National Weather Service Medford

July 2020 Climate Summary

*These data are preliminary and have not undergone final QC by NCEI. Therefore, these data are subject to revision. Final and certified climate data can be accessed at the National Centers for Environmental Information (NCEI).

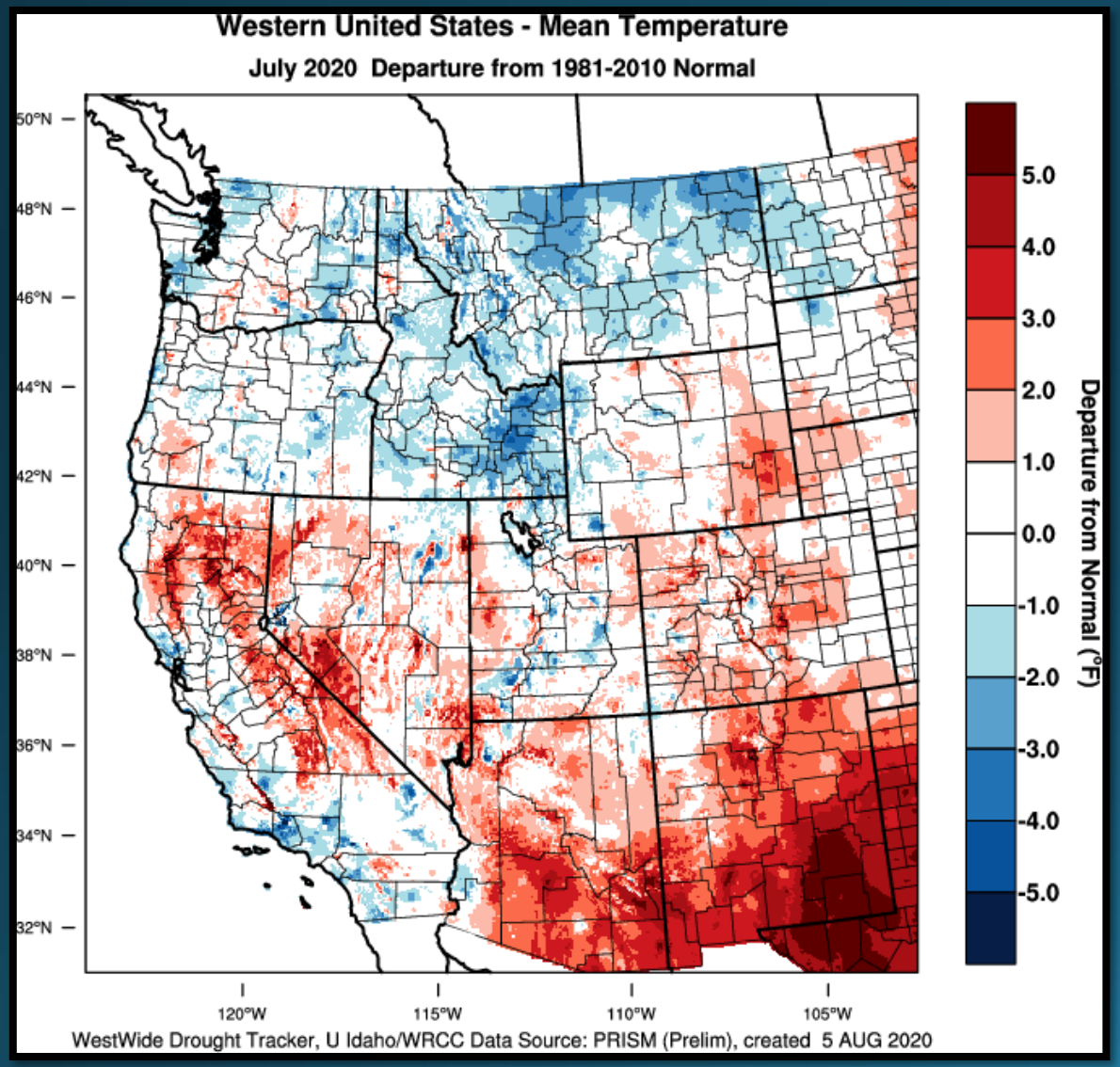
July 2020 Weather Review

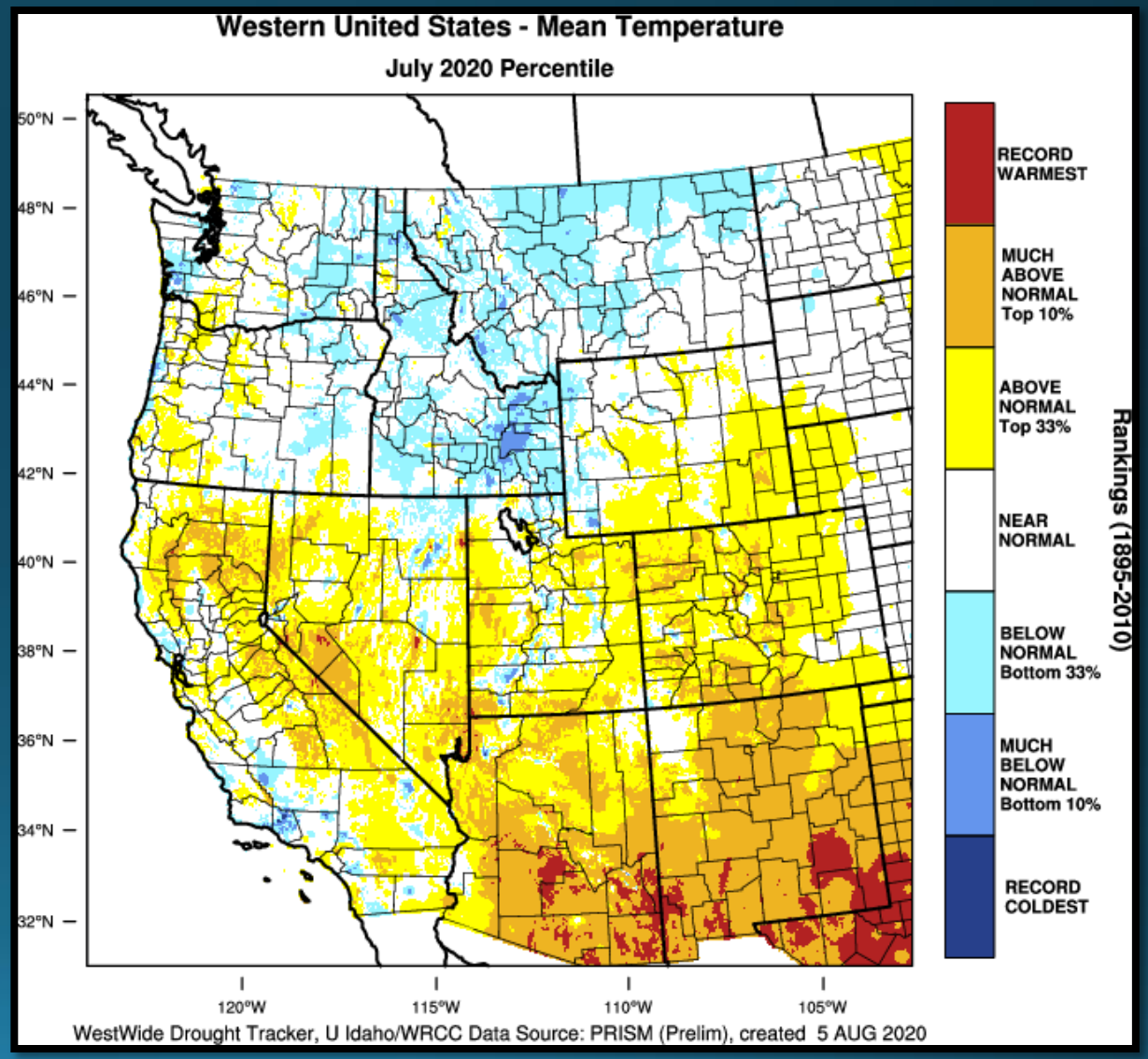
The unseasonably cool and troughy pattern from June continued into the beginning of July. Temperatures remained about 5 to 10 degrees below normal for the first week or two and a few weak fronts moved through the area. However, precipitation was rather limited and most climate sites only recorded a trace of precipitation with these fronts.

Around the middle of the month, the weather pattern took a more definitive turn to summer as high pressure built over the area. Temperatures warmed to more seasonable values, with upper 90s and triple digits returning to the valleys west of the Cascades and in northern California. Dry conditions continued though the end of the month for much of the area. The only precipitation recorded during the last half of the month came from thunderstorms. Although high pressure remained in control, shortwaves moving into the area during the 19th – 23rd and again during the 27th – 29th, acted as the trigger to induce thunderstorms over northern California and areas east of the Cascades. Both Montague and Mt Shasta City recorded daily record precipitation amounts with some of these storms. It should be noted, however, that the original records were fairly low to begin with, so this doesn't necessarily indicate substantial rainfall. These storms did bring wetting rains with them, but it wasn't enough to prevent wildfire starts. Despite the wetting rains, drought stressed vegetation was receptive to fire starts, and these storms ignited several wildfires. One was in far southwestern Siskiyou County, the Red Salmon Complex, another along the border of Sikiyou/Modoc Counties in the Lava Beds Monument area, the July Complex, and a few smaller ones in Klamath and Lake Counties.

Overall, July 2020 was a typical summer month with near normal temperatures, below normal precipitation, aside from area that experienced thunderstorms, and periods of smoky/hazy conditions due to local wildfires.

July 2020 Observed Temperatures





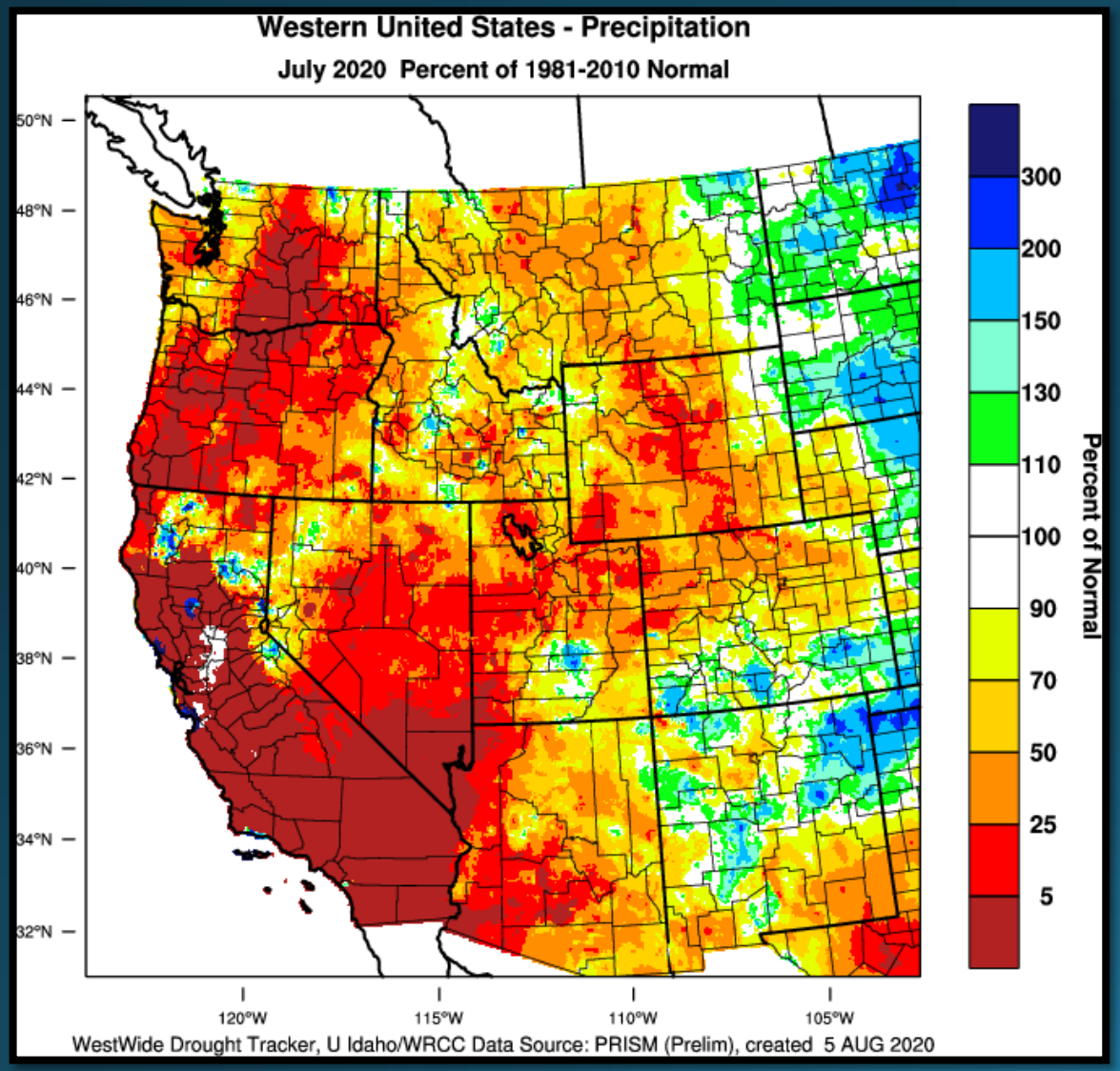
Average Temperatures

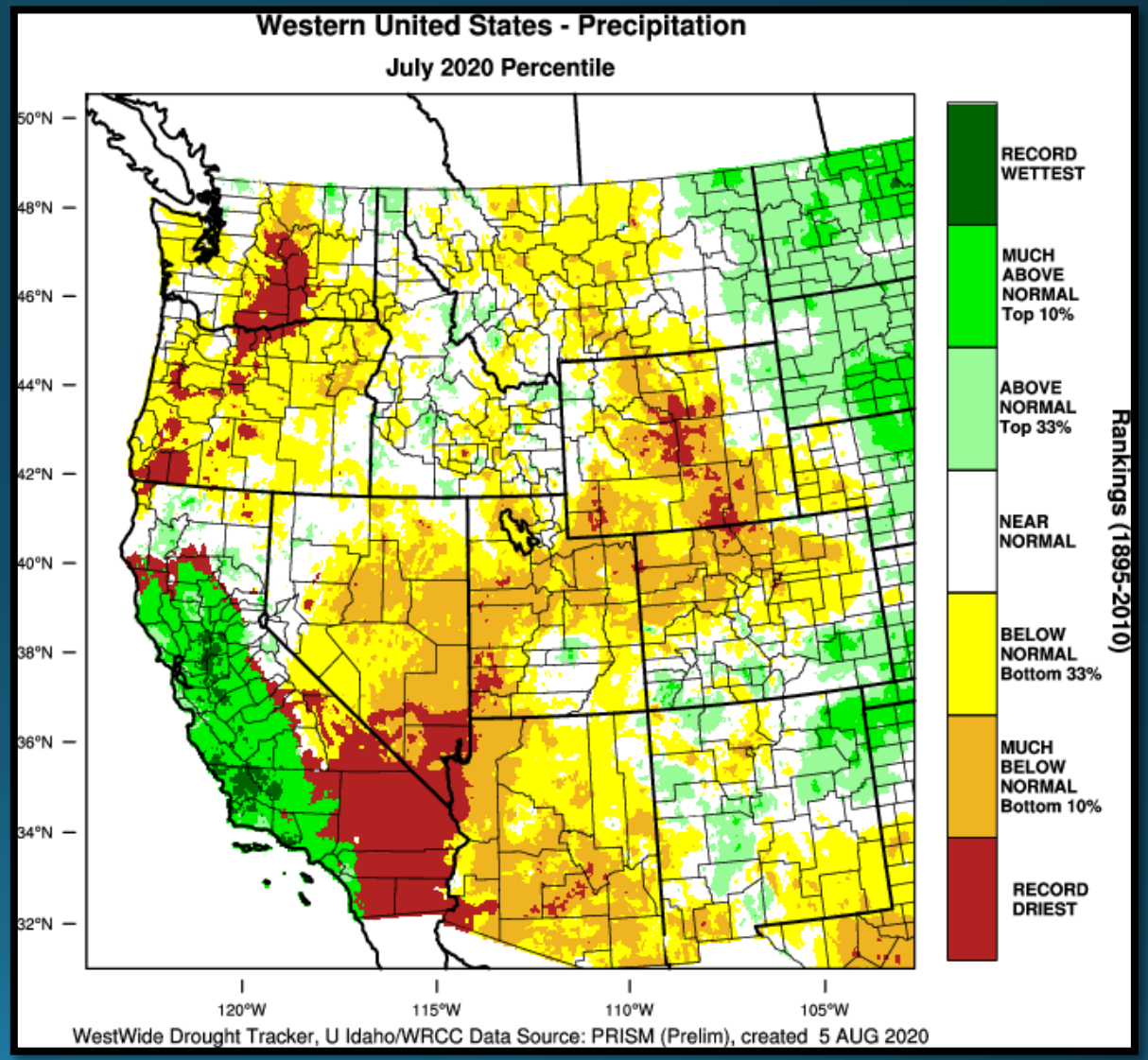
	Average (°F)	Departure from Normal	Average Max (°F)	Departure from Normal	Average Min (°F)	Departure from Normal
North Bend	59.4	0.8°	66.3	1.8°	52.5	-0.3°
Roseburg	72.7	2.4°	86.8	2.5°	58.6	2.4°
Medford	75.9	1.8°	93.0	2.3°	58.8	1.4°
Klamath Falls	66.4	0.4°	87.4	3.5°	45.5	-2.7°
Montague, CA	74.7	2.0°	94.6	3.3°	54.8	0.7°
Mt. Shasta City, CA	70.3	2.4°	89.1	3.3°	51.5	1.5°
Alturas, CA	67.6	1.2°	90.6	2.6°	44.6	-0.2°

Monthly Max & Min Temperatures

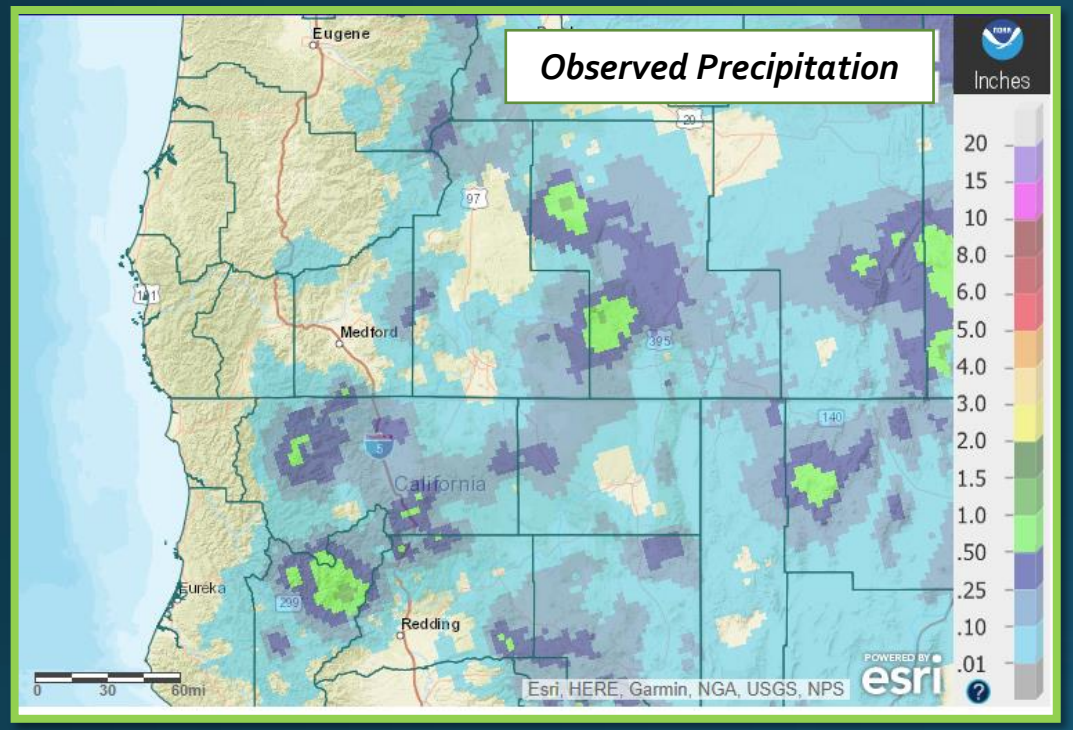
	Max (°F)	Date(s)	Min (°F)	Date(s)
North Bend	72°	26th	49°	19th
Roseburg	102°	26th	53°	2nd
Medford	105°	26th	49°	2nd
Klamath Falls	96°	21st	32°	2nd
Montague, CA	103°	21st	42°	2nd
Mt. Shasta City, CA	97°	21st	44°	2nd
Alturas, CA	97°	19th, 20th	34°	2nd

July 2020 Observed Precipitation

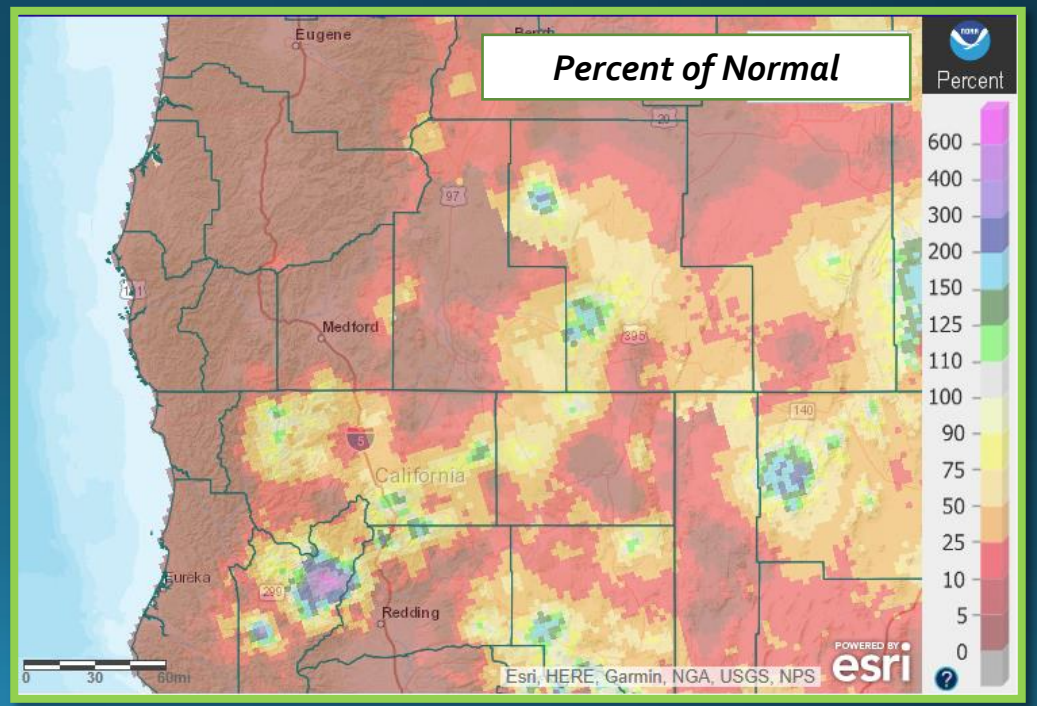




Precipitation



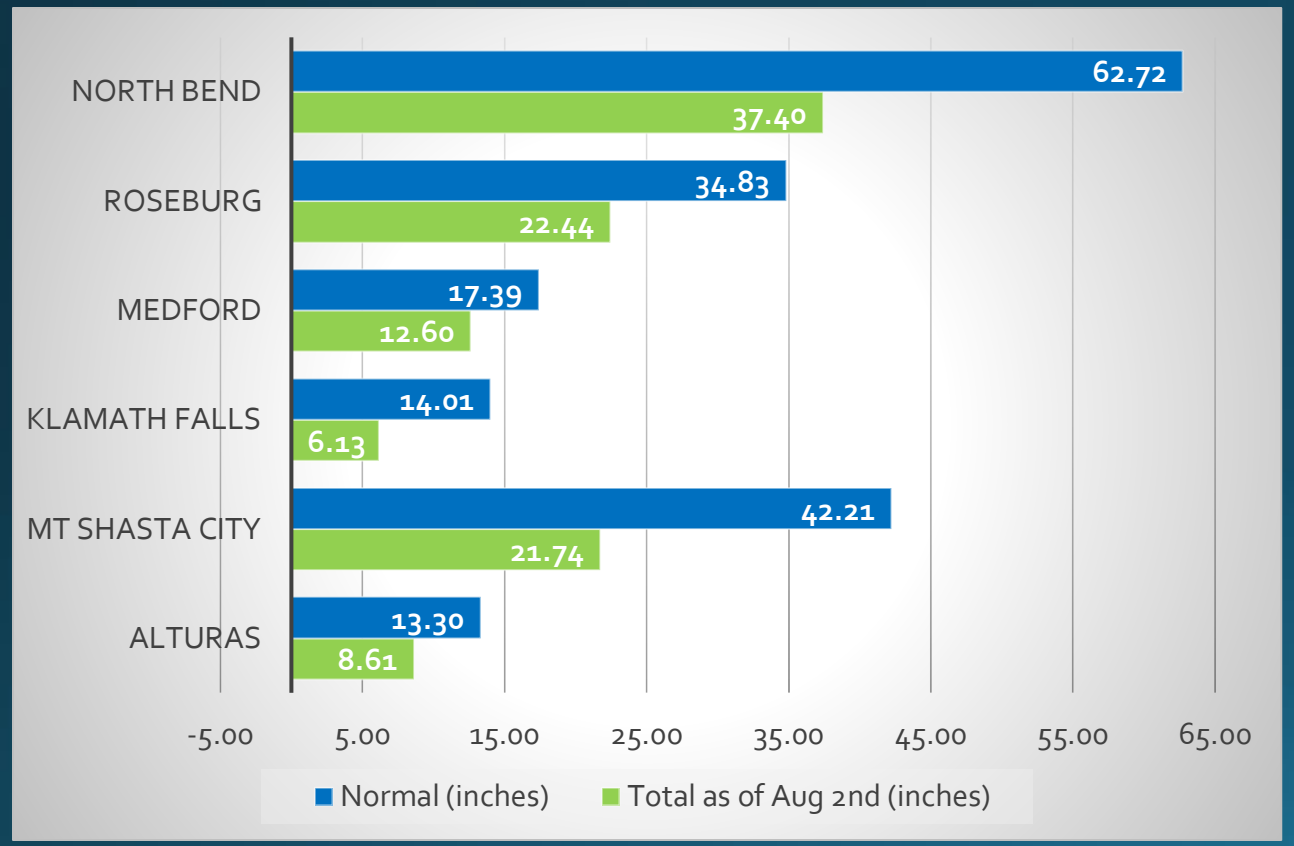
	Total	Departure from Normal	Greatest 24-hr Total	Date(s)
North Bend	*M*	*N/A*	*M*	*M*
Roseburg	*T*	*-0.42"*	*T*	*6th*
Medford	*T*	*-0.28"*	*T*	*9th*
Klamath Falls	*T*	*-0.48"*	*T*	*27th*
Montague, CA	*0.37"*	*-0.08"*	*0.26"*	*22nd*
Mt. Shasta City, CA	*0.48"*	*0.09"*	*0.28"*	*22nd*
Alturas, CA	*T*	*-0.34"*	*T*	*2nd*

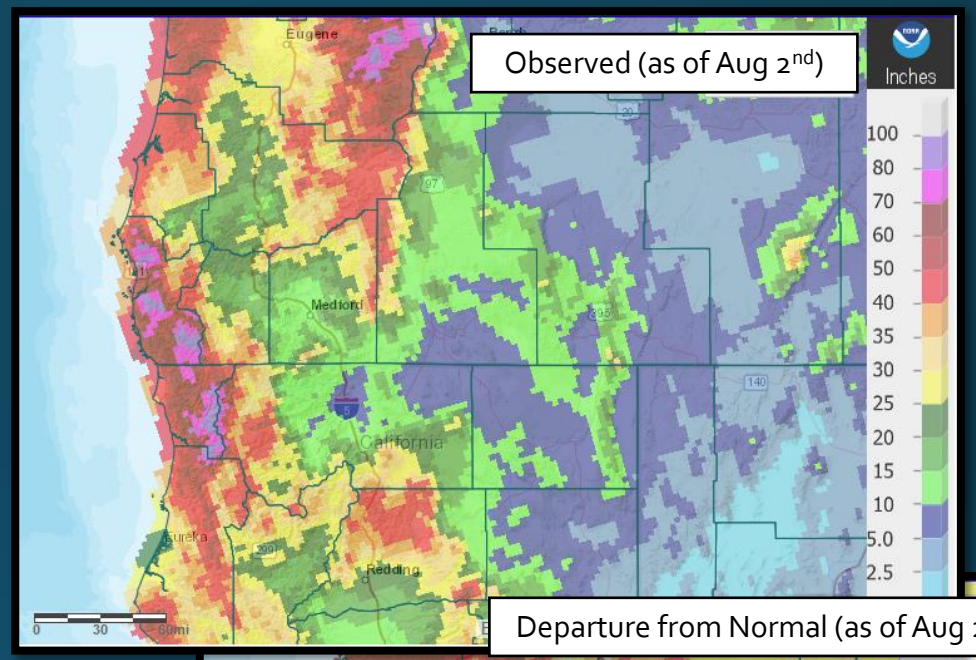


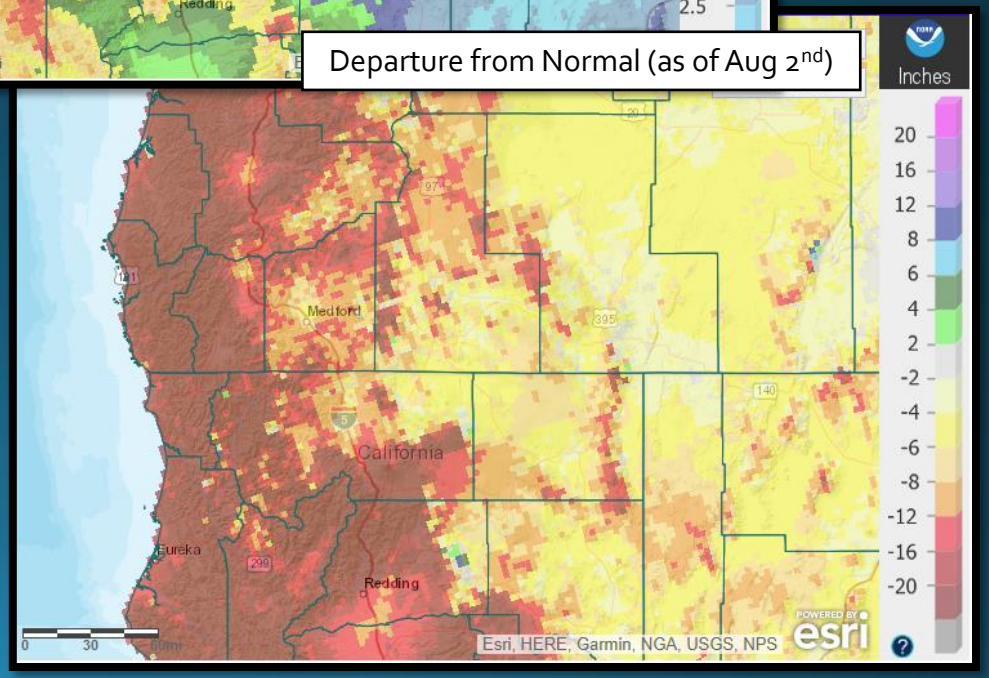
Record Precipitation

	Date/Amount	Old Record/Year
Montague	27th / 0.11"	0.02" / 1997
Mt Shasta City	22nd / 0.28"	0.26" / 1958
	27th / 0.20"	0.04" / 2013

Water Year Status (As of August 2nd)

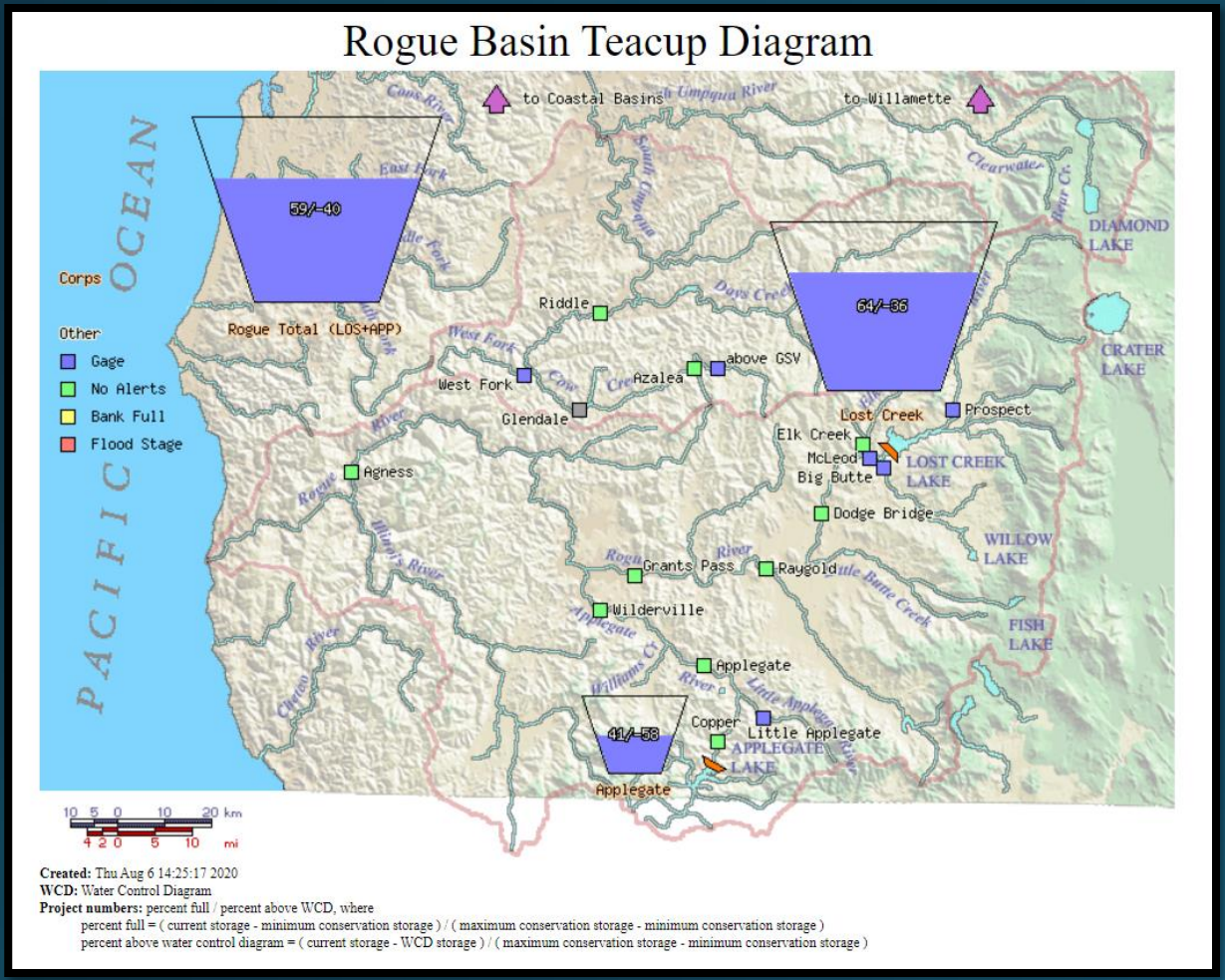




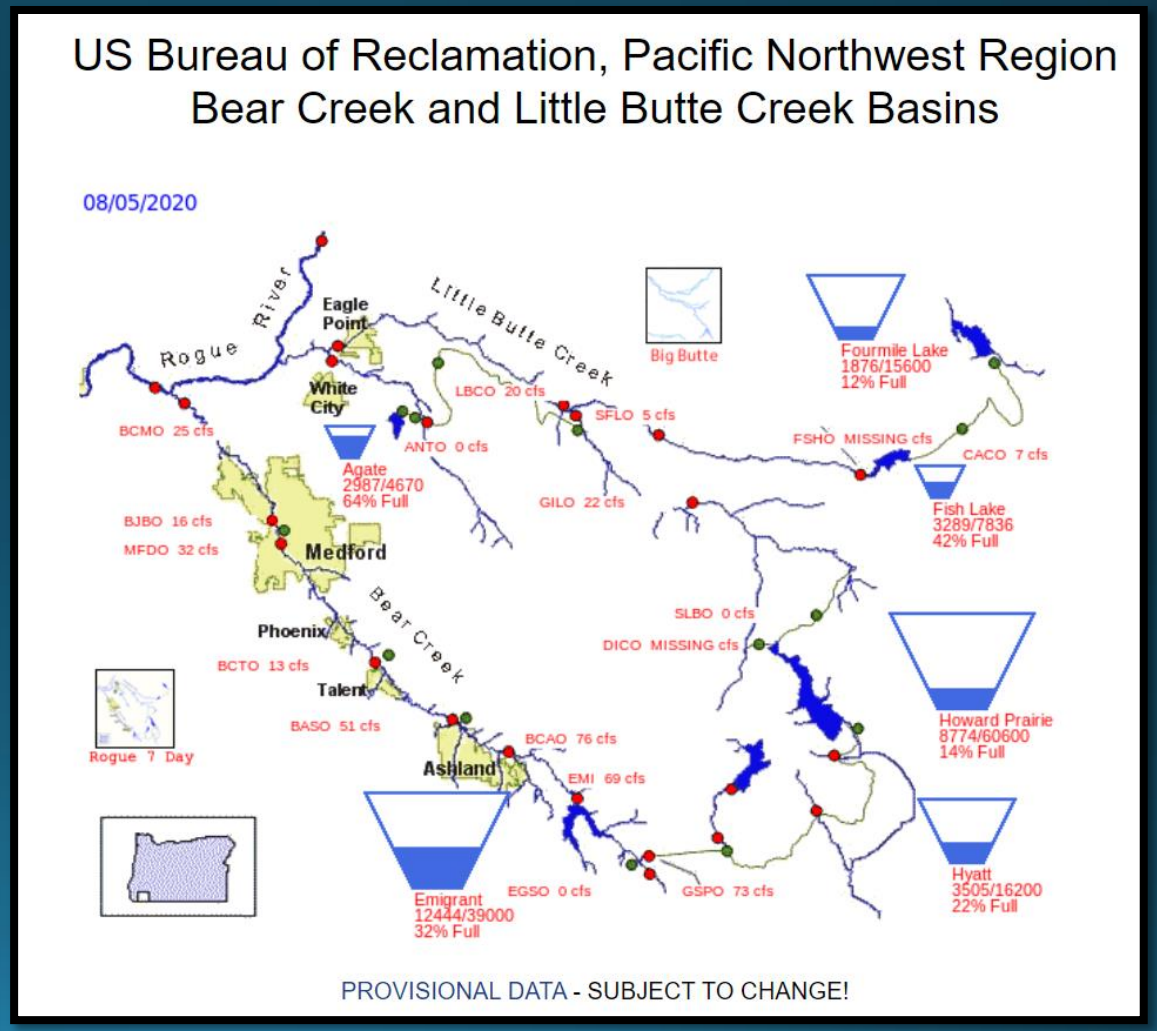


Reservoir Status

Data courtesy of US Army Corps of Engineers

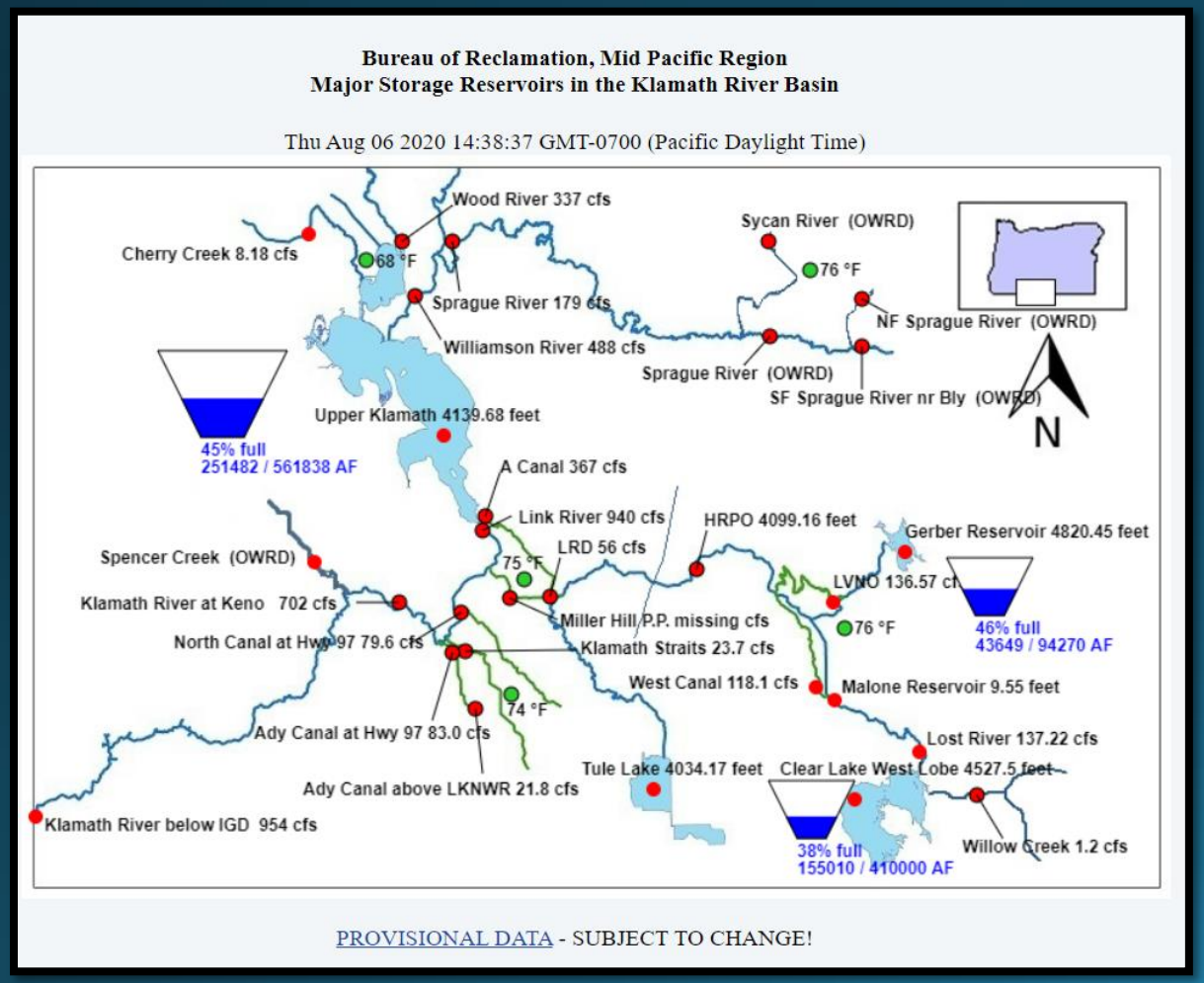


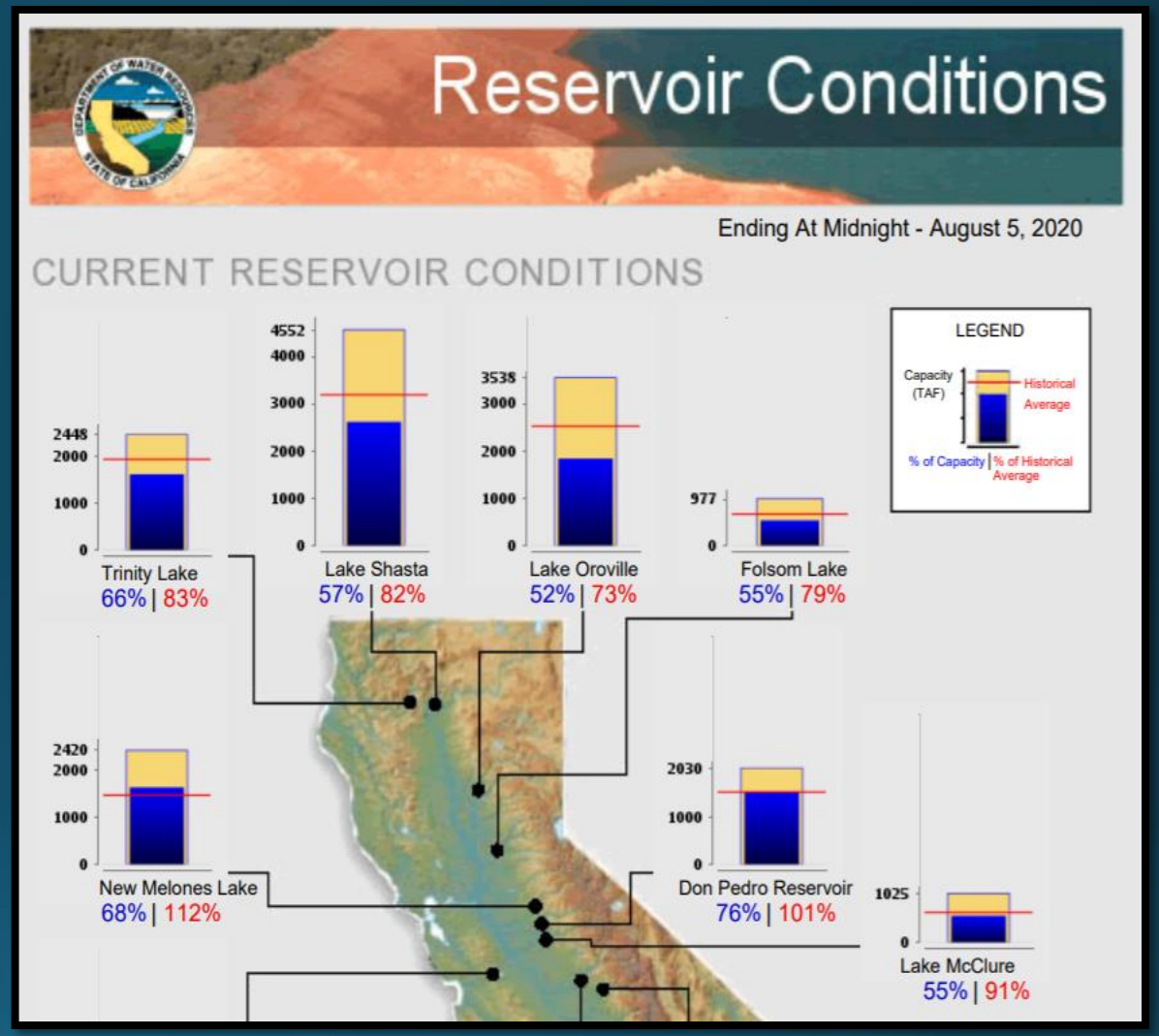
Data courtesy of Bureau of Reclamation



Reservoir Status

Klamath River Basin. Data courtesy of Bureau of Reclamation

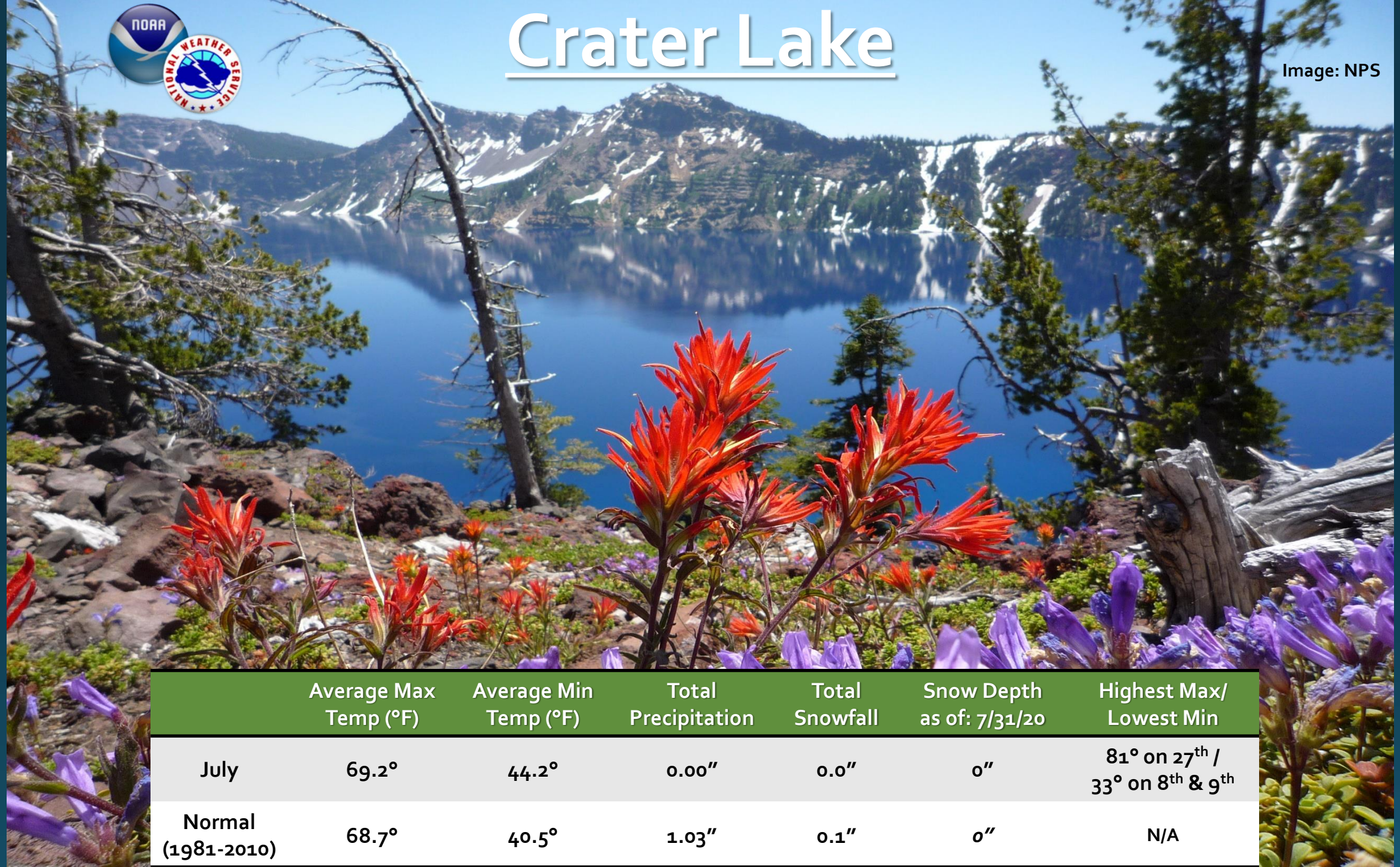




Northern California. California Data Exchange Center

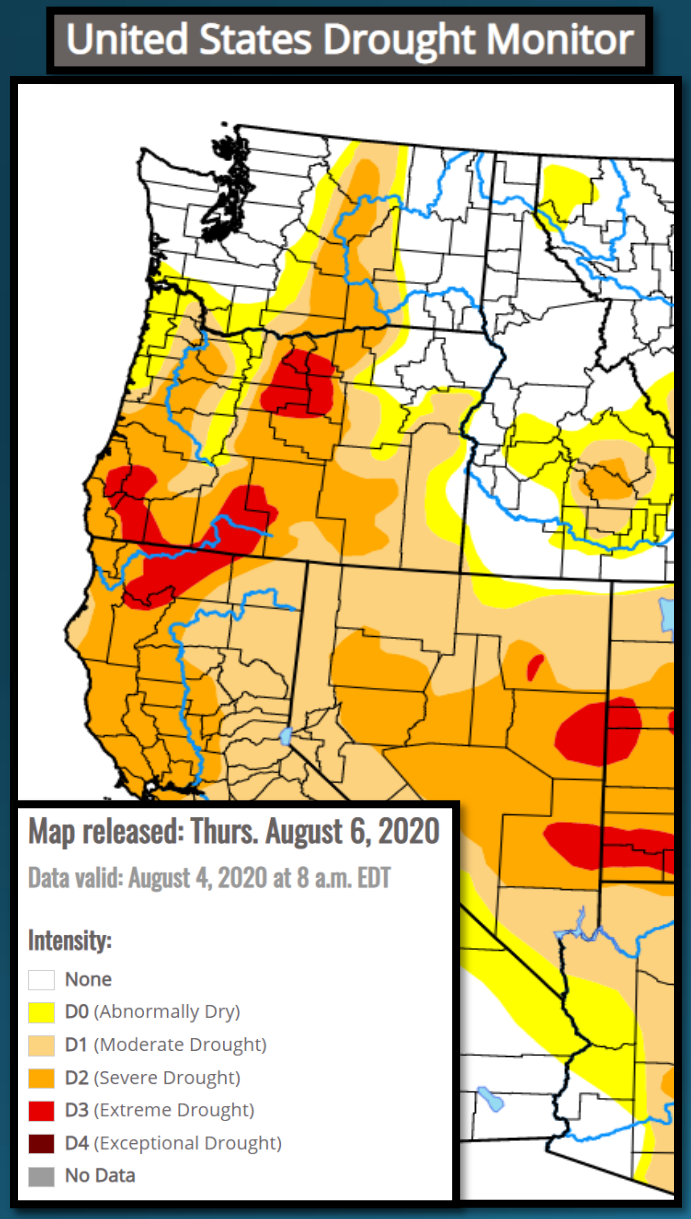
Crater Lake

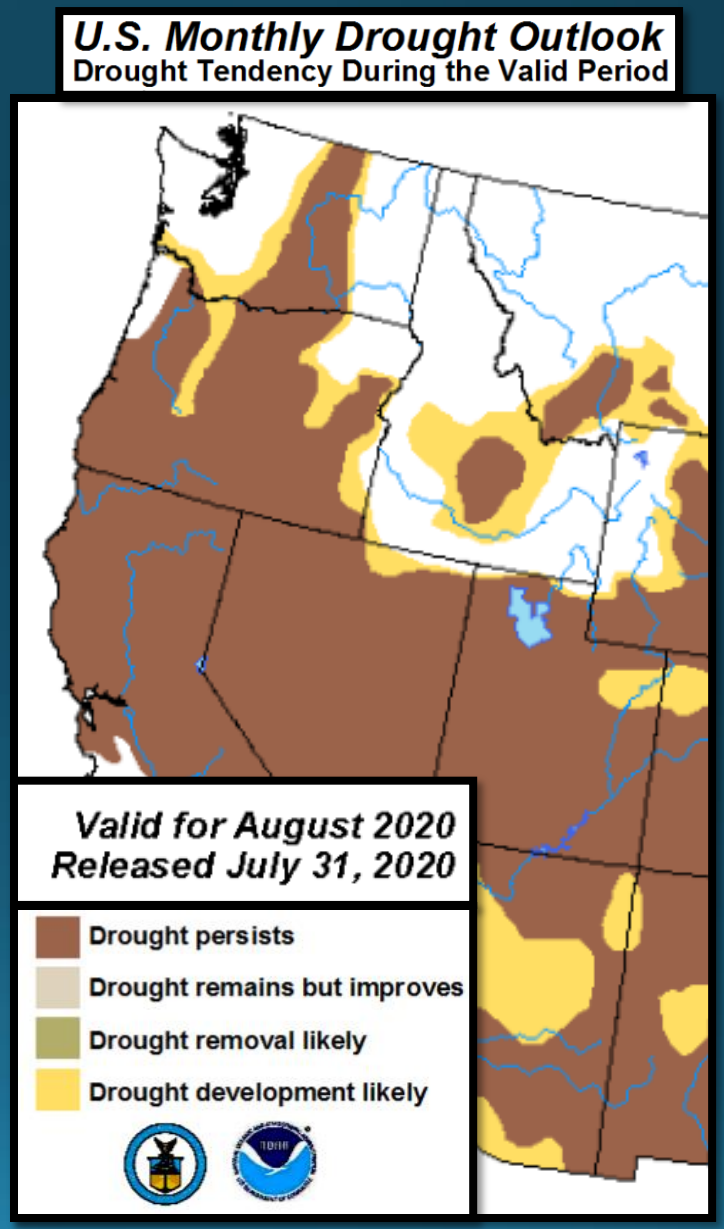
Image: NPS



	Average Max Temp (°F)	Average Min Temp (°F)	Total Precipitation	Total Snowfall	Snow Depth as of: 7/31/20	Highest Max/ Lowest Min
July	69.2°	44.2°	0.00"	0.0"	0"	81° on 27th / 33° on 8th & 9th
Normal (1981-2010)	68.7°	40.5°	1.03"	0.1"	*0"*	N/A

Drought Monitor (Current) & Outlook (August)

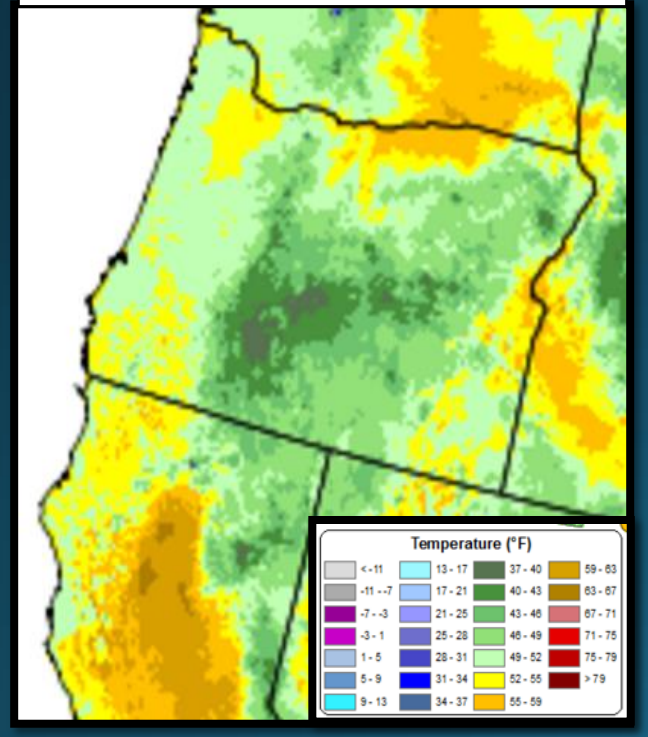




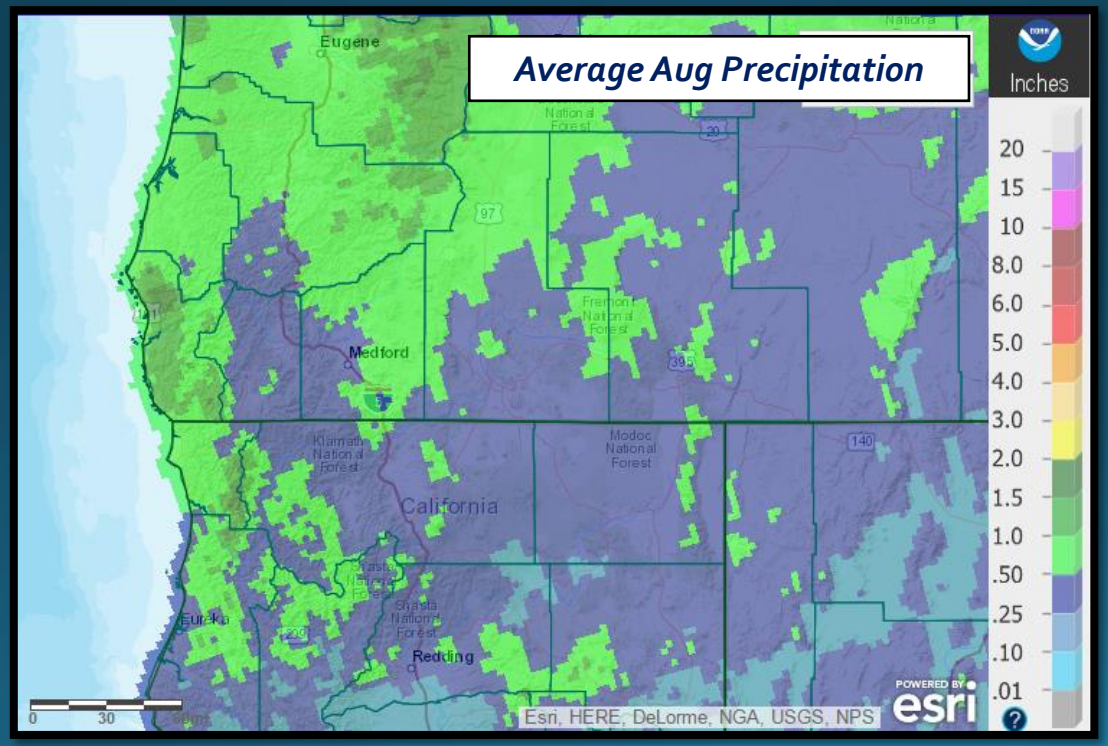
Looking Ahead: Normals for August (1981-2010)

August is typically one of the two driest dry months across the forecast area, but is not as dry as July for areas west from the coastal mountain ranges westward. Lightning (see next slide) and fire activity usually peaks in August. High temperatures are typically at their warmest of the year, generally very similar to July's normals. Valley high temperatures are typically in the 80s to lower 90s. Average minimum temperatures are slightly cooler than those of July as nights become increasingly longer. Average minimum temperatures are mostly in the 40s for east side valleys, and in the 40s and 50s for west side valleys. Most of the forecast area usually receives an inch or less of precipitation. Exceptions include portions of the coastal mountain ranges and the higher terrain of eastern Douglas county.

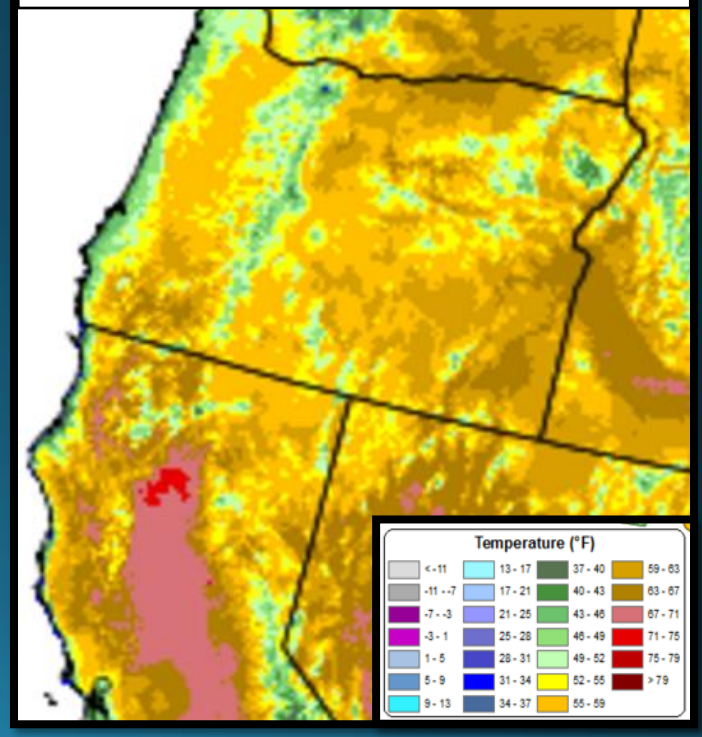
Average Aug Minimum Temperatures



Average Aug Precipitation



Average Au Maximum Temperatures



*A note about Period of Record (POR)

When looking at record setting events, it's important to consider the length and completeness of the site's period of record (POR). For example, a site might have records dating back to the early 1900's, but if there is a significant portion of the record missing, it's possible that the POR is not encompassing another significant event that might have surpassed the event in question. Therefore, "record setting" should be considered relative to the completeness/length of POR. To help keep records in context, the POR for each climate site is listed below:

- **North Bend: 01/1902 – Present**
- **Roseburg: 04/1900 – Present**
  - *Missing:*
    - *05/1900-01/1901*
    - *03/1901-06/1902*
    - *08/1902-12/1930*
    - *10/1965-06/1997*
- **Medford: 03/11/1911 – Present**
- **Klamath Falls: 12/1897 – Present**
- **Montague, CA: 07/1948 – Present**
  - *Missing:*
    - *08-09/1952*
    - *02/1953-06/2000*
- **Mount Shasta City, CA: 04/1948 – Present**
- **Alturas, CA: 05/1935 – Present**