



The Month In Review

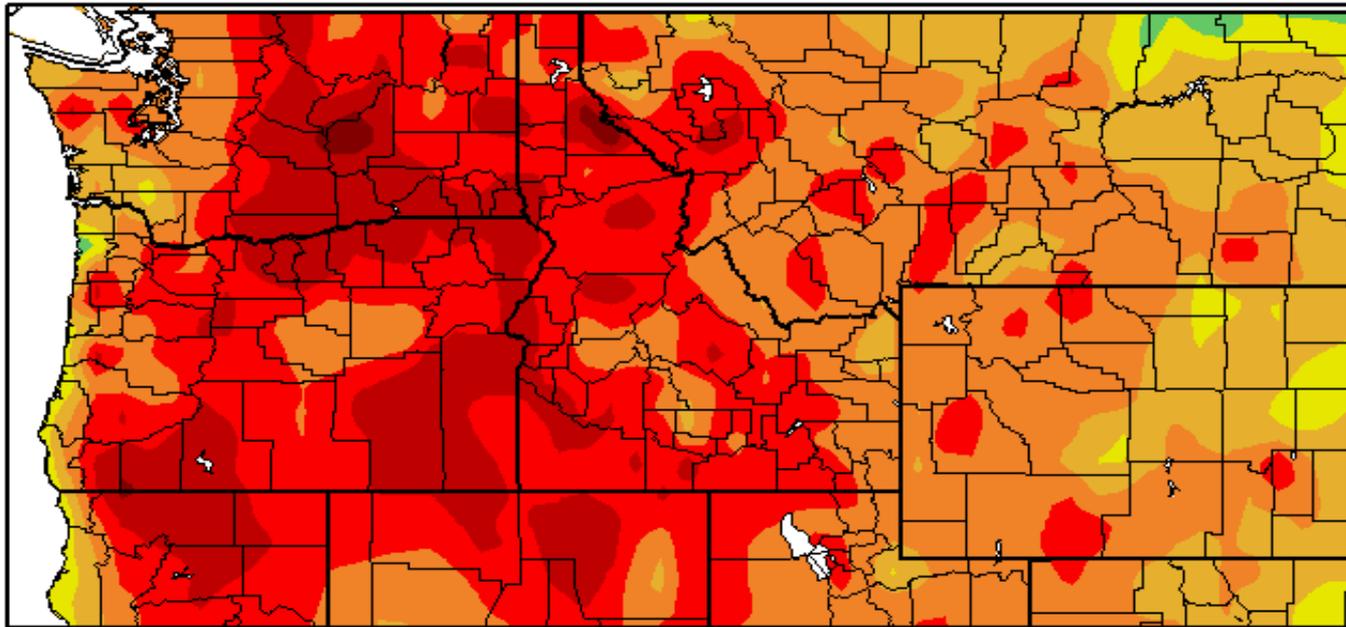
June 2015

National Weather Service
Pendleton, Oregon

Departure from Normal Temperature (F)

6/1/2015 – 6/30/2015

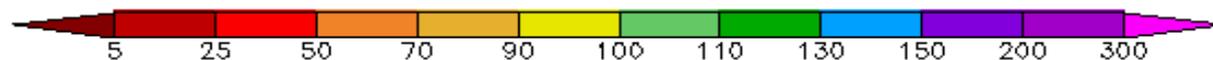
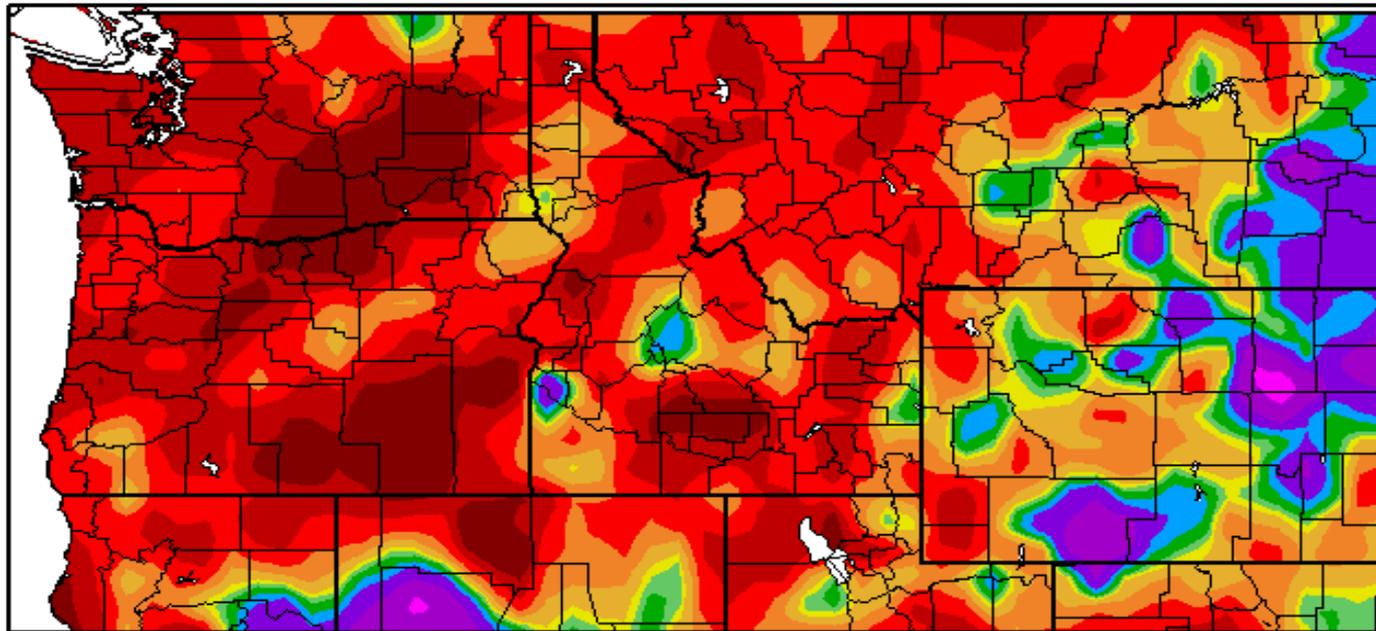
Departure from Normal Temperature (F)
6/1/2015 – 6/30/2015



Percent of Normal Precipitation (%)

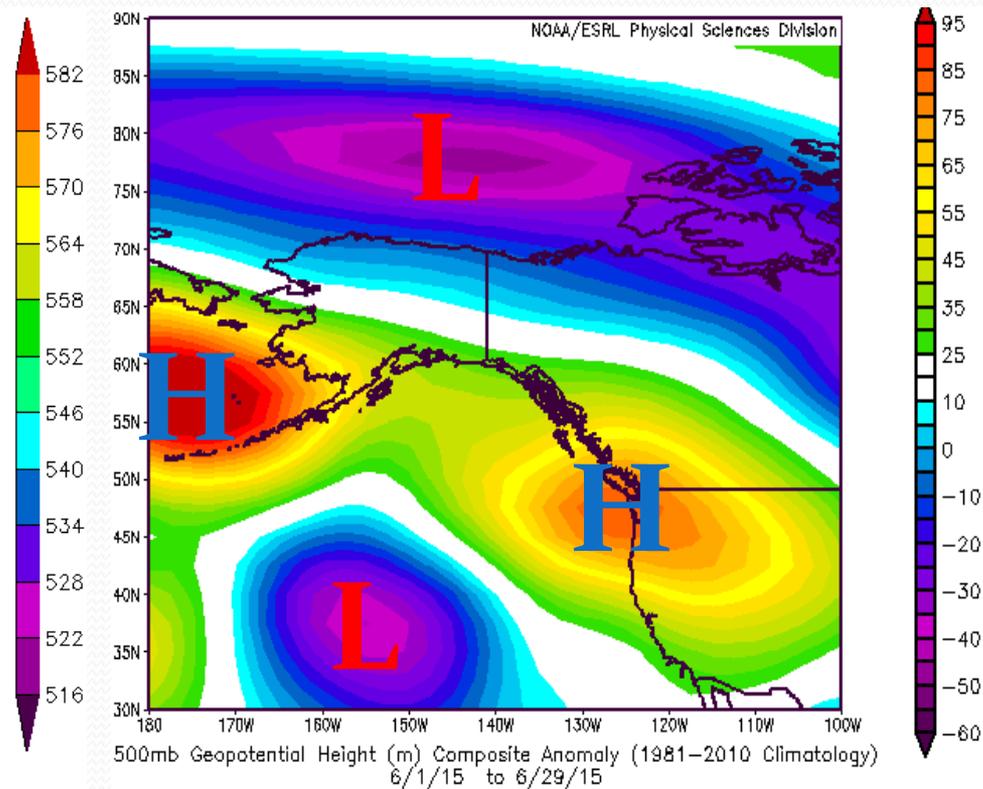
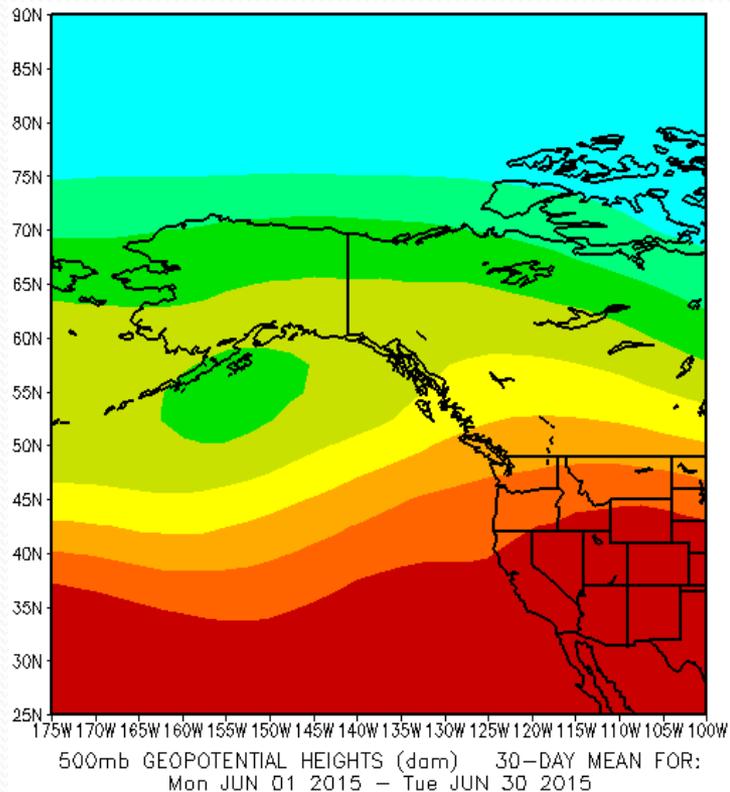
6/1/2015 - 6/30/2015

Percent of Normal Precipitation (%)
6/1/2015 - 6/30/2015



June 2015

Synoptic Weather Pattern



The mean synoptic pattern for the month of June 2015 was characterized by an anomalous ridge of high pressure over the Pacific Northwest. There was a stronger ridge up over the Bering Sea with an undercutting trough out in the Pacific well west of the California coast.



Top 10 Highest Temperatures of All Time

City	Rank	June 2015 Max T	Highest Temperature Ever On Record
Hermiston, OR	#1	111 on 6/27	110 on 8/4/1998
Ellensburg, WA	#1	108 on 6/27	107 on 6/28/2015
Bickleton, WA	#1	108 on 6/27	102 on 8/4/1962
Satus Pass, WA	#1(T)	108 on 6/28	103 on 7/23/2006
Yakima, WA	#3	103 on 6/28	110 on 8/10/1971
Walla Walla, WA	#3(T)	108 on 6/27 & 28	114 on 7/10/1975
Dayton, WA	#3(T)	109 on 6/29	114 on 8/5/1961
Meacham	#4	101 on 6/28	105 on 8/4/1961
Goldendale, WA	#7	106 on 6/28	110 on 7/27/1998



All-Time June Record High Temperatures

City	Rank	June 2015 Max T	Previous June Max T Record
Hermiston, OR	#1	111 on 6/27	107 on 6/28/2015
Walla Walla, WA	#1	113 on 6/28	107 on 6/23/1992
Meacham, OR	#1	101 on 6/28	93 on 6/16/1961
The Dalles, OR	#1	108 on 6/26	108 on 6/22/1992
Ellensburg, WA	#1	108 on 6/27	107 on 6/28/2015
Pendleton, OR	#1	109 on 6/27 & 28	108 on 6/17/1961
Yakima, WA	#1	108 on 6/27 & 6/28	105 on 6/23/1992
Antelope, OR	#1	104 on 6/27	103 on 6/16/1961
Bickleton, WA	#1	108 on 6/28	102 on 6/29/2015



All-Time June Record High Temperatures (Cont'd)

City	Rank	June 2015 Max T	Previous June Max T Record
Grizzly, OR	#1	99 on 6/27	98 on 6/23/1998
Moro, OR	#1	105 on 6/28	102 on 6/27/2015
Pendleton Exp Sta.	#1	108 on 6/28 & 29	105 on 6/17/1961
Pendleton (City)	#1	109 on 6/28 & 29	108 on 6/30/1924
Satus Pass, WA	#1	103 on 6/28	99 on 6/09/2015
Whitman Mission	#1	107 on 6/28	104 on 6/17/1999
Long Creek, OR	#1	101 on 6/28	98 on 6/27/2015
La Grande, OR	#1(T)	100 on 6/27 & 28	100 on 6/24/1992
Prineville, OR	#1(T)	102 on 6/28	102 on 6/23/1992



All-Time June Record

Warm Minimum Temperatures

City	Rank	June 2015 Min T	Previous Warmest June Min T
Hermiston, OR	#1	75 on 6/29	68 on 6/30/2004
Walla Walla, WA	#1	77 on 6/29	75 on 6/25/1992
The Dalles, OR	#1	75 on 6/28	74 on 6/21/1970
Ellensburg, WA	#1	68 on 6/09,28,29,30	67 on 6/23/1958
Pendleton, OR	#1	74 on 6/29	73 on 6/25/1992
Redmond, OR	#1	71 on 6/27	64 on 6/25/1992
Yakima, WA	#1	75 on 6/29	73 on 6/20/1992
Moro, OR	#1	74 on 6/28	73 on 6/21/1992
Sisters, OR	#1	62 on 6/28	61 on 6/28/2006



New Record Warm Average Low Temperatures for June

City	Rank	June 2015 Avg Min T	June Avg Min T Record
Walla Walla, WA	#1	62.8	59.0 in 1982
Ellensburg, WA	#1	57.3	55.1 in 1958
The Dalles, OR	#1	62.1	59.0 in 1958
Hermiston, OR	#1	57.5	53.9 in 2009
Yakima, WA	#1	57.2	54.8 in 1948
Bickleton, WA	#1	54.9	52.7 in 1986
Bend, OR	#1	49.3	45.4 in 1936
Cle Elum, WA	#1	53.2	51.5 in 1992
Condon, OR	#1	52.0	50.4 in 1970



New Record Warm Average Low Temperatures for June (Cont'd)

City	Rank	June 2015 Avg Min T	June Avg Min T Record
Heppner, OR	#1	54.9	53.6 in 1970
Kennewick, WA	#1	63.2	60.0 in 1992
La Grande, OR	#1	53.8	53.3 in 1992
Moro, OR	#1	54.7	53.2 in 1992
Prineville, OR	#1	48.9	46.4 in 2013
Richland, WA	#1	60.6	60.2 in 1958
Long Creek, OR	#1	46.4	45.4 in 1982
Pelton Dam, OR	#1	54.6	51.3 in 2003



New Record Warm Average High Temperatures for the Month of June

City	Rank	June 2015 Avg Max T	June Avg Max T Record
Hermiston, OR	#1	91.9	85.2 in 2003
Walla Walla, WA	#1	90.3	87.5 in 1992
Meacham, OR	#1	78.6	73.6 in 1961
The Dalles, OR	#1	90.0	86.6 in 1977
Ellensburg, WA	#1	88.7	82.5 in 2004
Pendleton, OR	#1	89.3	87.7 in 1961
Redmond, OR	#1	85.0	82.8 in 1974
Yakima, WA	#1	92.5	85.9 in 1961
Antelope, OR	#1	86.7	84.0 in 1940



New Record Warm Average High Temperatures for June (Cont'd)

City	Rank	June 2015 Avg Max T	June Avg Max T Record
Cle Elum, WA	#1	83.0	81.7 in 1958
Goldendale, WA	#1	86.2	84.2 in 1918
Heppner, OR	#1	86.2	84.0 in 1961
Kennewick, WA	#1	91.8	91.6 in 1961
La Grande, OR	#1	84.7	83.5 in 1974
Moro, OR	#1	84.4	82.5 in 1922
Sisters, OR	#1	84.5	83.4 in 1986
Satus Pass, WA	#1	84.6	80.4 in 1987
Umatilla, OR	#1	85.6	83.1 in 1961



New Record Warm Average Temperatures for the Month of June

City	Rank	June 2015 Avg T	June Avg T Record
Walla Walla, WA	#1	76.6	73.0 in 1992
The Dalles, OR	#1	76.1	72.6 in 1977
Yakima, WA	#1	74.9	70.1 in 1948
Ellensburg, WA	#1	73.0	67.6 in 1958
Kennewick, WA	#1	77.5	75.0 in 1961
Hermiston, OR	#1	74.7	68.7 in 2009
Cle Elum, WA	#1	68.1	65.4 in 1958
La Grande, OR	#1	69.3	67.4 in 1992
Moro, OR	#1	69.5	67.1 in 1992



New Record Warm Average Temperatures for the Month of June (Cont'd)

City	Rank	June 2015 Avg T	June Avg T Record
Pendleton, OR	#1	72.8	71.6 in 1961
Redmond, OR	#1	65.8	63.9 in 1986
Antelope, OR	#1	67.6	67.2 in 1974
Arlington, OR	#1	76.7	76.3 in 1986
Bickleton, WA	#1	67.2	66.9 in 1992
Bend, OR	#1	65.8	65.1 in 1918
Condon, OR	#1	68.0	65.0 in 1926
Goldendale, WA	#1	68.5	66.5 in 1918
Heppner, OR	#1	70.6	68.4 in 1992



Top 2 Driest Junes On Record

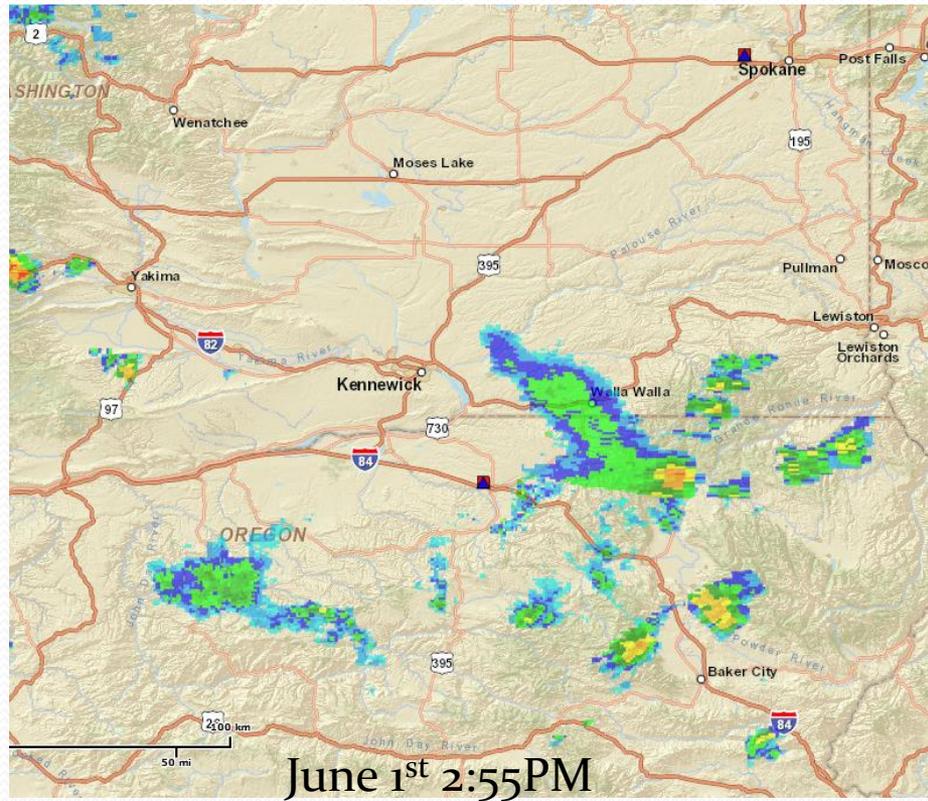
City	Rank	June 2015 Precipitation	Lowest June Precipitation
Kennewick, WA	#1(T)	0.00 Inches	0.00 Inches in 1919
Heppner, OR	#1	0.01 Inches	0.02 Inches in 2003
Walla Walla, WA	#1	0.03 Inches	0.03 Inches in 2003
Richland, WA	#1(T)	0.00 Inches	0.00 Inches in 2003
Goldendale, WA	#1(T)	0.00 Inches	0.00 Inches in 2009
The Dalles, OR	#2(T)	Trace	0.00 Inches in 1962
Ellensburg, WA	#2	0.04 Inches	0.00 Inches in 1940



June

Significant Weather

June 1st and June 28th Severe Weather Events



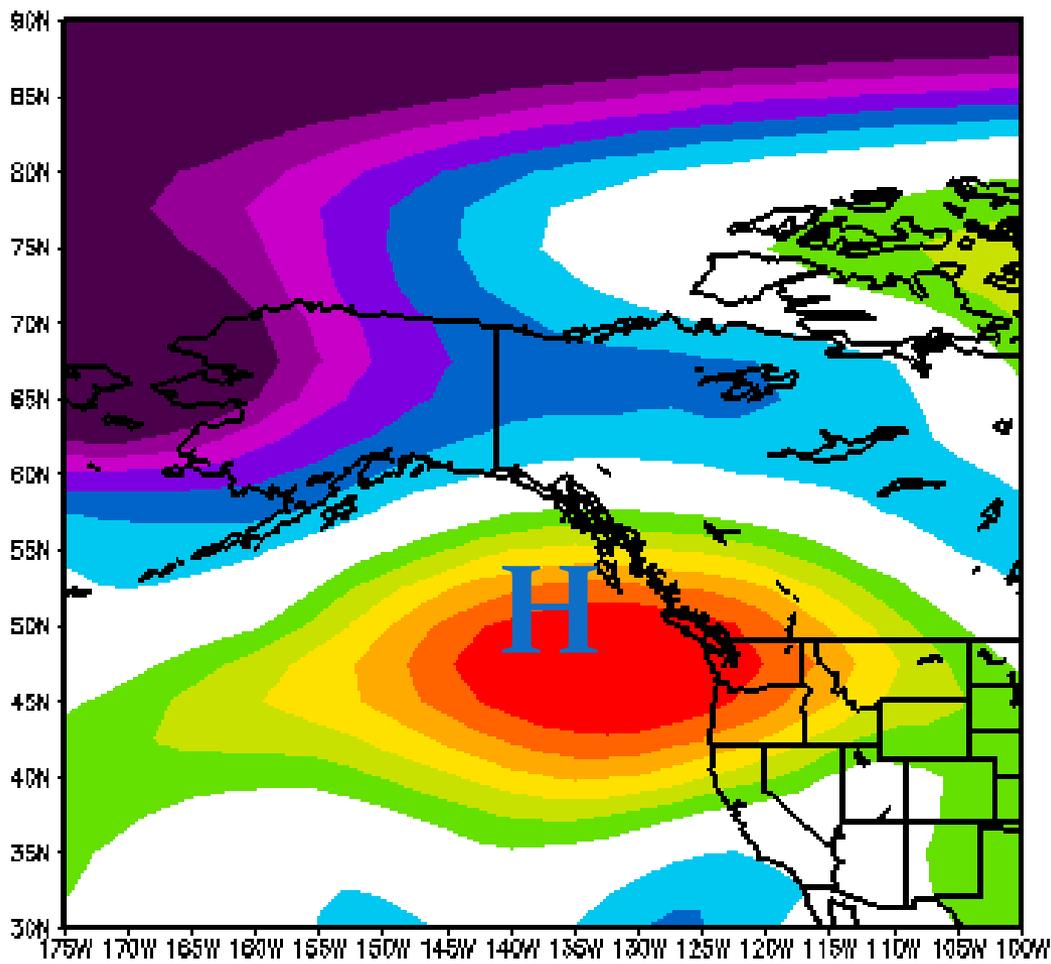
June 1st Storm Reports

1.50 inch hail SE Meacham, OR
1.00 inch hail 9W La Grande, OR
1.00 inch hail 3N Elgin, OR

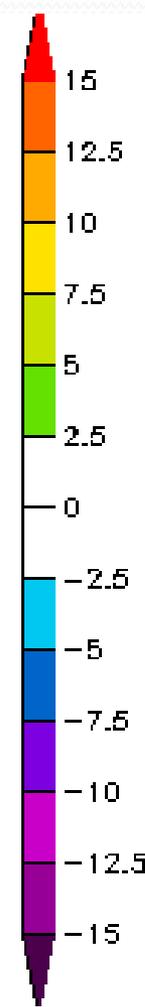
June 28th Storm Reports

69.9 MPH wind Near Dayville, OR
65.0 MPH wind Milton-Freewater, OR
61.0 MPH wind at Juniper Dunes, WA

June 7-9th Early Heatwave

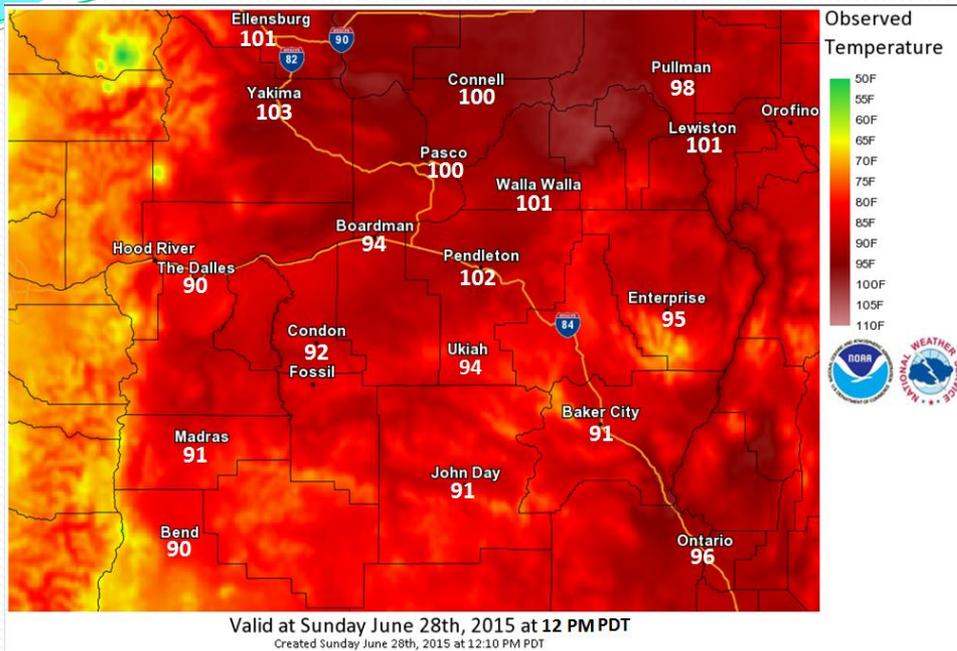


500mb GEOPOTENTIAL HEIGHTS (dam) 05-DAY ANOMALY FOR:
Sat JUN 06 2015 - Wed JUN 10 2015

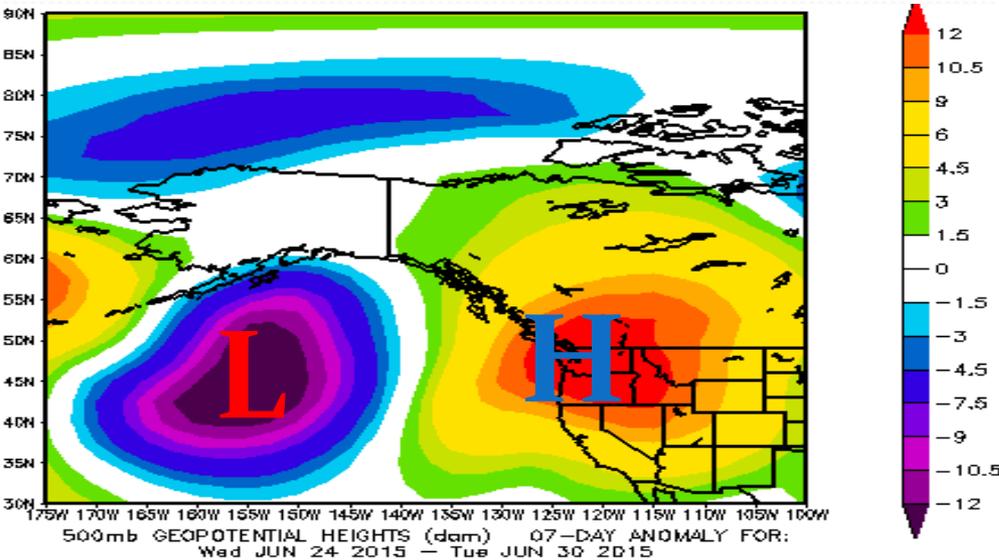


This was the first in a series of June Heat Waves. Several locations topped 100 degrees for the first time this year. Yakima reached 105 degrees, which briefly tied for the hottest June temperature recorded...until later in the month when this record was again topped. The image to the right shows the large, expansive upper level ridge centered over the Pacific Northwest which was responsible for this hot weather.

June 25th – 30th Extreme Heat



This was a very impressive June Heat wave. It was a similar setup as the hot weather experienced earlier in the month as an upper level ridge again setup over the Pacific NW. The upper image shows noon temperatures on June 28th, with many locations already breaking 100 degrees! This extreme heat event occurred across the region from June 25th through the end of the month. During this period multiple daily, month and even all-time records were set for both minimum and maximum temperatures. Through the combination of these two heat events and the general mild temperatures throughout the month many locations saw their warmest June on record.



Ongoing Drought Conditions

U.S. Drought Monitor West

June 30, 2015
(Released Thursday July 2, 2015)
Valid 8 a.m. EDT

Statistics type: Traditional Percent Area Export table:   

Week	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current 2015-06-30	23.90	76.10	60.38	39.01	17.13	7.26
Last Week 2015-06-23	23.93	76.07	57.86	35.88	17.13	7.26
3 Months Ago 2015-03-31	28.49	71.51	59.80	36.89	17.04	7.23
Start of Calendar Year 2014-12-30	34.76	65.24	54.48	33.50	18.68	5.40
Start of Water Year 2014-09-30	31.48	68.52	55.57	35.65	19.95	8.90
One Year Ago 2014-07-01	31.10	68.90	60.14	47.98	23.59	6.10

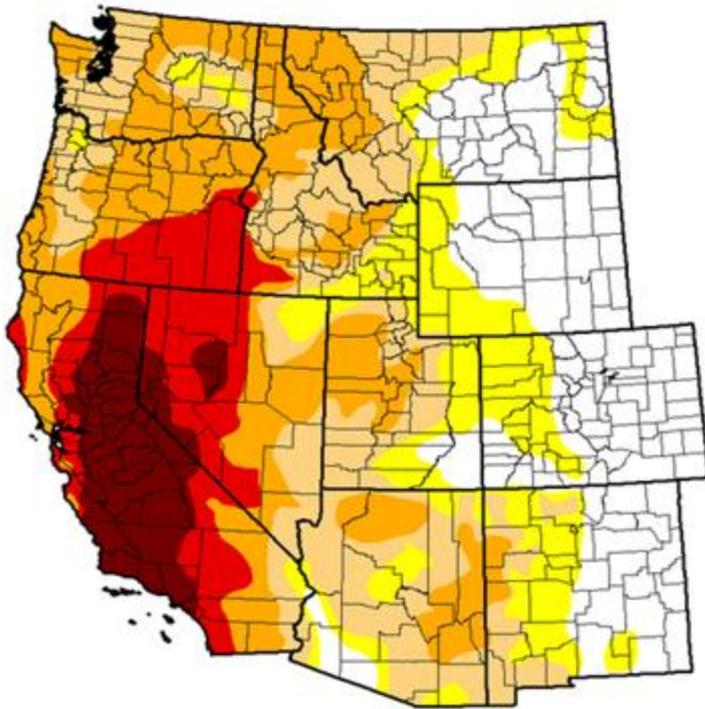
Population Affected by Drought: **58,189,035**

[View More Statistics](#)

Intensity:

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

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



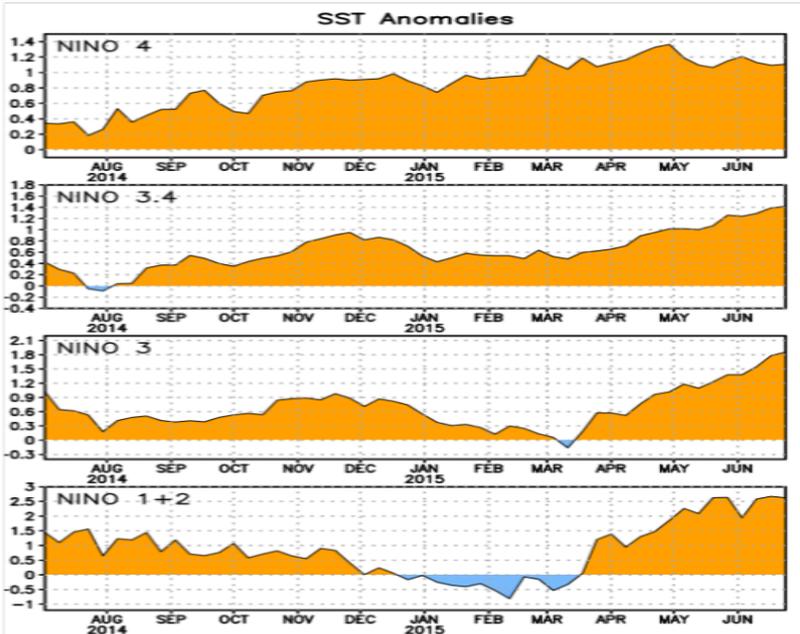
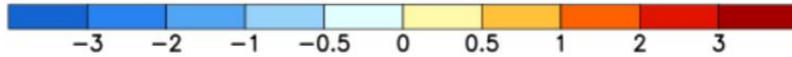
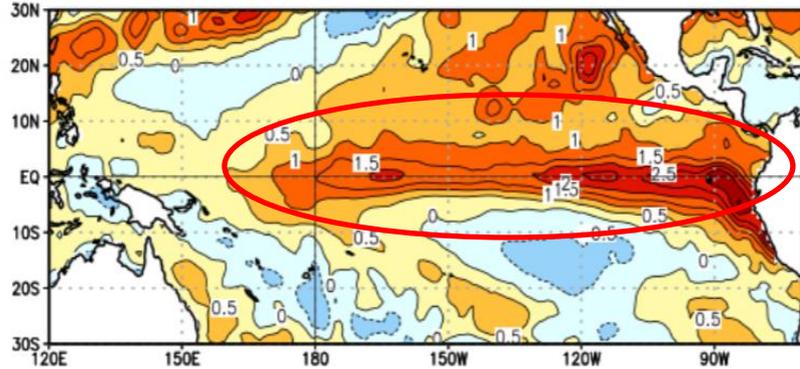
Severe drought (D2) continued over much of Northeastern Oregon and Southeastern Washington, which was exacerbated by the abnormally dry conditions through the month of June.



July Outlook

El Niño Advisory Continues

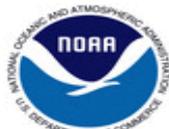
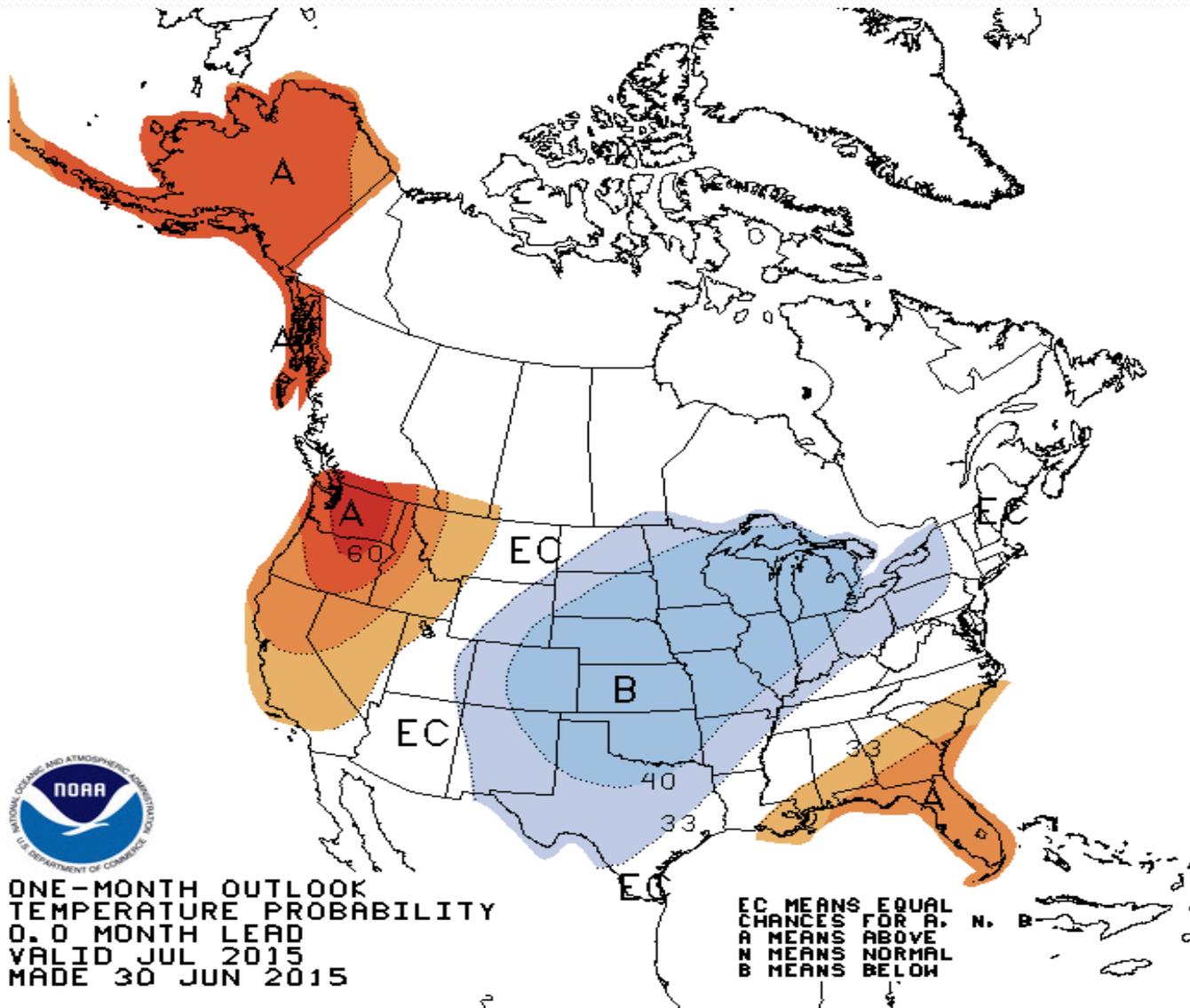
Average SST Anomalies
31 MAY 2015 – 27 JUN 2015



❖ An El Niño Advisory has been issued by the Climate Prediction Center, with the warmest temperatures noted along the central Pacific Ocean.

❖ The Climate Prediction Center has stated that there is a greater than 90% chance that El Niño conditions will continue through the Northern Hemisphere Fall 2015 and an 85% chance through the 2015-16 winter.

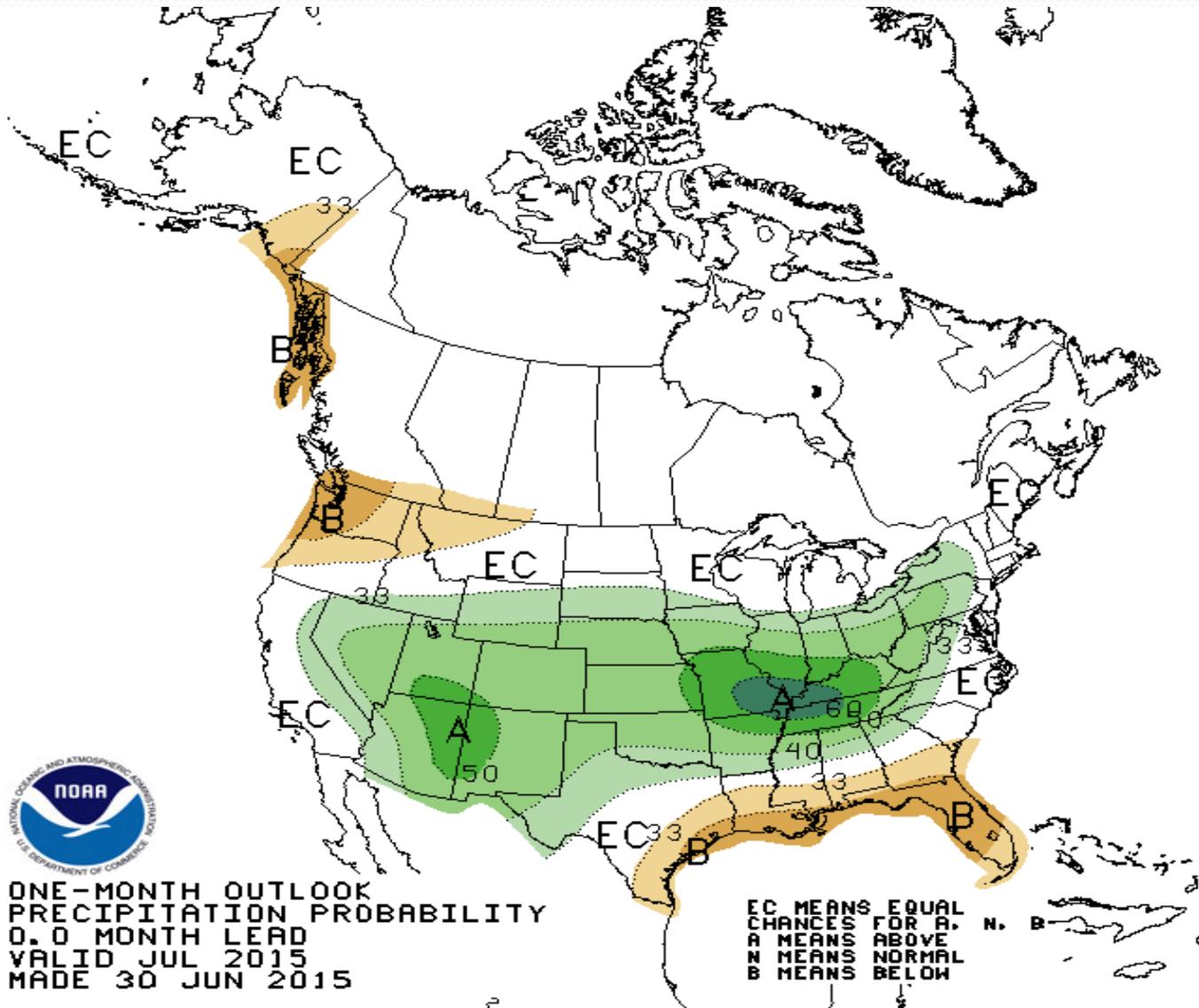
July Temperature Outlook



ONE-MONTH OUTLOOK
TEMPERATURE PROBABILITY
0.0 MONTH LEAD
VALID JUL 2015
MADE 30 JUN 2015



July Precipitation Outlook



ONE-MONTH OUTLOOK
PRECIPITATION PROBABILITY
0.0 MONTH LEAD
VALID JUL 2015
MADE 30 JUN 2015

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





Thank You!