

Drought Information Statement for South Texas

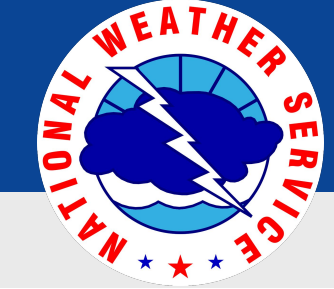
Valid November 6, 2023

Issued By: NWS Corpus Christi, TX

Contact Information: sr-crp.webmaster@noaa.gov

- This product will be updated December 7, 2023 or sooner if drought conditions change significantly.
- Please see all currently available products at <https://drought.gov/drought-information-statements>.
- Please visit <https://www.weather.gov/crp/DroughtInformationStatement> for previous statements.





U.S. Drought Monitor

November 6, 2023
3:58 AM

Link to the [latest U.S. Drought Monitor](#) for South Texas

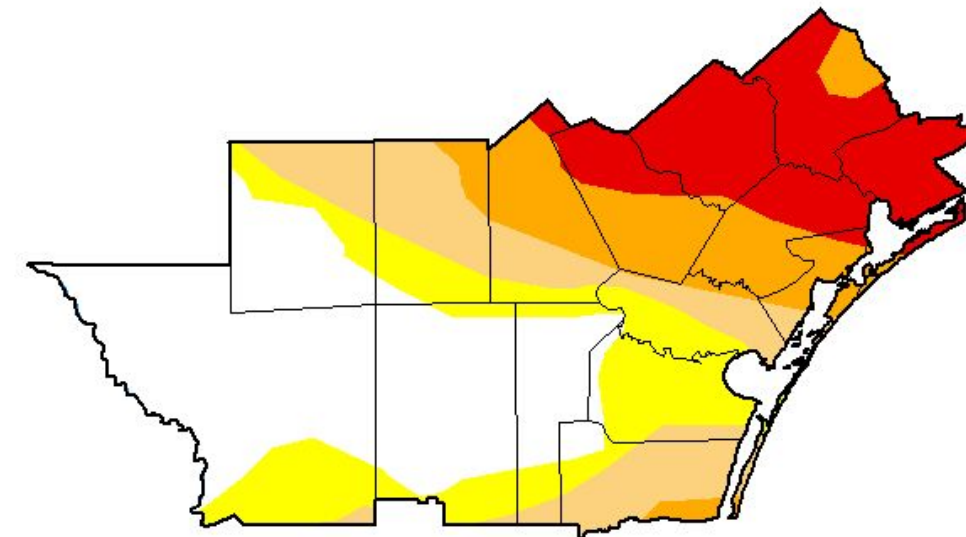
- Drought conditions spread across most of South Texas
- Drought intensity and Extent
 - D4 (Exceptional Drought): None
 - D3 (Extreme Drought): Victoria Crossroads, Northern Coastal Bend, and Northern Coastal Plains
 - D2 (Severe Drought): Portions of the Coastal Plains and Coastal Bend and a small part of the Victoria Crossroads
 - D1 (Moderate Drought): Portions of the Coastal Bend, Coastal Plains, and Brush Country
 - D0: (Abnormally Dry): Portions of the Coastal Bend, Coastal Plains, and Brush Country

U.S. Drought Monitor Corpus Christi, TX WFO

October 31, 2023
(Released Thursday, Nov. 2, 2023)
Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	35.74	64.26	46.46	30.74	17.43	0.00
Last Week 10-24-2023	35.36	64.64	46.26	30.56	18.11	0.00
3 Months Ago 08-01-2023	0.00	100.00	63.79	10.43	0.00	0.00
Start of Calendar Year 01-03-2023	59.96	40.04	13.56	2.65	0.00	0.00
Start of Water Year 09-26-2023	4.33	95.67	72.50	35.40	23.70	0.00
One Year Ago 11-01-2022	25.75	74.25	18.32	2.65	0.00	0.00



Intensity:

None	D2 Severe Drought
D0 Abnormally Dry	D3 Extreme Drought
D1 Moderate Drought	D4 Exceptional Drought

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>

Author:

Brian Fuchs
National Drought Mitigation Center



droughtmonitor.unl.edu

Image Caption: U.S. Drought Monitor valid 8am EDT October 31st.



Recent Change in Drought Intensity

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Link to the latest [4-week change map](#) for South Texas

- Four Week Drought Monitor Class Change.
 - Drought Worsened: A small portion of the Coastal Bend
 - No Change: Much of the Victoria Crossroads, Coastal Bend, Coastal Plains, and portions of the Brush Country
 - Drought Improved: A large portion of the Brush Country and parts of the Coastal Plains, Coastal Bend, and Victoria Crossroads

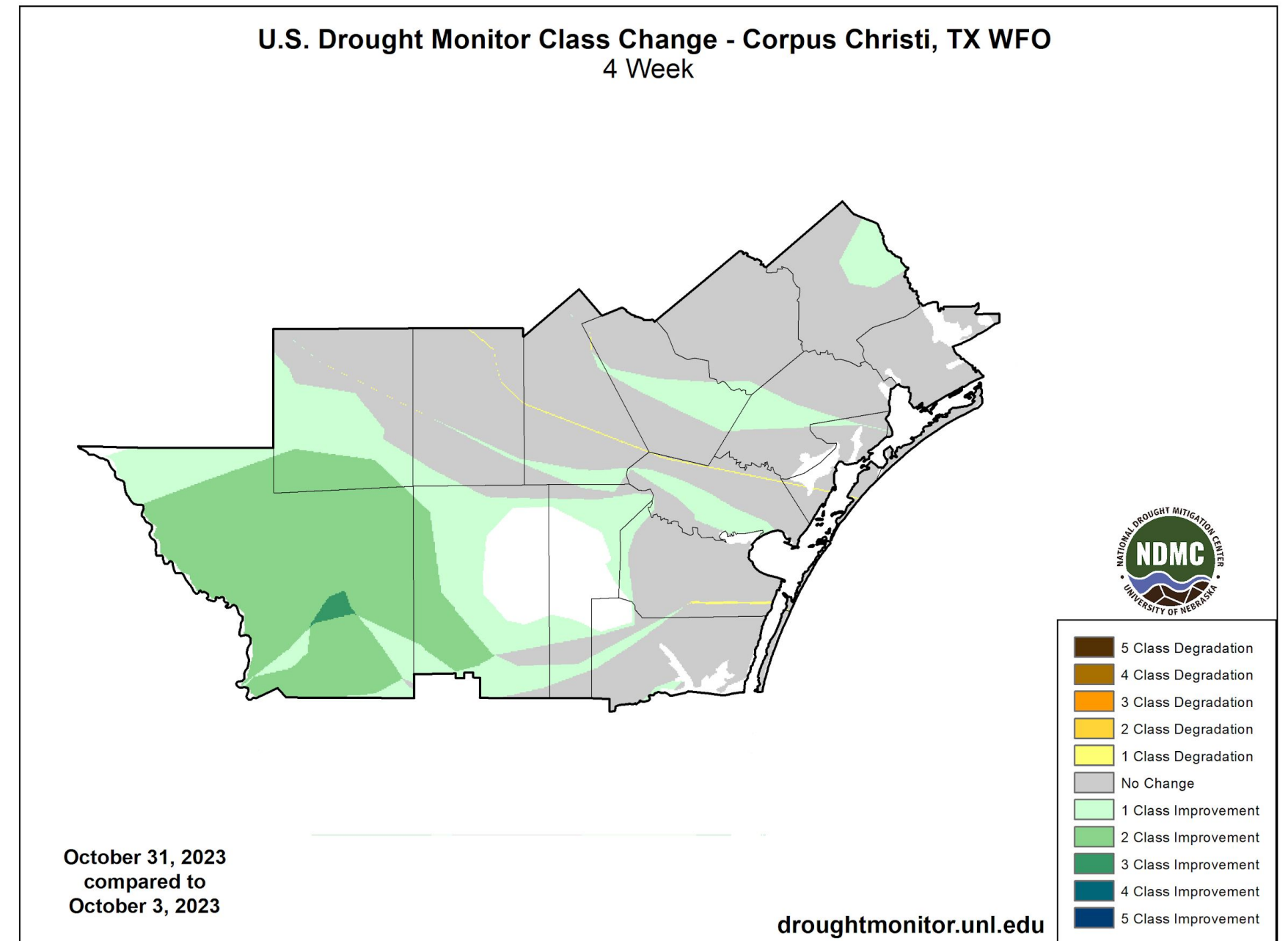


Image Caption: U.S. Drought Monitor 4-week change map valid 8am EDT October 31st.





Precipitation

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- Pockets of above normal rainfall was observed throughout the month of October, generally west of Highway 281.

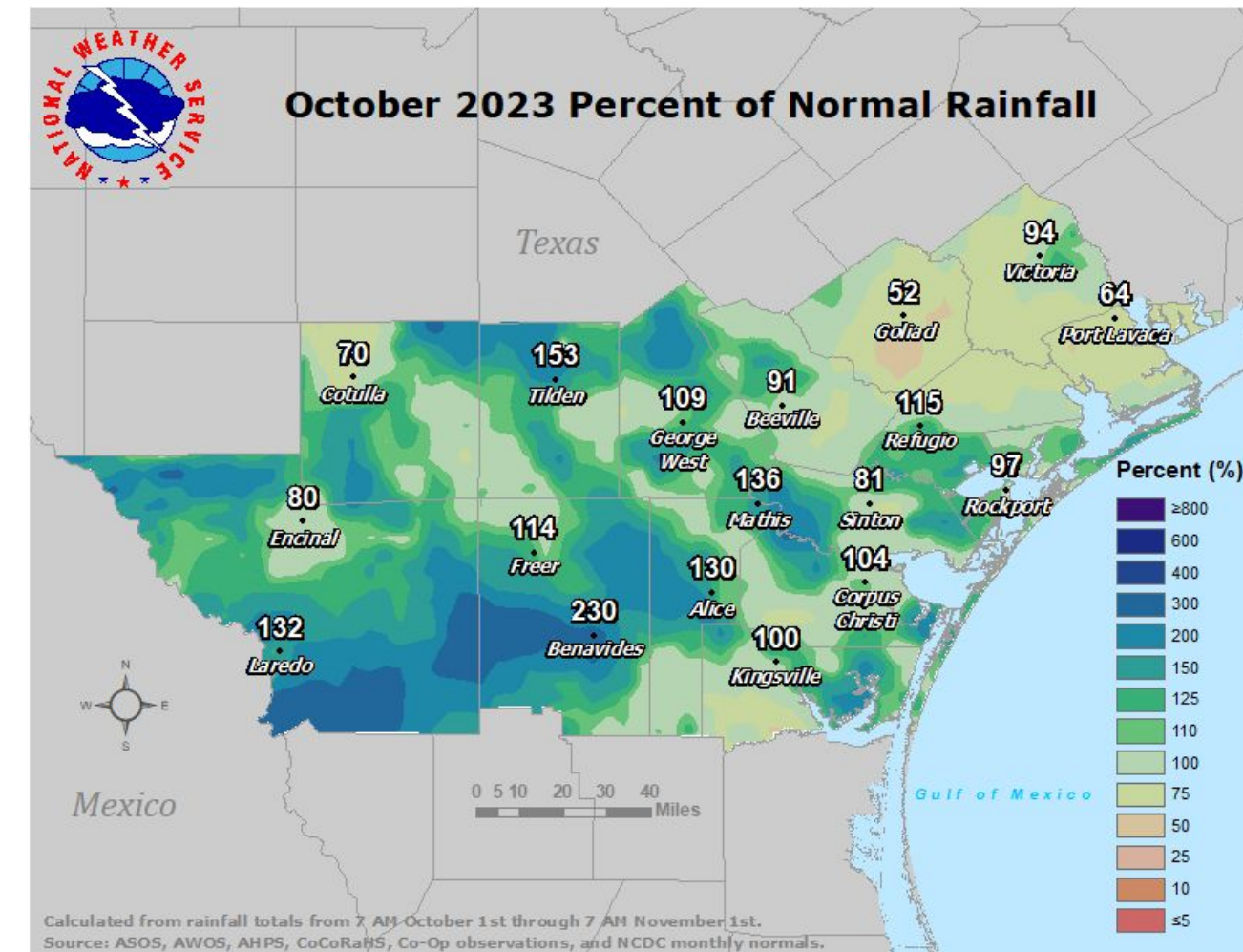
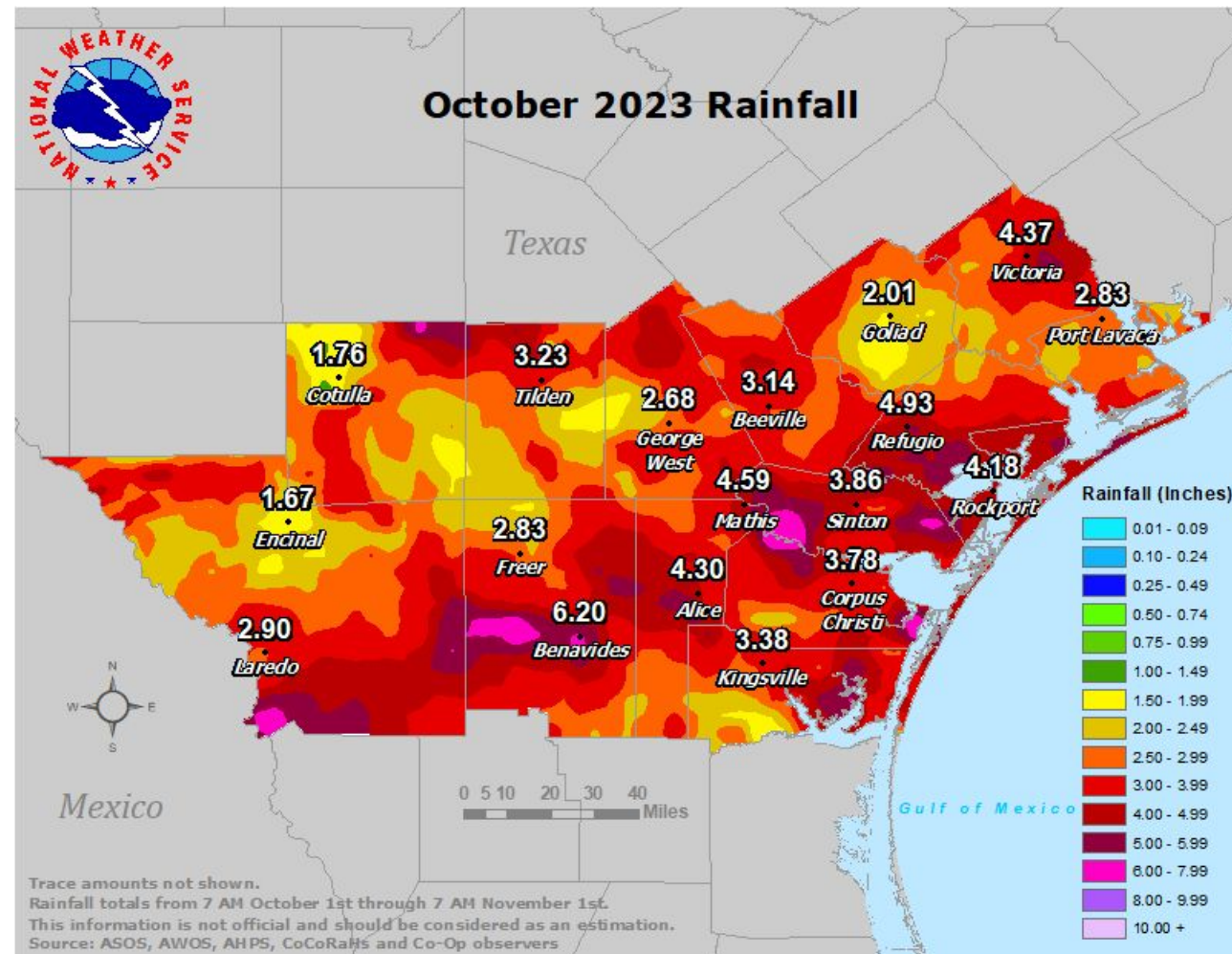


Image Captions:
 Left - Precipitation Amount for South Texas
 Right - Percent of Normal Precipitation for South Texas
 Data Courtesy Corpus Christi Weather Service Forecast Office.
 Data over the past 30 days ending 7AM November 01, 2023



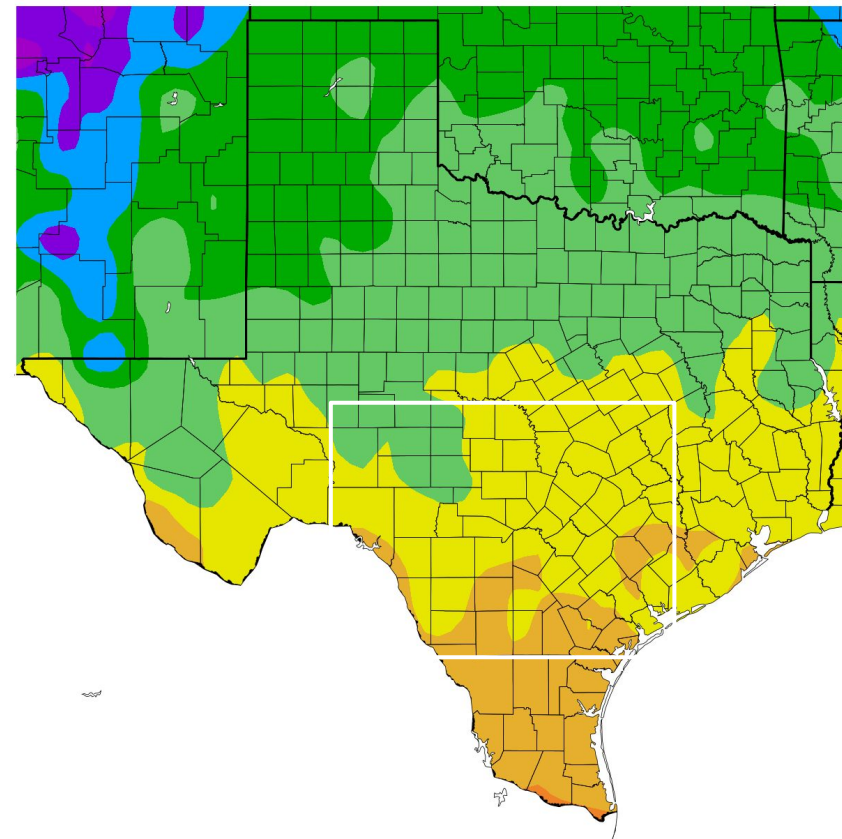


Temperature

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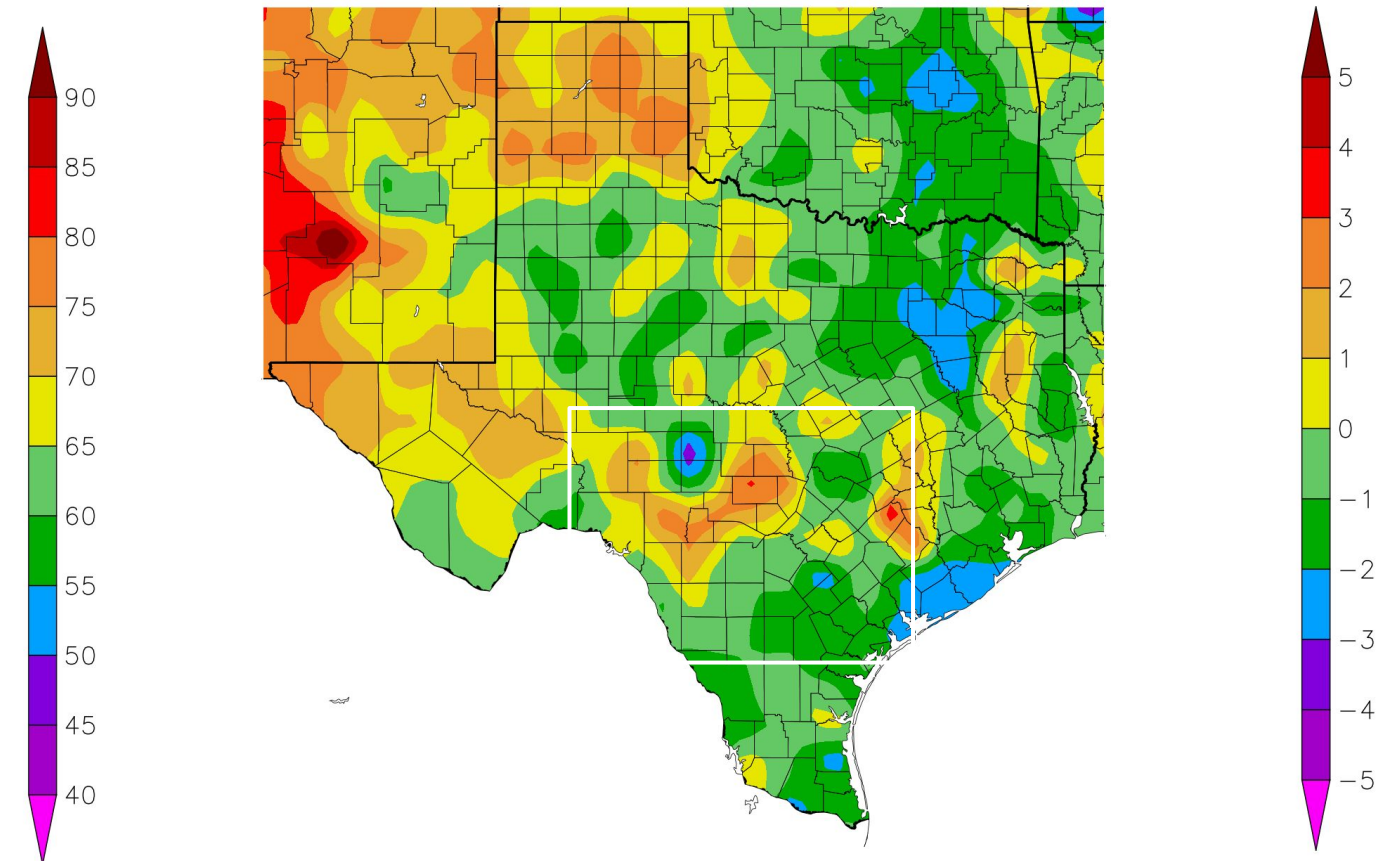
- Near to slightly below normal temperatures were observed during October.

Temperature (F)
10/6/2023 - 11/4/2023



Generated 11/5/2023 at HPRCC using provisional data.

Departure from Normal Temperature (F)
10/6/2023 - 11/4/2023



NOAA Regional Climate Centers 2023 at HPRCC using provisional data.

NOAA Regional Climate Centers

Image Captions:
 Left - Average Temperature
 Right - Departure from Normal Temperature
 Data Courtesy High Plains Regional Climate Center.
 Data over the past 30 days ending November 04, 2023





Summary of Impacts

November 6, 2023

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Links: See/submit [Condition Monitoring Observer Reports \(CMOR\)](#) and view the [Drought Impacts Reporter](#)

Hydrologic Impacts

- Low reservoir levels contributing to water restrictions

Agricultural Impacts

- Crops suffering due to prolonged heat and dry conditions

Fire Hazard Impacts

- Dry conditions lead to occasional elevated fire conditions

Other Impacts

- Corpus Christi under stage 1 water restrictions
- Victoria under stage 3 water restrictions
- Laredo under stage 2 water restrictions

Mitigation Actions

- Please refer to your municipality and/or water provider for mitigation information.

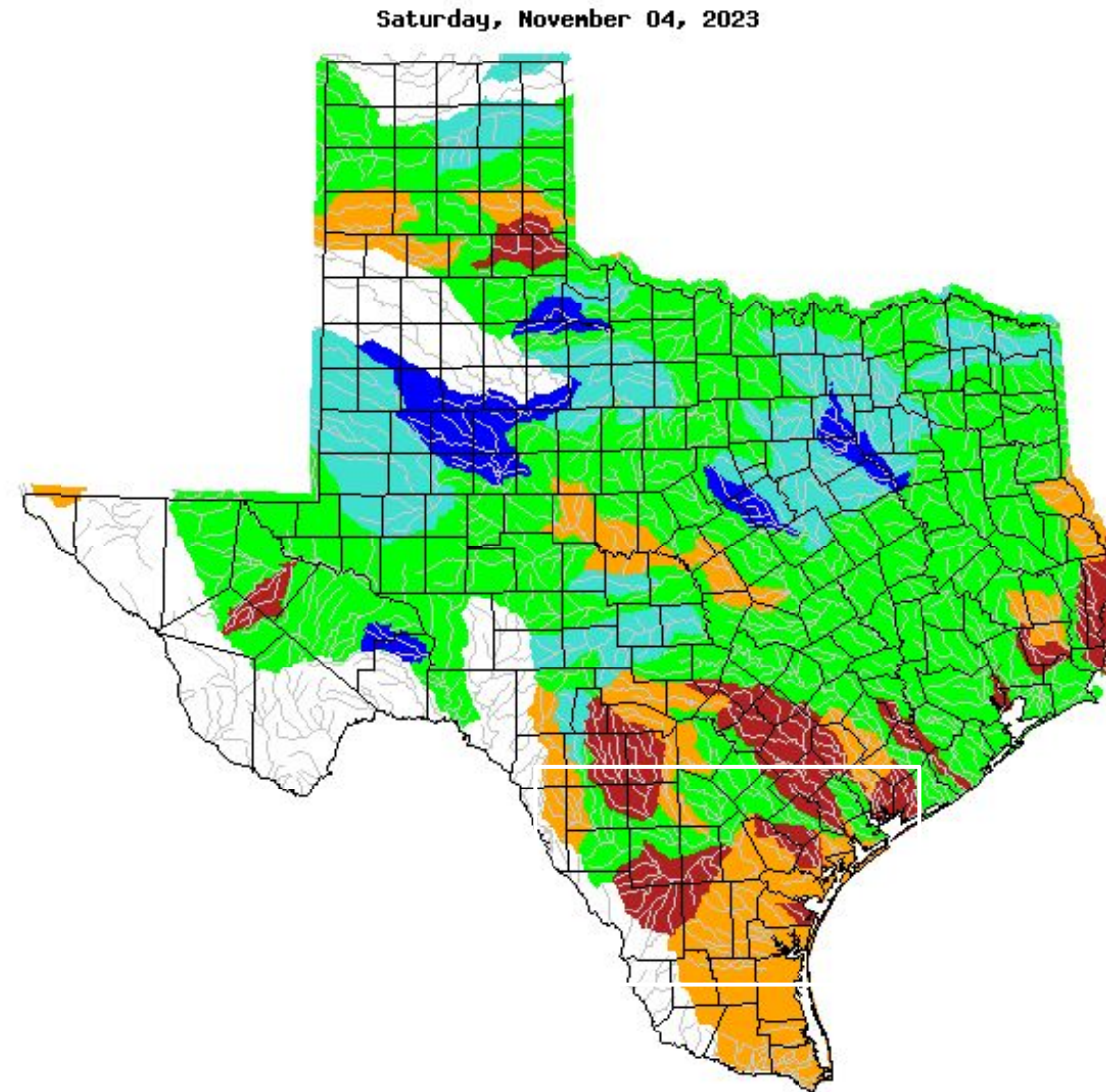




Hydrologic Conditions and Impacts

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- Below normal streamflow for the majority of South Texas rivers.
- Reservoir levels continue to decline.



Explanation - Percentile classes								
Low	<10	10-24	25-75	76-90	>90	High	No Data	
	Much below normal	Below normal	Normal	Above normal	Much above normal			

Reservoir	Pool Elevation (ft)	Current Elevation (ft)
Choke Canyon.	220.5	193.3
Lake Corpus Christi	94.0	86.6
Lake Texana	44.0	38.8
Coleta Creek	98.0	94.7
Canyon Lake	909.0	889.3
Lake Amistad	1117.0	1063.6

Image Captions:

Left- Reservoir Pool Elevation Table valid November 06 2023

[Right- USGS 7 day average streamflow HUC map valid November 04, 2023](#)



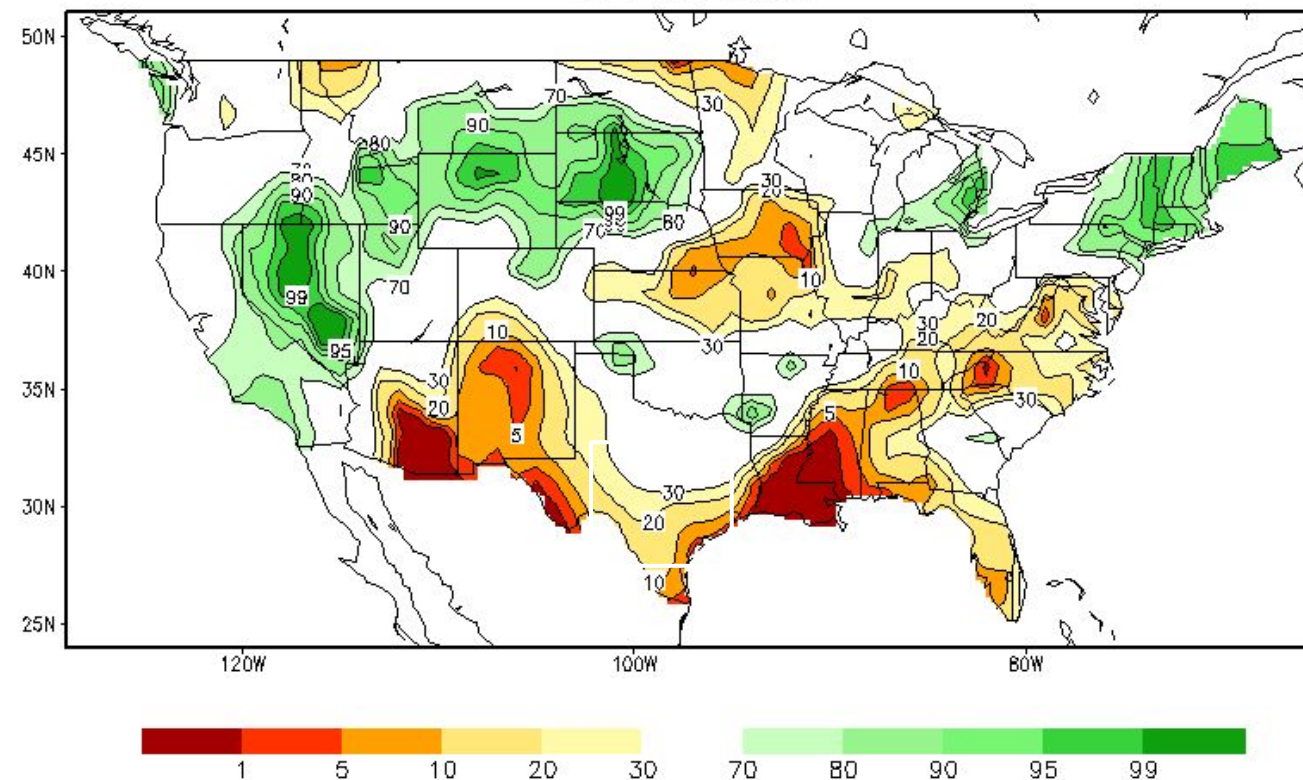


Agricultural Impacts

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- Below normal soil moisture conditions are in place across South Texas. The driest can be found generally east of Highway 281.

Calculated Soil Moisture Ranking Percentile
NOV 04, 2023



Crop Moisture Index by Division
Weekly Value for Period Ending OCT 28, 2023
Short Term Need vs. Available Water in a Shallow Soil Profile

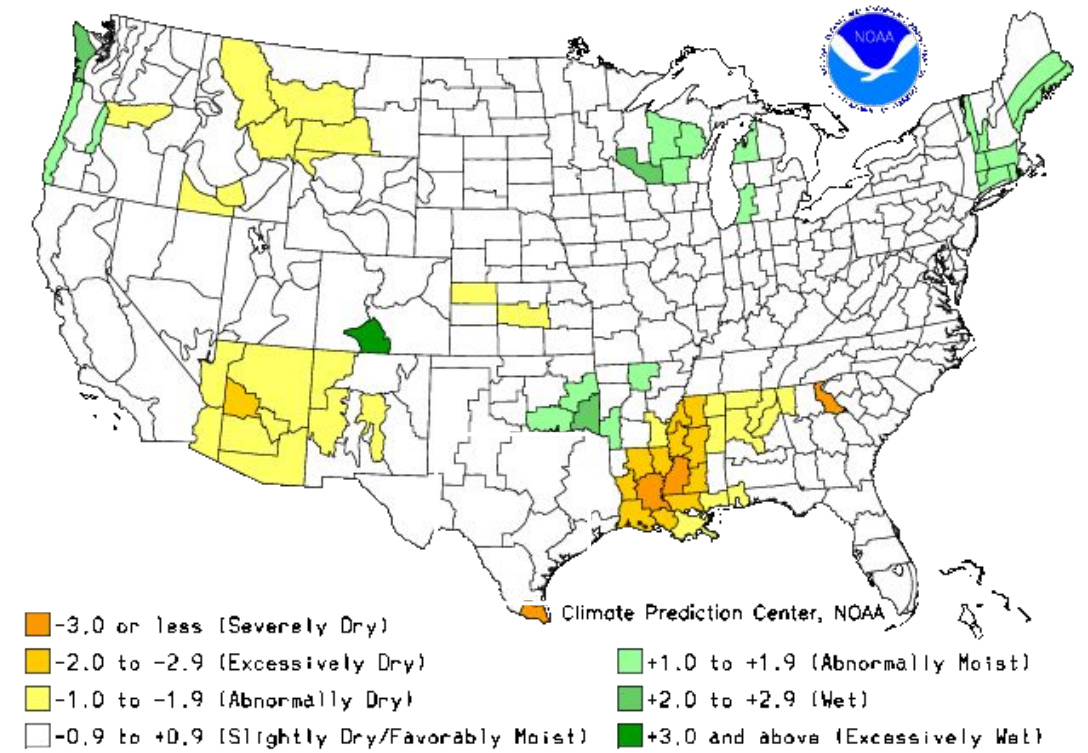


Image Captions:

Left: CPC Calculated [Soil Moisture Ranking Percentile](#) valid October 28, 2023

Right: [Crop Moisture Index by Division](#). Weekly value for period ending November 04, 2023





Fire Hazard Impacts

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Link to [Wildfire Potential Outlooks from the National Interagency Coordination Center](#).

- Burn Bans in place for Webb, La Salle, Duval, Live Oak, Kleberg, San Patricio, and Refugio counties
- Normal significant wildfire potential through November

Latest TX Burn Ban map available [here](#).

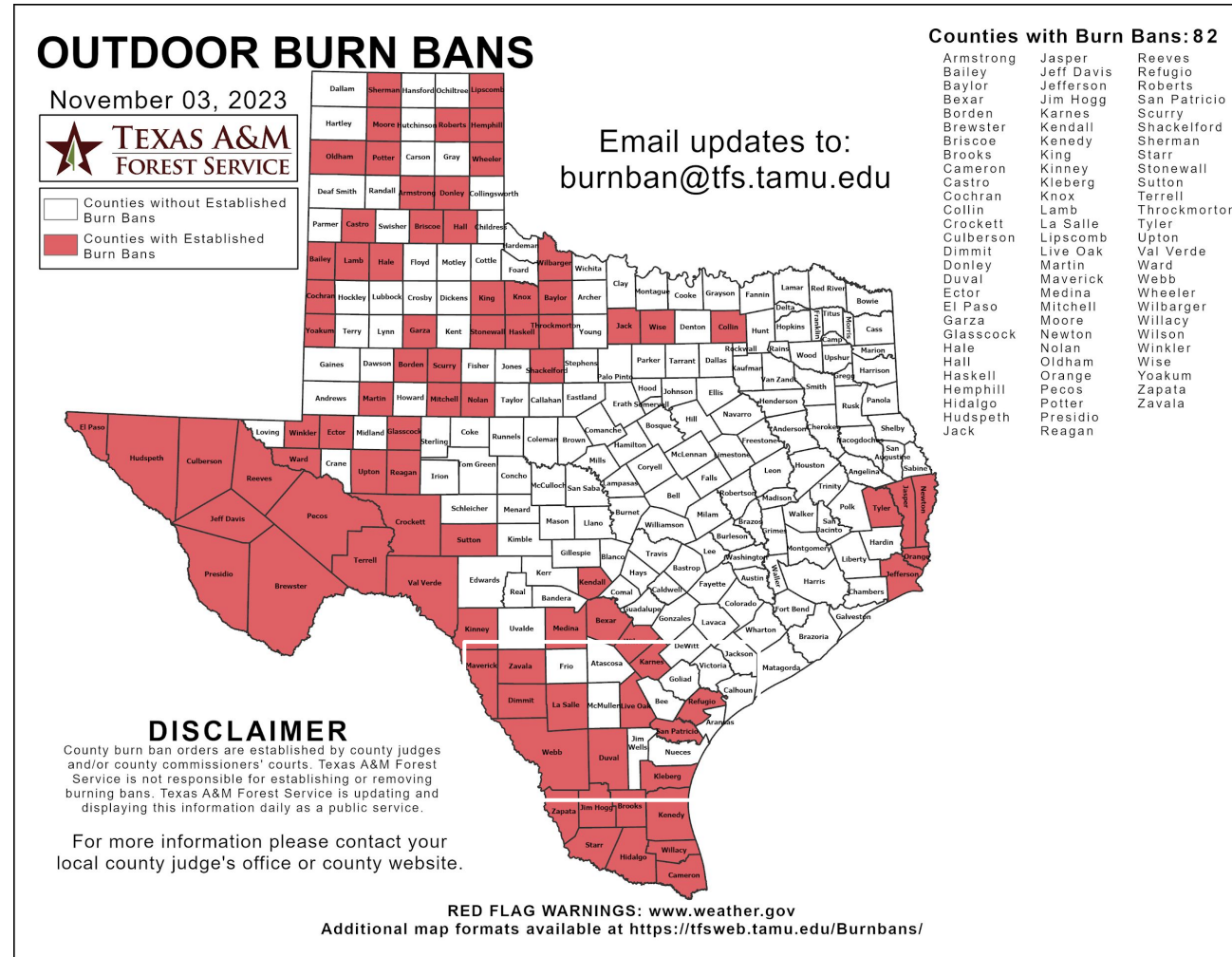


Image Caption: [TX Map Outdoor Burn Ban](#) Valid Month October 2, 2023

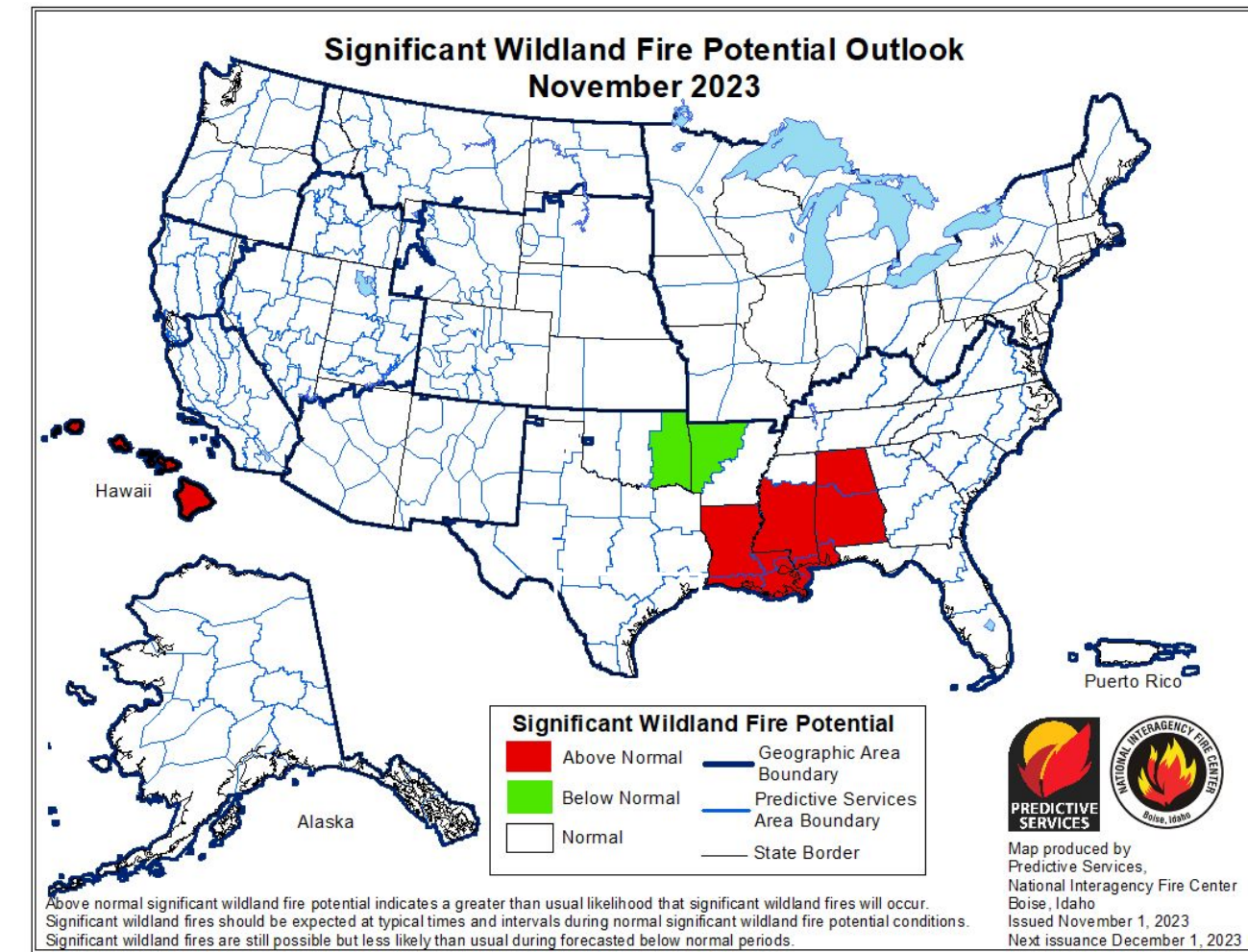


Image Caption: [Significant Wildland Fire Potential Monthly Outlook](#) for October 2023





Long-Range Outlooks

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The latest monthly and seasonal outlooks can be found on the [CPC homepage](#)

- Above normal temperatures expected through November.
- Equal chances for above or below normal precipitation through November.

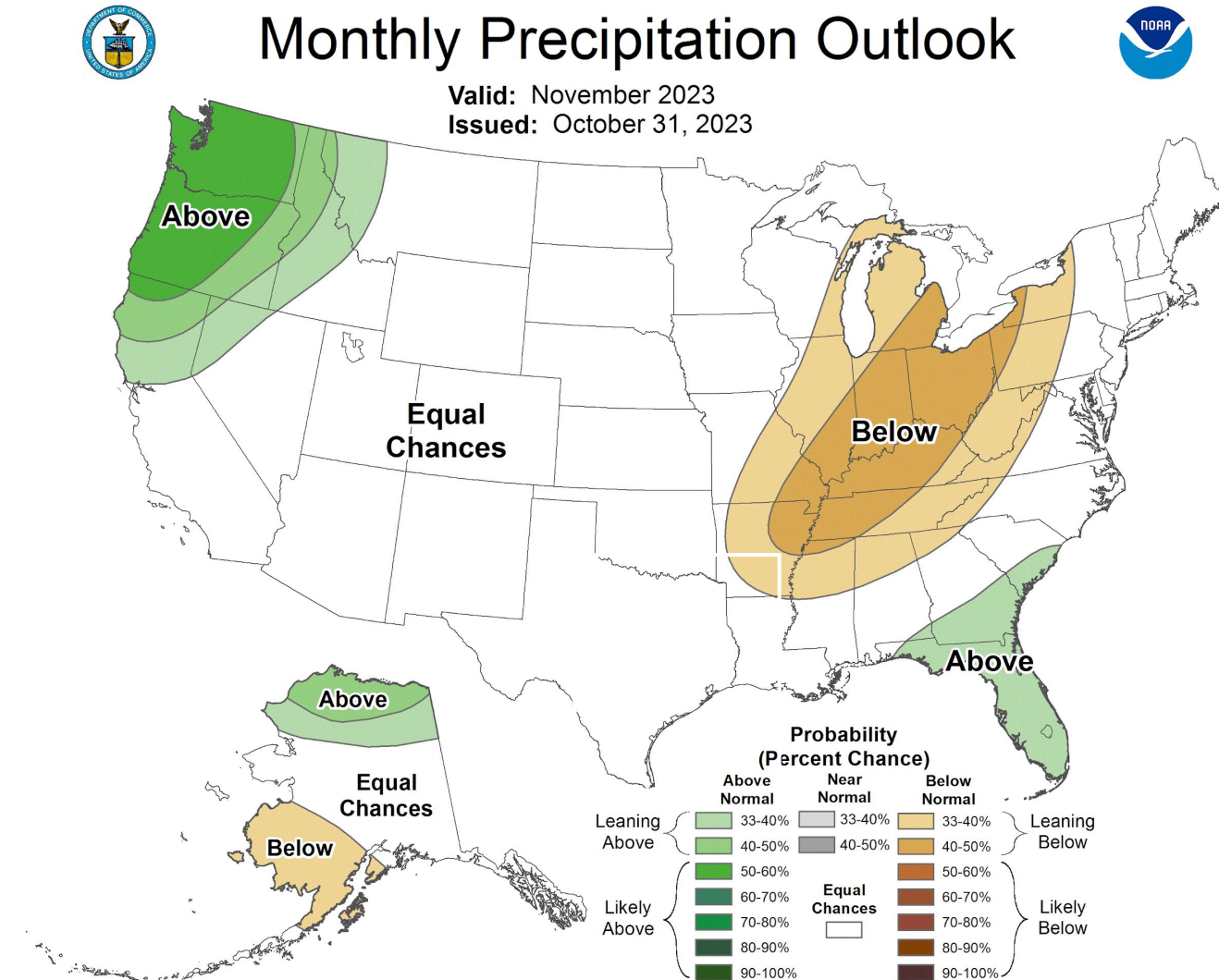
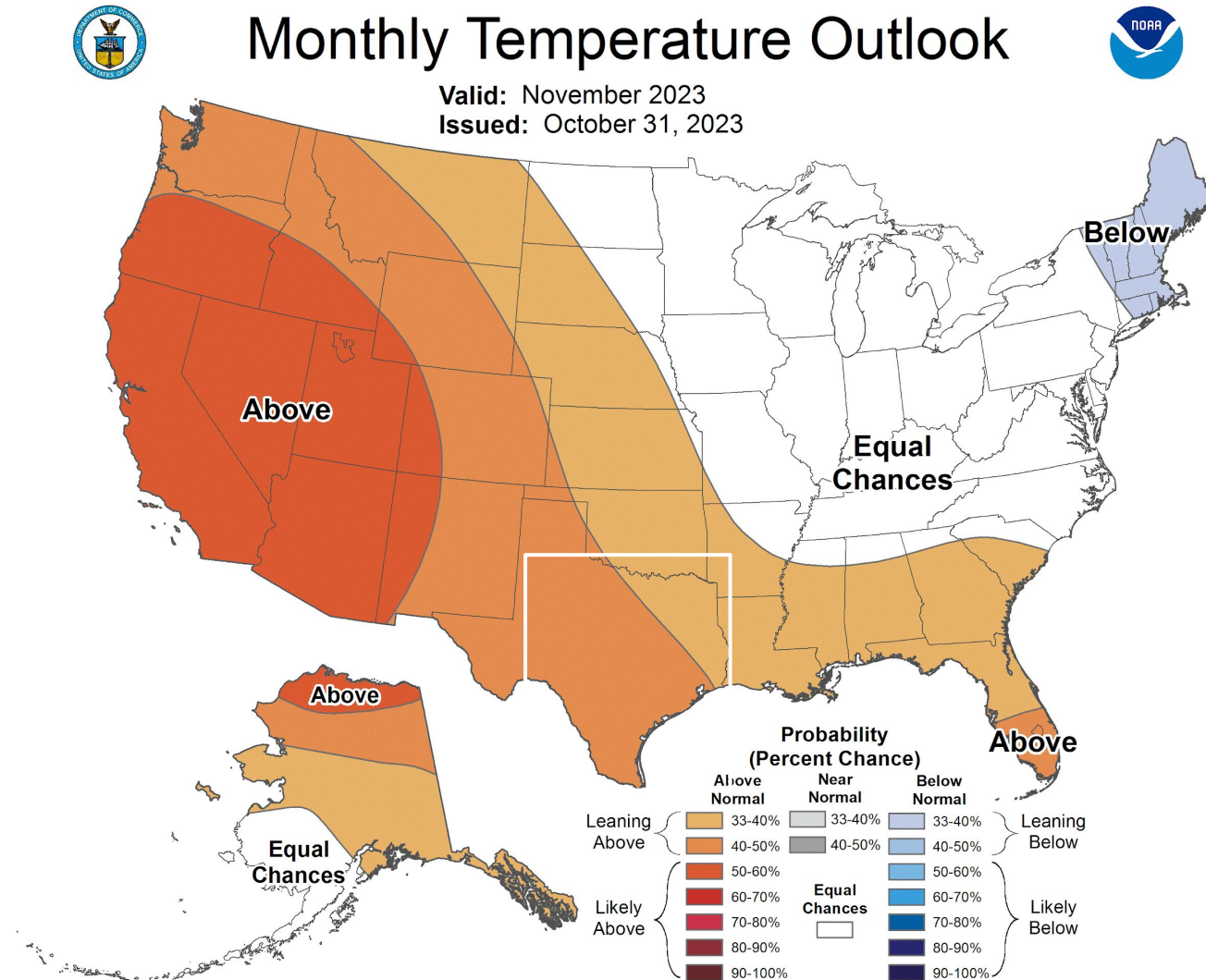


Image Captions:

Left - [Climate Prediction Center Monthly Temperature Outlook.](#)

Right - [Climate Prediction Center Monthly Precipitation Outlook.](#)





Drought Outlook

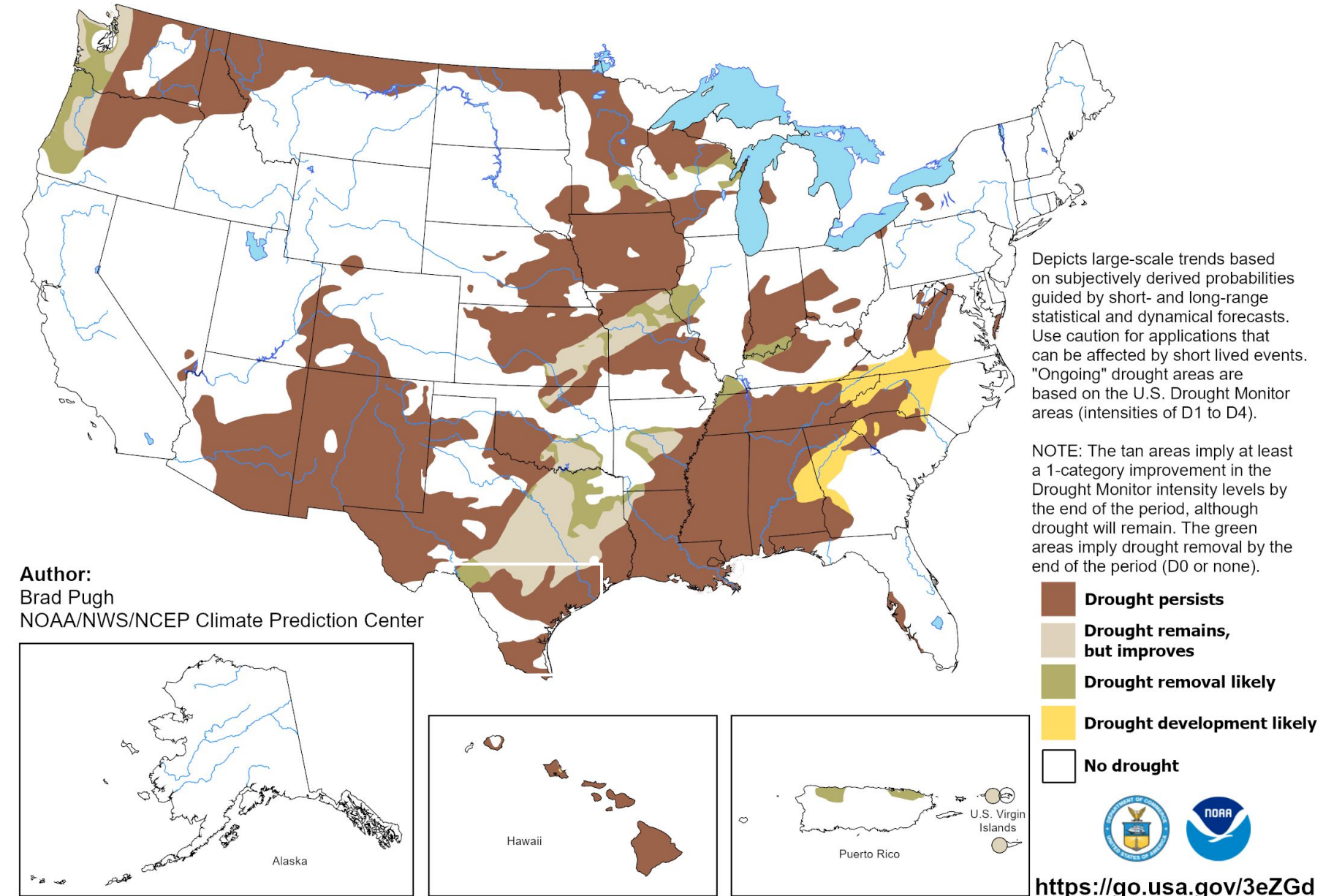
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The latest monthly and seasonal outlooks can be found on the [CPC homepage](#)

- Drought conditions are expected to persist across the region,

U.S. Monthly Drought Outlook Drought Tendency During the Valid Period

Valid for November 2023
Released October 31, 2023



Links to the latest:

- [Climate Prediction Center Monthly Drought Outlook](#)
- [Climate Prediction Center Seasonal Drought Outlook](#)

Image Caption:

Climate Prediction Center Monthly Drought Outlook



National Oceanic and Atmospheric Administration
U.S. Department of Commerce

National Weather Service
Corpus Christi, TX