Water Conditions Report June 7, 2016



Summary:

Temperatures during the last two weeks have been above average for western Oregon. In some areas, temperatures were as high as 5 degrees above normal. To compound this, during the month of May, precipitation was below 50 percent of normal for this same area. The outlook for June through August is also calling for above average temperatures for Oregon and much of the United States.

In some parts of the state, streamflows have already receded to almost baseflow conditions. Coastal streams in particular, are of concern. The North Coast, Mid-Coast, and South Coast basins are showing 40 to 60 percent of average streamflow for the month of May. Refer to the hydrographs of the Miami River in Tillamook County and the Yaquina River in Lincoln County for some site-specific examples.

Reservoir storage levels across the state, while lower than average, are still much higher compared to this time last year. While it appears there may be adequate supply from most reservoirs, it is likely that there could be limited availability from live flow later in the irrigation season.

The U.S. Drought Monitor released last Thursday shows nearly 80 percent of Oregon as abnormally dry. This is 15 percent increase from a month ago.

Currently, there are 8 Oregon counties under a USDA federal drought designation: Baker, Deschutes, Harney, Jackson, Josephine, Klamath, Lake, and Malheur counties.

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Temperature Departures

Website: http://www.wrcc.dri.edu/anom/ore_anom.html



Three Month Outlook (June-July-August 2016)

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



NRCS June 1 Snowpack Plots



SNOTEL Water Year (Oct 1) to Date Precipitation % of Normal

Website: http://www.wcc.nrcs.usda.gov/ftpref/gis/images/or_wytdprecpctnormal_update.png



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

U.S. Drought Monitor
Oregon



May 31, 2016
(Released Thursday, Jun. 2, 2016)
Valid 8 a.m. EDT

Drought Conditions (Percent Area)						
	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	20.20	79.80	24.13	0.00	0.00	0.00
Last Week 5/24/2016	20.39	79.61	24.74	0.00	0.00	0.00
3 Months Ago 3/1/2016	29.47	70.53	62.92	33.96	0.00	0.00
Start of Calendar Year 12/29/2015	14.52	85.48	80.45	65.33	39.55	0.00
Start of Water Year 9/29/2015	0.00	100.00	100.00	100.00	67.29	0.00
One Year Ago 6/2/2015	0.00	100.00	88.27	68.48	34.09	0.00

<u>Intensity:</u>





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/



Website: http://www.usda.gov/documents/usda-drought-fast-track-designations.pdf



Website: http://www.nwd-wc.usace.army.mil/nwp/teacup/willamette/

Reservoir	Percent Full on June 6, 2016
Blue River Reservoir	79 percent
Cottage Grove Reservoir	94 percent
Cougar Reservoir	20 percent
Detroit Reservoir	82 percent
Dorena Reservoir	83 percent
Fall Creek Reservoir	80 percent
Fern Ridge Reservoir	98 percent
Foster Reservoir	88 percent
Green Peter Reservoir	69 percent
Hills Creek Reservoir	53 percent
Lookout Point Reservoir	46 percent
Willamette Project Total:	65 percent



Reservoir Storage – Tualatin River Basin

Website: http://www.usbr.gov/pn/hydromet/tuatea.html

Reservoir	Percent Full on June 5, 2016
Scoggins Dam/Henry Hagg L.	97 percent



PROVISIONAL DATA - SUBJECT TO CHANGE!

Reservoir Storage – Deschutes Basin

Website: http://www.usbr.gov/pn/hydromet/destea.html

Reservoir	Percent Full on June 5, 2016
Crescent Lake	69 percent
Wickiup Reservoir	68 percent
Crane Prairie Reservoir	81 percent
Prineville Reservoir	91 percent
Ochoco Reservoir	90 percent
Haystack Reservoir	81 percent



PROVISIONAL DATA - Subject to Change

Reservoir Storage – Umatilla River Basin

Website: http://www.usbr.gov/pn/hydromet/umatilla/umatea.html

Reservoir	Percent Full on June 5, 2016
McKay Reservoir	75 percent
Cold Springs Reservoir	46 percent

06/05/2016



PROVISIONAL DATA - SUBJECT TO CHANGE!

Reservoir Storage – Southeastern Oregon

Website: <u>http://www.usbr.gov/pn/hydromet/owytea.html</u> (Provisional Data)

Reservoir	Percent Full on June 5, 2016
Phillips Reservoir	45 percent
Thief Valley Reservoir	97 percent
Unity Reservoir	82 percent
Beulah Reservoir	81 percent
Bully Creek Reservoir	85 percent
Warm Springs Reservoir	54 percent
Owyhee Reservoir	62 percent



NOTE: This graphic does not depict 400,000 acre-feet of water that is maintained in Owyhee reservoir. PROVISIONAL DATA - SUBJECT TO CHANGE!

Reservoir Storage – Rogue River Basin

Website: <u>http://www.usbr.gov/pn/hydromet/roguetea.html</u> Website: <u>http://www.nwd-wc.usace.army.mil/nwp/teacup/rogue/</u> (Applegate & Lost Creek)

Reservoir	Percent Full on June 5, 2016
Agate Reservoir	90 percent
Applegate Reservoir	97 percent
Emigrant Lake	91 percent
Fish Lake	73 percent
Fourmile Lake	59 percent
Howard Prairie	68 percent
Hyatt Reservoir	72 percent
Lost Creek Reservoir	93 percent

06/05/2016



PROVISIONAL DATA - SUBJECT TO CHANGE!

Reservoir Storage – Klamath River Basin

Website: http://www.usbr.gov/pn/hydromet/klamath/teacup.html (Provisional Data)

Reservoir	Percent Full on June 6, 2016
Upper Klamath Lake	86 percent
Clear Lake	28 percent
Gerber Reservoir	43 percent



