



Drought Report for the Week of August 3, 2015



Current Water Conditions: In the final Water Supply Outlook for 2015, the NRCS reported that State-wide, Oregon's snowpack this winter peaked at the lowest levels measured in the last 35 years. Many snow monitoring sites set records for the lowest peak snowpack and earliest melt-out date since measurements began. Consequently, streamflow is expected to be well below normal through the end of summer, especially in the more arid regions of the state. The current statewide average precipitation is 88%.

County-wide drought declarations go through a three-part process before securing a drought declaration from the Governor's Office.

First, County Commissions meet to determine whether they want to seek a Governor's declaration.

Second, these recommendations go to the Water Availability Committee (chaired by the Oregon Water Resources Department) and then the Oregon Drought Council (chaired by Oregon Emergency Management) for technical review. The next meeting of the Oregon's Drought Council is August 20, 2015. The Water Availability Committee will convene if requested by the Drought Council.

Finally, if approved for drought declaration, the Governor's Office issues an Executive Order, declaring drought in specific counties. In recent years, these Executive Order have been set to expire at the end of a calendar year. A Governor's declared drought is in place for 2015 in the following counties: Baker, Coos, Crook, Curry, Deschutes, Douglas, Gilliam, Grant, Harney, Hood River, Jackson, Jefferson, Josephine, Klamath, Lake, Lane, Malheur, Morrow, Sherman, Umatilla, Union, Wasco and Wheeler. A Governor's Drought Declaration allows the Water Resources Department to issue emergency drought permits to applicants, using an expedited process.

To go to a specific section click on title below:

- Oregon Basin Report (Final Report for 2015)
- Water Supply Assessment by Basin
- Oregon Declaration Status
- Oregon Surface Water Supply Index
- Oregon SNOTEL Water Year to Date Precipitation % of Normal
- Oregon Drought Monitor
- Water Right Drought Permit Application: Summary Report

Additional Resources:

- Reservoir Storage Diagrams
 - [Deschutes Basin](#)
 - [Willamette Basin](#)
 - [Tualatin River Basin](#)
 - [Rogue Basin](#)
 - [Umatilla River Basin](#)
 - [Southeastern Oregon](#)
- [Three Month Outlook – Temperature Probability](#)
- [Three Month Outlook – Precipitation Probability](#)



United States
Department of
Agriculture



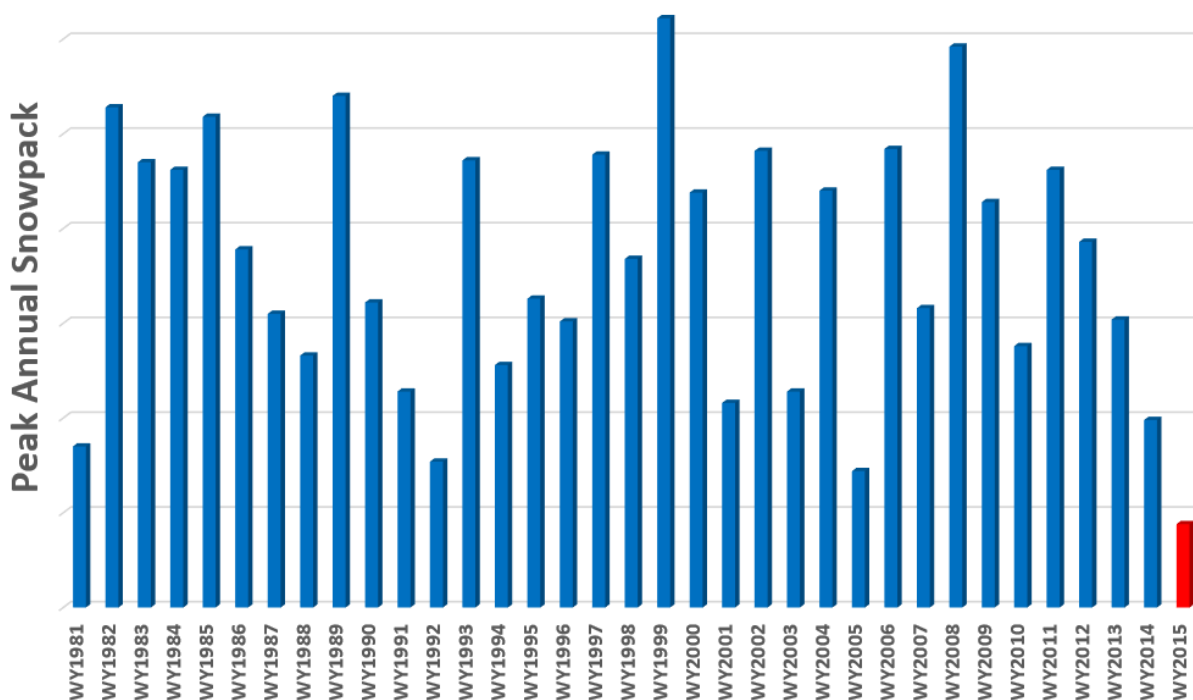
Natural Resources
Conservation
Service

Oregon Basin Outlook Report

June 1, 2015

****Final Report for 2015****

Oregon Snowpack Lowest on Record 2015 Water Year



State-wide, Oregon's snowpack this winter peaked at the lowest levels measured in the last 35 years. The chart above puts this year's record low snowpack into historical context. The height of each bar reflects the peak snowpack—from across the state of Oregon—for each water year. This year, 2015, is shown in red at the far right. Many snow monitoring sites set records for the lowest peak snowpack and earliest melt-out date since measurements began. In western Oregon, the snowpack peaked 60-90% below the normal amounts and the snow melted up to 3 months early. The snowpack in the eastern part of the state was only slightly better, peaking 30-80% below normal levels and up to 2 months earlier than normal. Lack of normal mountain snowpack has led to well below normal streamflow forecasts for the state. Currently, most of Oregon is included in the severe to extreme drought category, according to the National Drought Monitor. Water shortages across Oregon are expected this summer and Governor Kate Brown has declared a drought state of emergency in 15 counties as a result.

menu

- [About Us](#)
- [Contact Us](#)
- [News and Events](#)
- [Adjudications](#)
- [Commission](#)
- [Forms](#)
- [Ground Water](#)
- [Links](#)
- [Maps](#)
- [Publications](#)
- [Surface Water](#)
- [Water Law](#)
- [Water Management](#)
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DROUGHT

Current Basin Water Status

Basin #	Basin Name	Basin Status	Reason
1	North Coast	Drought Unavoidable	Record low flows
2	Willamette	Drought Unavoidable	Corps Reservoirs 50%
3	Sandy	Drought Unavoidable	Near record low streams
4	Hood	Drought Unavoidable	Very low streamflow
5	Deschutes	Drought Unavoidable	Very low tributary flows
6	John Day	Drought Unavoidable	Very low flows
7	Umatilla	Drought Unavoidable	Very low flows
8	Grande Ronde	Drought Unavoidable	Flows dropping rapidly
9	Powder	Drought Unavoidable	Very low tributary flows
10	Malheur	Drought Unavoidable	Reservoir storage is near empty
11	Owyhee	Drought Unavoidable	Reservoir storage is near empty
12	Malheur Lake	Drought Unavoidable	No reservoir storage; Very low flows
13	Goose & Summer Lake	Drought Unavoidable	Reservoir storage is near empty; low flows
14	Klamath	Drought Unavoidable	Low flows
15	Rogue	Drought Unavoidable	Low flows
16	Umpqua	Drought Unavoidable	Low flows
17	South Coast	Drought Unavoidable	Record low flows
18	Middle Coast	Drought Unavoidable	Record low flows

Oregon's Water Availability Committee* Water Supply Assessment

7/9/2015

Drought by Basin

Status

- Near or Above Normal
- Below Normal
- Drought Likely
- Drought Unavoidable
- Not Rated
- Administrative Basins

*Members Include
State and Federal
Science Agencies

Hydrologic conditions
shown on this map do
not reflect local water
supply conditions,
including above and
below-ground storage.



Oregon Water Resources Department
725 Summer St. NE Suite A
Salem, OR 97301
<http://www.wrd.state.or.us/>

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0 20 40 60 80 100 Miles

Updated: 7/13/2015 9:08 AM
Projection: Oregon Lambert, NAD 83



Drought Declarations

Search Criteria

County: **Start Drought Year:**
Drought Status: **End Drought Year:**





	Drought Year	County	Drought Title	Drought Status	County Request Date	Forwarded to Governor Date	Governor Declaration Date	Federal Declaration Date	Executive Order	Drought Begin Date	Drought End Date
Select	2015	Baker	BAKER DROUGHT	Governor Declared	03/18/2015	04/10/2015	04/20/2015	04/22/2015	15-04	04/20/2015	12/31/2015
Select	2015	Coos	COOS DROUGHT	Governor Declared	06/11/2015	06/12/2015	06/12/2015		15-06	06/12/2015	12/31/2015
Select	2015	Crook	CROOK DROUGHT	Governor Declared	03/18/2015	03/20/2015	04/02/2015	04/22/2015	15-03	04/02/2015	12/31/2015
Select	2015	Curry	CURRY DROUGHT	Governor Declared	06/29/2015	07/09/2015	07/21/2015		15-08	07/21/2015	12/31/2015
Select	2015	Deschutes	DESCHUTES DROUGHT	Governor Declared	04/29/2015	05/15/2015	05/22/2015	04/22/2015	15-05	05/22/2015	12/31/2015
Select	2015	Douglas	DOUGLAS DROUGHT	Governor Declared	06/10/2015	06/12/2015	06/12/2015	03/22/2015	15-06	06/12/2015	12/31/2015
Select	2015	Gilliam	GILLIAM DROUGHT	Governor Declared	06/03/2015	06/12/2015	06/12/2015	06/10/2015	15-06	06/12/2015	12/31/2015
Select	2015	Grant	GRANT DROUGHT	Governor Declared	04/29/2015	05/15/2015	05/22/2015	03/18/2015	15-05	05/22/2015	12/31/2015
Select	2015	Harney	HARNEY DROUGHT	Governor Declared	03/18/2015	03/20/2015	04/02/2015	04/22/2015	15-03	04/02/2015	12/31/2015
Select	2015	Hood River	HOOD RIVER DROUGHT	Governor Declared	06/25/2015	07/09/2015	07/21/2015	06/10/2015	15-08	07/21/2015	12/31/2015
Select	2015	Jackson	JACKSON DROUGHT	Governor Declared	05/13/2015	05/15/2015	05/22/2015	03/18/2015	15-05	05/22/2015	12/31/2015
Select	2015	Jefferson	JEFFERSON DROUGHT	Governor Declared	06/03/2015	06/12/2015	06/12/2015	06/10/2015	05/06	06/12/2015	12/31/2015
Select	2015	Josephine	JOSEPHINE DROUGHT	Governor Declared	05/06/2015	05/15/2015	05/22/2015	03/20/2015	15-05	05/22/2015	12/31/2015
Select	2015	Klamath	KLAMATH DROUGHT	Governor Declared	03/17/2015	03/20/2015	04/02/2015	04/08/2015	15-03	03/20/2015	12/31/2015
Select	2015	Lake	LAKE DROUGHT	Governor Declared	03/10/2015	03/11/2015	03/16/2015	04/08/2015	15-02	03/16/2015	12/31/2015
Select	2015	Lane	LANE DROUGHT	Governor Declared	05/12/2015	05/15/2015	05/22/2015		15-05	05/22/2015	12/31/2015
Select	2015	Malheur	MALHEUR DROUGHT	Governor Declared	03/04/2015	03/11/2015	03/16/2015	04/08/2015	15-02	03/16/2015	12/31/2015
Select	2015	Morrow	MORROW DROUGHT	Governor Declared	05/06/2015	05/15/2015	05/22/2015	03/20/2015	15-05	05/22/2015	12/31/2015
Select	2015	Sherman	SHERMAN DROUGHT	Governor Declared	06/18/2015	06/19/2015	06/22/2015	06/10/2015	15-07	06/22/2015	12/31/2015
Select	2015	Umatilla	UMATILLA DROUGHT	Governor Declared	04/28/2015	05/15/2015	05/22/2015	03/20/2015	15-05	05/22/2015	12/31/2015
Select	2015	Union	UNION DROUGHT	Governor Declared	07/15/2015	07/16/2015	07/21/2015	03/20/2015	15-08	07/21/2015	12/31/2015
Select	2015	Wasco	WASCO DROUGHT	Governor Declared	05/20/2015	05/21/2015	05/22/2015	06/10/2015	15-05	05/22/2015	12/31/2015
Select	2015	Wheeler	WHEELER DROUGHT	Governor Declared	03/18/2015	04/10/2015	04/20/2015	05/13/2015	15-04	04/20/2015	12/31/2015
Select	2015	Clackamas	CLACKAMAS DROUGHT					06/10/2015			
Select	2015	Marion	MARION DROUGHT					06/10/2015			
Select	2015	Wallowa	WALLOWA DROUGHT					06/24/2015			

Oregon's Drought Council* Drought Declaration Status

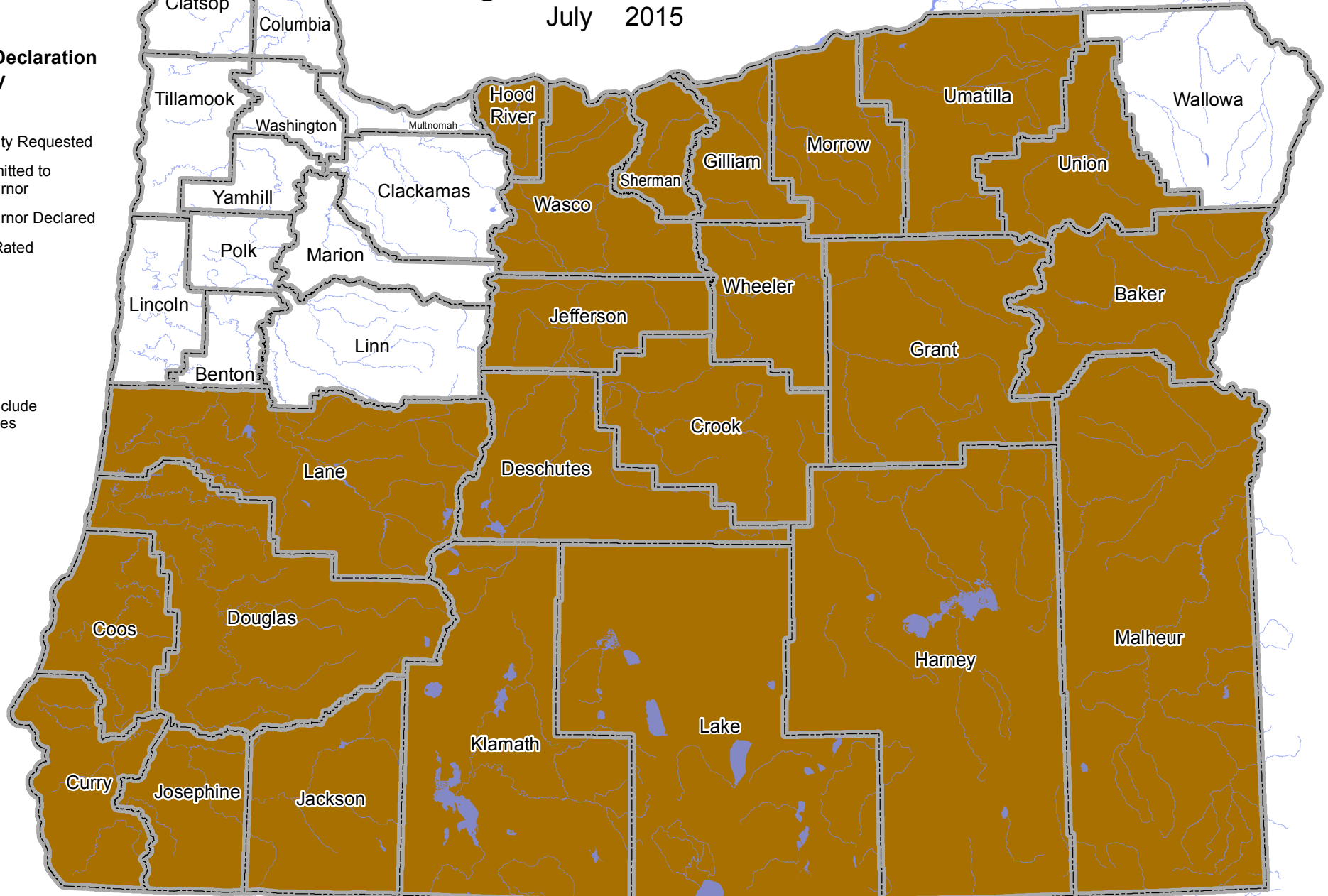
July 2015

Drought Declaration by County

Status

-  County Requested
-  Submitted to Governor
-  Governor Declared
-  Not Rated

*Members Include
State Agencies



Oregon Water Resources Department
725 Summer St. NE Suite A
Salem, OR 97301
<http://www.wrd.state.or.us/>

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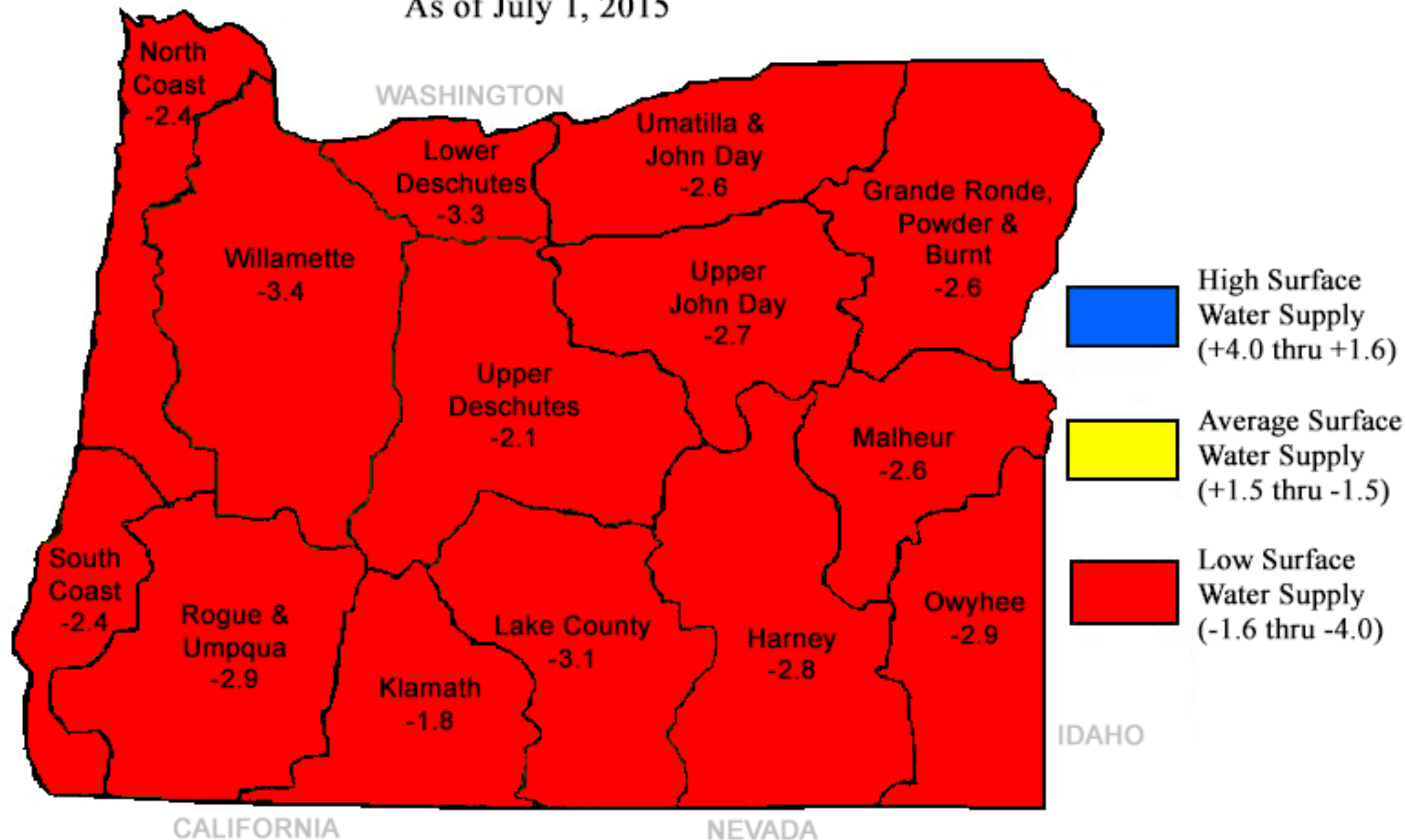


0 20 40 60 80 100 Miles

Updated: 7/21/2015 3:07 PM
Projection: Oregon Lambert, NAD 83

OREGON SURFACE WATER SUPPLY INDEX (SWSI)

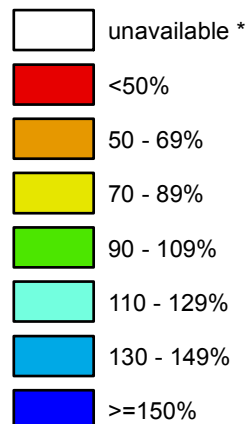
As of July 1, 2015



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

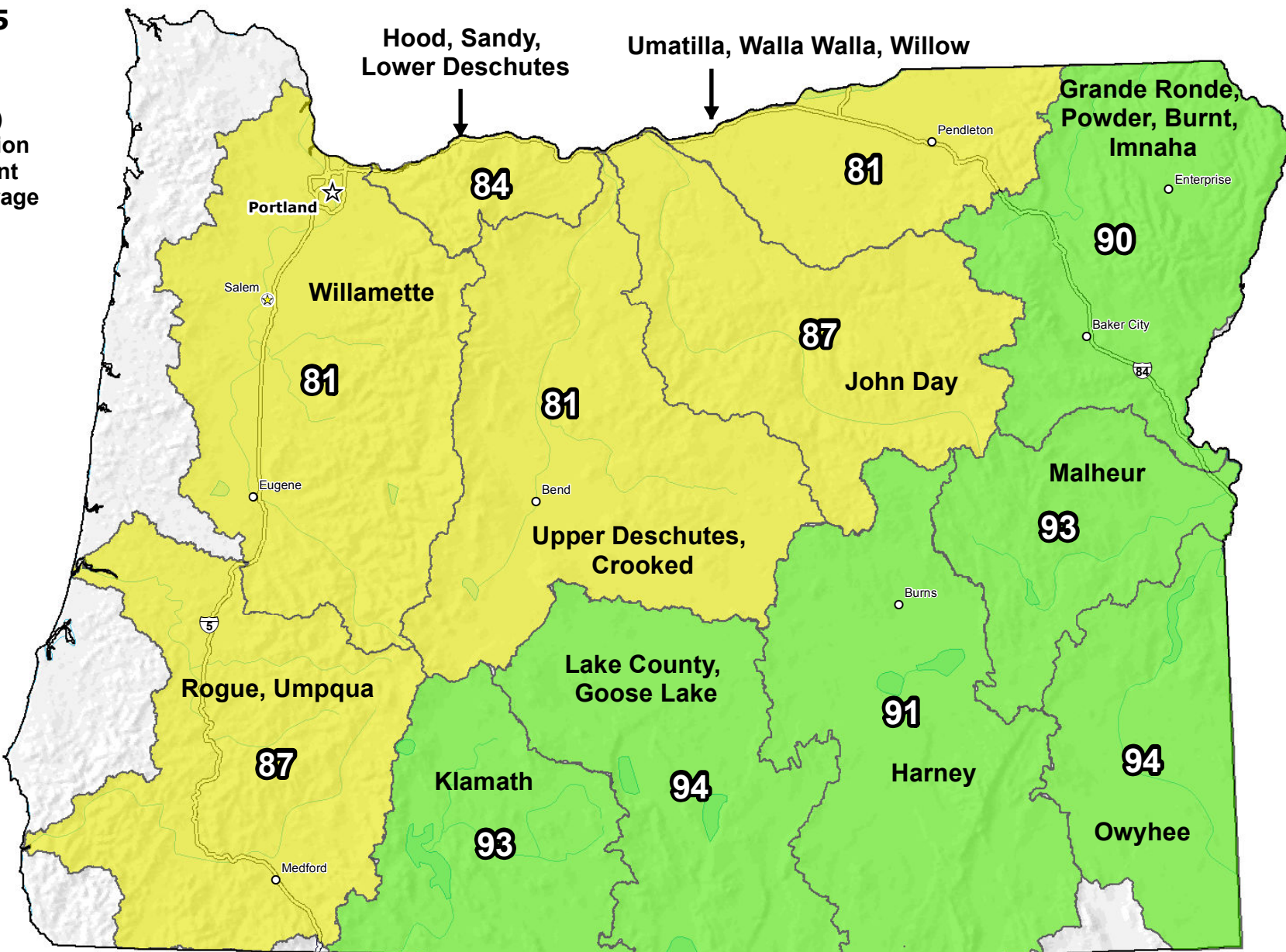
Aug 03, 2015

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>

U.S. Drought Monitor Oregon

July 28, 2015

(Released Thursday, Jul. 30, 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	48.31	0.00
Last Week 7/21/2015	0.00	100.00	100.00	83.71	34.09	0.00
3 Months Ago 4/28/2015	0.11	99.89	86.09	63.17	34.09	0.00
Start of Calendar Year 12/30/2014	13.61	86.39	80.70	49.29	34.11	0.00
Start of Water Year 9/30/2014	1.56	98.44	76.61	56.26	35.30	0.00
One Year Ago 7/29/2014	1.75	98.25	75.50	55.62	19.91	0.00

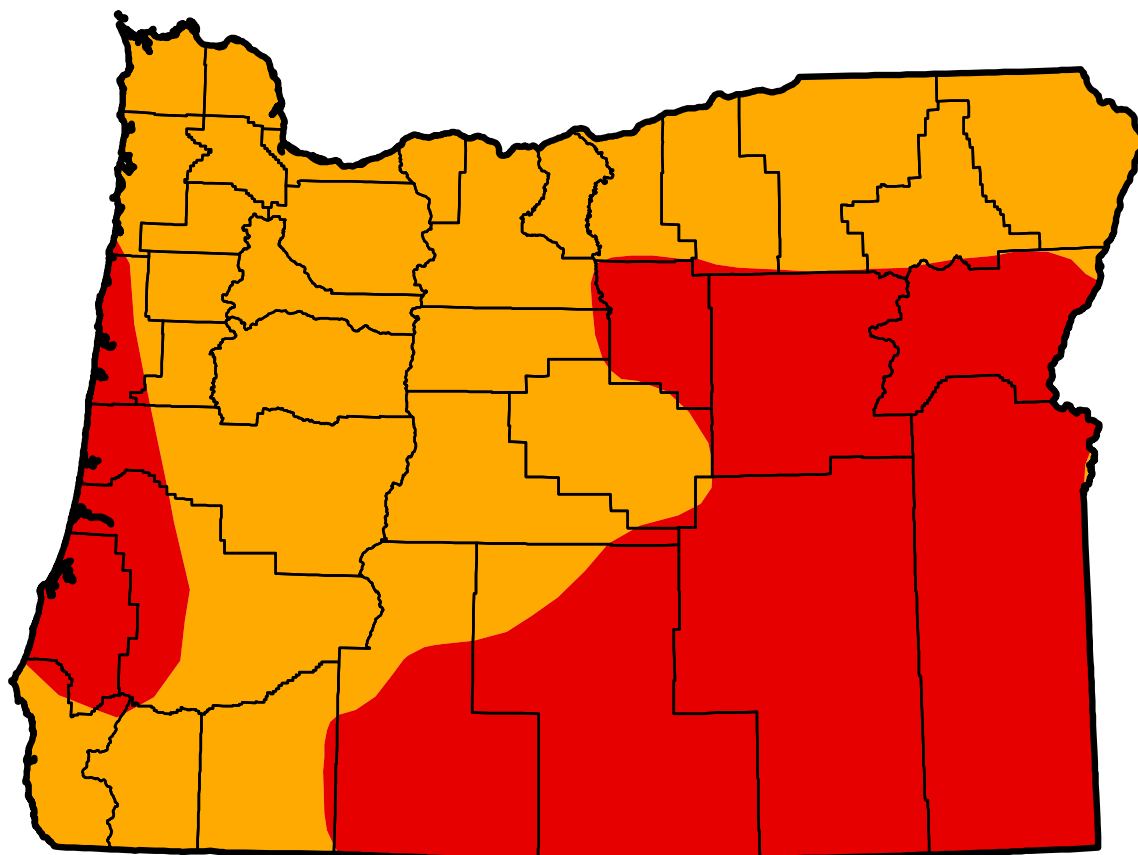
Intensity:

 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.

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NCEI/NOAA



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

menu

[About Us](#)[Contact Us](#)[News and Events](#)[Adjudications](#)[Commission](#)[Forms](#)[Ground Water](#)[Links](#)[Maps](#)[Publications](#)[Surface Water](#)[Water Law](#)[Water Management](#)[Water Rights](#)

DROUGHT

Drought Water Right Summary Report

Search Criteria

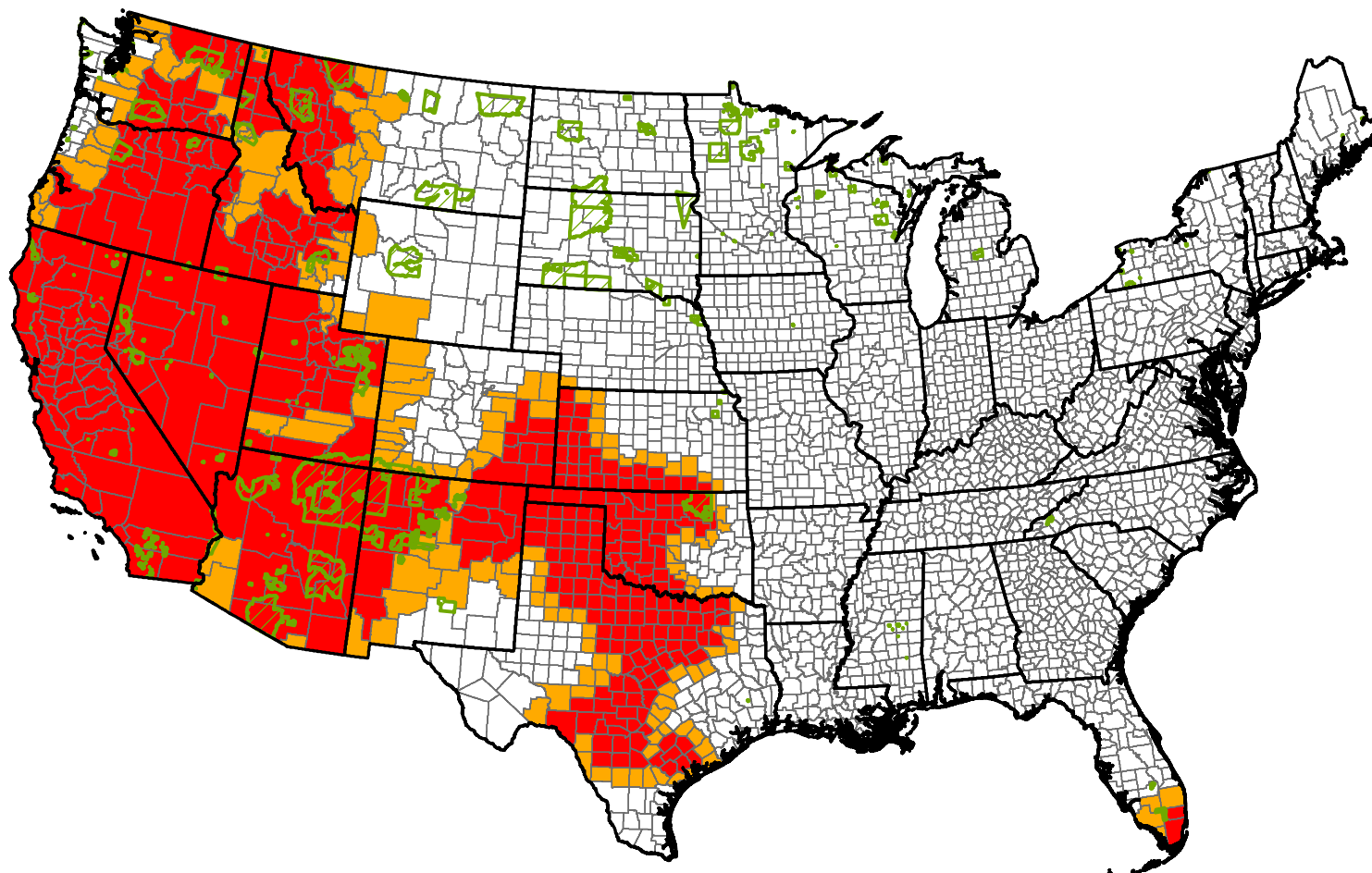
County:

Start Drought Year:

End Drought Year:






<u>Drought Year</u>	<u>County</u>	<u>Applications Rec'd</u>	<u>Applications Denied</u>	<u>Applications Approved</u>	<u>Acres Approved</u>	<u>Transfers Rec'd</u>	<u>Transfers Denied</u>	<u>Transfers Approved</u>
2015	Baker	0				2		1
2015	Crook	2	1	1	68.20	1		1
2015	Harney	2	1	1	372.60	2	1	
2015	Jackson	0				1		
2015	Klamath	38	1	37	21725.84	1		
2015	Lake	5		3	1454.40	2		1
2015	Lane	0				5		3
2015	Malheur	14		14	3818.52	4		4
2015	Morrow	1		1	32.70			
2015	Umatilla	0				1		
2015	Wasco	0				1		

2015 Secretarial Drought Designations - All Drought



Secretarial Drought Designations for 2015

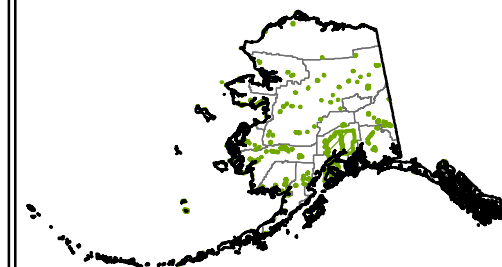
Disaster Incidents as of July 29, 2015

-  State Boundary
-  County Boundary
-  Tribal Lands
-  Primary Counties: 393
-  Contiguous Counties: 184



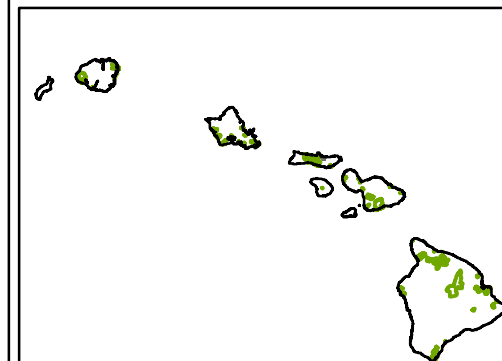
USDA Farm Service Agency
Production, Emergencies and Compliance Division
Washington, D.C.
July 29, 2015

1:23,520,203



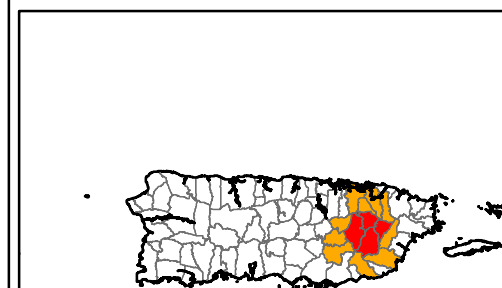
Alaska

1:58,102,399



Hawaii

1:19,740,053



Puerto Rico

1:5,592,808