



Drought Report for the Week of February 16, 2016



Early 2016 winter weather patterns have been favorable for improved snowpack and streamflow conditions statewide. For the month of January, statewide streamflow conditions were almost 100 percent of average. January streamflow conditions for Western Oregon were 118 percent of average and flows for streams east of the Cascades were 85 percent of average. Statewide stream flow conditions for the middle of February are 130 percent of average. Mid-February streamflow conditions for Western Oregon are 72 percent of average and flows for streams east of the Cascades are 170 percent of average.

According to the [US Drought Monitor](#), there are no longer any areas of “Extreme Drought” in Oregon. However 34 percent is still listed as under “Severe Drought” primarily in the Southeastern part of the state. Reservoir levels, most notably in Eastern Oregon, are improving but still remain very low.

The [U.S. Seasonal Drought Outlook](#) released January 21 shows drought conditions persisting in northeast Oregon and remaining but improving in southeast Oregon through April, with much of the rest of the state improving.

NOAA’s [Climate Prediction Center](#) calls for weather conditions to bring above normal temperatures for the next three months. The February-March-April (FMA) 2016 temperature outlook favors above-normal temperatures across the entire Pacific Northwest. The FMA 2016 precipitation outlook for the northern third of Oregon is for below-median precipitation. The outlook for the southern two thirds of the state is for equal chances of above or below normal precipitation.

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- Three Month Outlook – Temperature Probability
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- Oregon SNOTEL Current Snow Water Equivalent % of Normal
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United States
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Agriculture



Natural Resources
Conservation
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Oregon Basin Outlook Report

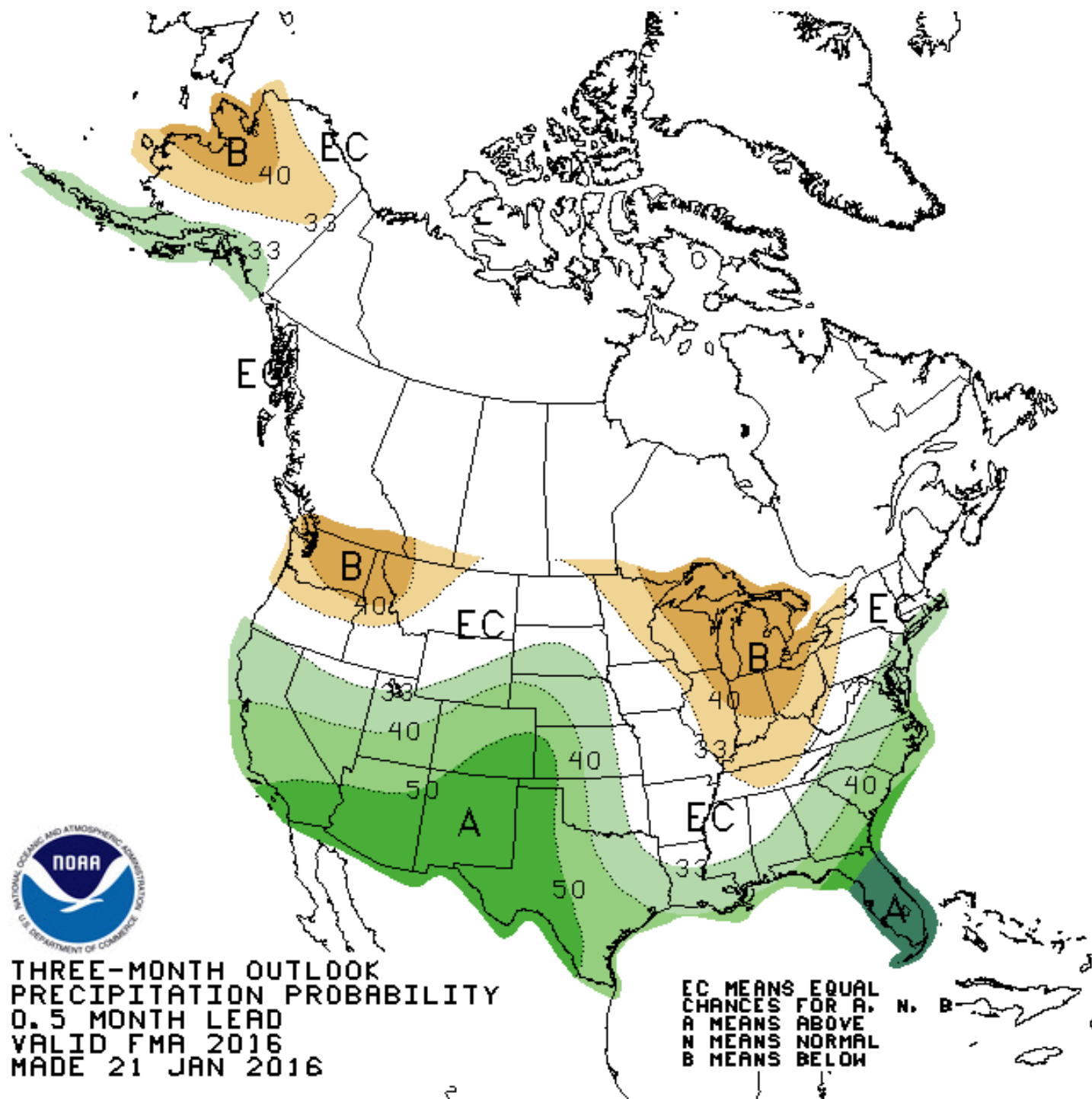
February 1st, 2016

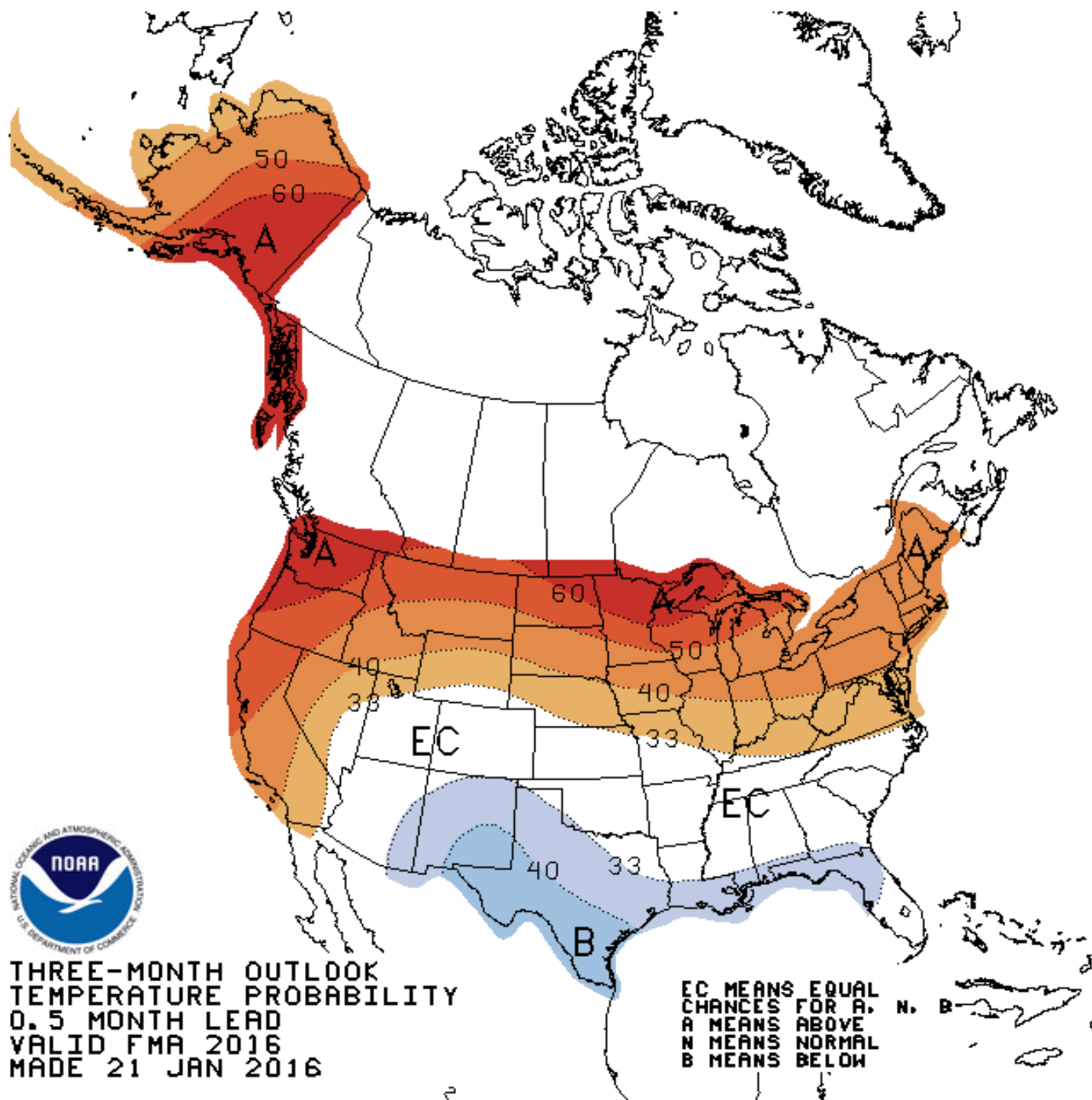


Measuring the snow at East Eagle snow course

Photo courtesy of Brandi Sangster (Snow Surveyor, Halfway, OR)

Six-year-old Bailey, the youngest member of Oregon's cooperative snow surveyor team, helped measure the February 1st snowpack at East Eagle snow course in the Wallowa Mountains. She measured 21 inches of snow water content stored in the 69 inch deep snowpack. She is 44 inches tall, which means that the snowpack would tower over her by nearly two feet. Currently, East Eagle snow course is at 144% of normal, while the snowpack of the Grande Ronde, Powder, Burnt and Imnaha basins sits at 115% of normal. All of Oregon's mountains are holding onto a near normal to well above normal snowpack as of February 1st.

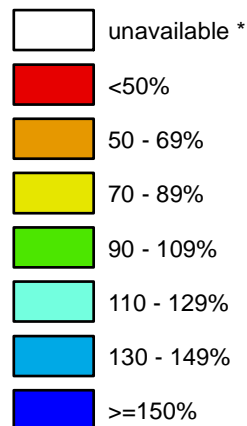




Oregon SNOTEL Water Year (Oct 1) to Date Precipitation % of Normal

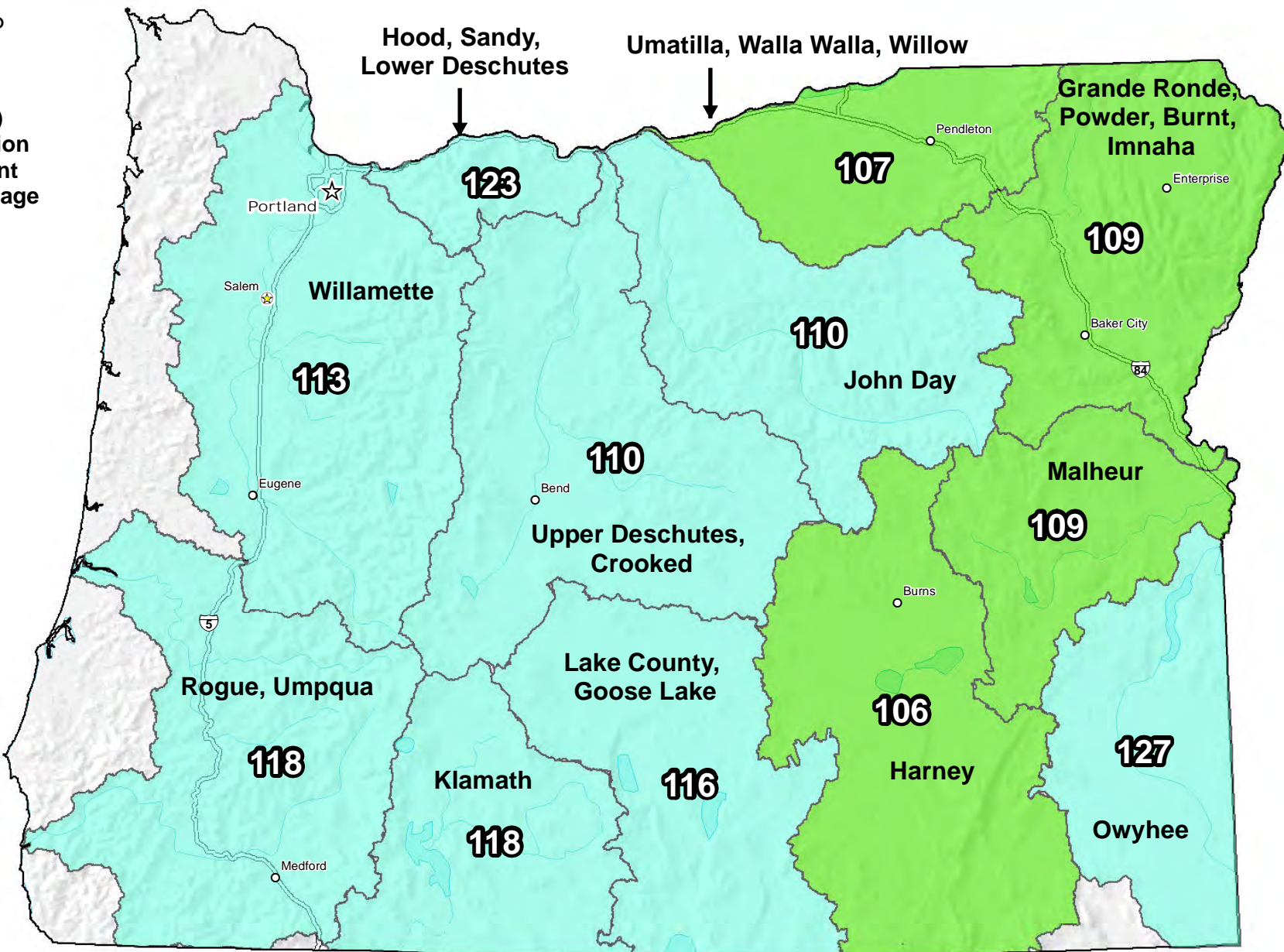
Feb 16, 2016

**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).

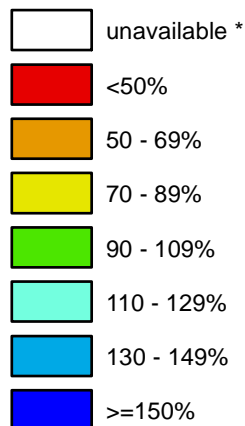
0 10 20 40 60 80 100 Miles

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

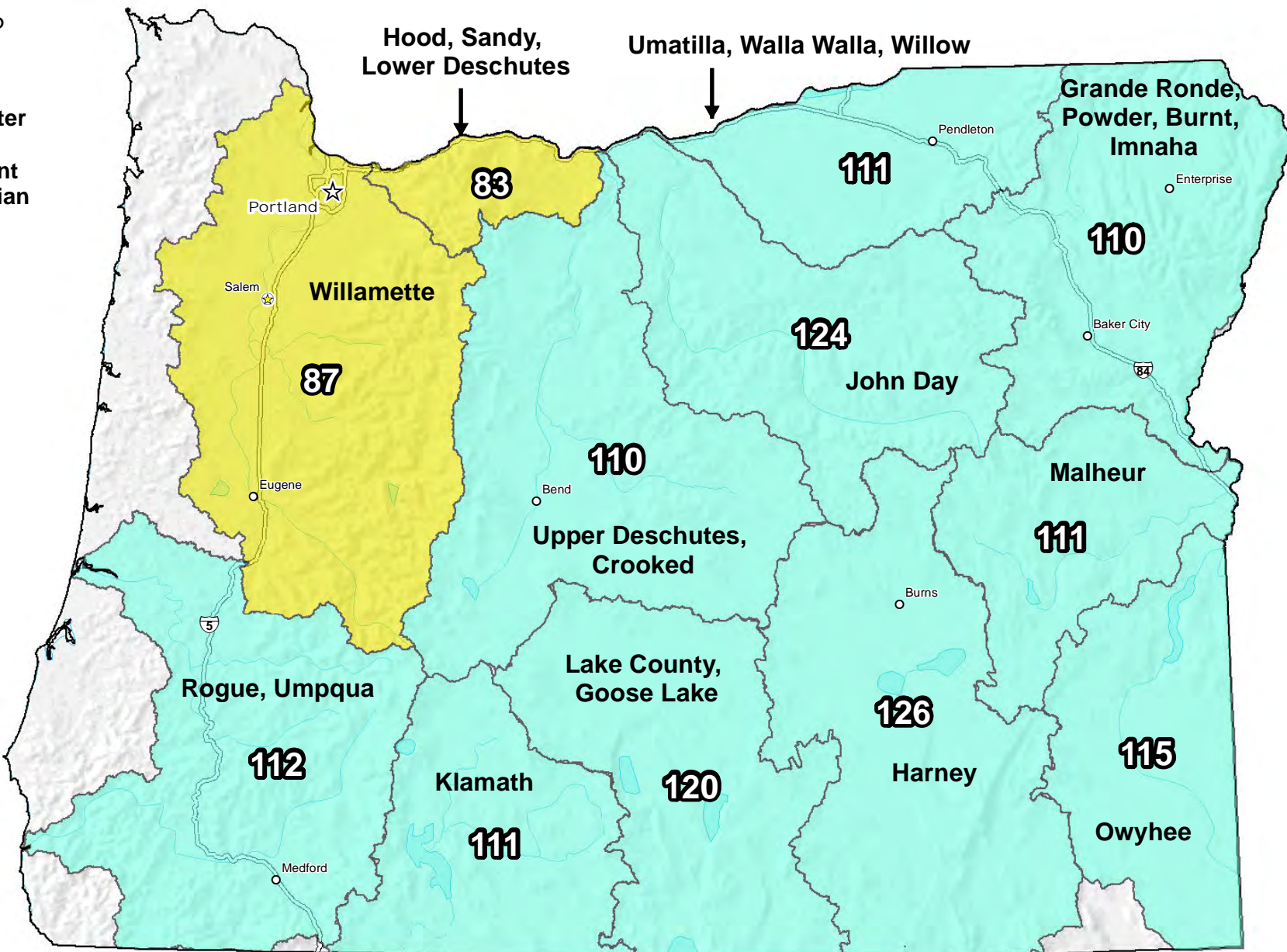
Feb 16, 2016

**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

February 9, 2016

(Released Thursday, Feb. 11, 2016)

Valid 7 a.m. EST

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	16.88	83.12	74.55	33.96	0.00	0.00
Last Week <i>2/2/2016</i>	14.58	85.42	74.56	40.97	4.38	0.00
3 Months Ago <i>11/10/2015</i>	0.00	100.00	100.00	91.53	60.69	0.00
Start of Calendar Year <i>12/29/2015</i>	14.52	85.48	80.45	65.33	39.55	0.00
Start of Water Year <i>9/29/2015</i>	0.00	100.00	100.00	100.00	67.29	0.00
One Year Ago <i>2/10/2015</i>	14.22	85.78	82.29	44.95	33.69	0.00

Intensity:

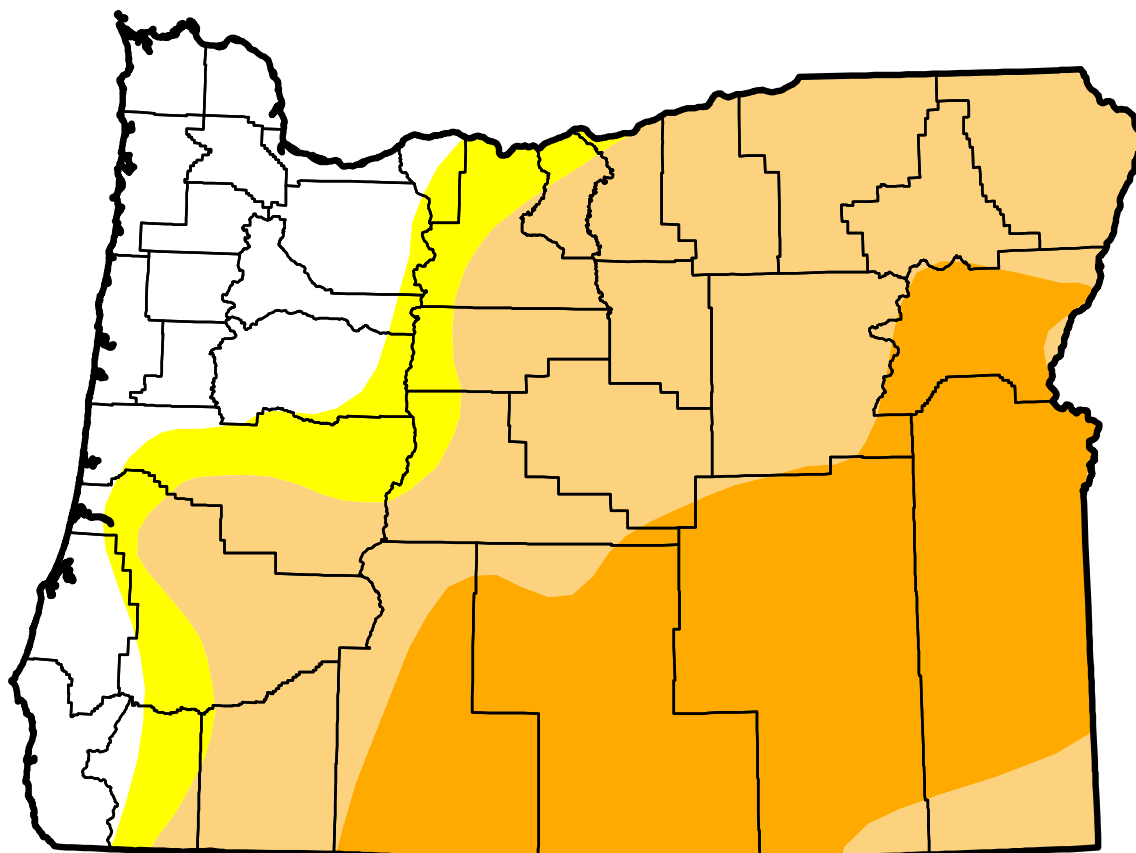
 D0 Abnormally Dry	 D3 Extreme Drought
 D1 Moderate Drought	 D4 Exceptional Drought
 D2 Severe Drought	

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

Author:

Anthony Artusa

NOAA/NWS/NCEP/CPC

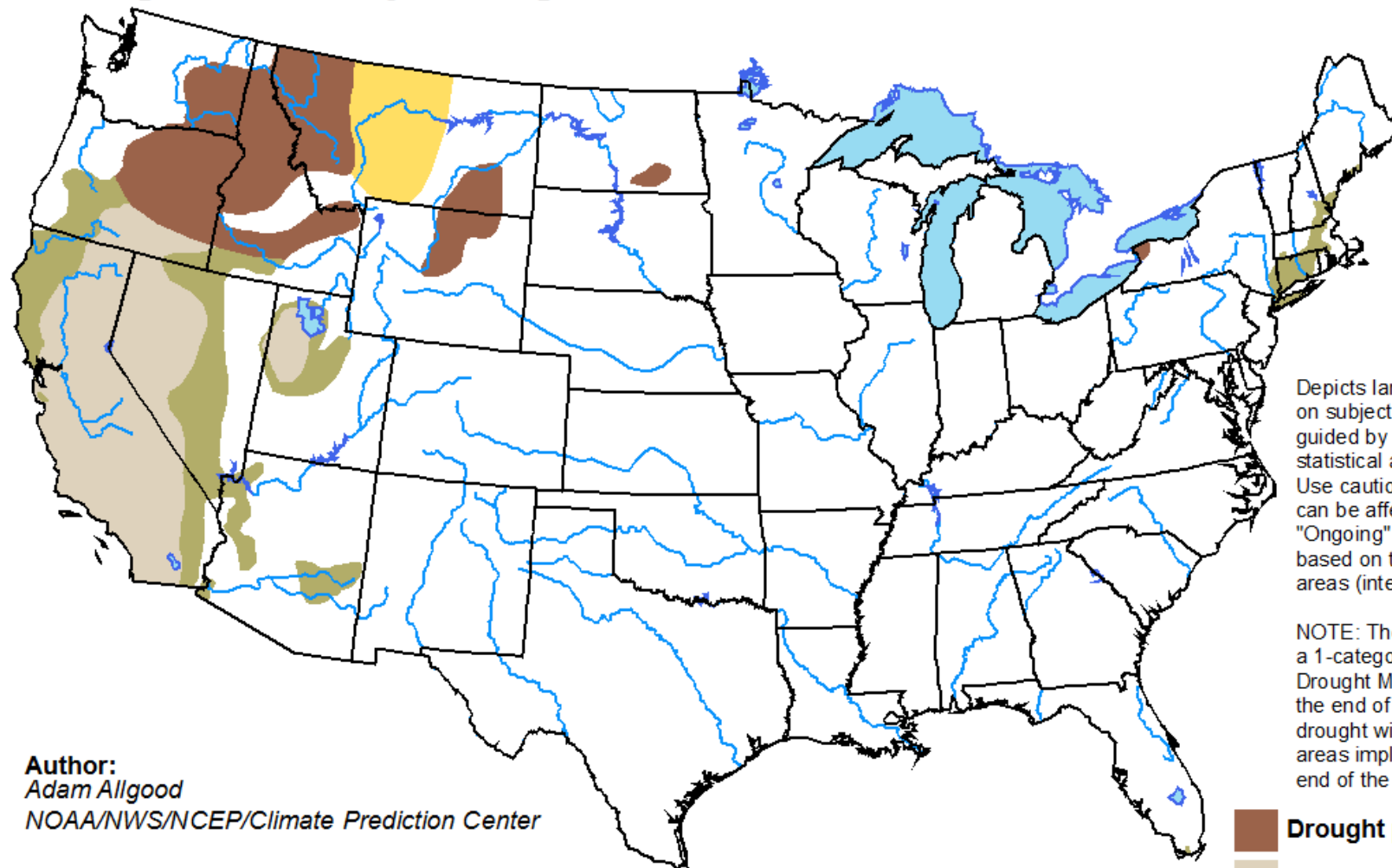


<http://droughtmonitor.unl.edu/>

U.S. Seasonal Drought Outlook

Drought Tendency During the Valid Period





Valid for January 21 - April 30, 2016
Released January 21, 2016

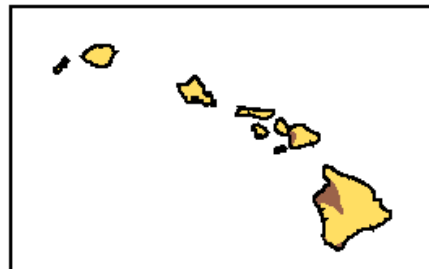
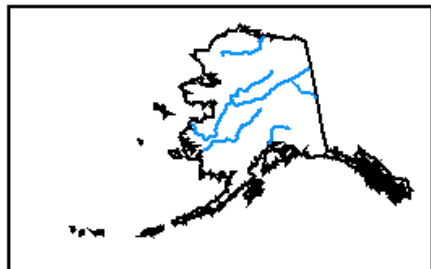


Author:
Adam Allgood
NOAA/NWS/NCEP/Climate Prediction Center

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

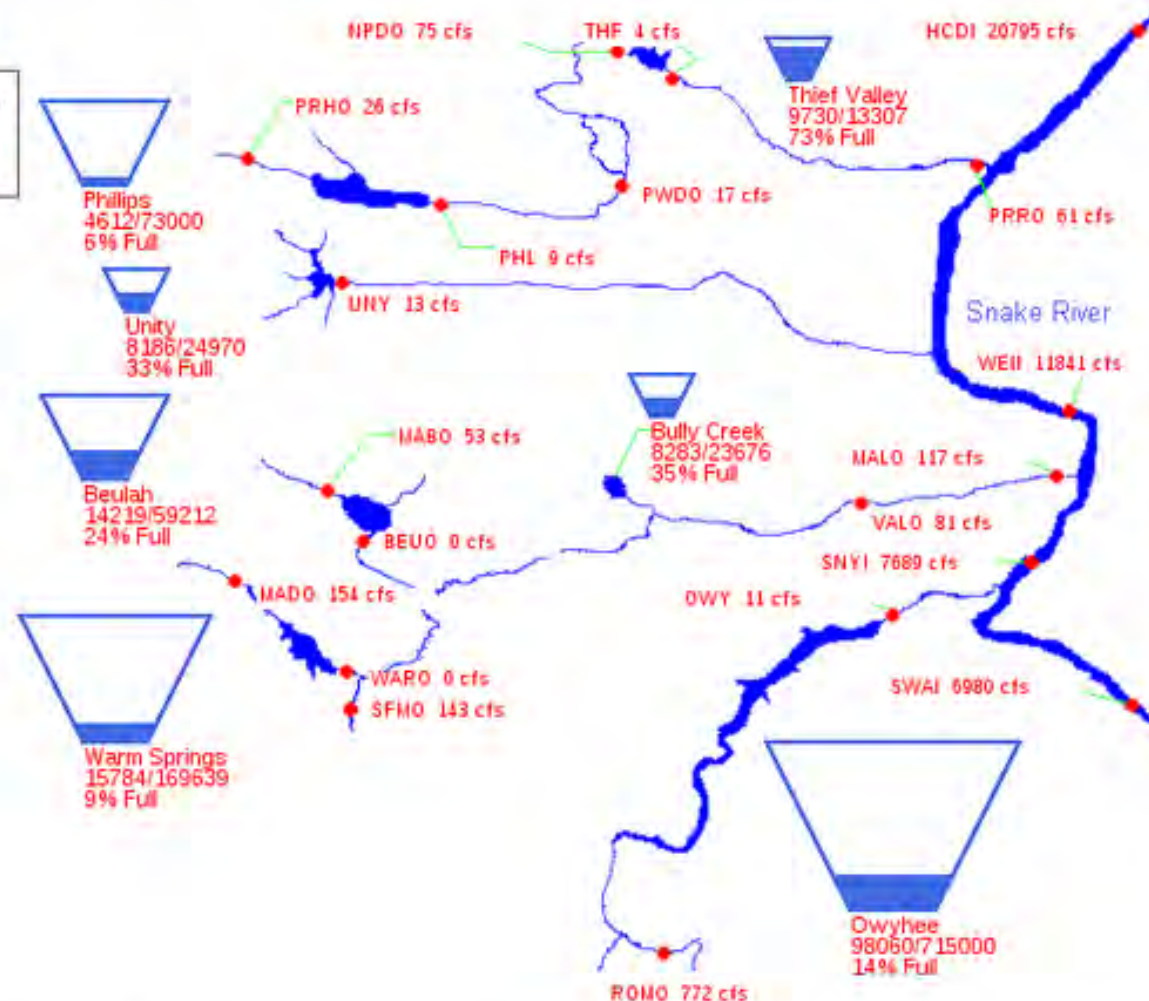


<http://go.usa.gov/3eZ73>

US Bureau of Reclamation, Pacific Northwest Region

Major Storage Reservoirs in Southeastern Oregon

01/31/2016

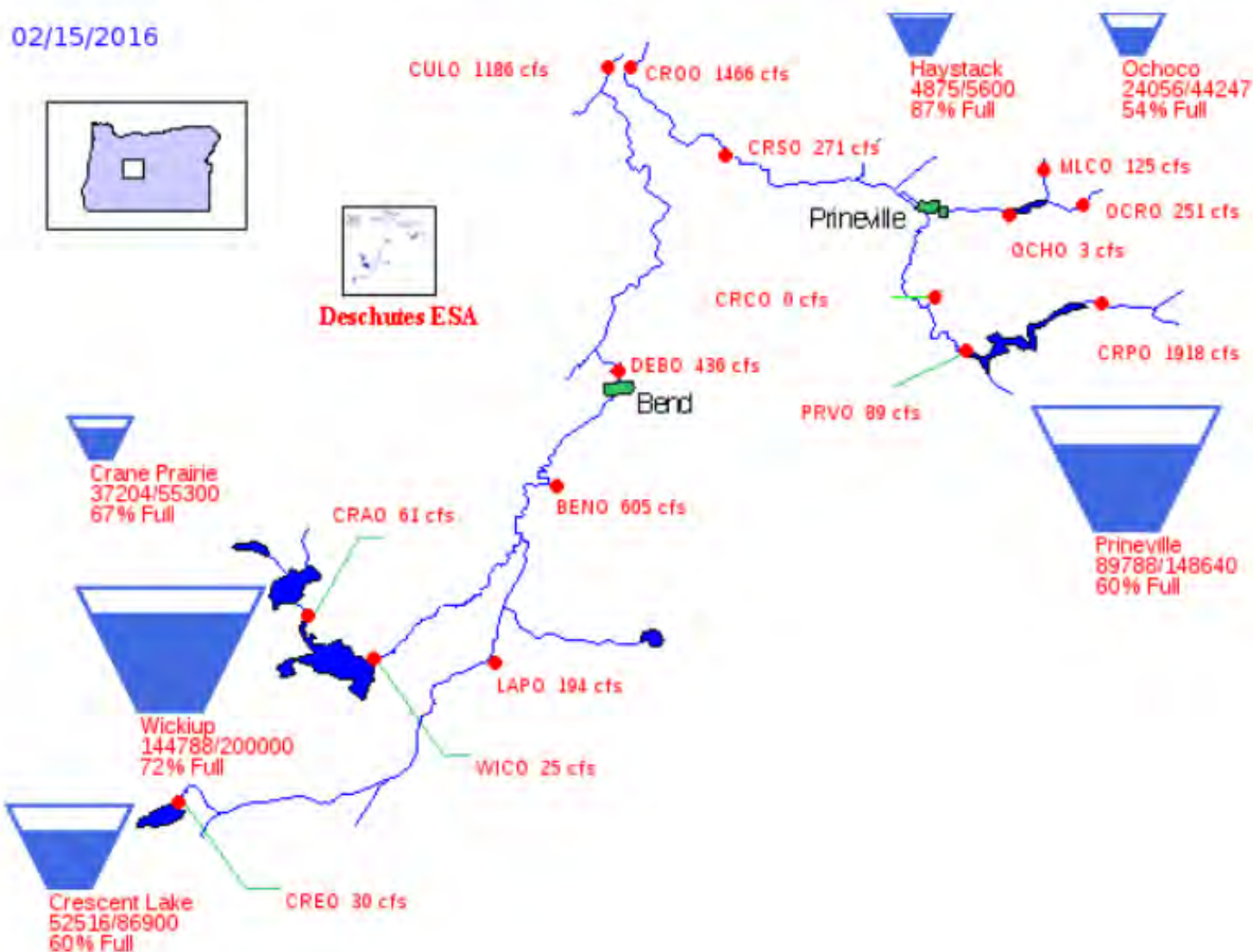


NOTE: This graphic does not depict 400,000 acre-feet of water that is maintained in Owyhee reservoir.







US Bureau of Reclamation, Pacific Northwest Region

Major Storage Reservoirs in the Deschutes River Basin

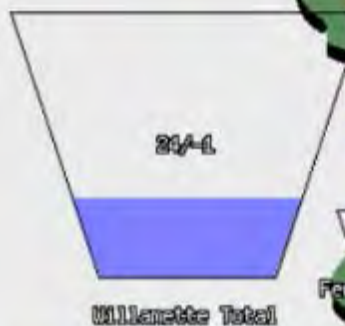
02/15/2016



LEGEND

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

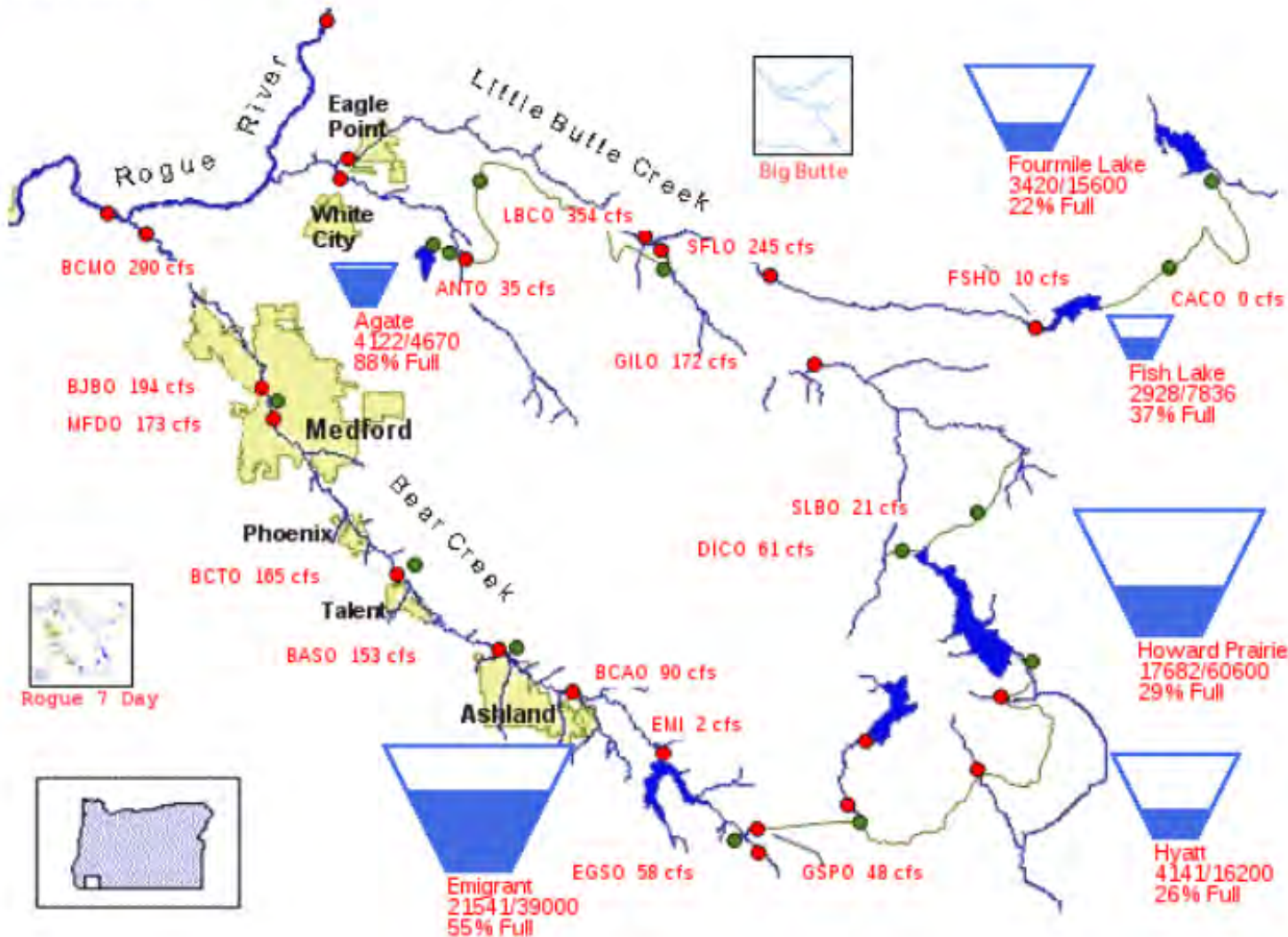
Overview



US Bureau of Reclamation, Pacific Northwest Region

Bear Creek and Little Butte Creek Basins

02/15/2016



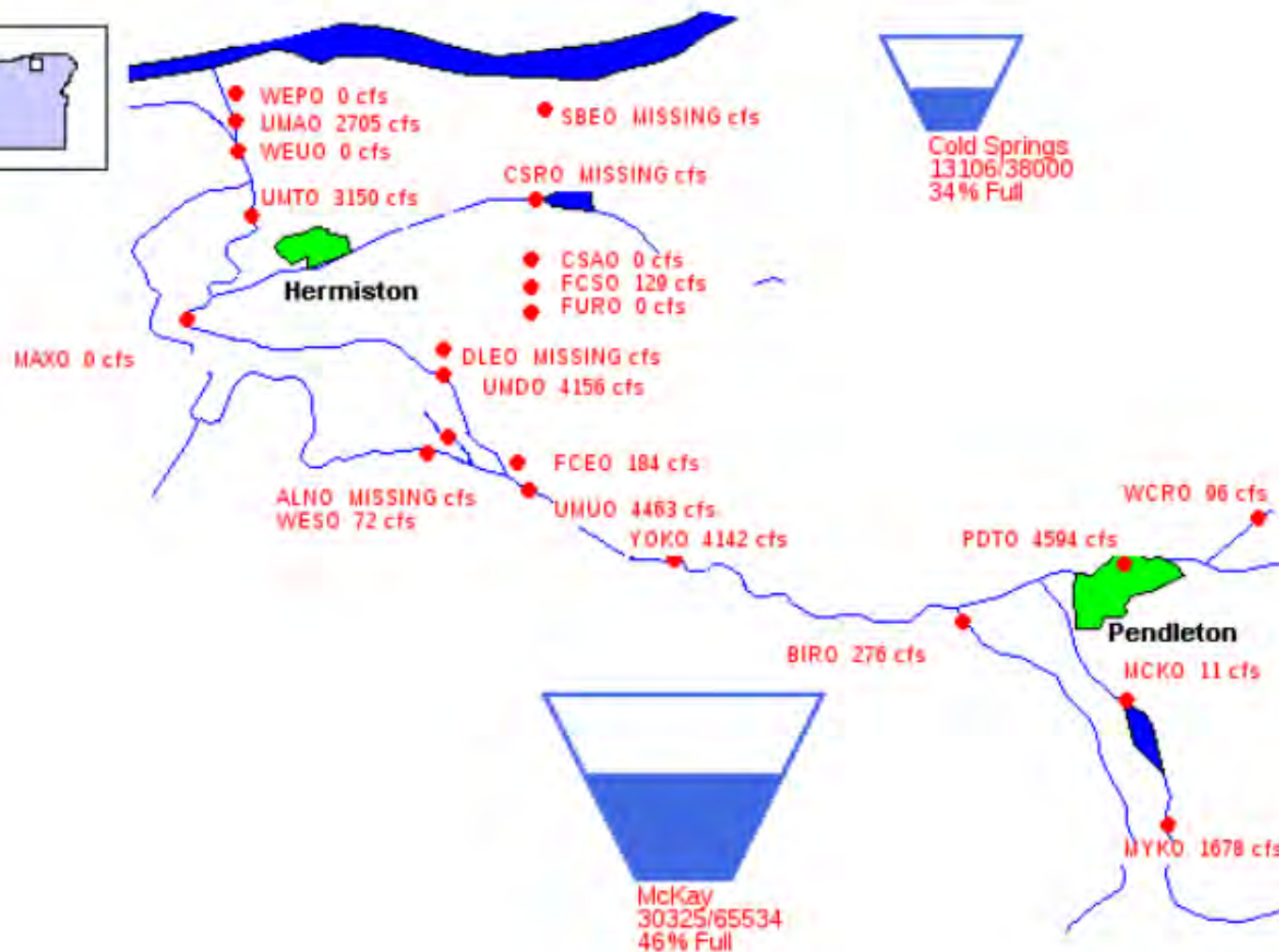
Rogue Basin Teacup Diagram



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Umatilla River Basin Storage and Flow Diagram

02/15/2016



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Major Storage Reservoirs in Southeastern Oregon

02/15/2016

