



# Drought Report for the Week of January 4, 2016

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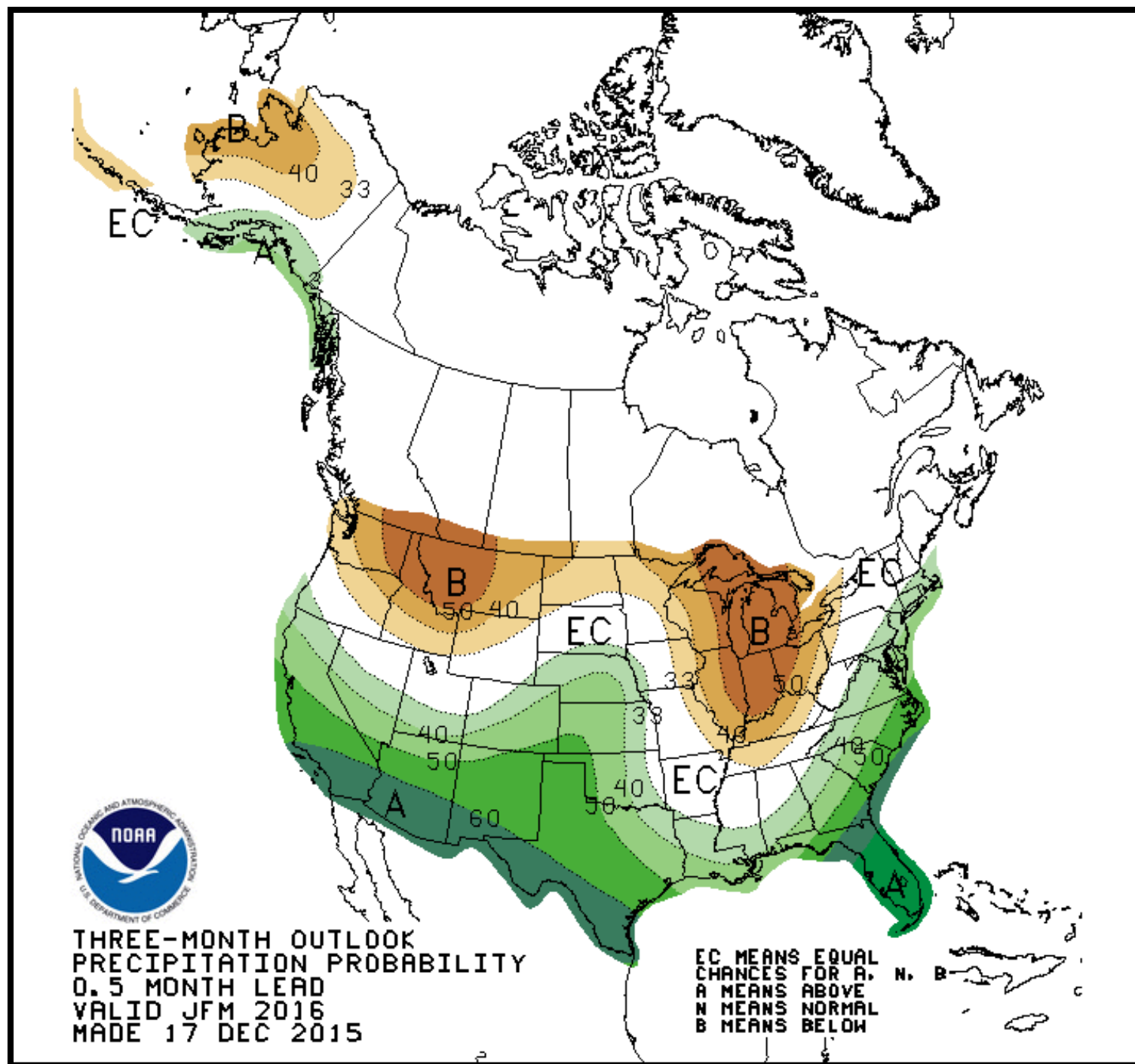


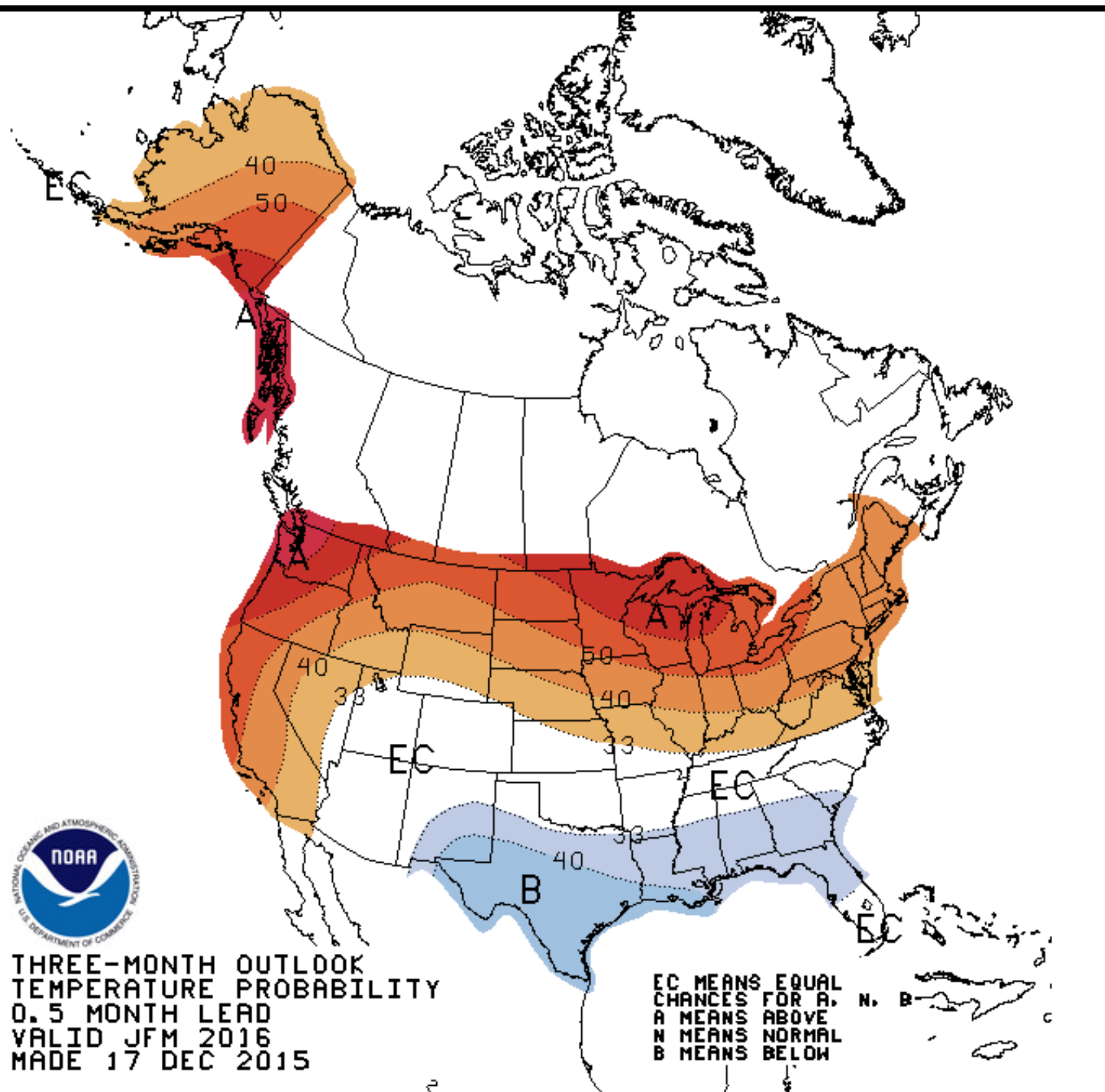
In November, statewide streamflow conditions were 65 percent of average. Due to recent weather events, statewide streamflow conditions have improved considerably. For the month of December, statewide stream flows were approximately 123 percent of average. It should be noted that December streamflow conditions for Western Oregon were 185 percent of average and flows for streams east of the Cascades were 83 percent of average. Despite this, almost 40 percent of Oregon is still under “Extreme Drought” according to the U.S. Drought Monitor. Reservoirs, especially in Eastern Oregon remain at extremely low levels.

The U.S. Seasonal Drought Outlook released last week shows drought conditions remaining through March, but with much of the state improving. Much of this will depend on how El Nino plays out through the winter months of December, January and February. For more information, refer to [\*What to Expect from this Year's El Niño\*](#), featured in this month's CIRCulator publication from the Pacific Northwest Climate Impacts Research Consortium.

**To go to a specific section click on title below:**

- Three Month Outlook – Precipitation Probability
- Three Month Outlook – Temperature Probability
- Oregon SNOTEL Water Year-to-Date Precipitation % of Normal
- Oregon SNOTEL Current Snow Water Equivalent % of Normal
- Oregon Drought Monitor
- U.S. Seasonal Drought Outlook
- Reservoir Storage Diagrams
  - Deschutes Basin
  - Willamette Basin
  - Tualatin River Basin
  - Rogue Basin
  - Umatilla River Basin
  - Southeastern Oregon

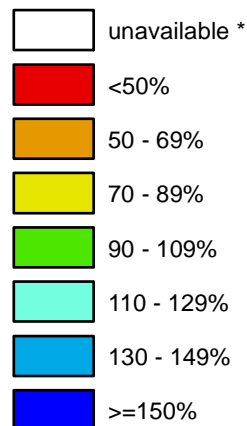




# Oregon SNOTEL Water Year (Oct 1) to Date Precipitation % of Normal

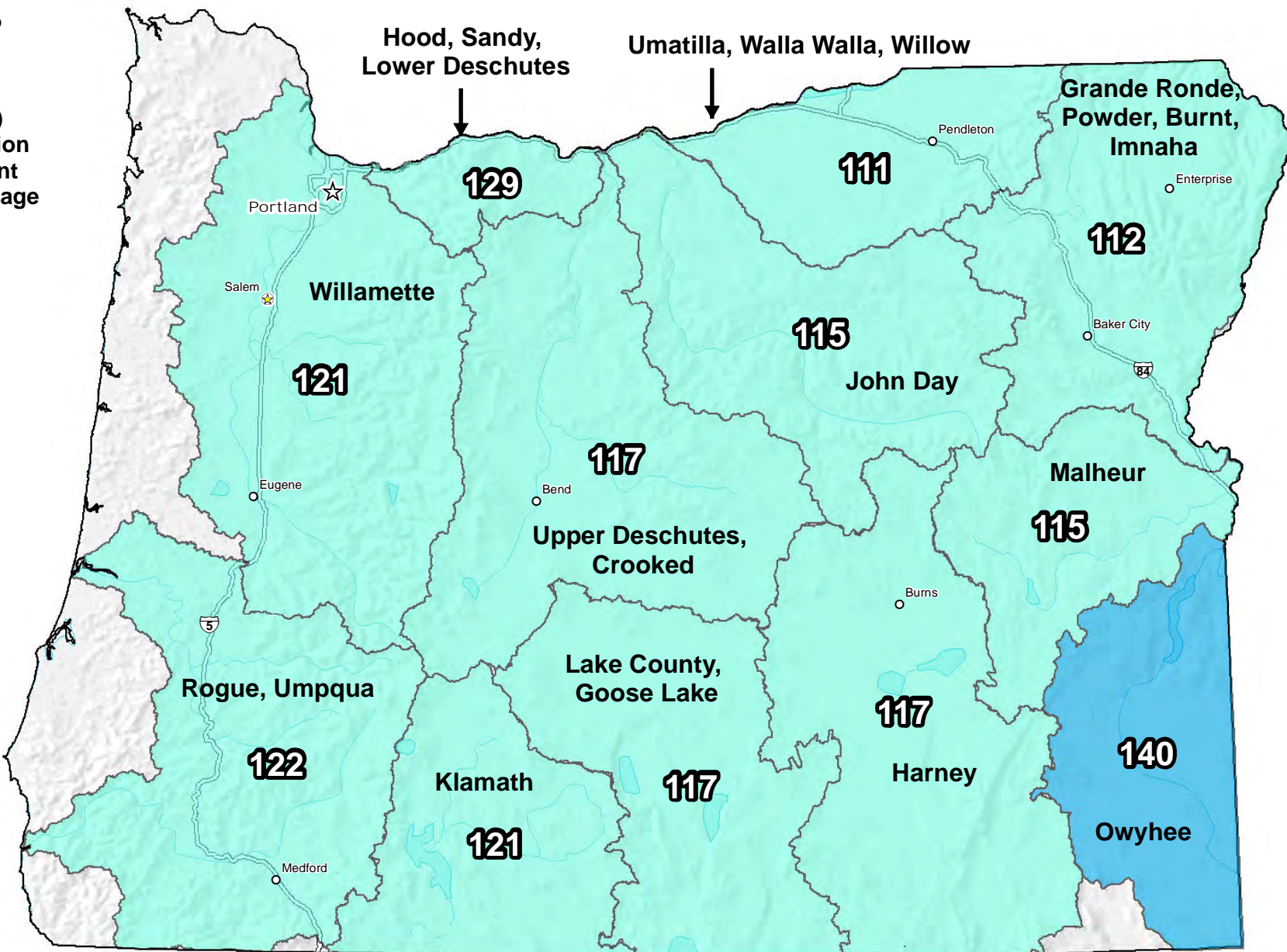
Jan 04, 2016

**Water Year (Oct 1)  
to Date Precipitation  
Basin-wide Percent  
of 1981-2010 Average**



\* Data unavailable at time  
of posting or measurement  
is not representative at this  
time of year

**Provisional Data  
Subject to Revision**



The water year to date precipitation percent of normal represents the accumulated precipitation found at selected SNOTEL sites in or near the basin compared to the average value for those sites on this day. Data based on the first reading of the day (typically 00:00).

0 10 20 40 60 80 100 Miles

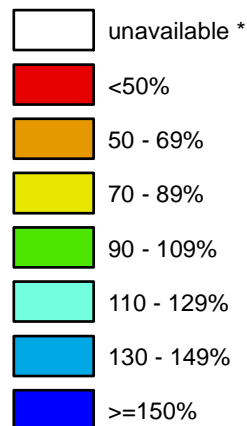
Prepared by:  
USDA/NRCS National Water and Climate Center  
Portland, Oregon  
<http://www.wcc.nrcs.usda.gov>



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

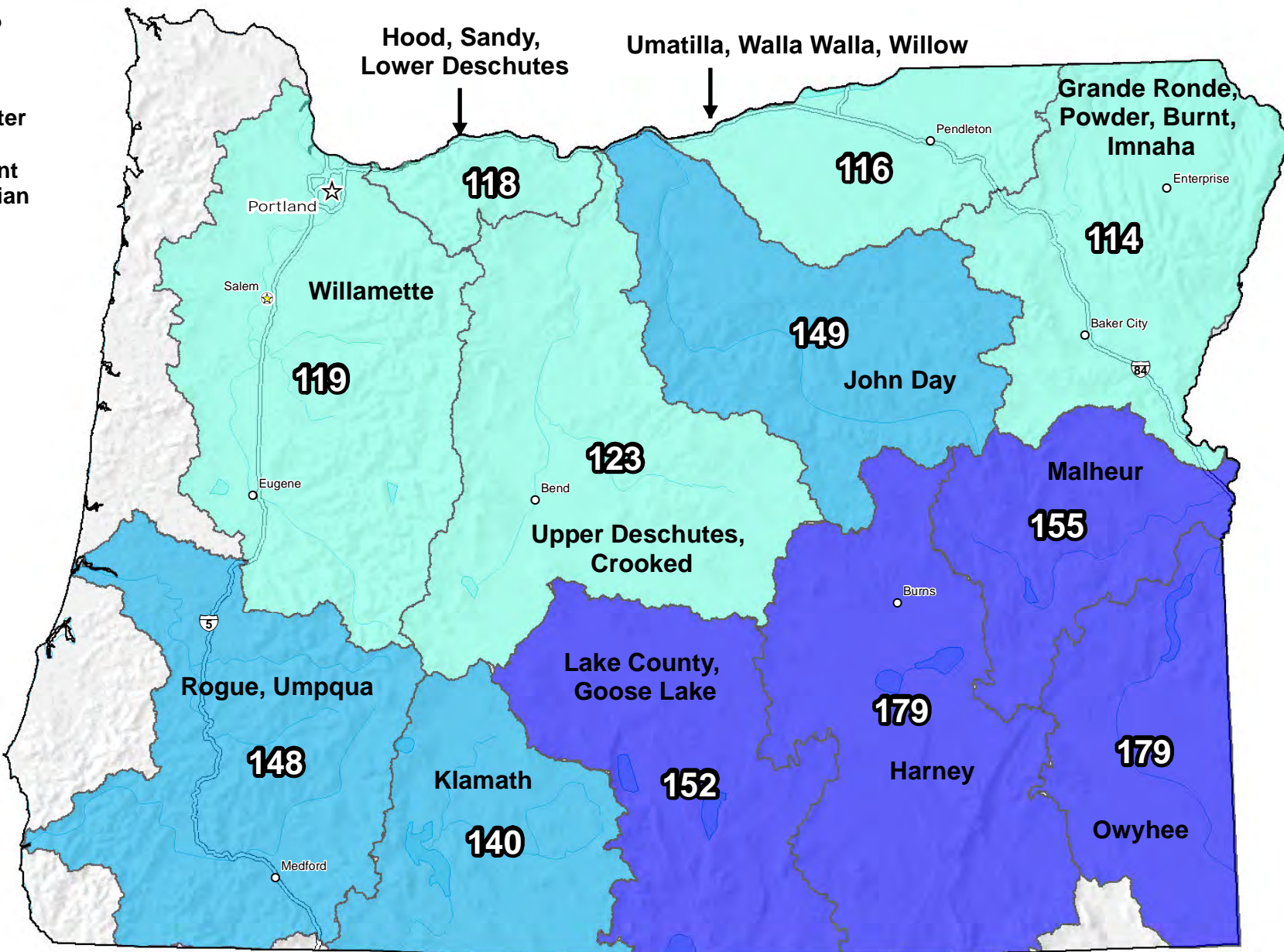
Jan 04, 2016

**Current Snow Water Equivalent (SWE) Basin-wide Percent of 1981-2010 Median**



\* Data unavailable at time of posting or measurement is not representative at this time of year

**Provisional Data  
Subject to Revision**



The snow water equivalent percent of normal represents the current snow water equivalent found at selected SNOTEL sites in or near the basin compared to the average value for those sites on this day. Data based on the first reading of the day (typically 00:00).

0 10 20 40 60 80 100 Miles

Prepared by:  
USDA/NRCS National Water and Climate Center  
Portland, Oregon  
<http://www.wcc.nrcs.usda.gov>

# U.S. Drought Monitor Oregon

**December 29, 2015**  
(Released Thursday, Dec. 31, 2015)  
Valid 7 a.m. EST

*Drought Conditions (Percent Area)*

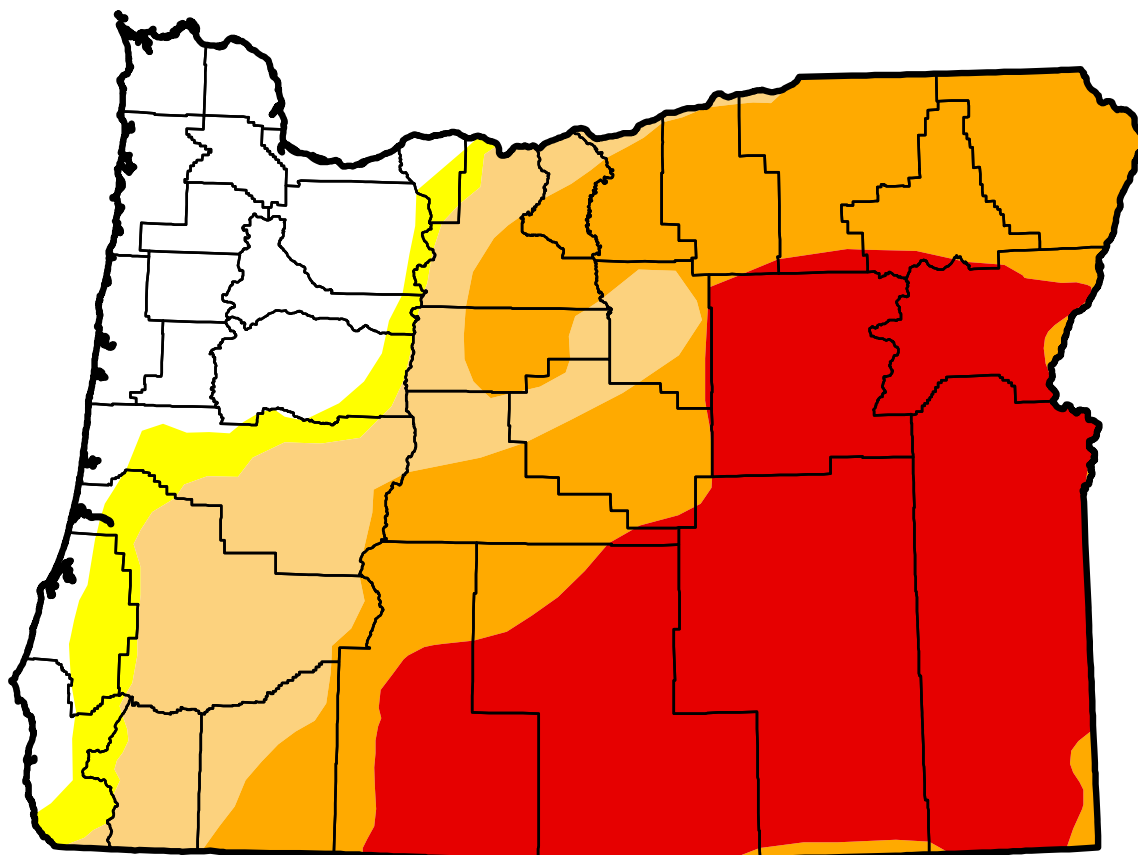
	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
<b>Current</b>	14.52	85.48	80.45	65.33	39.55	0.00
<b>Last Week</b> <i>12/22/2015</i>	10.18	89.82	84.93	77.89	49.16	0.00
<b>3 Months Ago</b> <i>9/29/2015</i>	0.00	100.00	100.00	100.00	67.29	0.00
<b>Start of Calendar Year</b> <i>12/30/2014</i>	13.61	86.39	80.70	49.29	34.11	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>12/30/2014</i>	13.61	86.39	80.70	49.29	34.11	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:**  
Chris Fenimore  
NOAA/NESDIS/NCEI

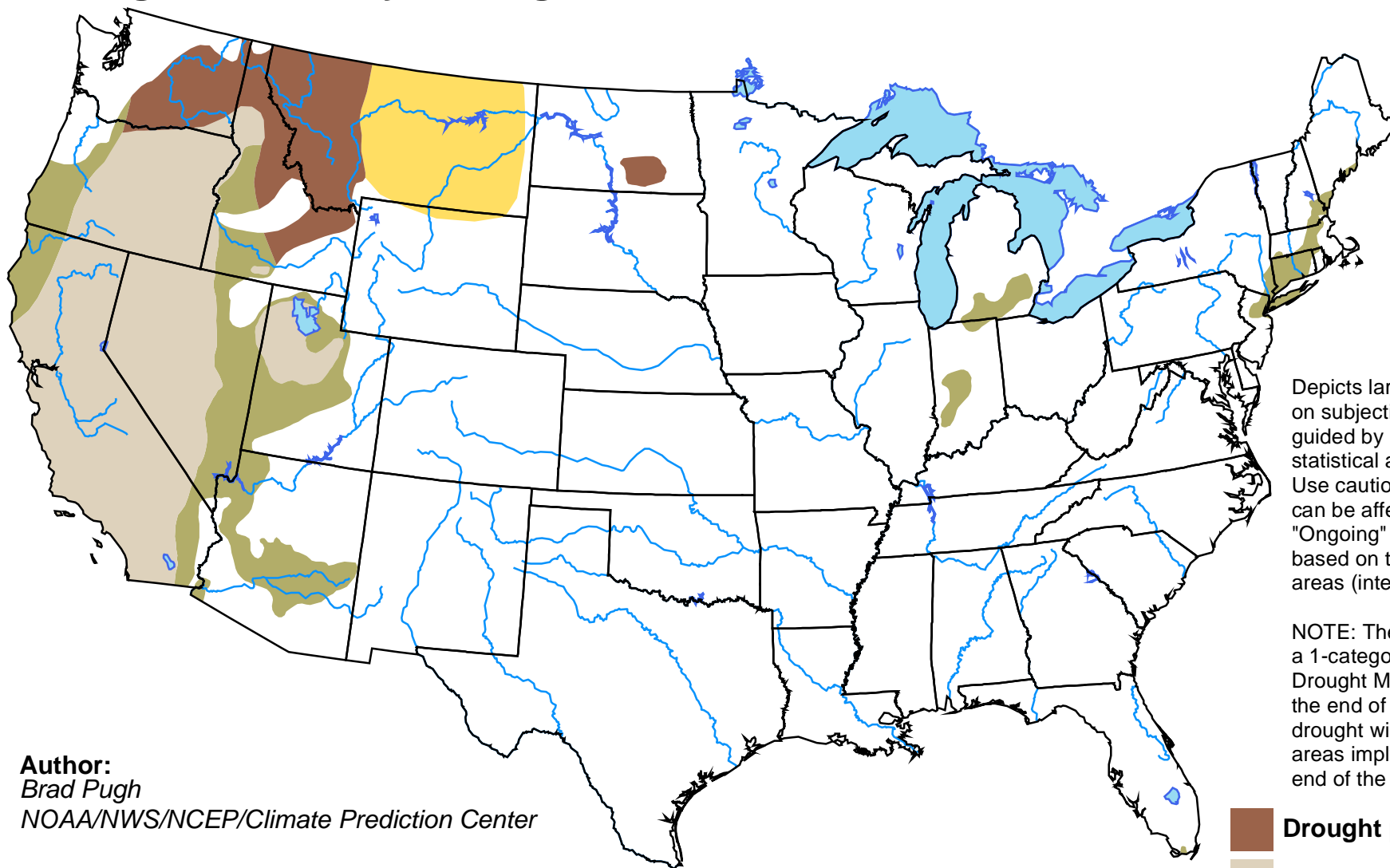


<http://droughtmonitor.unl.edu/>

# U.S. Seasonal Drought Outlook

## Drought Tendency During the Valid Period





Valid for December 17 - March 31, 2016  
Released December 17, 2015



**Author:**  
Brad Pugh  
NOAA/NWS/NCEP/Climate Prediction Center

Depicts large-scale trends based on subjectively derived probabilities guided by short- and long-range statistical and dynamical forecasts. Use caution for applications that can be affected by short lived events. "Ongoing" drought areas are based on the U.S. Drought Monitor areas (intensities of D1 to D4).

NOTE: The tan areas imply at least a 1-category improvement in the Drought Monitor intensity levels by the end of the period, although drought will remain. The green areas imply drought removal by the end of the period (D0 or none).

-  Drought persists
-  Drought remains but improves
-  Drought removal likely
-  Drought development likely

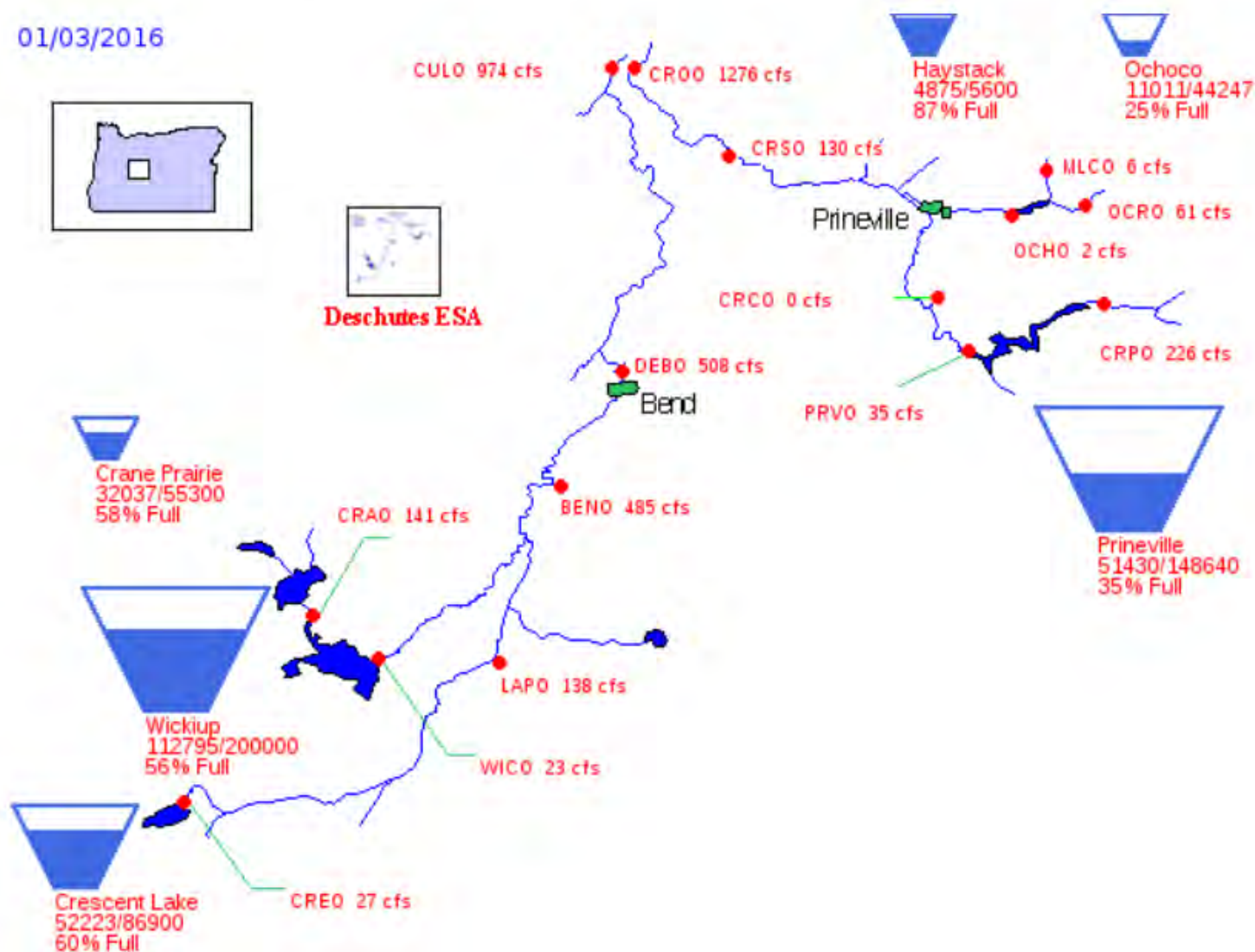


<http://go.usa.gov/3eZ73>



# US Bureau of Reclamation, Pacific Northwest Region Major Storage Reservoirs in the Deschutes River Basin







01/03/2016





# The Willamette Basin

## LEGEND

-  Storage Project
-  Run of River
-  Gage
-  No Alerts
-  Bank Full
-  Flood Stage

Overview



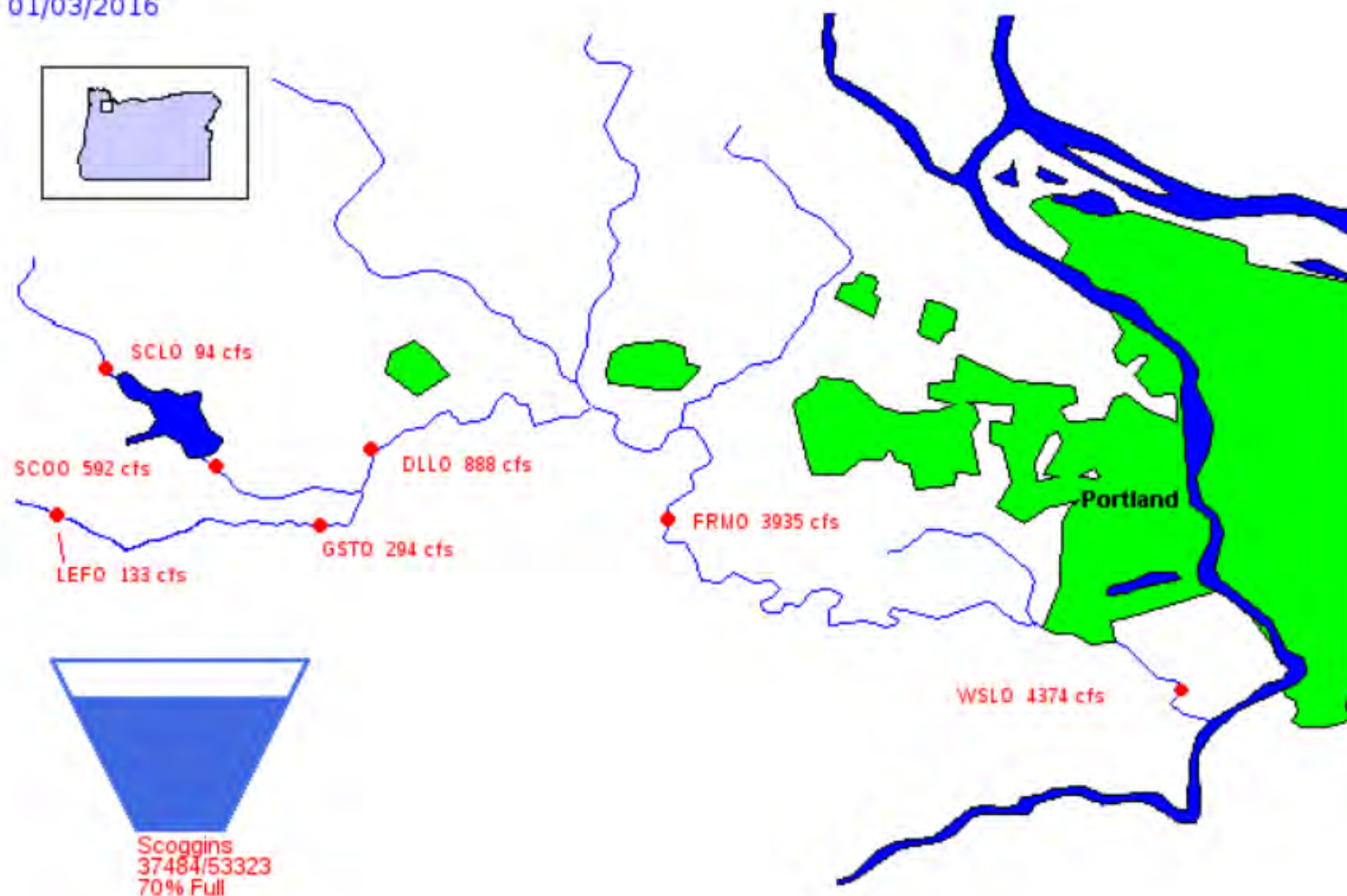
Willamette Total

## BASIN LOCATION MAP



# Bureau of Reclamation, Pacific Northwest Region Tualatin River Basin Storage and Flow Diagram

01/03/2016

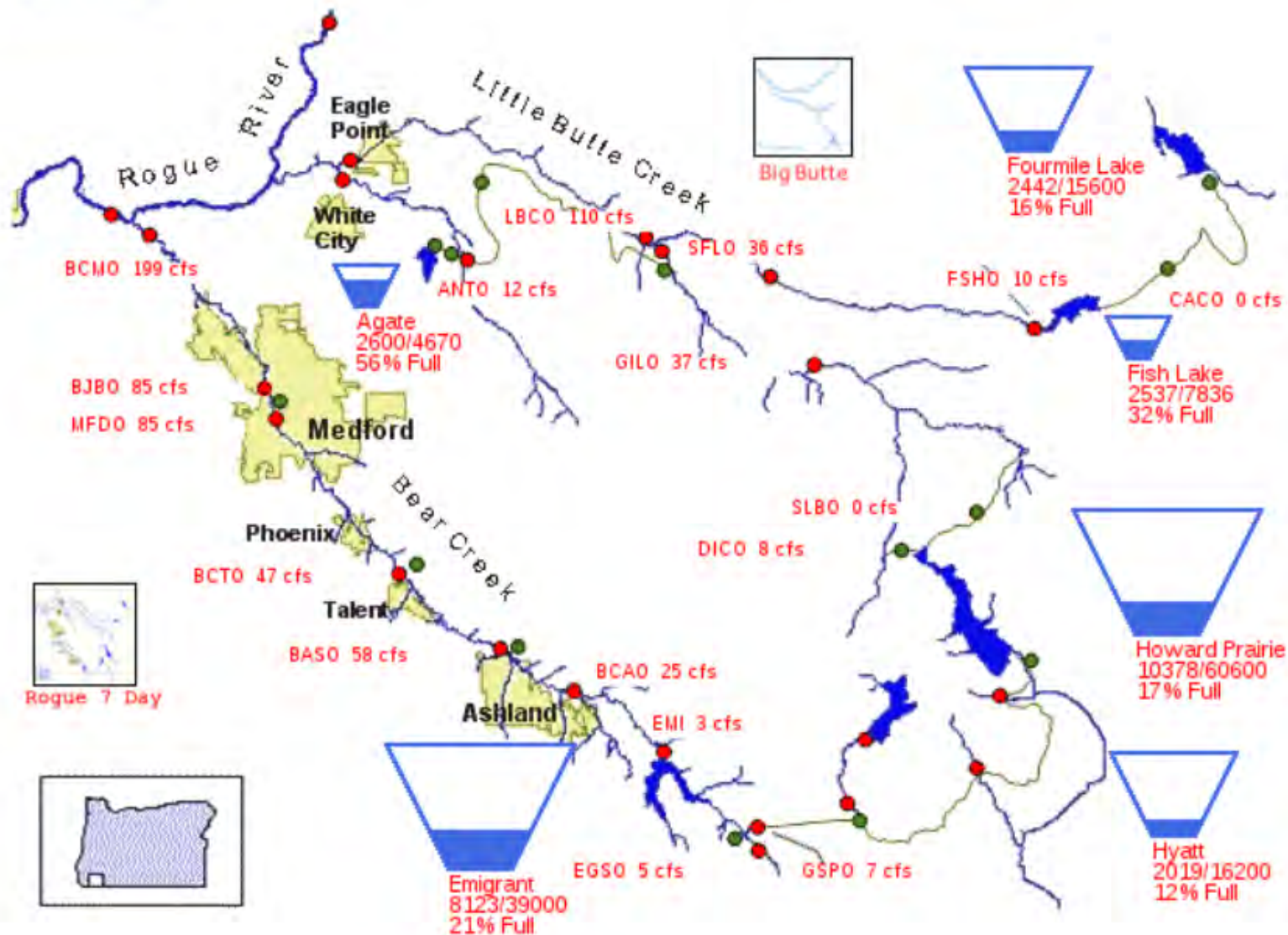




# US Bureau of Reclamation, Pacific Northwest Region

## Bear Creek and Little Butte Creek Basins

01/03/2016





# Rogue Basin Teacup Diagram

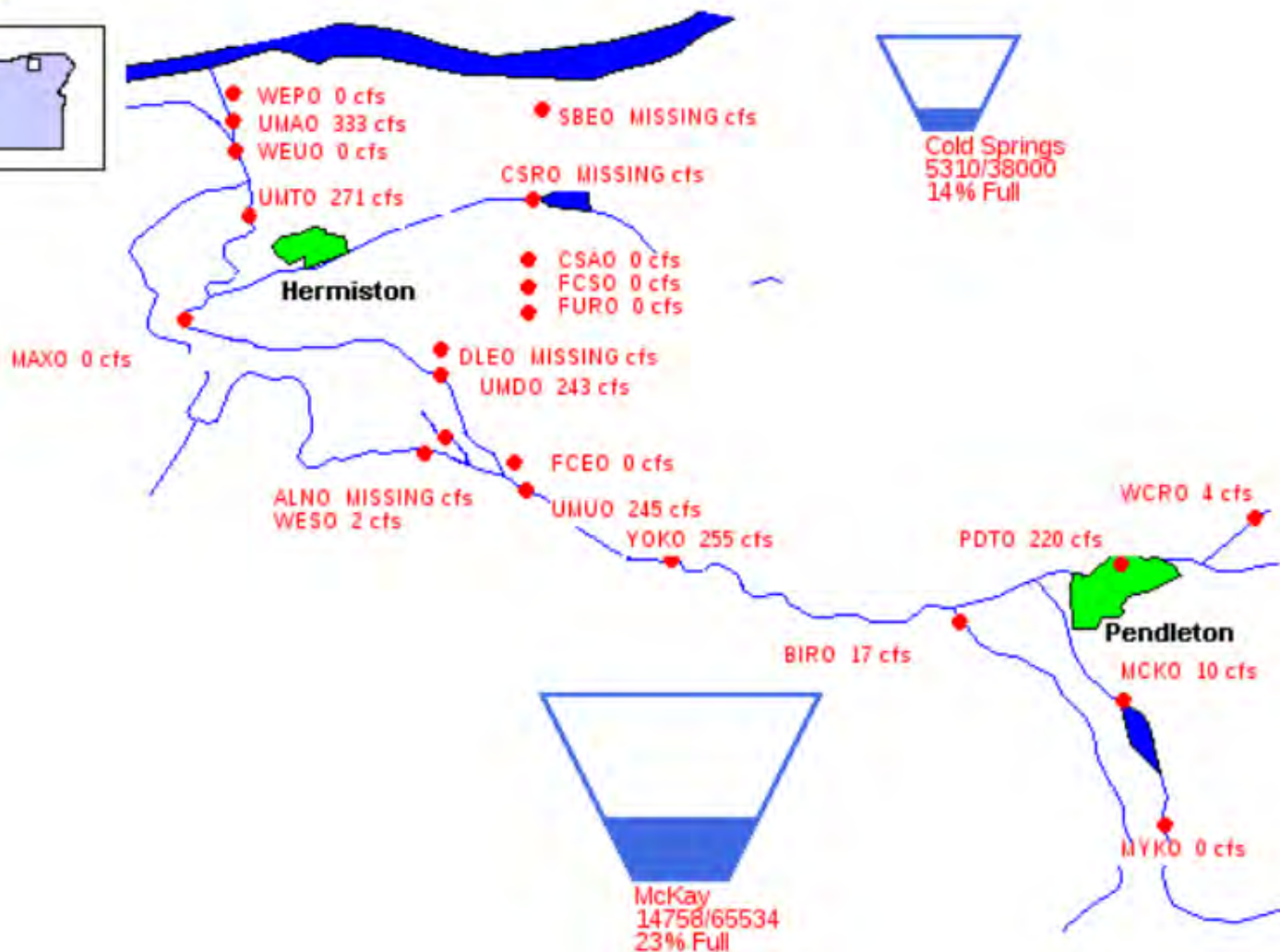
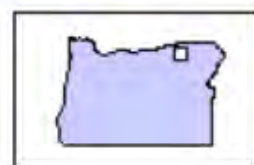




# Bureau of Reclamation, Pacific Northwest Region

## Umatill River Basin Storage and Flow Diagram

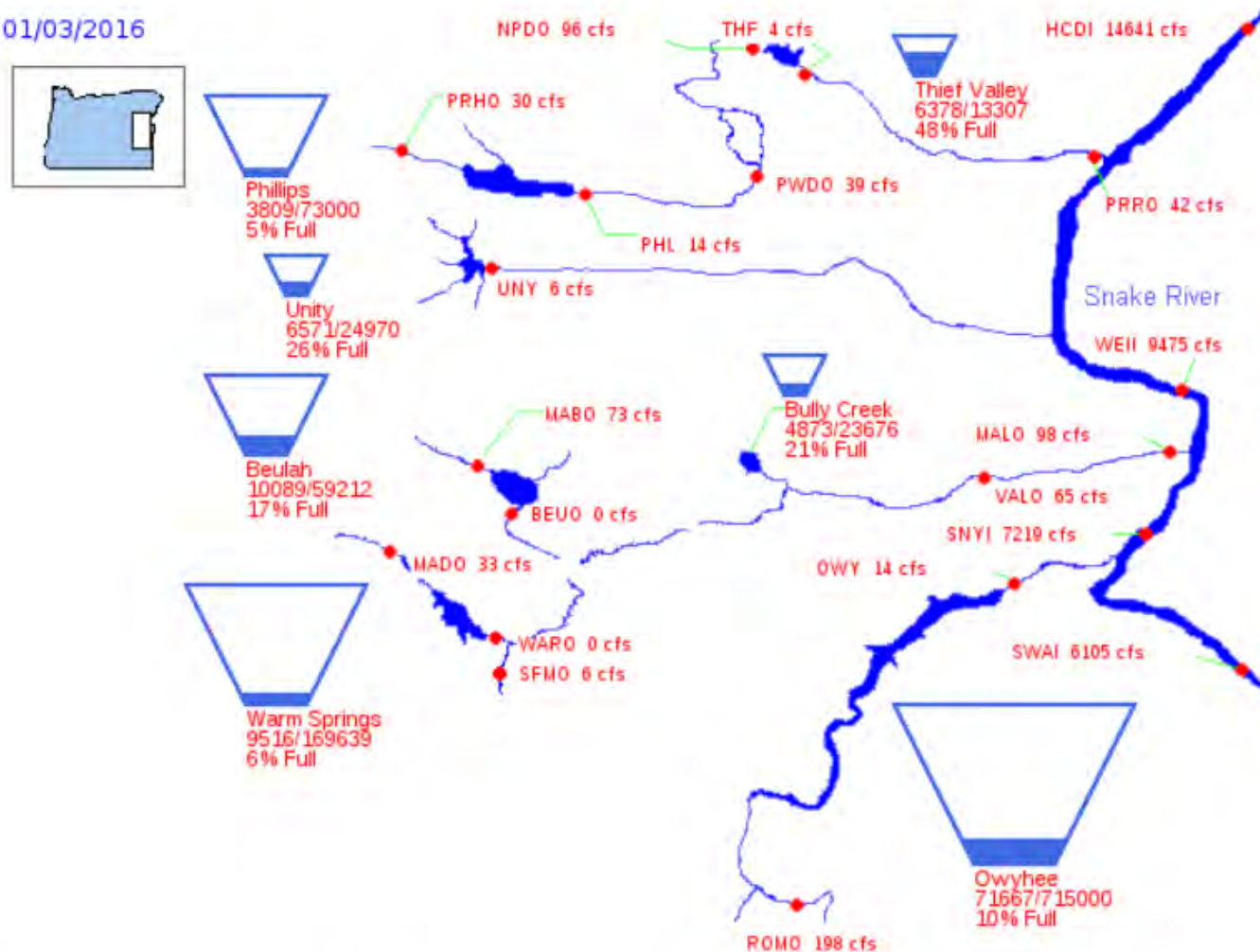
01/03/2016



# US Bureau of Reclamation, Pacific Northwest Region

## Major Storage Reservoirs in Southeastern Oregon

01/03/2016



**NOTE:** This graphic does not depict 400,000 acre-feet of water that is maintained in Owyhee reservoir.