Oregon
Water Conditions Report
June 14, 2017

The remaining snowpack is confined to the highest elevations but continues to be above normal for this time of year. The predominantly dry weather during the month of May did little to impact the positive summer water supply outlook. The Natural Resources Conservation Service (NRCS) June 1, 2017 Water Supply Outlook reports that 21 Oregon SNOTEL sites still have snow, with most of those sites holding onto above normal amounts. Most of the snow below 5,000 feet in elevation has melted, which is normal for this time of year, but some lower elevation sites in northwestern Oregon still have snow. Of the sites that are currently snow-free in the state, most of them melted out on time or up to 3 weeks later than normal in some cases. For more region-specific graphs illustrating snowpack conditions through the season, refer to page 4.

Statewide mountain precipitation has continued to be well above average in most locations. Even though May brought the first month of below normal precipitation since November, there has still been a surplus of precipitation for the water year. Statewide mountain precipitation (based upon SNOTEL data) is 129 percent of normal. However, precipitation for the month of May was at 69 percent.

With the exception of the northern portion of Malheur County, most of Oregon was warmer than normal for the month of May. See page 6 for a graphic depicting conditions over the past month. Over the next 8 to 14 days, the NOAA Climate Prediction Center is forecasting enhanced probabilities of above normal temperatures and below normal precipitation across the state.

The most recent three month outlook continues to indicate an above normal chance of higher than normal temperatures and an equal chance of above or below normal precipitation between now and August. The next outlook will be issued on June 15, 2017.

Statewide streamflows for the month of May were almost 135 percent of normal. Regionally during the month of May, streamflow conditions east of the Cascades were at 130 percent and 140 percent on the west side. This was the fourth consecutive month of above normal streamflows. As of late last week, streamflows were trending downward but still at a statewide average of a little under 100 percent. Of note though, flows in the Umatilla and North Coast Basins are at 50 and 60 percent of normal, respectively.

The above normal statewide snowpack at the peak of the season, along with the above normal amount of high elevation snow that still remains all support an optimistic outlook for normal to above normal summer streamflows. Refer to the NRCS June 1st streamflow volume forecast for more region specific information for the summer season.

Most of the state's water supply reservoirs are now at maximum capacity. Willamette and Rogue project reservoirs are on track for a good summer season. Central Oregon reservoirs are

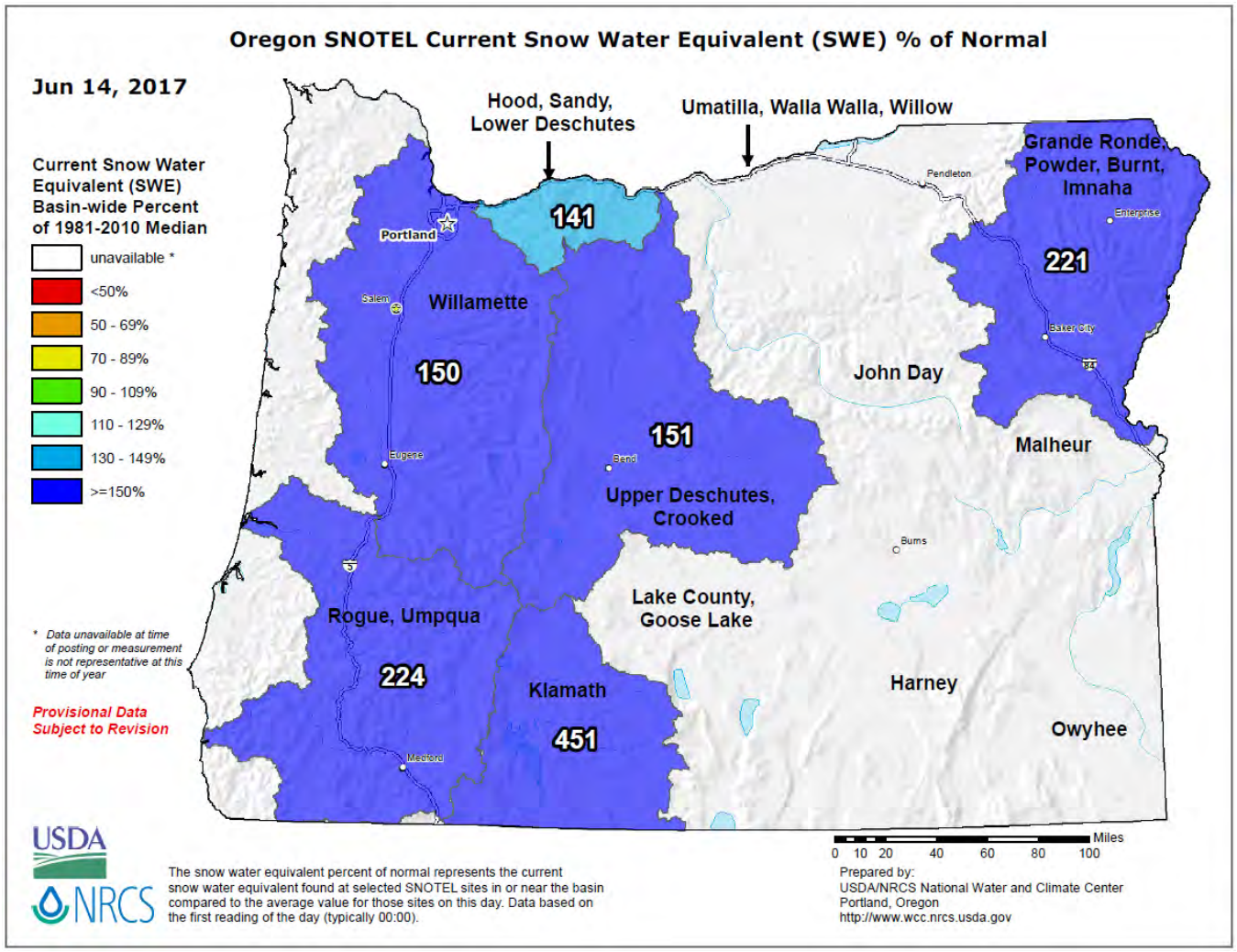
between 80 and 100 percent of capacity with ample snowmelt expected as the runoff season approaches. Eastern Oregon reservoirs are now at or very close to capacity and are just starting to release water. For the most recent near real-time, site-specific reservoir conditions (teacup diagrams) visit the USBR or USACE websites.

No change in drought status in the past several weeks. The most recent report from the US Drought Monitor indicates that Oregon (and the entire Northwest) is no longer listed in any drought category. The last time this condition was observed was in 2011.

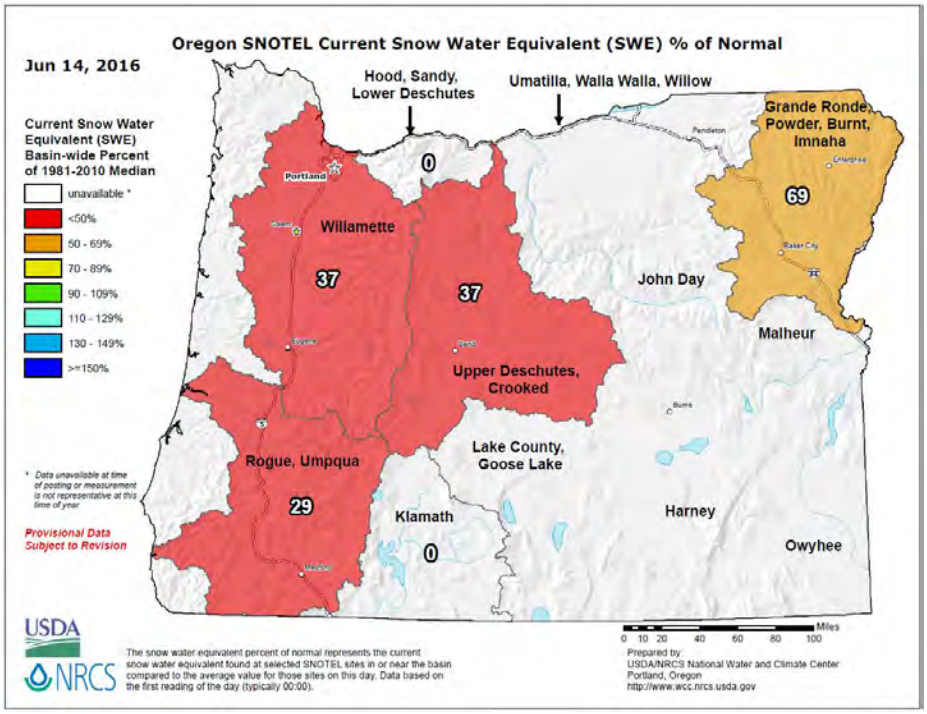
The Oregon Department of Forestry continues to forecast a below average 2017 fire season. Despite the dry period and warm up in May, most areas in the state show fuel moistures and fire indices near or below average for this time of year. With a cool and wet year already, and some forecasts indicating continued cool and possibly wet, fire season is likely to be below average again this summer.

Data & Products: Page:

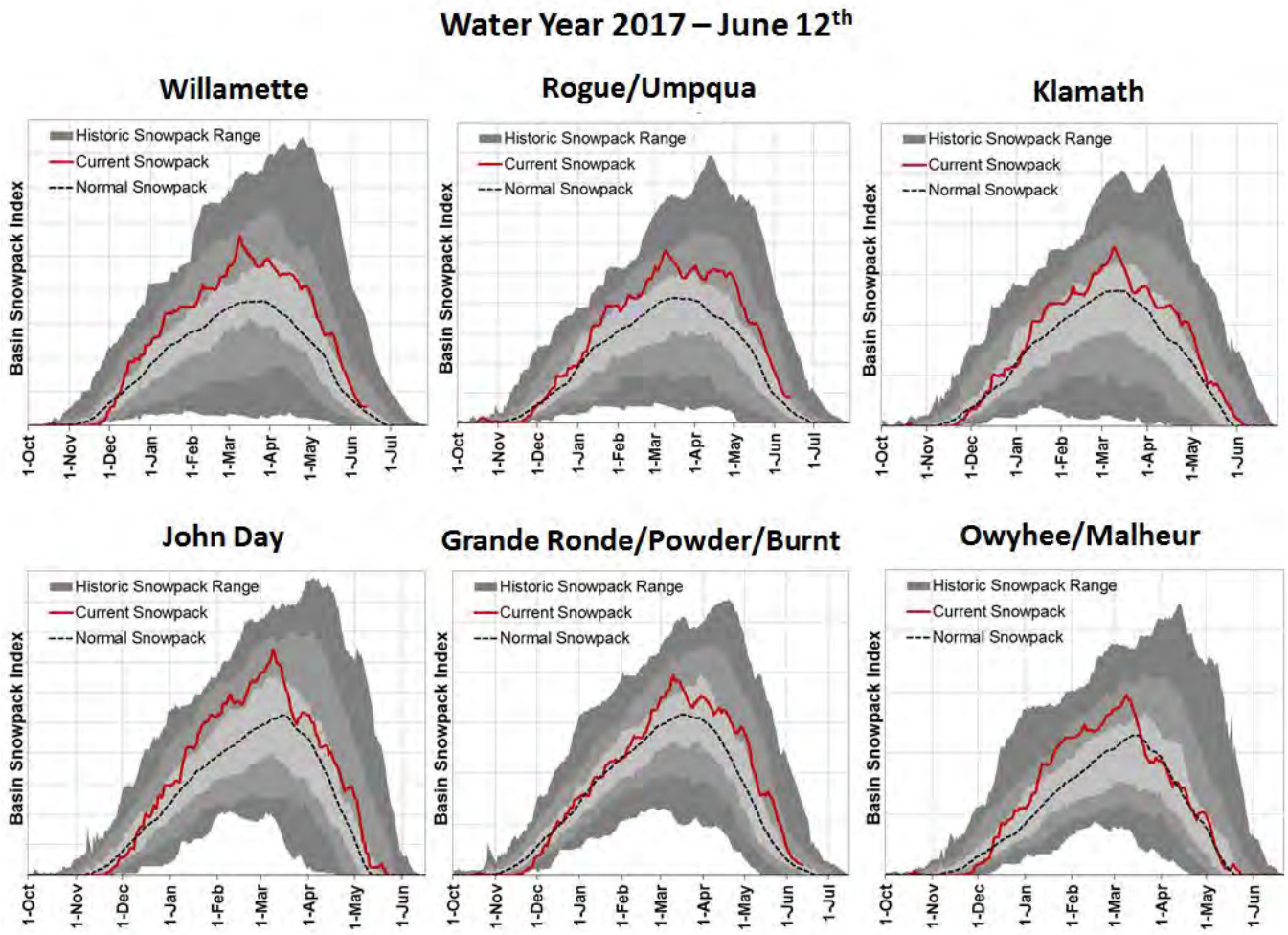
Snowpack - Percent of Normal



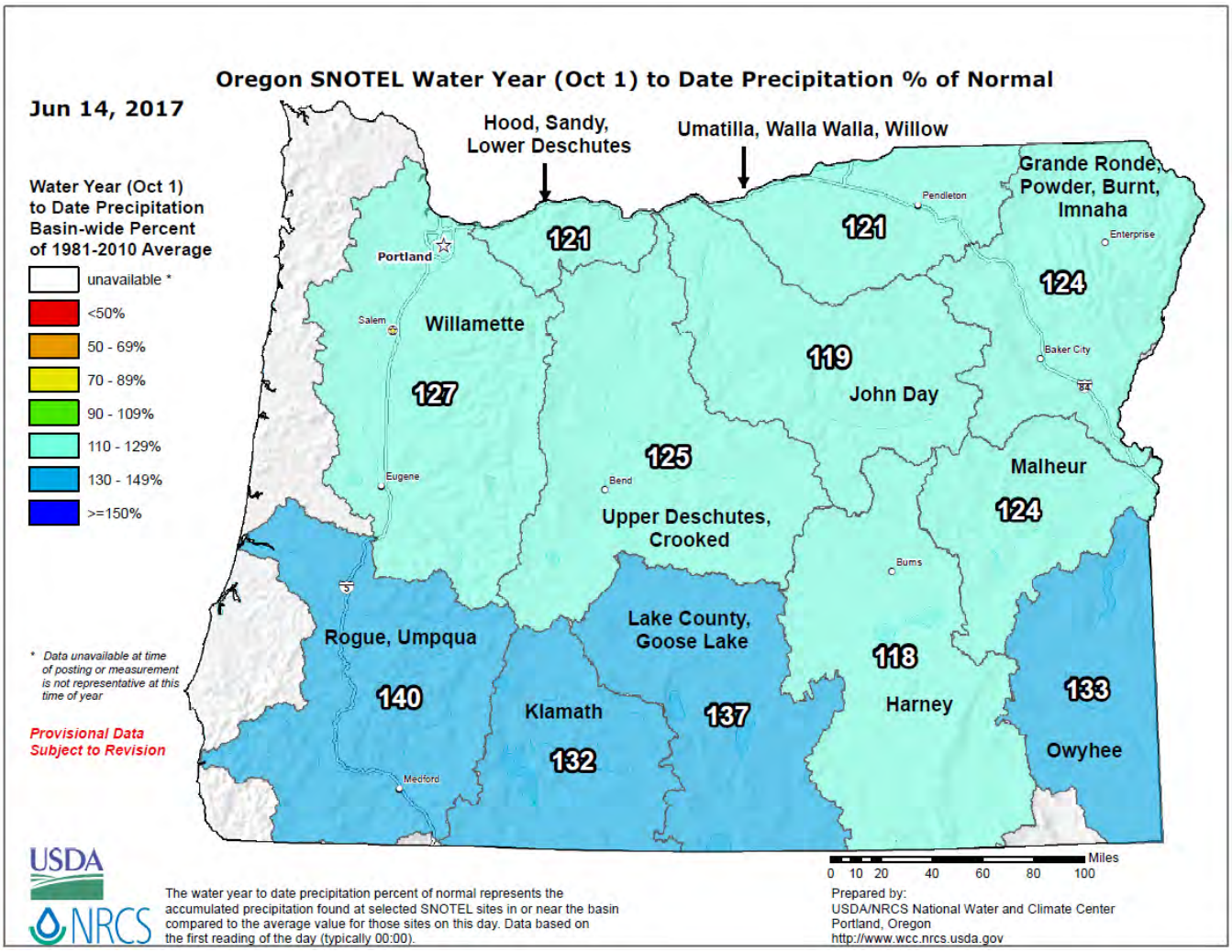
Compared to this time last year -



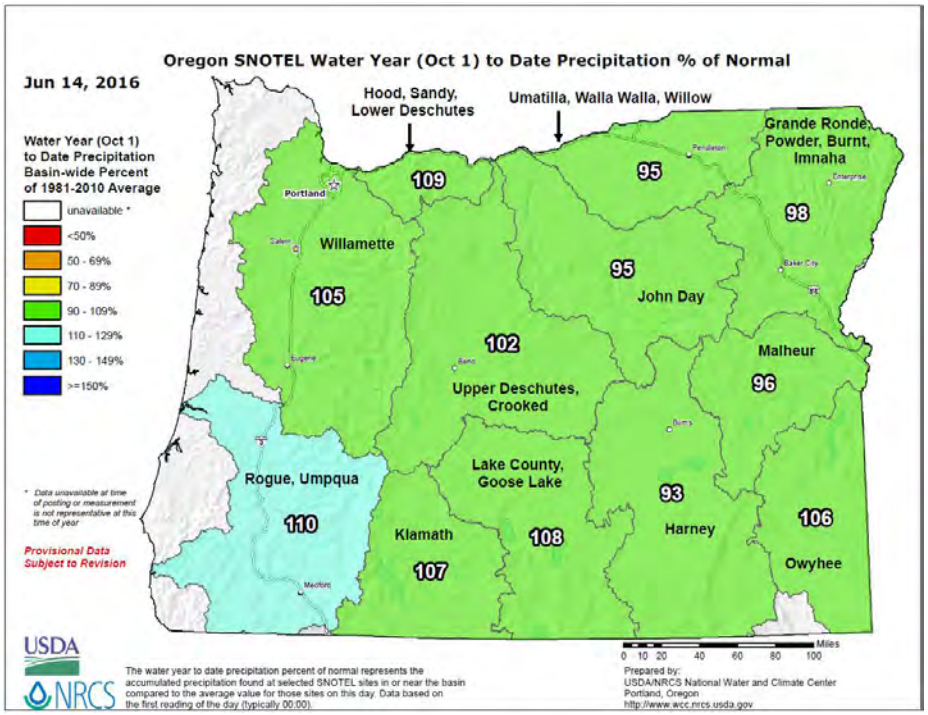
Snowpack - Percent of Normal (continued)



Precipitation (mountain) - Percent of Normal



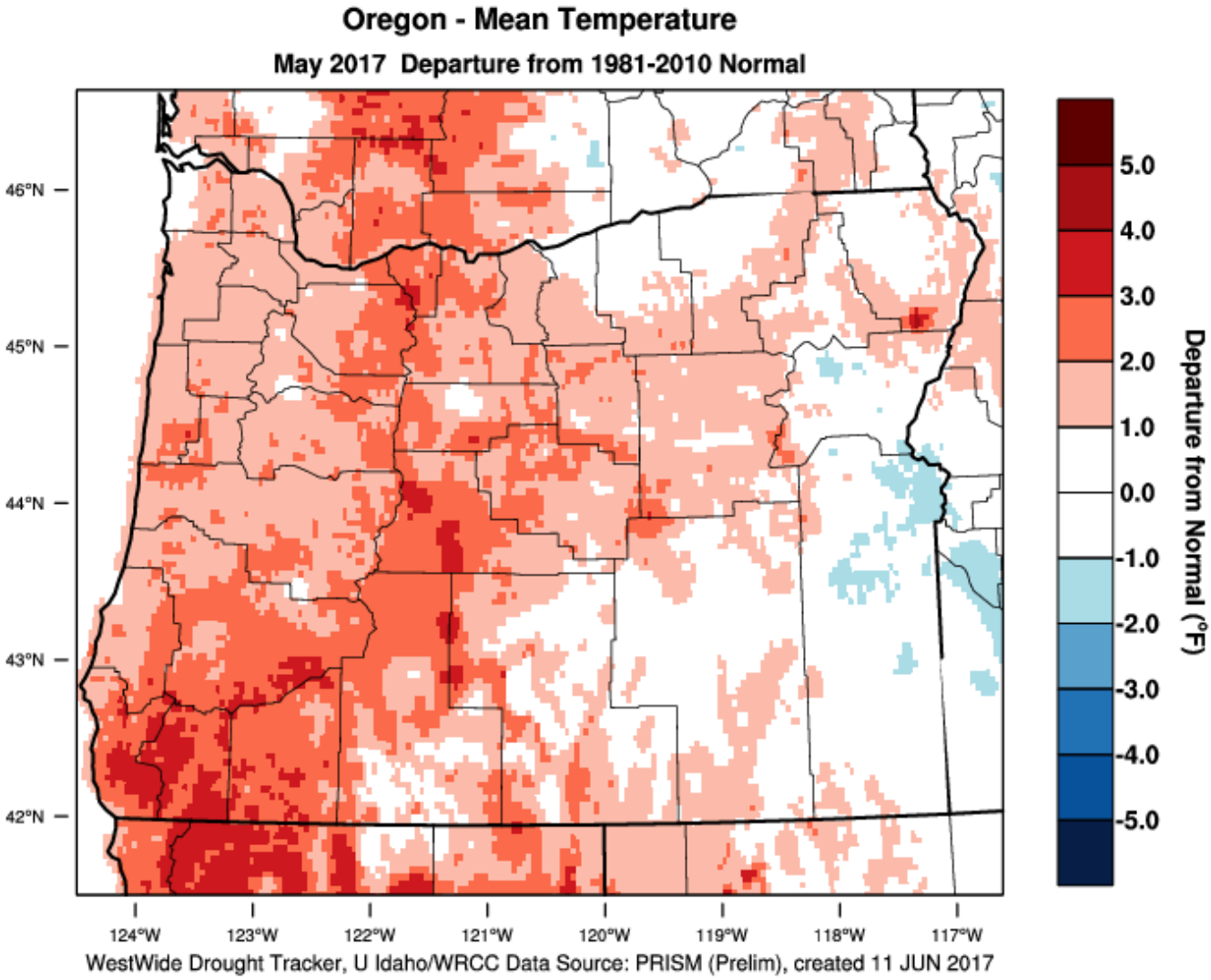
Compared to this time last year -



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

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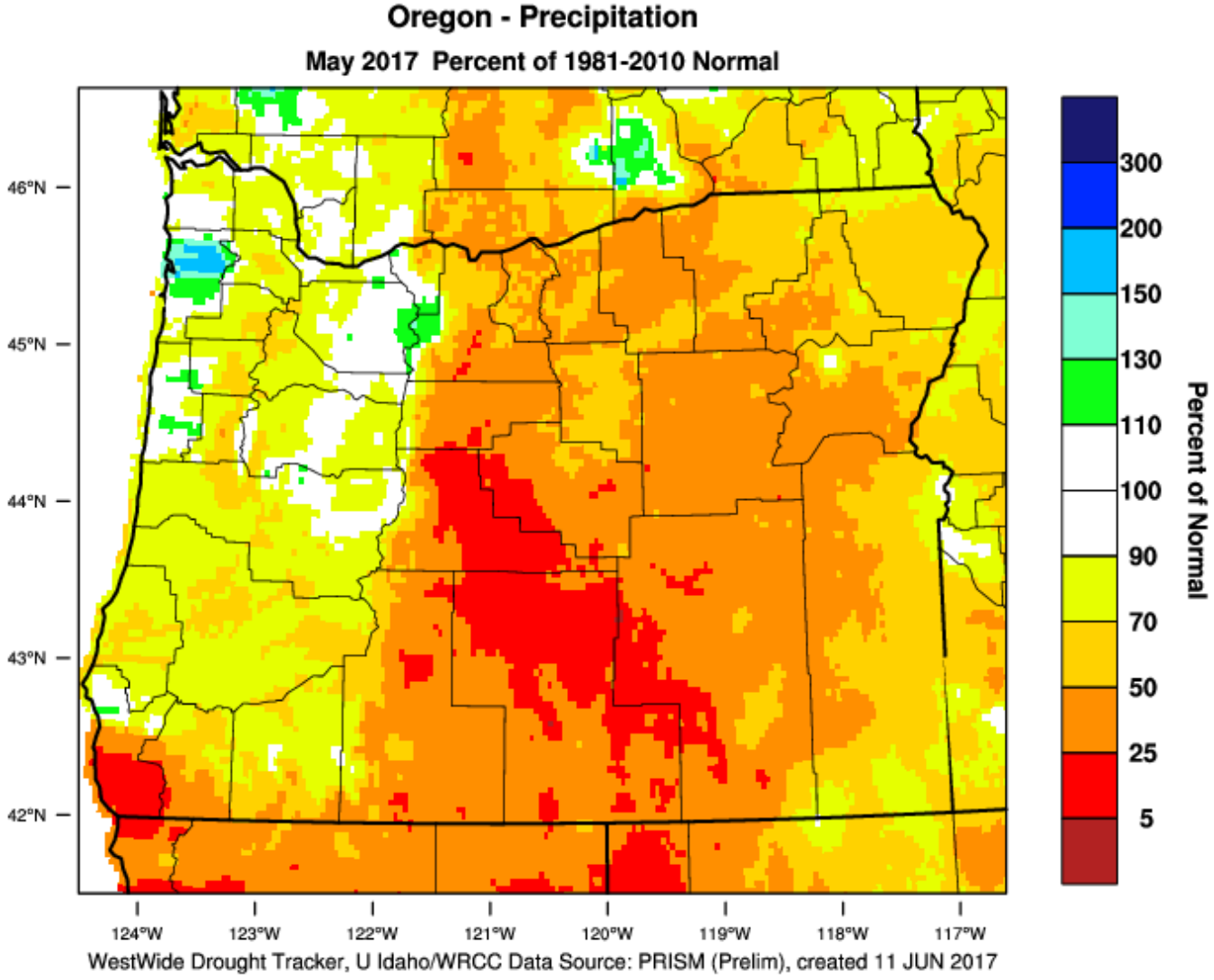
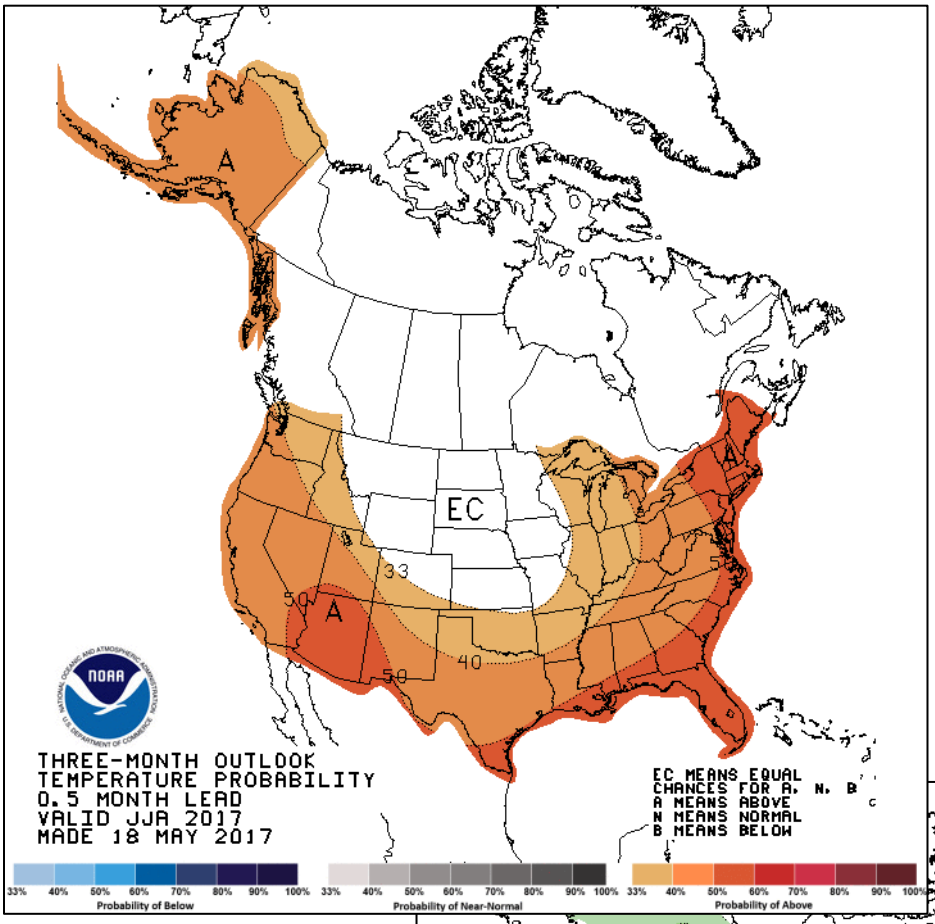
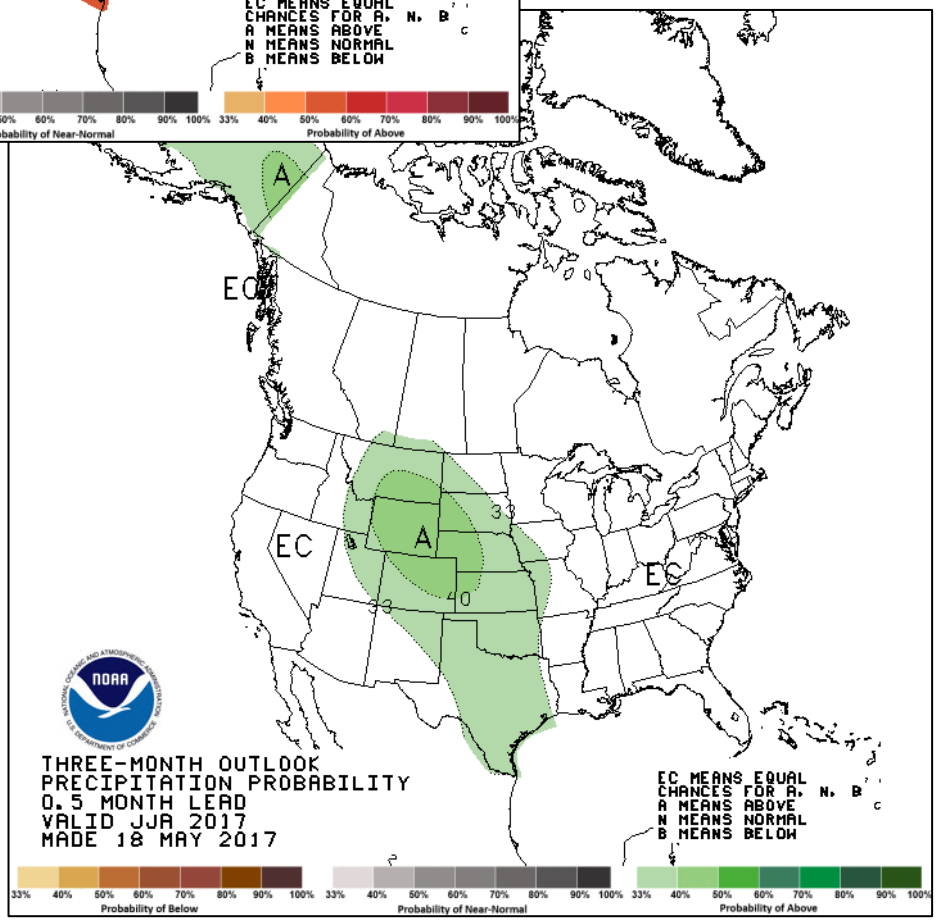


Three Month Temperature and Precipitation Outlook

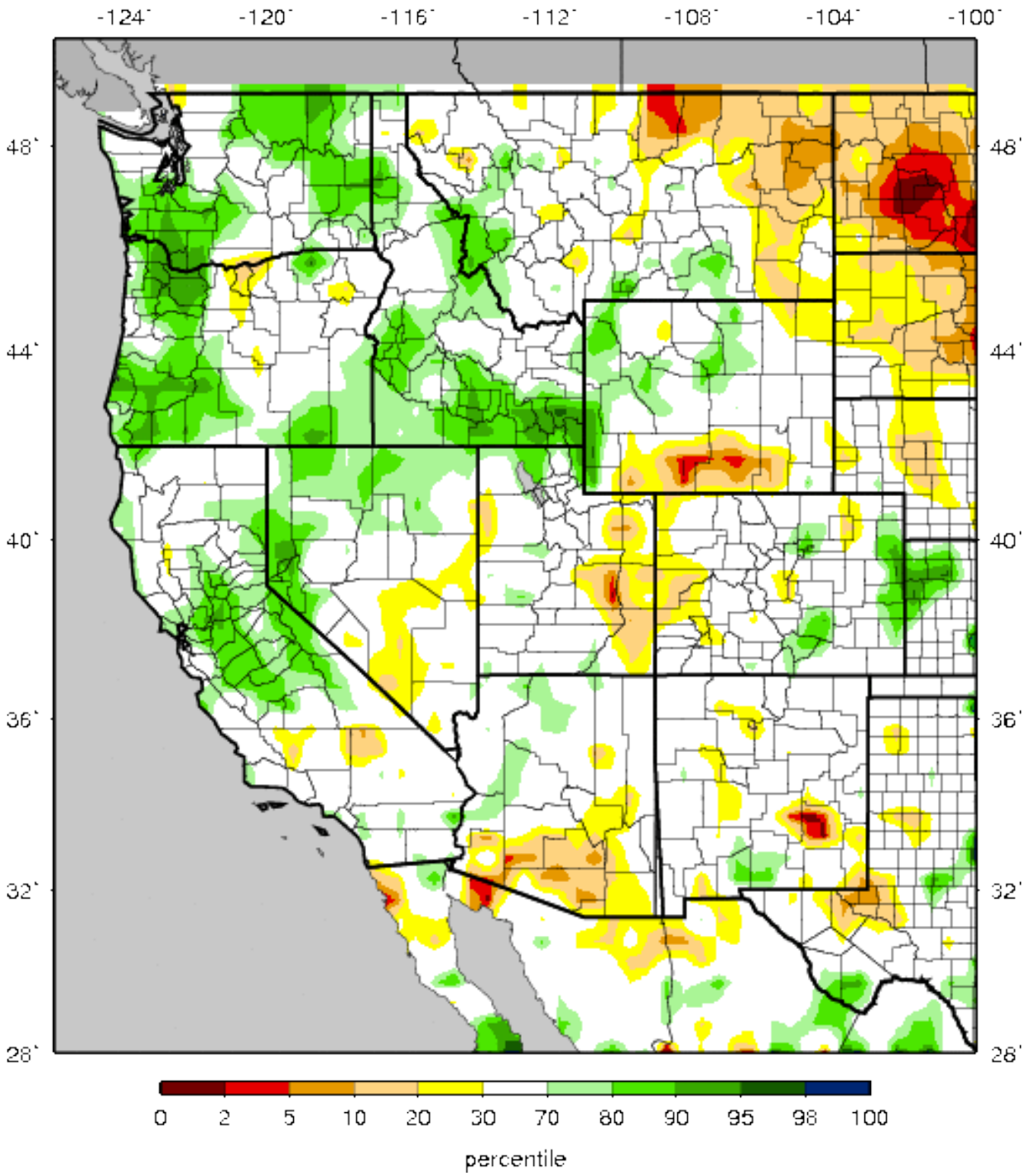
June-July-August – Follow link for the latest information.
Website: http://www.cpc.ncep.noaa.gov/products/predictions/long_range/seasonal.php?lead=1



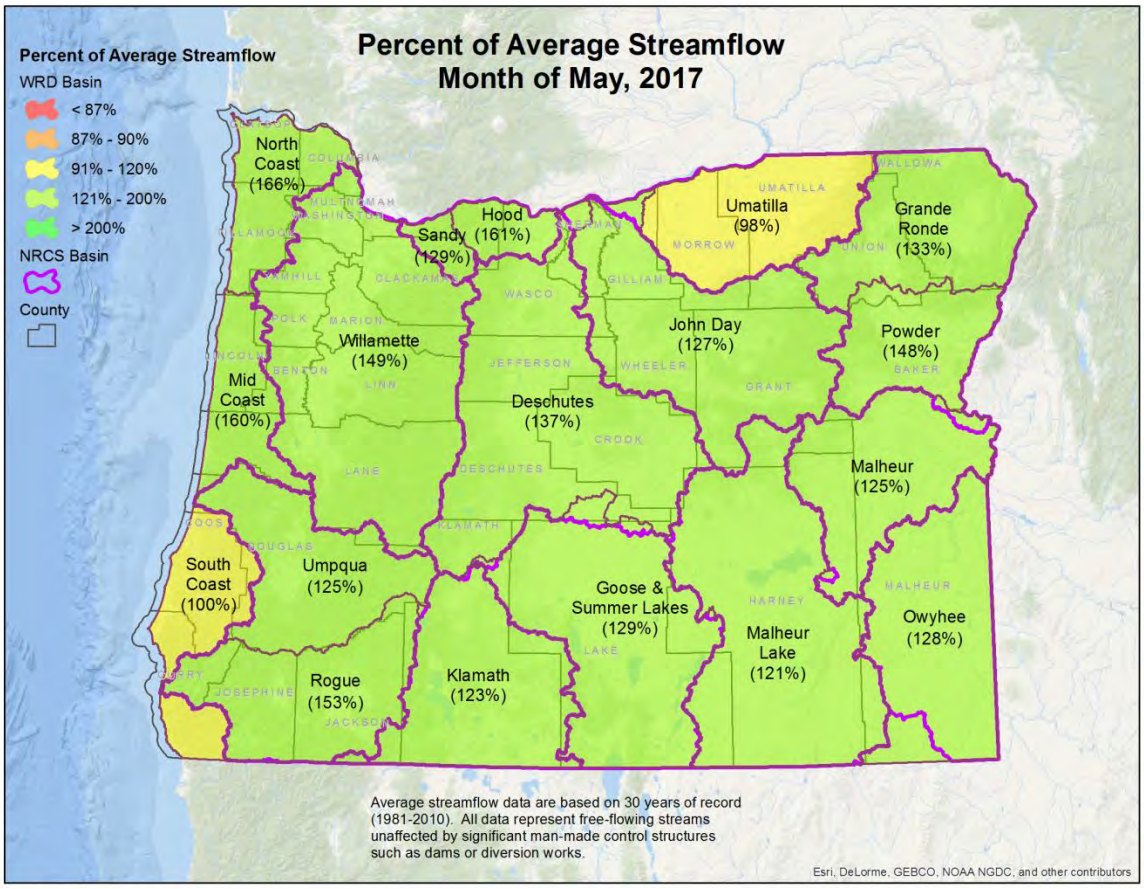


Soil Moisture - Percentile

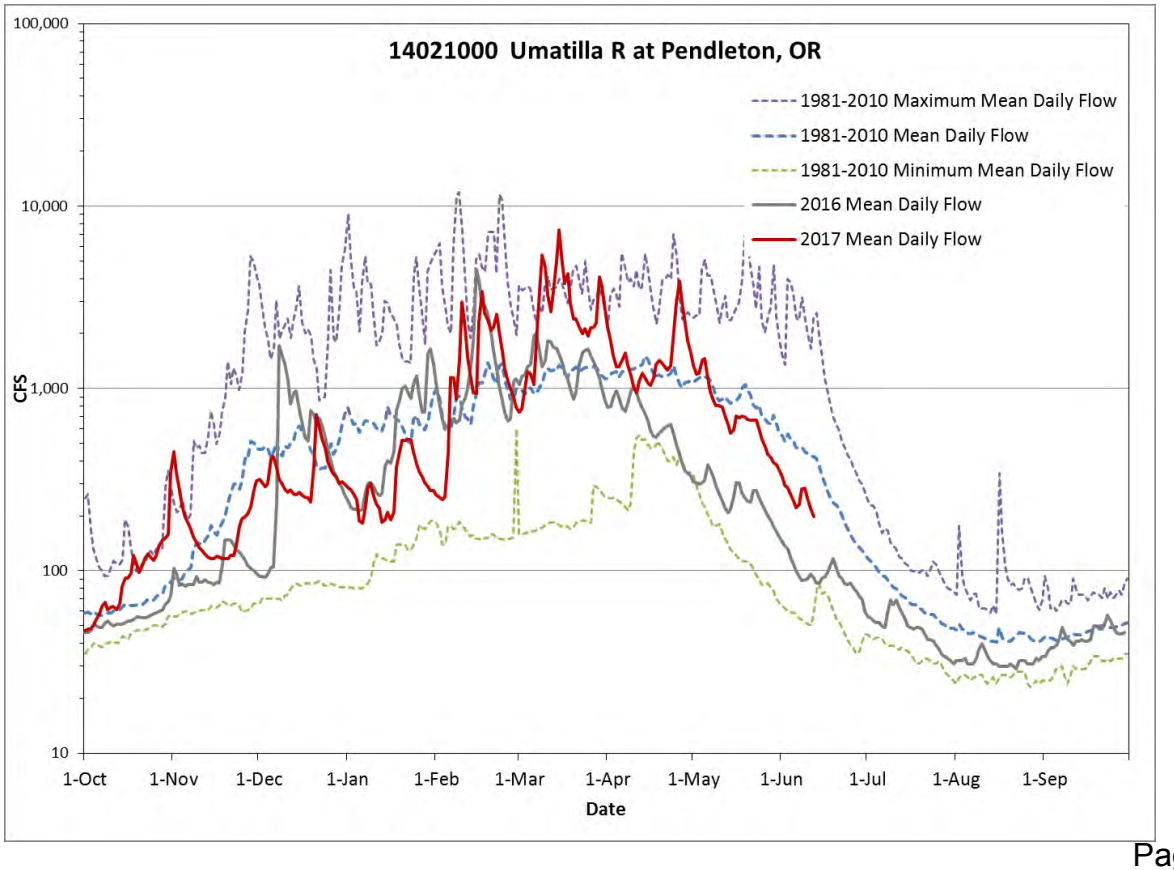
Website:
http://www.hydro.washington.edu/forecast/monitor/curr/conus.mexico/west.vic.sm_qnt.gif



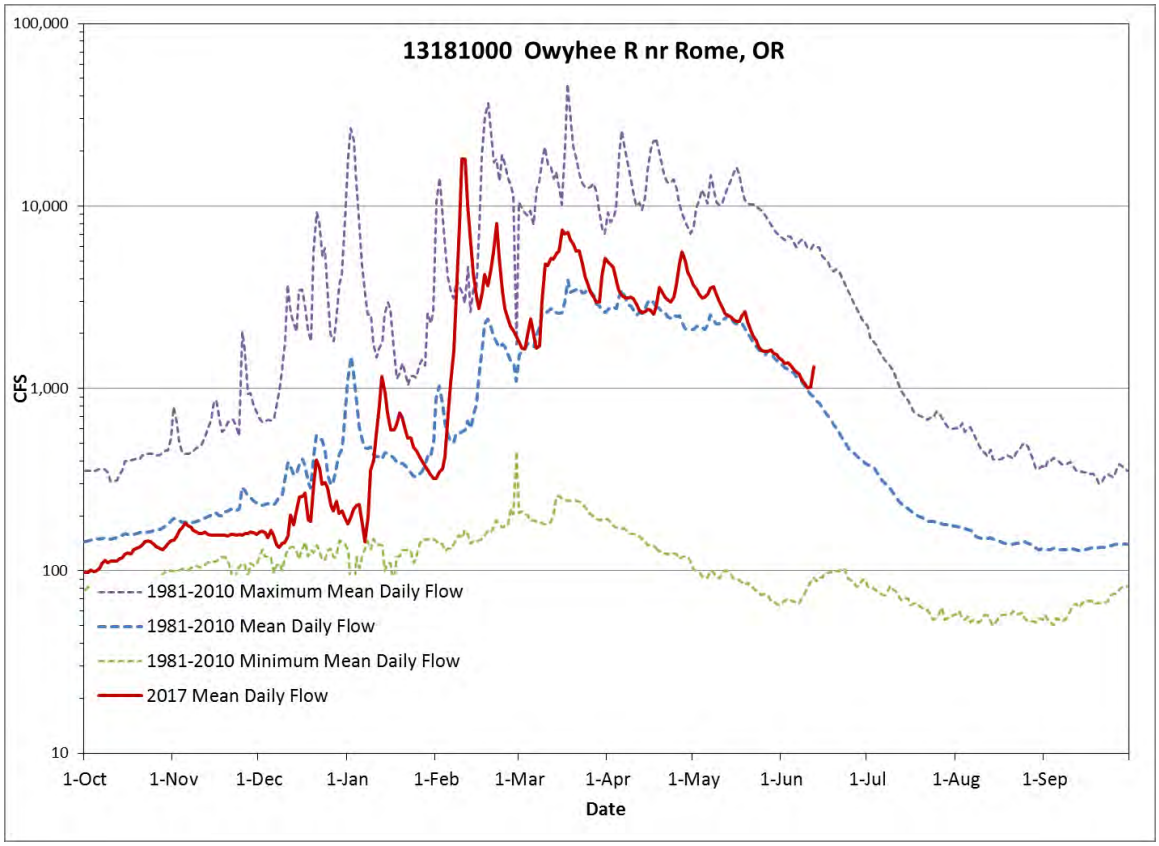
Regional Streamflow Conditions - May



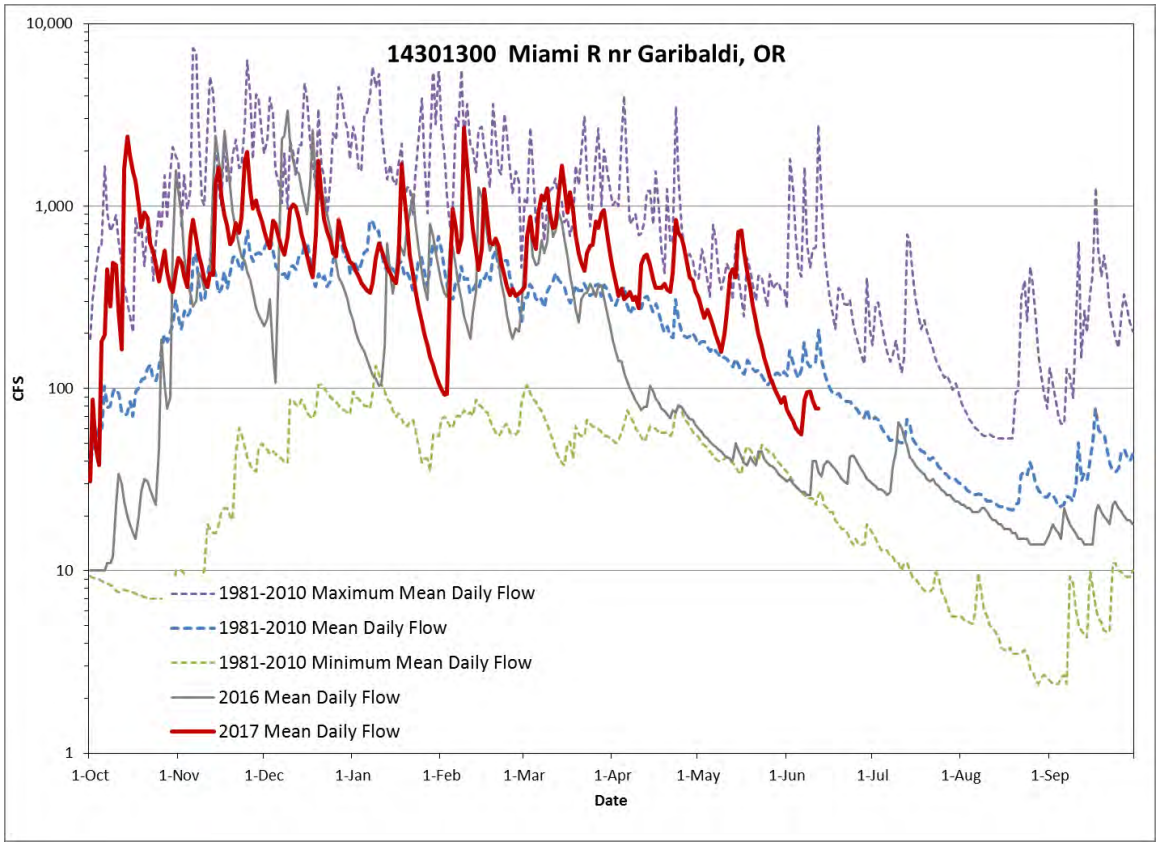
Streamflow Example – North Central Oregon (Umatilla)



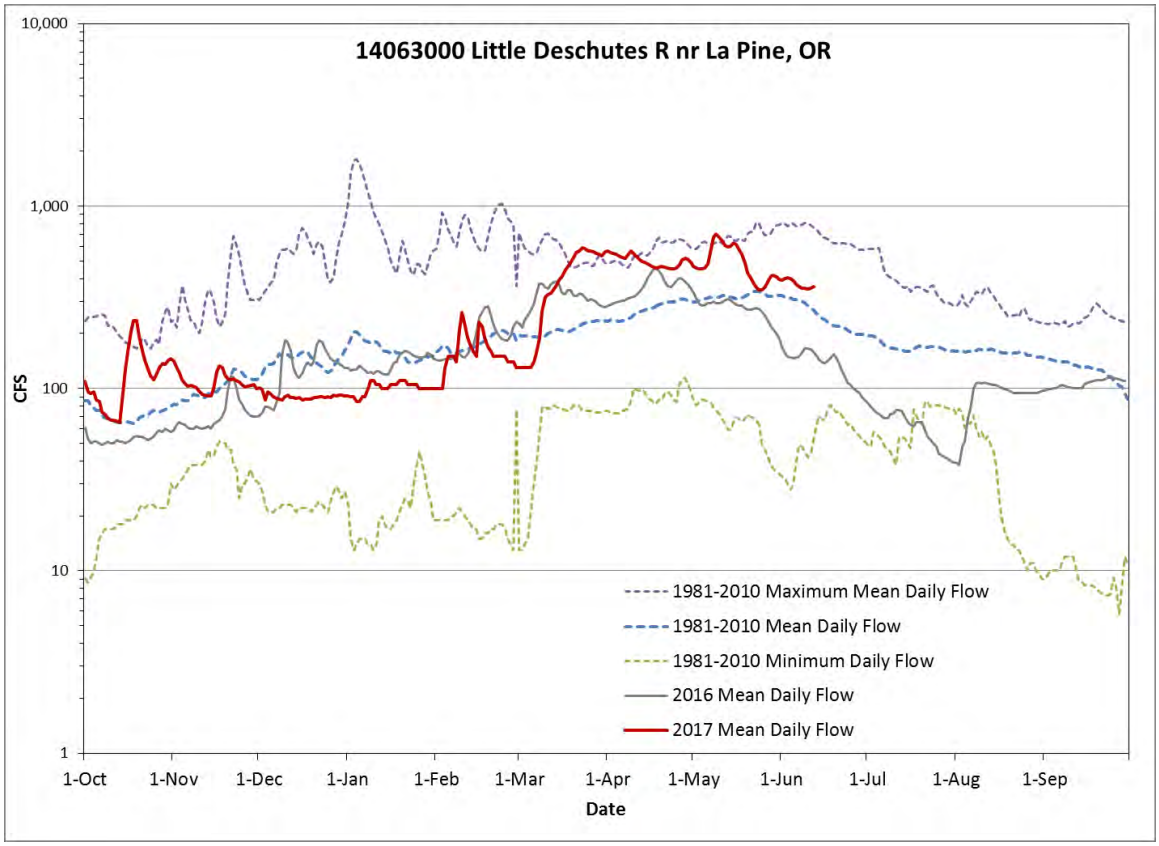
Streamflow Example – Eastern Oregon (Owyhee)



Streamflow Example – Western Oregon (North Coast)



Streamflow Example – Central Oregon (Deschutes)



Regional Reservoir Storage Conditions - May