



Drought Report for the Week of February 1, 2016



Due to recent weather events, statewide streamflow conditions have improved considerably. For the month of January, statewide streamflow conditions were 98 percent of average. 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 1st of February are 124 percent of average. February 1 streamflow conditions for Western Oregon are 153 percent of average and flows for streams east of the Cascades are 106 percent of average. It should be noted that due to the improving conditions, only 4.3 percent of Oregon is under “Extreme Drought” and 41 percent is listed as “Severe Drought” according to the U.S. Drought Monitor. Reservoirs, most notably in Eastern Oregon, still remain at very low levels.

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. This will depend on how El Nino plays out through February, March and April. For more information, refer to [What to Expect from this Year's El Niño](#), featured in this month's CIRCulater publication from the Pacific Northwest Climate Impacts Research Consortium.

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 - Umatilla River Basin
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United States
Department of
Agriculture



Natural Resources
Conservation
Service

Oregon Basin Outlook Report

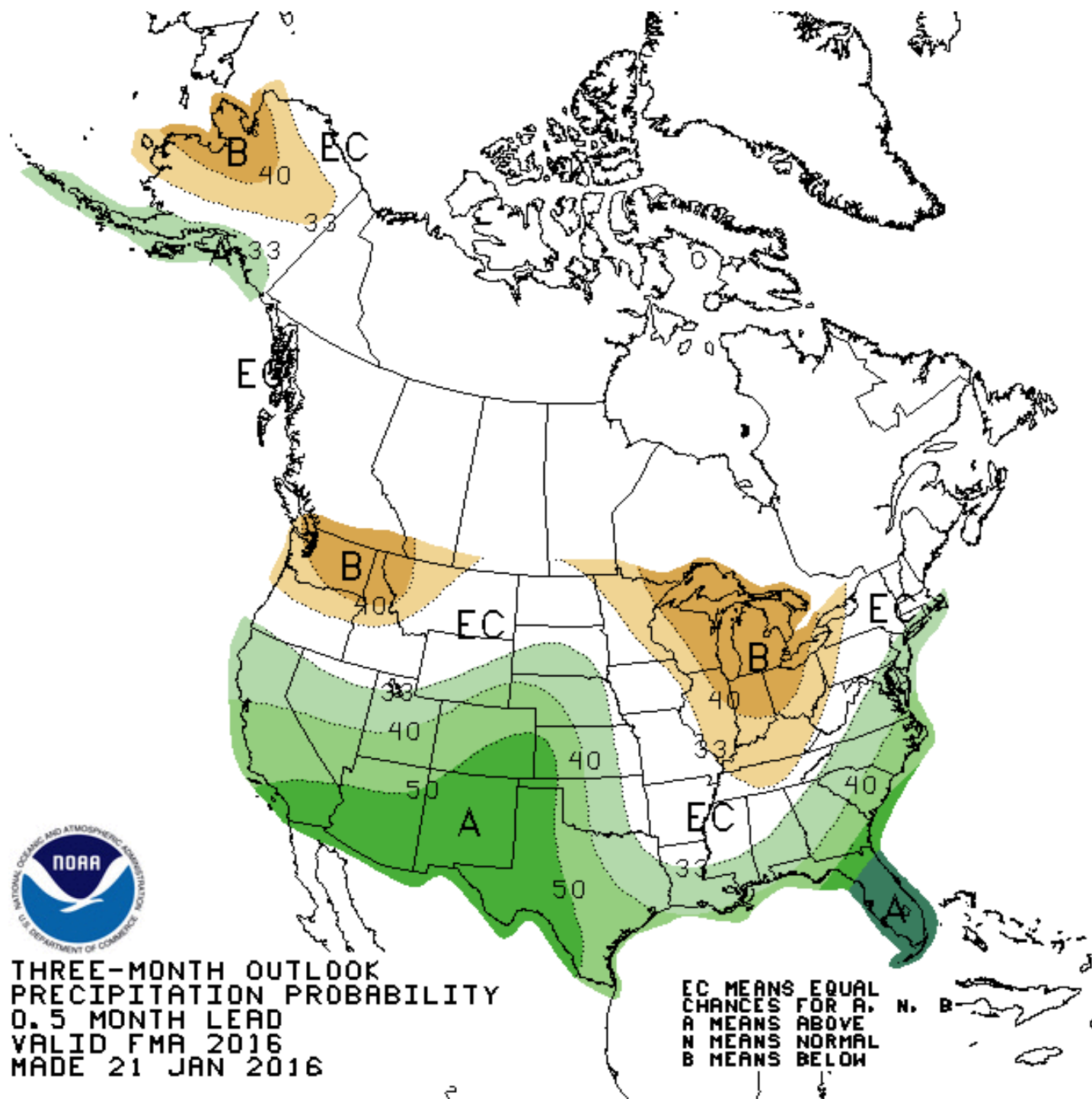
January 1, 2016

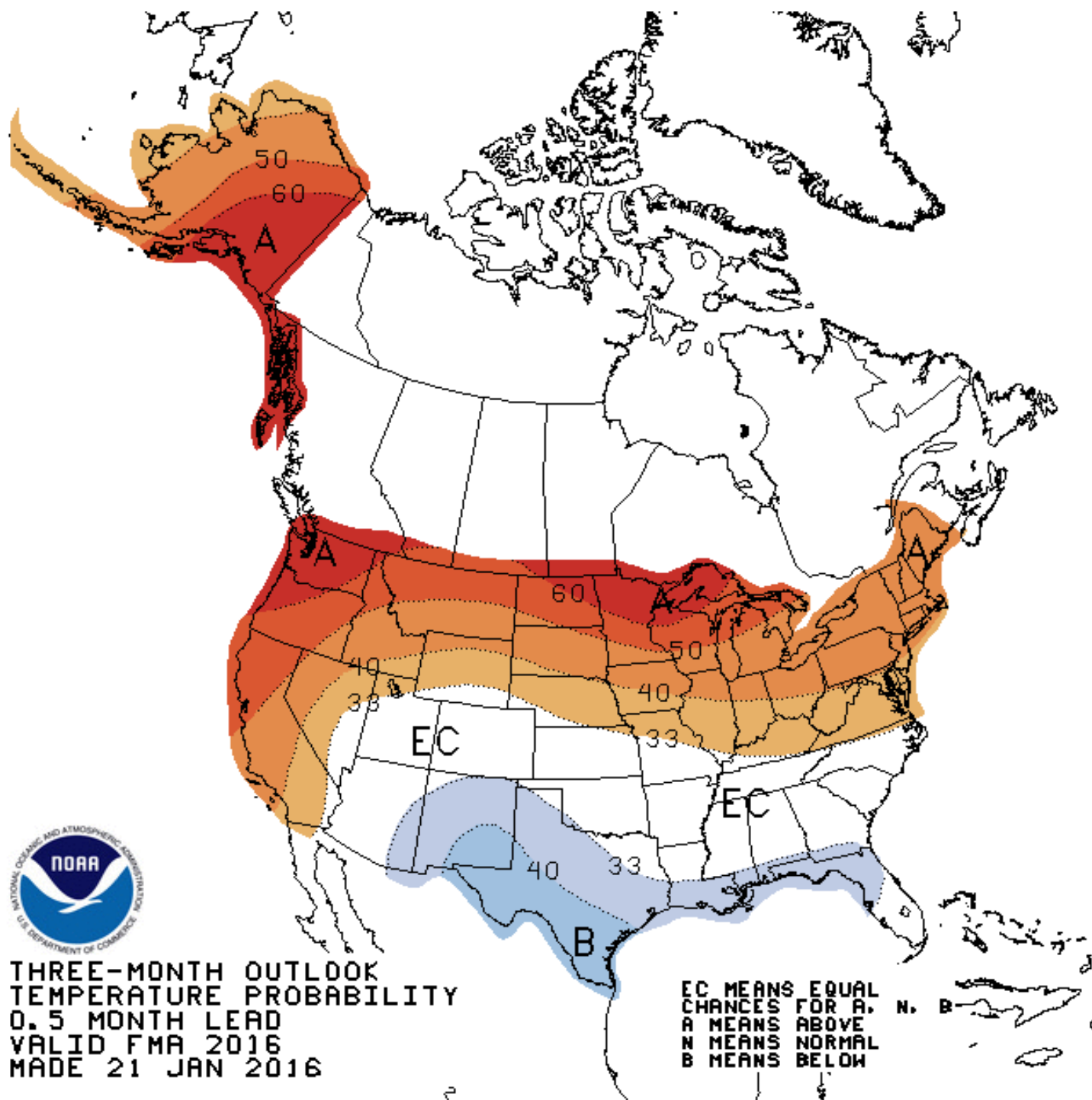


Fresh tracks at Camas Creek #3 snow course

Photo courtesy of Alan Grubb (Snow Surveyor, Lakeview USFS)

Snow surveyors around Oregon enjoyed fresh tracks in deep powder as they took January 1st measurements. Powerful December storms brought abundant snowfall to even low and mid-elevation sites, causing most snow measurement sites across the state to report above normal snowpack as of January 1st, 2016. The photo above was taken on December 30th by surveyors skiing into Camas Creek #3 snow course near Lakeview, Oregon. They measured 35 inches of snow depth and 8.9 inches of snow water content, which is more than double the typical January 1st snowpack. A welcome start to the new year!

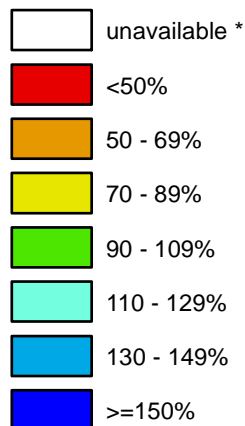




Oregon SNOTEL Water Year (Oct 1) to Date Precipitation % of Normal

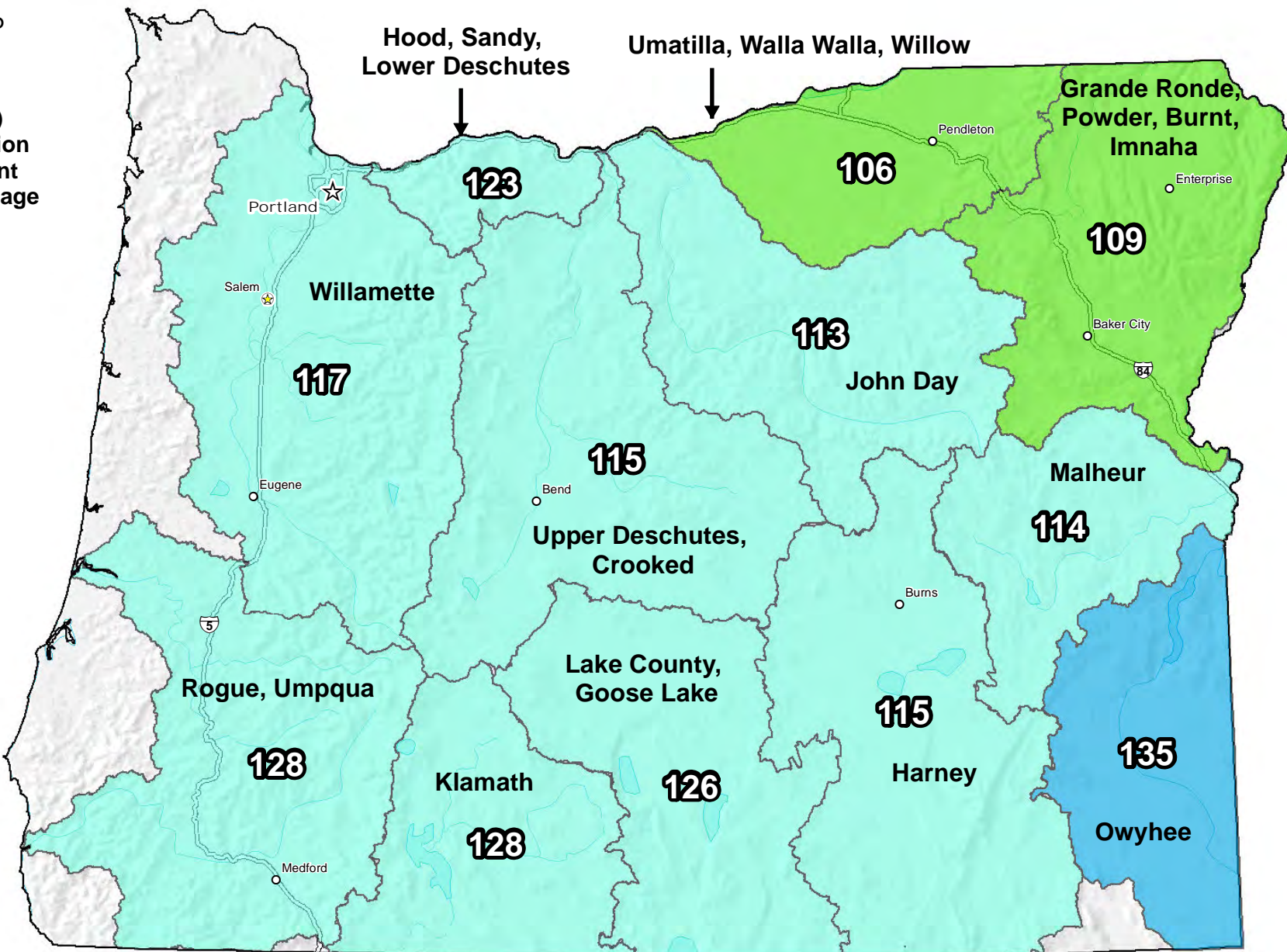
Feb 01, 2016

**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).

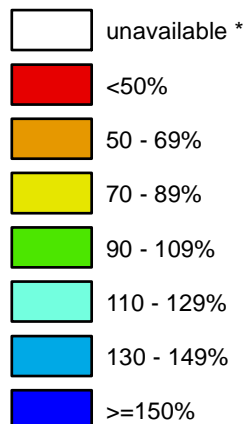
0 10 20 40 60 80 100 Miles

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

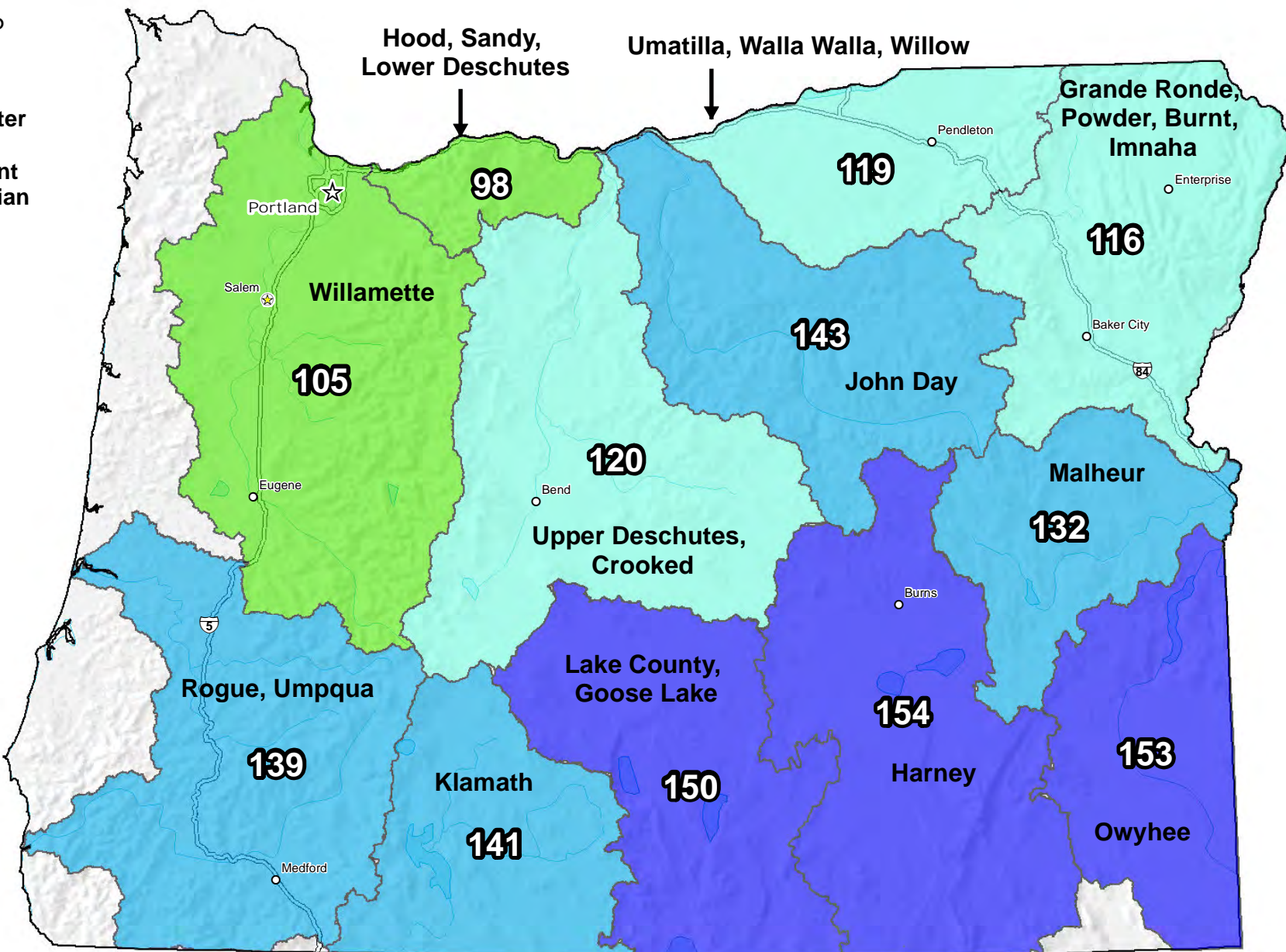
Feb 01, 2016

**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

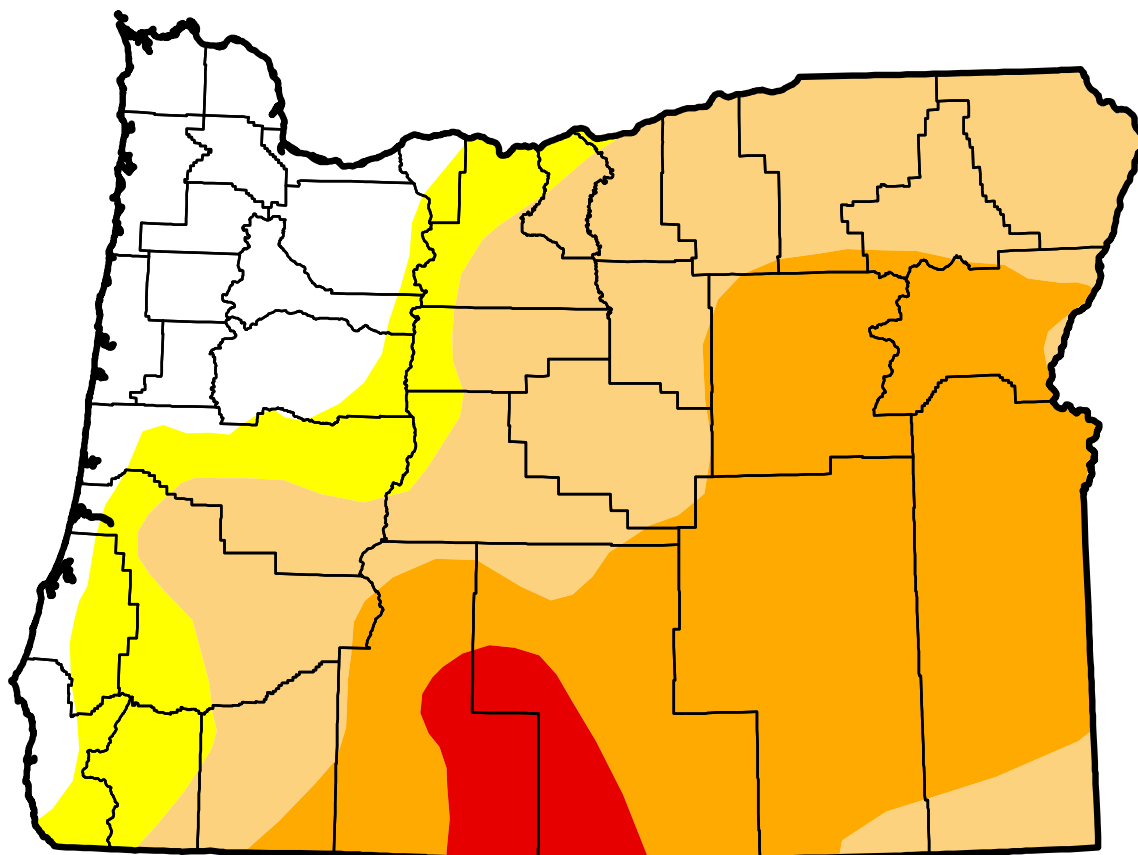
January 26, 2016

(Released Thursday, Jan. 28, 2016)

Valid 7 a.m. EST

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	14.63	85.37	74.69	40.94	4.32	0.00
Last Week <i>1/19/2016</i>	14.60	85.40	73.81	40.94	4.47	0.00
3 Months Ago <i>10/27/2015</i>	0.00	100.00	100.00	100.00	67.29	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>1/27/2015</i>	10.45	89.55	83.95	49.48	34.68	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:

Mark Svoboda

National Drought Mitigation Center

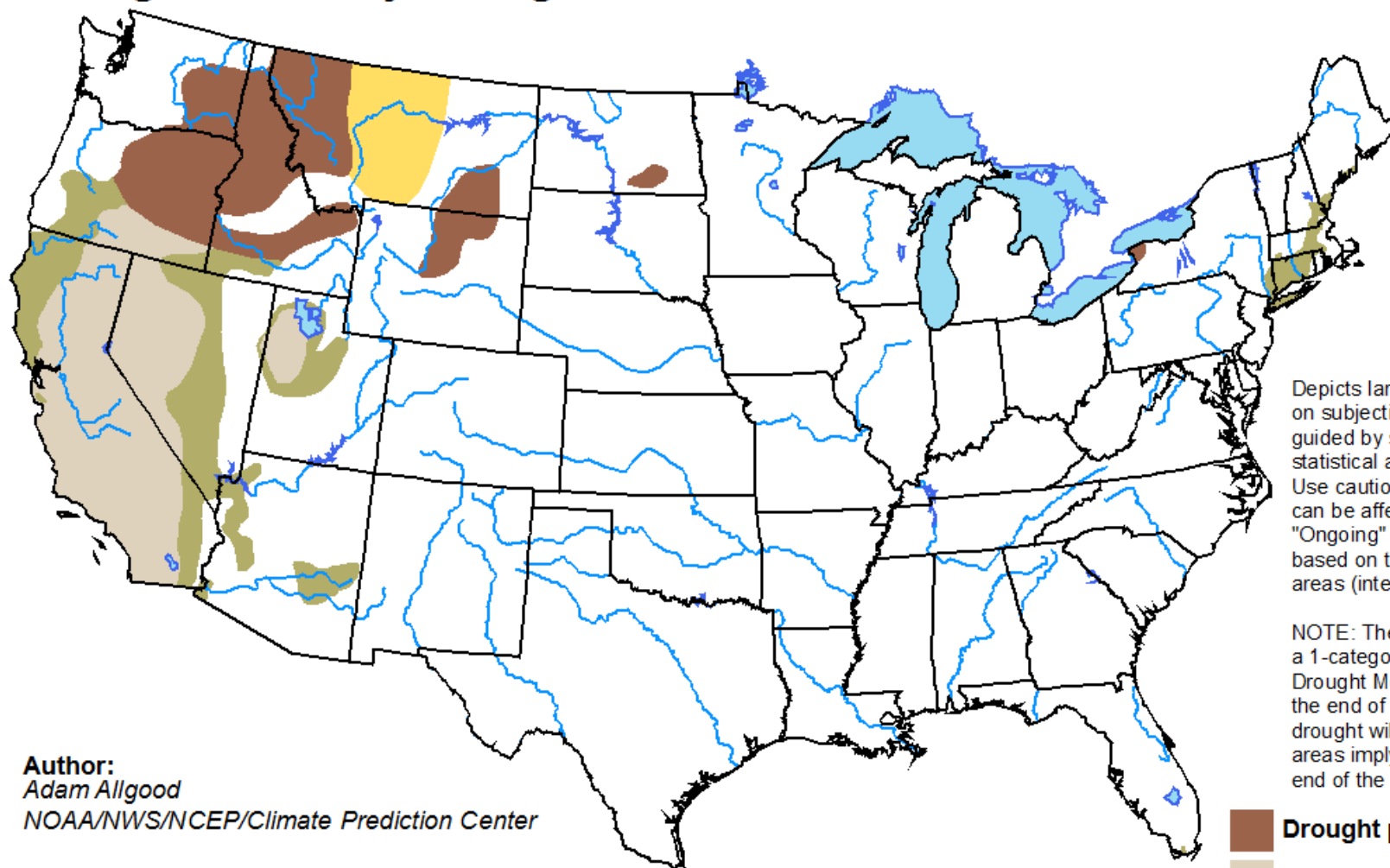


<http://droughtmonitor.unl.edu/>

U.S. Seasonal Drought Outlook

Drought Tendency During the Valid Period





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

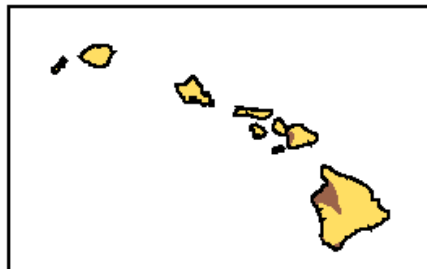
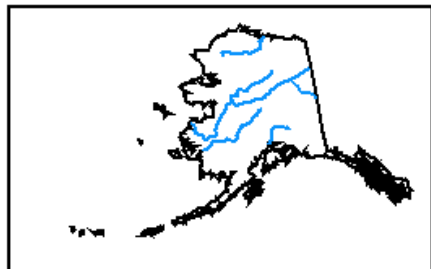


Depicts large-scale trends based on subjectively derived probabilities guided by short- and long-range statistical and dynamical forecasts. Use caution for applications that can be affected by short lived events. "Ongoing" drought areas are based on the U.S. Drought Monitor areas (intensities of D1 to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

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

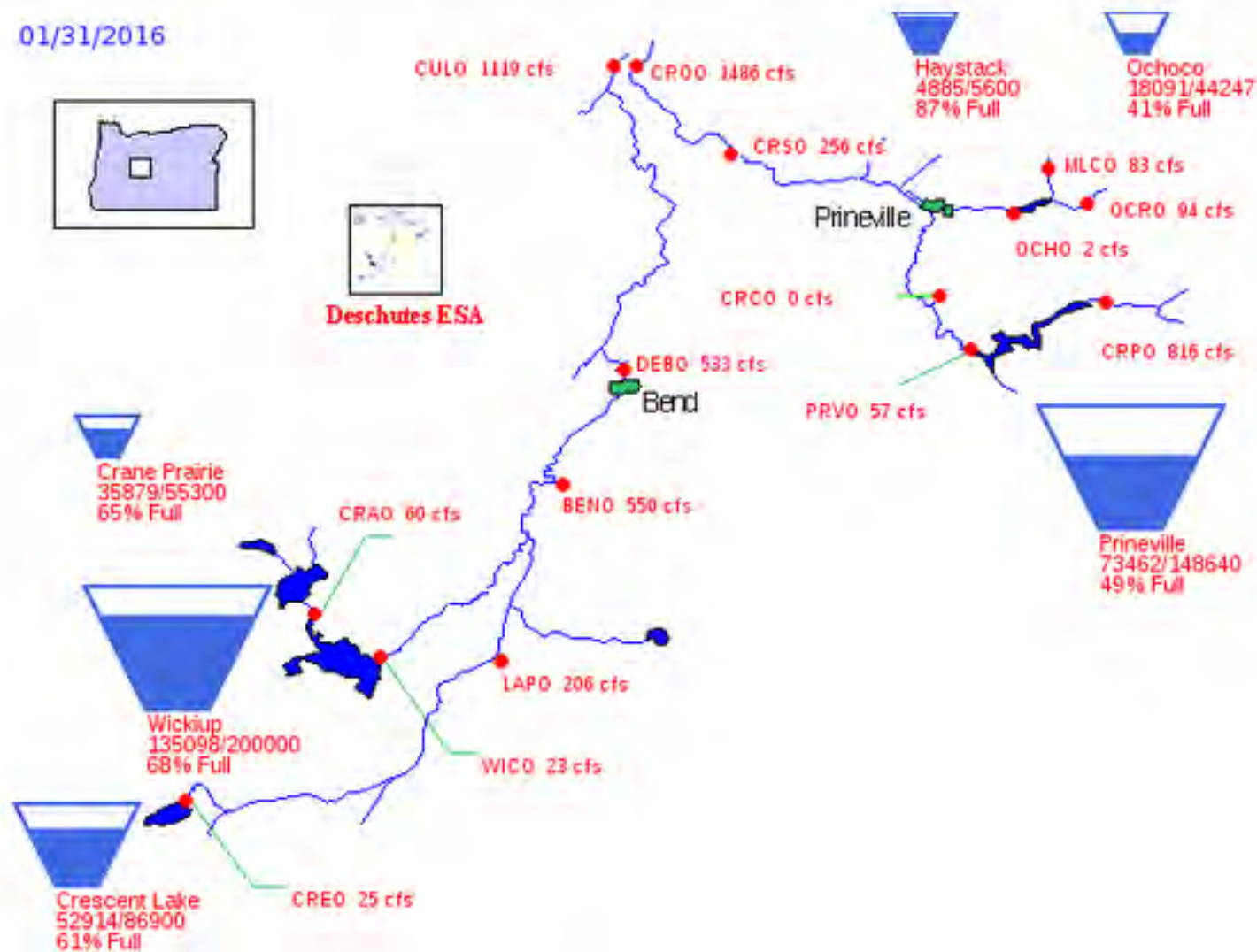
-  Drought persists
-  Drought remains but improves
-  Drought removal likely
-  Drought development likely



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







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

01/31/2016

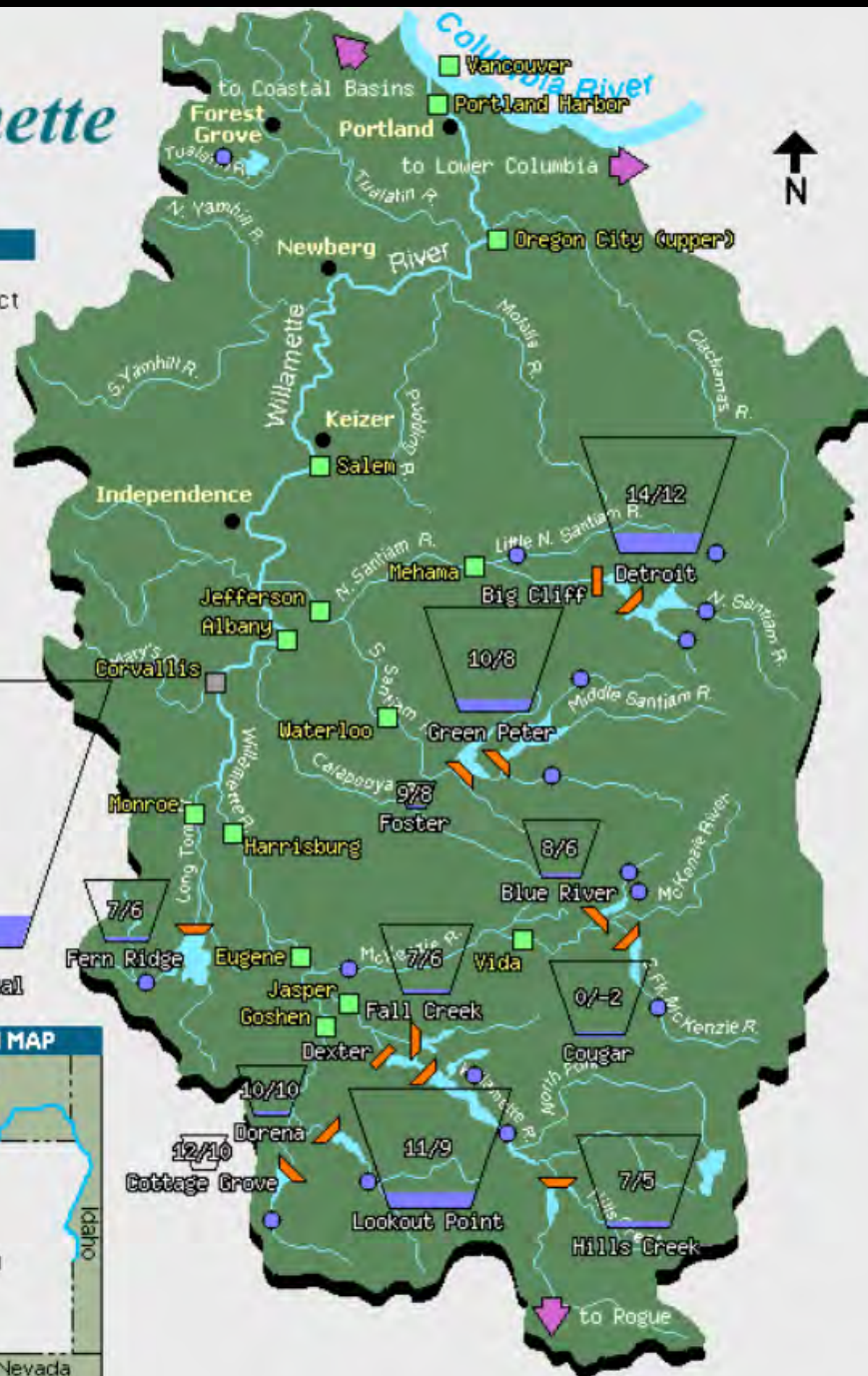
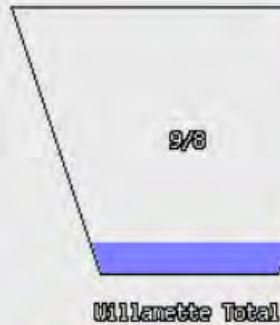


The Willamette Basin

LEGEND

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

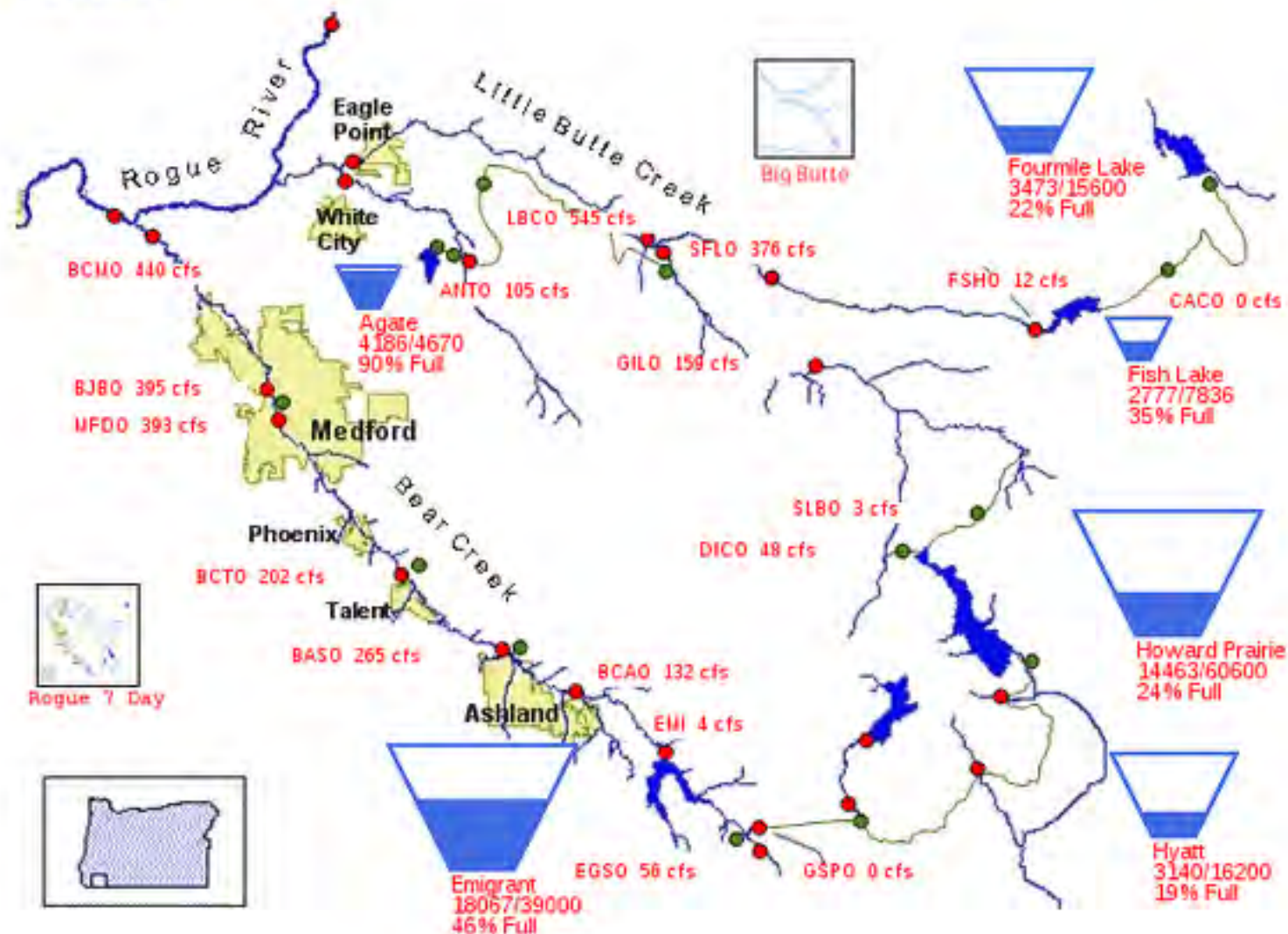
Overview



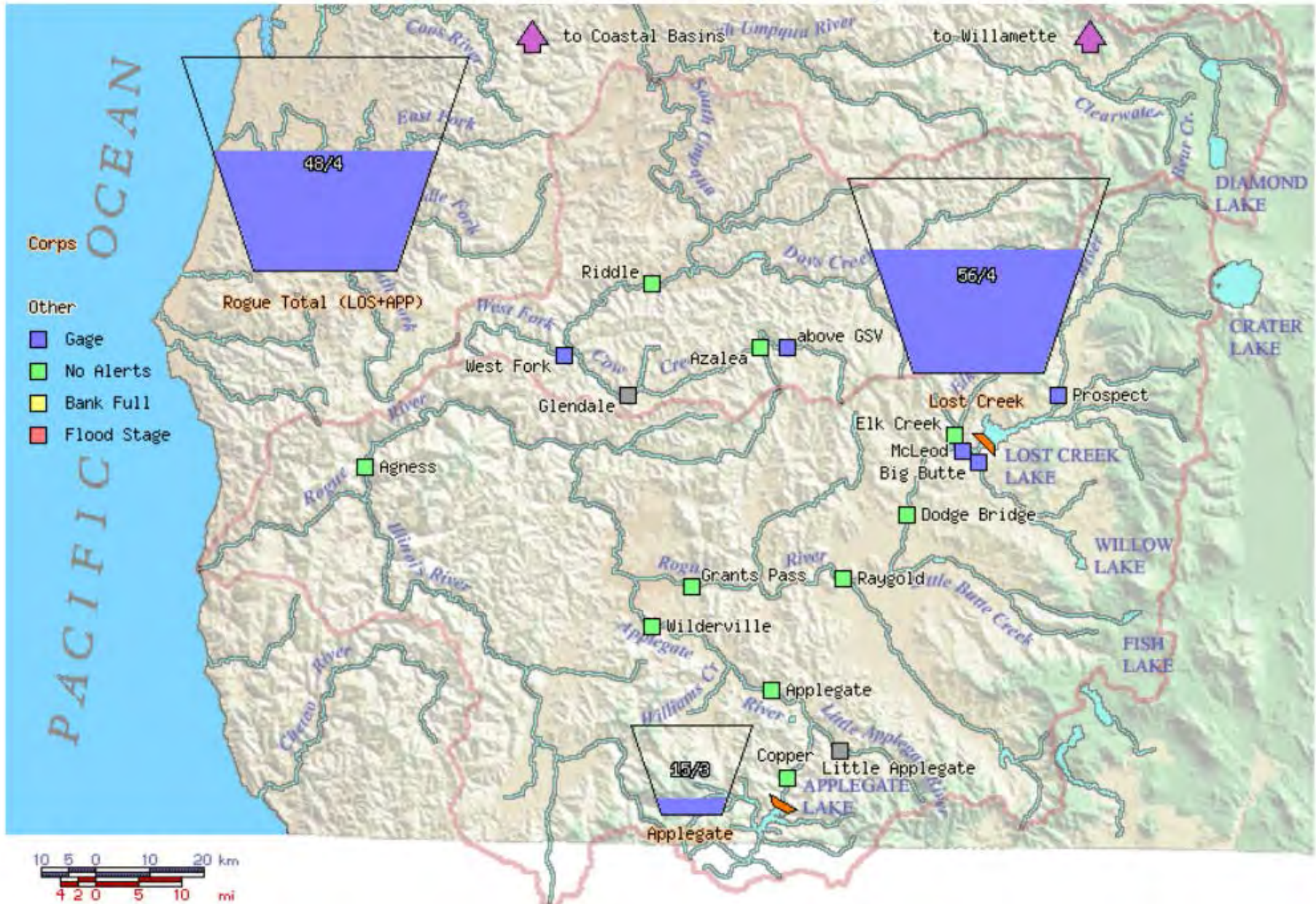
US Bureau of Reclamation, Pacific Northwest Region

Bear Creek and Little Butte Creek Basins

01/31/2016



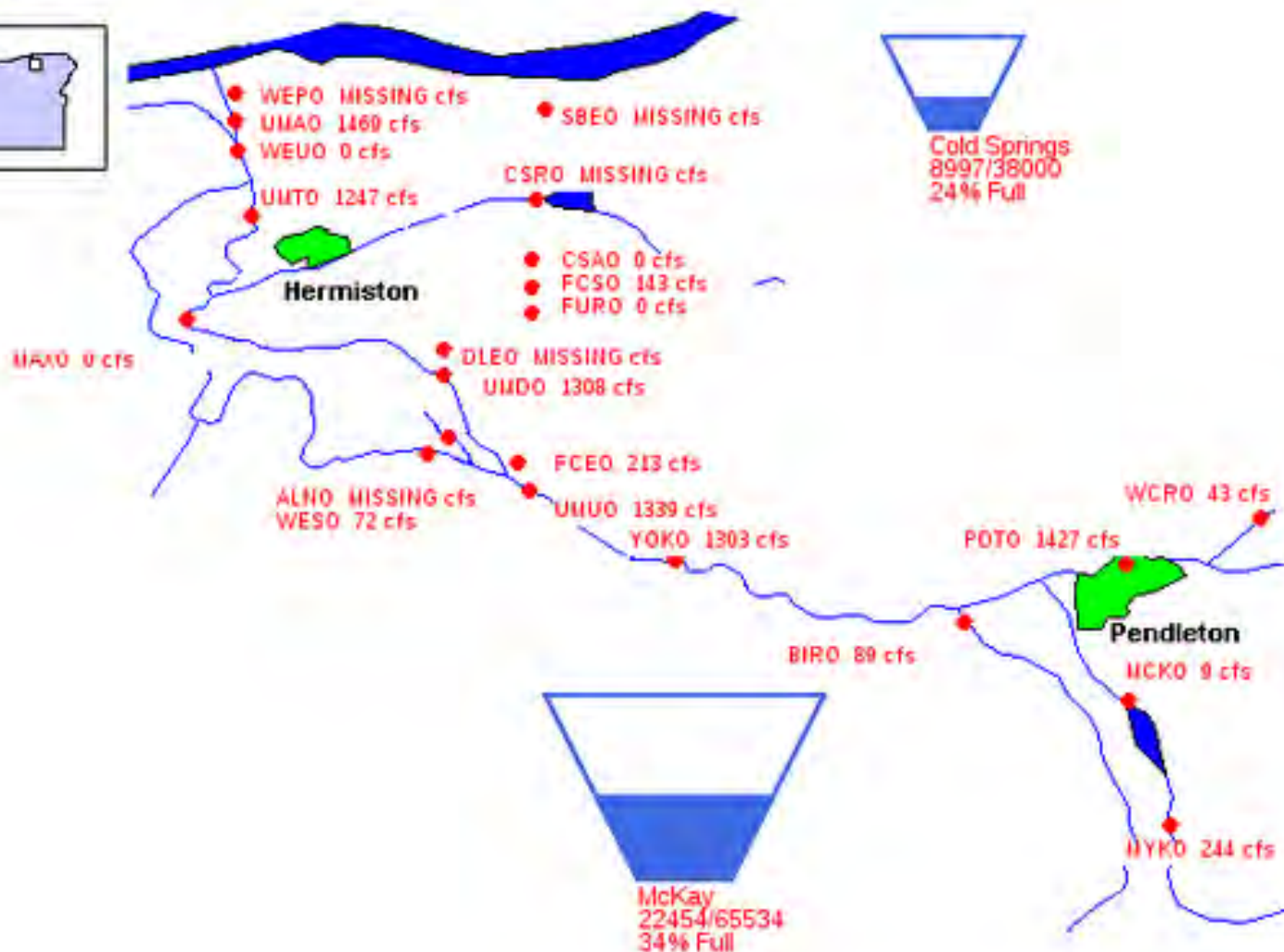
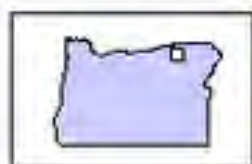
Rogue Basin Teacup Diagram



Bureau of Reclamation, Pacific Northwest Region

Umatilla River Basin Storage and Flow Diagram

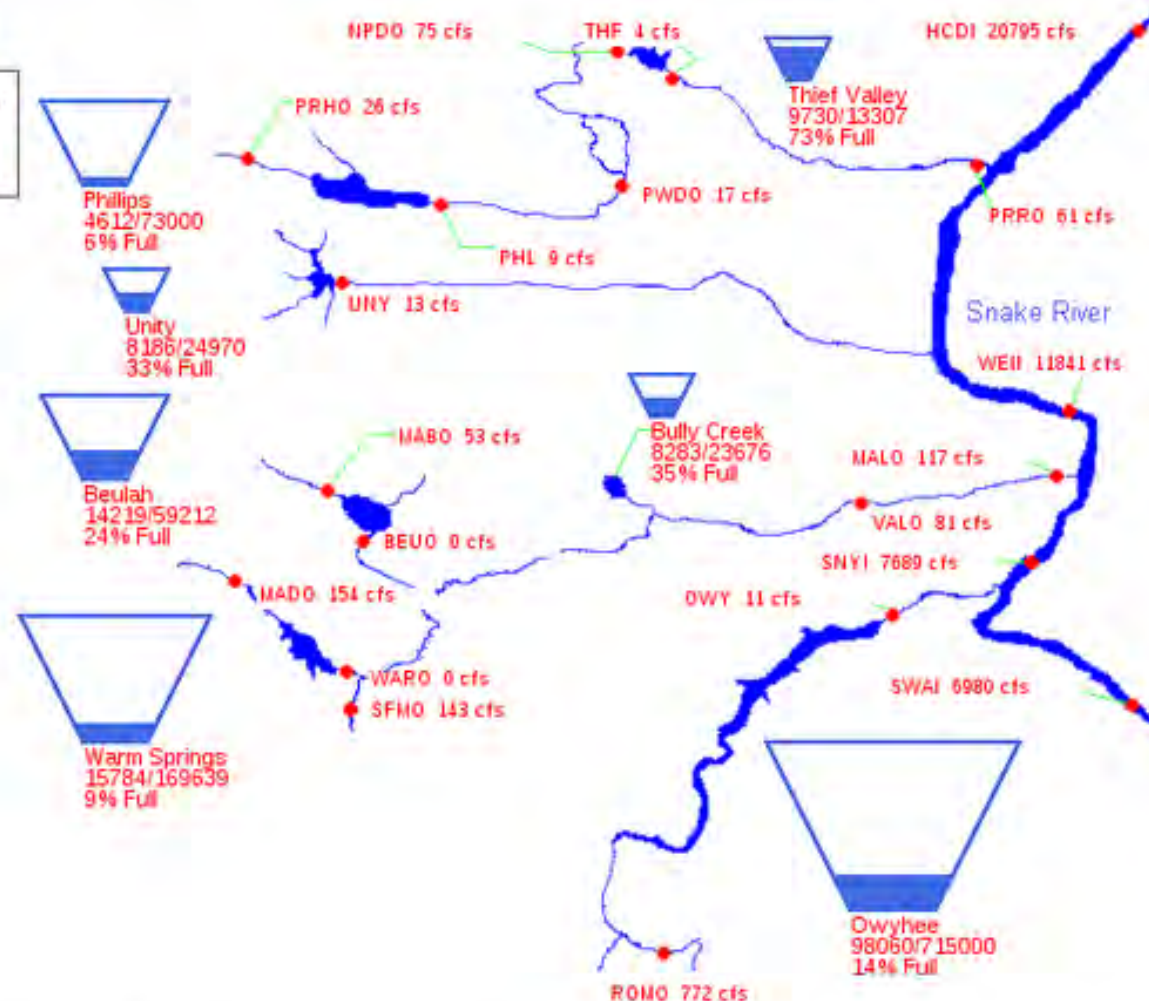
01/31/2016



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.