

# The Winter In Review

2017 - 2018

National Weather Service  
Pendleton, Oregon

# Winter 2017-1018 Climate Summary

The climate summary for the winter 2017-2018 will be reviewed below. This past winter can be summarized as near normal, with a weak to moderate La Niña. The coldest and snowiest period was at the end of December with a significant snowstorm and very cold temperatures due to an arctic intrusion. There was also some light snow at the end of February into the first day of March. The lowest minimum temperature at the Pendleton Airport (NWS office) was 1 degree above zero on Christmas Eve morning. This is in second place from La Grande which had a low of -7 degrees F. However, after this cold snap in December, the rest of the winter was near normal except for the last week of February.



Christmas Day Snowstorm  
December, 2017



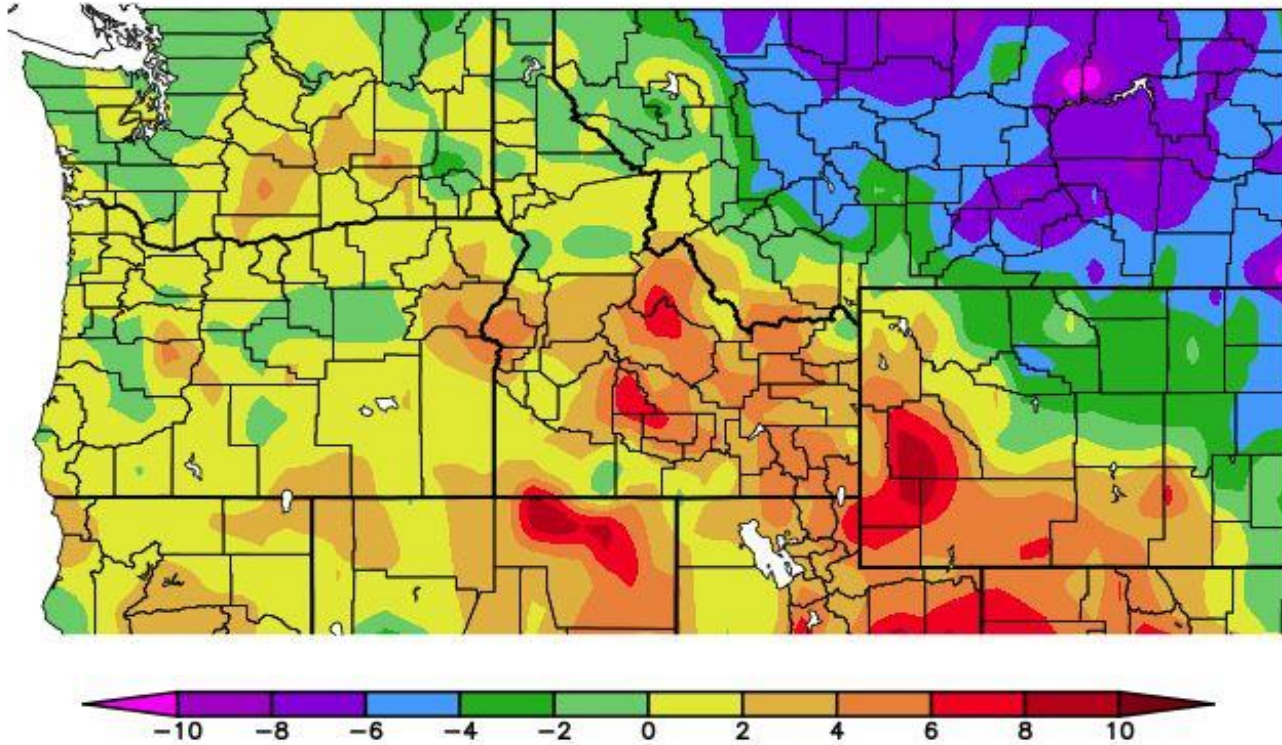
Christmas Eve Snowstorm  
December, 2017



Burst of snow at the end of  
February, 2018

# Departure from Normal Temperatures

Departure from Normal Temperature (F)  
12/1/2017 – 2/28/2018



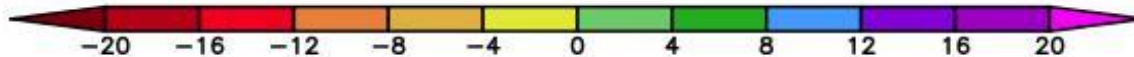
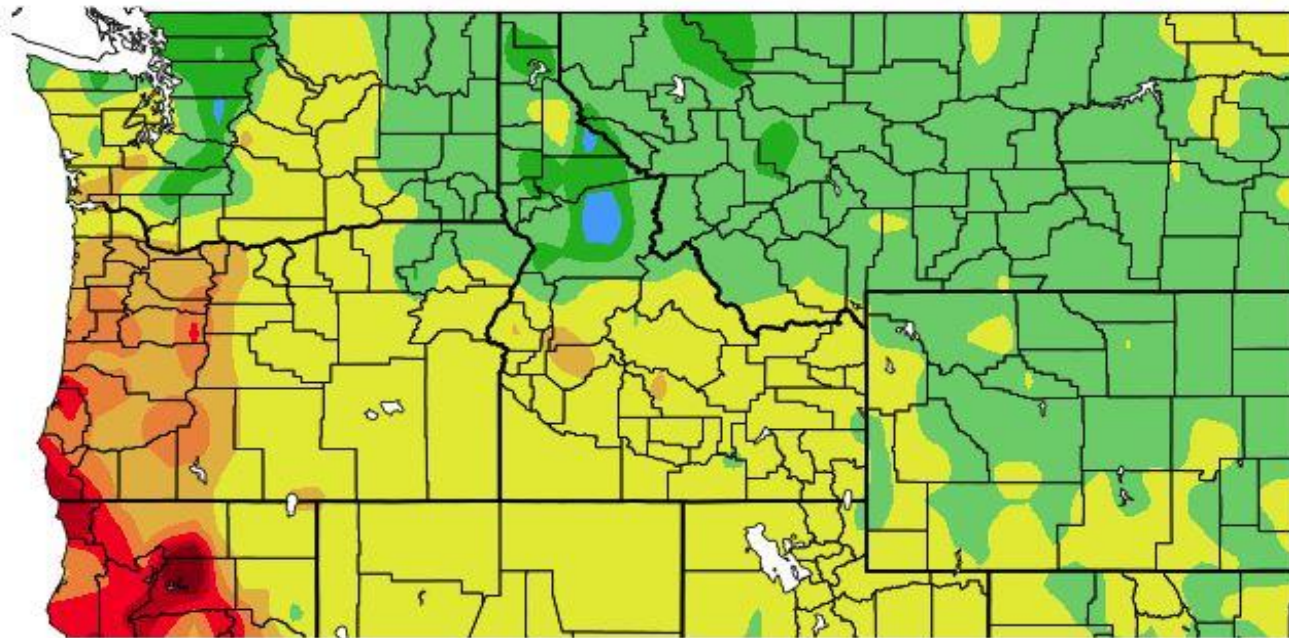
Generated 3/20/2018 at HPRCC using provisional data.

NOAA Regional Climate Centers

As the map shows, the forecast area and most of the Pacific Northwest had near to above normal temperatures for the winter season Dec – Feb 2017-2018.

# Departure from Normal Precipitation

Departure from Normal Precipitation (in)  
12/1/2017 – 2/28/2018



Generated 3/20/2018 at HPRCC using provisional data.

NOAA Regional Climate Centers

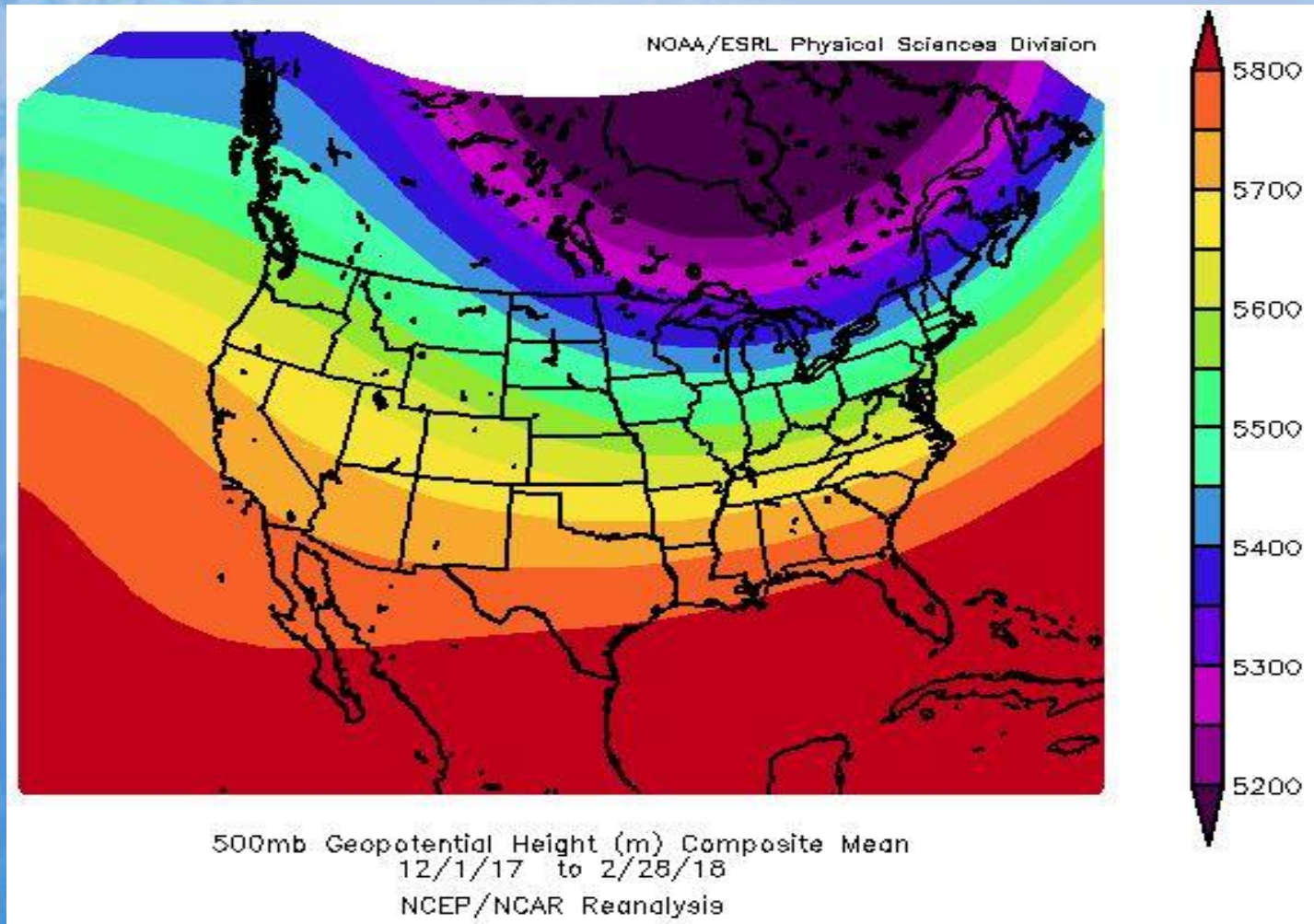
As the map shows, most of the Pacific Northwest and CWA had near to slightly below normal precipitation for the winter season Dec – Feb, 2017-2018.

# Winter 2017 – 2018 Totals & Averages for Select Cities

Station	Max T	Max T Avg	Min T	Min T Avg	Avg T	Precip Total	Snow Total
Yakima	69	45.1	11	27.5	36.4	1.45	1.7
Kennewick	66	44.3	16	31.6	37.9	2.65	4.5
Walla Walla	67	43.6	8	32.3	38.0	6.73	10.7
The Dalles	67	45.8	12	31.0	38.4	3.31	10.5
Redmond	70	44.5	-5	21.6	33.1	0.60	3.6
Pendleton	65	43.1	1	29.3	36.2	3.55	14.4
La Grande	63	41.4	-7	25.0	33.3	5.48	9.0

These temperatures and averages and total precipitation/snowfall indicate a warmer and drier than normal winter season 2017 - 2018. However, departure of averages are not available for the three month period (Dec, Jan & Feb).

# Winter 2017 – 2018 Average 500 MB Heights



This image shows that there was an overall ridge over the Pacific Northwest and forecast area (CWA). This resulted in an overall above average heights for the region for the season.

ZCZC PDXLSRPDT  
 NWUS56 KPDT 252359  
 PRELIMINARY LOCAL STORM  
 REPORT...SUMMARY  
 NATIONAL WEATHER SERVICE PENDLETON  
 OR  
 357 PM PST MON DEC 25  
 2017

..TIME... ..EVENT... ..CITY LOCATION...  
 ..LAT.LON...  
 ..DATE... ..MAG.... ..COUNTY LOCATION..ST.. ..SOURCE....

..REMARKS..

0350 AM	SNOW	TIETON	46.70N 120.75W
12/25/2017	E1.0 INCH	YAKIMA	WA PUBLIC
0350 AM	SNOW	HERMISTON	45.83N 119.28W
12/25/2017	E3.0 INCH	UMATILLA	OR PUBLIC
0350 AM	SNOW	MILTON-FREEWATER	45.93N 118.39W 12/25/2017 E2.0 INCH
		UMATILLA	OR PUBLIC
0357 AM	HEAVY SNOW	1 NNW PENDLETON	45.69N 118.82W
12/25/2017	M4.1 INCH	UMATILLA	OR OFFICIAL NWS OBS

SINCE SUNDAY  
 AFTERNOON.

# Heavy Snow on Christmas Day early in the Morning and on Christmas Eve



# Heavy Snow on Christmas Day early in the Morning and on Christmas Eve

0530 AM SNOW 7 E MOSIER 45.68N  
121.25W

12/25/2017 E3.0 INCH KLUICKITAT WA PUBLIC

STILL SNOWING.

0530 AM HEAVY SNOW PENDLETON 45.67N 118.82W

12/25/2017 M4.5 INCH UMATILLA OR NWS EMPLOYEE

ON THE SOUTH  
HILL.

0630 AM HEAVY SNOW E PENDLETON 45.67N 118.82W

12/25/2017 M5.0 INCH UMATILLA OR NWS EMPLOYEE

0700 AM SNOW RICHLAND 46.29N  
119.29W

12/25/2017 M2.5 INCH BENTON WA COCORAHS

24 HOUR ACCUMULATION

0700 AM SNOW 12 SSW CANYON CITY 44.23N 119.04W

12/25/2017 M2.4 INCH GRANT OR  
COCORAHS

24 HOUR ACCUMULATION





# Heavy Snow on Christmas Day early in the Morning and on Christmas Eve

0700 AM SNOW YAKIMA 46.59N  
120.53W  
12/25/2017 M2.1 INCH YAKIMA WA  
COCORAHS

24 HOUR ACCUMULATION

0720 AM SNOW 9 N ELGIN 45.69N  
117.92W  
12/25/2017 M4.4 INCH UNION OR  
COCORAHS

24 HOUR ACCUMULATION

0730 AM SNOW SUNNYSIDE 46.32N  
120.01W  
12/25/2017 E2.0 INCH YAKIMA WA PUBLIC

REPORT FROM FACEBOOK

0730 AM HEAVY SNOW UMATILLA 45.91N 119.33W  
12/25/2017 E5.0 INCH UMATILLA OR PUBLIC

REPORT VIA FACEBOOK. NEW SNOW ACCUMULATION THROUGH  
MONDAY  
MORNING.

0744 AM SNOW 2 NNE CONDON 45.26N  
120.17W  
12/25/2017 M2.2 INCH GILLIAM OR  
COCORAHS

24 HOUR ACCUMULATION



# Significant Weather Events – January 11<sup>th</sup>, 2018

ZCZC PDXLSRPDT

NWUS56 KPDT 120026

PRELIMINARY LOCAL STORM REPORT

NATIONAL WEATHER SERVICE PENDLETON OR

426 PM PST THU JAN 11 2018

..TIME... ..EVENT... ..CITY LOCATION... ..LAT..LON...  
..DATE... ..MAG.... ..COUNTY LOCATION..ST.. ..SOURCE....  
..REMARKS..

0403 PM HEAVY SNOW 9 SW SKI BLUEWOOD 45.98N 117.95W

01/11/2018 M10.0 INCH WALLOWA OR MESONET

THE MILK SHAKES SNOTEL RECORDED 10 INCHES OF SNOW  
ACCUMULATION IN UNDER 24 HOURS. ELEVATION 5580 FEET.

0403 PM HEAVY SNOW 3 NNW SKI BLUEWOOD 46.12N 117.85W

01/11/2018 M11.0 INCH COLUMBIA WA MESONET

THE TOUCHET SNOTEL REPORTED 11 INCHES OF SNOW  
ACCUMULATION IN UNDER 24 HOURS. ELEVATION 5530 FEET.

0403 PM HEAVY SNOW 8 SSW RIMROCK 46.55N 121.17W

01/11/2018 M11.0 INCH YAKIMA WA MESONET

THE GREEN LAKE SNOTEL RECORDED 11 INCHES OF SNOW  
ACCUMULATION IN UNDER 24 HOURS. ELEVATION 5920 FEET.

0403 PM HEAVY SNOW 6 NNW GLENWOOD 46.10N 121.33W

01/11/2018 M16.0 INCH YAKIMA WA MESONET

BUMPING RIDGE SNOTEL RECORDED 16 INCHES OF SNOW  
ACCUMULATION SINCE 7 PM THE PRIOR DAY. ELEVATION 4610  
FEET.

## Heavy Snow on the Cascade East Slopes & Wallowa County.

WSDOT I-90  
Snoqualmie Pass Summit



# Significant Weather Events – January 19<sup>th</sup>, 2018

ZCZC PDXLSRPDT				
NWUS56 KPDT 191601				
PRELIMINARY LOCAL STORM REPORT				
NATIONAL WEATHER SERVICE PENDLETON OR				
801 AM PST FRI JAN 19 2018				
..TIME...	...EVENT...	...CITY LOCATION...	...LAT.LON...	
..DATE...	....MAG....	..COUNTY LOCATION..ST..	....SOURCE....	
..REMARKS..				
0600 AM	SNOW	3 N JOSEPH	45.39N 117.23W	
01/19/2018	M2.5 INCH	WALLOWA	OR	TRAINED SPOTTER
0745 AM	SNOW	SE JOSEPH	45.35N 117.22W	
01/19/2018	M4.5 INCH	WALLOWA	OR	TRAINED SPOTTER
4.5 INCHES FELL IN 14 HRS.				

Moderate to heavy  
snow in Wallowa  
County



# Significant Weather Events – January 26th, 2018

ZCZC PDXLSRPDT					
NWUS56 KPDT 270215					
PRELIMINARY LOCAL STORM					
REPORT					
NATIONAL WEATHER SERVICE PENDLETON					
OR					
613 PM PST FRI JAN 26 2018					
..TIME... ..EVENT... ..CITY LOCATION...					
..LAT.LON...					
..DATE... ..MAG.... ..COUNTY LOCATION..ST.. ..SOURCE....					
..REMARKS..					
0600 PM	HEAVY SNOW	SW EASTON	47.23N	121.18W	
01/26/2018	M11.5 INCH	KITTITAS	WA	TRAINED	SPOTTER
SINCE 10AM THIS MORNING					
0600 PM	HEAVY SNOW	7 NNW EASTON	47.32N	121.25W	
01/26/2018	M16.0 INCH	KITTITAS	WA	TRAINED	SPOTTER
ACCUMULATION OVER THE LAST 26					
HOURS					

## Heavy Snow on the Cascade East Slopes



# Significant Weather Events – January 26th, 2018 (Continued)

ZCZC PDXLSRPDT				
NWUS56 KPDT 272349				
PRELIMINARY LOCAL STORM REPORT...SUMMARY				
NATIONAL WEATHER SERVICE PENDLETON OR				
349 PM PST SAT JAN 27 2018				
..TIME...	...EVENT...	...CITY LOCATION...	...LAT.LON...	
..DATE...	...MAG....	..COUNTY LOCATION..ST..	...SOURCE....	
..REMARKS..				
0600 PM	HEAVY SNOW	SW EASTON	47.23N 121.18W	
01/26/2018	M11.5 INCH	KITTTITAS	WA	TRAINED SPOTTER
SINCE 10AM THIS MORNING				
0731 PM	HEAVY SNOW	5 ENE EASTON	47.25N 121.06W	
01/26/2018	M8.0 INCH	KITTTITAS	WA	DEPT OF HIGHWAYS
ACCUMULATION SINCE THIS MORNING AND STILL SNOWING. ELEVATION 2250 FT.				
0740 PM	HEAVY SNOW	2 SSE SNOQUALMIE PASS	47.39N 121.39W	
01/26/2018	M20.0 INCH	KITTTITAS	WA	TRAINED SPOTTER
ACCUMULATION OVER THE LAST 36 HOURS. STILL SNOWING. ELEVATION 2568 FT.				
0700 AM	SNOW	2 WNW BEND	44.08N 121.35W	
01/27/2018	M2.8 INCH	DESCHUTES	OR	COCORAHS
24 HOUR COCORAHNS REPORT. ALL SNOW FELL AFTER 10 PM.				
ELEVATION 3786 FEET.				

Heavy Snow on  
the Cascades  
East Slopes &  
Central OR.



# Significant Weather Events – January 27th, 2018

0700 AM SNOW 2 WNW SISTERS 44.30N 121.59W  
 01/27/2018 E2.5 INCH DESCHUTES OR COCORAHS

24 HOUR COCORAHS REPORT. ALL SNOW FELL AFTER 10 PM.  
 ELEVATION 3235 FEET.

0733 AM SNOW 9 N ELGIN 45.69N 117.92W  
 01/27/2018 M2.0 INCH UNION OR CO-OP OBSERVER

24 HOUR COCORAHS REPORT. ELEVATION 2873 FEET.

0800 AM SNOW 11 NNW NACHES 46.88N 120.79W  
 01/27/2018 M2.5 INCH YAKIMA WA COCORAHS

24 HOUR COCORAHS REPORT

0830 AM HEAVY SNOW NW EASTON 47.23N 121.18W  
 01/27/2018 M10.0 INCH KITTTITAS WA CO-OP OBSERVER

24 HR SNOWFALL 10 INCHES...TOTAL SNOW DEPTH 26  
 INCHES...MELTED SNOW/RAIN 0.73 INCH. EASTON DAM.

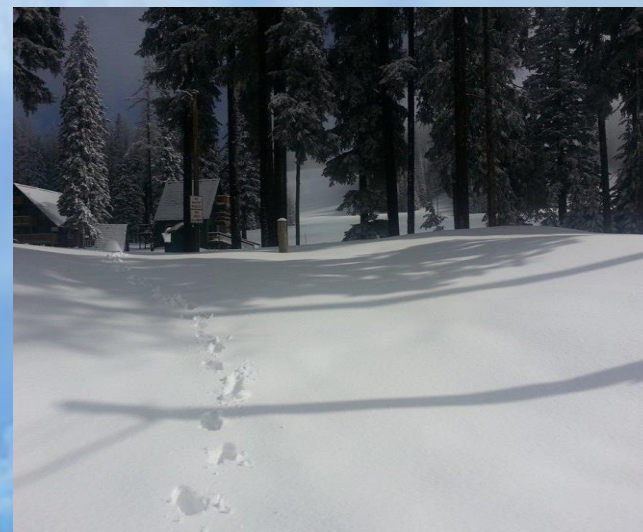
0900 AM SNOW TIETON 46.70N 120.75W  
 01/27/2018 M3.0 INCH YAKIMA WA PUBLIC

OVERNIGHT ACCUMULATION. REPORT FROM FACEBOOK.

0900 AM HEAVY SNOW 7 NNW EASTON 47.32N 121.25W  
 01/27/2018 M20.0 INCH KITTTITAS WA TRAINED SPOTTER

STORM TOTAL 48 HR SNOWFALL 20 INCHES...2 OF THOSE INCHES  
 FELL PAST 12 HRS. CURRENTLY 33 DEGREES AND NOT SNOWING.

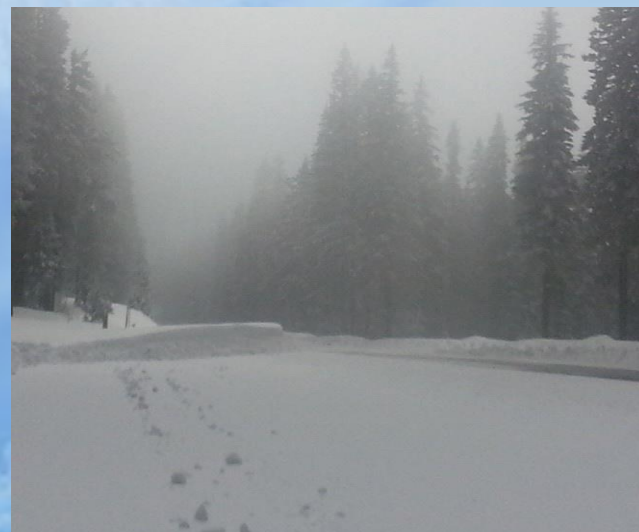
Heavy Snow on  
 the Cascade East  
 Slopes, North  
 Central OR &  
 NE Oregon.



# Significant Weather Events – January 27th, 2018 (Continued)

0900 AM	HEAVY SNOW	SW EASTON	47.23N 121.18W
01/27/2018	M15.5 INCH	KITTITAS	WA TRAINED SPOTTER
10	TOTAL ACCUMULATION SINCE 10 AM FRIDAY. 7.5 INCHES FROM		
	AM UNTIL 4 PM, 4 INCHES FROM 4 PM TO 7 PM AND ANOTHER 4		
	INCHES OVERNIGHT.		
1000 AM	SNOW	N TROUT LAKE	46.00N 121.53W
01/27/2018	M4.5 INCH	KLICKITAT	WA TRAINED SPOTTER
	RECEIVED 4.5 INCHES		
	OVERNIGHT.		
0700 AM	SNOW	6 ESE PAULINA	44.10N 119.85W
01/27/2018	M1.5 INCH	CROOK	OR COCORAHS
	24 HOUR COCORAHS REPORT. ELEVATION 3952 FEET.		

Heavy Snow on  
the Cascade East  
Slopes & North  
Central Oregon.



# Significant Weather Events

During the month of February, 2018, there were several wind events and several moderate to heavy snow events. These are summarized in the tables below of/from Local Storm Reports (LSRs) of the most significant events.

## February 17<sup>th</sup>, 2018 High Wind Event

..TIME...	..EVENT...	..CITY LOCATION...	..LAT..LON...
..DATE...	..MAG....	..COUNTY LOCATION..ST..	..SOURCE....
..REMARKS..			
1258 PM	NON-TSTM WND GST 11 S	CEILO	45.48N 120.95W
02/17/2018	M62.00 MPH	WASCO	OR MESONET
0127 PM	NON-TSTM WND GST 13 WSW	MIKKALO	45.38N 120.46W
02/17/2018	E90.00 MPH	GILLIAM	OR MESONET
0131 PM	NON-TSTM WND GST 1 SE	MARYHILL	45.68N 120.80W
02/17/2018	M68.00 MPH	SHERMAN	OR MESONET
0140 PM	NON-TSTM WND GST 4 NW	WEST RICHLAND	46.36N 119.46W
02/17/2018	M68.00 MPH	BENTON	WA MESONET
0154 PM	NON-TSTM WND GST W	IONE	45.50N 119.83W
02/17/2018	M60.00 MPH	MORROW	OR MESONET
ZCZC PDXLSRPDT			
0157 PM	NON-TSTM WND DMG 1 NNE	SISTERS	44.30N 121.54W
02/17/2018		DESCHUTES	OR TRAINED SPOTTER
TRAINED SPOTTER REPORTED A 2 FEET IN DIAMETER TREE BLOWN OVER WITH WINDS ESTIMATED AT ABOVE 50 MPH AND GUSTS NEAR 70. A SECOND TREE, SPLIT AT THE TOP WHERE THE DIAMETER MEASURED AROUND 1 1/2 FEET IN DIAMETER.			



## February 17<sup>th</sup>, 2018 High Wind Event - Continued

0200 PM	NON-TSTM WND GST 5 WSW SHANIKO	44.99N 120.85W
02/17/2018	M60.00 MPH WASCO	OR MESONET
0215 PM	NON-TSTM WND GST 6 SW BASIN CITY	46.54N 119.24W
02/17/2018	M60.00 MPH FRANKLIN	WA MESONET
0215 PM	NON-TSTM WND GST 1 NW HEPPNER	45.36N 119.56W
02/17/2018	M63.00 MPH MORROW	OR MESONET
0215 PM	NON-TSTM WND GST 1 NNE SISTERS	44.30N 121.54W
02/17/2018	M66.00 MPH DESCHUTES	OR MESONET
0223 PM	NON-TSTM WND GST 4 WSW ALDERDALE	45.82N 120.00W
02/17/2018	M65.00 MPH KLUCKITAT	WA MESONET
0225 PM	NON-TSTM WND GST 2 S ROOSEVELT	45.72N 120.21W
02/17/2018	M58.00 MPH GILLIAM	OR MESONET
0227 PM	NON-TSTM WND GST 1 E HERMISTON	45.83N 119.26W
02/17/2018	M64.00 MPH UMATILLA	OR ASOS
0233 PM	NON-TSTM WND GST 4 NE LYLE	45.73N 121.22W
02/17/2018	M60.00 MPH KLUCKITAT	WA MESONET
0237 PM	NON-TSTM WND GST E GOODNOE HILLS	45.75N 120.47W
02/17/2018	M62.00 MPH KLUCKITAT	WA MESONET
0308 PM	NON-TSTM WND GST 1 N CITY OF THE DALLES	45.62N 121.17W
02/17/2018	E63.00 MPH KLUCKITAT	WA ASOS

## February 17<sup>th</sup>, 2018 High Wind Event - Continued

0316 PM	HIGH SUST WINDS	2 NNW	PENDLETON	45.70N	118.83W				
02/17/2018	M48.00 MPH		UMATILLA			OR	ASOS		
0317 PM	NON-TSTM WND	DMG 1	NW	UMATILLA	45.92N	119.34W			
02/17/2018			UMATILLA			OR	TRAINED SPOTTER		
NUMEROUS POWER OUTAGES DUE TO STRONG WINDS									
0318 PM	NON-TSTM WND	GST 4	SSW	FOSSIL	44.94N	120.23W			
02/17/2018	M61.00 MPH		WHEELER			OR	MESONET		
0354 PM	NON-TSTM WND	GST 3	WSW	KOOSKOOSKIE	45.99N	118.18W			
02/17/2018	M72.00 MPH		UMATILLA			OR	MESONET		
&&									

This event was mainly a wind event which occurred over much of central and north central Oregon and south central Washington. It resulted in many occurrences of high winds with downed trees and power outages. There was some light precipitation with this event's cold front, but the main impacts were due to high winds with a strong, but relatively dry cold front. This was followed a day later with a modified arctic push on the 18<sup>th</sup> that produced mainly just light snow across the forecast area. The areas that did receive snowfall only measured mostly less than an inch except for a few isolated areas of several inches, which did not meet advisory or warning criteria.

# February 24-25 Heavy Snow Event over the area mountains From central Oregon to the Northeast Blue Mountains:

PRELIMINARY LOCAL STORM REPORT...SUMMARY

NATIONAL WEATHER SERVICE PENDLETON OR

636 AM PST SUN FEB 25 2018

..TIME... ..EVENT... ..CITY LOCATION... ..LAT.LON...  
..DATE... ..MAG.... ..COUNTY LOCATION..ST.. ..SOURCE....  
..REMARKS..

0600 AM SNOW 4 NW MEACHAM 45.55N 118.47W  
02/24/2018 M3.0 INCH UMATILLA OR TRAINED SPOTTER

ACCUMULATION OVERNIGHT

0600 AM SNOW 2 WNW SISTERS 44.30N 121.59W  
02/24/2018 M2.3 INCH DESCHUTES OR COCORAHS

0651 AM SNOW 1 WSW CITY OF THE DALLE 45.59N 121.20W  
02/24/2018 M2.5 INCH WASCO OR TRAINED SPOTTER

ACCUMULATION OVERNIGHT

0700 AM SNOW 1 S BEND 44.05N 121.31W  
02/24/2018 M3.6 INCH DESCHUTES OR COCORAHS

0710 AM SNOW 2 SW GOLDENDALE 45.80N 120.84W  
02/24/2018 M3.0 INCH KLICKITAT WA CO-OP OBSERVER

0730 AM SNOW SSW TROUT LAKE 46.00N 121.53W  
02/24/2018 M2.9 INCH KLICKITAT WA COCORAHS

0800 AM SNOW 1 SSW SNOWDEN 45.82N 121.36W  
02/24/2018 M5.0 INCH KLICKITAT WA CO-OP OBSERVER

0815 AM SNOW 9 N ELGIN 45.69N 117.92W  
02/24/2018 M5.8 INCH UNION OR COCORAHS

# February 24-25 Heavy Snow Event over the area mountains From central Oregon to the Northeast Blue Mountains - Continued

0900 AM HEAVY SNOW 1 WSW SKI BLUEWOOD 46.08N 117.85W

02/24/2018 M10.0 INCH COLUMBIA WA TRAINED SPOTTER

ACCUMULATION SINCE LAST NIGHT

0924 AM HEAVY SNOW 5 NNE LA GRANDE 45.39N 118.07W

02/24/2018 M5.3 INCH UNION OR TRAINED SPOTTER

3.5 INCHES OVERNIGHT THROUGH 7 AM, 5.3 INCHES TOTAL

0930 AM SNOW 1 NW EASTON 47.24N 121.19W

02/24/2018 M8.0 INCH KITTTITAS WA CO-OP OBSERVER

24 HOUR ACCUMULATION

1200 PM HEAVY SNOW 5 SW SPOUT SPRINGS 45.70N 118.11W

02/24/2018 M12.0 INCH UMATILLA OR MESONET

THE HIGH RIDGE SNOTEL REPORTED 12 INCHES OF SNOW

ACCUMULATION SINCE MIDNIGHT. ELEVATION 4920 FEET.

1200 PM HEAVY SNOW 3 NNW SKI BLUEWOOD 46.12N 117.85W

02/24/2018 M10.0 INCH COLUMBIA WA MESONET

THE TOUCHET SNOTEL REPORTED 10 INCHES OF SNOW

ACCUMULATION SINCE MIDNIGHT. ELEVATION 5530 FEET.

1200 PM HEAVY SNOW 9 SW SKI BLUEWOOD 45.98N 117.95W

02/24/2018 M9.0 INCH WALLOWA OR MESONET

THE MILK SHAKES SNOTEL REPORTED 9 INCHES OF SNOW

ACCUMULATION SINCE MIDNIGHT. ELEVATION 5580 FEET.

## February 24-25 Heavy Snow Event over the area mountains From central Oregon to the Northeast Blue Mountains - Continued

1210 PM	HEAVY SNOW	2 SSW CAMP SHERMAN	44.44N 121.66W
02/24/2018	M7.0 INCH	JEFFERSON	OR TRAINED SPOTTER

12 HOUR ACCUMULATION

0138 PM	SNOW	TOLLGATE	45.78N 118.11W
02/24/2018	M7.0 INCH	UMATILLA	OR PUBLIC

SNOW ACCUMULATION SINCE LAST NIGHT. STILL SNOWING.  
 ELEVATION 5077 FEET.

0138 PM	HEAVY SNOW	1 WSW SKI BLUEWOOD	46.08N 117.85W
02/24/2018	M15.0 INCH	COLUMBIA	WA TRAINED SPOTTER

2 INCHES OVERNIGHT, 13 INCHES SINCE 445 AM.

&&

This event was mainly a sharp modified arctic cold front which brought light to moderate snow to the forecast area, but the main impacts were the influx of significant arctic cold air. Over the next couple of days of these last days of February, temperatures dropped to near or below record low temperatures which will be listed in a few slides. For the remainder of the month daytime highs were a bit below normal, with near record cold night time lows and mainly light snow events.

# Some Record Cold Temperatures for February In the Forecast Area

Some record high temperatures occurred at the beginning of the month, but most of the record were record lows during the latter half of February

## February 1<sup>st</sup> record highs

STATION	PREVIOUS RECORD/YEAR	NEW RECORD	RECORDS BEGAN
REDMOND, OR	65 / 1976	65 (TIED)	1941
THE DALLES, OR	59 / 2015	62	1929
YAKIMA, WA	58 / 1982	63	1909

## February 3<sup>rd</sup> record highs

STATION	PREVIOUS RECORD/YEAR	NEW RECORD	RECORDS BEGAN
THE DALLES, OR	60 / 1967	63	1929
YAKIMA, WA	61 / 1962	66	1909

## February 5<sup>th</sup> record highs

STATION	PREVIOUS RECORD/YEAR	NEW RECORD	RECORDS BEGAN
THE DALLES, OR	57 / 1958	60	1929
YAKIMA, WA	58 / 1991	61	1909

## February 8<sup>th</sup> record highs

STATION	PREVIOUS RECORD/YEAR	NEW RECORD	RECORDS BEGAN
*LA GRANDE(CITY), OR	63 / 2015	63 (TIED)	1887
*PRINEVILLE, OR	64 / 1996	66	1897
*SISTERS, OR	59 / 2006	66	1958
*GOLDENDALE, WA	55 / 2015	62	1905
*SATUS PASS, WA	53 / 1974	53 (TIED)	1967
YAKIMA,WA	58 / 1995	64	1909



# Some Record Temperatures for February In the Forecast Area

Some record low temperatures for the latter half of February

## February 21st record lows

STATION	PREVIOUS RECORD/YEAR	NEW RECORD	RECORDS BEGAN
*LA GRANDE(CITY), OR	12 / 2006	10	1887
*LONG CREEK, OR	9 / 1975	7	1908
*MORO, OR	7 / 1918	3	1897
THE DALLES, OR	16 / 1993	16 (TIED)	1929
*BICKLETON, WA	6 / 1957	5	1927
*WHITMAN MISSION, WA	18 / 2010	17	1962

## February 23rd record lows

STATION	PREVIOUS RECORD/YEAR	NEW RECORD	RECORDS BEGAN
*HEPPNER, OR	12 / 1910	9	1889
*JOHN DAY(CITY), OR	12 / 2015	5	1891
*LA GRANDE(CITY), OR	18 / 2015	13	1887
*LONG CREEK, OR	9 / 1960	1	1908
MEACHAM, OR	3 / 2003	-2	1929
*PELTON DAM, OR	12 / 1960	6	1958
PENDLETON(ARPT), OR	19 / 2015	12	1934
*PENDLETON(ES), OR	15 / 2015	6	1932
REDMOND, OR	10 / 2015	-5	1941
THE DALLES, OR	20 / 2015	13	1929
*GOLDENDALE, WA	14 / 1910	1	1905
WALLA WALLA, WA	20 / 1957	19	1930
YAKIMA,WA	16 / 1993	11	1909

## February 27th record lows

STATION	PREVIOUS RECORD/YEAR	NEW RECORD	RECORDS BEGAN
*LA GRANDE(CITY), OR	7 / 1996	6	1887
MEACHAM, OR	-4 / 1962	-10	1929



# Significant Weather Events – Dec 2017 – Feb 2018

During the month of March, 2018, there were several smaller events and two larger events. The larger event Local Storm Reports are shown below. The first one was a heavy snow event during the first two days of the month while the second was a high wind event, which was later in the month.

..TIME...	..EVENT...	..CITY LOCATION...	..LAT.LON...
..DATE...	..MAG....	..COUNTY LOCATION..ST..	..SOURCE....
..REMARKS..			
PRELIMINARY LOCAL STORM REPORT...SUMMARY			
NATIONAL WEATHER SERVICE PENDLETON OR			
102 PM PST FRI MAR 02 2018			
0200 PM	HEAVY SNOW	18 ENE SENECA	44.21N 118.64W
03/01/2018	E5.0 INCH	GRANT	OR MESONET
LAKE CREEK SNOTEL. SINCE 10 PM WEDNESDAY.			
0300 PM	HEAVY SNOW	13 SW MITCHELL	44.43N 120.33W
03/01/2018	E7.0 INCH	CROOK	OR MESONET
SINCE 0300 THIS MORNING. OCHOCO MEADOWS SNOTEL.			
0400 PM	HEAVY SNOW	6 ESE PAULINA	44.10N 119.85W
03/01/2018	M4.5 INCH	CROOK	OR COCORAHS
4.5 INCHES SNOW FELL FROM 2 PM TO 4 PM.			
0417 PM	HEAVY SNOW	7 ENE PAULINA	44.18N 119.84W
03/01/2018	M6.0 INCH	CROOK	OR TRAINED SPOTTER
6 INCHES SNOW FELL FROM 1430 PM TO 1617 PM. VIA SOCIAL MEDIA REPORT.			
1220 PM	HEAVY SNOW	7 NNE LOSTINE	45.59N 117.37W
03/02/2018	M7.0 INCH	WALLOWA	OR TRAINED SPOTTER
7 INCHES OF SNOW SINCE YESTERDAY AFTERNOON.			
1235 PM	HEAVY SNOW	1 SSE JOSEPH	45.34N 117.22W
03/02/2018	M5.0 INCH	WALLOWA	OR TRAINED SPOTTER
RECEIVED 5 INCHES OF SNOW SINCE YESTERDAY AFTERNOON.			

This is a list of Local Storm Reports (LSRs) during a heavy snow event on The 1<sup>st</sup> and 2<sup>nd</sup> of March. Most of the Snow fell over Grant, Crook and Wallowa counties of Oregon (i.e. Central and northeast Oregon).



Photo by Johnny Blagg



# Significant Weather Events – High Winds on March 27th, 2018

This was a high wind event which took place on March 27<sup>th</sup>, 2018

```
PRELIMINARY LOCAL STORM
REPORT
NATIONAL WEATHER SERVICE PENDLETON
OR
844 AM PDT WED MAR 28 2018

..TIME... ..EVENT...   ..CITY LOCATION... ..LAT.LON...
..DATE... ..MAG....   ..COUNTY LOCATION..ST.. ..SOURCE....
..REMARKS..

1010 AM   NON-TSTM WND GST 4 SW HARRAH      46.36N 120.60W
03/27/2018 M55 MPH      YAKIMA      WA MESONET

      MESONET STATION AR622, 4 SW HARRAH.

0715 PM   NON-TSTM WND GST 4 ENE RUFUS      45.73N 120.65W
03/27/2018 M54 MPH      SHERMAN     OR MESONET

      MESONET STATION ODT17, 4 ENE RUFUS.

1130 AM   NON-TSTM WND GST 1 WNW KENNEWICK   46.22N 119.20W
03/27/2018 M54 MPH      BENTON      WA MESONET

      MESONET STATION HVSTA, 1 WNW
KENNEWICK.

0501 PM   NON-TSTM WND GST HERMISTON MUNICIPAL AIR 45.83N
119.26W
03/27/2018 M51 MPH      UMATILLA    OR ASOS

      ASOS STATION HRI, HERMISTON MUNICIPAL
AIRPORT.
```

Even though High Wind Events have a criteria of wind gusts of 58 mph or more, the conditions of this event was mainly strong wind gusts that were just shy of a High Wind event, but sustained winds could, and probably were greater than 40 mph or greater at times, which also meets High Wind event criteria.



## Observed Max & Min Temperatures for the Winter Season December 2017 – February 2008

Location	Highest Maximum Temperature	Lowest Minimum Temperature
Pendleton, OR	65	1
Redmond, OR	70	-5
Pasco, WA	66	11
Yakima, WA	69	11
Walla Walla, WA	67	8
Bend, OR	65	-5
Ellensburg, WA	61	6
Hermiston, OR	65	5
John Day, OR	70	5
La Grande, OR	63	-7
The Dalles, OR	67	12
MT Adams RS, WA	58	3

There was not much of a change in maximum temperatures, but lowest minimum temperatures were considerably warmer than February.

## Observed Precipitation and Snowfall for the Winter Season December 2017 – February 2008

Location	Total Monthly Precip	Total Snowfall
Pendleton, OR	3.55 ”	14.4
Redmond, OR	0.6	3.6
Pasco, WA	2.25	4.0
Yakima, WA	1.45	1.7
Walla Walla, WA	6.73	10.7
Bend, OR	1.21	4.5
Ellensburg, WA	1.78	M
Hermiston, OR	2.42	T
John Day, OR	1.17	11.9 (co op)
La Grande, OR	5.48	9.0
The Dalles, OR	3.31	10.5
Mt Adams RS, WA	15.0	27.0

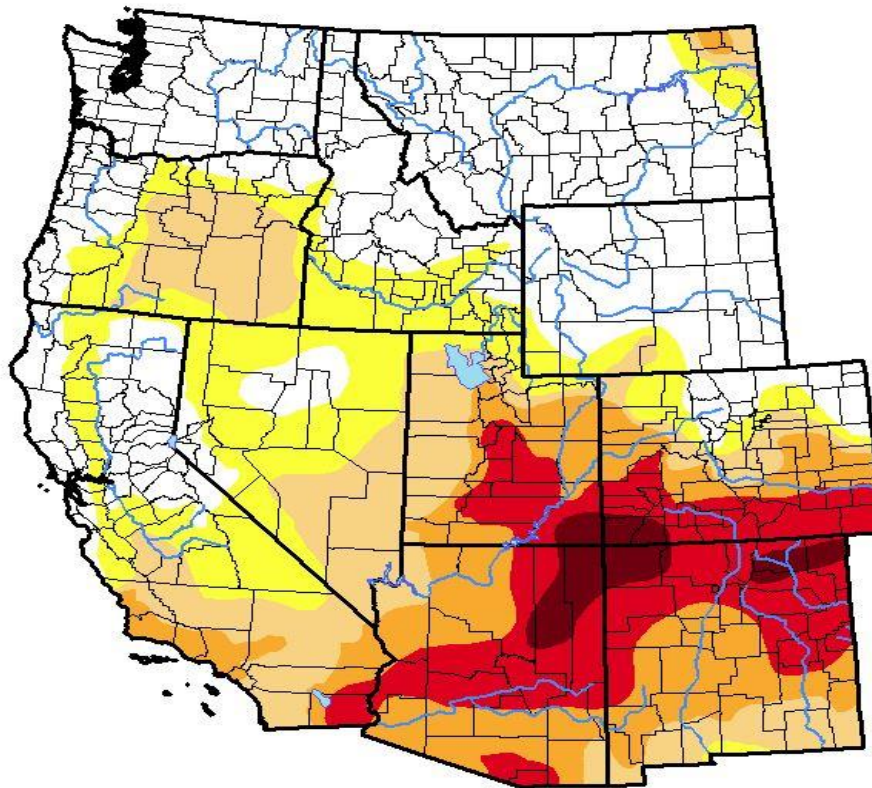
# Post Winter Season 2017-2018 Drought Monitor

## U.S. Drought Monitor West

**April 24, 2018**

(Released Thursday, Apr. 26, 2018)

Valid 8 a.m. EDT



Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
<b>Current</b>	38.60	61.40	43.93	28.11	14.37	2.47
<b>Last Week</b> <i>04-17-2018</i>	38.36	61.64	43.43	27.83	13.69	1.70
<b>3 Months Ago</b> <i>01-23-2018</i>	40.25	59.75	38.41	17.68	0.00	0.00
<b>Start of Calendar Year</b> <i>01-02-2018</i>	48.76	51.24	29.03	8.60	1.52	0.00
<b>Start of Water Year</b> <i>09-26-2017</i>	55.72	44.28	21.01	8.72	5.30	2.17
<b>One Year Ago</b> <i>04-25-2017</i>	81.90	18.10	3.82	0.16	0.00	0.00

**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:**

Brad Rippey  
U.S. Department of Agriculture

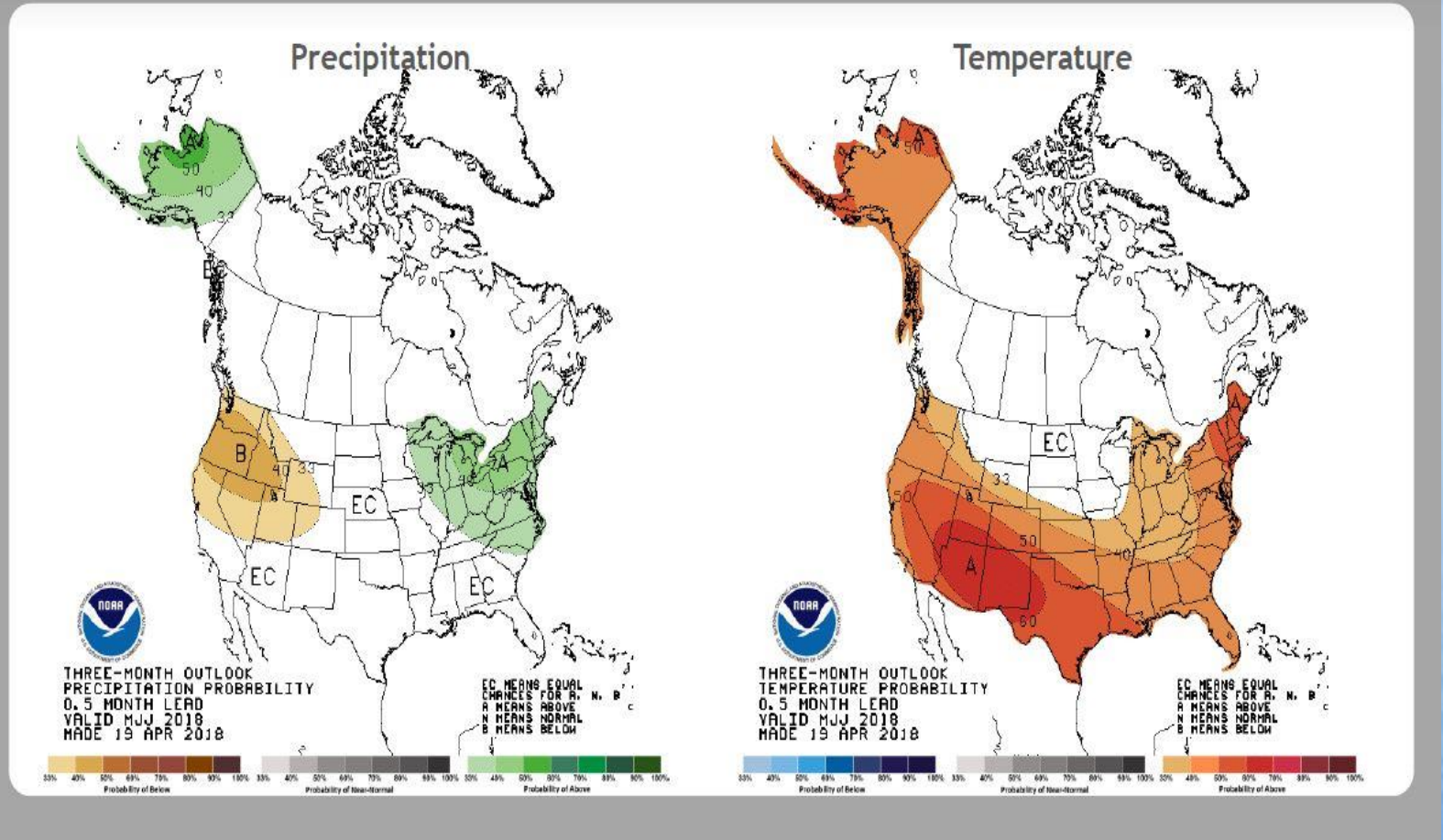


<http://droughtmonitor.unl.edu/>

The map shows that Oregon has a moderate drought, but Washington is normal at this time, after the winter season 2017 – 2018.

# USA Seasonal Temperature/Precipitation Outlook – Spring 2018

The seasonal outlooks combine the effects of long-term trends, soil moisture, and, when appropriate, ENSO.



During the spring season, the maps show below normal precipitation and above normal temperatures due to the current ENSO status.



**Thank You!**