

Oregon Water Conditions Report



November 18th, 2024

HIGHLIGHTS

Thus far, [three Oregon counties](#) have received [Executive Orders](#) issuing state drought declarations under ORS 536. Additionally, Harney County has requested a drought declaration.

According to the [US Drought Monitor](#), over 64% of Oregon is experiencing moderate (D1)drought conditions. Over the last two weeks, abnormally dry conditions have lessened across western Oregon.

[Recent precipitation over the last two weeks](#) has been normal to above normal for much of western and eastern Oregon where precipitation measured up to 3 inches above normal. Parts of central, northeastern, and southeastern Oregon received below normal precipitation measuring 0.75 to 1.5 inches below normal.

[Recent temperatures over the last two weeks](#) varied across the state ranging from below to above normal. In parts of northwestern, north-central and northeastern Oregon, temperatures were 1°F to 4°F above normal. Across much of southern Oregon, temperatures ranged from 1°F to 3°F below normal. Elsewhere in the state, temperatures were closer to normal.

[Recent soil moisture indicators](#) show an increase in soil moisture across most of the state, most notably in western Oregon.

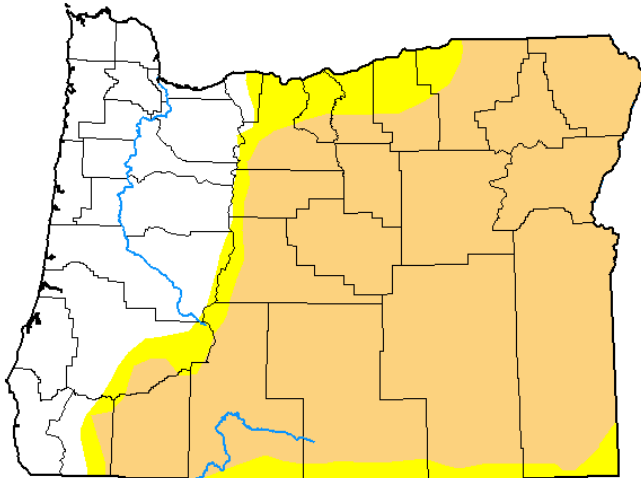
The [near-term climate outlook](#) indicates probabilities leaning towards above normal precipitation for most of the state and near normal precipitation for parts of northwestern Oregon. The outlook also indicates probabilities leaning towards below normal temperatures statewide.

[Recent streamflow](#) varied in Oregon ranging from below to well above normal. Streamflow in western Oregon was generally above normal and across much of central and eastern Oregon streamflow ranged from below to above normal. In parts of northeastern, north-central, and south-central Oregon streamflow was below normal. Streamflow over the water year to date (WYTD) has been below normal for much of the state. In southeastern and in parts of western Oregon, WYTD streamflow has been near to above normal.

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

U.S. Drought Monitor Oregon

November 12, 2024
(Released Thursday, Nov. 14, 2024)
Valid 7 a.m. EST



Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	25.30	74.70	64.17	0.00	0.00	0.00
Last Week 11-05-2024	25.34	74.66	64.12	0.00	0.00	0.00
3 Months Ago 08-13-2024	4.37	95.63	64.76	4.21	0.00	0.00
Start of Calendar Year 01-02-2024	47.04	52.96	18.85	3.12	0.00	0.00
Start of Water Year 10-01-2024	10.56	89.44	61.05	1.36	0.00	0.00
One Year Ago 11-14-2023	33.85	66.15	40.98	9.32	0.00	0.00

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>

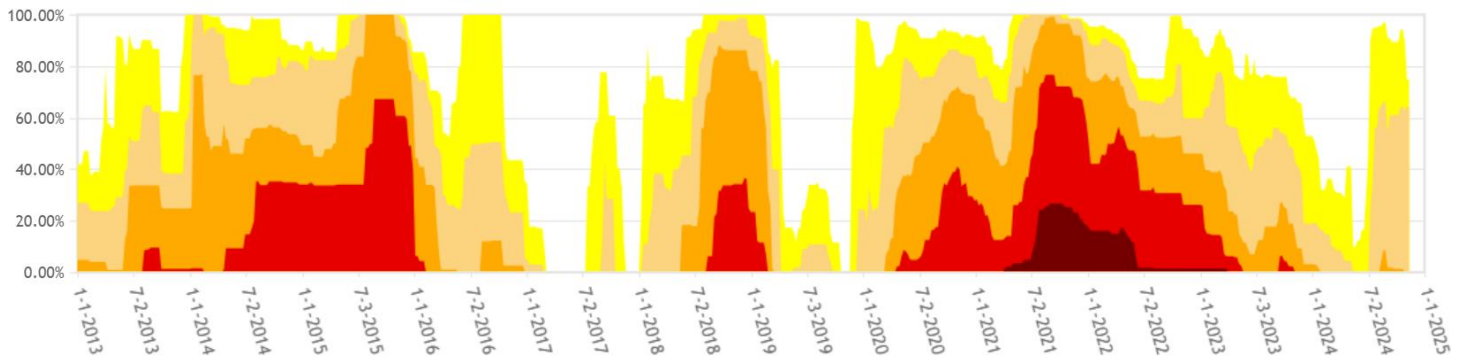
Author:

Richard Tinker
CPC/NOAA/NWS/NCEP



droughtmonitor.unl.edu

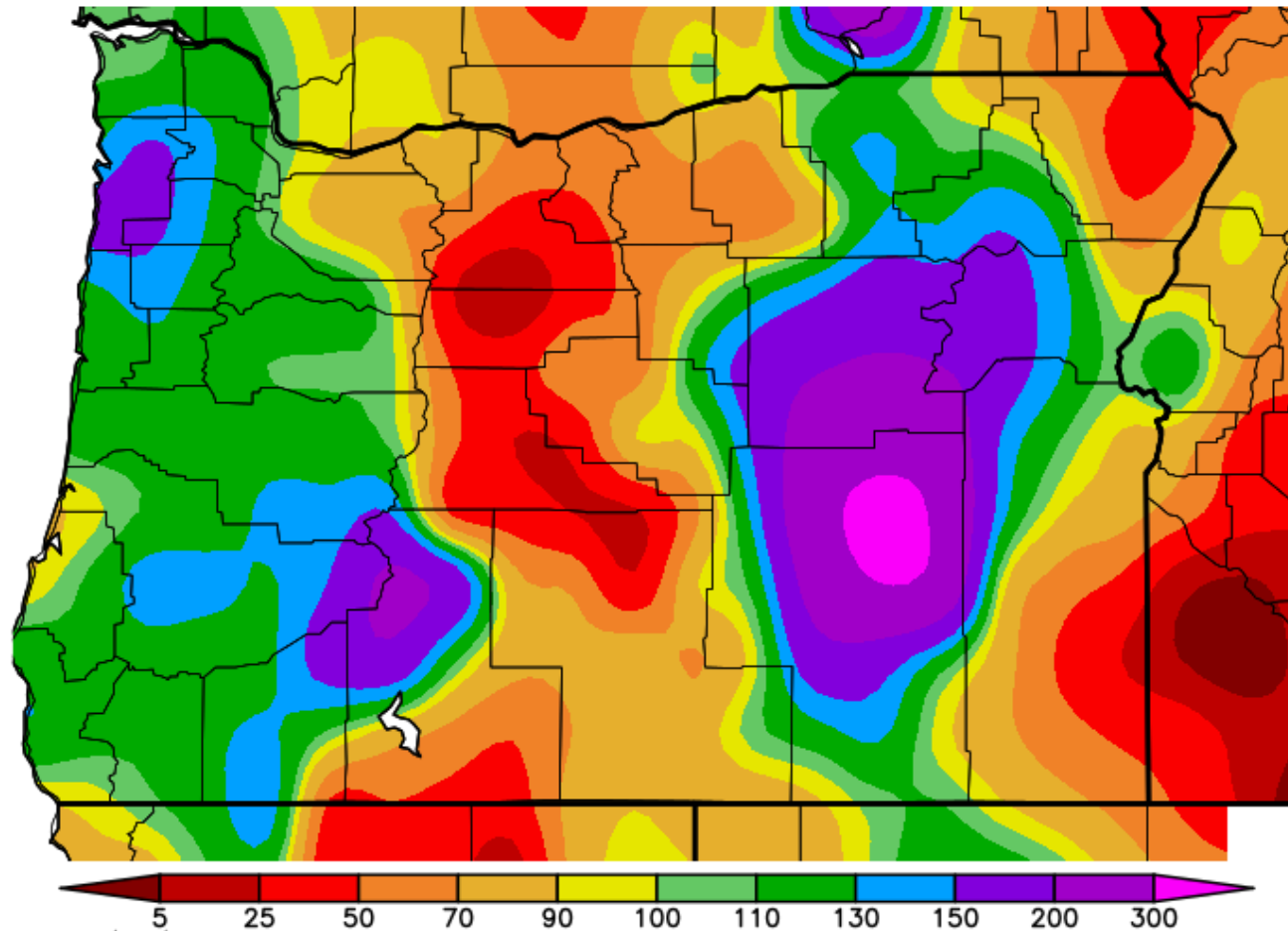
Oregon Percent Area in U.S. Drought Monitor Categories



From the U.S. Drought Monitor website, <https://droughtmonitor.unl.edu/DmData/TimeSeries.aspx>, 11-18-2024



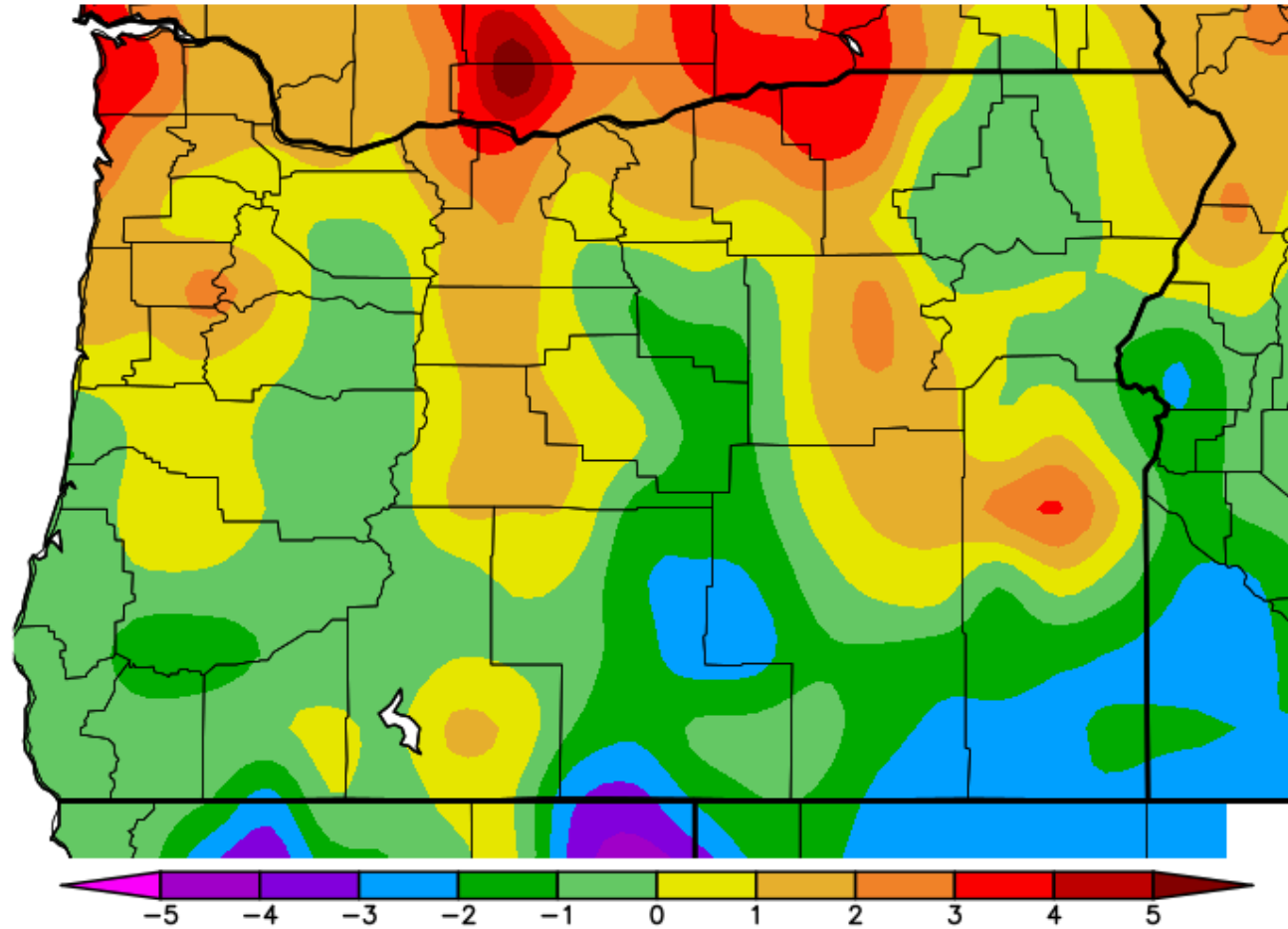
Percent of Average Precipitation (%)
11/4/2024 – 11/17/2024



Generated 11/18/2024 at WRCC using provisional data.
NOAA Regional Climate Centers

TEMPERATURE

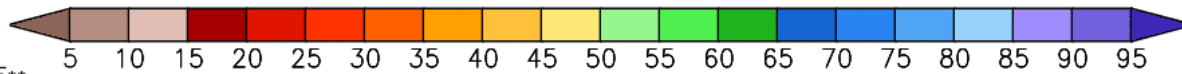
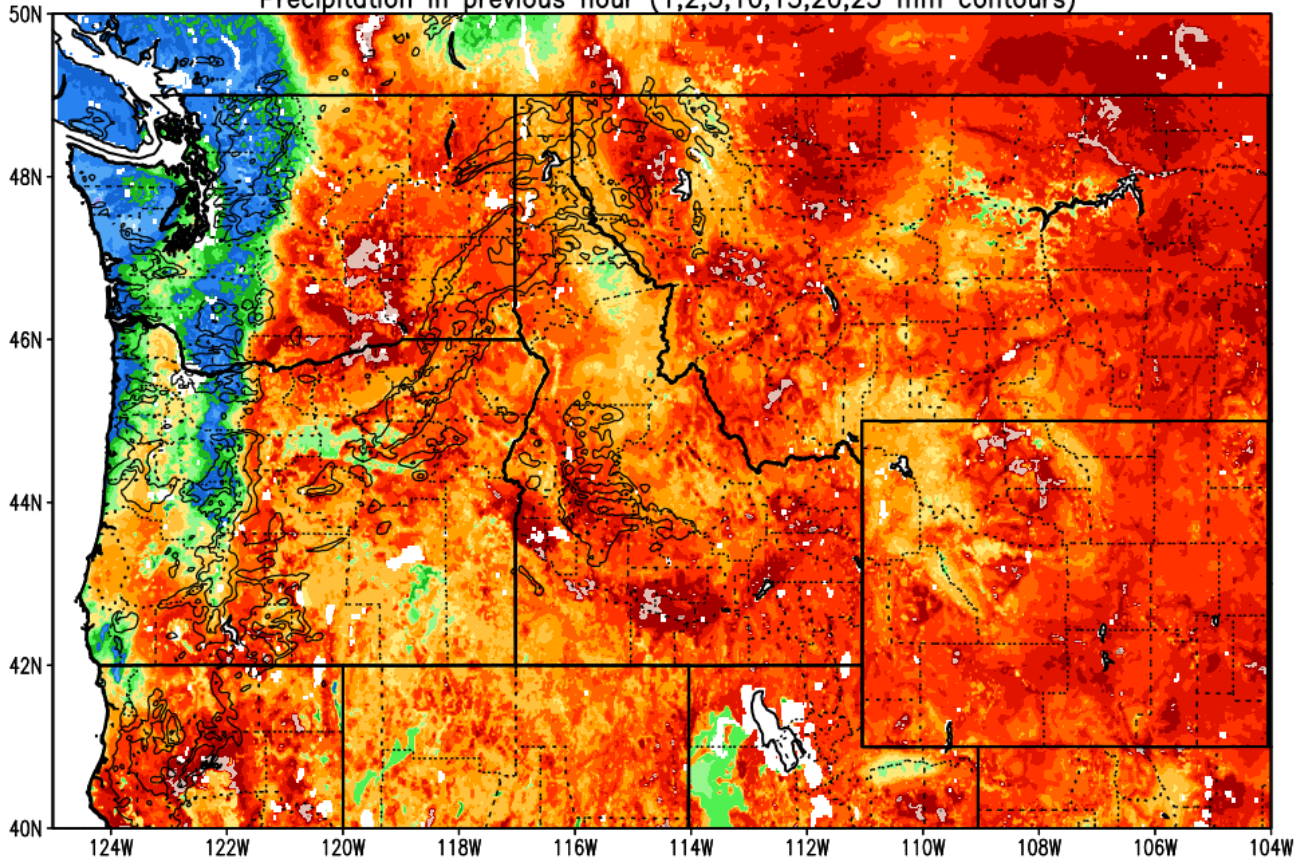
Ave. Temperature dep from Ave (deg F)
11/4/2024 – 11/17/2024



Generated 11/18/2024 at WRCC using provisional data.
NOAA Regional Climate Centers

Column-Integrated Relative Soil Moisture (available water; %) valid 00z 18 Nov 2024

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

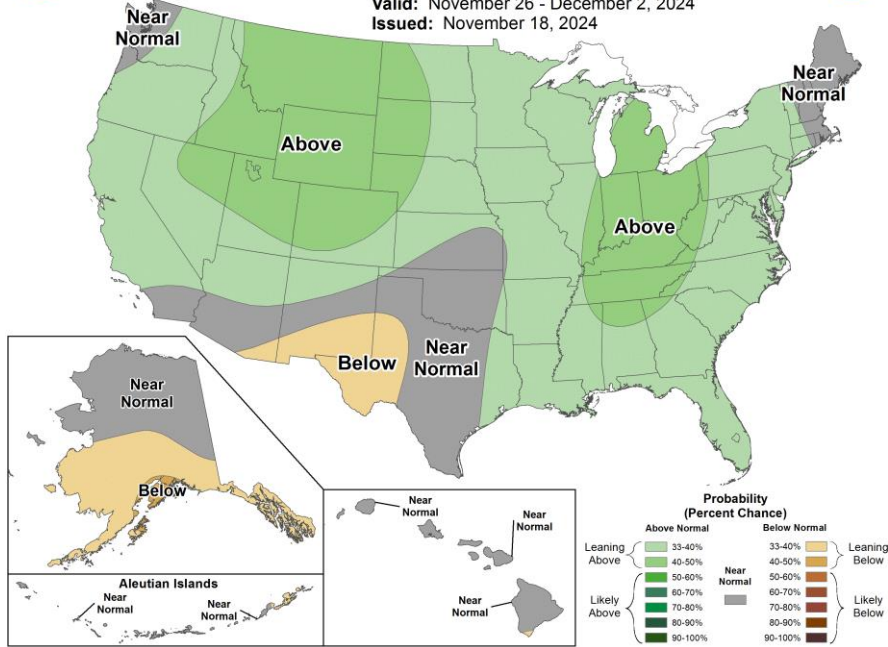


NOTE
Experimental



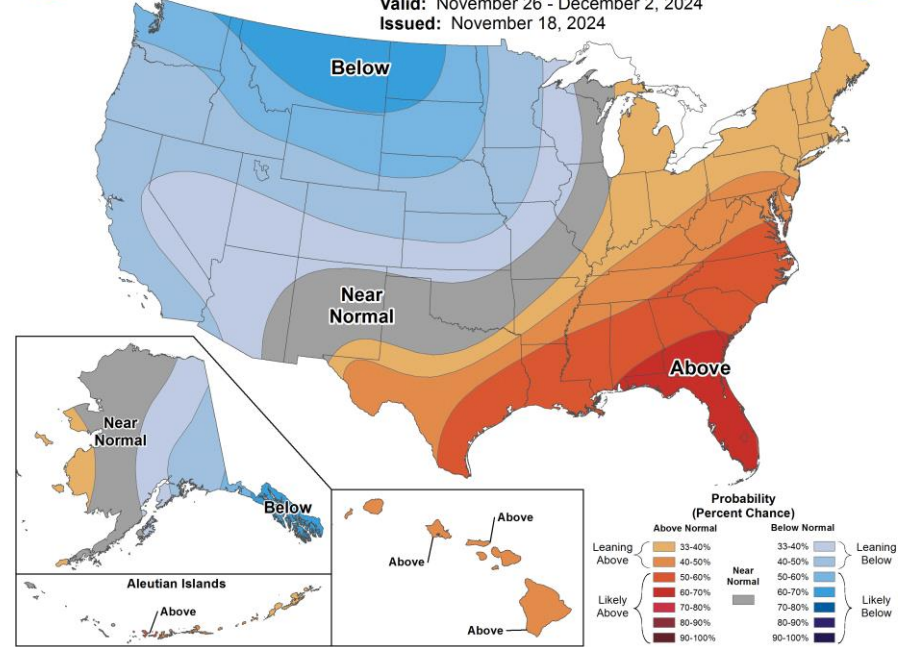
8-14 Day Precipitation Outlook

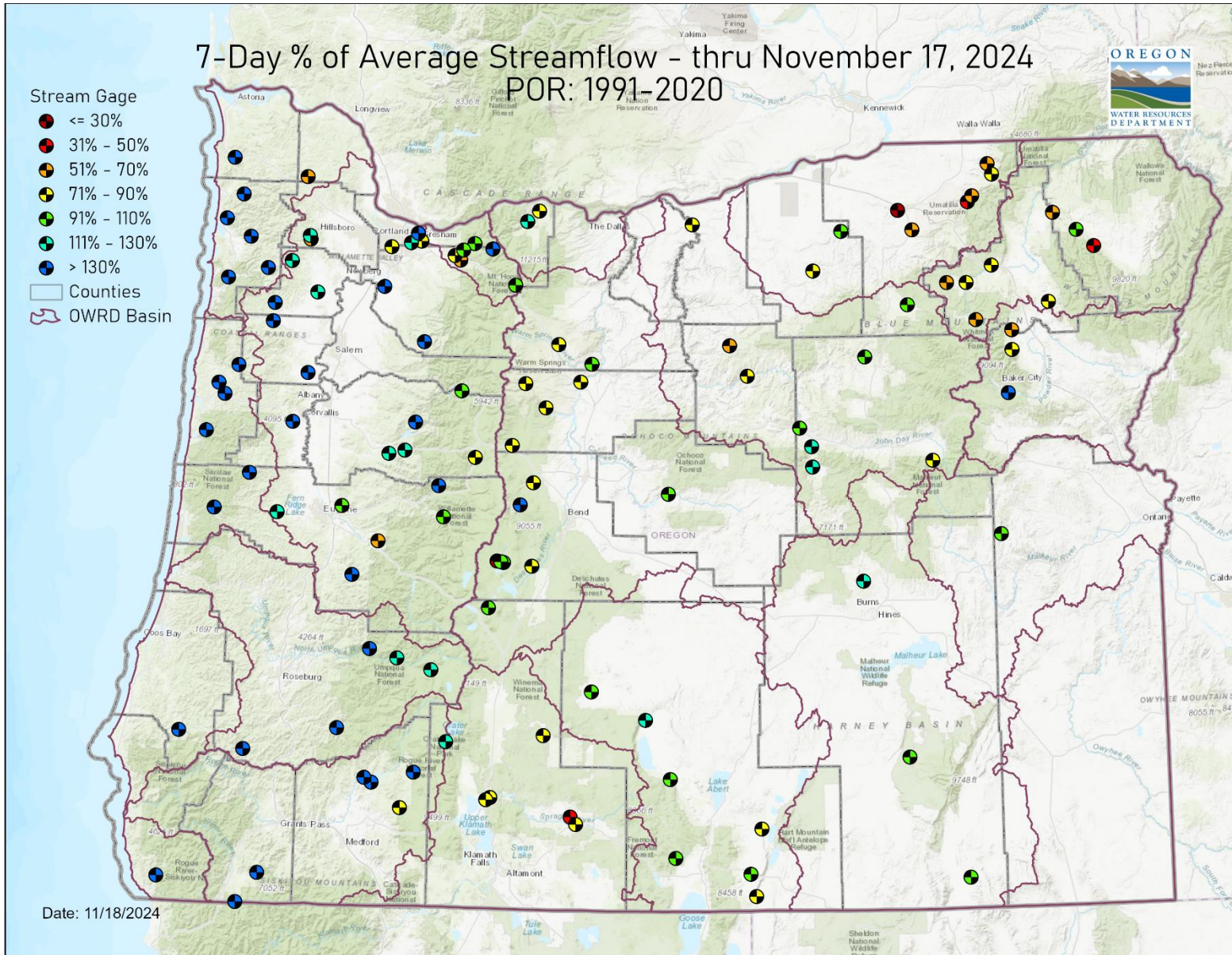
Valid: November 26 - December 2, 2024
 Issued: November 18, 2024



8-14 Day Temperature Outlook

Valid: November 26 - December 2, 2024
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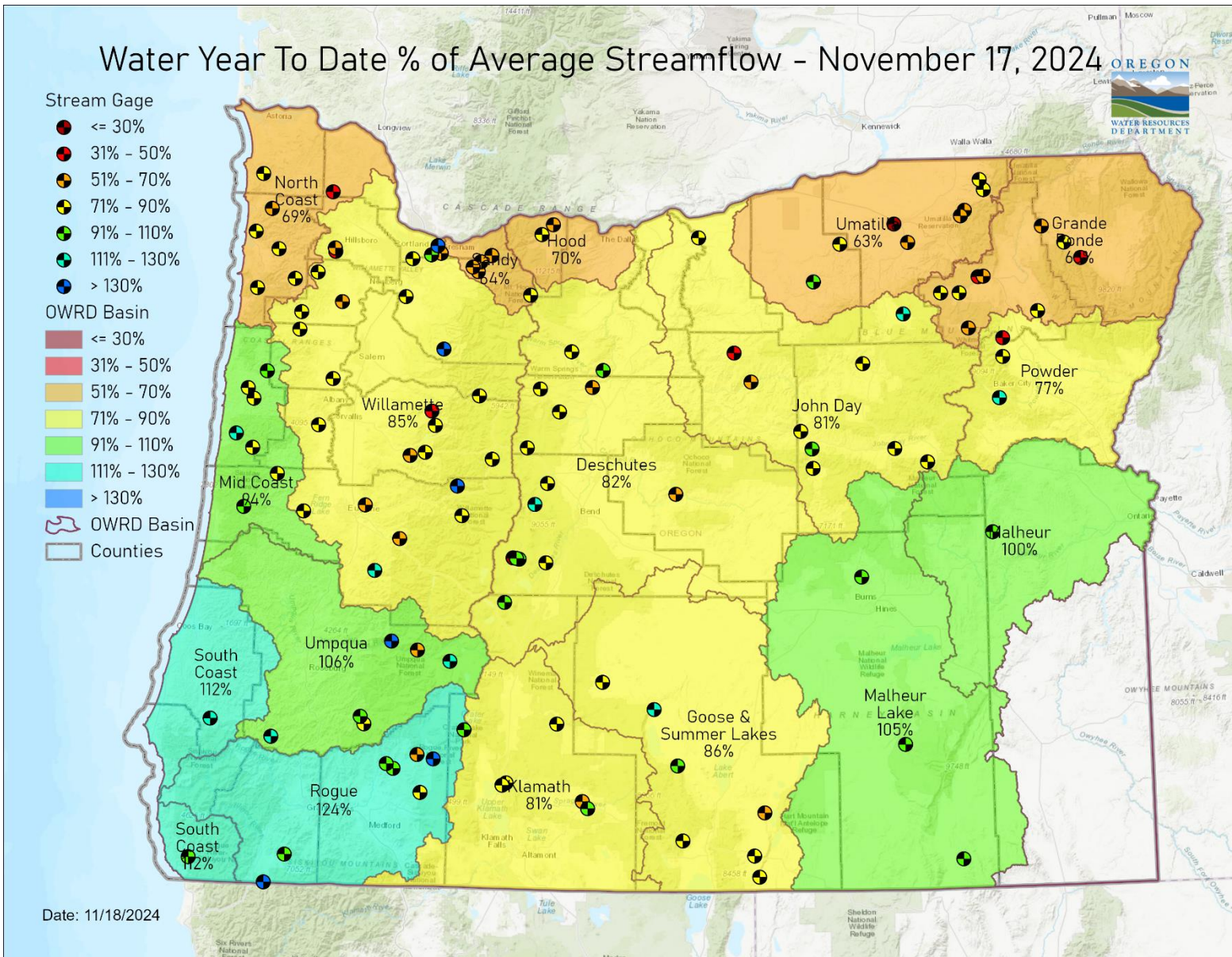




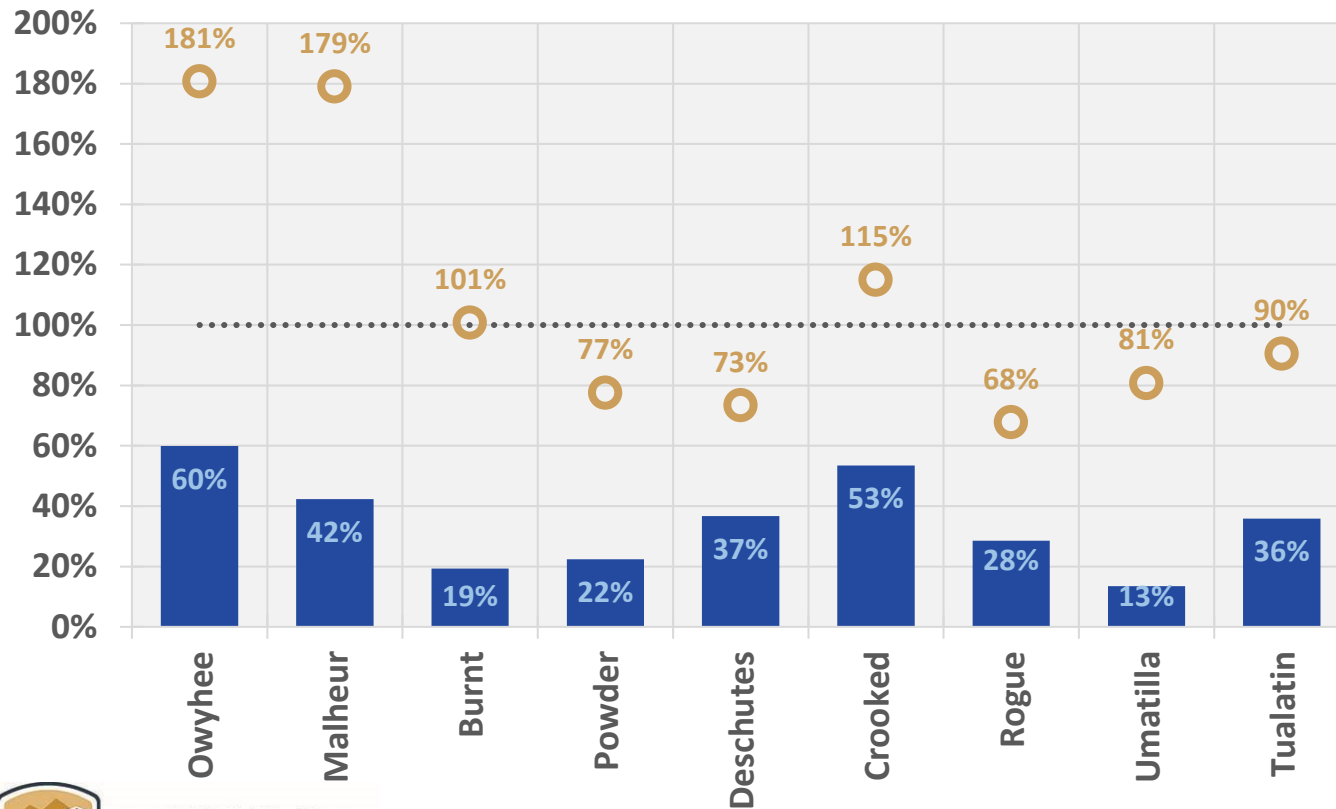
Water Year To Date % of Average Streamflow - November 17, 2024



- 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



November 17 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.