

Oregon

Water Conditions Report

August 27, 2018



Temperatures over the [past week](#) have cooled somewhat across much of Oregon.

The exceptions were eastern and southwestern regions of the state where temperatures were up to three degrees warmer than normal. In the [past two weeks](#) temperatures have been generally warmer than normal. In the [past 30 days](#) temperatures have been much warmer than normal.

Oregon statewide water year precipitation at NRCS SNOTEL sites is holding at 86 percent of normal. The highest amounts of water year precipitation are currently in the Umatilla, Walla Walla, and Willow basins with 101 percent. The lowest values are in the Rogue/Umpqua and Harney basins at 77 percent of normal for the water year.

Precipitation over the [past two weeks](#) has been below normal for most of the state.

Precipitation for the [month of July](#) was well below normal, in some areas as low as 5 percent of normal.

Over the next [8 to 14 days](#), the NOAA Climate Prediction Center is forecasting an increased probability of above-normal temperatures across southern Oregon. The outlook for the rest of the state is for an equal chance of above or below normal temperatures. The precipitation outlook is for below normal precipitation across the state. The most recent [three month outlook](#) indicates increased chances of above-normal temperatures statewide. The precipitation outlook calls for an increased probability of below-normal precipitation for all but the southeast corner of the state where the outlook calls for an equal chance of above or below normal precipitation. The next long-term outlook will be issued on September 20, 2018.

[ENSO](#)-Neutral conditions are expected to continue through the summer. There are increasing chances for El Niño conditions during the fall and winter. For more insight, refer to the August 9, 2018 [diagnostic discussion](#) issued by the Climate Prediction Center. For the latest discussion on the summer outlook, refer to the latest [ENSO blog](#) on the climate.gov website. The Climate Prediction Center will continue to provide updates on a regular updates. The next ENSO Diagnostics Discussion is scheduled for September 13, 2018.

Statewide streamflows for July were less than 50 percent of normal. This is up from the 40 percent seen for the month of June. Regionally for July, streamflow conditions were about 45 percent east of the Cascades and 50 percent to the west. More recent conditions indicate that flows are ranging from 30 percent in the John Day Basin to almost 80 percent in the South Coast.

[USACE Reservoirs:](#) [Rogue:](#) Lost Creek outflow continues to be maintained at over 2,000 cfs to support juvenile fish rearing needs. Currently the project is 54 percent full and 46 percent below rule curve while inflows are holding steady at around 1,140 cfs.

Applegate outflow continues to be approximately 275 cfs and currently the project is 45 percent full and 55 percent below rule curve.

[Willow Creek](#): Willow Creek inflow is ~6 cfs and outflow is 11 cfs. The project is currently 25 percent full and 75 percent below rule curve. The most recent irrigation demand is ~12 cfs.

[Willamette](#): The Willamette system continues to draft while augmenting mainstem flows. The project is currently 40 percent full and 60 percent below rule curve. The USACE continues to provide water temperature management below Detroit and Fall Creek. The flow at Albany is ~4,900 cfs and at Salem is ~6,600 cfs.

[USBR Reservoirs](#): The Northwest Hydromet System is not available at the time of publication. When available, follow these links for the latest information for the [Umatilla](#); [Tualatin](#); [Deschutes](#); [Eastern Oregon](#); and [Rogue](#) project areas. [Upper Klamath Lake](#) is currently at 36 percent of useable capacity.

The most recent update to the [US Drought Monitor](#) indicates continued expansion of drought conditions across the state. Indicators now point toward D3 (Extreme Drought) in over 6 percent of the state. The August 23, 2018 report also shows that 70 percent of the state is in D2 (Severe Drought), 90 percent is listed as in D1 (Moderate Drought) and 100 percent of the state is listed as D0 (Abnormally Dry).

Nine Oregon counties are now under state declared drought status. Refer to the Oregon Water Resources Department [web page](#) for the latest information. As of August 22, 2018 eight counties are now under drought [designation](#) by the US Department of Agriculture.

Wildfire season is in full swing and monthly [outlooks](#) are now being posted. Visit the Oregon Department of Forestry's [wildfire blog](#) for the latest updates and information. More information can also be accessed through the Northwest Interagency Coordination Center [website](#).

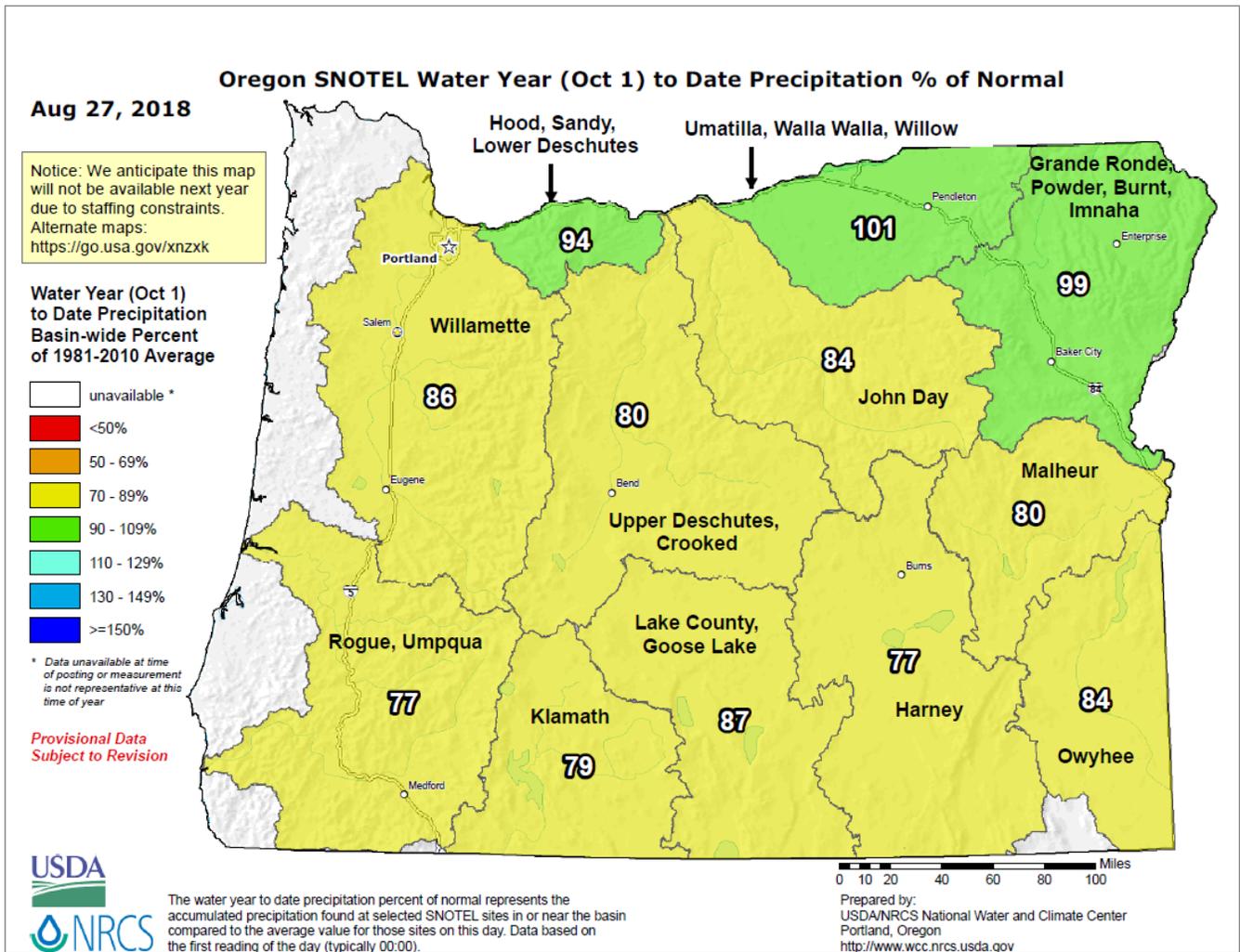
Another recommended resource is the Oregon Office of Emergency Management's [RAPTOR](#) incident mapping program which includes current situational information, such as wildfire perimeters, thermal satellite, fire evacuation boundaries, and air quality info.

Data & Products:

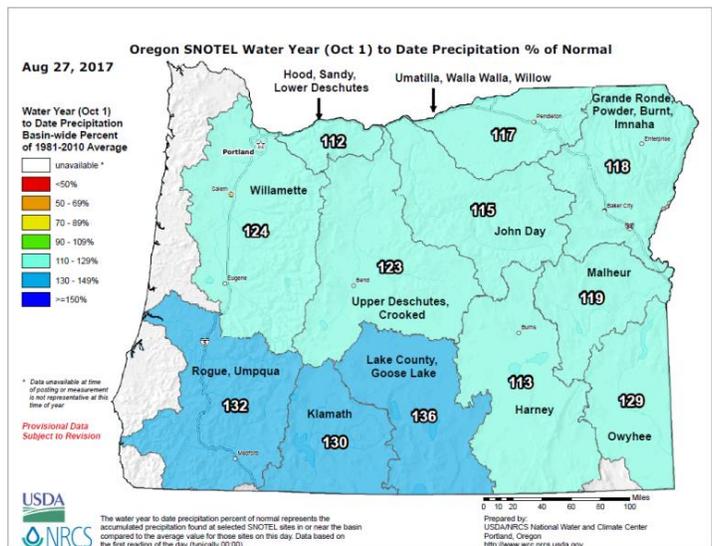
Page:

Precipitation (Mountain) - Percent of Normal	3
Temperature – (1 Month) Departure from Normal.....	4
Precipitation – (1 Month) Percent of Normal	5
Three Month Temperature and Precipitation Outlook	6
Soil Moisture - Percentile	7
U.S. Drought Monitor for Oregon	8
Statewide Streamflow Conditions - July	9
Streamflow Conditions – Willamette.....	9
Streamflow Conditions – Malheur Lake.....	10
Streamflow Conditions – Grande Ronde	10

Precipitation (Mountain) - Percent of Normal



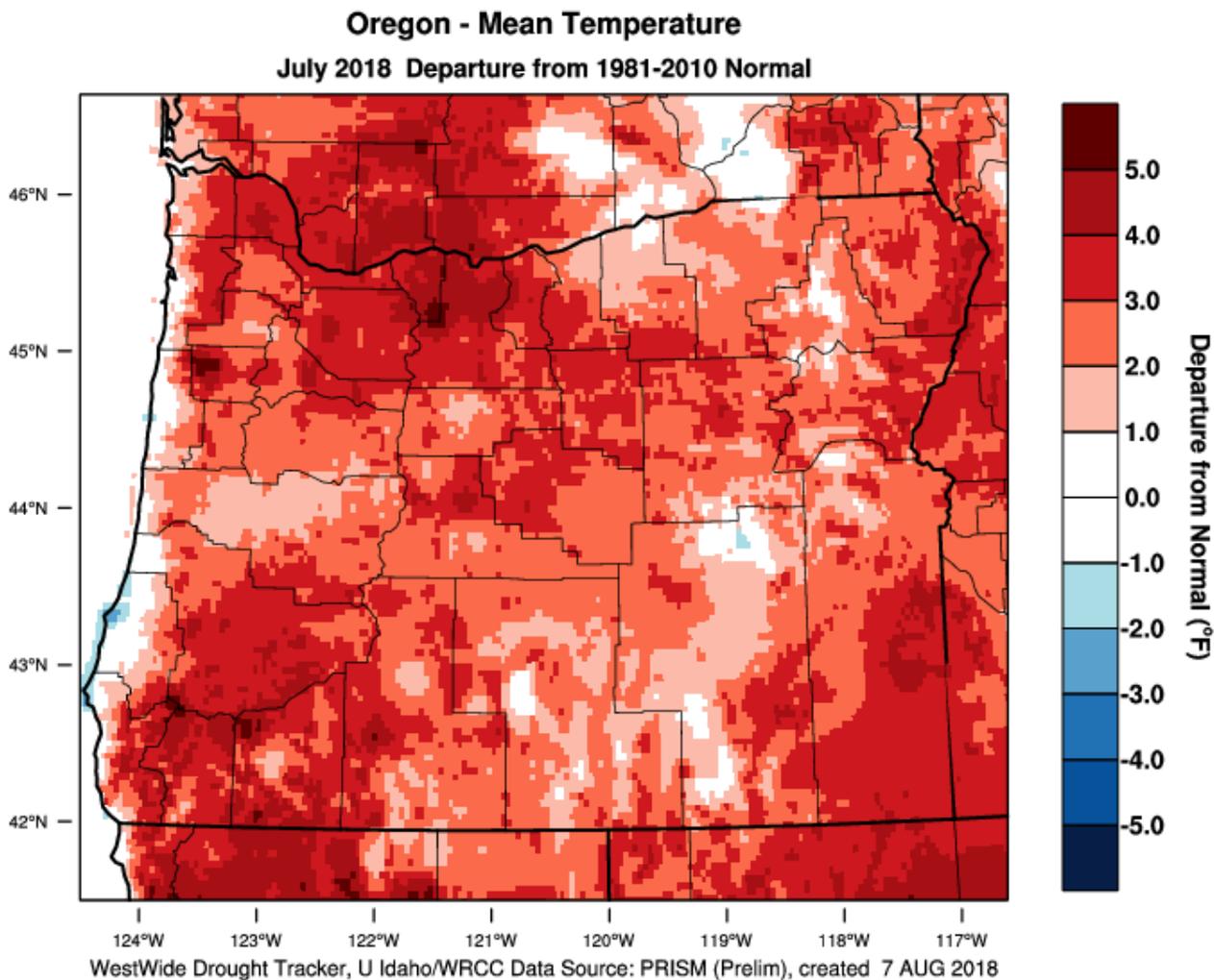
Compared to this time last year -



Temperature – (1 Month) Departure from Normal

Website: <https://wrcc.dri.edu/wwdt/index.php?region=or>

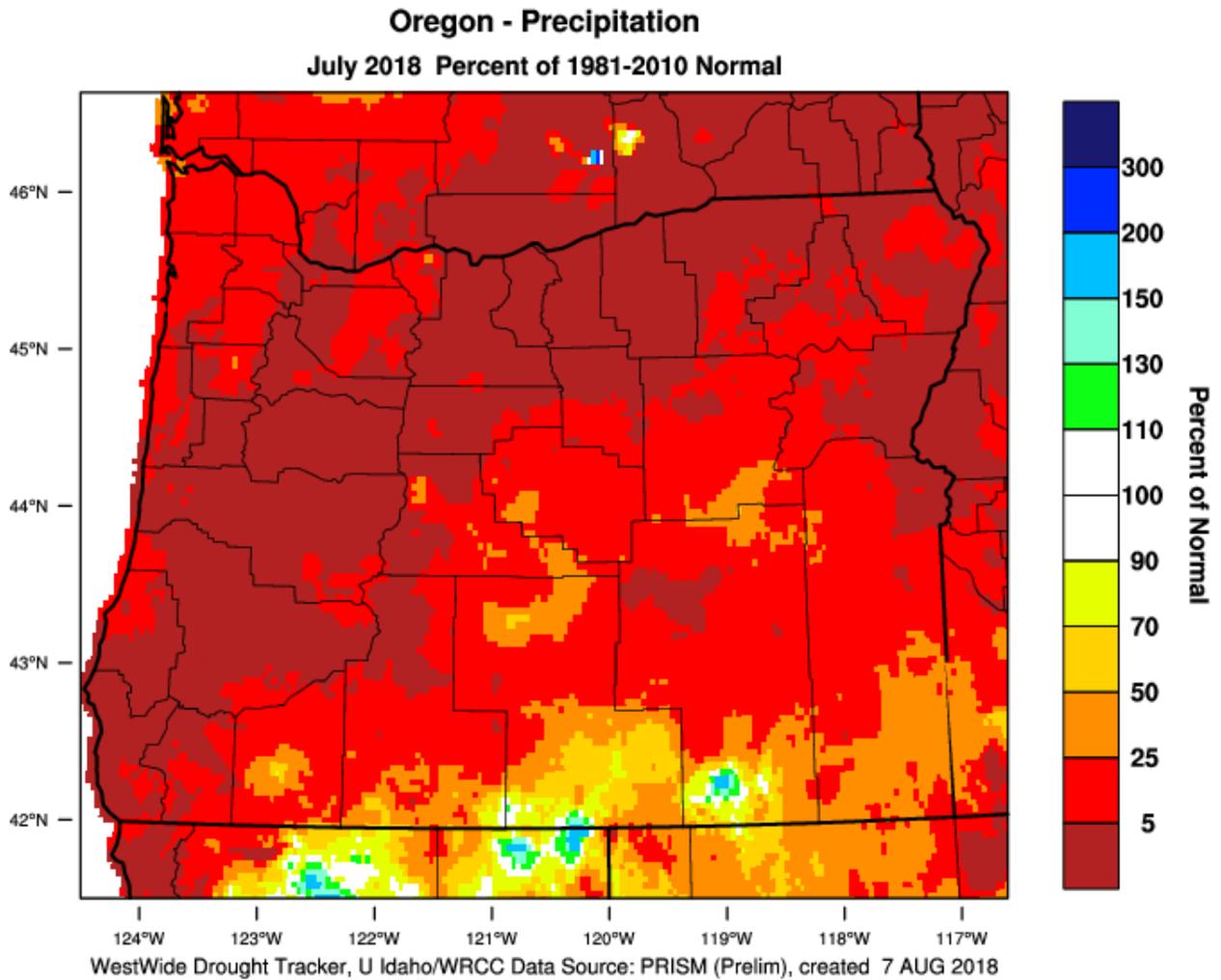
PRISM > Temperature Anomaly 1 Month > Oregon



Precipitation – (1 Month) Percent of Normal

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

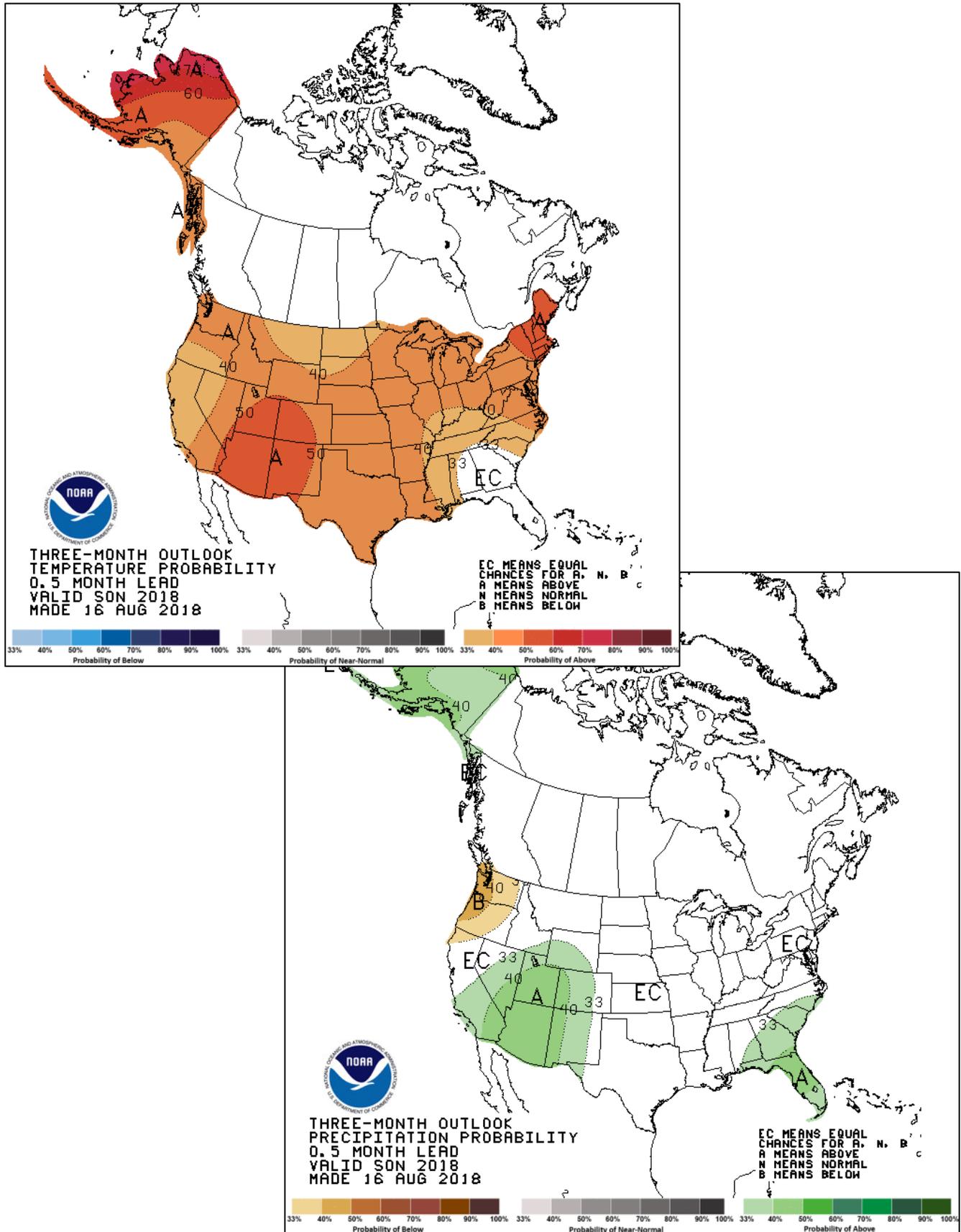
PRISM > Precipitation Anomaly 1 Month > Oregon



Three Month Temperature and Precipitation Outlook

September through November

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

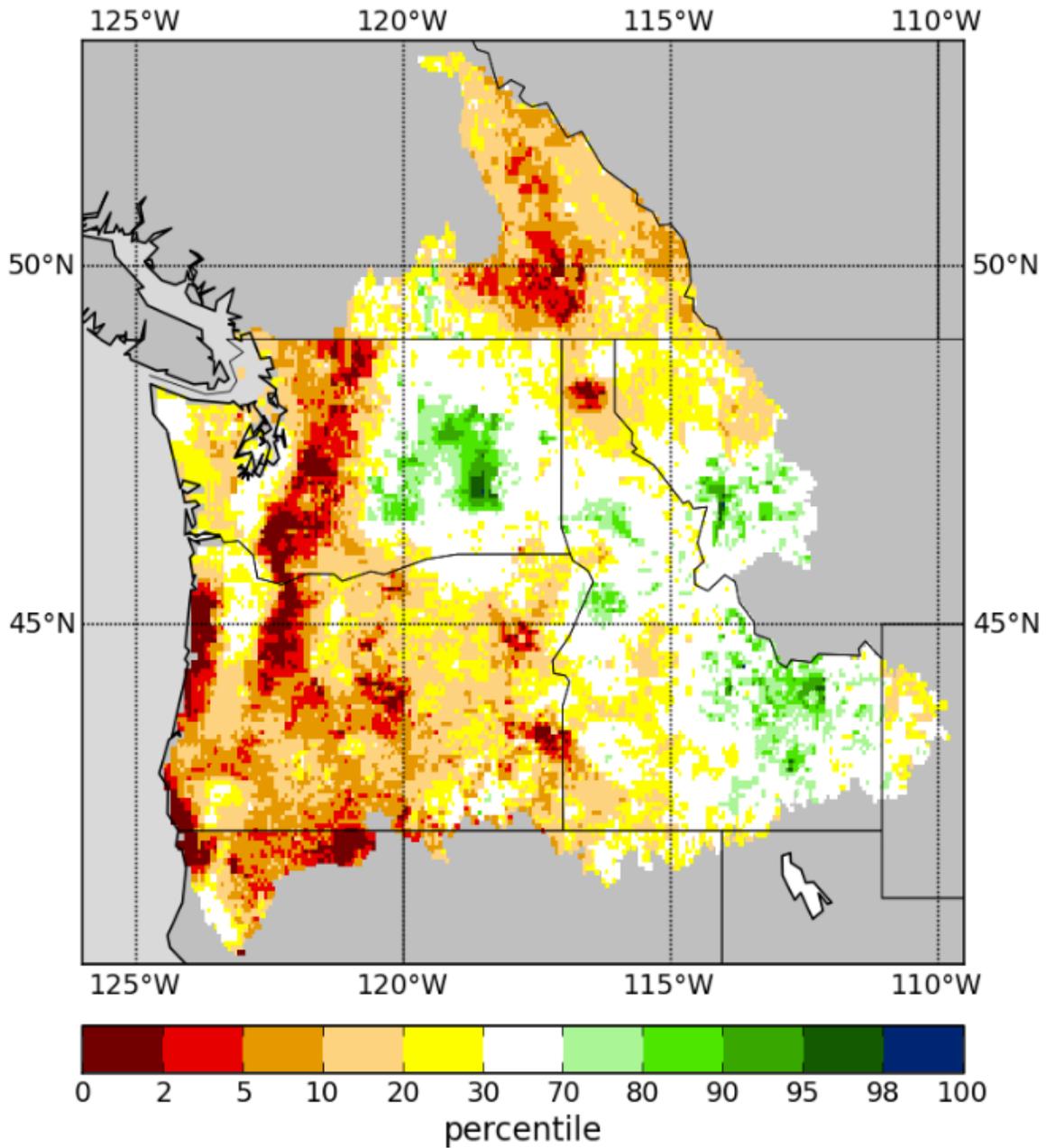


Soil Moisture - Percentile

Website: http://www.hydro.ucla.edu/SurfaceWaterGroup/forecast/monitor_pnw/index.shtml

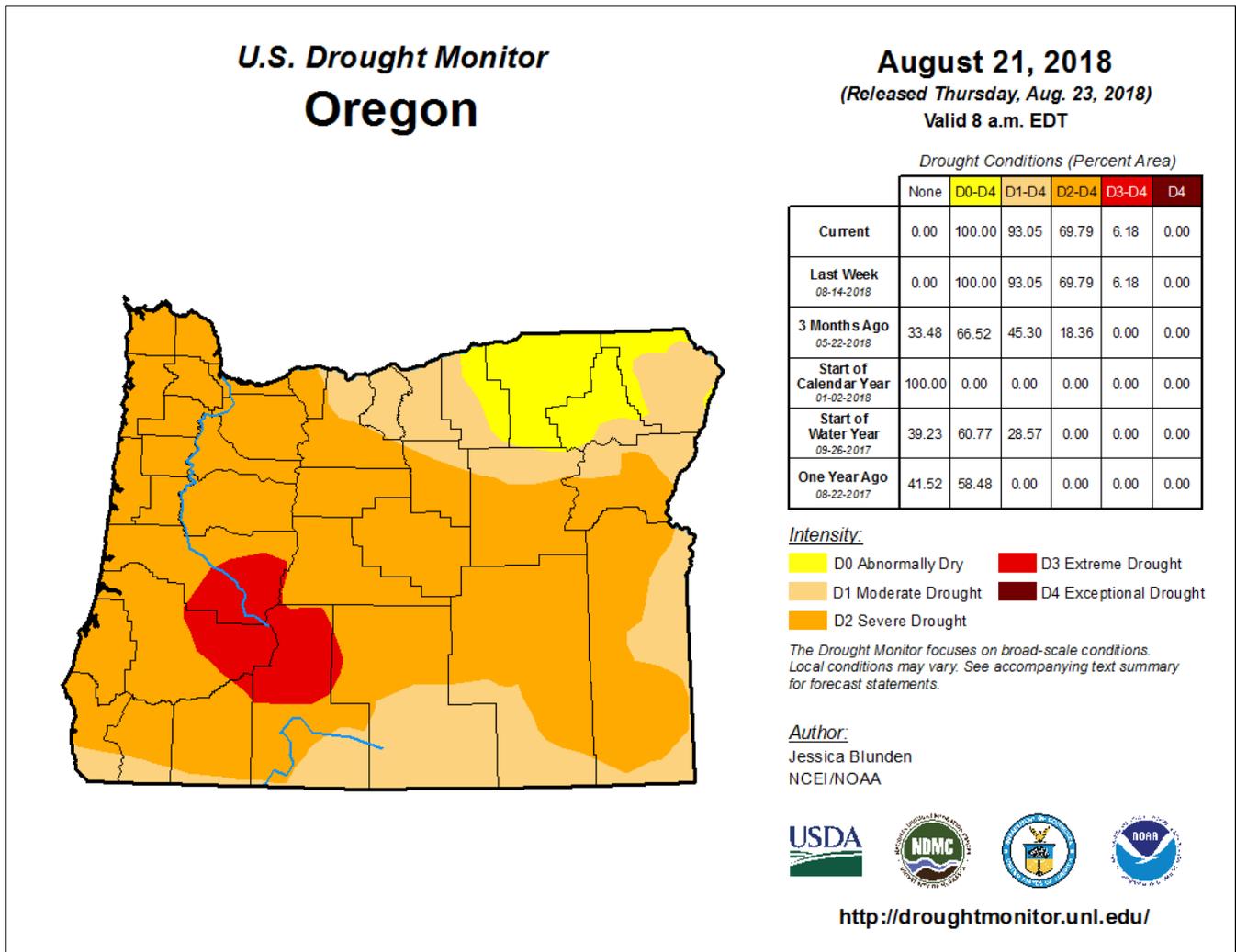
Total Moisture Percentile

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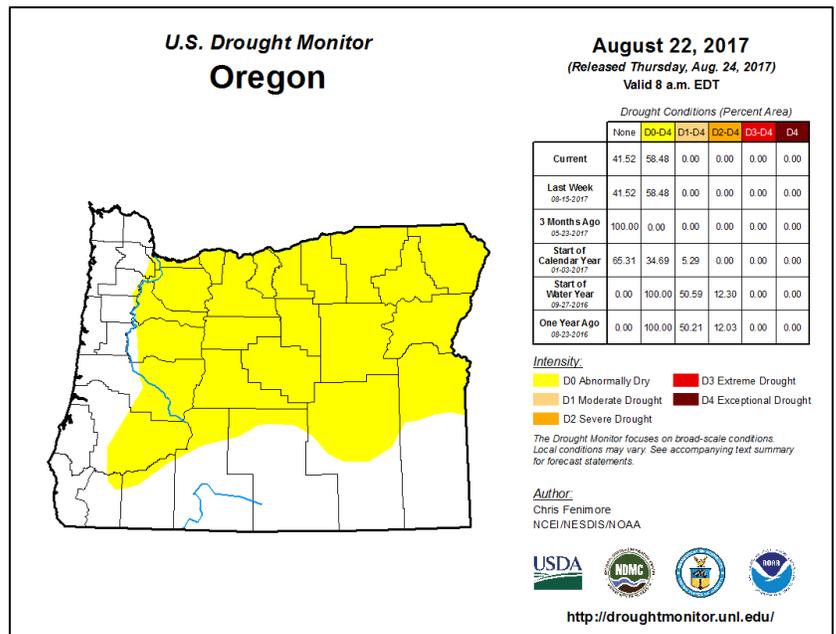


U.S. Drought Monitor for Oregon

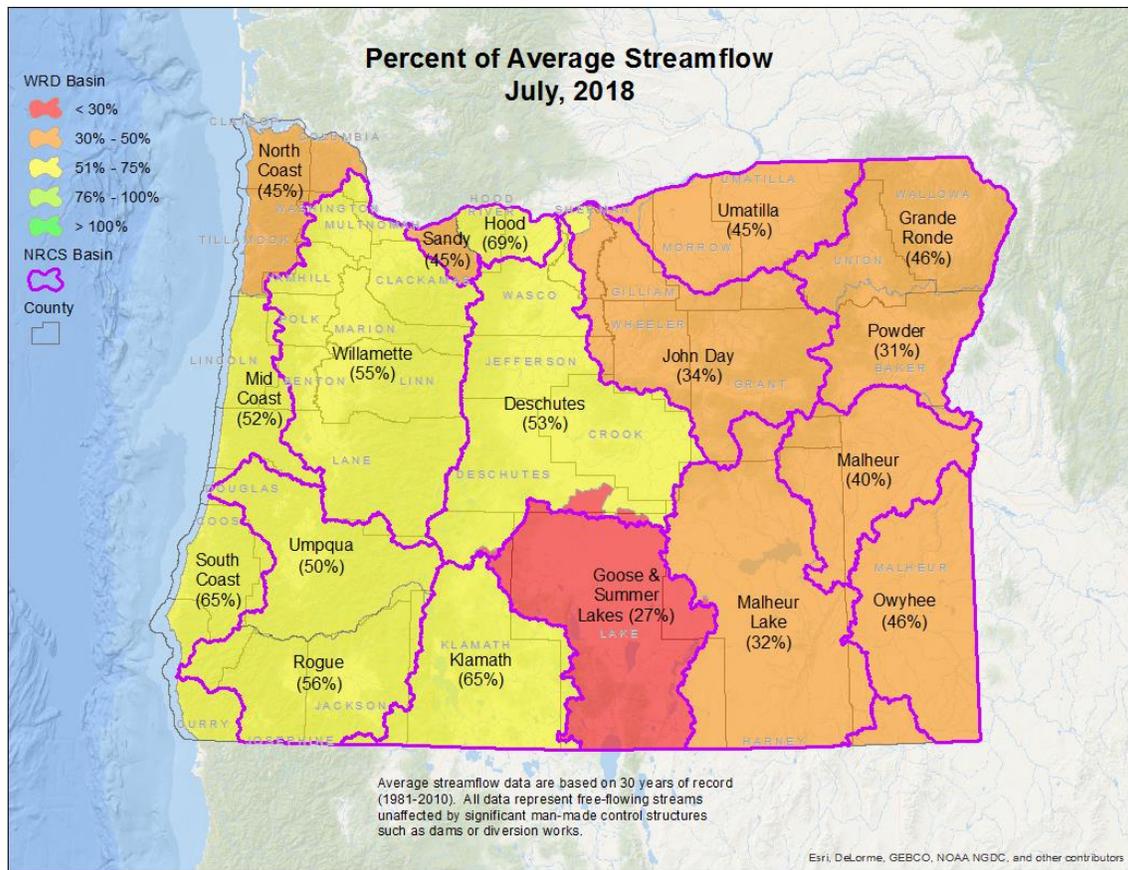
Website: <http://droughtmonitor.unl.edu/CurrentMap/StateDroughtMonitor.aspx?OR>



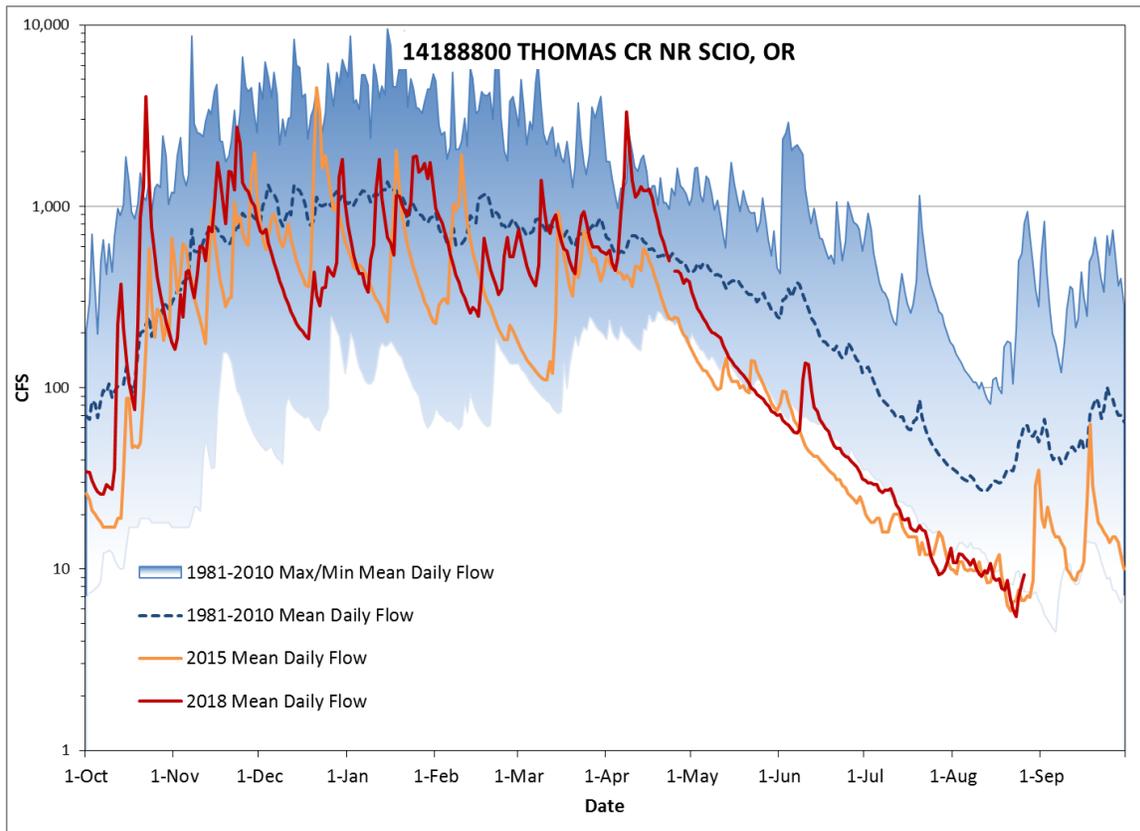
Compared to this time last year:



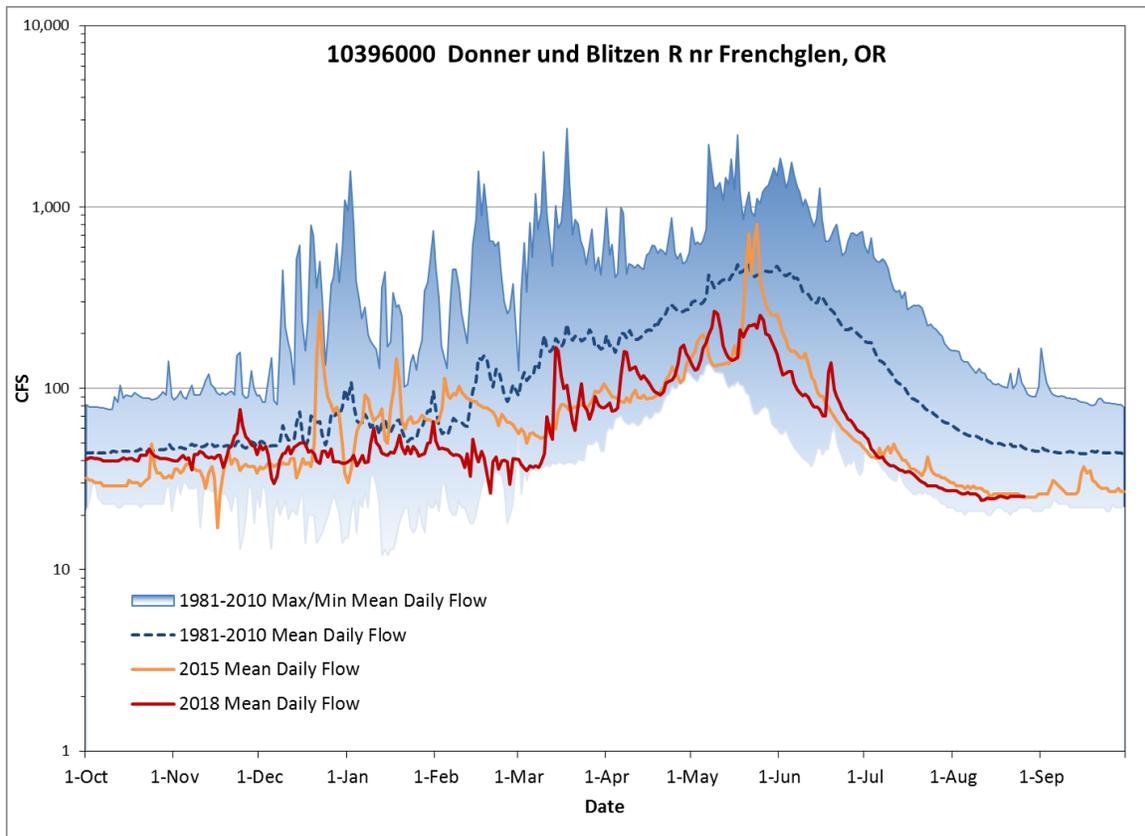
Statewide Streamflow Conditions - July



Streamflow Conditions – Willamette



Streamflow Conditions – Malheur Lake



Streamflow Conditions – Grande Ronde

