

USDA Oregon Technical Advisory Committee

October 18, 2018

Upper Deschutes - Wickiup Res. September 2018, OWRD photo



H. Scott Oviatt
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USDA Natural Resources Conservation Service
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503-414-3271
<http://www.nrcs.usda.gov/wps/portal/nrcs/main/or/snow/>

Southern Malheur County - August 28, 2018, Producer Photo





Southern Malheur County - August 28, 2018, Producer Photo

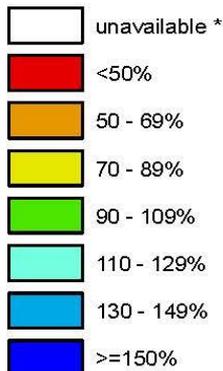
Statewide SNOTEL Precipitation is 85% of normal

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

Oct 01, 2018

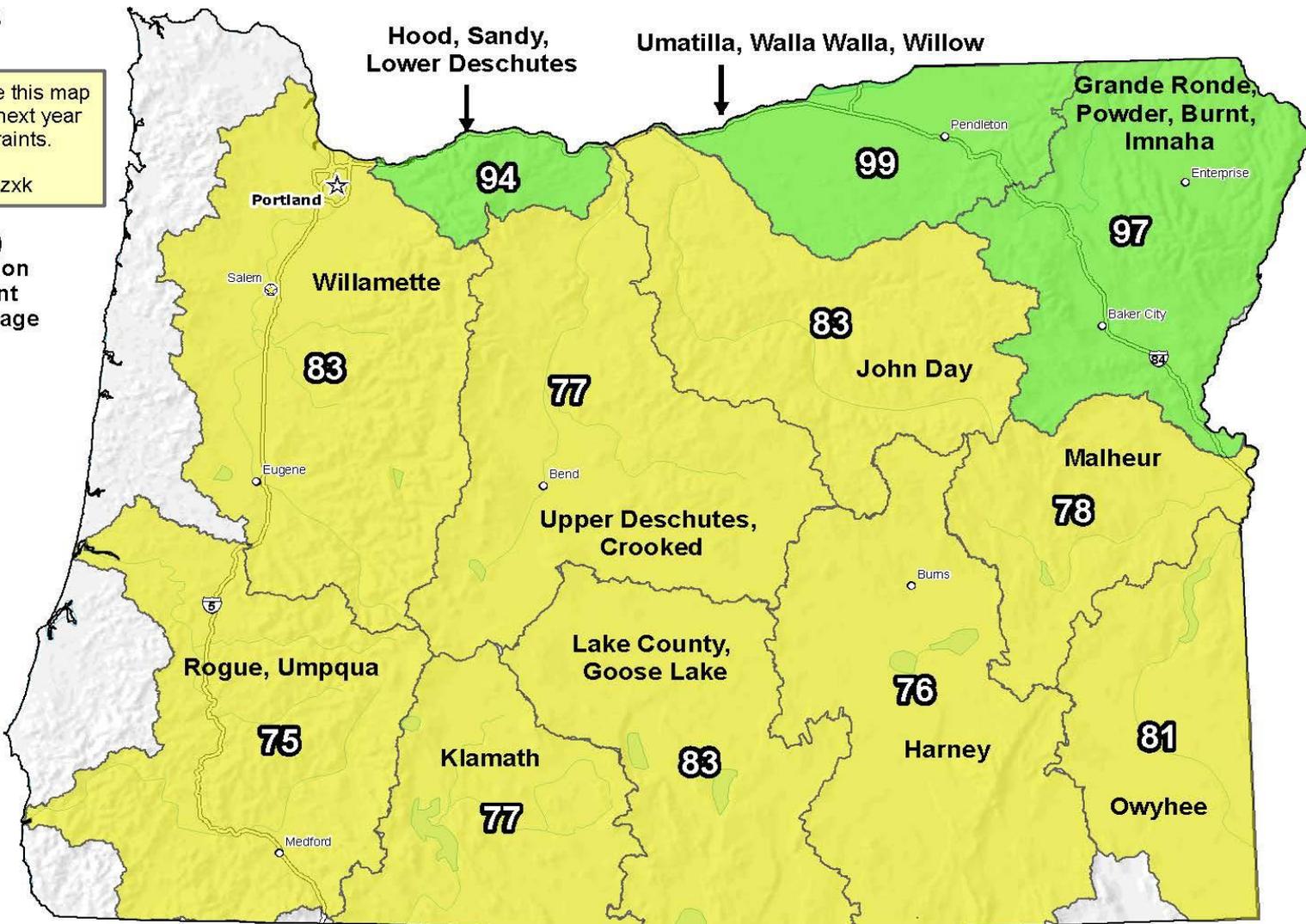
Notice: We anticipate this map will not be available next year due to staffing constraints. Alternate maps: <https://go.usa.gov/xnzxk>

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>

SNOTEL Precipitation Records June 21, 2018 – October 3, 2018

Selected Stations: 1116

Print/Export



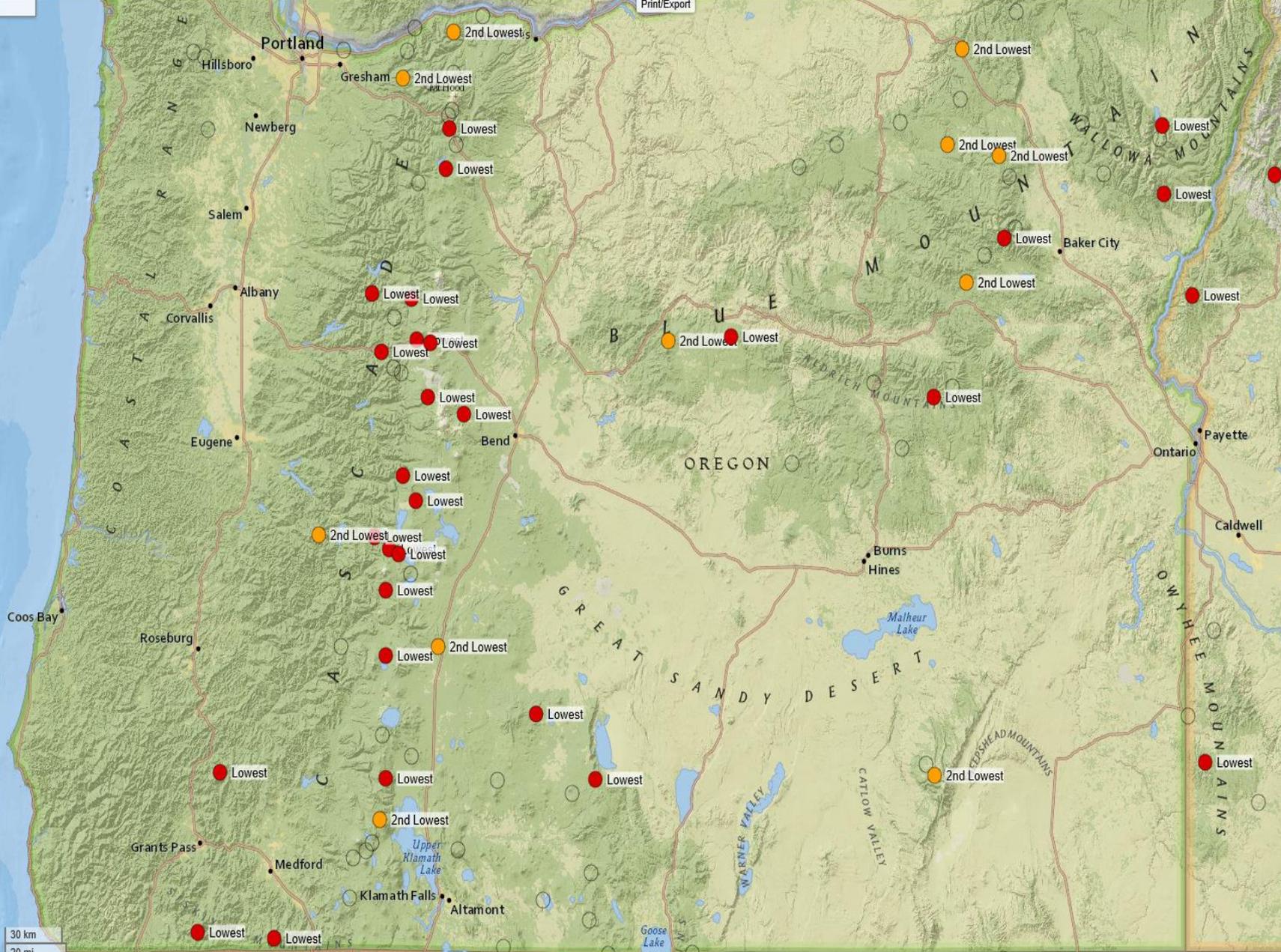
105 day Precipitation Records (POR)
June 21, 2018 through October 3, 2018

- Highest
- 2nd Highest
- 2nd Lowest
- Lowest

Sites with less than 20 years of data or low variability excluded



Created 10-05-2018, 07:23 AM PDT



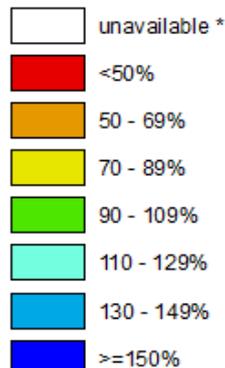
Statewide SNOTEL Precipitation is 117% of normal

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

Oct 18, 2018

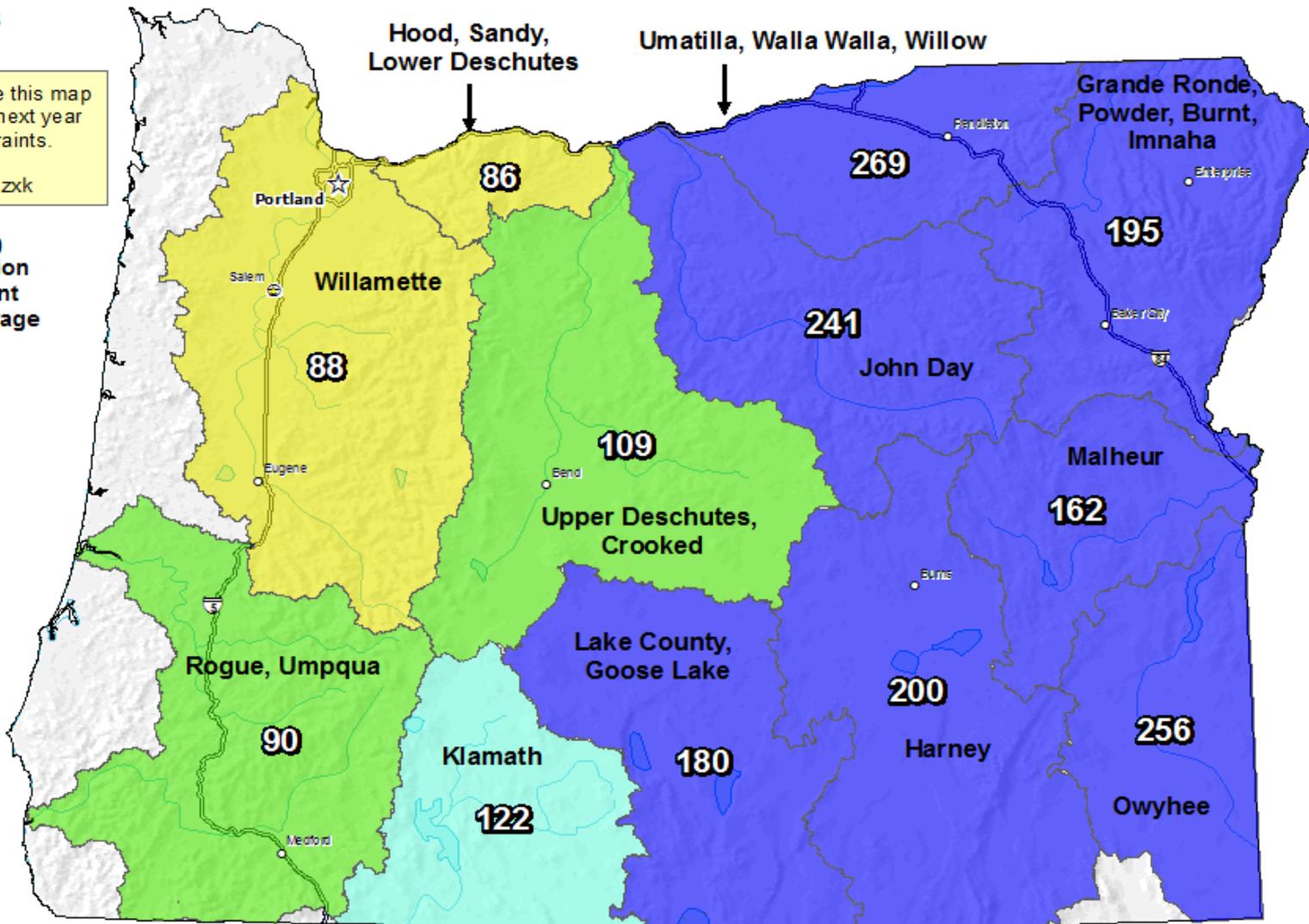
Notice: We anticipate this map will not be available next year due to staffing constraints. Alternate maps: <https://go.usa.gov/xnzk>

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

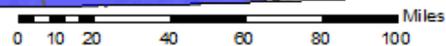


* Data unavailable at time of posting or measurement is not representative at this time of year

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).



Prepared by:
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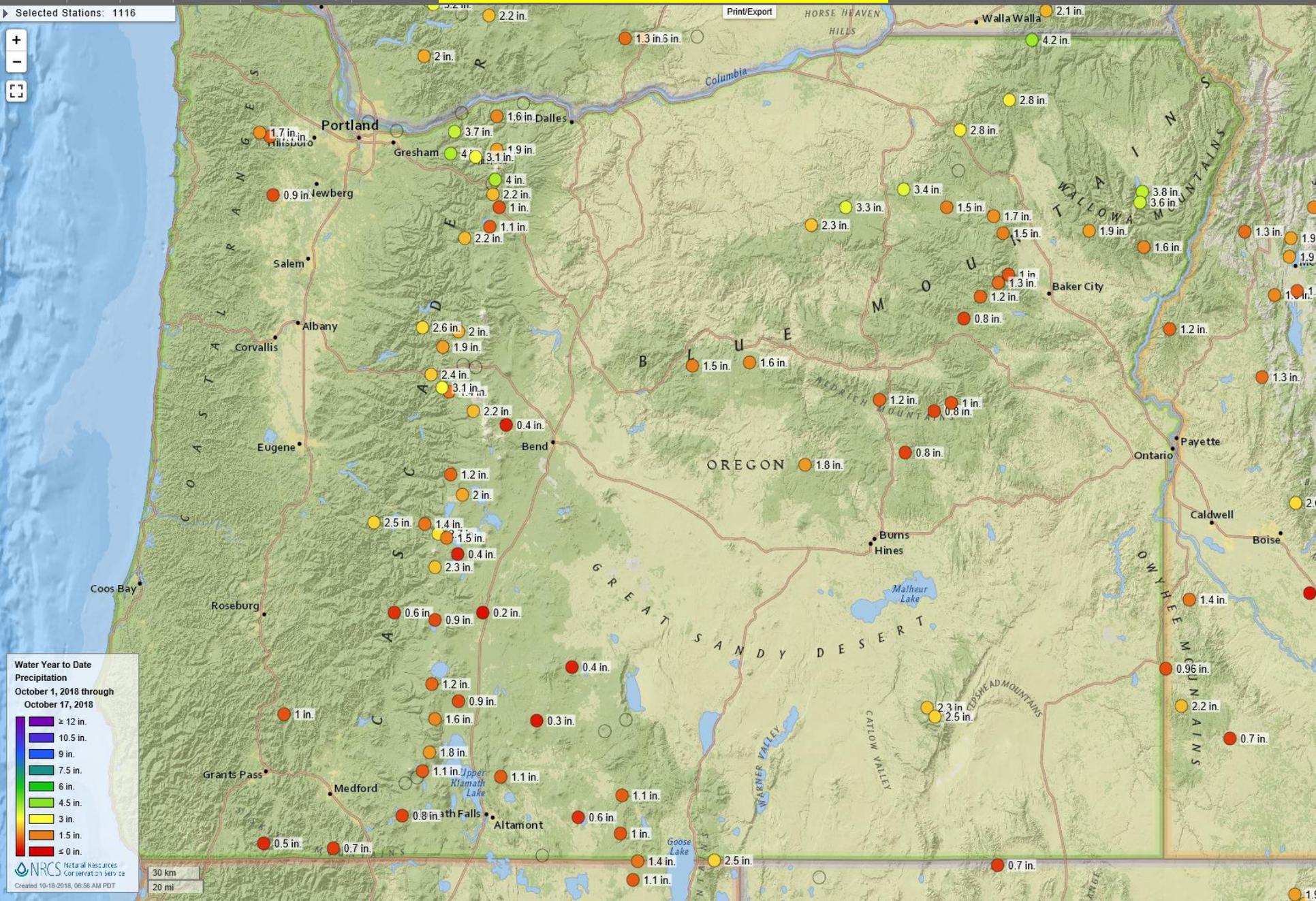
SNOTEL Precipitation Total

October 1, 2018 – October 16, 2018

Selected Stations: 1116



Print/Export



Water Year to Date Precipitation
 October 1, 2018 through October 17, 2018

- ≥ 12 in.
- 10.5 in.
- 9 in.
- 7.5 in.
- 6 in.
- 4.5 in.
- 3 in.
- 1.5 in.
- ≤ 0 in.

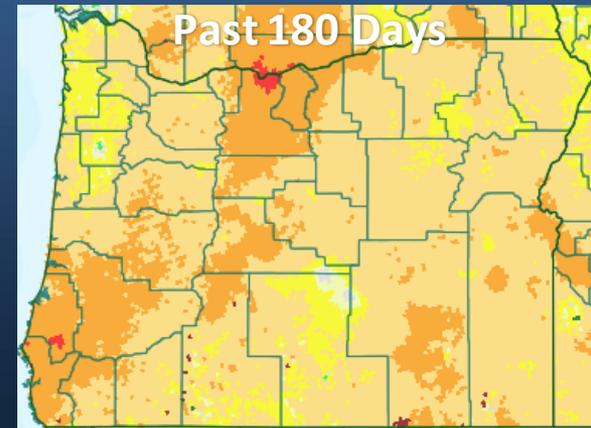
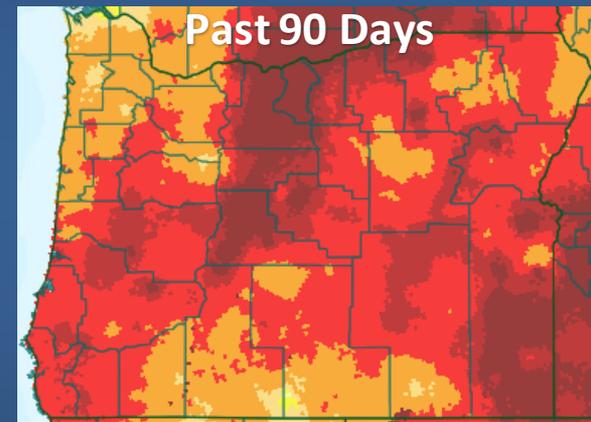
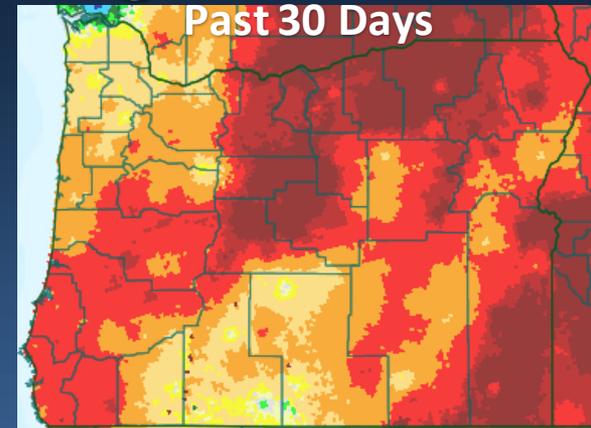
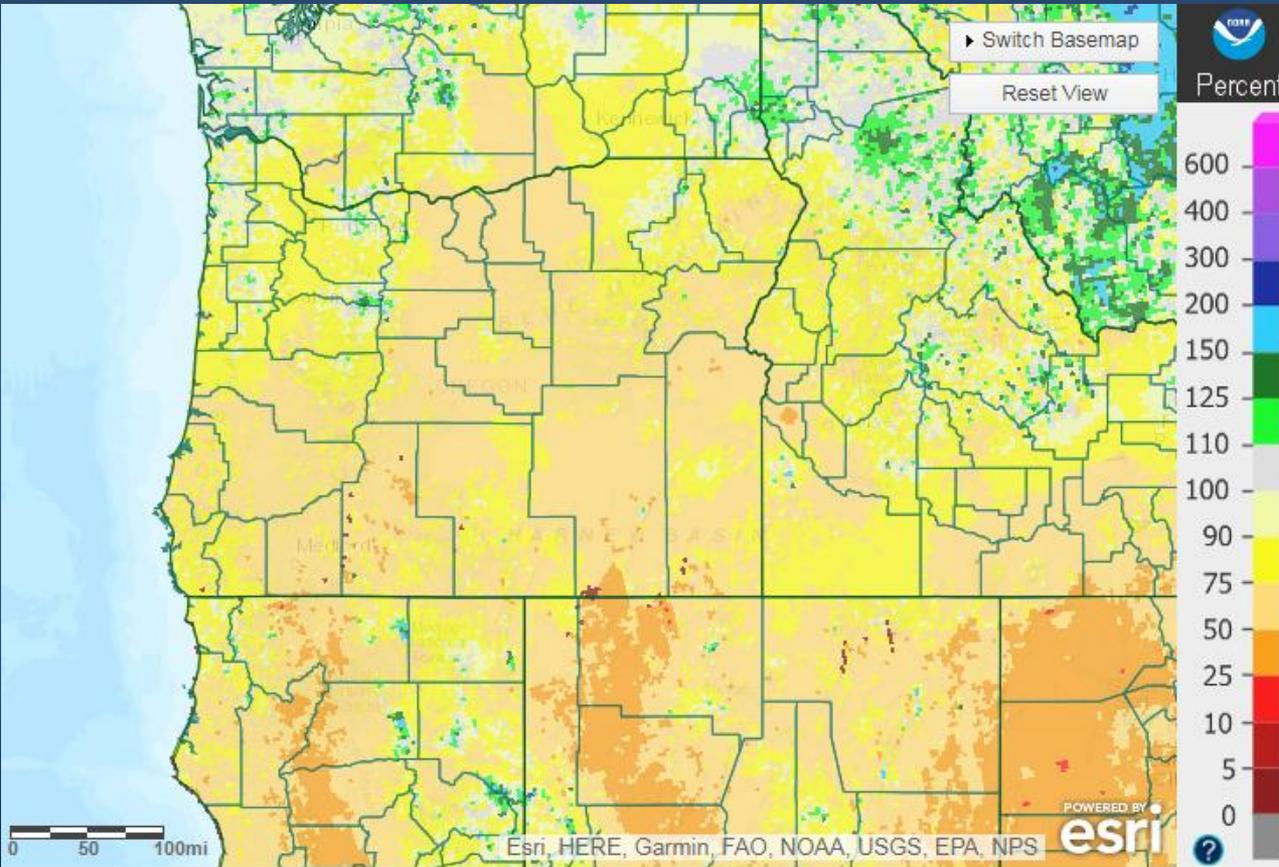
NRCS Natural Resources Conservation Service
 Created 10-18-2018, 09:58 AM PDT

30 km
20 mi



Precipitation % of Average

2018 Water Year



Precipitation Data as of October 4, 2018

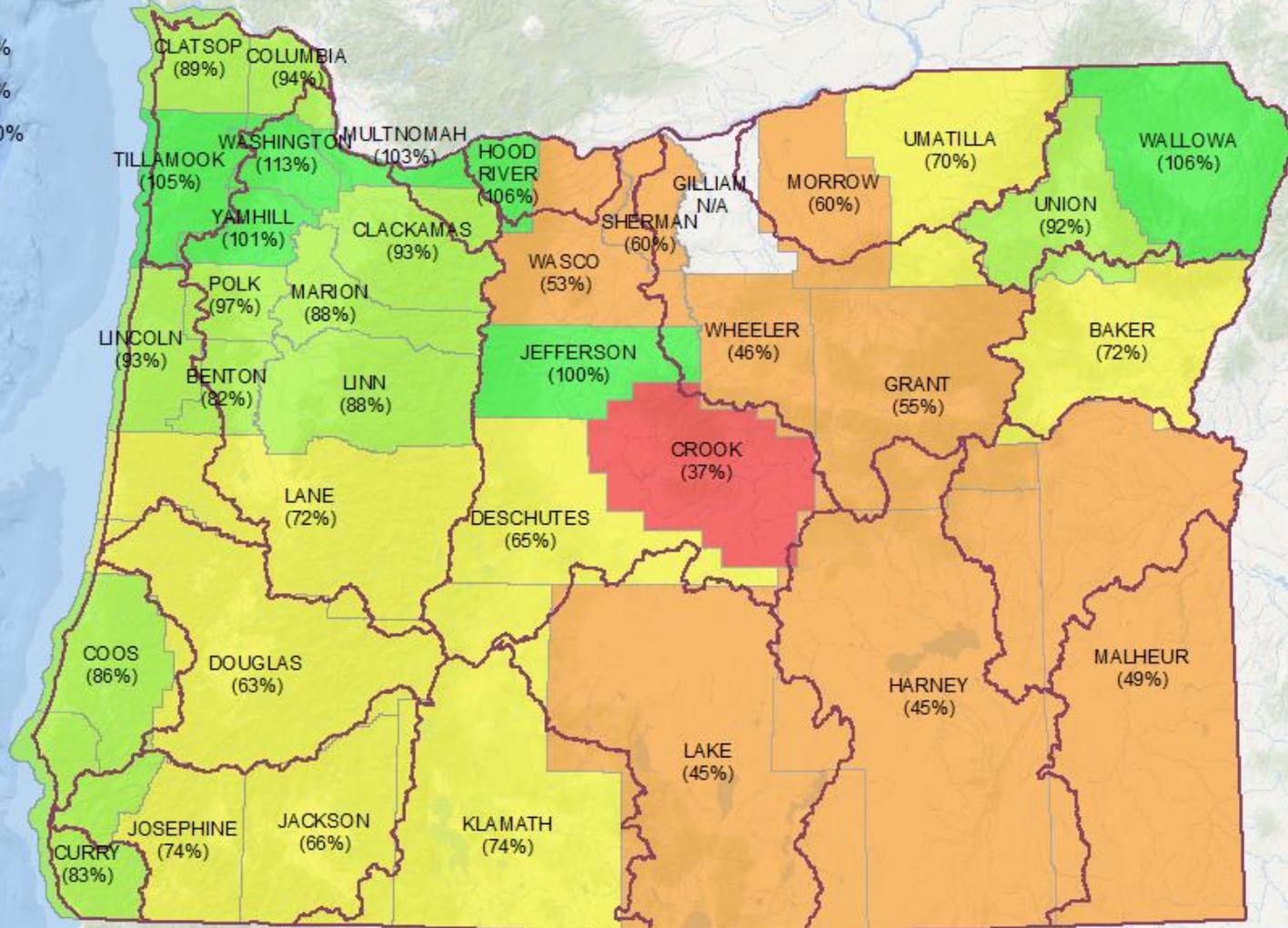
Source: water.weather.gov/precip/index.php?location_type=wfo&location_name=pqr

Percent of Average Streamflow Water Year - 2018

County



WRD Basin



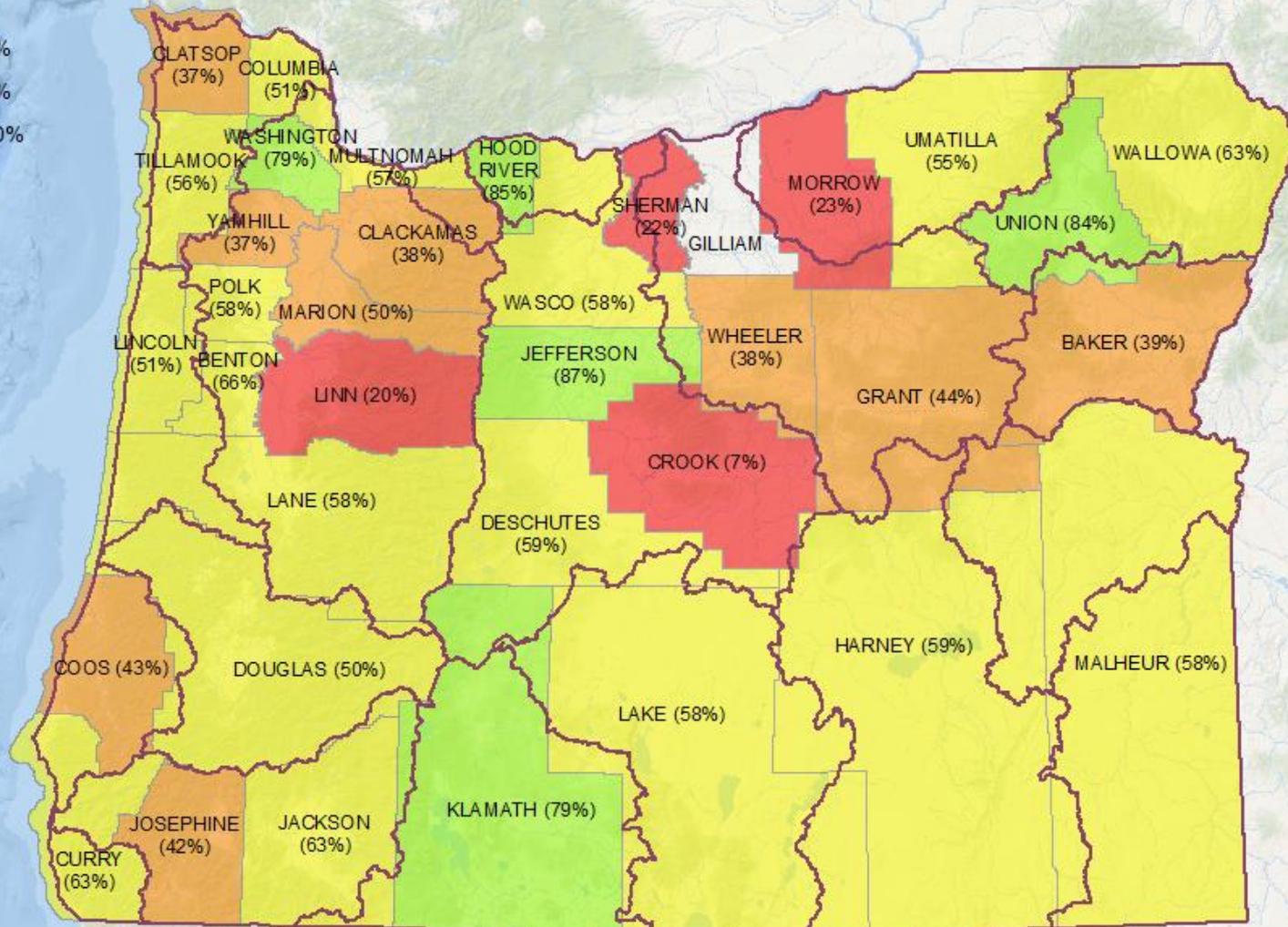
Average streamflow data are based on 30 years of record (1981-2010). All data represent free-flowing streams unaffected by significant man-made control structures such as dams or diversion works.

Percent of Average Streamflow September, 2018

County

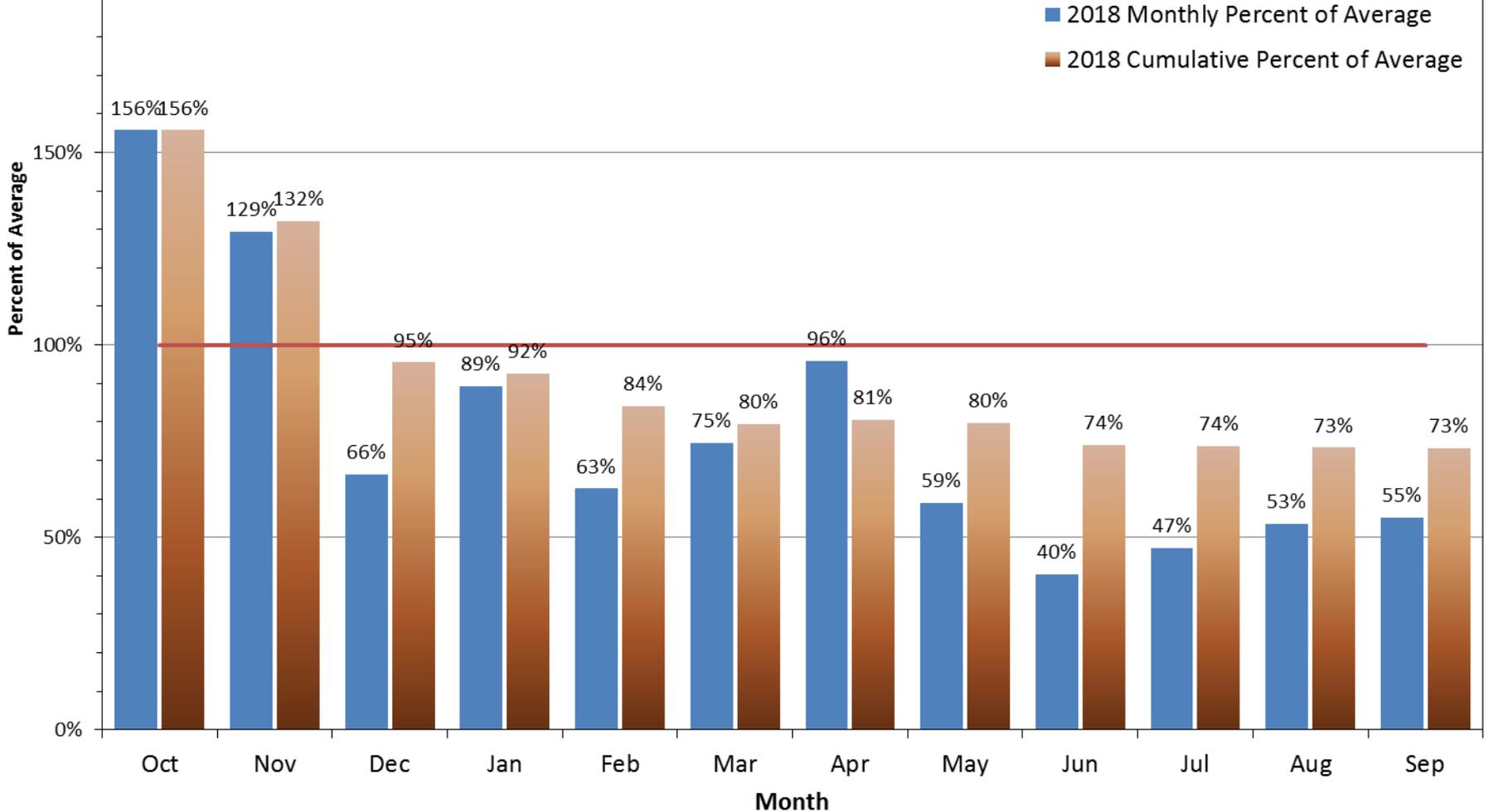


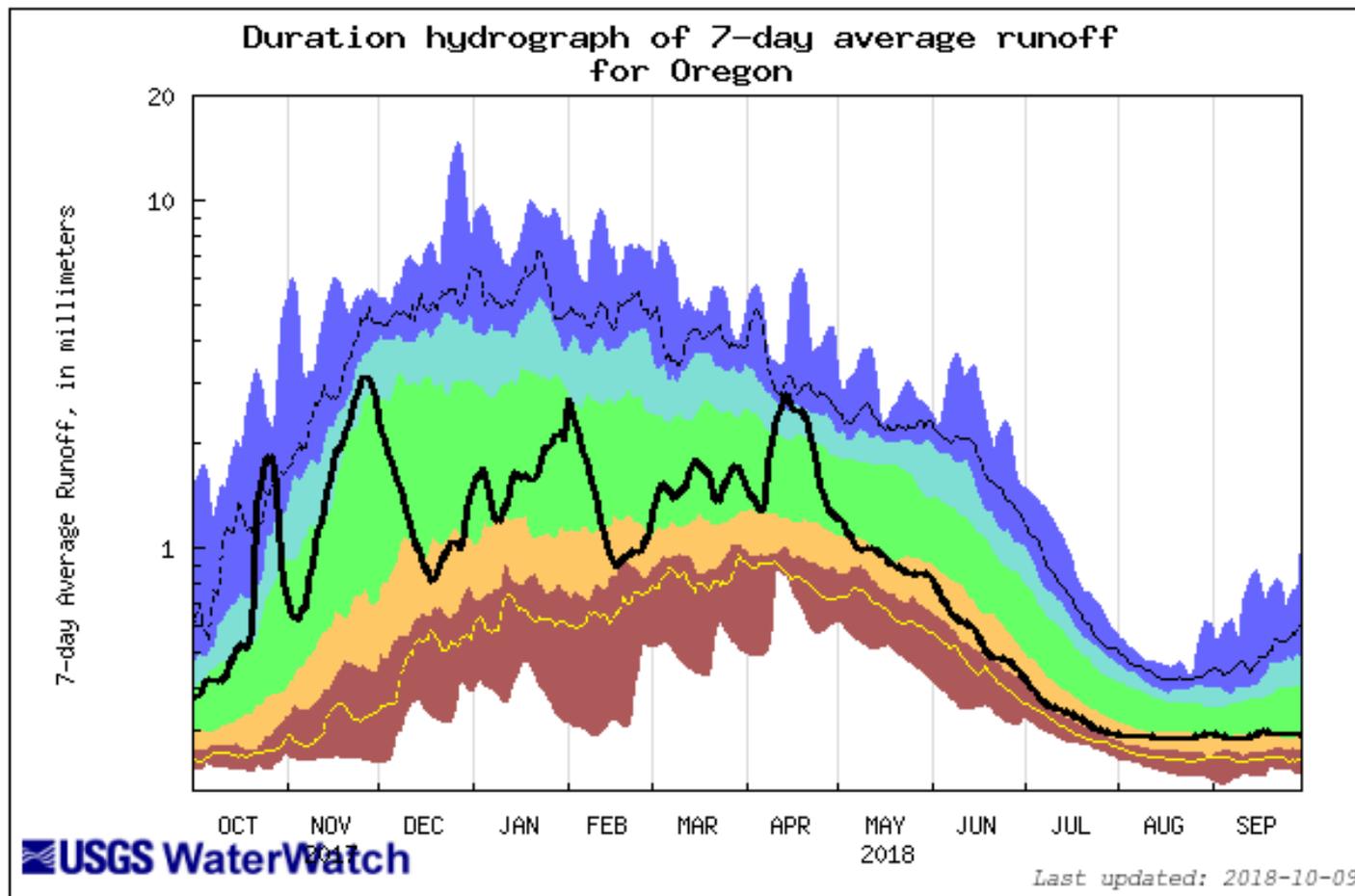
WRD Basin



Average streamflow data are based on 30 years of record (1981-2010). All data represent free-flowing streams unaffected by significant man-made control structures such as dams or diversion works.

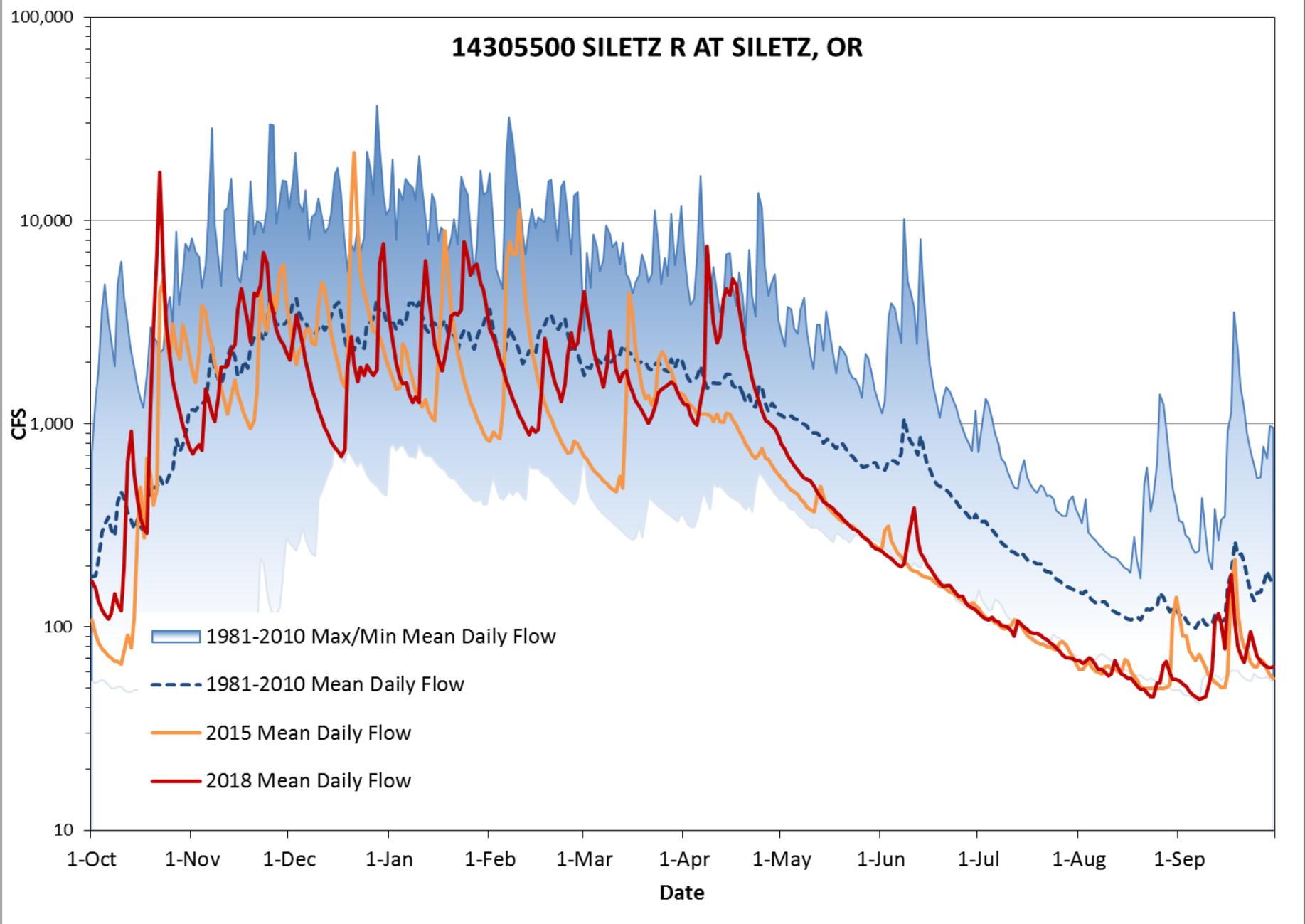
2018 Statewide Percent of Average Stream Flow





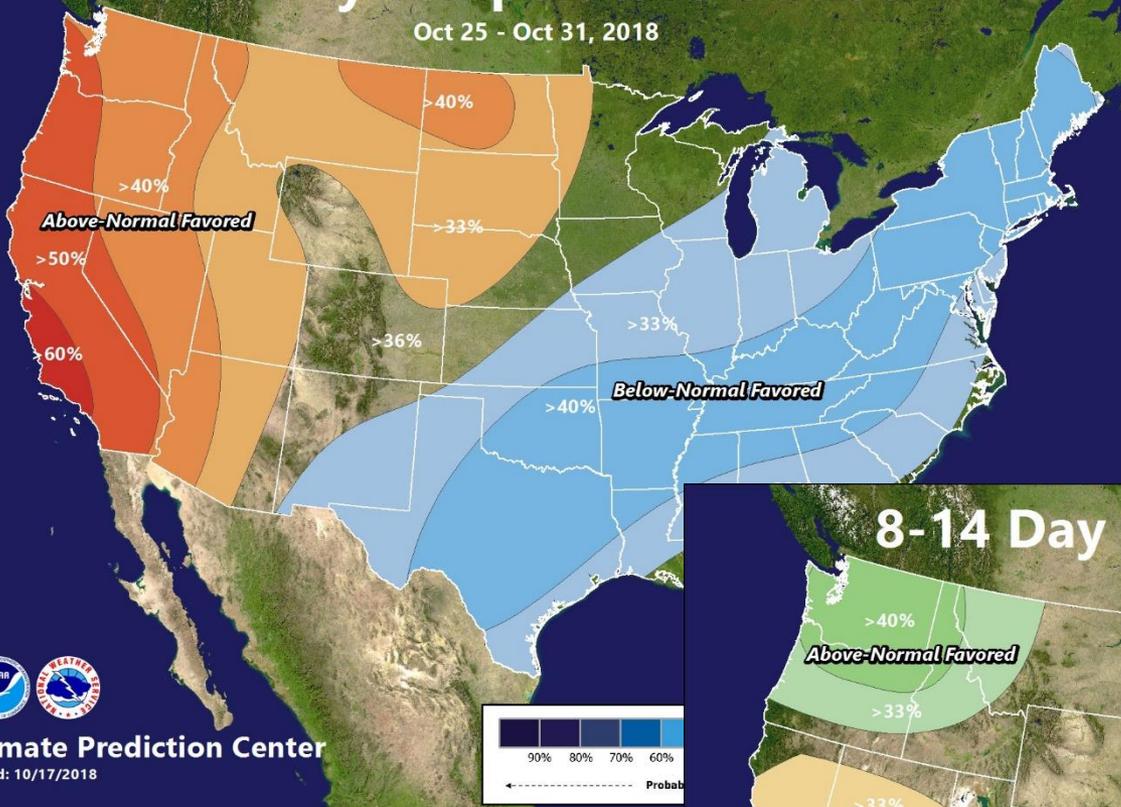
Explanation - Percentile classes						
lowest-10th percentile	5	10-24	25-75	76-90	95	90th percentile -highest
Much below Normal	Below normal	Normal	Above normal	Much above normal		Runoff

14305500 SILETZ R AT SILETZ, OR



8-14 Day Temperature Outlook

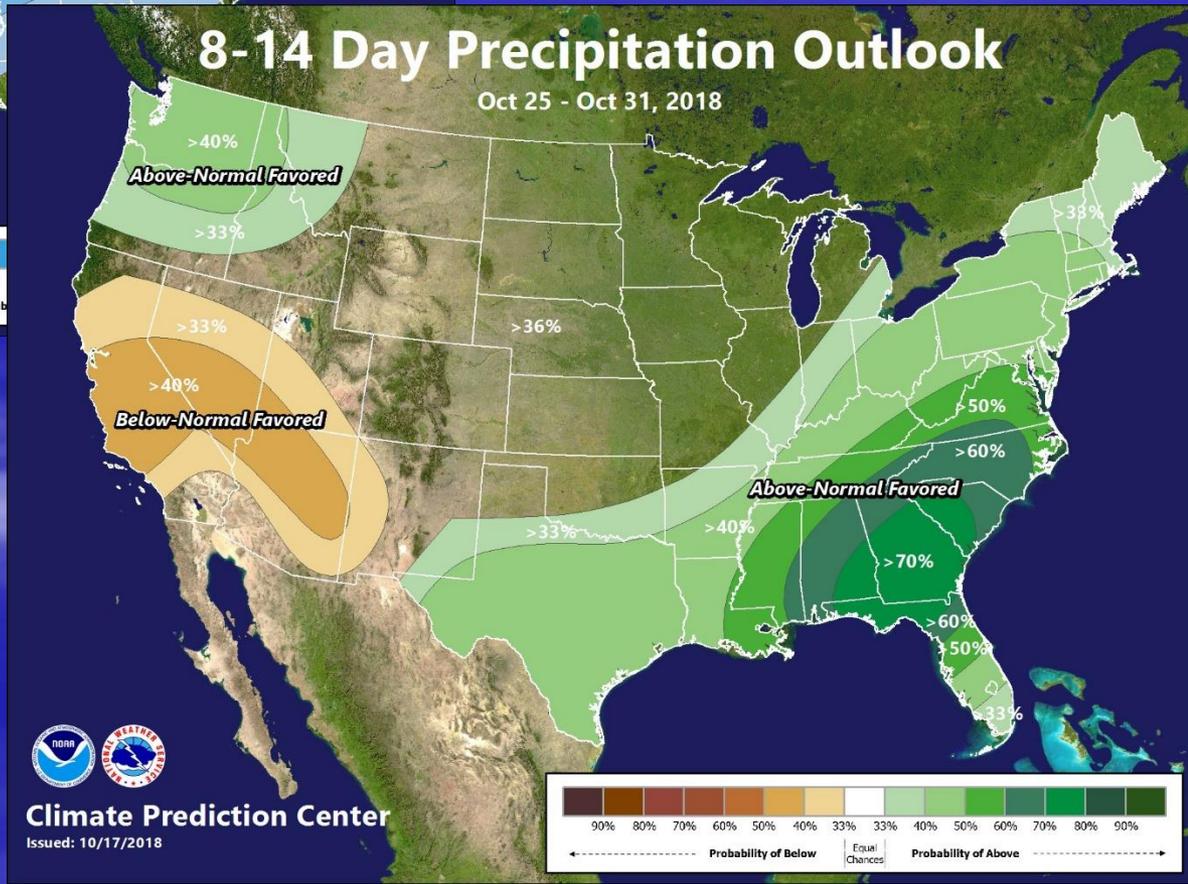
Oct 25 - Oct 31, 2018



Climate Prediction Center
Issued: 10/17/2018

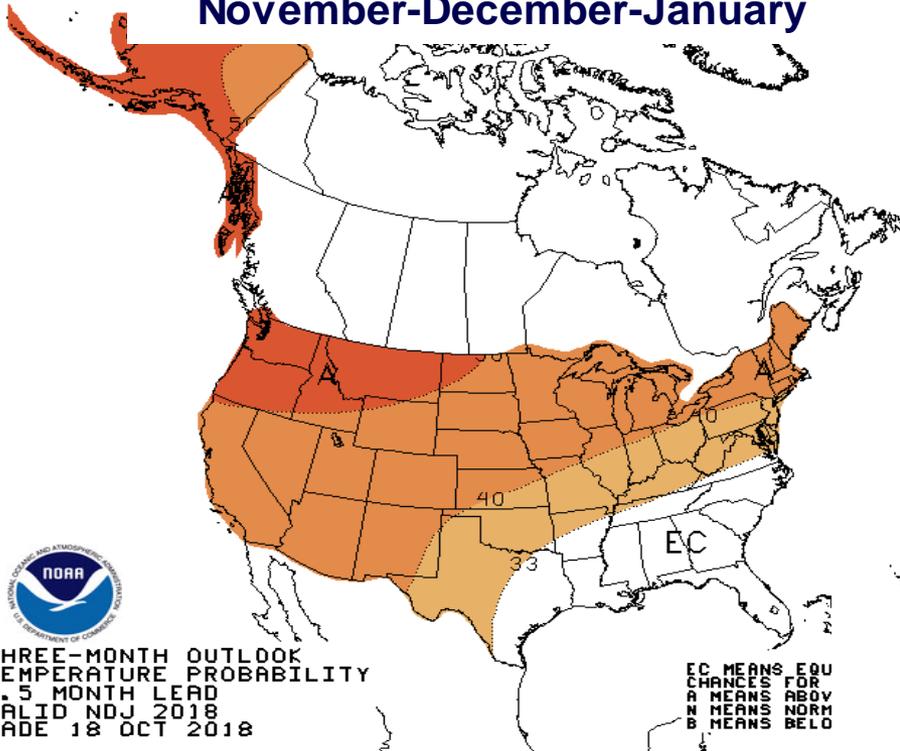
8-14 Day Precipitation Outlook

Oct 25 - Oct 31, 2018



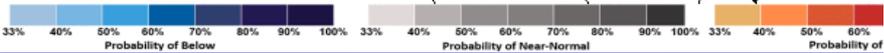
Climate Prediction Center
Issued: 10/17/2018

Three-Month Temperature Outlook November-December-January

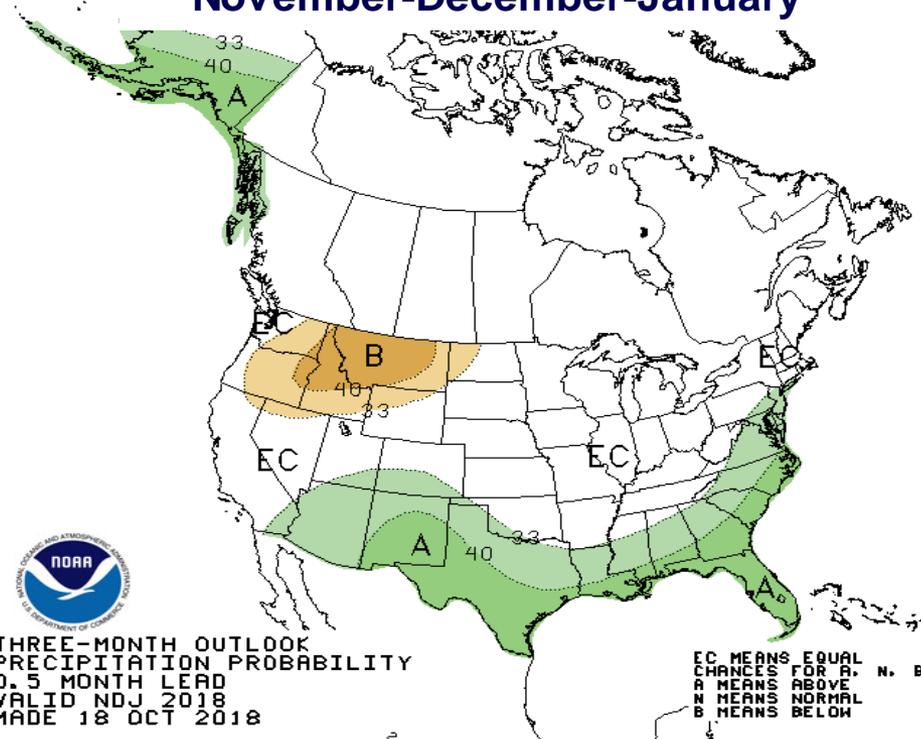


THREE-MONTH OUTLOOK
TEMPERATURE PROBABILITY
0.5 MONTH LEAD
VALID NDJ 2018
MADE 18 OCT 2018

EC MEANS EQUAL
CHANCES FOR
A MEANS ABOVE
N MEANS NORMAL
B MEANS BELOW



Three-Month Precipitation Outlook November-December-January



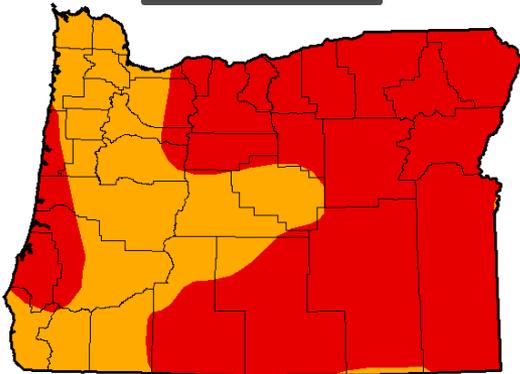
THREE-MONTH OUTLOOK
PRECIPITATION PROBABILITY
0.5 MONTH LEAD
VALID NDJ 2018
MADE 18 OCT 2018

EC MEANS EQUAL
CHANCES FOR A,
A MEANS ABOVE
N MEANS NORMAL
B MEANS BELOW



U.S. Drought Monitor
Oregon
2015

90% D2-D3



October 13, 2015
(Released Thursday, Oct. 15, 2015)
Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	0.00	100.00	100.00	100.00	67.29	0.00
Last Week 10/6/2015	0.00	100.00	100.00	100.00	67.29	0.00
3 Months Ago 7/14/2015	0.00	100.00	100.00	83.71	34.09	0.00
Start of Calendar Year 12/01/2014	13.61	86.39	80.70	49.29	34.11	0.00
Start of Water Year 8/29/2015	0.00	100.00	100.00	100.00	67.29	0.00
One Year Ago 10/14/2014	1.56	98.44	83.79	56.26	35.30	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.

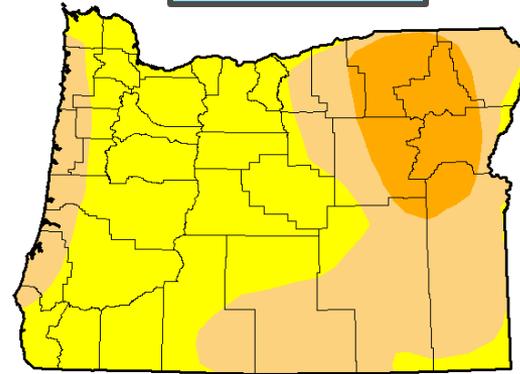
Author:
David Miskus
NOAA/NWS/NCEP/CPC



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

U.S. Drought Monitor
Oregon
2016

100% D0-D2



October 11, 2016
(Released Thursday, Oct. 13, 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	50.28	12.30	0.00	0.00
Last Week 10/4/2016	0.00	100.00	50.28	12.30	0.00	0.00
3 Months Ago 7/12/2016	0.00	100.00	49.75	0.00	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 9/27/2016	0.00	100.00	50.59	12.30	0.00	0.00
One Year Ago 10/13/2015	0.00	100.00	100.00	100.00	67.29	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.

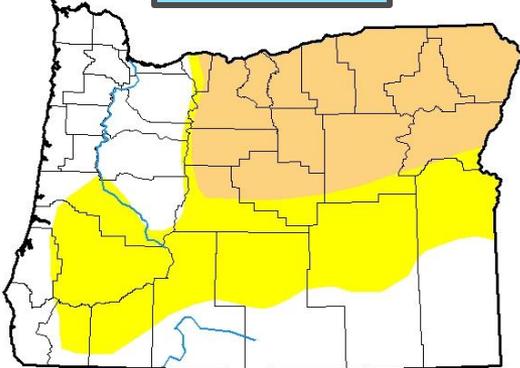
Author:
Brian Fuchs
National Drought Mitigation Center



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

U.S. Drought Monitor
Oregon
2017

61% D0-D1



October 10, 2017
(Released Thursday, Oct. 12, 2017)
Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	39.23	60.77	28.57	0.00	0.00	0.00
Last Week 10-03-2017	39.23	60.77	28.57	0.00	0.00	0.00
3 Months Ago 07-11-2017	100.00	0.00	0.00	0.00	0.00	0.00
Start of Calendar Year 01-03-2017	65.31	34.69	5.29	0.00	0.00	0.00
Start of Water Year 09-26-2017	39.23	60.77	28.57	0.00	0.00	0.00
One Year Ago 10-11-2016	0.00	100.00	50.28	12.30	0.00	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.

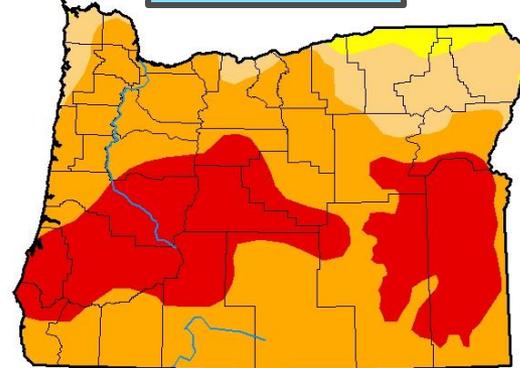
Author:
Anthony Artusa
NOAA/NWS/NCEP/CPC



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

U.S. Drought Monitor
Oregon
2018

100% D0-D3



October 16, 2018
(Released Thursday, Oct. 18, 2018)
Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	0.00	100.00	97.63	86.25	33.65	0.00
Last Week 10-09-2018	0.00	100.00	97.63	86.41	33.65	0.00
3 Months Ago 07-17-2018	5.52	94.48	80.60	25.10	0.00	0.00
Start of Calendar Year 01-02-2018	100.00	0.00	0.00	0.00	0.00	0.00
Start of Water Year 09-25-2018	0.00	100.00	97.68	87.81	31.62	0.00
One Year Ago 10-17-2017	39.30	60.70	0.00	0.00	0.00	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:
Eric Luebbehusen
U.S. Department of Agriculture

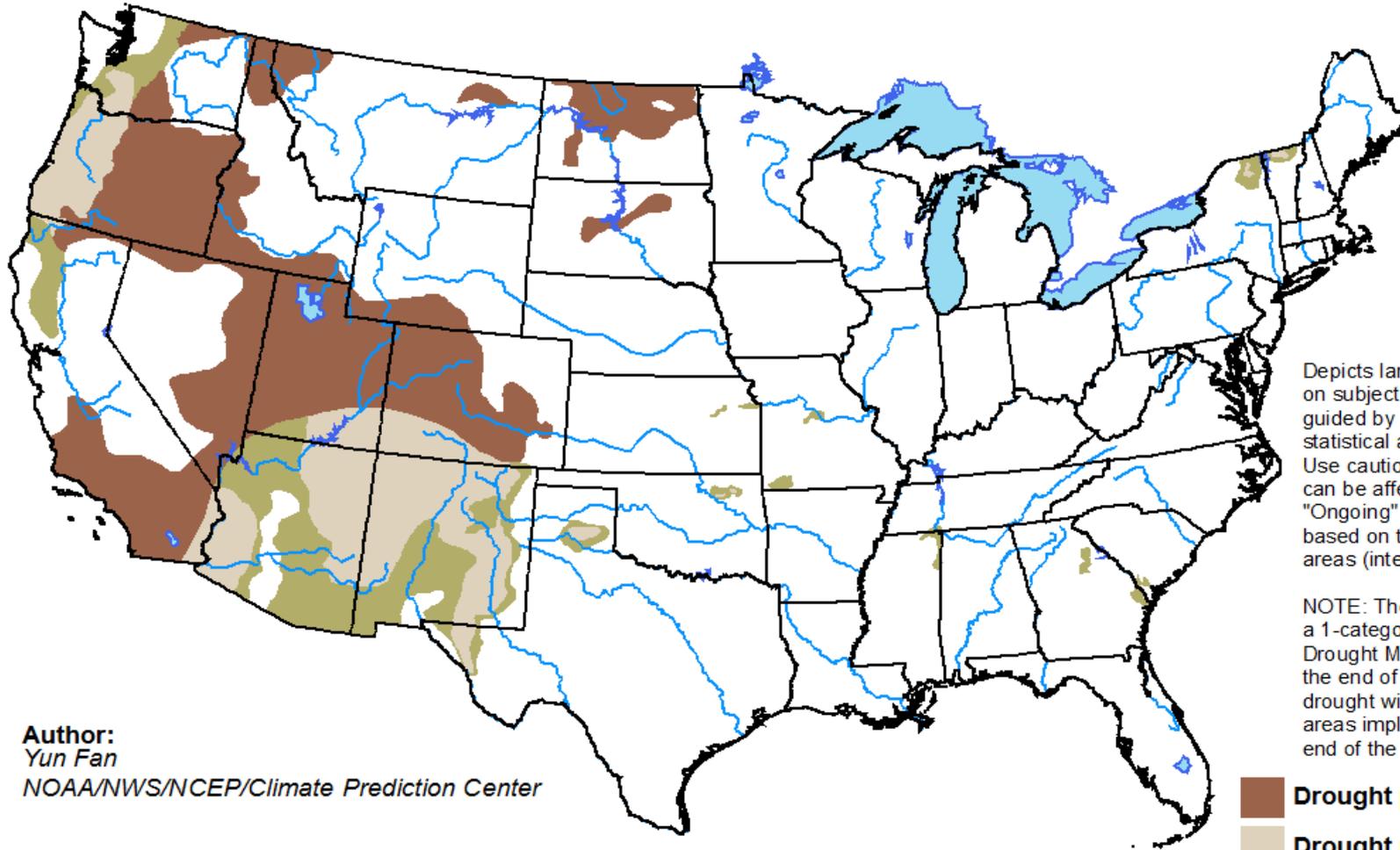


<http://droughtmonitor.unl.edu/>

U.S. Seasonal Drought Outlook

Drought Tendency During the Valid Period

Valid for October 18 - January 31, 2019
Released October 18, 2018

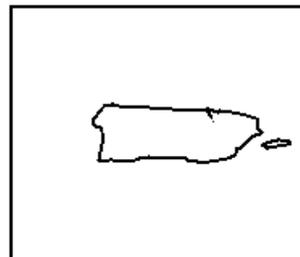
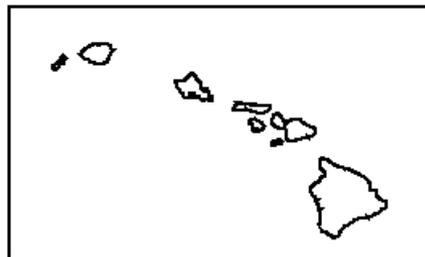
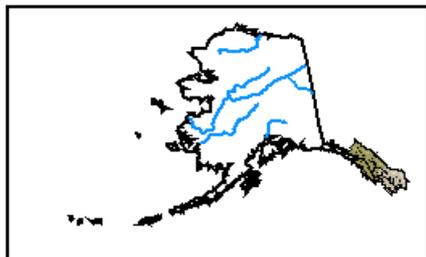


Depicts large-scale trends based on subjectively derived probabilities guided by short- and long-range statistical and dynamical forecasts. Use caution for applications that can be affected by short lived events. "Ongoing" drought areas are based on the U.S. Drought Monitor areas (intensities of D1 to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

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



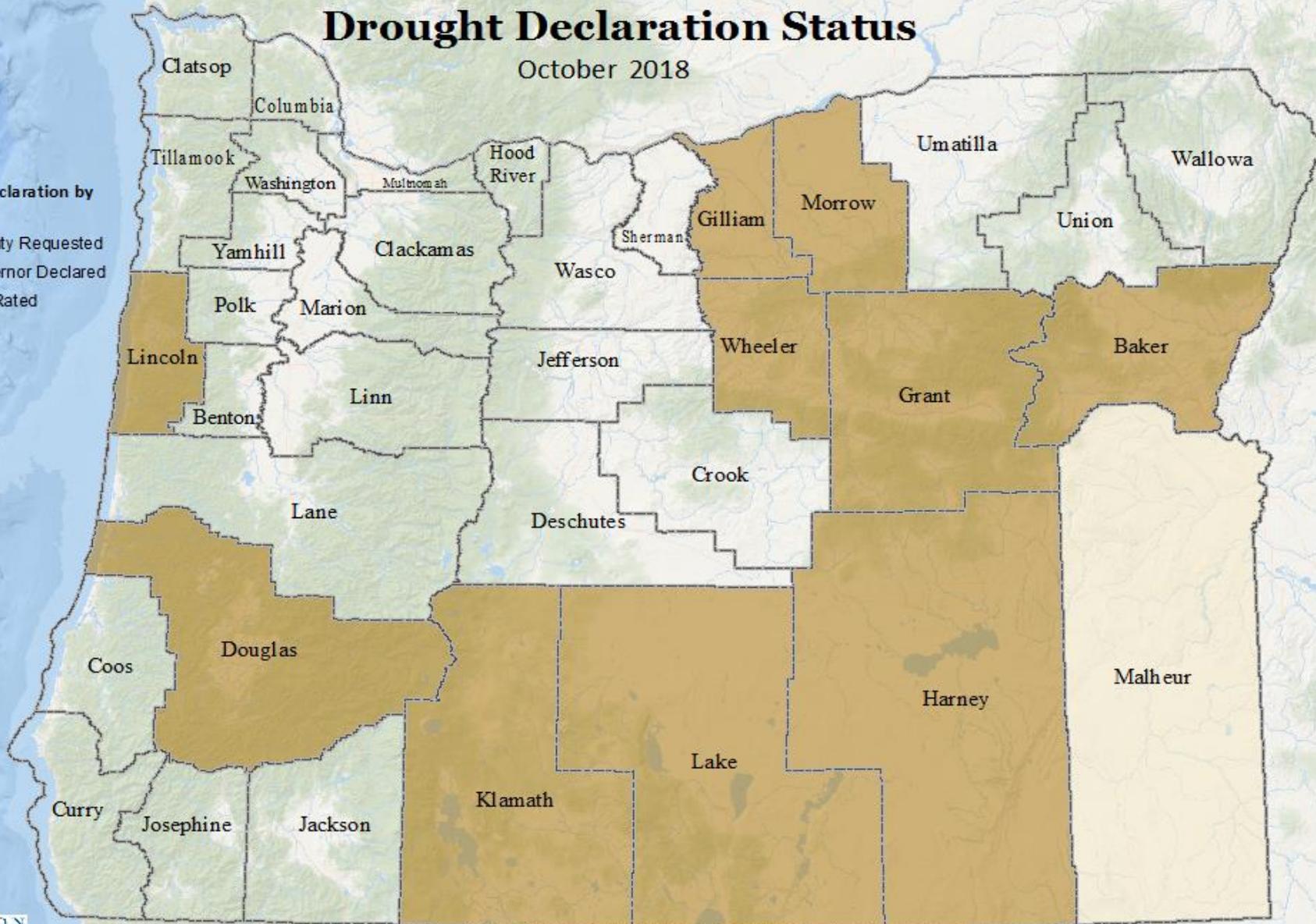
<http://go.usa.gov/3eZ73>

Drought Declaration Status

October 2018

Drought Declaration by

- County Requested
- Governor Declared
- Not Rated



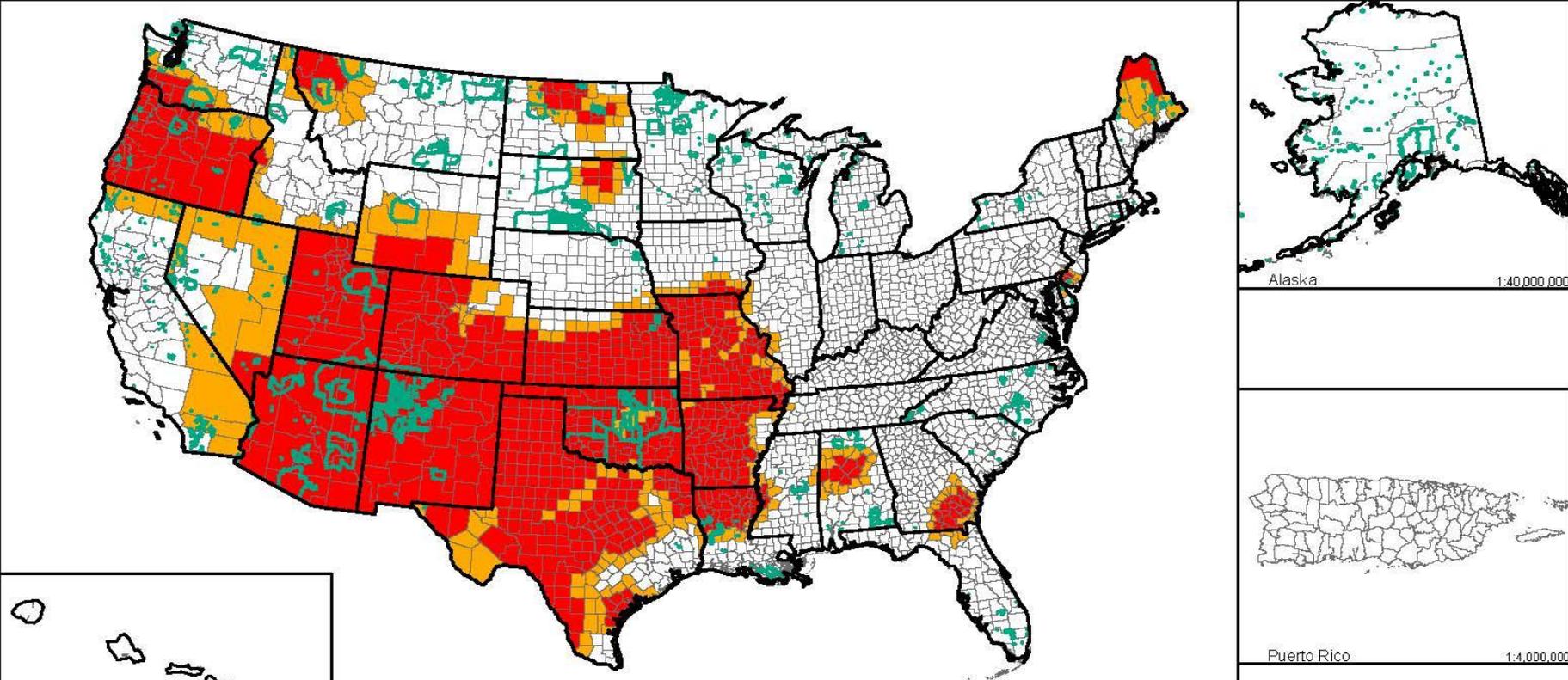
Oregon Water Resources Department
725 Summer St. NE Suite A
Salem, OR 97301
www.oregon.gov/owrd

This product is for informational purposes and may not have been prepared for, or be suitable for legal, engineering, or surveying purposes. Users of this information should review or consult the primary data and information sources to ascertain the usability of the information.

0 20 40 60 80 100 Miles

Updated: 10/11/2018 3:02 PM
Projection: Oregon Lambert, NAD 83
Esri, Garmin, GEBCO, NOAA NGDC, and other contributors

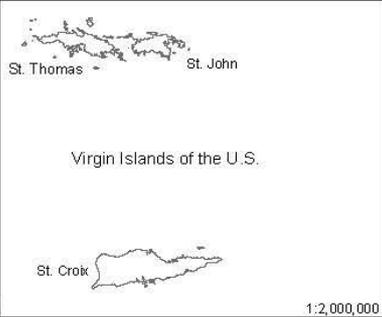
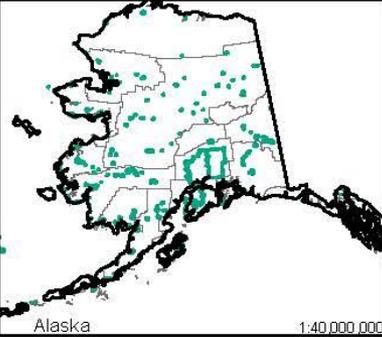
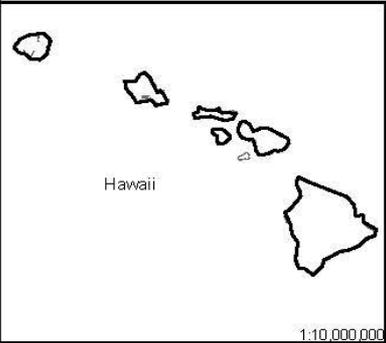
2018 Secretarial Drought Designations - All Drought



Secretarial Drought Designations for 2018

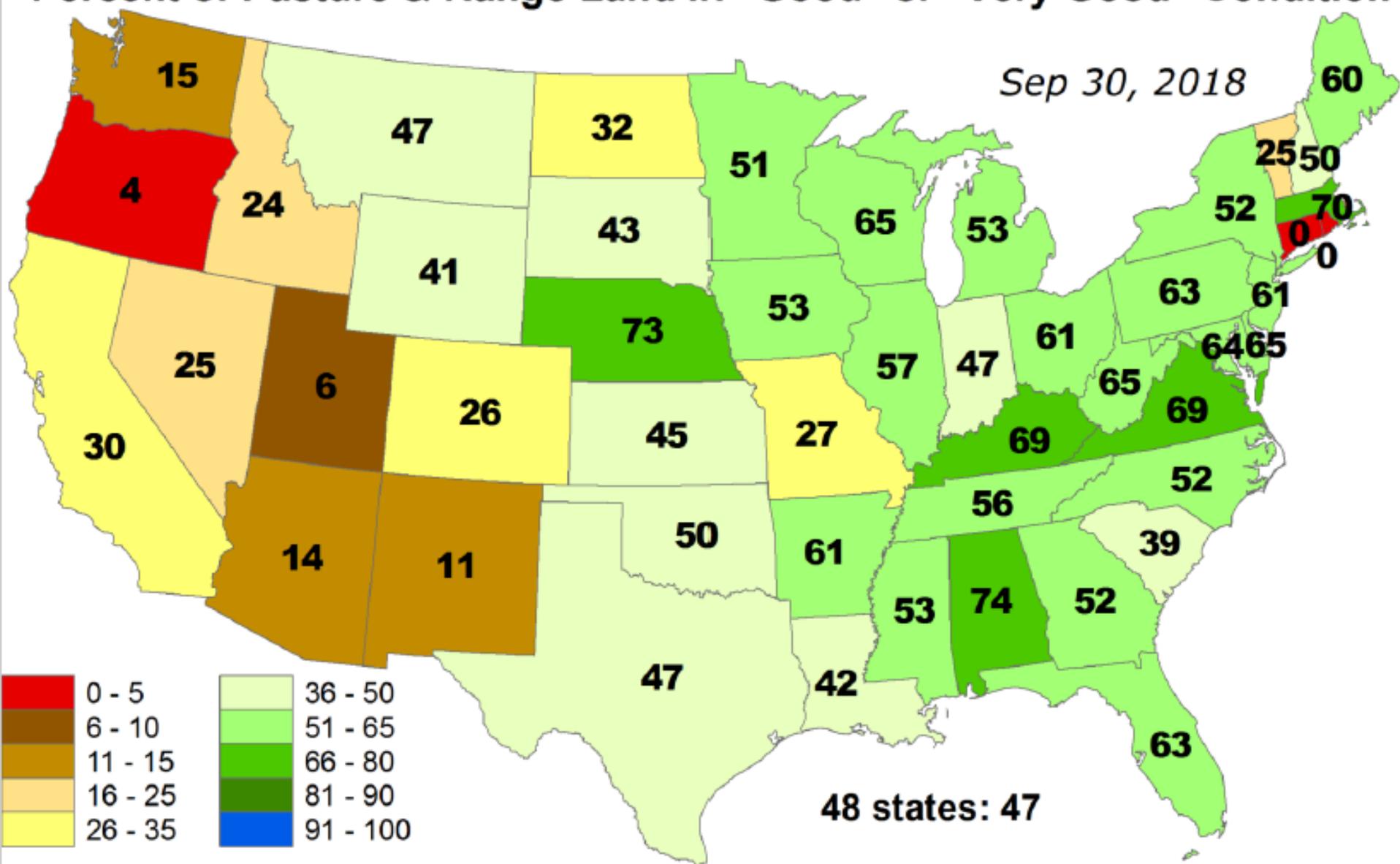
Disaster Incidents as of October 17, 2018

-  State Boundary
-  County Boundary
-  Tribal Lands
-  Primary Counties: 715
-  Contiguous Counties: 282



Percent of Pasture & Range Land in "Good" or "Very Good" Condition

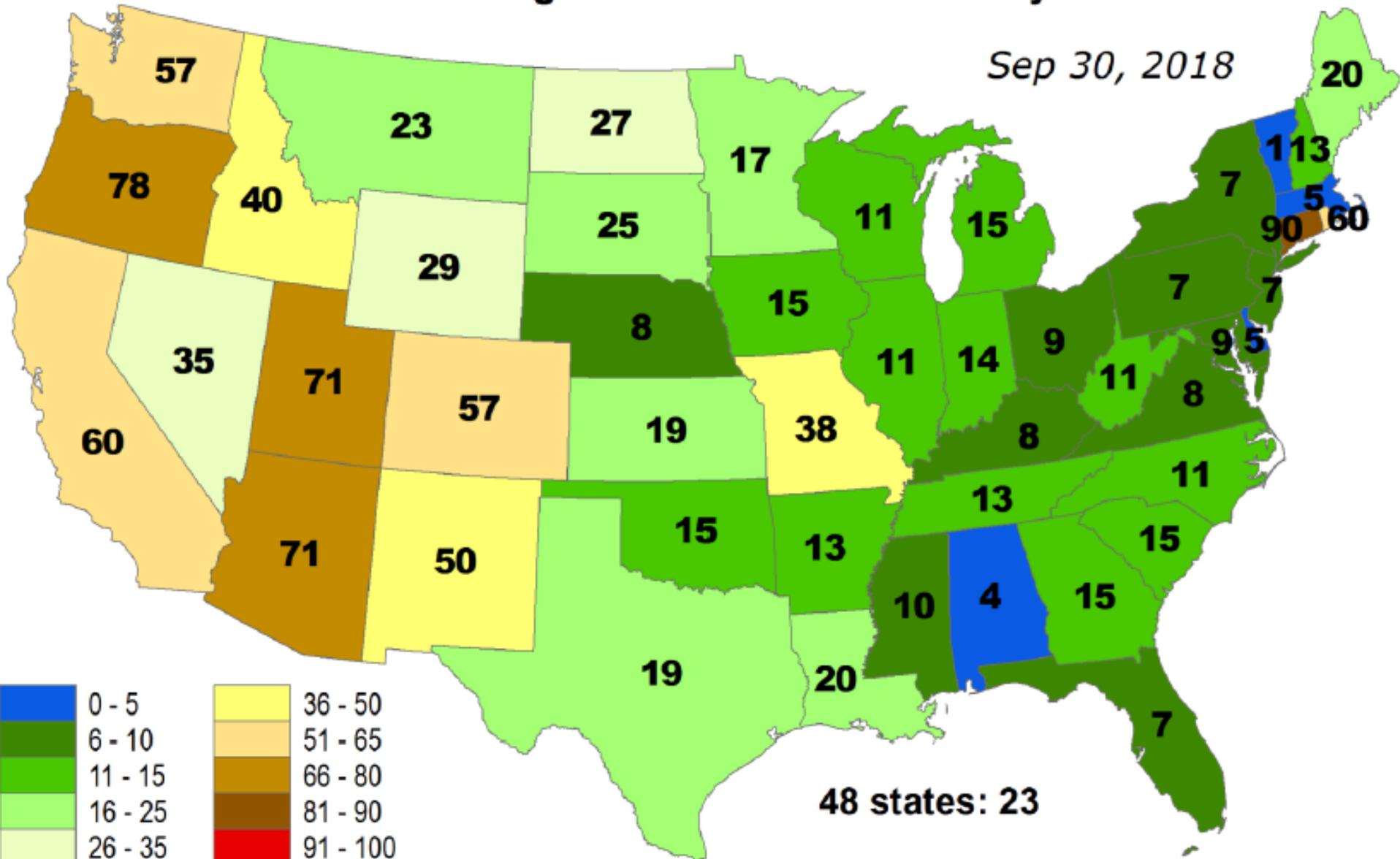
Sep 30, 2018



State	Percentage
Alabama	69
Alaska	0
Arizona	14
Arkansas	45
California	30
Colorado	26
Connecticut	70
Delaware	64
District of Columbia	0
Florida	63
Georgia	74
Idaho	41
Illinois	57
Indiana	47
Iowa	53
Kansas	73
Kentucky	69
Louisiana	42
Maine	60
Maryland	65
Massachusetts	70
Michigan	53
Minnesota	51
Mississippi	53
Missouri	43
Montana	47
Nebraska	32
Nevada	25
New Hampshire	50
New Jersey	61
New Mexico	11
New York	52
North Carolina	52
North Dakota	41
Ohio	61
Oklahoma	6
Oregon	4
Pennsylvania	63
Rhode Island	0
South Carolina	39
South Dakota	24
Tennessee	56
Texas	47
Utah	32
Vermont	50
Virginia	65
Washington	15
West Virginia	69
Wisconsin	65
Wyoming	47

Percent of Pasture & Range Land in "Poor" or "Very Poor" Condition

Sep 30, 2018



Thank you

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USDA Oregon Technical Advisory Committee

October 18, 2018

Upper Deschutes - Wickiup Res. September 2018, OWRD photo



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USDA Natural Resources Conservation Service
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