

Oregon

Water Conditions Report

November 13, 2017



Where measureable, snow water equivalent (SWE) is being monitored across the state. However, total amounts are generally less than 7 inches of water. The current forecast is calling for additional snow accumulations above 4000 feet through the next 7 days.

Oregon statewide precipitation at NRCS SNOTEL sites is 135 percent of normal.

With the drier regions located in southwest Oregon (Rogue/Umpqua basins at 116 percent) and southeast Oregon (Owyhee basin at 96 percent).

Temperatures in the [past two weeks](#) have been varied across the state. Central Oregon has seen a trend of much cooler than normal temperatures while the rest of the state has been a mix of normal to slightly above normal temperatures. Over the next [8 to 14 days](#), the NOAA Climate Prediction Center is forecasting an increased probability of above normal temperatures as well as above normal temperatures across Oregon.

The NOAA Climate Prediction Center's most recent [three month outlook](#) 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 all but the northeastern corner of Oregon. The next outlook will be issued on November 16, 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 October were over 155 percent of normal. This is up considerably from 92 percent for the month of September. Regionally streamflow conditions were more than 200 percent west of the Cascades and almost 123 percent east of the Cascades. As of November 10, streamflows were at 140 percent statewide; 180 percent on the west side and 120 percent east of the Cascades.

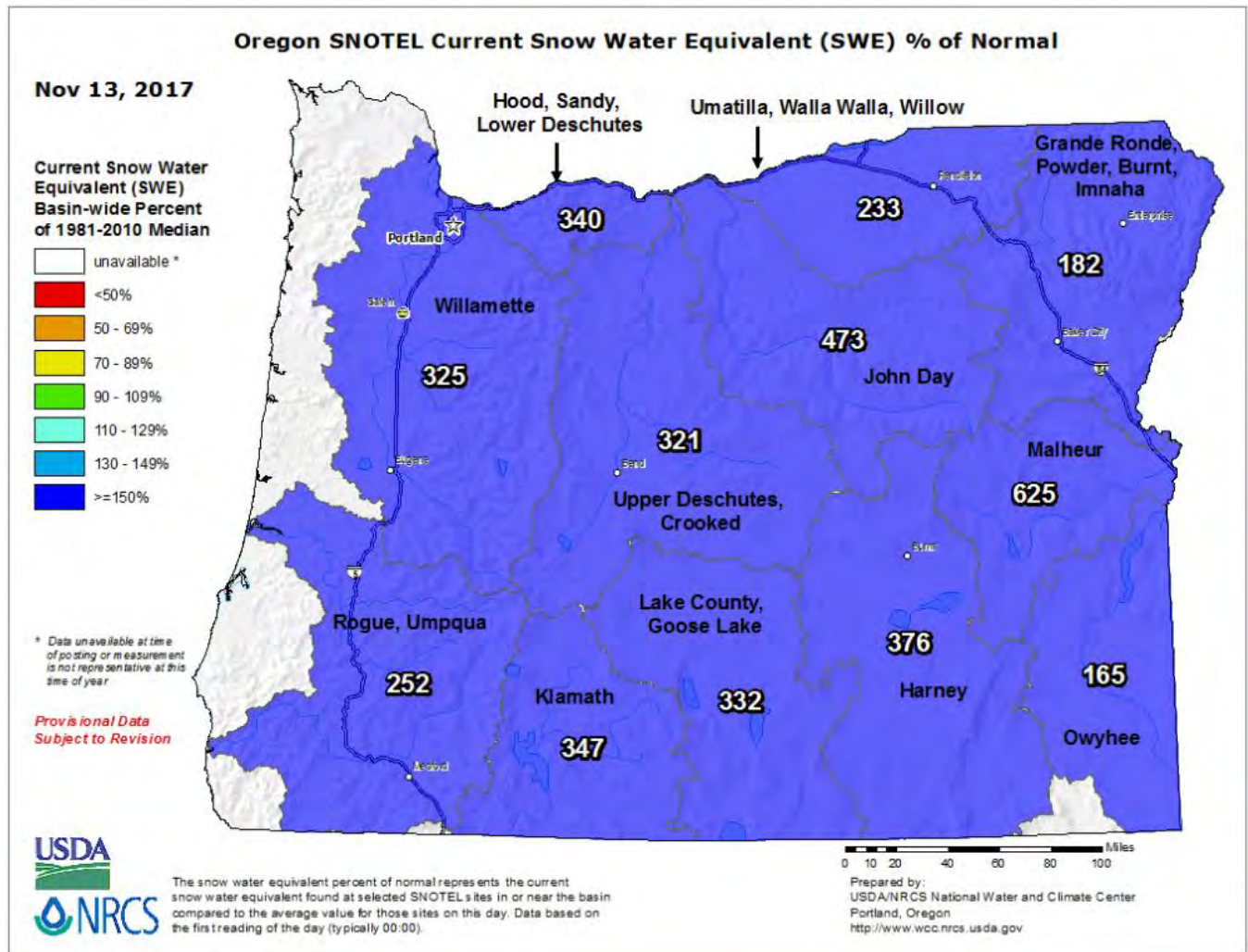
Most of the state’s water supply reservoirs are at normal levels for this time of year. [Willamette](#) and [Rogue](#) project reservoirs remain on track this fall. Minimum streamflow targets are projected to be met for the rest of the season. [Central Oregon](#) reservoirs are between 43 and 84 percent of capacity. [Eastern Oregon](#) reservoirs continue to hover between 23 and 60 percent of capacity. Most are ramping down releases of stored water for the 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 40 percent of Oregon is categorized as “abnormally dry”. The remaining 60 percent of the state is no longer listed in any drought category.

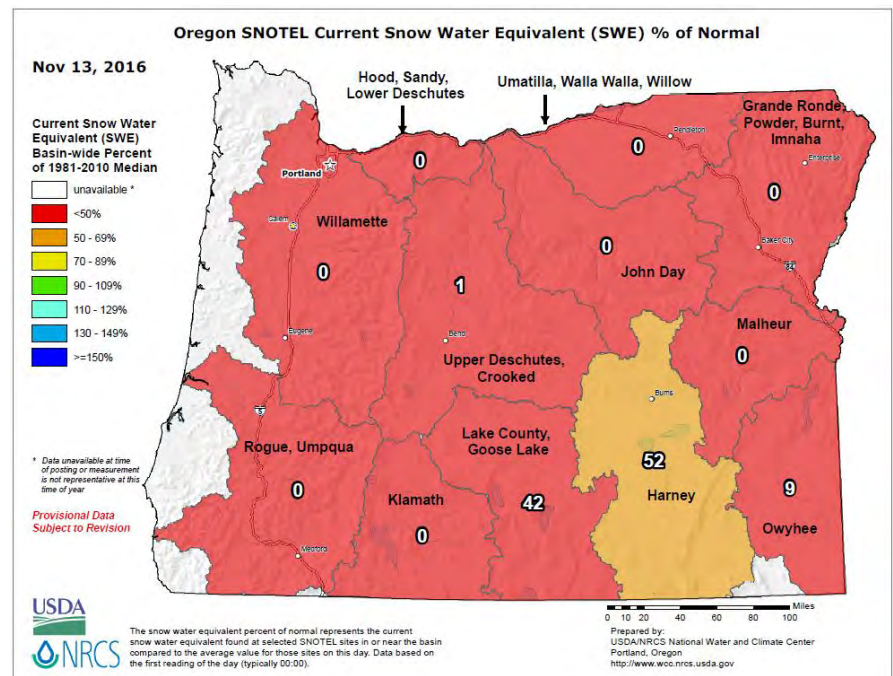
Fire season on Oregon Department of Forestry-protected land has officially ended as cooler temperatures and moister conditions have settled over much of the state. For the most up-to-date information on fire potential, the Oregon Department of Forestry’s [Significant Fire Potential](#) map provides the latest detail.

Data & Products:	Page:
Snow Water Equivalent – Percent of Normal	3
Precipitation (mountain) - Percent of Normal	4
Temperature – (1 Month) Departure from Normal	5
Precipitation – (1 Month) Percent of Normal	6
Three Month Temperature and Precipitation Outlook	7
Soil Moisture - Percentile	8
U.S. Drought Monitor for Oregon	9
Statewide Streamflow Conditions - October	10
Streamflow Conditions – South Coast.....	10
Streamflow Conditions – Umatilla	11
Streamflow Conditions – Owyhee	11
Statewide Storage Conditions	12

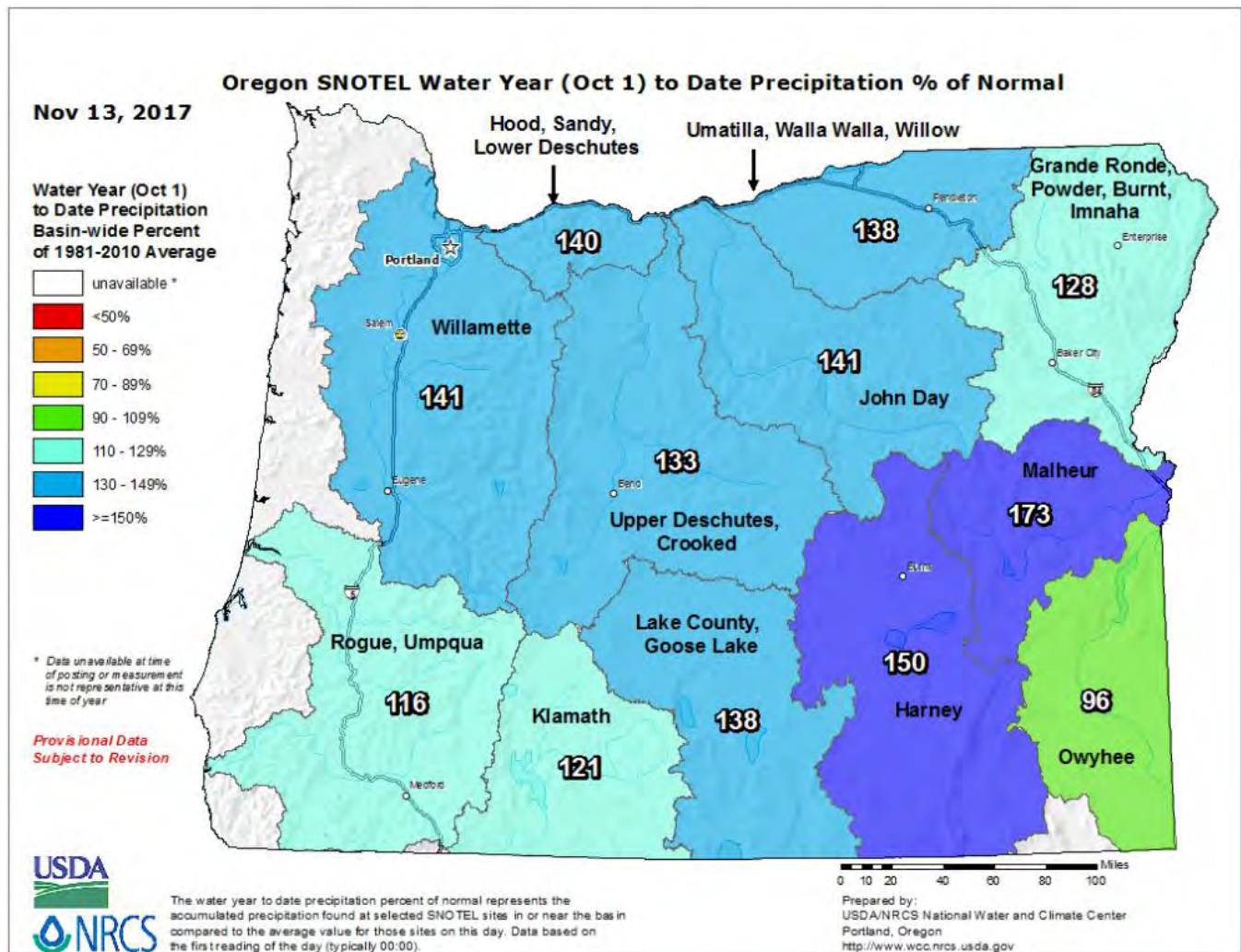
Snow Water Equivalent – Percent of Normal



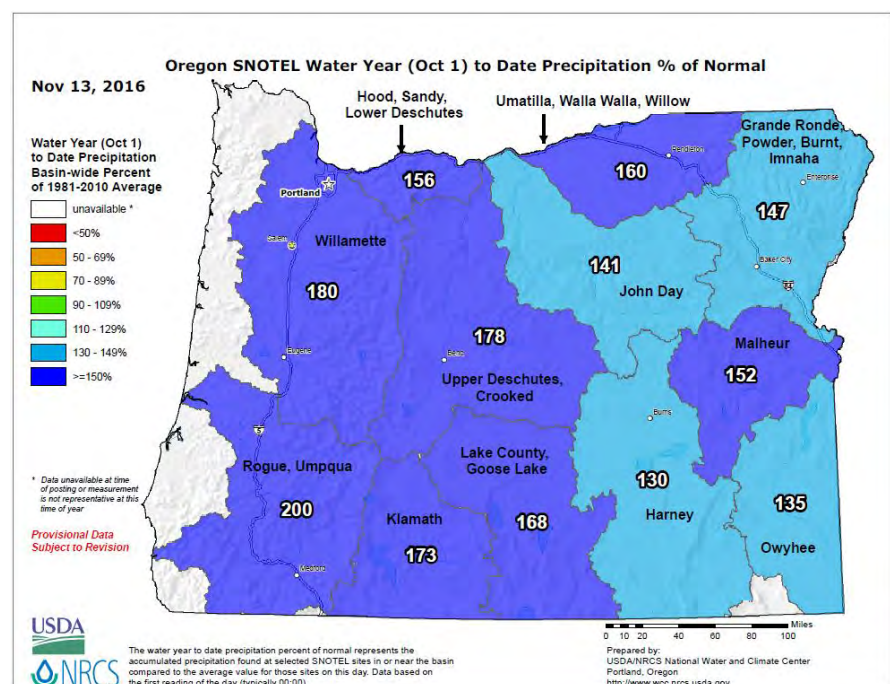
Compared to this time last year -



Precipitation (mountain) - Percent of Normal



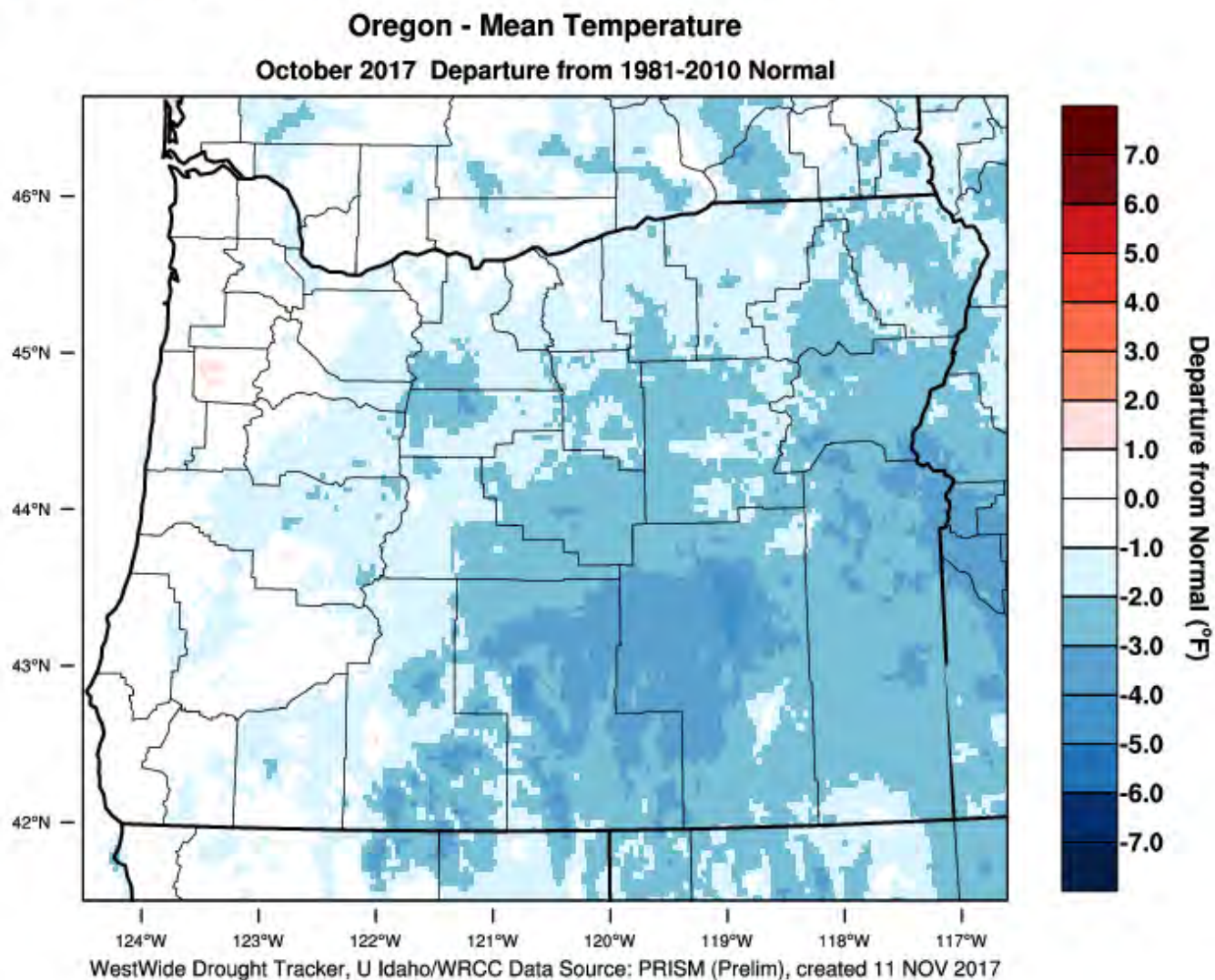
Compared to this time
last year -



Temperature – (1 Month) Departure from Normal

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

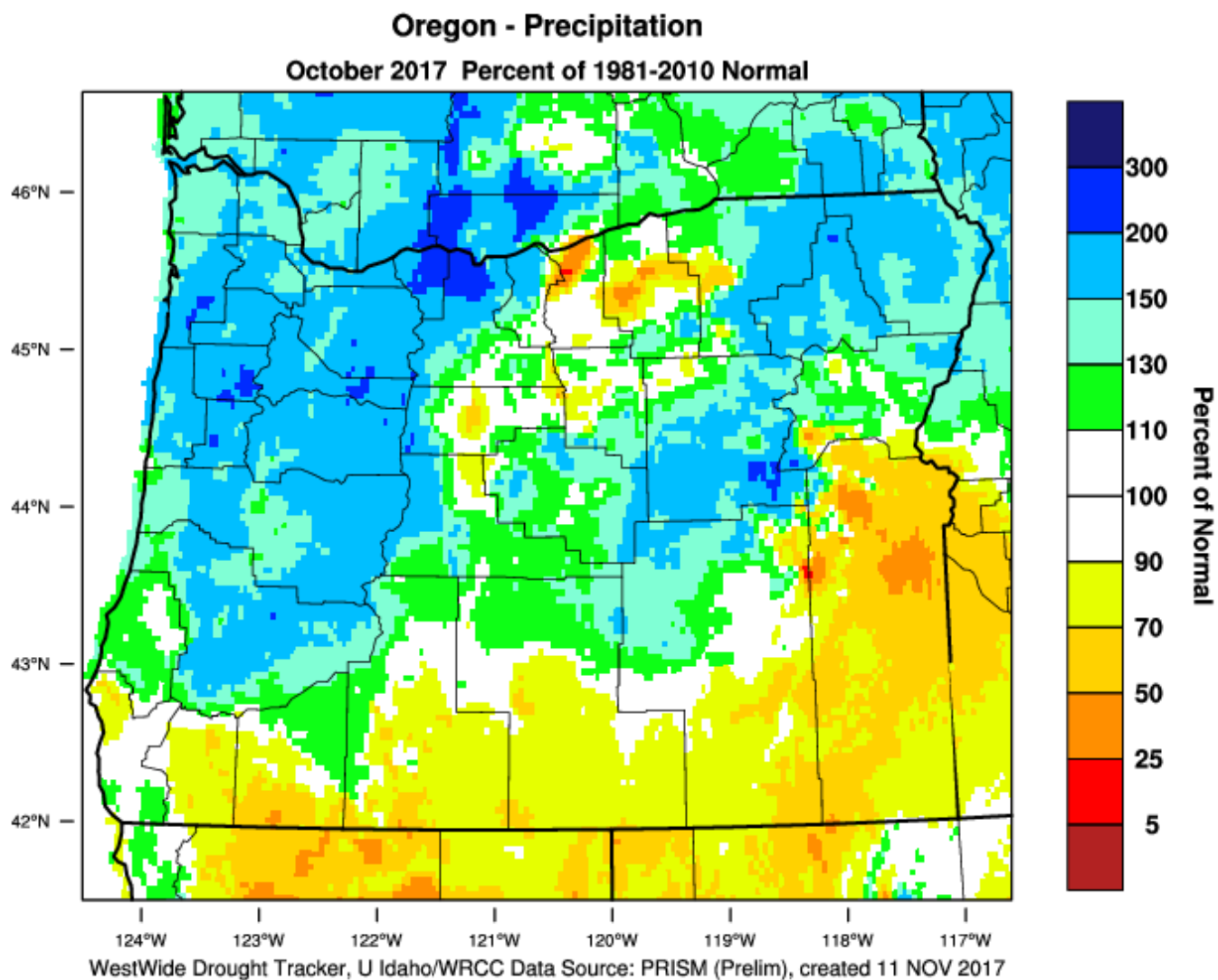
PRISM > Temperature Anomaly 1 Month > Oregon



Precipitation – (1 Month) Percent of Normal

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

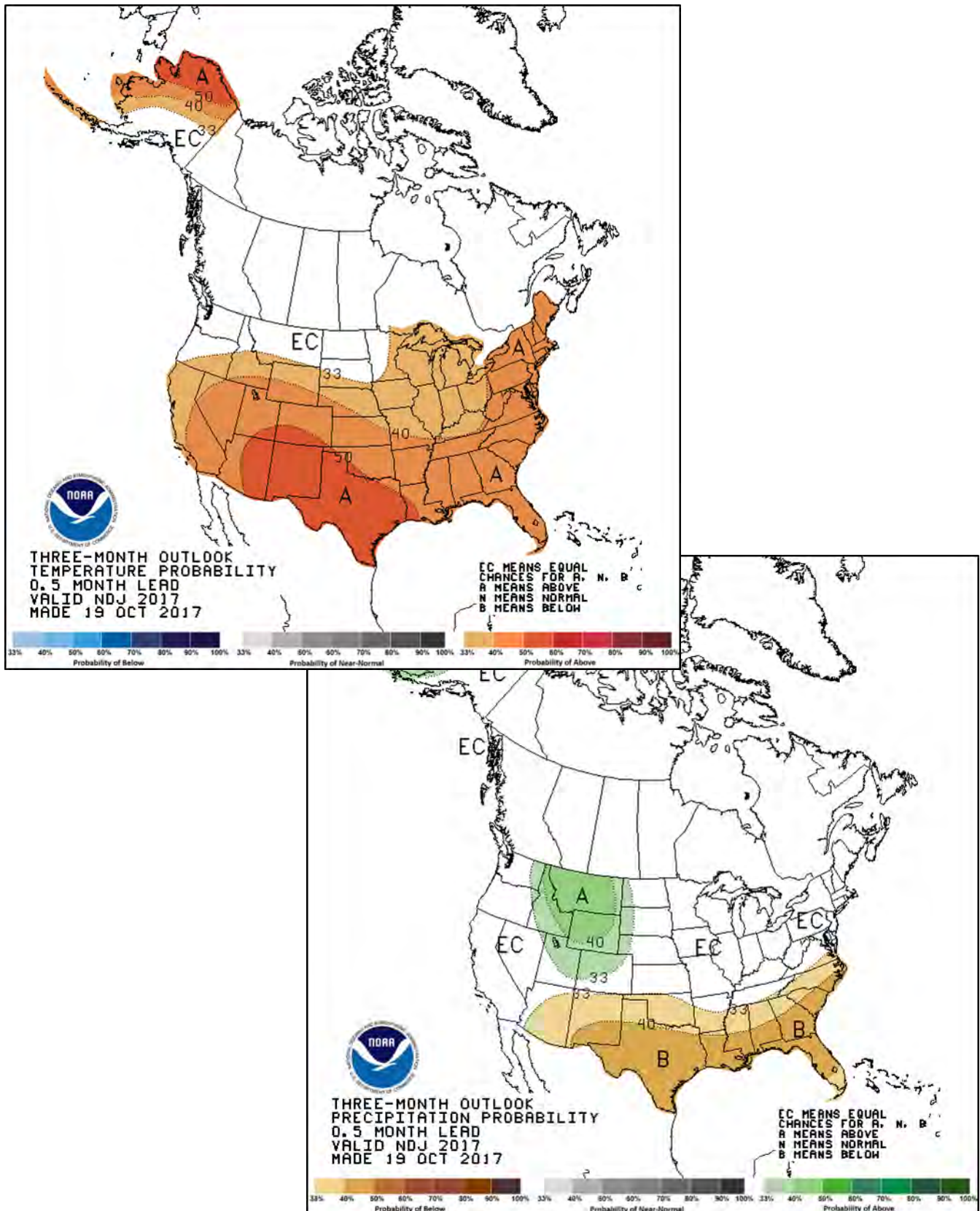
PRISM > Precipitation Anomaly 1 Month > Oregon



Three Month Temperature and Precipitation Outlook

October - December – Follow link for the latest information.

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



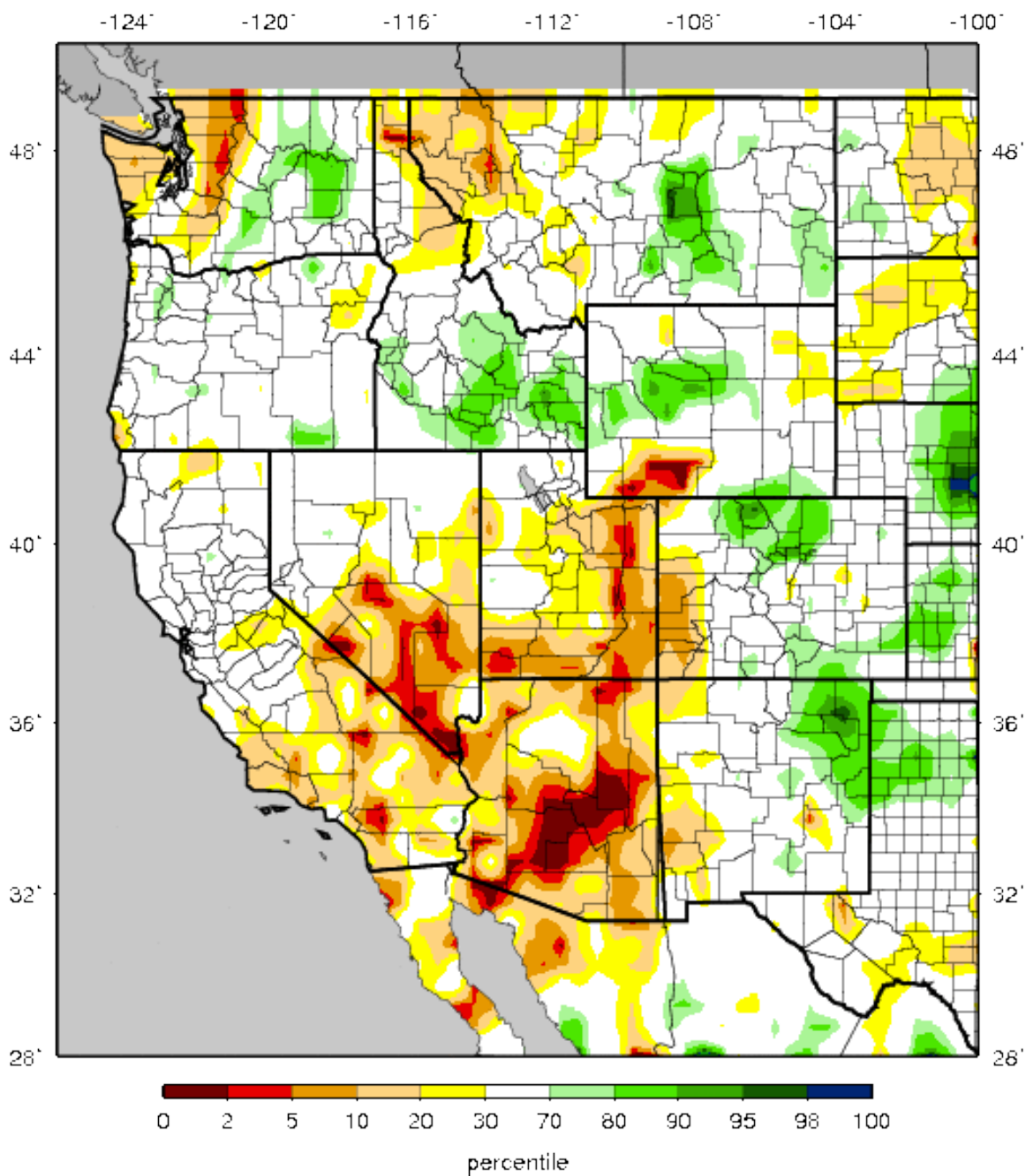
Soil Moisture - Percentile

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 - 20171111

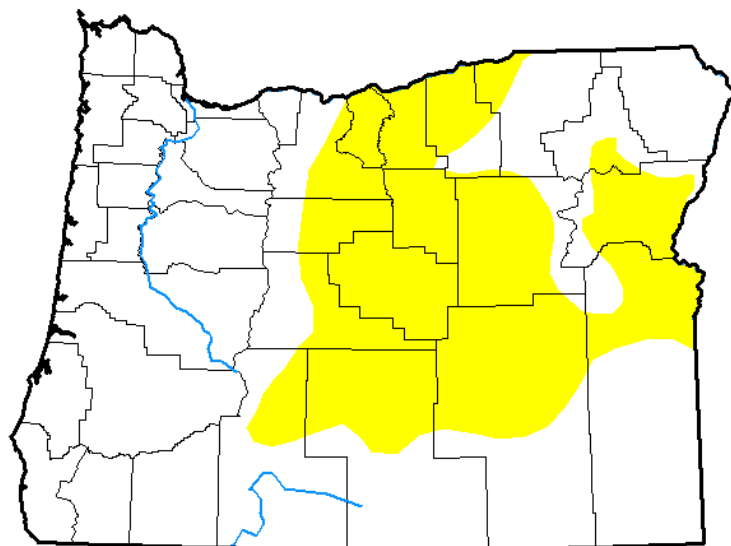


U.S. Drought Monitor for Oregon

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

U.S. Drought Monitor Oregon

November 7, 2017
(Released Thursday, Nov. 9, 2017)
Valid 7 a.m. EST



Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	67.05	32.95	0.00	0.00	0.00	0.00
Last Week 10-31-2017	59.56	40.44	0.00	0.00	0.00	0.00
3 Months Ago 08-08-2017	44.70	55.30	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 11-08-2016	56.44	43.56	23.22	2.63	0.00	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:

David Miskus
NOAA/NWS/NCEP/CPC

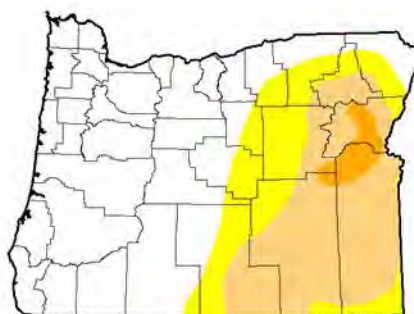


<http://droughtmonitor.unl.edu/>

Compared to this time last year:

U.S. Drought Monitor Oregon

November 1, 2016
(Released Thursday, Nov. 3, 2016)
Valid 8 a.m. EDT



Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	56.44	43.56	27.07	2.63	0.00	0.00
Last Week 10-25-2016	52.91	47.09	28.96	2.63	0.00	0.00
3 Months Ago 08-01-2016	0.00	100.00	49.75	0.00	0.00	0.00
Start of Calendar Year 01-04-2016	14.52	85.48	80.45	65.33	39.55	0.00
Start of Water Year 09-27-2016	0.00	100.00	90.59	12.30	0.00	0.00
One Year Ago 11-02-2015	0.00	100.00	100.00	91.57	60.88	0.00

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- D0 Abnormally Dry
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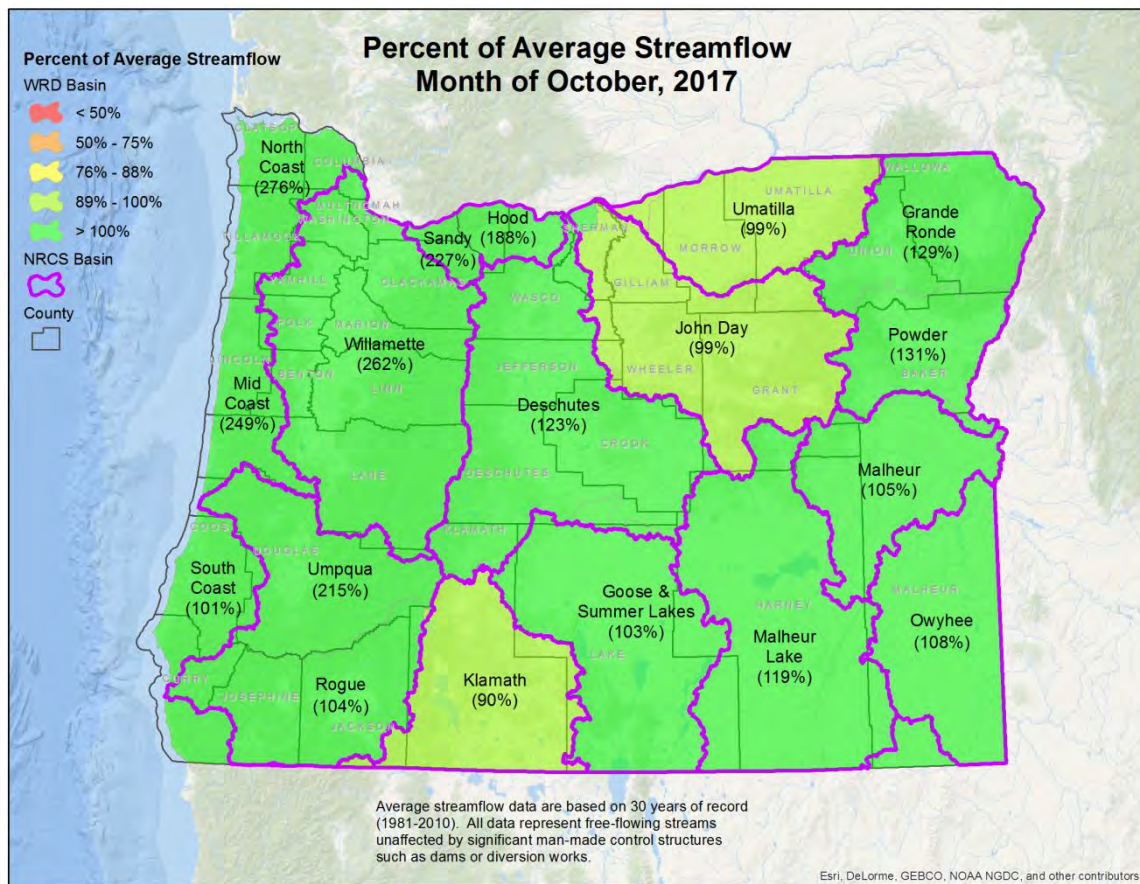
Author:

Deborah Bathke
National Drought Mitigation Center

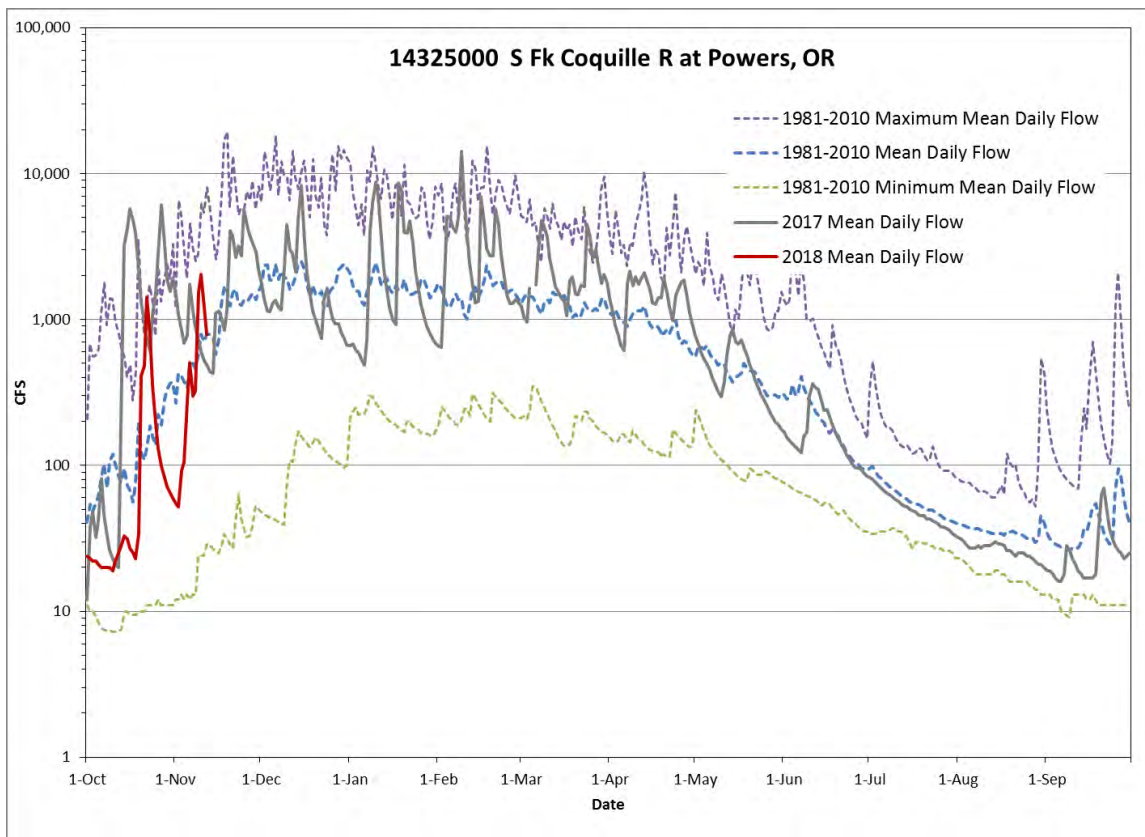


<http://droughtmonitor.unl.edu/>

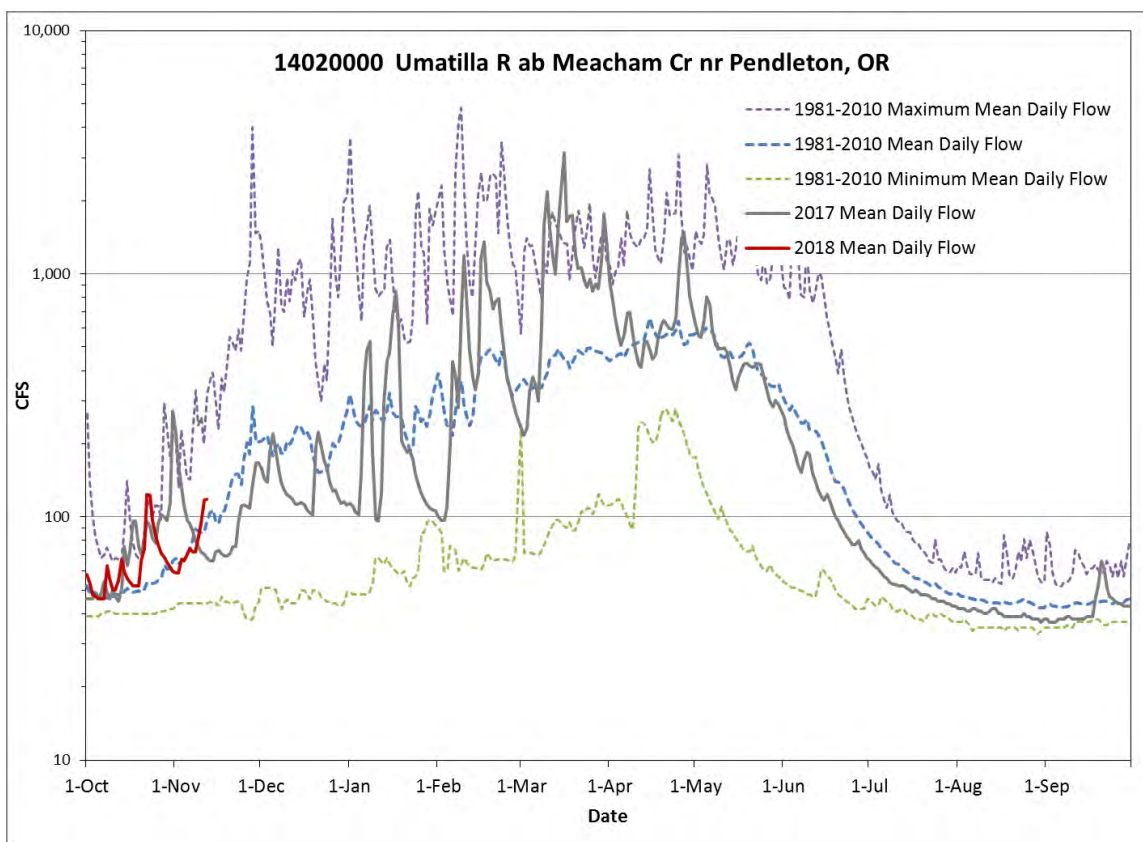
Statewide Streamflow Conditions - October



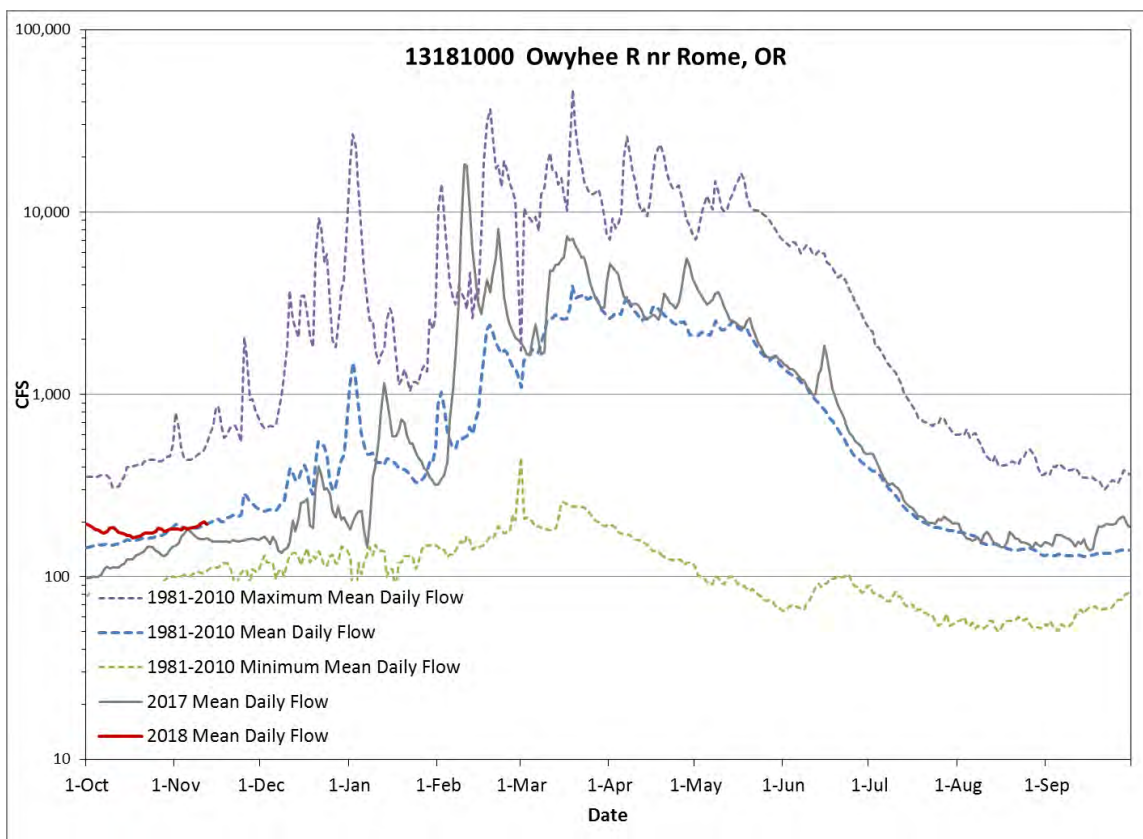
Streamflow Conditions – South Coast



Streamflow Conditions – Umatilla



Streamflow Conditions – Owyhee



Statewide Storage Conditions

