

Oregon

Water Conditions Report

November 27, 2017



Measureable snow water equivalent (SWE) is being monitored statewide; with amounts generally under 8 inches of water, with most of the snow at higher elevations. Much of the earlier snow accumulations at lower elevations have melted with recent warmer temperatures statewide. This early in the snow accumulation season, specific trends or anomalies in snowpack are not readily apparent as of this date.

Oregon statewide precipitation at NRCS SNOTEL sites is 135 percent of normal, with the drier regions located in east central Oregon (John Day basin at 120 percent, and Harney basin at 118 percent).

Temperatures in the [past two weeks](#) have been warmer than normal. Most of Oregon has seen a trend of warmer than normal temperatures, especially in eastern and central Oregon. Over the next [8 to 14 days](#), the NOAA Climate Prediction Center is forecasting an increased probability of below normal temperatures along with below normal precipitation across the state.

The NOAA Climate Prediction Center's most recent [three month outlook](#) indicates an increased likelihood of below normal temperatures in the northwest half of the state with equal chances of above or below normal temperatures for the rest of the state. The precipitation outlook is for an increased likelihood above normal precipitation in the northeast half of the state with equal chances of above or below normal precipitation for the rest of the state. The next outlook will be issued on December 21, 2017.

La Niña conditions are predicted to continue (~65-75 percent chance) at least through the Northern Hemisphere winter 2017-18. The Climate Prediction Center has recently issued a [La Niña Watch](#) for the upcoming 2017-18 fall-winter season. The [diagnostic discussion](#) issued on November 9 provides more detail. For the latest discussion on the coming winter outlook, refer to the [ENSO blog](#) 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 December 14, 2017.

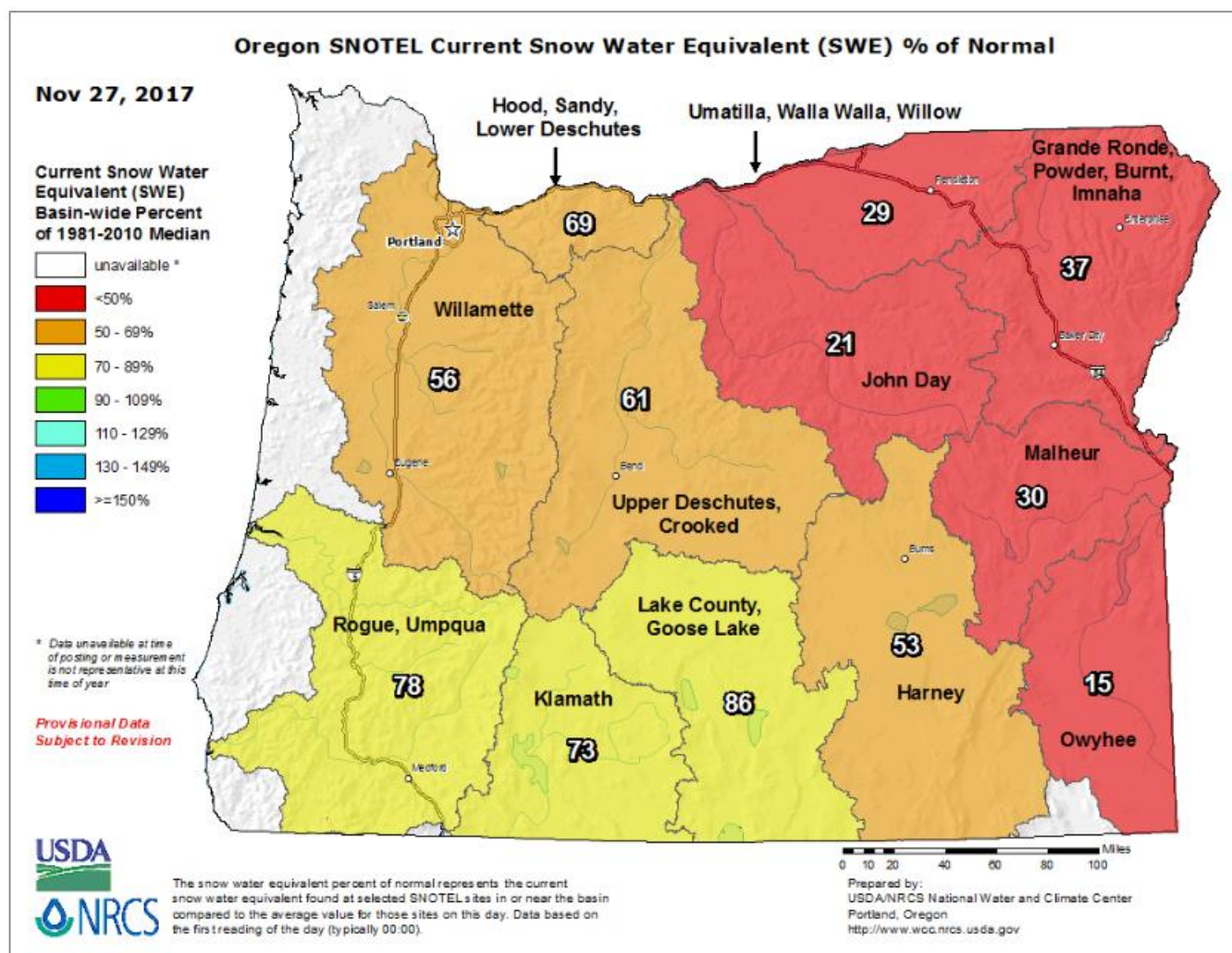
Statewide streamflows for November were over 110 percent of normal. While there are a few days remaining this month, flows will likely still end up well below the 155 percent seen for the month of October. Regionally for November, streamflow conditions were 120 percent west of the Cascades and 106 percent east of the Cascades.

Most of the state's water supply reservoirs are at normal levels for this time of year. [Willamette](#) and [Rogue](#) project reservoirs remain on track this fall. [Central Oregon](#) reservoirs are between 43 and 88 percent of capacity. [Eastern Oregon](#) reservoirs continue to hover between 28 and 61 percent of capacity. Most if not all water supply reservoir operators are now preparing for the coming storage season. For the most recent near real-time, site-specific reservoir conditions (teacup diagrams) visit the [USBR](#) or [USACE](#) websites.

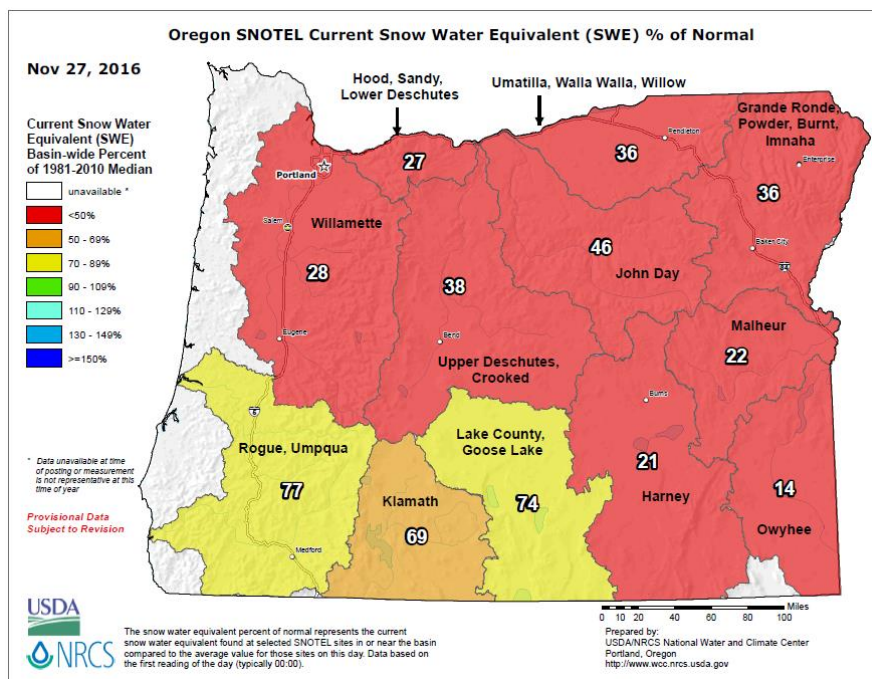
The [US Drought Monitor](#) now indicates that Oregon is no longer listed in any drought category.

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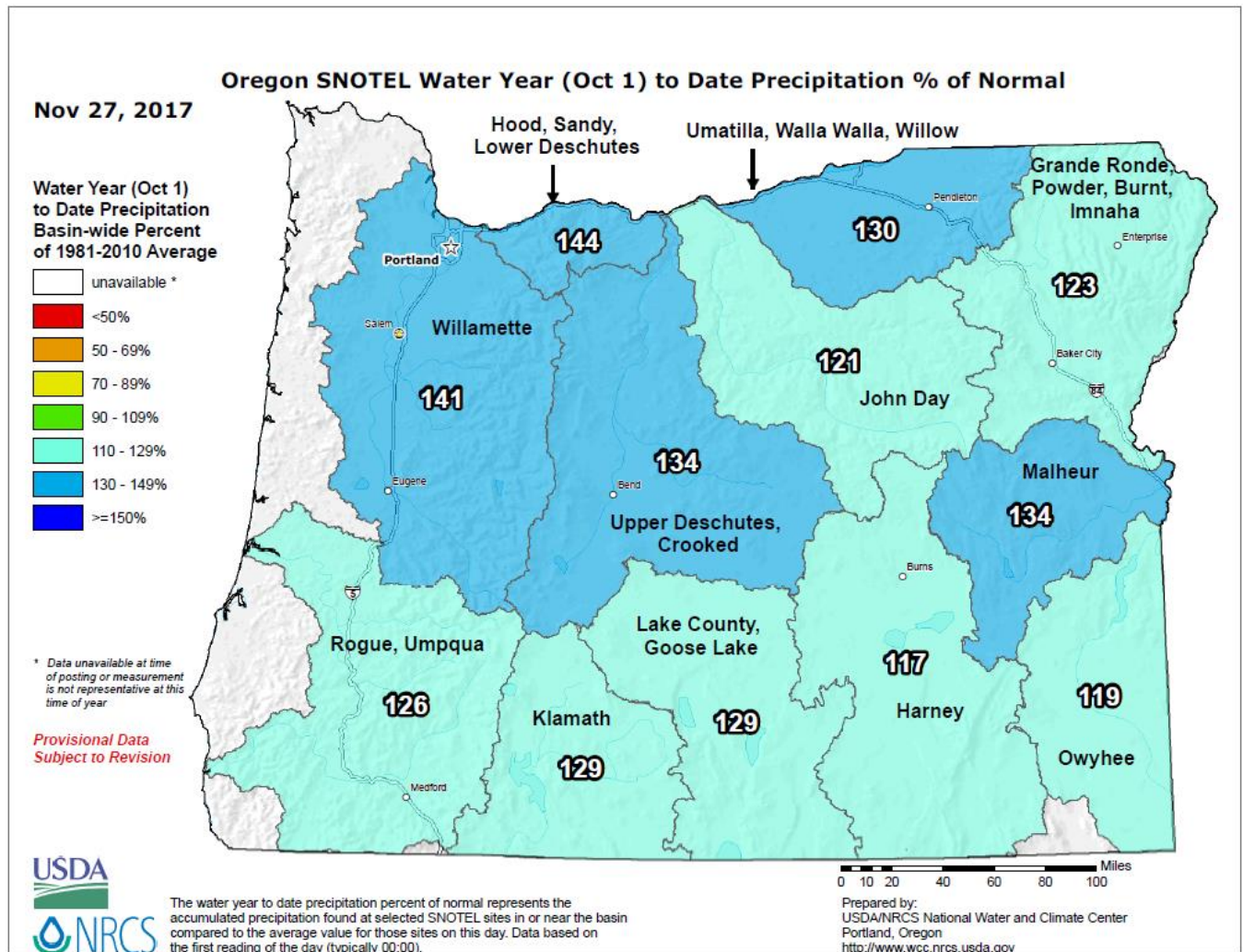
Snow Water Equivalent – Percent of Normal



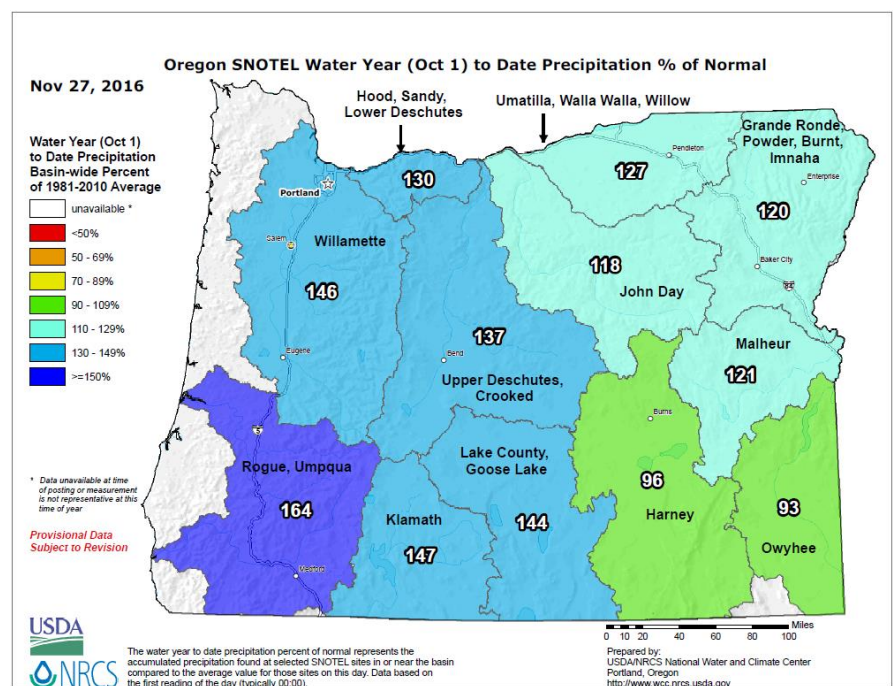
Compared to this time
last year -



Precipitation (mountain) - Percent of Normal



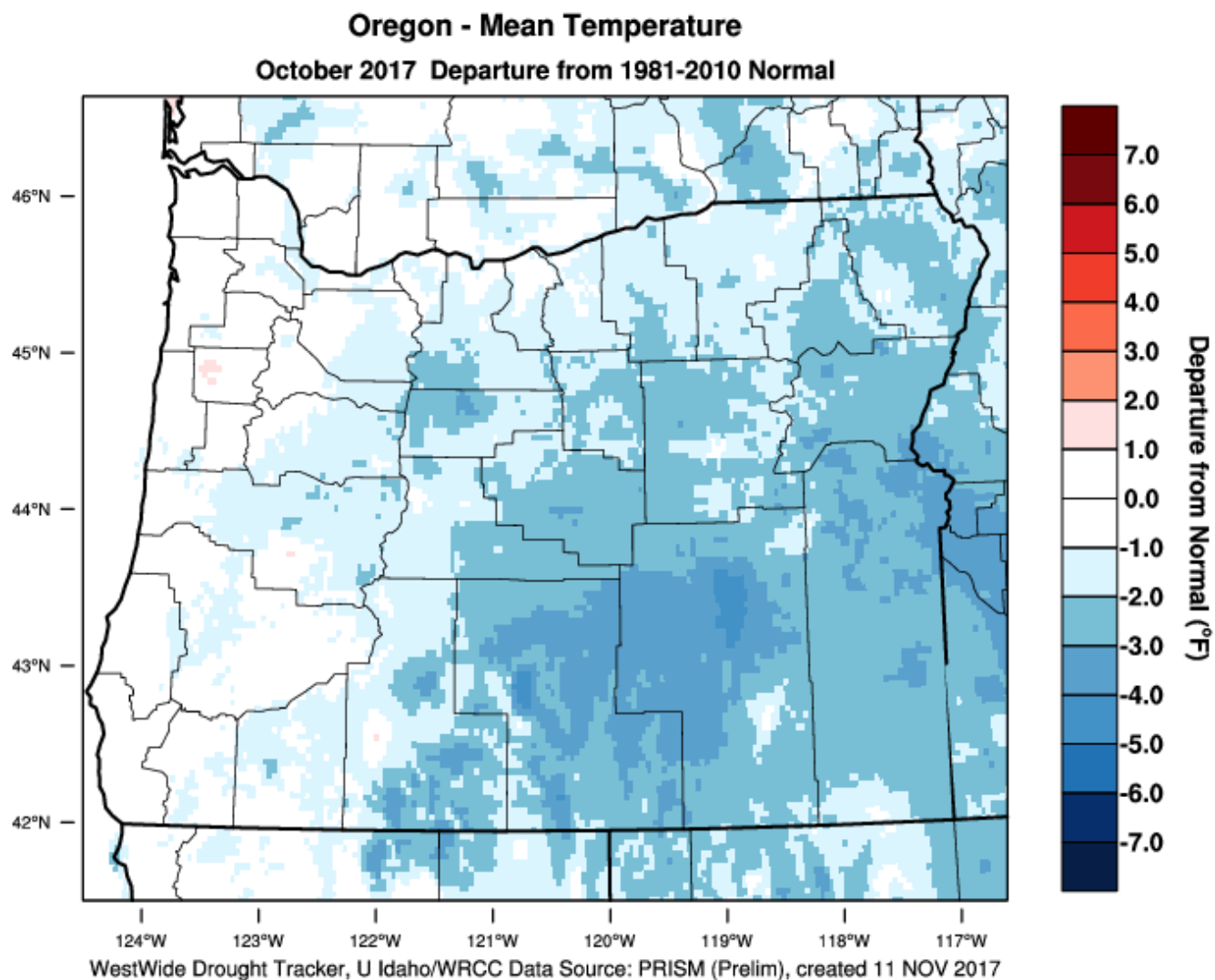
Compared to this time
last year -



Temperature – (1 Month) Departure from Normal

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

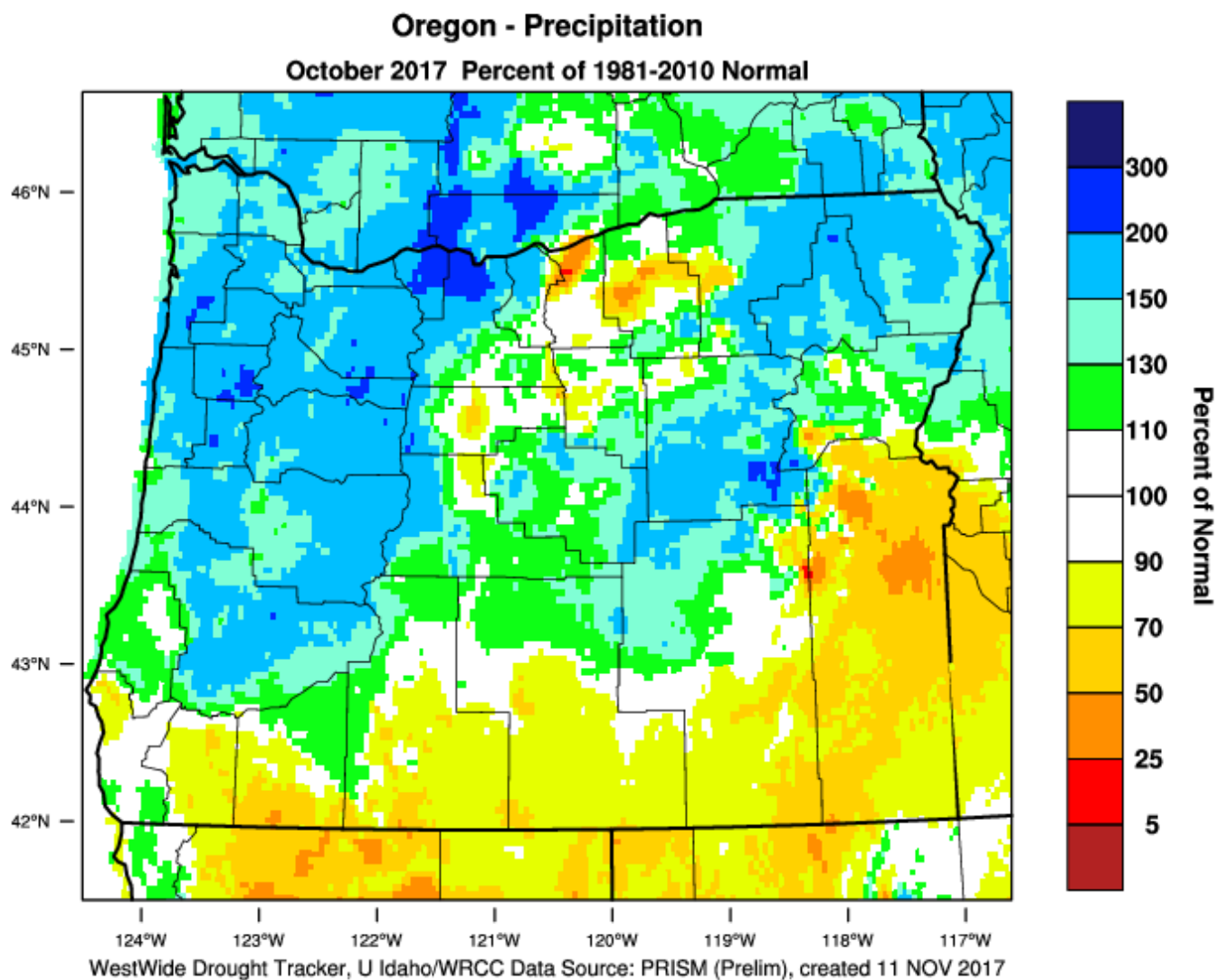
PRISM > Temperature Anomaly 1 Month > Oregon



Precipitation – (1 Month) Percent of Normal

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

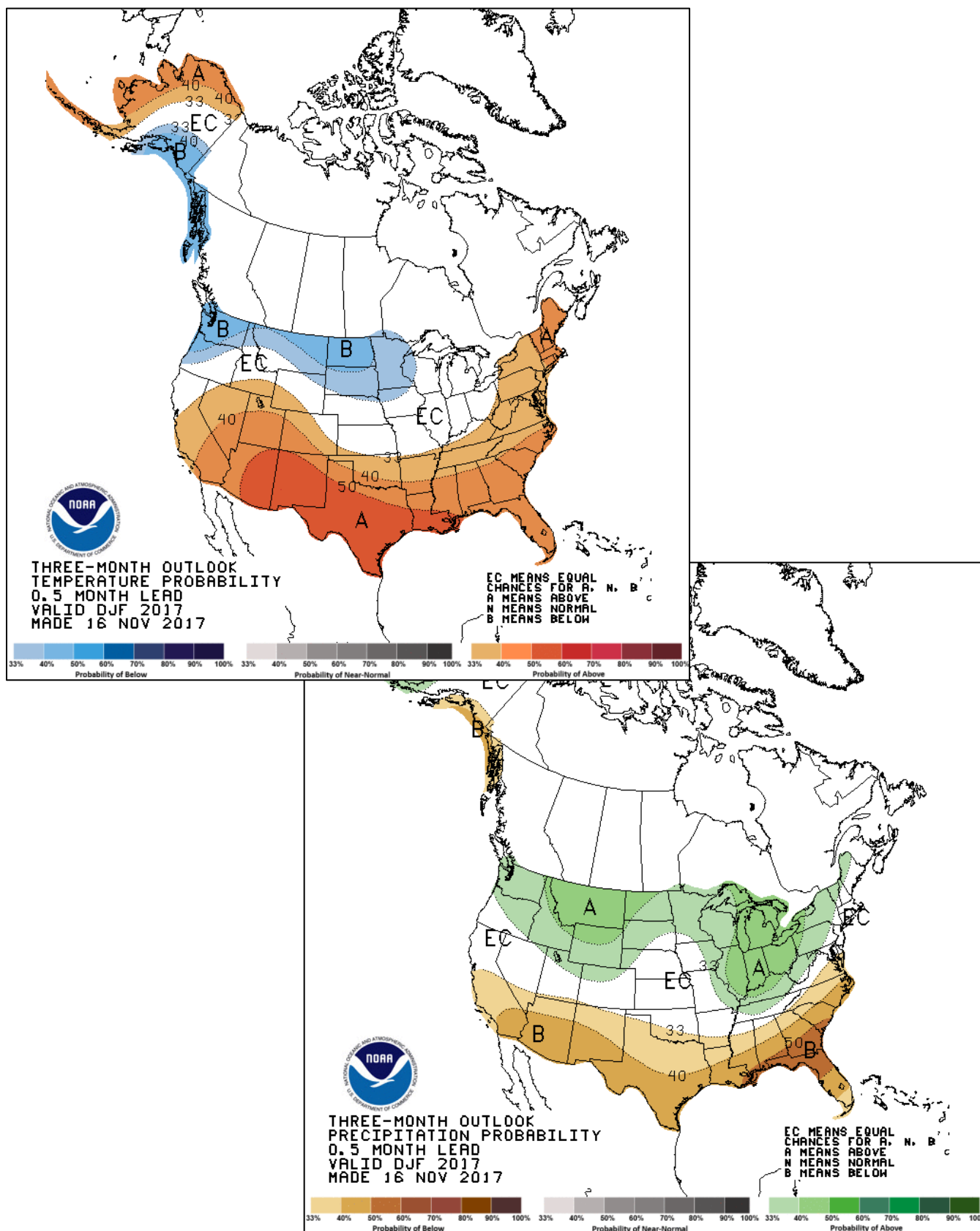
PRISM > Precipitation Anomaly 1 Month > Oregon



Three Month Temperature and Precipitation Outlook

December – February Follow link for the latest information.

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

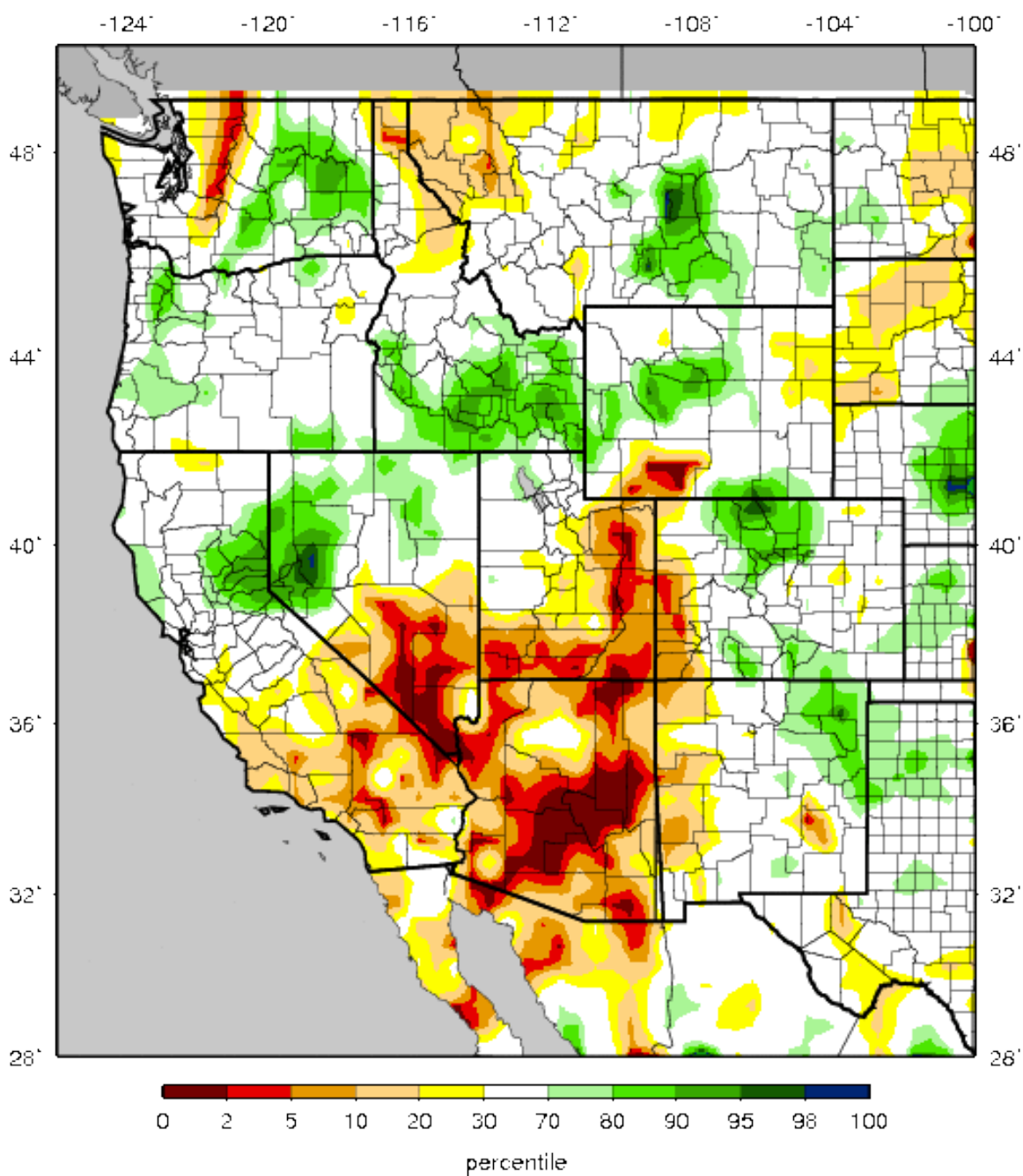


Soil Moisture - Percentile

Website:

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

VIC Soil Moisture Percentiles (wrt/ 1916-2004)
Western United States - 20171125

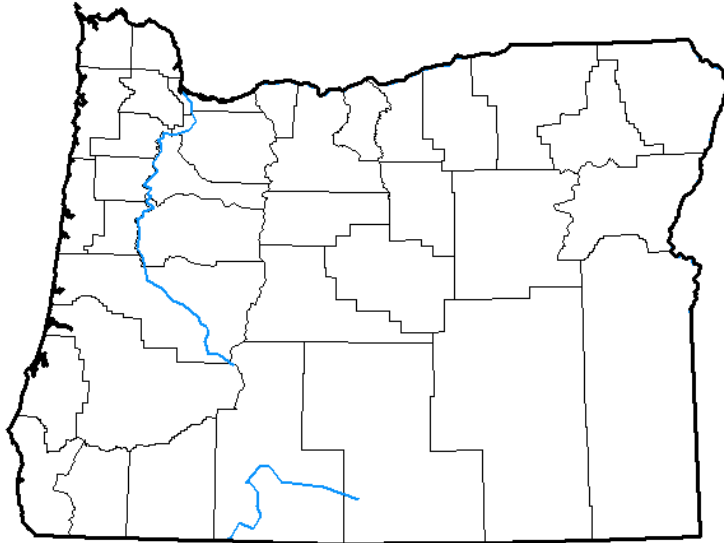


U.S. Drought Monitor for Oregon

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

U.S. Drought Monitor Oregon

November 21, 2017
(Released Wednesday, Nov. 22, 2017)
Valid 7 a.m. EST



Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	100.00	0.00	0.00	0.00	0.00	0.00
Last Week 11-14-2017	88.18	11.82	0.00	0.00	0.00	0.00
3 Months Ago 08-22-2017	41.52	58.48	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 11-22-2016	56.44	43.56	23.22	2.63	0.00	0.00

Intensity:

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

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

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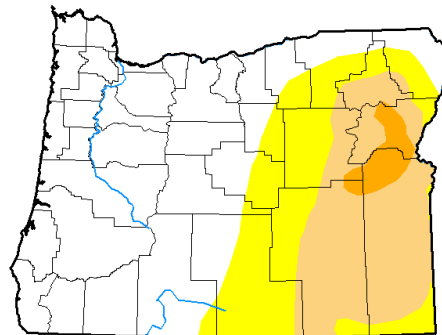


<http://droughtmonitor.unl.edu/>

Compared to this time last year:

U.S. Drought Monitor Oregon

November 29, 2016
(Released Thursday, Dec. 1, 2016)
Valid 7 a.m. EST



Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	56.44	43.56	23.22	2.63	0.00	0.00
Last Week 11-22-2016	56.44	43.56	23.22	2.63	0.00	0.00
3 Months Ago 09-30-2016	0.00	100.00	50.21	12.03	0.00	0.00
Start of Calendar Year 12-29-2016	14.52	85.48	80.45	65.33	39.55	0.00
Start of Water Year 09-27-2016	0.00	100.00	50.59	12.30	0.00	0.00
One Year Ago 12-01-2015	0.71	99.29	96.01	90.37	60.62	0.00

Intensity:

D0 Abnormally Dry
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 D2 Severe Drought

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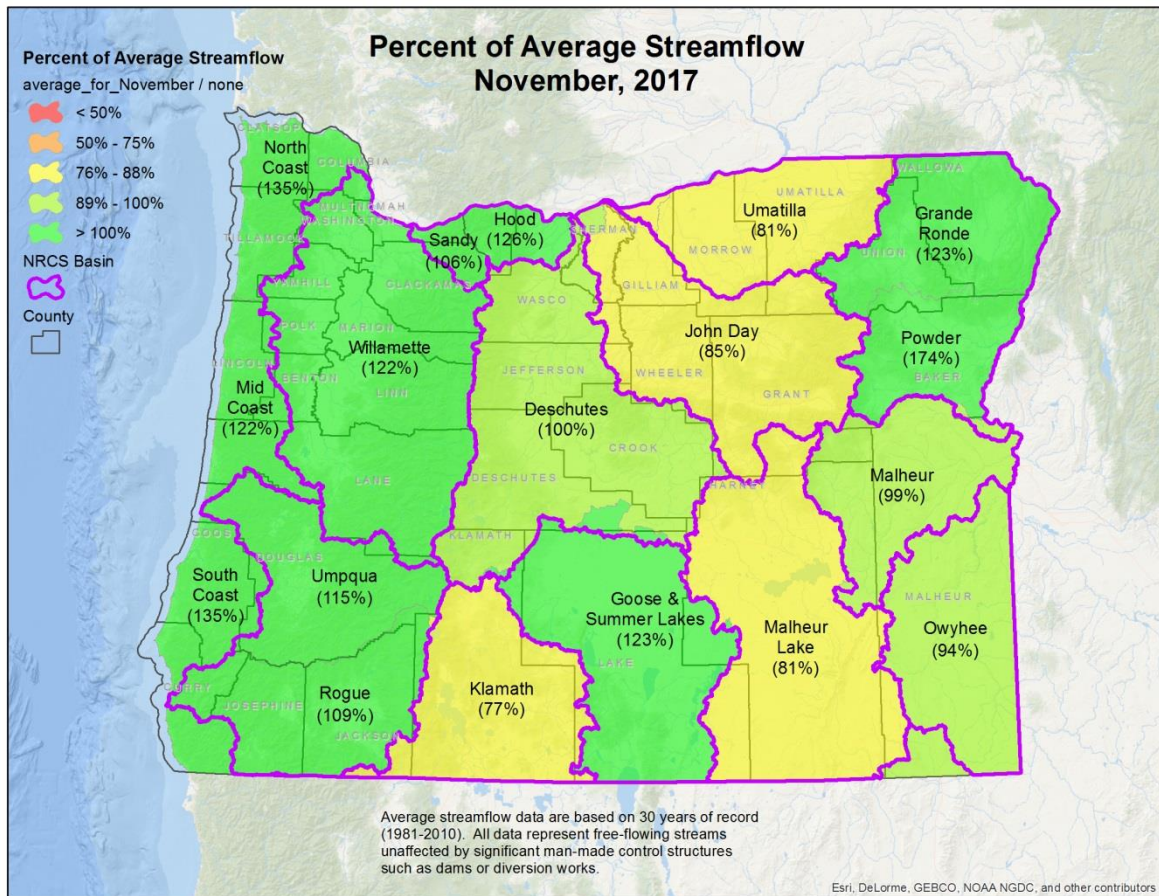
Author:

Richard Heim
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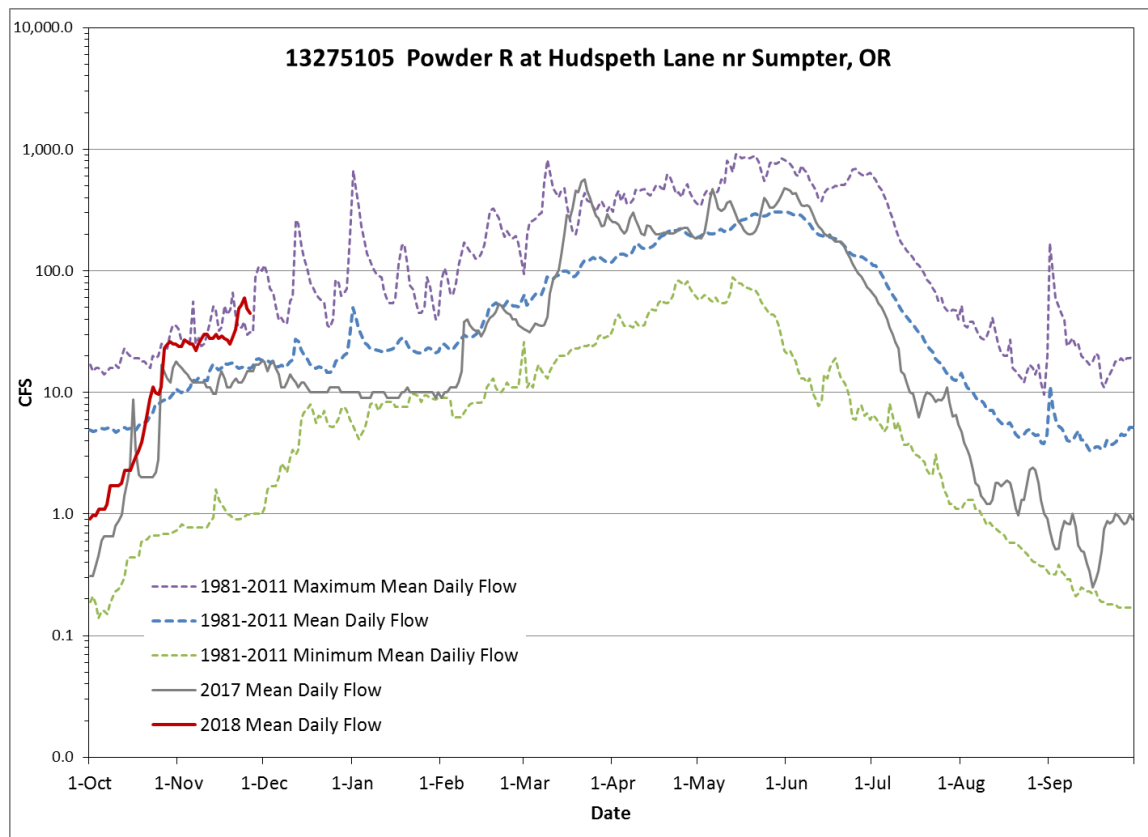


<http://droughtmonitor.unl.edu/>

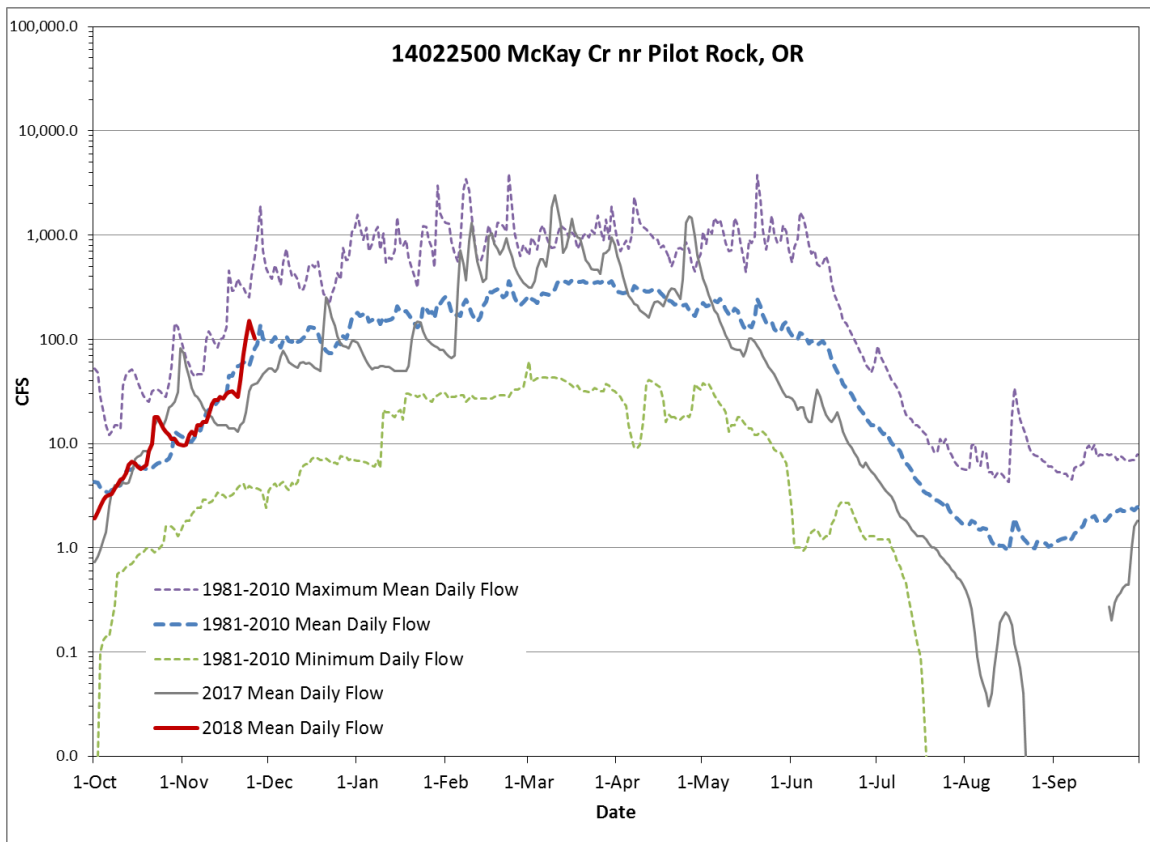
Statewide Streamflow Conditions - November



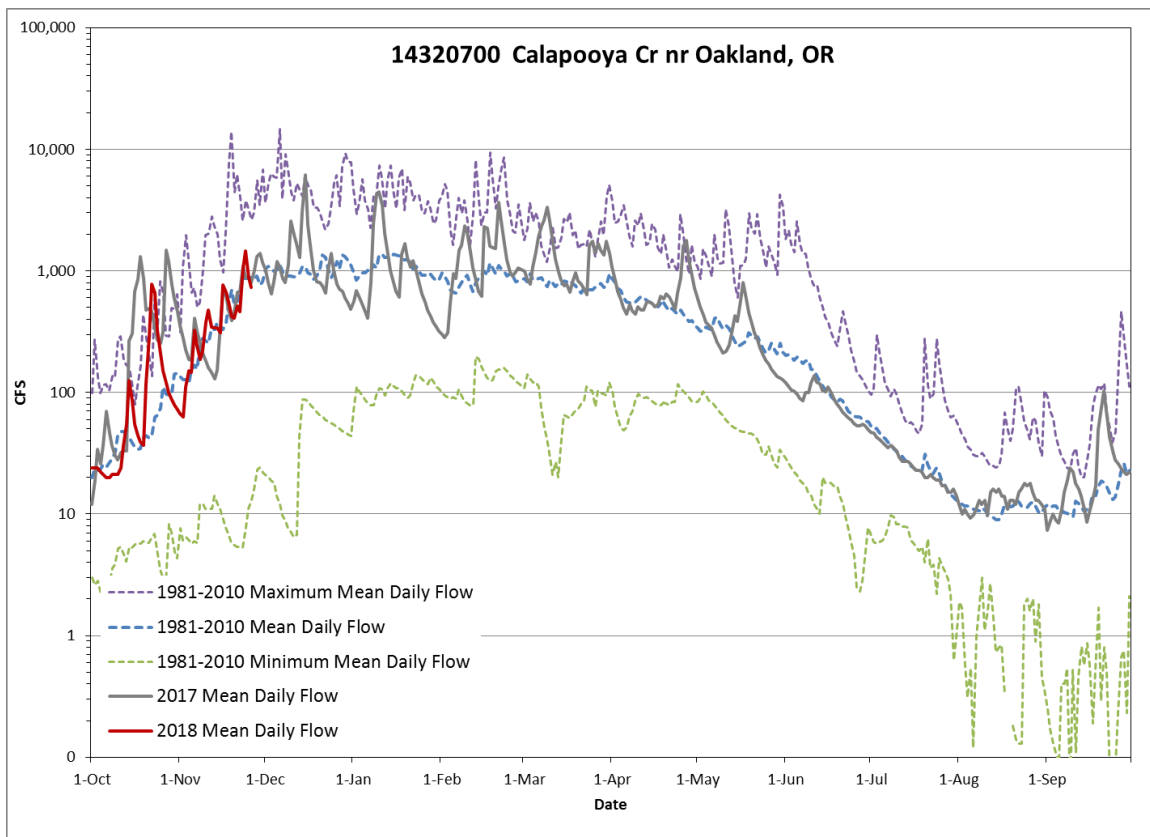
Streamflow Conditions – Powder



Streamflow Conditions – Umatilla



Streamflow Conditions – Umpqua



Statewide Storage Conditions

