

Water Supply Update

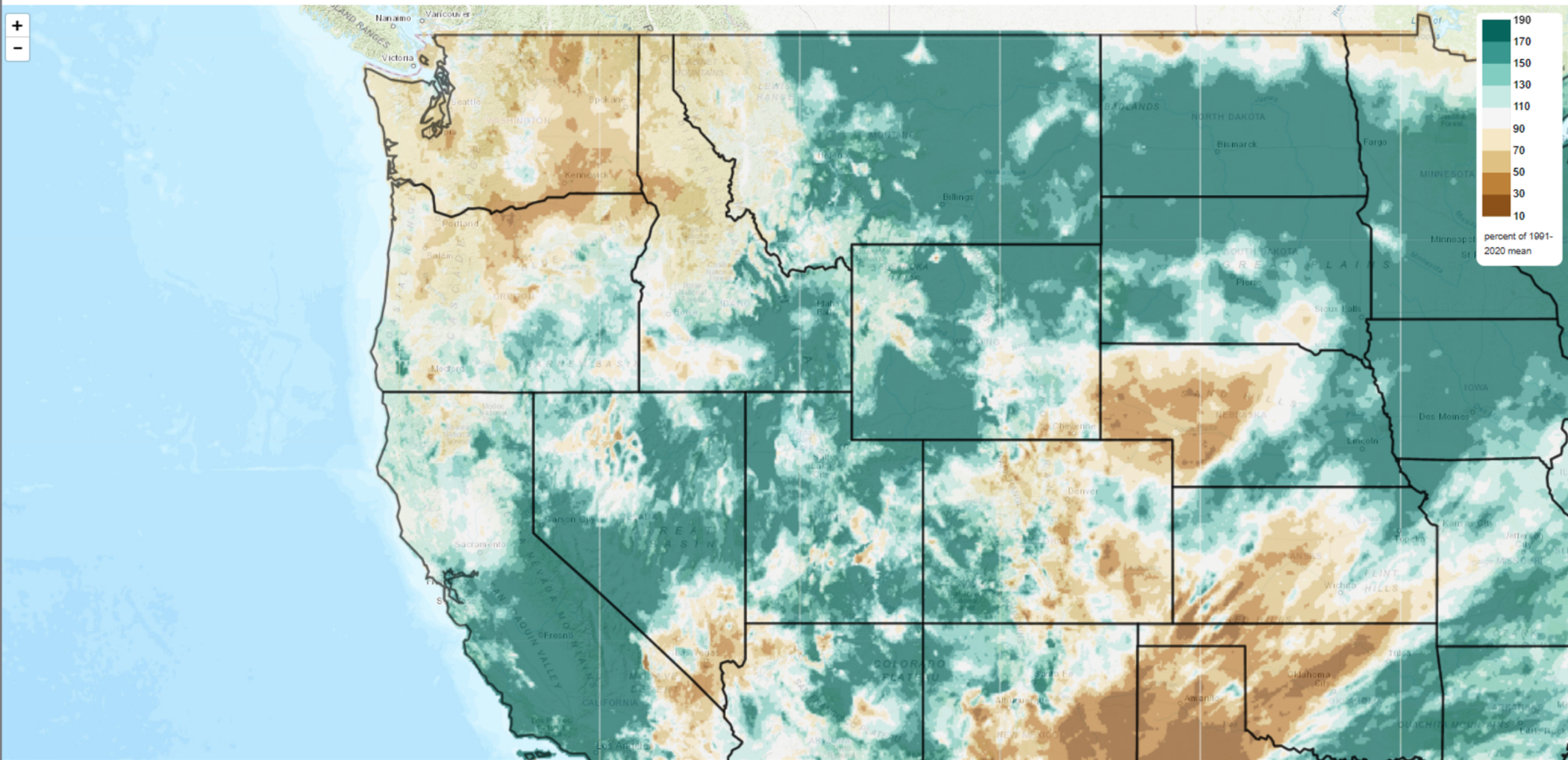
Water Resources Advisory Committee

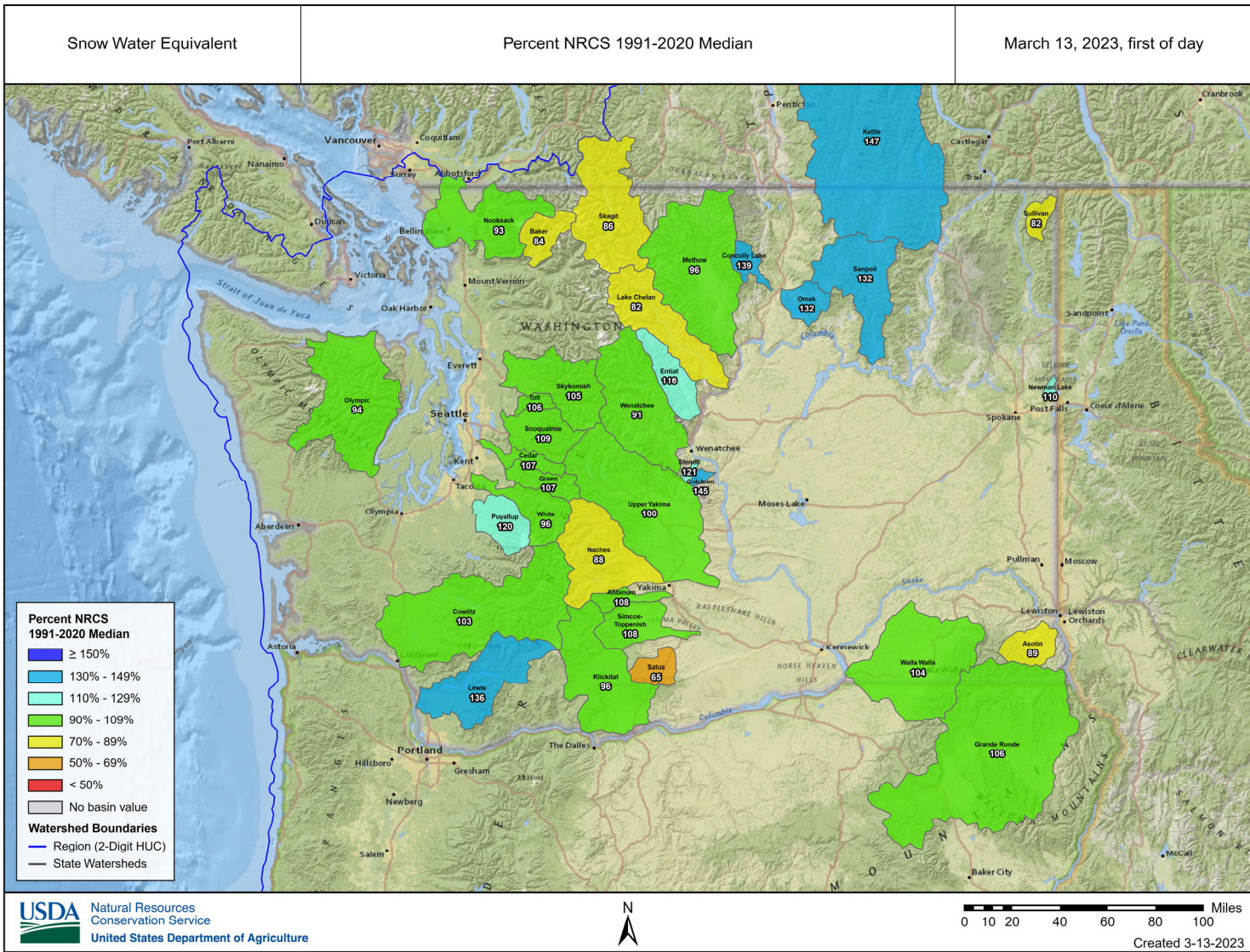
Jeff Marti

March 13, 2023

Total Precipitation Anomaly, Last 30 Days

2023/02/10 - 2023/03/11



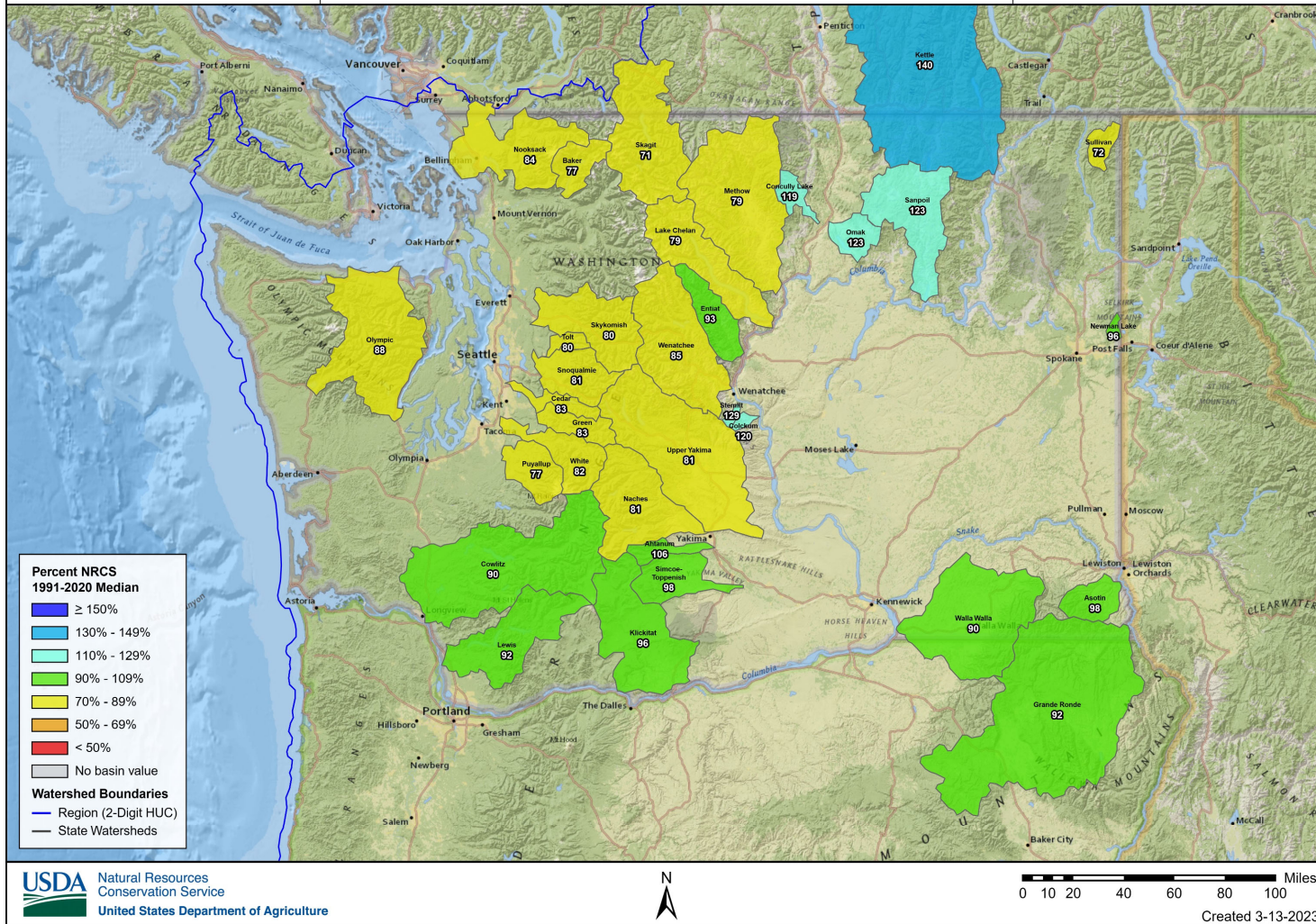


March 13 Statewide
Average: 100 percent of
normal

Water Year to Date Precipitation

Percent NRCS 1991-2020 Median

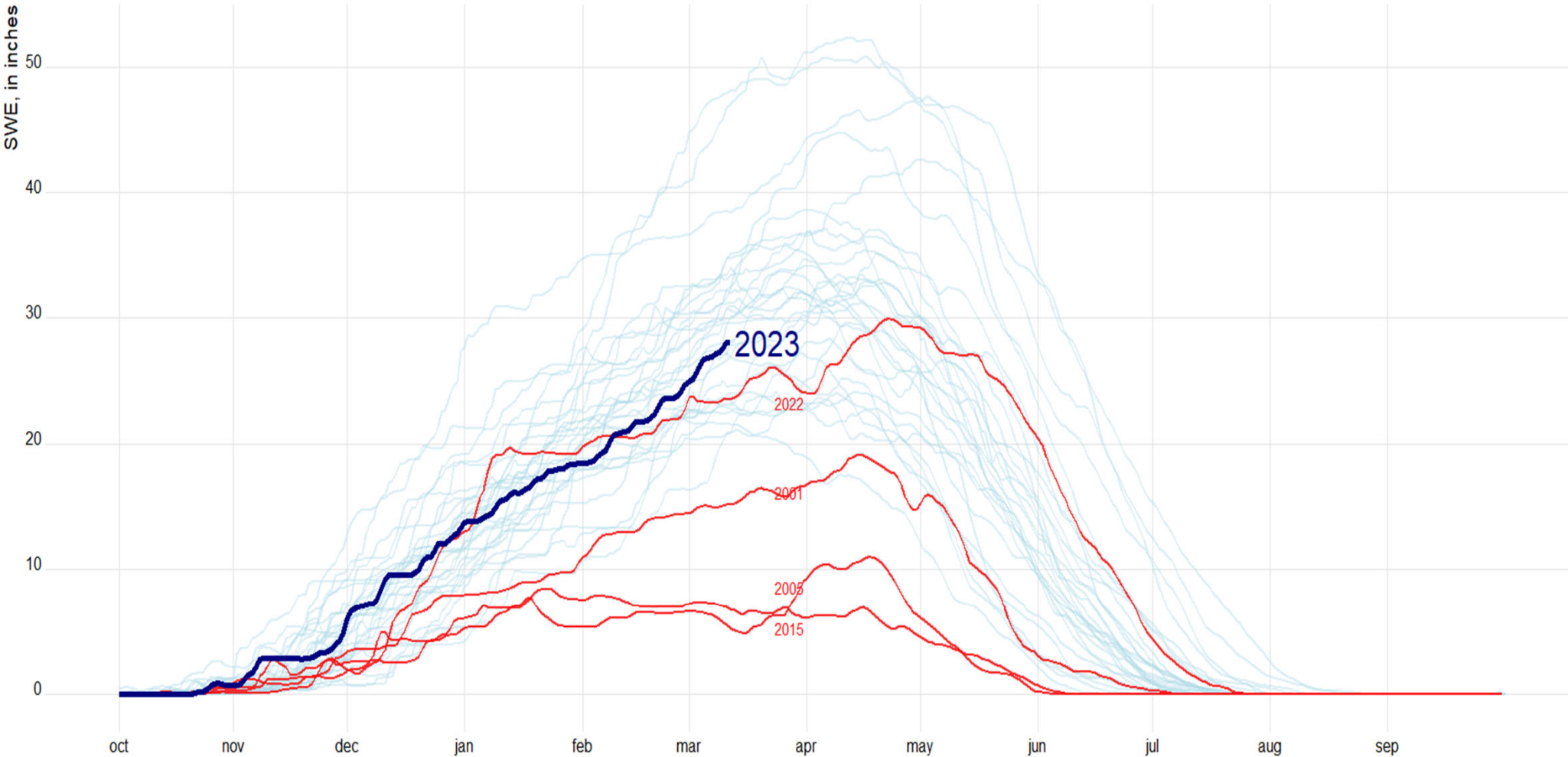
October 1, 2022 - March 12, 2023



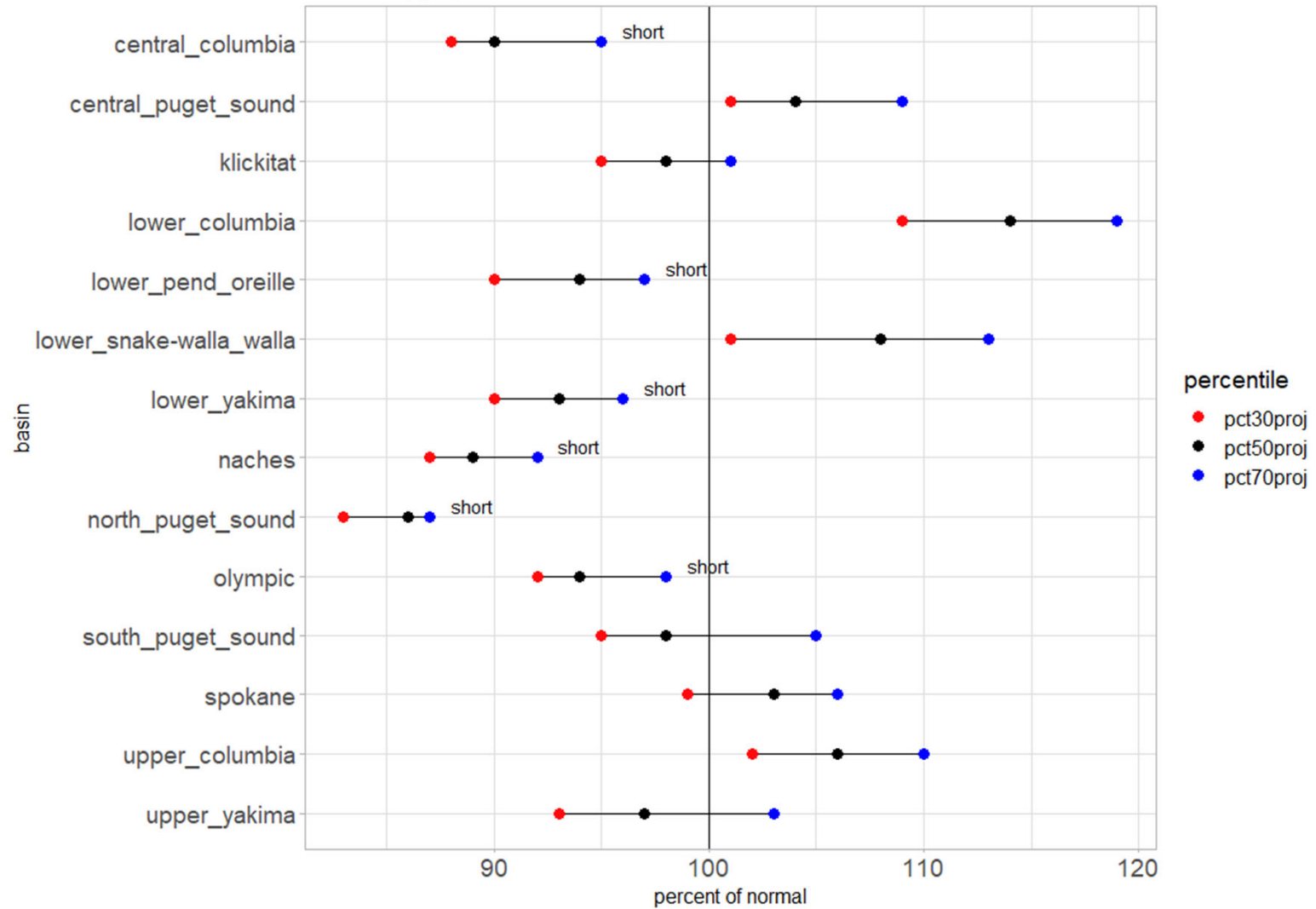
Water Year to Date
Statewide Average Precip
(SNOTEL sites): 85 pct of
average

Average Washington State SWE (SNOTEL)

Water Years: 1990 - 2023 Created on: 2023-03-12

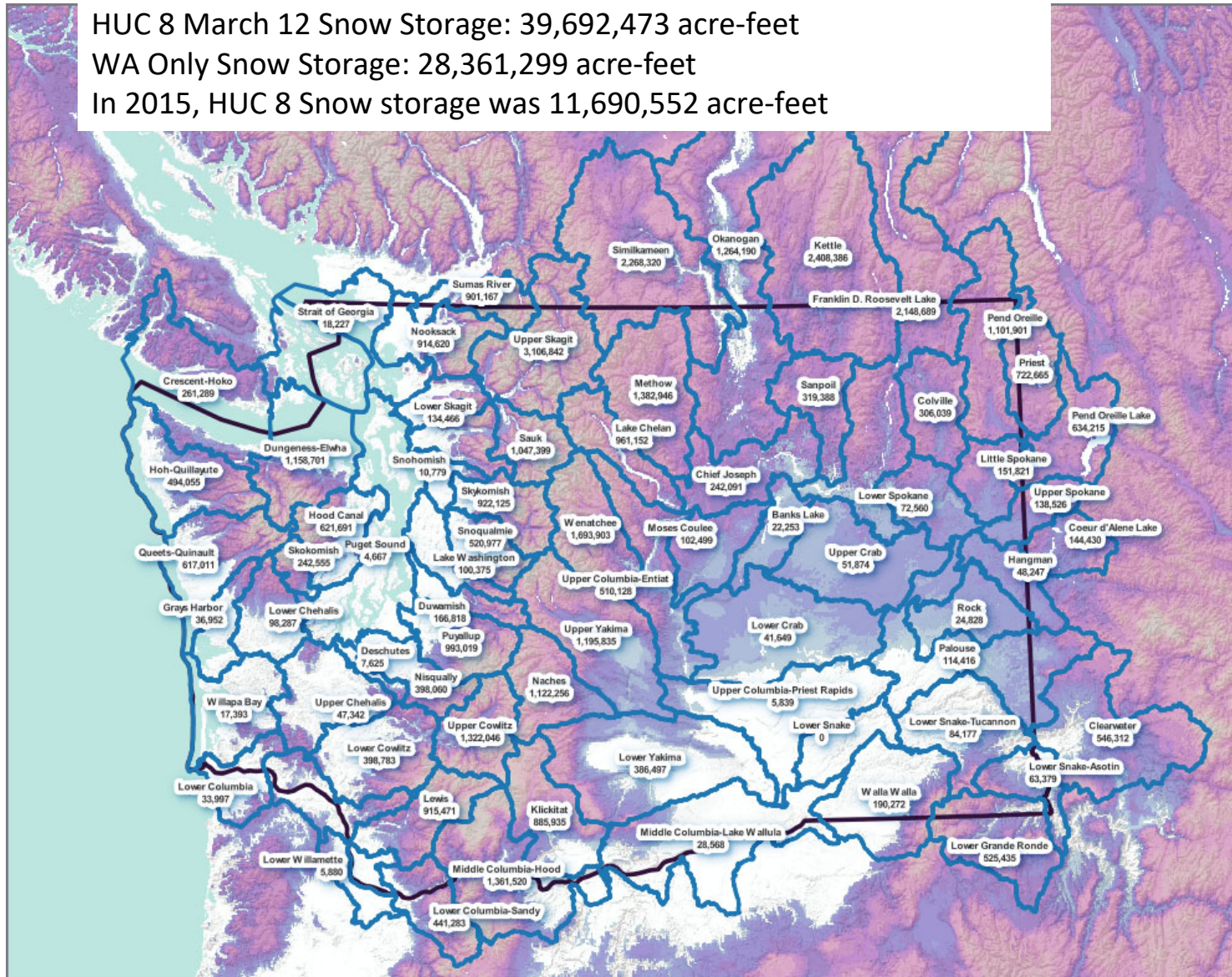


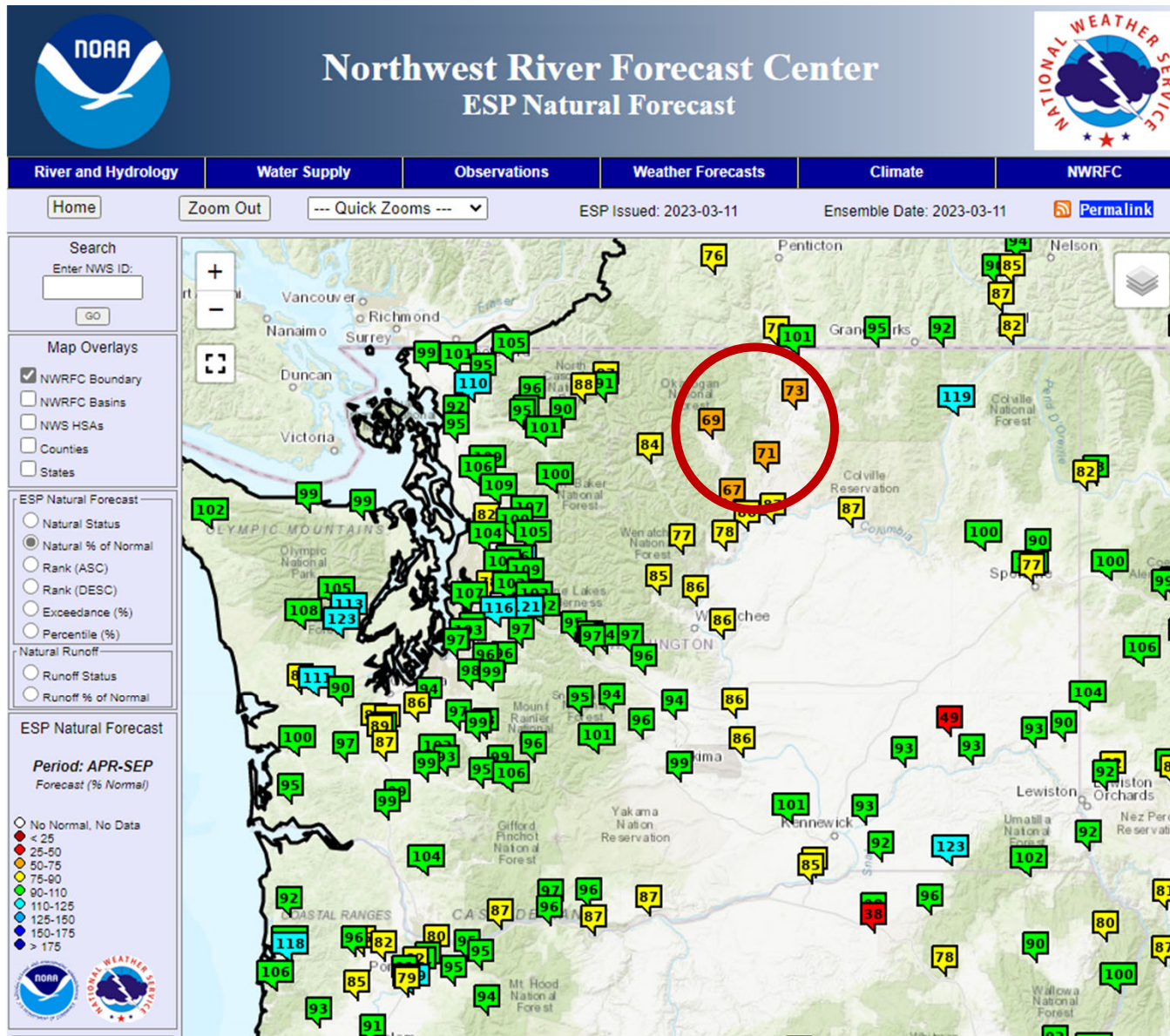
basin SWE projections to April 1 at low (30th percentile), medium (50th percentile), and high (70th per
NRCS Data | query date: 03-13



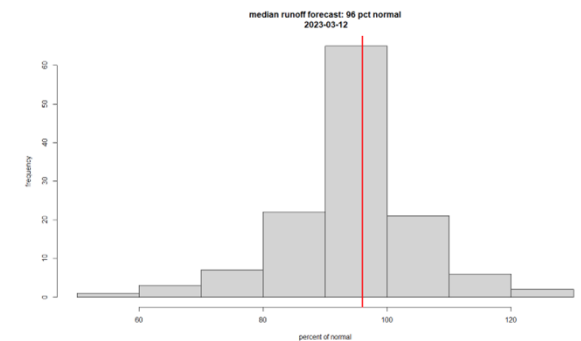
with much better (70th percentile) than normal accumulation the basin SWE average will be below normal

HUC 8 March 12 Snow Storage: 39,692,473 acre-feet
WA Only Snow Storage: 28,361,299 acre-feet
In 2015, HUC 8 Snow storage was 11,690,552 acre-feet





Median Forecast for WA:
96 percent of normal

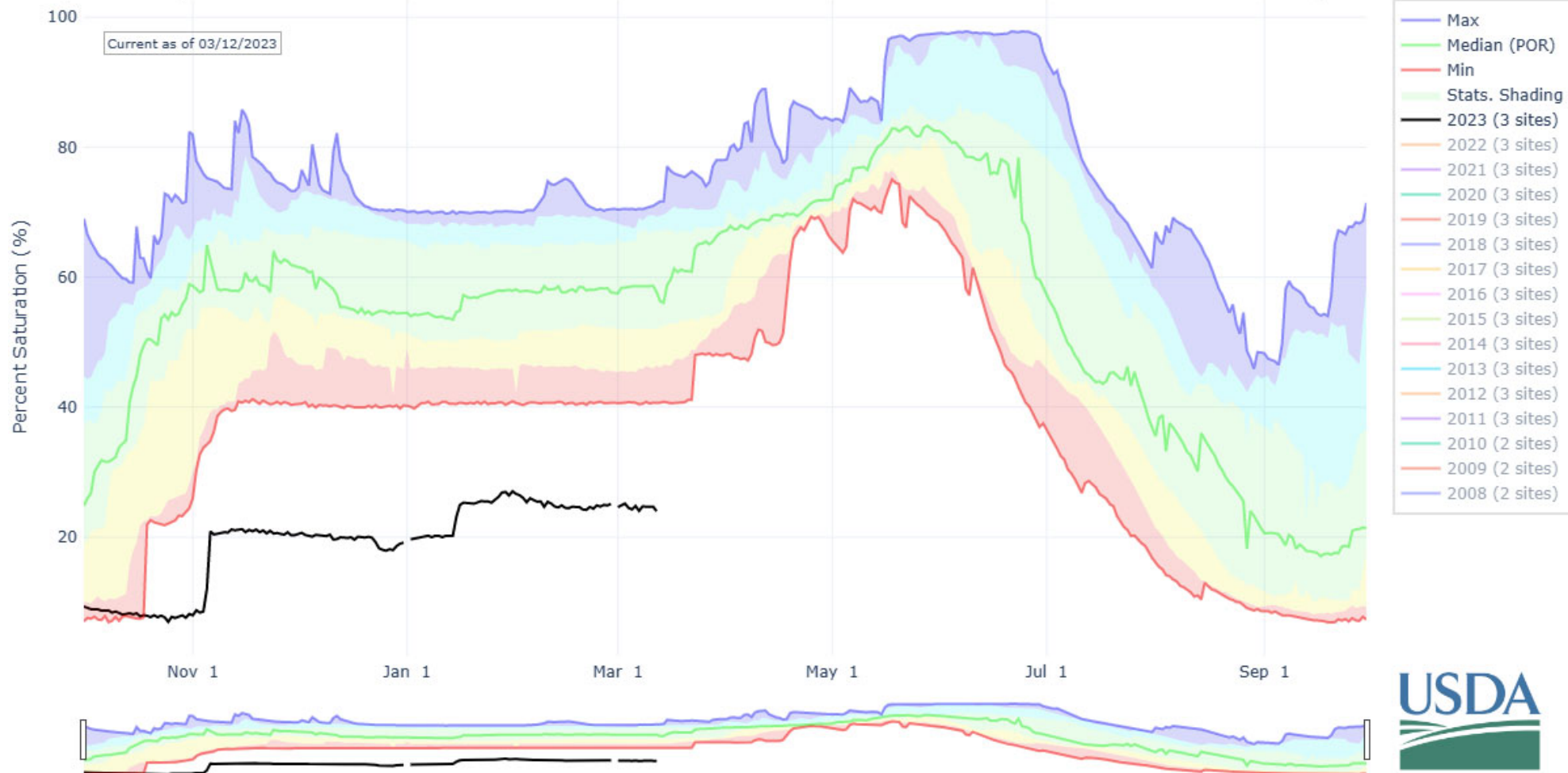


DEPTH AVERAGED SOIL SATURATION IN METHOW

Reset Range

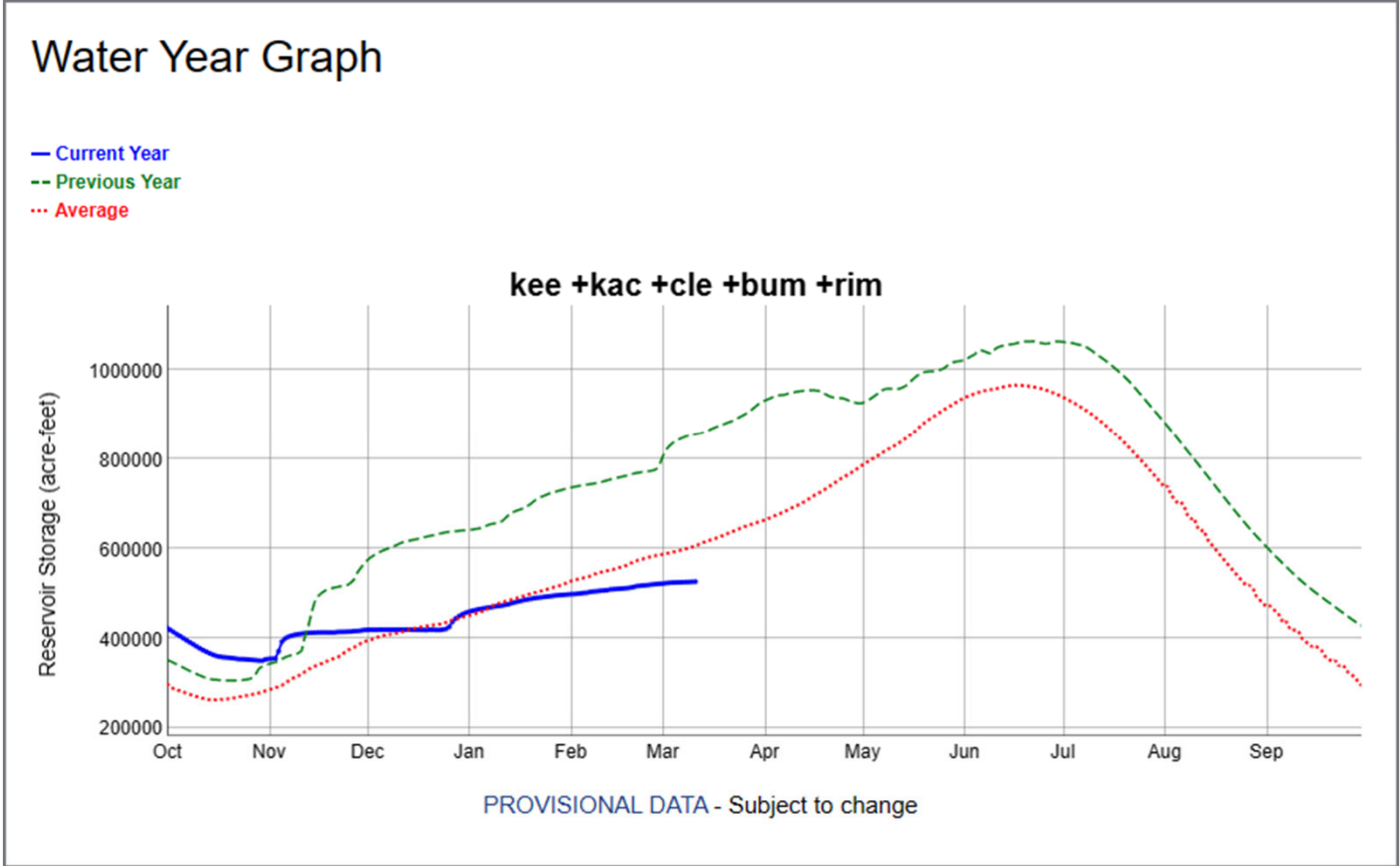
[Link to data: CSV / JSON](#)

Station List



Yakima water supply
forecast: junior
entitlements expected
to receive 86 percent of
full water supply

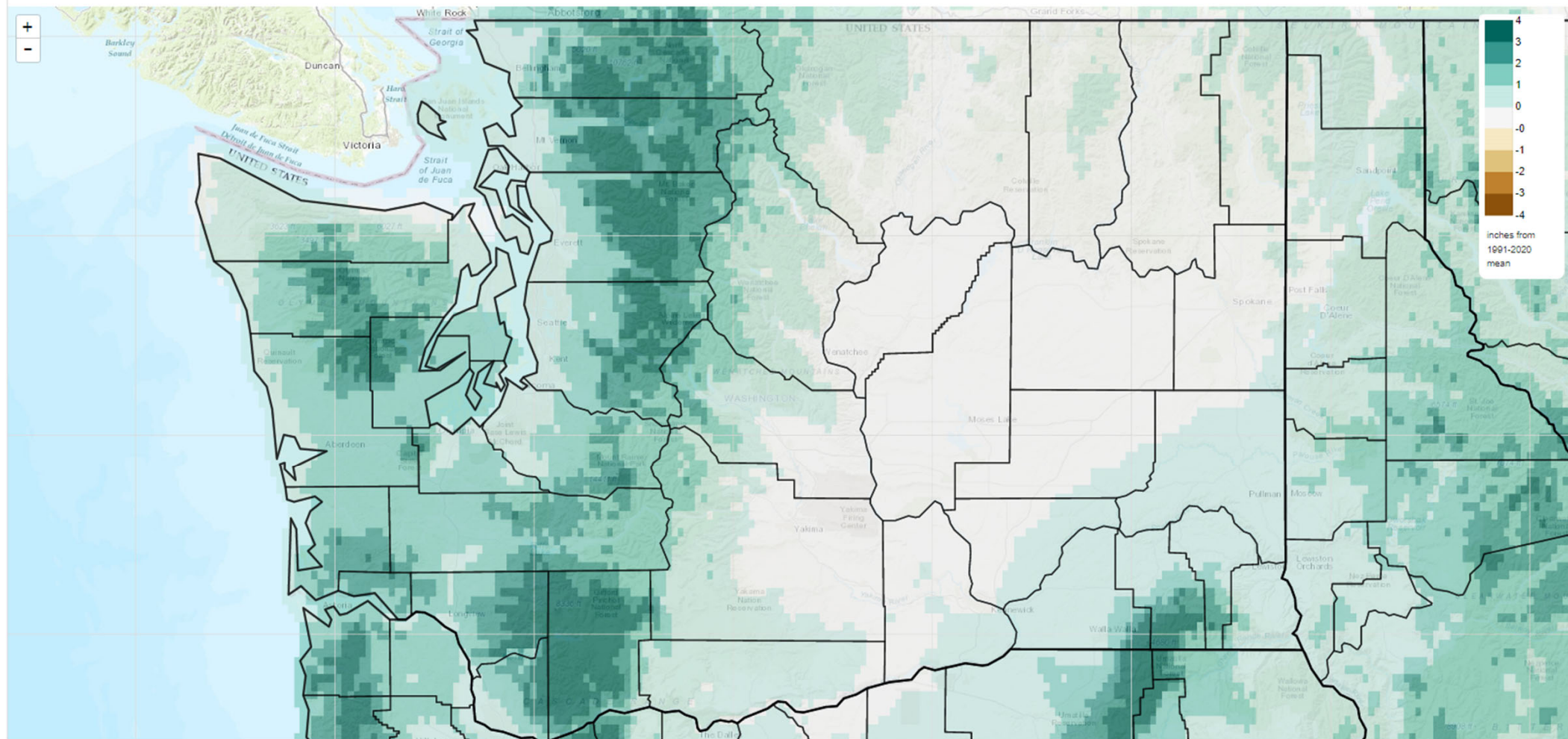
Nov 7: Storage was 120
percent of average
March 1: 82 percent of
average



Precipitation Anomaly, Week 1-3, Next 1-21 Days

2023/03/13 - 2023/04/02

Multi-ensemble median from 48 downscaled CFSv2 ensemble forecasts - forecast made 12Z-10-Mar-2023 to 6Z-13-Mar-2023



Summary

- The state has been drier than normal since the start of the water year.
- Cool weather has helped to build snowpack, but some areas are slightly low and will likely finish the year below normal.
- The Methow Basin stands out as an area of concern, based upon soil moisture and forecasted runoff.
- Near term weather holds out promise for positive precipitation anomalies.
- Lack of a surplus snow cushion means little room for complacency.



Thank you

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