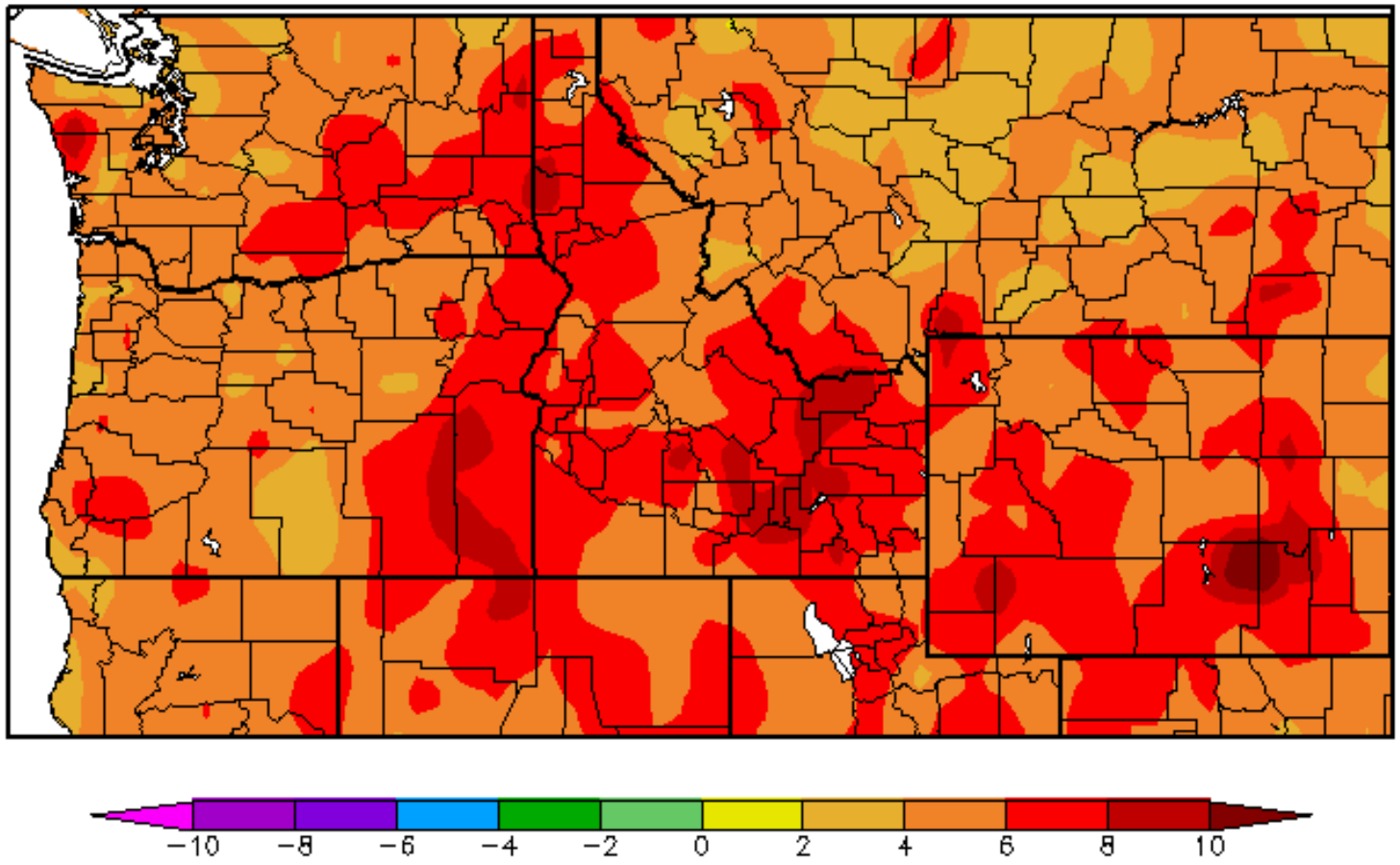
The Month In Review

October 2015

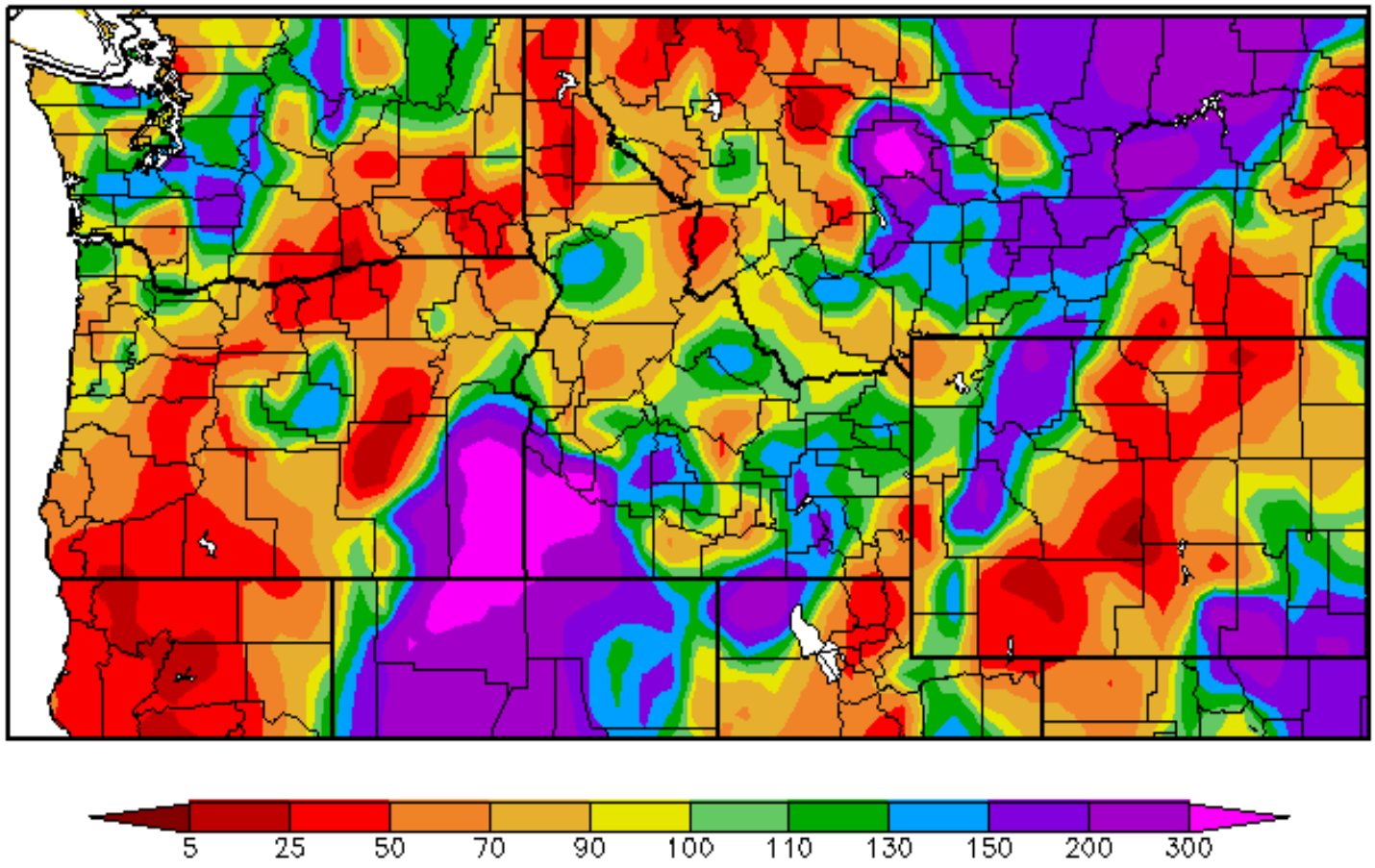
National Weather Service

Pendleton, Oregon

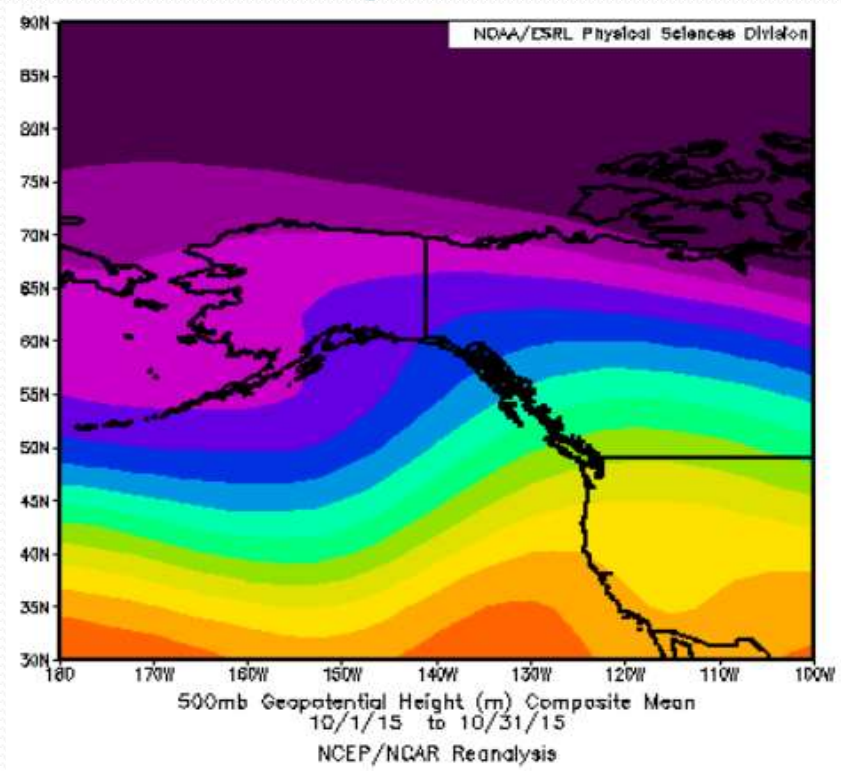
Departure From Normal Temperature (F)
10/1/2015 – 10/31/2015

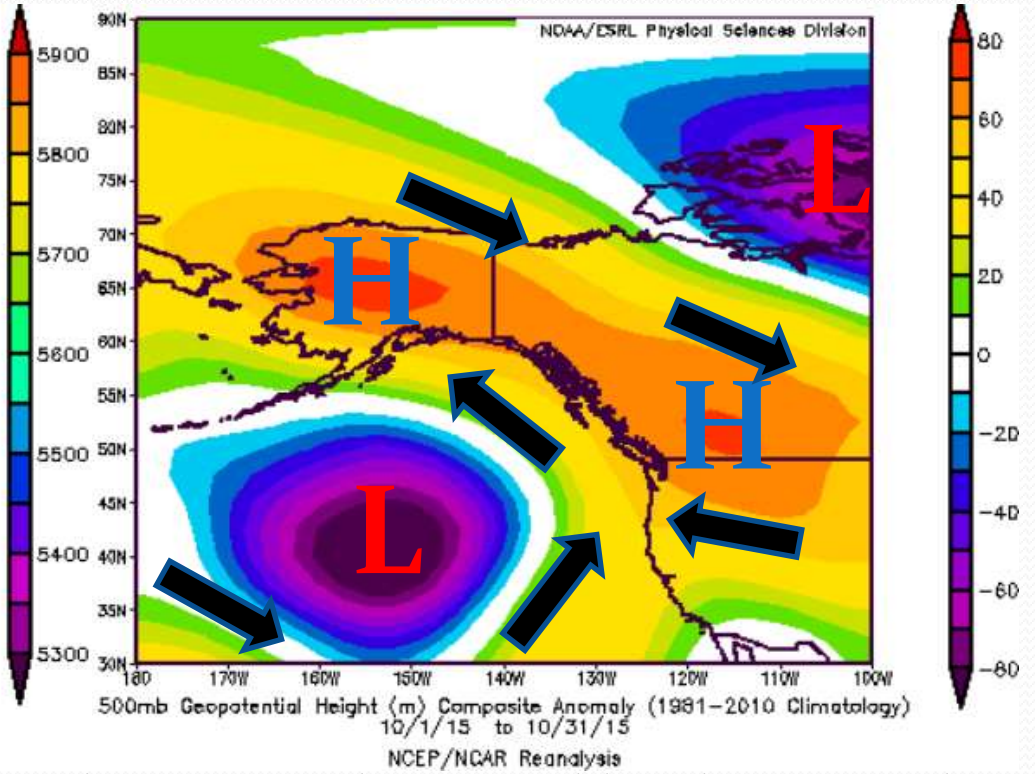


Percent of Normal Precipitation (%)
10/1/2015 - 10/31/2015



October 2015
Synoptic Weather Pattern





The mean synoptic pattern for the month of October 2015 was characterized by a large, anomalous trough south of Alaska with an upper level ridge extending from Alaska southeast to the Pacific Northwest and much of the west-central US. There was also an upper level low over north-central Canada which encouraged the development of the ridge over our area (between two upper level lows/troughs). This pattern allowed well above normal temperatures and variable precipitation amounts over our area. In general there was near to below average precipitation over the much of the region, while above average precipitation amounts prevailed for Central Oregon and the East slopes of the Washington Cascades.

Top 5 October Record Daily High Temperatures

City	Rank	Oct 2015 Max T	October Max T Record
Long Creek, OR	#1(T)	88 on 10/10	88 on 10/01/2011
Meacham, OR	#2(T)	82 on 10/16	84 on 10/01/2008
Dayville, OR	#3(T)	94 on 10/10	95 on 10/01/1992
Pasco, WA	#4	86 on 10/10	88 on 10/07/2014
Monument, OR	#4(T)	95 on 10/12	96 on 10/03/2011

Top 5 October Record Warmest Minimum Temperatures

City	Rank	Oct 2015 Min T	Warmest Oct Min T
Hermiston, OR	#1	59 on 10/07	55 on 10/01/2011
Redmond, OR	#1(T)	53 on 10/07	53 on 10/28/2012
Ellensburg, WA	#1(T)	58 on 10/07	58 on 10/01/1957
Walla Walla, WA	#2	61 on 10/07	65 on 10/14/1963
Bend, OR	#2	56 on 10/07	57 on 10/01/1906
Monument, OR	#2(T)	52 on 10/07	54 on 10/17/1988
Pendleton, OR	#3(T)	59 on 10/07	62 on 10/14/1963
Yakima, WA	#3(T)	56 on 10/07	57 on 10/21/2003
Pasco, WA	#4	56 on 10/30	59 on 10/11/2014
Dayville, OR	#4(T)	55 on 10/07	58 on 10/17/1988

Top 3 Record Warmest Average Low Temperatures for October

City	Rank	Oct 2015 Avg Min T	Warmest Oct Avg Min T Record
Yakima, WA	#1	43.5	42.5 in 2014
Walla Walla, WA	#2	48.8	49.7 in 2014
Ellensburg, WA	#2	40.4	43.5 in 2014
Hermiston, OR	#2	42.8	44.2 in 2014
Pasco, WA	#2	43.2	44.2 in 2014
Bickleton, WA	#2	44.8	46.3 in 1988
Bend, OR	#2	38.8	40.1 in 2014
Kennewick, WA	#2	48.2	49.2 in 2014

Top 3 Record Warmest Average Low Temperatures for October (Cont'd)

City	Rank	Oct 2015 Avg Min T	Warmest Oct Avg Min T Record
Moxee City, WA	#2	43.8	44.0 in 2014
Moro, OR	#2	42.7	43.1 in 2014
Prineville, OR	#2	38.3	41.3 in 2014
Prosser, WA	#2	46.3	47.0 in 2014
The Dalles, OR	#3	46.9	48.3 in 2014
Arlington, OR	#3	46.6	52.1 in 1903
Heppner, OR	#3	43.7	45.3 in 2014
La Grande, OR	#3	39.6	41.0 in 2014
Richland, WA	#3	47.2	47.7 in 1947
Sisters, OR	#3	33.1	35.2 in 2003

Top 5 Record Warmest Average Max Temperatures for October

City	Rank	Oct 2015 Avg Max T	Warmest Oct Avg Max T Record
Hermiston, OR	#1	71.0	70.8 in 2014
Pasco, WA	#1	71.5	70.8 in 2003
Meacham, OR	#2	64.8	66.6 in 1952
Yakima, WA	#2	72.3	73.7 in 1952
Prosser, WA	#2	71.8	72.0 in 1952
Ellensburg, WA	#3	68.4	69.4 in 1952
La Grande, OR	#3	69.5	71.4 in 1987
The Dalles, OR	#4	71.9	75.2 in 1988
Arlington, OR	#4	71.4	75.8 in 1952
Long Creek, OR	#4	68.7	71.0 in 1988

Top 5 Record Warmest Average Temperatures for October

City	Rank	Oct 2015 Avg T	Warmest Oct Avg T Record
Yakima, WA	#1	57.9	55.7 in 1952
Prosser, WA	#1	59.1	58.3 in 2003
Pasco, WA	#1(T)	57.3	57.3 in 2014
The Dalles, OR	#2	59.4	61.1 in 1988
Ellensburg, WA	#2	54.2	55.0 in 2014
Hermiston, OR	#2	56.9	57.5 in 2014
La Grande, OR	#2	54.5	54.7 in 1965
Kennewick, WA	#2	59.8	59.9 in 2014
Bend, OR	#3	53.7	54.0 in 1988
Goldendale, WA	#3	57.2	55.3 in 1944
Moxee City, WA	#3	58.7	56.4 in 1988

Top 5 Record Warmest Average Temperatures for October (Cont'd)

City	Rank	Oct 2015 Avg T	Warmest Oct Avg T Record
Prineville, OR	#3	54.7	55.9 in 2014
Long Creek, OR	#3	53.0	55.4 in 1988
Pelton Dam, OR	#3	57.2	60.8 in 1988
Walla Walla, WA	#4	58.7	59.9 in 2014
Arlington, OR	#4	59.0	60.1 in 1952
John Day, OR	#4	53.1	57.6 in 1988
Moro, OR	#4(T)	55.0	56.2 in 1988
Richland, WA	#4	58.5	60.1 in 1952
Sisters, OR	#4	49.7	55.3 in 1988
Grizzly, OR	#5	51.0	

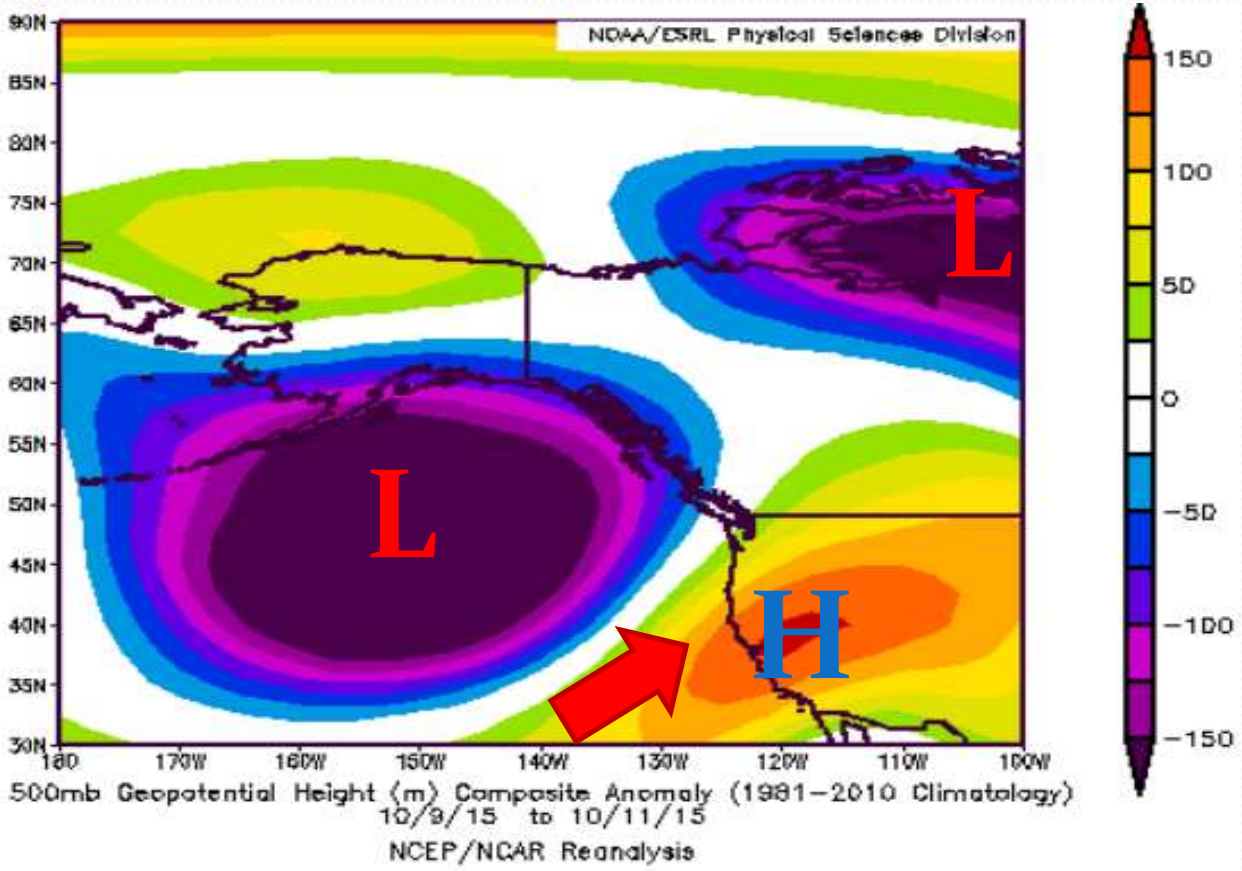
Top 10 Daily October Precipitation Records

City	Rank	Oct 2015 Precipitation	Highest Daily Oct Precipitation
Easton, WA	#1	2.30" on 10/31	2.02" on 10/10/1950
Hermiston, OR	#1	0.75" on 10/31	0.74" on 10/10/2000
Dayville, OR	#9	0.42" on 10/18	1.15" on 10/29/1982

October
Significant Weather

October 10 – 11th
Unusually Warm Weather

Location	Max T Oct 10th
Monument, OR	95
Dayville, OR	94
La Grande ,OR	86
Hermiston, OR	83
Pasco, WA	86
Pendleton, OR	86
Redmond, OR	81
Yakima, WA	80
Walla Walla	83
John Day, OR	86
Dayton, WA	80
Heppner, OR	81



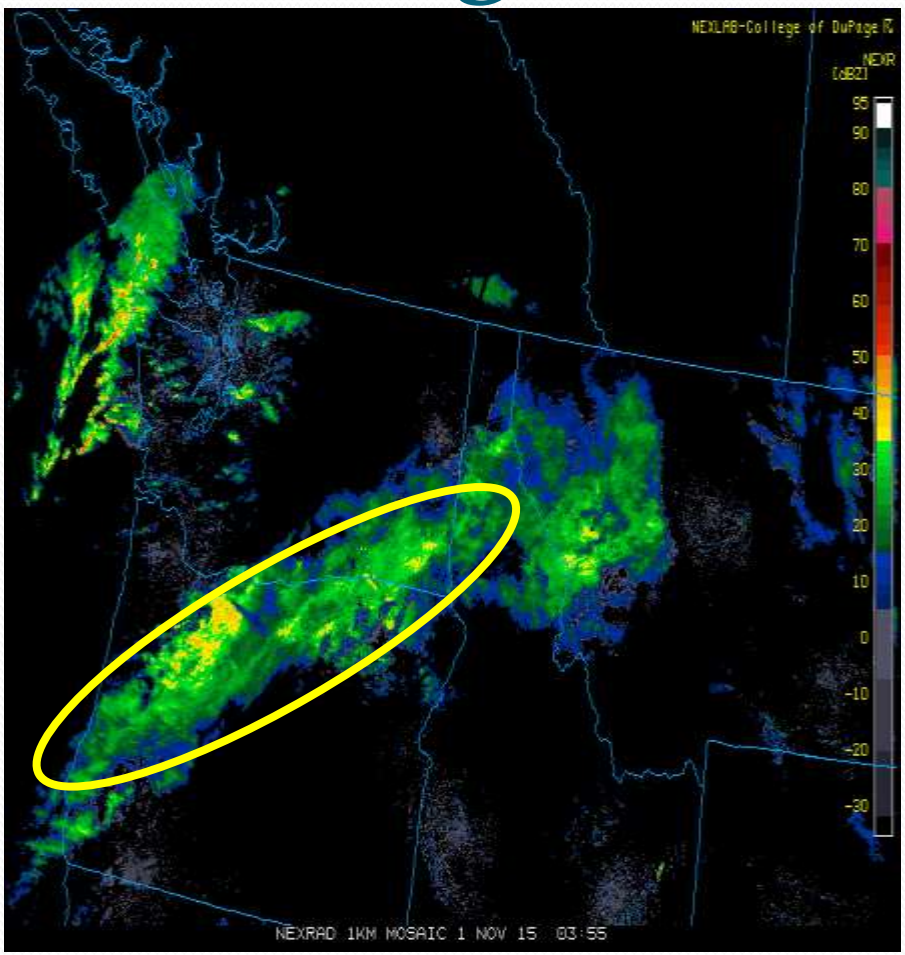
A large upper level low pressure system developed in the Gulf of Alaska and combined with an upper level ridge which was centered just south of our area to create a warm southwesterly flow. With the ridge of high pressure centered very close by skies remained mainly clear and temperatures soared to record or near record levels.

October 25 – 29th Cooler & Unsettled

Location	Maximum Temperature	5 Day Rain Totals
Walla Walla	53	0.18”
Meacham	49	0.88”
The Dalles	55	0.47”
Ellensburg	53	0.30”
Hermiston	56	0.08”
Pendleton	53	0.30”
Pasco	55	0.09”
Yakima	58	0.22”
Arlington	57	0.06”
Bend	56	0.08”
Cle Elum	49	0.47”
Goldendale	51	0.19”

A series of weather disturbances and fronts moved through the area from the 25th of October through the 29th. These weather systems brought cooler temperatures, breezy weather and periods of light rain to the area. Rainfall amounts generally ranged from 0.05” – 0.50” in the lower elevations with between 0.75 – 1.00 inch in the mountains. Temperatures fell back to near or slightly below average levels.

October 30 – 31st Windy, Patchy Blowing Dust and Moderate Rain



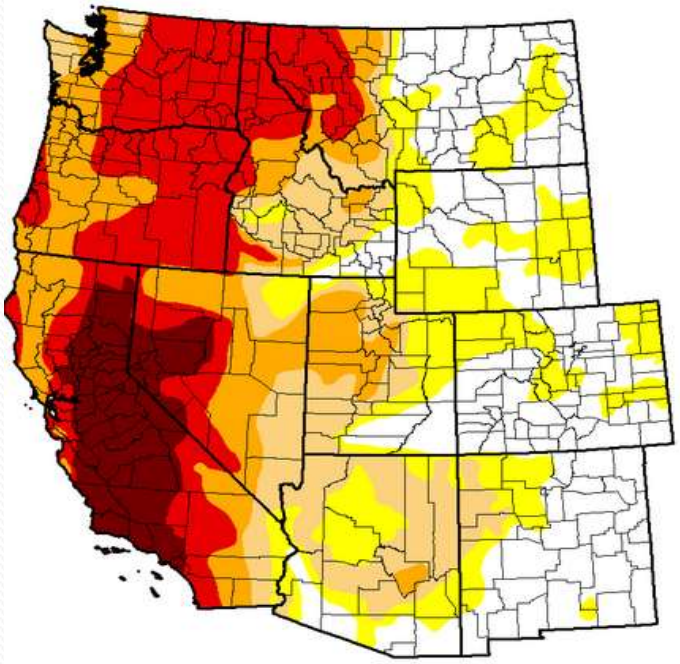
(Above) Radar image from 8:55 PM October 31st 2015 showing an area of moderate rain working it's way south through the area with a cold front. This made for a wet trick-or-treating time for many.

Location	Peak Wind Gust	48 hr. Precip Totals
Walla Walla	47	1.08"
Meacham	16	1.39"
The Dalles	39	0.38"
Ellensburg	33	0.26"
Hermiston	43	0.79"
Pendleton	46	0.44"
Pasco	49	0.20"
Redmond	35	0.24"
Yakima	41	0.06"
Arlington	40	0.06"
Dayton	43	0.32"
Easton	32	2.90"
Goldendale	50	0.09"
Heppner	55	0.10"
Madras	49	0.00"

Ongoing Drought Conditions

U.S. Drought Monitor

West



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October 27, 2015

(Released Thursday October 29, 2015)

Valid 8 a.m. EDT

Statistics type: Traditional Percent Area Export table: PNG CSV XLS

Week	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current 2015-10-27	26.79	73.21	55.42	41.21	26.23	7.62
Last Week 2015-10-20	22.91	77.09	56.07	41.32	26.23	7.62
3 Months Ago 2015-07-28	26.53	73.47	60.09	42.99	22.24	7.17
Start of Calendar Year 2014-12-30	34.76	65.24	54.48	33.50	18.68	5.40
Start of Water Year 2015-09-29	22.77	77.23	57.81	42.42	26.50	7.62
One Year Ago 2014-10-28	34.52	65.48	55.05	34.64	19.08	8.90

Estimated Population in Drought Areas: **57,218,912** View More Statistics

Intensity:

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

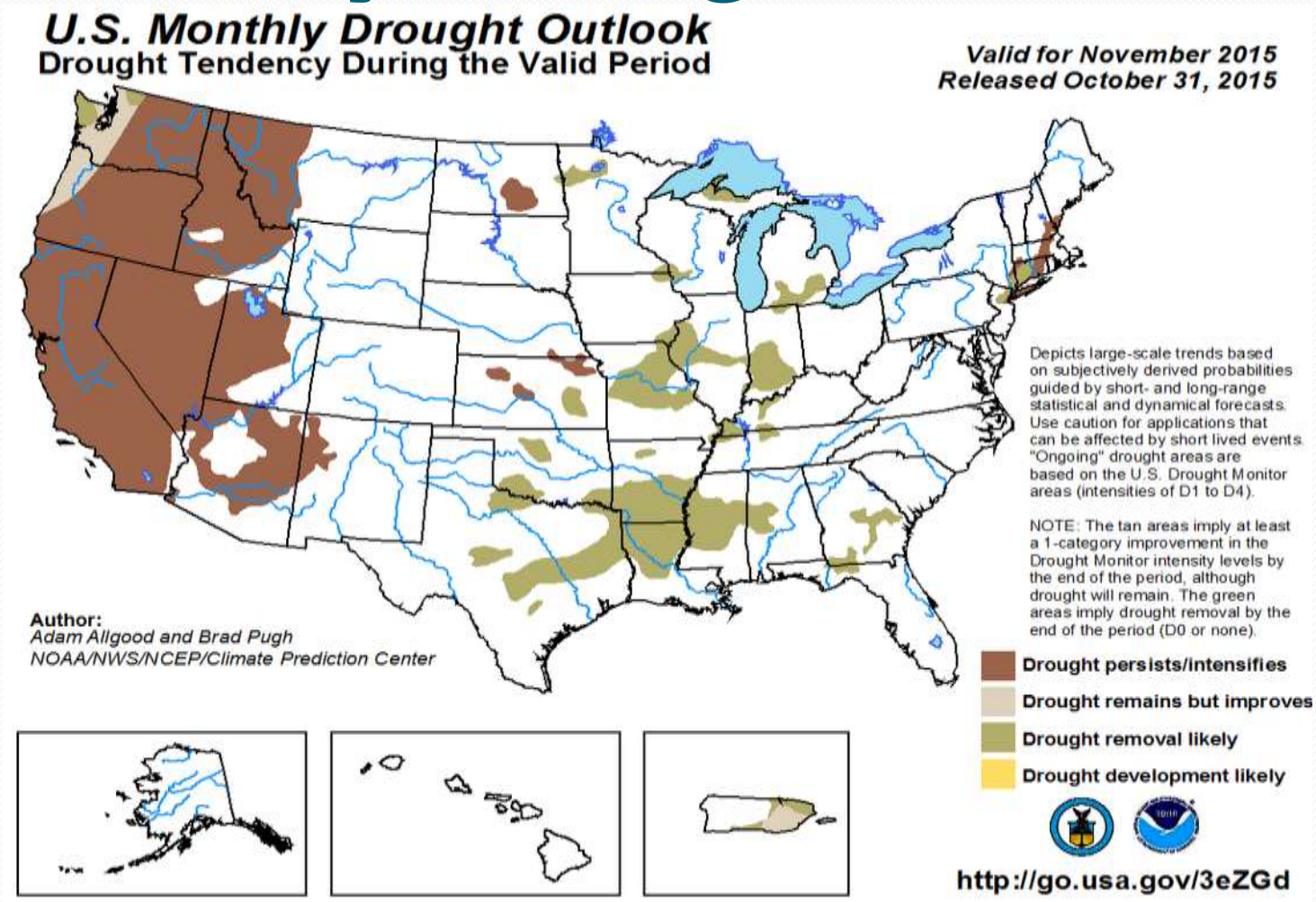
The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.

Author(s):

Brad Rippey, U.S. Department of Agriculture

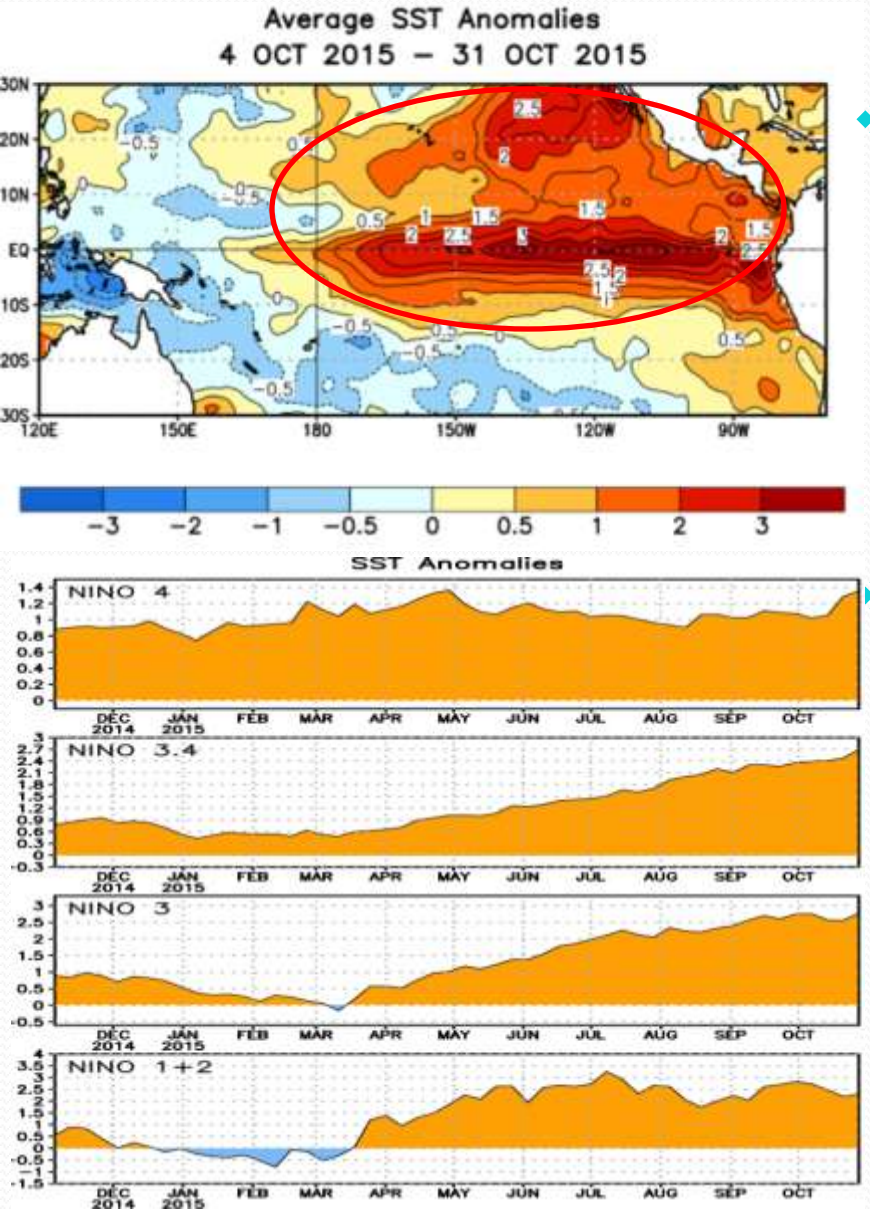
Extreme drought (D3) continues over much of Northeastern Oregon and Southeastern Washington, which was exacerbated by another dry month. Parts of Deschutes & Crook Counties continue with D2 (severe drought) status.

Monthly Drought Outlook



The monthly drought outlook from CPC indicates drought persisting or intensifying for much of our area. The only exception is along the East slopes of the Washington Cascades where some improvement is forecast.

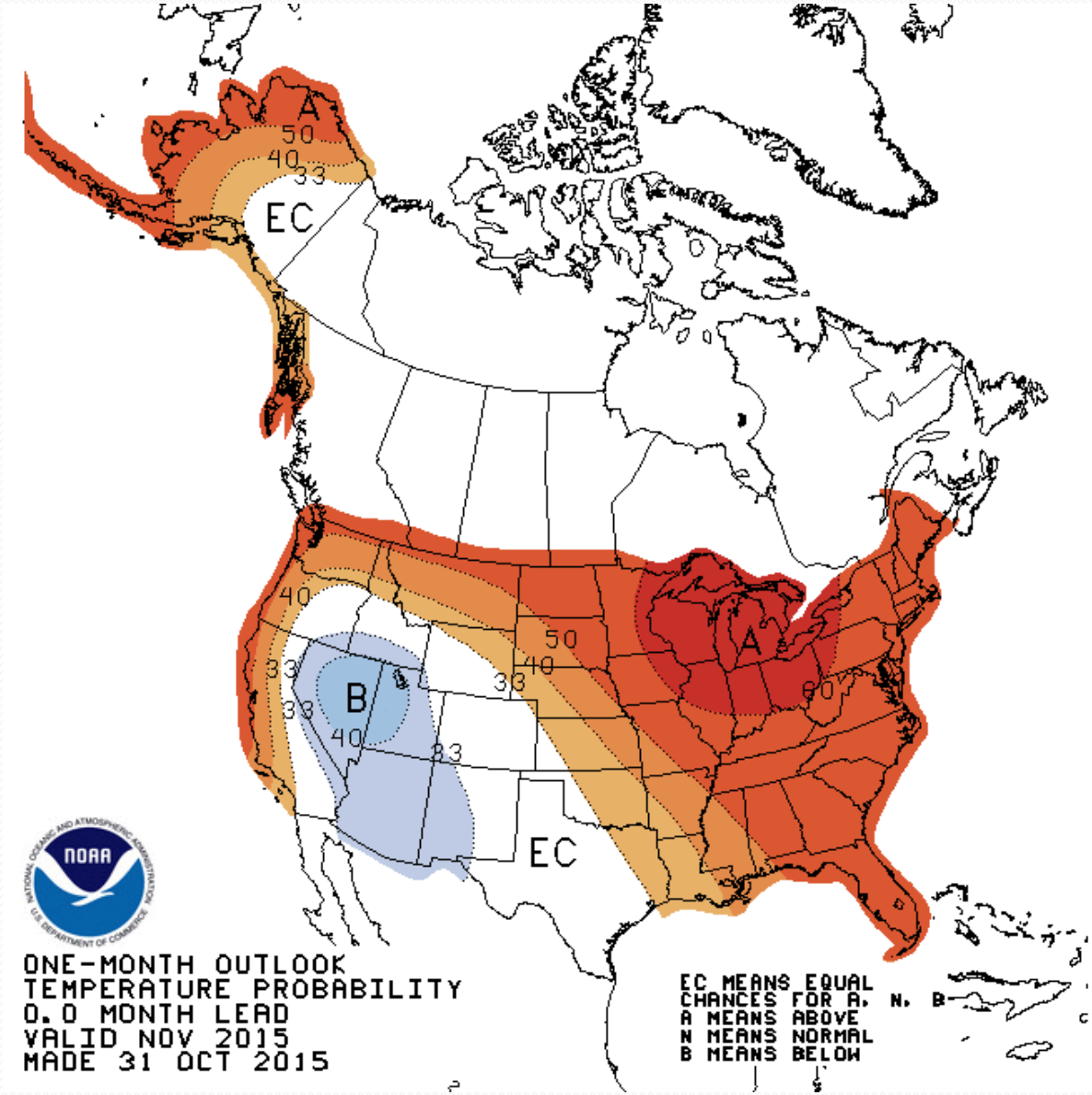
El Niño Advisory Continues



- An El Niño Advisory has been issued by the Climate Prediction Center, with the warmest temperatures noted off the South American coast along the Equator. **El Niño conditions are present**
- The Climate Prediction Center has stated that there is approximately a 95% chance that El Niño conditions will continue through the Northern Hemisphere winter before gradually weakening heading into Spring 2016.

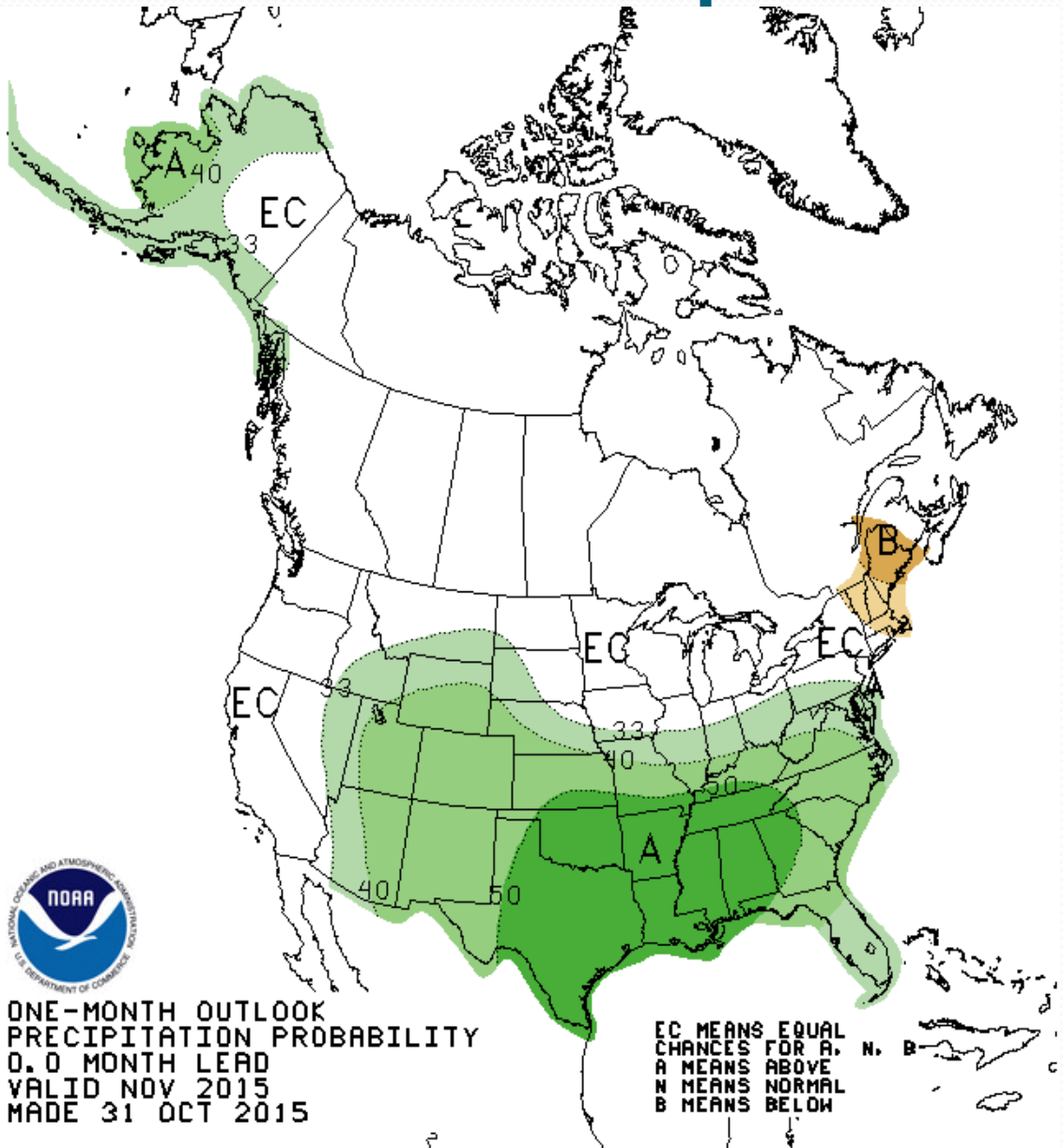
November Outlook

November Temperature Outlook



This graphic is issued by the Climate Prediction Center or CPC and is the Temperature Outlook for the month of November. The cool colors indicate a greater chance of below normal temperatures and the warm colors represent a greater chance of above normal temperatures. The time period for the normals runs from 1981-2010. Most of the Inland Pacific Northwest has a 34 – 40 percent chance for above average in the month of November, except in eastern Oregon where there is equal chances for above, below or near normal temperatures.

November Precipitation Outlook



This graphic is CPC's Precipitation Outlook for the month of November. The green colors represent a greater chance of above normal precipitation, and the brown colors represent a greater chance of below normal precipitation. Much of the Pacific NW has an equal chance to see above, below or near normal precipitation amounts in November. Please remember that these are probabilities of averages, and that the day-to-day weather will still vary for the month .

Thank You!