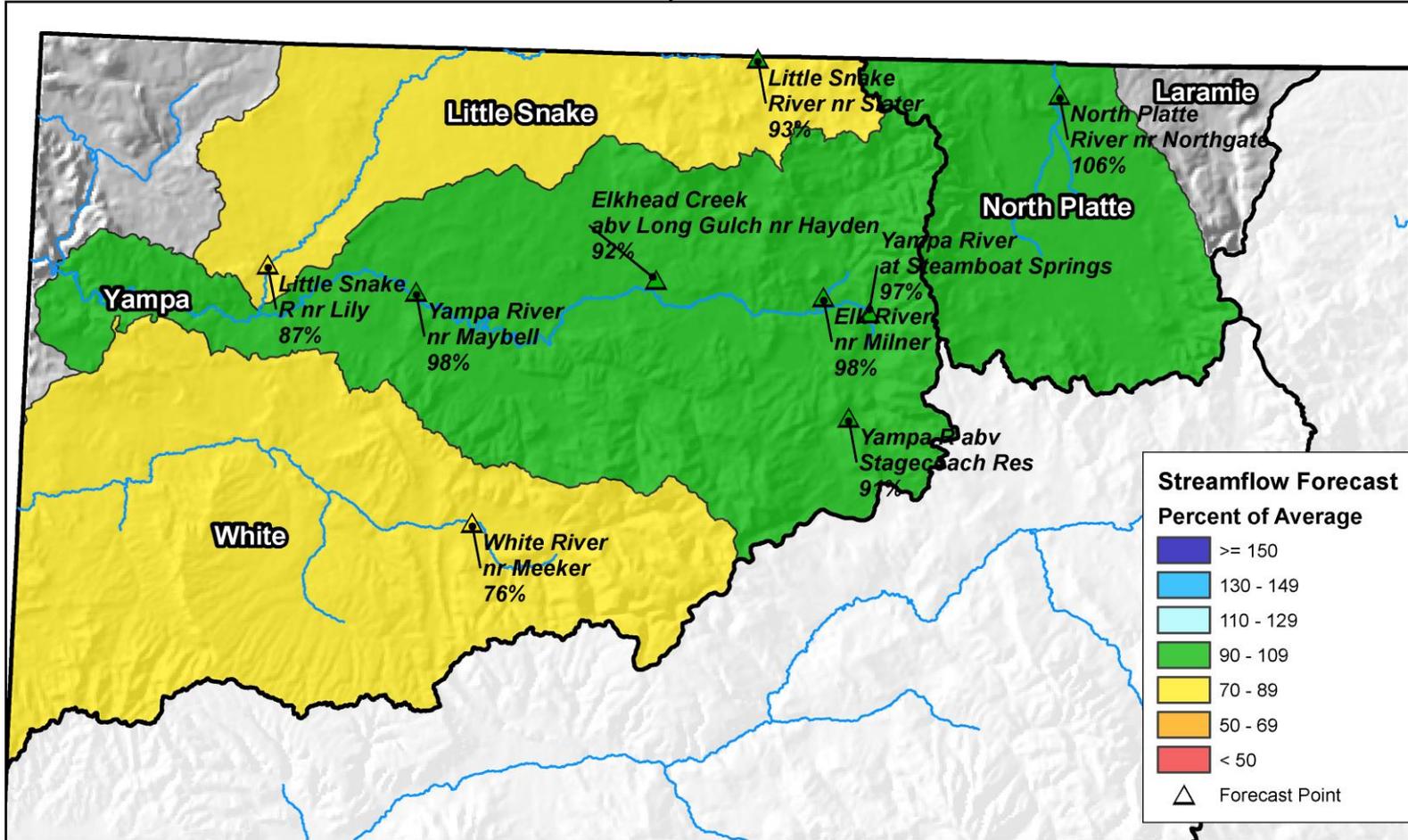


Yampa and White River Basins High/Low Year-to-Date Precipitation Summary

Based on Provisional SNOTEL data as of May 27, 2020



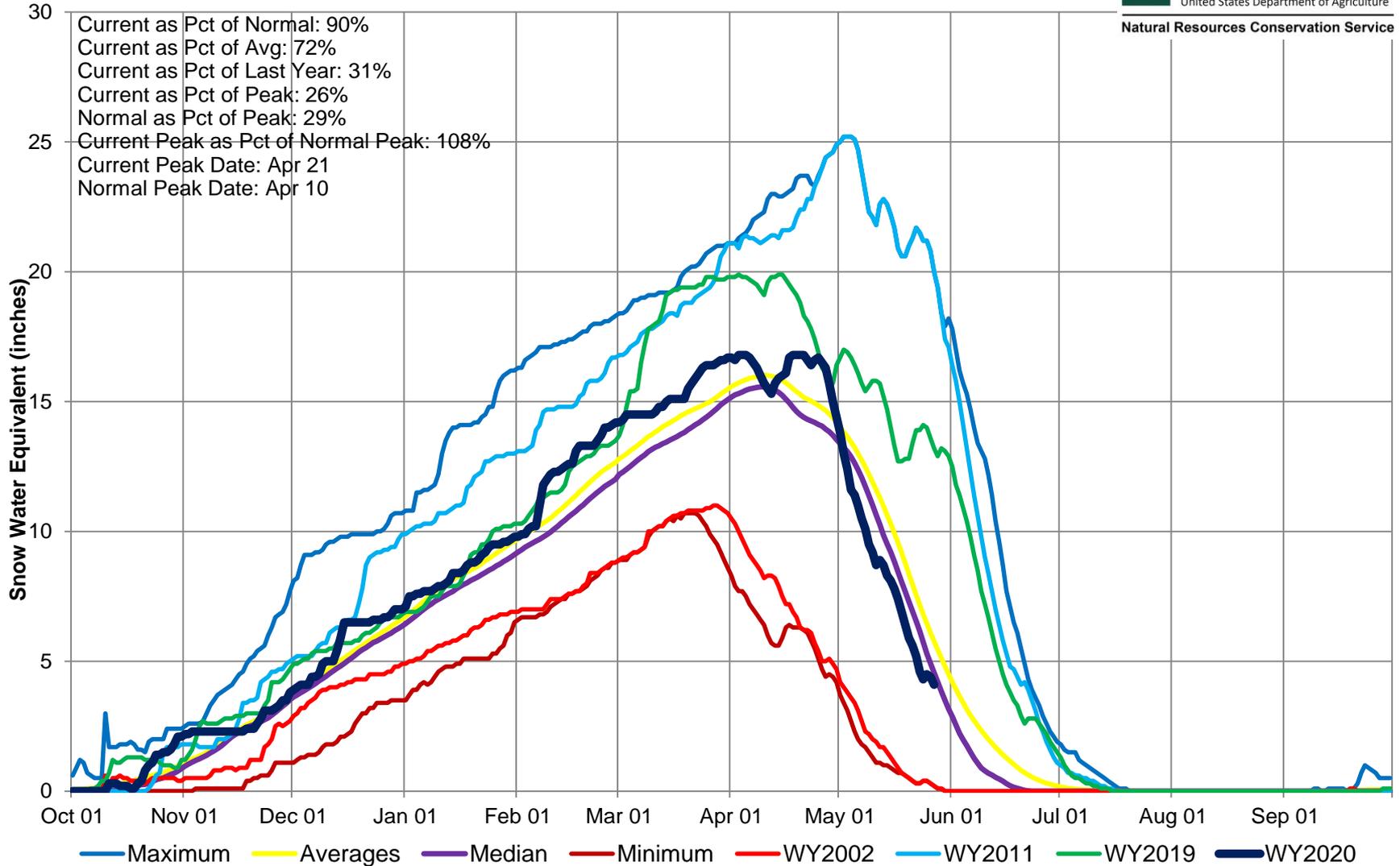
Yampa, White, and North Platte River Basins Streamflow Forecast Summary May 1, 2020





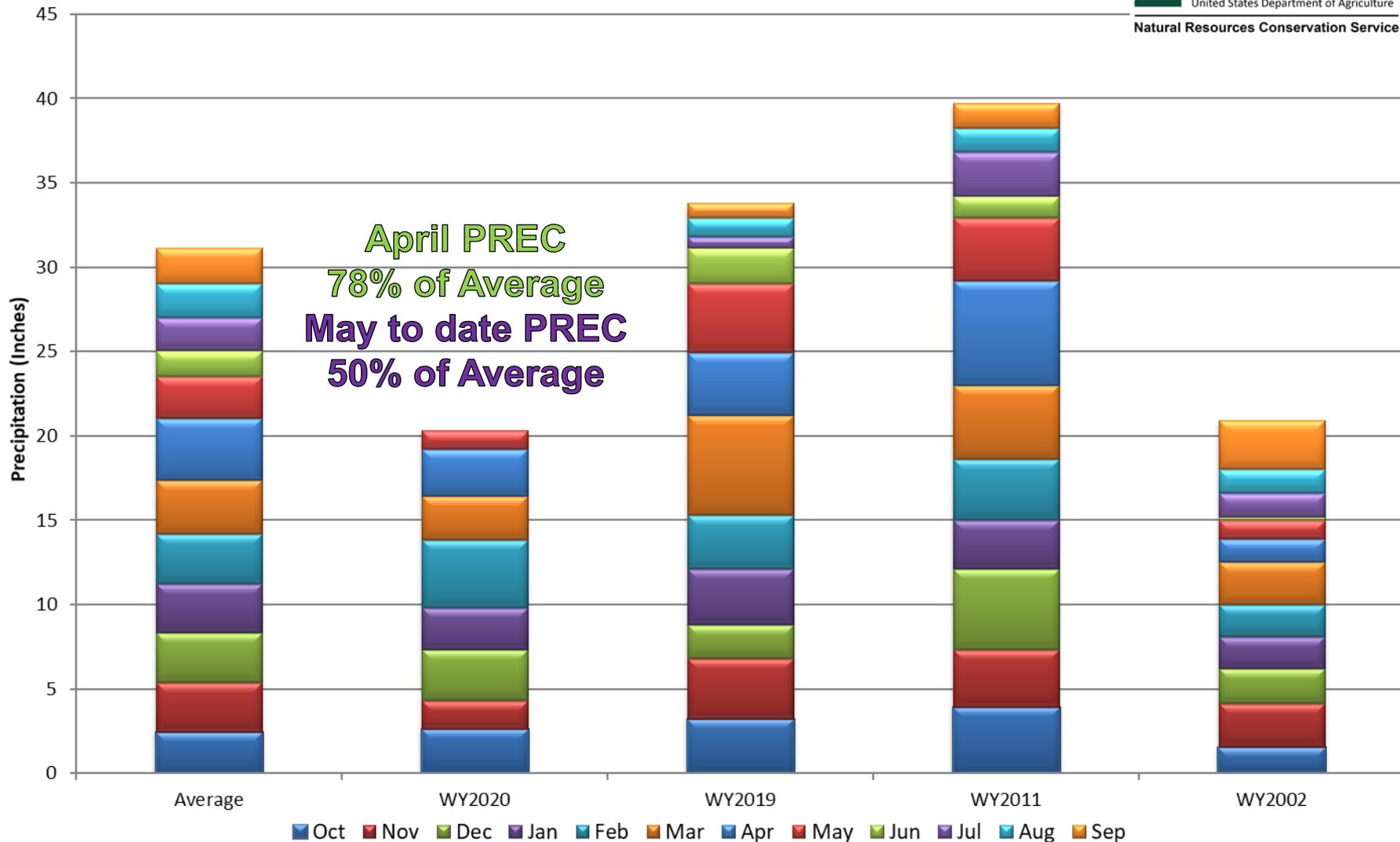
Upper Colorado River Basin High/Low Snowpack Summary

Based on Provisional SNOTEL data as of May 27, 2020

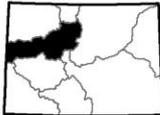
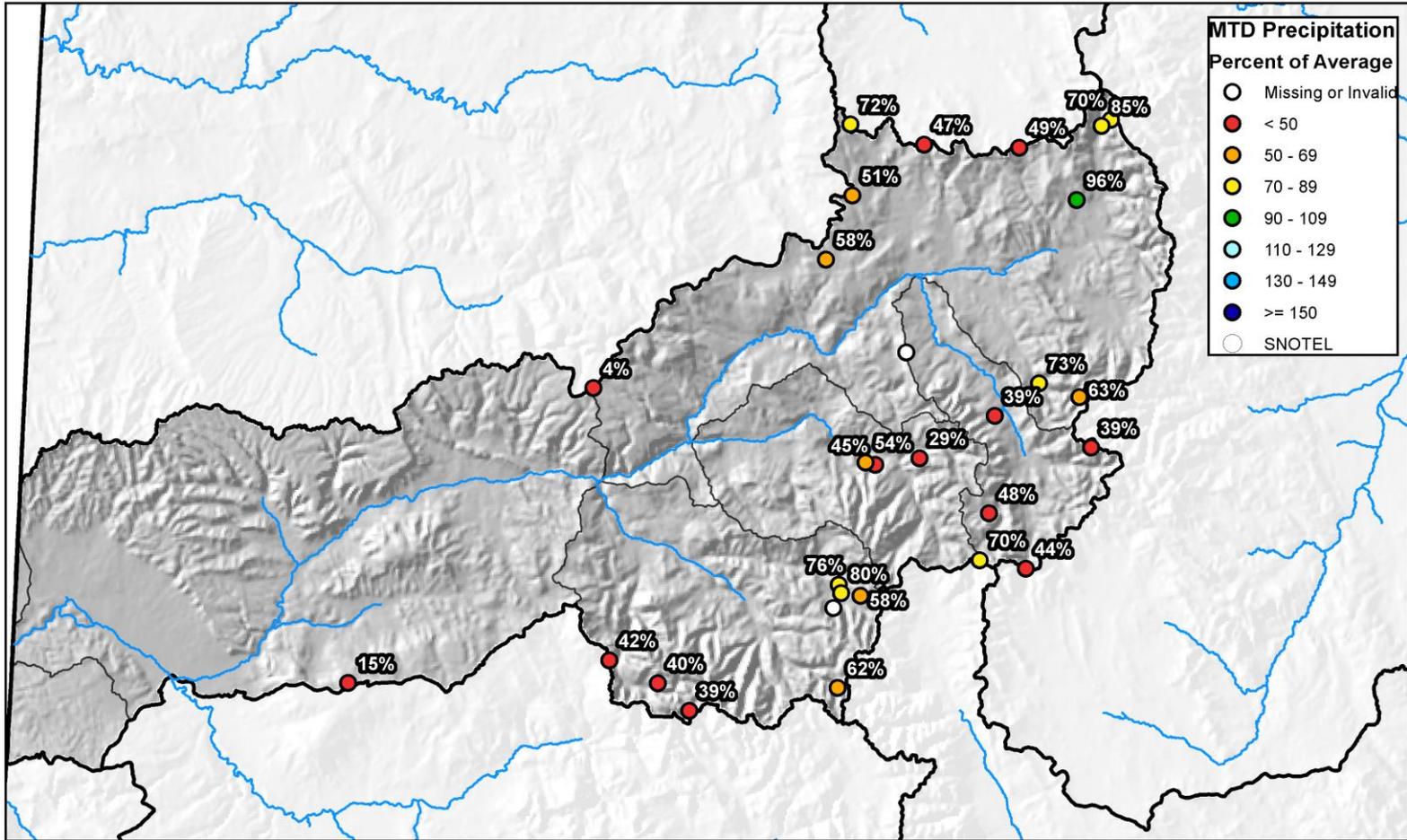


Upper Colorado River Basin High/Low Monthly Precipitation Summary

Based on Provisional SNOTEL data as of May 27, 2020



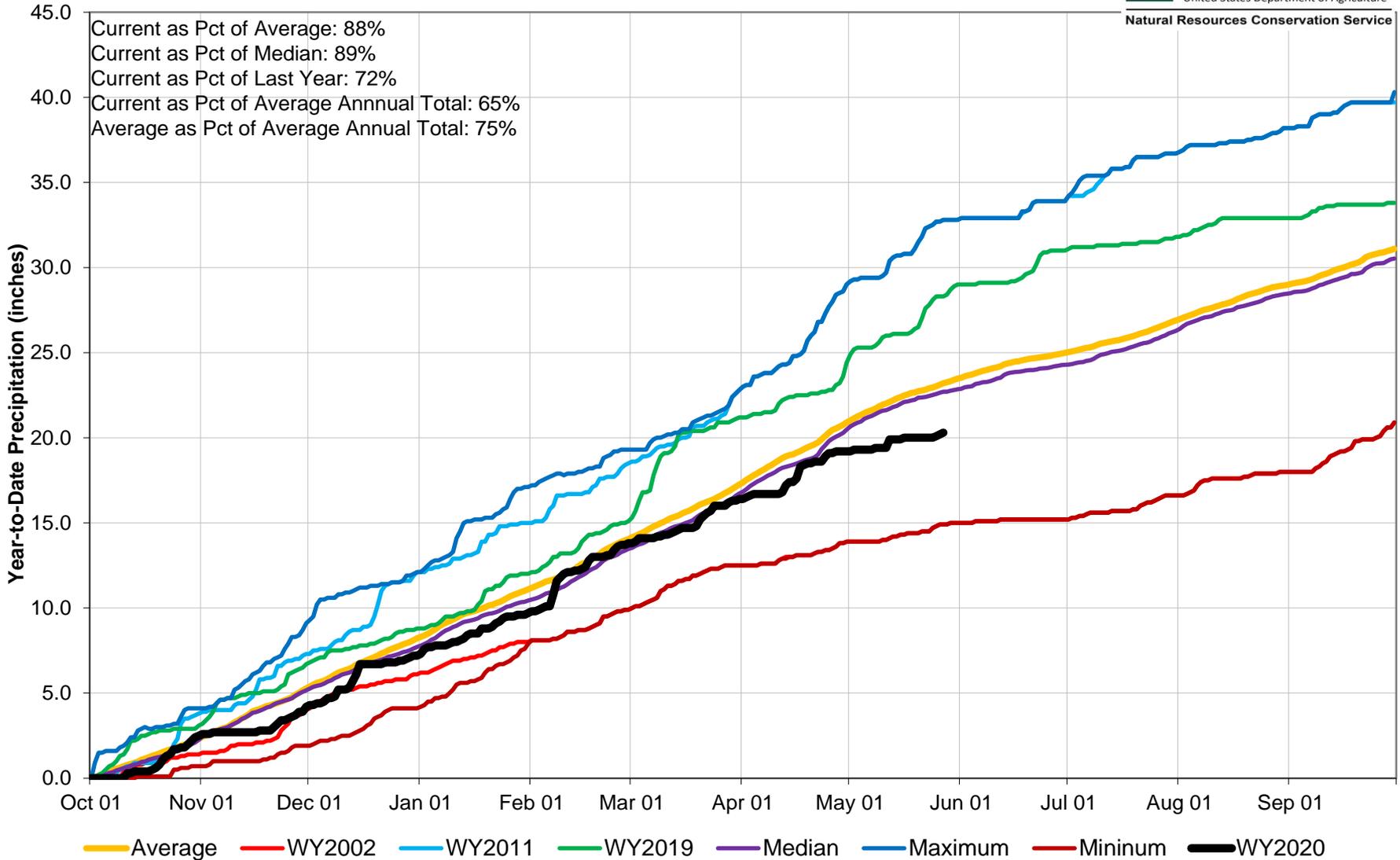
Upper Colorado River Basin Month to Date Precipitation Summary Current as of May 27, 2020



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

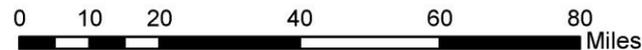
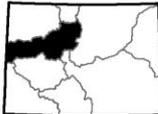
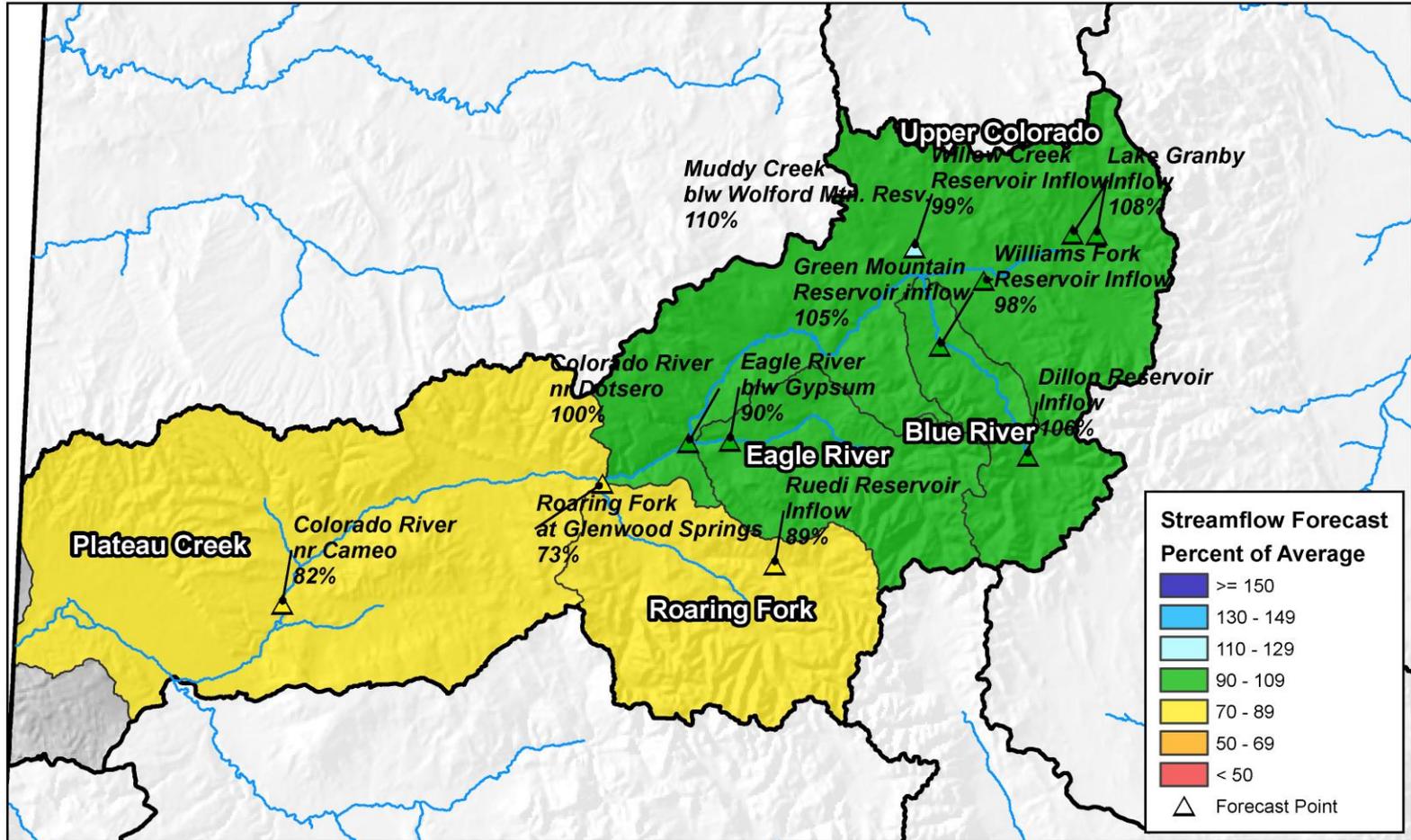
Based on Provisional SNOTEL data as of May 27, 2020

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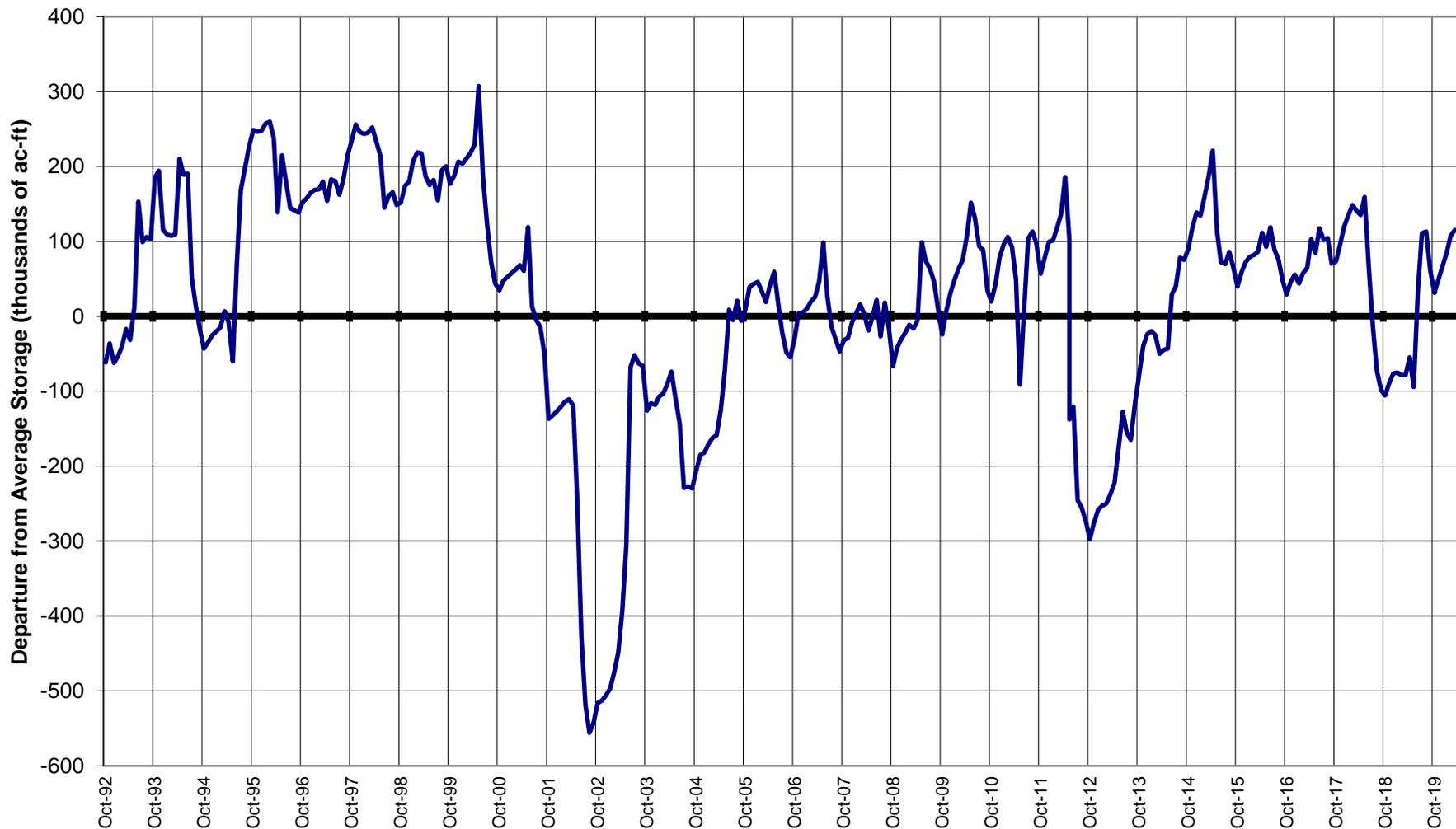
Upper Colorado River Basin Streamflow Forecast Summary

May 1, 2020



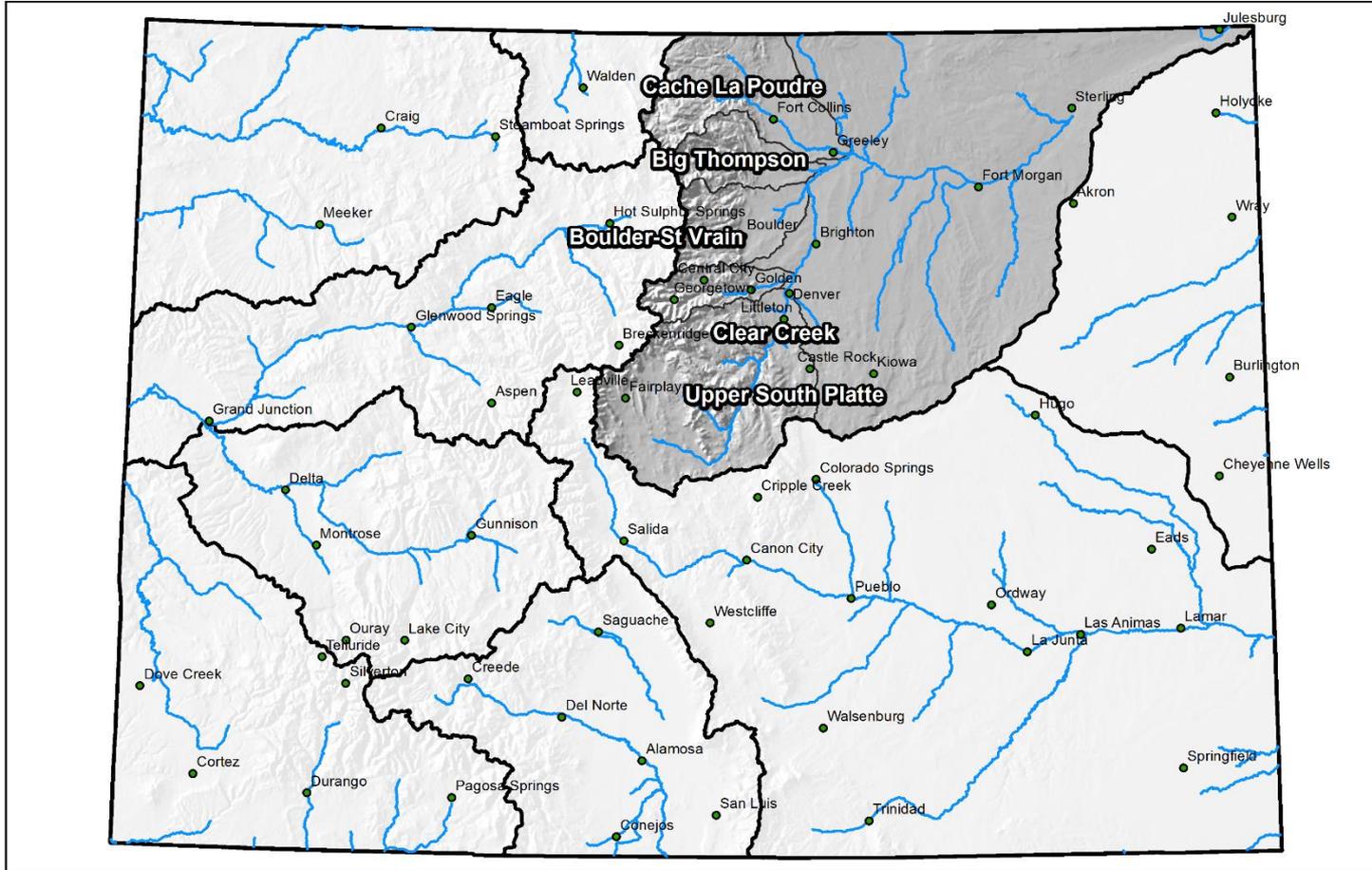


COLORADO RIVER BASIN Reservoir Storage Departure from Average



Major Basin Summary

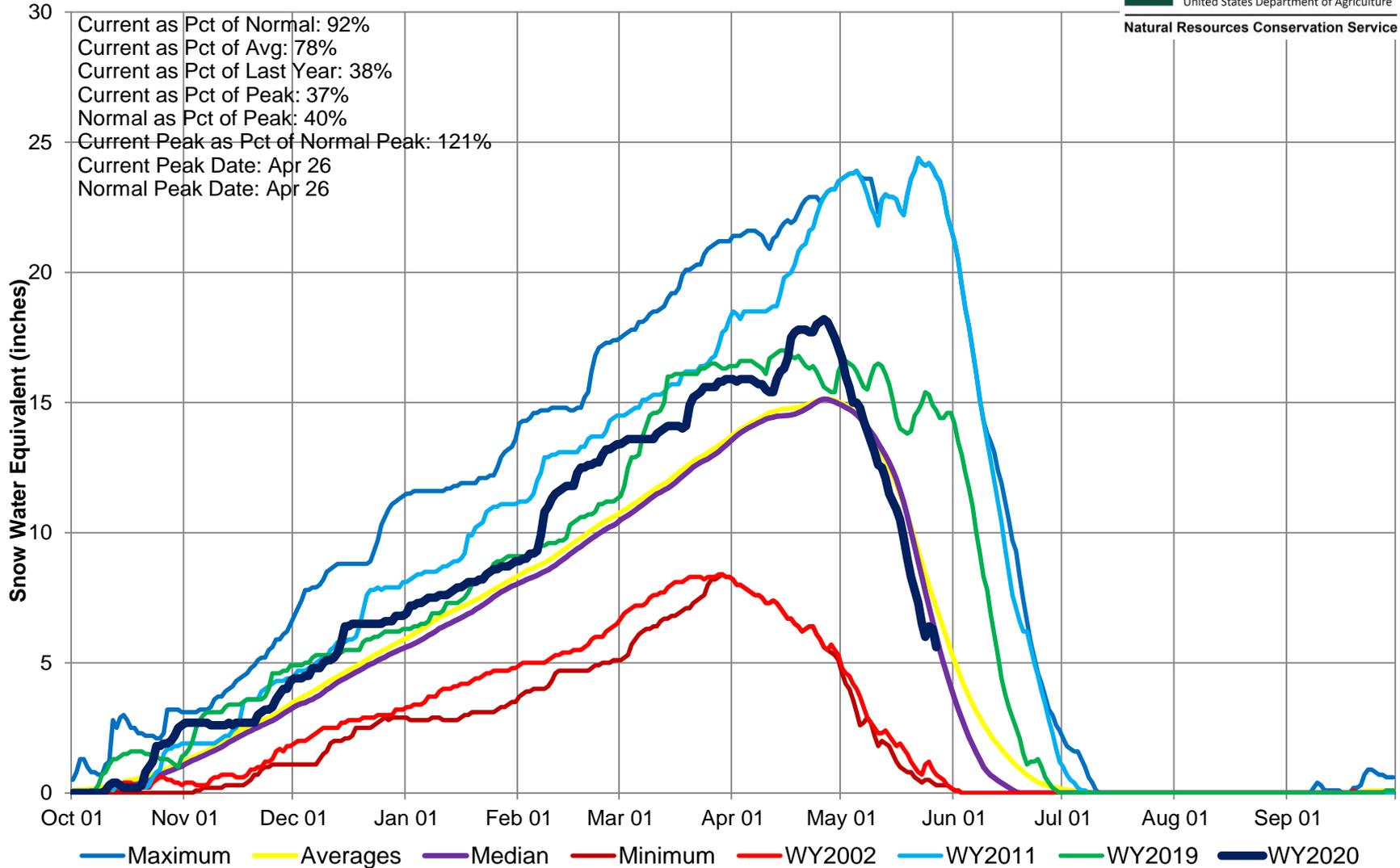
South Platte River Basin





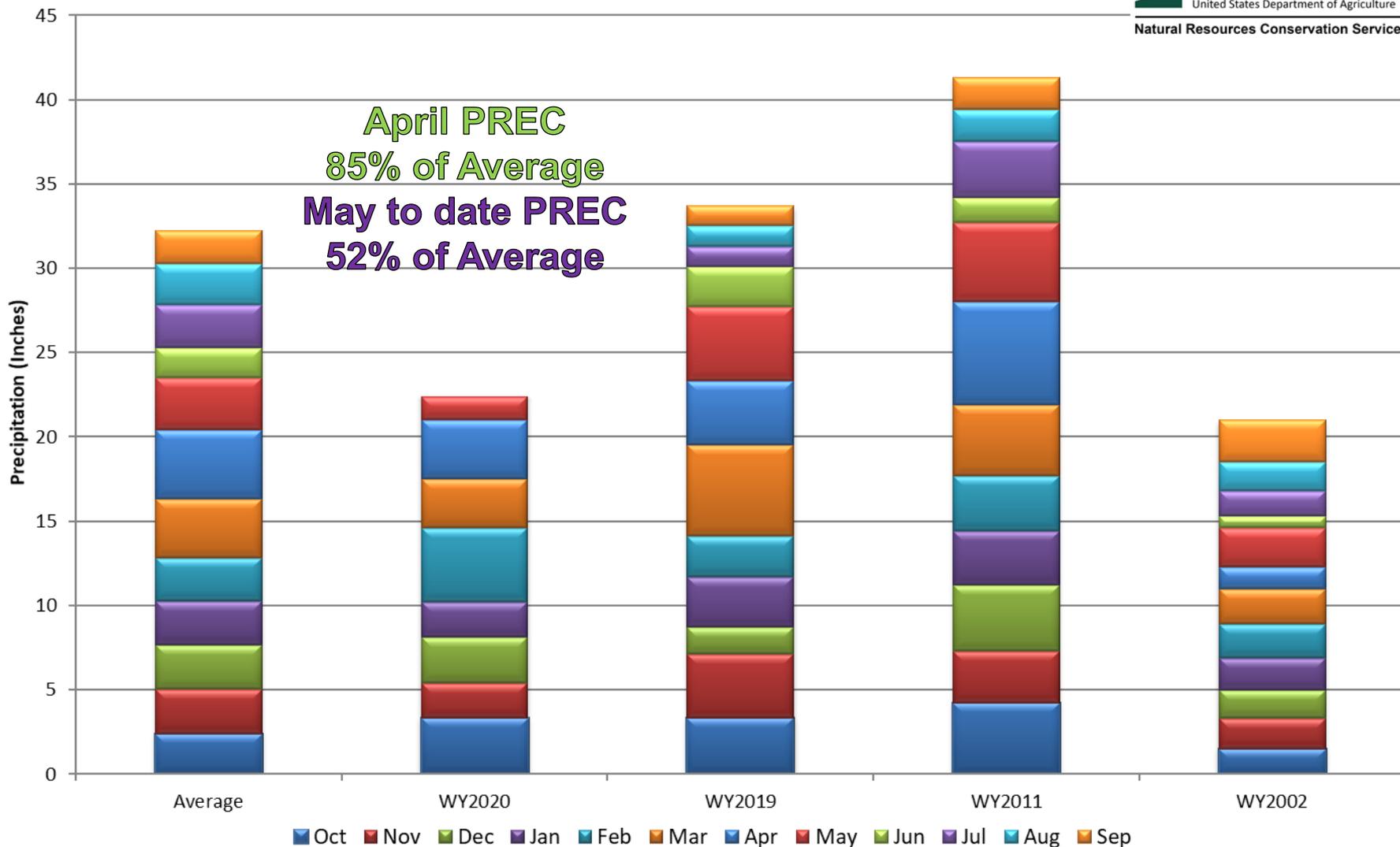
South Platte River Basin High/Low Snowpack Summary

Based on Provisional SNOTEL data as of May 27, 2020



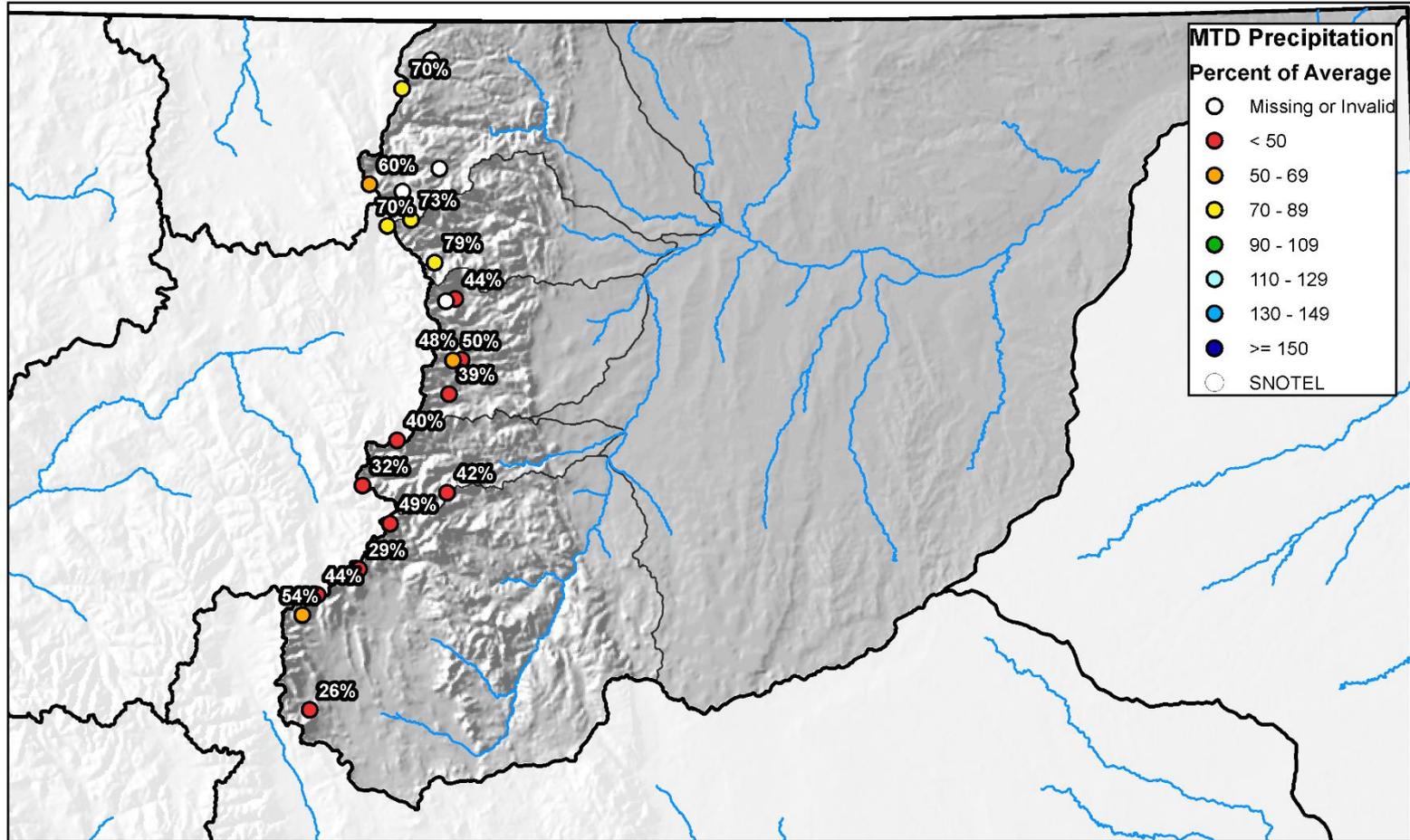
South Platte River Basin High/Low Monthly Precipitation Summary

Based on Provisional SNOTEL data as of May 27, 2020



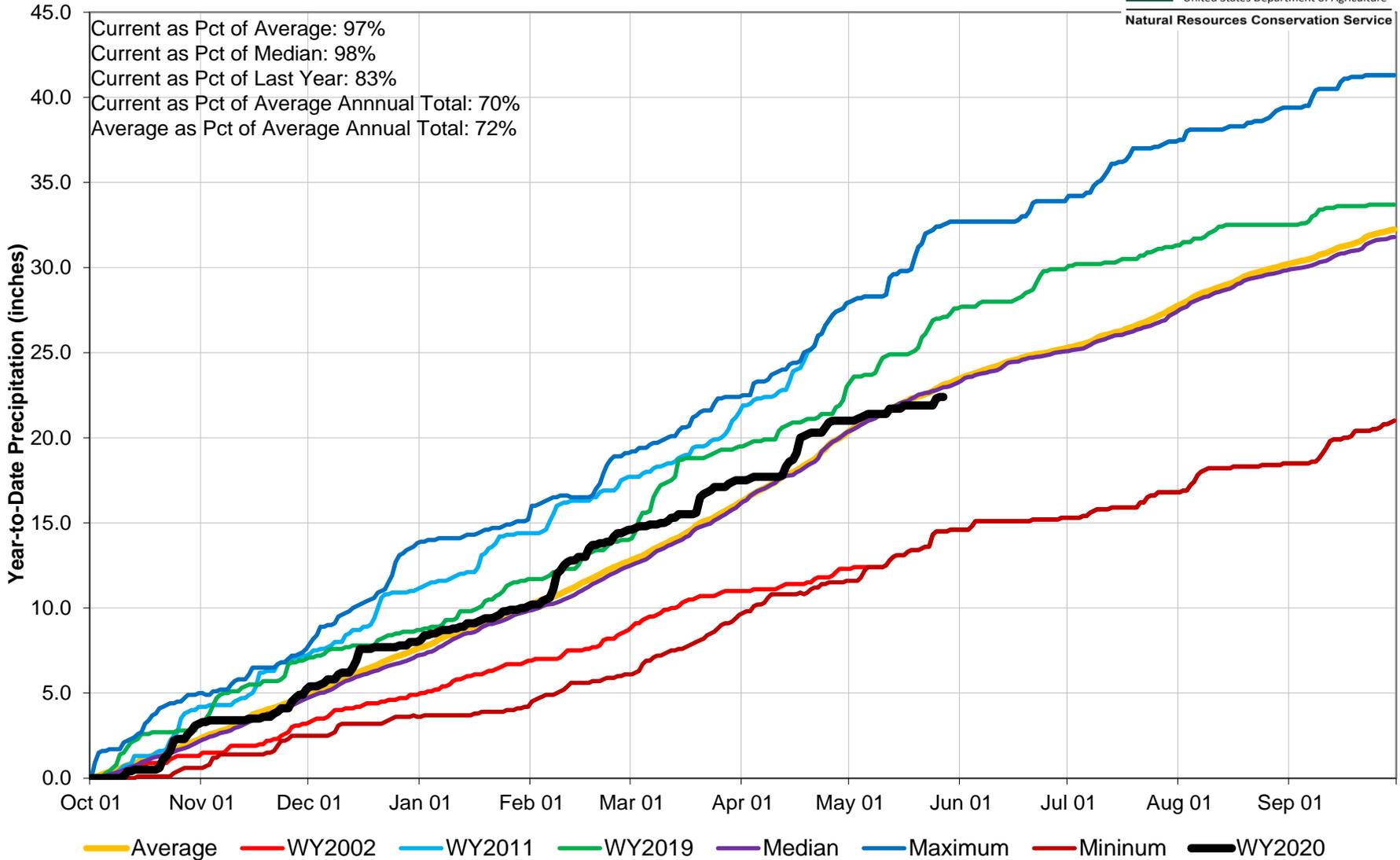
South Platte River Basin Month to Date Precipitation Summary

Current as of May 27, 2020



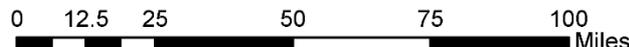
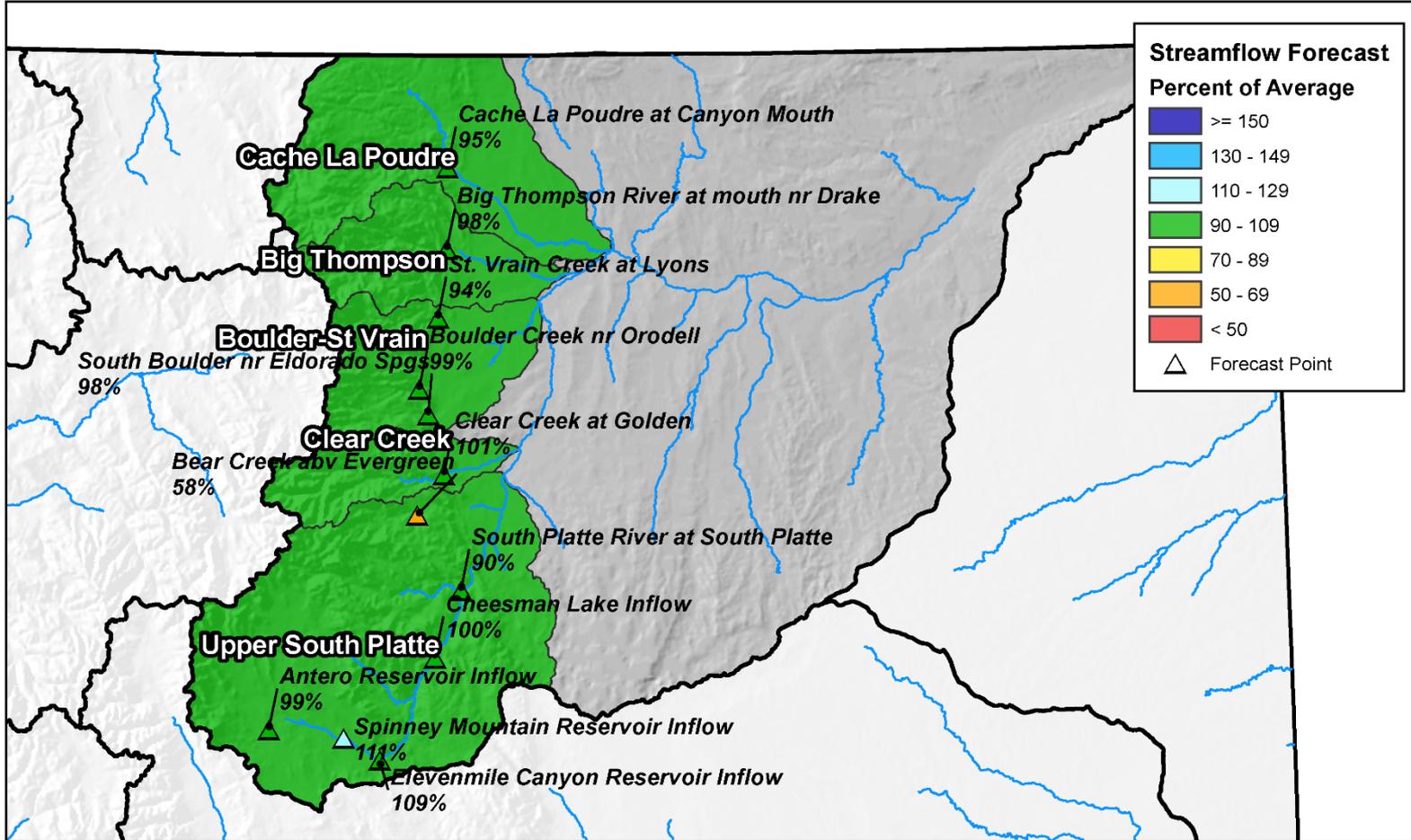
South Platte River Basin High/Low Year-to-Date Precipitation Summary

Based on Provisional SNOTEL data as of May 27, 2020



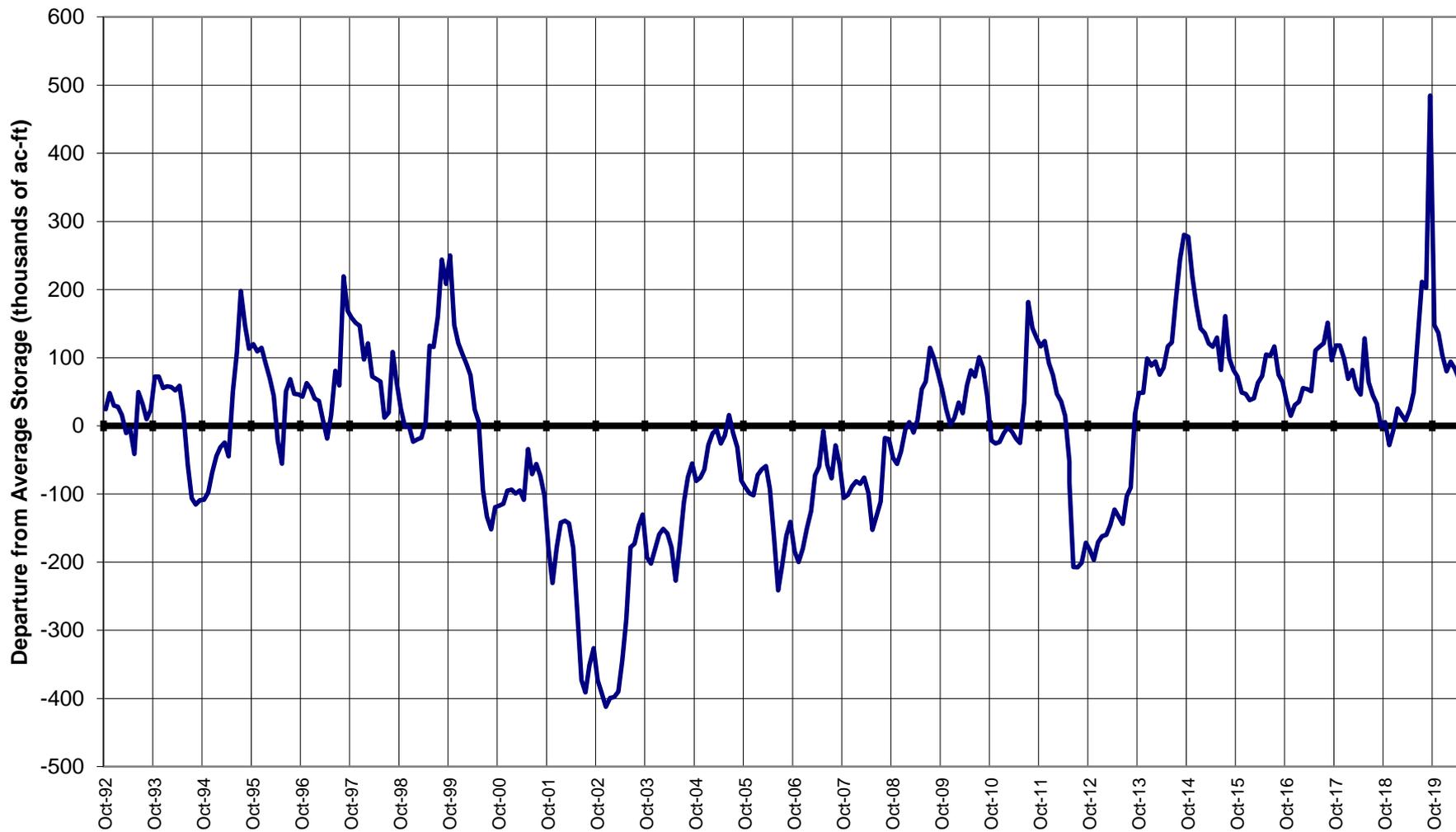
South Platte River Basin Streamflow Forecast Summary

May 1, 2020



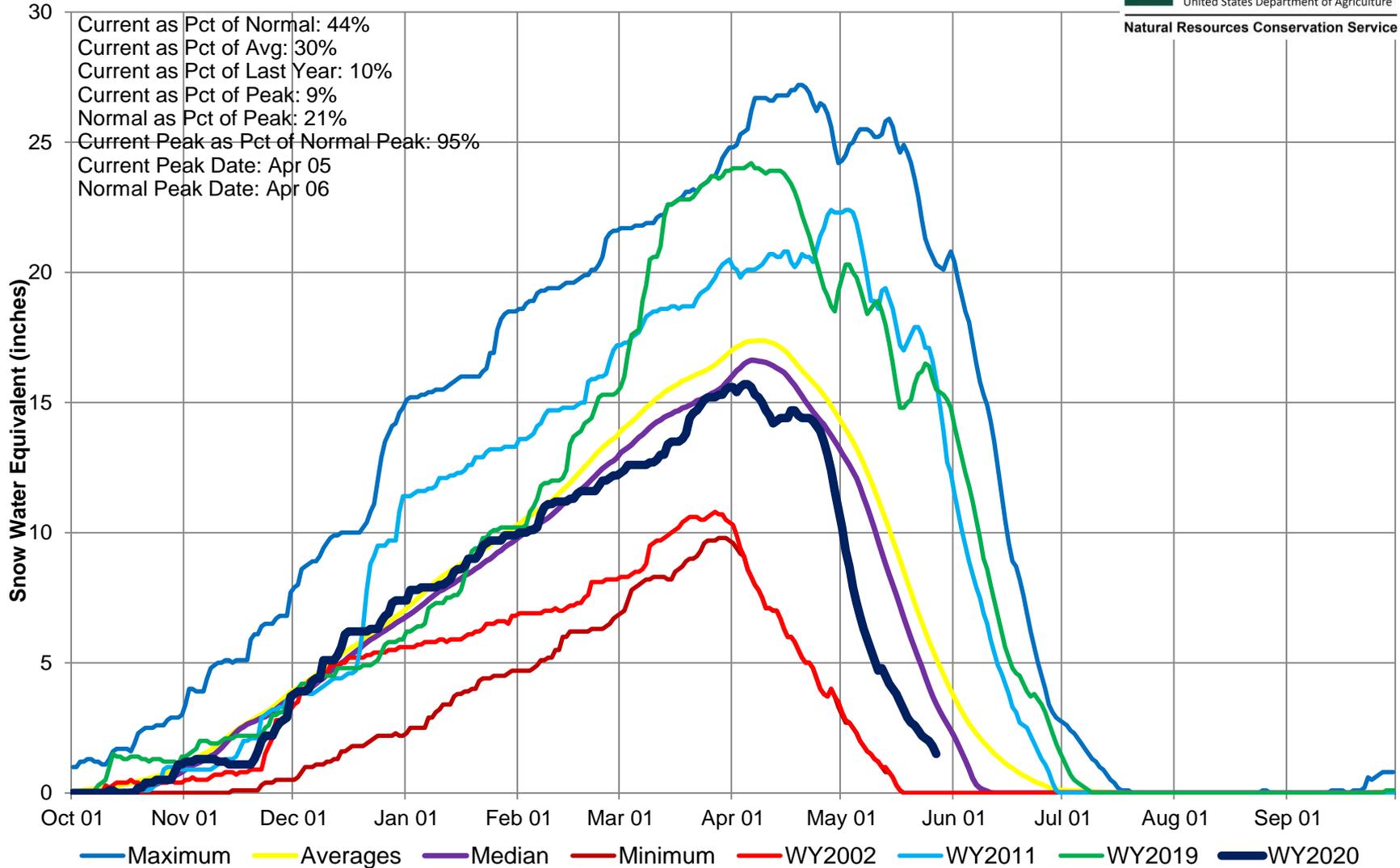


SOUTH PLATTE RIVER BASIN Reservoir Storage Departure from Average



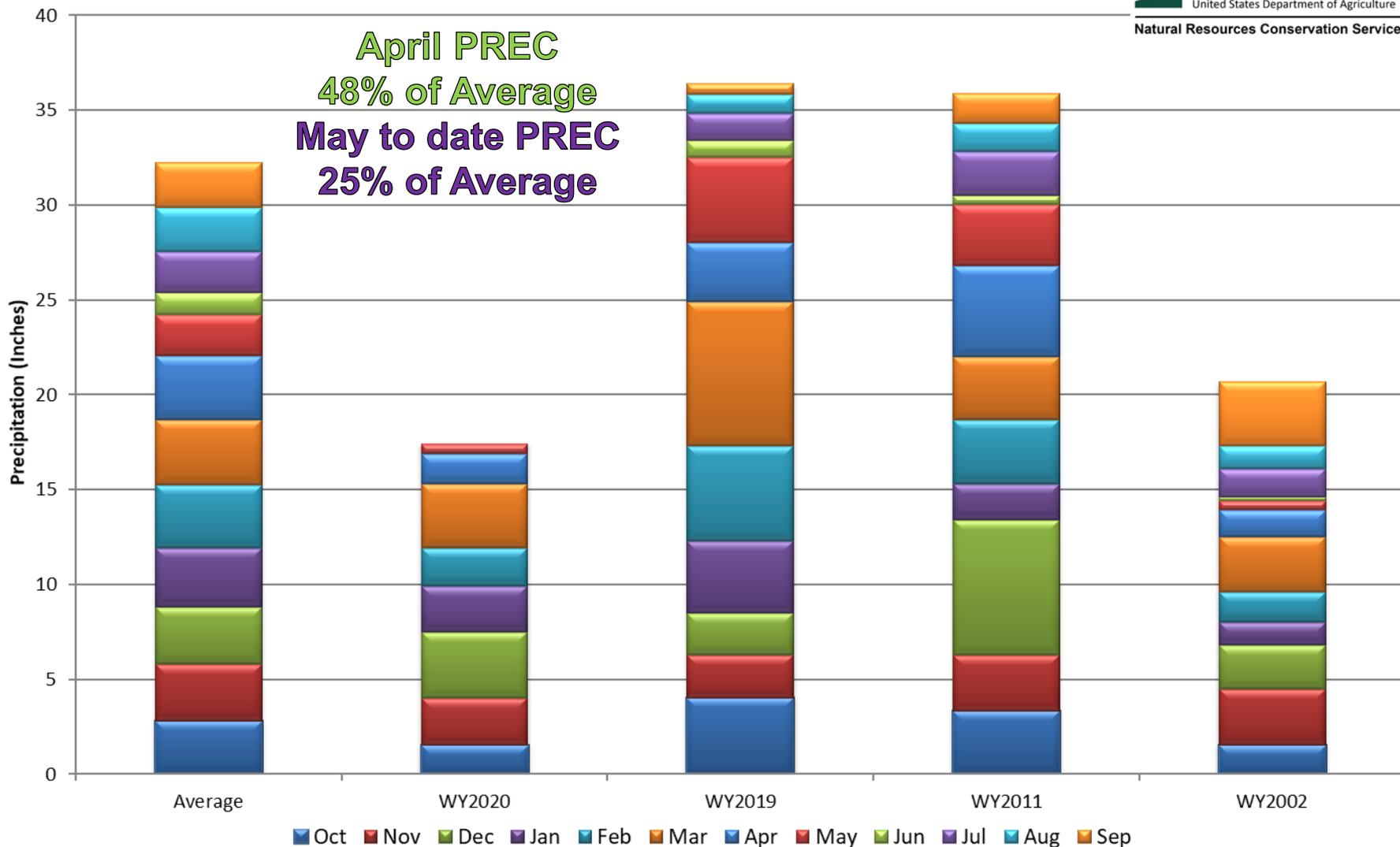
Gunnison River Basin High/Low Snowpack Summary

Based on Provisional SNOTEL data as of May 27, 2020



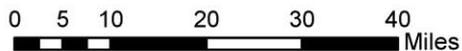
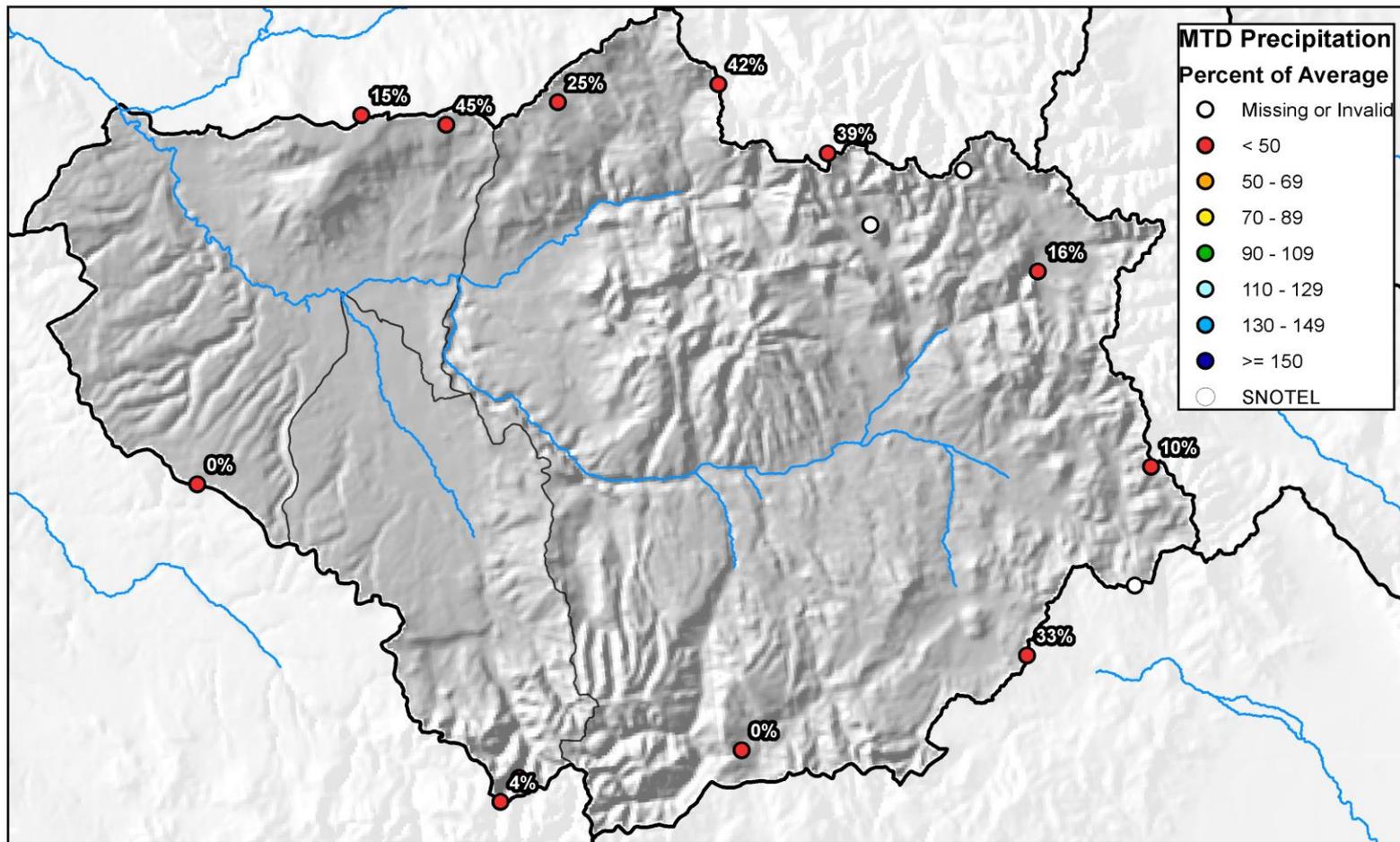
Gunnison River Basin High/Low Monthly Precipitation Summary

Based on Provisional SNOTEL data as of May 27, 2020



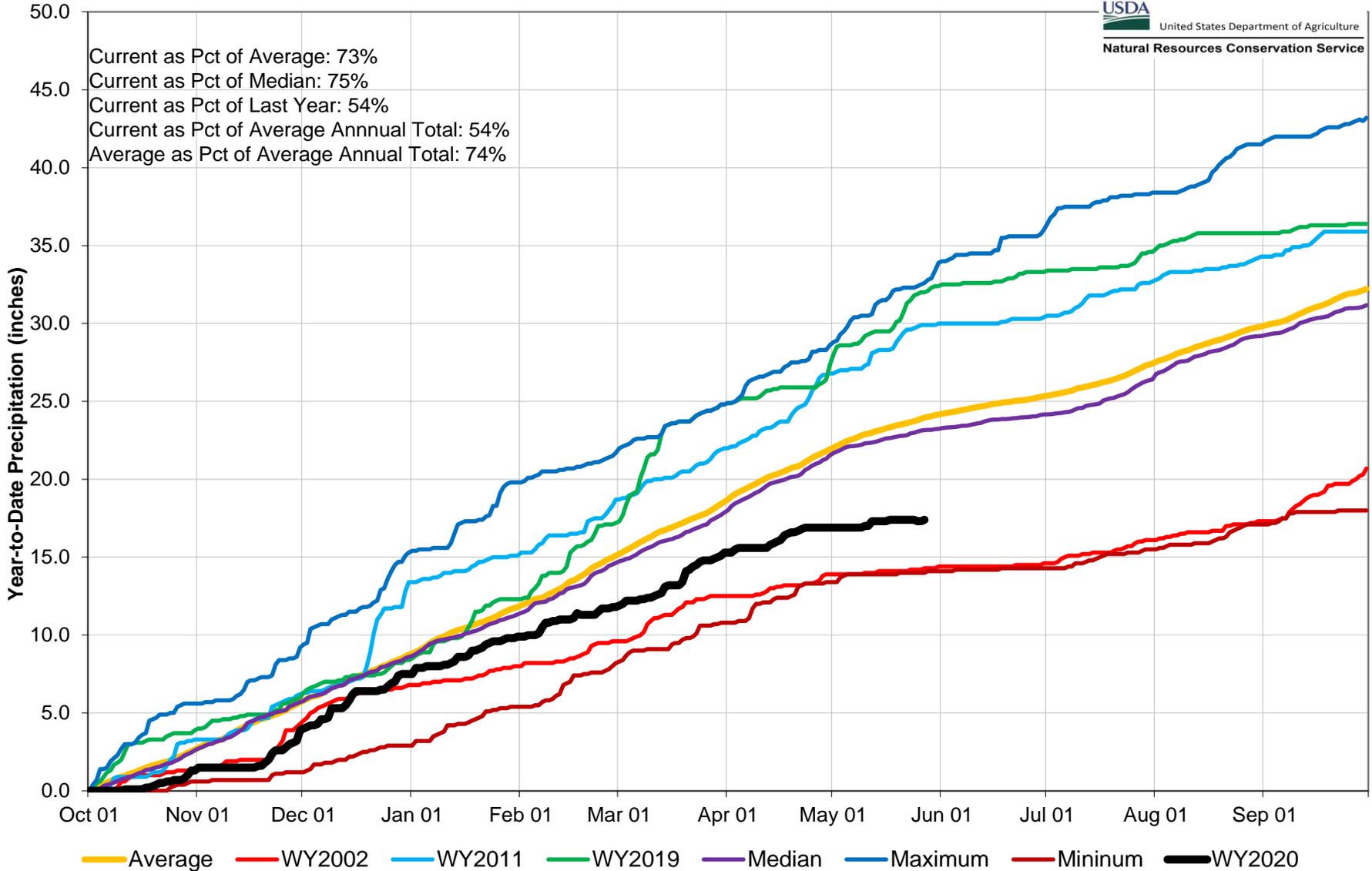
Gunnison River Basin Month to Date Precipitation Summary

Current as of May 27, 2020



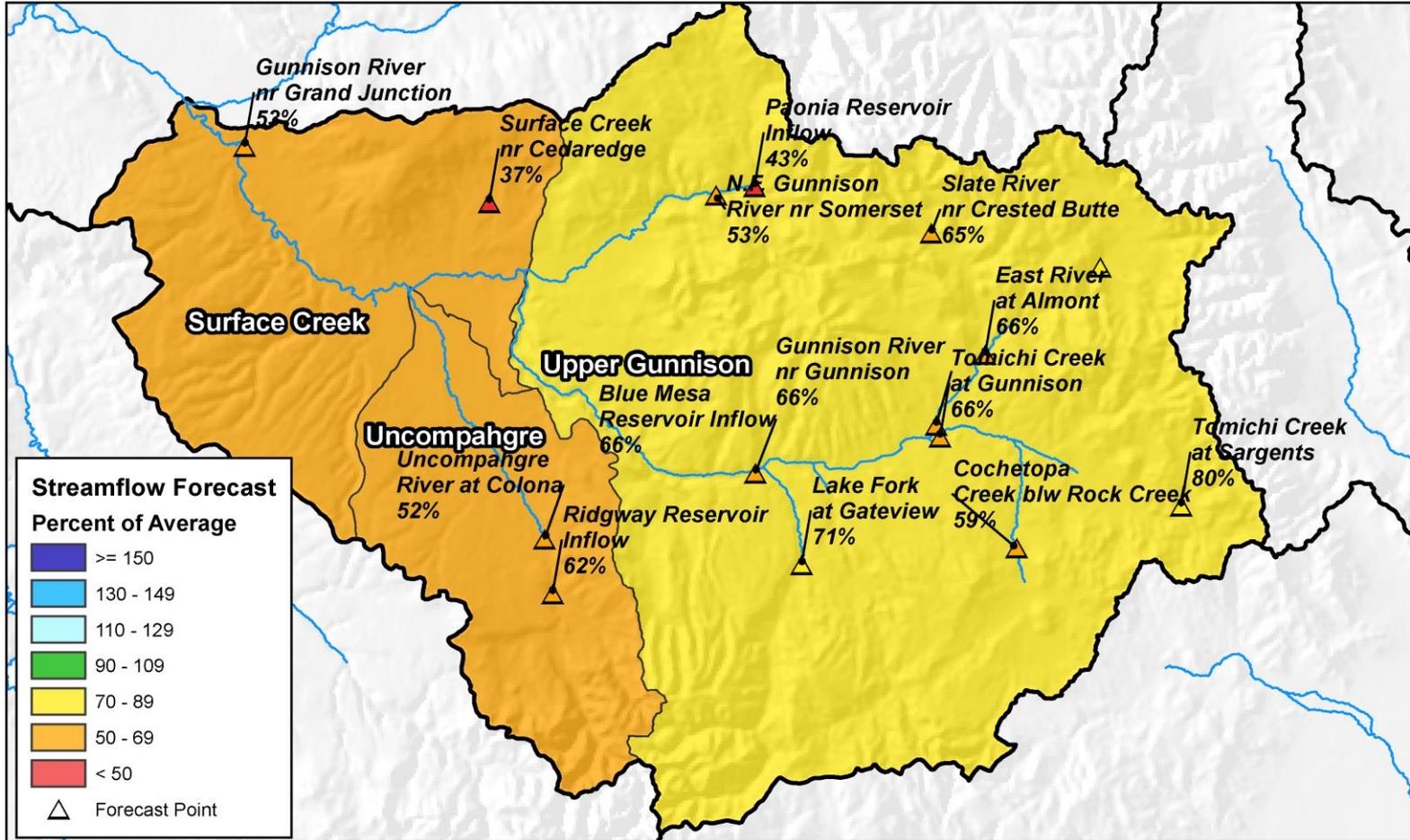
Gunnison River Basin High/Low Year-to-Date Precipitation Summary

Based on Provisional SNOTEL data as of May 27, 2020



Gunnison River Basin Water Supply Forecast Summary

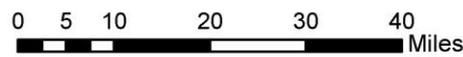
May 1, 2020



Streamflow Forecast
Percent of Average

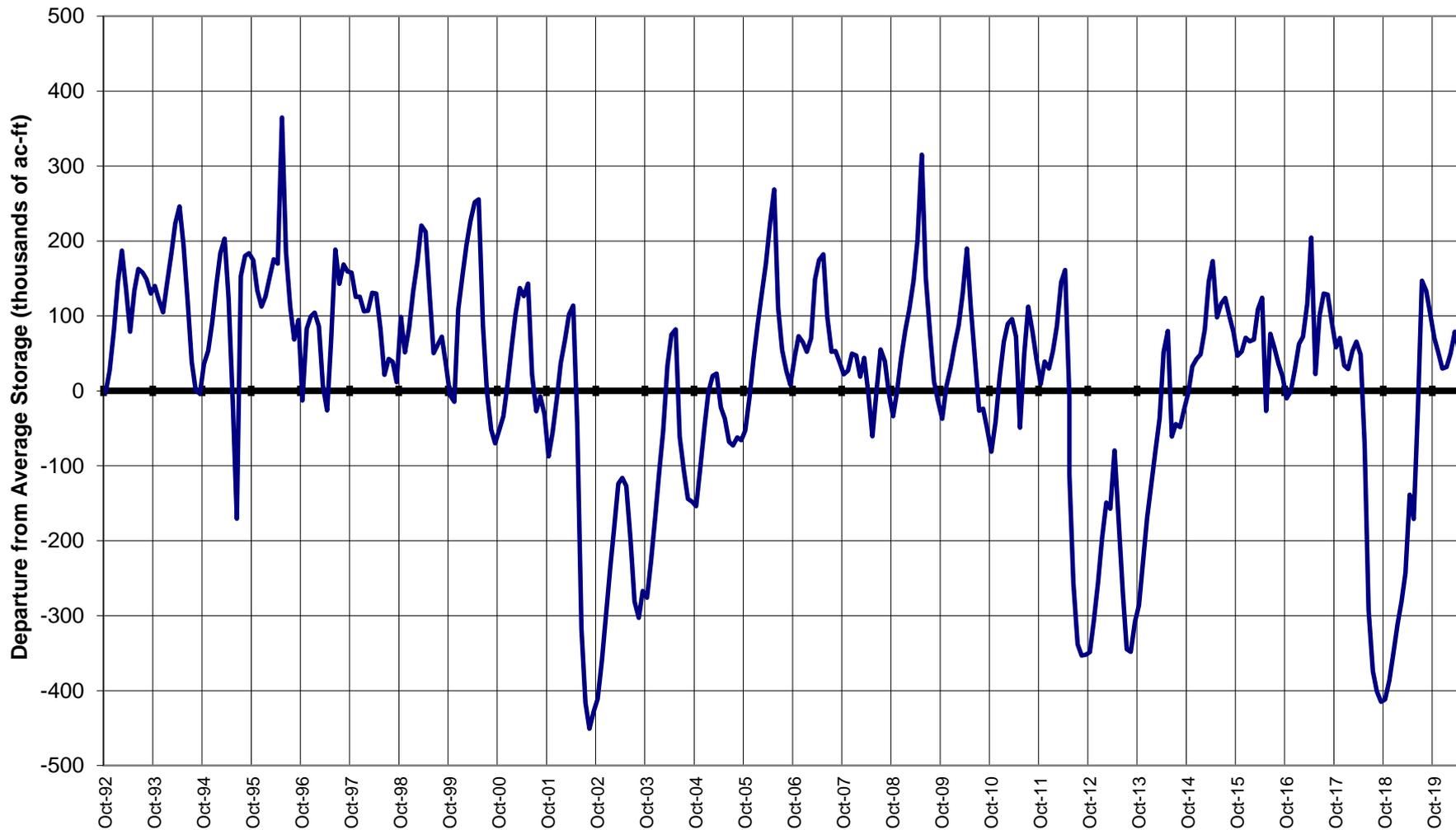
- >= 150
- 130 - 149
- 110 - 129
- 90 - 109
- 70 - 89
- 50 - 69
- < 50

△ Forecast Point



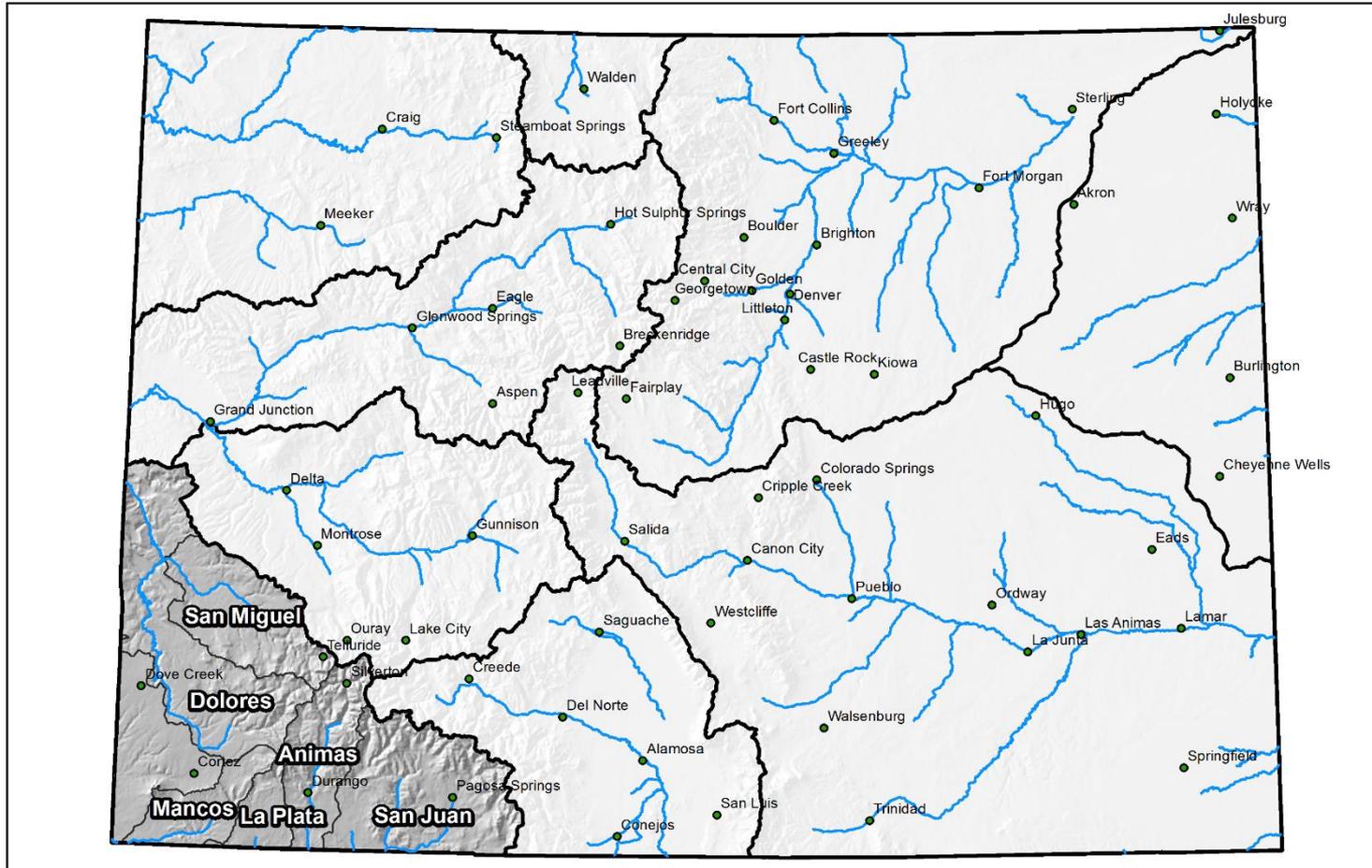


GUNNISON RIVER BASIN Reservoir Storage Departure from Average



Major Basin Summary

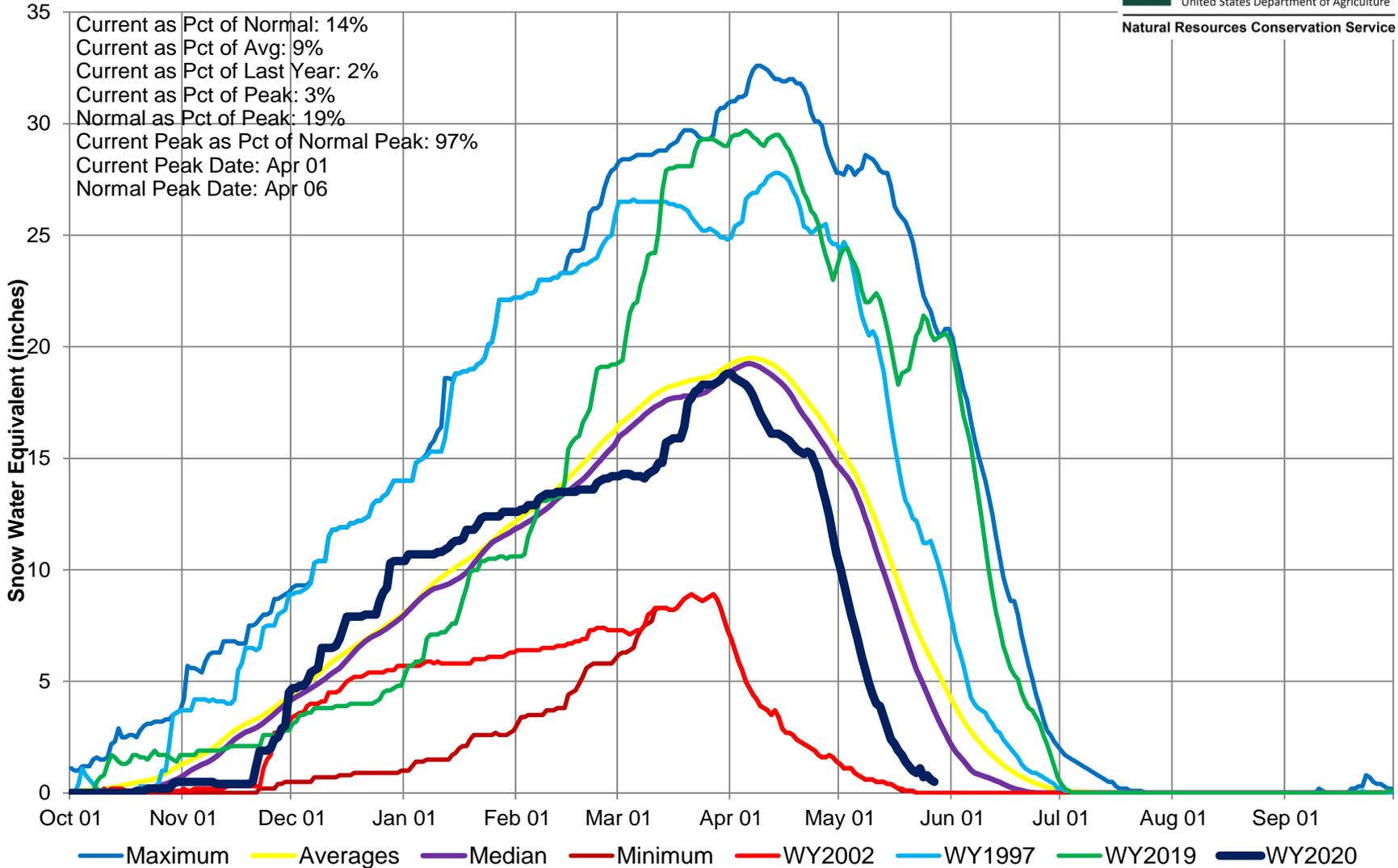
San Miguel, Dolores, Animas, and San Juan River Basins



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

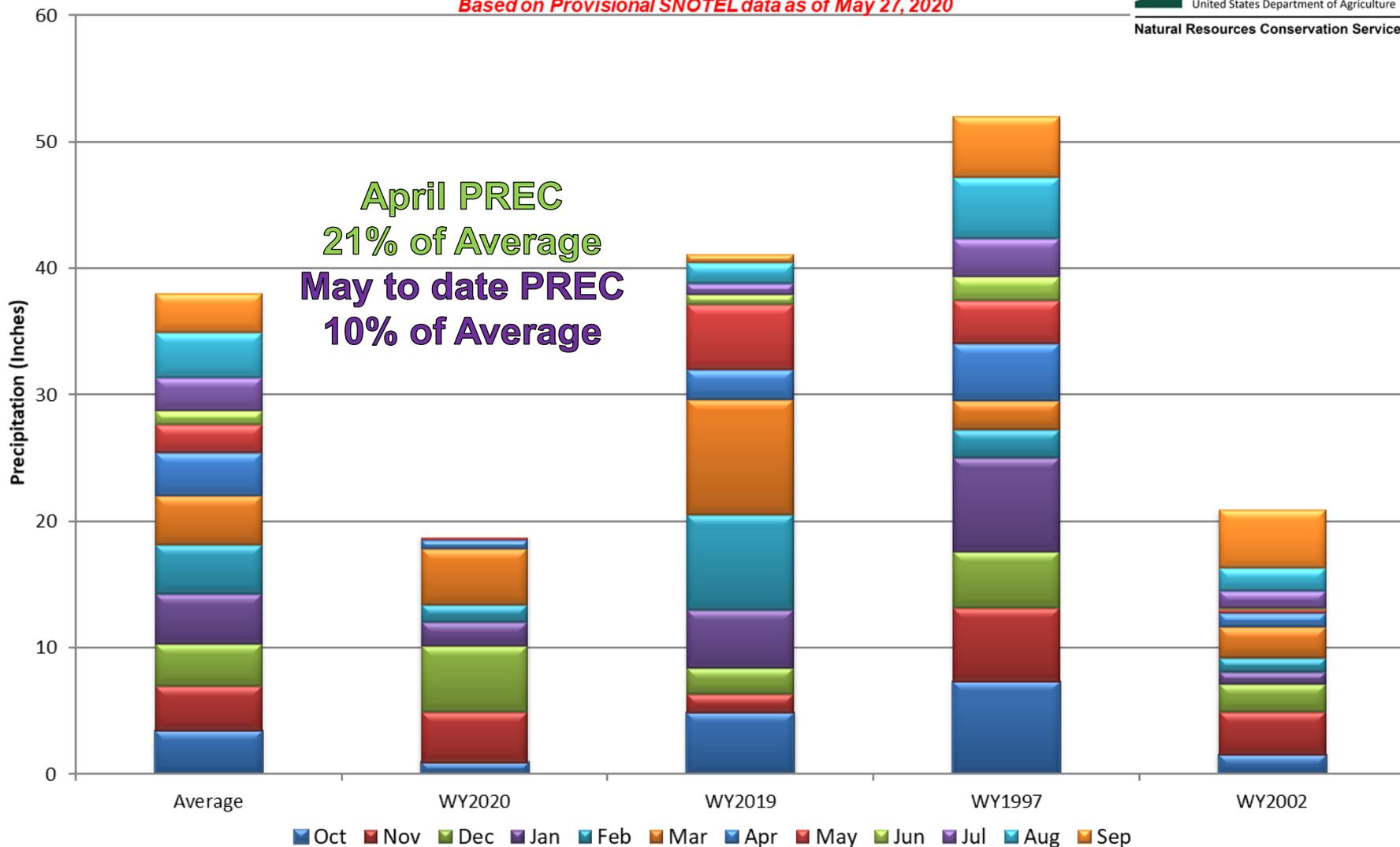
Based on Provisional SNOTEL data as of May 27, 2020

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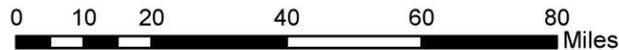
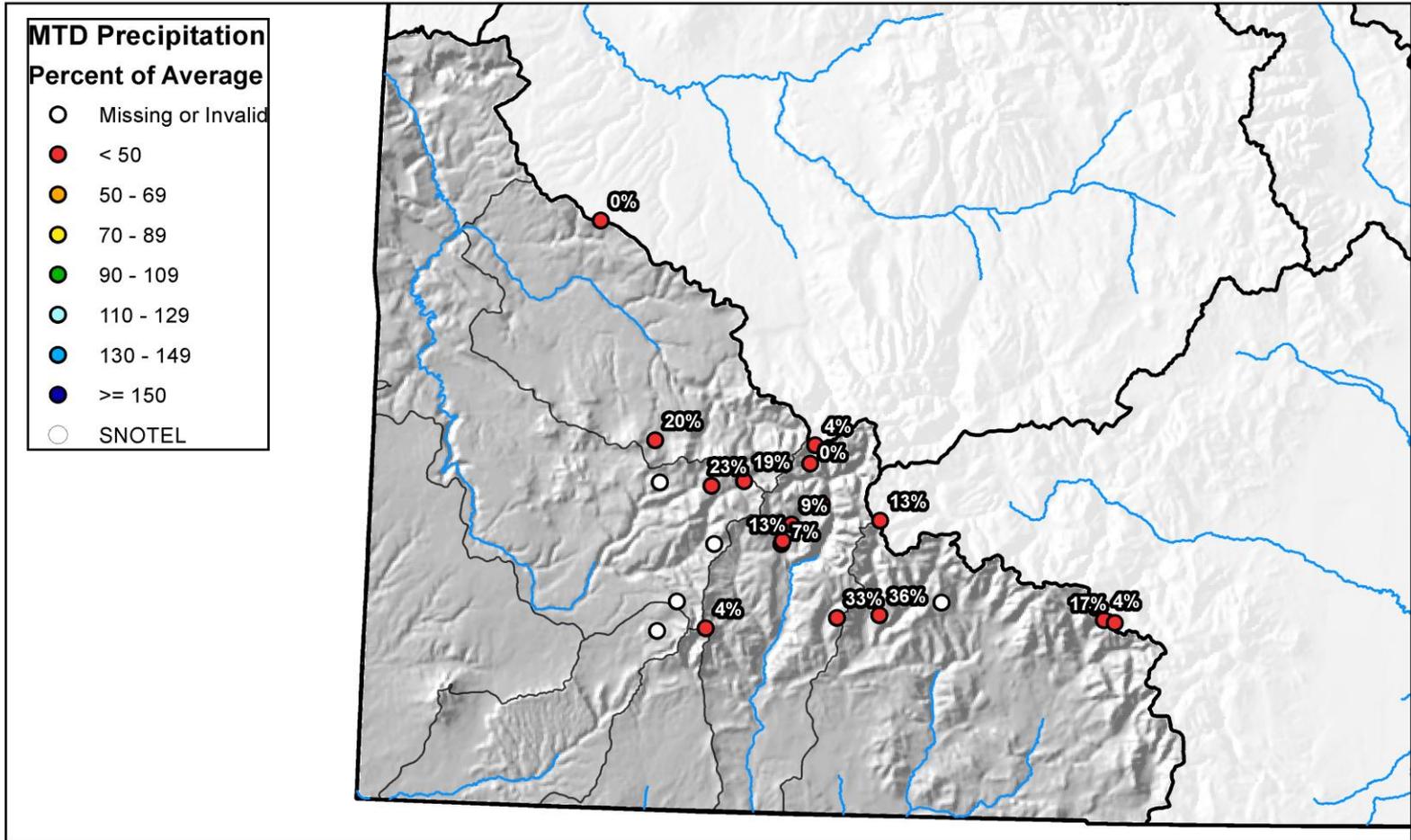


San Miguel, Dolores, Animas and San Juan River Basins High/Low Monthly Precipitation Summary

Based on Provisional SNOTEL data as of May 27, 2020

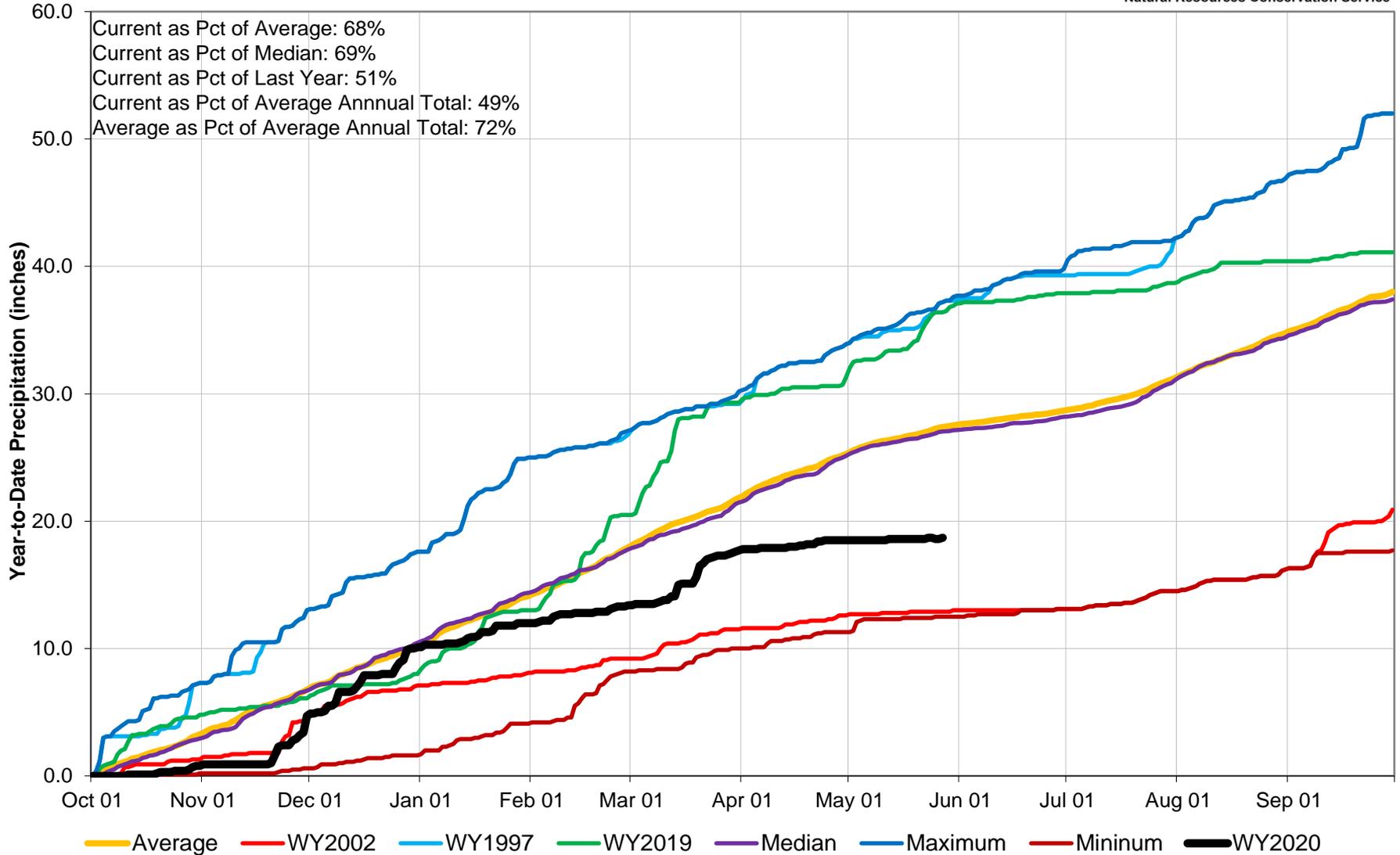


San Miguel, Dolores, Animas, and San Juan River Basins Month to Date Precipitation Summary Current as of May 27, 2020



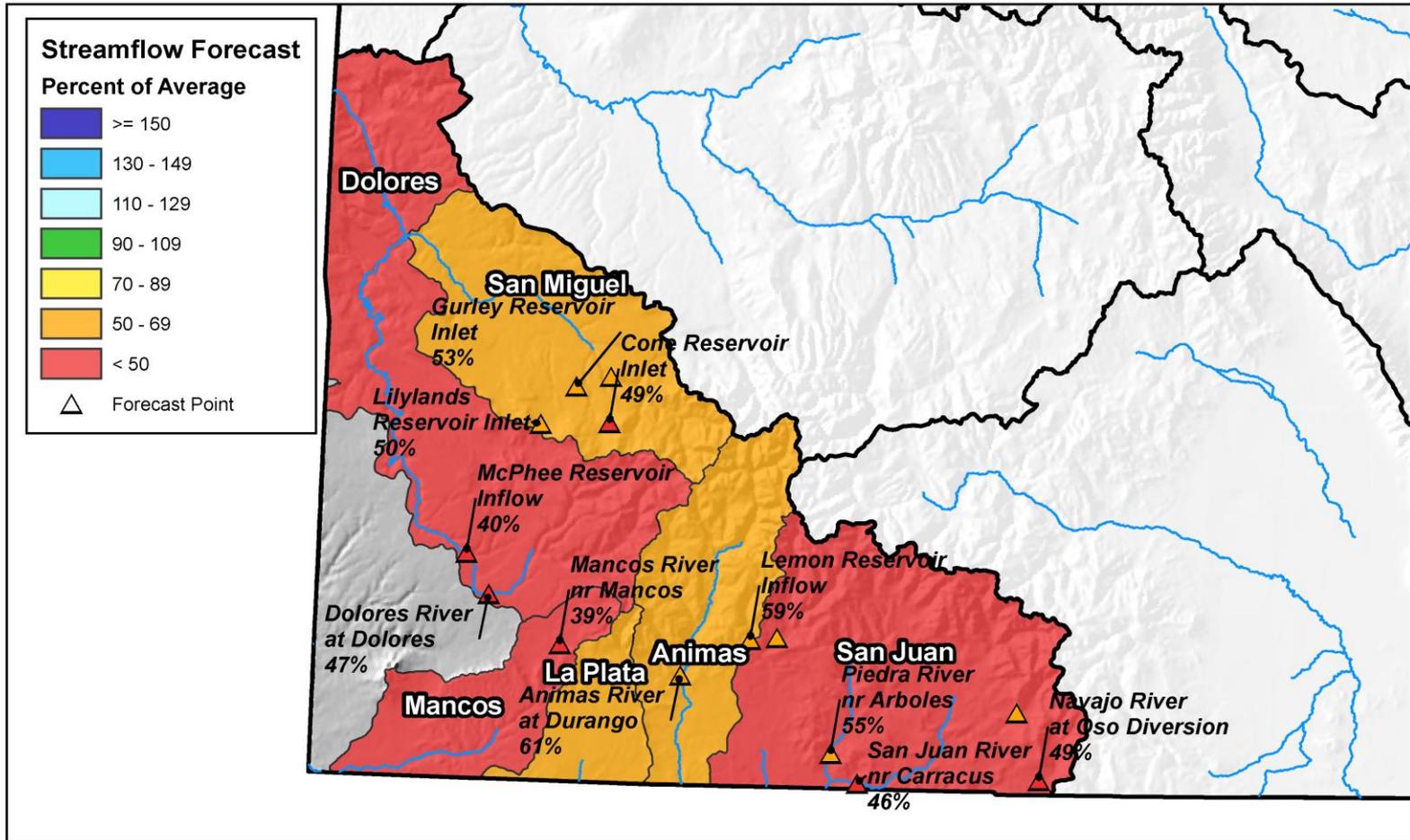
San Miguel, Dolores, Animas and San Juan River Basins High/Low Year-to-Date Precipitation Summary

Based on Provisional SNOTEL data as of May 27, 2020

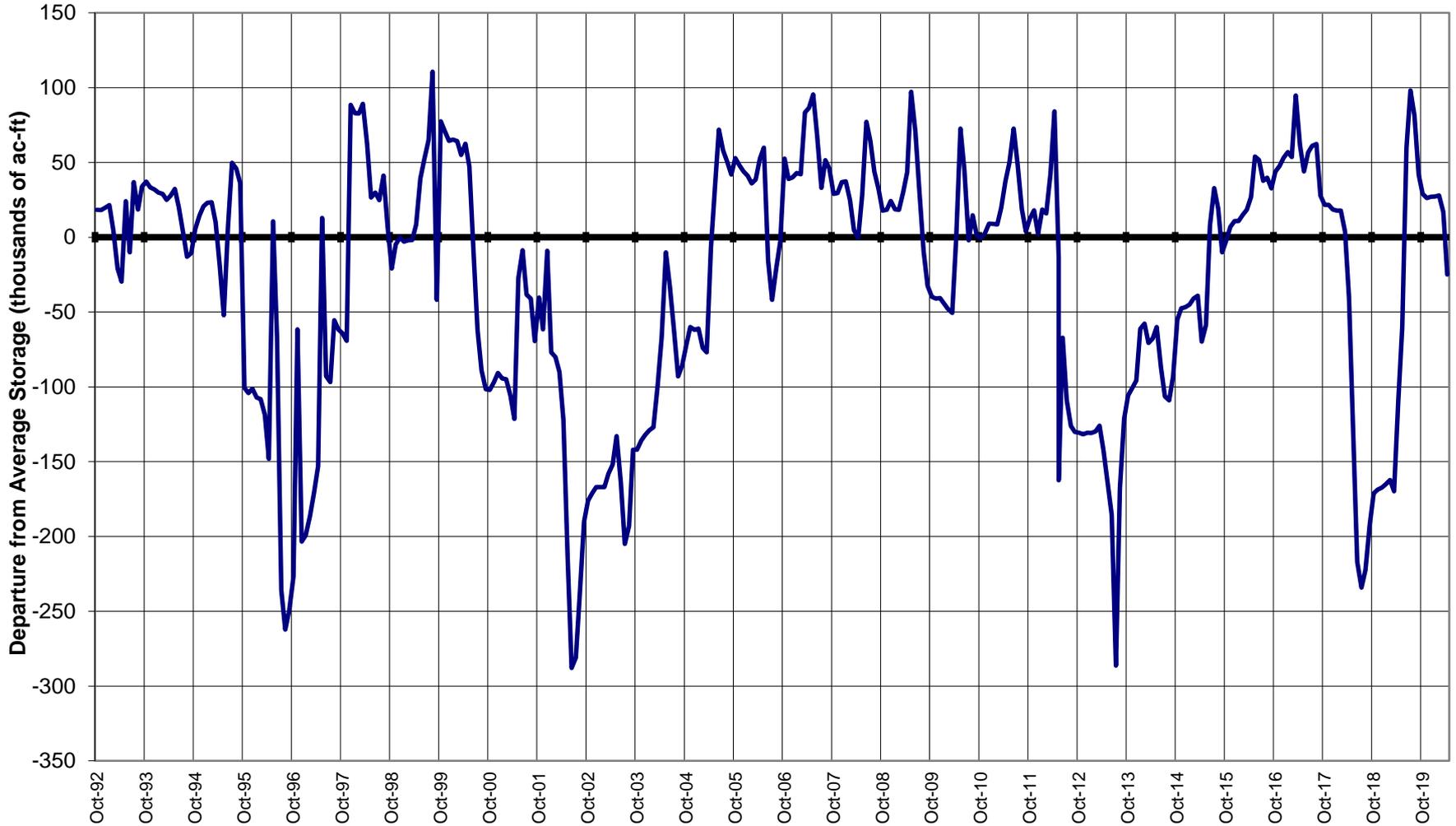


San Miguel, Dolores, Animas, and San Juan River Basins Streamflow Forecast Summary

May 1, 2020



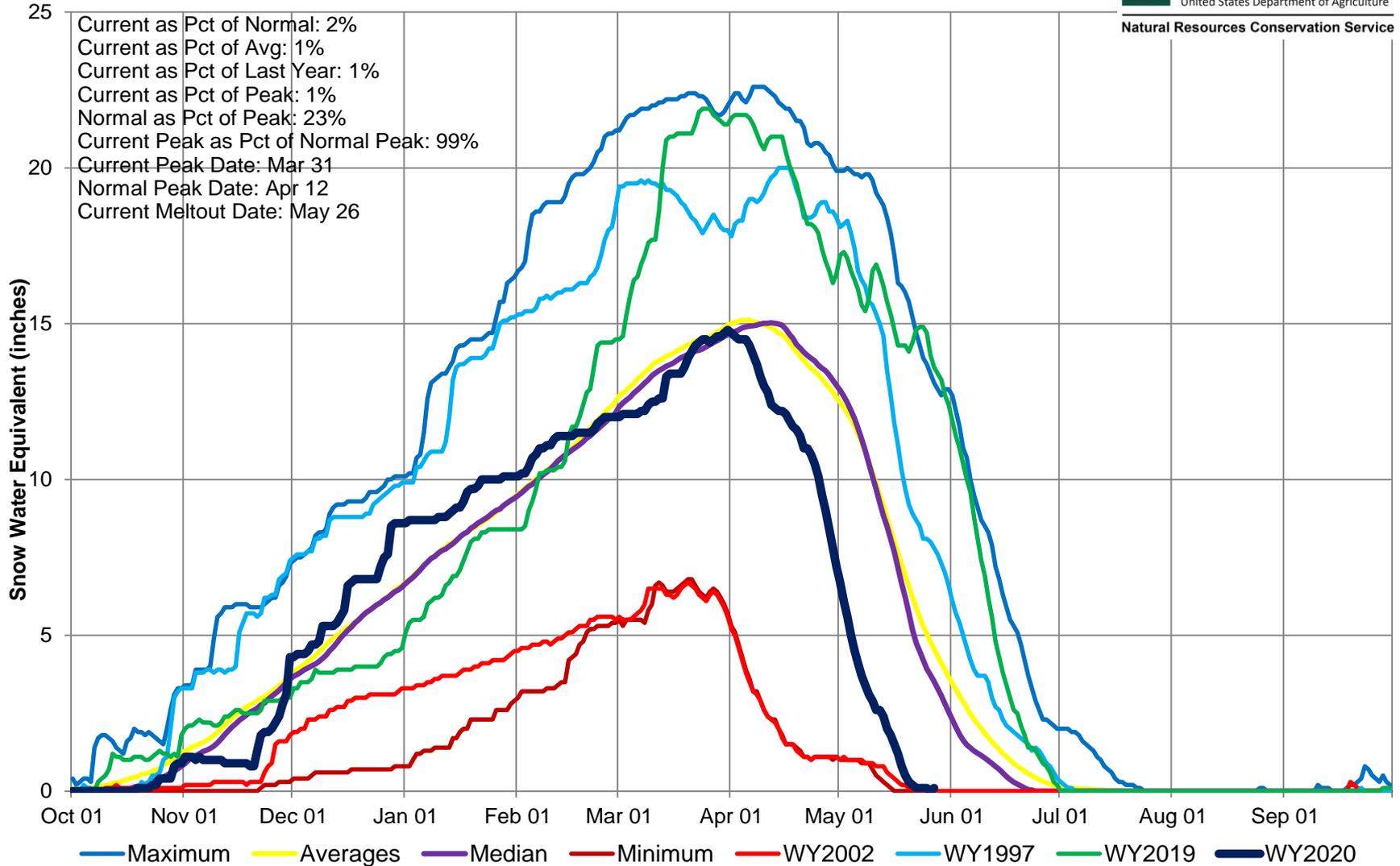
SAN MIGUEL, DOLORES, ANIMAS AND SAN JUAN RIVER BASINS
Reservoir Storage
Departure from Average



Upper Rio Grande Basin High/Low Snowpack Summary

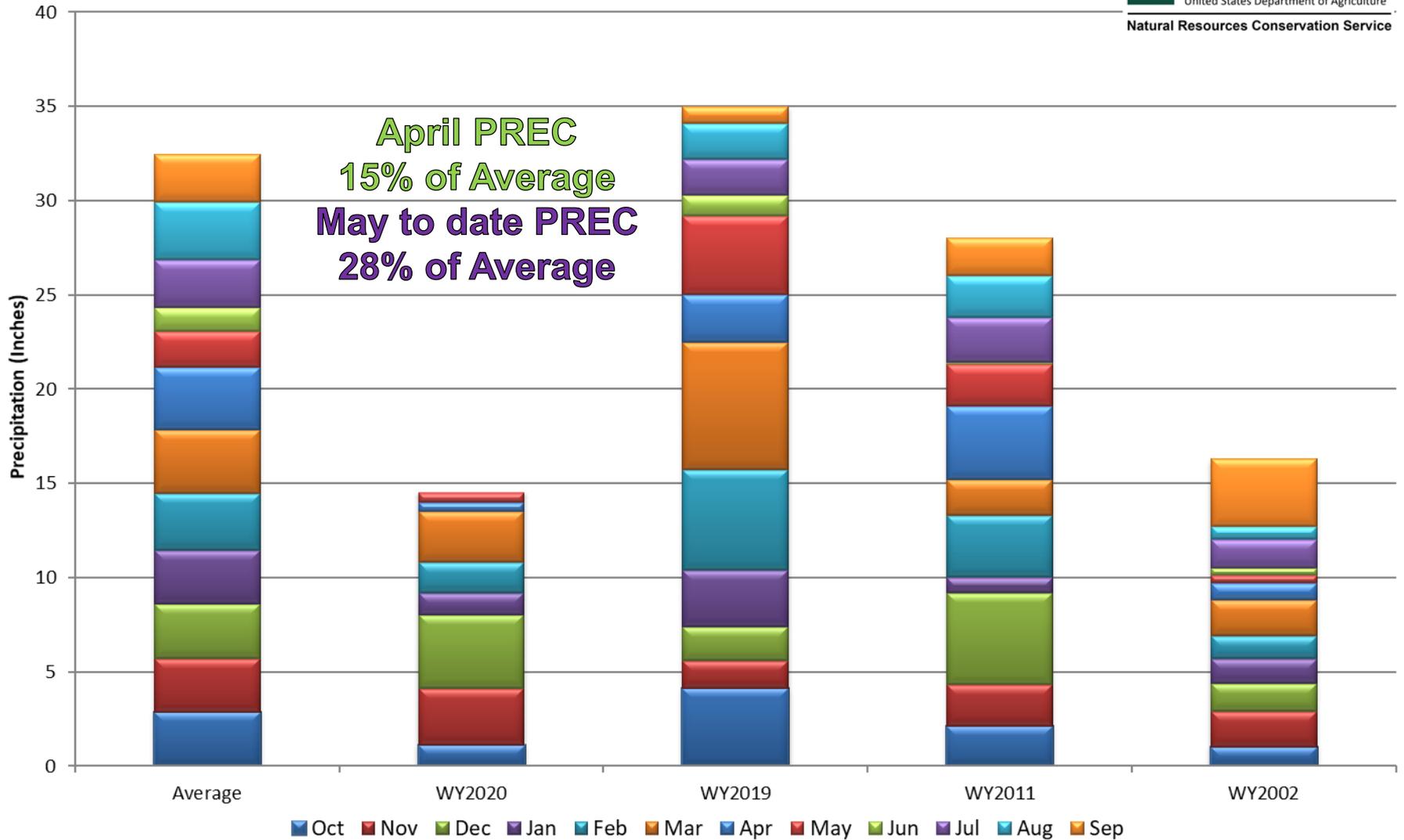
Based on Provisional SNOTEL data as of May 27, 2020

USDA United States Department of Agriculture
Natural Resources Conservation Service



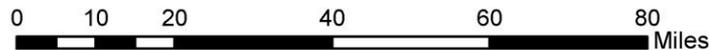
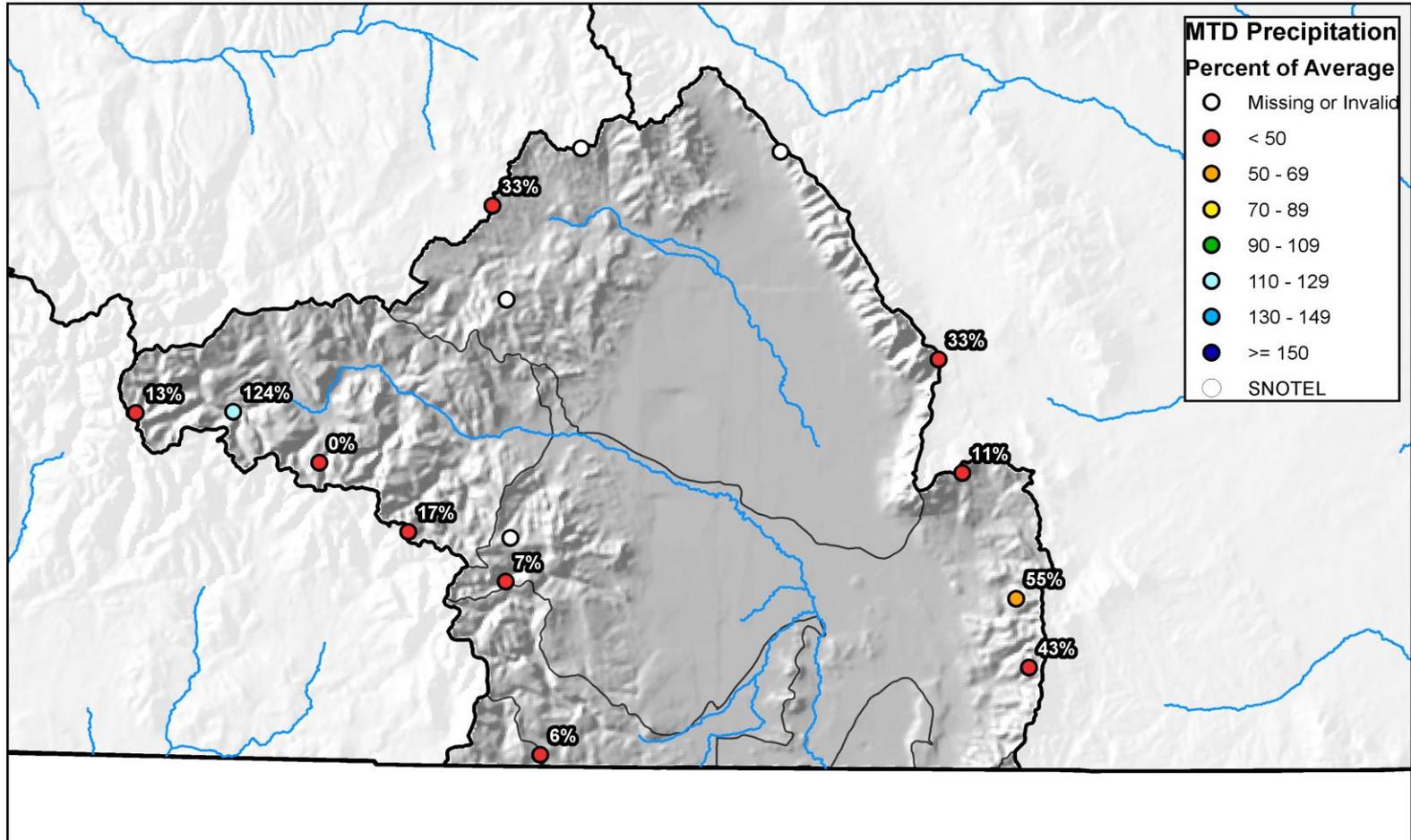
Upper Rio Grande River Basin High/Low Monthly Precipitation Summary

Based on Provisional SNOTEL data as of May 27, 2020



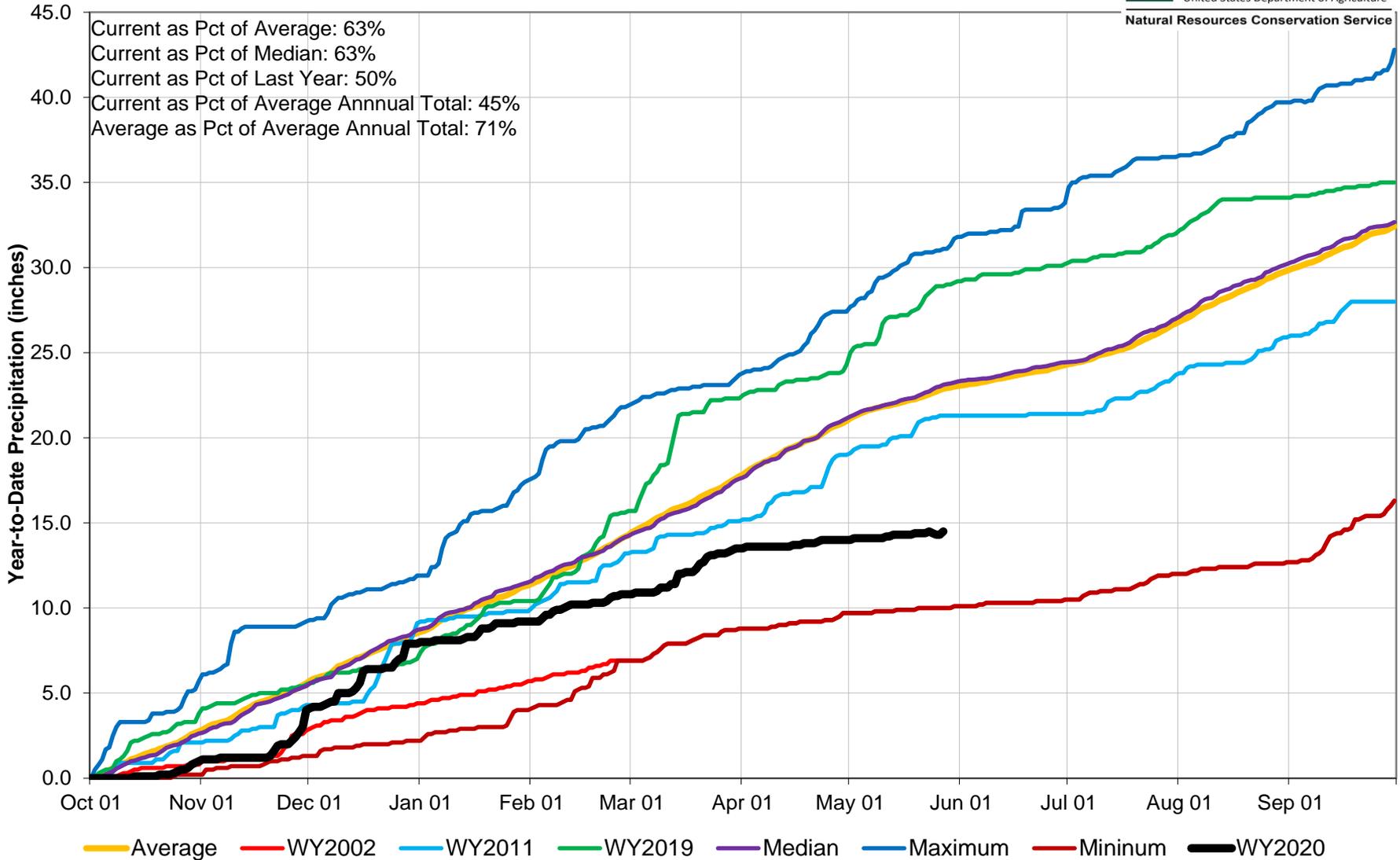
Upper Rio Grande River Basin Month to Date Precipitation Summary

Current as of May 27, 2020



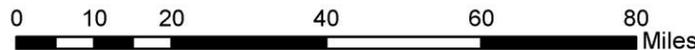
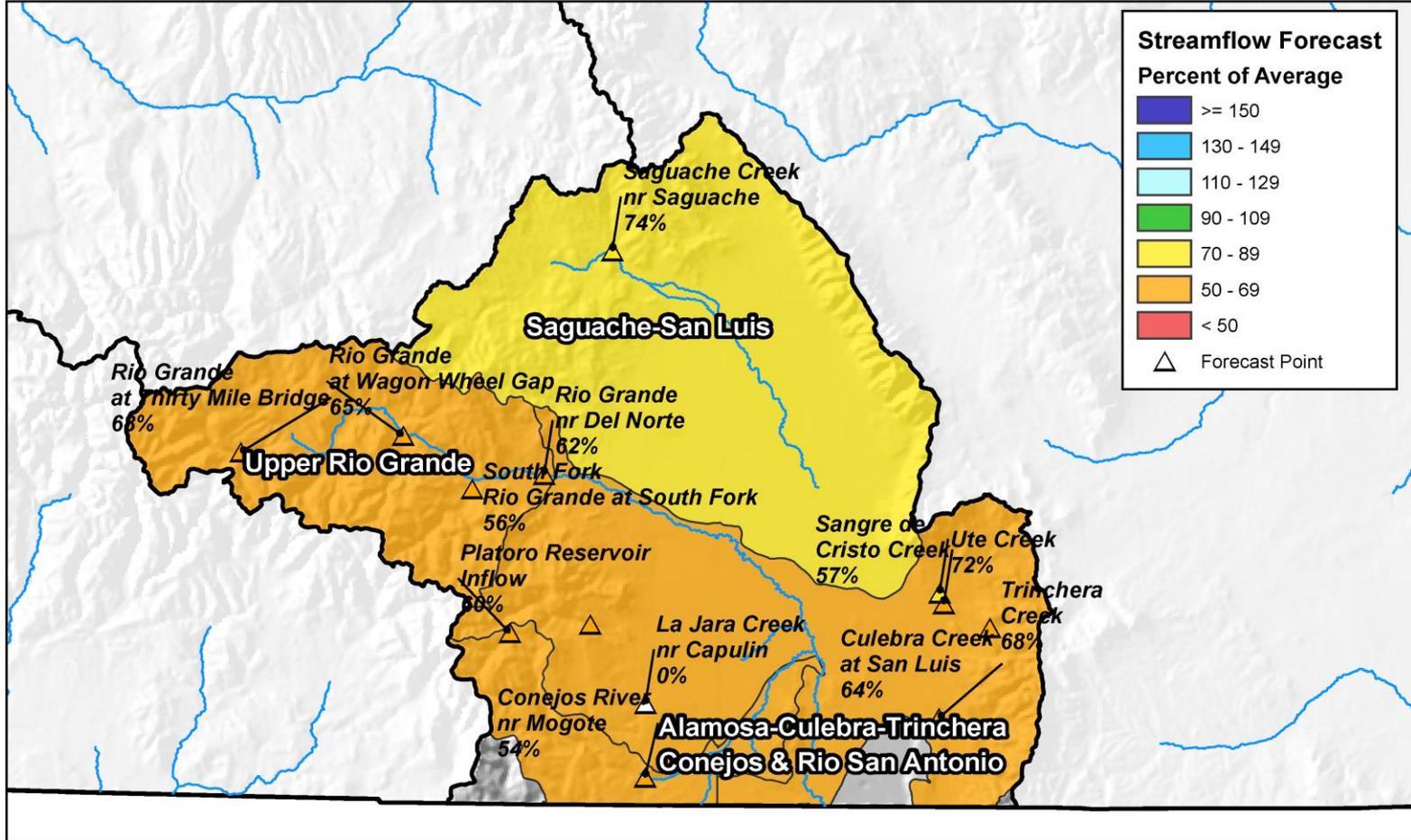
Upper Rio Grande River Basin High/Low Year-to-Date Precipitation Summary

Based on Provisional SNOTEL data as of May 27, 2020



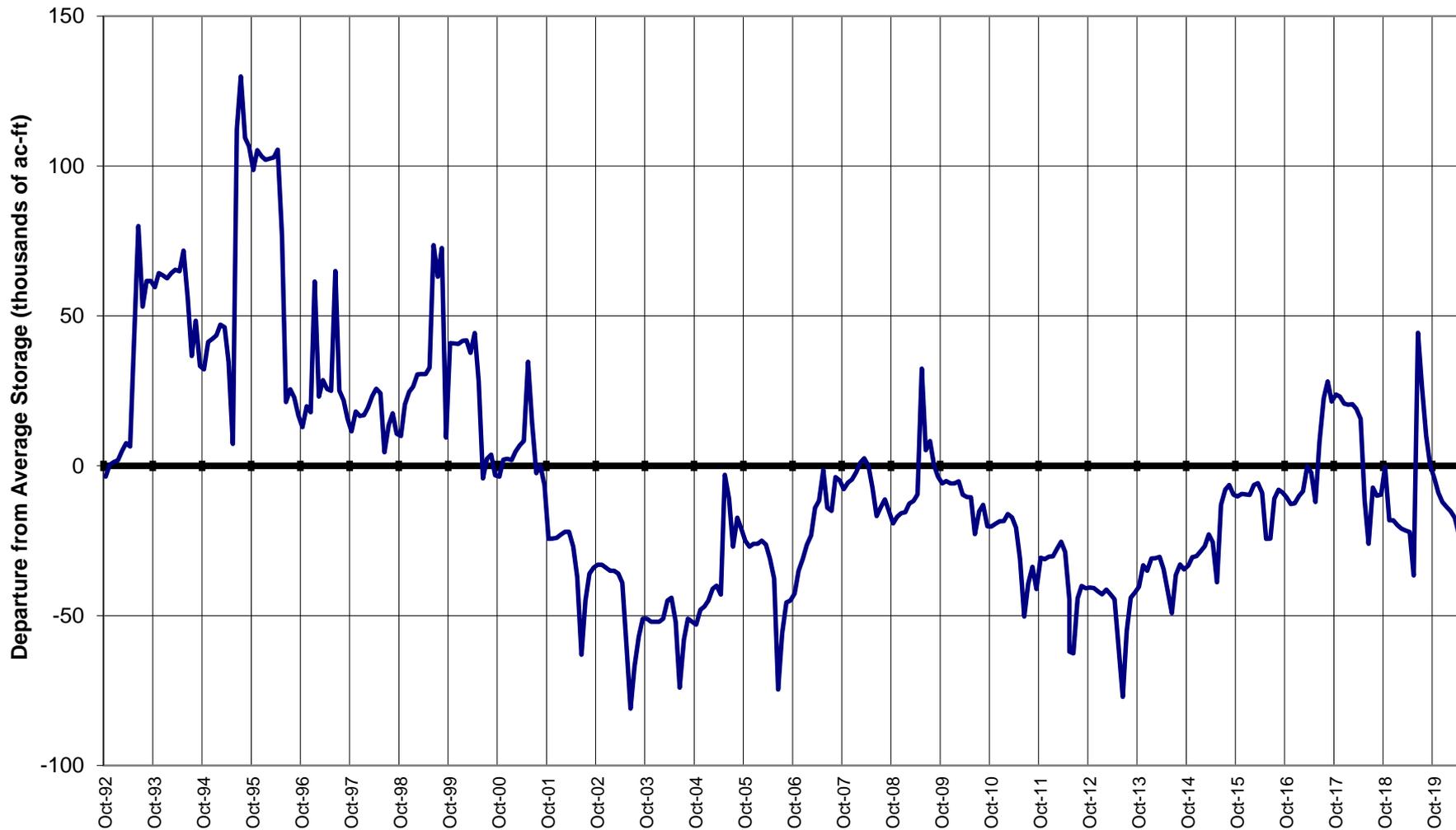
Upper Rio Grande River Basin Streamflow Forecast Summary

May 1, 2020



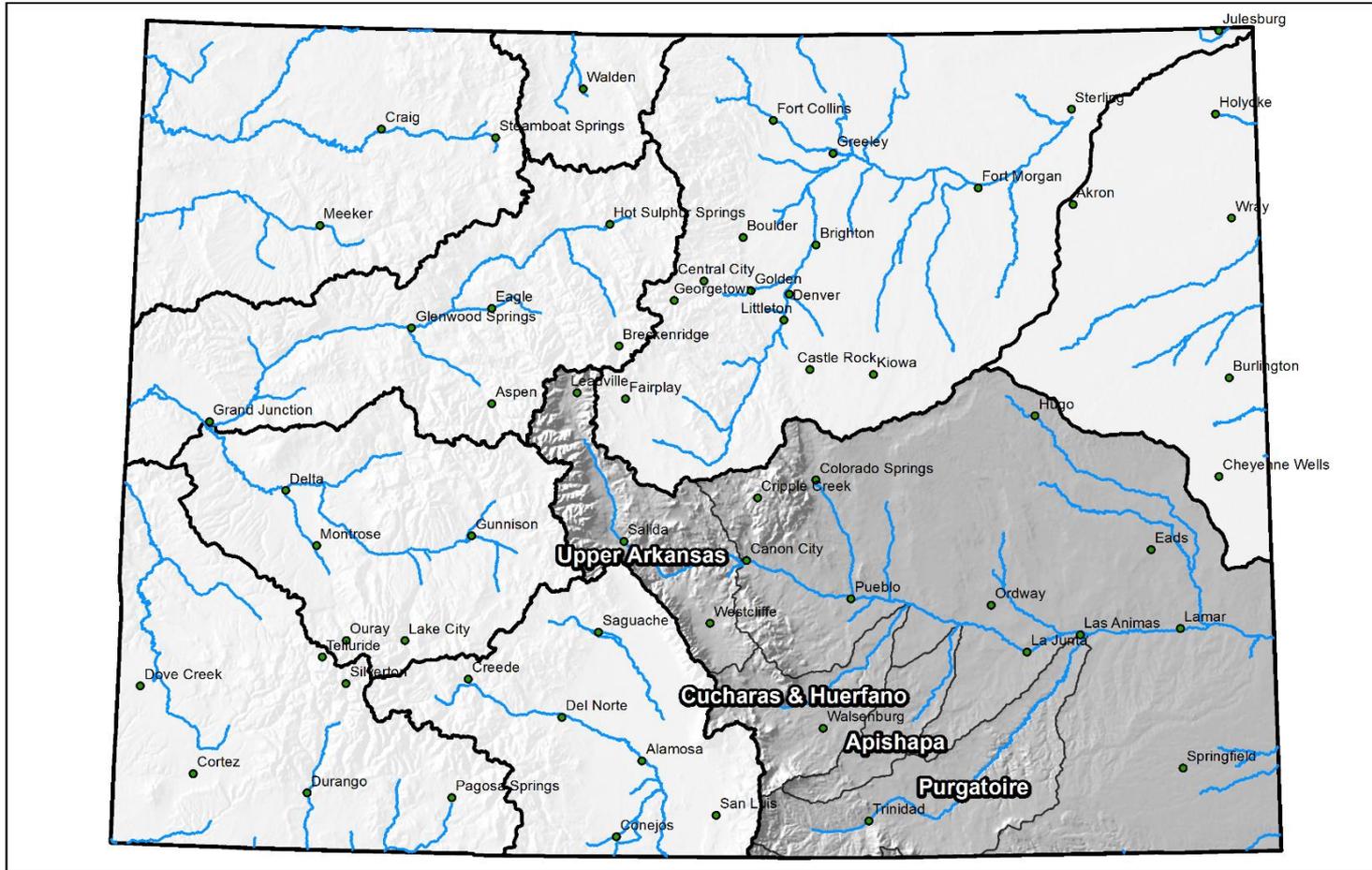


UPPER RIO GRANDE BASIN Reservoir Storage Departure from Average



Major Basin Summary

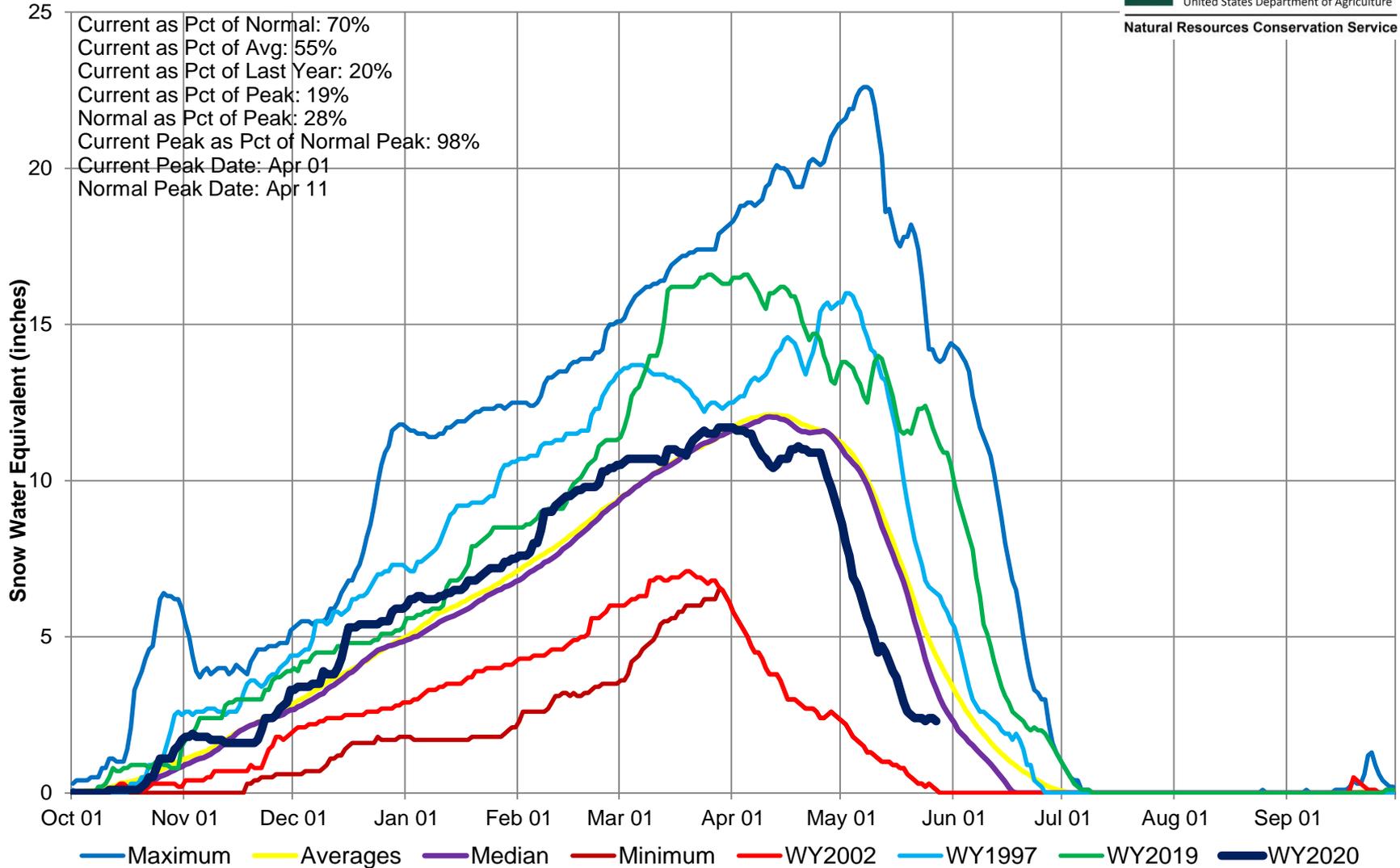
Arkansas River Basin



Arkansas River Basin High/Low Snowpack Summary

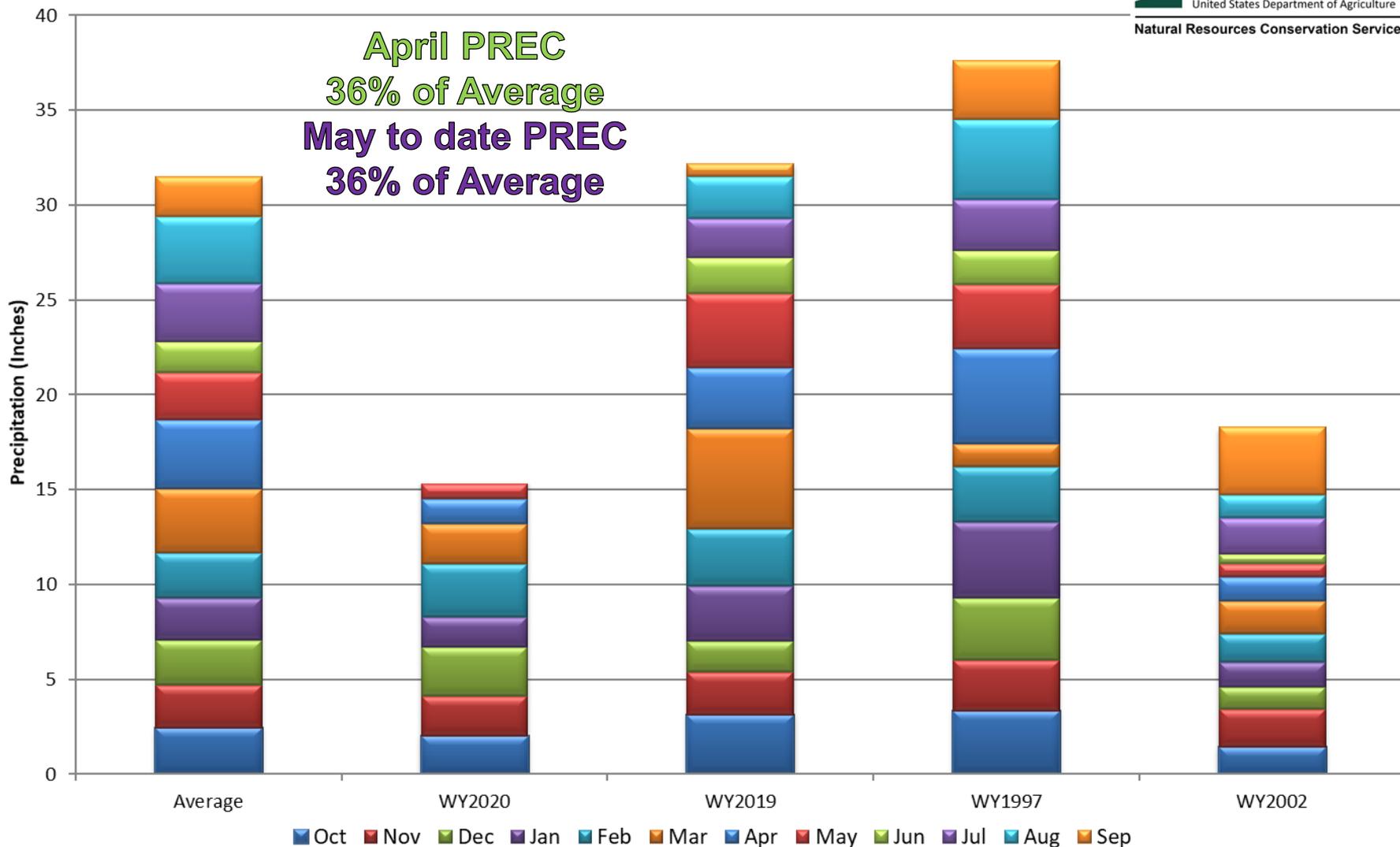
Based on Provisional SNOTEL data as of May 27, 2020

USDA
United States Department of Agriculture
Natural Resources Conservation Service



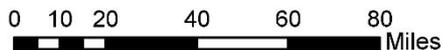
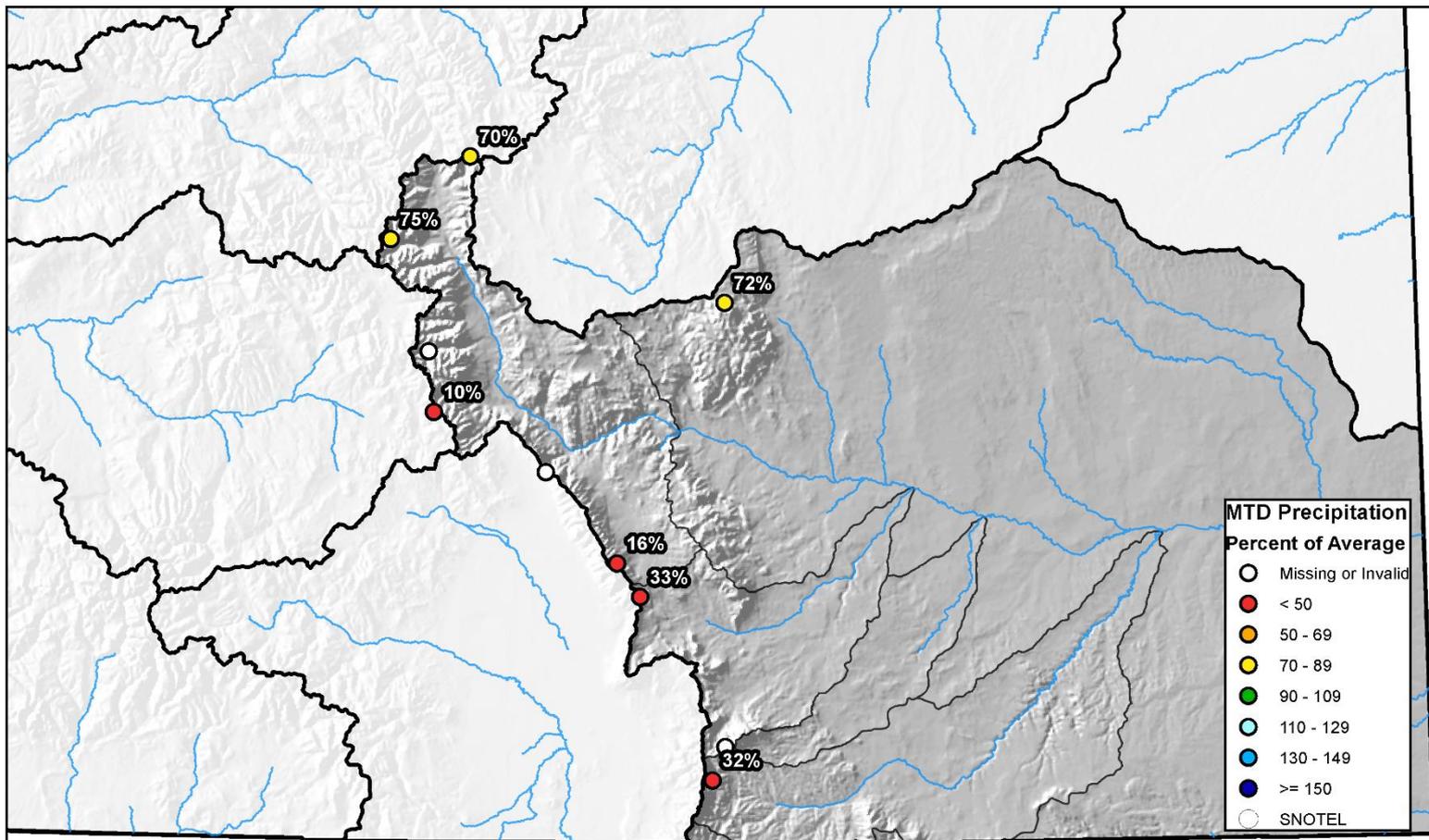
Arkansas River Basin High/Low Monthly Precipitation Summary

Based on Provisional SNOTEL data as of May 27, 2020



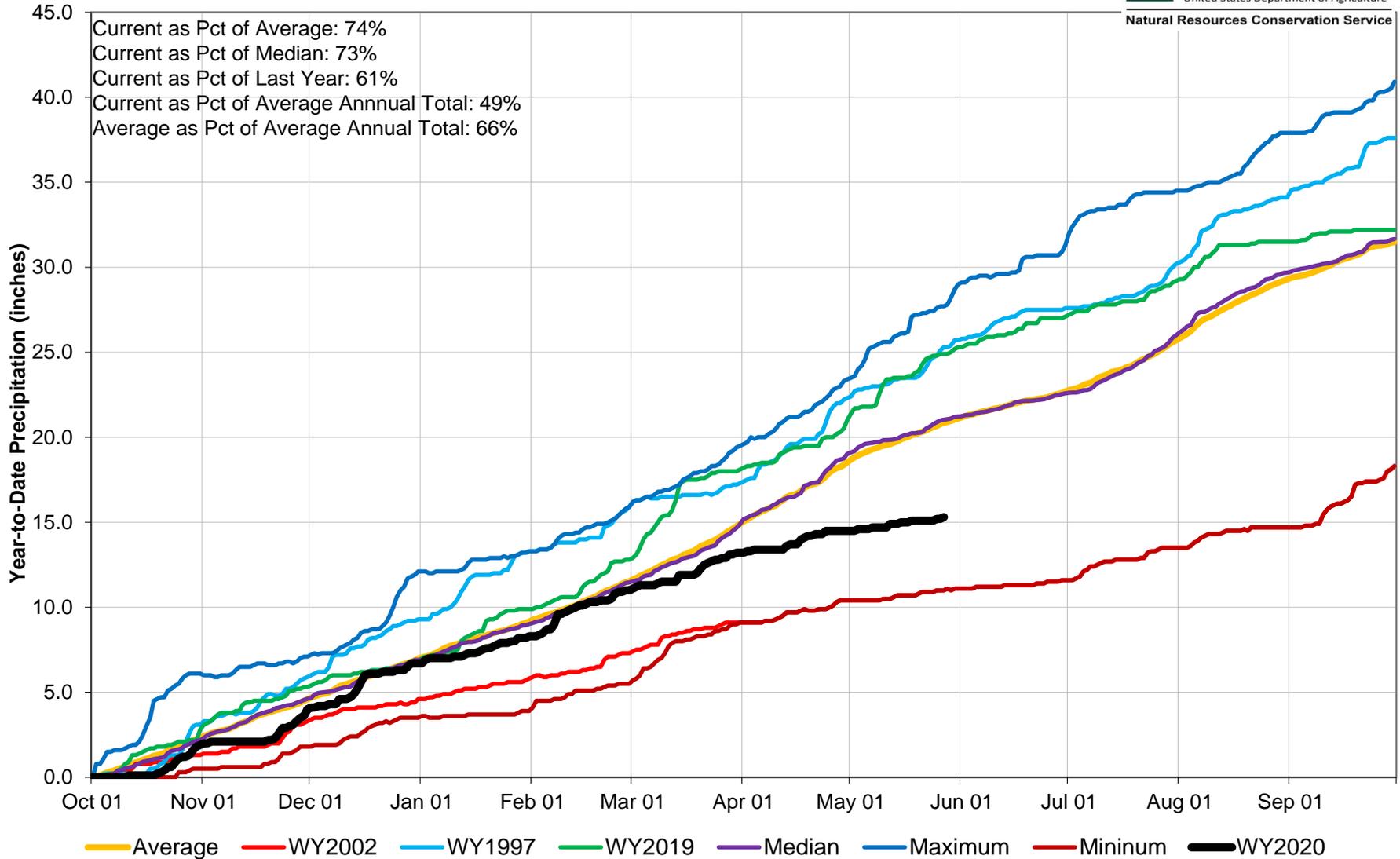
Arkansas River Basin Month to Date Precipitation Summary

Current as of May 27, 2020



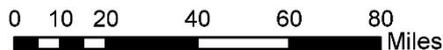
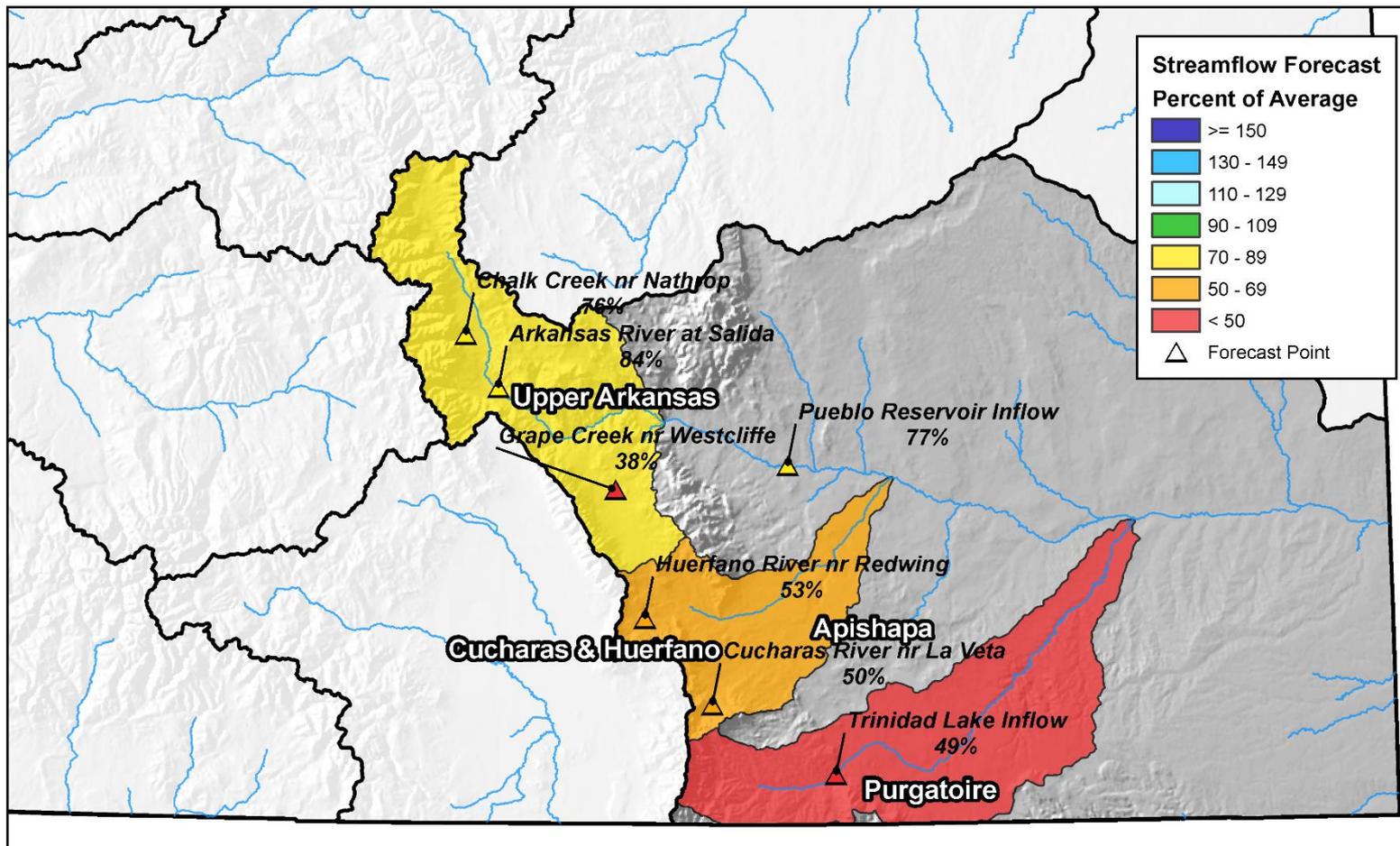
Arkansas River Basin High/Low Year-to-Date Precipitation Summary

Based on Provisional SNOTEL data as of May 27, 2020

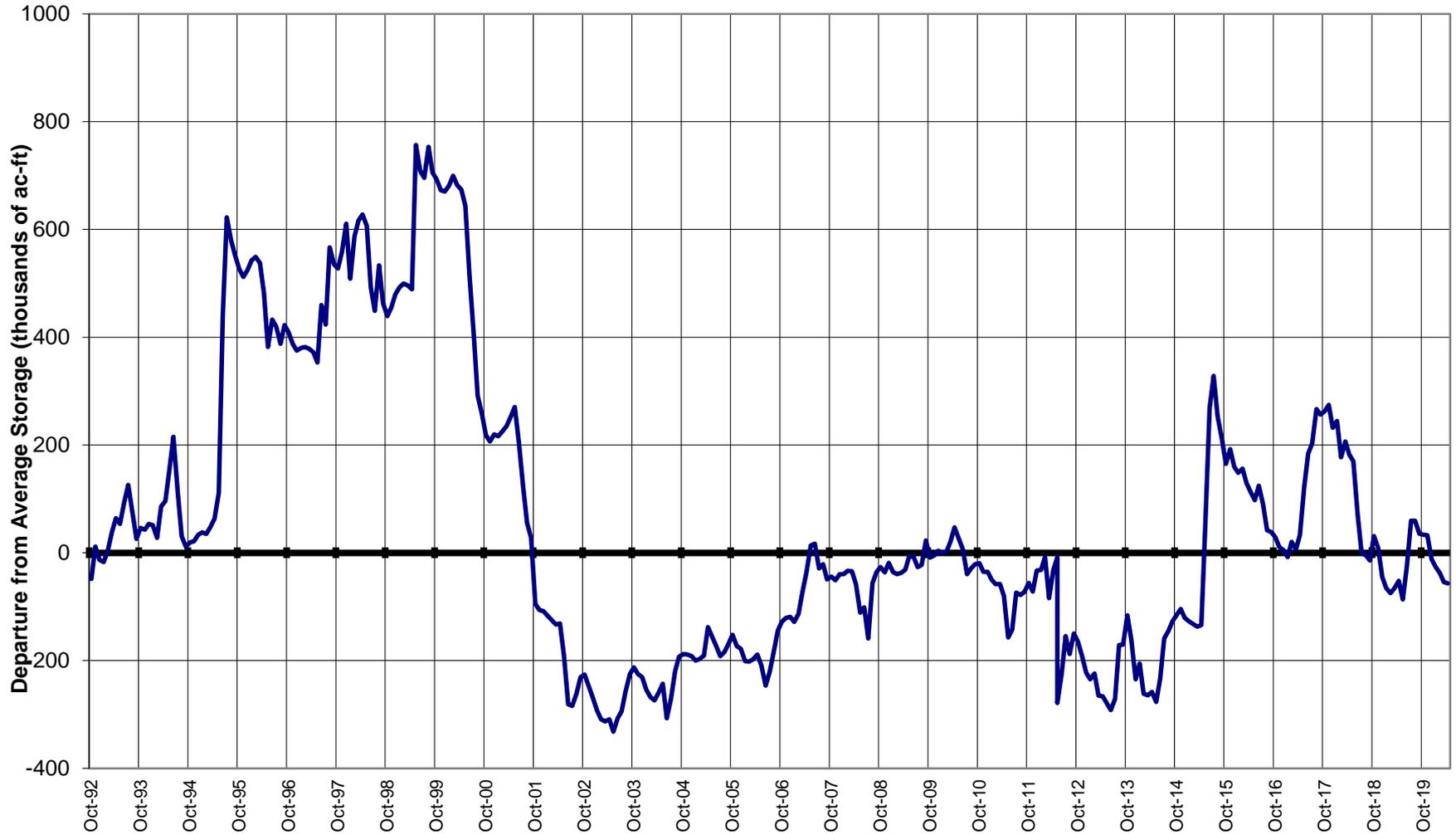


Arkansas River Basin Streamflow Forecast Summary

May 1, 2020

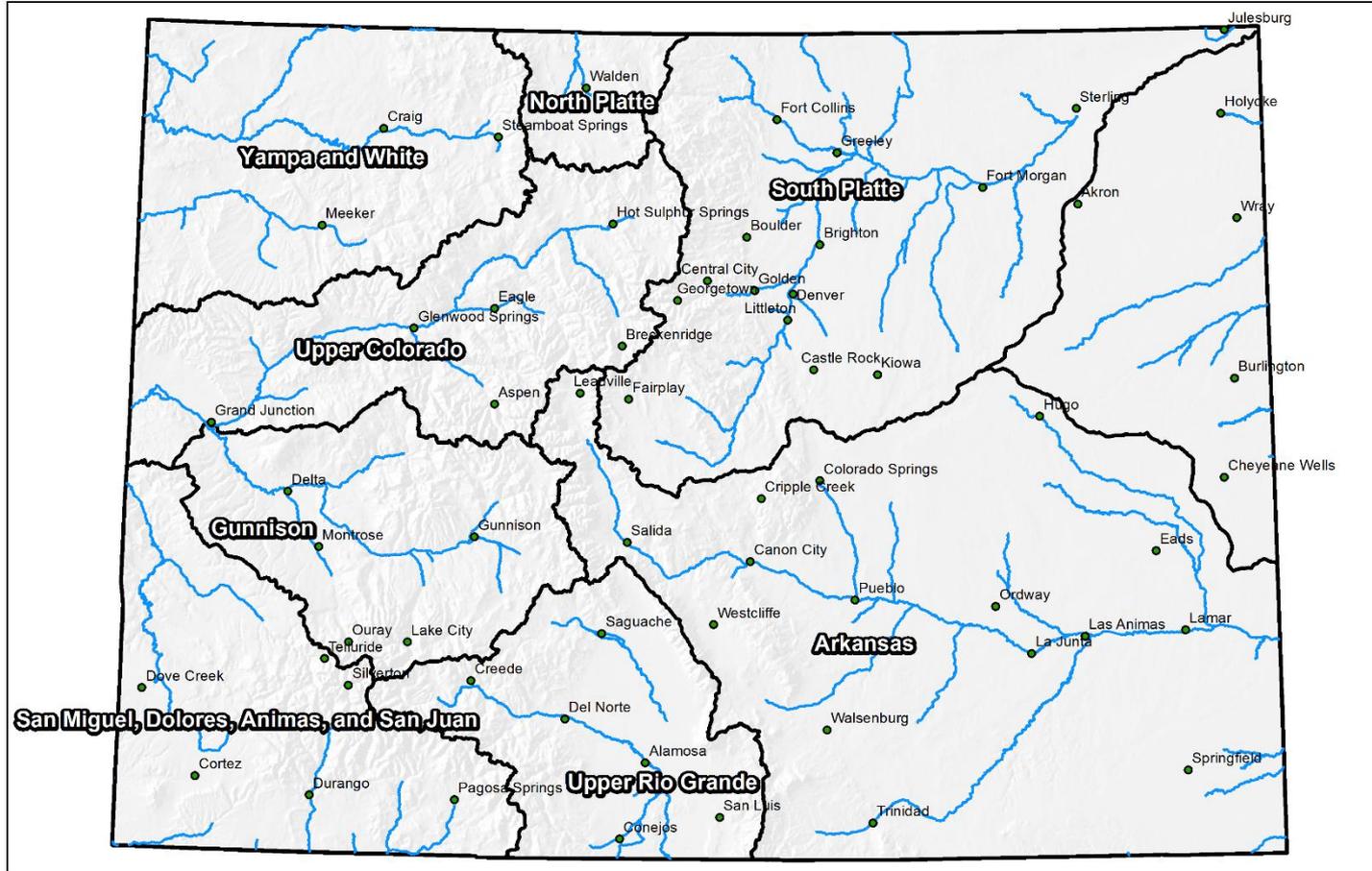


ARKANSAS RIVER BASIN Reservoir Storage Departure from Average



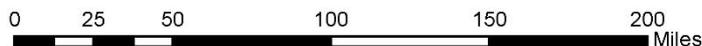
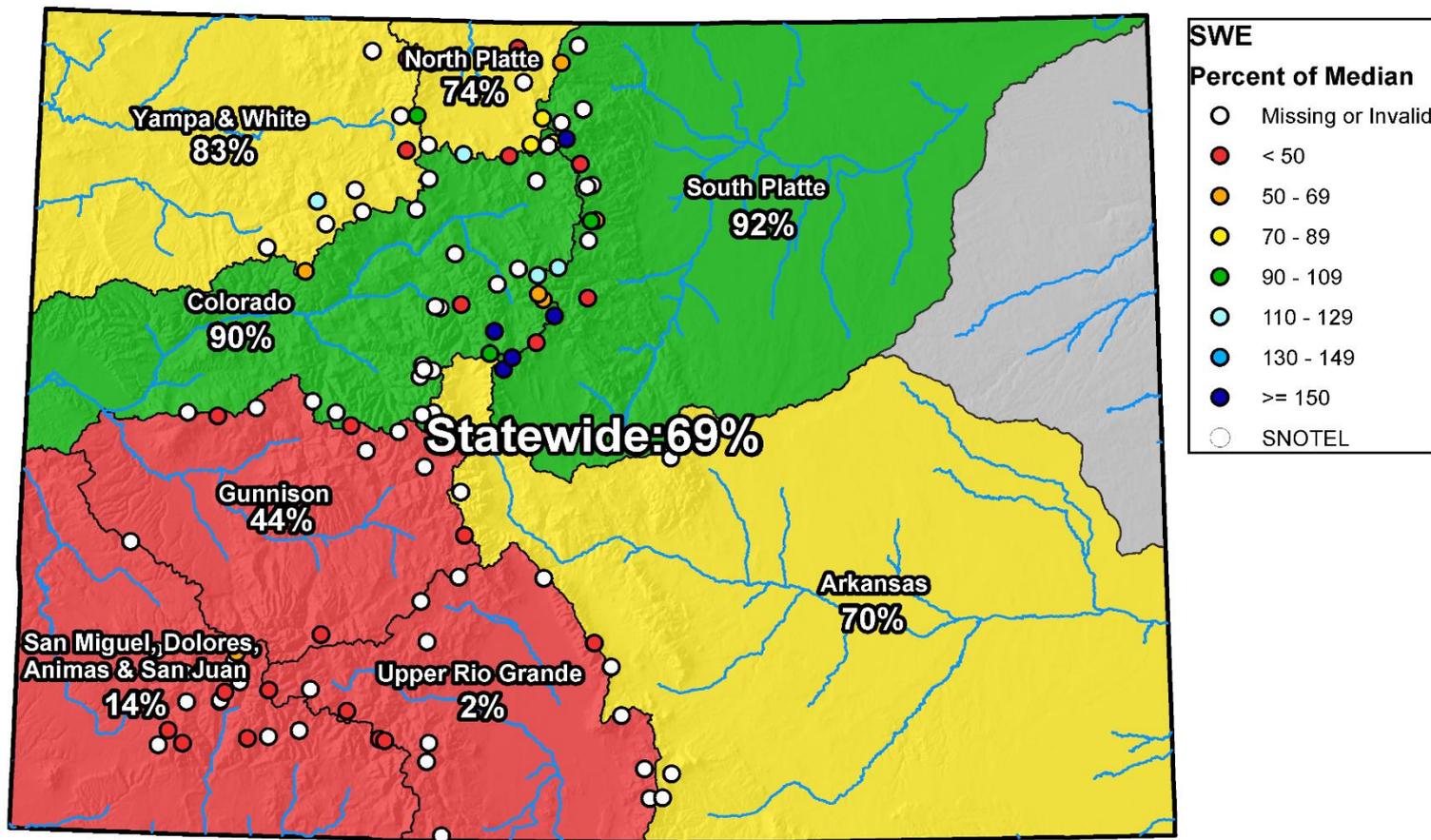
Colorado Statewide Summary

Colorado Major Basins



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

Current as of May 27, 2020



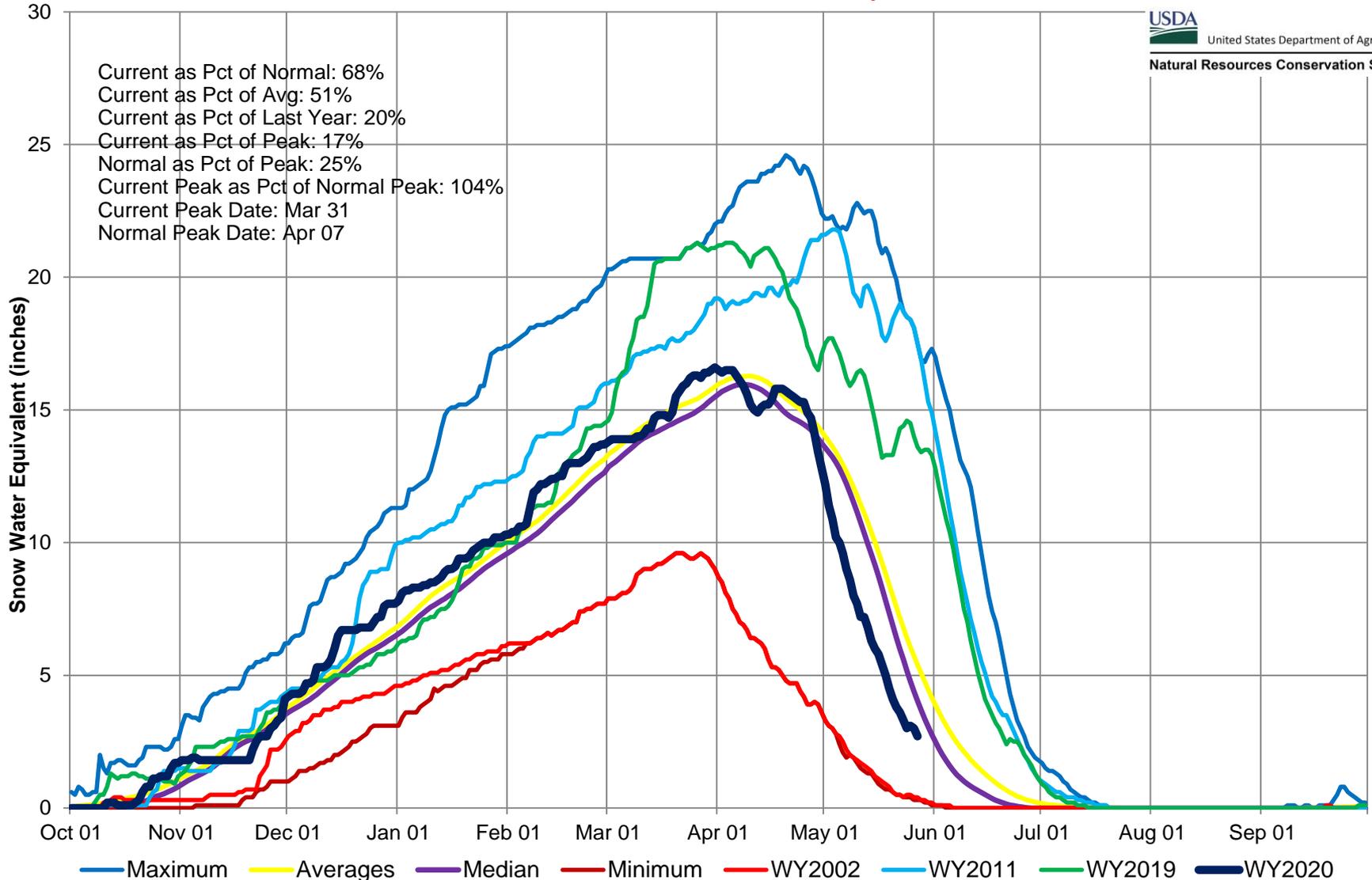


Colorado Statewide High/Low Snowpack Summary

Based on Provisional SNOTEL data as of May 27, 2020



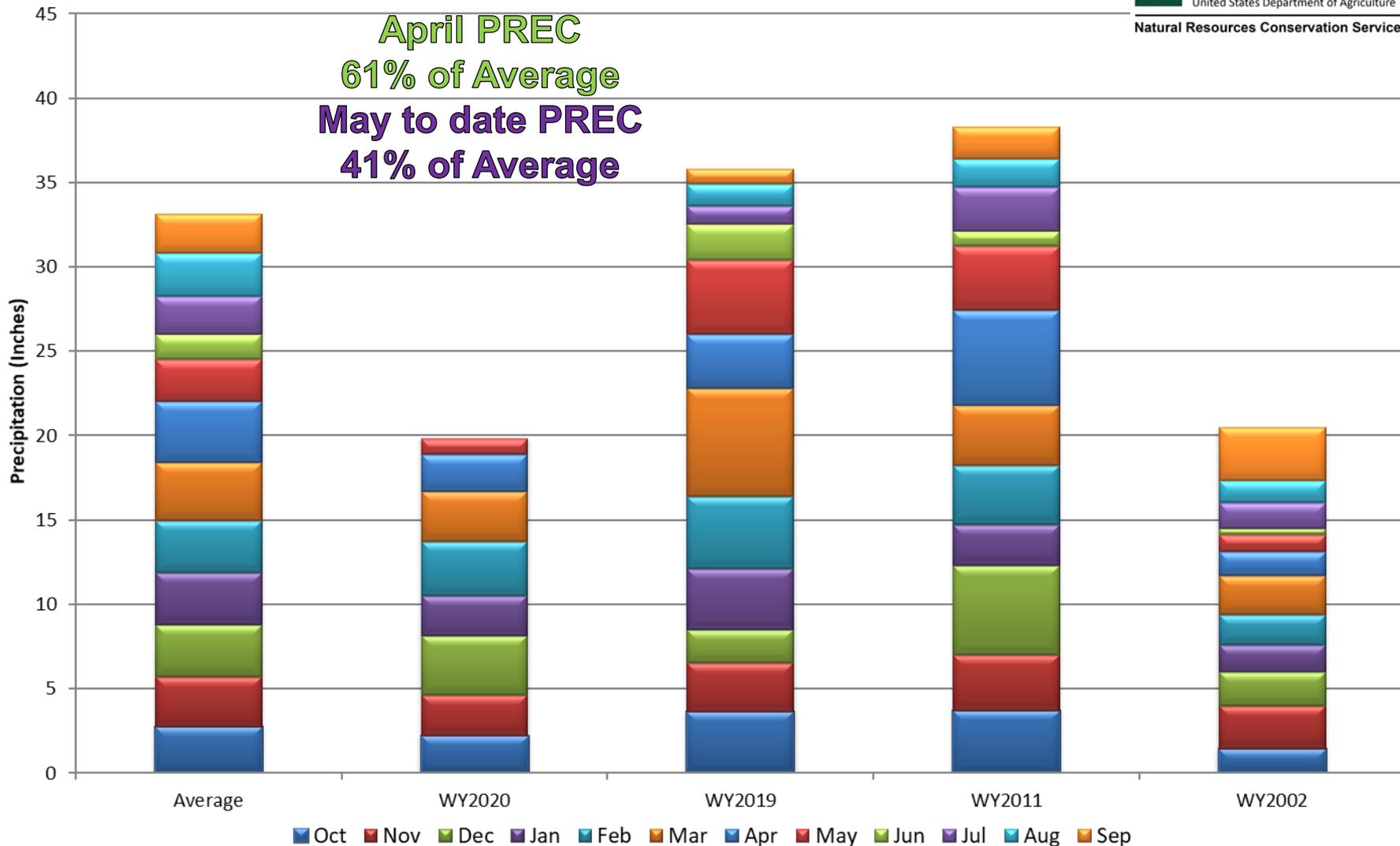
Current as Pct of Normal: 68%
 Current as Pct of Avg: 51%
 Current as Pct of Last Year: 20%
 Current as Pct of Peak: 17%
 Normal as Pct of Peak: 25%
 Current Peak as Pct of Normal Peak: 104%
 Current Peak Date: Mar 31
 Normal Peak Date: Apr 07



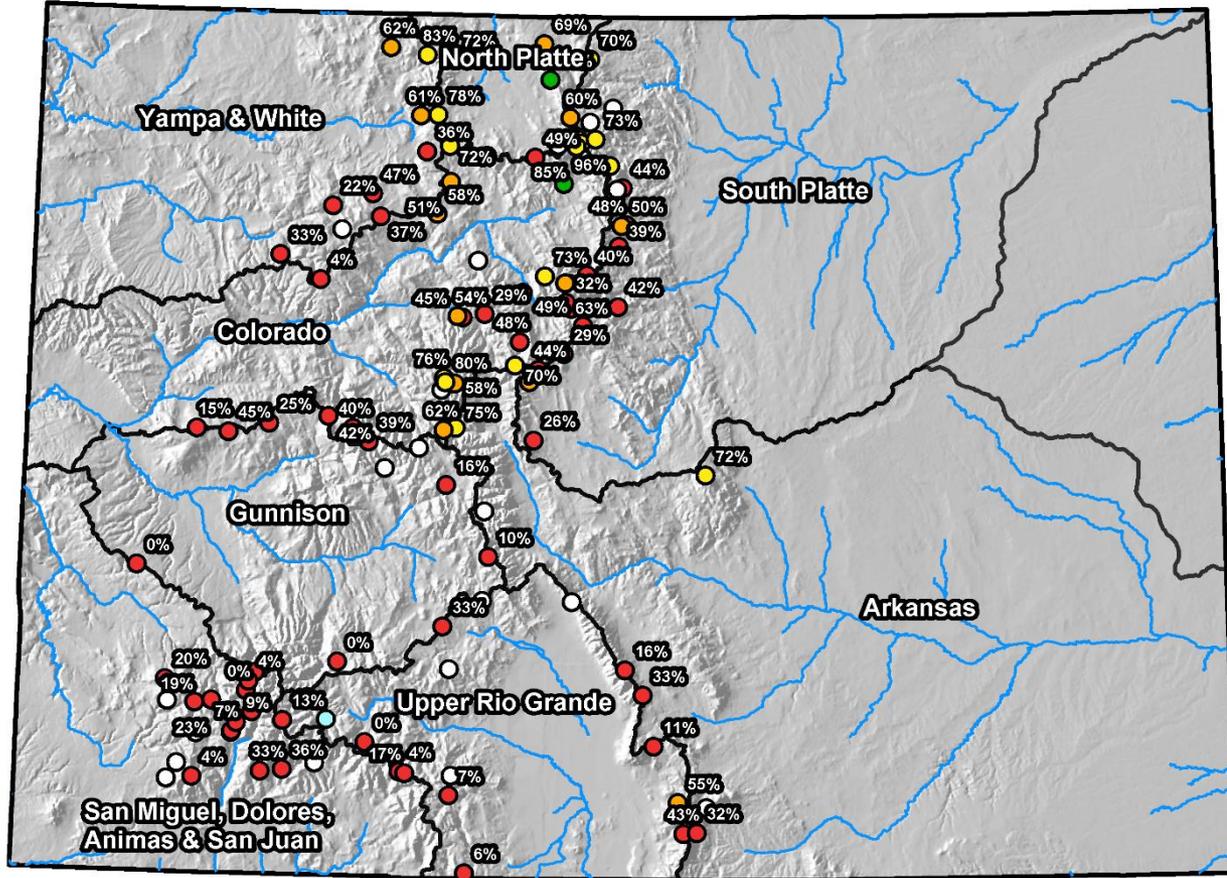
Colorado Statewide High/Low Monthly Precipitation Summary

Based on Provisional SNOTEL data as of May 27, 2020

April PREC
61% of Average
May to date PREC
41% of Average



Colorado SNOTEL Month-to-Date Precipitation Current as of May 27, 2020



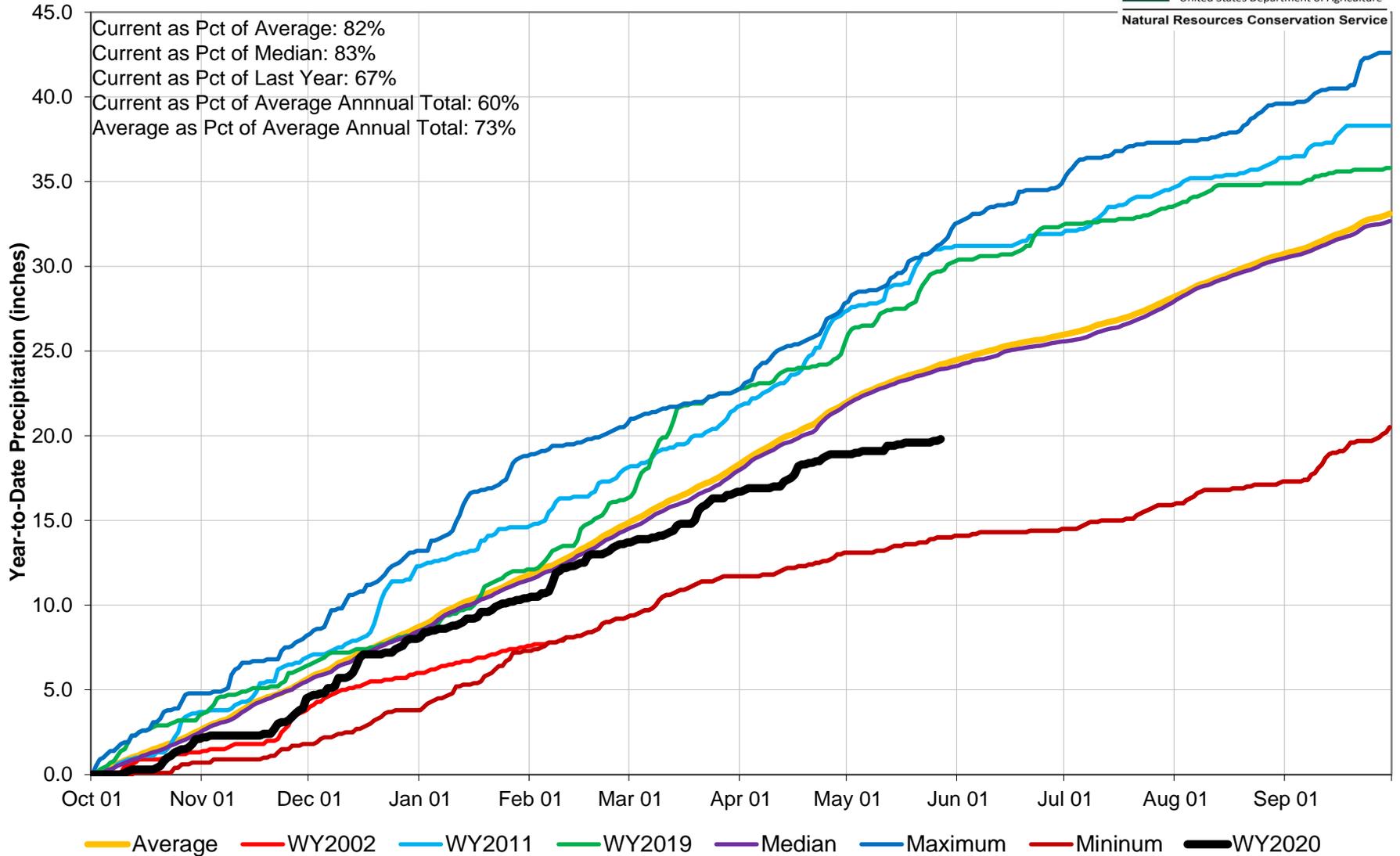
**MTD Precipitation
Percent of Average**

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

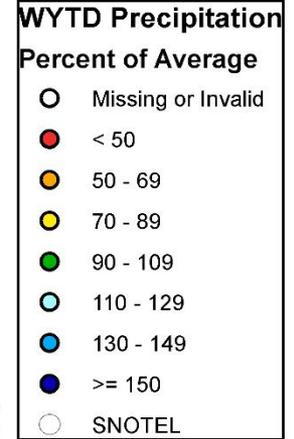
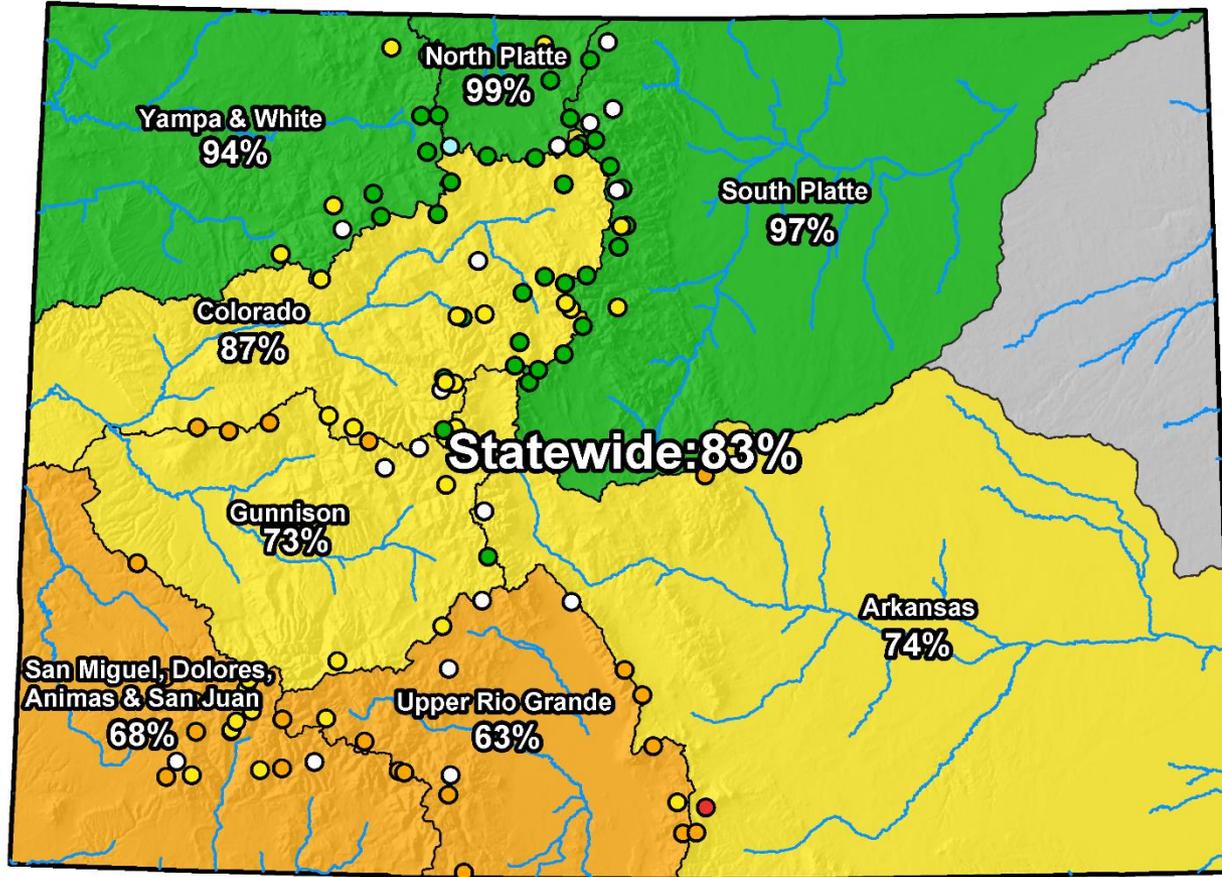


Colorado Statewide High/Low Year-to-Date Precipitation Summary

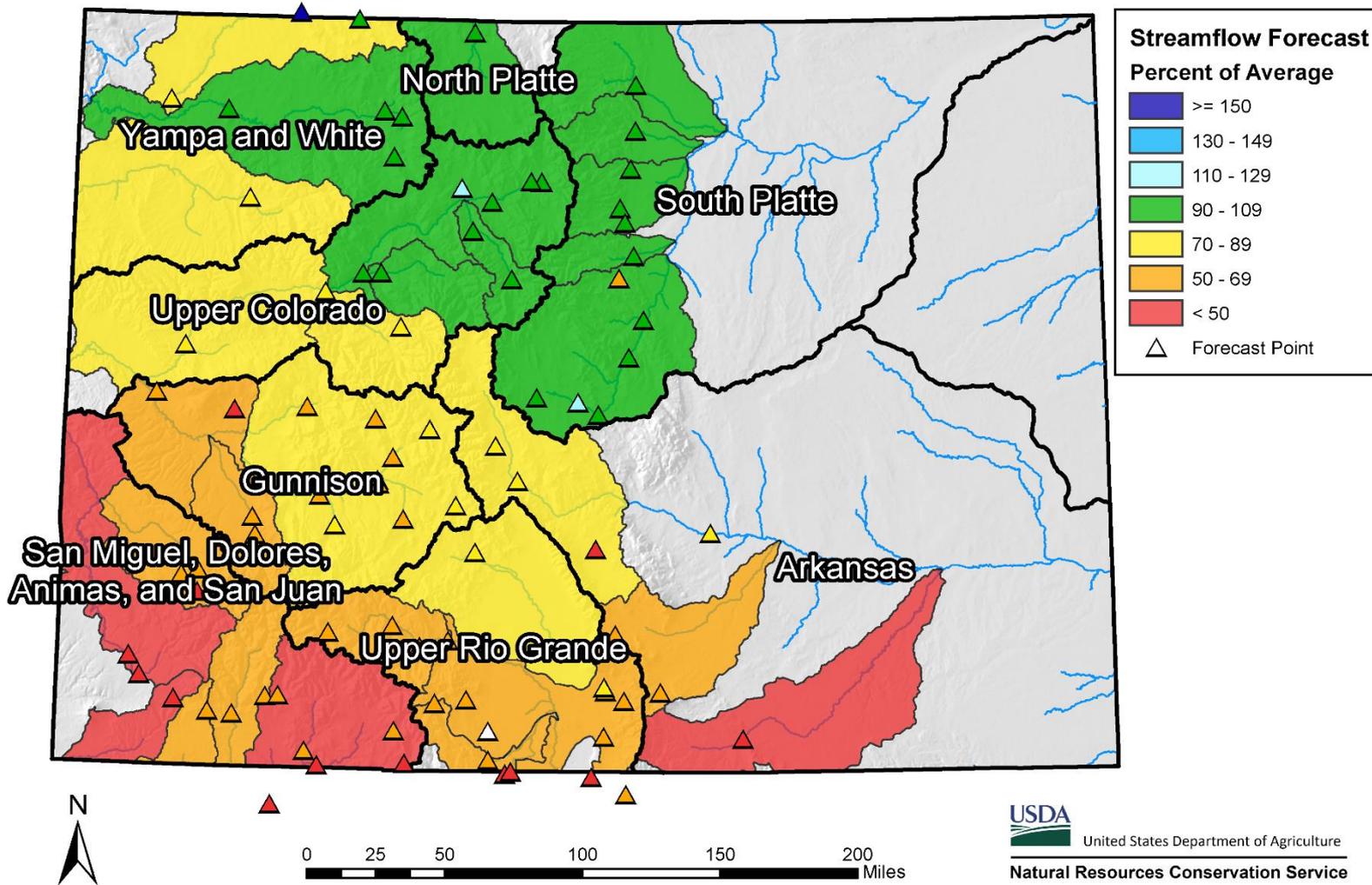
Based on Provisional SNOTEL data as of May 27, 2020



Colorado SNOTEL Water Year to Date Precipitation Current as of May 27, 2020

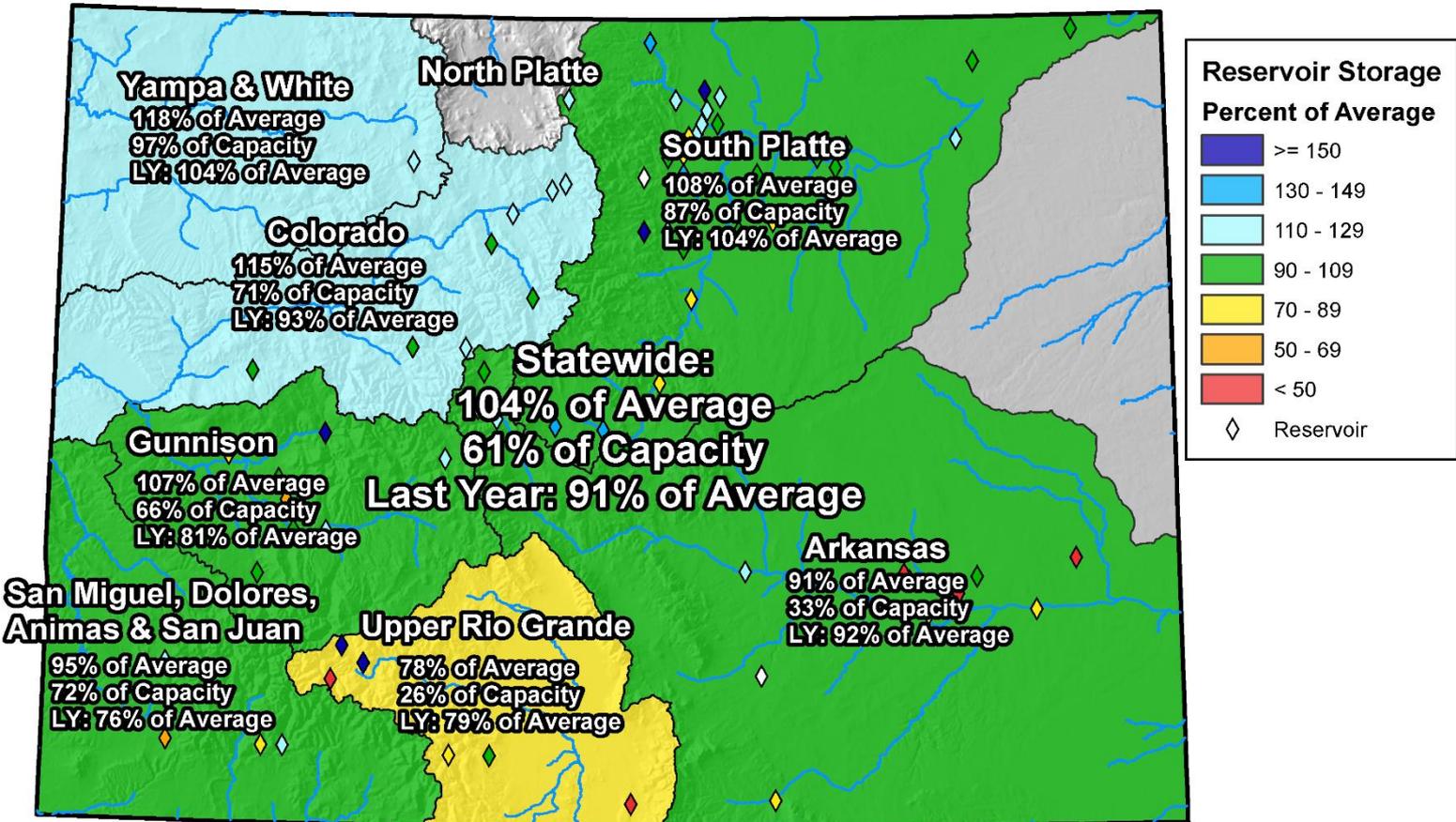


Colorado Streamflow Forecasts Summary May 1, 2020



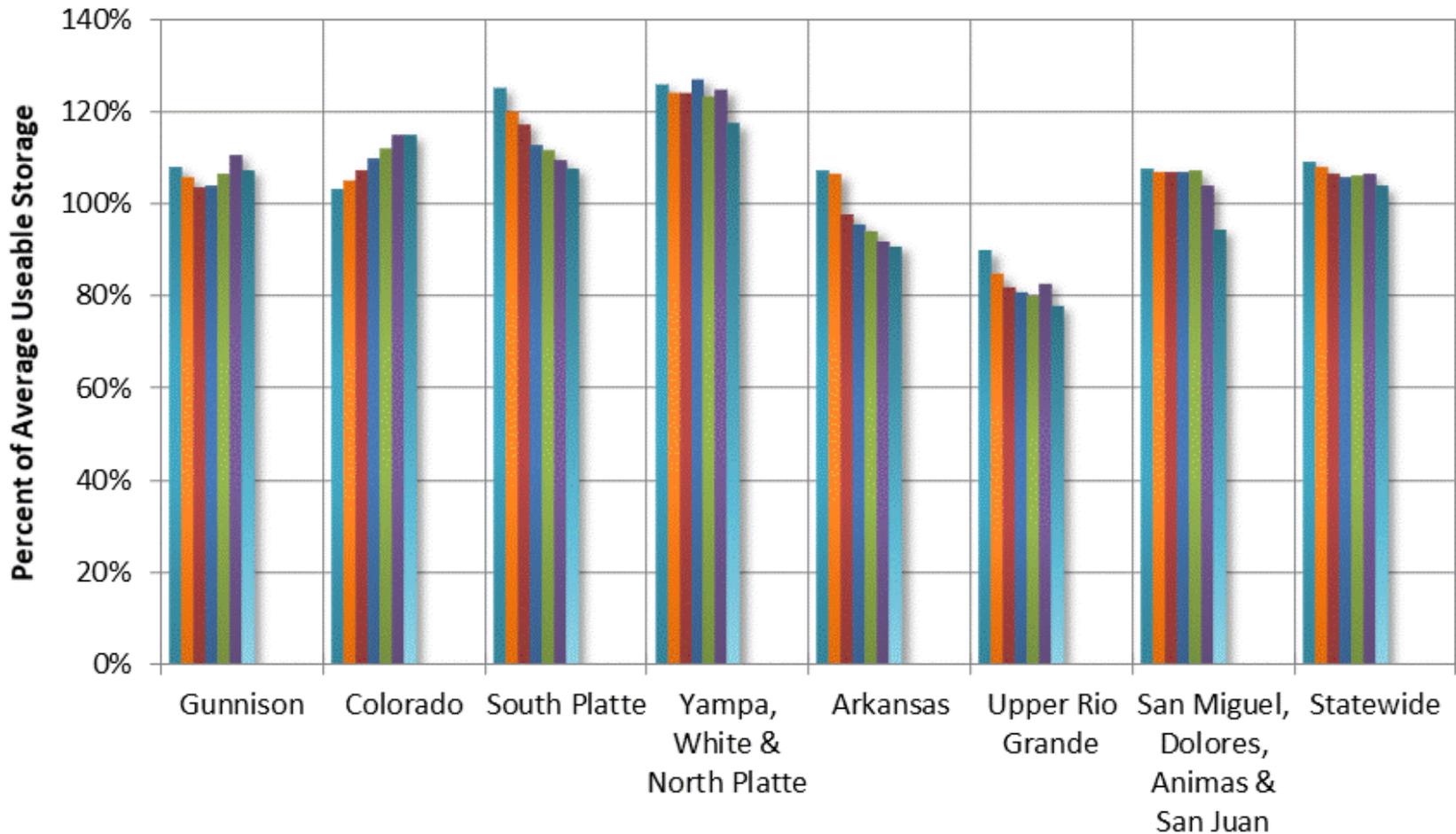
Colorado Monthly Reservoir Storage Summary

End of April 2020



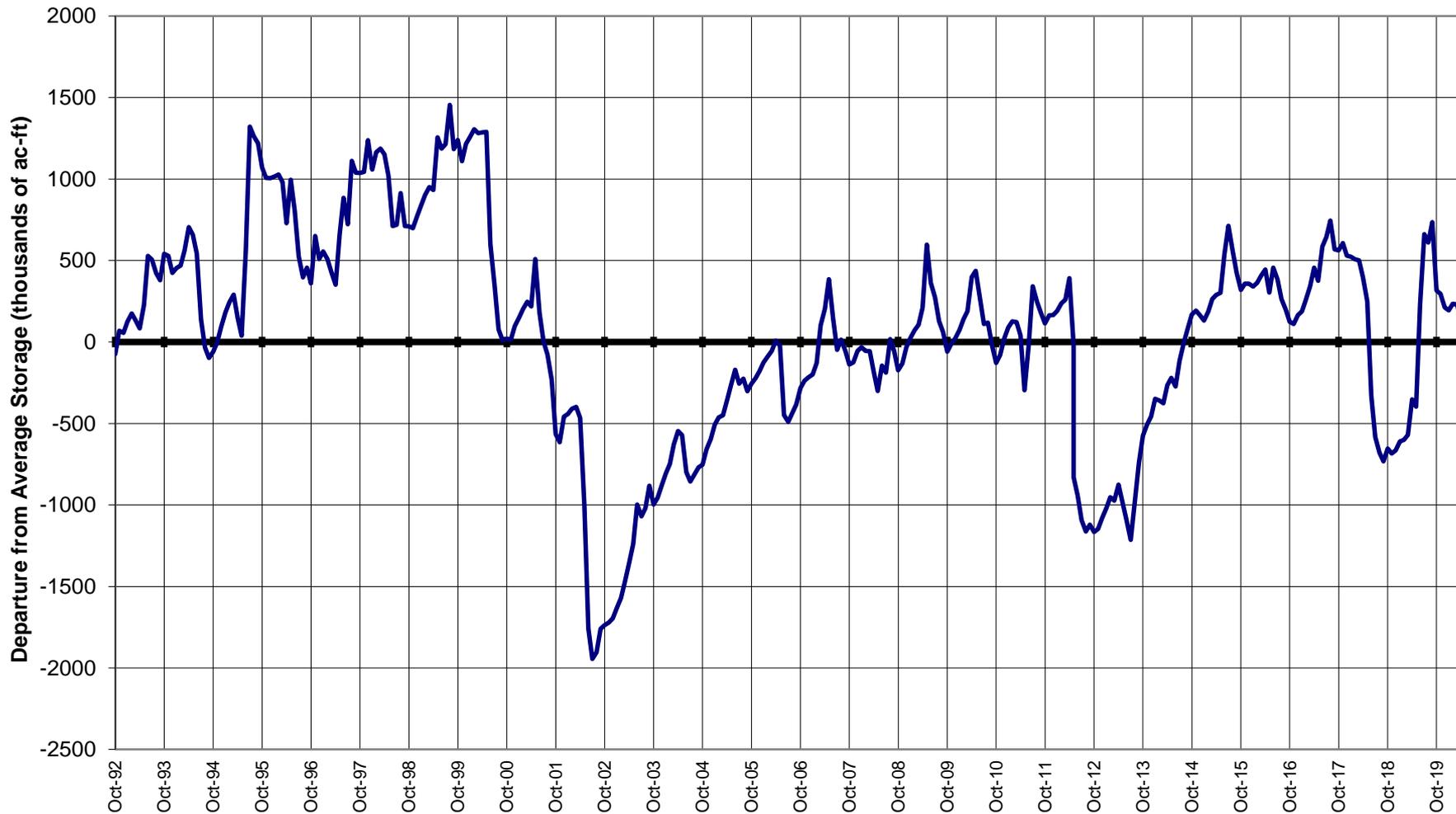
Colorado Reservoir Storage

■ Oct-19 ■ Nov-19 ■ Dec-19 ■ Jan-20 ■ Feb-20 ■ Mar-20
■ Apr-20 ■ May-20 ■ Jun-20 ■ Jul-20 ■ Aug-20 ■ Sep-20

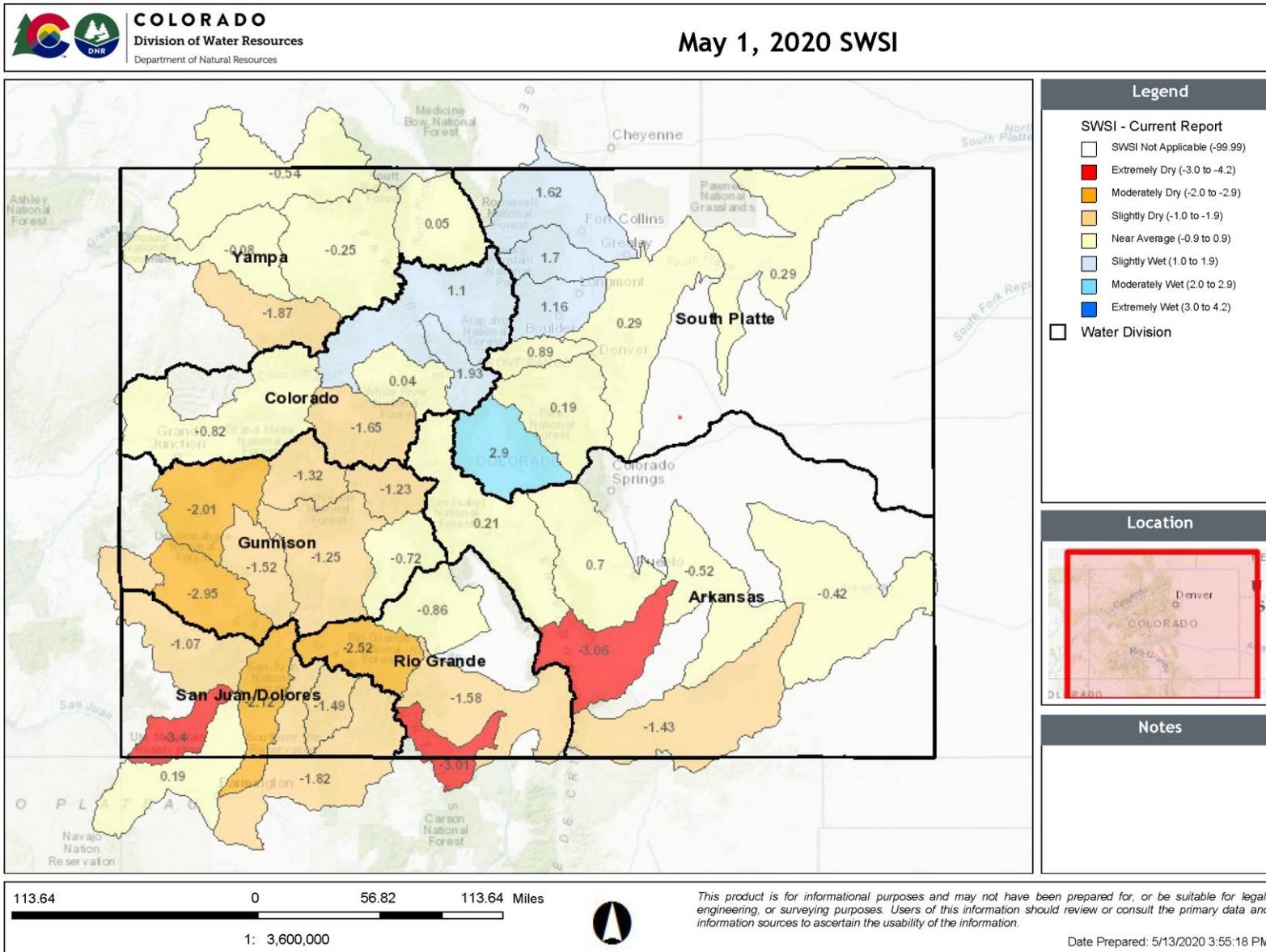




COLORADO STATEWIDE Reservoir Storage Departure from Average



May 1, 2020 SWSI



Summary

•Precipitation Statewide

- Statewide water year precip slipped from 86% of normal at the beginning of the month to now 83 (or 83 depending on which product) % of normal.
- Month to date precipitation continues below normal trend. Statewide precip was 41% of normal, with the SMDASJ only 10% of normal so far this month.

•Statewide snowpack has decreased from slightly above normal at its peak in early April to now 69% of normal.

- Snowpack melt rates were well above normal at times in April

•Basin-wide reservoir storage remains above average in all major basins except for the Rio Grande

•Streamflow forecasts range from 37% (Surface Ck nr Cedaredge) to 111% (Spinney Res Inflow) of median values

- Dry fall precip is having implications on stream flow forecasts
- However based on May to date precip fcsts will likely continue to fall



Water Availability Task Force Meeting

May 28th, 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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