

Oregon

Water Conditions Report

August 1, 2016



Precipitation for July was above normal for much of the state. This helped reduce water demand and helped to improve streamflow as well. While this was instrumental in improving water supply conditions statewide, it is not expected to continue in appreciable amounts for the rest of the growing season.

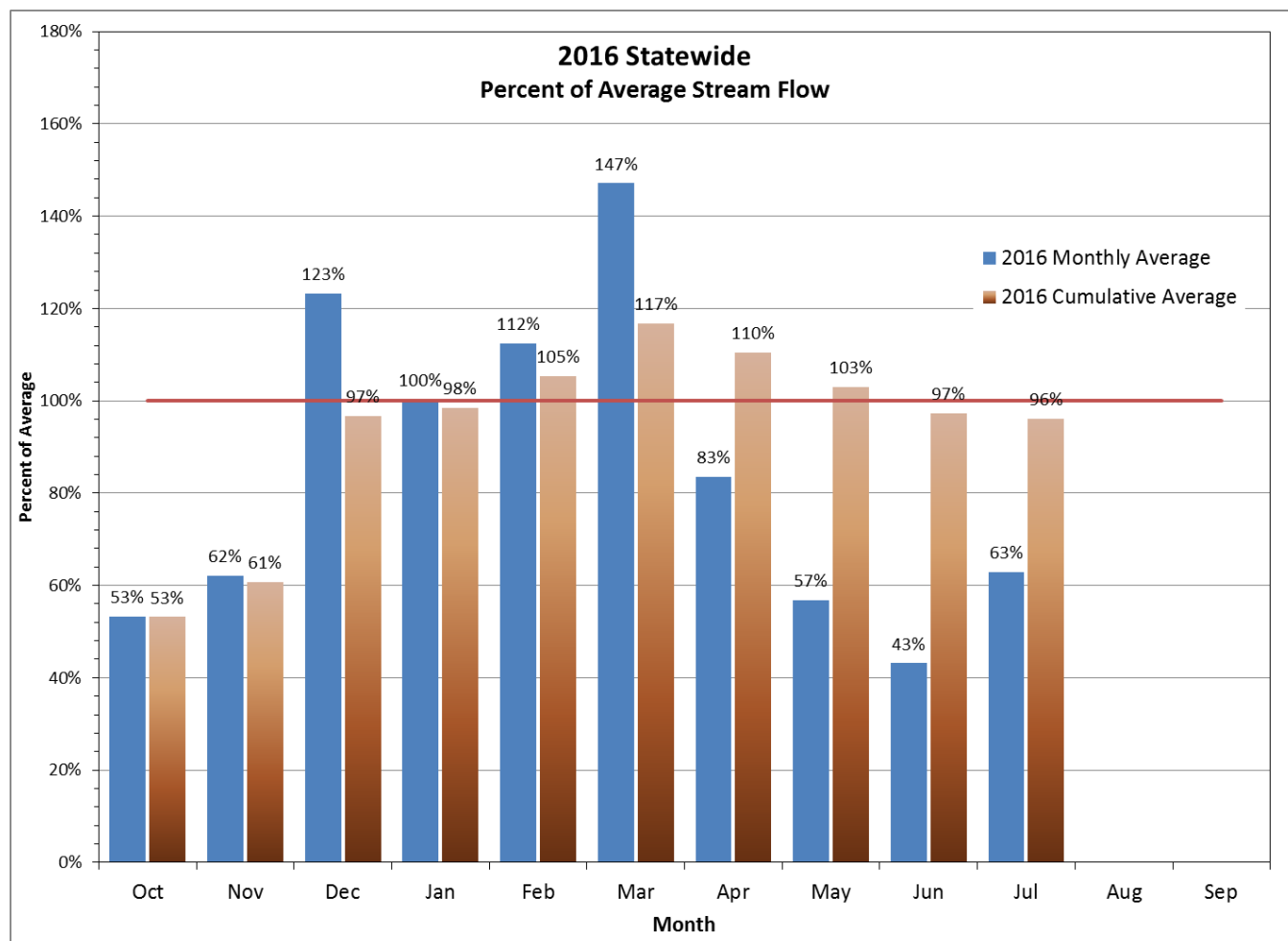
Temperature Outlook is for above-normal temperatures through October. While July temperatures were for the most part below normal, NOAA's Climate Prediction Center is calling for above normal temperatures through the August to October outlook period.

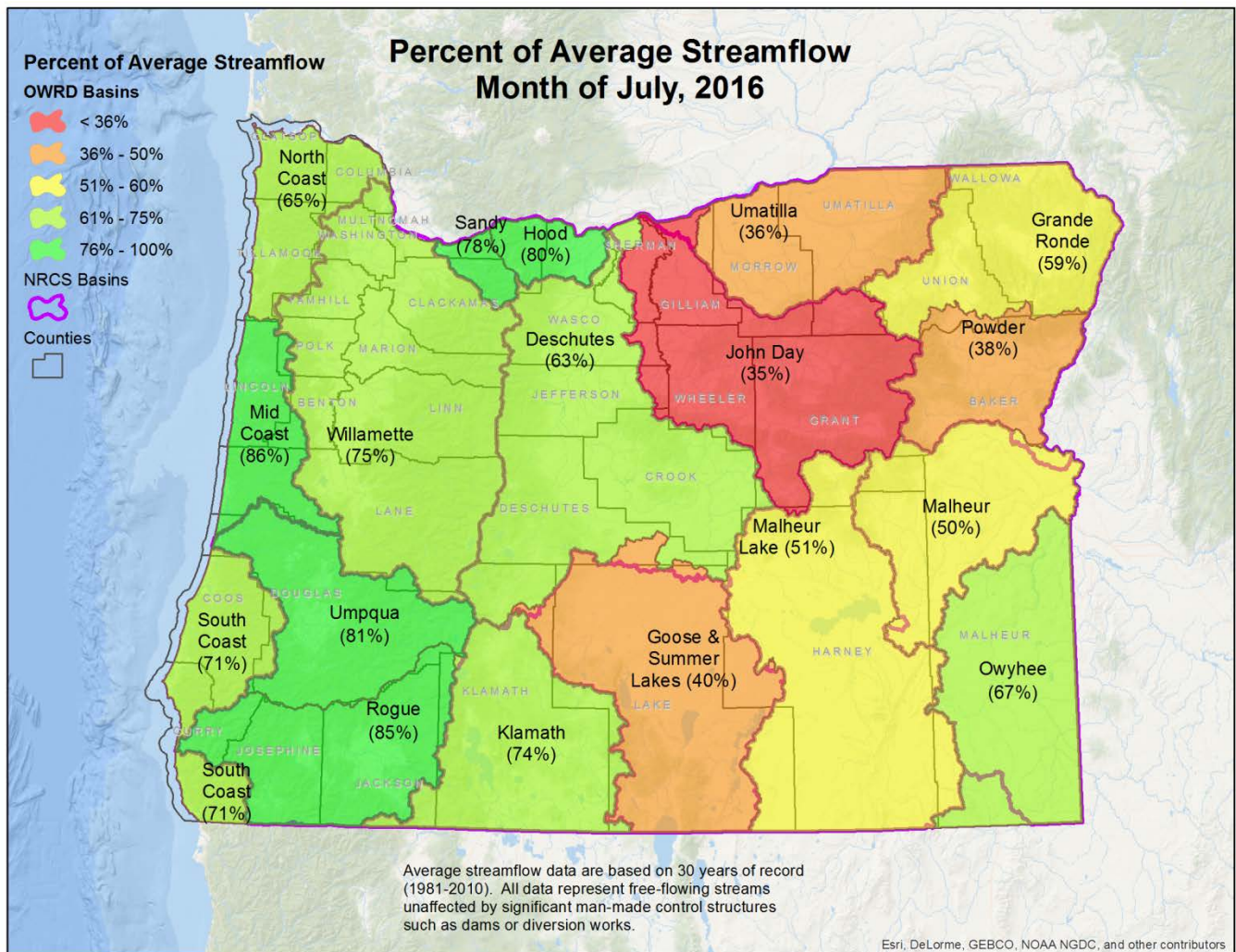
Statewide average streamflows for July were over 60 percent of normal. This is an improvement over the 44 percent in June and a marked improvement over 32 percent seen during this period in 2015. While streamflows improved in most areas west of the Cascade Range, basins that appear to be the most heavily stressed are the John Day, Umatilla, Powder, Goose & Summer Lake (35 to 40 percent), and the Malheur and Malheur Lake Basins (50 and 51 percent). In spite of the recent unseasonably showery weather, streamflows in some of these basins remain at very low levels. If temperatures return to above normal or even close to normal conditions, it will likely contribute to a marked reduction in streamflow.

The Drought Monitor shows 100 percent of the state abnormally dry. As of July 26, the entire state is in the D0 category (abnormally dry). The Mid Coast and Eastern Oregon regions, almost 50 percent of the state, are also listed in the D1 category (moderate drought). No change is noted from the report released two weeks ago. Soil moisture sensors are showing dry conditions within these areas.

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Streamflow Conditions

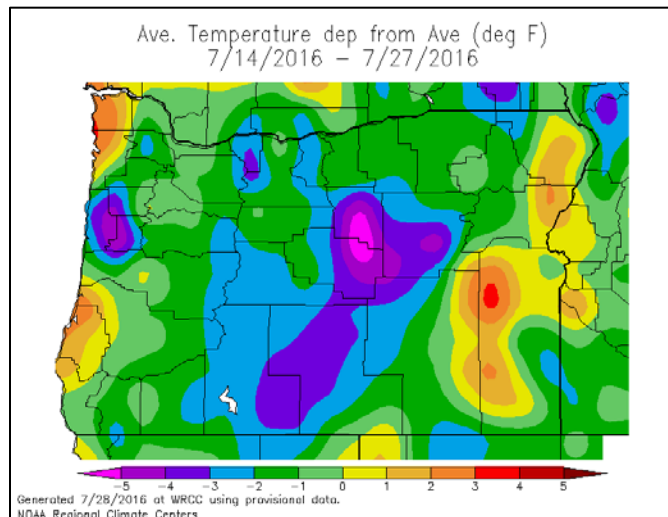




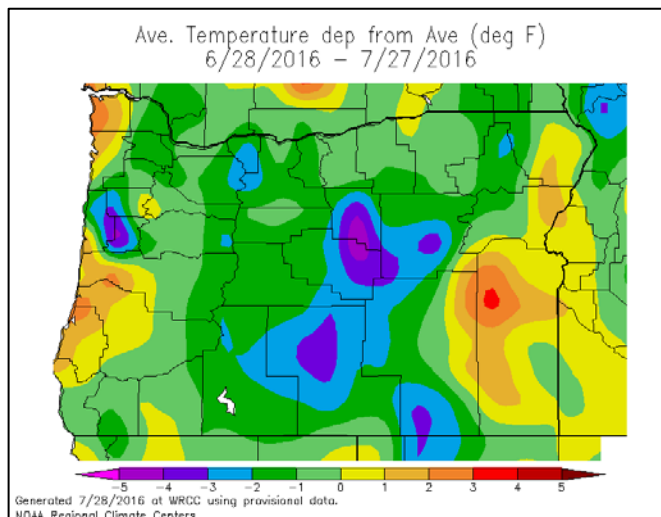
Temperature Departures

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

Last 14 days

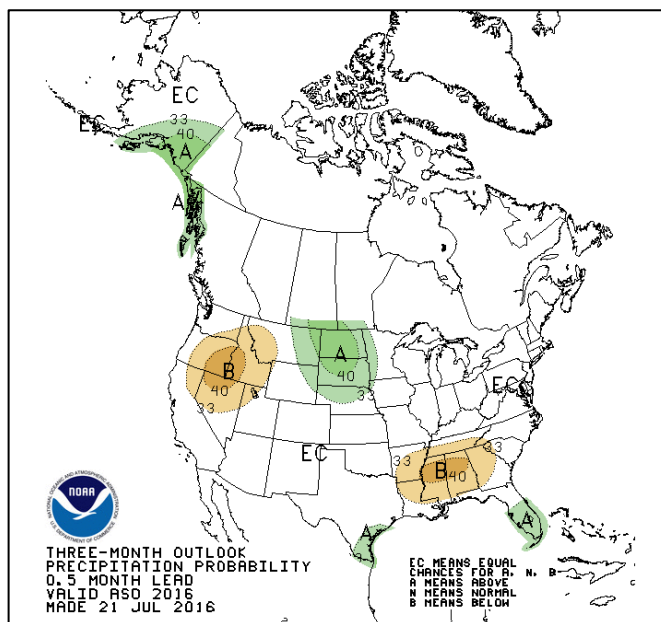
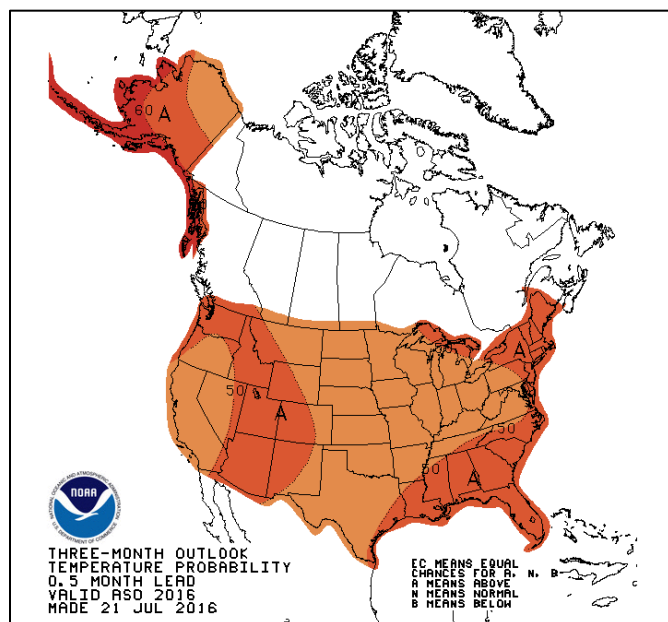


Last 30 days



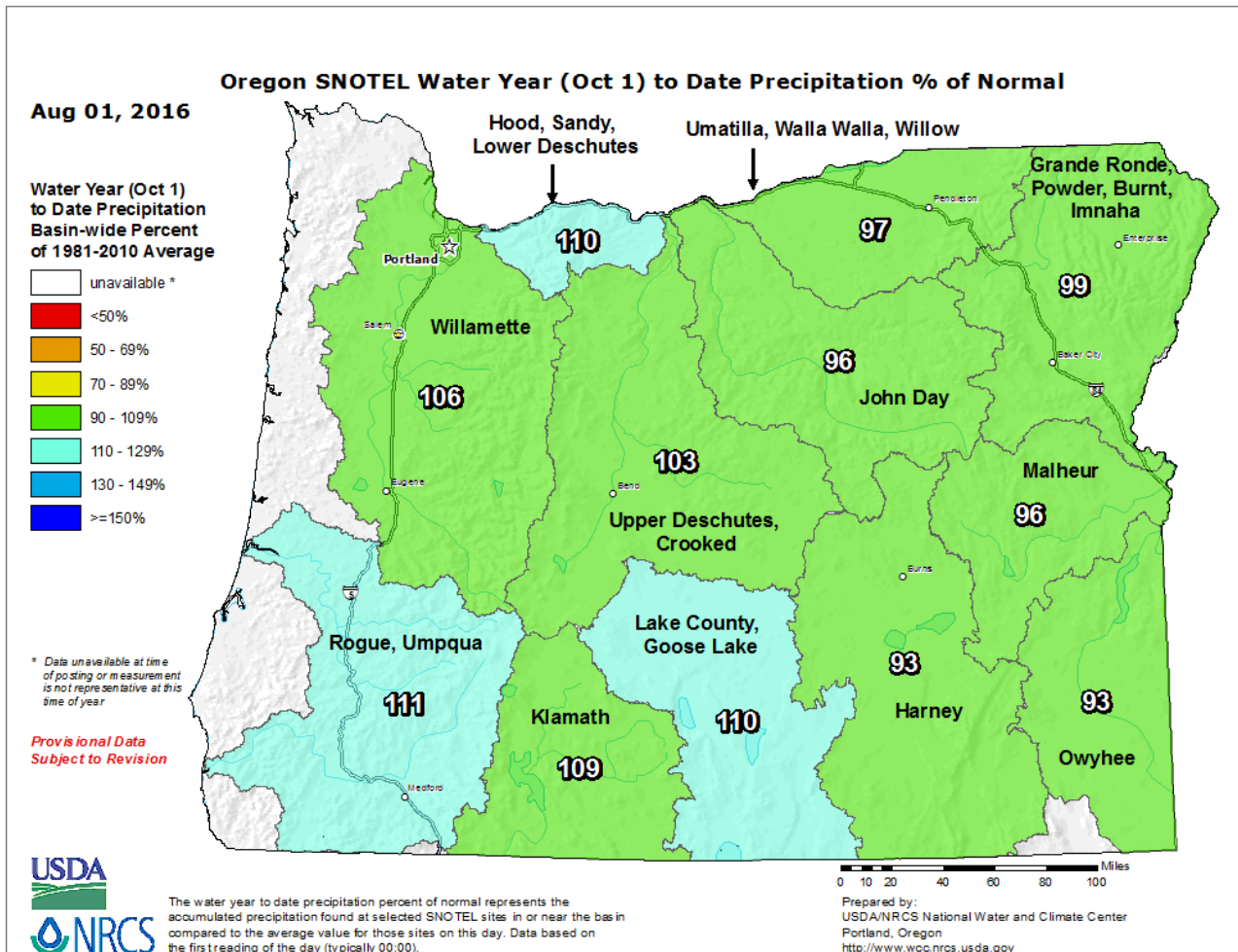
Three Month Outlook (August-September-October 2016)

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



Precipitation – Water Year to Date

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



Drought Monitor for Oregon (July 26, 2016)

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

U.S. Drought Monitor Oregon

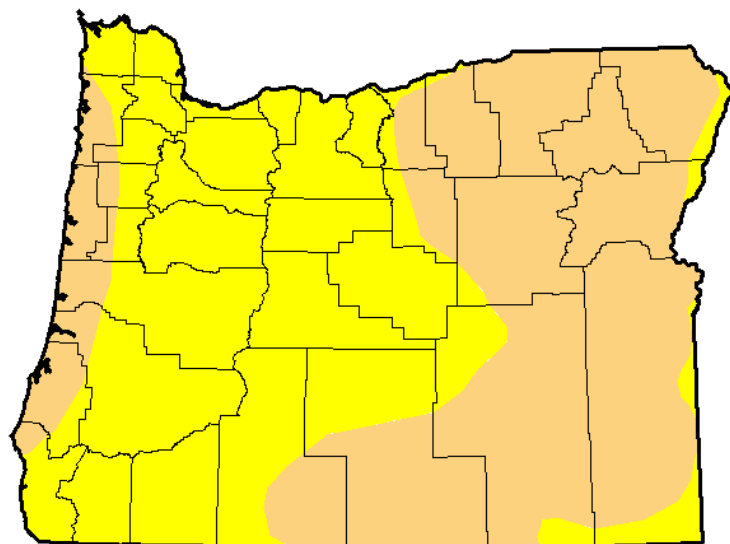
July 26, 2016

(Released Thursday, Jul. 28, 2016)

Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	0.00	100.00	49.75	0.00	0.00	0.00
Last Week 7/19/2016	0.00	100.00	49.75	0.00	0.00	0.00
3 Months Ago 4/26/2016	47.03	52.97	26.12	1.00	0.00	0.00
Start of Calendar Year 1/2/2015	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 7/26/2015	0.00	100.00	100.00	100.00	48.31	0.00



Intensity:

 D0 Abnormally Dry	 D3 Extreme Drought
 D1 Moderate Drought	 D4 Exceptional Drought
 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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U.S. Department of Agriculture



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

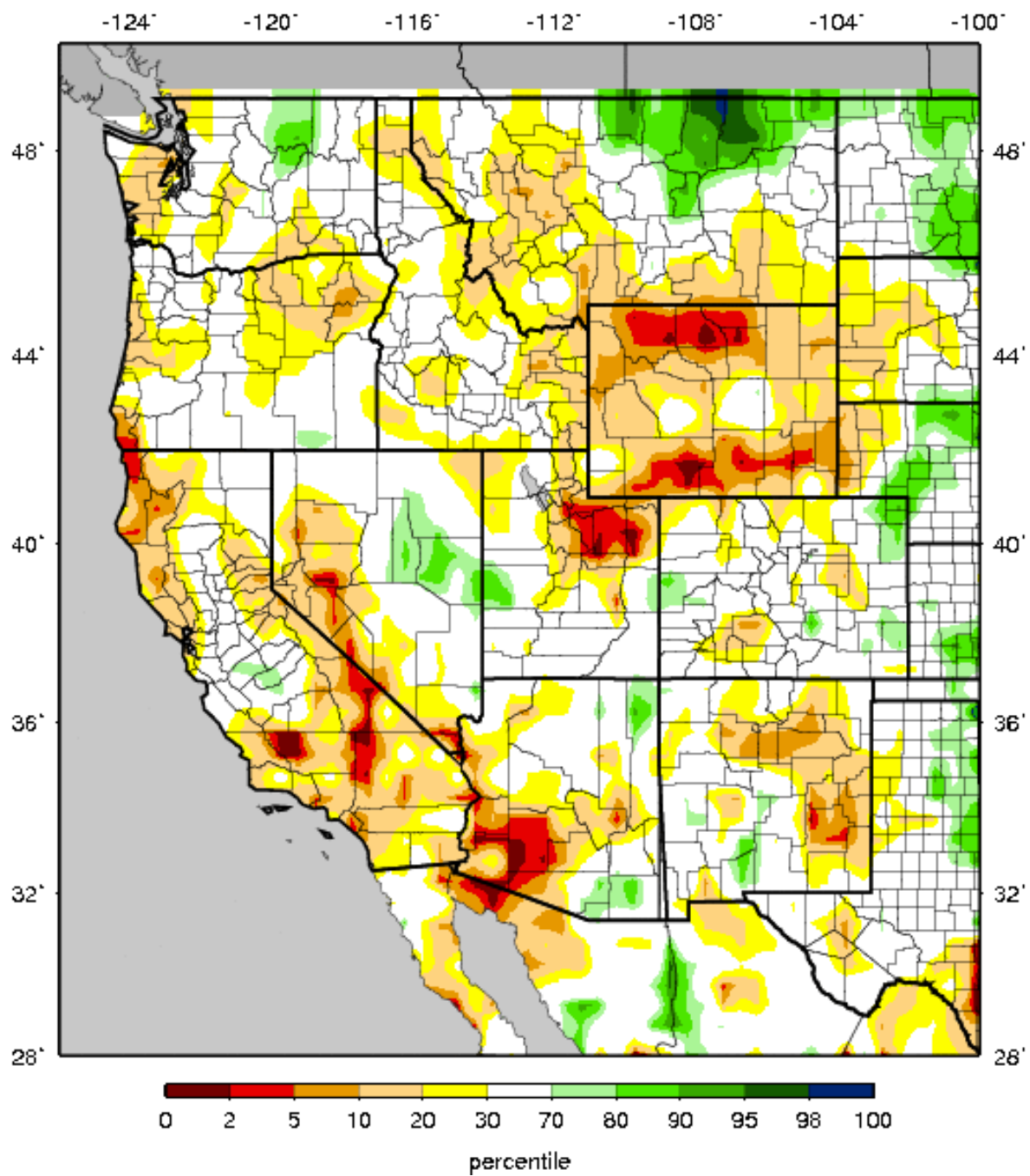
Note: No Change from the July 19, 2016 report.

Soil Moisture

Website:

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

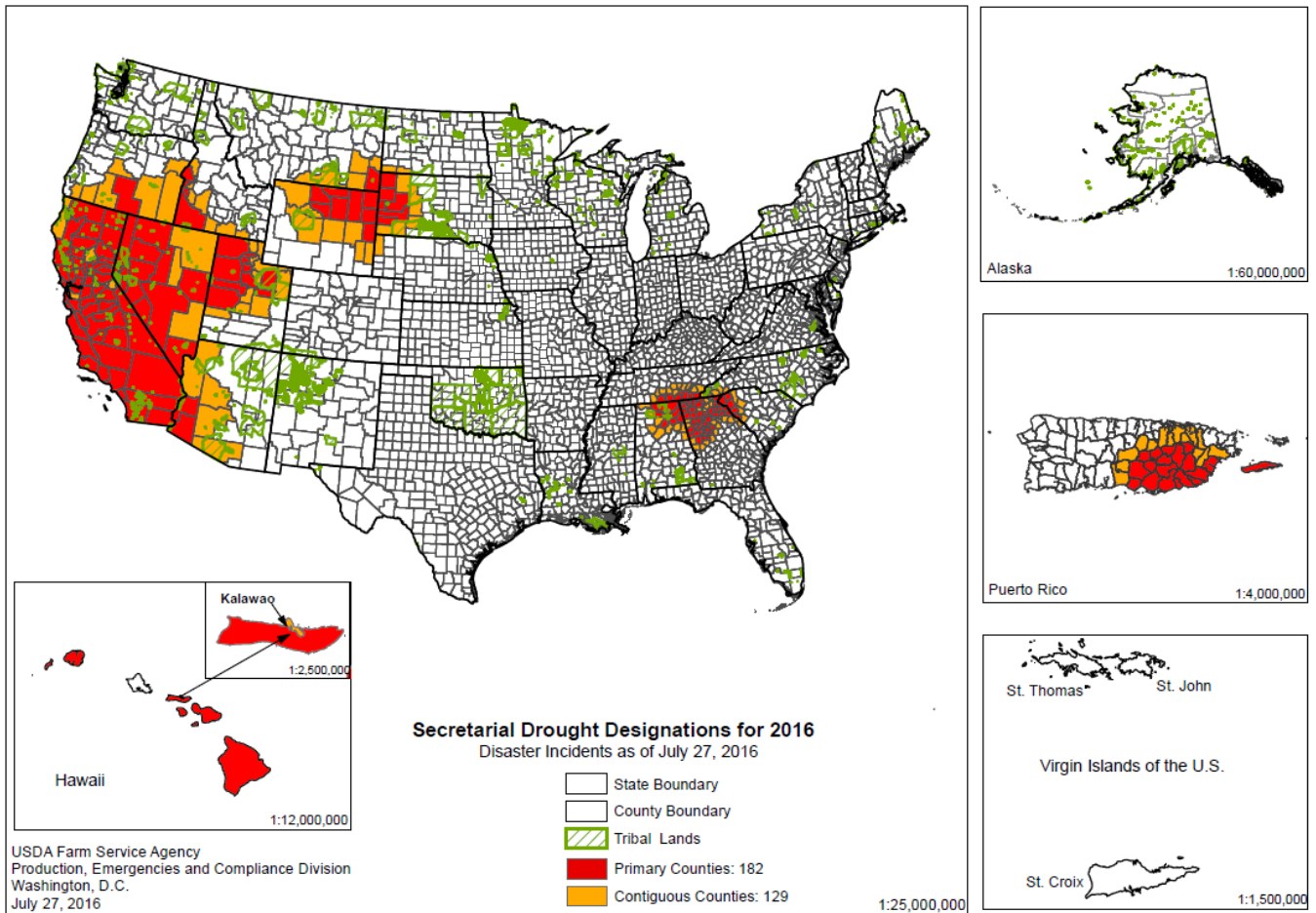
VIC Soil Moisture Percentiles (wrt/ 1916-2004)
Western United States - 20160727



USDA Federal Drought Designations

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

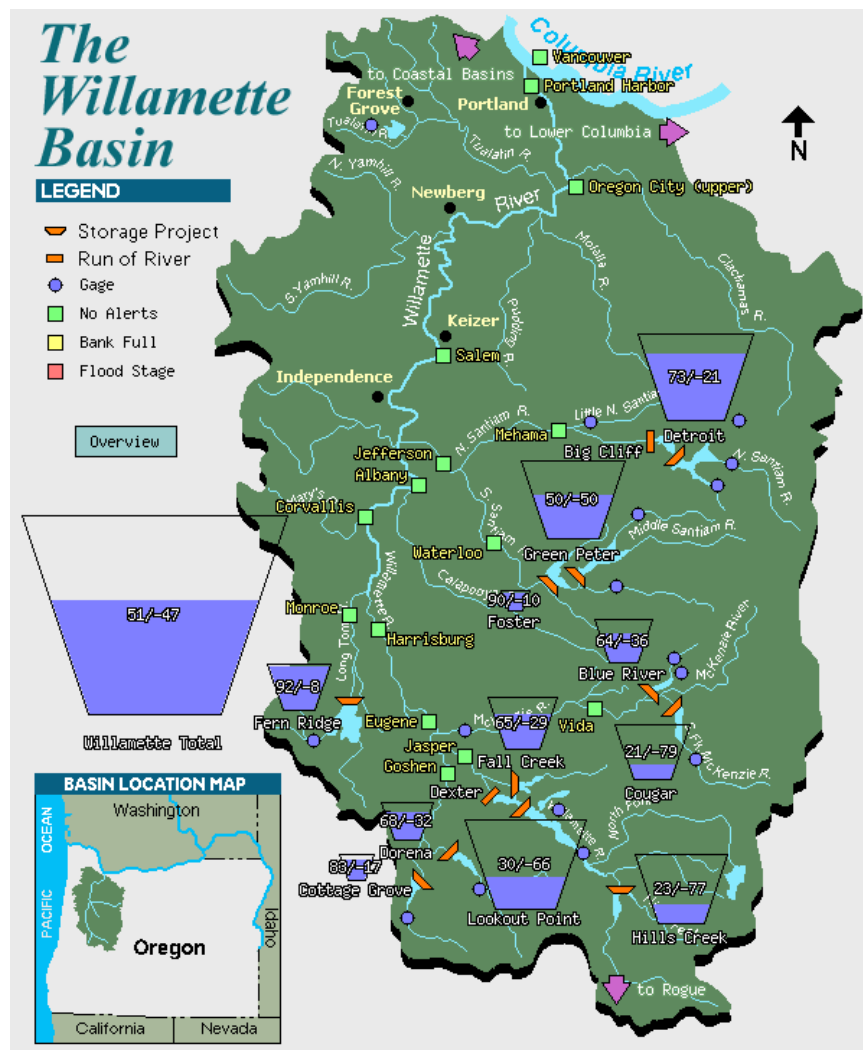
2016 Secretarial Drought Designations - All Drought



Reservoir Storage – Willamette River Basin

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

Reservoir	Percent Full on July 18, 2016
Blue River Reservoir	64 percent
Cottage Grove Reservoir	83 percent
Cougar Reservoir	21 percent
Detroit Reservoir	73 percent
Dorena Reservoir	68 percent
Fall Creek Reservoir	65 percent
Fern Ridge Reservoir	92 percent
Foster Reservoir	90 percent
Green Peter Reservoir	50 percent
Hills Creek Reservoir	23 percent
Lookout Point Reservoir	30 percent
Willamette Project Total:	51 percent

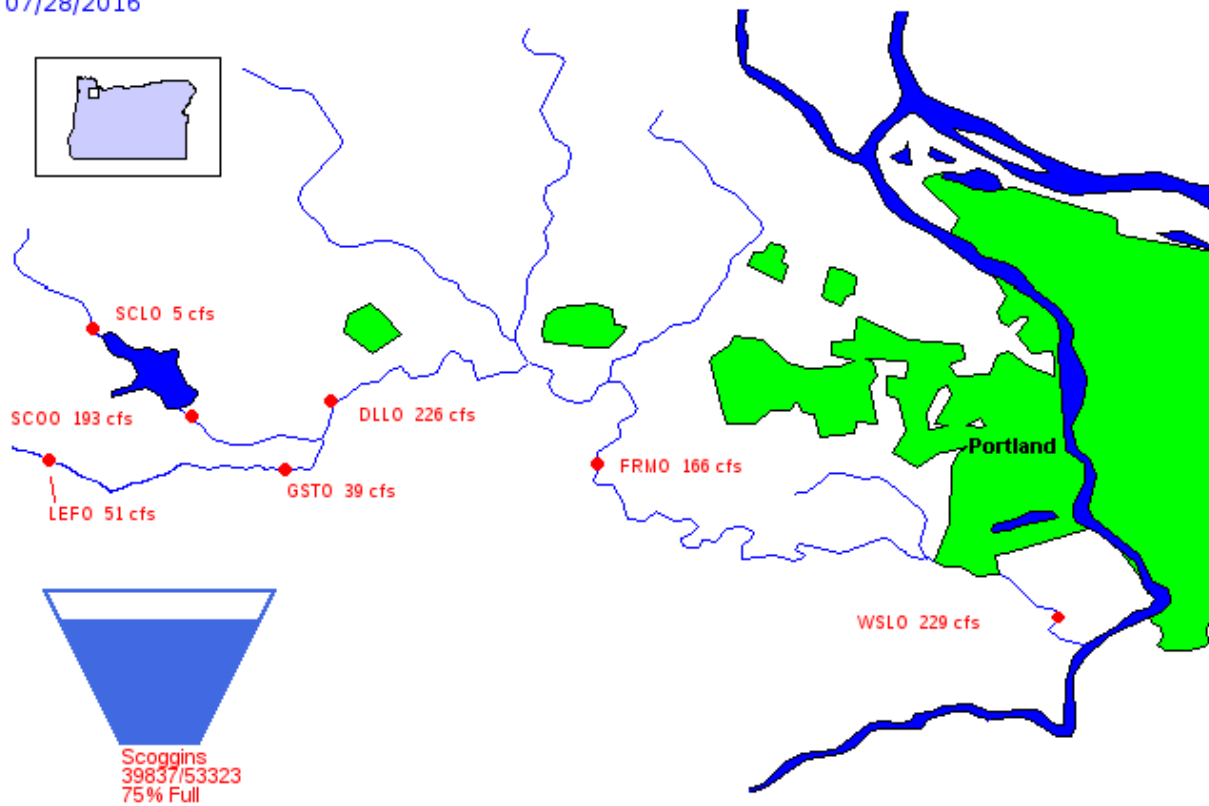


Reservoir Storage – Tualatin River Basin

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

Reservoir	Percent Full on July 28, 2016
Scoggins Dam/Henry Hagg L.	75 percent

07/28/2016

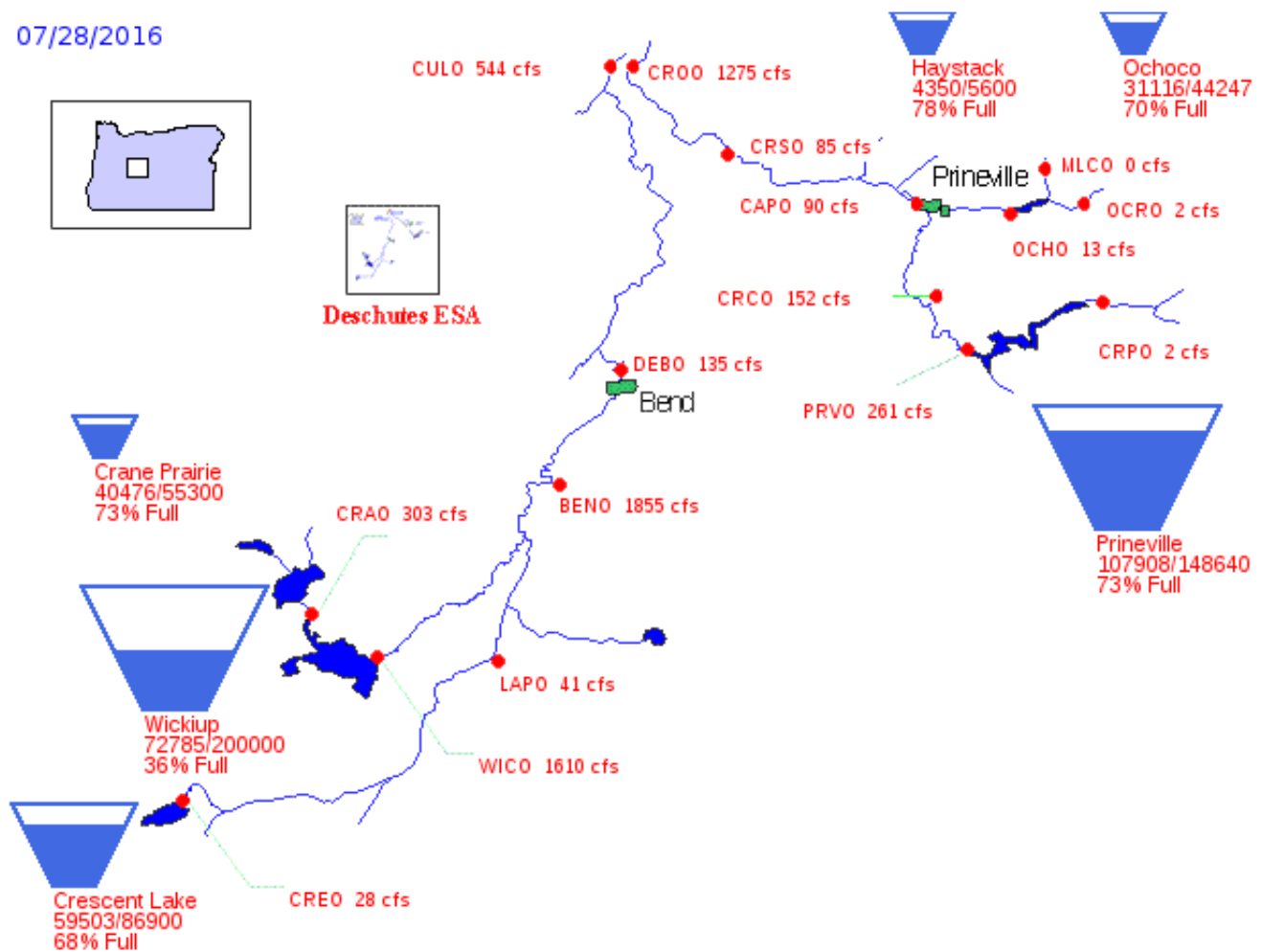


Reservoir Storage – Deschutes Basin

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

Reservoir	Percent Full on July 28, 2016
Crane Prairie Reservoir	73 percent
Crescent Lake	68 percent
Haystack Reservoir	78 percent
Ochoco Reservoir	70 percent
Prineville Reservoir	73 percent
Wickiup Reservoir	36 percent

07/28/2016

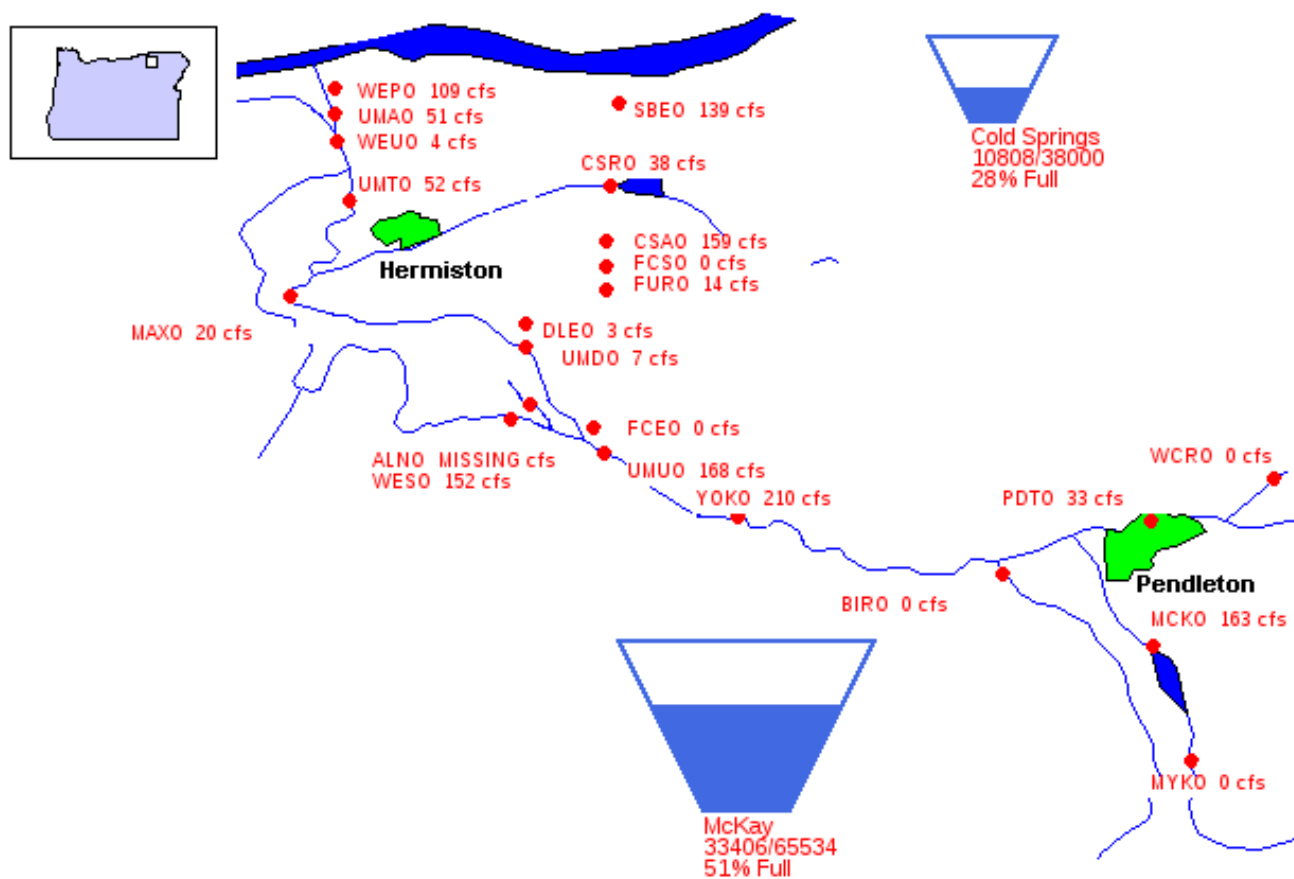


Reservoir Storage – Umatilla River Basin

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

Reservoir	Percent Full on July 28, 2016
Cold Springs Reservoir	28 percent
McKay Reservoir	51 percent

07/28/2016

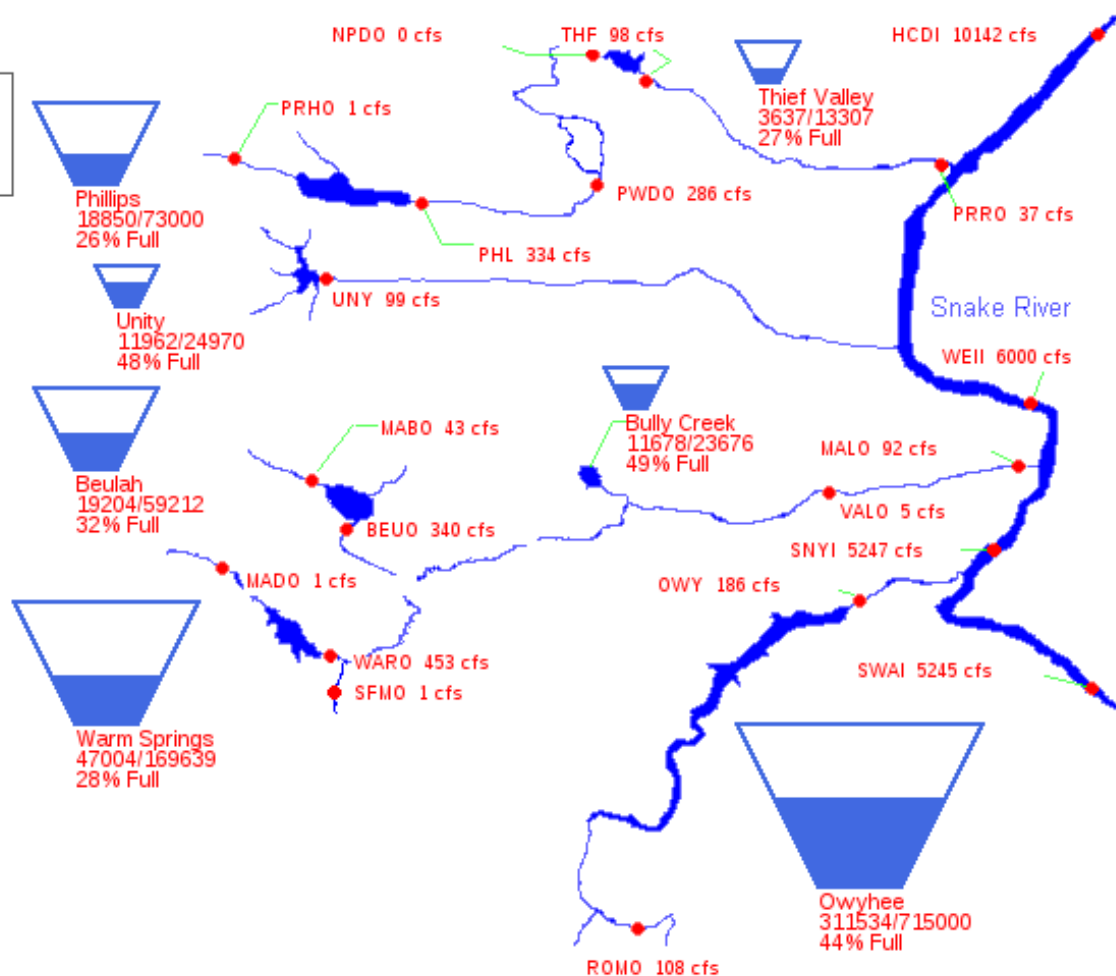
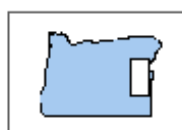


Reservoir Storage – Southeastern Oregon

Website: <http://www.usbr.gov/pn/hydromet/owytea.html>

Reservoir	Percent Full on July 28, 2016
Beulah Reservoir	32 percent
Bully Creek Reservoir	49 percent
Owyhee Reservoir	44 percent
Phillips Reservoir	26 percent
Thief Valley Reservoir	27 percent
Unity Reservoir	48 percent
Warm Springs Reservoir	28 percent

07/28/2016

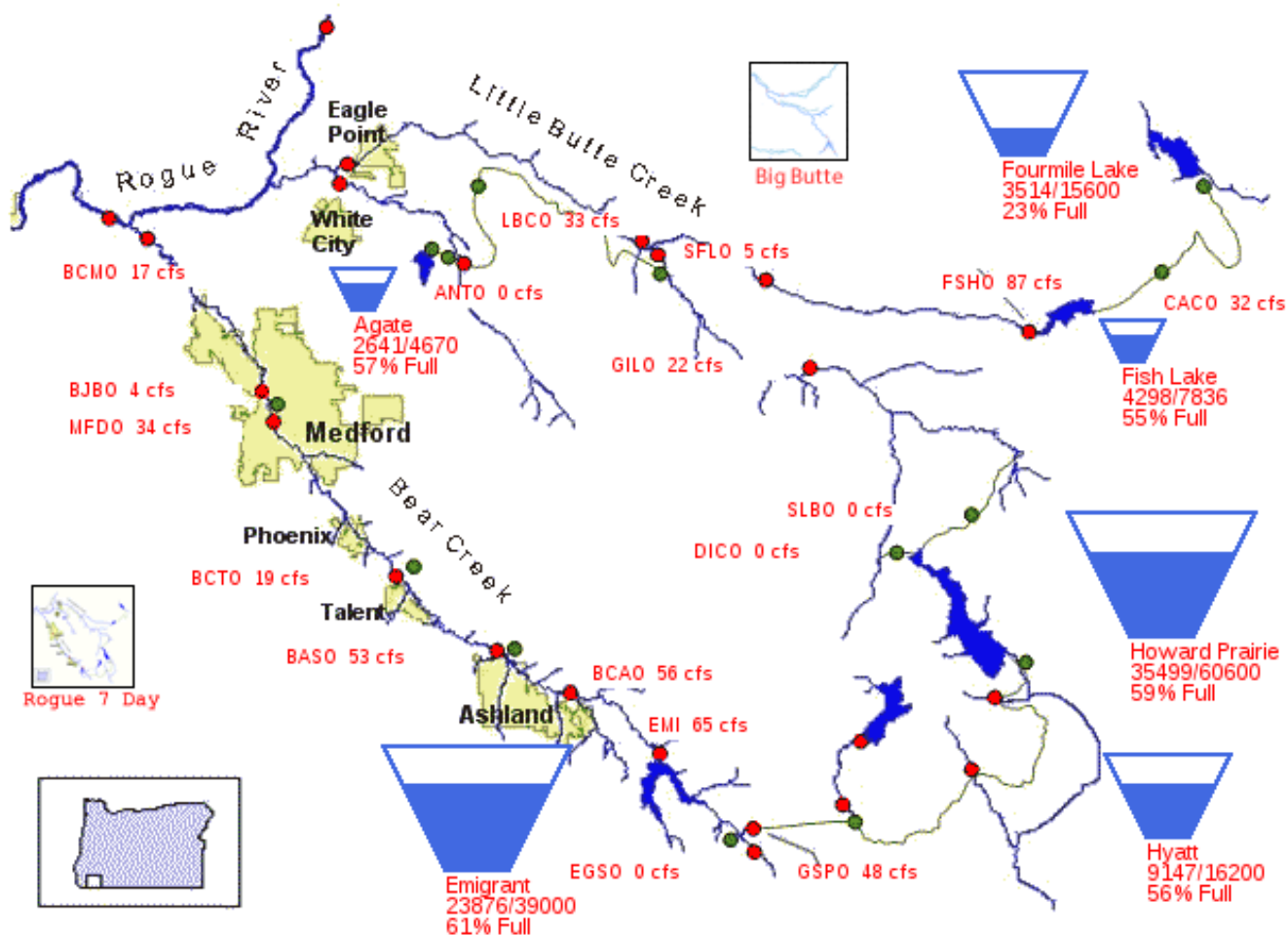


Reservoir Storage – Rogue River Basin

Website: <http://www.usbr.gov/pn/hydromet/roguetea.html>

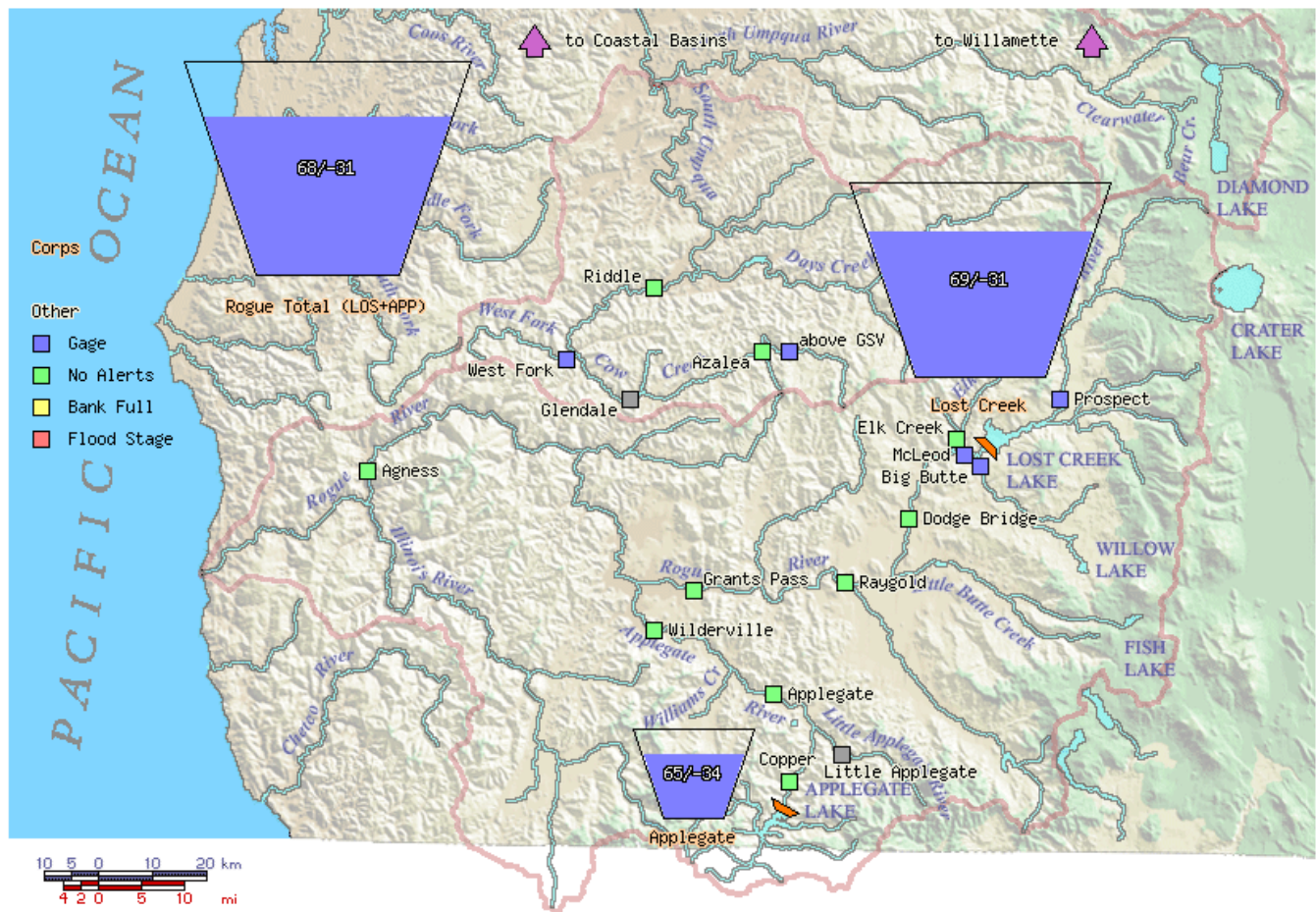
Reservoir	Percent Full on July 28, 2016
Agate Reservoir	57 percent
Applegate Reservoir	65 percent
Emigrant Lake	61 percent
Fish Lake	55 percent
Fourmile Lake	23 percent
Howard Prairie	59 percent
Hyatt Reservoir	56 percent
Lost Creek Reservoir	69 percent

07/28/2016



Reservoir Storage – Rogue River Basin (continued)

Website: <http://www.nwd-wc.usace.army.mil/nwp/teacup/rogue/>



Reservoir Storage – Klamath River Basin

Website: <http://www.usbr.gov/pn/hydromet/klamath/teacup.html>

Reservoir	Percent Full on July 29, 2016
Upper Klamath Lake	55 percent
Clear Lake	21 percent
Gerber Reservoir	28 percent

