Oregon
Water Conditions Report
May 15, 2017

High-elevation mountain snowpack will continue to contribute to streamflows through May. As of May 15, there is little snow remaining below five thousand feet in elevation. Storm systems during the coming week may add snow to the higher elevations which will extend the runoff, and contribute to streamflow volumes through the end of the month.

For more region-specific snowpack information, refer to page 4. The full May 1, 2017 NRCS Water Supply Outlook Report is also available.

Statewide mountain precipitation has continued to be well above average in most locations. As of May 15, 2017, statewide mountain precipitation (based upon SNOTEL data) is 132 percent as storm systems have continued to impact Oregon statewide.

Over the next 8 to 14 days, the NOAA Climate Prediction Center is forecasting enhanced probabilities of above normal temperatures across most of Oregon. Over this same period the outlook is for below normal precipitation throughout all but the southeastern corner of the state.

In some areas of the state, cool spring temperatures have slowed the start of the growing season. See page 6 for a graphic depicting lower than normal temperatures that occurred in April.

The most recent three month outlook from NOAA's Climate Prediction Center indicates an above normal chance of higher than normal temperatures and an equal chance of above or below normal precipitation between now and July. The next outlook will be issued on May 18, 2017.

Statewide streamflows for the month of April were 150 percent of normal. As of late last week, stream flows were down slightly at a little under 150 percent of normal. Regionally for the month of April, streamflow conditions east and west of the Cascades were close to equal (150 percent) with eastern Oregon a few percentage points higher.

Due to the amount of remaining snowpack, the NRCS May 1st streamflow volume forecast for the state indicates average to above average streamflows for the majority of Oregon this summer.

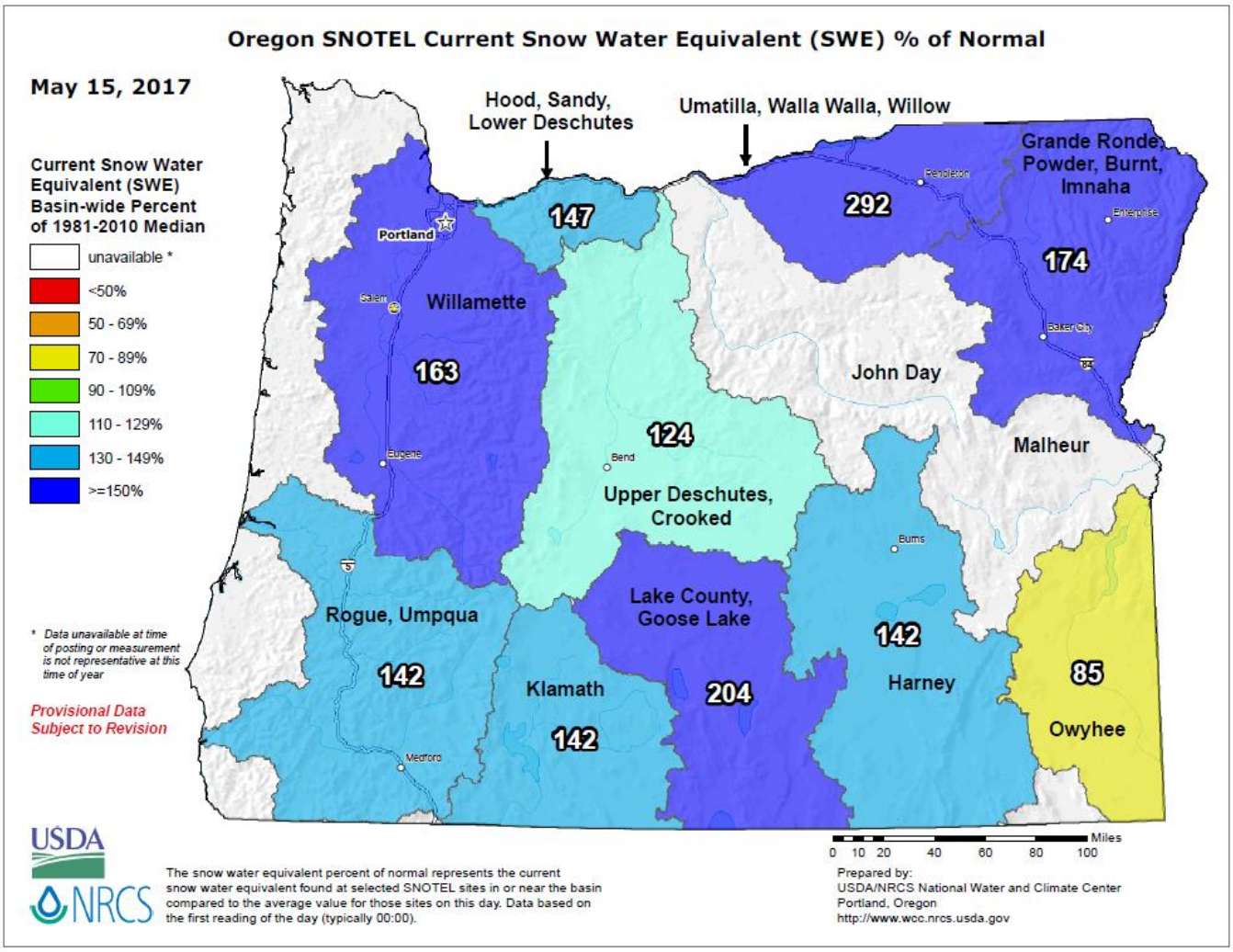
Most of the state's water supply reservoirs are now at maximum capacity. Willamette and Rogue project reservoirs appear to be on track for a good summer season. Central Oregon reservoirs are between 80 and 100 percent of capacity with ample snowmelt expected as the runoff season approaches. With the exception of Phillips Reservoir (80%), most eastern Oregon reservoirs are very close to capacity. 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 US Drought Monitor report indicates that the entire state (100 percent) is no longer listed in any drought category. The last time this condition was observed was in October, 2011. Refer to the map on page 9 for details.

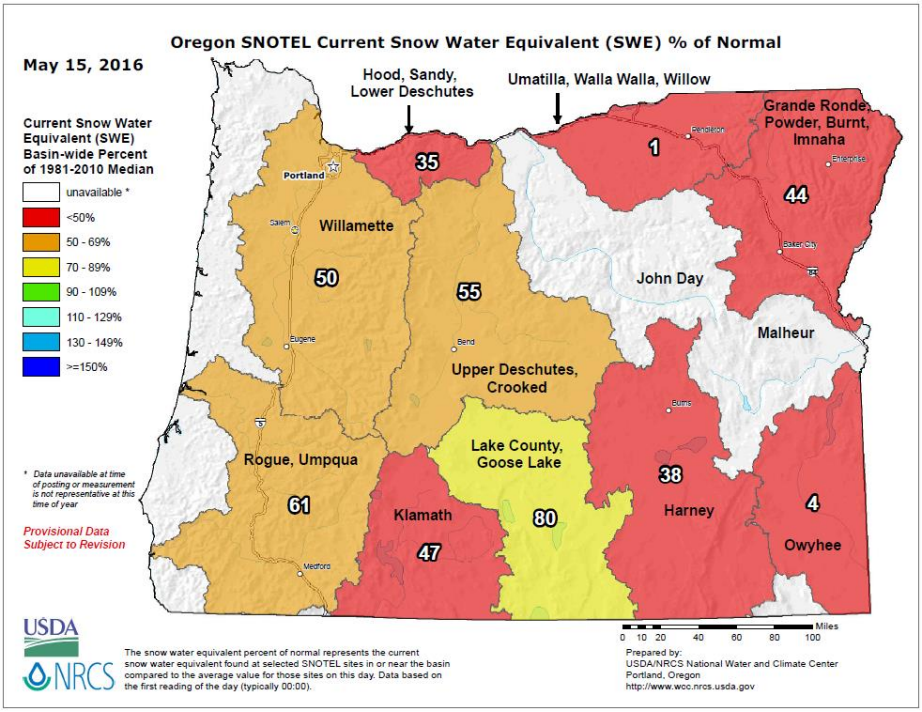
The Oregon Department of Forestry continues to forecast average to below average 2017 fire season. "Despite the recent dry period and warm up, most areas in the state show fuel moistures and fire indices below to near average for this time of year. With a cool and wet year already, and some forecasts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

Data & Products: Page:

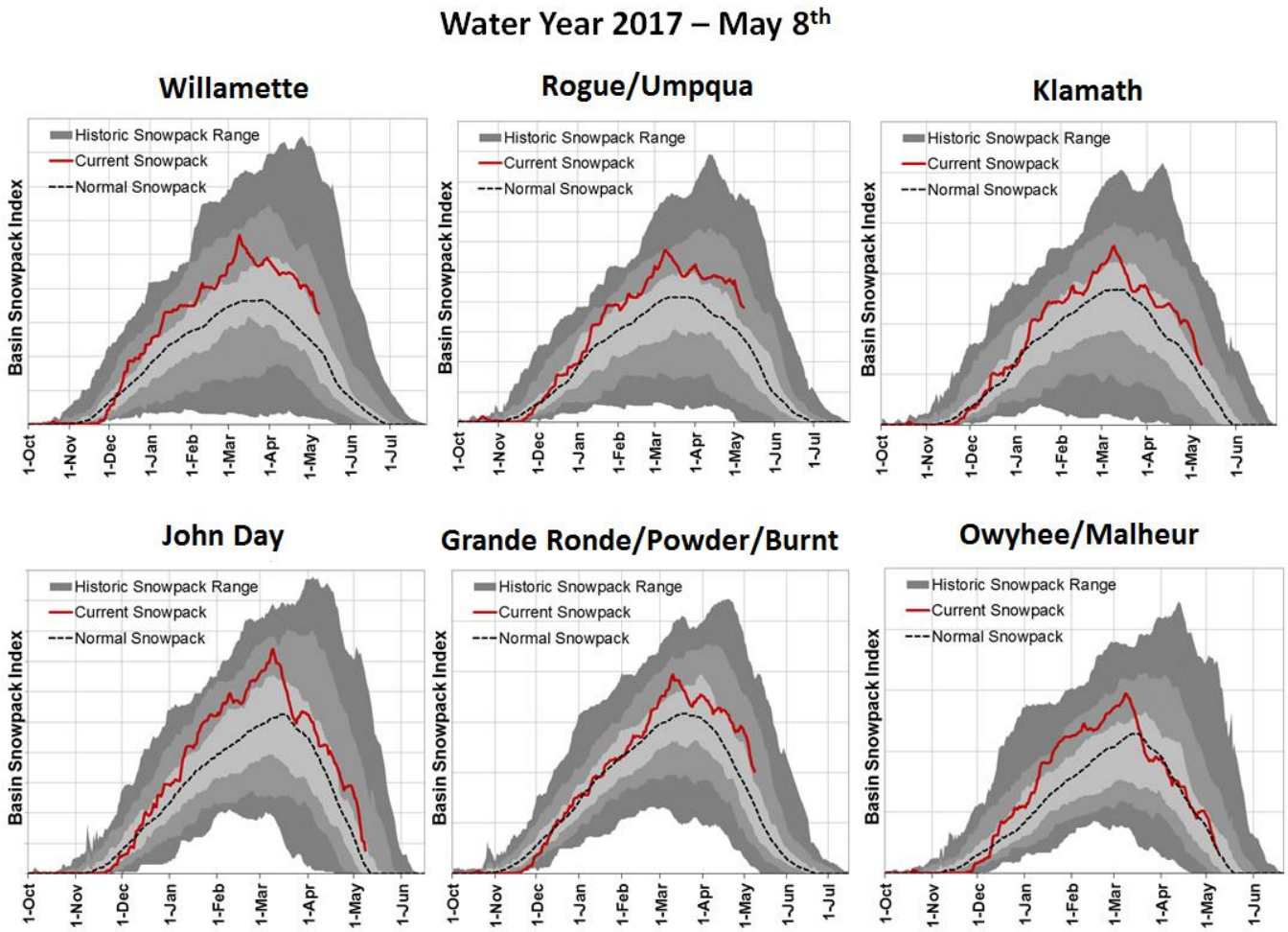
Snowpack - Percent of Normal



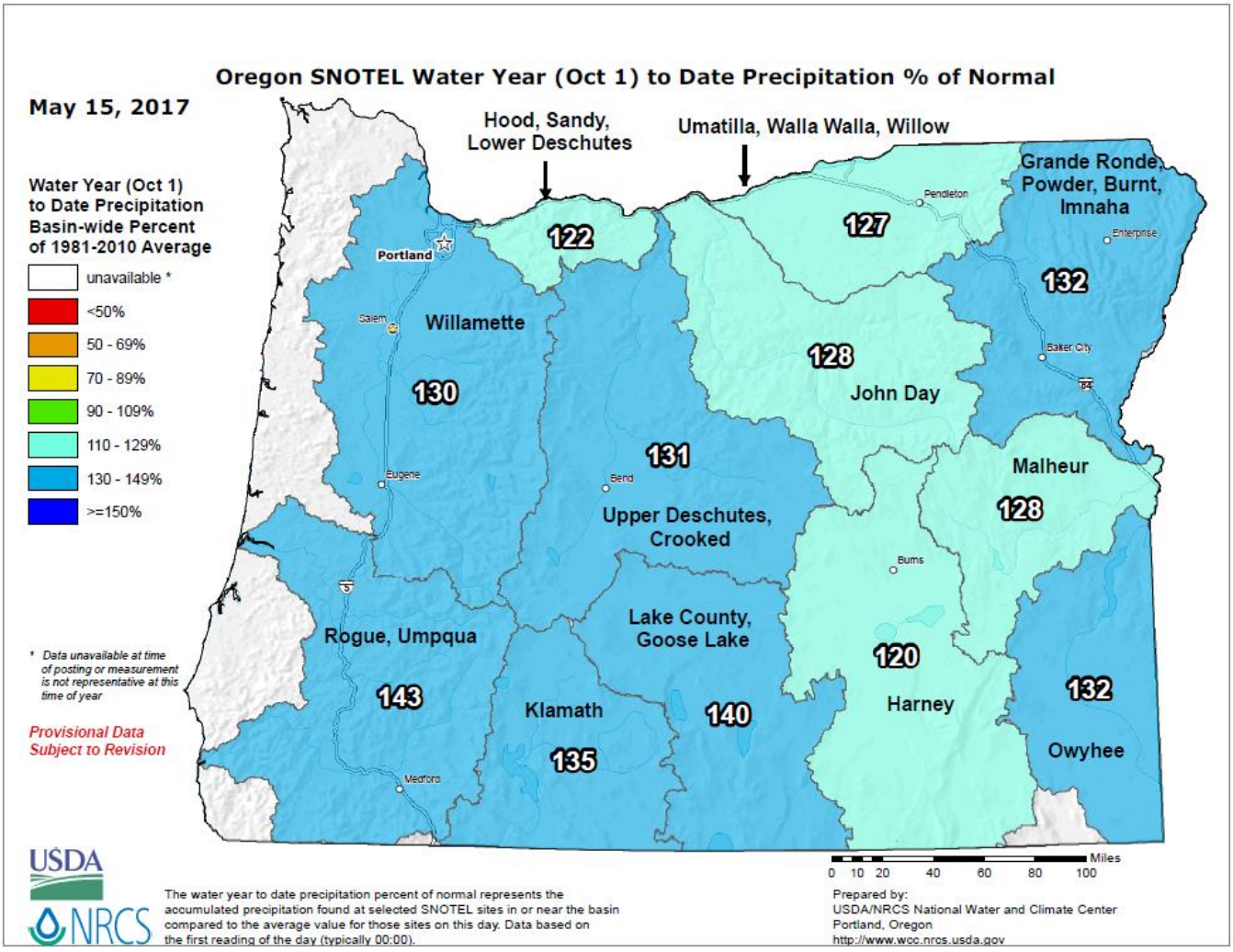
Compared to this time last year -



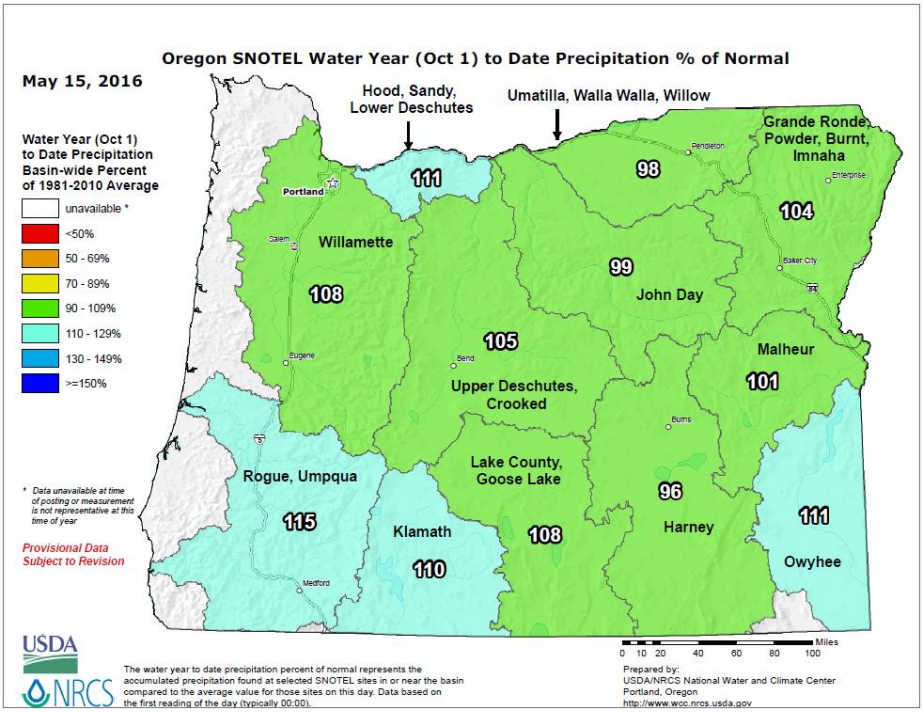
Snowpack - Percent of Normal (continued)



Precipitation (mountain) - Percent of Normal



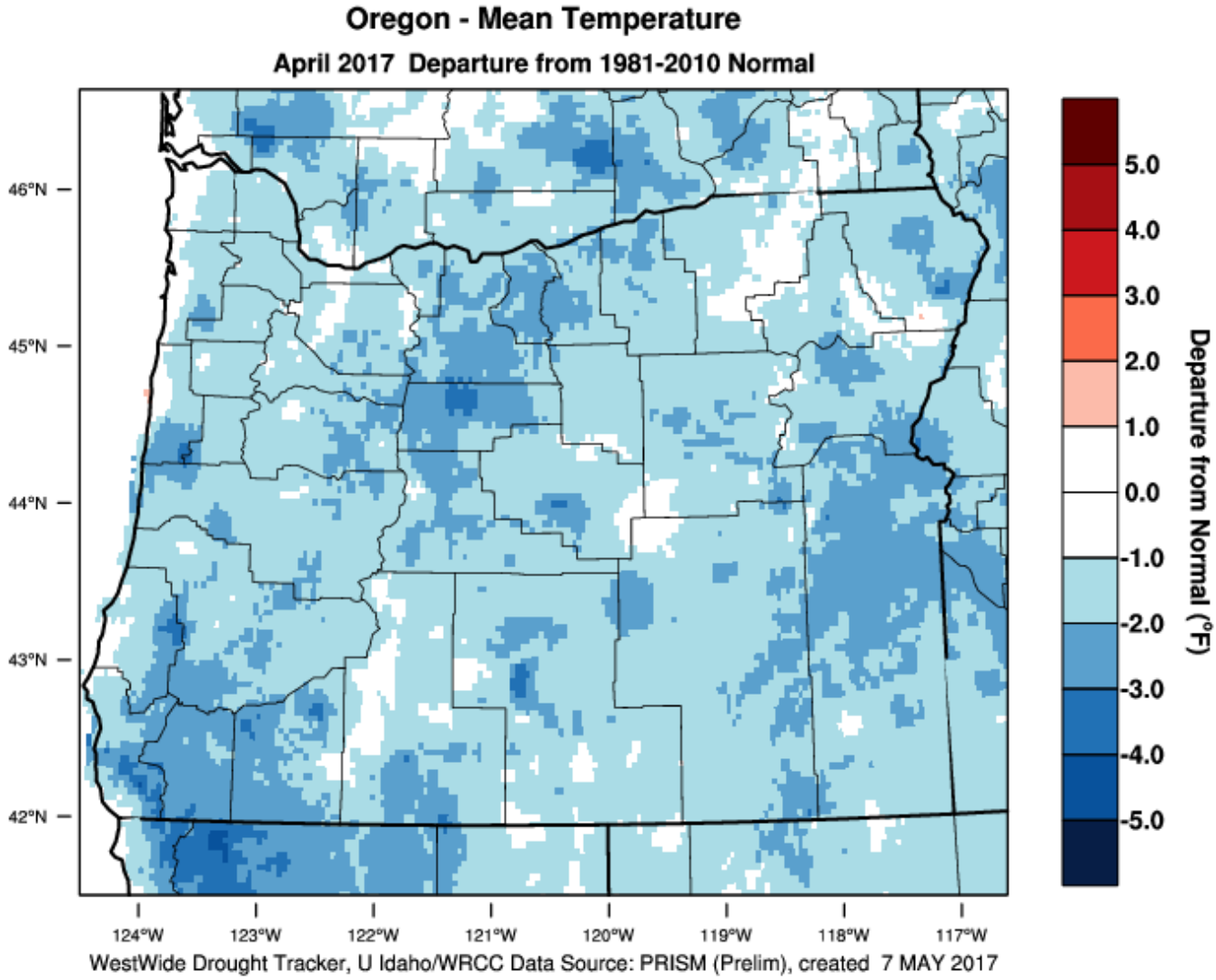
Compared to this time last year -



Temperature – (1 Month) Departure from Normal

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

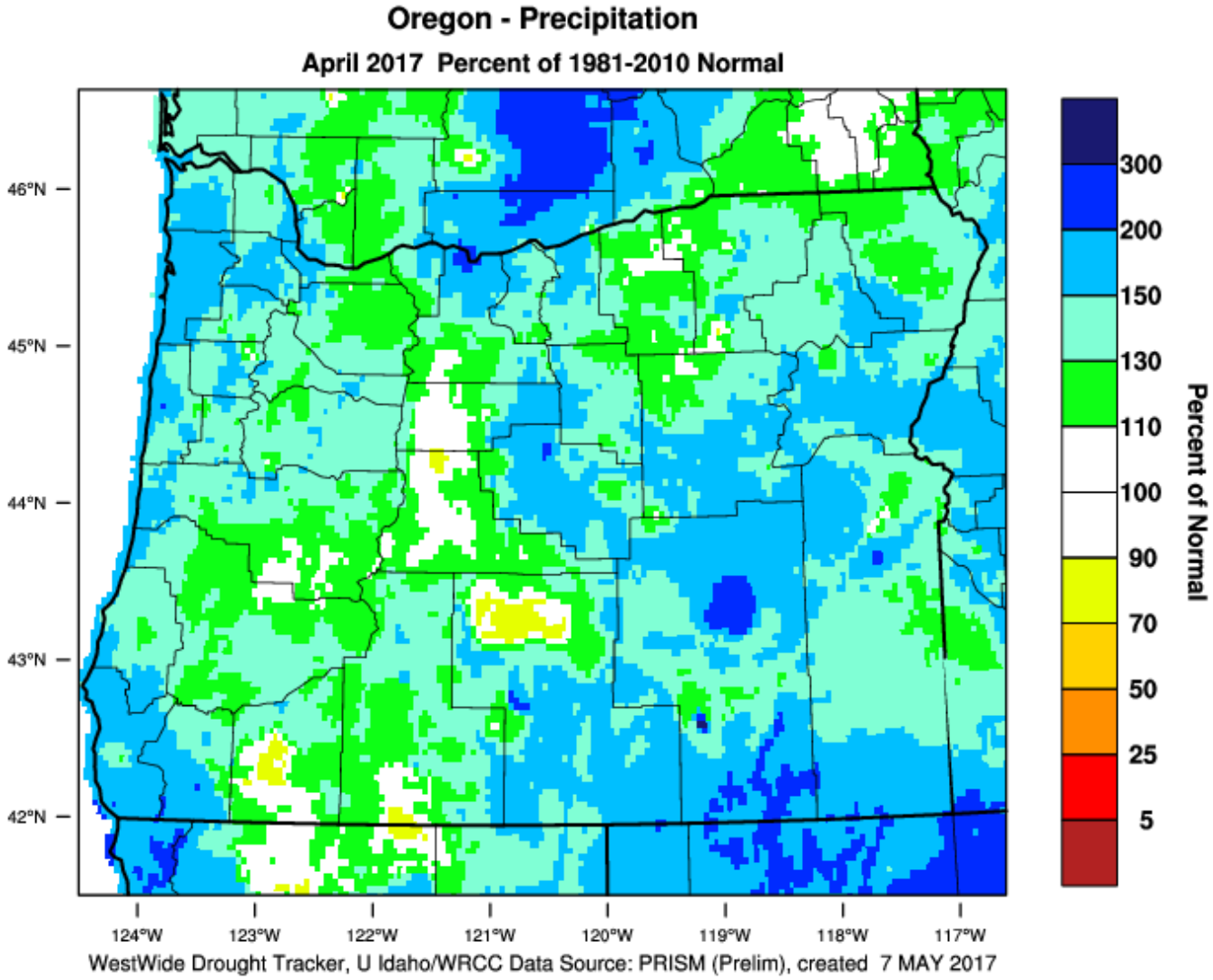
PRISM > Temperature Anomaly 1 Month > Oregon



Precipitation – (1 Month) Percent of Normal

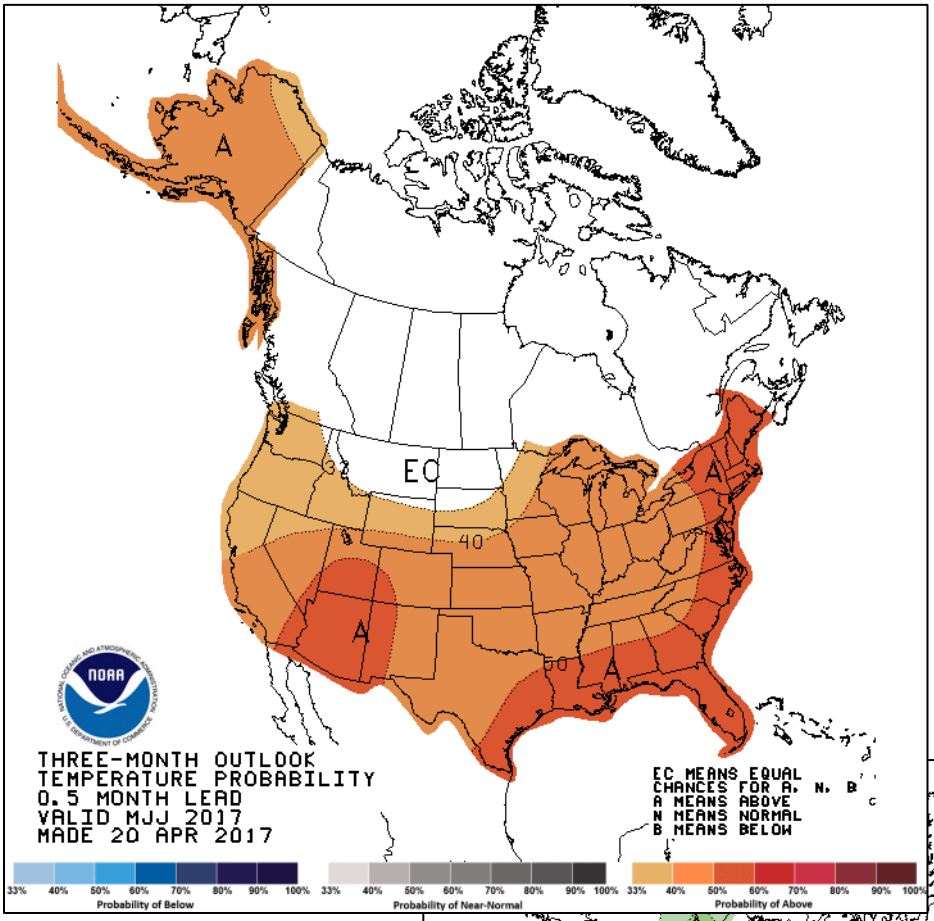
Website: http://www.wrcc.dri.edu/wwdt/index.php?folder=pon1

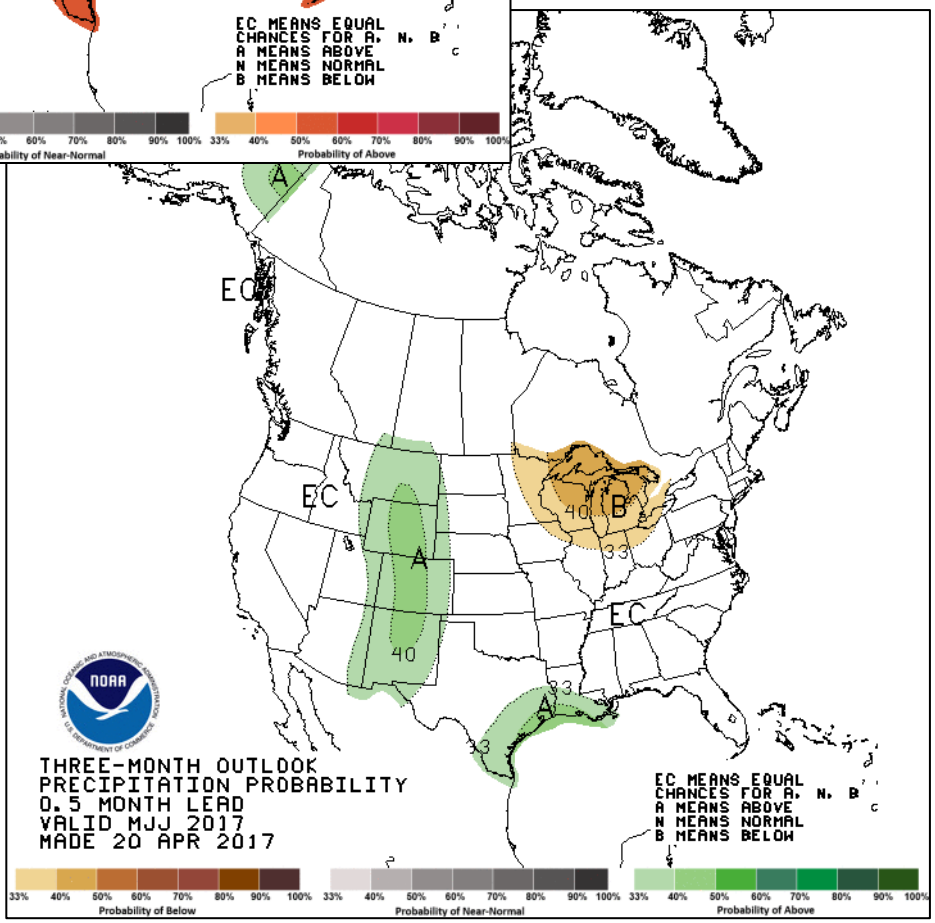
PRISM > Precipitation Anomaly 1 Month > Oregon



Three Month Temperature and Precipitation Outlook

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



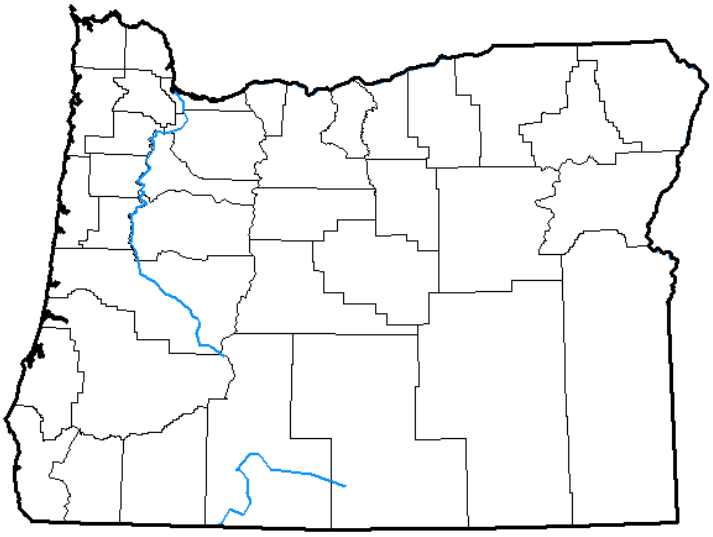


U.S. Drought Monitor for Oregon

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

U.S. Drought Monitor

Oregon



May 9, 2017

(Released Thursday, May. 11, 2017)

Valid 8 a.m. EDT

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 05-02-2017	100.00	0.00	0.00	0.00	0.00	0.00
3 Months Ago 02-07-2017	82.99	17.01	2.98	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 09-27-2016	0.00	100.00	50.59	12.30	0.00	0.00
One Year Ago 05-10-2016	34.27	65.73	26.12	1.00	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:

Brian Fuchs

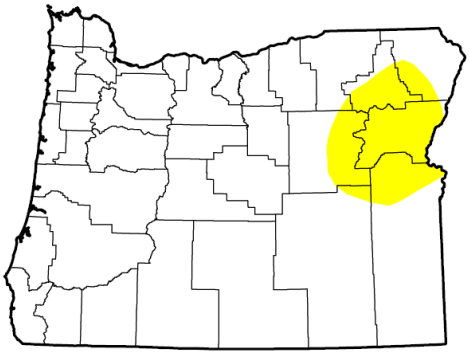
National Drought Mitigation Center

http://droughtmonitor.unl.edu/

Note: Change from February 28, 2017 report

U.S. Drought Monitor

Oregon



February 28, 2017

(Released Thursday, Mar. 2, 2017)

Valid 7 a.m. EST

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	90.33	9.67	0.00	0.00	0.00	0.00
Last Week 2/21/2017	82.99	17.01	2.98	0.00	0.00	0.00
3 Months Ago 11/29/2016	56.44	43.56	23.22	2.63	0.00	0.00
Start of Calendar Year 1/3/2017	65.31	34.69	5.29	0.00	0.00	0.00
Start of Water Year 9/27/2016	0.00	100.00	50.59	12.30	0.00	0.00
One Year Ago 3/1/2016	29.47	70.53	62.92	33.96	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:

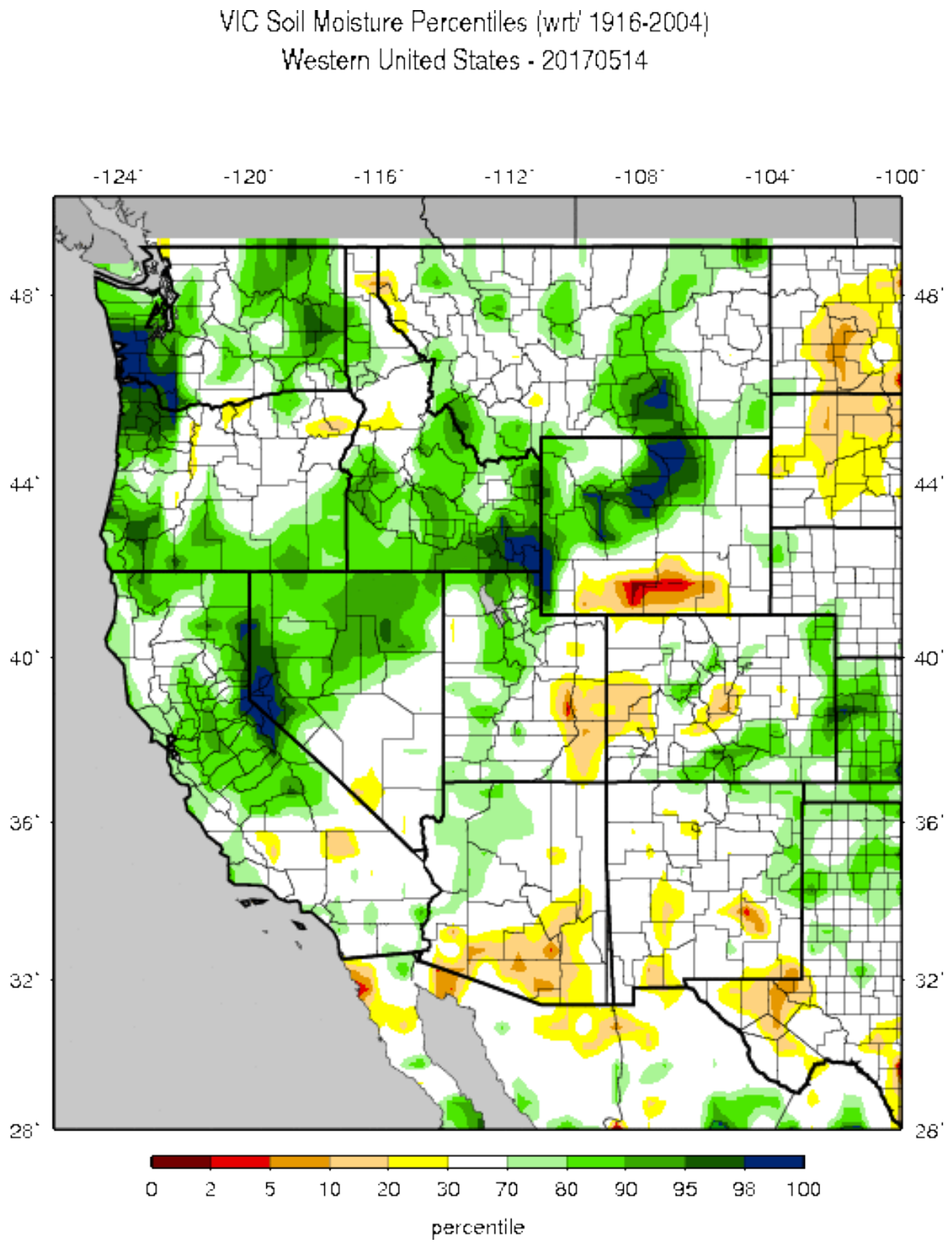
Richard Heim

NCEI/NOAA

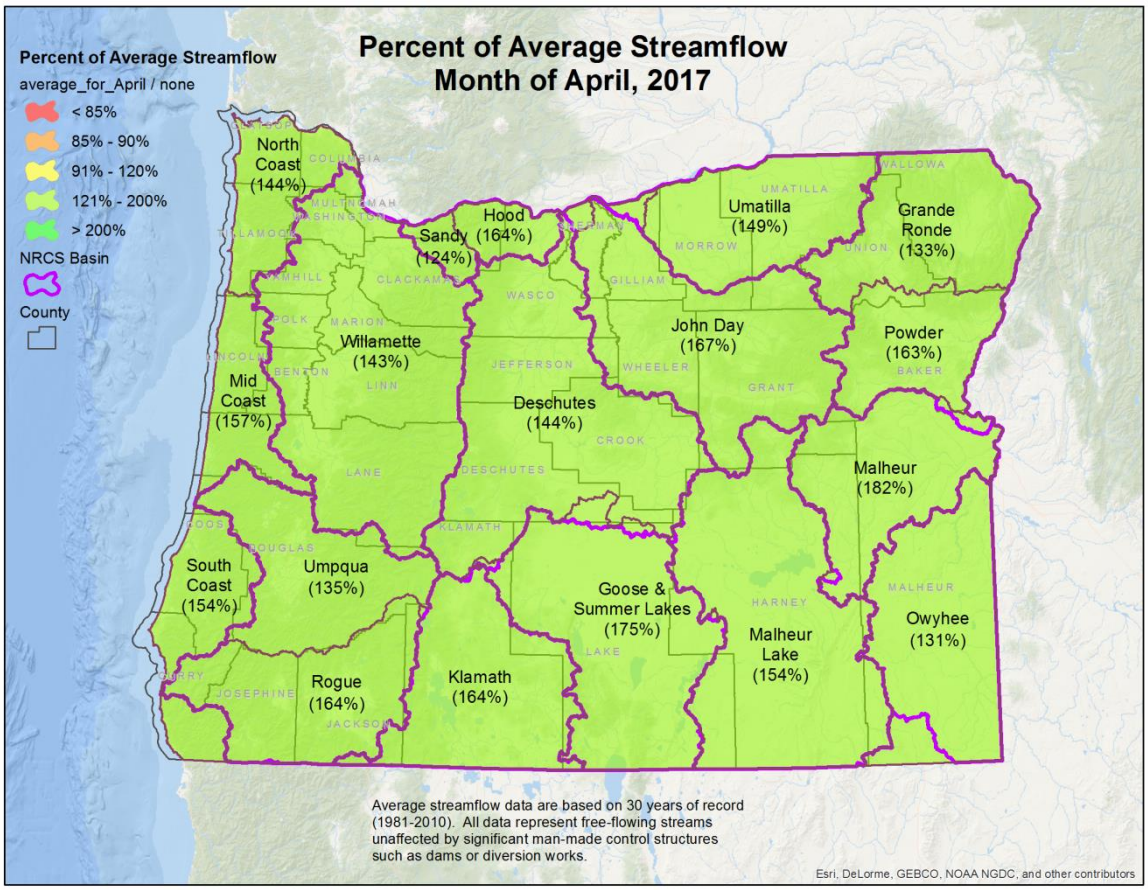
http://droughtmonitor.unl.edu/

Soil Moisture - Percentile

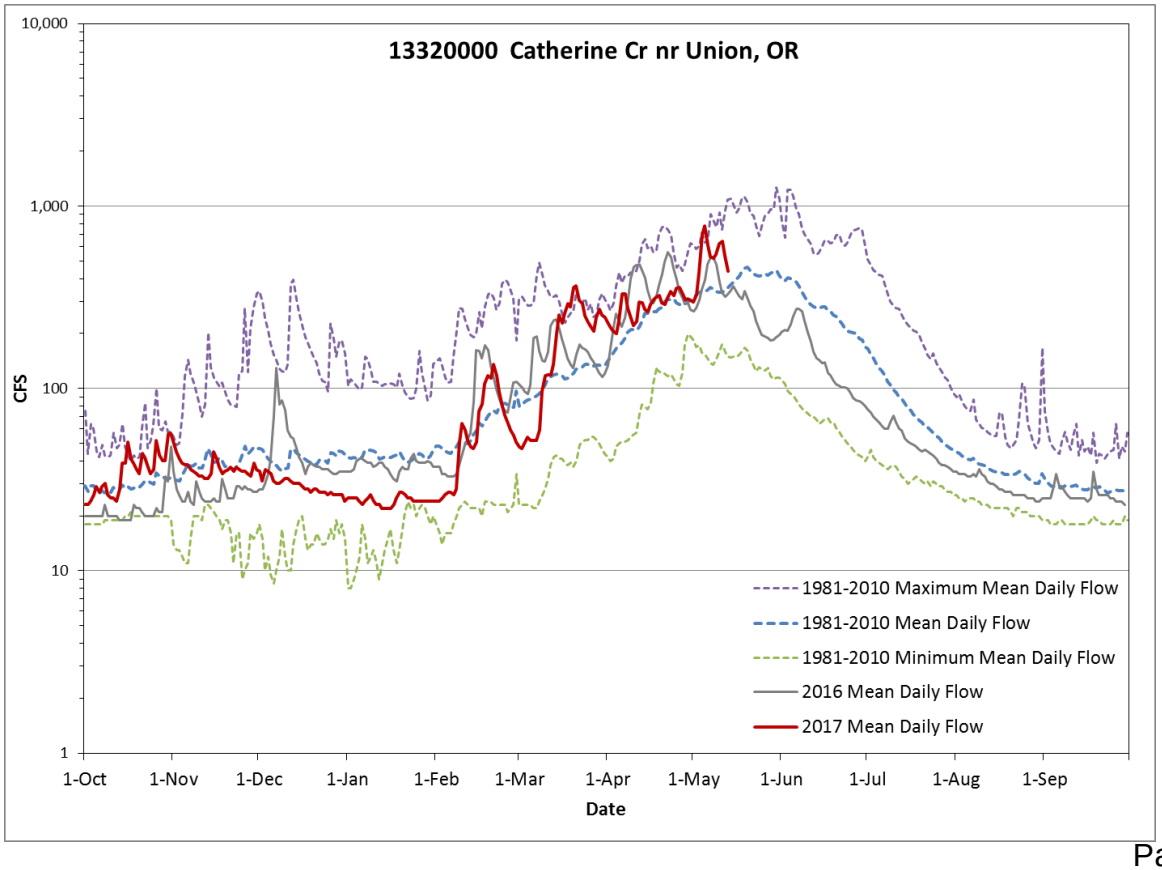
Website:
http://www.hydro.washington.edu/forecast/monitor/curr/conus.mexico/west.vic.sm_qnt.gif



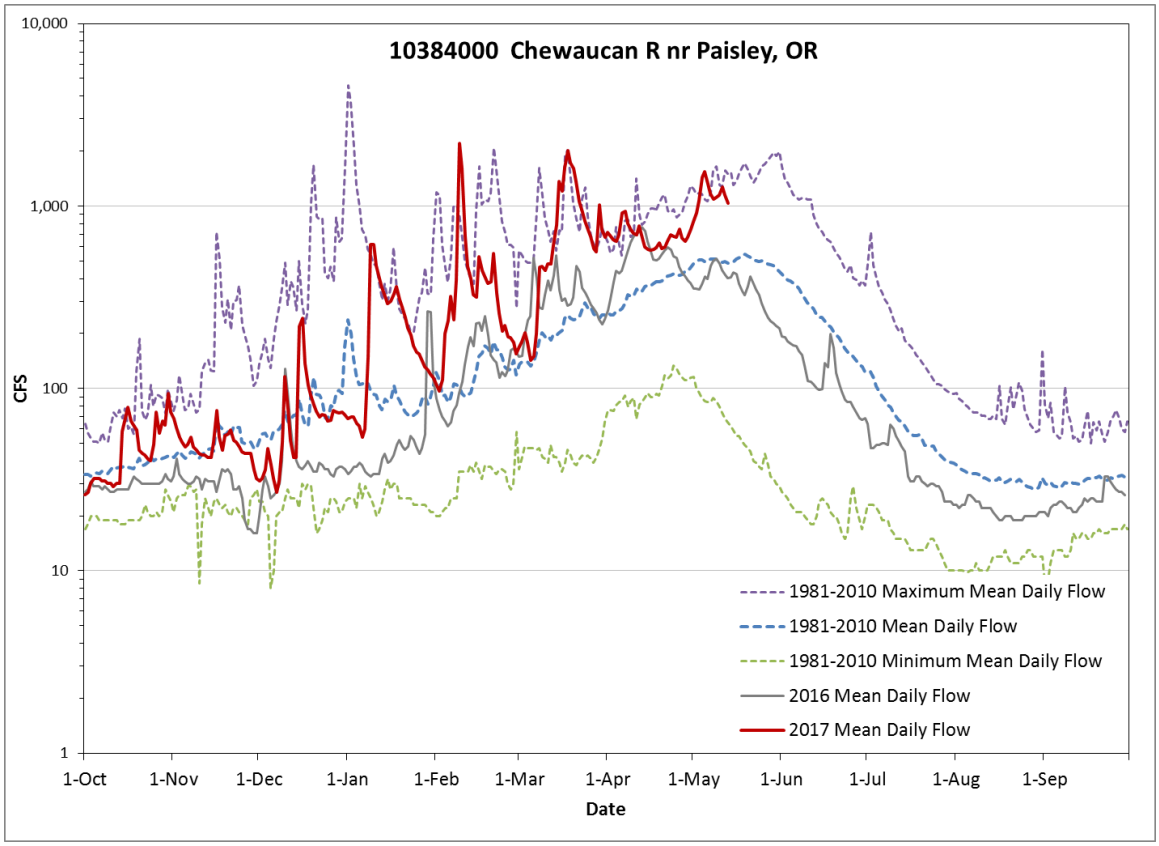
April Regional Streamflow Conditions



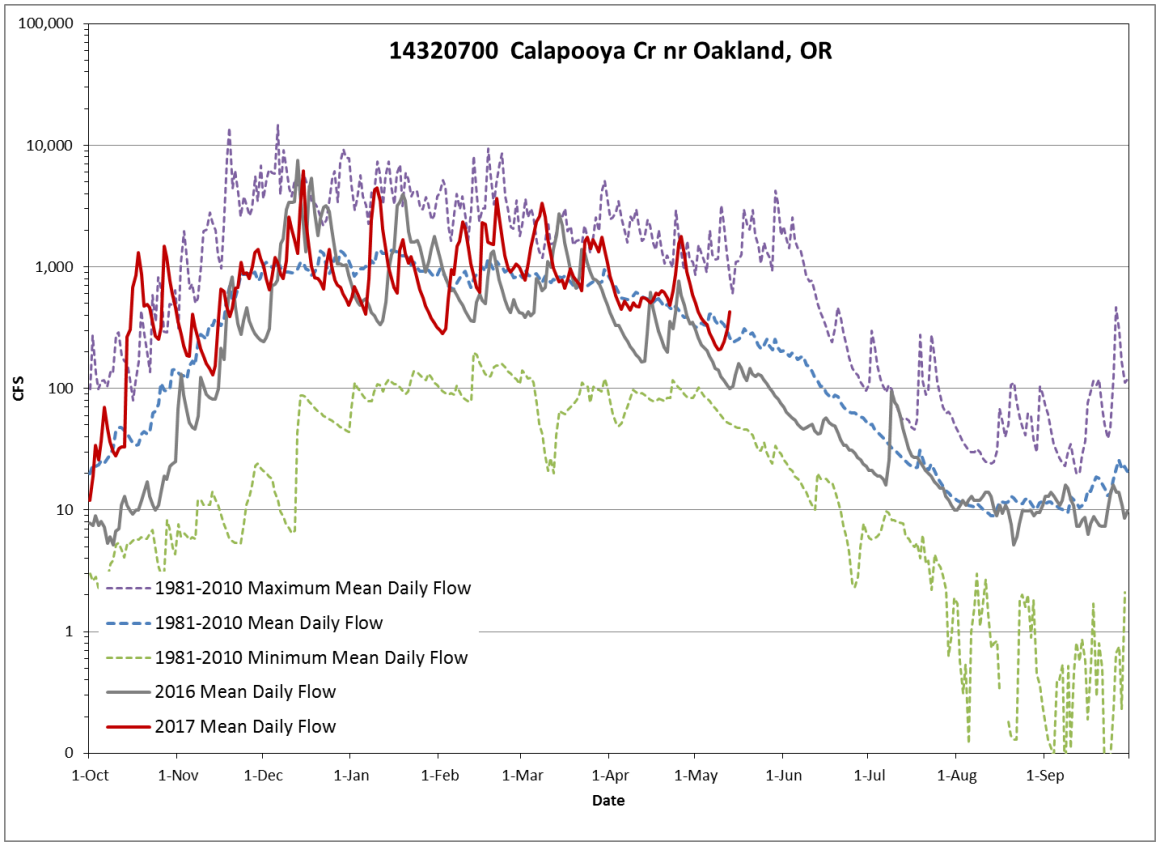
Streamflow Example – Eastern Oregon (Grande Ronde)



Streamflow Example – South Central Oregon (Goose & Summer Lake)



Streamflow Example – Western Oregon (Umpqua)



April Regional Reservoir Storage Conditions