

February 21, 2024

Urban & Small Farms Conference

# Utah Water Status & Outlook

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Laura Haskell | DWRe Drought Coordinator  
Division of Water Resources



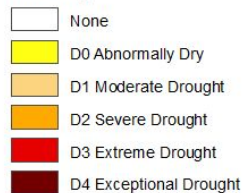
PLAN | CONSERVE | DEVELOP | PROTECT  
Utah's Water Resources

# U.S. Drought Monitor

## Utah

- < 4% of state in drought
- 32% abnormally dry
- year ago 96% in drought

**Intensity:**



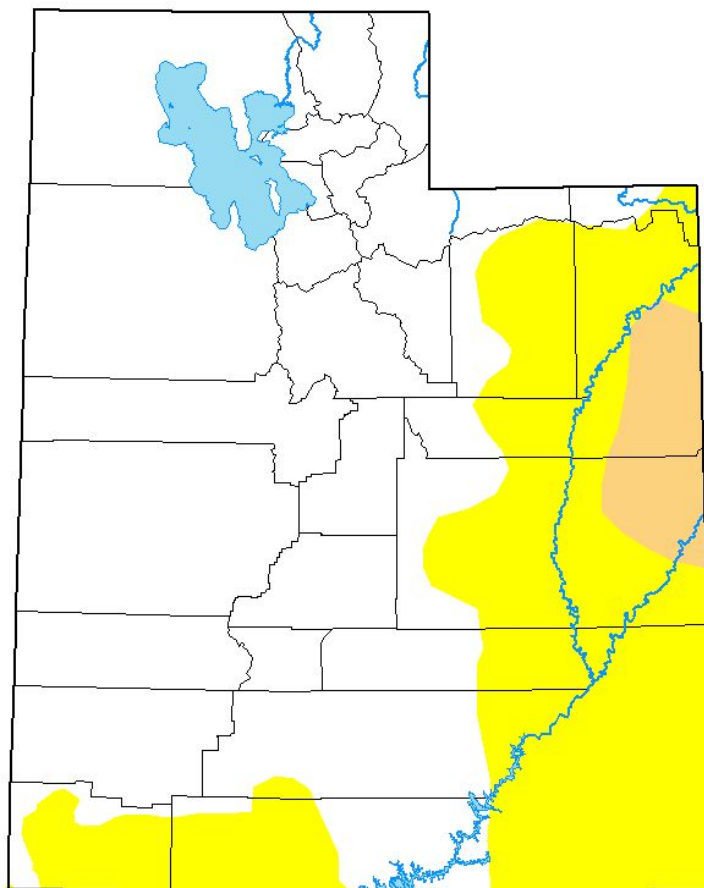
*The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>*

**Author:**

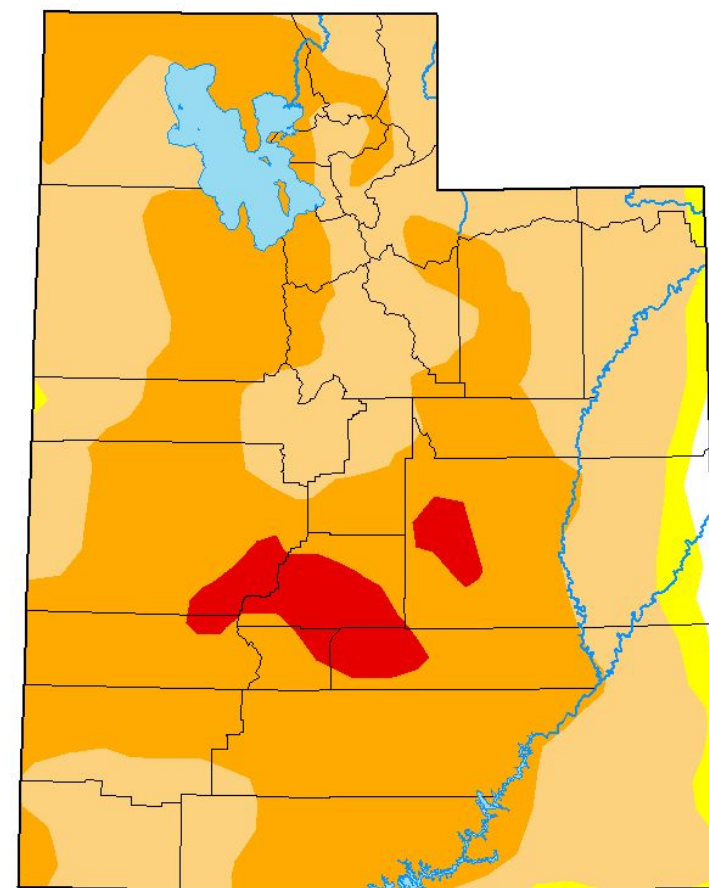
Deborah Bathke  
National Drought Mitigation Center



[droughtmonitor.unl.edu](https://droughtmonitor.unl.edu)

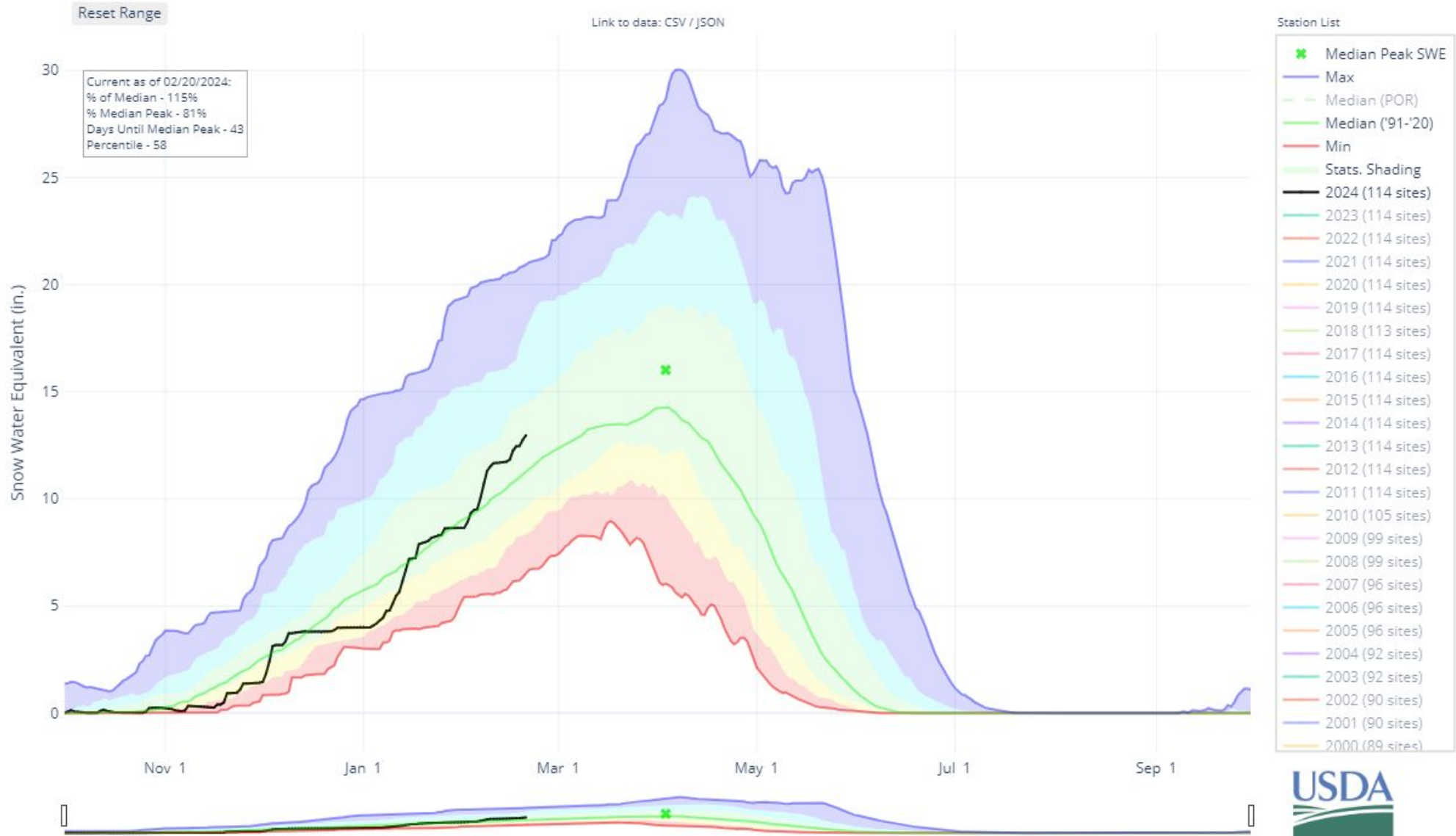


February 15, 2024



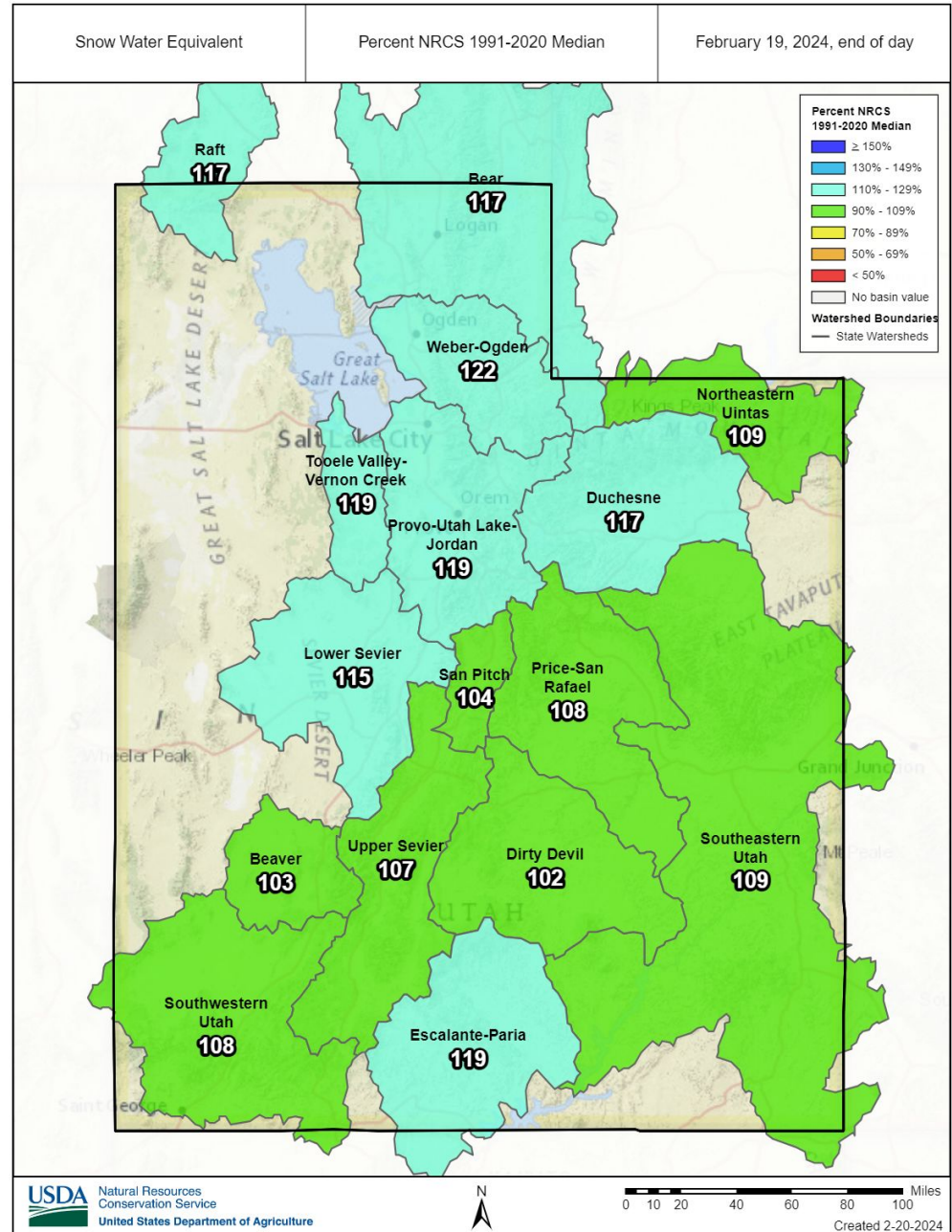
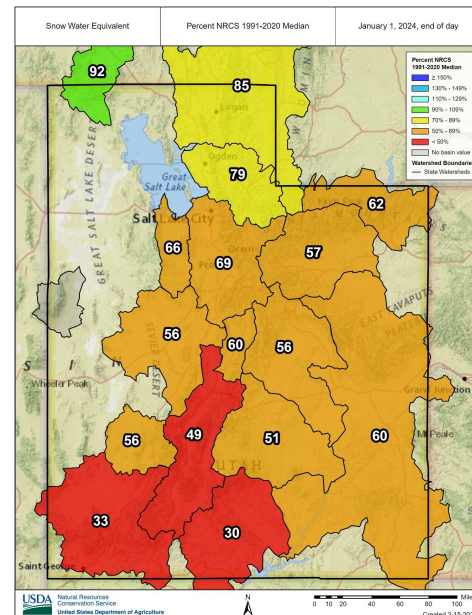
February 16, 2023

# Snow Water Equivalent



# Snow Water Equivalent

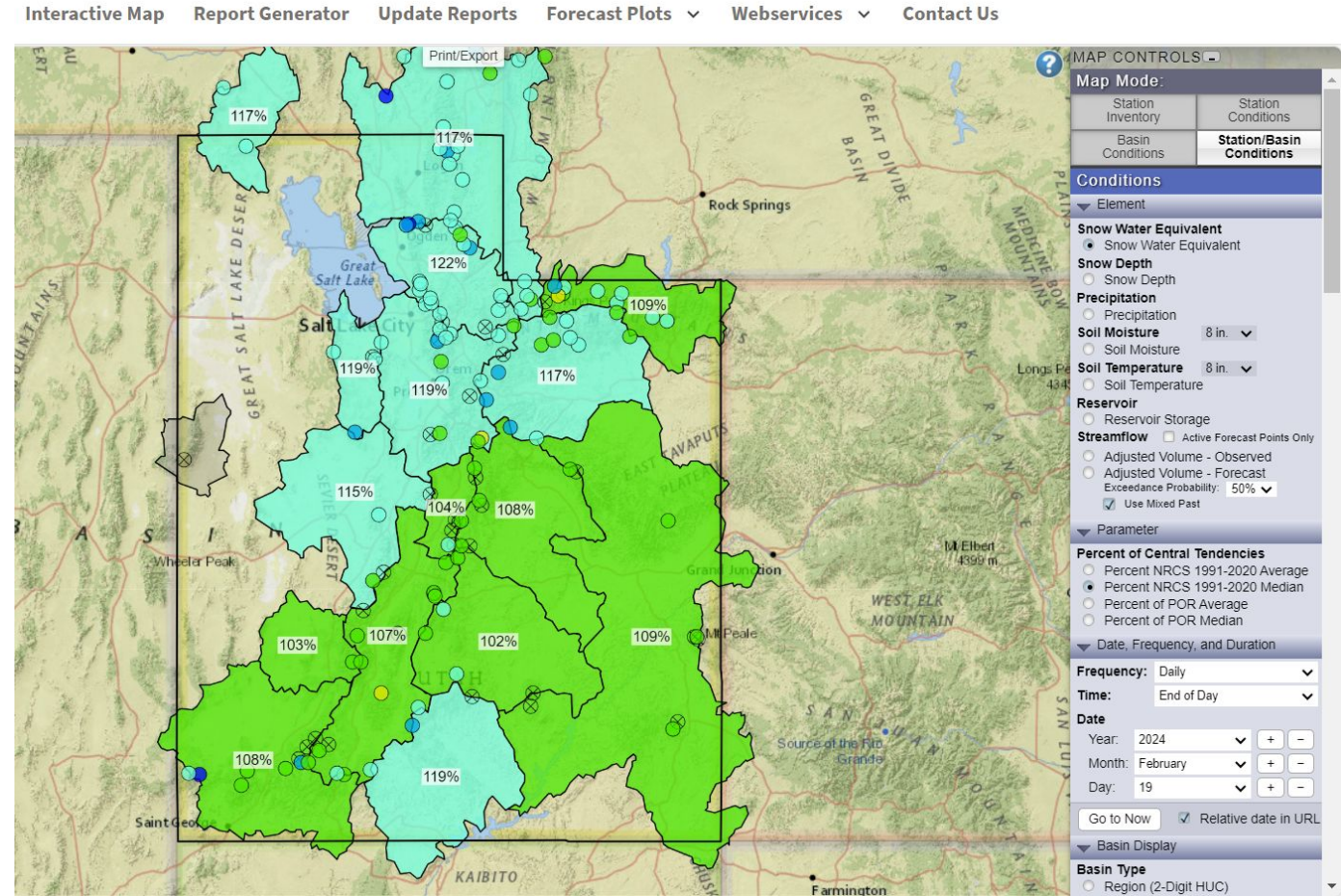
- All basins currently over 100%
- Big improvements since the first of the calendar year



# NRCS

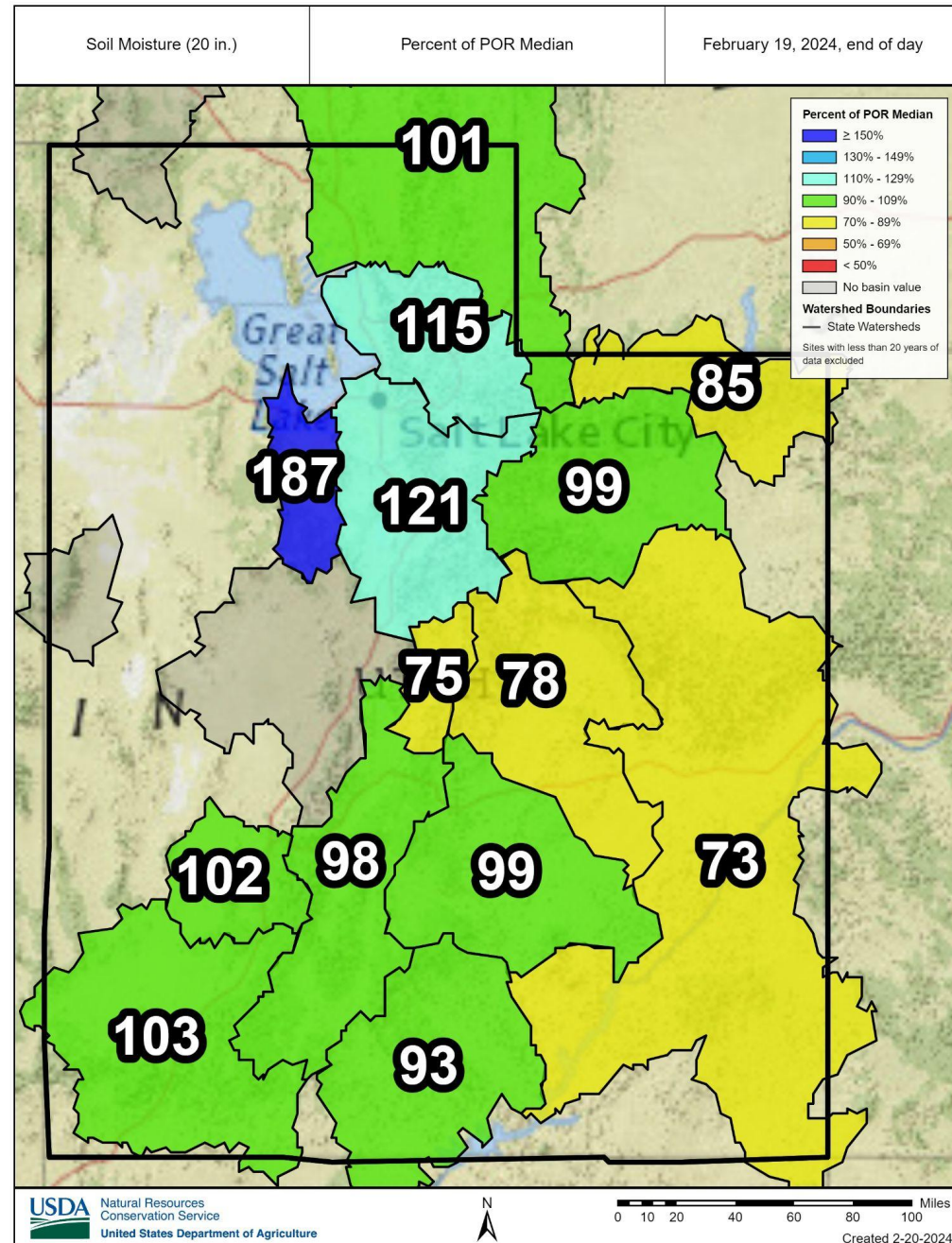
## Interactive Map

- SWE, precipitation, soil moisture, streamflow
- Can be viewed by subbasin or station
- Charts available with statistics



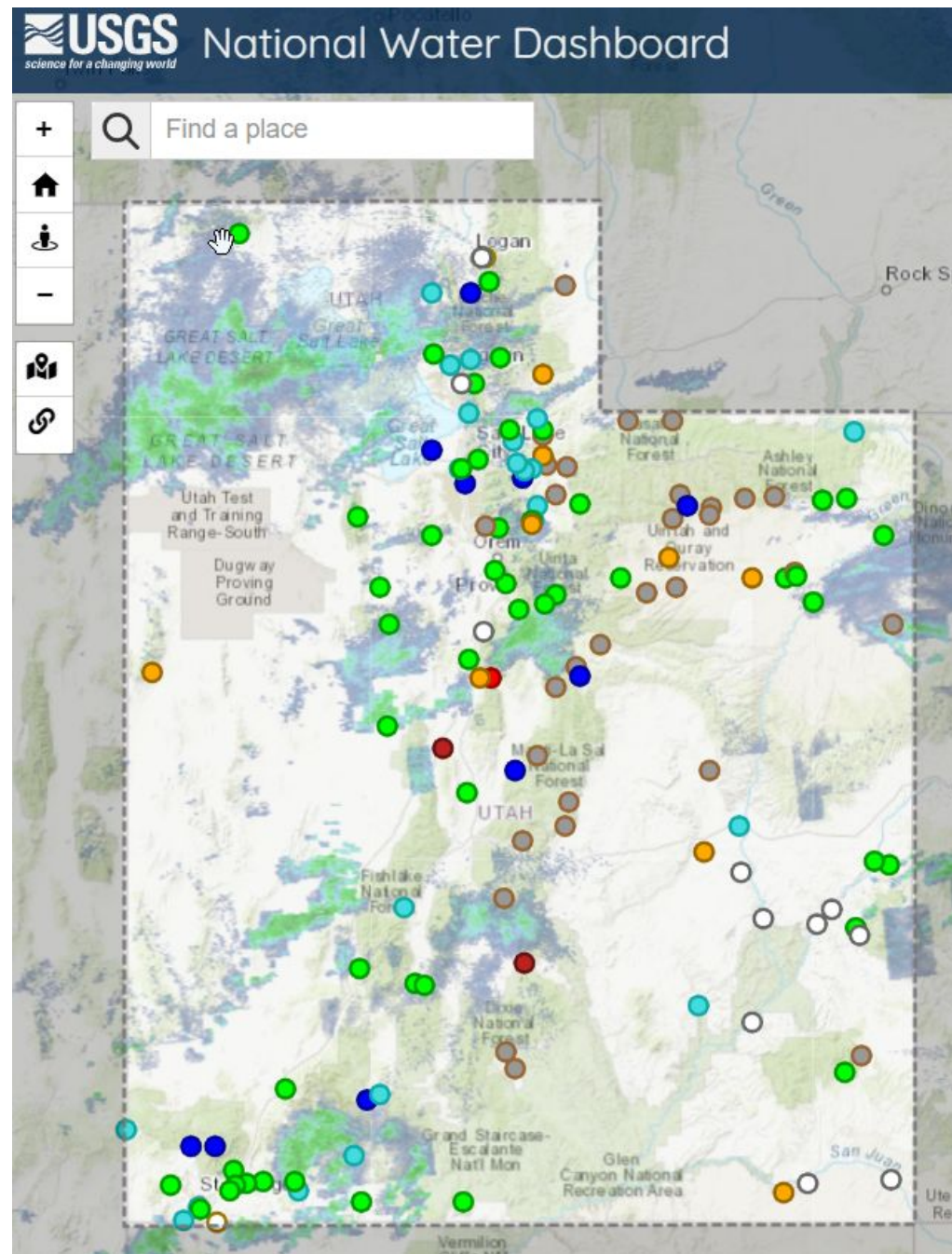
# Soil Moisture

- All basins at 73% or greater
- Favorable condition for spring runoff
- Can show locations of readings



# Streamflow

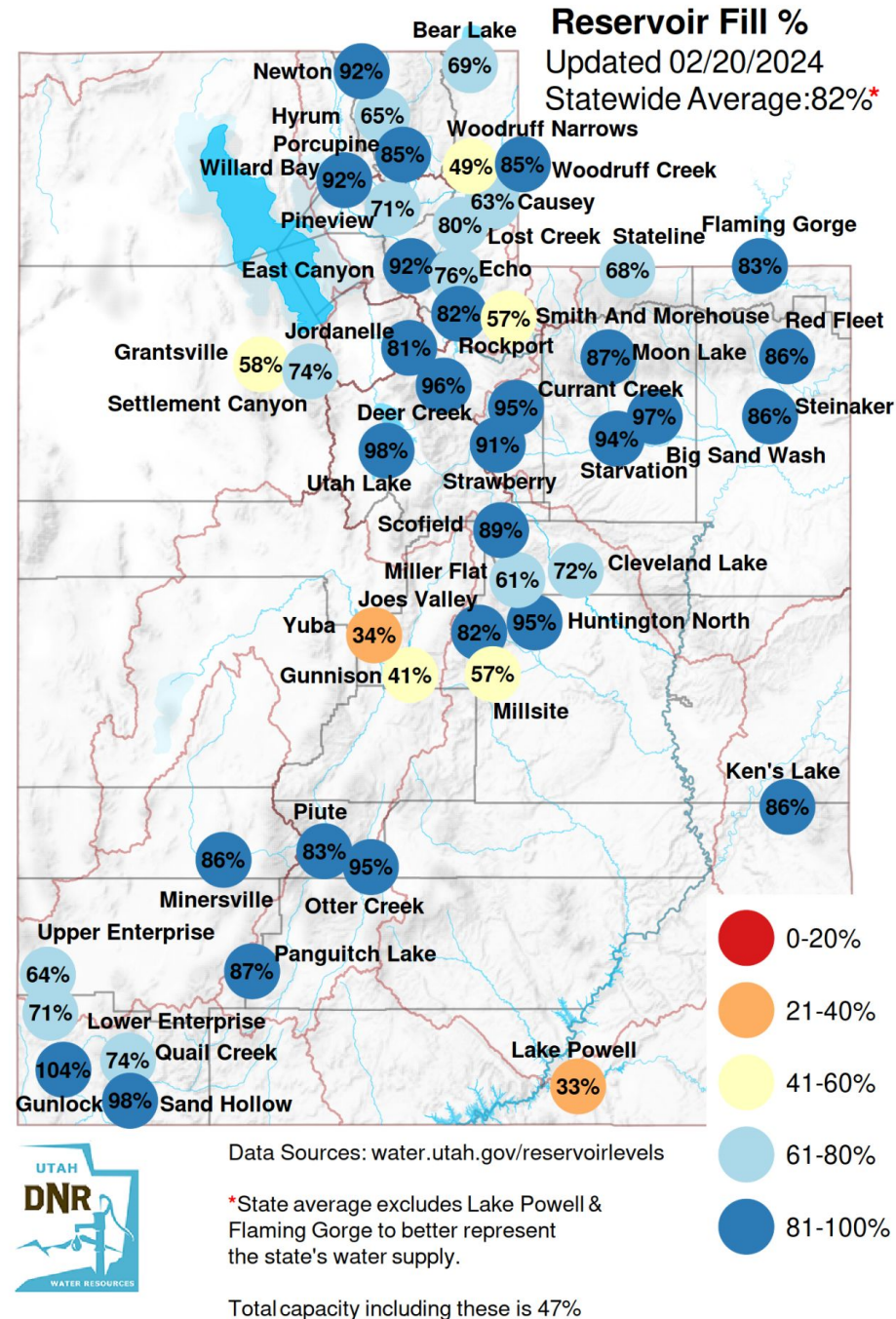
- Shows real-time data
- Gray color indicates no current data
- Colors indicate flow level
- Detailed information available





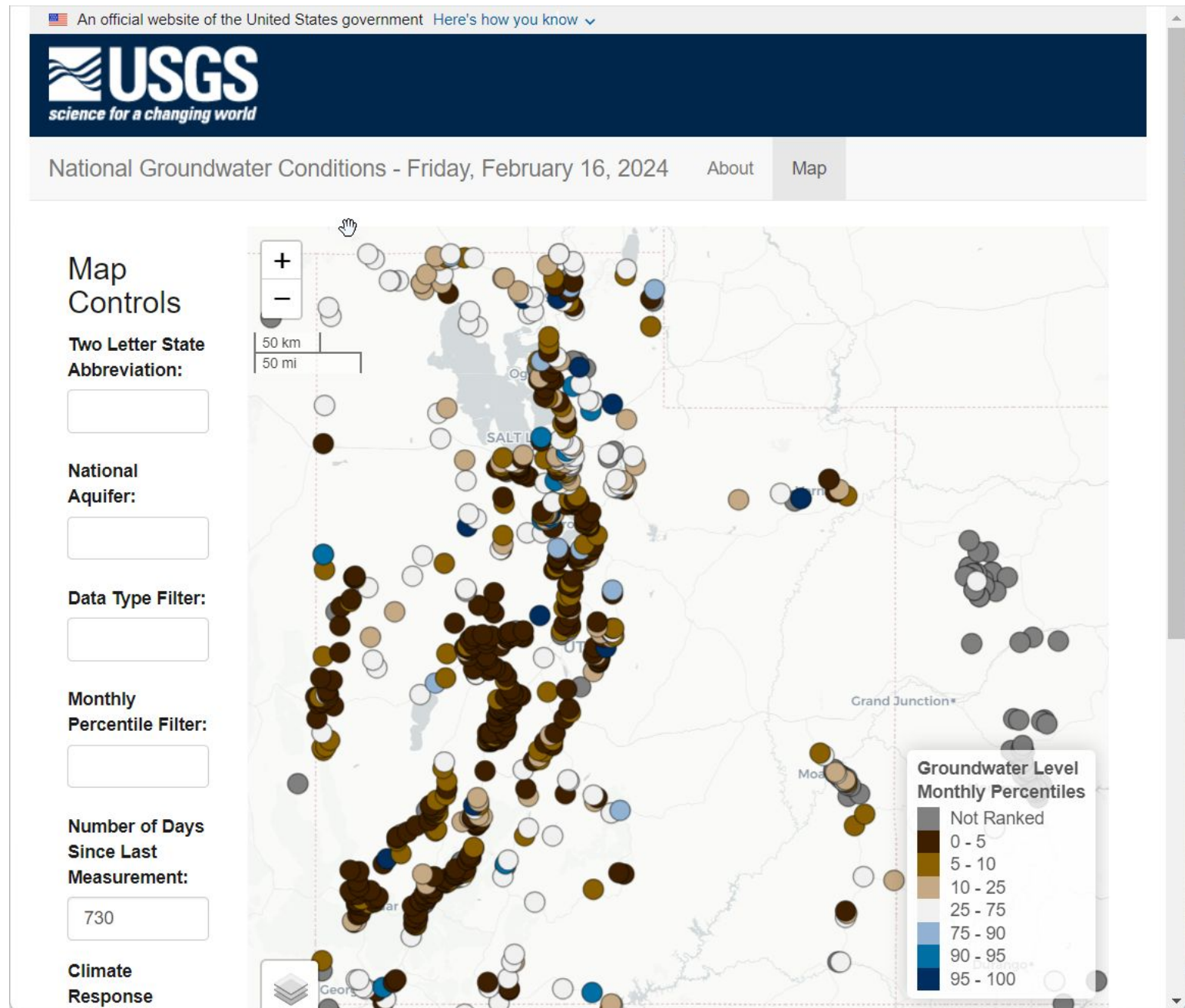
# Reservoir Levels

- State average 82% currently
- State average 59% typically this time of year
- 6 reservoirs below 60% full
- Yuba had spillway work last year



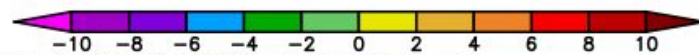
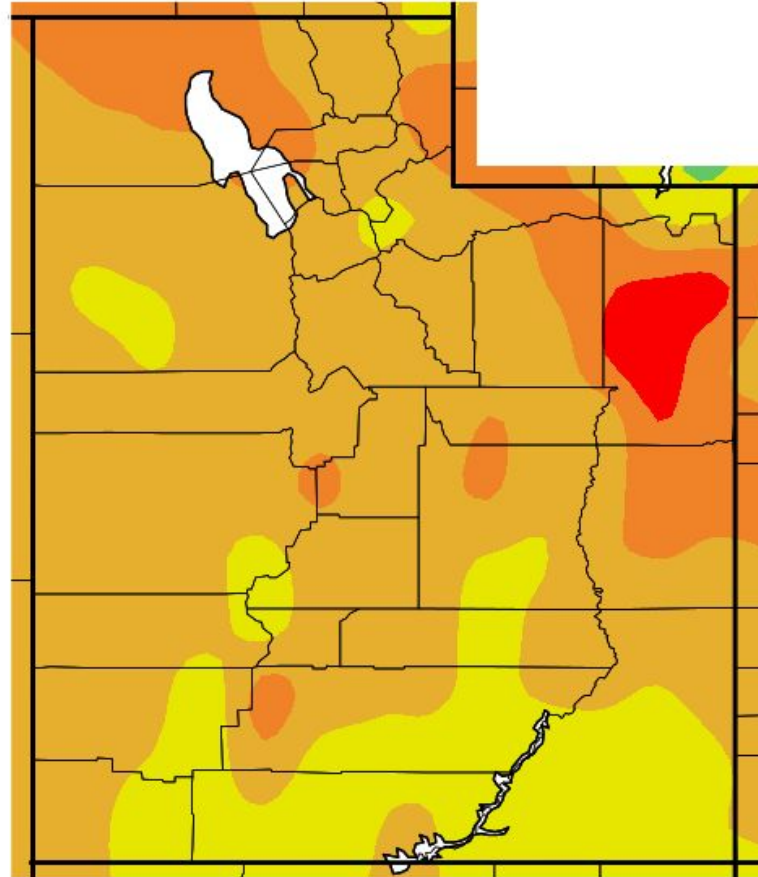
# Groundwater

- Shows real-time data
- Gray color indicates no current data
- Colors indicate flow level
- Detailed information available



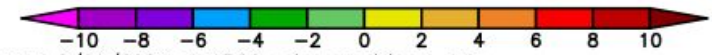
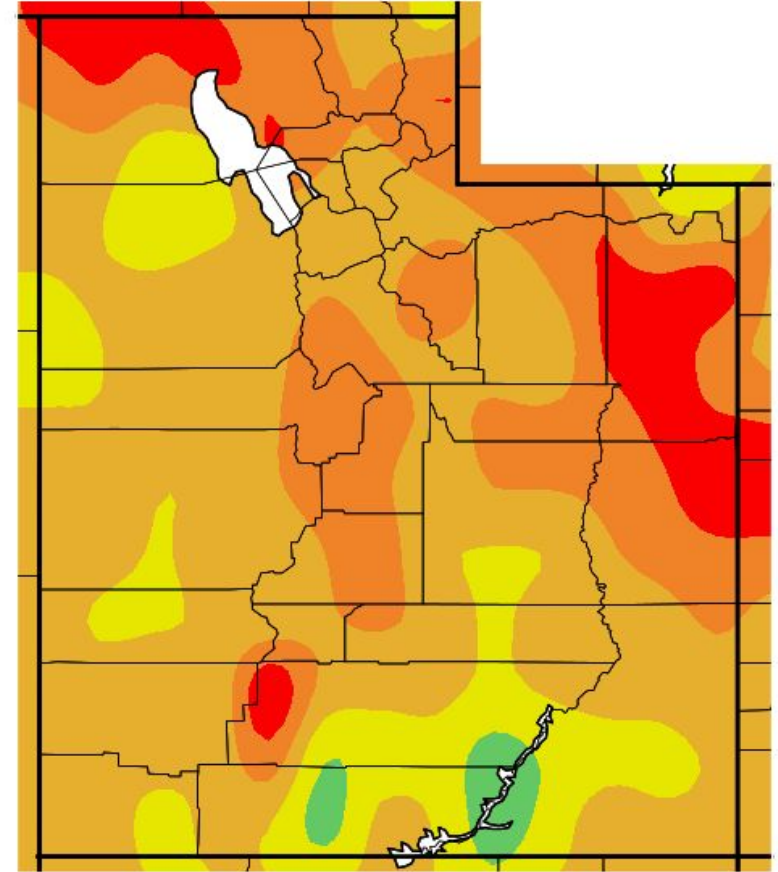
# Temperature

Ave. Temperature dep from Ave (deg F)  
11/22/2023 – 2/19/2024



Generated 2/20/2024 at WRCC using provisional data.  
NOAA Regional Climate Centers

Av. Min. Temperature dep from Ave (deg. F)  
11/22/2023 – 2/19/2024

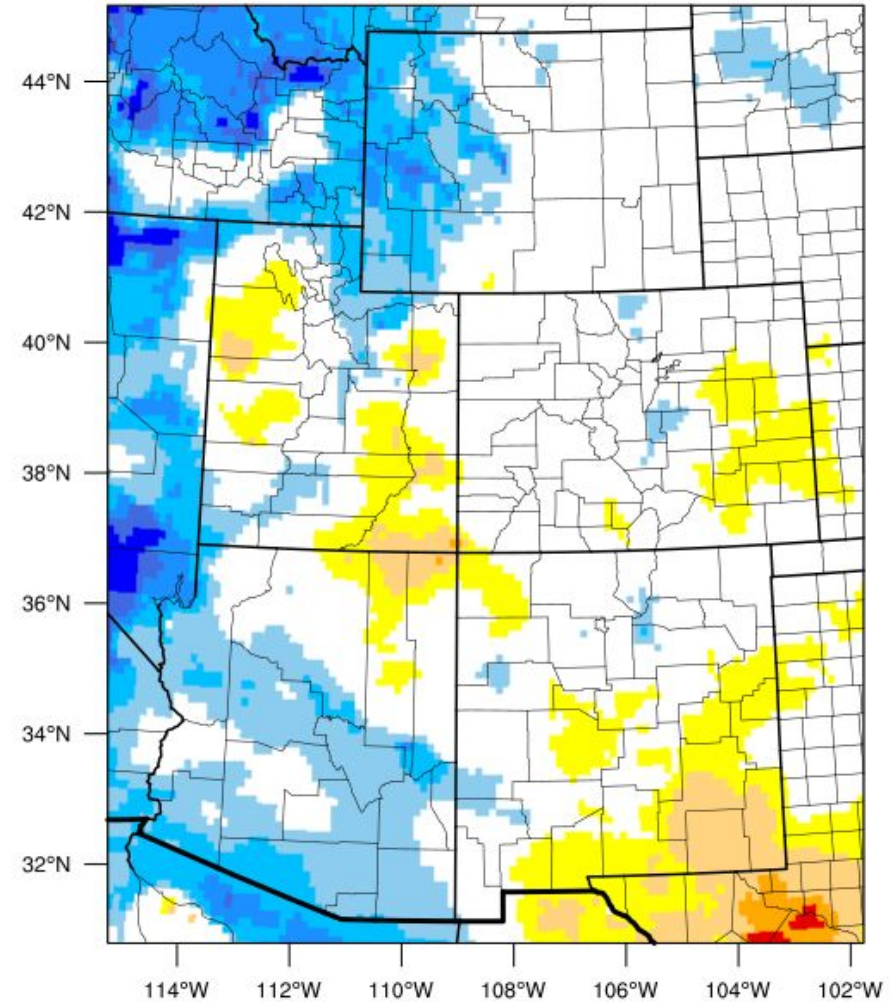


Generated 2/20/2024 at WRCC using provisional data.  
NOAA Regional Climate Centers

# Evaporative Demand

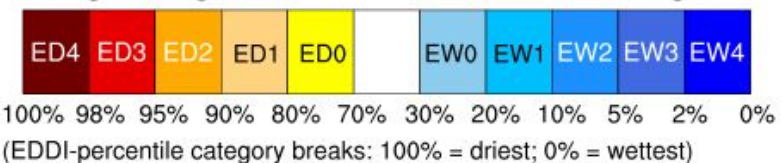
- EDDI map (Evaporative Demand Drought Index)
- Available in various time scales
- Updated daily
- Early warning guidance tool

2-week EDDI categories for February 15, 2024



Drought categories

Wetness categories



Generated by NOAA/ESRL/Physical Sciences Laboratory

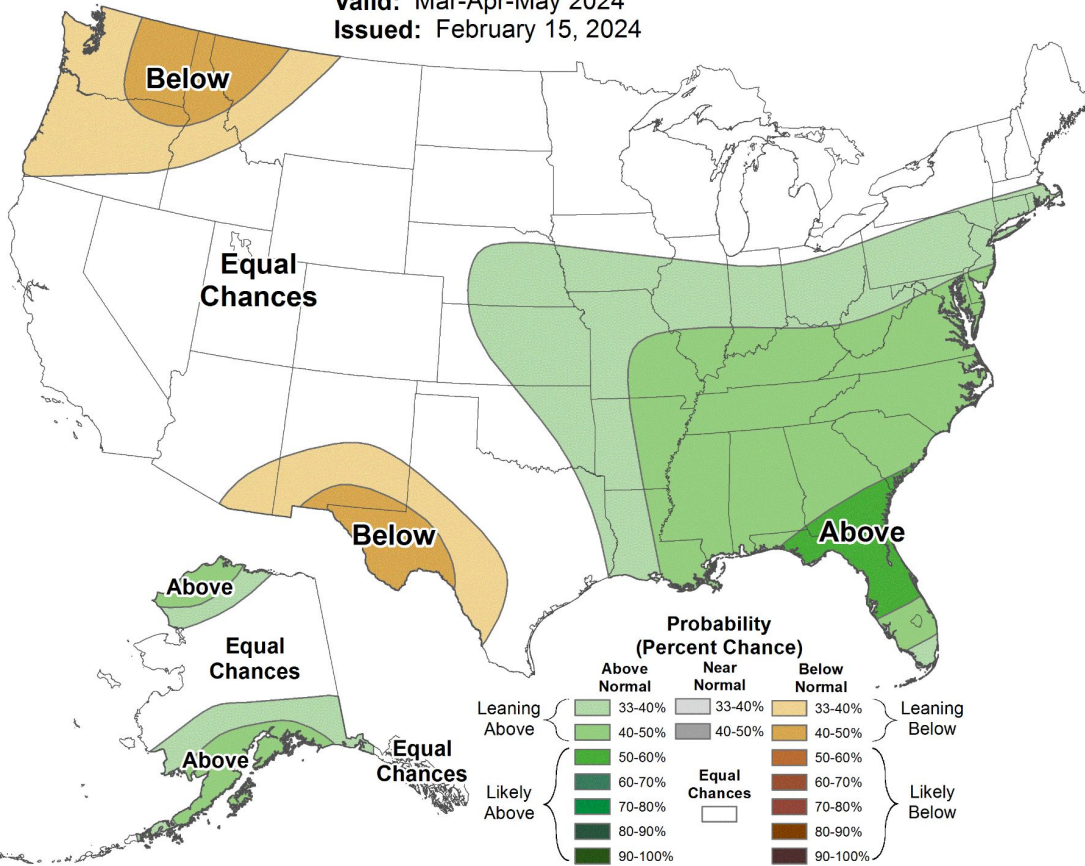




# Seasonal Precipitation Outlook



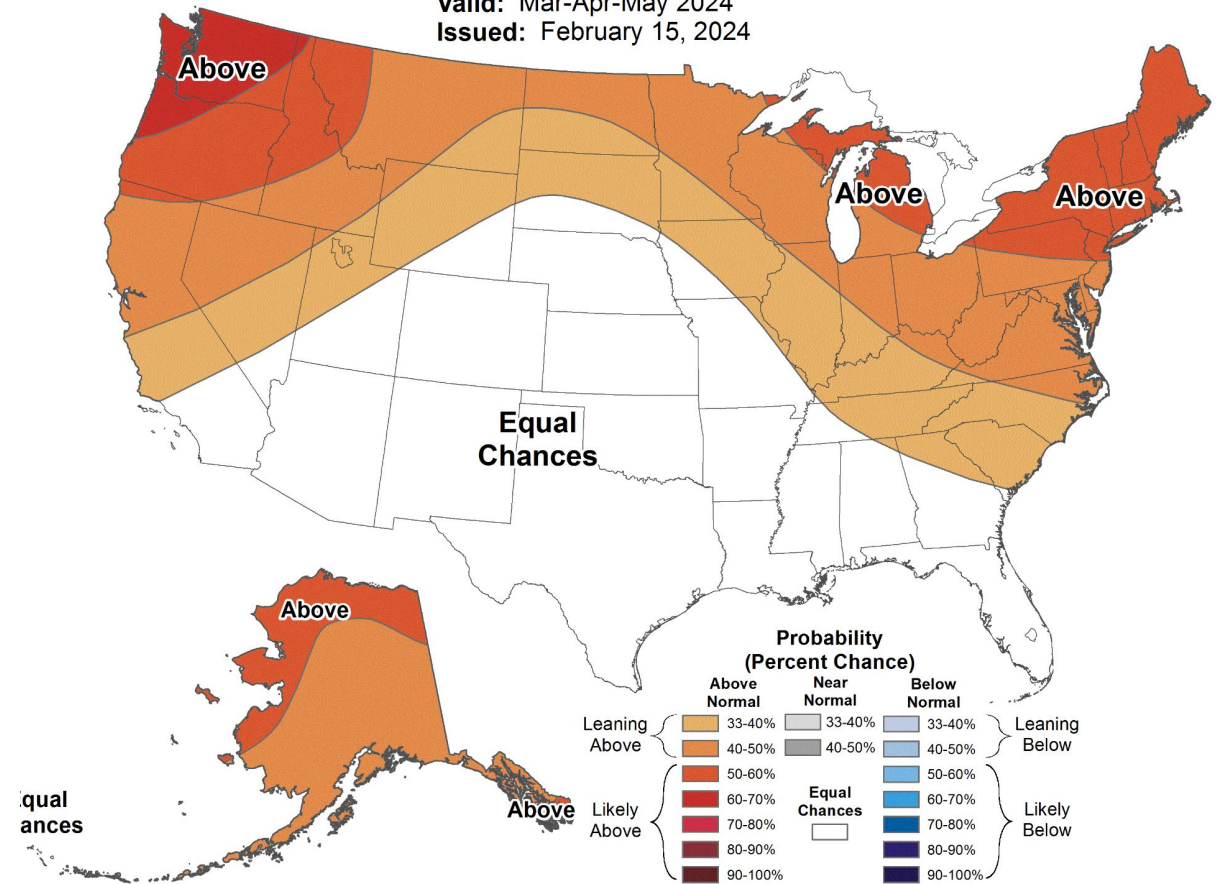
Valid: Mar-Apr-May 2024  
Issued: February 15, 2024



# Seasonal Temperature Outlook



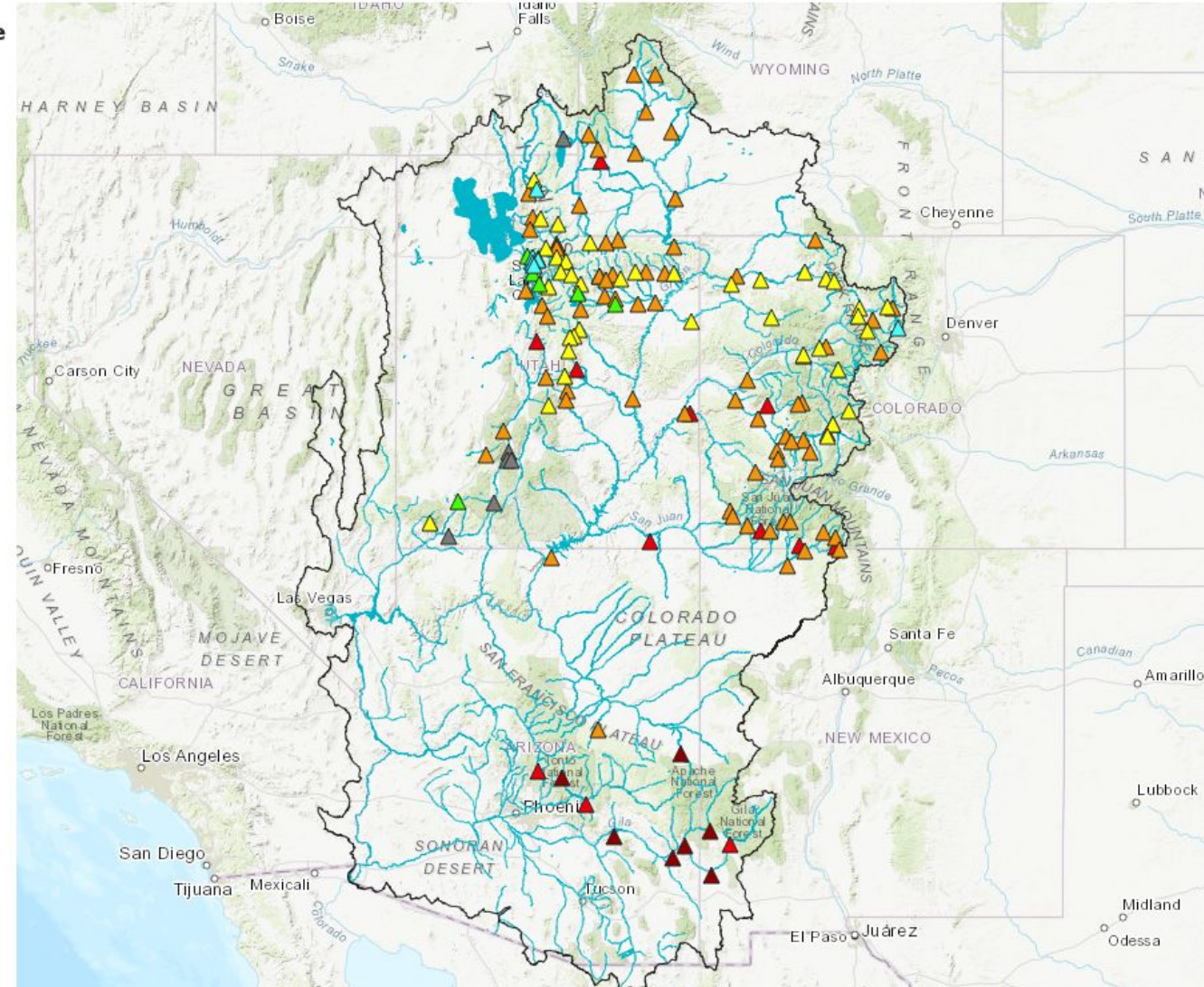
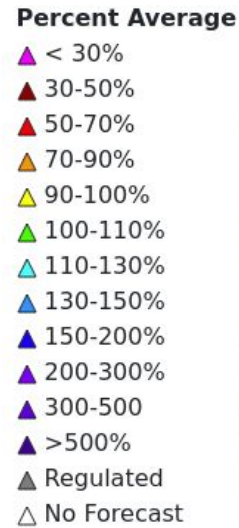
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# Colorado River Basin Forecast

- Forecasts start the first of January
- Specific points on most rivers
- Accuracy improves closer to runoff

CBRFC Water Supply Forecasts 02/15/2024



# Water Conditions Update (Drought Webinars)

- Regularly held webinars
- Water data shared
- Opportunity to ask questions
- Opportunity to submit observations
- US Drought Monitor Map recommendation



# CoCoRaHS

Collaborative Community Rain Hail and Snow Network. CoCoRaHS is a network of volunteers of all ages and backgrounds working together to measure and map precipitation (rain, hail and snow)

Contact: [www.cocorahs.org](http://www.cocorahs.org) or  
Jon.Meyer@USU.EDU





# THANK YOU

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