

# Water Conditions Report

## March 28, 2016

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Early to mid-2016 winter weather patterns have been favorable for snowpack and streamflow conditions statewide. For the month of February, statewide streamflow conditions were over 115 percent of average.

February streamflow conditions for western Oregon were almost 90 percent of average and flows for streams east of the Cascades were over 135 percent of average. Statewide streamflow conditions for late March are almost 120 percent of average. Late March streamflow conditions for western Oregon are almost 110 percent of average and flows for streams east of the Cascades are 120 percent of average.

According to the [US Drought Monitor](#), there are no longer any areas of extreme drought in Oregon. Only about eight percent of Oregon is still categorized as severe drought primarily in the southeastern part of the state. Reservoir levels, most notably in eastern Oregon, are much improved over last year but still remain lower than normal. However, in light of the potential runoff from snowpack, the US Bureau of Reclamation's projected 2016 season forecasts are for adequate irrigation supplies even in Eastern Oregon.

The [U.S. Seasonal Drought Outlook](#) released on March 17 shows drought conditions improving east of the Cascade Range.

NOAA's [Climate Prediction Center](#) calls for weather conditions to bring above normal temperatures for the next three months. The

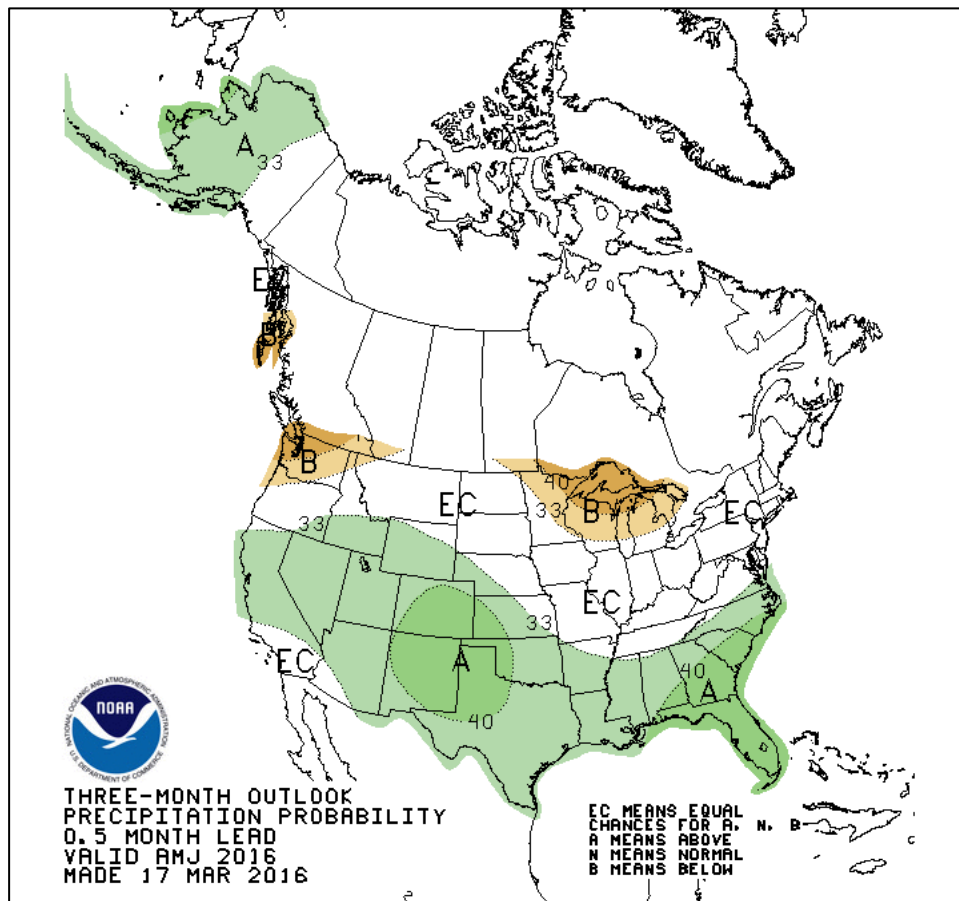
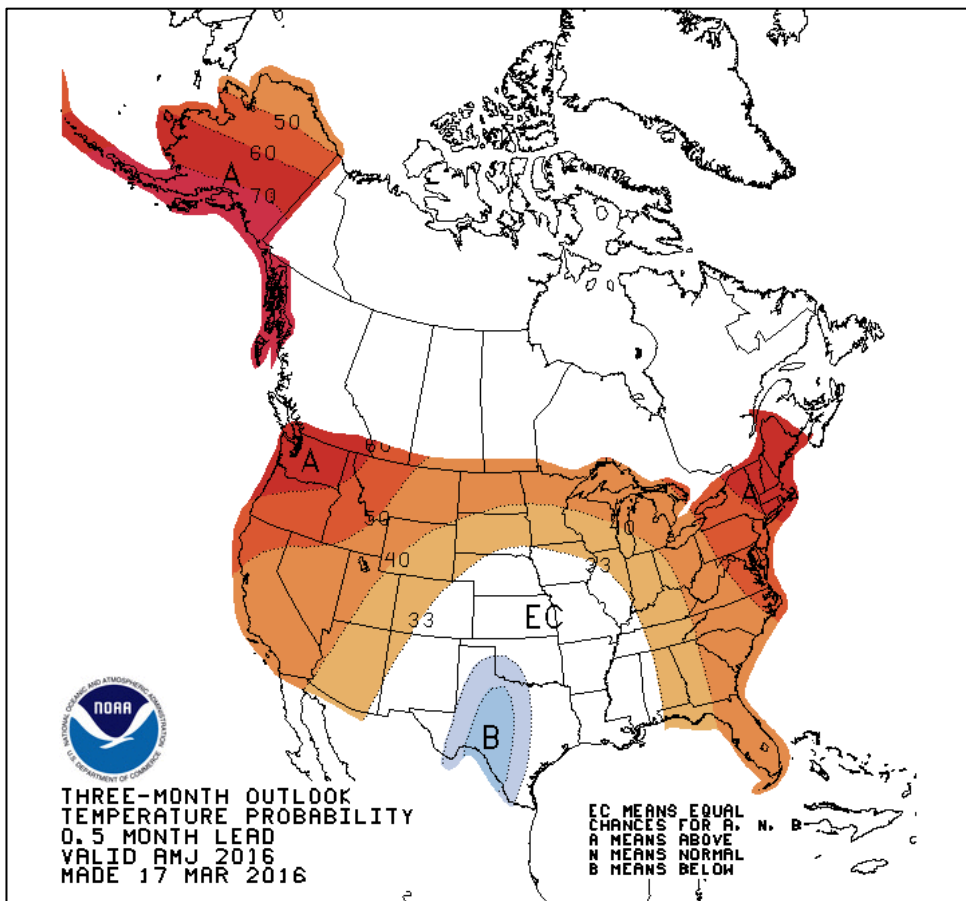
April-May-June 2016 temperature outlook favors above-normal temperatures across the entire Pacific Northwest. The precipitation outlook for this same time period for the northwest corner of Oregon is for below normal precipitation. The outlook for the rest of the state is for equal chances of above or below normal precipitation.

The [NRCS Water Supply Outlook](#) released in early March shows near normal snowpack throughout most of the state, which means most streamflow forecasts are calling for near normal to above normal volumes for the summer water supply season.

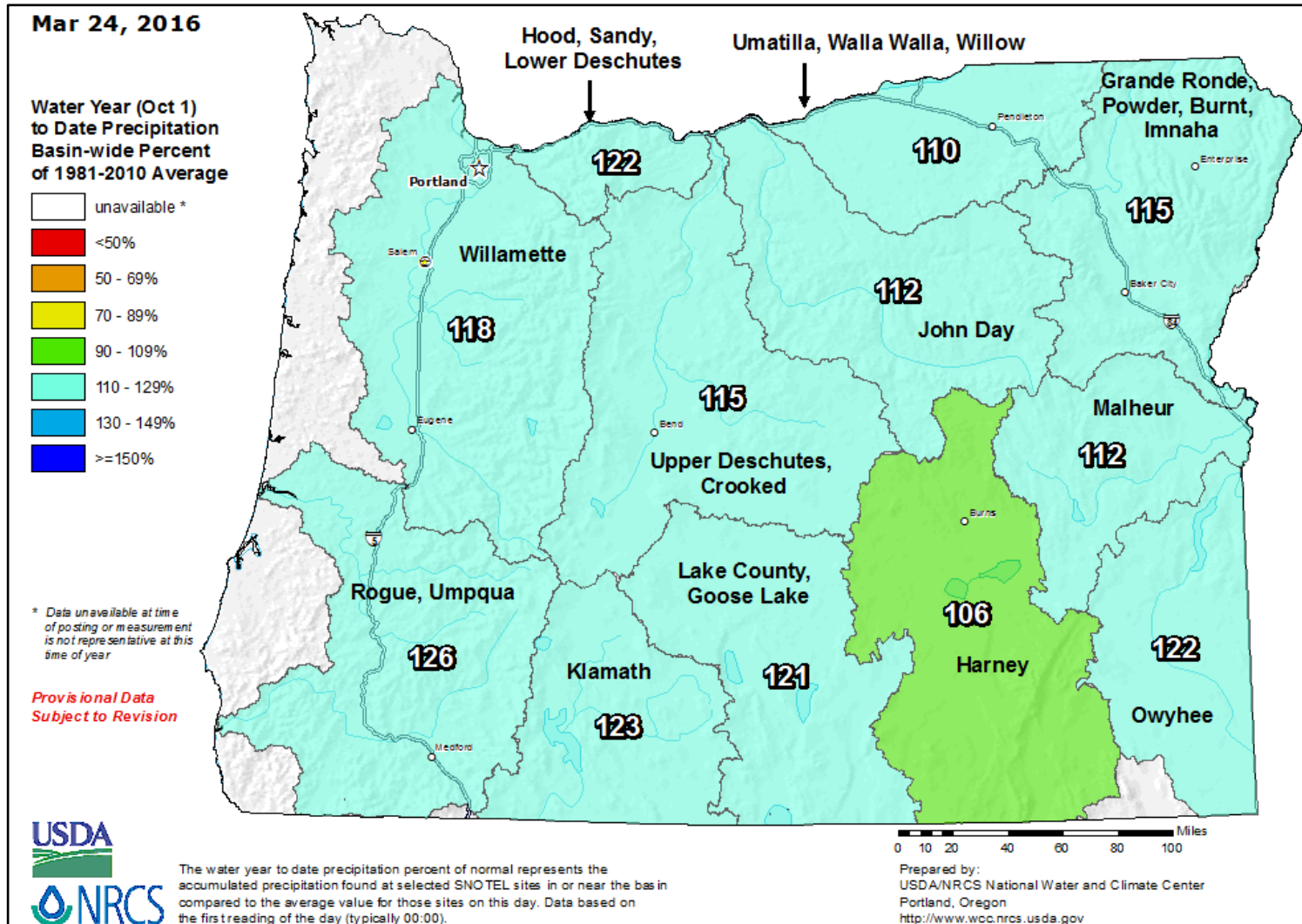
To view precipitation, snowpack, drought conditions, and reservoir storage throughout the state, click on the following links:

April-May-June Temperature & Precipitation Probability .....	2
SNOTEL Water Year (Oct 1) to Date Precipitation % of Normal .....	3
SNOTEL Current Snow Water Equivalent (SWE) % of Normal .....	4
Surface Water Supply Index .....	5
U.S. Drought Monitor for Oregon (March 22, 2016) .....	6
U.S. Seasonal Drought Outlook .....	7
Reservoir Storage – Deschutes Basin .....	8
Reservoir Storage – Willamette River Basin .....	9
Reservoir Storage – Tualatin River Basin .....	10
Reservoir Storage – Rogue River Basin .....	11
Reservoir Storage – Umatilla River Basin .....	12
Reservoir Storage – Southeastern Oregon .....	13

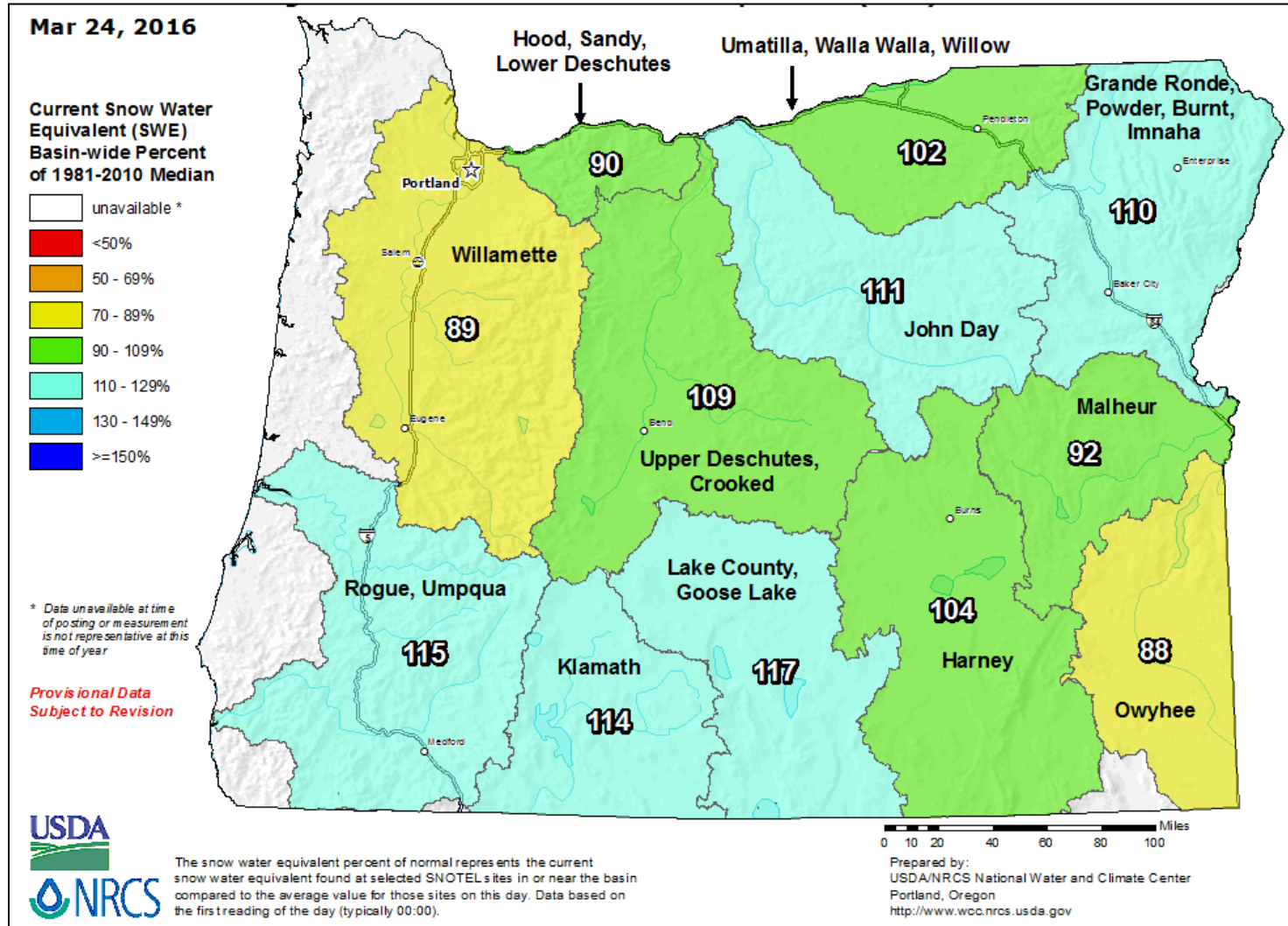
## April-May-June Temperature & Precipitation Probability



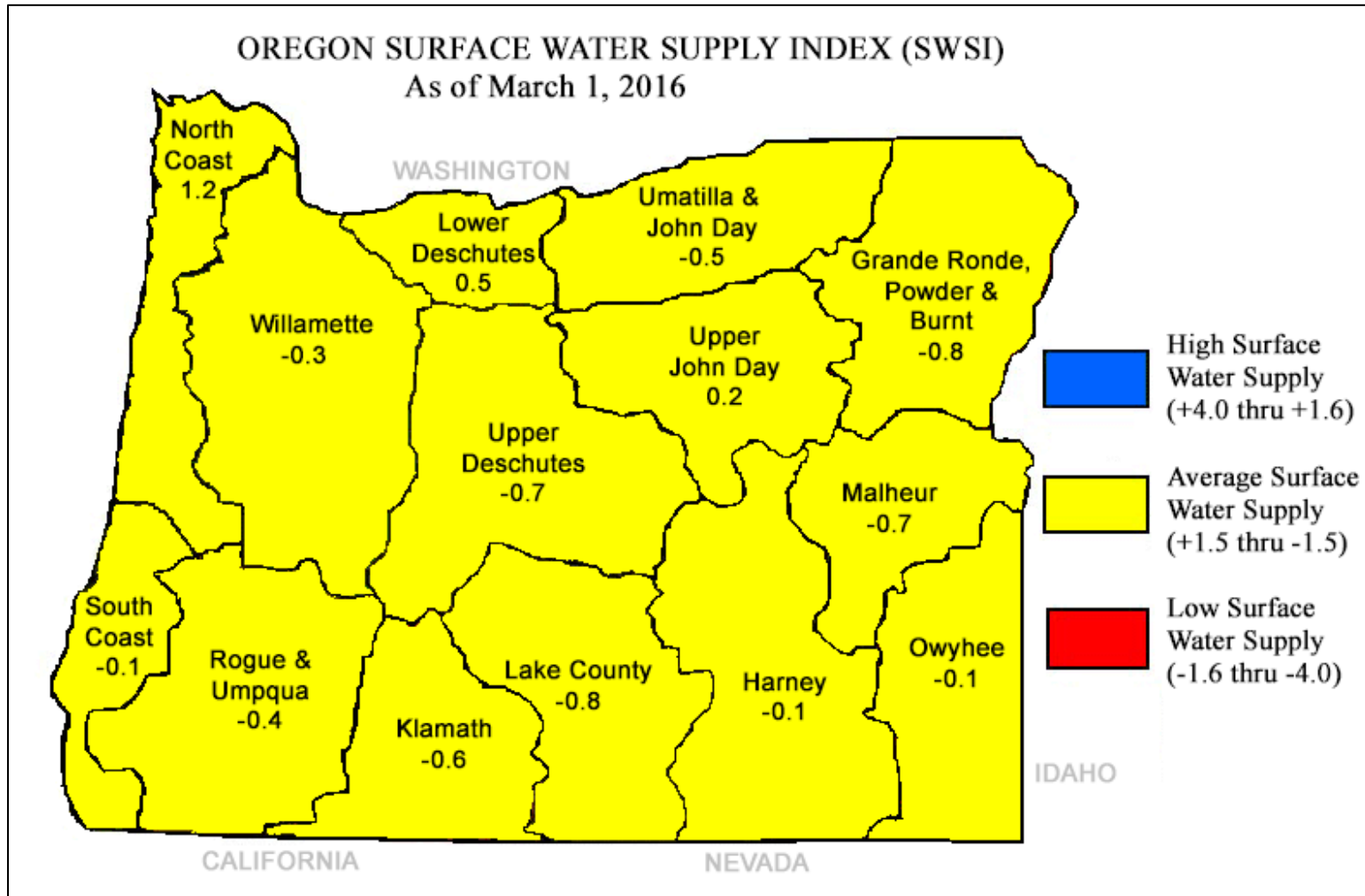
## SNOTEL Water Year (Oct 1) to Date Precipitation % of Normal



# SNOTEL Current Snow Water Equivalent (SWE) % of Normal

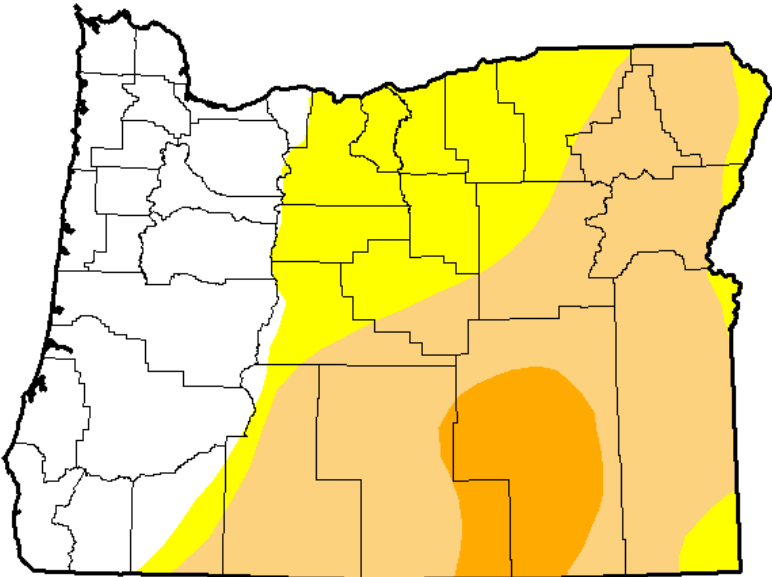


## Surface Water Supply Index



Website: <http://www.nrcs.usda.gov/wps/portal/nrcs/detail/or/snow/waterproducts/?cid=stelprdb1244919>

# U.S. Drought Monitor for Oregon (March 22, 2016)



*The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.*

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
<b>Current</b>	30.33	69.67	47.62	7.94	0.00	0.00
<b>Last Week</b> <i>3/15/2016</i>	29.47	70.53	48.88	18.60	0.00	0.00
<b>3 Months Ago</b> <i>12/22/2015</i>	10.18	89.82	84.93	77.89	49.16	0.00
<b>Start of Calendar Year</b> <i>12/29/2015</i>	14.52	85.48	80.45	65.33	39.55	0.00
<b>Start of Water Year</b> <i>9/29/2015</i>	0.00	100.00	100.00	100.00	67.29	0.00
<b>One Year Ago</b> <i>3/24/2015</i>	14.36	85.64	82.30	47.93	33.72	0.00

**Intensity:**

- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
- D4 Exceptional Drought

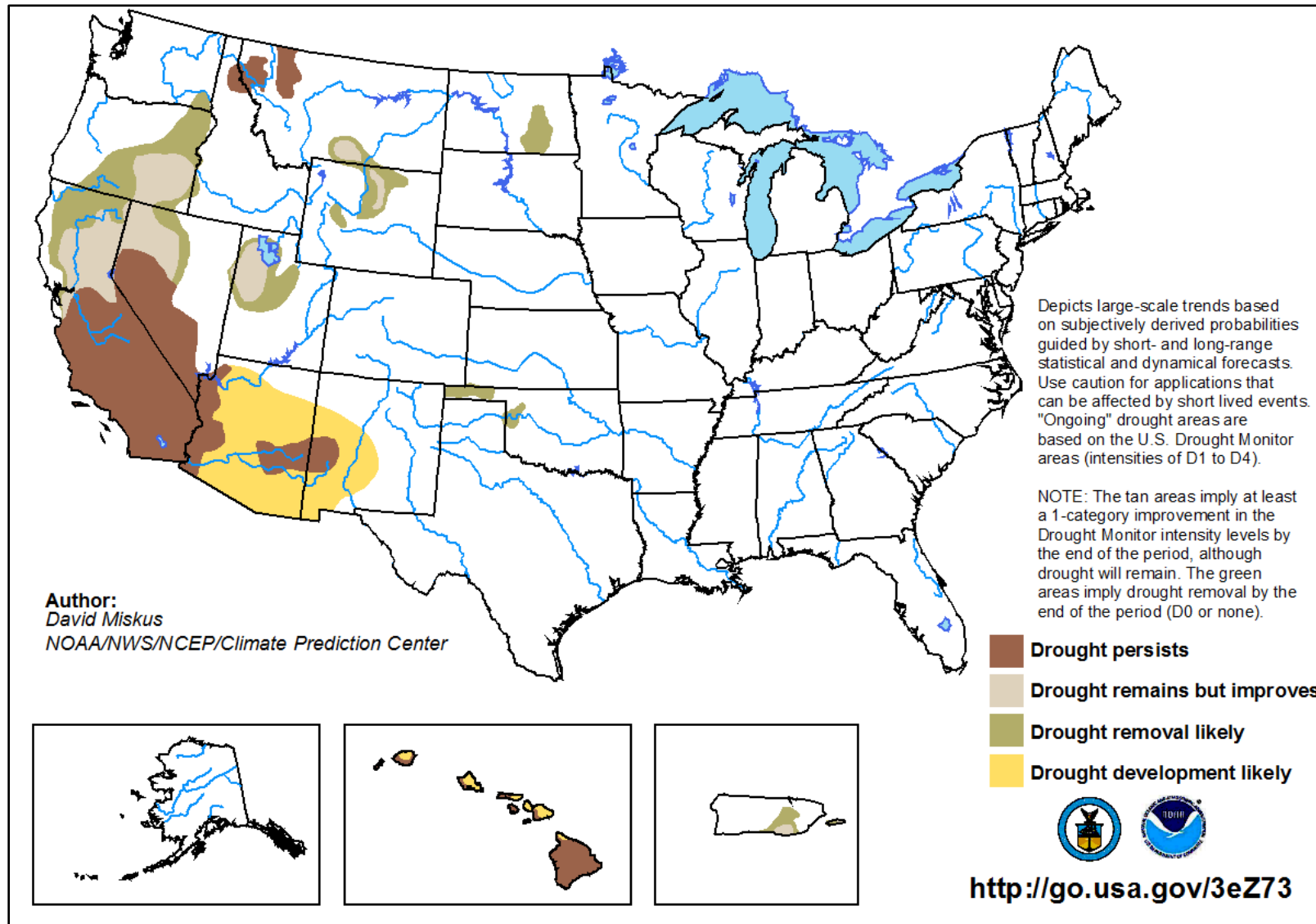
**Author:**  
Brad Rippey  
U.S. Department of Agriculture



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

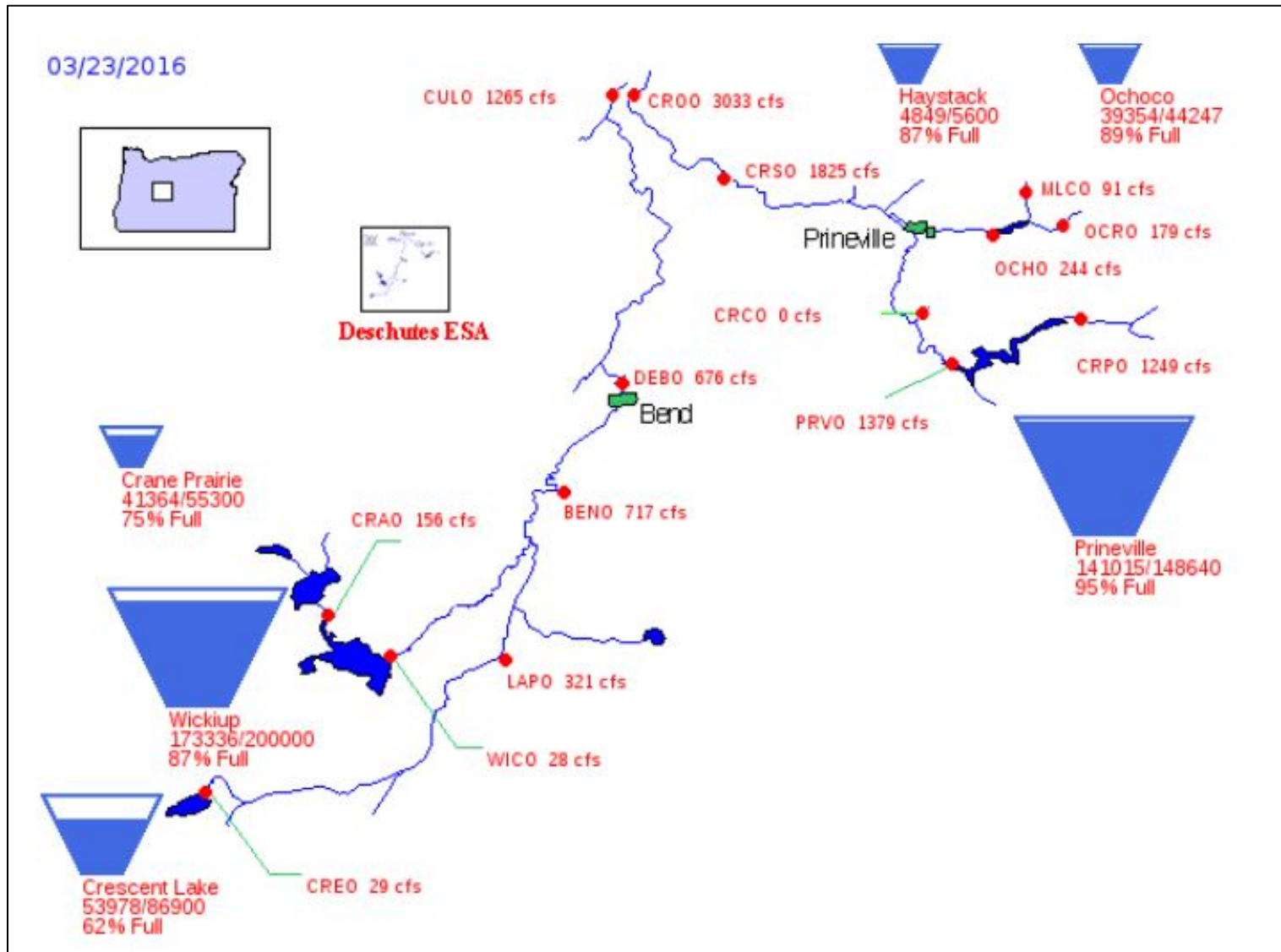


## U.S. Seasonal Drought Outlook (March 17 – June 30, 2016)



Website: [http://www.cpc.ncep.noaa.gov/products/expert\\_assessment/sdo\\_summary.php](http://www.cpc.ncep.noaa.gov/products/expert_assessment/sdo_summary.php)

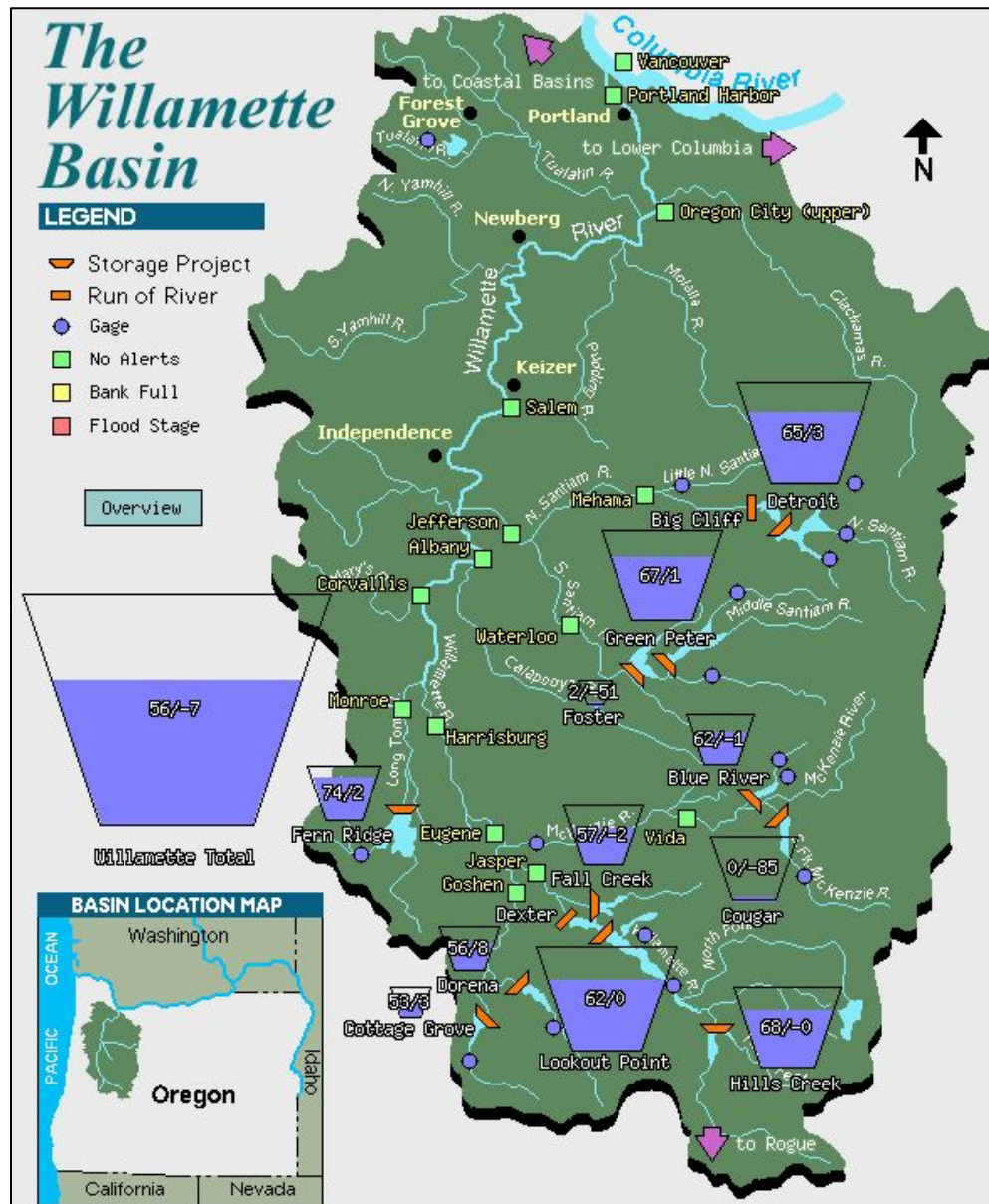
## Reservoir Storage – Deschutes Basin



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

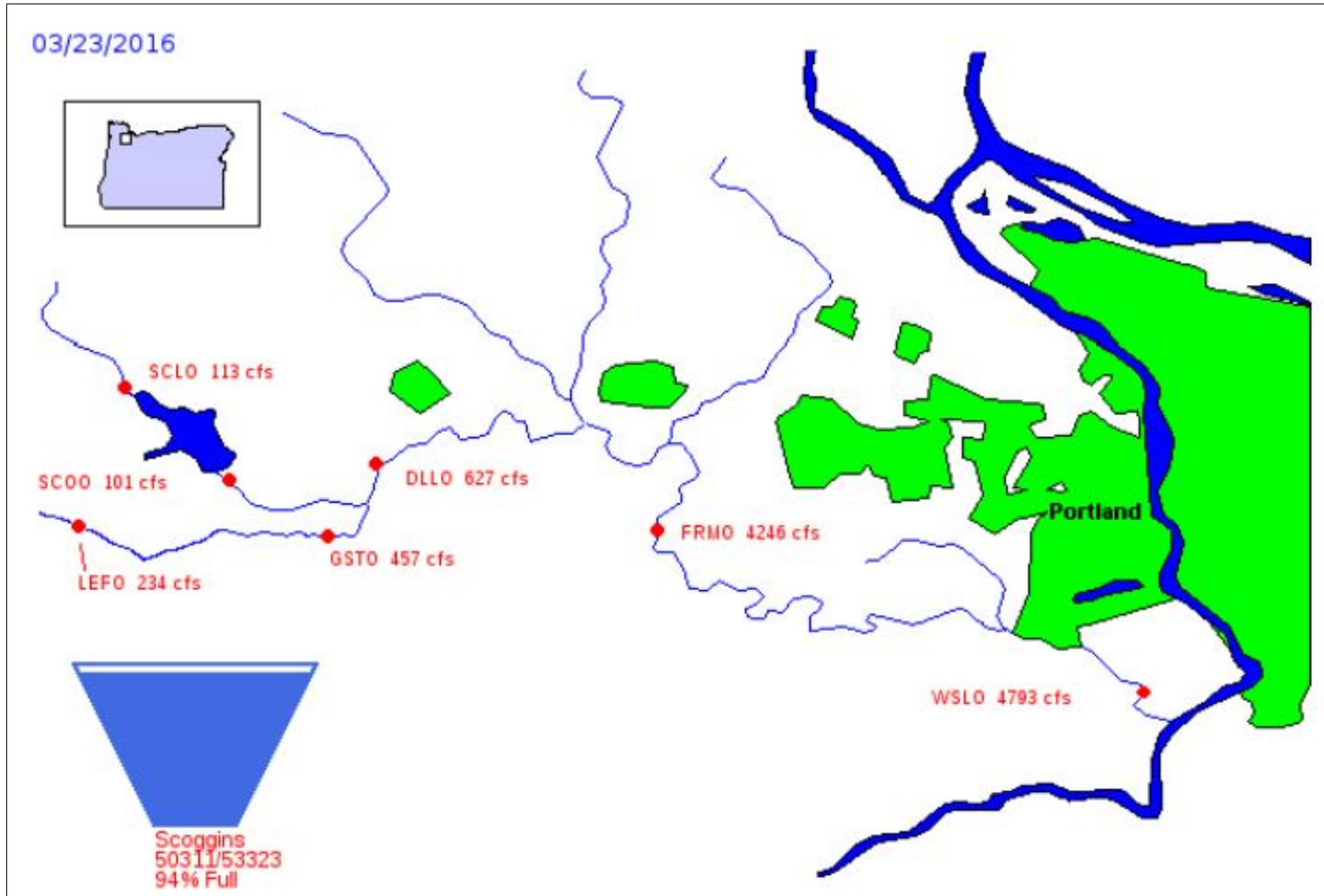


## Reservoir Storage – Willamette River Basin



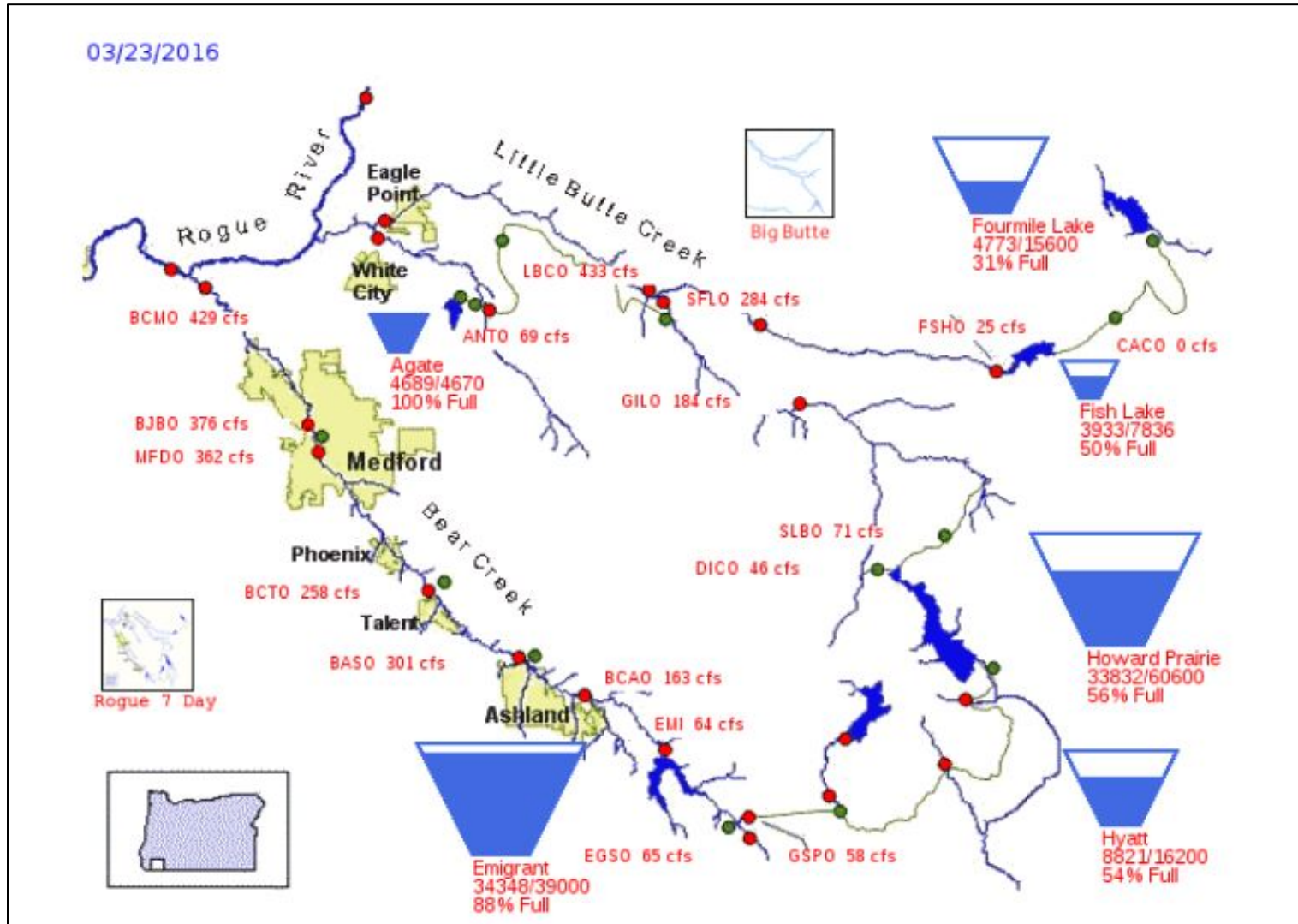
Website: <http://www.nwd-wc.usace.army.mil/nwp/teacup/willamette/>

## Reservoir Storage – Tualatin River Basin (Provisional Data)



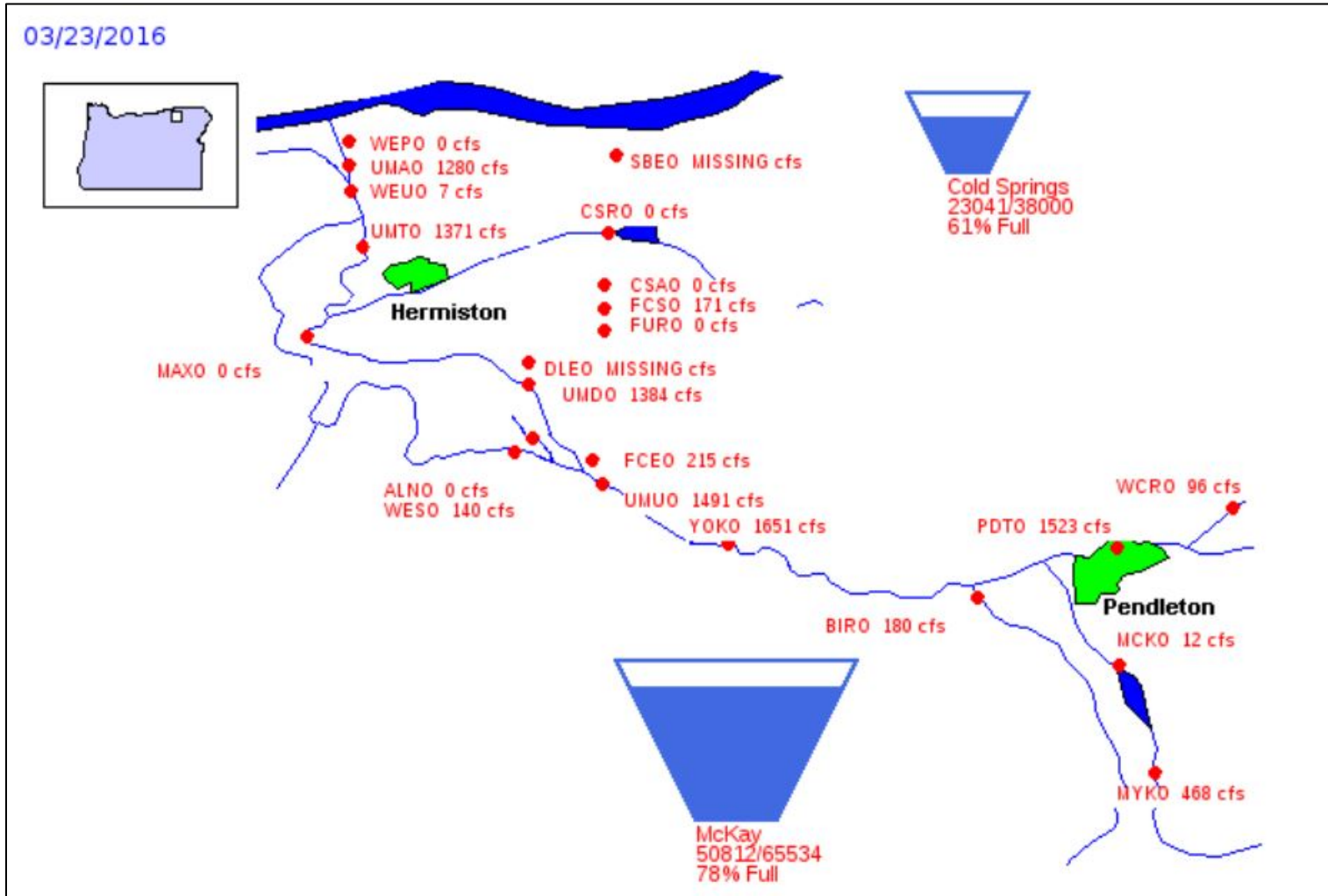
Website: <http://www.usbr.gov/pn/hydromet/tuatea.html>

## Reservoir Storage – Rogue River Basin (Provisional Data)



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

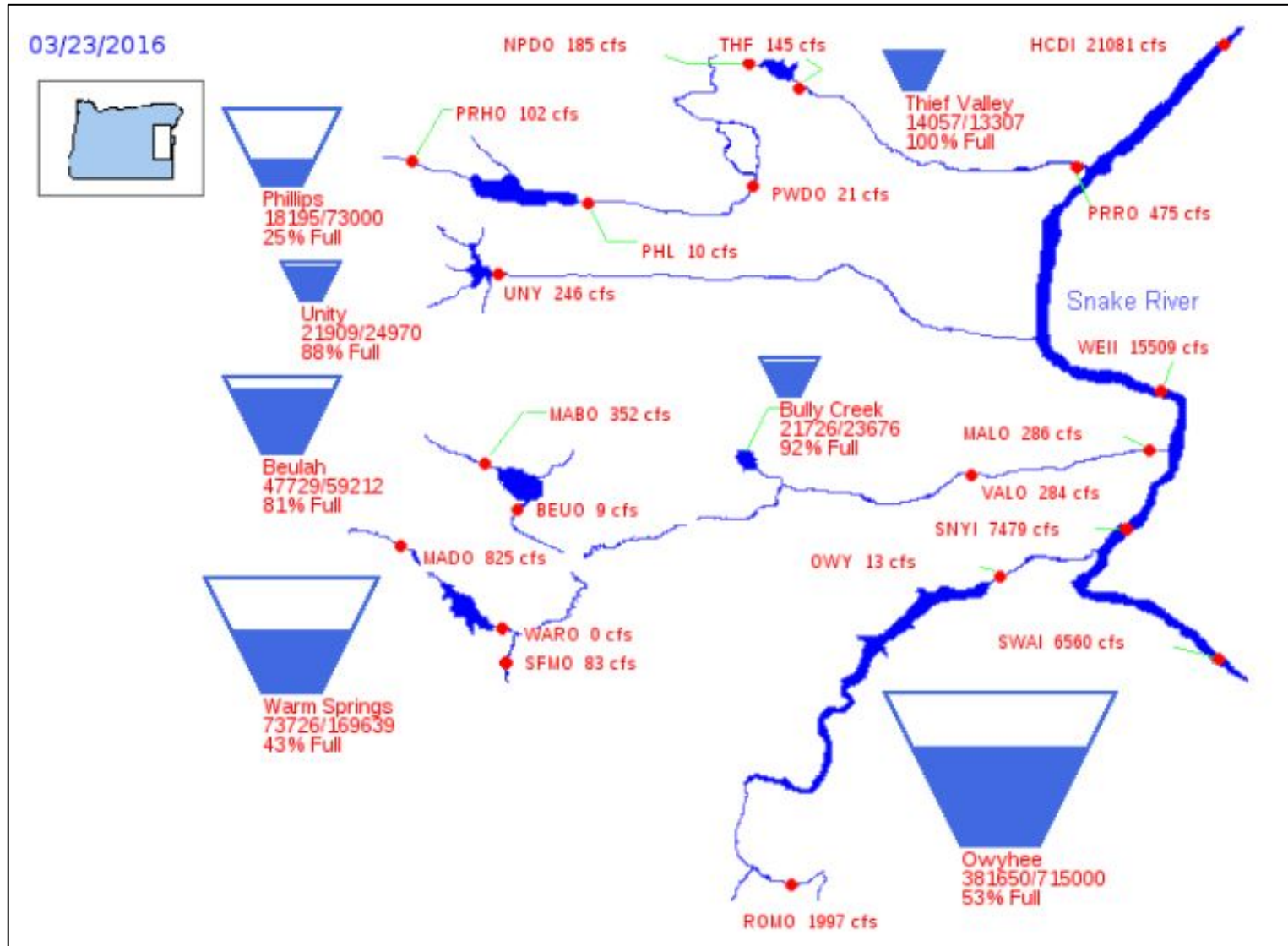
## Reservoir Storage – Umatilla River Basin (Provisional Data)



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



## Reservoir Storage – Southeastern Oregon (Provisional Data)



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