Oregon Water Conditions Report October 31, 2017



As of October 30, 2017, Oregon NRCS SNOTEL sites indicate 179 percent of normal statewide precipitation. The northwestern half of the state has received more precipitation due to the mid-month storm impacts. Snow water equivalent values are negligible at most measurement locations with the onset of winter conditions still to come. Areas impacted by October precipitation events are observing some increase in soil moisture values, however, additional precipitation before the onset of snow accumulation would be welcome in most areas to ensure thorough wetting of soil profiles.

Most of Oregon was warmer than normal for late October. The <u>past two weeks</u> have seen a trend of warmer than normal temperatures for this time of year. However, over the next <u>8 to 14 days</u>, the NOAA Climate Prediction Center is forecasting an increased probability of below normal temperatures across Oregon. The accompanying precipitation outlook is for above normal precipitation across most of the state.

The NOAA Climate Prediction Center's most recent <u>three month outlook</u> indicates an increased likelihood of above normal temperatures in the southeast half of the state with equal chances of above or below normal temperatures for the rest of the state. The precipitation outlook is for equal chances of above or below normal precipitation for most of Oregon. The next outlook will be issued on November 16, 2017.

The Climate Prediction Center has recently issued a <u>La Niña Watch</u> for the upcoming 2017- 18 fall-winter season. There is an increasing chance (~55-60%) of La Niña during the Northern Hemisphere fall and winter 2017-18. The <u>diagnostic discussion</u> issued on October 12 provides more detail. For the latest discussion on the coming winter outlook, refer to the <u>ENSO blog</u> on the climate.gov website. The situation continues to be monitored and any changes will be made to the status by the Climate Prediction Center. The next ENSO Diagnostics Discussion is scheduled for November 9, 2017.

Statewide streamflows for October were over 150 percent of normal. This is up considerably from 92 percent for the month of September. Regionally streamflow conditions are at 200 percent west of the Cascades and almost 118 percent east of the Cascades.

Most of the state's water supply reservoirs are at normal levels for this time of

year. <u>Willamette</u> and <u>Rogue</u> project reservoirs remain on track this fall. <u>Hills Creek</u> <u>Reservoir</u> in the Willamette Basin was held to lower than normal levels for maintenance projects. Minimum streamflow targets are projected to be met for the rest of the season. <u>Central Oregon</u> reservoirs are between 43 and 84 percent of capacity. <u>Eastern Oregon</u> reservoirs continue to hover between 20 and 60 percent of capacity. Most are ramping down releases of stored water for the season. For the most recent near real-time, sitespecific reservoir conditions (teacup diagrams) visit the <u>USBR</u> or <u>USACE</u> websites.

The <u>US Drought Monitor</u> now indicates that 40 percent of Oregon is categorized as "abnormally dry". The remaining 60 percent of the state is no longer listed in any drought category.

Fire season on Oregon Department of Forestry-protected land has officially ended

as cooler temperatures and moister conditions settle over much of the state. With the end of wildfire season in Oregon, firefighting resources are now more available. As a result, several public and private engines and crews have been dispatched to California to assist with the devastating wildfires there. For the most up-to-date information on fire potential, the Oregon Department of Forestry's <u>Significant Fire Potential</u> map provides the latest detail. Information and updates on current and developing wildfire conditions can be accessed at the <u>ODF Wildfire Blog</u>.

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Compared to this time last year -



Website: http://www.wrcc.dri.edu/wwdt/index.php?folder=mdn1

PRISM > Temperature Anomaly 1 Month > Oregon



Oregon - Mean Temperature

Website: http://www.wrcc.dri.edu/wwdt/index.php?folder=pon1

PRISM > Precipitation Anomaly 1 Month > Oregon



WestWide Drought Tracker, U Idaho/WRCC Data Source: PRISM (Prelim), created 16 OCT 2017

October - December – Follow link for the latest information.

Website: http://www.cpc.ncep.noaa.gov/products/predictions/long_range/seasonal.php?lead=1



Website:

http://www.hydro.washington.edu/forecast/monitor/curr/conus.mexico/west.vic.sm_qnt.gif





Website: http://droughtmonitor.unl.edu/CurrentMap/StateDroughtMonitor.aspx?OR

U.S. Drought Monitor Oregon

October 24, 2017

(Released Thursday, Oct. 26, 2017) Valid 8 a.m. EDT



	Drought Conditions (Percent Area)						
	None	D0-D4	D1-D4	D2-D4	D3-D4	D4	
Current	59.56	40.44	0.00	0.00	0.00	0.00	
Last Week 10-17-2017	39.30	60.70	0.00	0.00	0.00	0.00	
3 Month s Ågo 07-25-2017	66.40	33.60	0.00	0.00	0.00	0.00	
Start of Calendar Year 01-03-2017	65.31	34.69	5.29	0.00	0.00	0.00	
Start of Water Year 09-26-2017	39.23	60.77	28.57	0.00	0.00	0.00	
One Year Ago 10-25-2016	52.91	47.09	28.96	2,63	0.00	0.00	

Intensity:

D0 Abnormally Dry D1 Moderate Drought D2 Severe Drought



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

Author:

Eric Luebehusen U.S. Department of Agriculture



http://droughtmonitor.unl.edu/

Compared to this time last year:



U.S. Drought Monitor

Oregon

ed Thursday, Nov. 3, 2016) Valid 8 a.m. EDT None 58.44 43.56 27.07 2.63 0.00 Current Last Week 52 91 47.09 28.98 2.63 0.00 Month's Age 0.00 100.00 49.75 0.00 0.00 0.00 Start of alend ar Year 14.52 85.48 80.45 85.33 39.55 0.00 Start of Water Year \$27.0014 0.00 100.00 50.59 12.30 0.00 0.00 me Year Ago 0.00 100.00 100.00 01.57 60.68 0.00 Intensity. bû Aonamaey Dry Di Aonam e Drought Di Moderae Drought Di Moderae Drought

November 1, 2016

D2 Seven Drought The Drought Monitor focuses on broad-scale conditiona Local conditions may vary. See accompanying text sum for forecast statements. Author: Deborah Bathke National Drought Miligation Center

Year USDA http://droughtmonitor.unl.edu/



Streamflow Conditions – Mid Coast





Streamflow Conditions – Grande Ronde



Statewide Storage Conditions

