



EFCC Weather Outlook Sept. 2019



Briefing Format



- **Fire Season Statistics**
- **Prior to Fire Season**
- **Current Conditions**
- **Remainder of Fire Season**
- **Winter/Summer Outlook 2020**

So Far... as of Sep. 3



2019

| | |
|-------------------------|-------------------------------|
| Lightning Caused | 167 Fires /1,438 Acres |
| Human Caused | 571 Fires/15,041 Acres |
| Total | 738 Fires/16,479 Acres |

So Far... as of Sep. 3

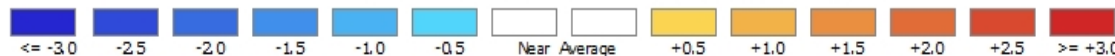
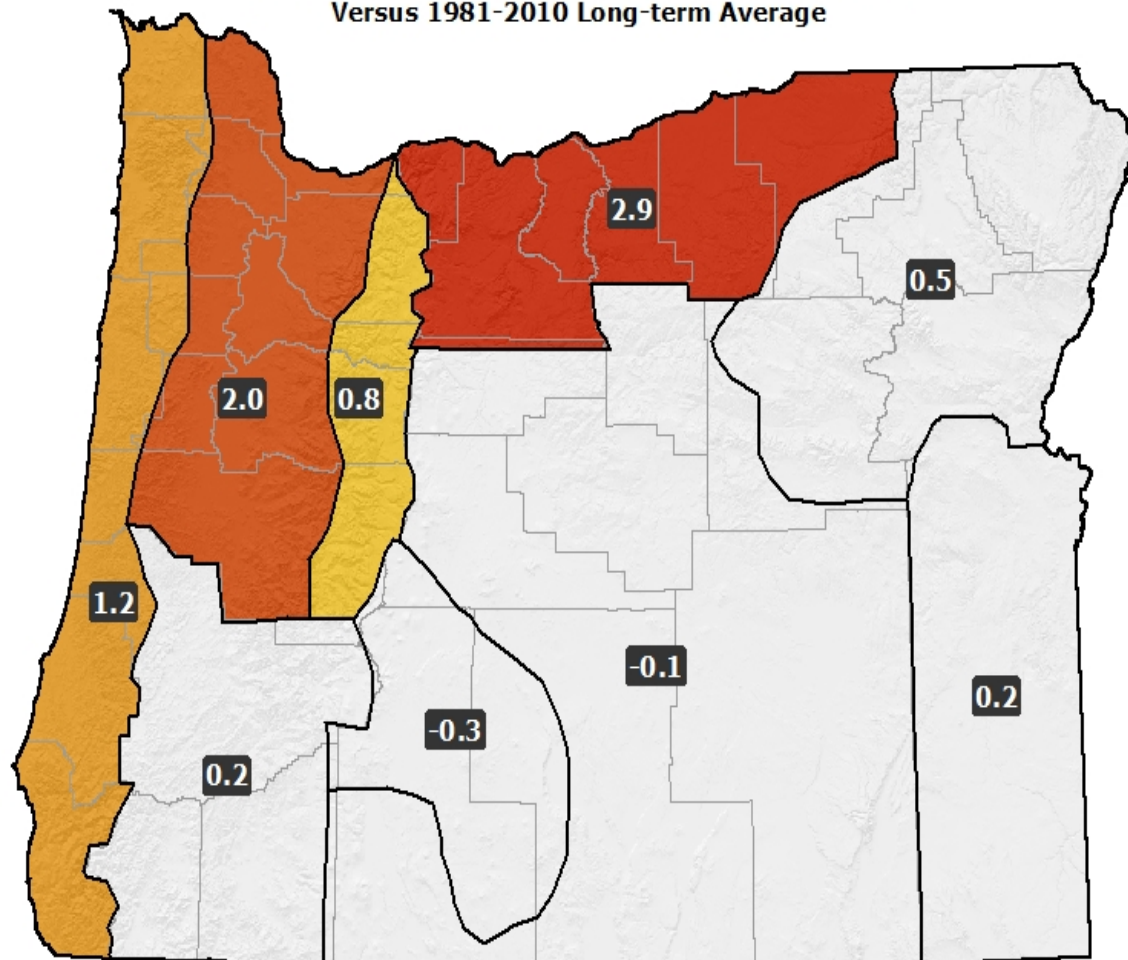


| | 2019 | 10 Year Average |
|-------------------------|------------------------|------------------------|
| Lightning Caused | 167 Fires /1,438 Acres | 232 Fires/30,472 Acres |
| Human Caused | 571 Fires/15,041 Acres | 515 Fires/9,255 Acres |
| Total | 738 Fires/16,479 Acres | 747 Fires/39,727 Acres |

Prior To The Fire Season...



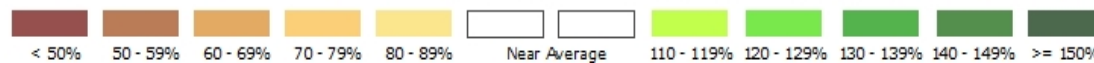
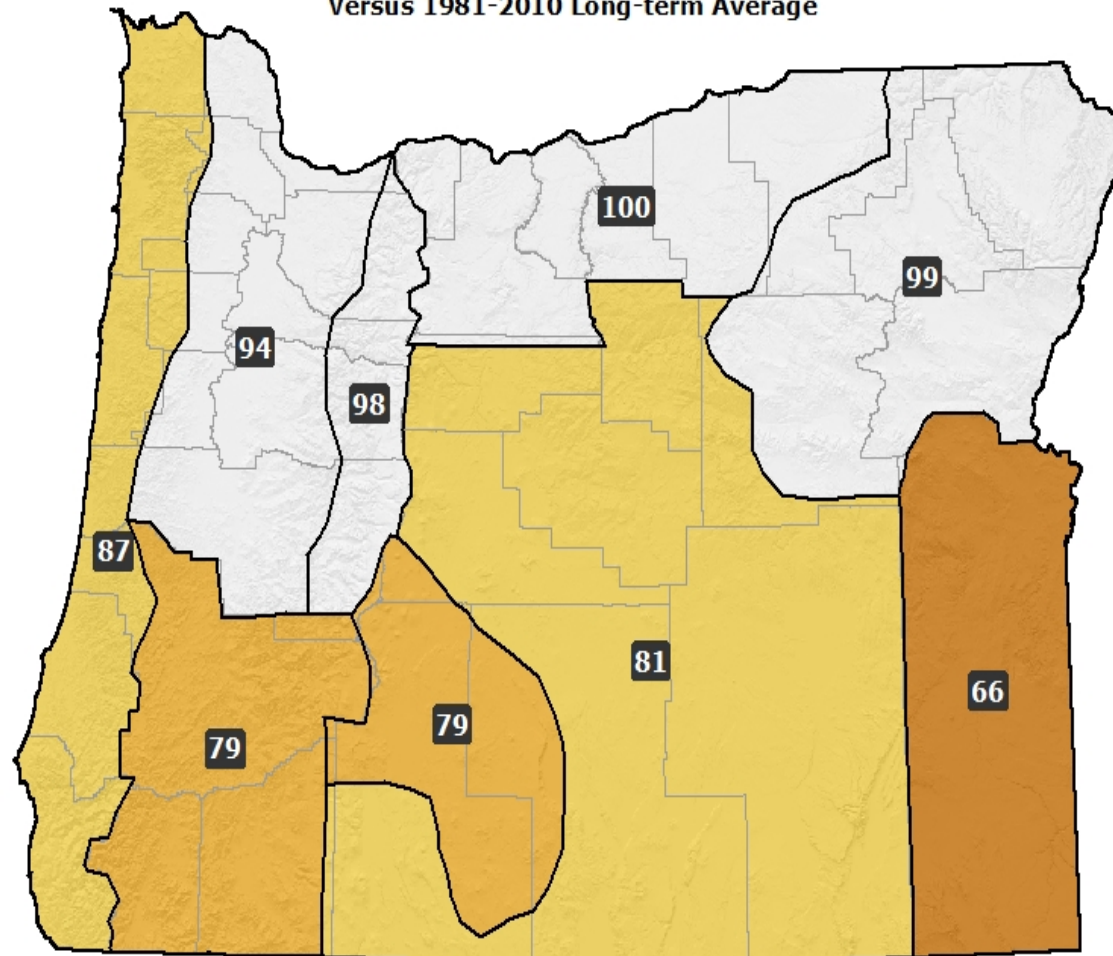
December 2018 Actual Temperature Anomalies (°F)
Versus 1981-2010 Long-term Average



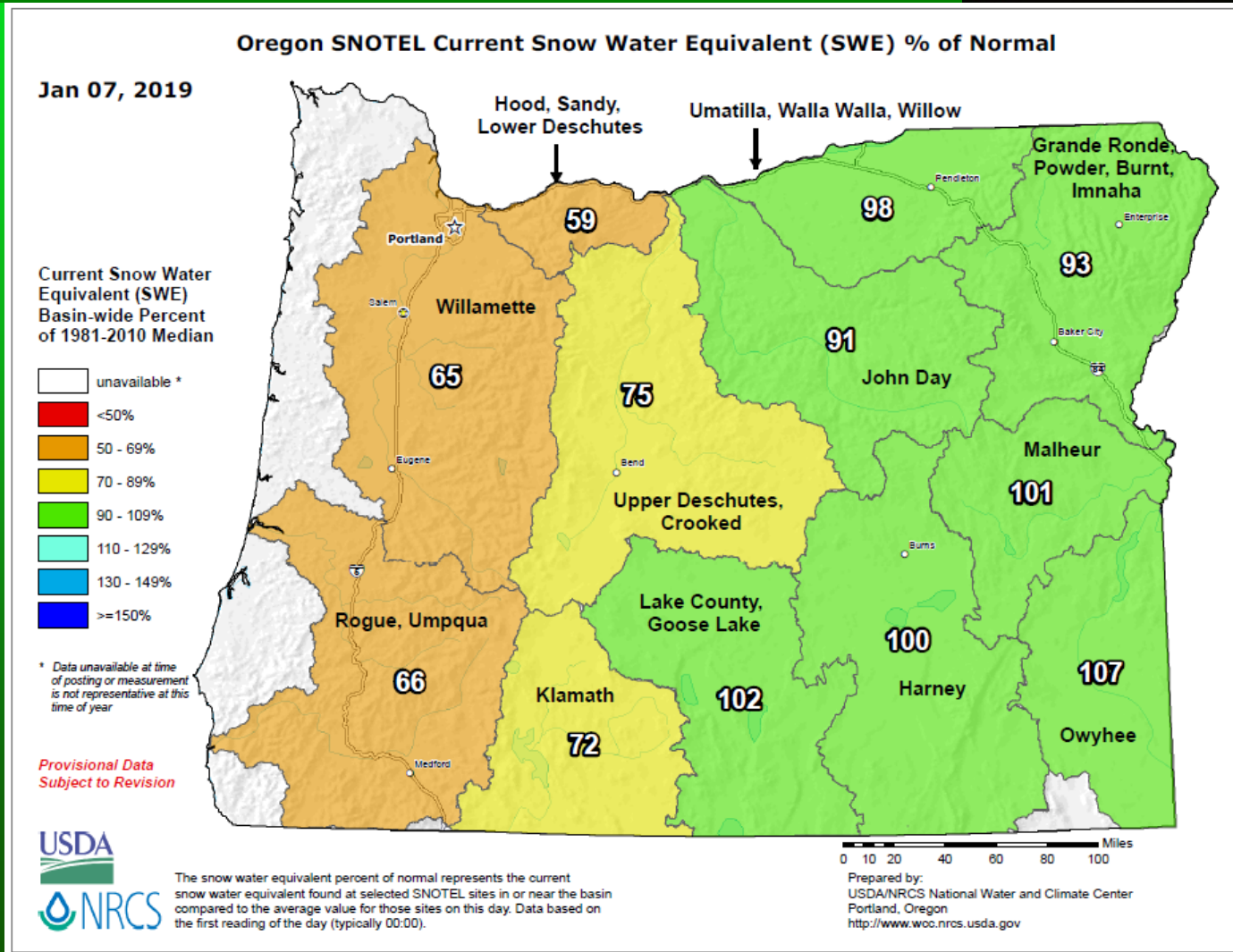
Prior To The Fire Season...



December 2018 Actual Precipitation Anomalies (% of Avg)
Versus 1981-2010 Long-term Average



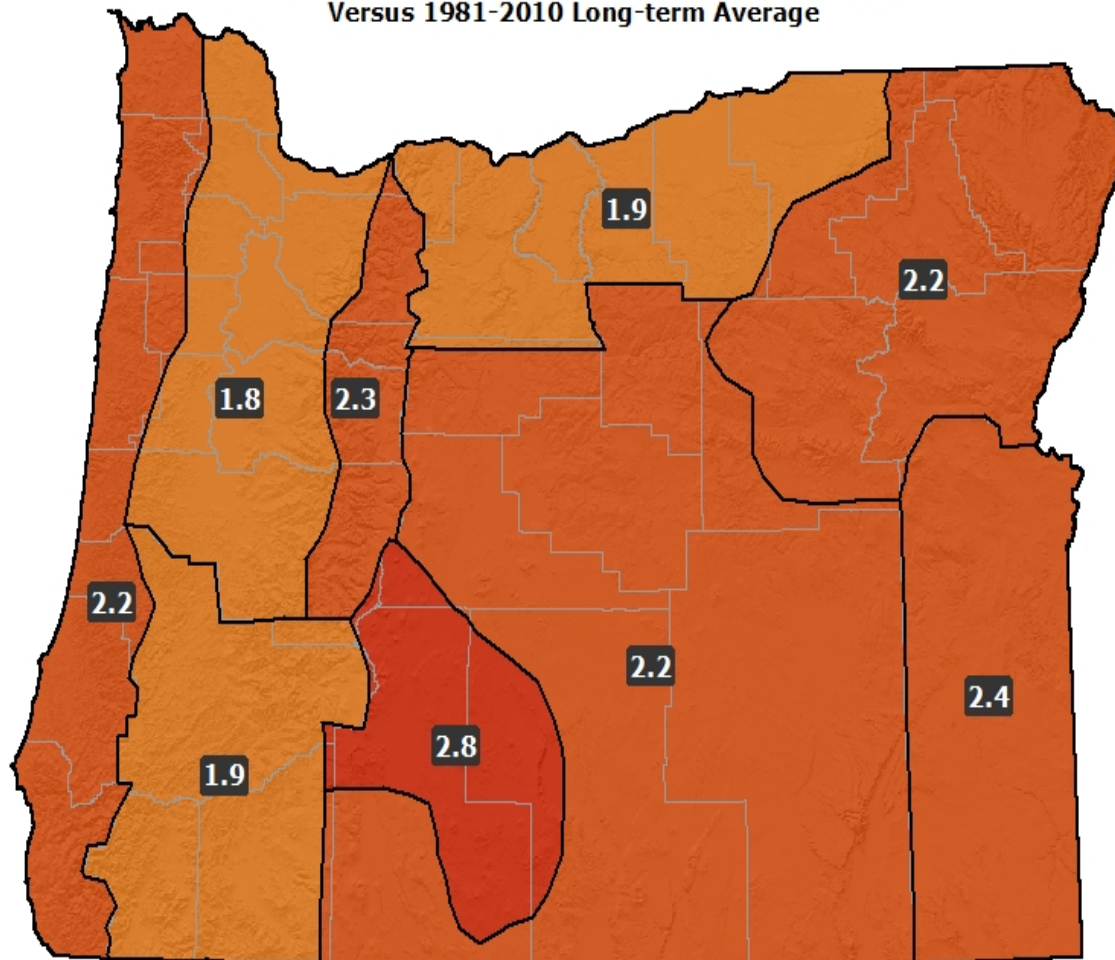
Prior To The Fire Season...



Prior To The Fire Season...



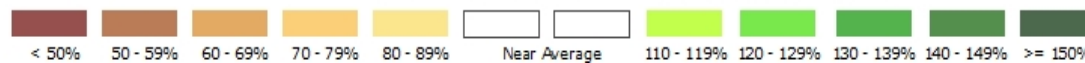
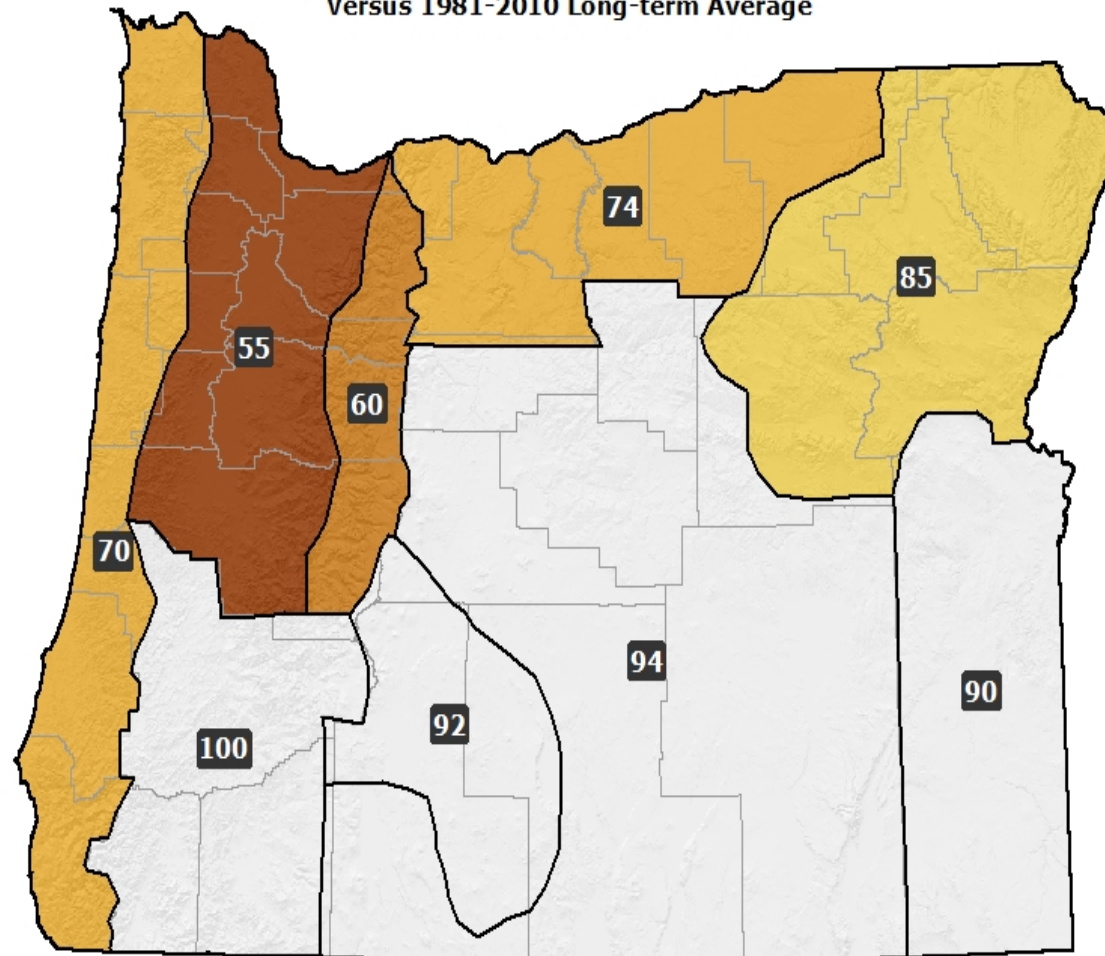
January 2019 Actual Temperature Anomalies (°F)
Versus 1981-2010 Long-term Average



Prior To The Fire Season...



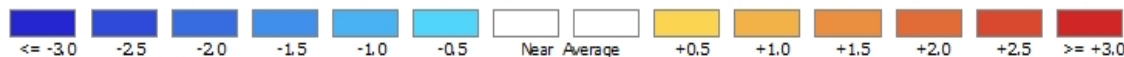
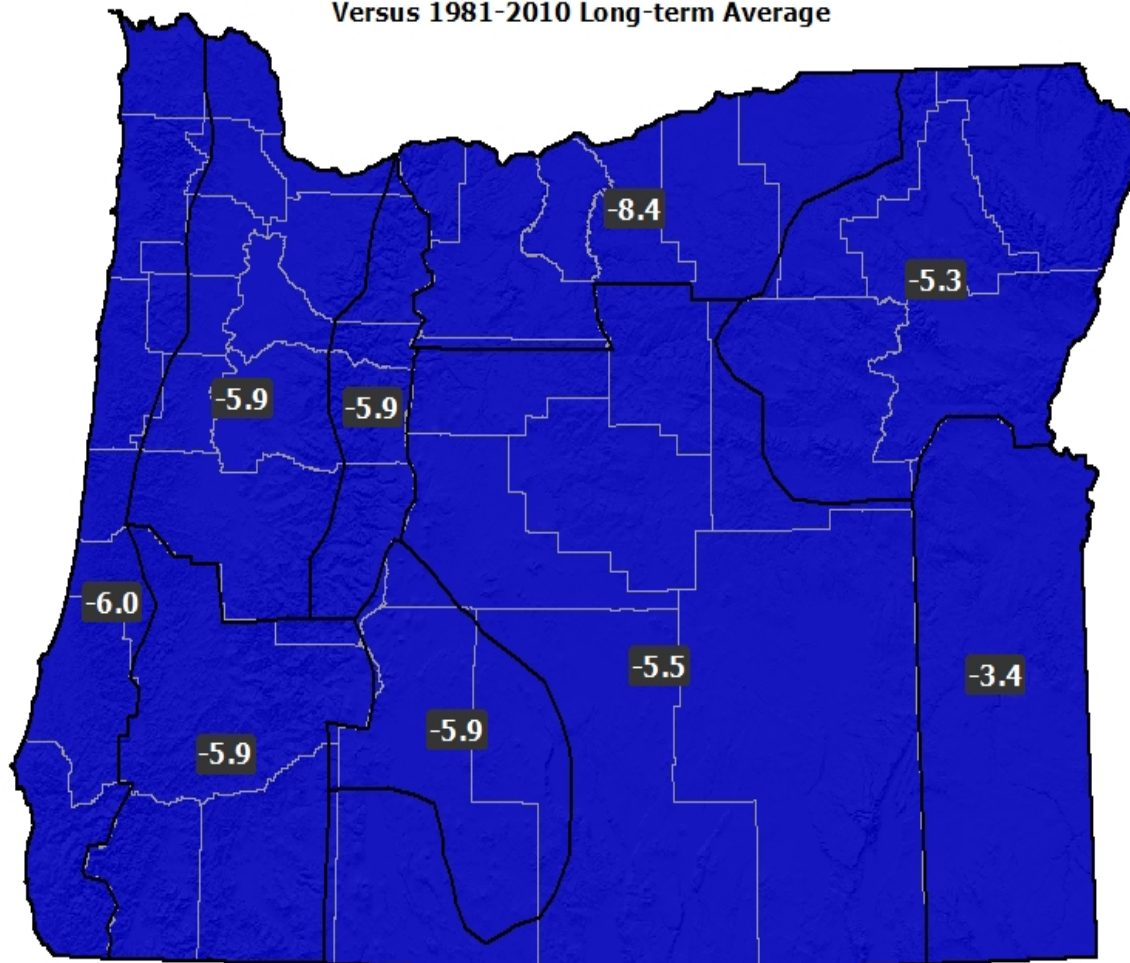
January 2019 Actual Precipitation Anomalies (% of Avg)
Versus 1981-2010 Long-term Average



Prior To The Fire Season...



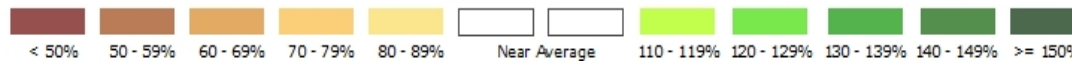
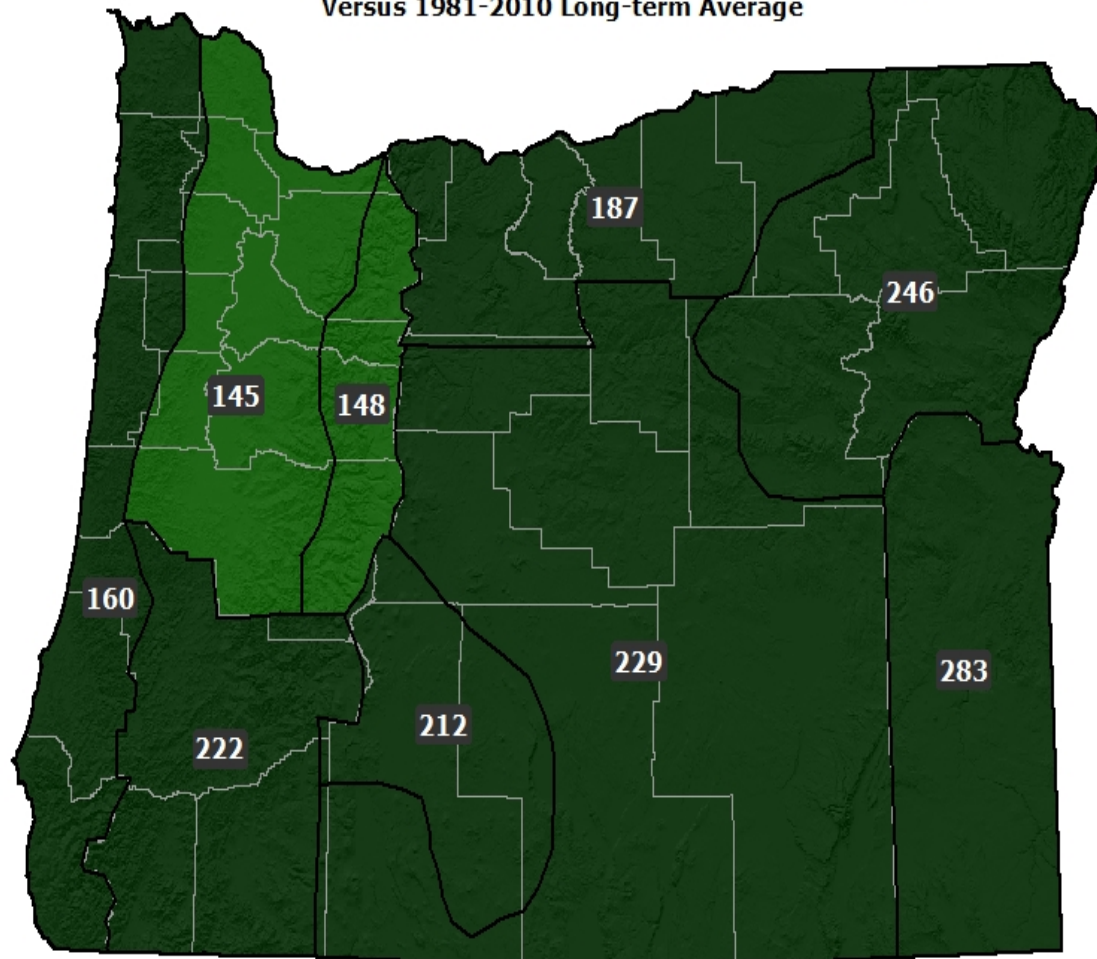
February 2019 Actual Temperature Anomalies (°F)
Versus 1981-2010 Long-term Average



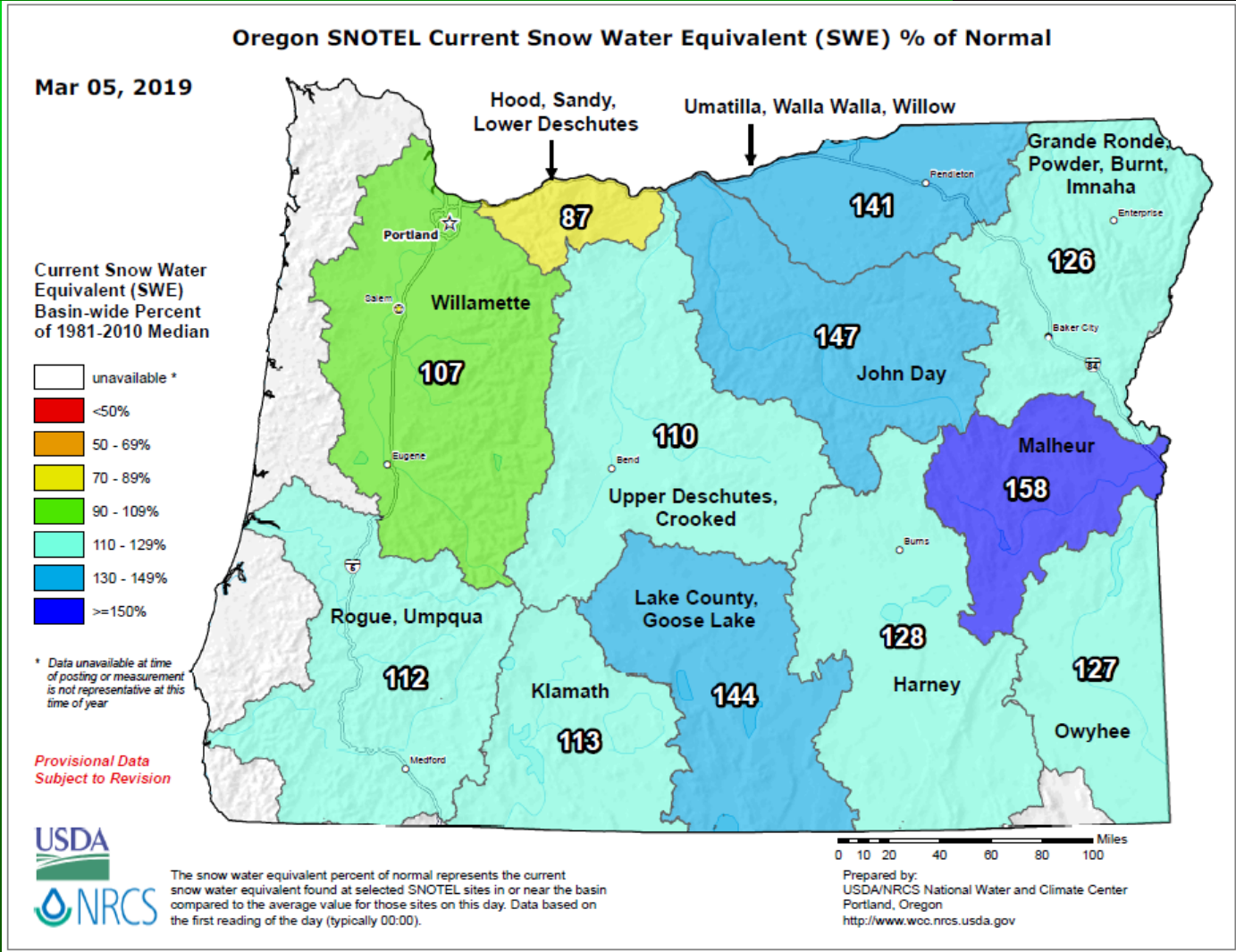
Prior To The Fire Season...



February 2019 Actual Precipitation Anomalies (% of Avg)
Versus 1981-2010 Long-term Average



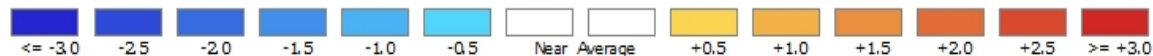
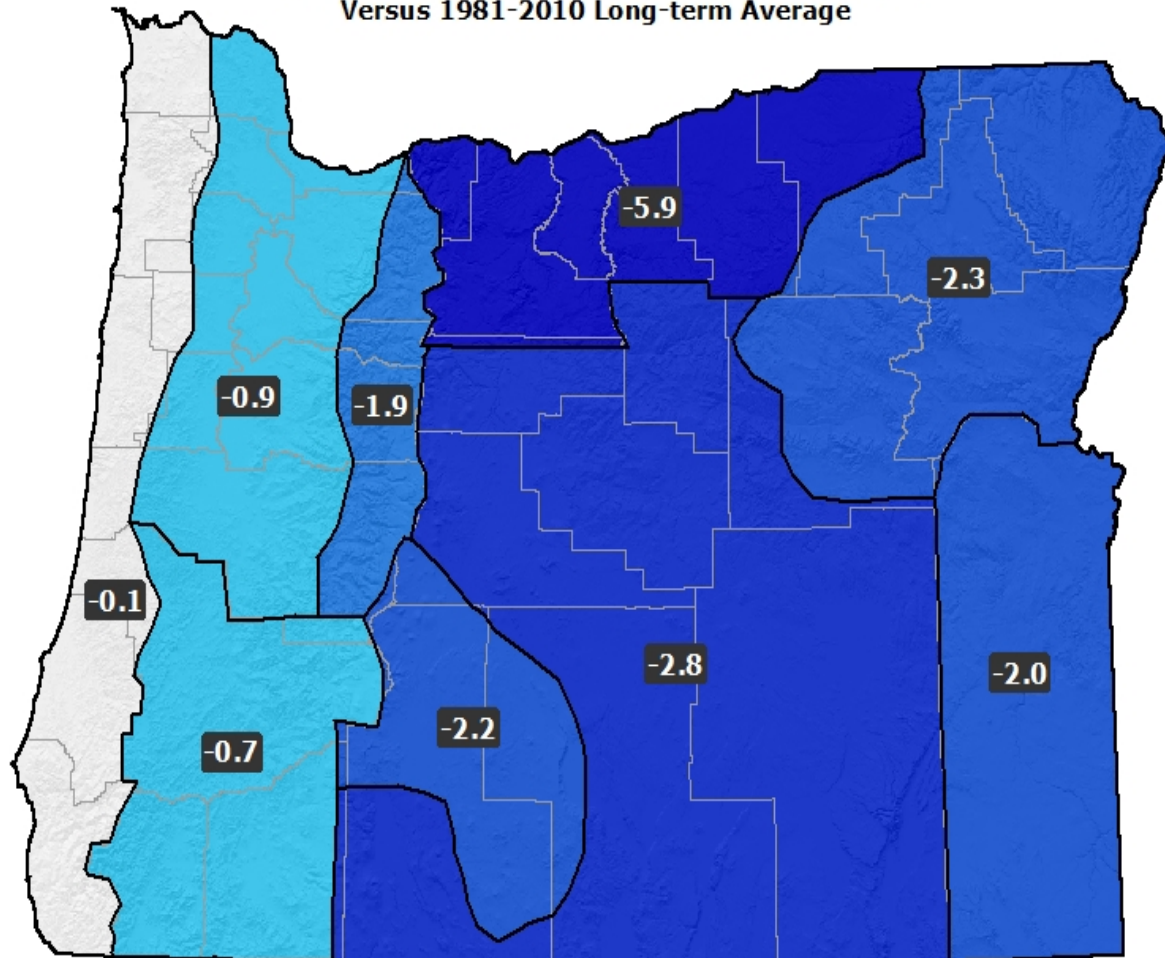
Prior To The Fire Season...



Prior To The Fire Season...



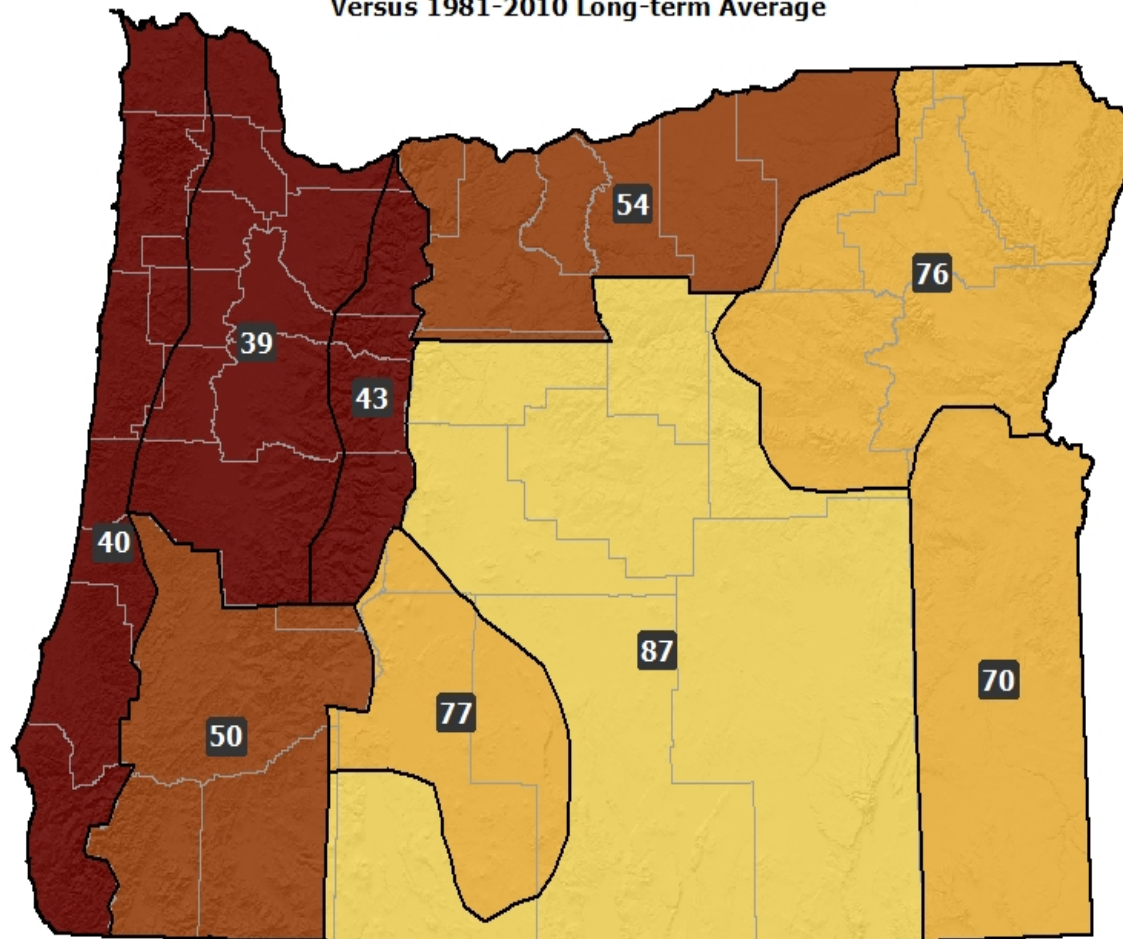
March 2019 Actual Temperature Anomalies (°F)
Versus 1981-2010 Long-term Average



Prior To The Fire Season...



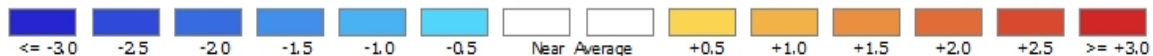
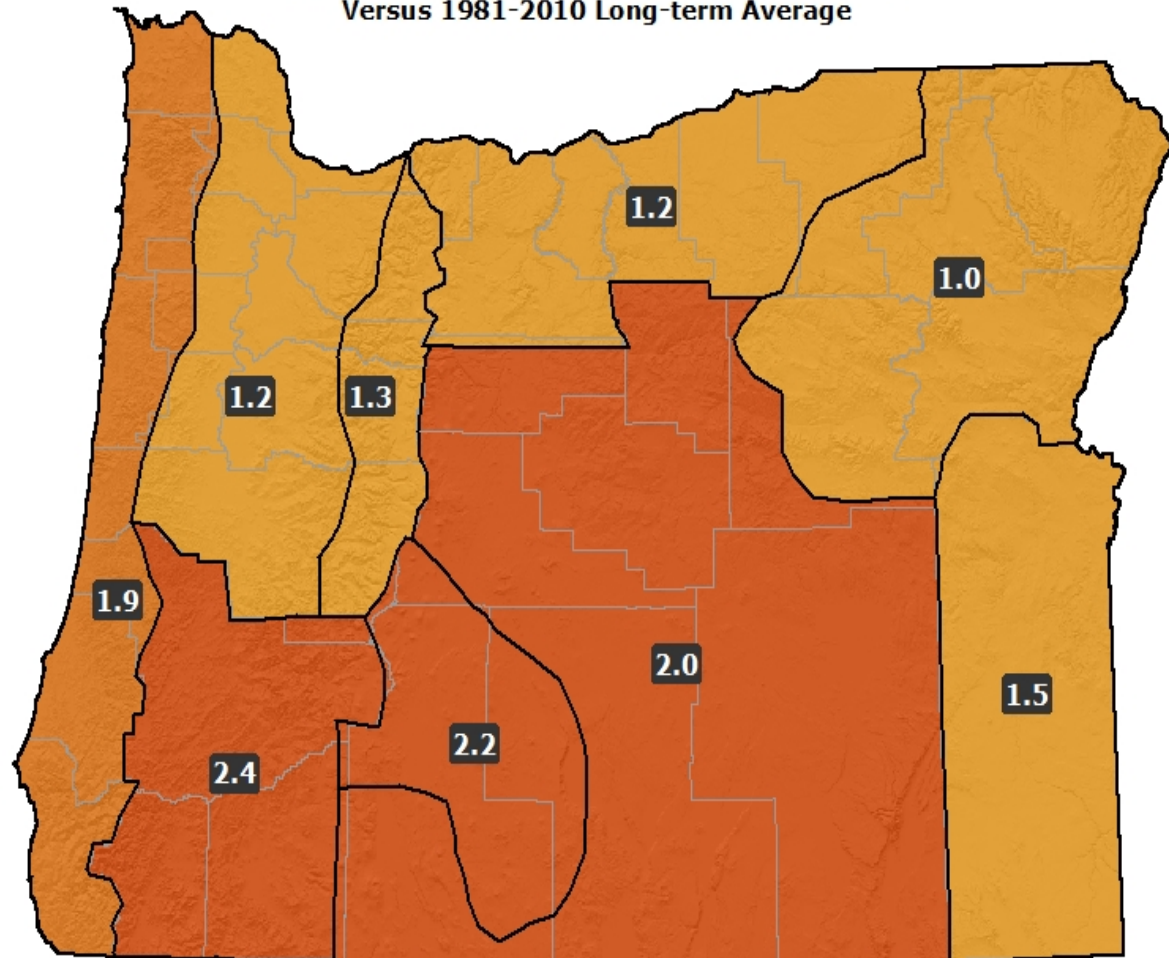
March 2019 Actual Precipitation Anomalies (% of Avg)
Versus 1981-2010 Long-term Average



Prior To The Fire Season...



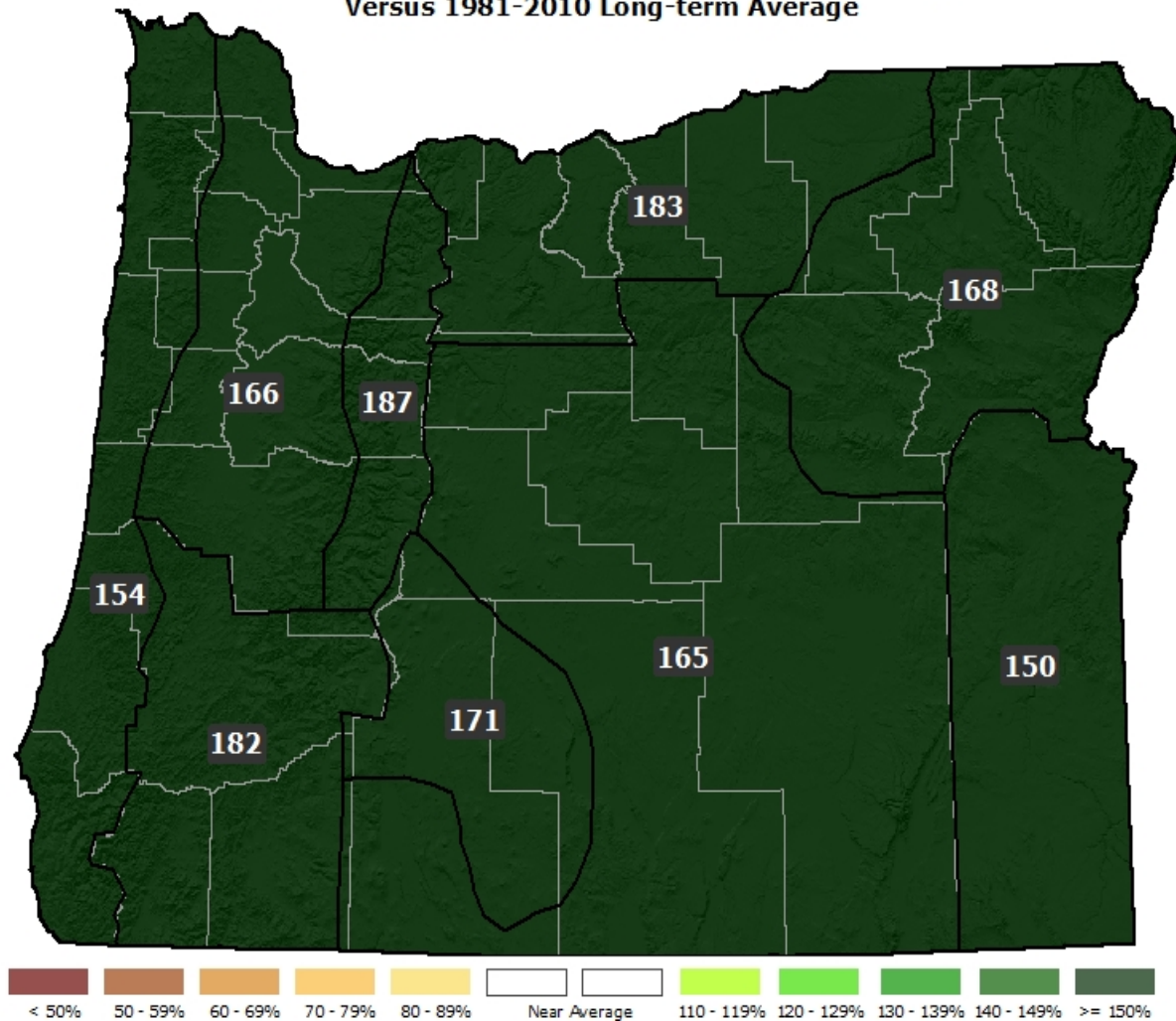
April 2019 Actual Temperature Anomalies (°F)
Versus 1981-2010 Long-term Average



Prior To The Fire Season...



April 2019 Actual Precipitation Anomalies (% of Avg)
Versus 1981-2010 Long-term Average



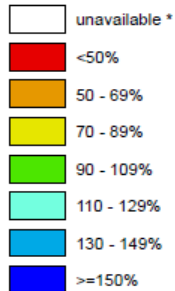
Prior To The Fire Season...



Oregon SNOTEL Current Snow Water Equivalent (SWE) % of Normal

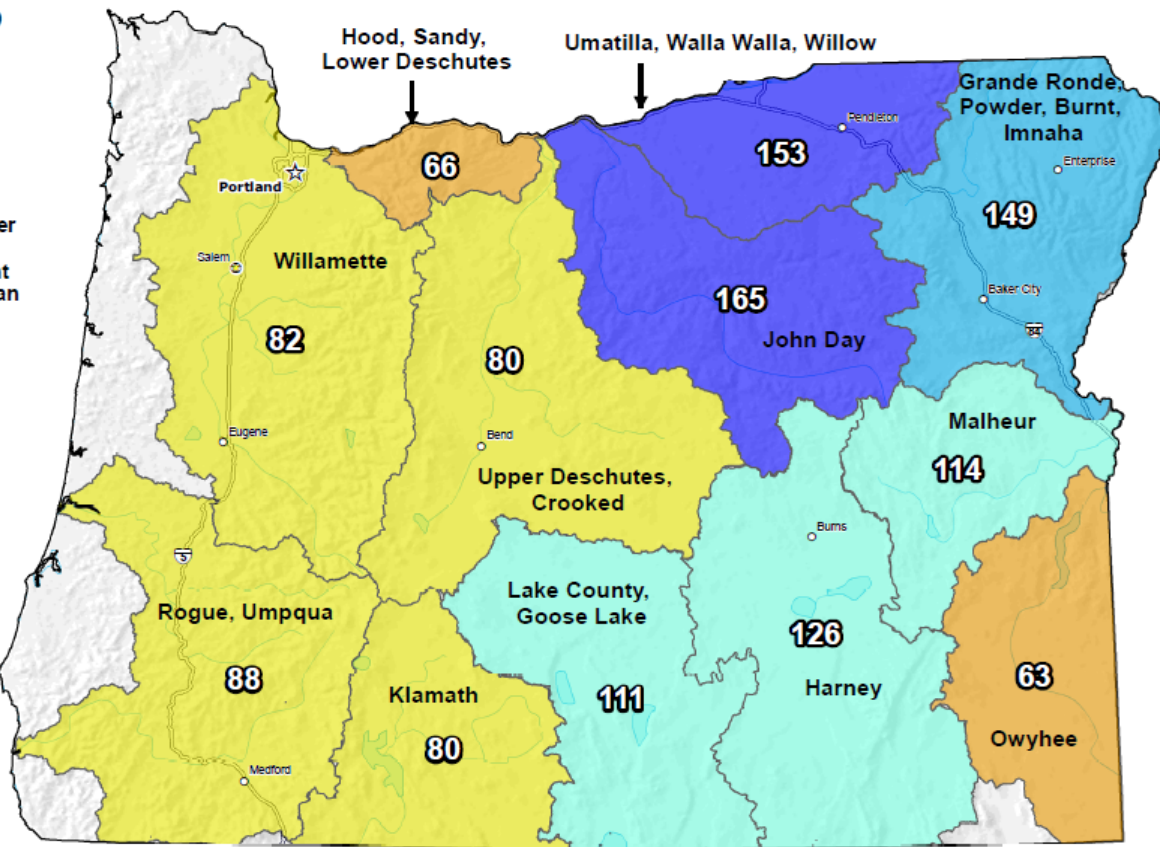
May 01, 2019

Current Snow Water Equivalent (SWE) Basin-wide Percent of 1981-2010 Median

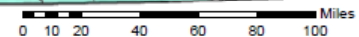


* Data unavailable at time of posting or measurement is not representative at this time of year

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).

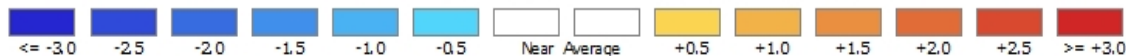
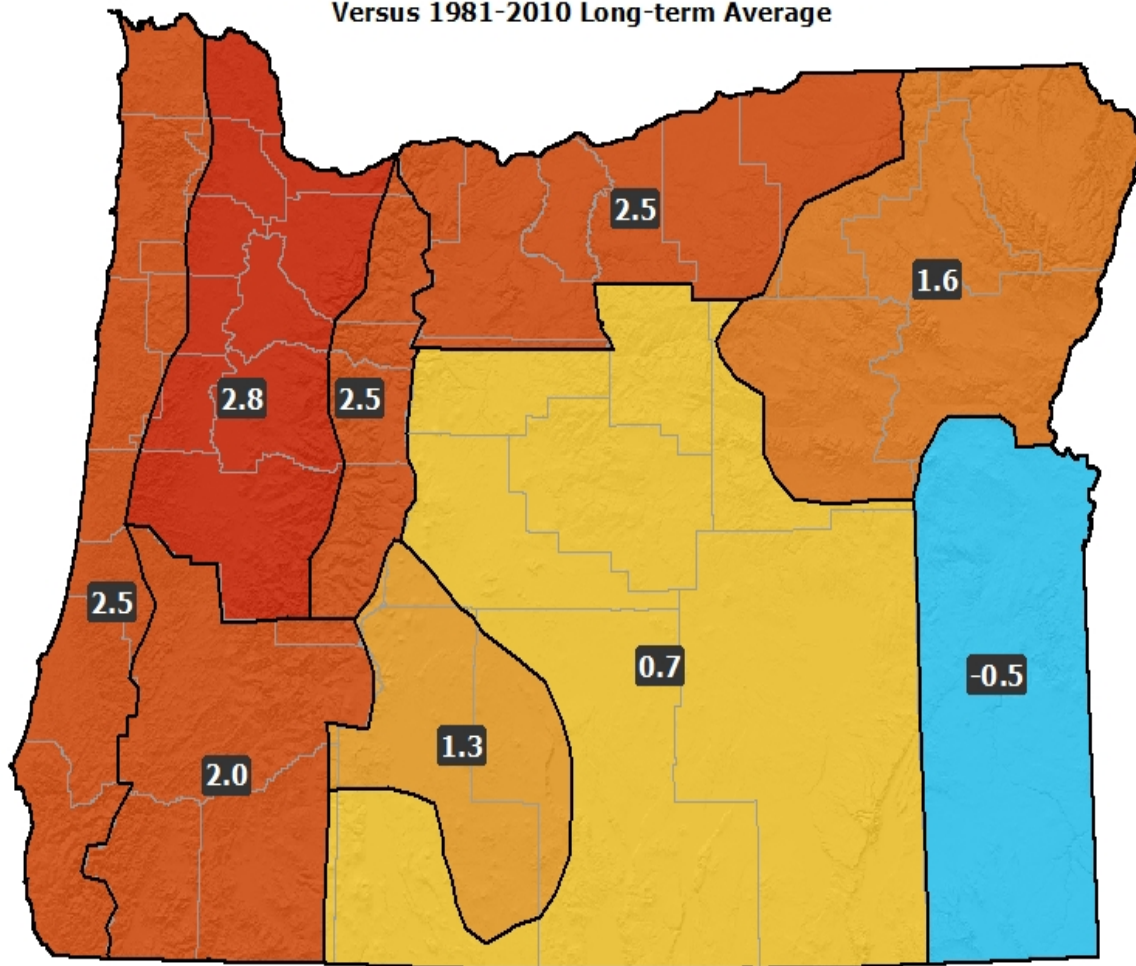


Prepared by:
USDA/NRCS National Water and Climate Center
Portland, Oregon
<http://www.wcc.nrcs.usda.gov>

Prior To The Fire Season...



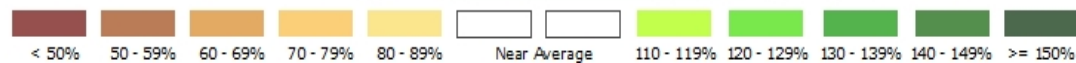
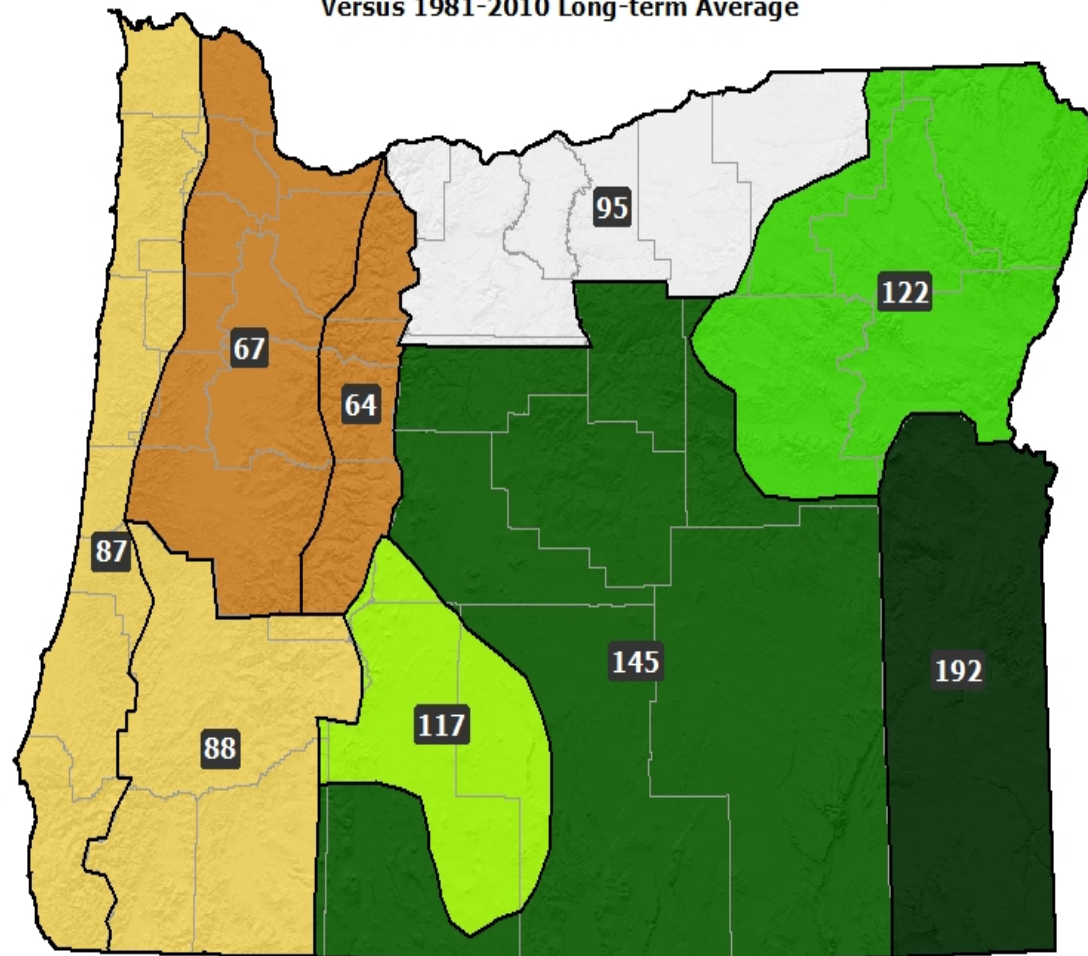
May 2019 Actual Temperature Anomalies (°F)
Versus 1981-2010 Long-term Average



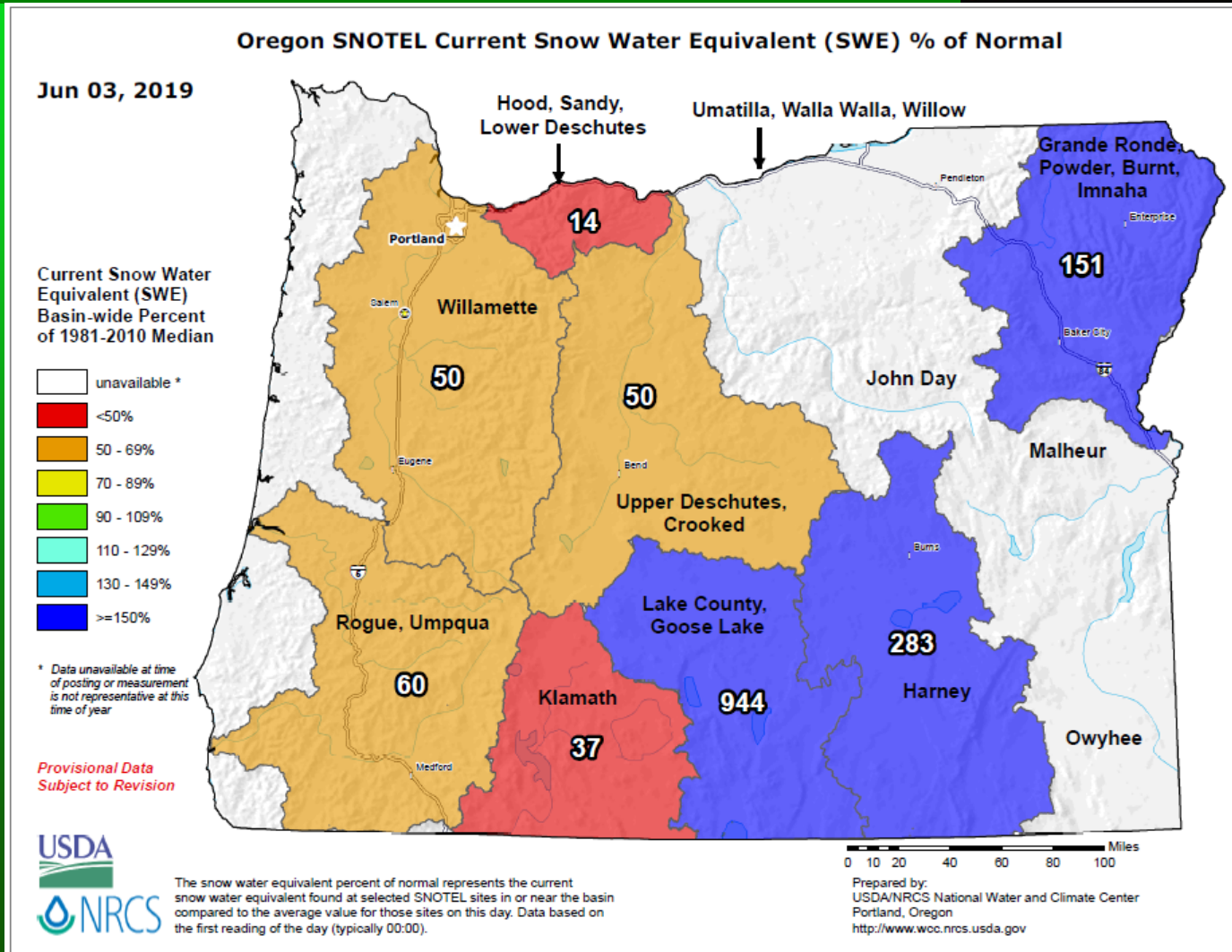
Prior To The Fire Season...



May 2019 Actual Precipitation Anomalies (% of Avg)
Versus 1981-2010 Long-term Average



Prior To The Fire Season...

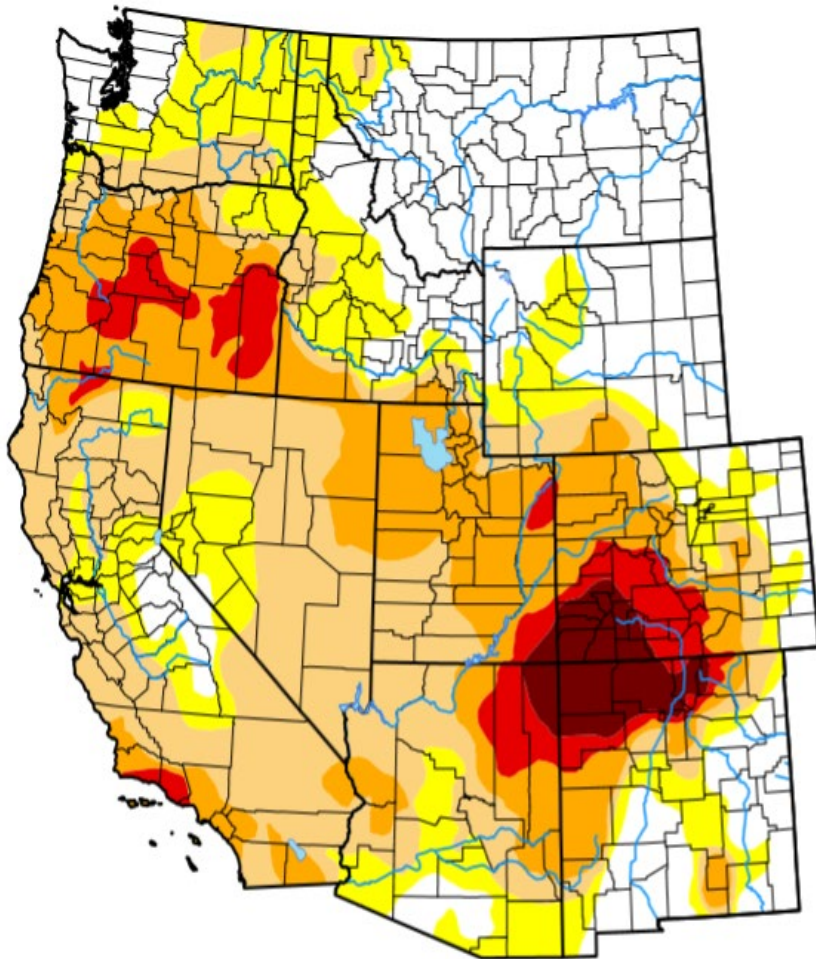


Prior To The Fire Season...








Map released: Thurs. January 3, 2019

Data valid: January 1, 2019 at 7 a.m. EST



Intensity:

-  D0 - Abnormally Dry
-  D1 - Moderate Drought
-  D2 - Severe Drought

-  D3 - Extreme Drought
-  D4 - Exceptional Drought

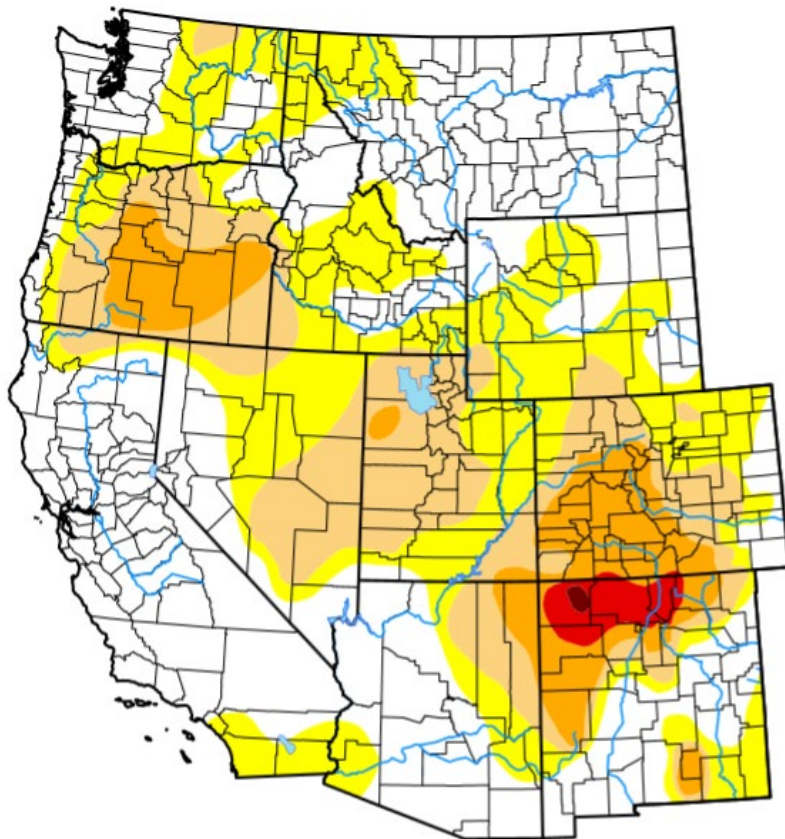
Prior To The Fire Season...



West



Map released: Thurs. February 28, 2019

Data valid: February 26, 2019 at 7 a.m. EST



Intensity:

-  D0 - Abnormally Dry
-  D1 - Moderate Drought
-  D2 - Severe Drought

-  D3 - Extreme Drought
-  D4 - Exceptional Drought

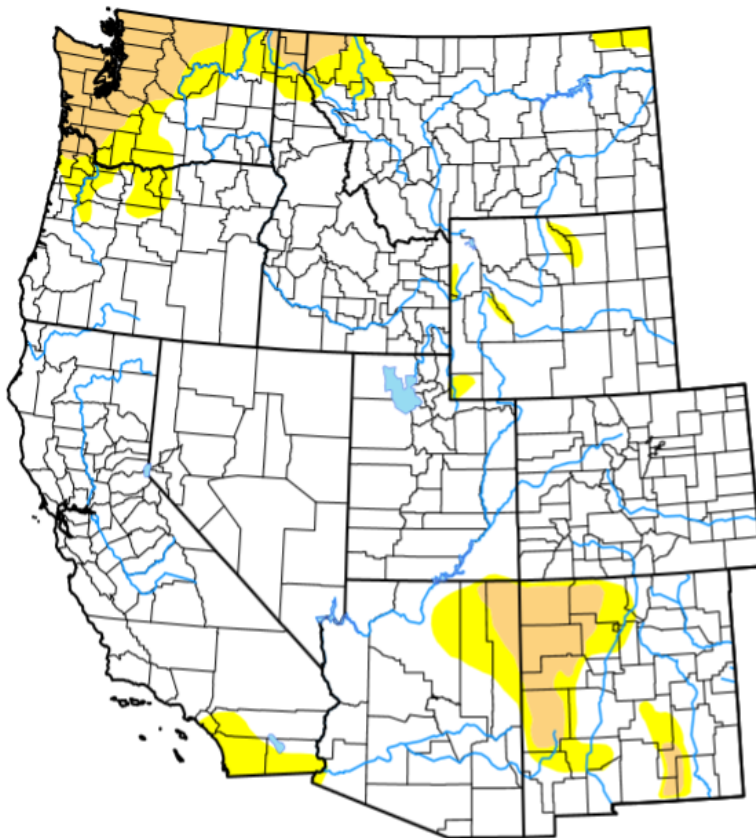
Prior To The Fire Season...



West



Map released: Thurs. May 30, 2019

Data valid: May 28, 2019 at 8 a.m. EDT



Intensity:

 D0 - Abnormally Dry
 D1 - Moderate Drought
 D2 - Severe Drought

 D3 - Extreme Drought
 D4 - Exceptional Drought

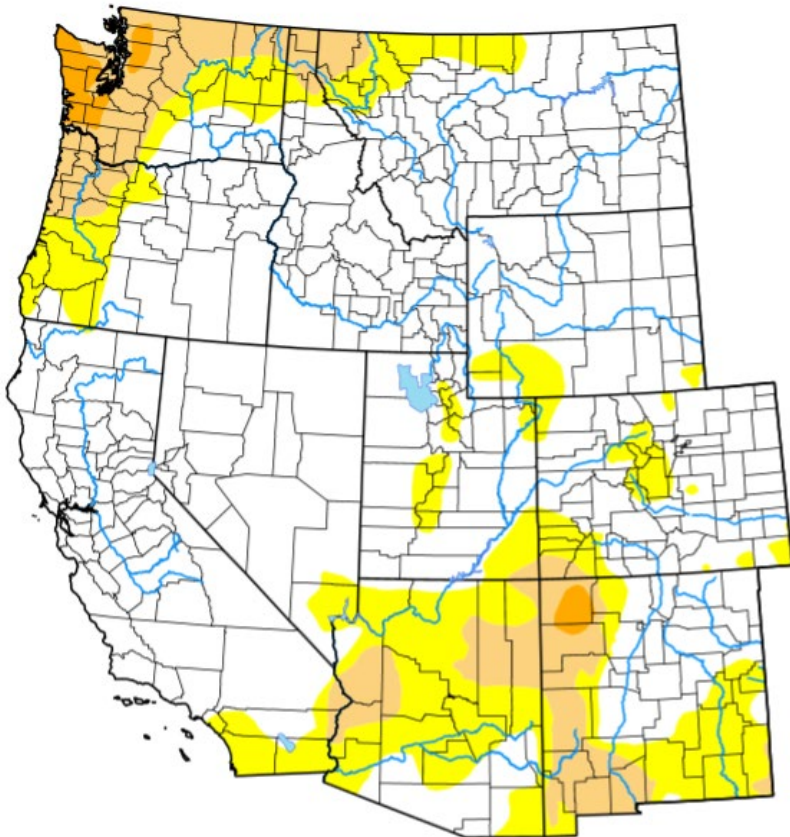
So Far...






West



Map released: Thurs. August 29, 2019

Data valid: August 27, 2019 at 8 a.m. EDT



Intensity:

-  D0 - Abnormally Dry
-  D1 - Moderate Drought
-  D2 - Severe Drought

-  D3 - Extreme Drought
-  D4 - Exceptional Drought

So Far...



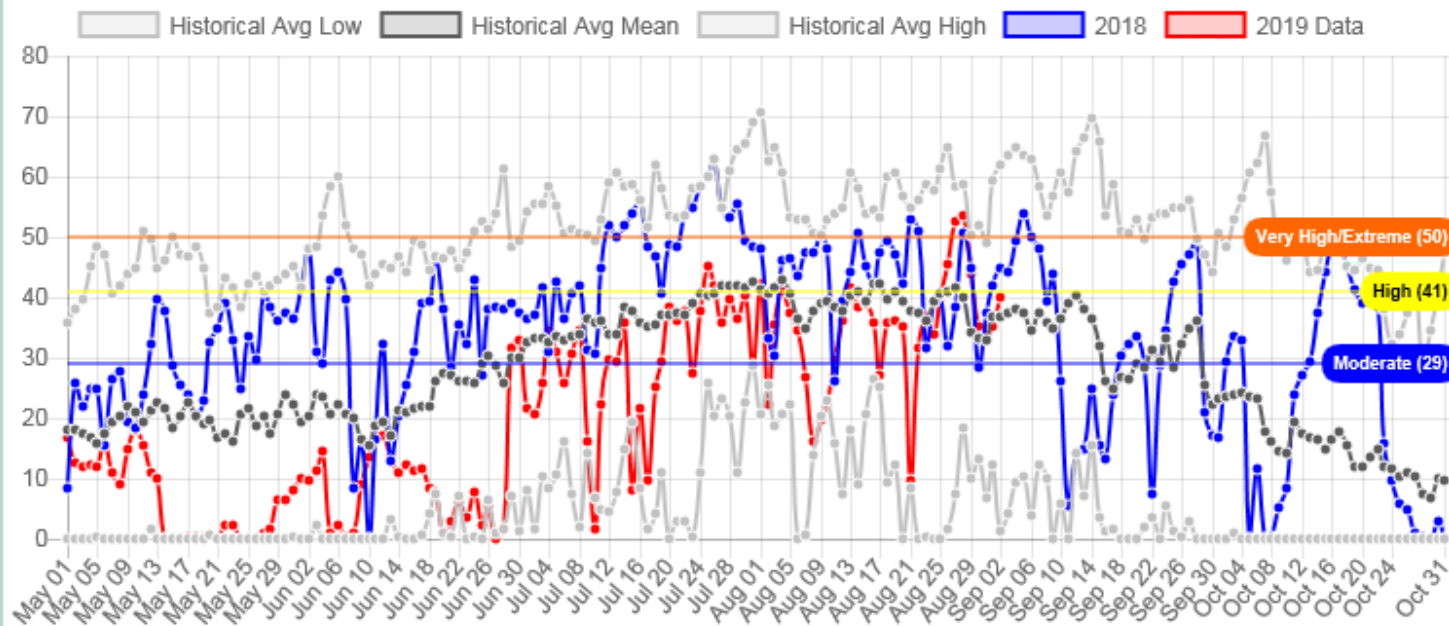
Energy Release Component

Northwest Oregon - FDRA 1

Prior to June 27th, 2019, Fuel Model F was being used

WILKINSON RIDGE (7K3P3 - 25%) MILLER (7K2P3 - 25%) RYE MOUNTAIN (7K2P3 - 50%)

(Analysis Period: 1999-2018)



So Far...

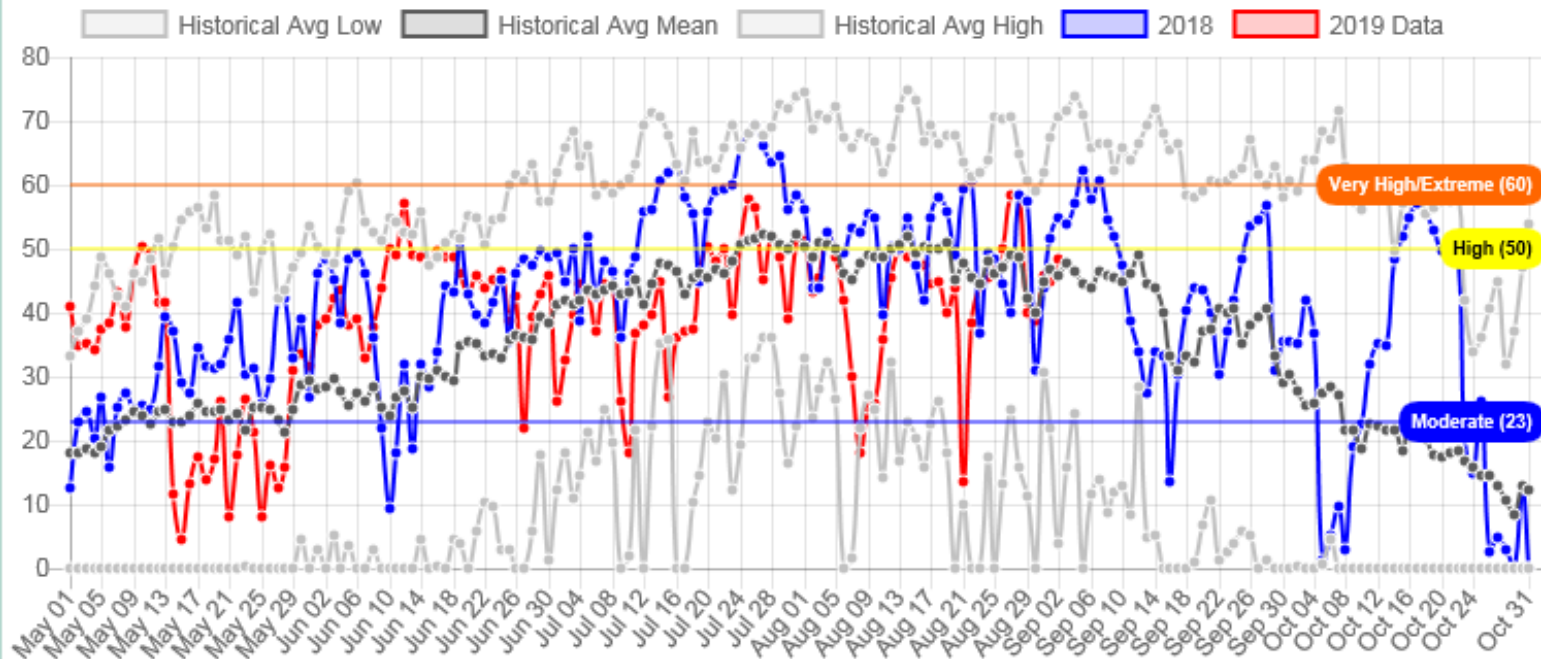


Energy Release Component

Western Lane - FDRA 2

HIGH POINT (7K3P3 - 25%) VILLAGE CREEK (7K3P4 - 75%)

(Analysis Period: 2008-2017)



So Far...

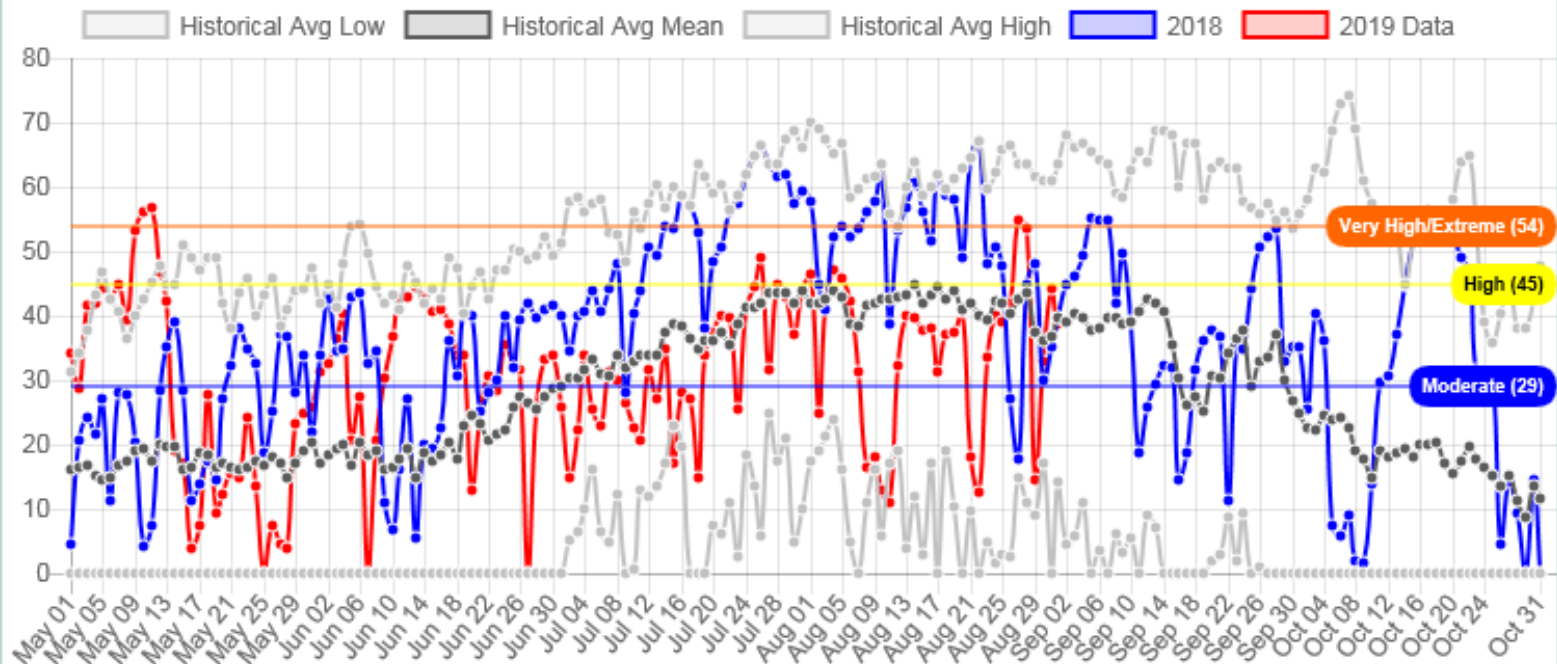


Energy Release Component

North Cascades - FDRA 10

HORSE CREEK (7K1P3 - 67%) EAGLE CREEK (7K3P3 - 33%)

(Analysis Period: 2000-2016)



So Far...

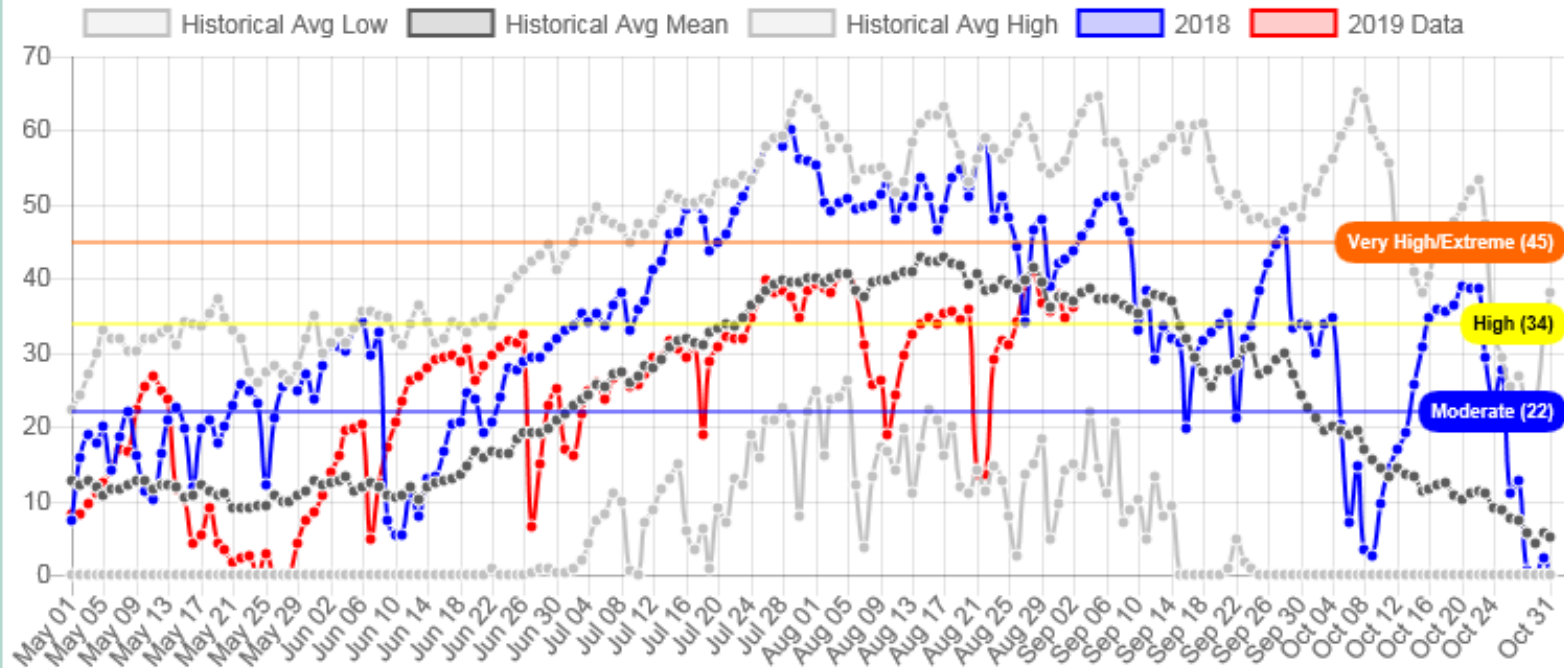


Energy Release Component

South Cascades - FDRA 9

TROUT CREEK (7G3P3 - 33.33%) BRUSH CREEK (7G3P3 - 33.33%) PEBBLE (7G3P3 - 33.34%)

(Analysis Period: 1997-2016)



So Far...

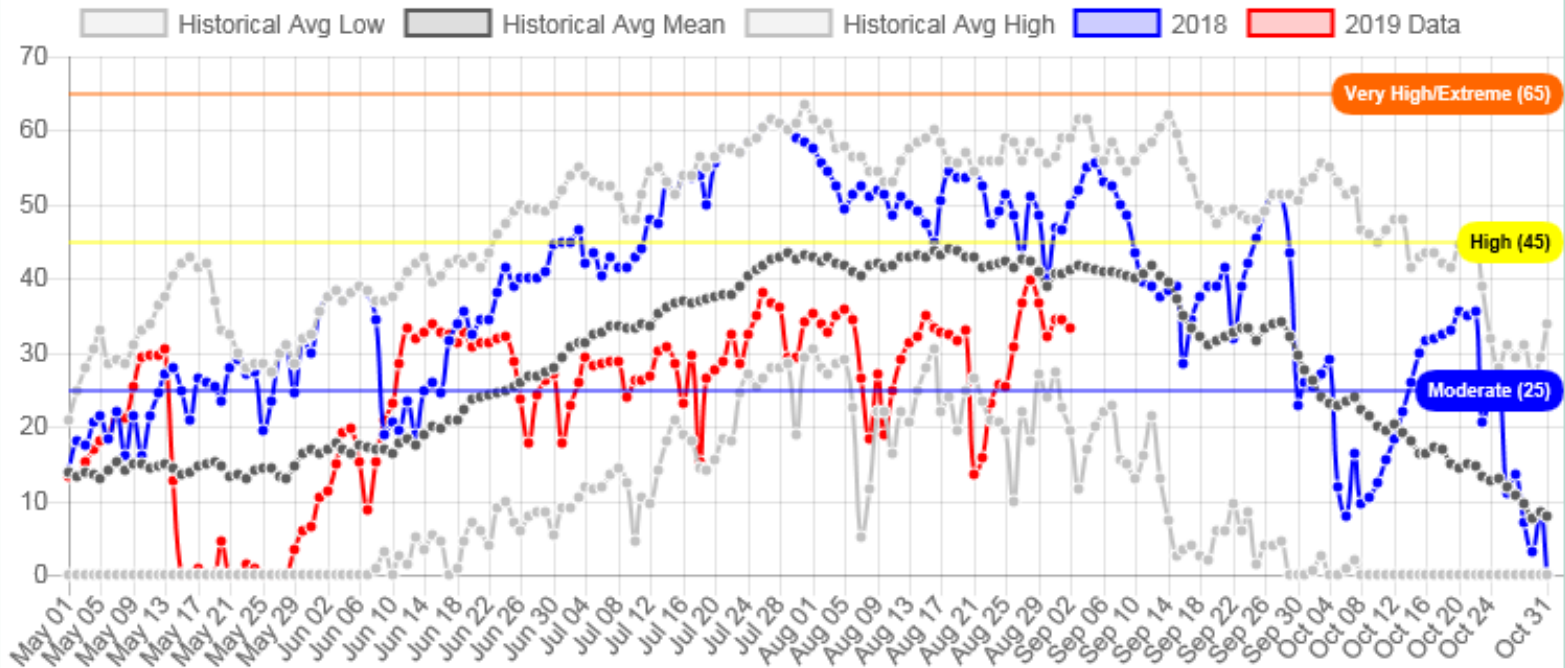


Energy Release Component

Coos Forest Prot. Assoc. - FDRA 3

BURNT MOUNTAIN (7G3P3 - 50%) BALD2 (7G3P3 - 50%)

(Analysis Period: 2005-2015)



So Far...

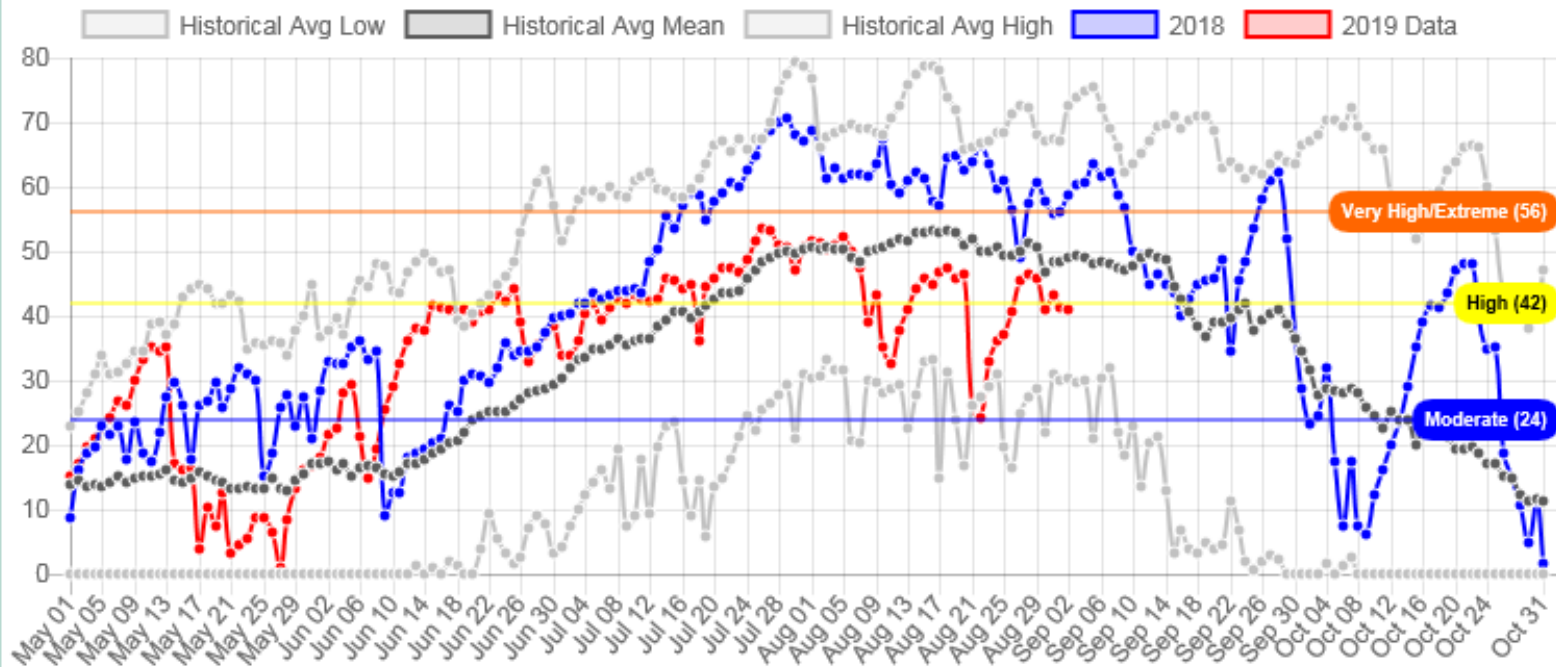


Energy Release Component

Douglas Forest Prot. Assoc. - FDRA 4

SILVER BUTTE (7G3P3 - 33%) GRANDAD RAWS (7G3P3 - 67%)

(Analysis Period: 1999-2015)



So Far...

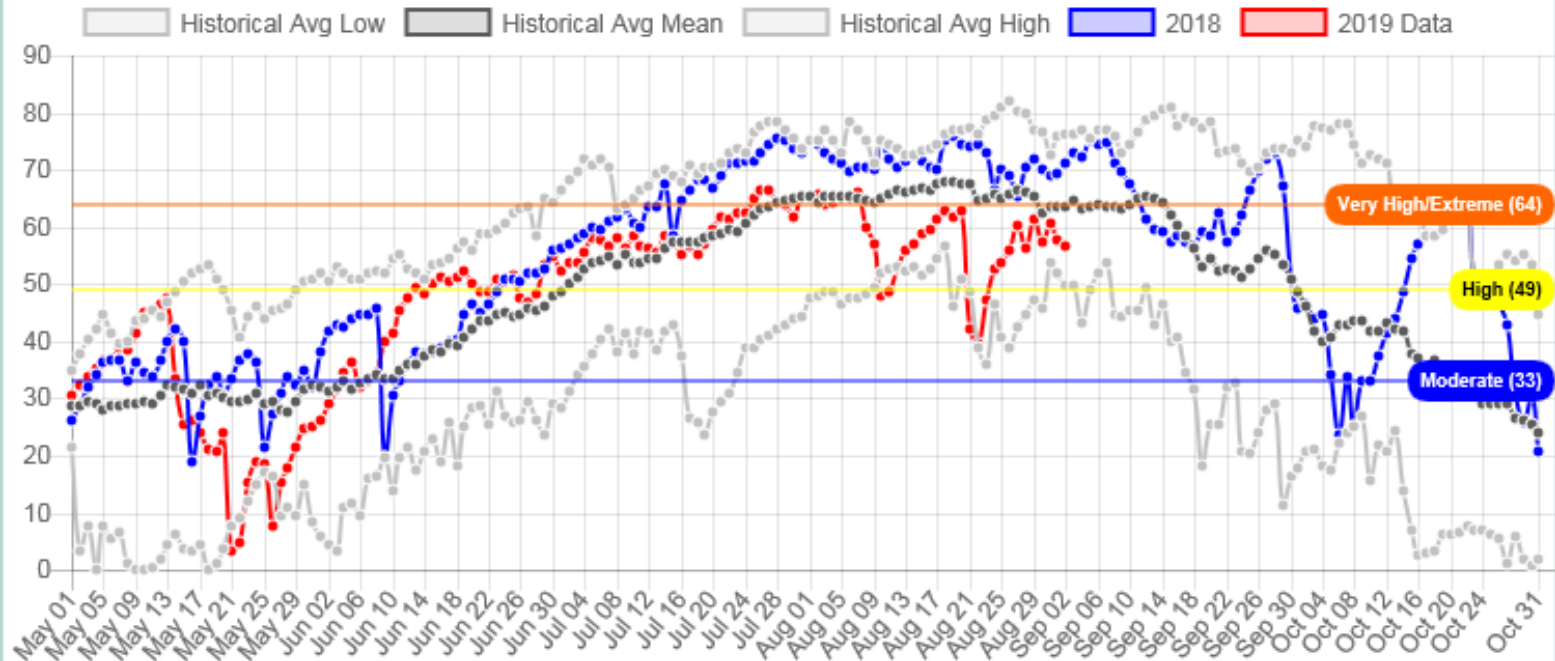


Energy Release Component

Southwest Oregon - FDRA 5

MERLIN (7G2P2 - 25%) SQUAW (7G3P2 - 25%) BUCKHORN_SPRINGS (7G2P2 - 25%) EVANS (7G2P2 - 25%)

(Analysis Period: 2004-2018)



So Far...

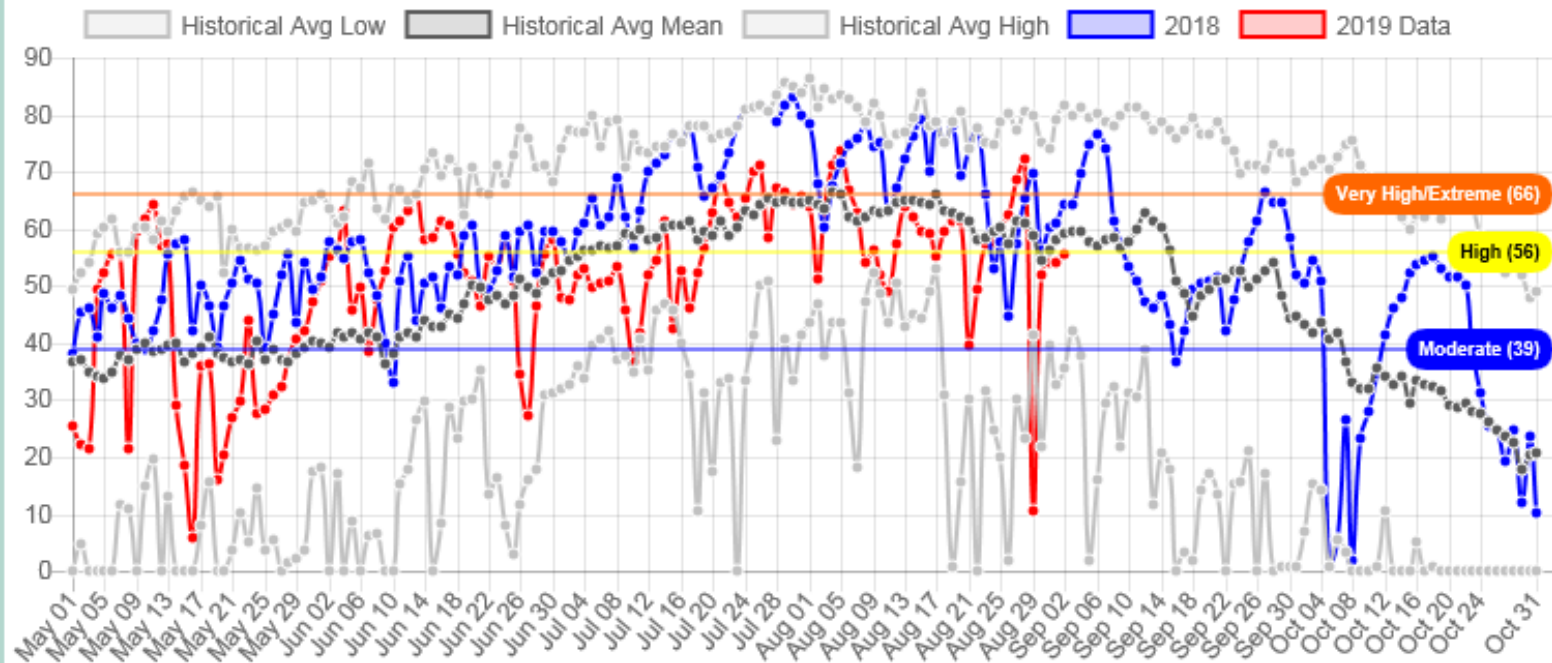


Energy Release Component

The Dalles - FDRA 11

WASCO BUTTE (7K2P2 - 71%) MIDDLE MTN (7K2P2 - 29%)

(Analysis Period: 1998-2014)



So Far...

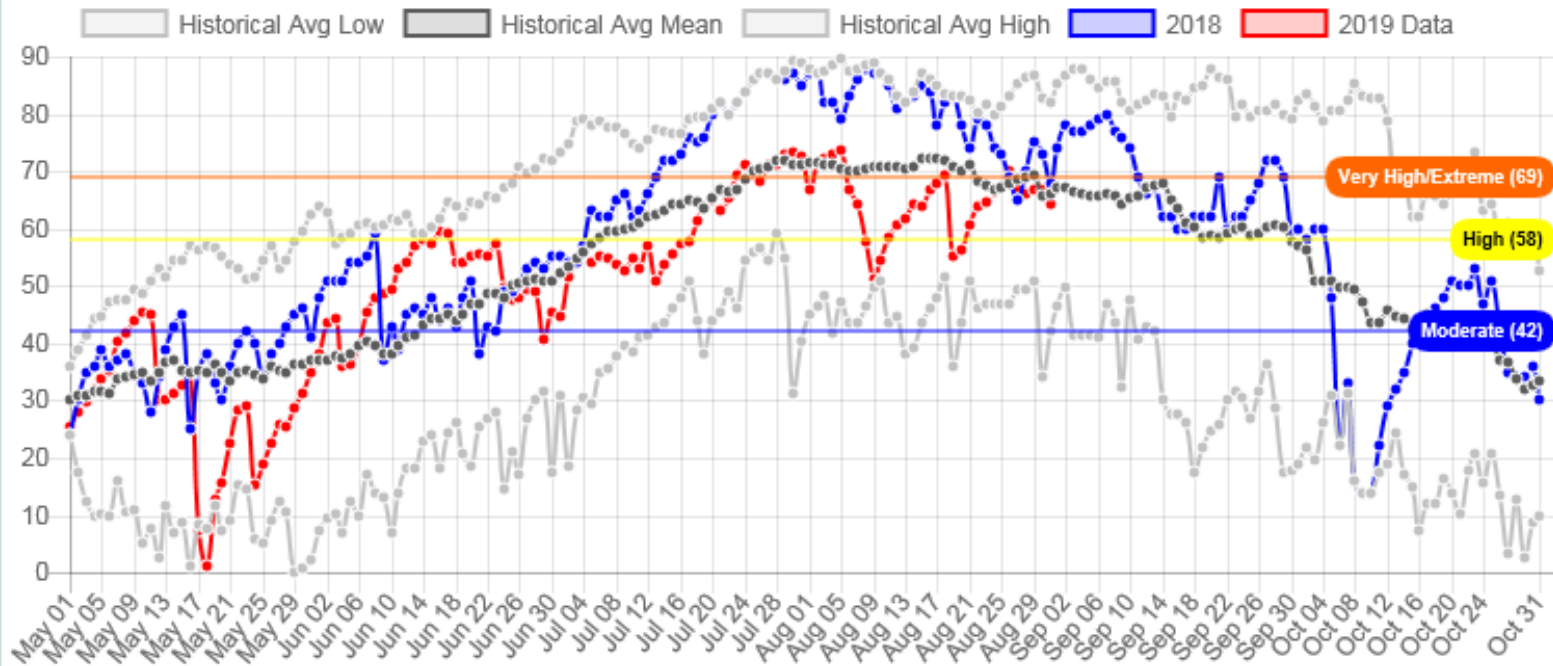


Energy Release Component

Prineville/Sisters - FDRA 12

BOARD HOLLOW (7G2P2 - 67%) LAVA BUTTE (7G1P2 - 33%)

(Analysis Period: 1995-2013)



So Far...

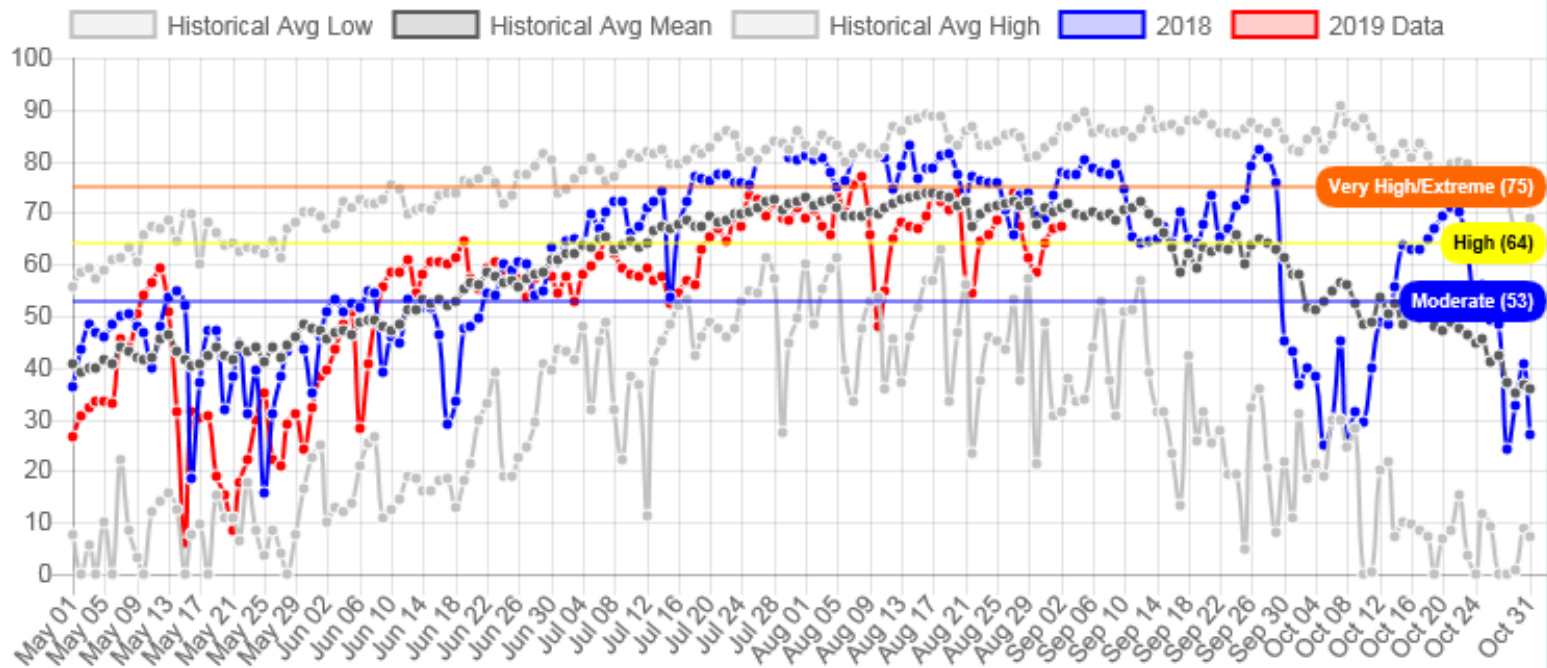


Energy Release Component

Klamath/Lakeview District - FDRA 6

PARKER MOUNTAIN (7K2P2 - 25%) TIMOTHY (7K2P2 - 37%) COFFEE POT 2 (7K2P2 - 38%)

(Analysis Period: 1998-2012)



So Far...

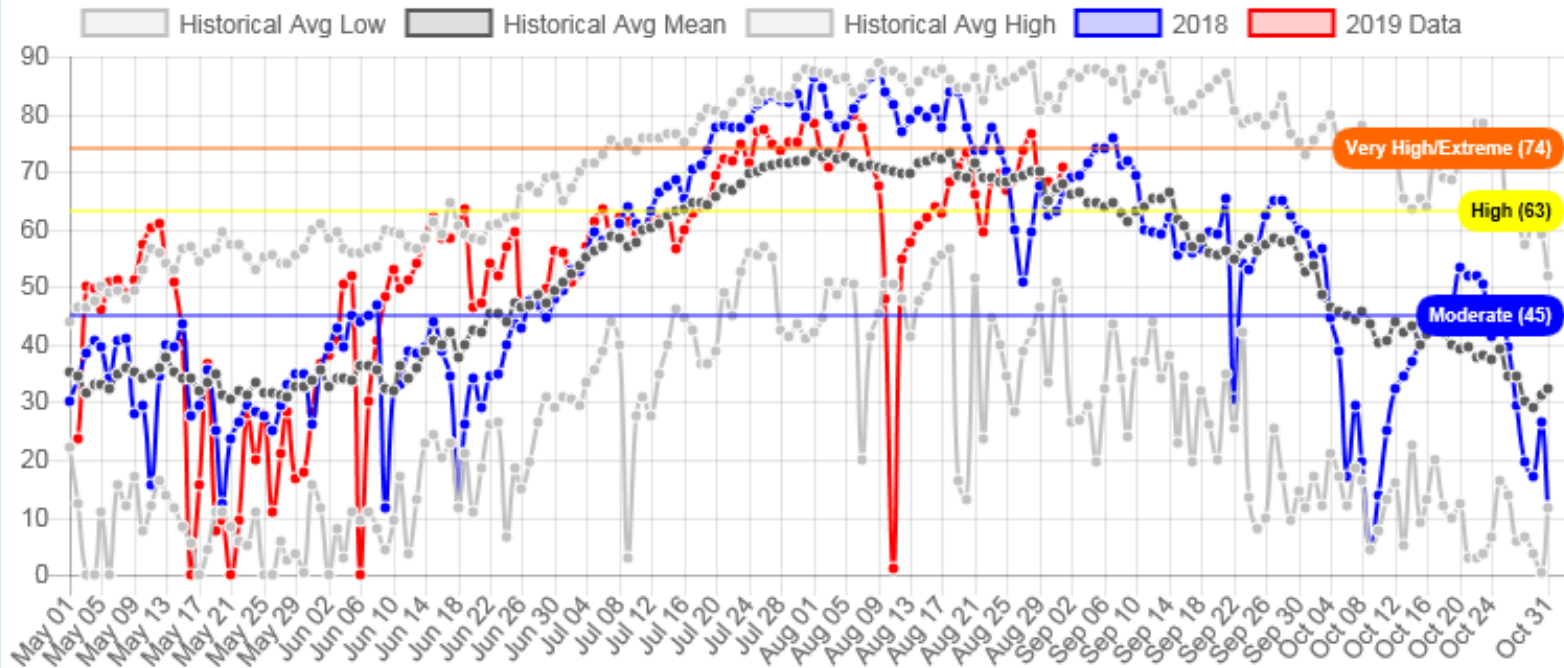


Energy Release Component

John Day - FDRA 13

CASE (7K2P2 - 50%) BOARD CREEK (7K2P2 - 50%)

(Analysis Period: 1995-2012)



So Far...

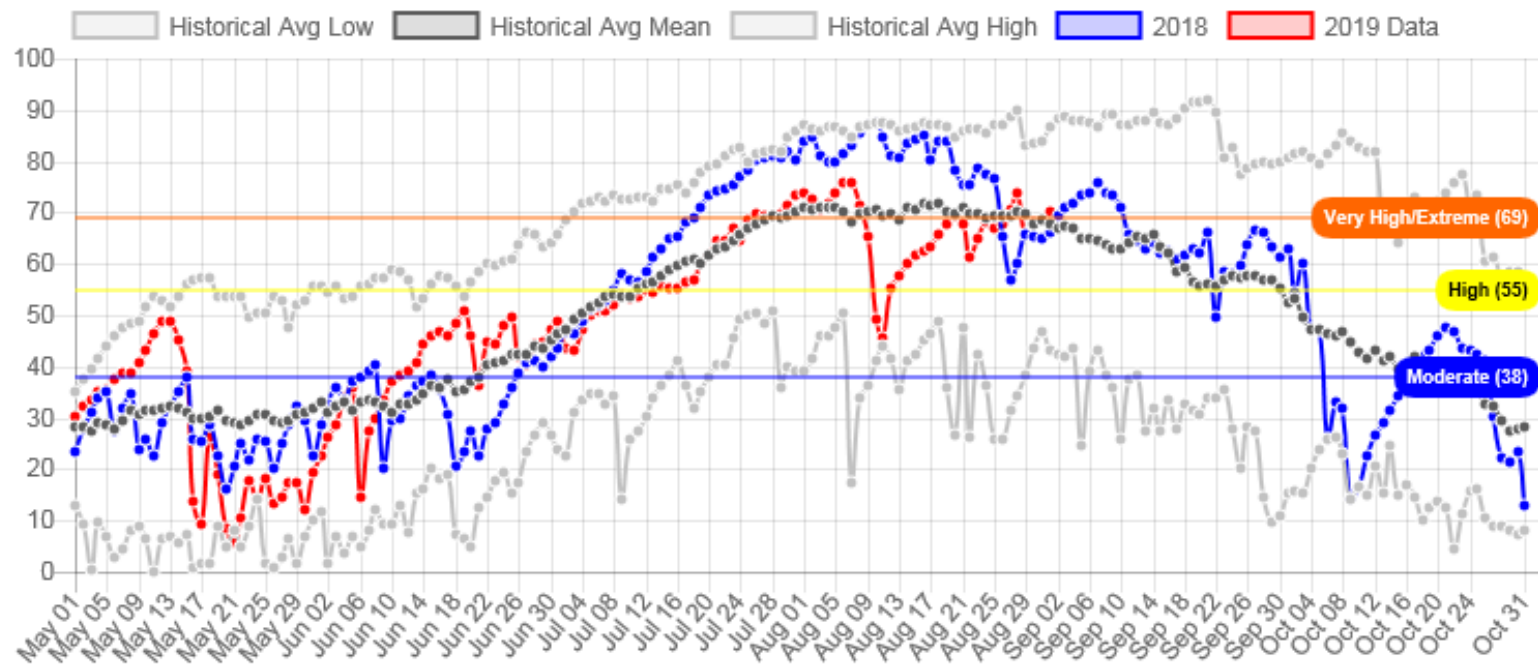


Energy Release Component

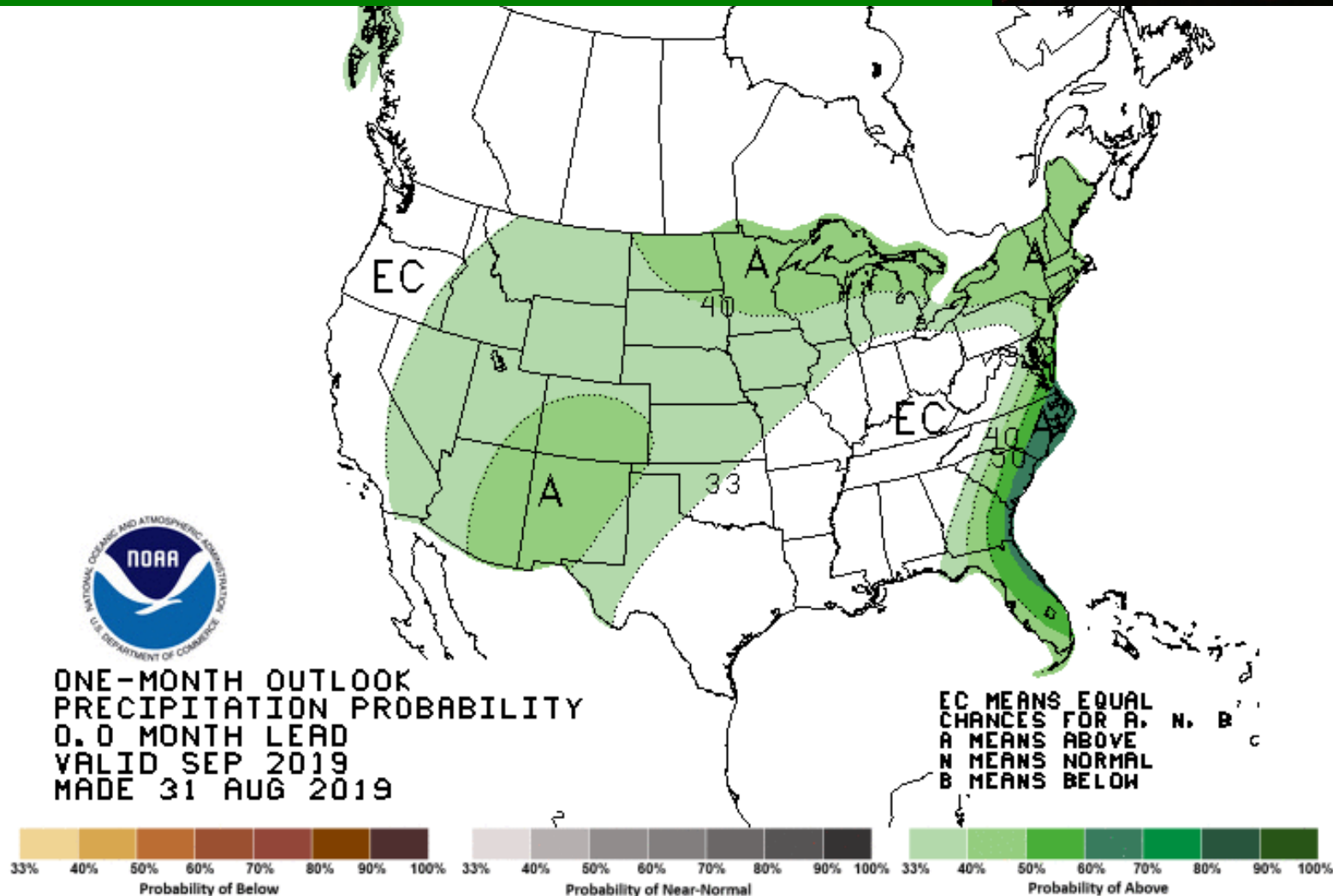
Northeast Oregon - FDRA 14

CASE (7G2P2 - 25%) EDEN (7G2P2 - 25%) J-RIDGE (7G2P2 - 25%) SPARTA BUTTE (7G3P2 - 25%)

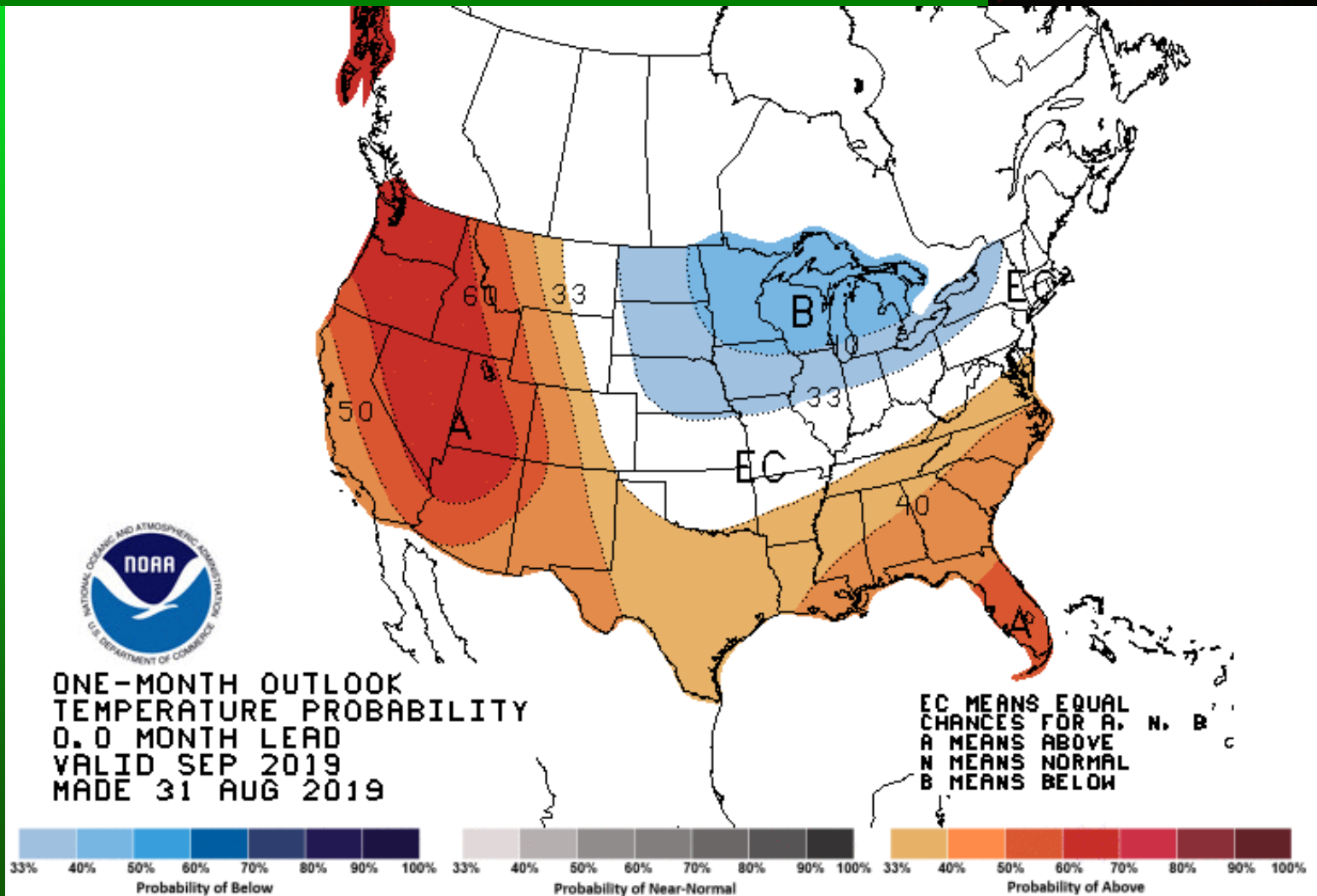
(Analysis Period: 1993-2012)



Remainder Fire Season – Sept Precip



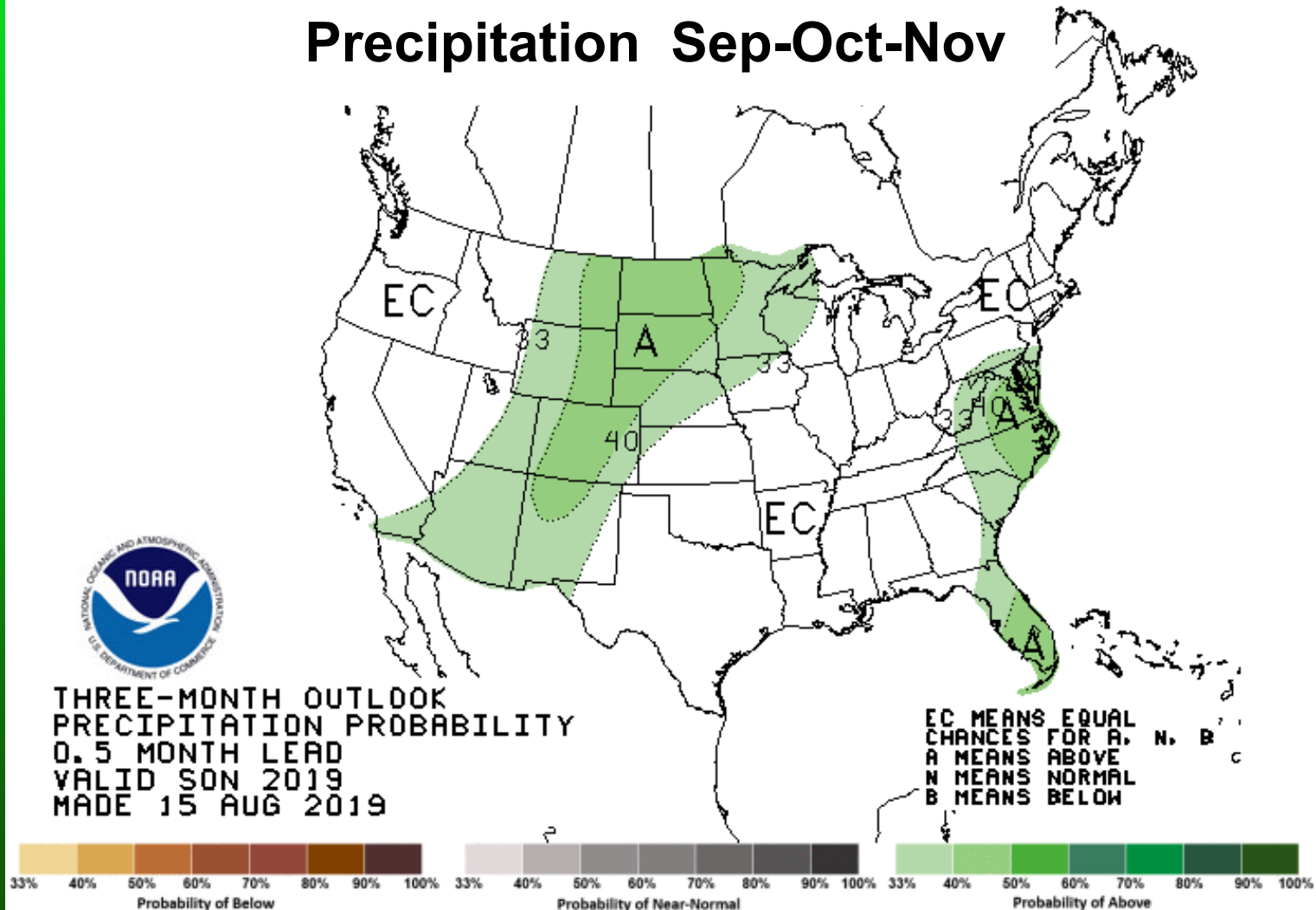
Remainder Fire Season – Sept Temp



Remainder Fire Season



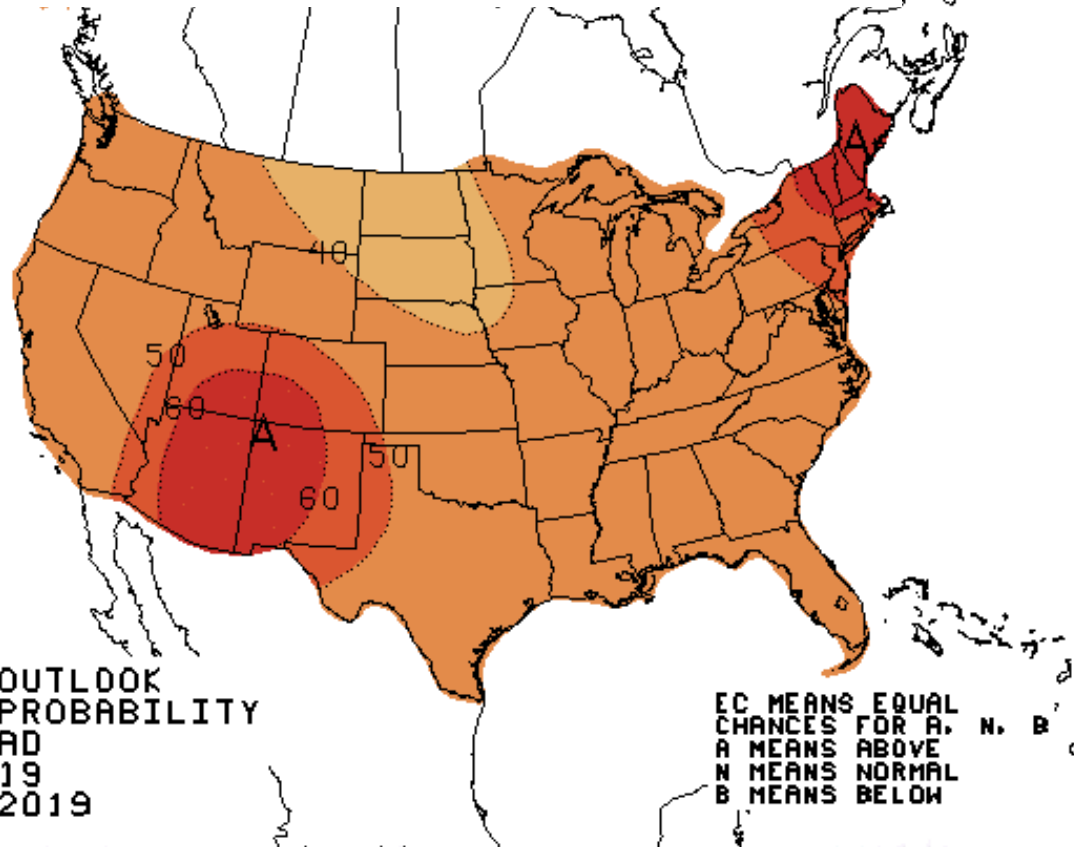
Precipitation Sep-Oct-Nov



Remainder Fire Season

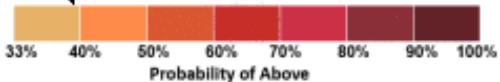
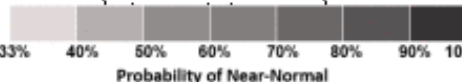


Temperature Sep-Oct-Nov

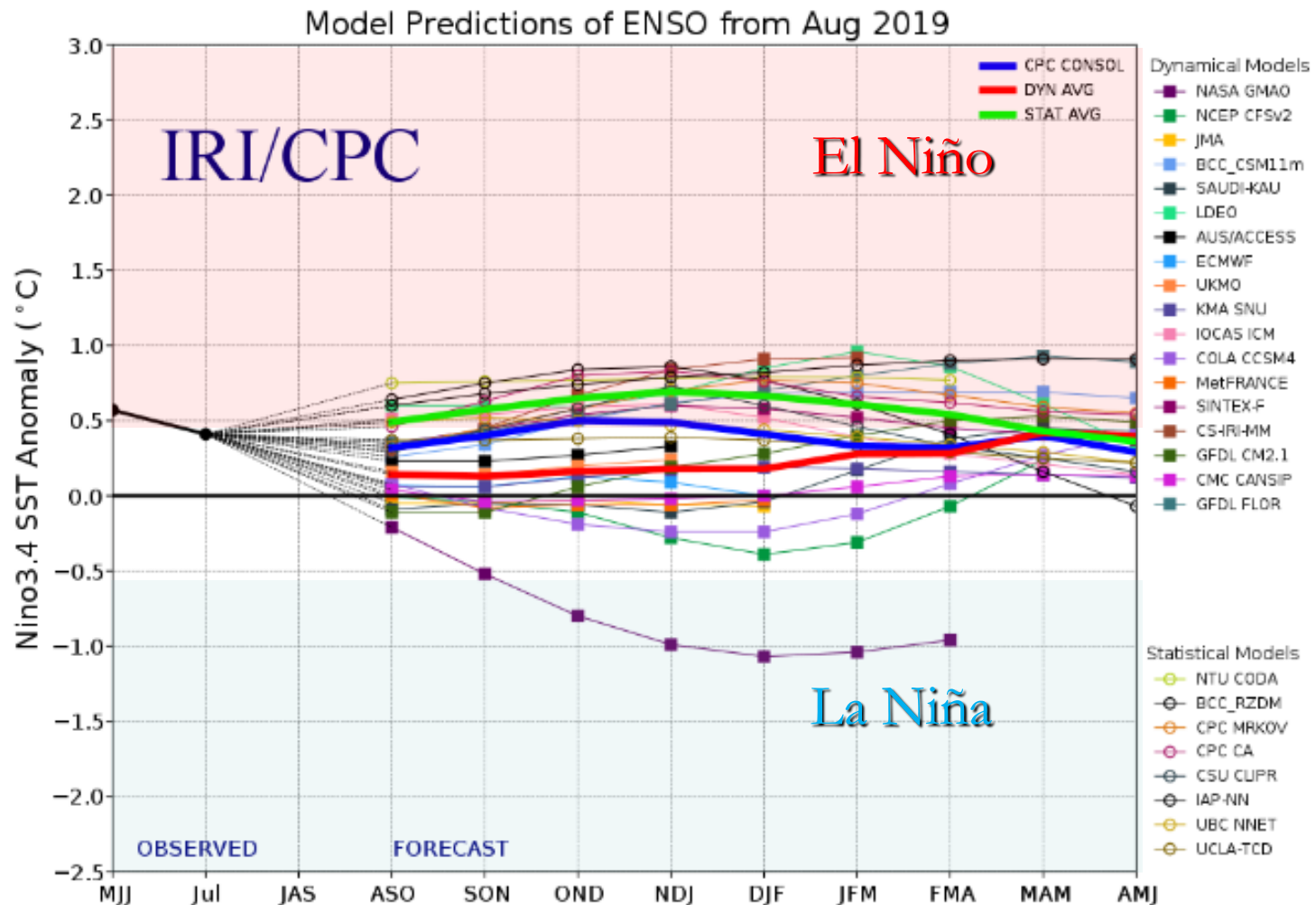


THREE-MONTH OUTLOOK
TEMPERATURE PROBABILITY
0.5 MONTH LEAD
VALID SON 2019
MADE 15 AUG 2019

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



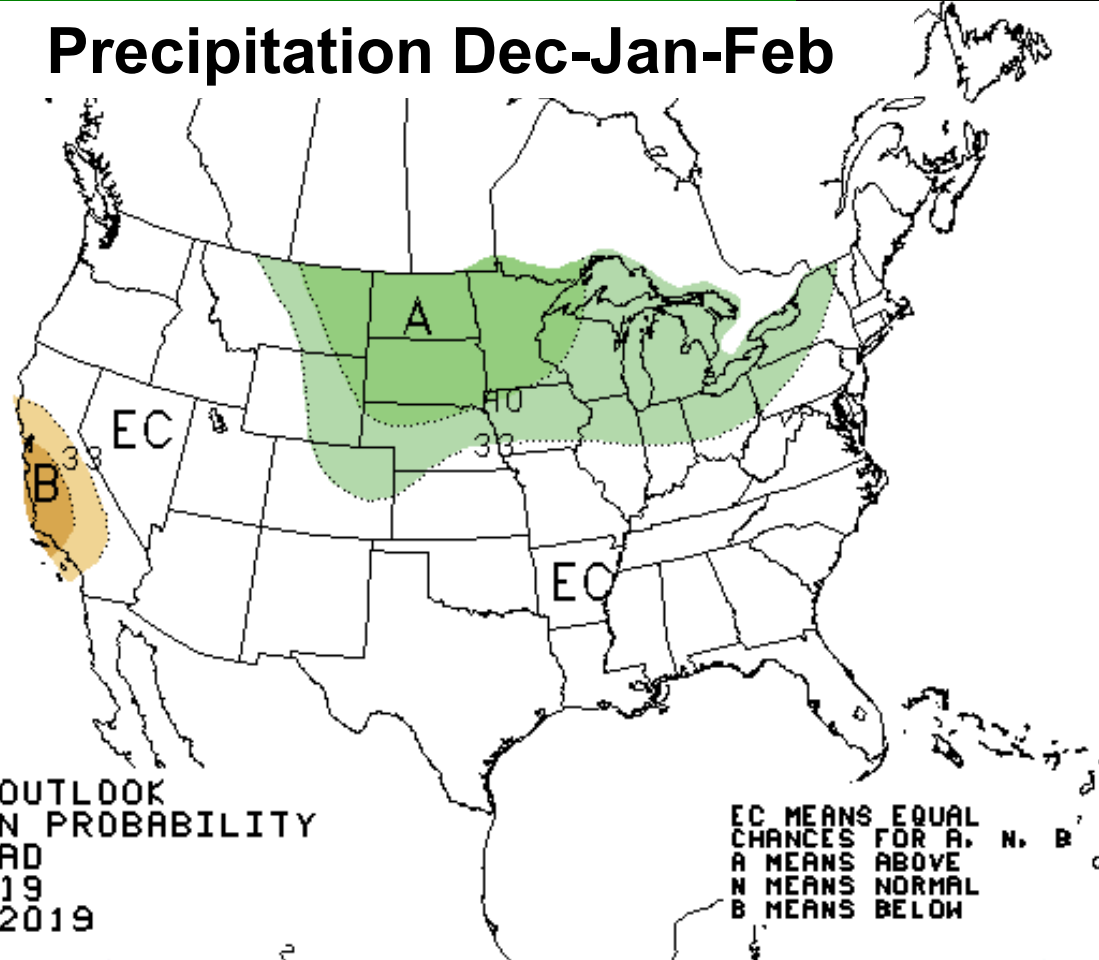
Looking Ahead: Winter/Summer



Looking Ahead: Winter/Summer

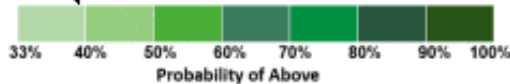
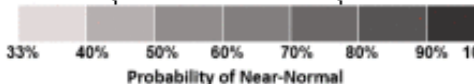
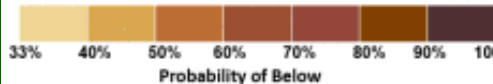


Precipitation Dec-Jan-Feb



THREE-MONTH OUTLOOK
PRECIPITATION PROBABILITY
3.5 MONTH LEAD
VALID DJF 2019
MADE 15 AUG 2019

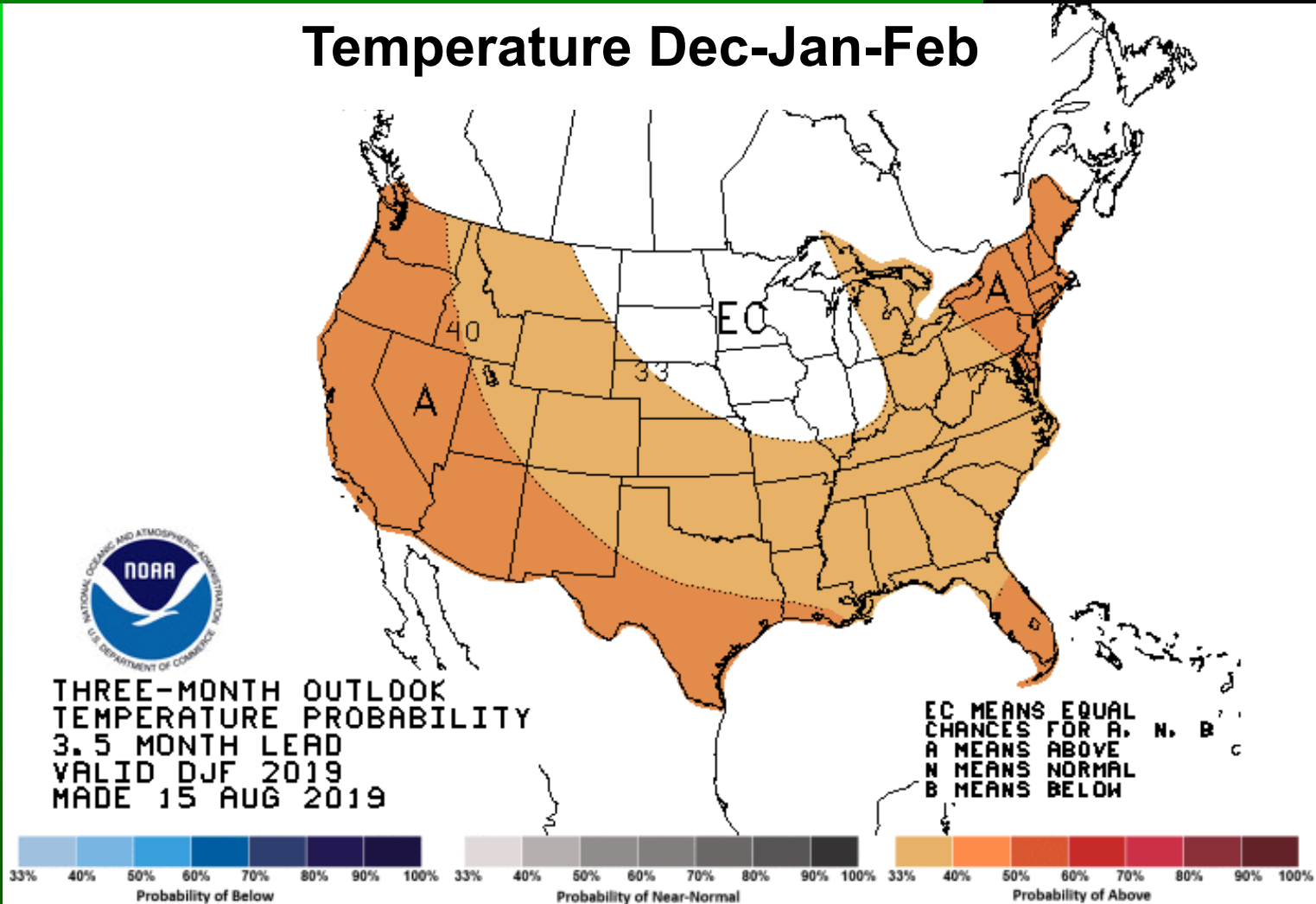
EC MEANS EQUAL
CHANCES FOR A, N, B
A MEANS ABOVE
N MEANS NORMAL
B MEANS BELOW



Looking Ahead: Winter/Summer



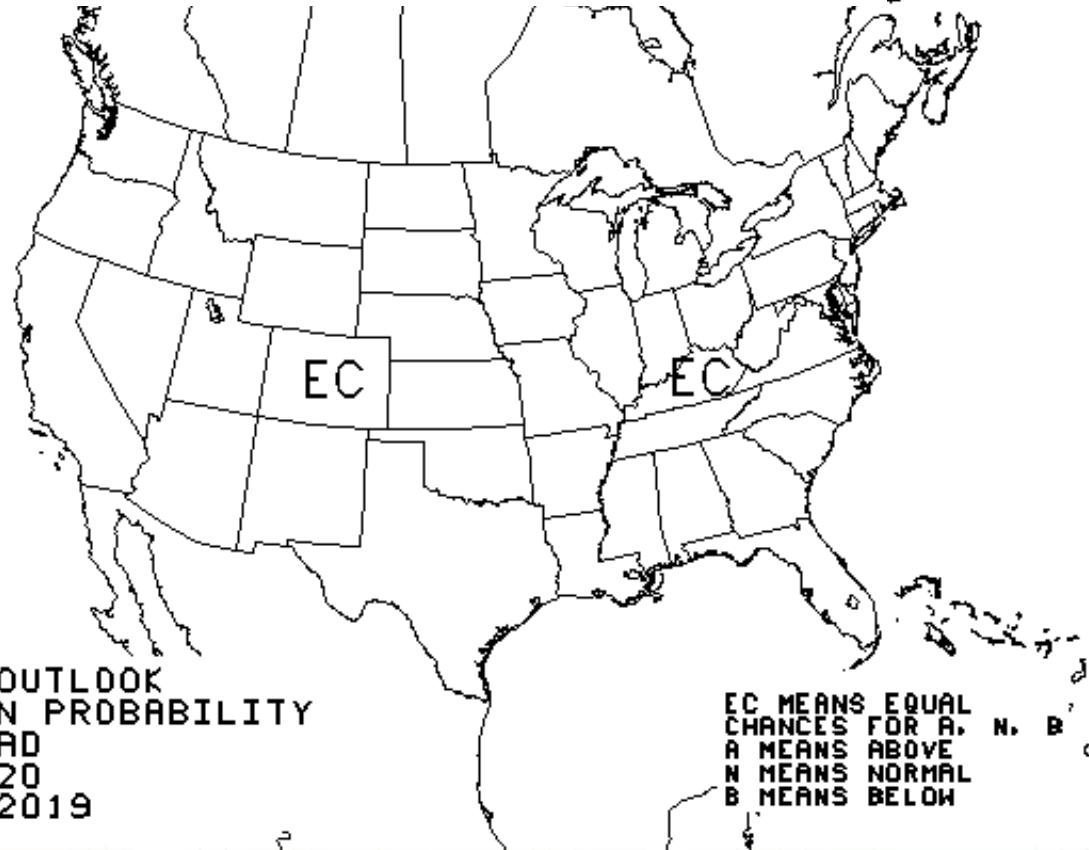
Temperature Dec-Jan-Feb



Looking Ahead: Winter/Summer

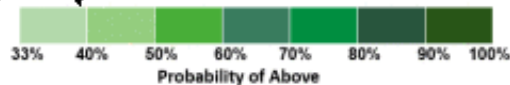
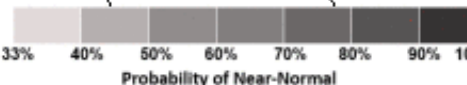
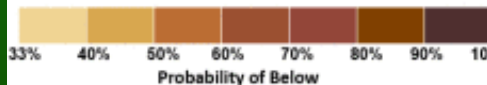


Precipitation Mar-Apr-May



THREE-MONTH OUTLOOK
PRECIPITATION PROBABILITY
6.5 MONTH LEAD
VALID MAM 2020
MADE 15 AUG 2019

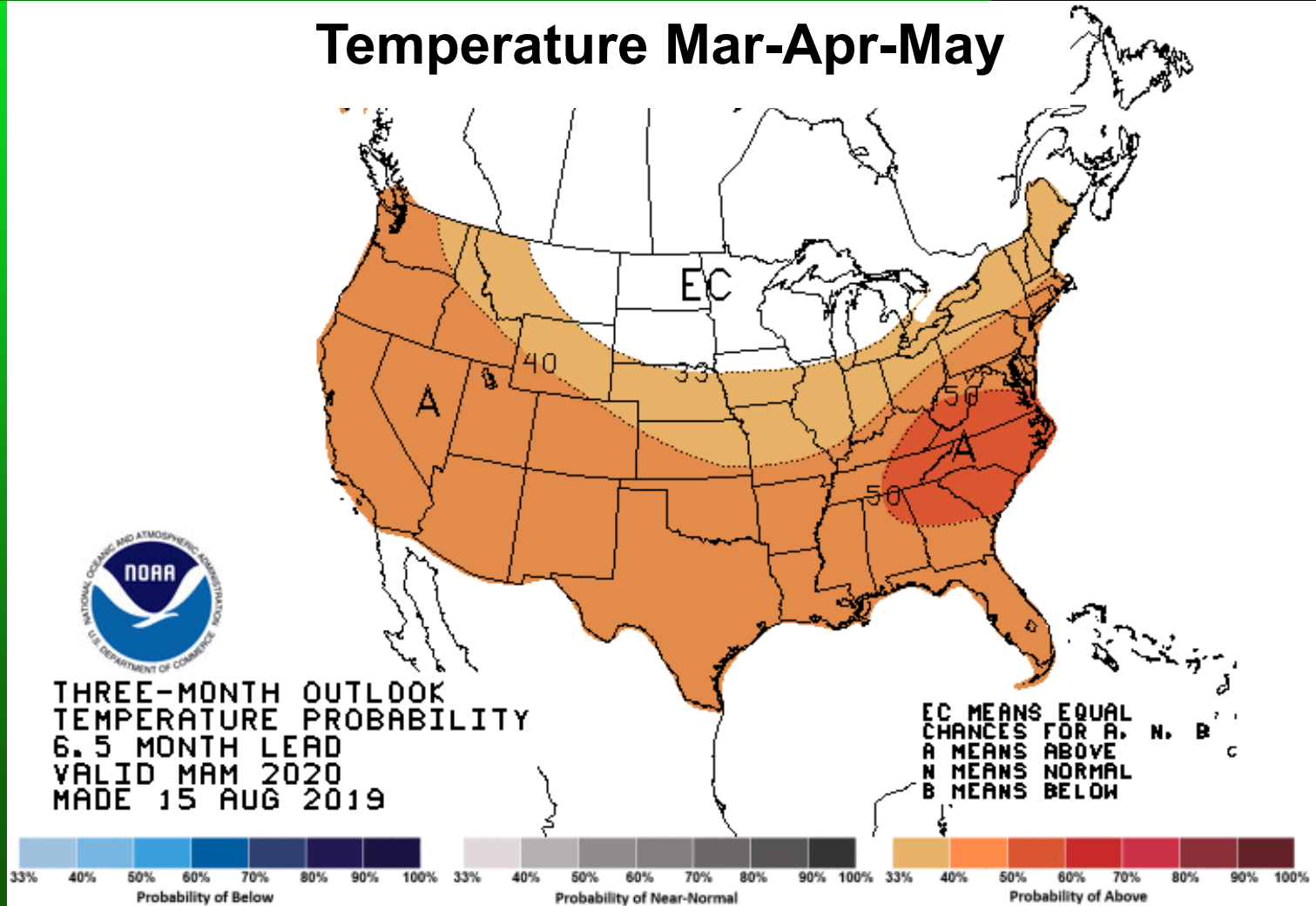
EC MEANS EQUAL
CHANCES FOR A, N, B
A MEANS ABOVE
N MEANS NORMAL
B MEANS BELOW



Looking Ahead: Winter/Summer



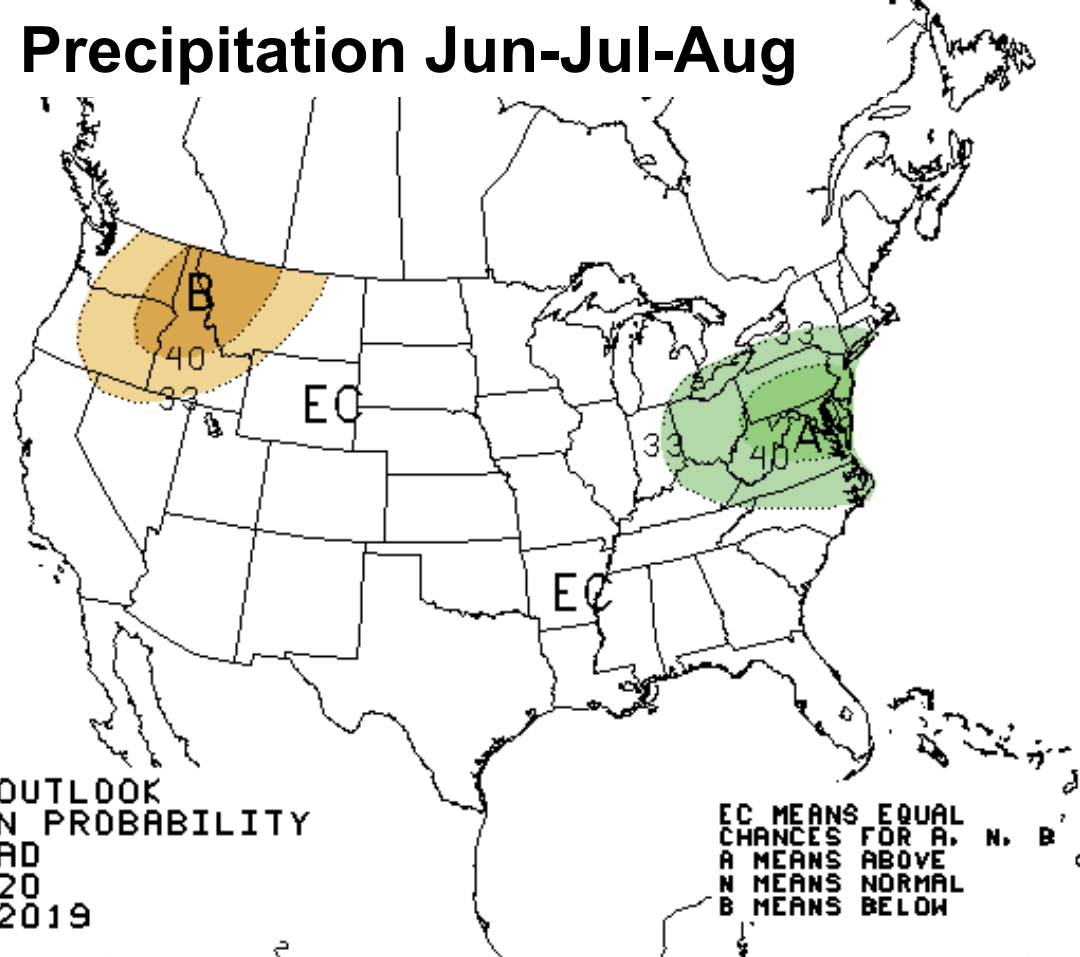
Temperature Mar-Apr-May



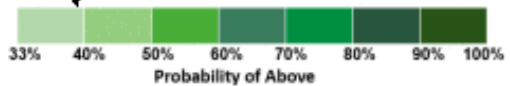
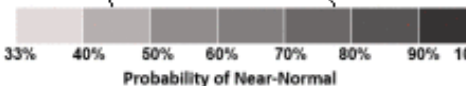
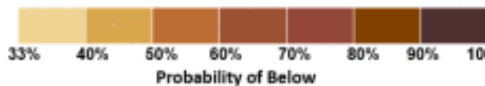
Looking Ahead: Winter/Summer



Precipitation Jun-Jul-Aug



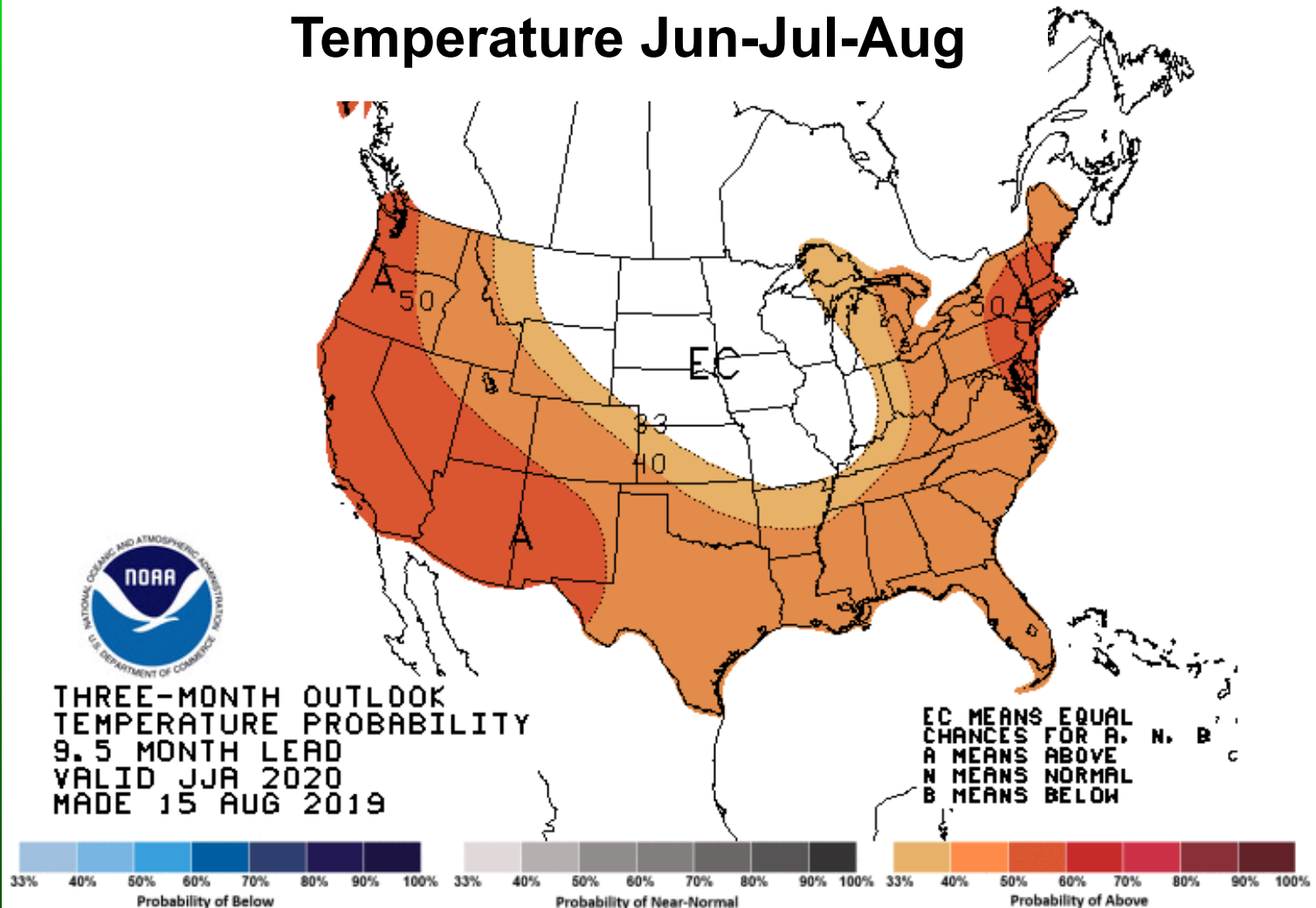
THREE-MONTH OUTLOOK
PRECIPITATION PROBABILITY
9.5 MONTH LEAD
VALID JJA 2020
MADE 15 AUG 2019



Looking Ahead: Winter/Summer



Temperature Jun-Jul-Aug



Bottom Line:



Bottom Line:



● **Shift to El Niño neutral this winter.**

Bottom Line:



- **Shift to El Niño neutral this winter.**
- **Persistent above normal temp forecast. No clear signal on precip.**

Bottom Line:



- **Shift to El Niño neutral this winter.**
- **Persistent above normal temp forecast. No clear signal on precip.**
- **Lean toward near normal fire season in 2020.**



EFCC Weather Update



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EFCC Weather Update



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EFCC Weather Update



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