

Oregon Water Conditions Report July 18, 2016



Total precipitation is at or near normal for much of the state. All basins have received near average amounts of precipitation for the water year so far. Looking only at the period from April 1 to today, precipitation statewide has been between 50 and 75 percent of normal. The three-month outlook forecasts below-average precipitation for the Pacific Northwest through September.

Above normal temperatures are forecast to resume and continue through September.

Temperatures around the state for the past three months have been two to five degrees above average. While temperatures have been cooler in July and are expected to be near or below average for the rest of the month, NOAA's Climate Prediction Center is calling for above normal temperatures through the September outlook period. Climate conditions are favorable for the development of La Niña—albeit a weak La Niña—bringing potentially cooler and wetter conditions this winter to the Pacific Northwest.

Statewide average streamflows for June were at 44 percent of normal. Although this was better than 32 percent of normal seen last year at this time, flows are still low and have been on a downward trend since April. While recent cool, showery weather temporarily helped reduce water demand and improve stream flows in some areas; these conditions are not expected to last.

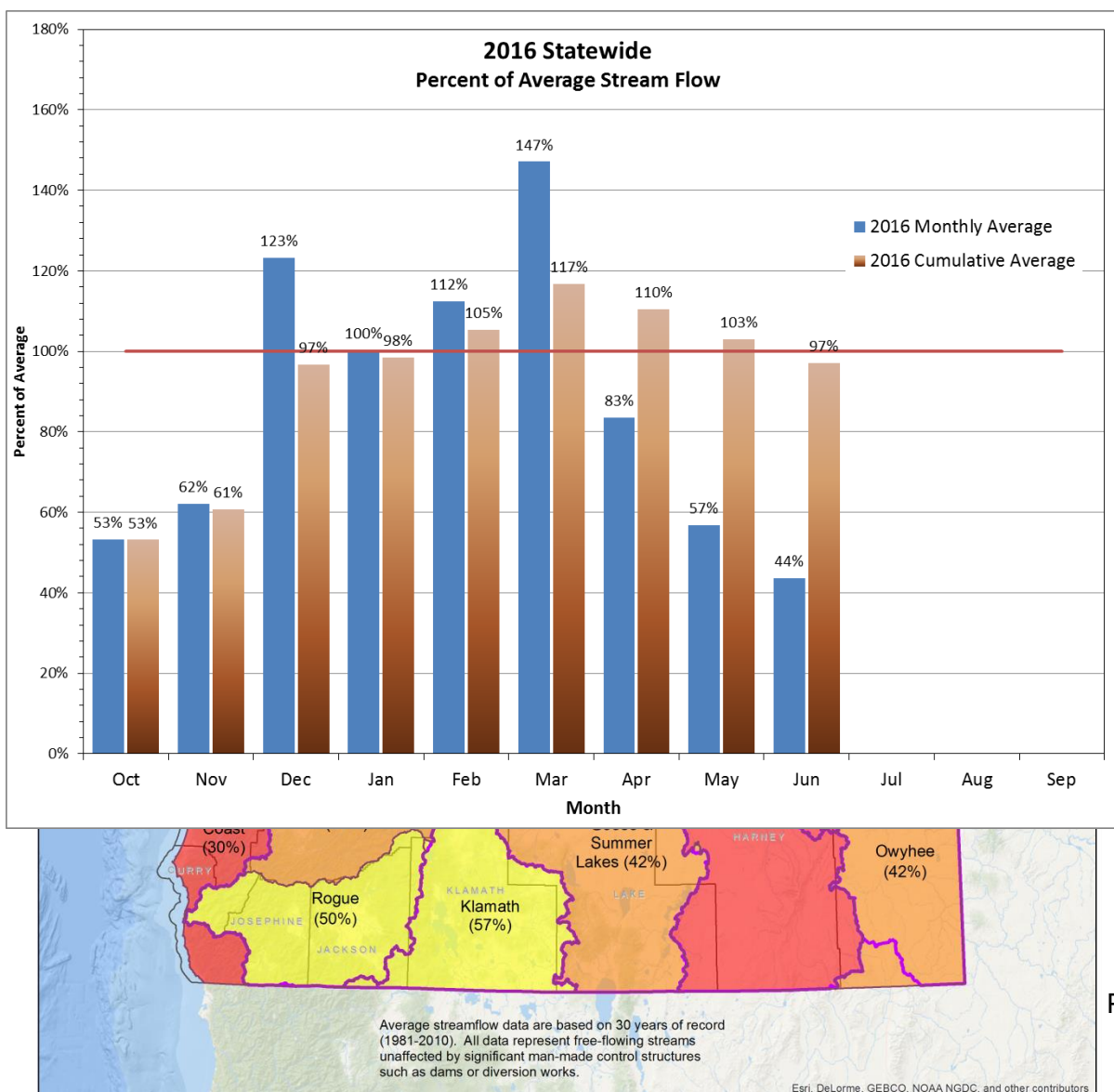
Reservoir levels are better than at this time last year, but dropping quickly. Reservoir storage levels across the state are higher compared to this time last year, as water managers were able to benefit from springtime run-off. Rivers that are fed by reservoirs are in better shape than those that are not; water shortages may be apparent soon in areas without access to storage. However, all reservoirs are now being drawn down, supplying irrigation and municipal water, as well as instream flows for fisheries. By the end of the summer, reservoir levels will likely mirror 2015 levels.

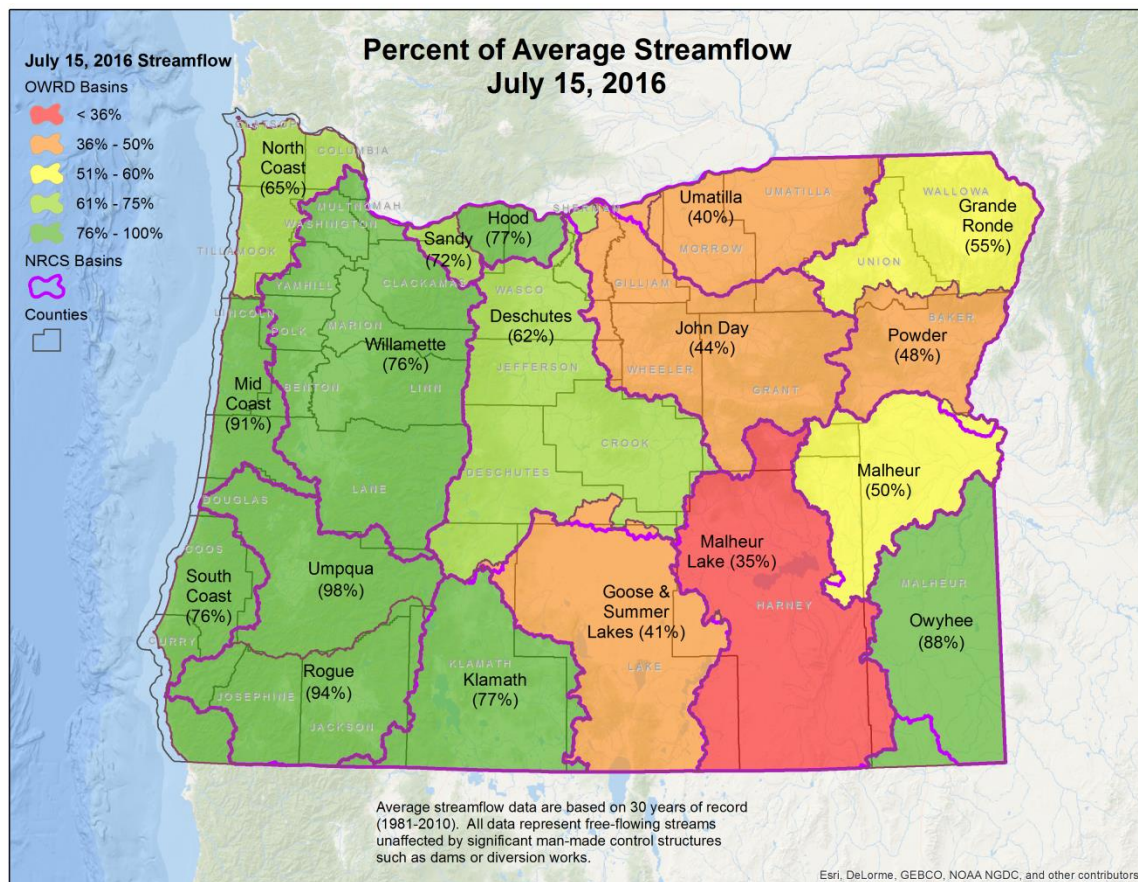
The Drought Monitor shows 100 percent of the state abnormally dry. As of July 12, the entire state is in the D0 category (abnormally dry). The Mid Coast and Eastern Oregon regions, approximately 50 percent of the state, are also listed in the D1 category (moderate drought). This is up from 40 percent reported last month. Soil moisture sensors are showing dry conditions within these areas.

The fire potential outlook is normal for most of Oregon. The National Interagency Fire Center's (NIFC) monthly outlook is currently indicating above normal significant fire potential in southeastern Oregon for July and August, with normal significant wildland fire potential expected for the remainder of the state throughout the July through October outlook period. Recent rainfall and cooler temperatures in July improved the fire outlook, compared to this time last month.

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Streamflow Conditions

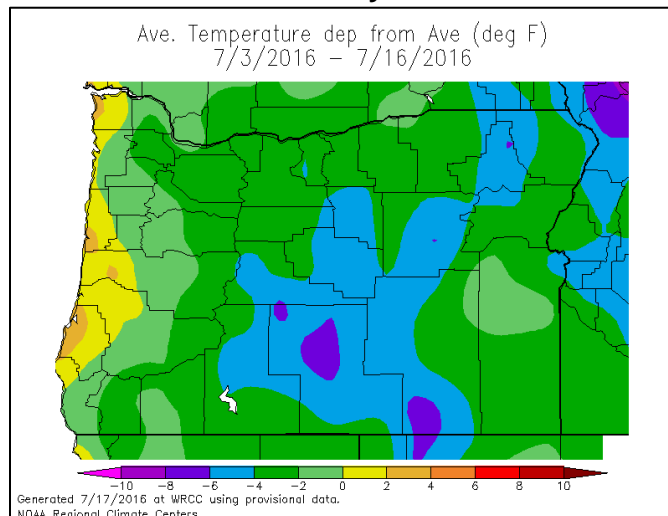




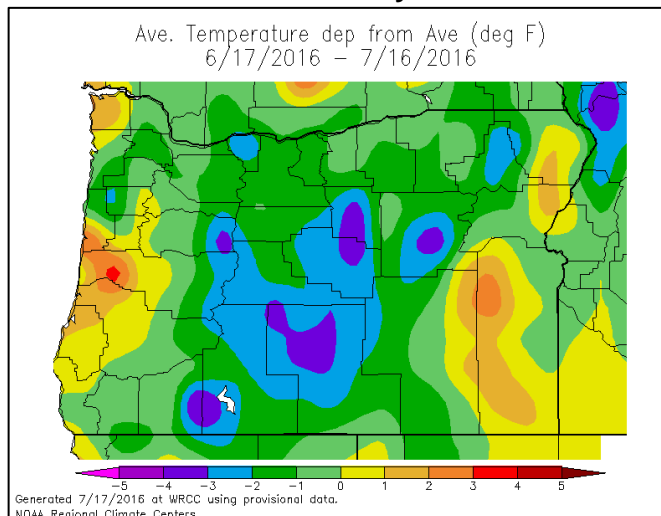
Temperature Departures

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

Last 14 days

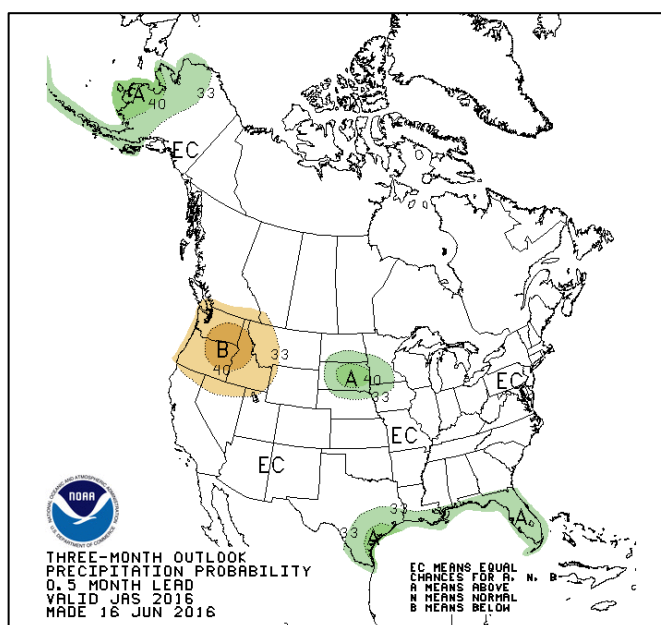
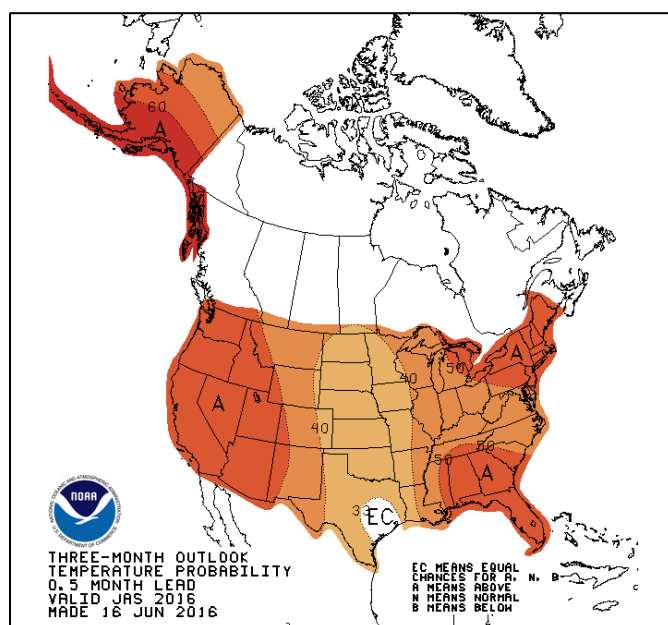


Last 30 days



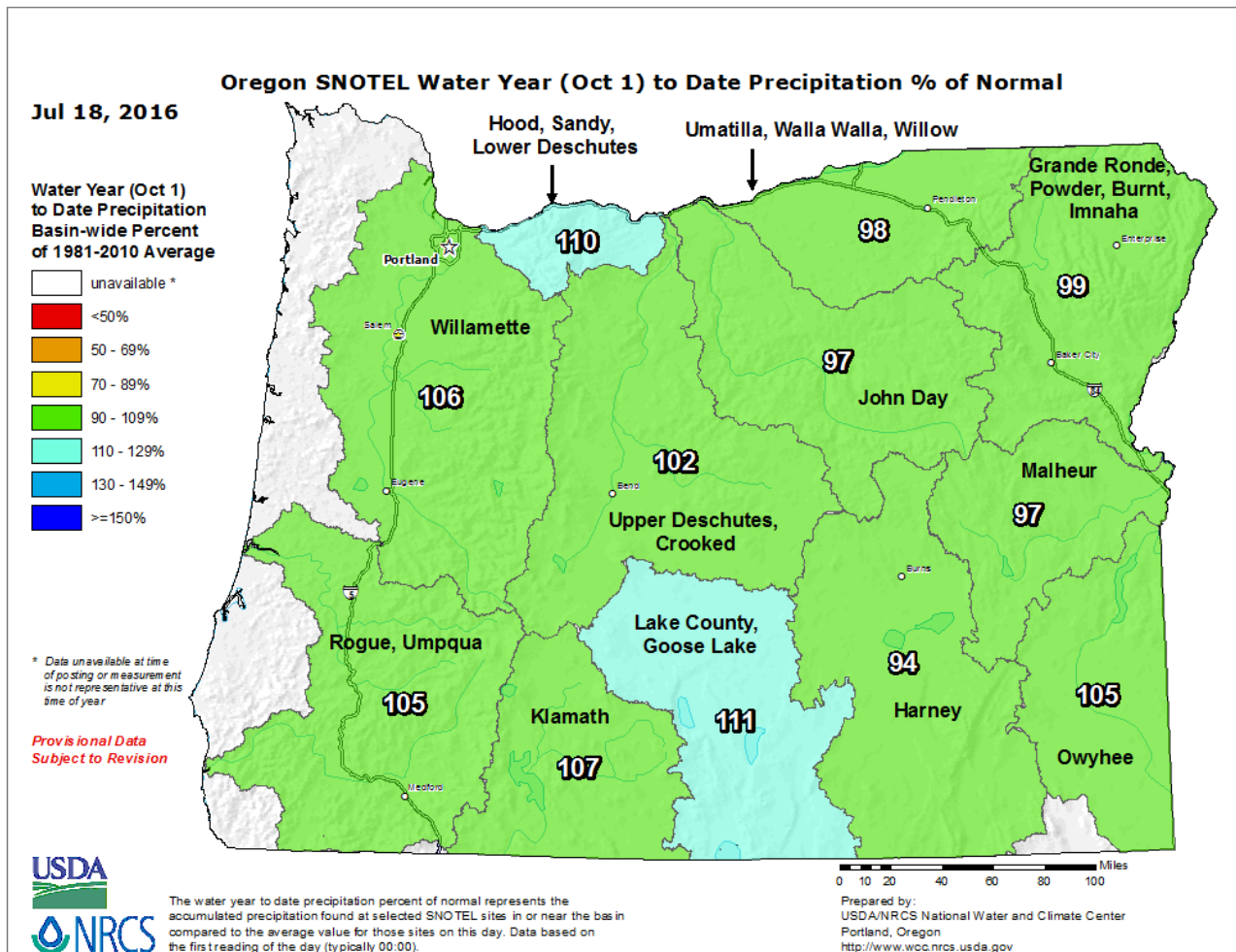
Three Month Outlook (July-August-September 2016)

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



Precipitation – Water Year to Date

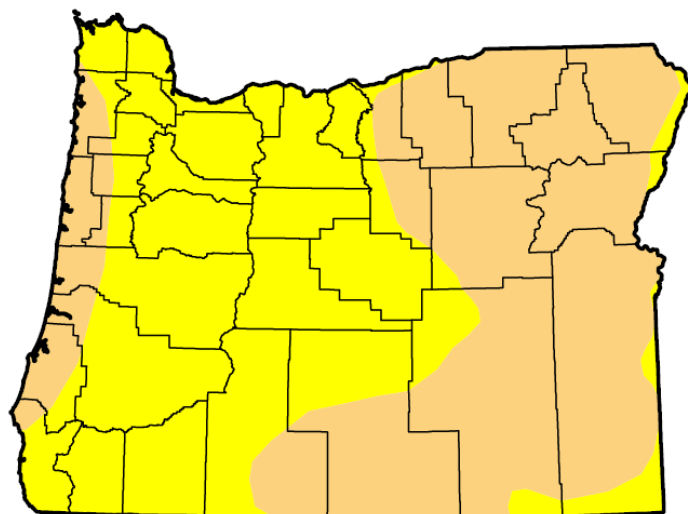
Website: http://www.wcc.nrcs.usda.gov/ftpref/gis/images/or_wytdprecpcnormal_update.png



Drought Monitor for Oregon (July 12, 2016)

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

U.S. Drought Monitor Oregon



July 12, 2016
(Released Thursday, Jul. 14, 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 7/5/2016	0.00	100.00	49.75	0.00	0.00	0.00
3 Months Ago 4/12/2016	45.95	54.05	29.87	1.00	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 7/14/2015	0.00	100.00	100.00	83.71	34.09	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.

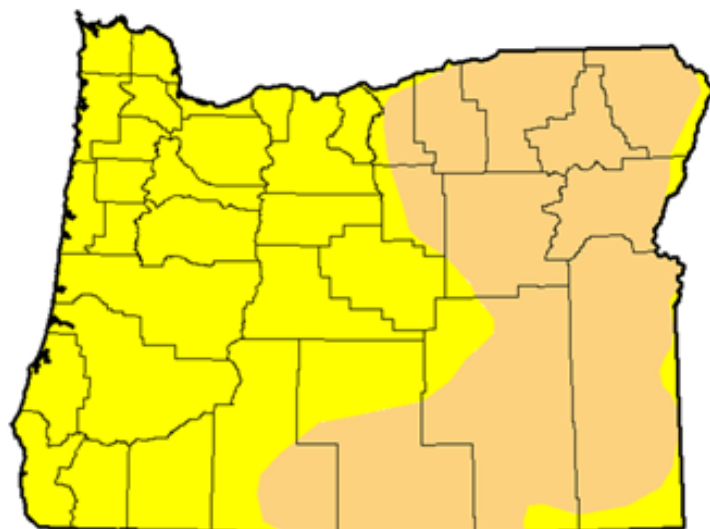
Author:

David Miskus
NOAA/NWS/NCEP/CPC



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

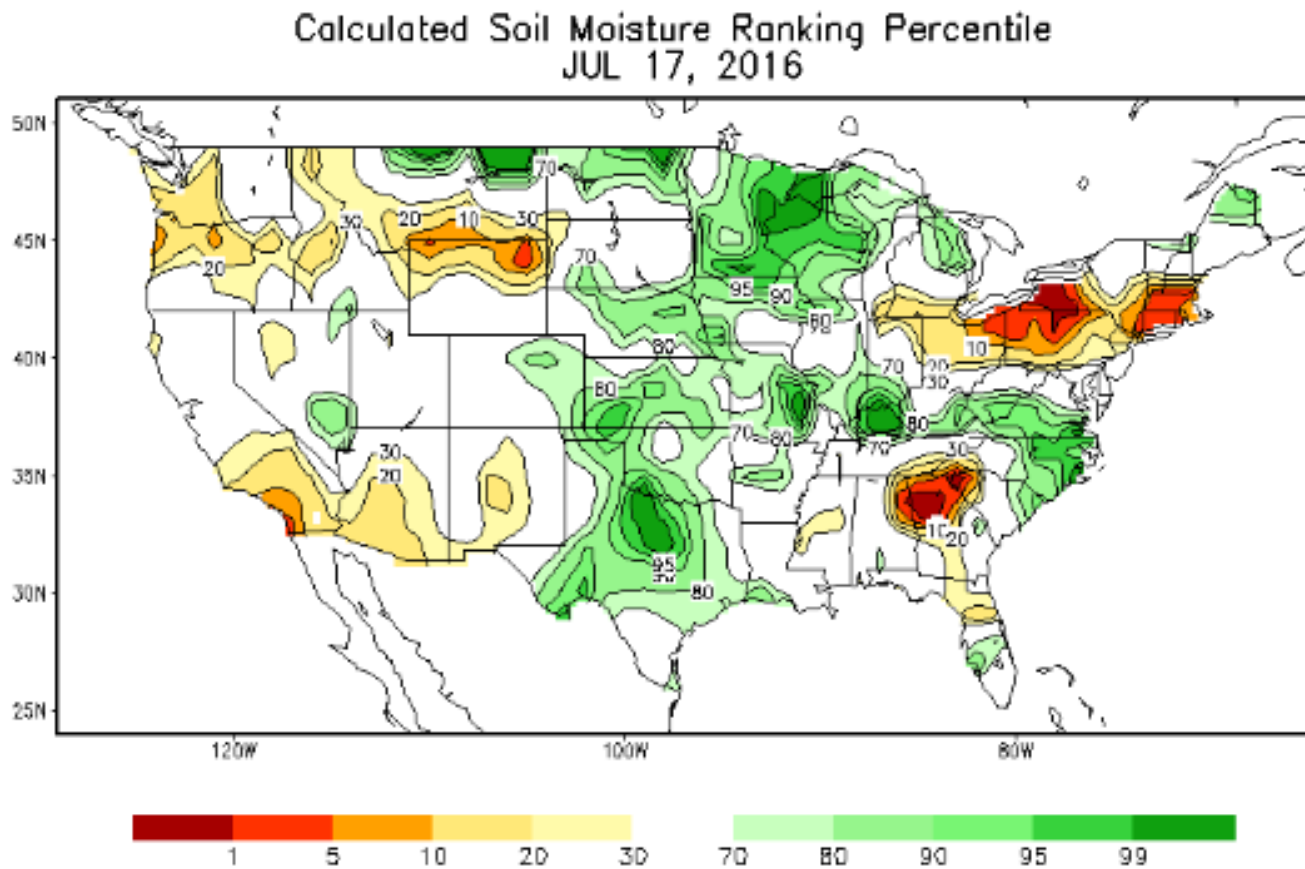
Note: Change from the June 28, 2016 report.



Soil Moisture

Website:

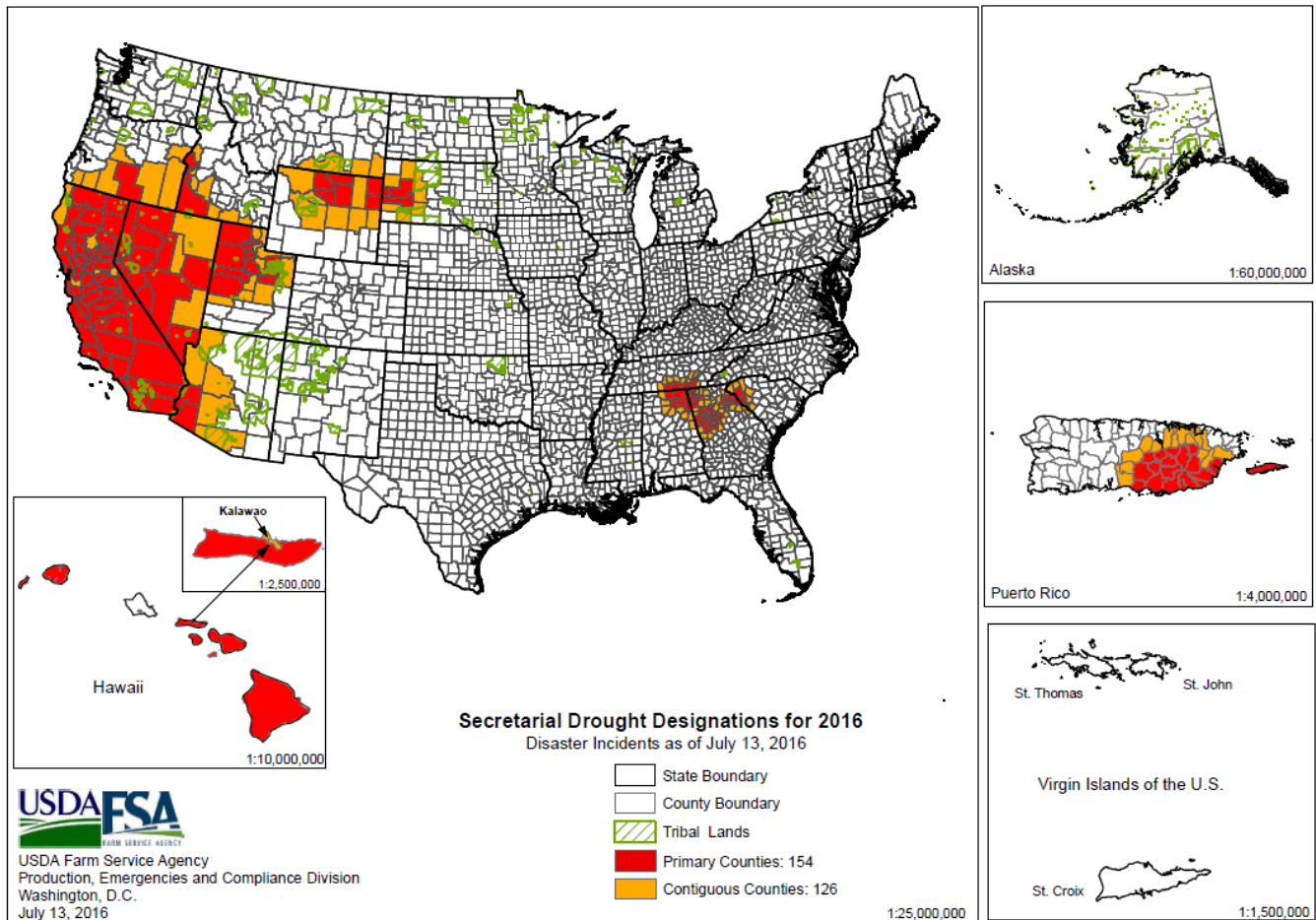
http://www.cpc.ncep.noaa.gov/products/Soilmst_Monitoring/US/Soilmst/Soilmst.shtml#



USDA Federal Drought Designations

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

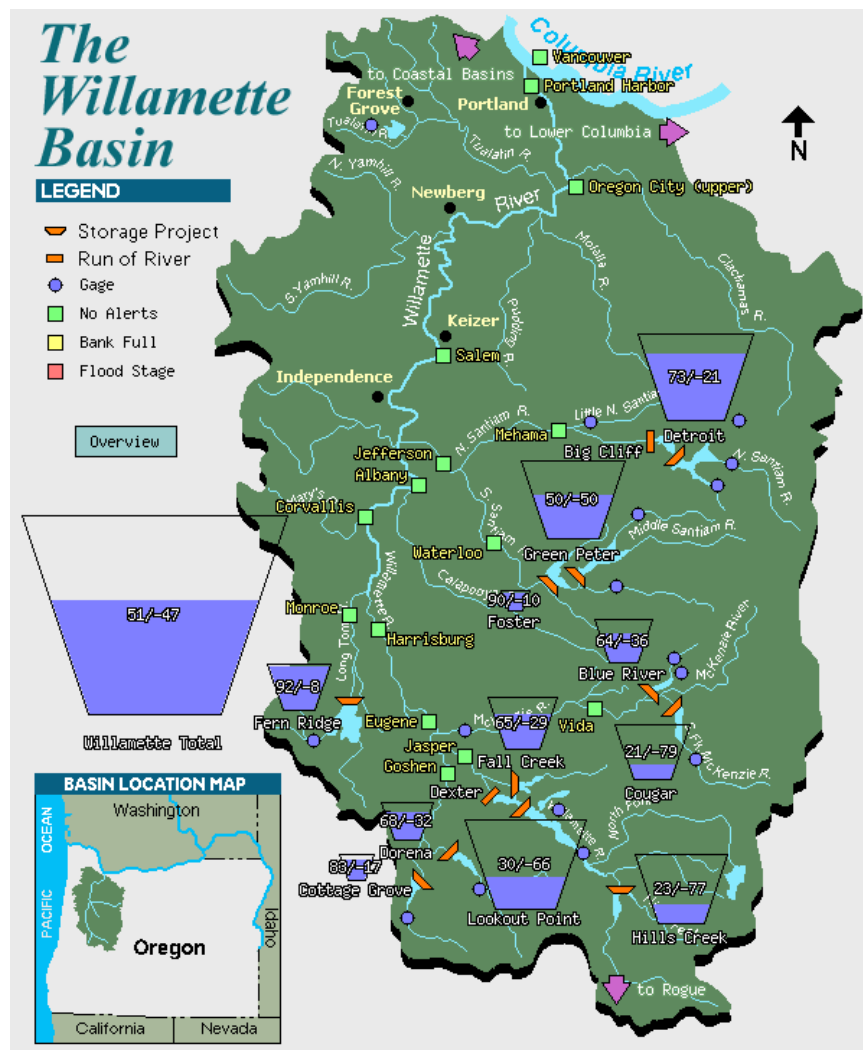
2016 Secretarial Drought Designations - All Drought



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

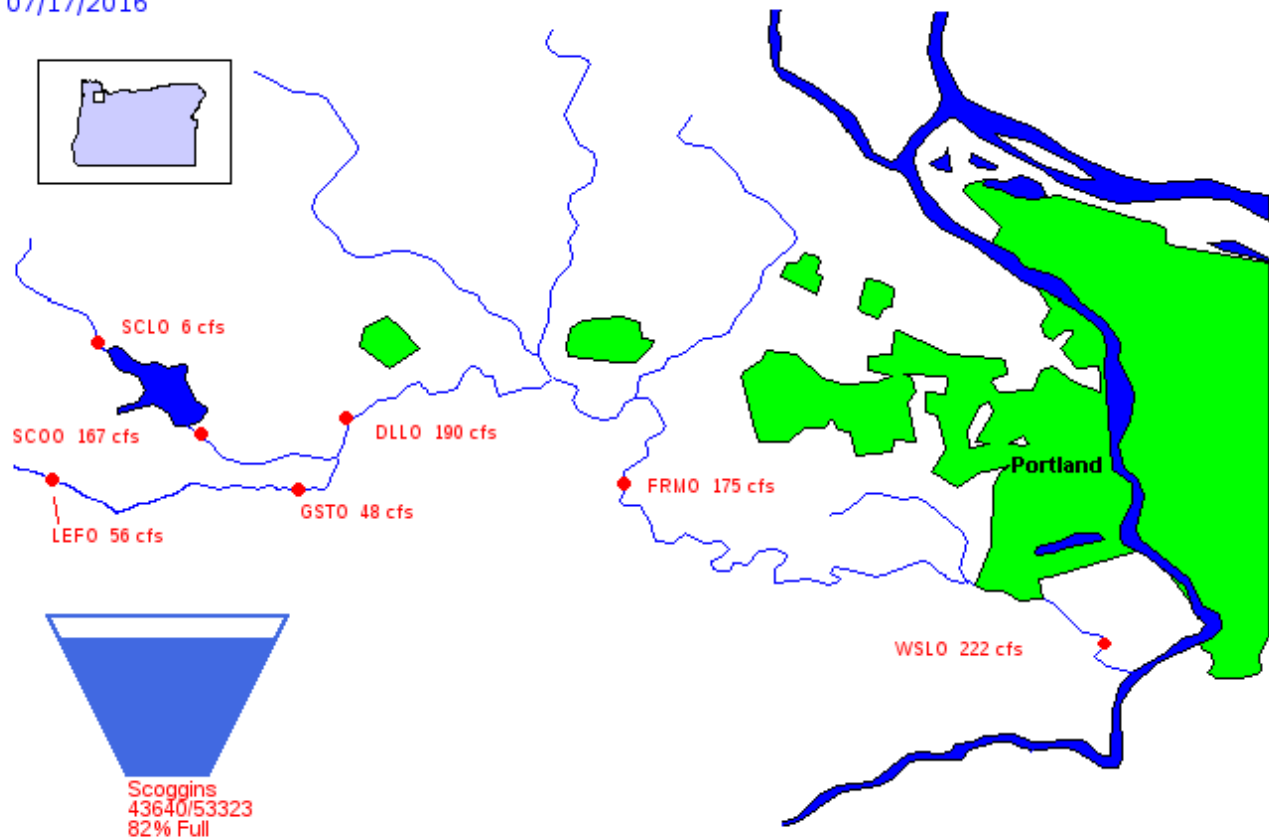


Reservoir Storage – Tualatin River Basin

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

Reservoir	Percent Full on July 17, 2016
Scoggins Dam/Henry Hagg L.	82 percent

07/17/2016

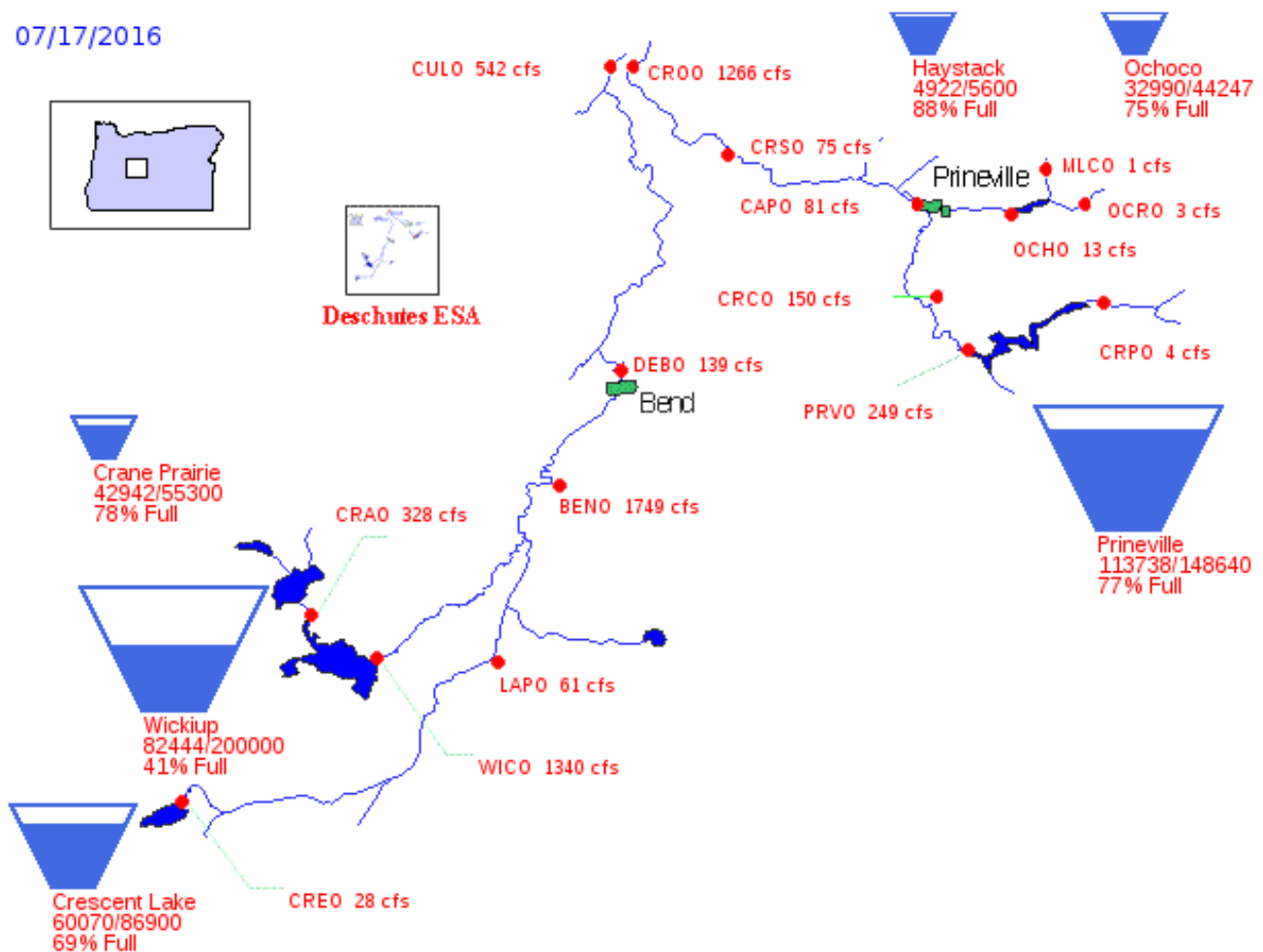


Reservoir Storage – Deschutes Basin

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

Reservoir	Percent Full on July 17, 2016
Crane Prairie Reservoir	78 percent
Crescent Lake	69 percent
Haystack Reservoir	88 percent
Ochoco Reservoir	75 percent
Prineville Reservoir	77 percent
Wickiup Reservoir	41 percent

07/17/2016

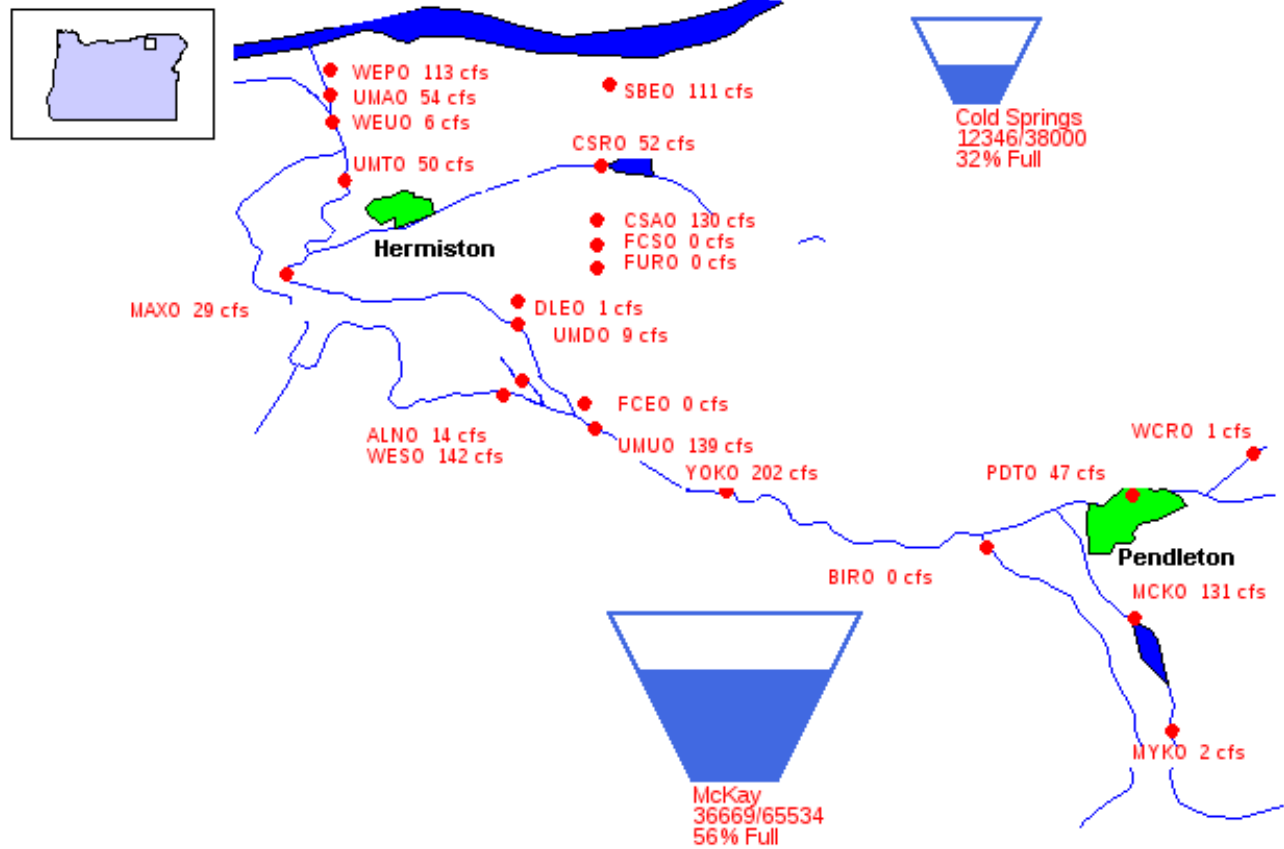


Reservoir Storage – Umatilla River Basin

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

Reservoir	Percent Full on July 17, 2016
Cold Springs Reservoir	32 percent
McKay Reservoir	56 percent

07/17/2016

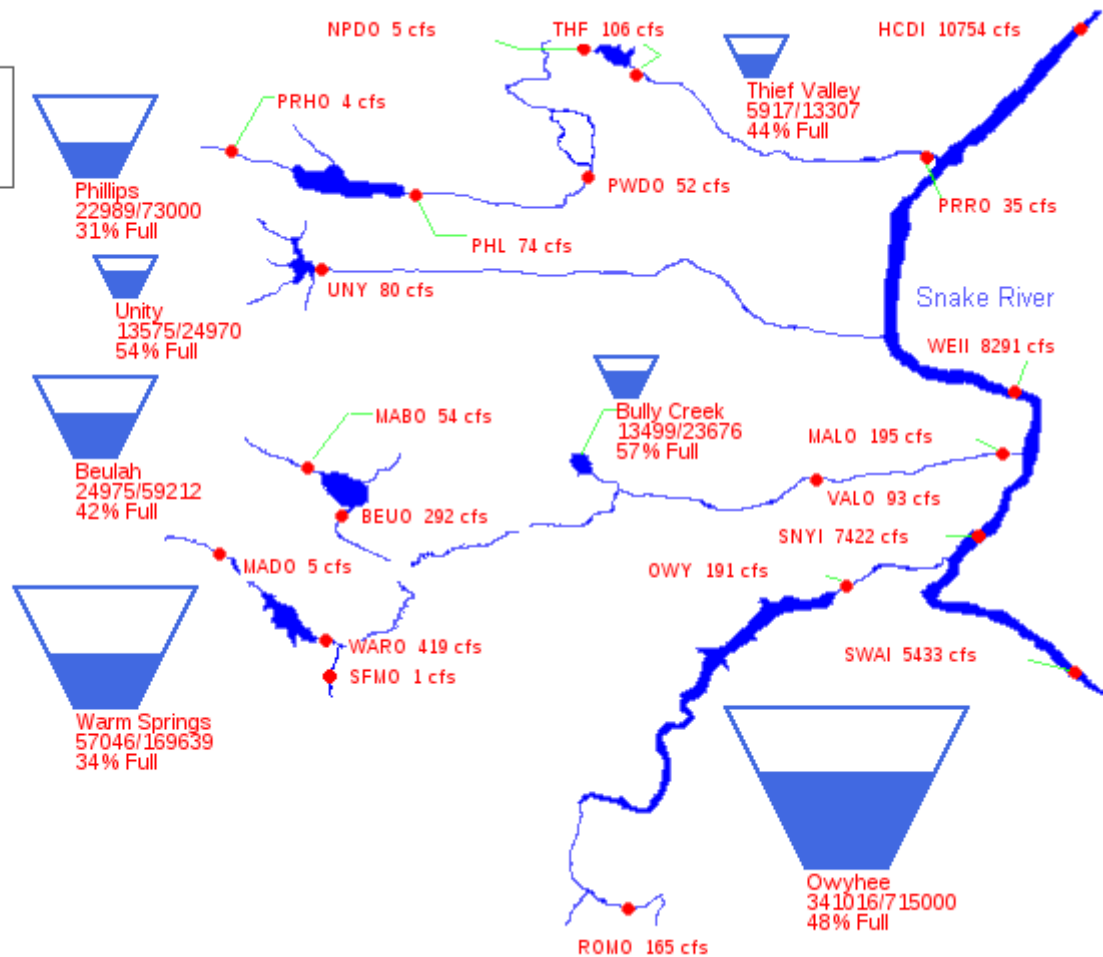
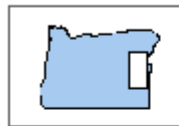


Reservoir Storage – Southeastern Oregon

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

Reservoir	Percent Full on July 17, 2016
Beulah Reservoir	42 percent
Bully Creek Reservoir	57 percent
Owyhee Reservoir	48 percent
Phillips Reservoir	31 percent
Thief Valley Reservoir	44 percent
Unity Reservoir	54 percent
Warm Springs Reservoir	30 percent

07/17/2016

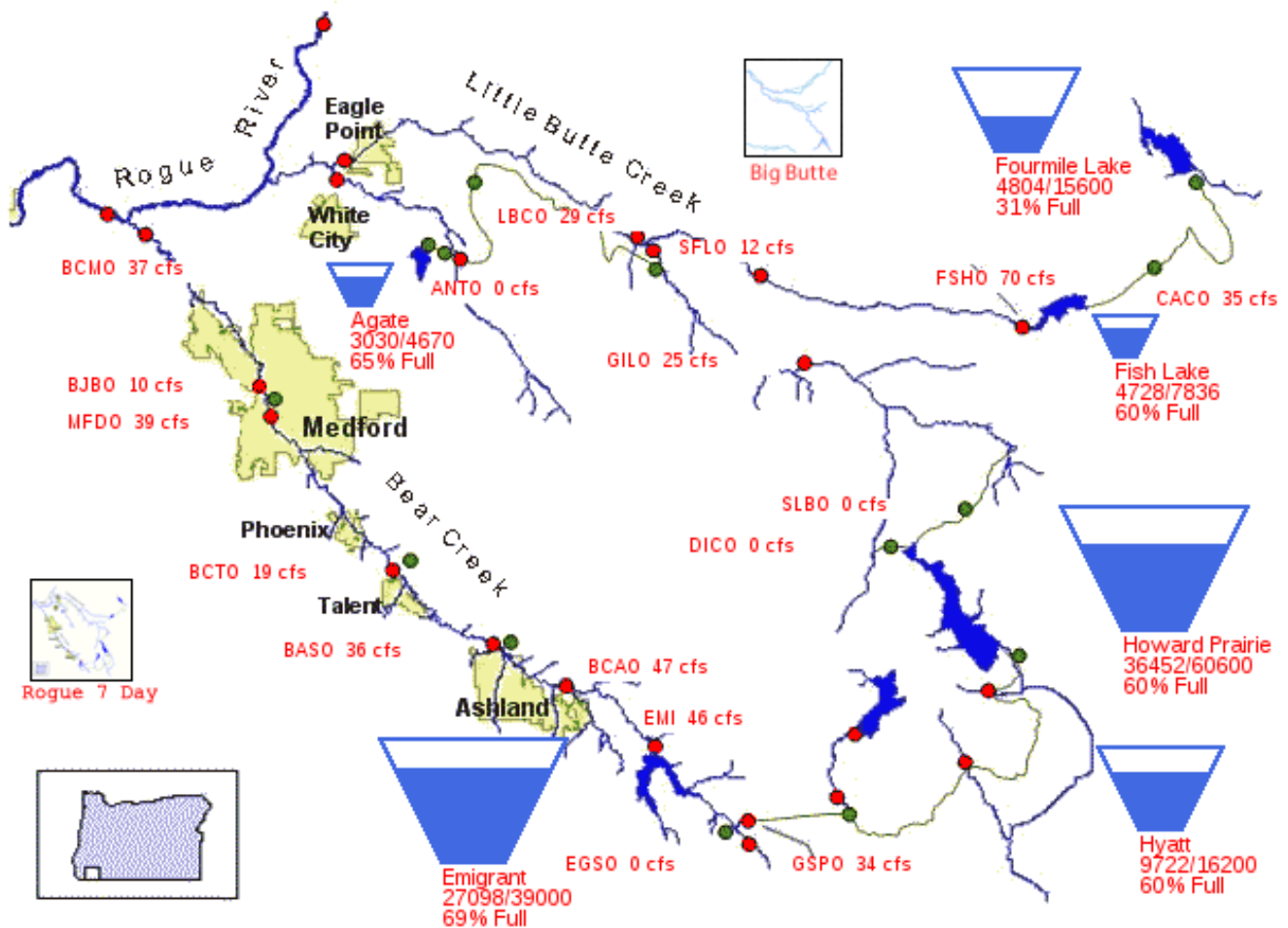


Reservoir Storage – Rogue River Basin

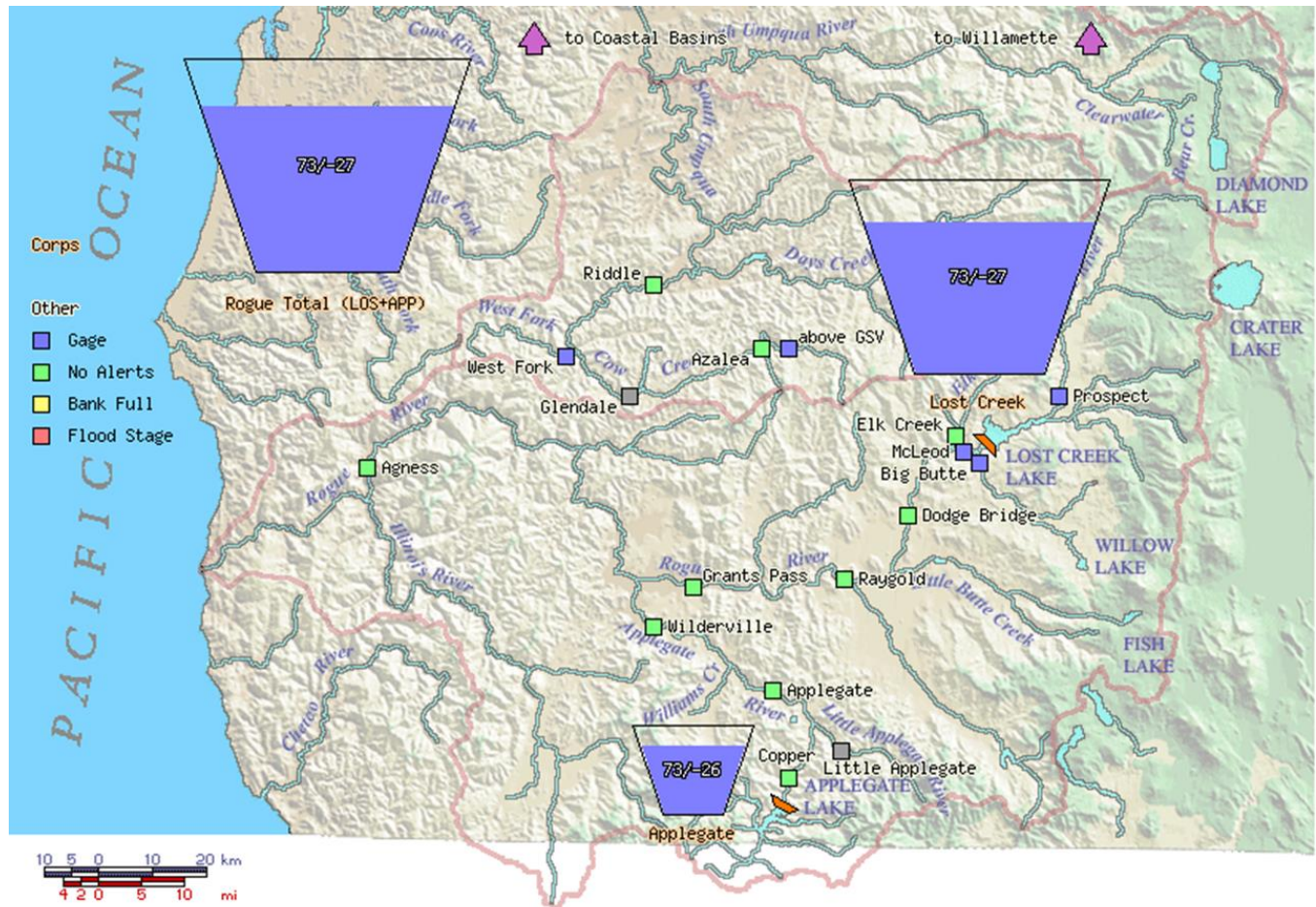
Website: <http://www.usbr.gov/pn/hydromet/roguetea.html>

Reservoir	Percent Full on July 17, 2016
Agate Reservoir	65 percent
Applegate Reservoir	73 percent
Emigrant Lake	69 percent
Fish Lake	60 percent
Fourmile Lake	31 percent
Howard Prairie	60 percent
Hyatt Reservoir	60 percent
Lost Creek Reservoir	73 percent

07/17/2016



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 17, 2016
Upper Klamath Lake	61 percent
Clear Lake	22 percent
Gerber Reservoir	32 percent

