



United States Department of Agriculture

Colorado Snow Surveys

Water Availability Task Force Meeting

January 22nd, 2019

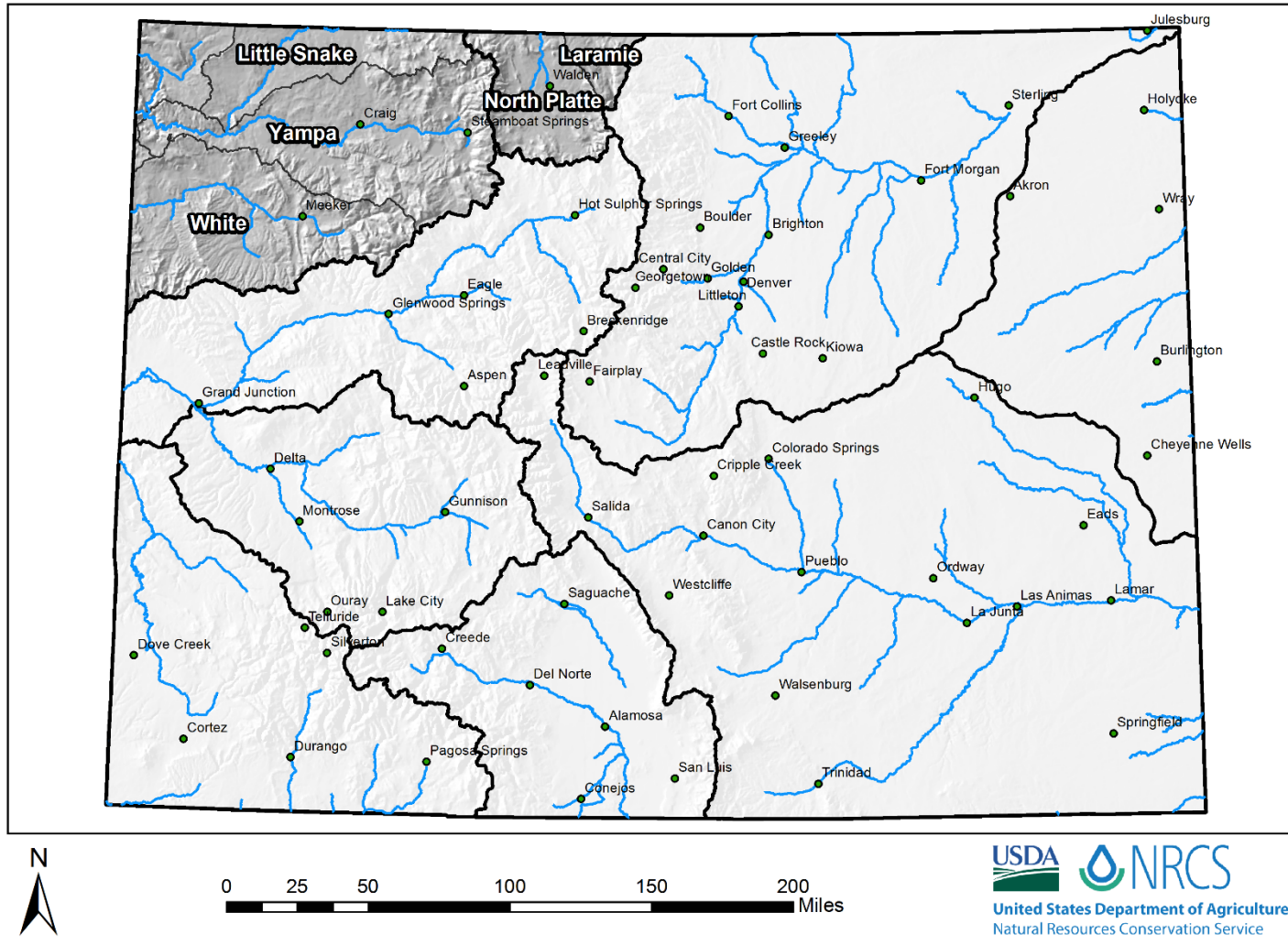
NRCS Snow Survey and Water Supply Forecasting Program

Brian Domonkos
Hydrologist
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





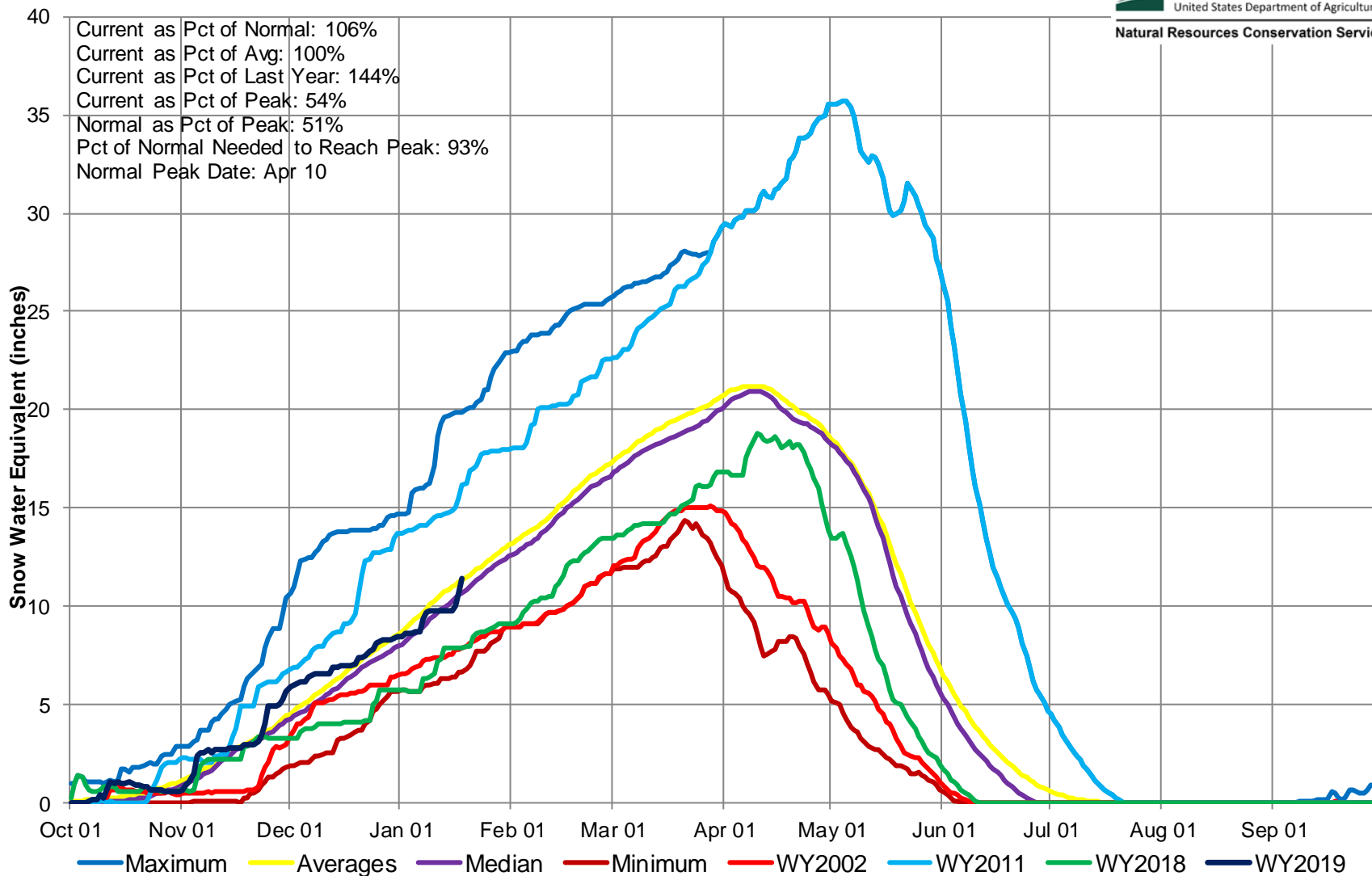
Yampa and White River Basins High/Low Snowpack Summary

Based on Provisional SNOTEL data as of Jan 18, 2019



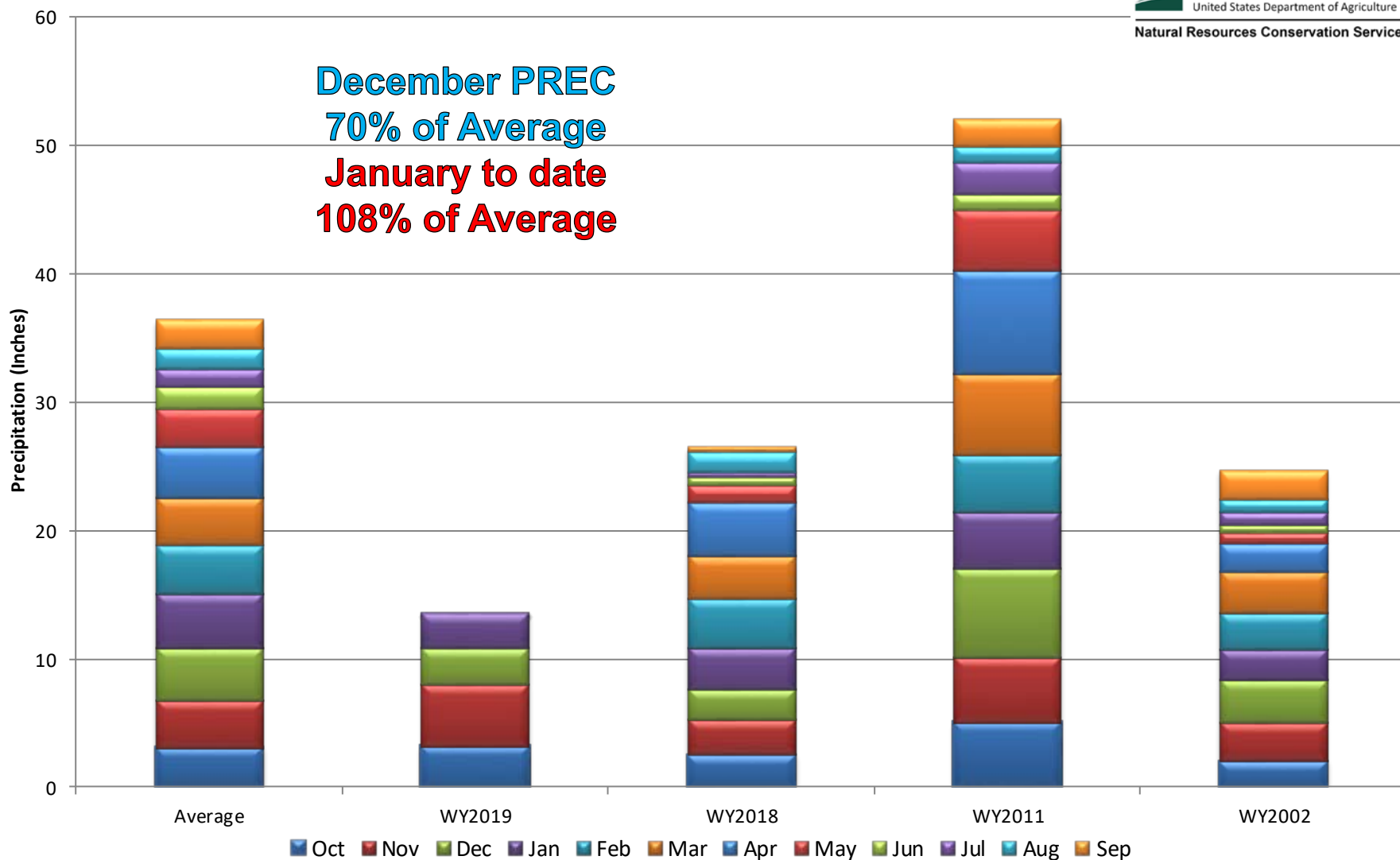
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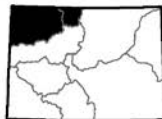
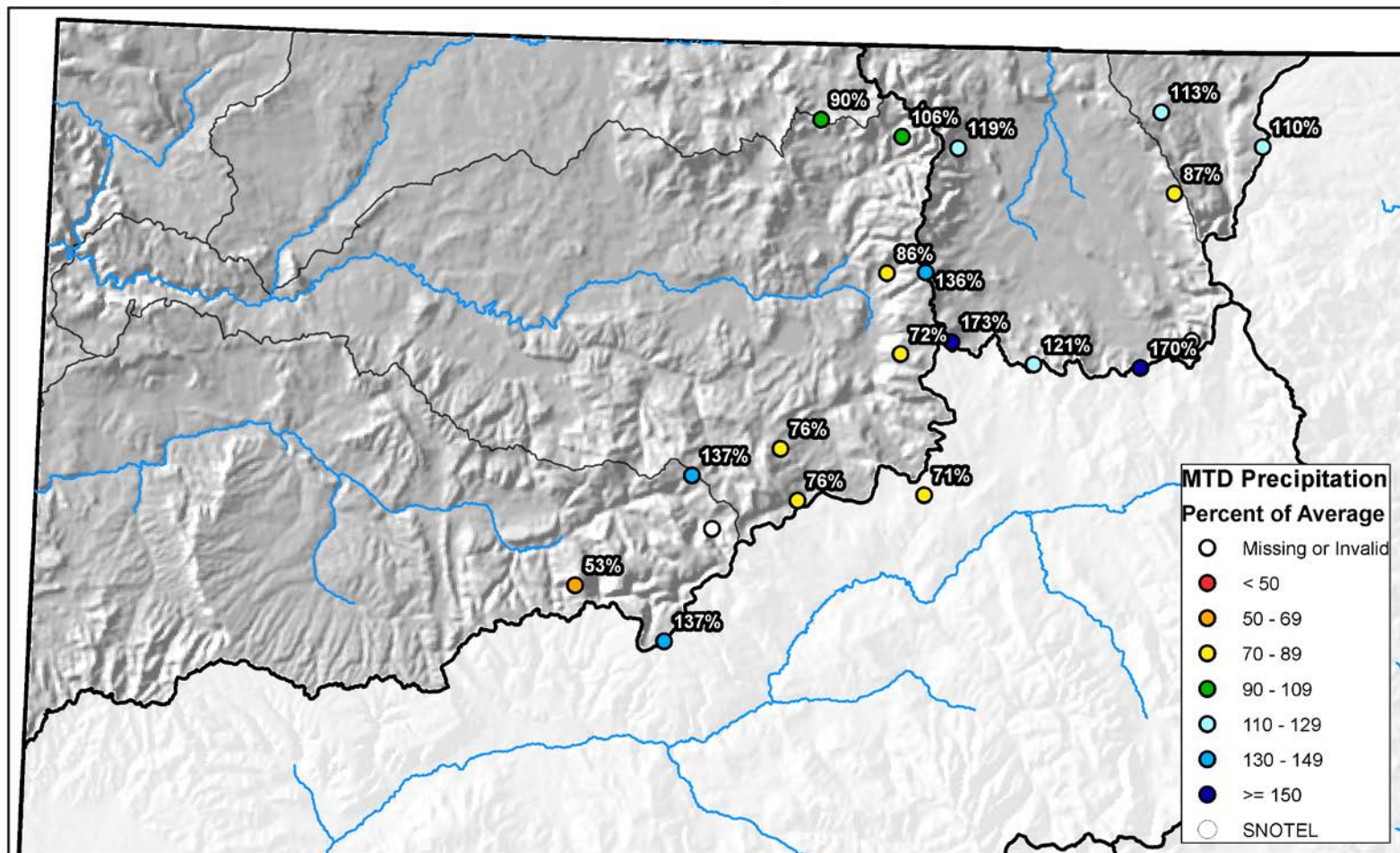


Yampa and White River Basins High/Low Monthly Precipitation Summary

Based on Provisional SNOTEL data as of Jan 18, 2019



Yampa, White, and North Platte River Basins Month to Date Precipitation Summary Current as of Jan 18, 2019

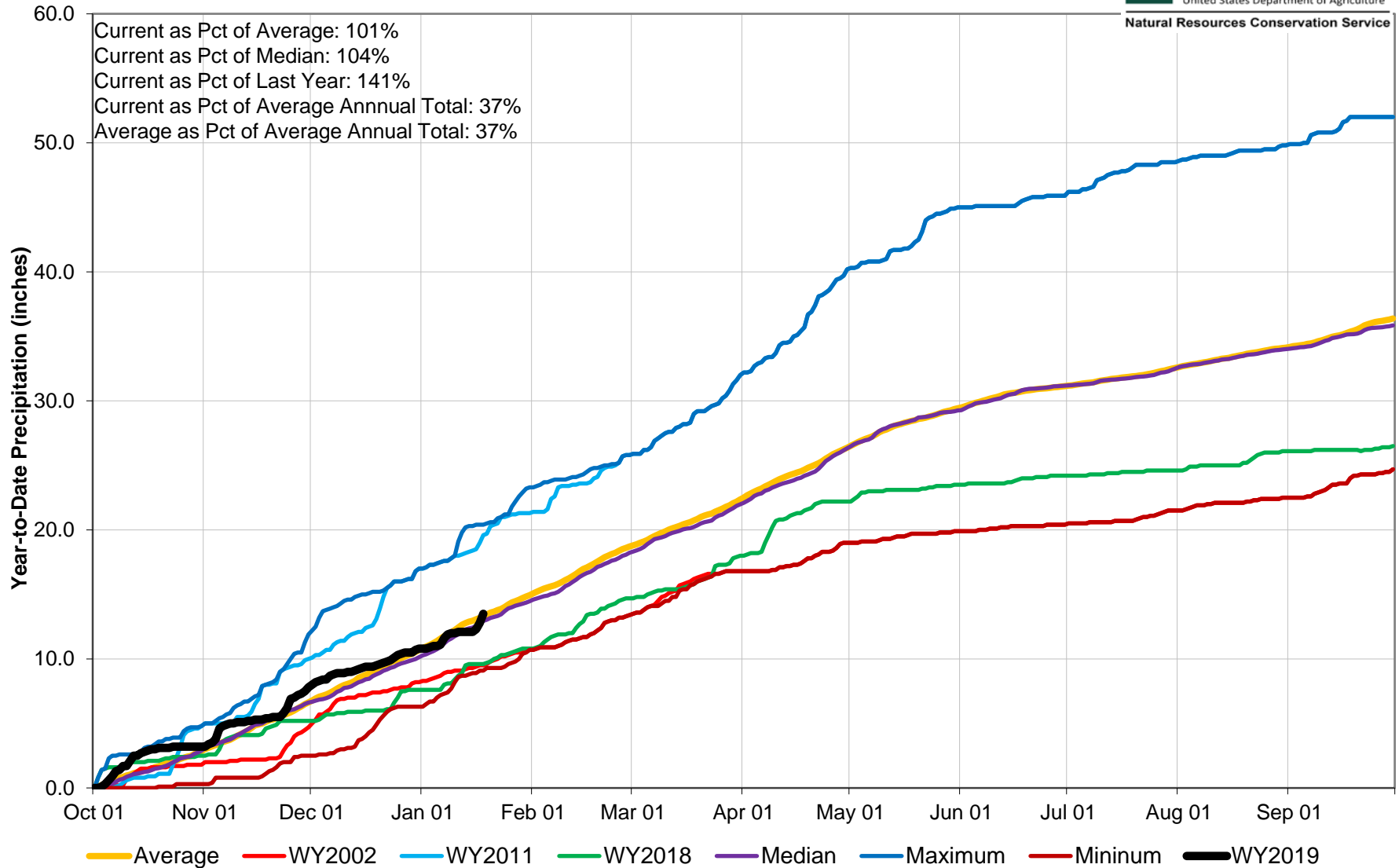


0 10 20 40 60 80 Miles



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

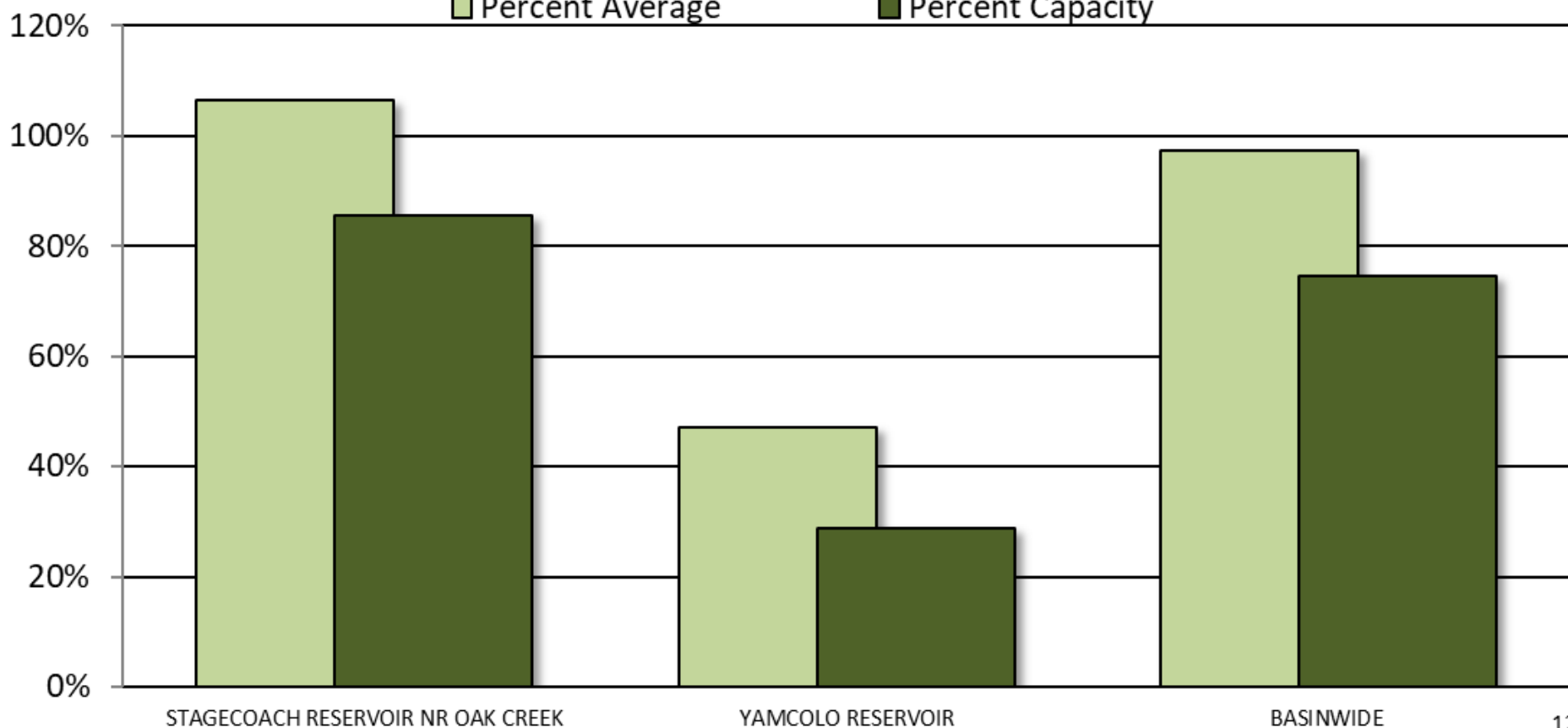
Based on Provisional SNOTEL data as of Jan 18, 2019



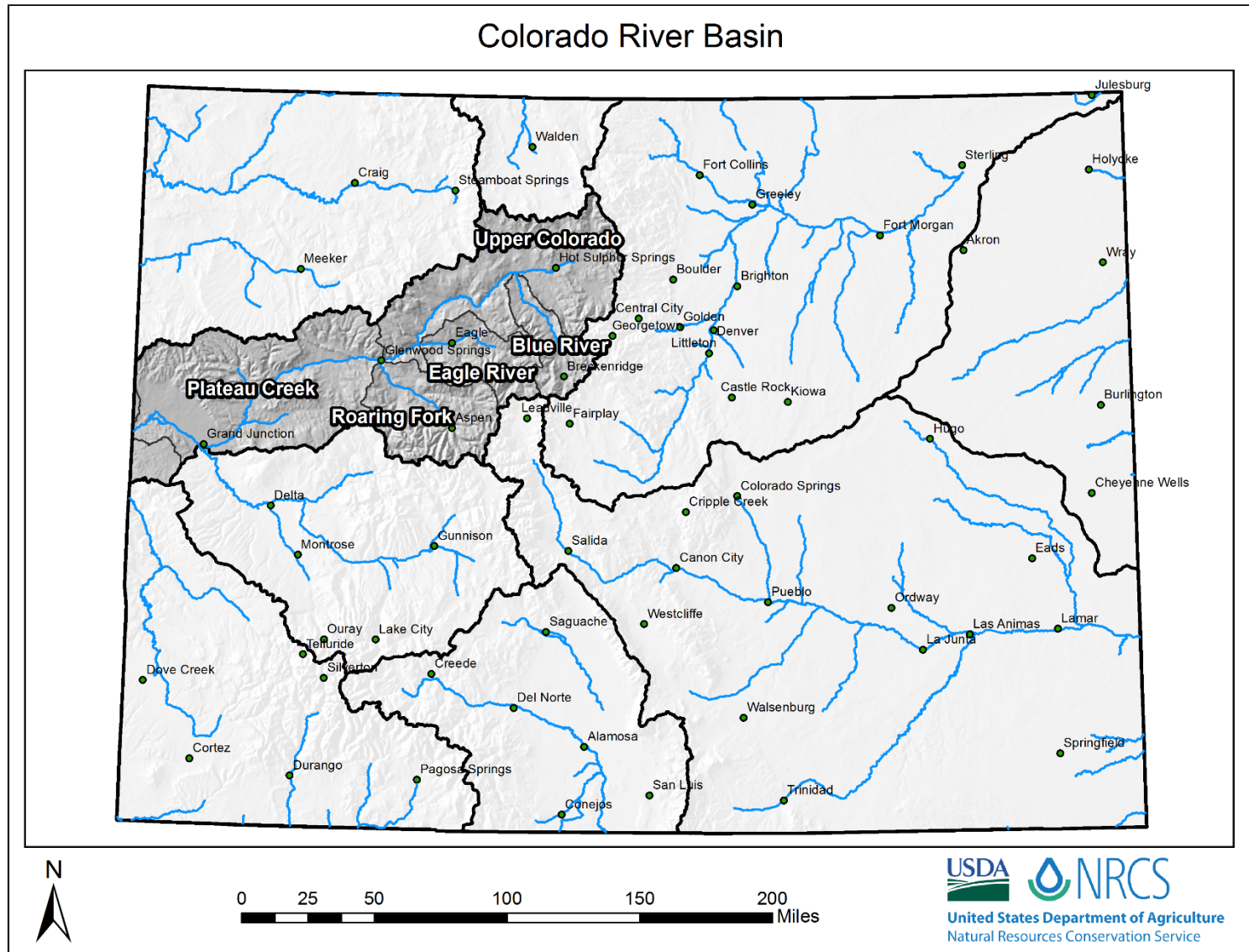
Reservoir Storage

■ Percent Average

■ Percent Capacity



Major Basin Summary





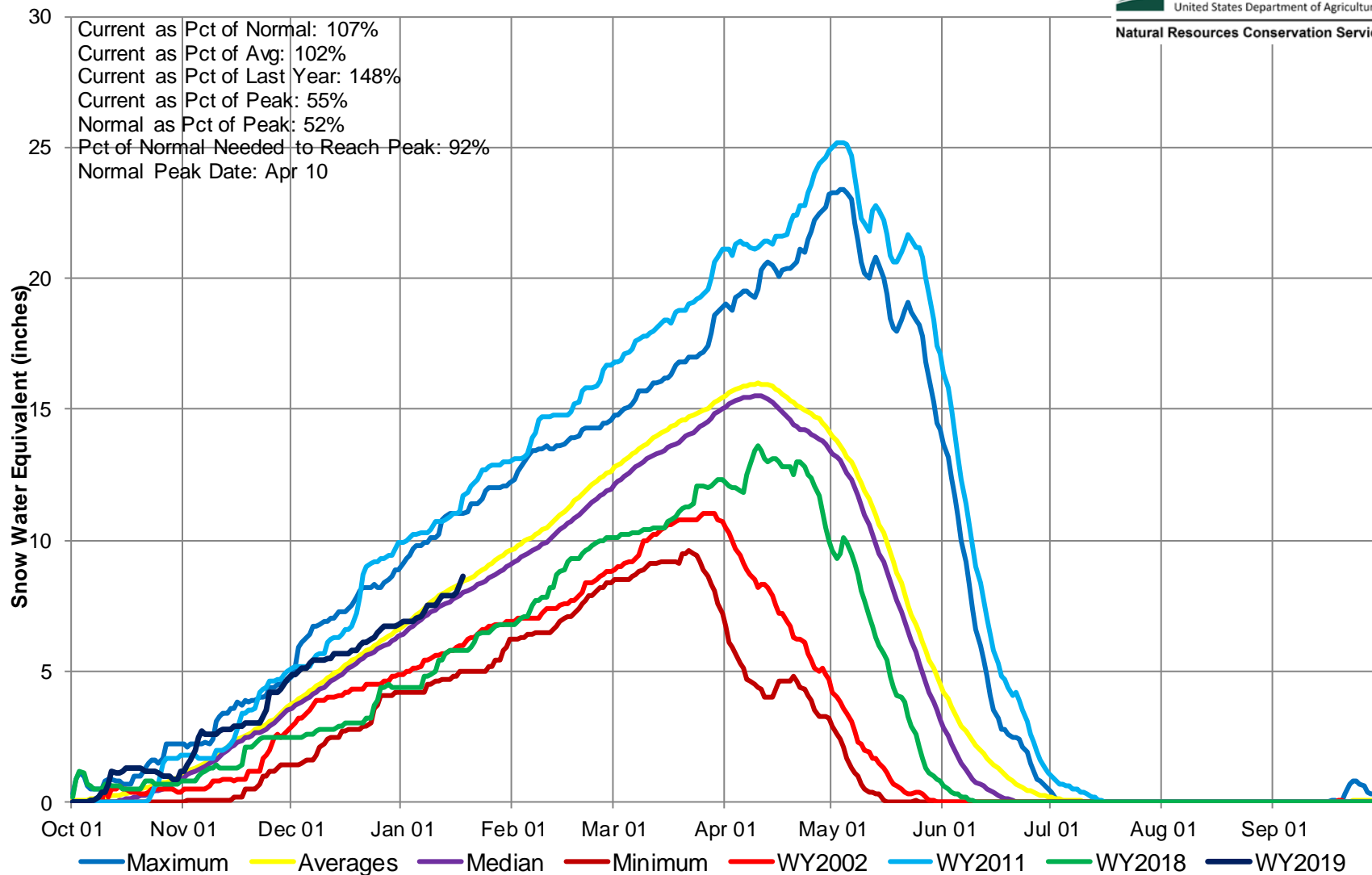
Upper Colorado River Basin High/Low Snowpack Summary

Based on Provisional SNOTEL data as of Jan 18, 2019



United States Department of Agriculture

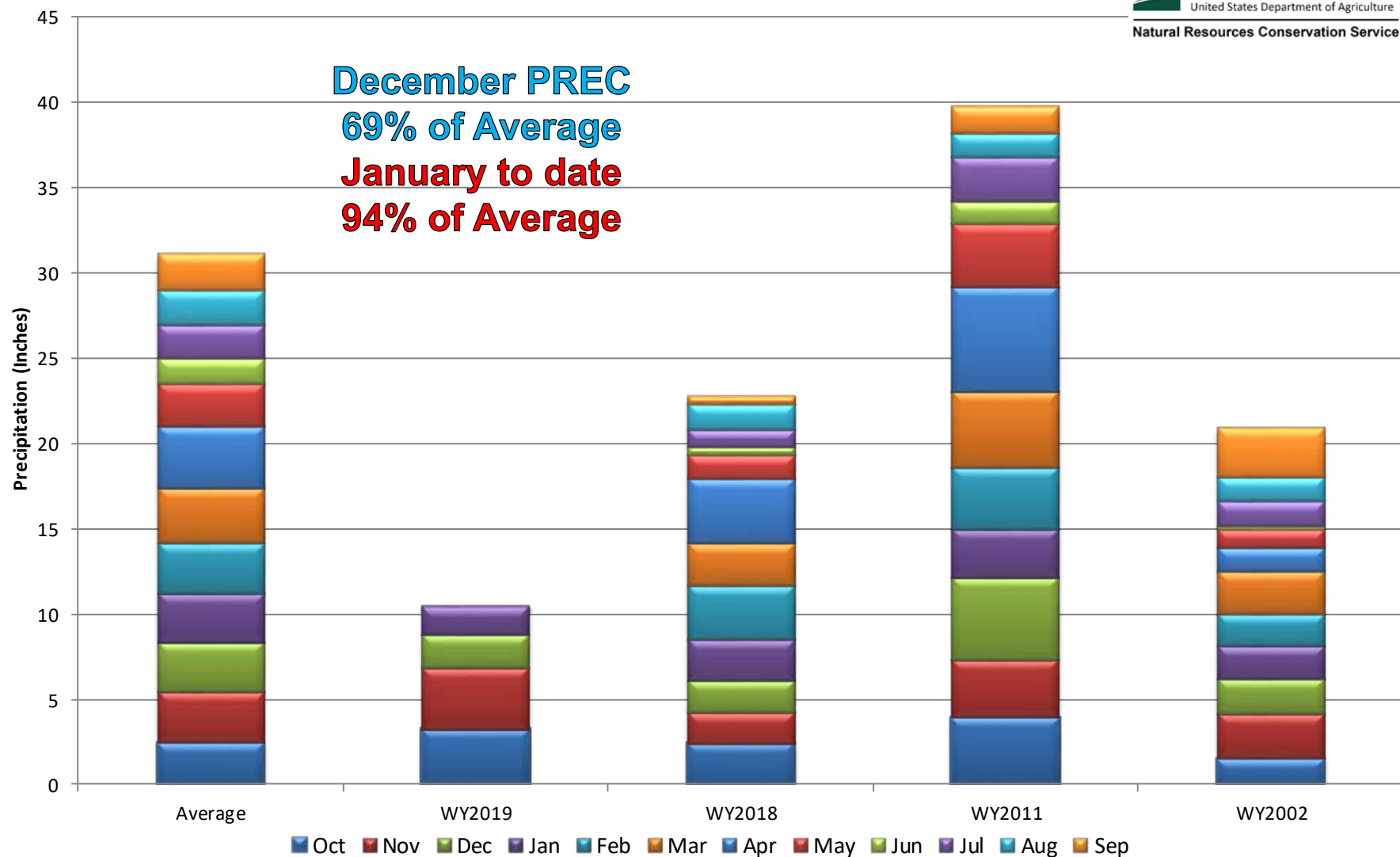
Natural Resources Conservation Service





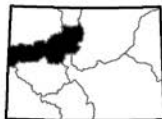
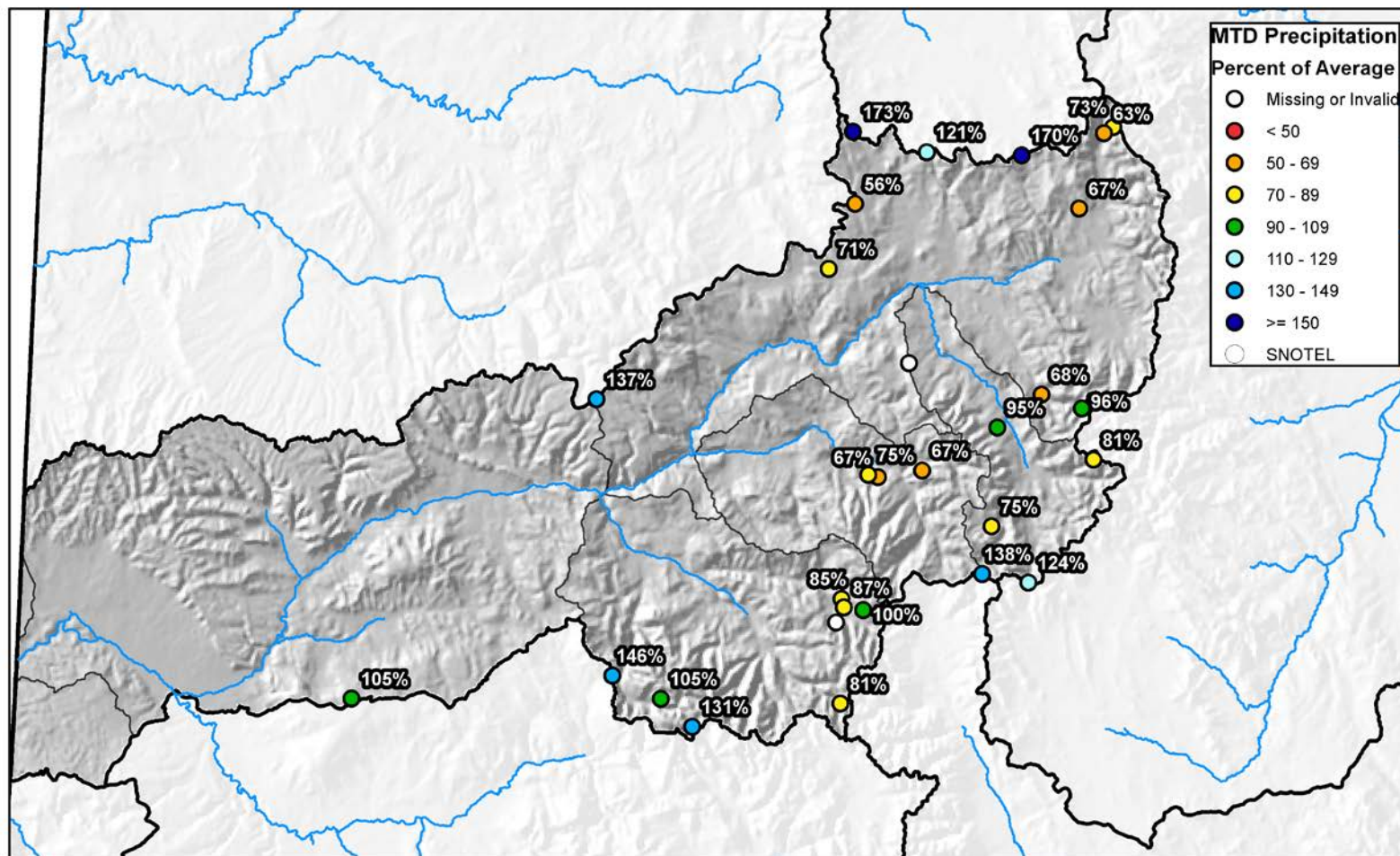
Upper Colorado River Basin High/Low Monthly Precipitation Summary

Based on Provisional SNOTEL data as of Jan 18, 2019



Upper Colorado River Basin Month to Date Precipitation Summary

Current as of Jan 18, 2019



0 10 20 40 60 80 Miles



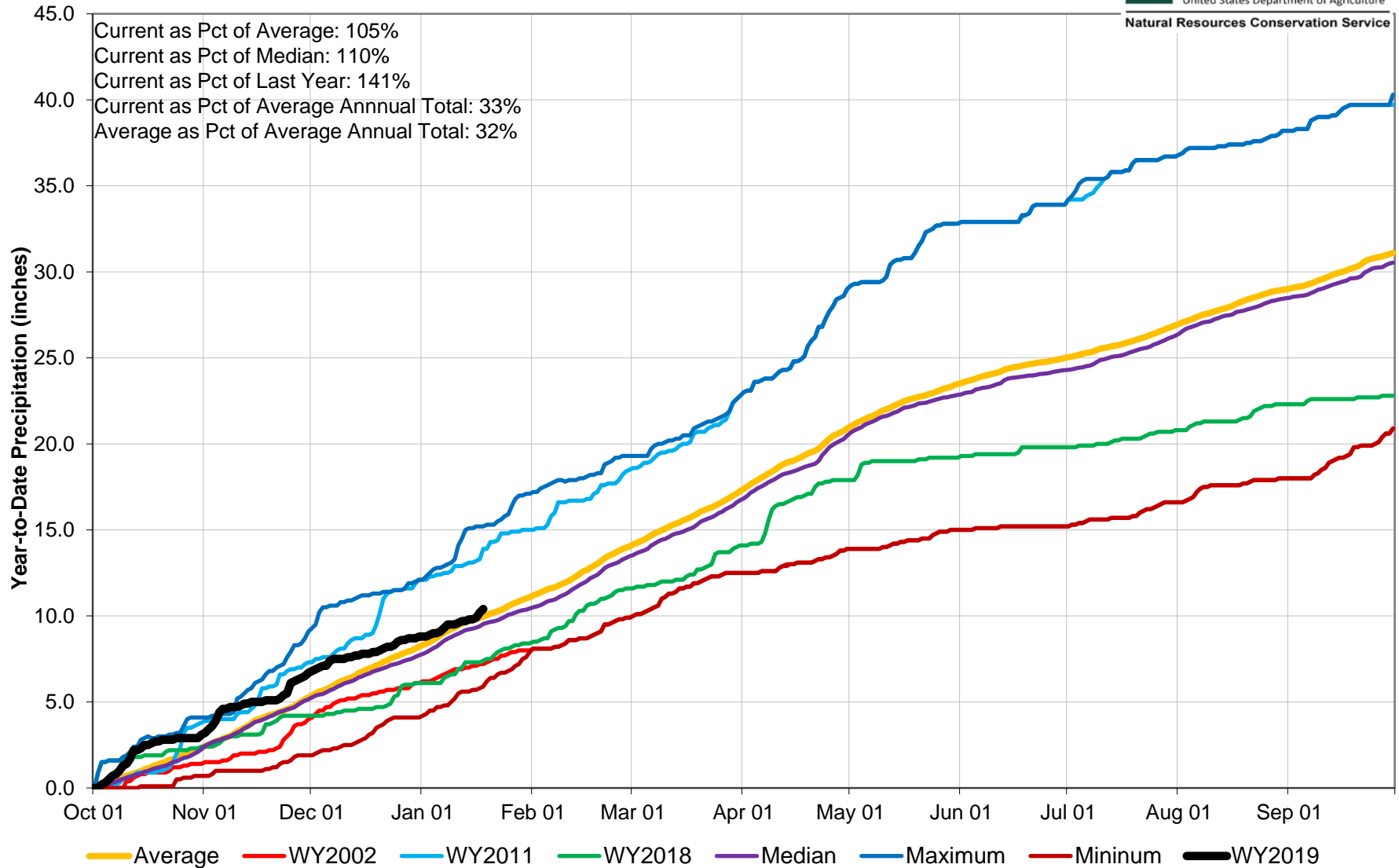
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Upper Colorado River Basin High/Low Year-to-Date Precipitation Summary

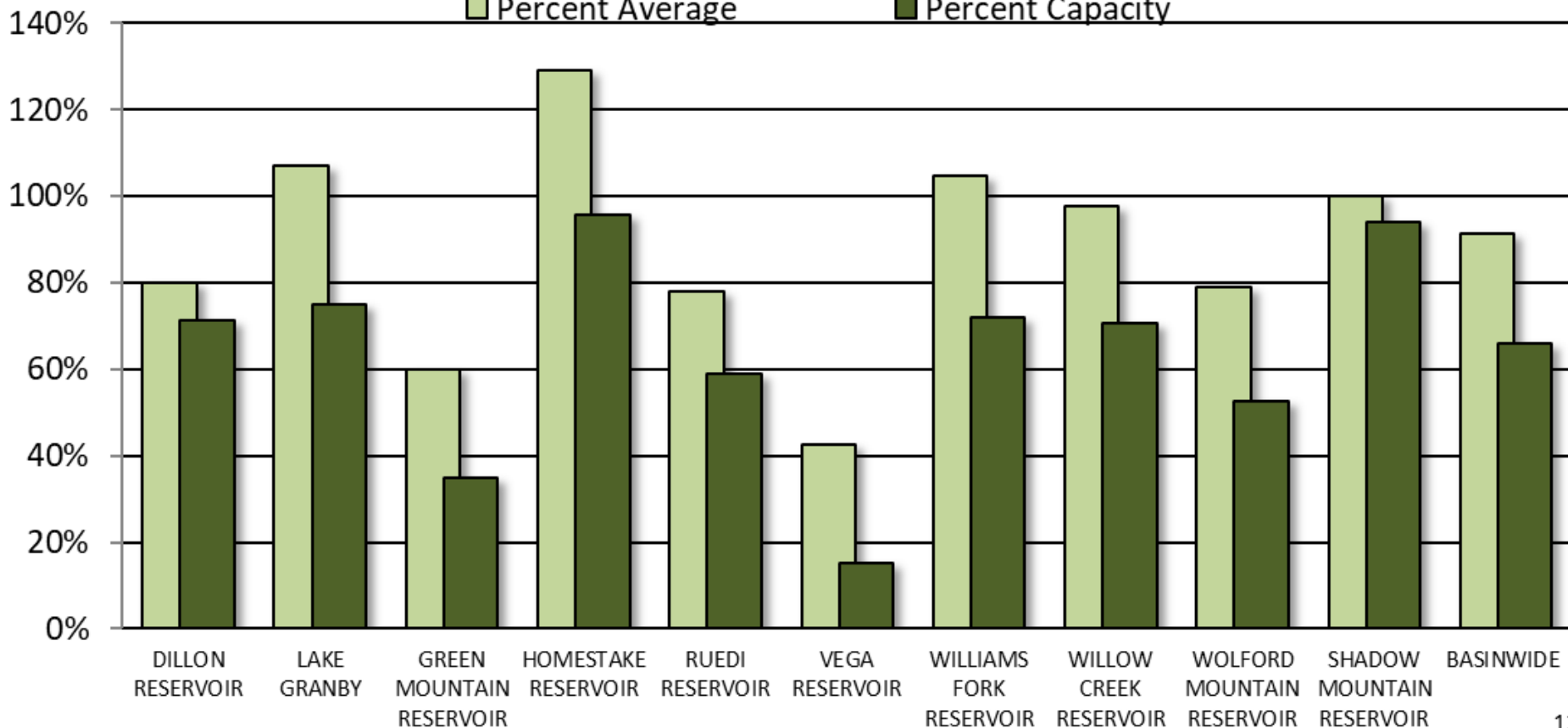
Based on Provisional SNOTEL data as of Jan 18, 2019



Reservoir Storage

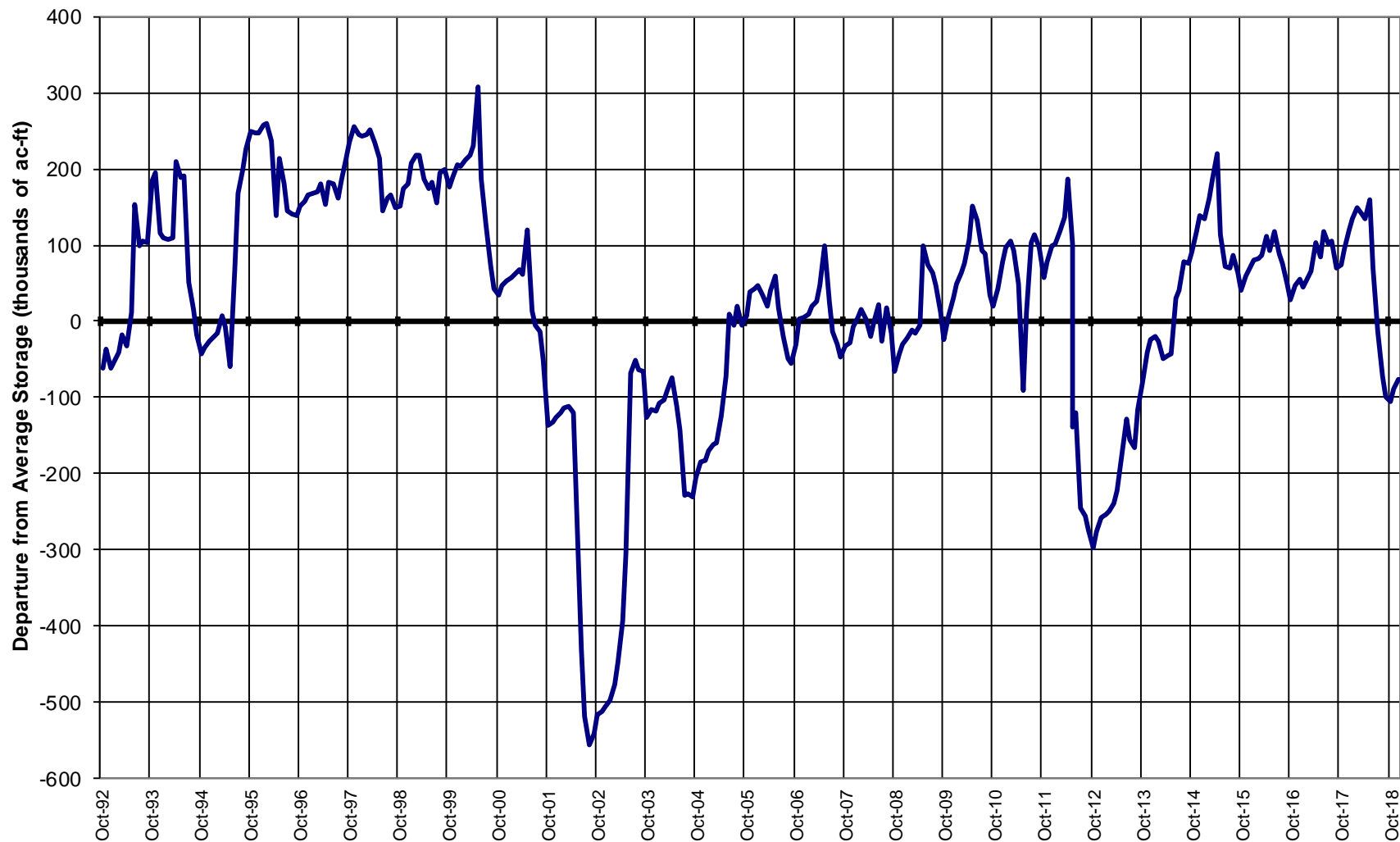
■ Percent Average

■ Percent Capacity



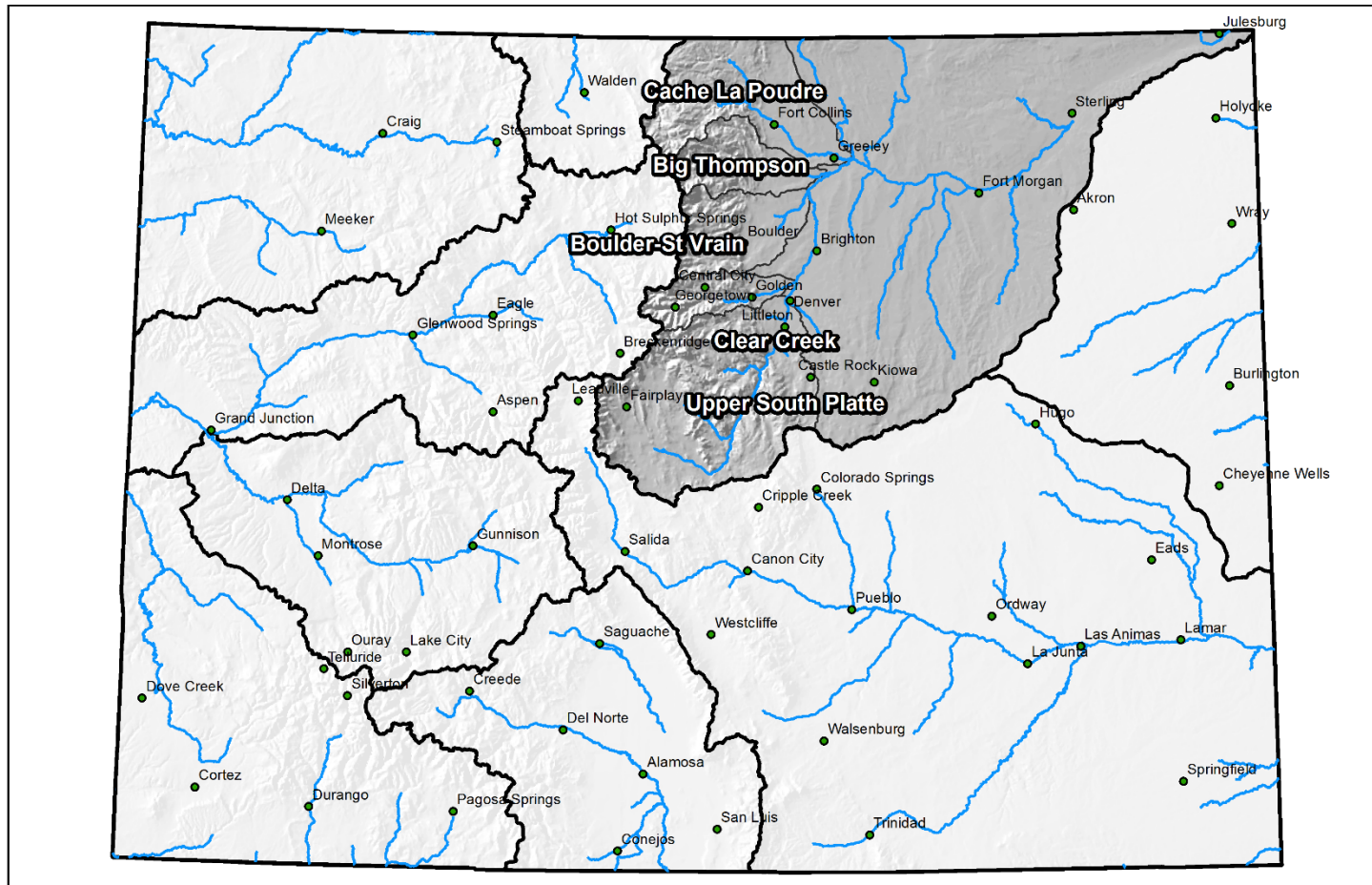


COLORADO RIVER BASIN Reservoir Storage Departure from Average



Major Basin Summary

South Platte River Basin



0 25 50 100 150 200 Miles

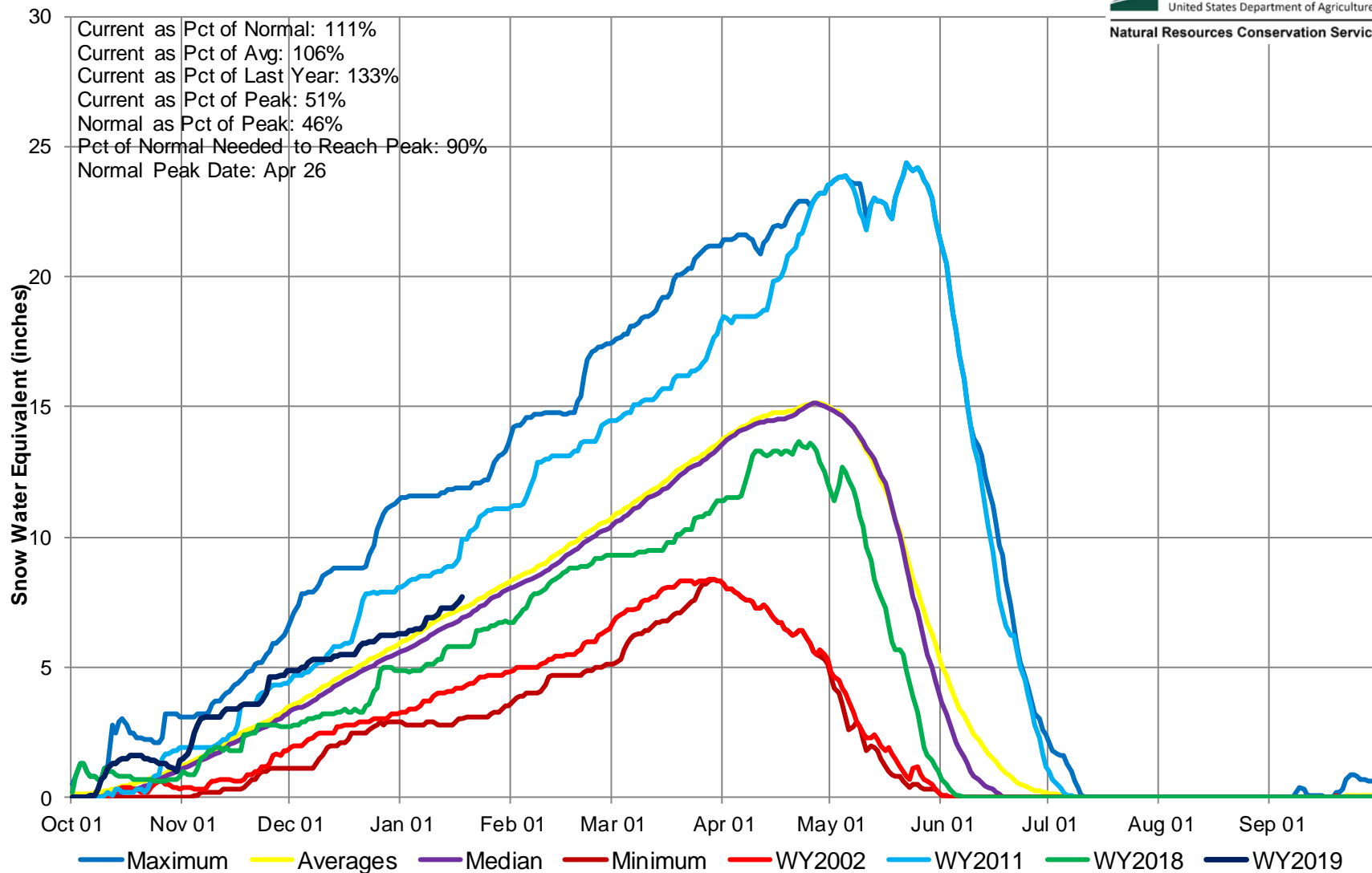
South Platte River Basin High/Low Snowpack Summary

Based on Provisional SNOTEL data as of Jan 18, 2019



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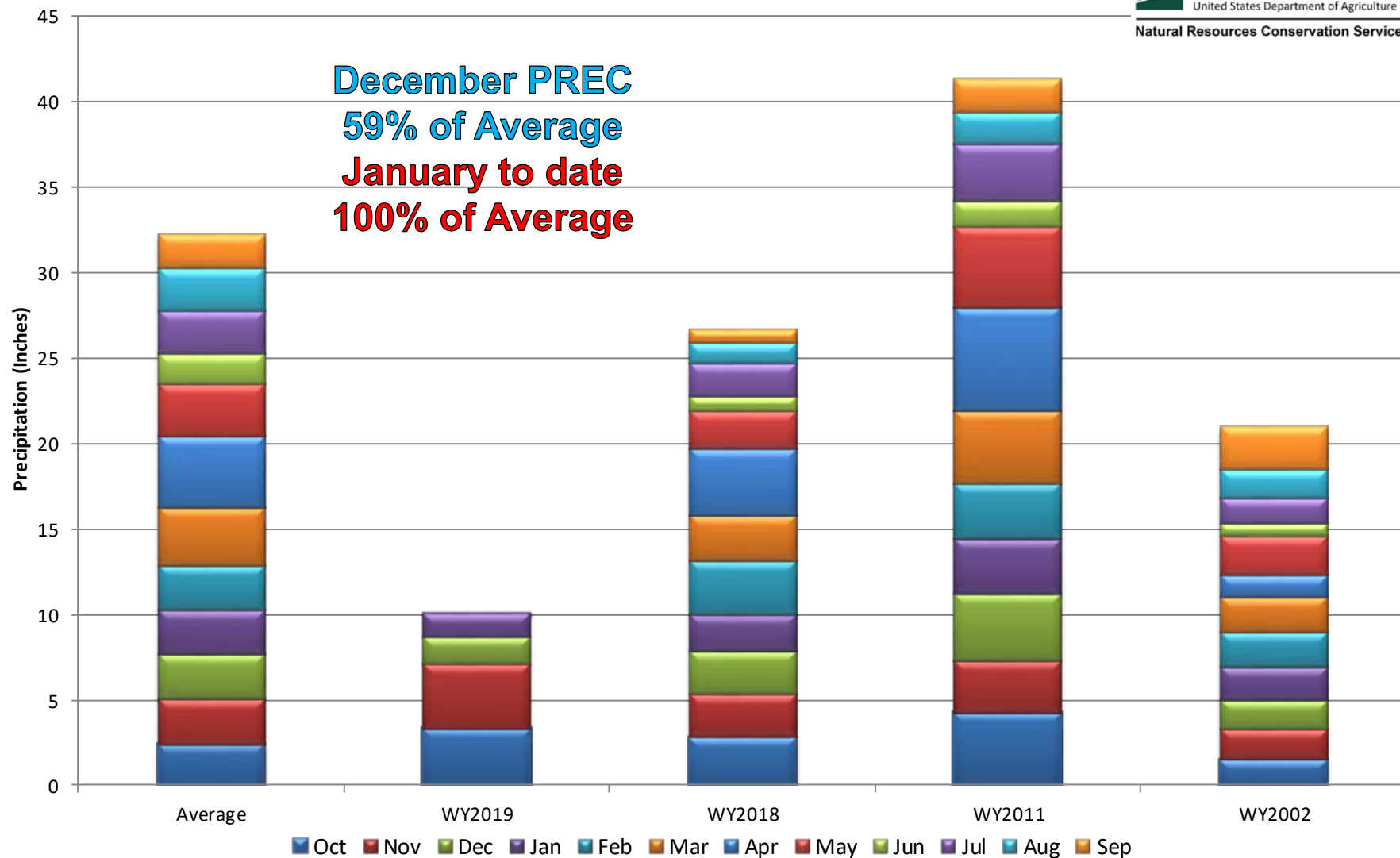
South Platte River Basin High/Low Monthly Precipitation Summary

Based on Provisional SNOTEL data as of Jan 18, 2019



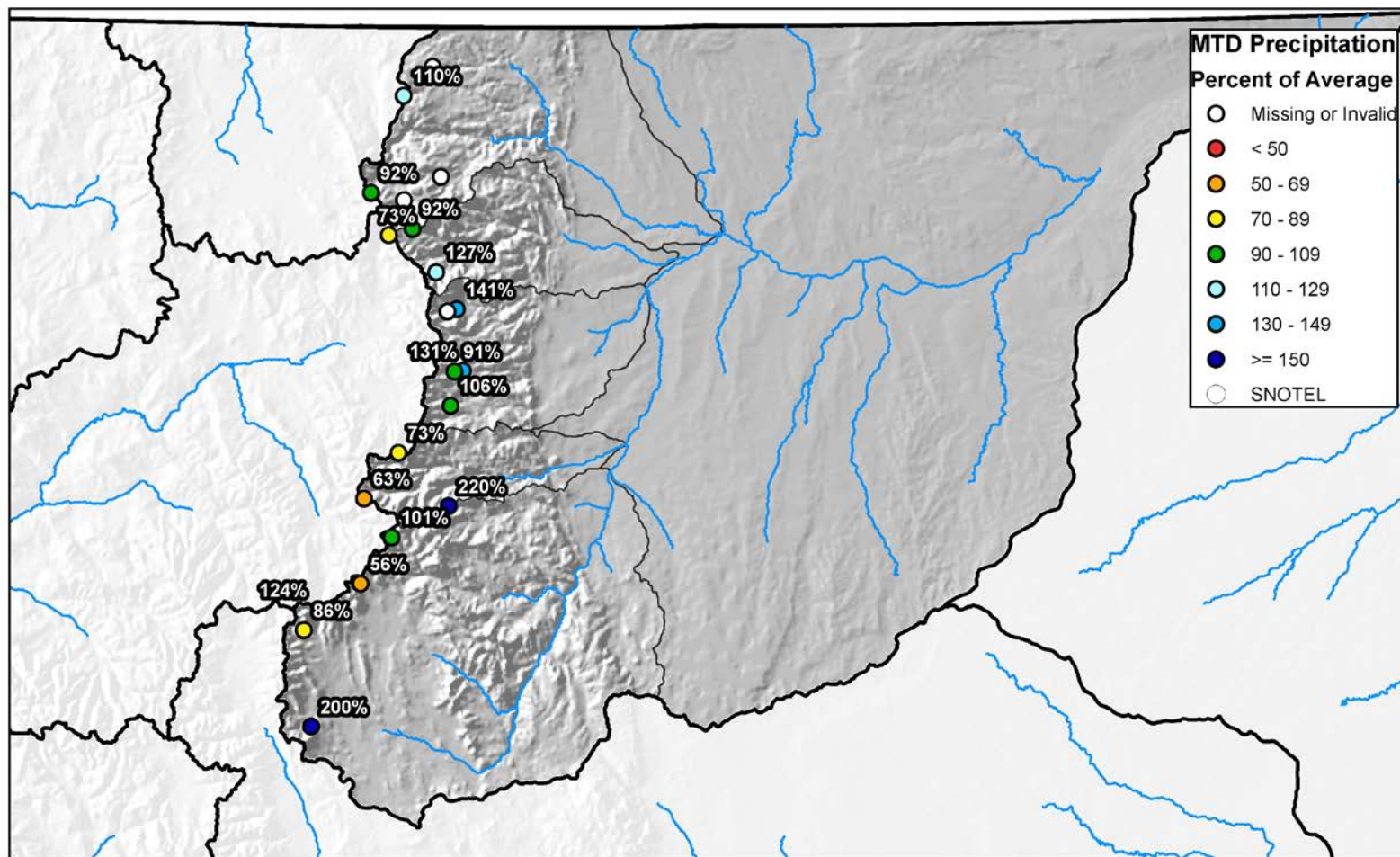
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South Platte River Basin Month to Date Precipitation Summary

Current as of Jan 18, 2019

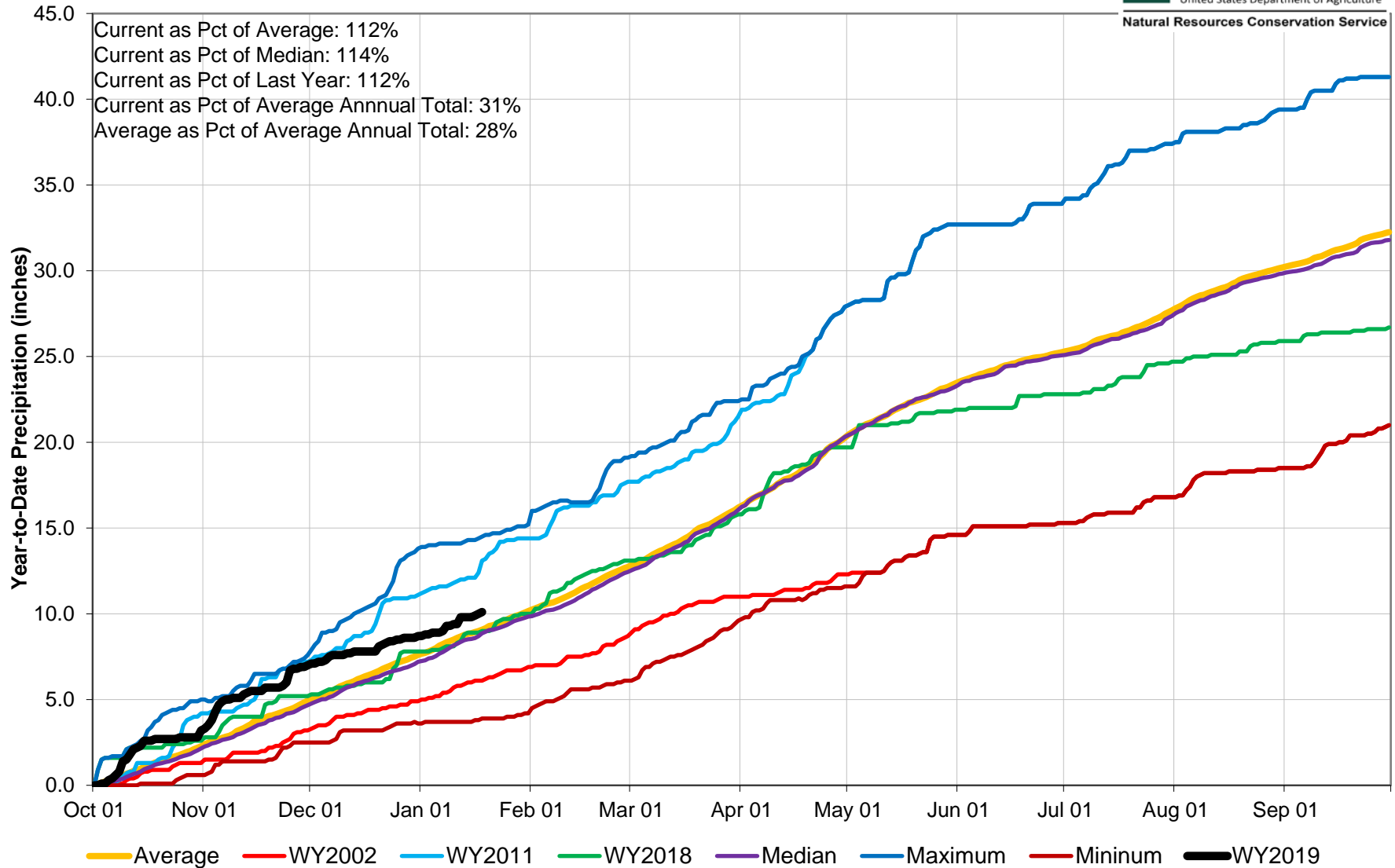


0 10 20 40 60 80 Miles



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

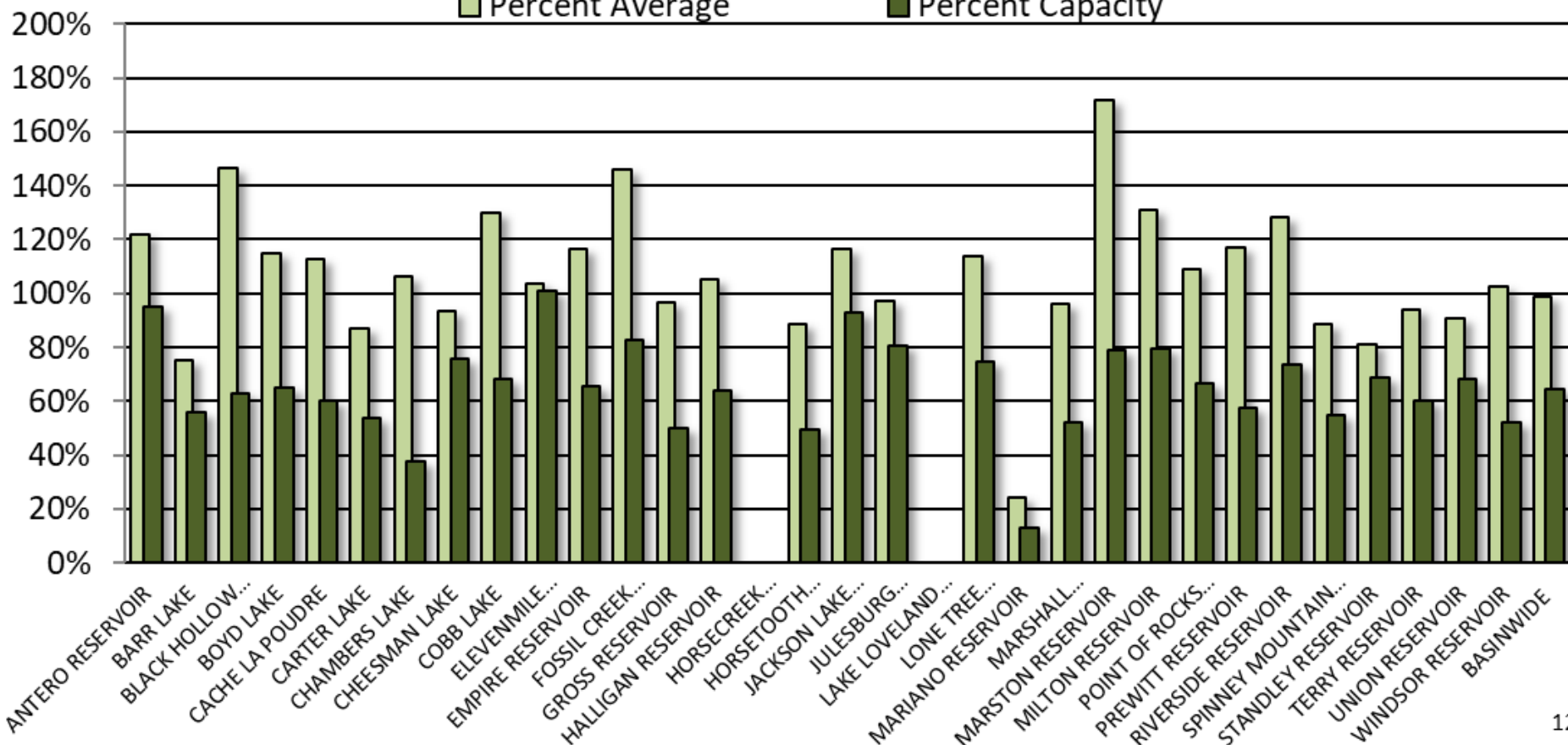
Based on Provisional SNOTEL data as of Jan 18, 2019



Reservoir Storage

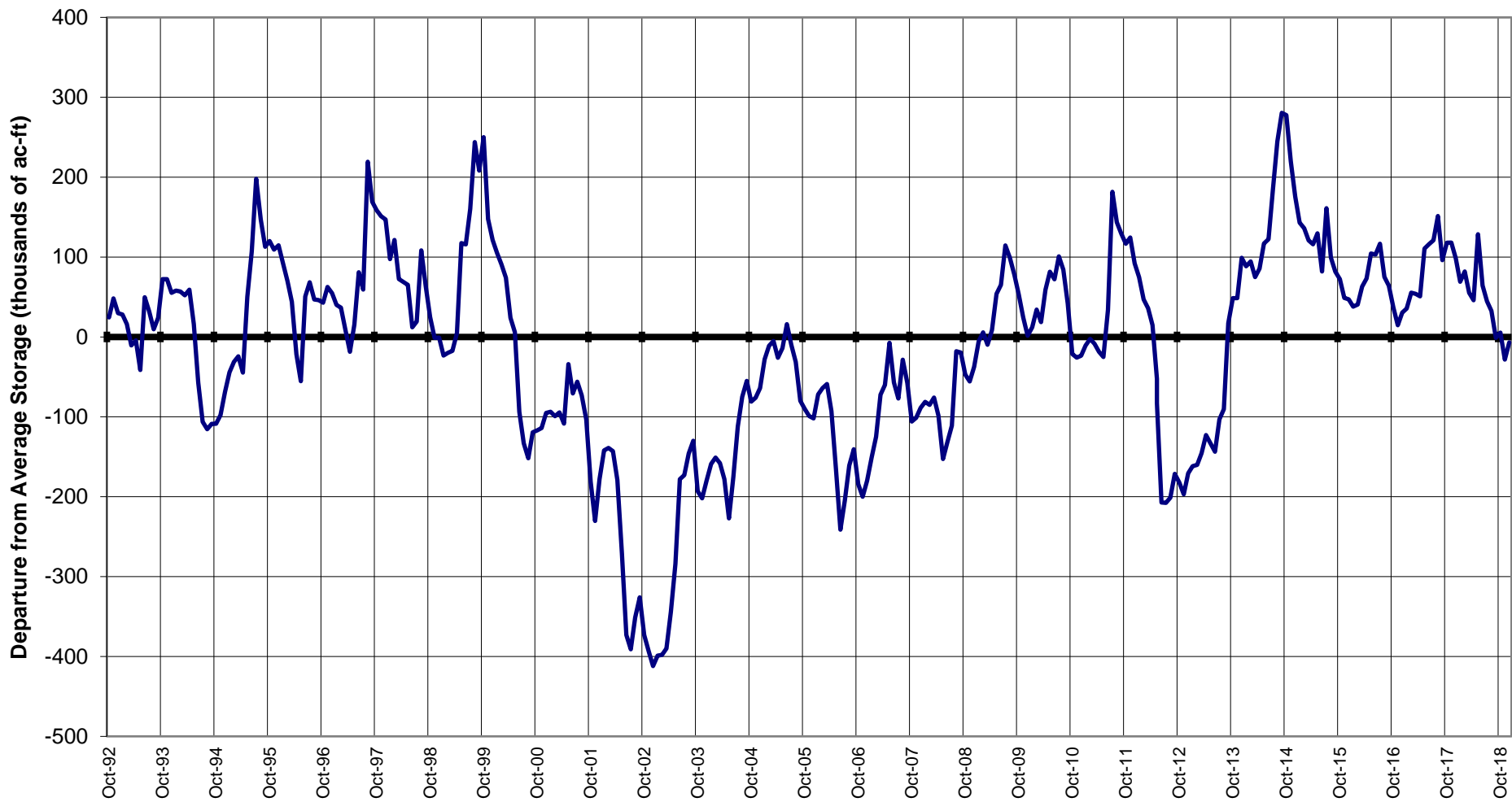
■ Percent Average

■ Percent Capacity



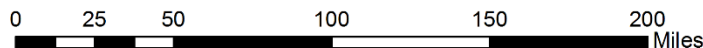
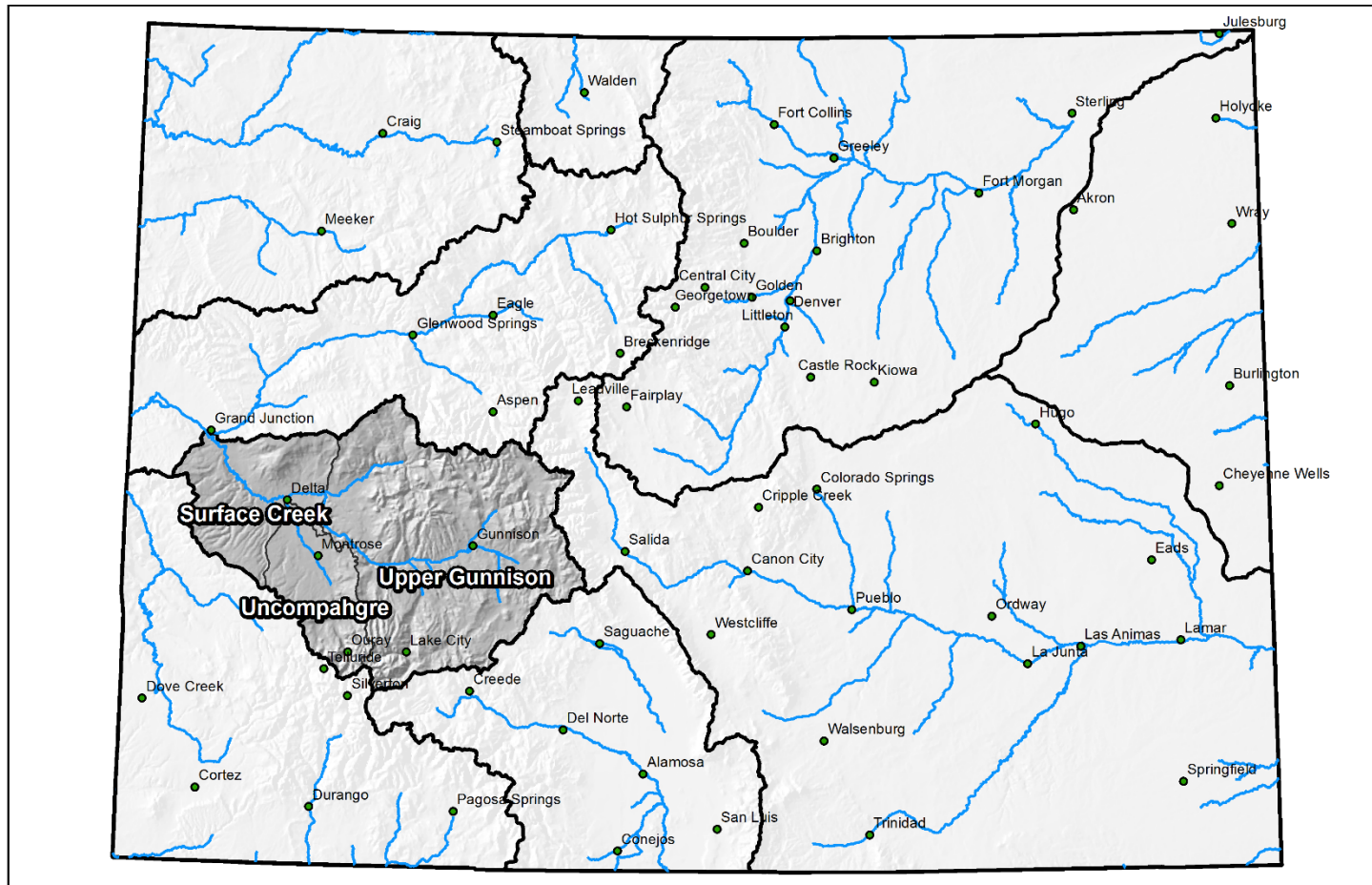


SOUTH PLATTE RIVER BASIN Reservoir Storage Departure from Average



Major Basin Summary

Gunnison River Basin





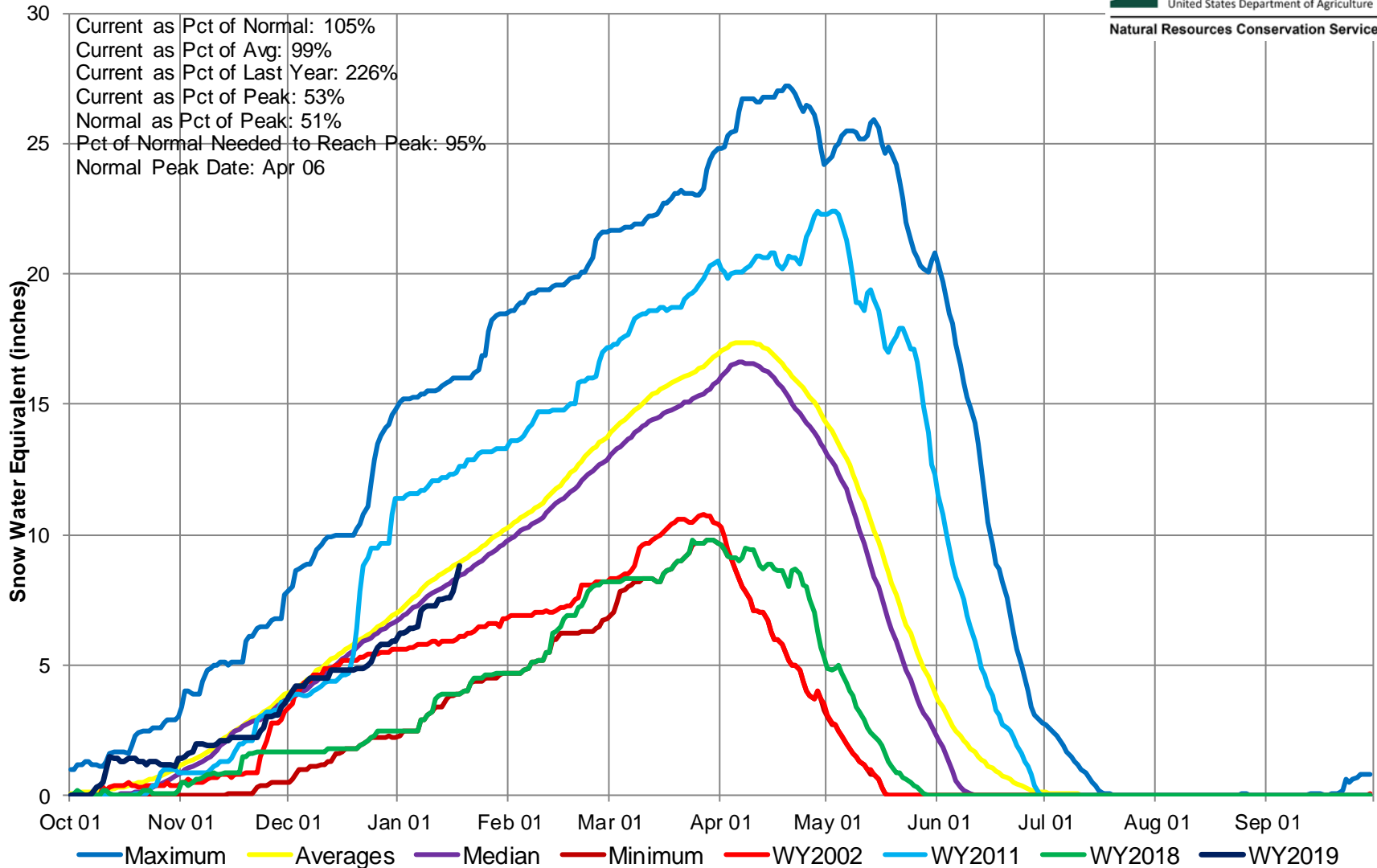
Gunnison River Basin High/Low Snowpack Summary

Based on Provisional SNOTEL data as of Jan 18, 2019



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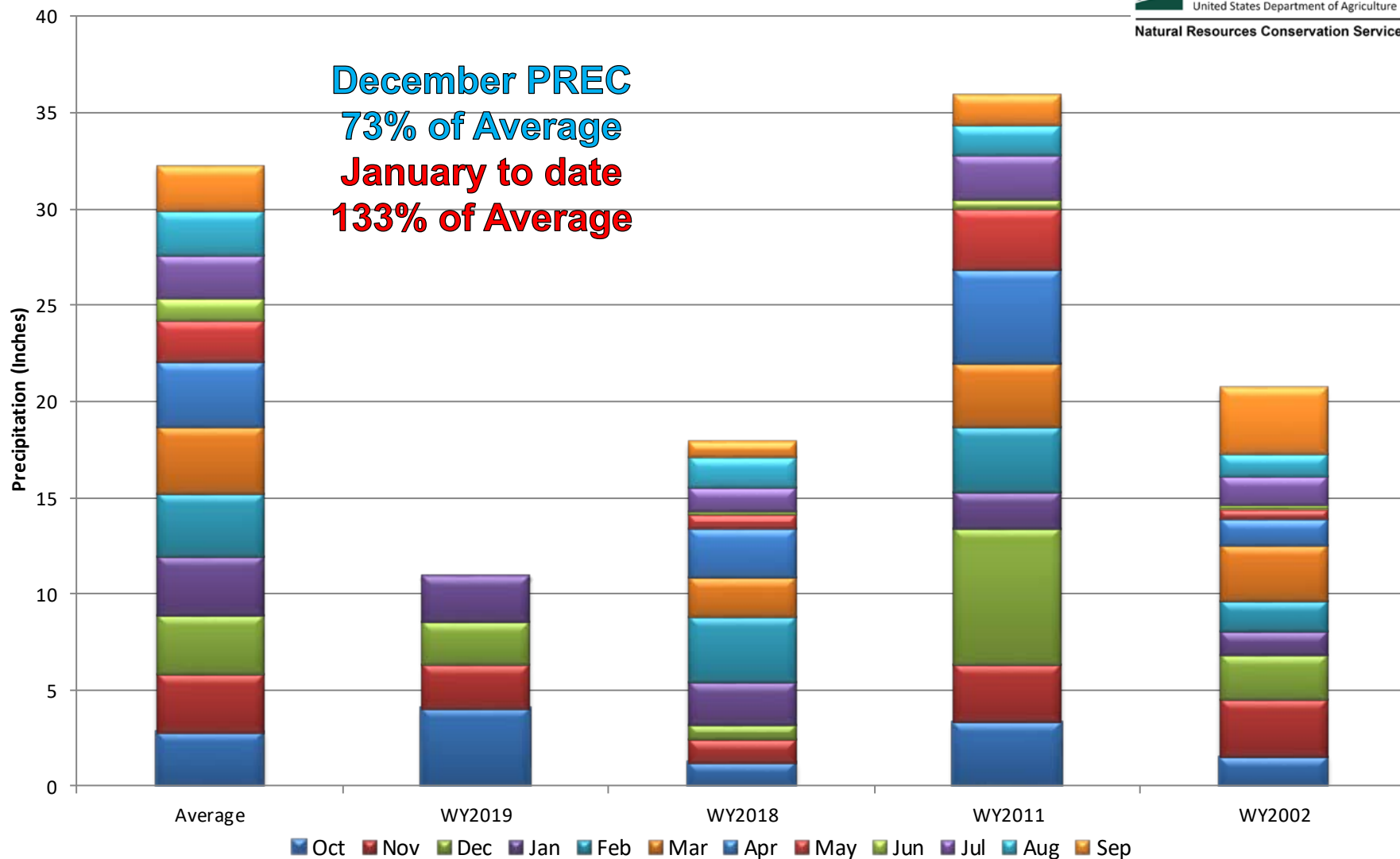
Gunnison River Basin High/Low Monthly Precipitation Summary

Based on Provisional SNOTEL data as of Jan 18, 2019



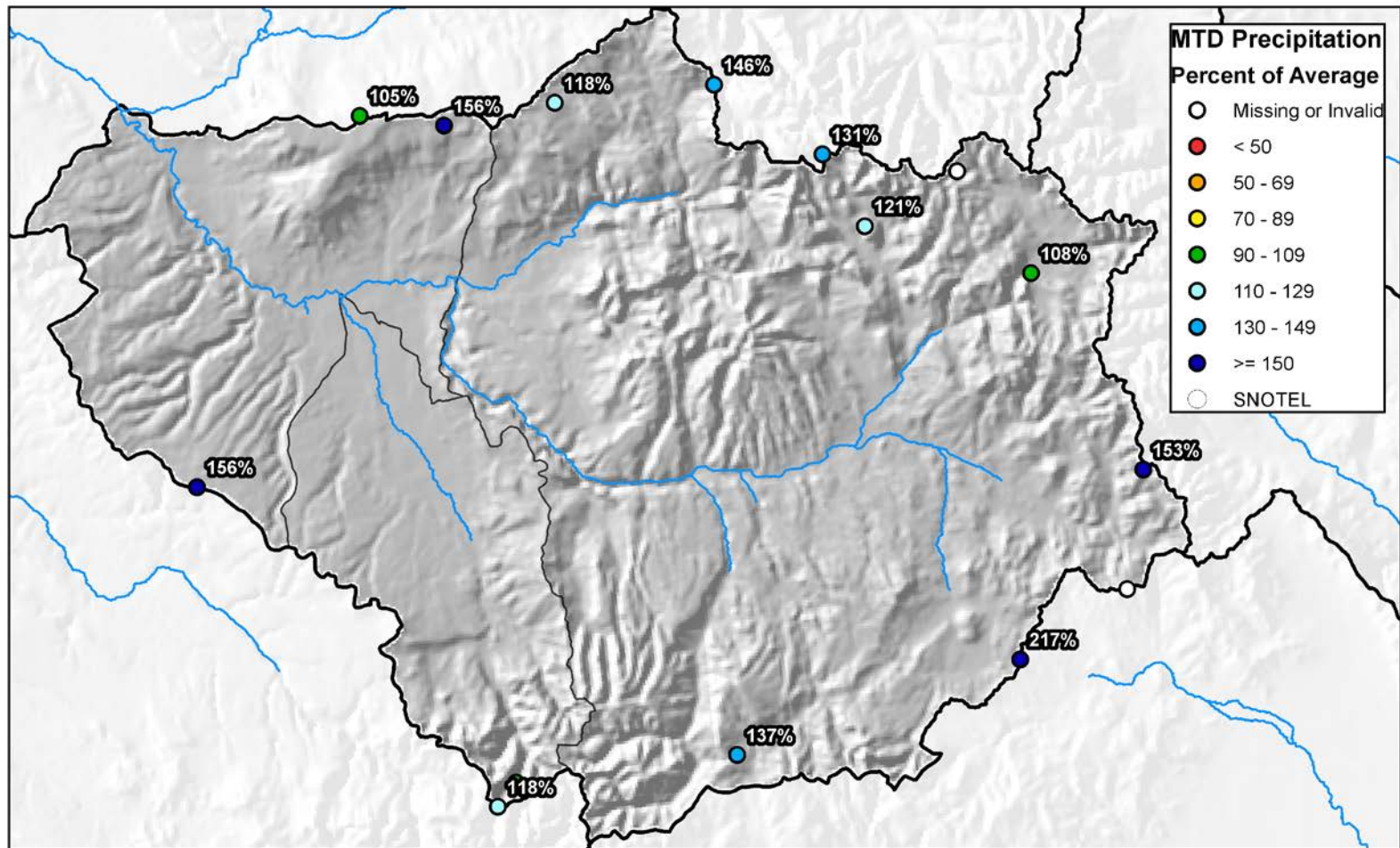
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Gunnison River Basin Month to Date Precipitation Summary

Current as of Jan 18, 2019

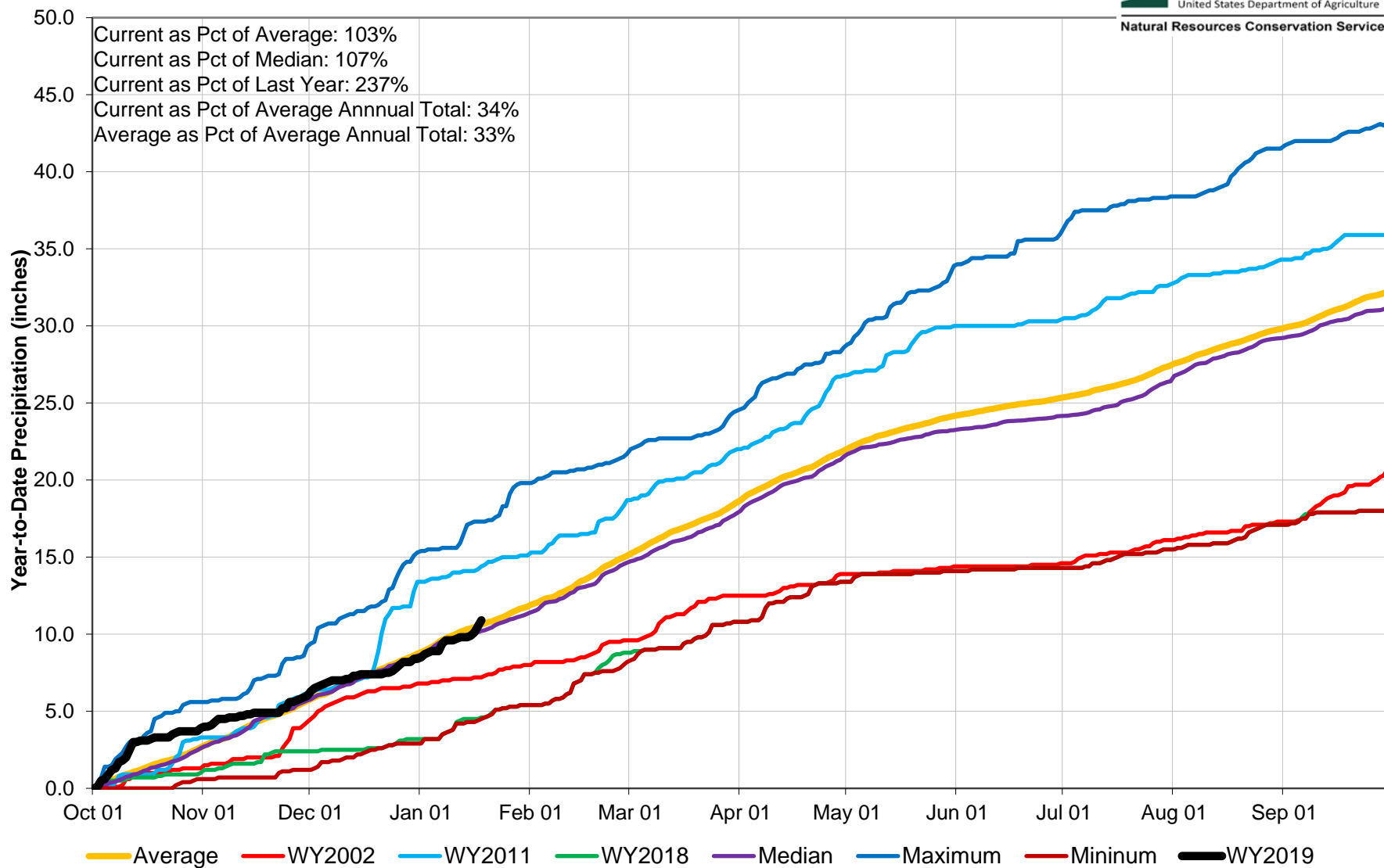


0 5 10 20 30 40 Miles



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

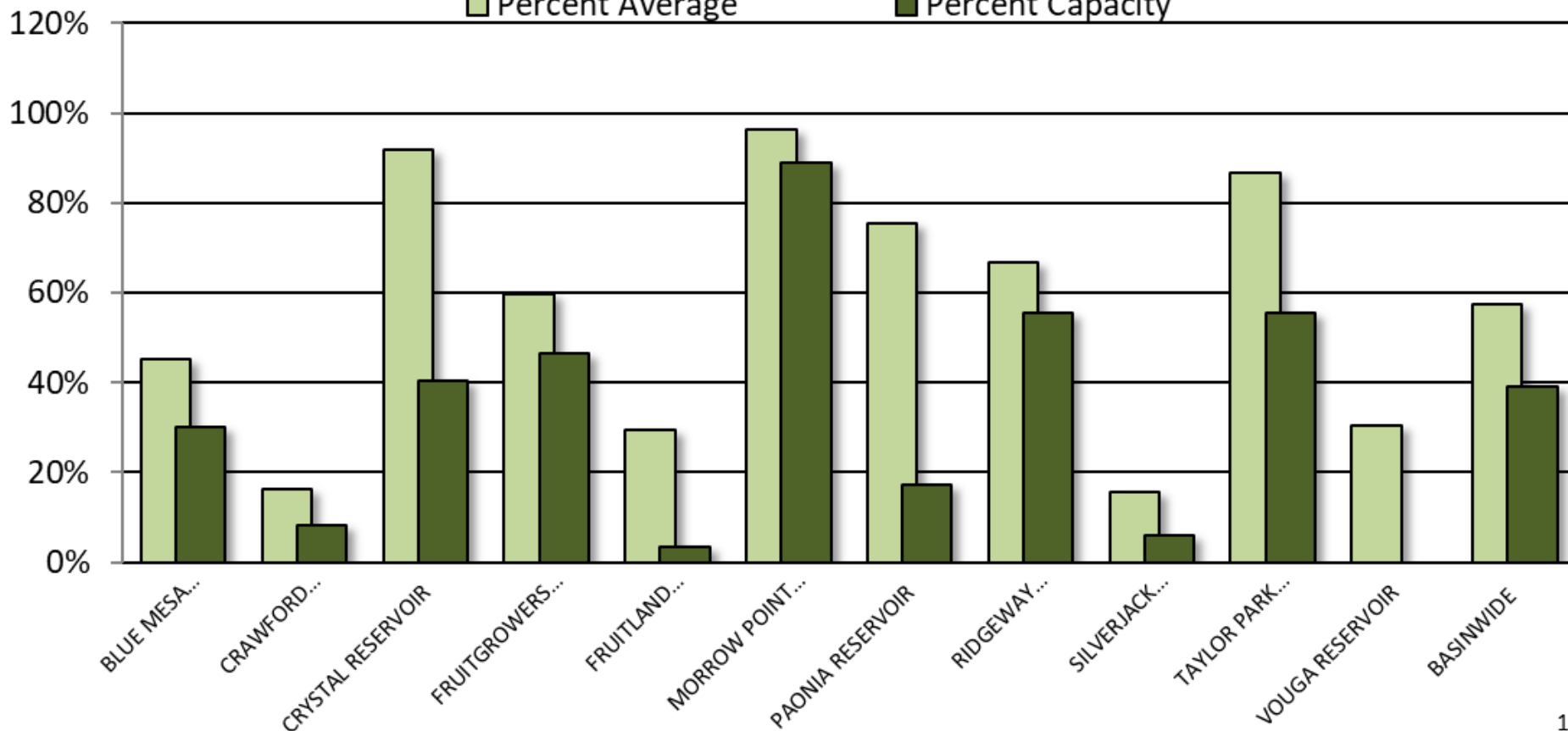
Based on Provisional SNOTEL data as of Jan 18, 2019



Reservoir Storage

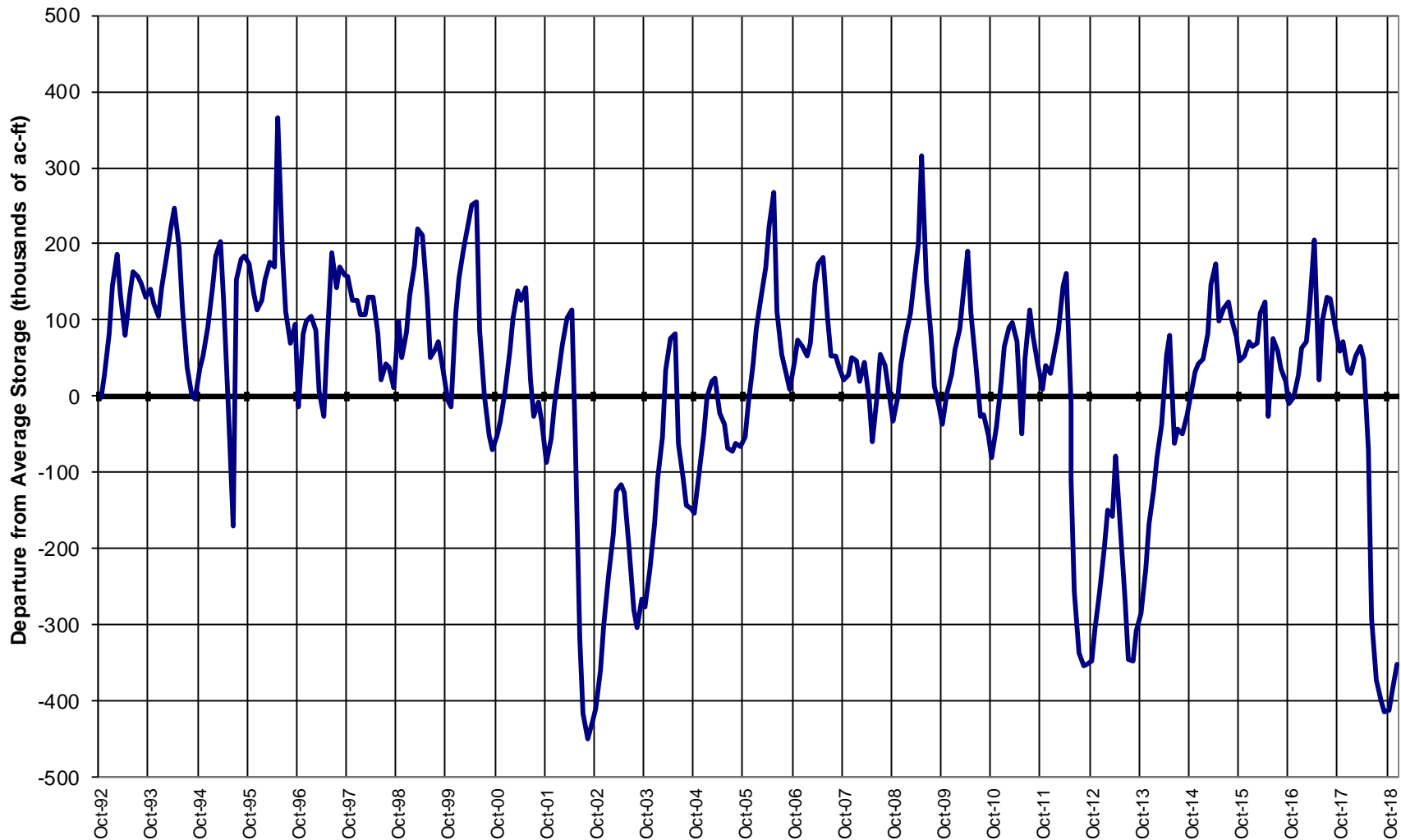
■ Percent Average

■ Percent Capacity



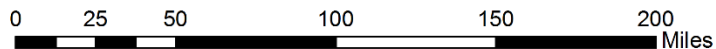
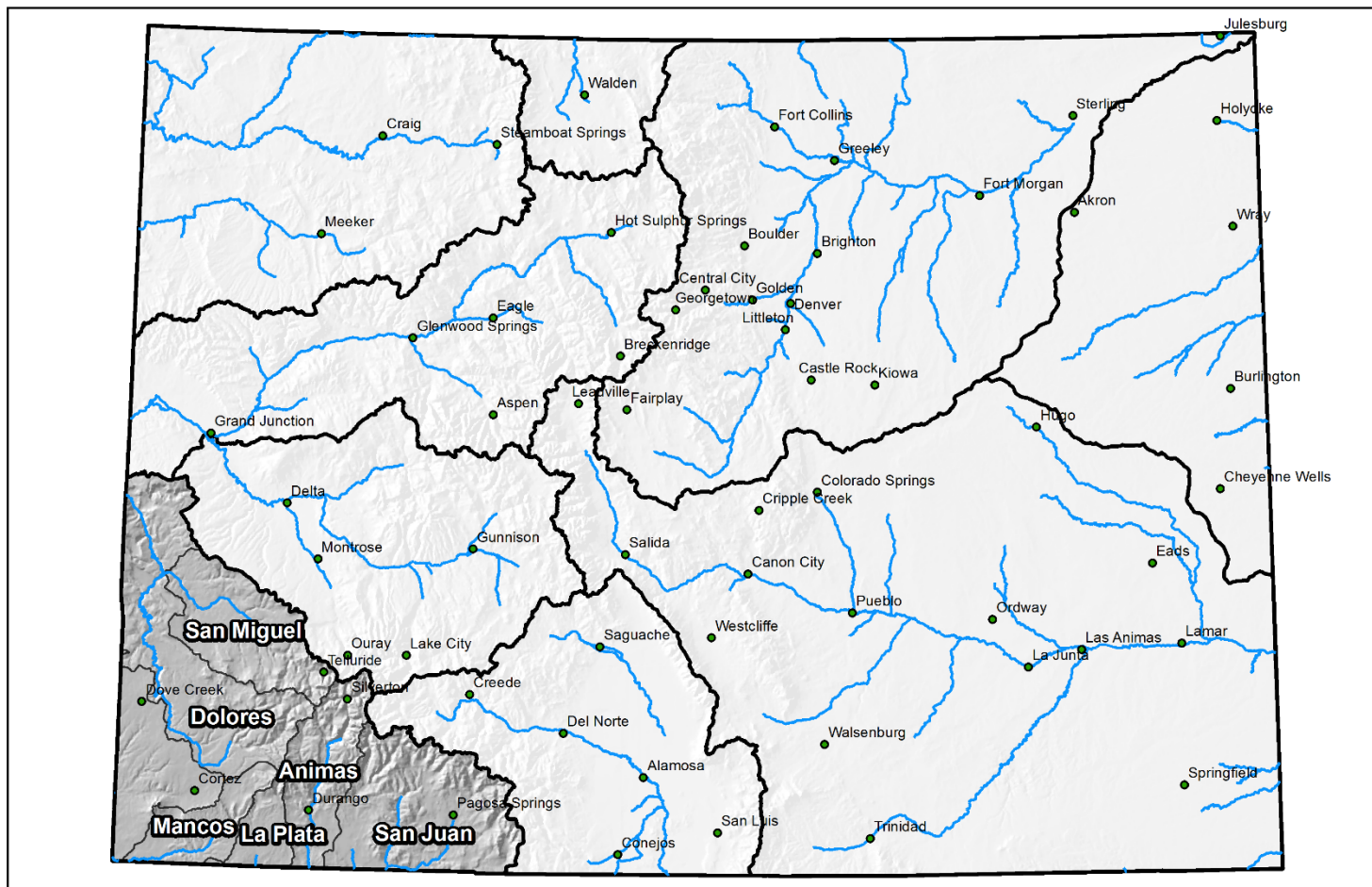


GUNNISON RIVER BASIN Reservoir Storage Departure from Average



Major Basin Summary

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





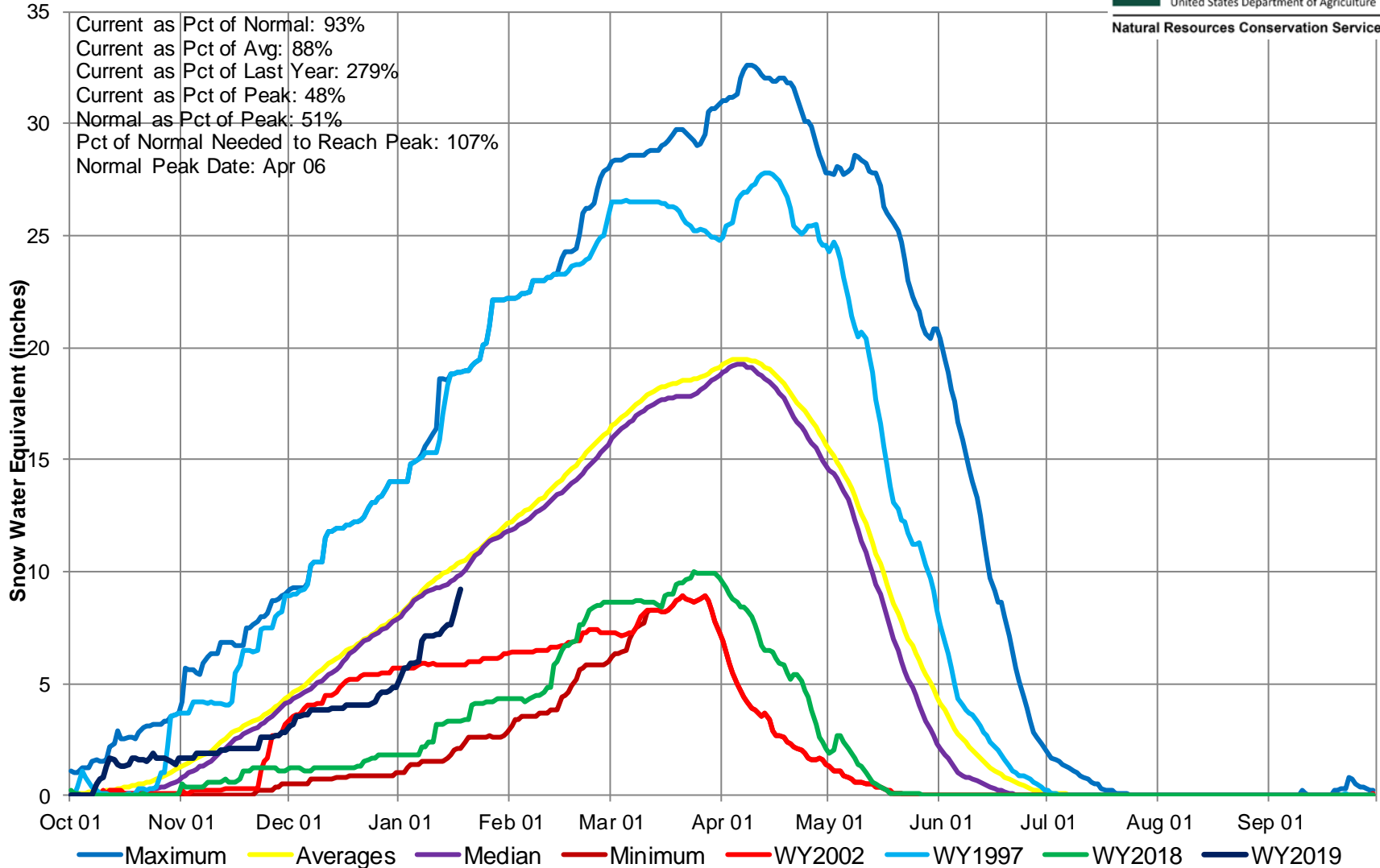
San Miguel, Dolores, Animas and San Juan River Basins High/Low Snowpack Summary

Based on Provisional SNOTEL data as of Jan 18, 2019



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

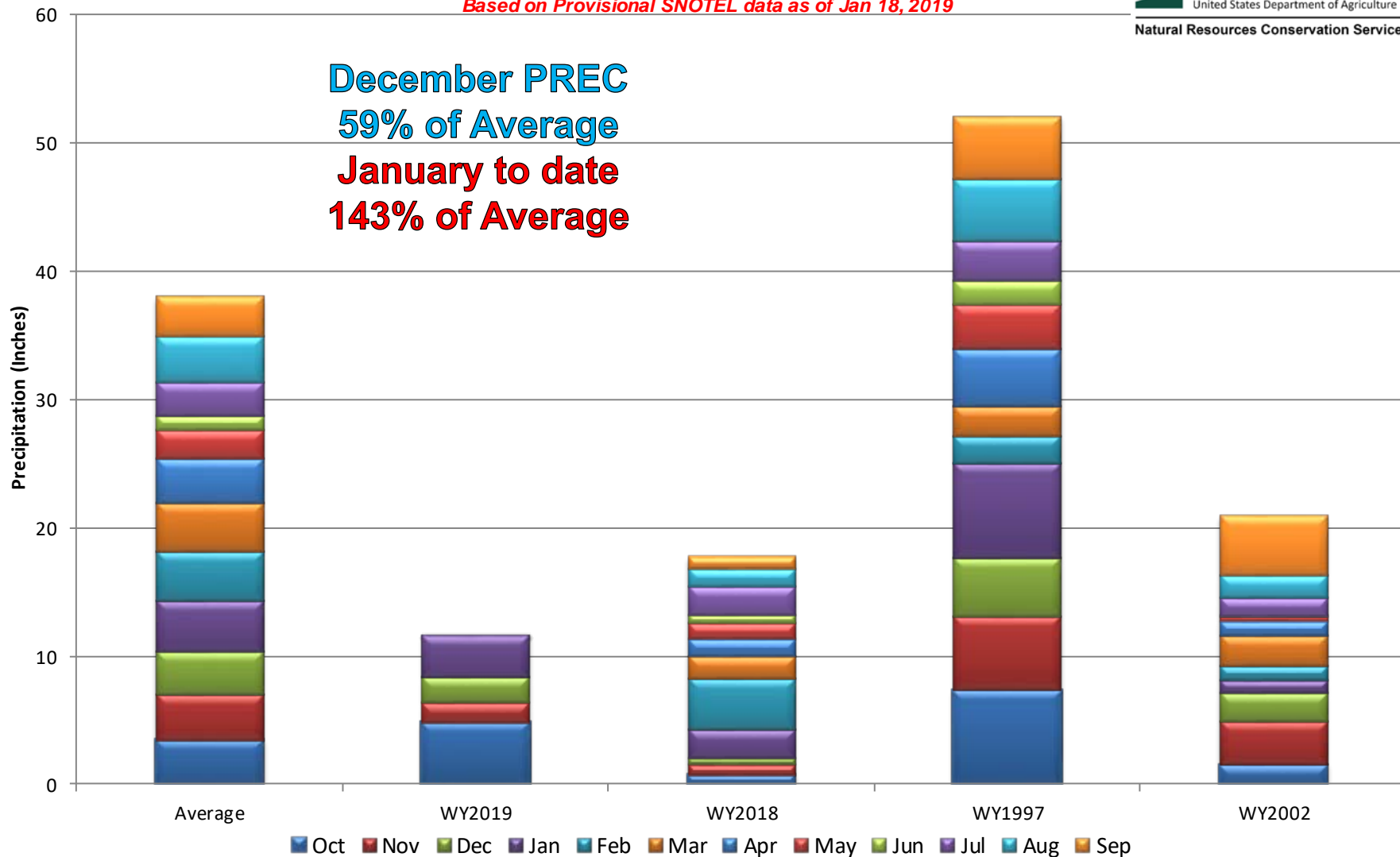
Based on Provisional SNOTEL data as of Jan 18, 2019



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December PREC
59% of Average
January to date
143% of Average

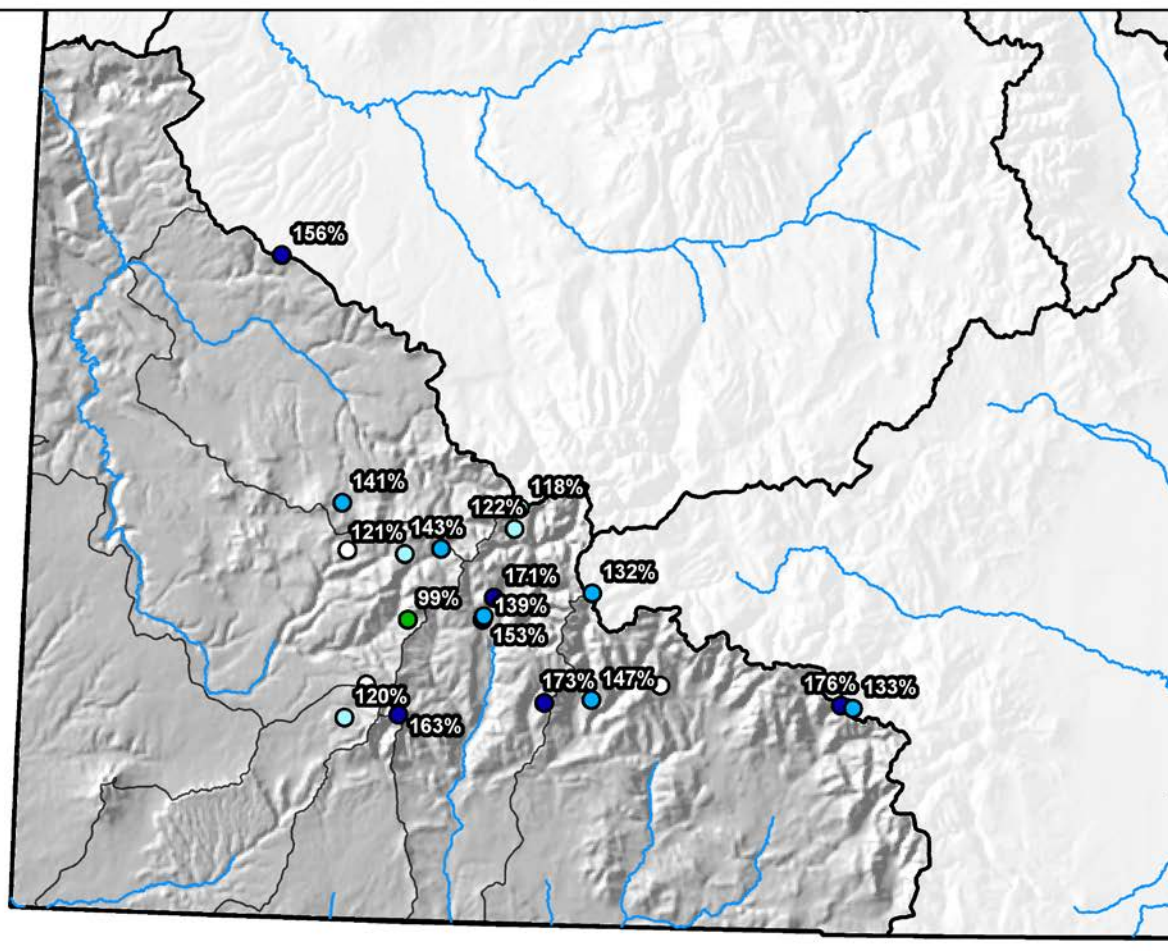


San Miguel, Dolores, Animas, and San Juan River Basins Month to Date Precipitation Summary

Current as of Jan 18, 2019

MTD Precipitation Percent of Average

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

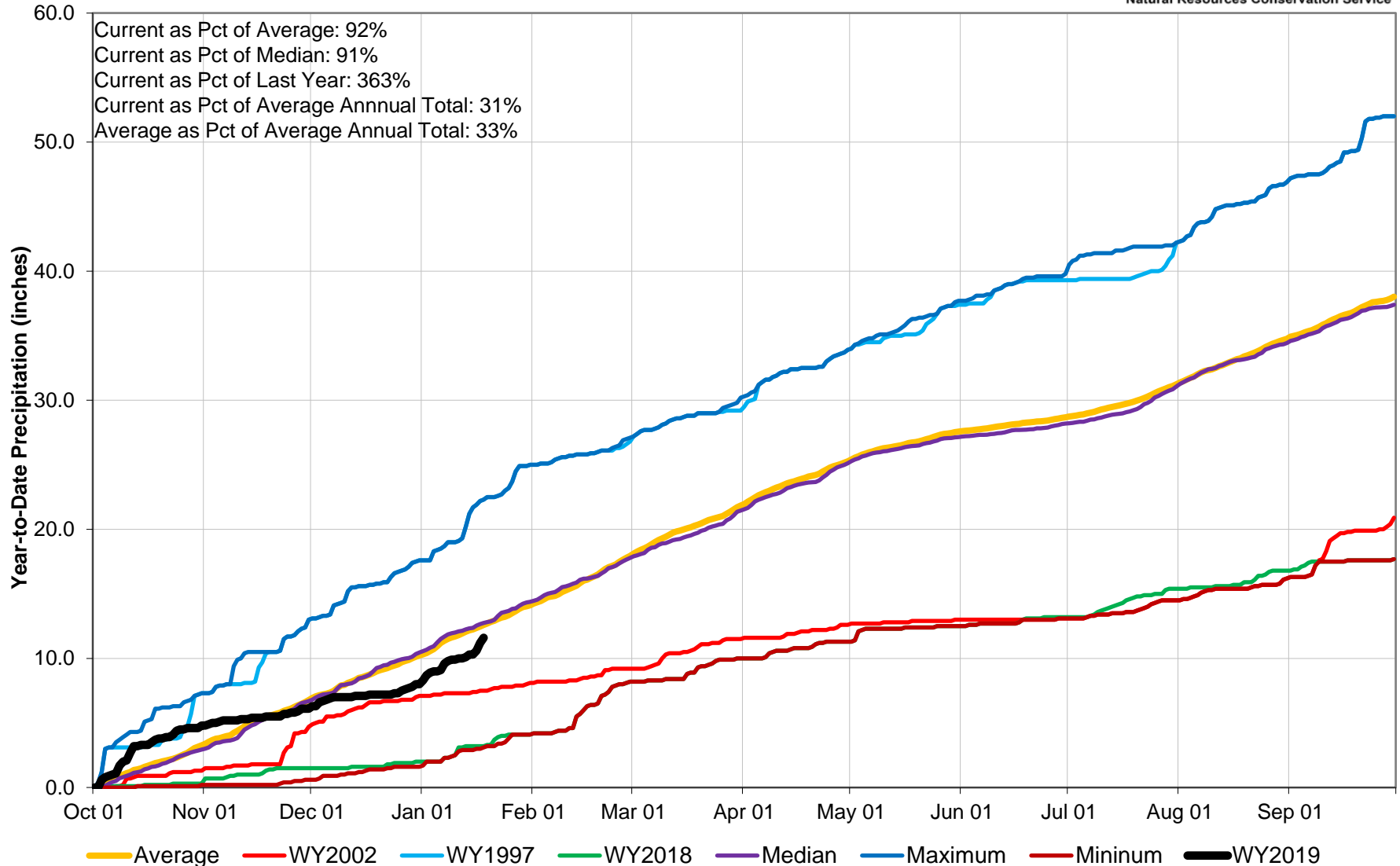


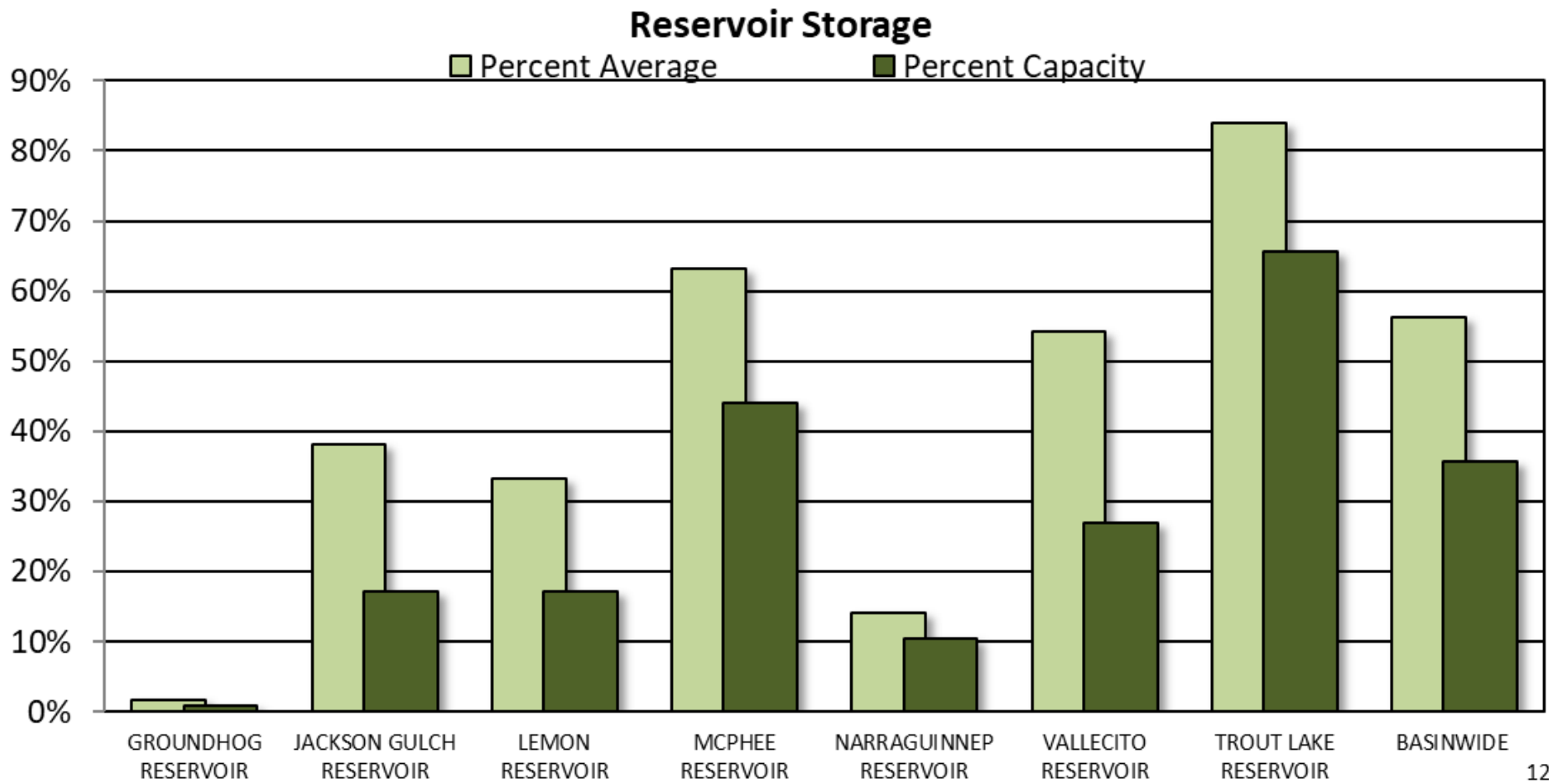
0 10 20 40 60 80 Miles



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

Based on Provisional SNOTEL data as of Jan 18, 2019



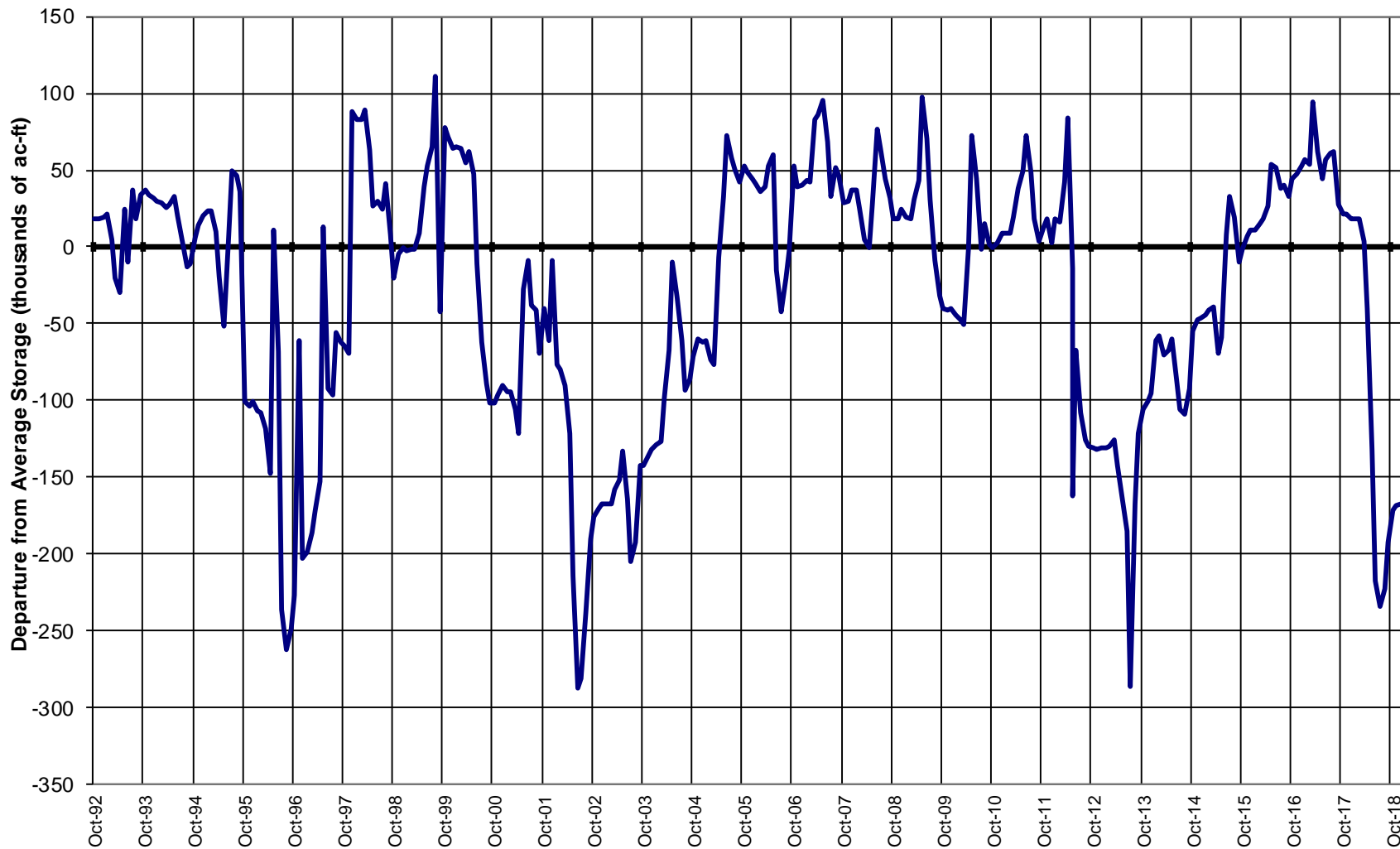




SAN MIGUEL, DOLORES, ANIMAS AND SAN JUAN RIVER BASINS

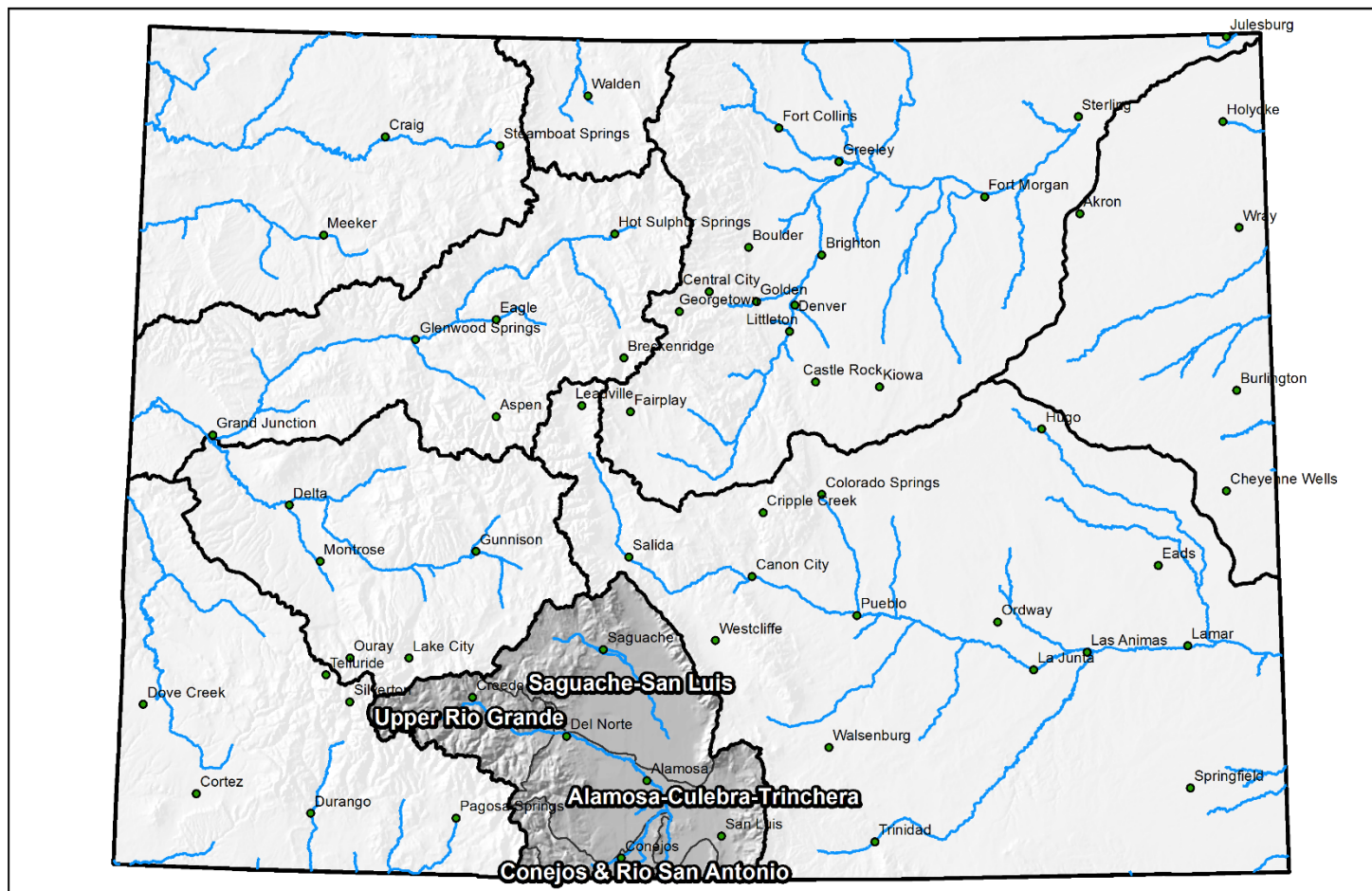
Reservoir Storage

Departure from Average



Major Basin Summary

Upper Rio Grande River Basin



0 25 50 100 150 200 Miles



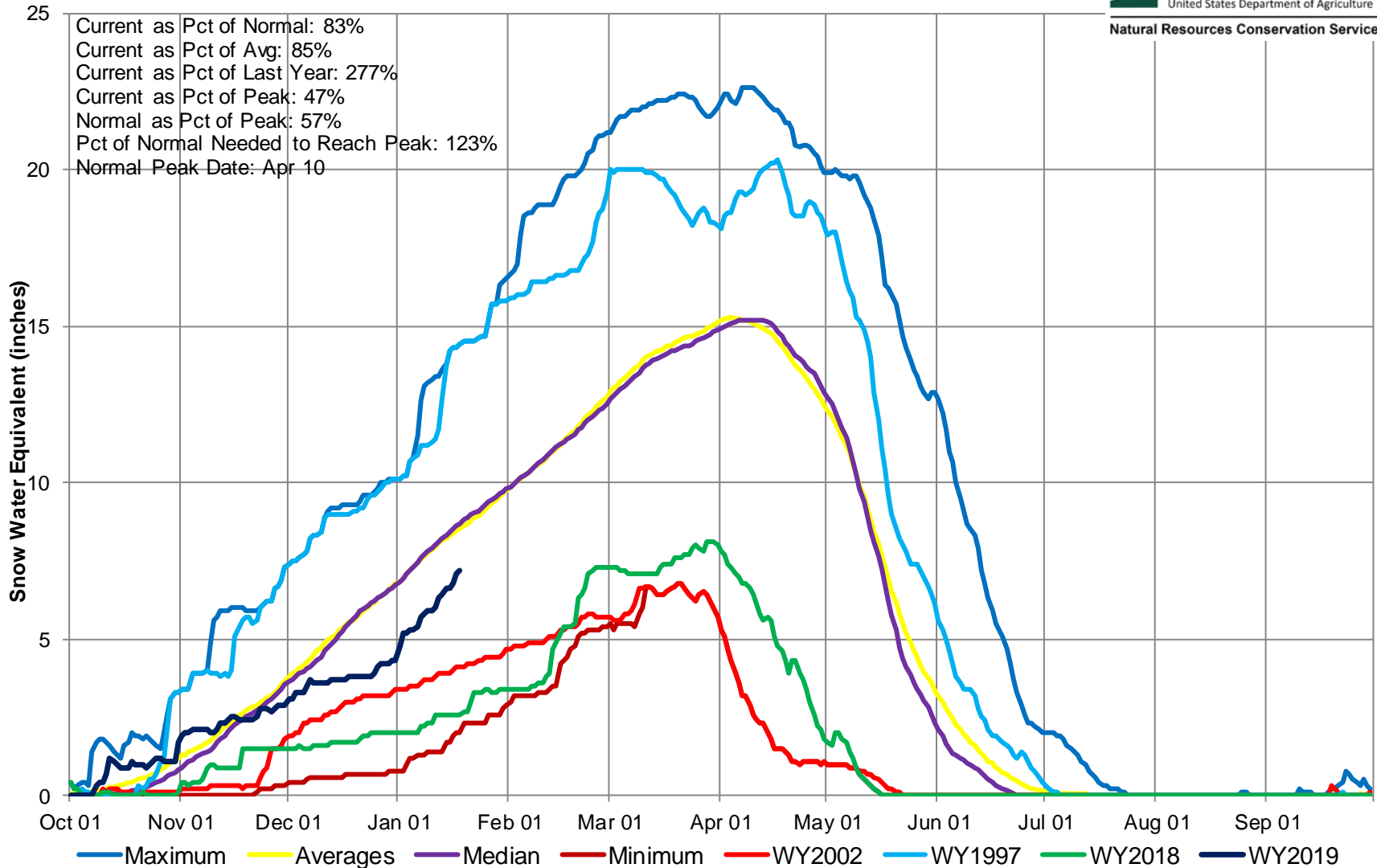
Upper Rio Grande Basin High/Low Snowpack Summary

Based on Provisional SNOTEL data as of Jan 18, 2019



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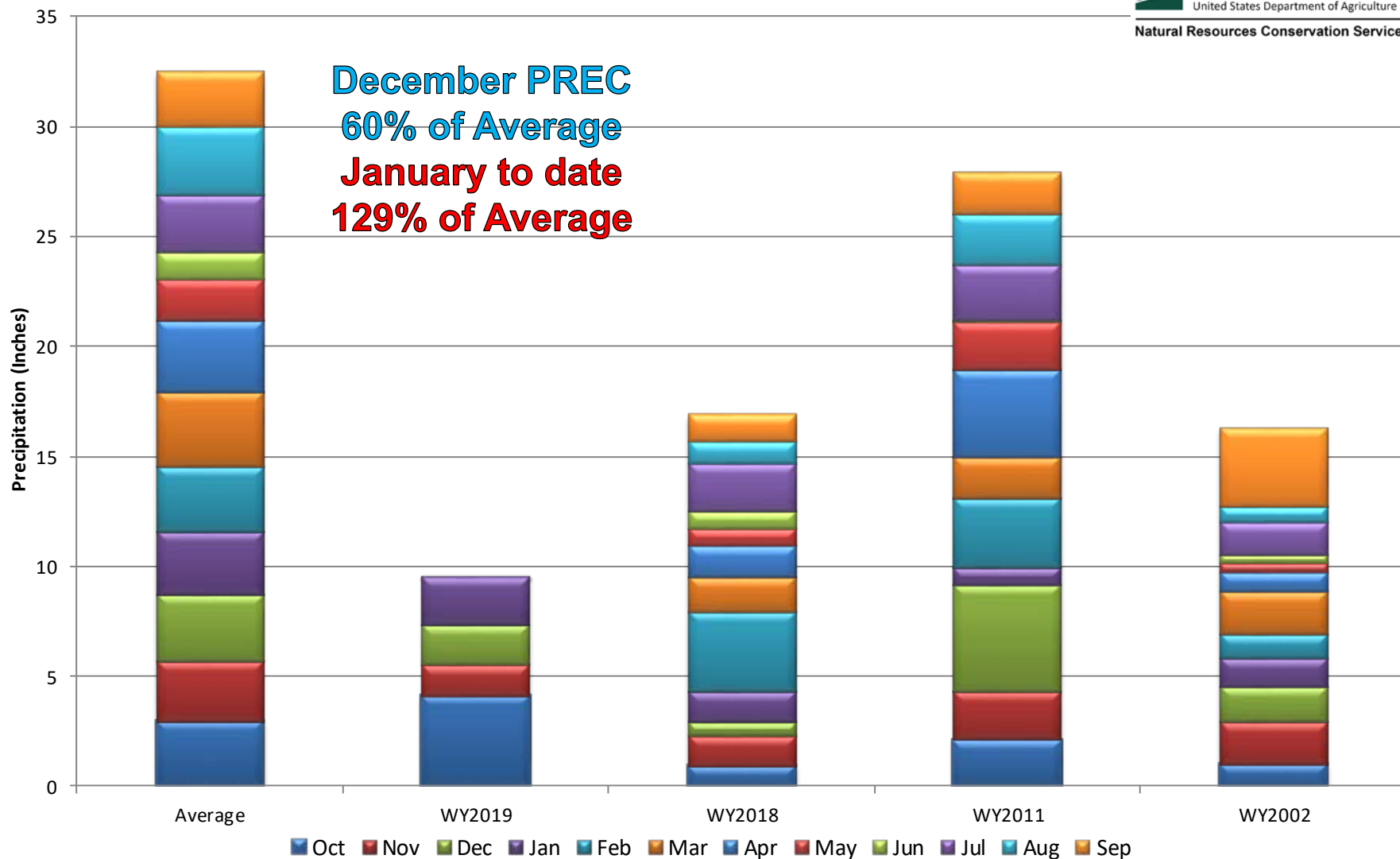
Upper Rio Grande River Basin High/Low Monthly Precipitation Summary

Based on Provisional SNOTEL data as of Jan 18, 2019



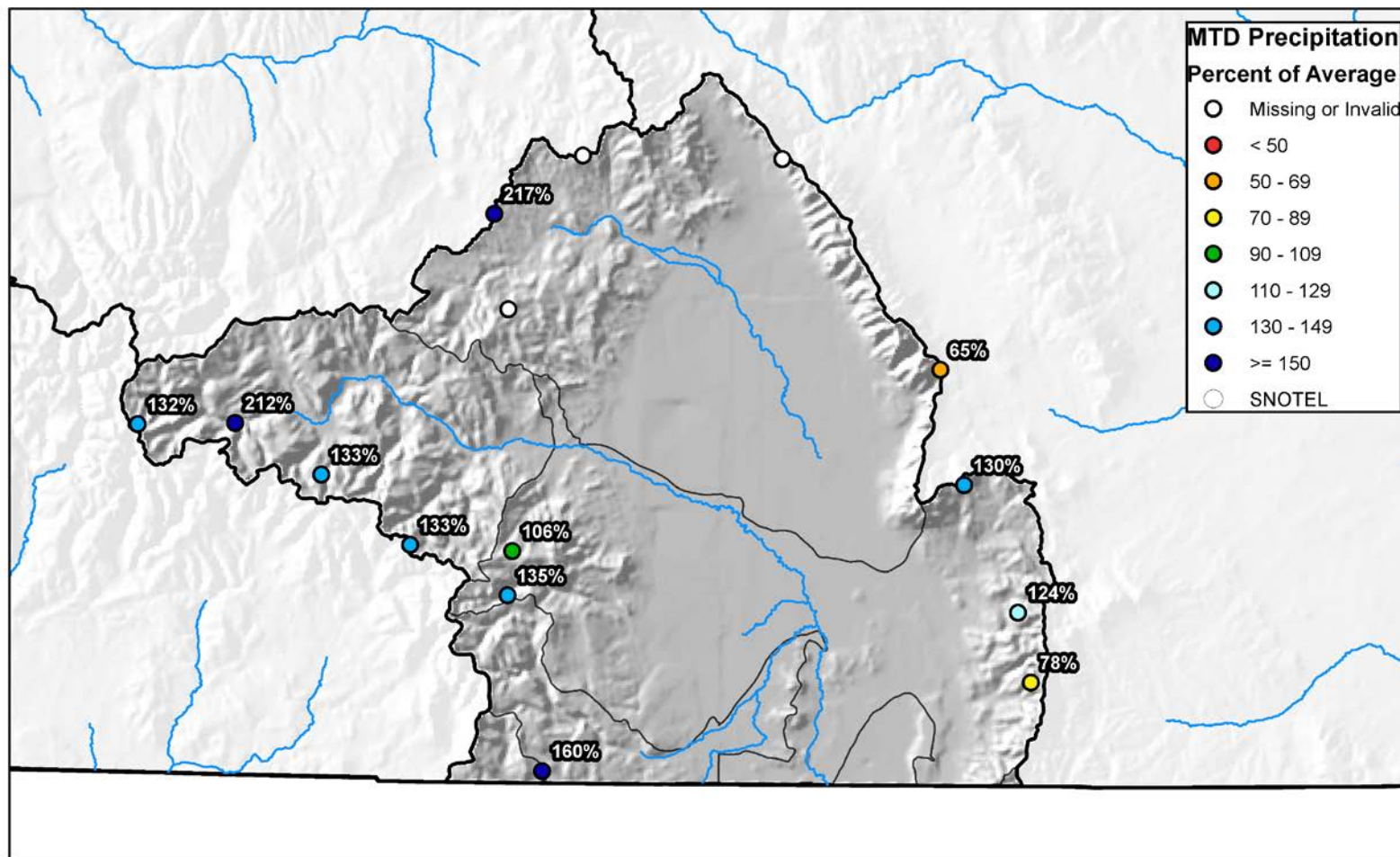
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Upper Rio Grande River Basin Month to Date Precipitation Summary

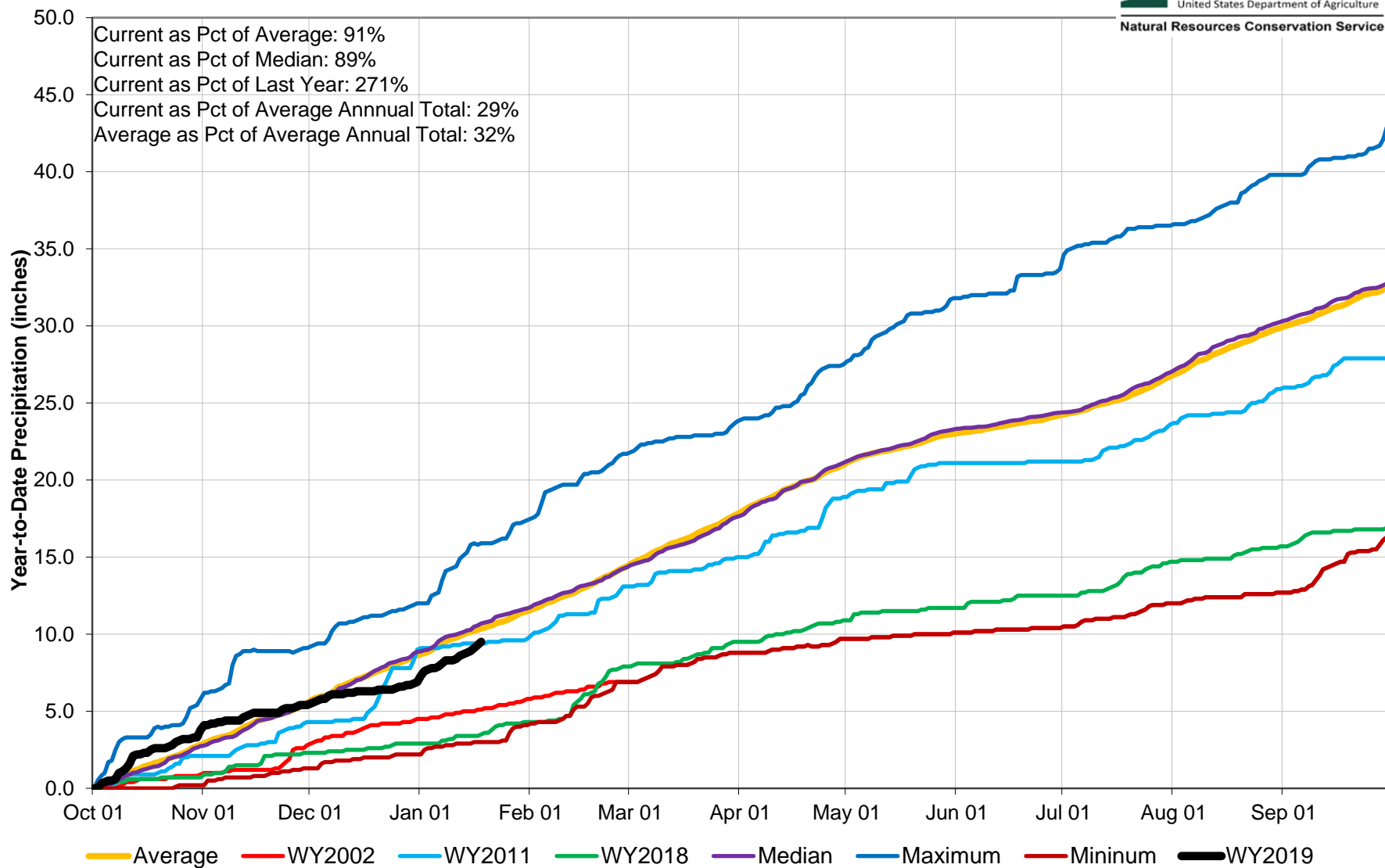
Current as of Jan 18, 2019





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

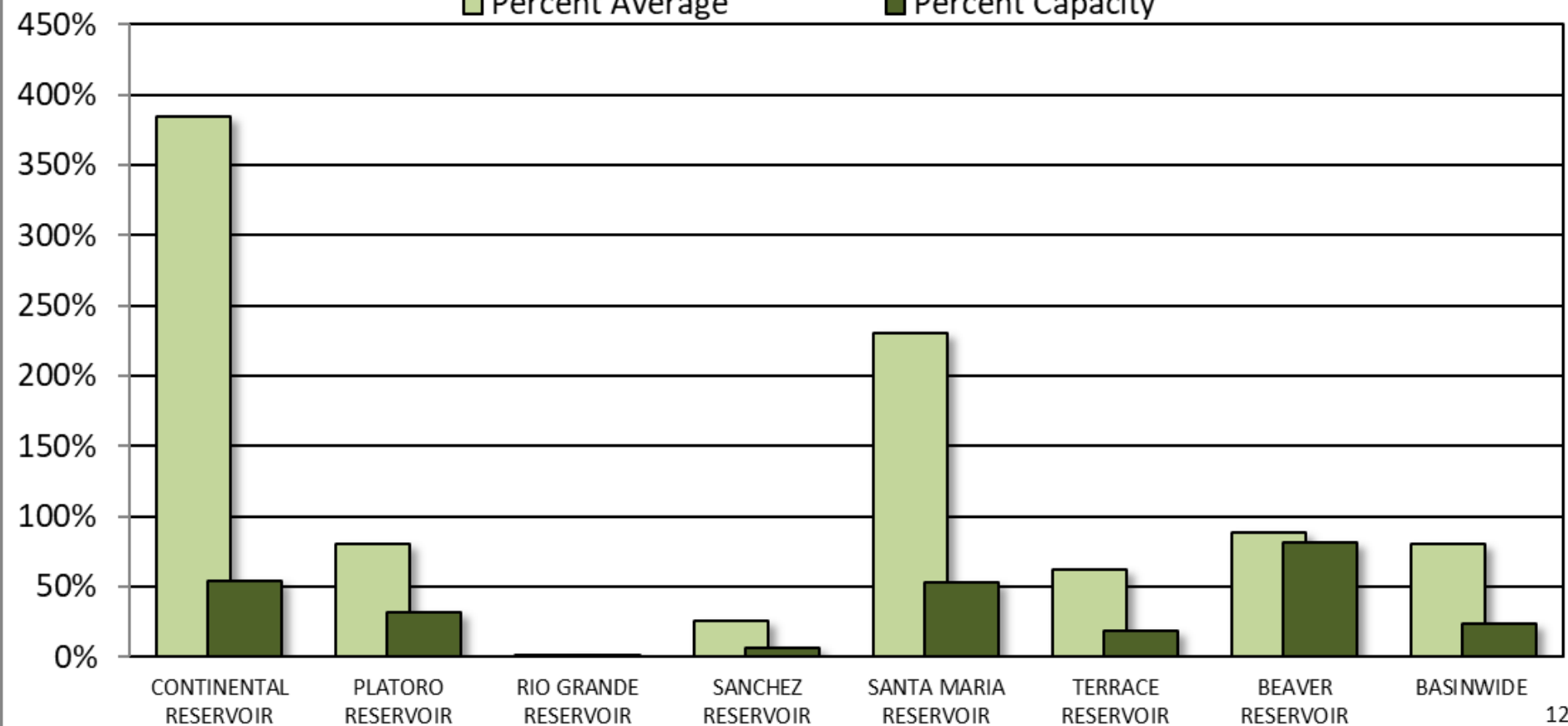
Based on Provisional SNOTEL data as of Jan 18, 2019



Reservoir Storage

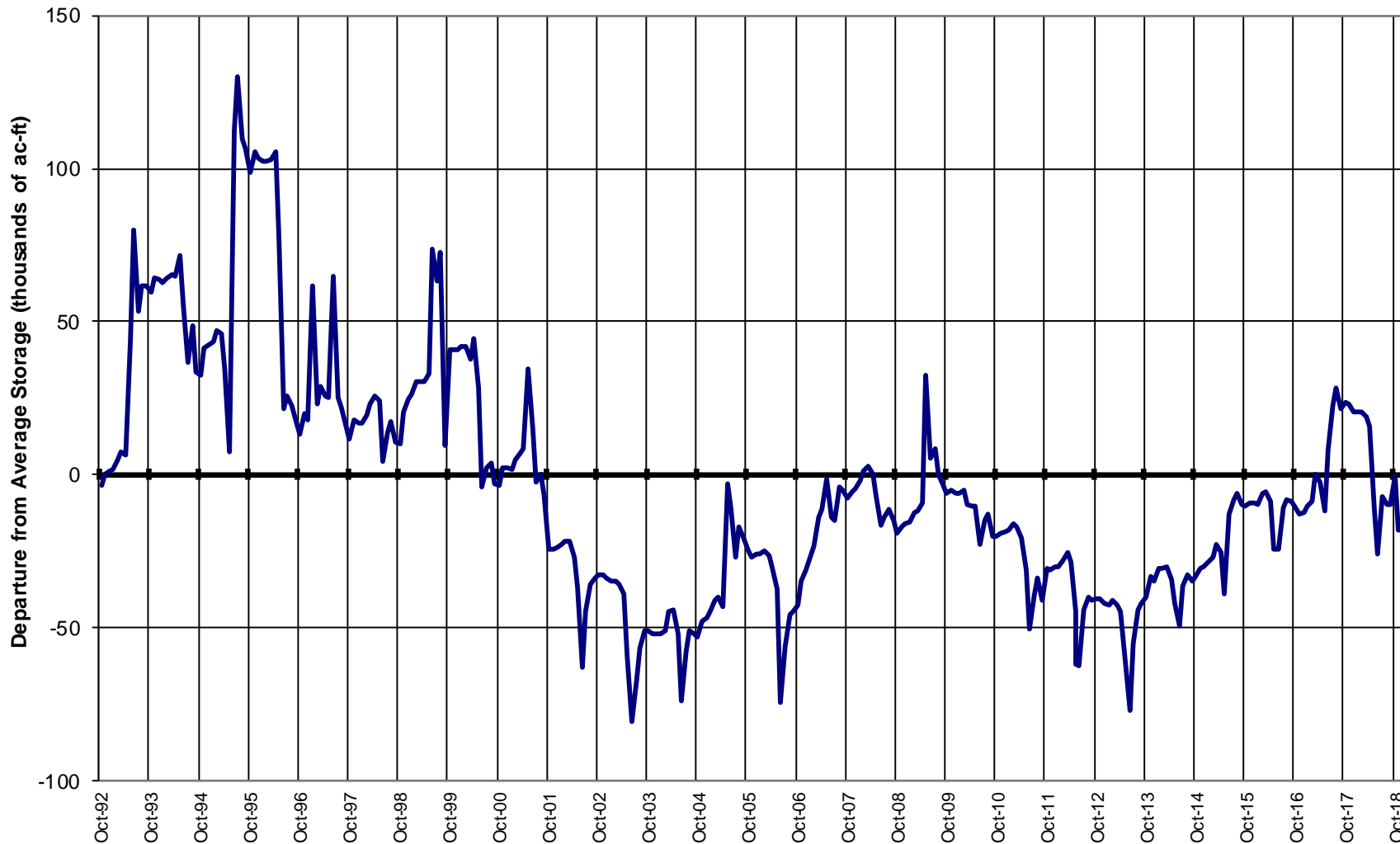
■ Percent Average

■ Percent Capacity





UPPER RIO GRANDE BASIN Reservoir Storage Departure from Average



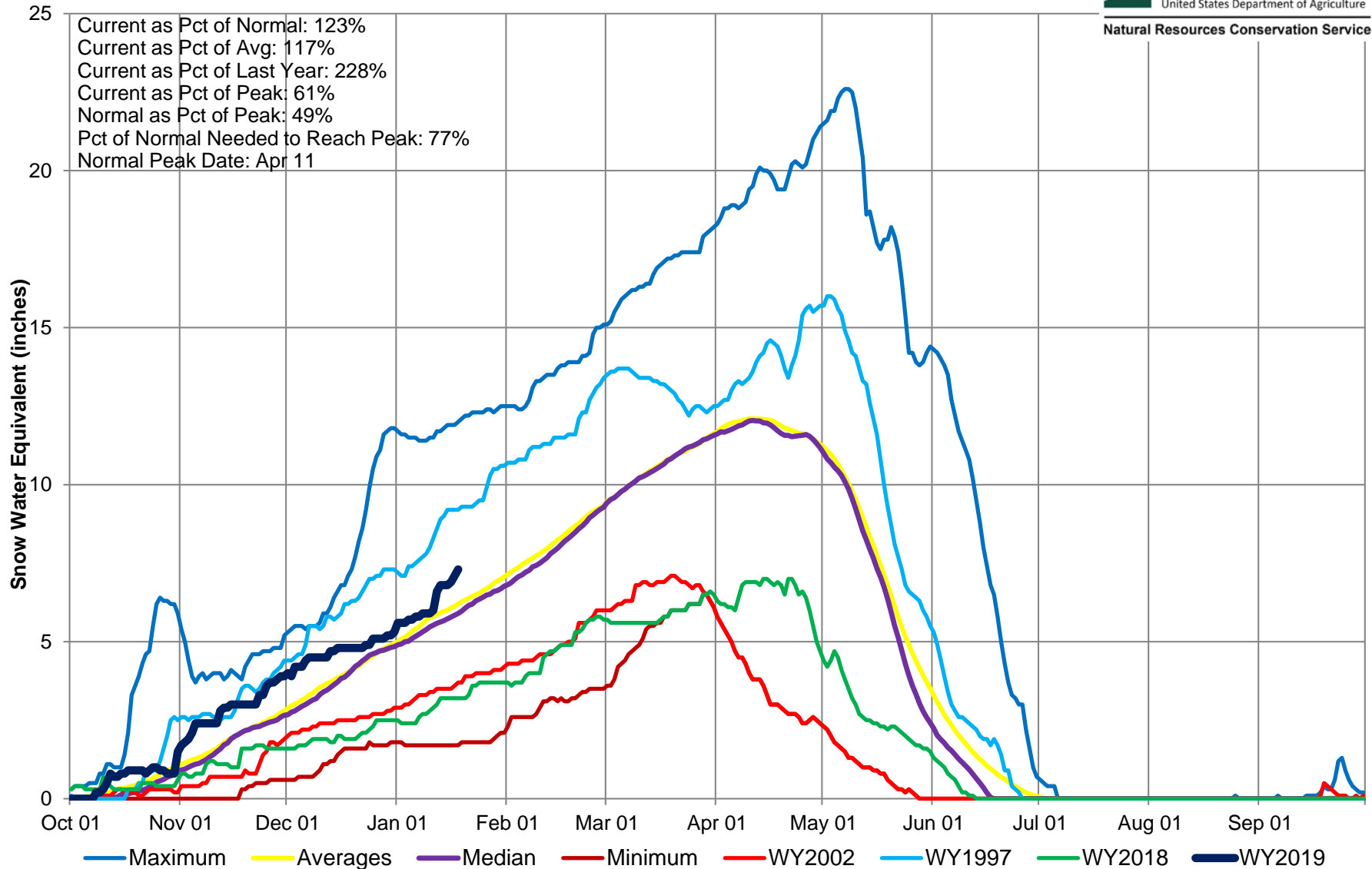
A detailed map of Colorado showing its geographical features. Major cities are marked with green dots and labeled, including Julesburg, Holyoke, Wray, Burlington, Cheyenne Wells, Eads, Ordway, Las Animas, Lamar, Springfield, Trinidad, San Luis, Alamosa, Del Norte, Durango, Pagosa Springs, Cortez, Dove Creek, Teller, Lake City, Silverton, Creede, Gunnison, Montrose, Delta, Grand Junction, Aspen, Leadville, Fairplay, Breckenridge, Littleton, Denver, Golden, Boulder, Brighton, Fort Morgan, Akron, Sterling, Fort Collins, Greeley, Steamboat Springs, Craig, Meeker, and Walden. The map highlights several mountain ranges in grey: Upper Arkansas, Cucharas & Huerfano, Apishapa, and Purgatoire. A network of blue lines represents the state's river system. Black lines delineate the state's borders with neighboring states.





Arkansas River Basin High/Low Snowpack Summary

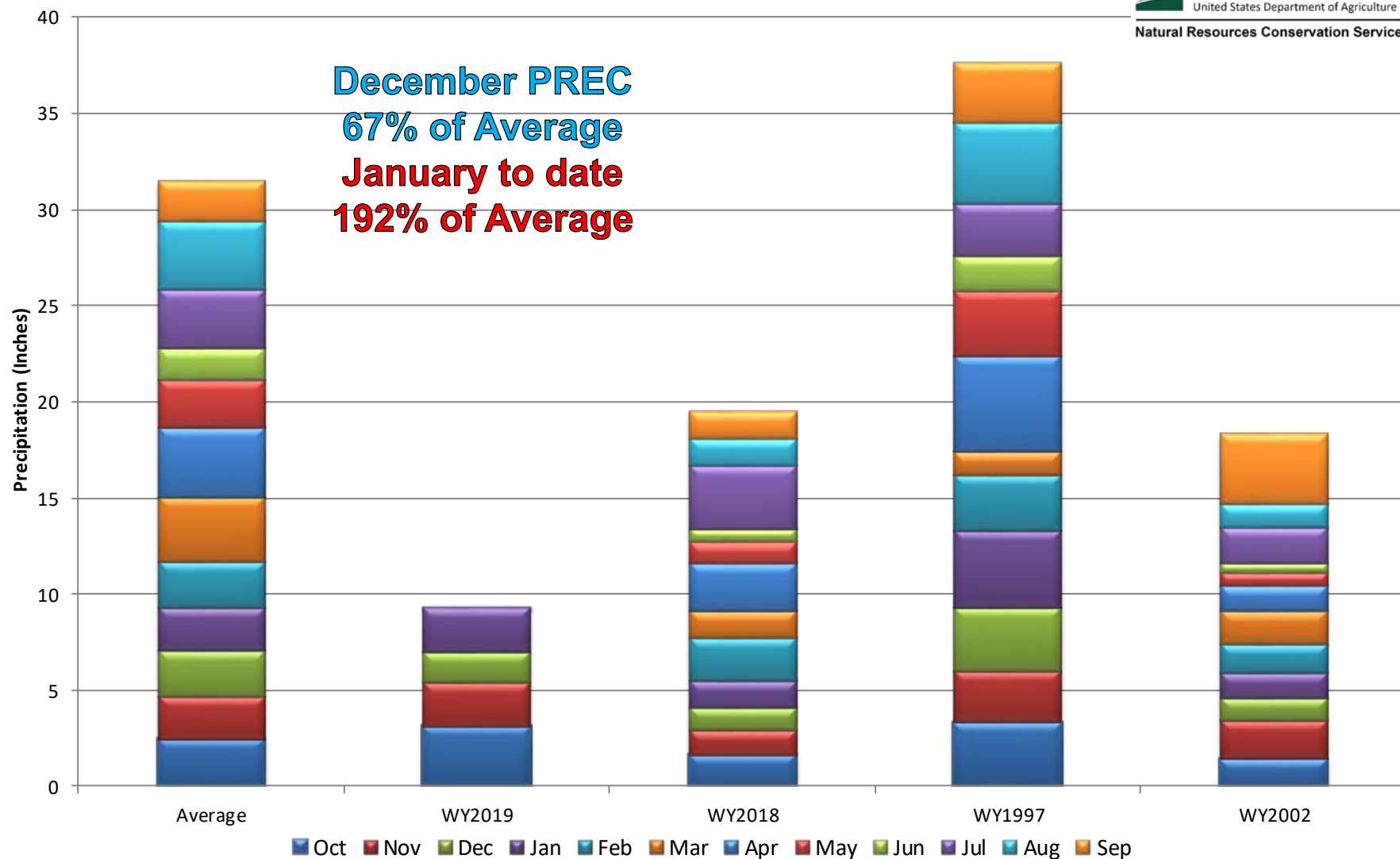
Based on Provisional SNOTEL data as of Jan 18, 2019





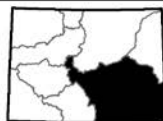
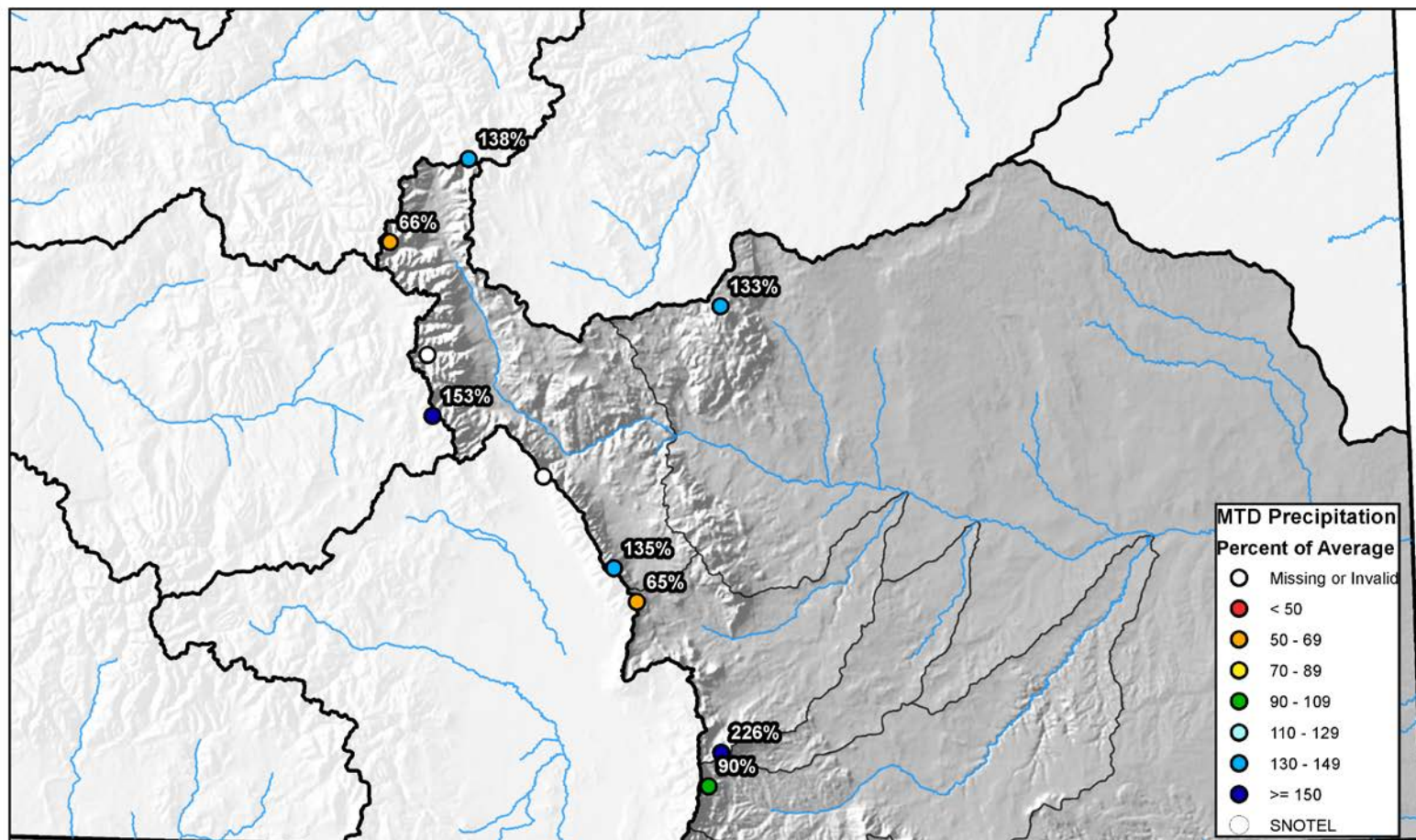
Arkansas River Basin High/Low Monthly Precipitation Summary

Based on Provisional SNOTEL data as of Jan 18, 2019



Arkansas River Basin Month to Date Precipitation Summary

Current as of Jan 18, 2019

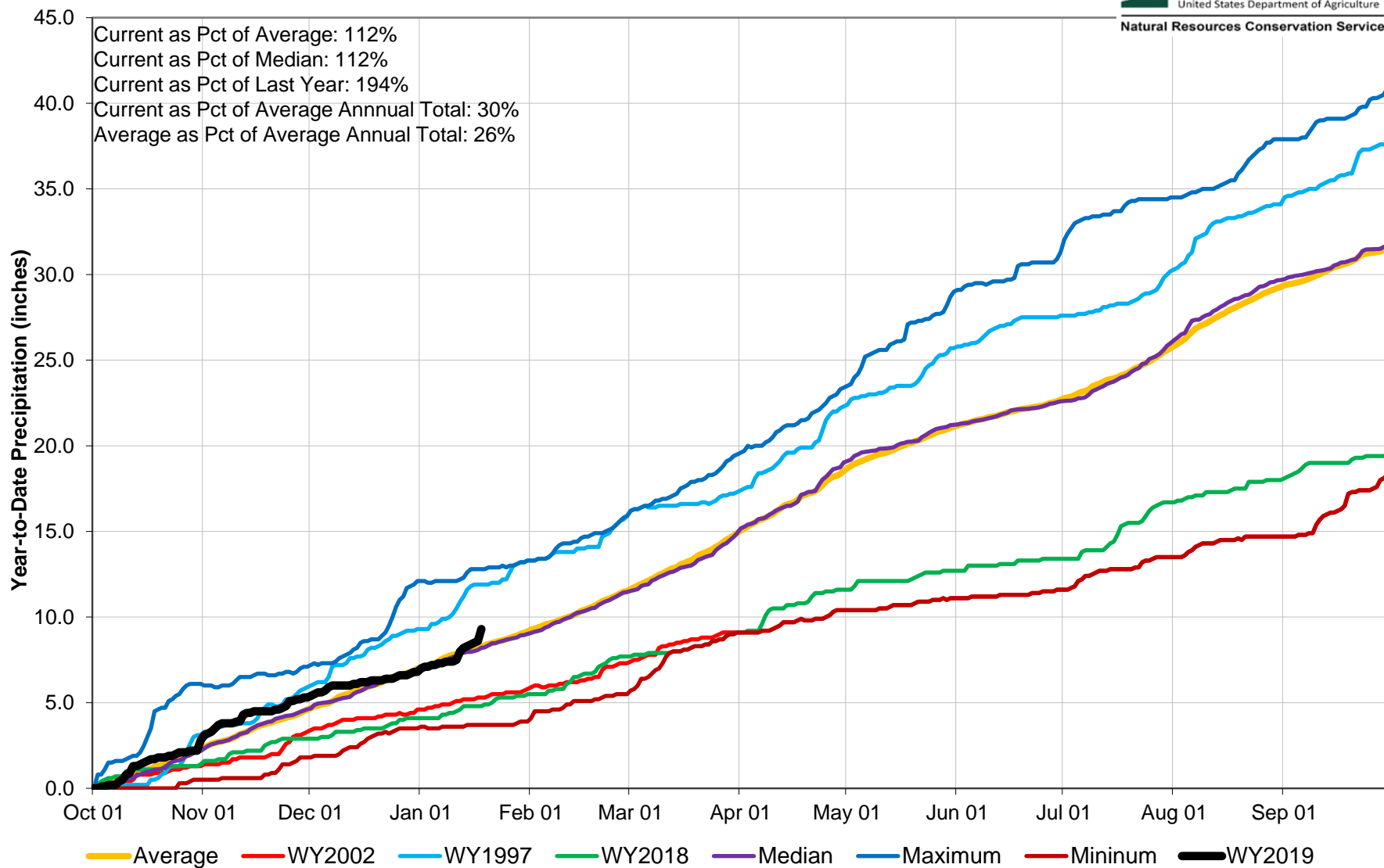


0 10 20 40 60 80 Miles



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

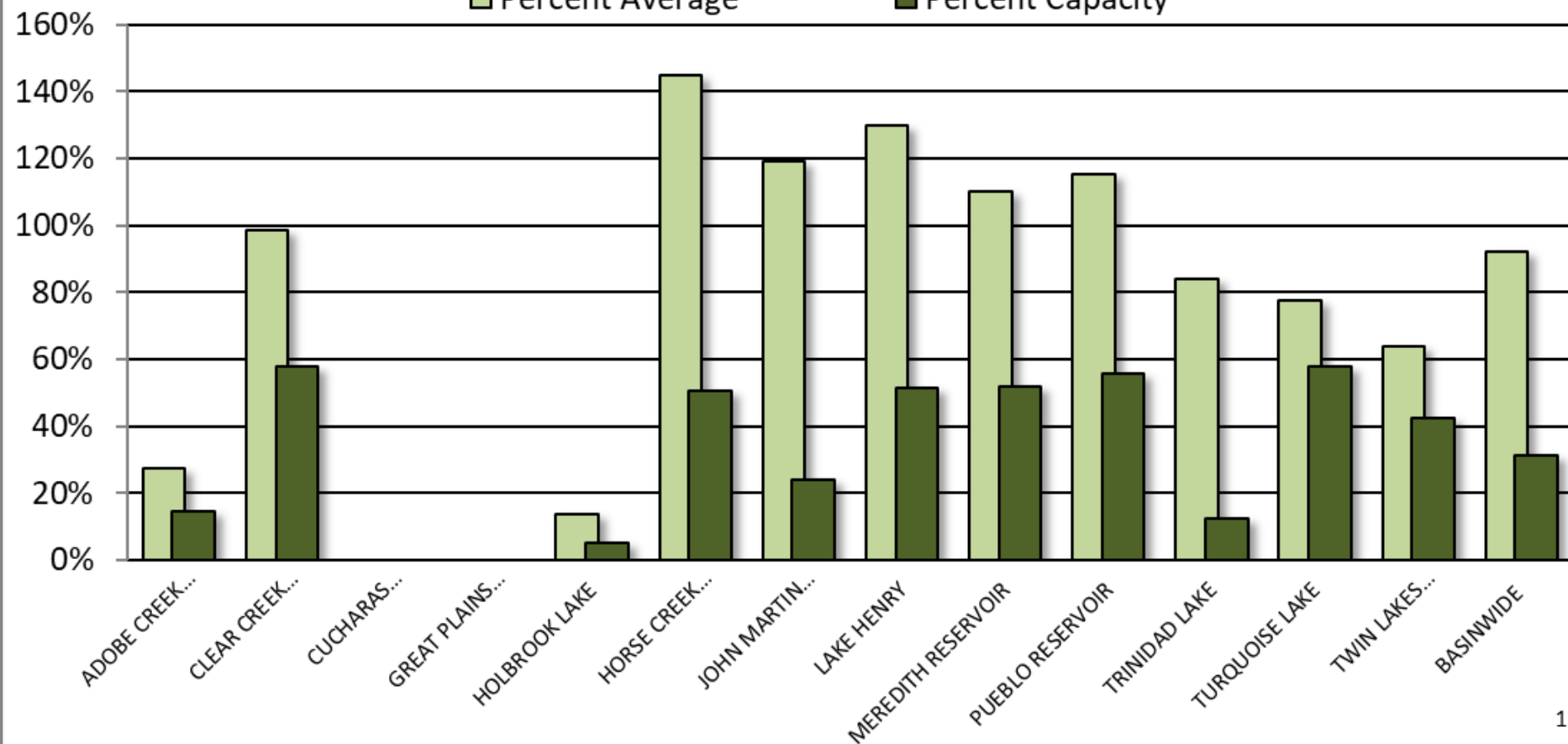
Based on Provisional SNOTEL data as of Jan 18, 2019



Reservoir Storage

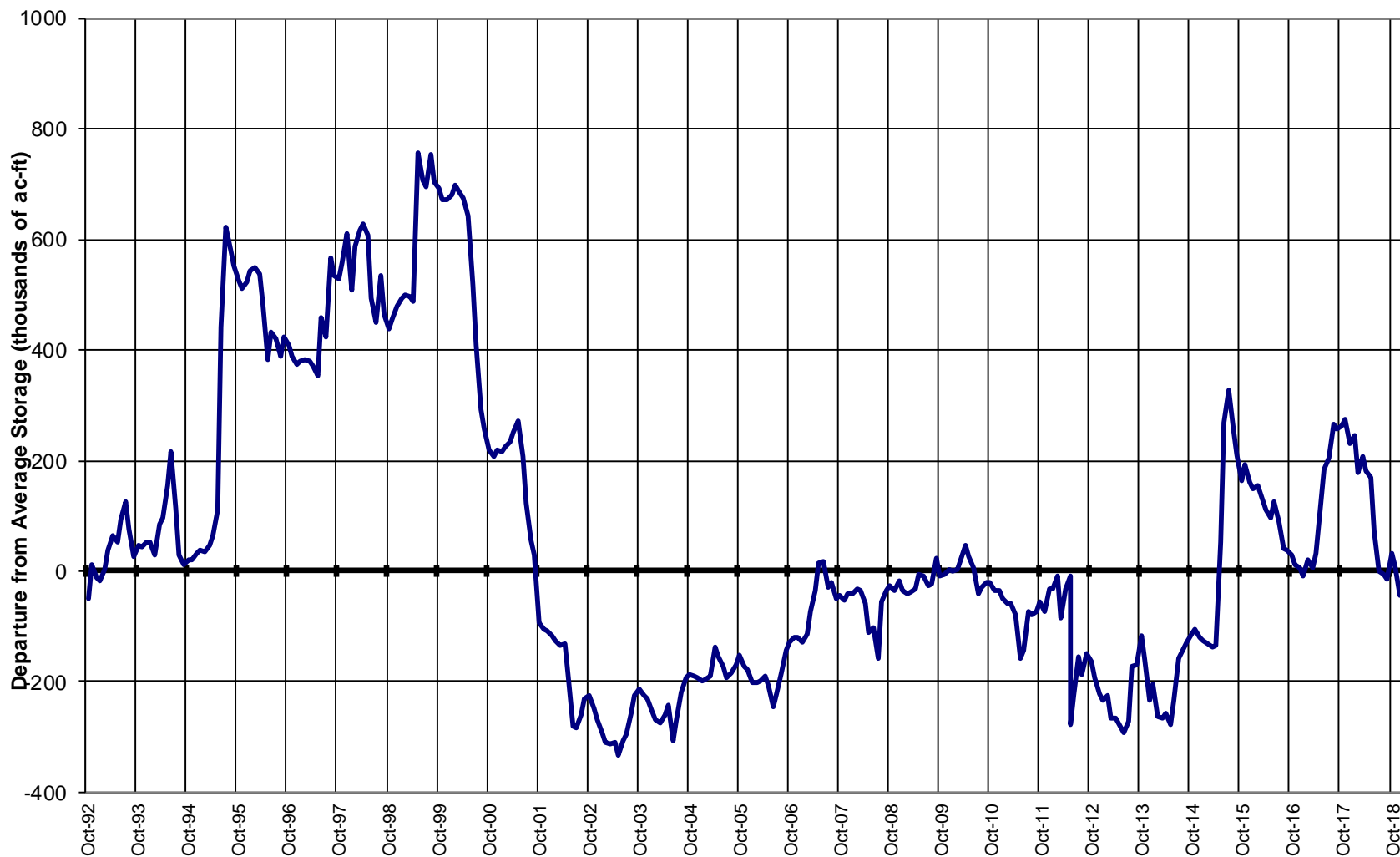
■ Percent Average

■ Percent Capacity



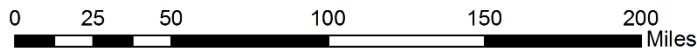
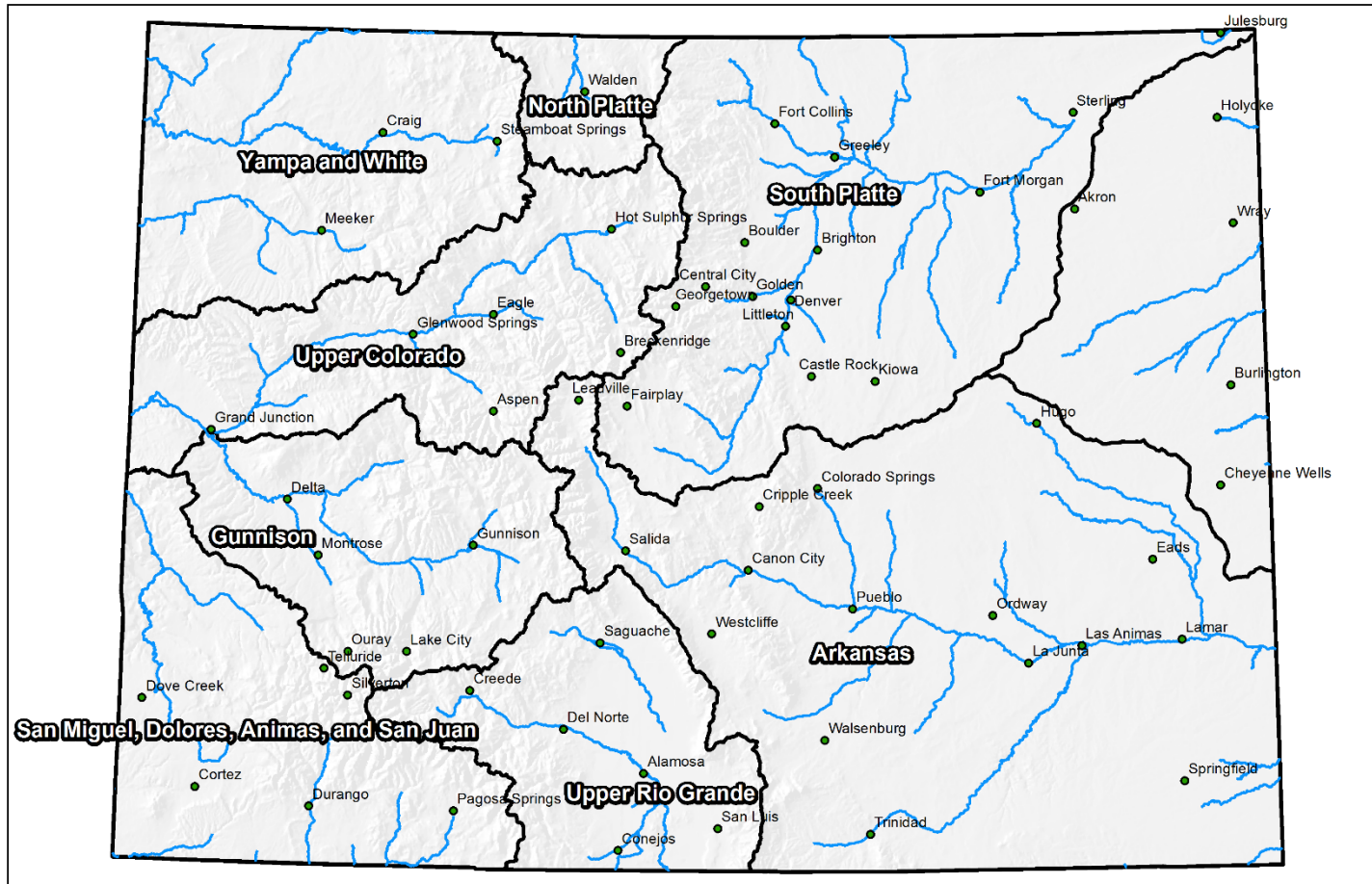


ARKANSAS RIVER BASIN Reservoir Storage Departure from Average



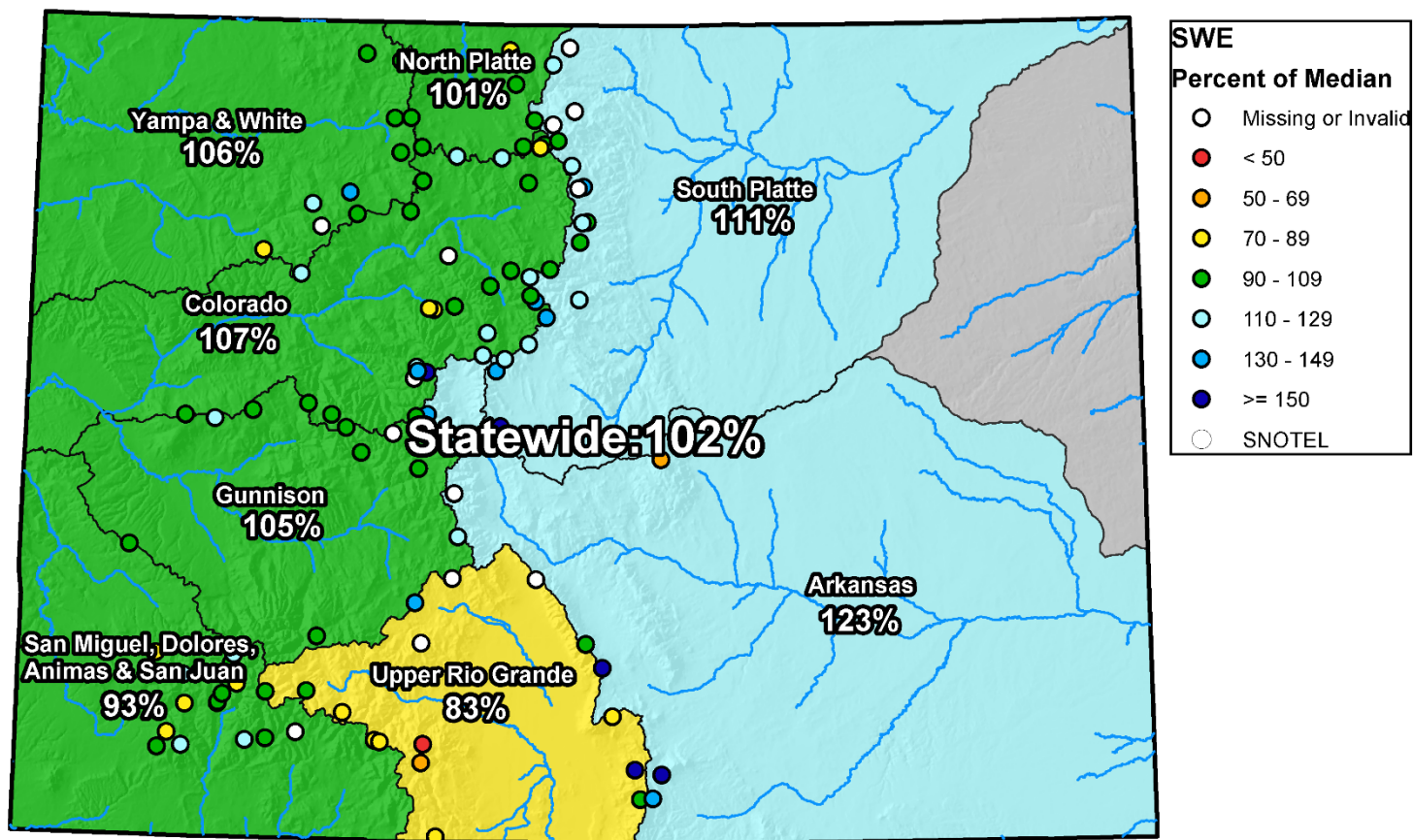
Colorado Statewide Summary

Colorado Major Basins



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

Current as of Jan 18, 2019



0 25 50 100 150 200 Miles



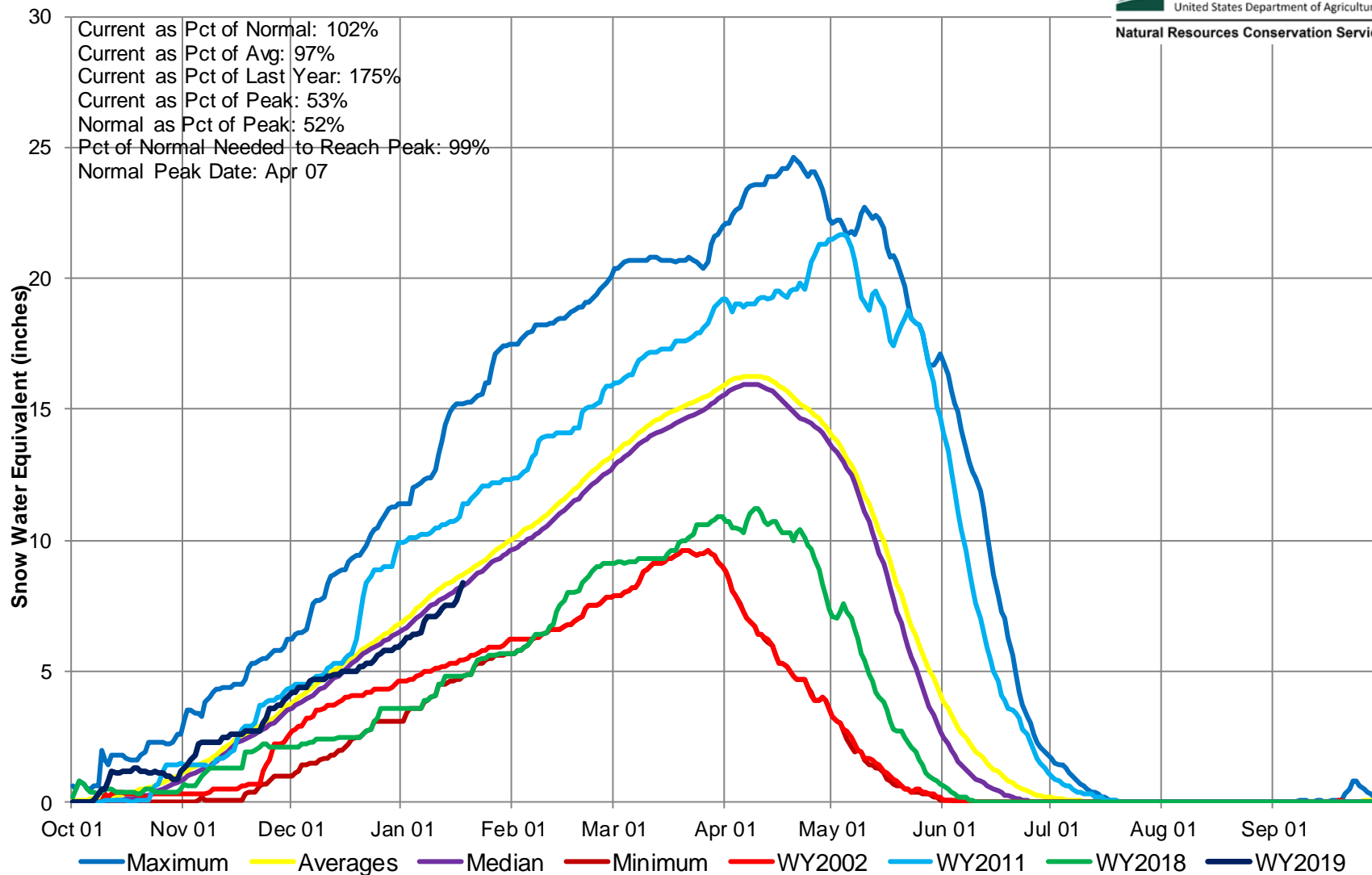
Colorado Statewide High/Low Snowpack Summary

Based on Provisional SNOTEL data as of Jan 18, 2019

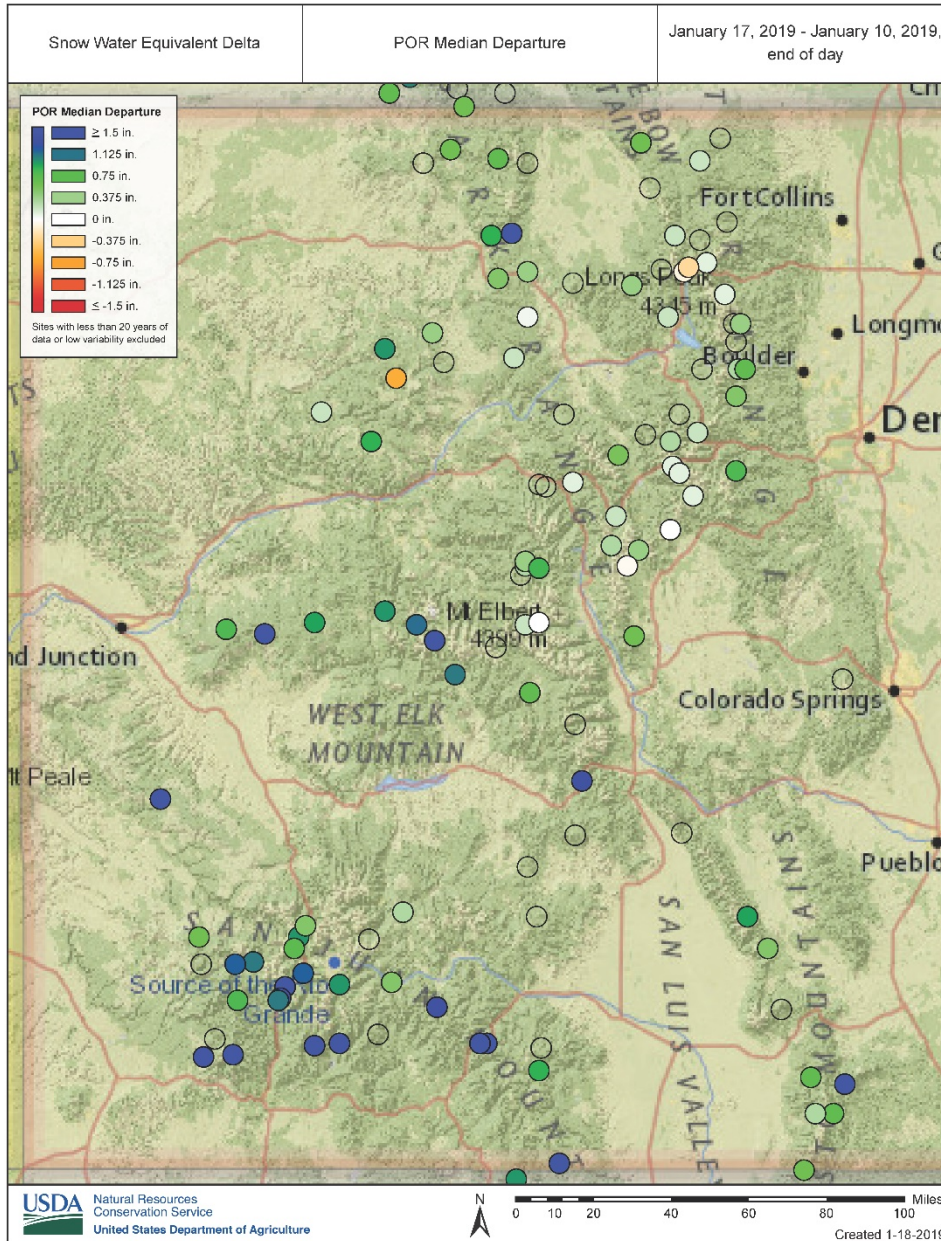


United States Department of Agriculture

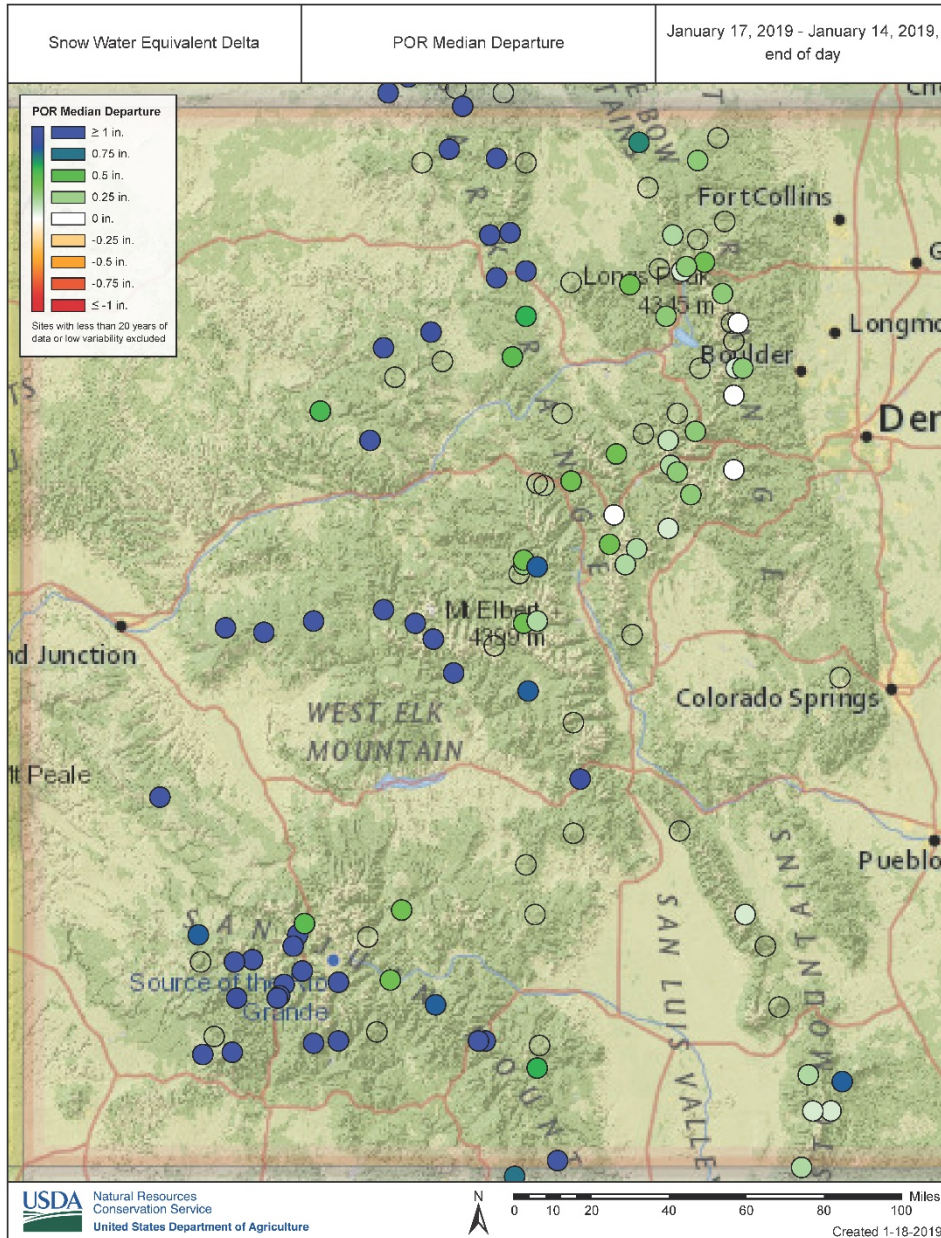
Natural Resources Conservation Service



Colorado Snow Surveys



Colorado Snow Surveys





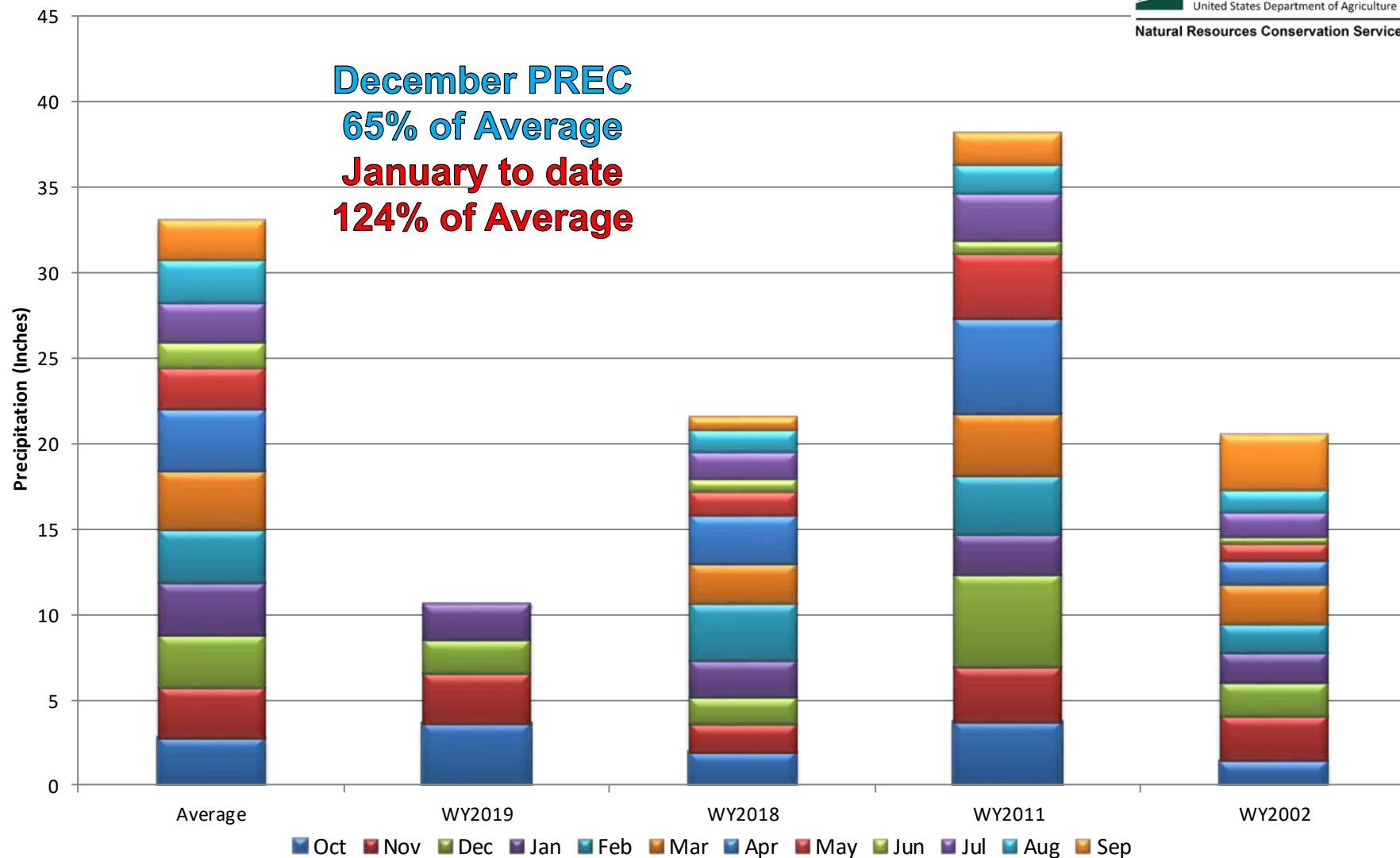
Colorado Statewide High/Low Monthly Precipitation Summary

Based on Provisional SNOTEL data as of Jan 18, 2019



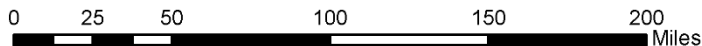
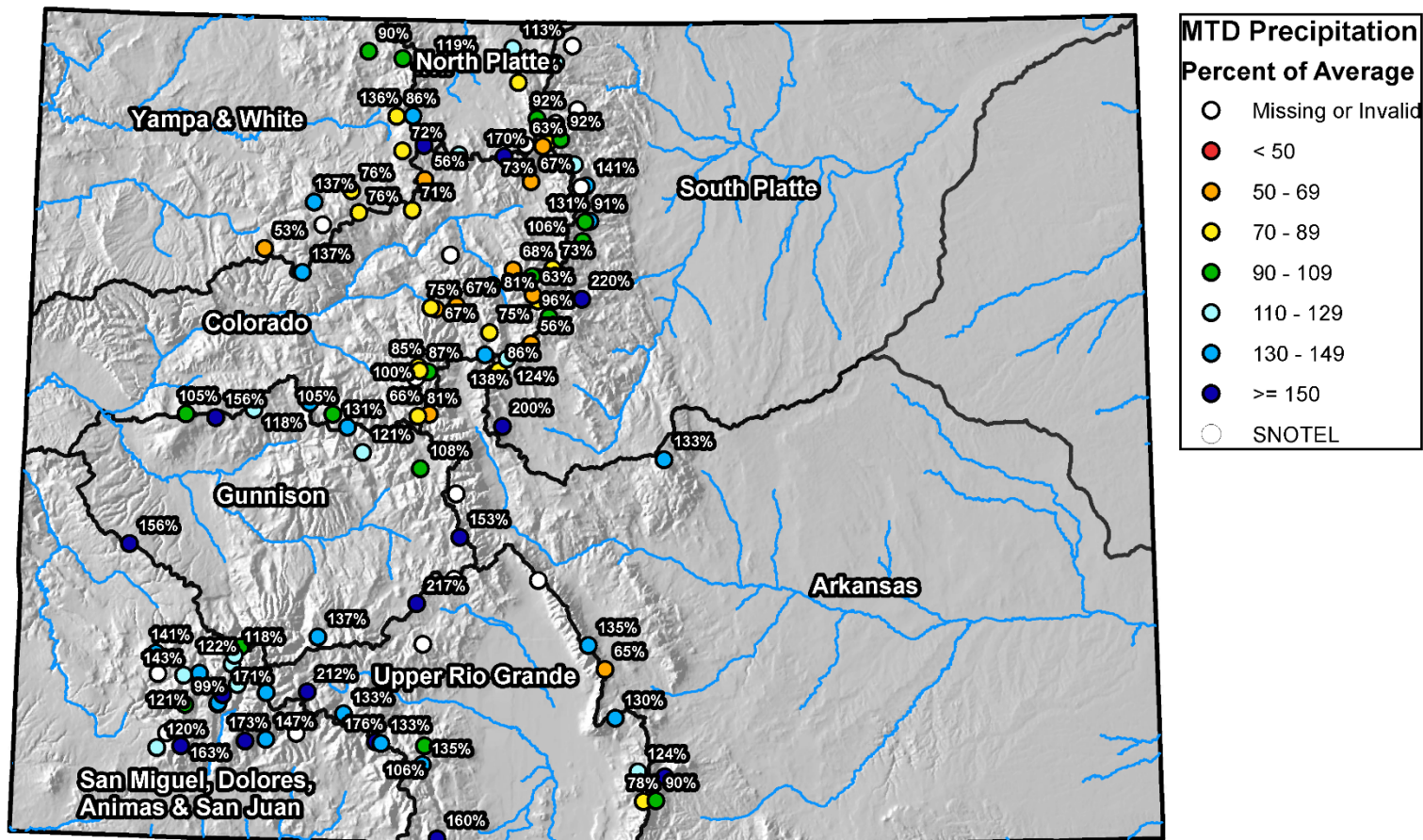
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Colorado SNOTEL Month-to-Date Precipitation

Current as of Jan 18, 2019





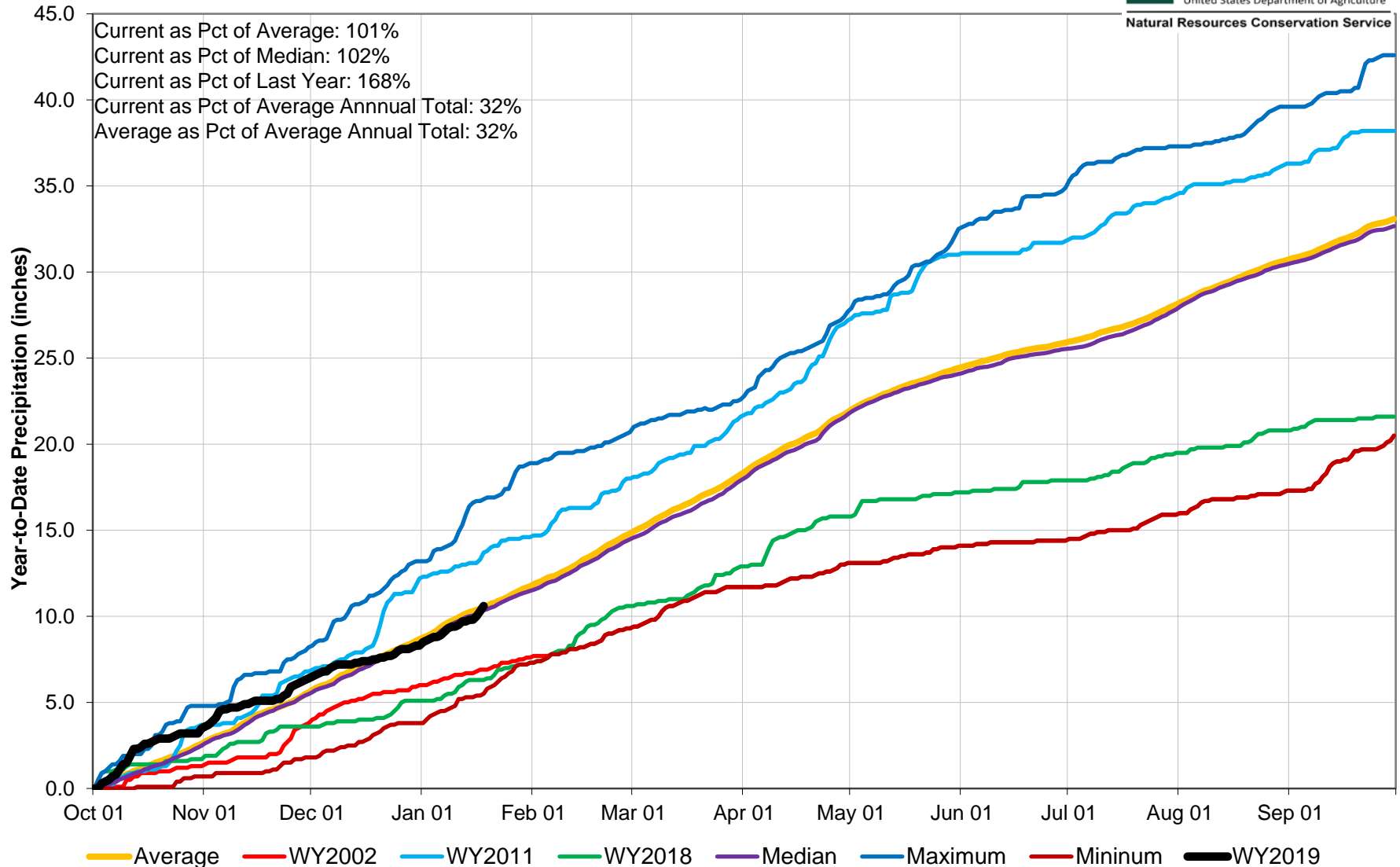
United States Department of Agriculture

Colorado Snow Surveys

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

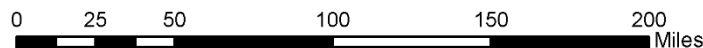
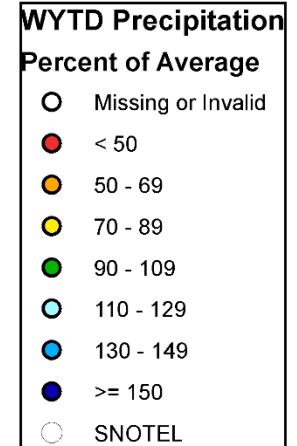
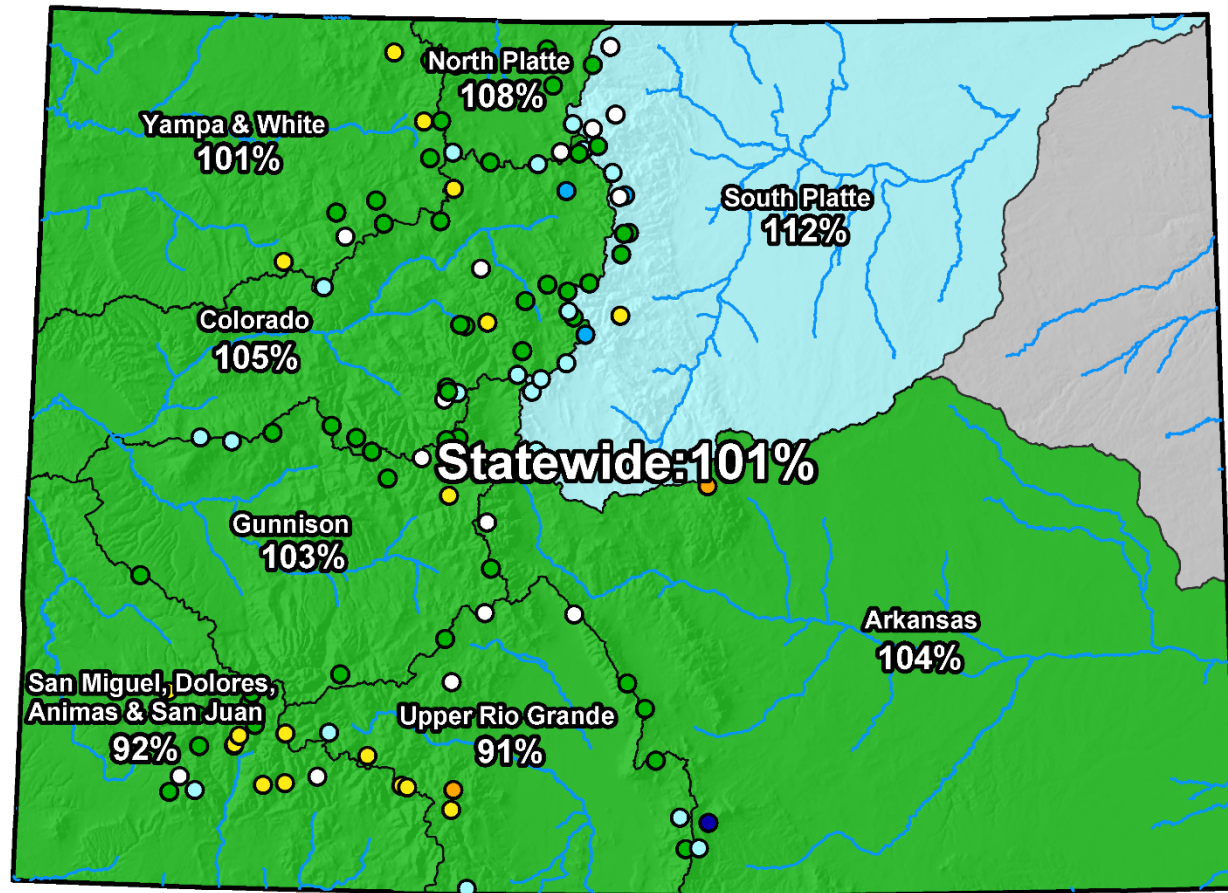
Based on Provisional SNOTEL data as of Jan 18, 2019

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United States Department of Agriculture
Natural Resources Conservation Service



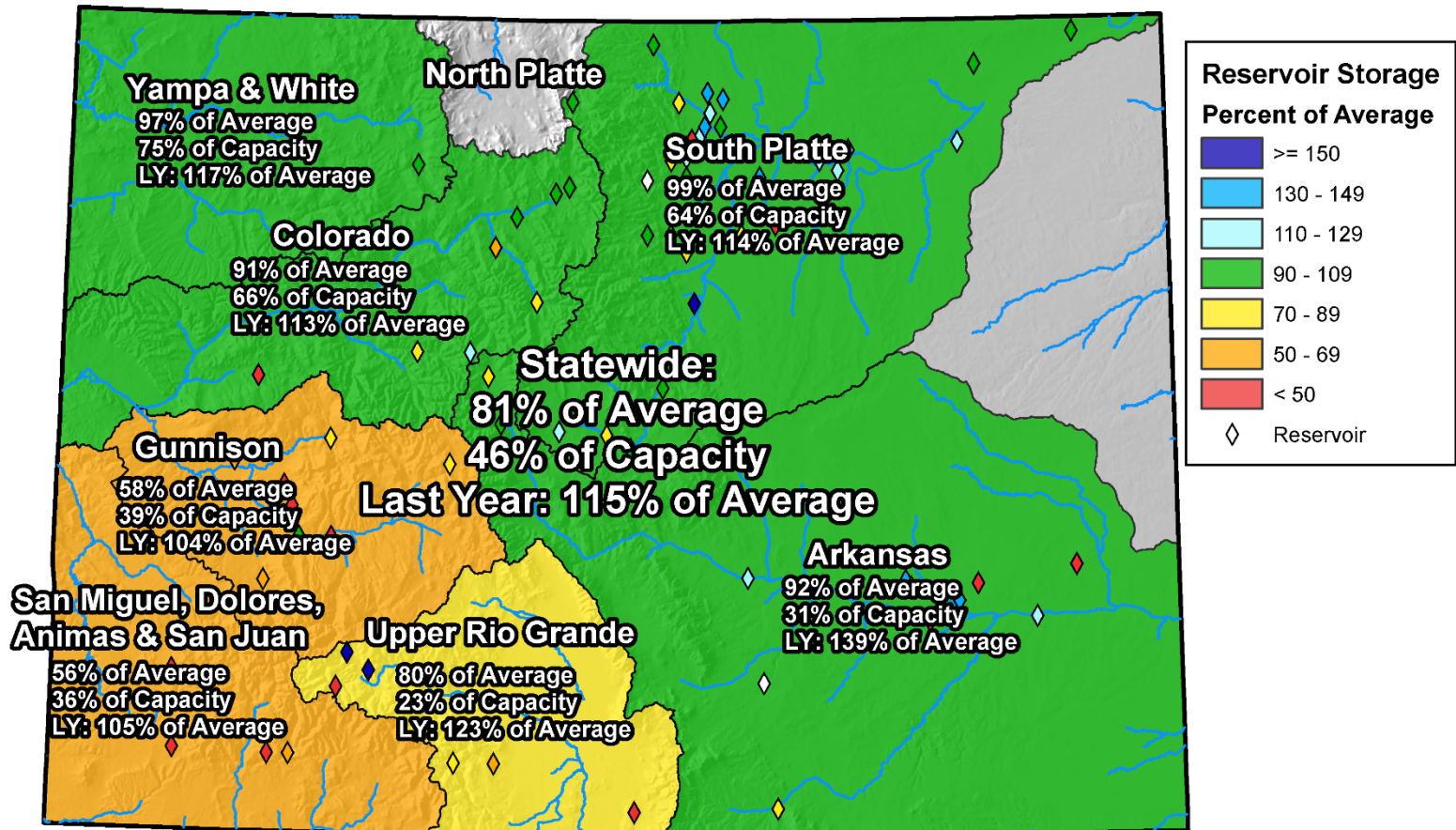
Colorado SNOTEL Water Year to Date Precipitation

Current as of Jan 18, 2019



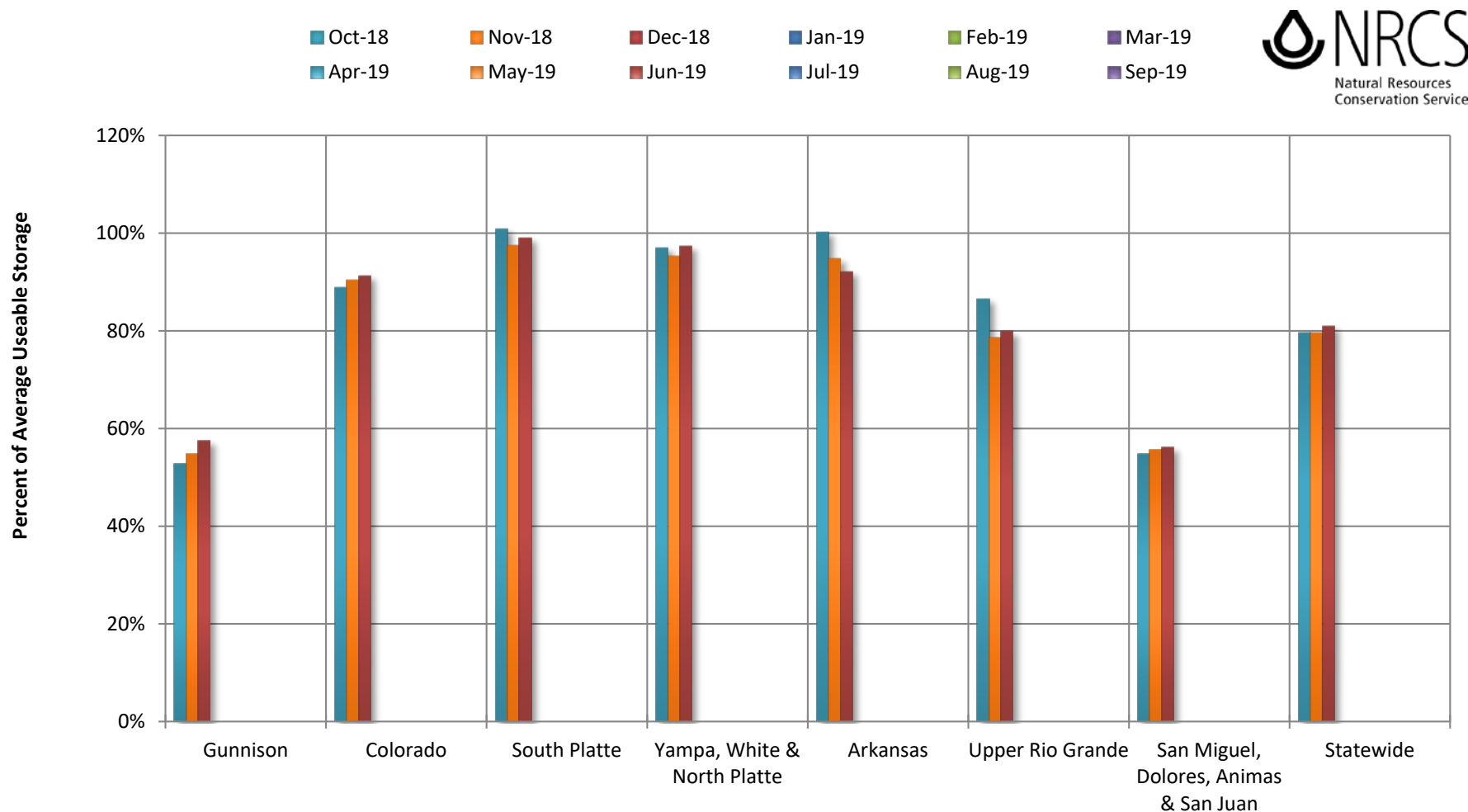
Colorado Monthly Reservoir Storage Summary

End of December 2018



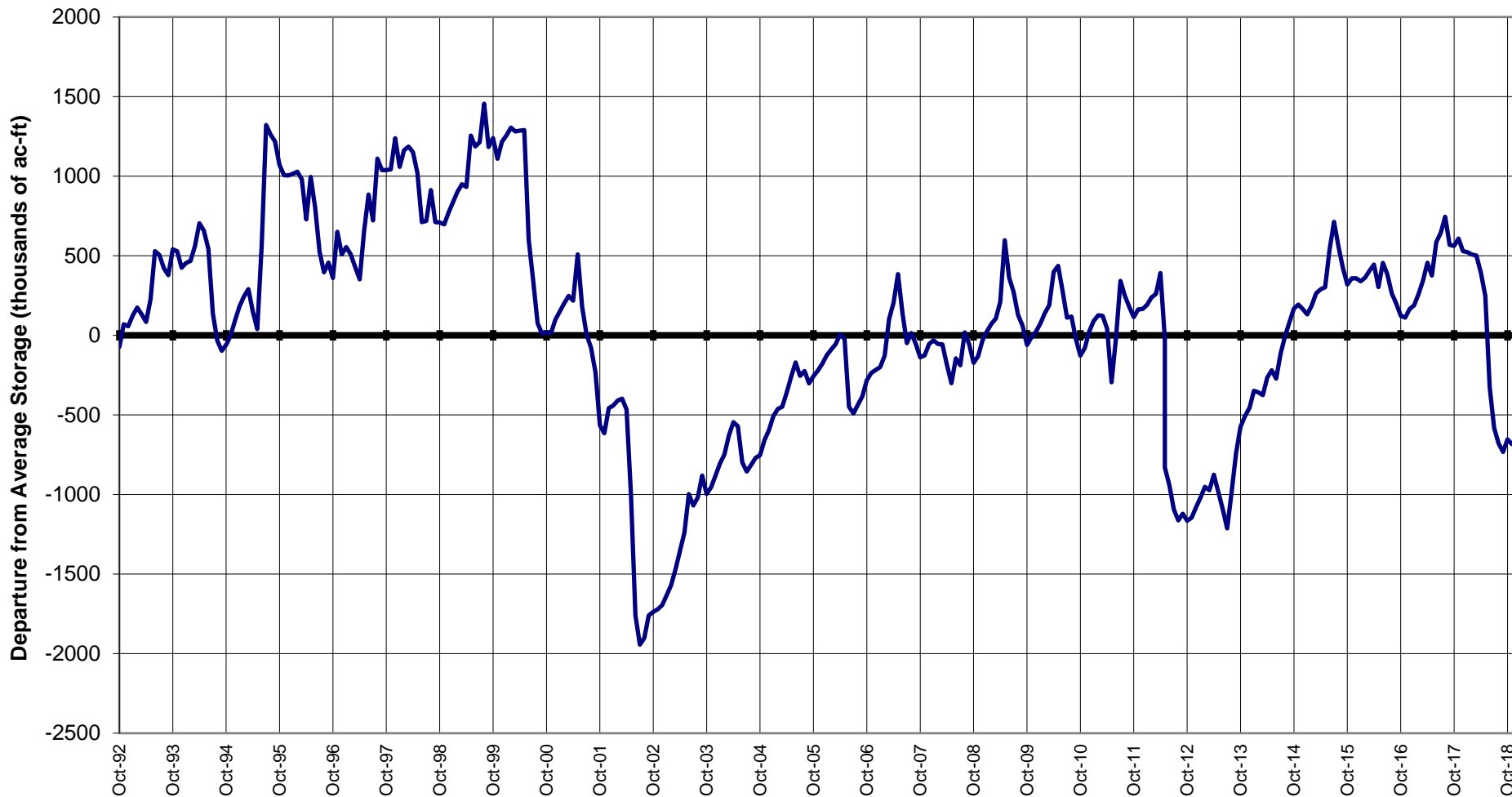
0 25 50 100 150 200 Miles

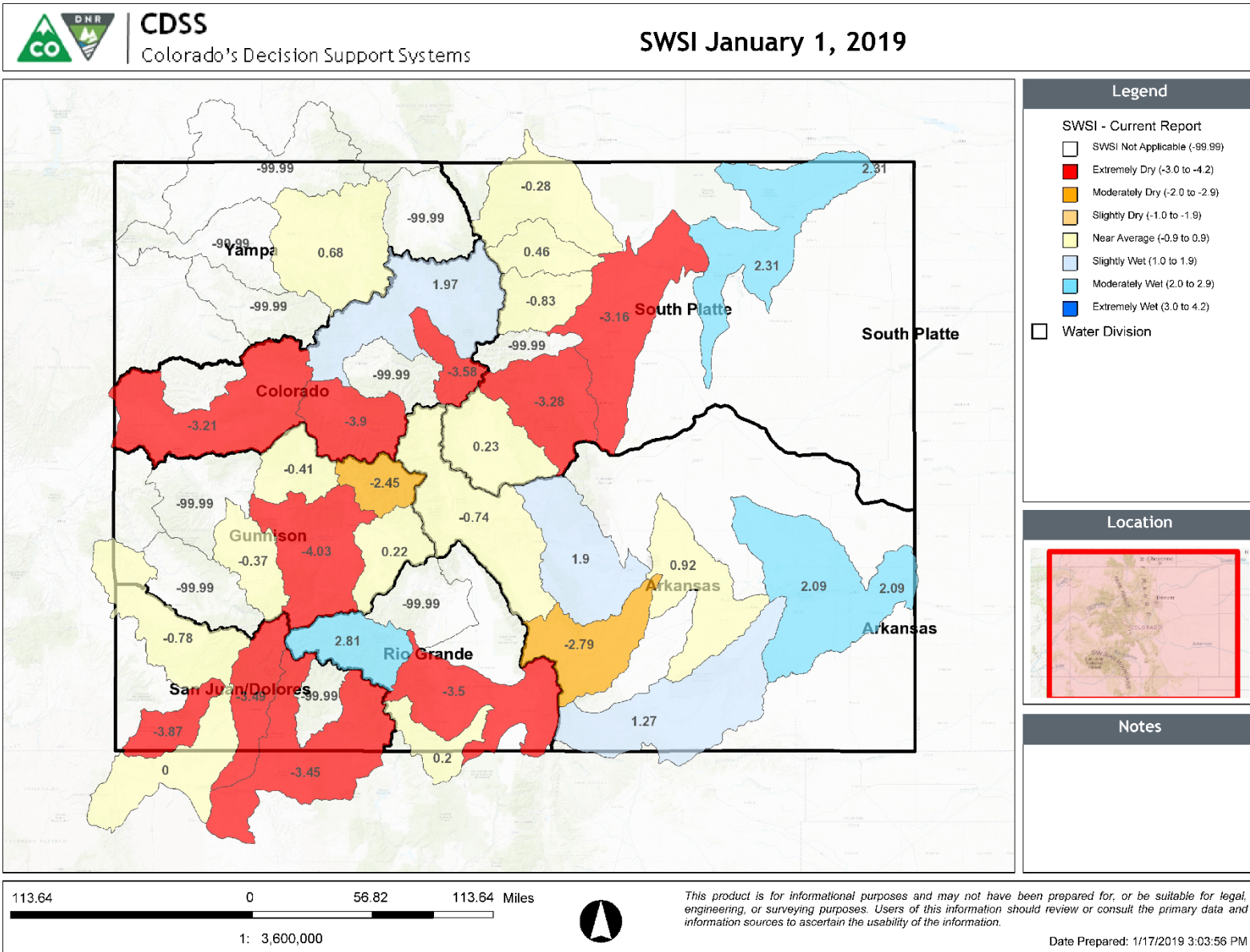
Colorado Reservoir Storage





COLORADO STATEWIDE Reservoir Storage Departure from Average





Summary

•Snowpack

- Statewide snowpack now @ 102% norm up from 95% on Wed 1/16.
- Ark strongest snowpack in state w/ 120% norm
- SMDASJ has had the best month & half since Dec 1 followed by Gunn
- U Rio G. has had a better than avg Jan but could use some more snow compared to totals back in Nov

•Precipitation Statewide

- December totals poor @ 65% norm
- GREAT start to Jan @ 124% norm
- Year to date precipitation at 101% norm
- January storms were just what CO needed, hope this continues

•Statewide reservoir storage gained 1% since last month to now 81% of normal



United States Department of Agriculture

Colorado Snow Surveys

Water Availability Task Force Meeting

January 22nd, 2019

NRCS Snow Survey and Water Supply Forecasting Program

Brian Domonkos

Hydrologist

Snow Survey Supervisor

720-544-2852

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



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