

Oregon Water Conditions Report



March 25th, 2024

HIGHLIGHTS

According to the [US Drought Monitor](#), over 8% of Oregon is experiencing moderate (D1) drought conditions. Over the past two weeks, moderate drought has been removed from Wasco County and most of Jefferson County.

[Snow water equivalent \(SWE\)](#) is currently measuring below to well above the historical median (min = 85%, max = 171%). Over the past two weeks, SWE has decreased for most basins with the exception of the Owyhee and Harney basins. For more information see [individual basin SWE plots](#).

[Over the last two weeks](#), most of the state received below-average precipitation ranging from 0.5 to 2.5 inches below average. However, precipitation in parts of north-central and south-central Oregon was up to 1 inch above average. Additionally, precipitation in coastal southwest Oregon was also above average and ranged from 0.5 to 2 inches above average.

Temperatures over the past two weeks were above average for most of the state, ranging from 2°F to 6°F above average. However, temperatures in the central Cascades were 2°F to 4°F below normal.

[Recent soil moisture indicators](#) show a decrease for most of western Oregon and parts of eastern Oregon. Parts of the Cascades and Blue Mountains are showing an increase in soil moisture.

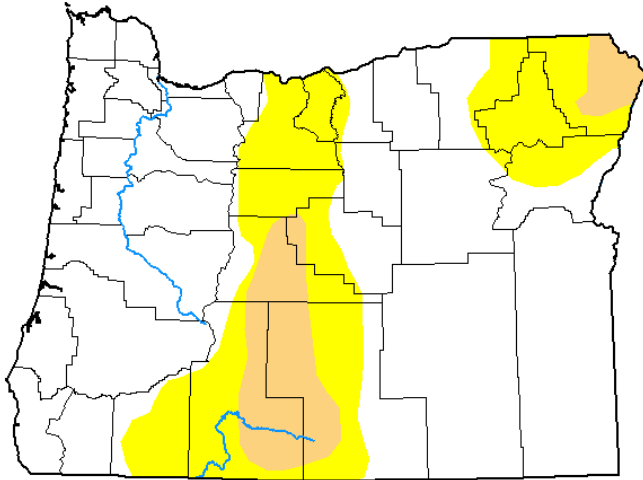
The [near-term climate outlook](#) indicates probabilities leaning towards above average precipitation for much of central and eastern Oregon and near normal conditions in most of western Oregon and parts of central Oregon. The near-term outlook also indicates probabilities leaning towards below average temperatures statewide.

[Recent streamflow](#) conditions over the past seven days have varied across much of the state. Streamflow was generally below to near average in northwestern Oregon and above average in southwestern Oregon. In eastern Oregon, streamflow was more variable and ranged from well below to well above average. Water year to date (WYTD) streamflow is near to well above average for most basins in the state. However, in south-central Oregon WYTD streamflow is below average but has slightly increased over the past two weeks.

Reservoir storage in many basins is currently above average. However, projects in the Deschutes and Rogue basins are measuring below average. See [USBR](#) (including [Klamath](#)) and [USACE](#) teacup diagrams for more information.

U.S. Drought Monitor Oregon

March 19, 2024
(Released Thursday, Mar. 21, 2024)
Valid 8 a.m. EDT



Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	69.14	30.86	8.50	0.00	0.00	0.00
Last Week <small>03-12-2024</small>	67.64	32.36	9.97	0.00	0.00	0.00
3 Months Ago <small>12-19-2023</small>	47.09	52.91	18.85	3.12	0.00	0.00
Start of Calendar Year <small>01-02-2024</small>	47.04	52.96	18.85	3.12	0.00	0.00
Start of Water Year <small>09-26-2023</small>	24.13	75.87	54.18	27.06	6.40	0.00
One Year Ago <small>03-21-2023</small>	8.50	91.50	73.32	33.49	7.18	1.40

Intensity:

- None
- 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. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>

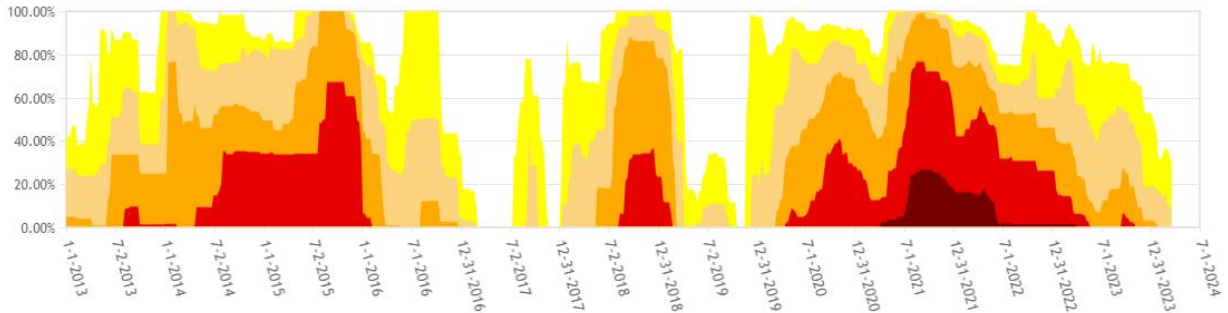
Author:

Brad Rippey
U.S. Department of Agriculture



droughtmonitor.unl.edu

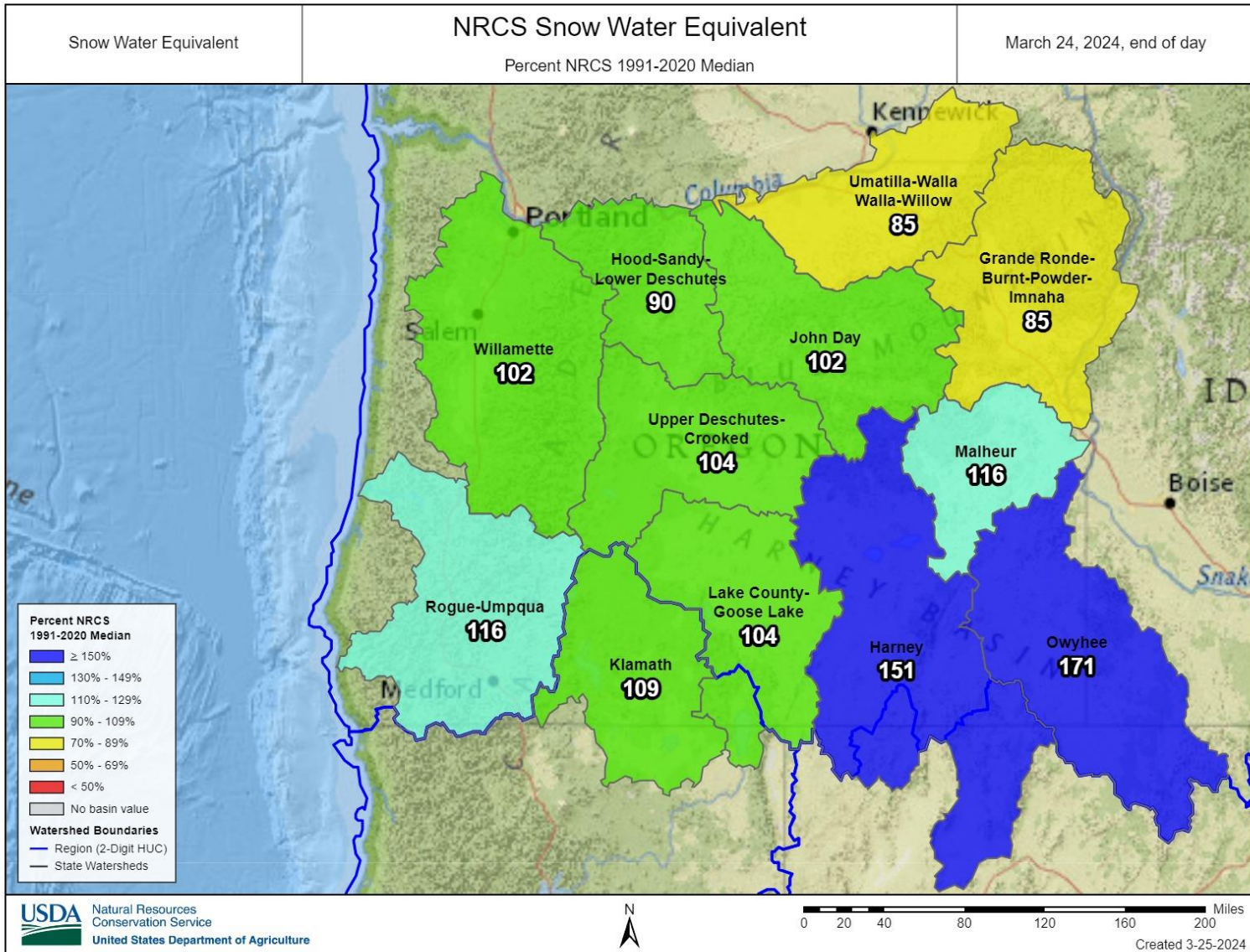
Oregon Percent Area in U.S. Drought Monitor Categories



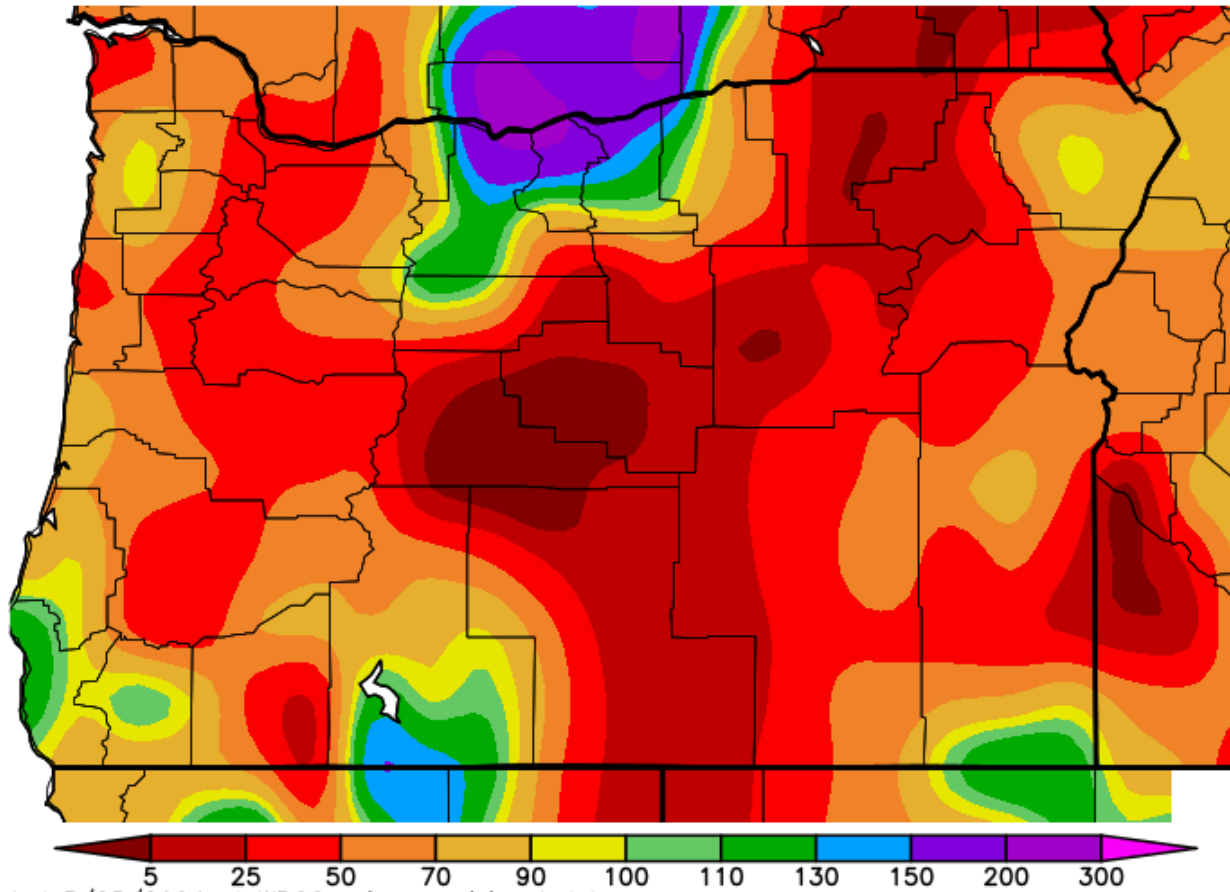
From the U.S. Drought Monitor website, <https://droughtmonitor.unl.edu/DmData/TimeSeries.aspx>, 3-25-2024



CLIMATE CONDITIONS
SNOW WATER EQUIVALENT

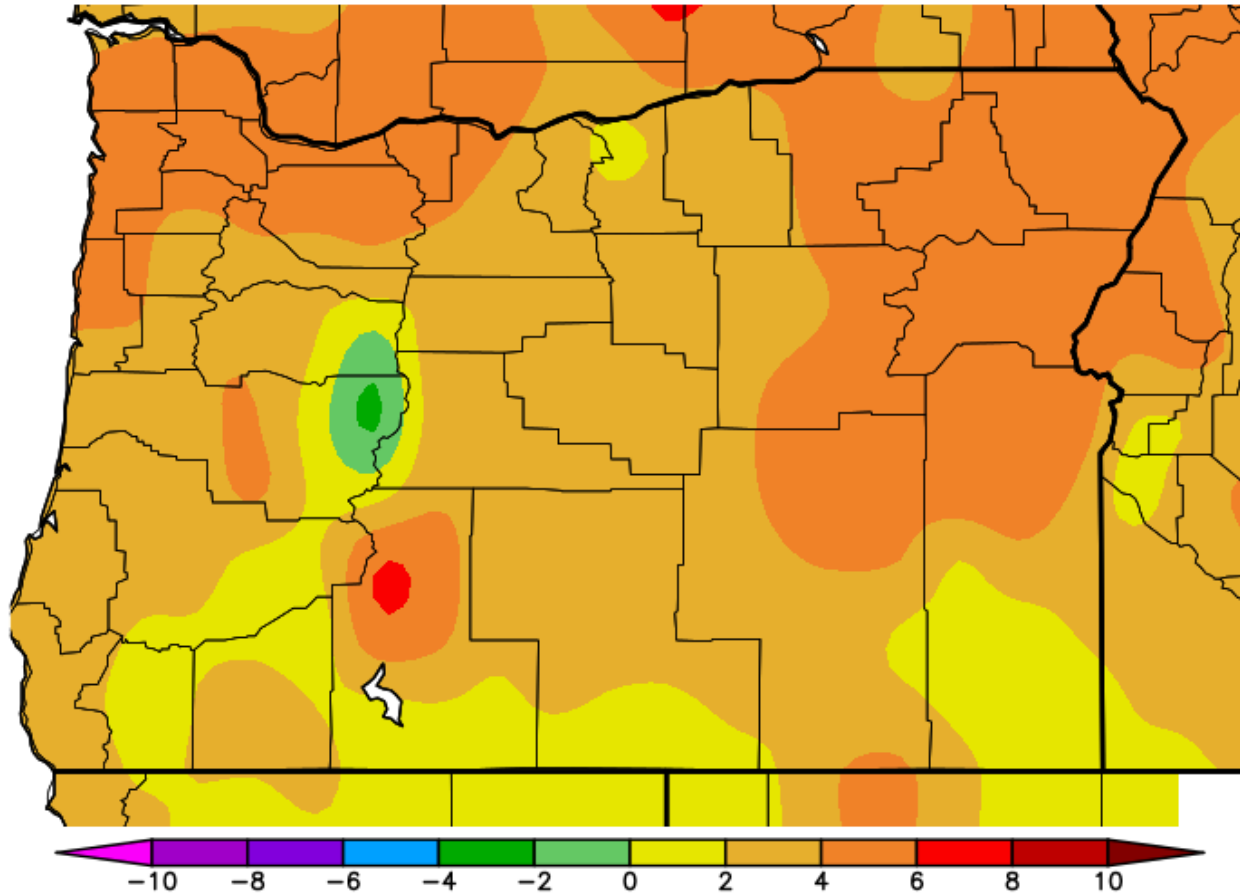


Percent of Average Precipitation (%)
3/11/2024 – 3/24/2024



Generated 3/25/2024 at WRCC using provisional data.
NOAA Regional Climate Centers

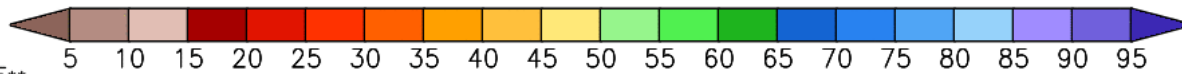
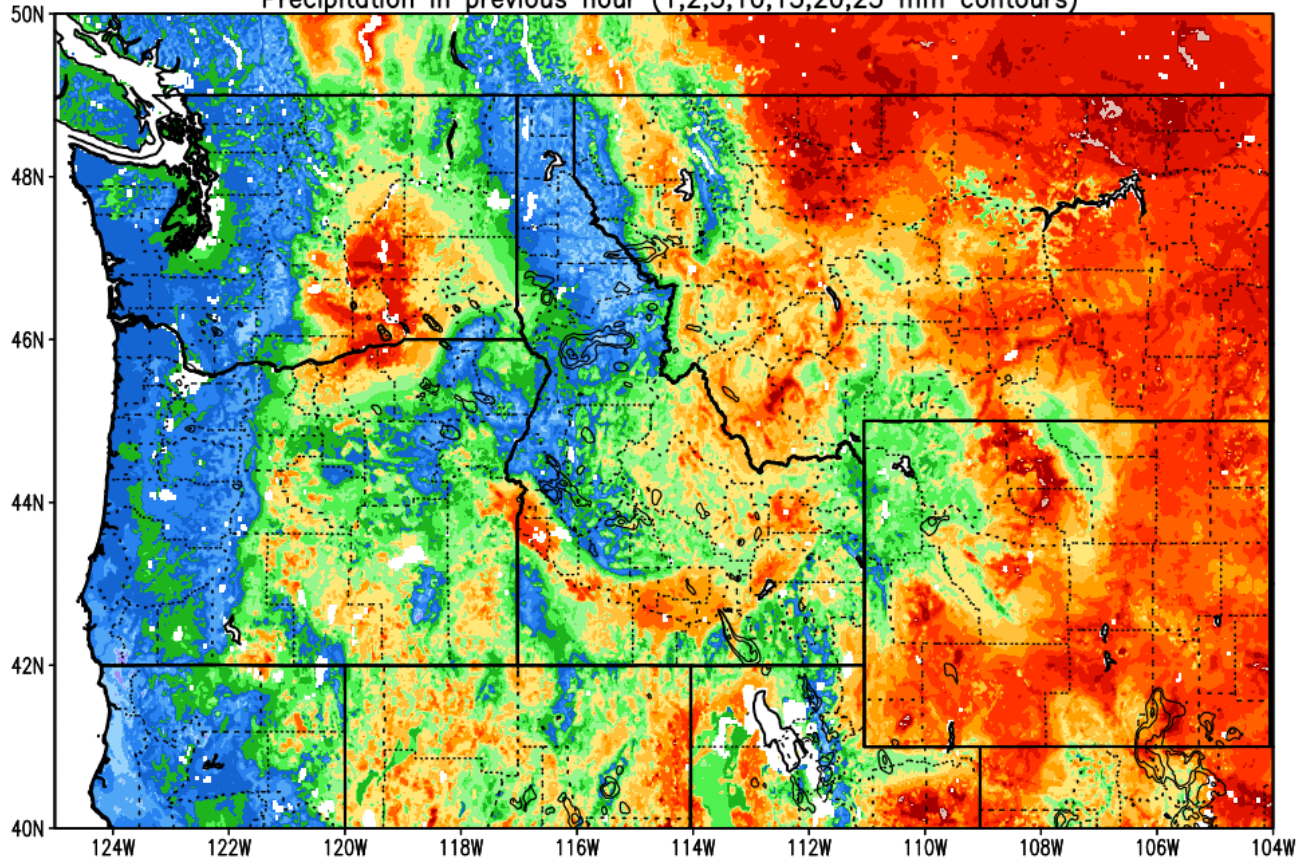
Ave. Temperature dep from Ave (deg F)
3/11/2024 - 3/24/2024



Generated 3/25/2024 at WRCC using provisional data.
NOAA Regional Climate Centers

Column-Integrated Relative Soil Moisture (available water; %) valid 00z 25 Mar 2024

Precipitation in previous hour (1,2,5,10,15,20,25 mm contours)



NOTE
Experimental



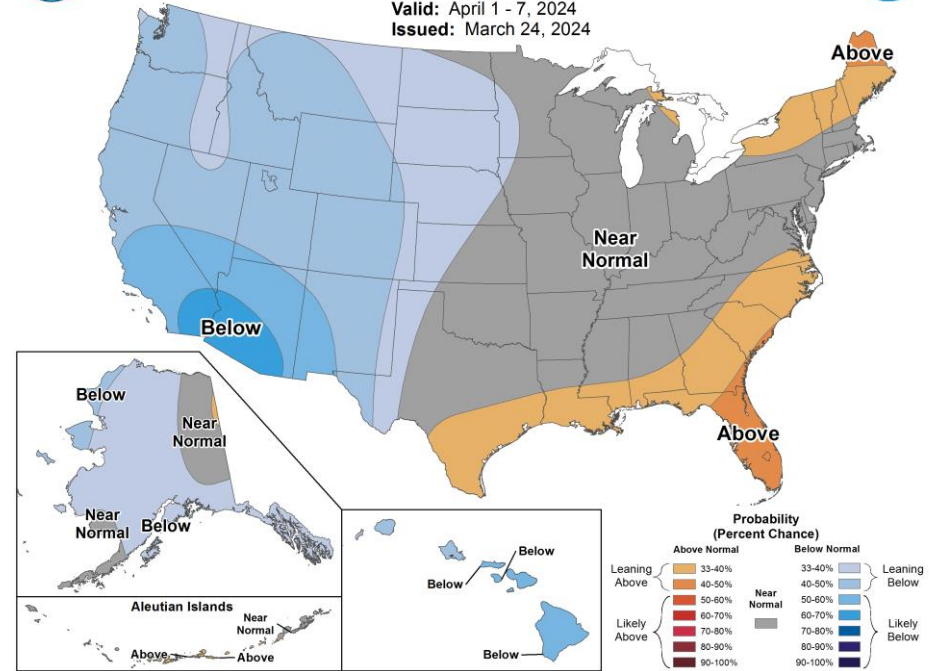
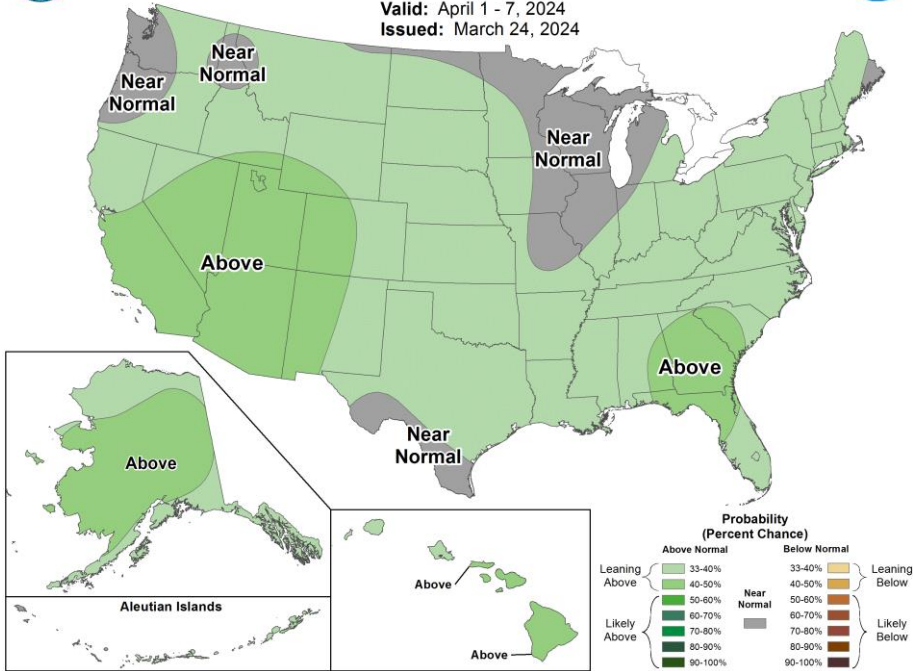
8-14 Day Precipitation Outlook

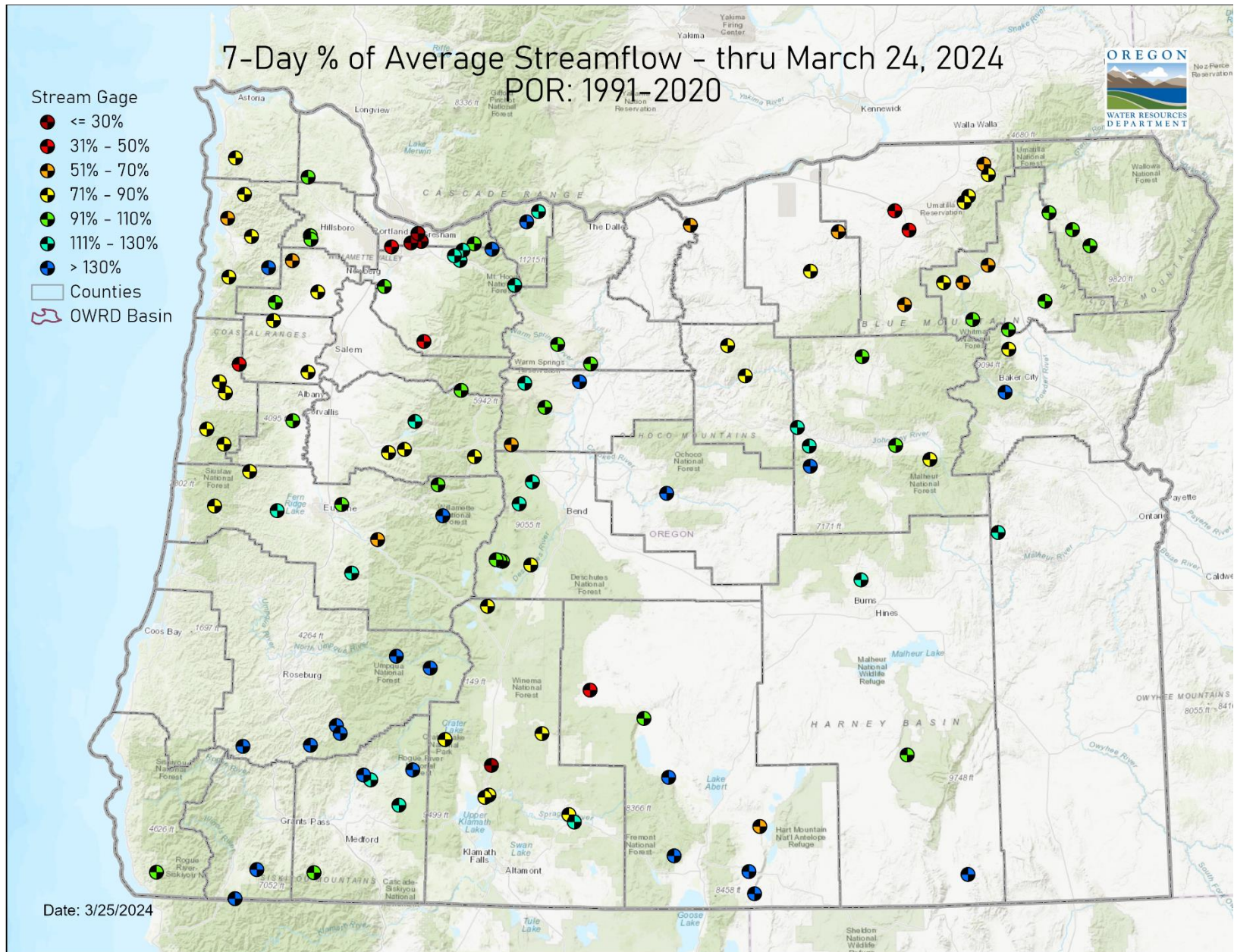
Valid: April 1 - 7, 2024
 Issued: March 24, 2024



8-14 Day Temperature Outlook

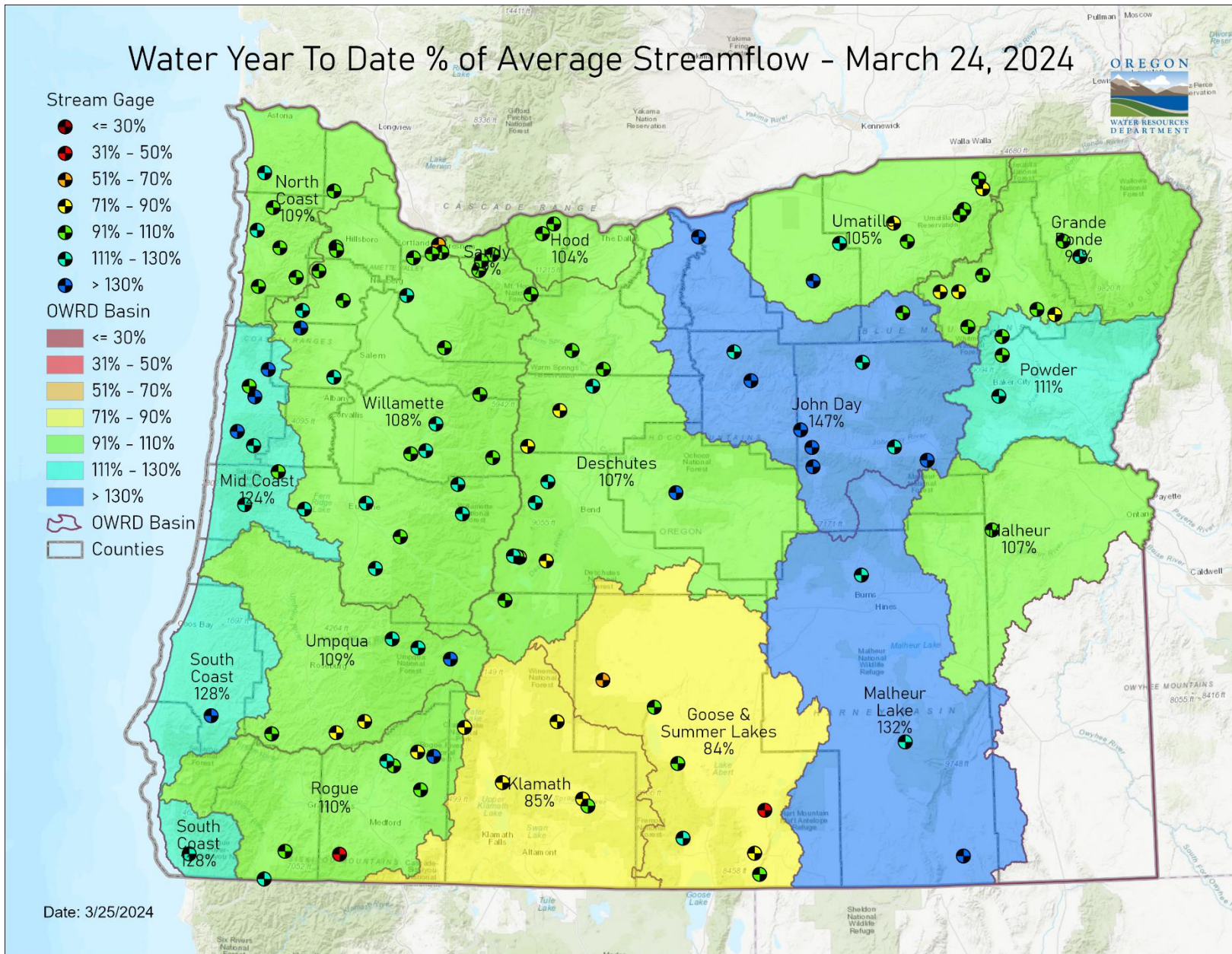
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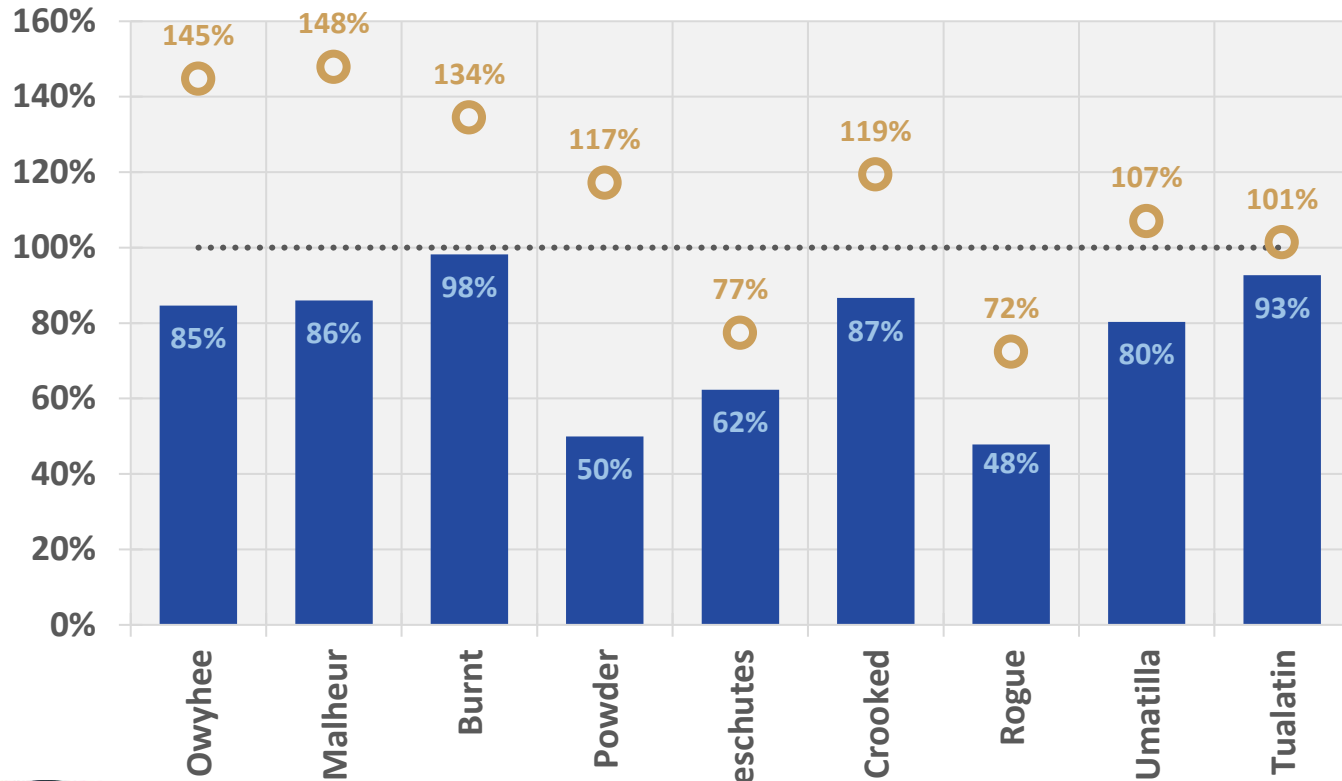
Water Year To Date % of Average Streamflow - March 24, 2024

- Stream Gage**
- ≤ 30%
 - 31% - 50%
 - 51% - 70%
 - 71% - 90%
 - 91% - 110%
 - 111% - 130%
 - > 130%
- OWRD Basin**
- ≤ 30%
 - 31% - 50%
 - 51% - 70%
 - 71% - 90%
 - 91% - 110%
 - 111% - 130%
 - > 130%
- OWRD Basin
- Counties



Date: 3/25/2024

March 24 Reservoir Storage



BUREAU OF RECLAMATION

■ Percent Full

● Percent of Average

RESOURCES/REFERENCES

Please visit [Oregon Water Resources Department's drought information page](#) to learn about current drought conditions, assistance programs, and potential drought tools.

If you are interested in submitting local drought-related conditions and impacts, please visit the [drought impacts toolkit](#) to learn more. [Click here](#) to visit the map of condition monitoring observer reports.

Released every Thursday, the [US Drought Monitor](#) provides a weekly assessment of drought conditions. The USDM provides a [network infographic](#) which depicts the network of observers who gather and report information about conditions and drought impacts.

The [WestWide Drought Tracker](#) uses data from [PRISM](#) to provide easy access to fine-scale drought monitoring and climate products, such as the figures depicting climate conditions within this report.

The National Weather Service's [Climate Prediction Center](#) offers [weekly](#), [monthly](#), and [seasonal](#) climate outlooks illustrating the probabilities of temperatures and precipitation.

The [Regional Climate Centers](#) (RCC) working with NOAA partners, deliver climate services at national, regional, and state levels. Climate [anomaly maps of Oregon](#) are updated daily at around noon PST.

NASA's [Gravity Recovery and Climate Experiment](#) (GRACE) provide satellite-based observations of soil moisture conditions that are useful as drought indicators, helpful in describing current wet or dry soil conditions.

USGS [Water Watch](#) provides maps of real-time and average streamflow conditions at USGS sites throughout the state.

Reservoir storage "teacup" diagrams are offered by both the [US Bureau of Reclamation](#) and [US Army Corps of Engineers](#). The diagrams represent the level of fill in the reservoirs as both percent full and as a ratio of volume of water currently in the reservoir to the volume of water in the reservoir when it is full.

Oregon wildfire information can be found through [InciWeb](#) and the Oregon Department of Forestry's [Wildfire News](#), along with the [National Interagency Fire Center](#) which offers outlooks on the significant wildland fire potential.

Oregon Office of Emergency Management maintains a [hydrology/meteorology dashboard](#) which shows state and local drought declarations, as well as hosts many of the data sources to generate this report. Use the selection arrows at the bottom of your browser to navigate through the various sources.

US Department of Agriculture provides the [Weekly Weather and Crop Bulletin](#) as a vital source of information on US and global weather, climate, and agricultural developments, along with seasonally appropriate agrometeorological charts and tables. USDA's [Drought Programs and Assistance](#) offers links to programs and resources to help those struggling with persistent drought.