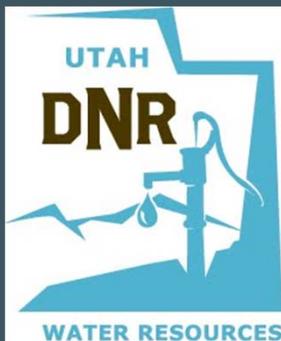


# Water Resources Legislative Budget Report

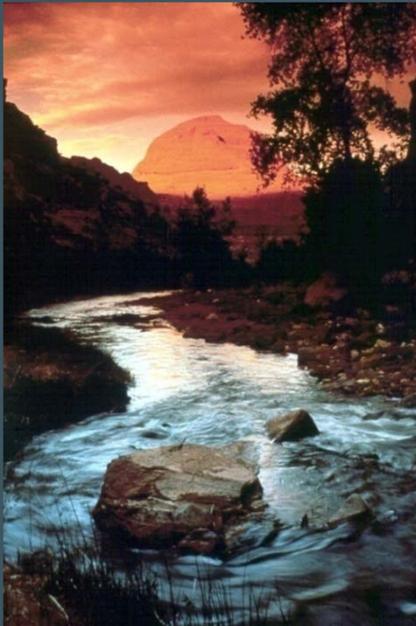
Natural Resources, Agriculture & Environmental  
Quality Appropriations Subcommittee



*February 11, 2019*  
*Eric L. Millis, PE*  
*Director, Utah Division of Water Resources*

# Utah Division of Water Resources

Mission: Plan, Conserve, Develop and Protect  
Utah's Water Resources



# Main Functions

- Board of Water Resources' Project Funding
  - Water Supply and Development Projects
  - Dam Safety
- State Water Planning
  - Water Supply and Use Data
  - Water Conservation and Education
  - State Water Plan Documents
- Interstate Streams
  - Colorado River
  - Bear River

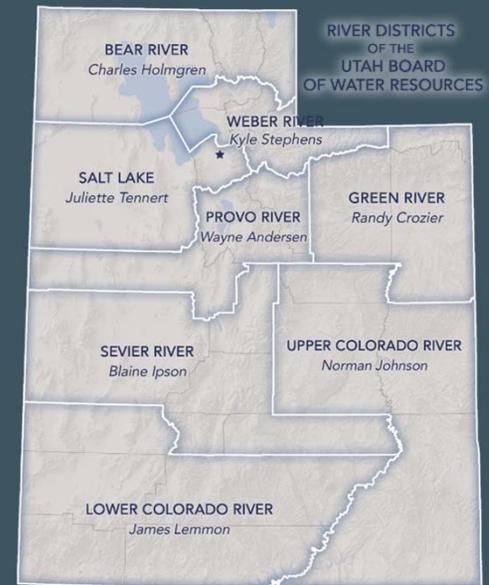
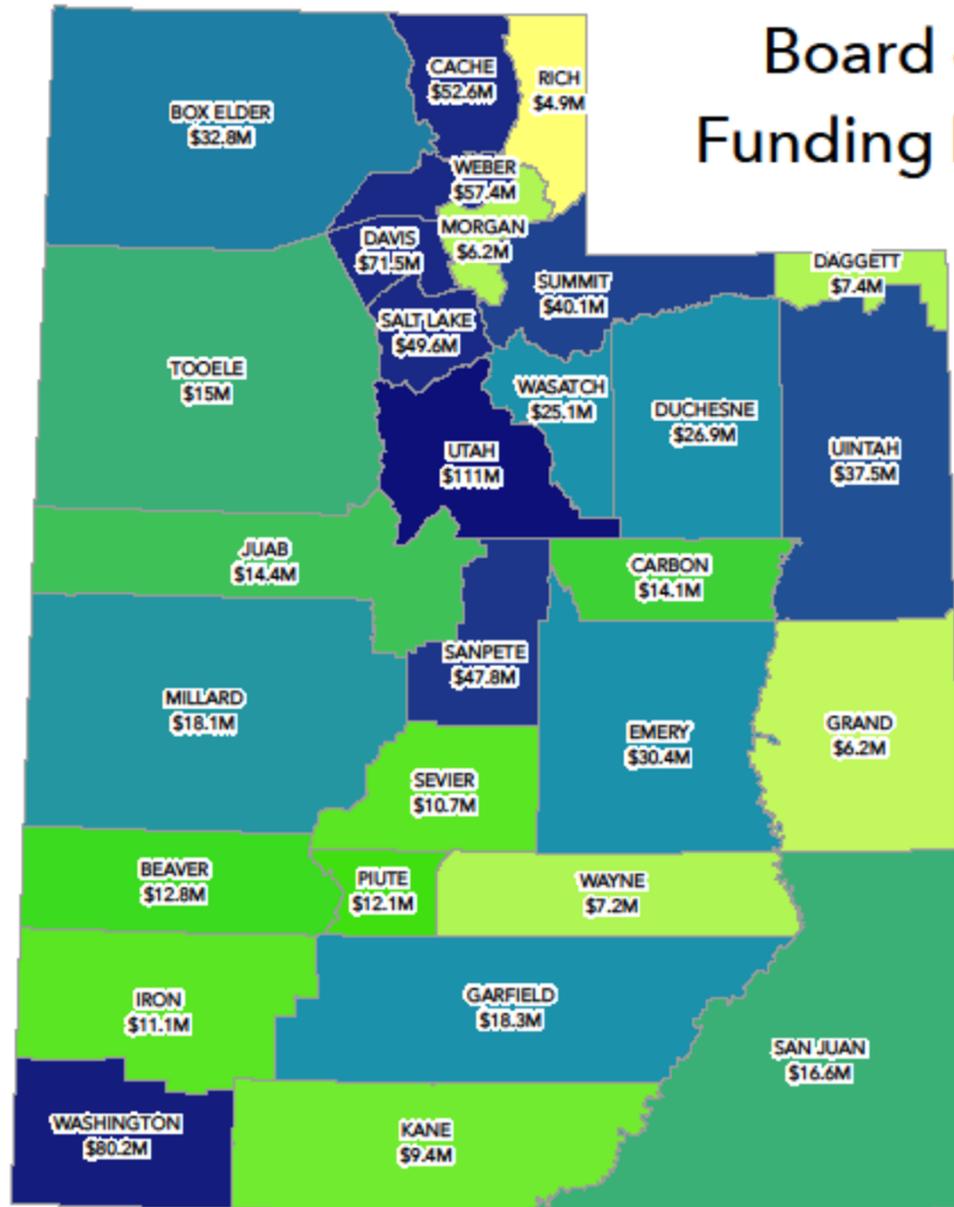


Photo Credit: John Zaker / USFWS

# Board of Water Resources Funding by County 1947-2018



# Dam Safety Funds

- Annual dam safety funding \$3.8 M
- 51 dams upgraded or in design process
- 104 high hazard dams need to be upgraded
- 2015 & 2018 Legislature provided a total \$19.4 M in one-time funds to partner with NRCS dams



# Meeting Future Needs: Multi-faceted Solutions

Water Conservation | Water Use Conversions | Water Development



Photo Credit: [Basselman](#)

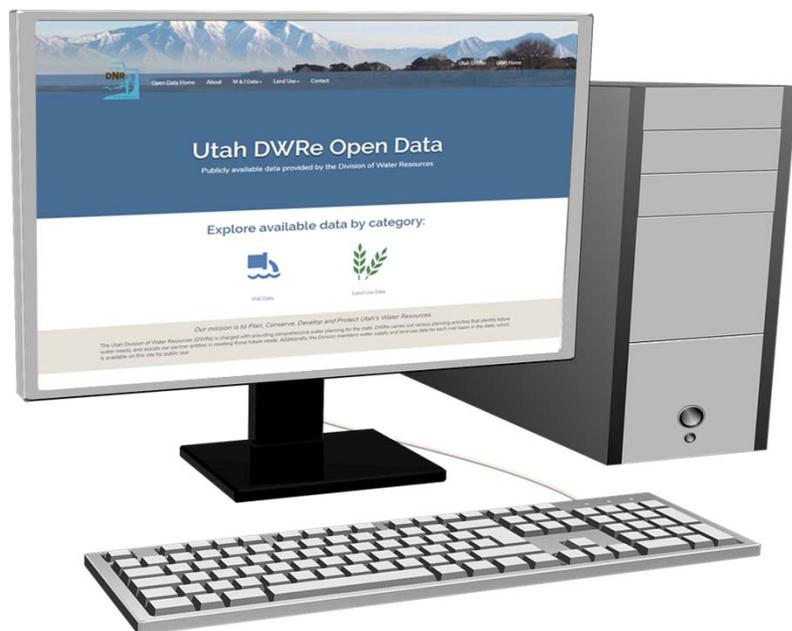
# Open Water Data Website

<http://dwre-utahdnr.opendata.arcgis.com/>

DWRe is providing public access to Utah's water use data through an interactive web service powered by ESRI

The Open Water Data Website features:

- **Interactive Web Mapping Applications**  
Visually explore the data and view summary statistics (by river basin, county, retail supplier, and more)
- **Downloadable Data** (shapefiles, spreadsheets)



## Current Offerings:



Water Related Land Use (WRLU) Data

- Historical Inventory Data
- 2017 Statewide WRLU Dataset



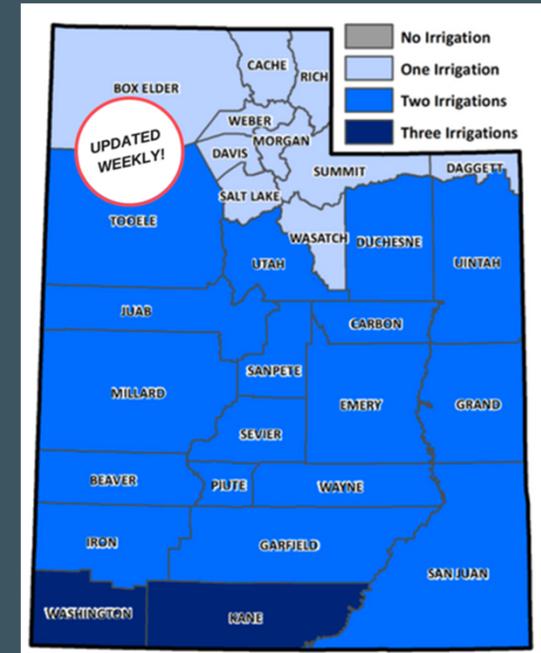
Municipal and Industrial Water Data

- 2015, 2016, 2017

## Future Offerings:

- Water Budget (coming soon)

# Water Conservation Tools & Resources



## REGIONAL WATER CONSERVATION GOALS

Weekly Lawn Watering Guide

Social Media



# Secondary Water Metering

Improved Data | Education | Reduce Use | Water Rates

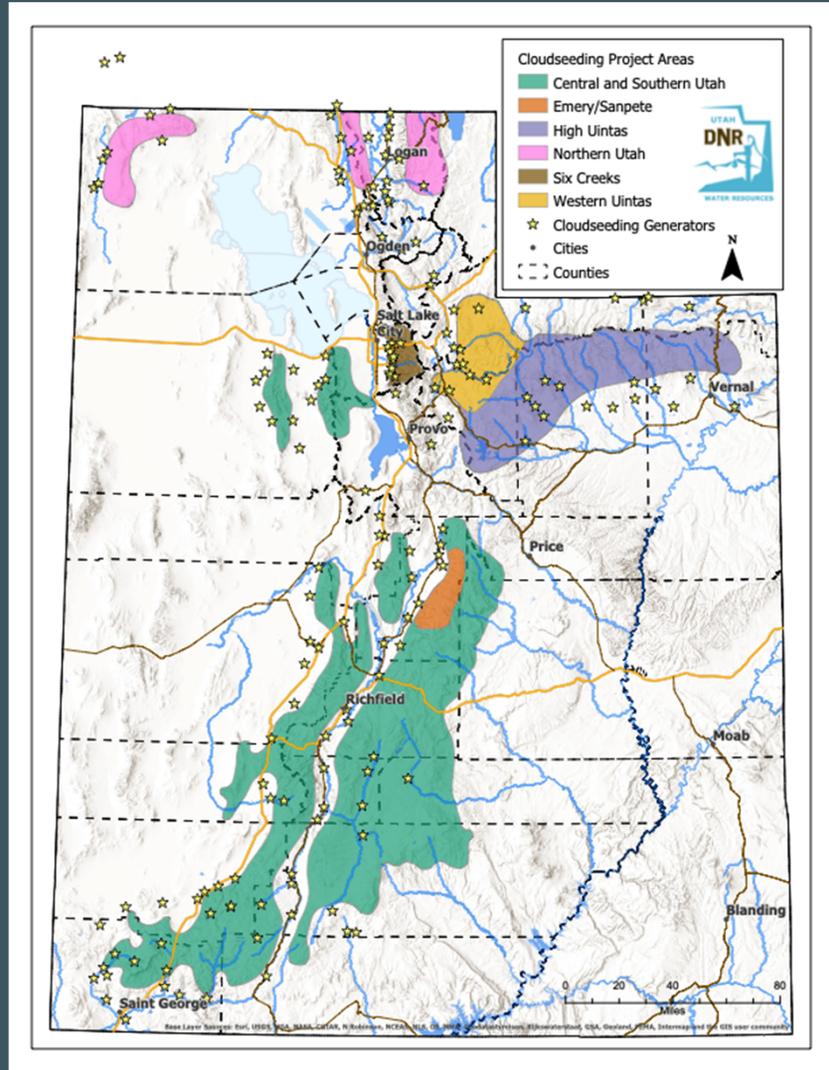
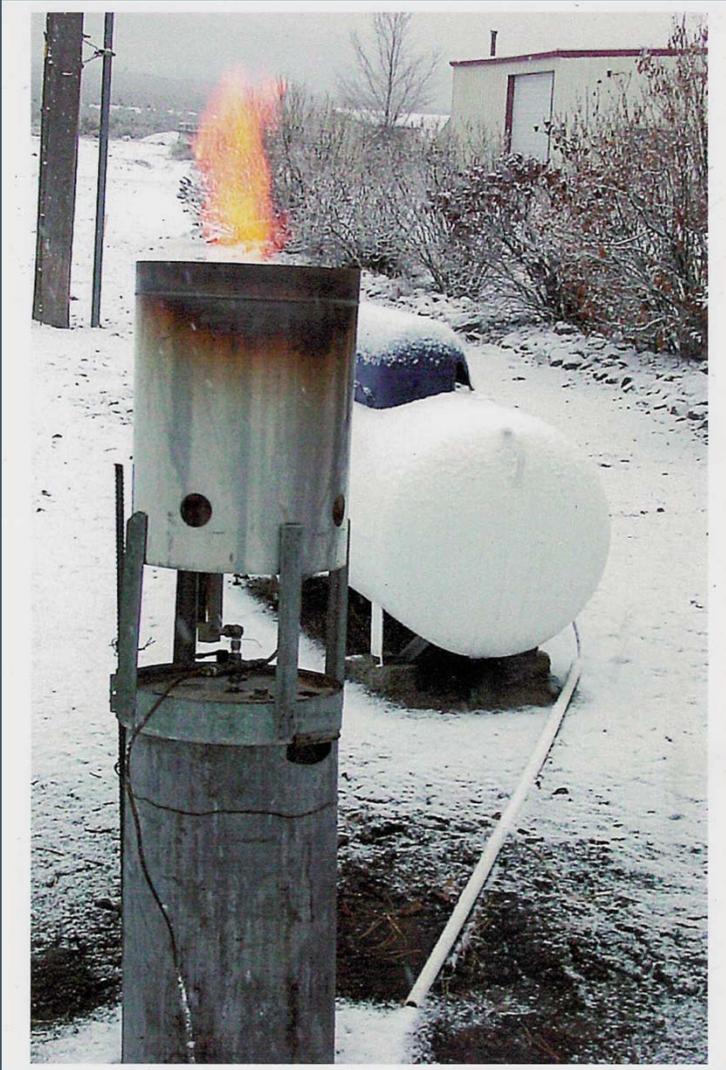
# Colorado River

Collaborating with the other 6 basin states on:

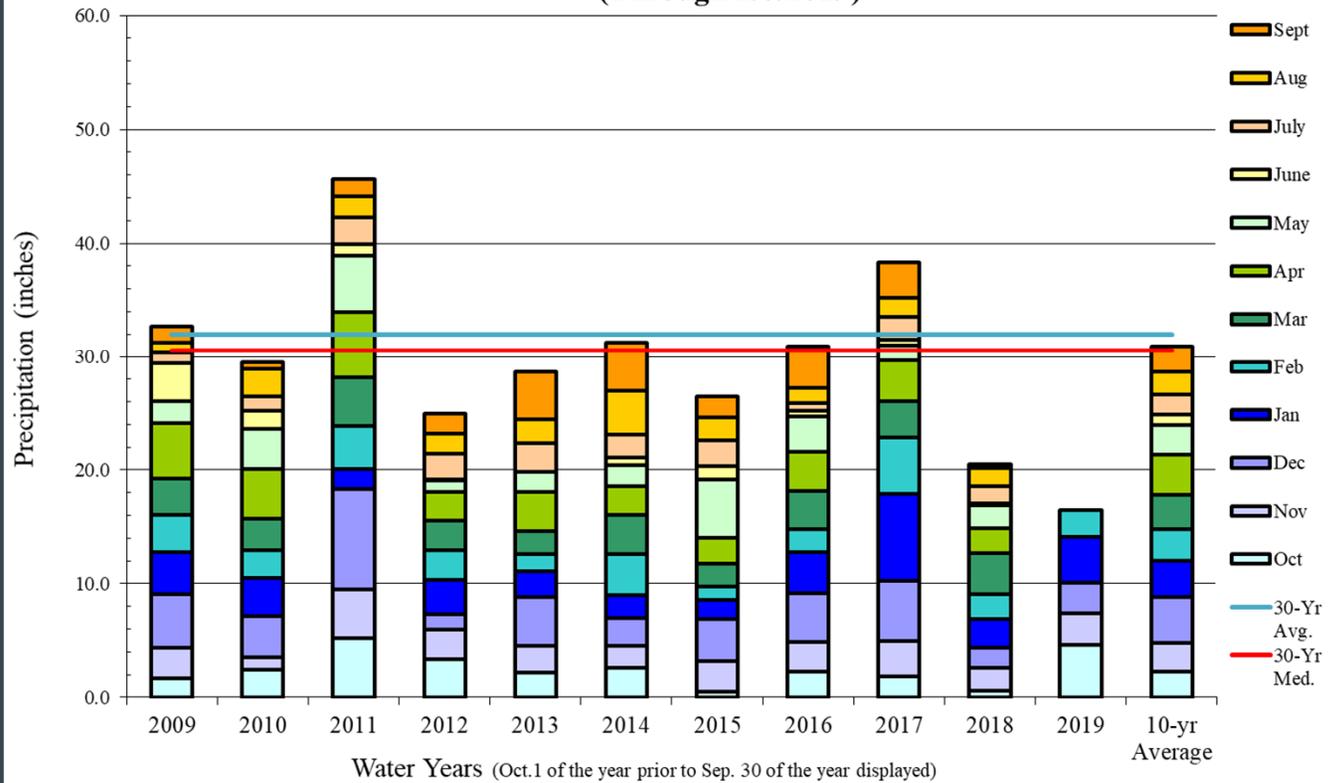
- Drought Contingency Planning
- Renegotiation of 2007 Guidelines



# Cloud Seeding



**Statewide Average  
Average Precipitation for 77 Mountain SNOTEL Sites  
(Through 2/7/2019)**

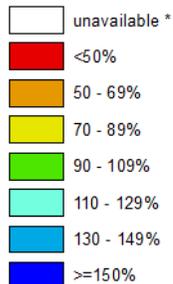


# Utah

## SNOTEL Current Snow Water Equivalent (SWE) % of Normal

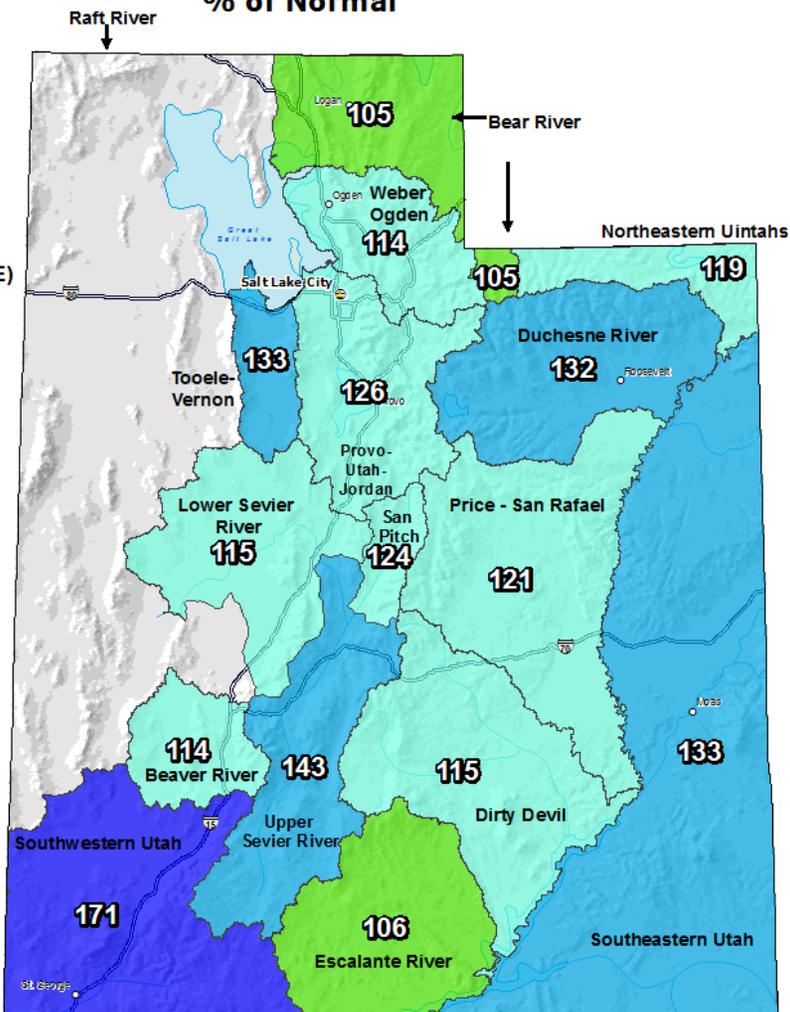
Feb 06, 2019

**Snow Water Equivalent (SWE)  
Basin-wide  
Percent of  
1981-2010  
Median**



\* Data unavailable at time of posting or measurement is not representative at this time of year

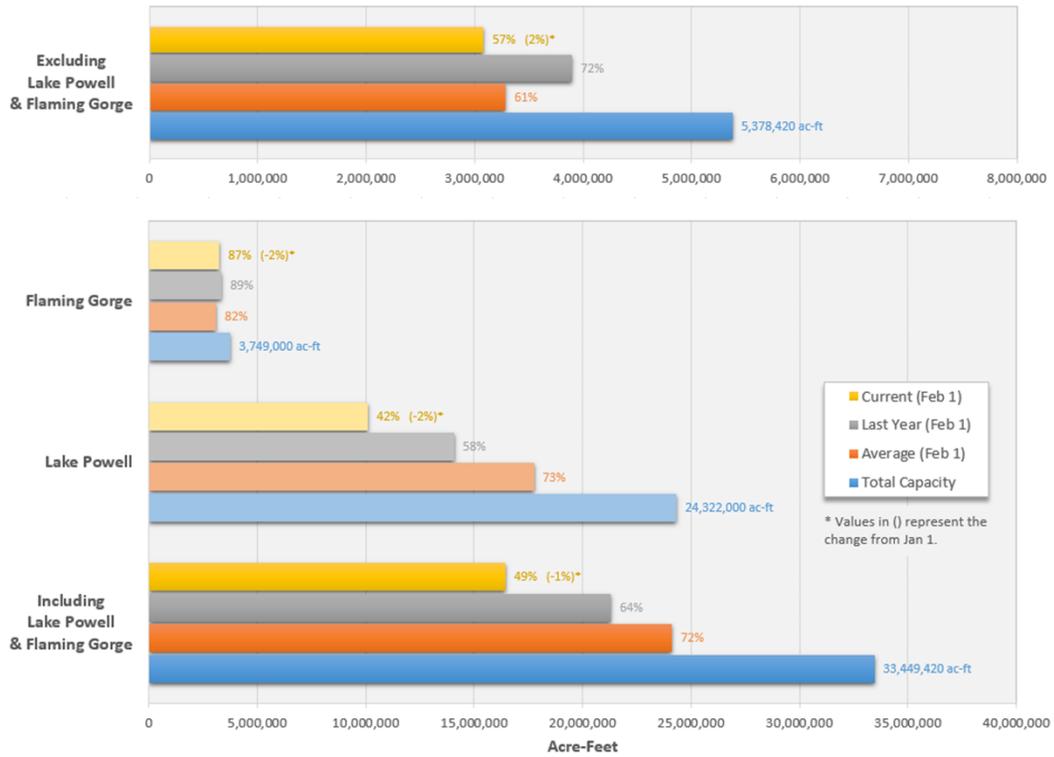
*Provisional Data  
Subject to Revision*



The snow water equivalent percent of normal represents the current snow water equivalent found at selected SNOTEL's sites in or near the basin compared to the average value for those sites on this day. Data based on the first reading of the day (typically 00:00).

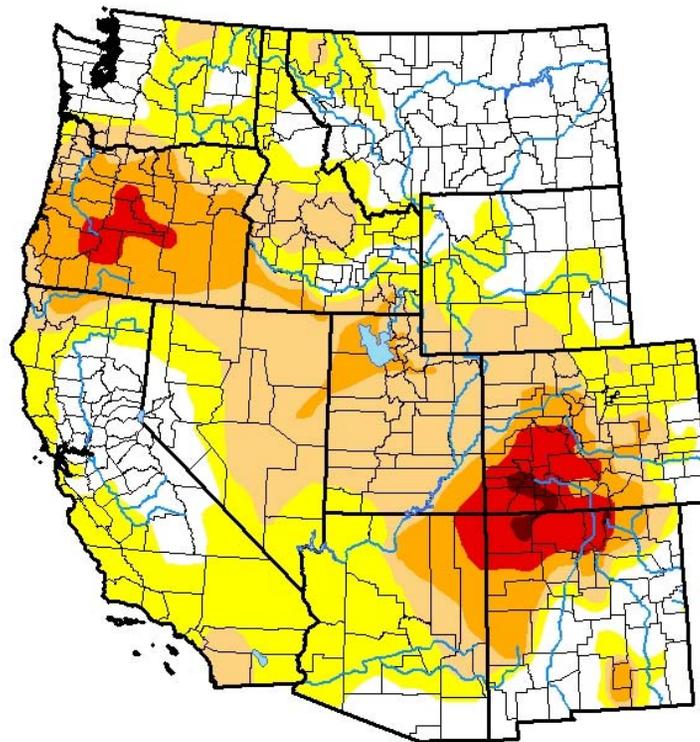
Prepared by:  
USDA/NRCS National Water and Climate Center  
Portland, Oregon  
<http://www.wcc.nrcs.usda.gov>

### Statewide Reservoir Storage (Feb 1)



# U.S. Drought Monitor West

**February 5, 2019**  
(Released Thursday, Feb. 7, 2019)  
Valid 7 a.m. EST



Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
<b>Current</b>	30.71	69.29	39.28	17.08	4.86	0.41
<b>Last Week</b> <i>01-29-2019</i>	30.36	69.64	41.22	17.12	4.86	0.39
<b>3 Months Ago</b> <i>11-06-2018</i>	21.15	78.85	50.95	29.55	10.95	3.39
<b>Start of Calendar Year</b> <i>01-01-2019</i>	28.03	71.97	53.25	27.22	8.35	2.88
<b>Start of Water Year</b> <i>09-25-2018</i>	13.91	86.09	59.57	39.68	18.15	4.36
<b>One Year Ago</b> <i>02-06-2018</i>	27.18	72.82	45.33	23.53	0.88	0.00

Intensity:

- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
- D4 Exceptional Drought

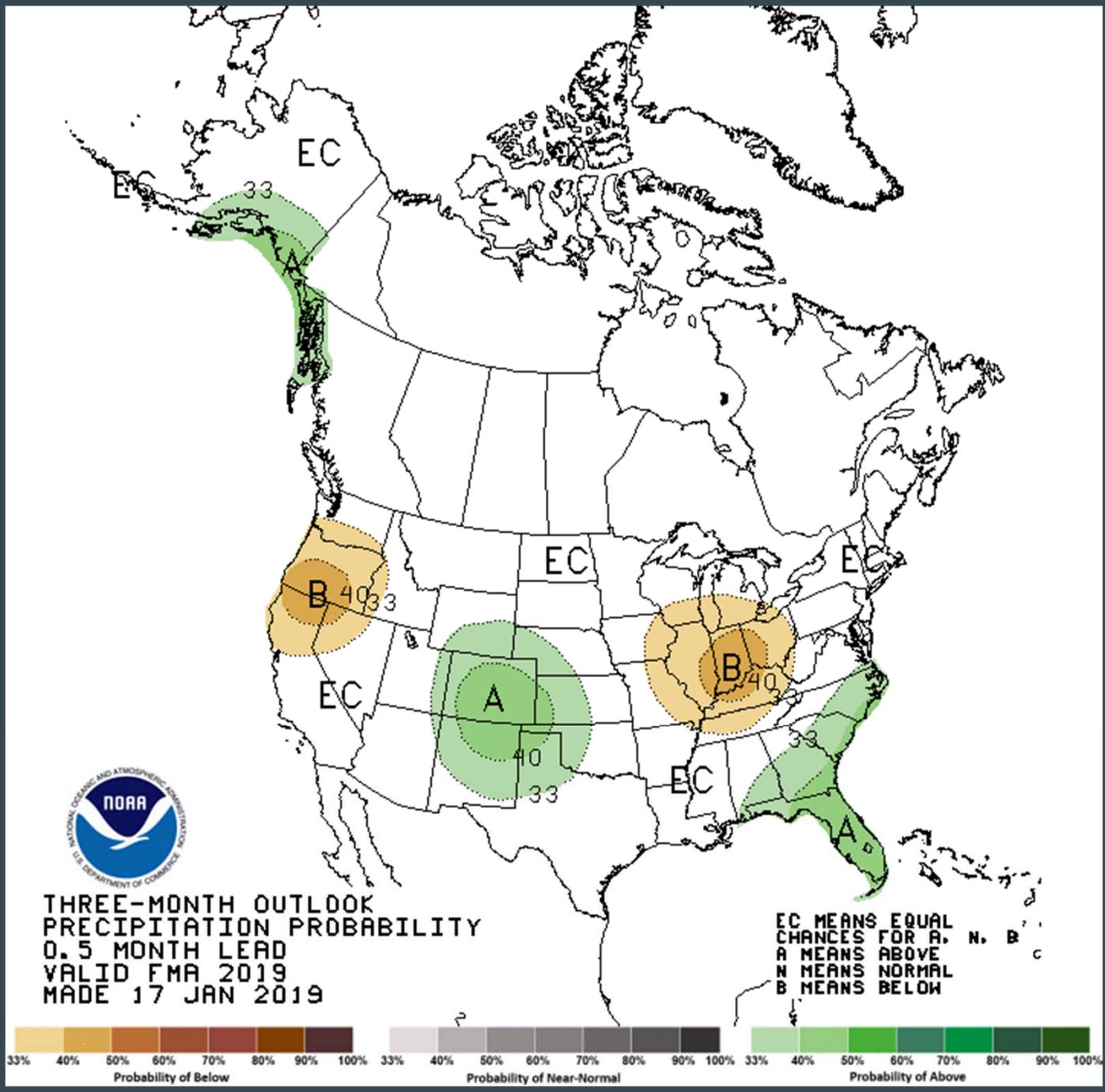
*The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.*

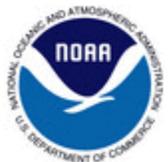
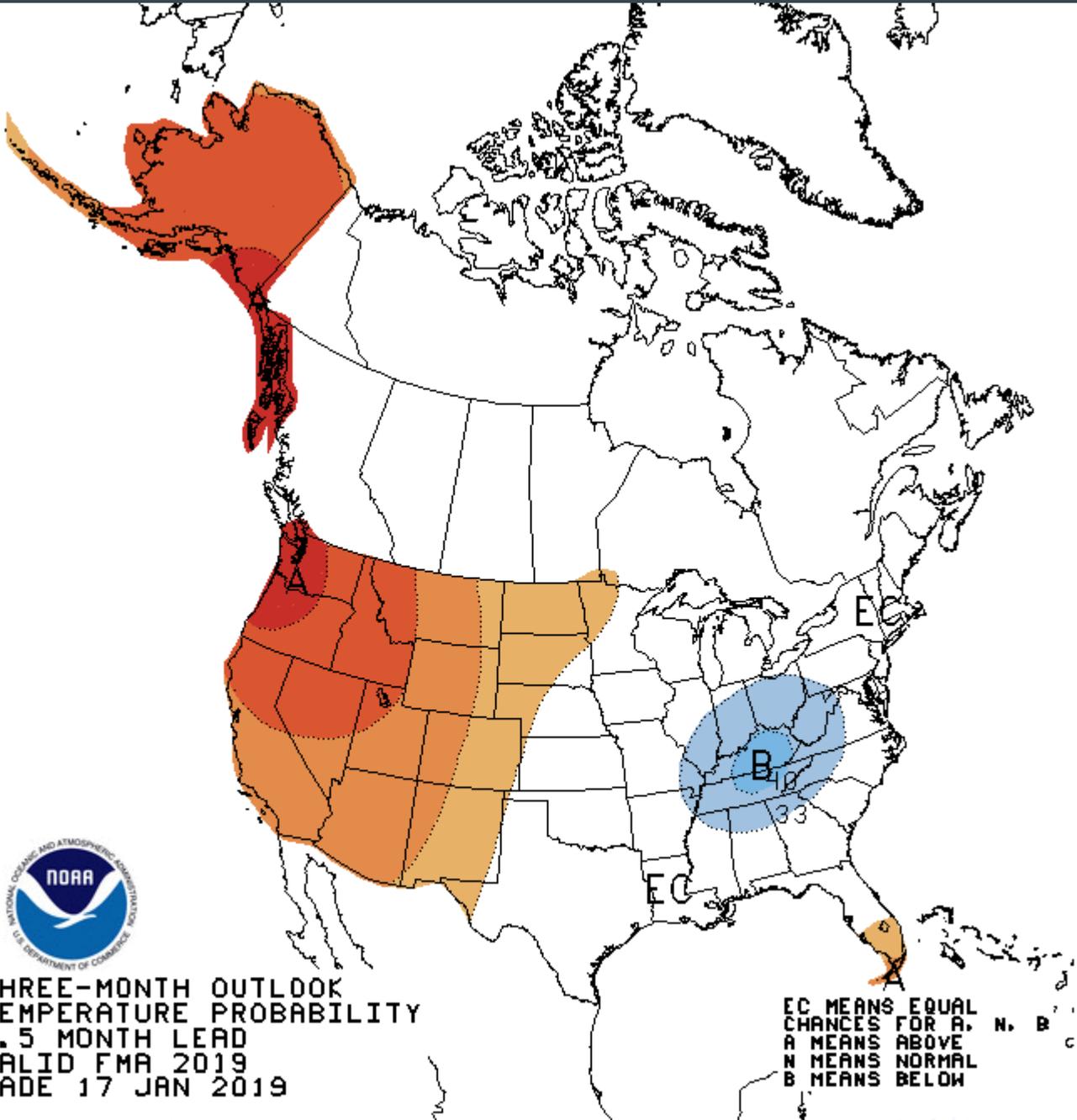
Author:

Richard Tinker  
CPC/NOAA/NWS/NCEP



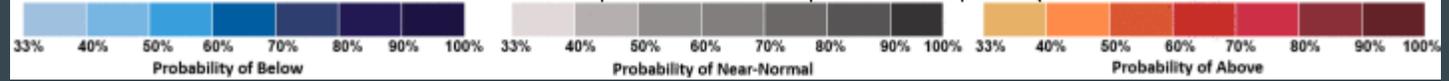
<http://droughtmonitor.unl.edu/>





**THREE-MONTH OUTLOOK**  
**TEMPERATURE PROBABILITY**  
**0.5 MONTH LEAD**  
**VALID FMA 2019**  
**MADE 17 JAN 2019**

**EC MEANS EQUAL**  
**CHANCES FOR A, N, B**  
**A MEANS ABOVE**  
**N MEANS NORMAL**  
**B MEANS BELOW**





Thanks!

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Division of Water Resources

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