

# Drought Information Statement for South Texas

Valid October 4, 2023

Issued By: NWS Corpus Christi, TX

Contact Information: [sr-crp.webmaster@noaa.gov](mailto:sr-crp.webmaster@noaa.gov)

- This product will be updated November, 07, 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

October 4, 2023  
10:04 AM

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

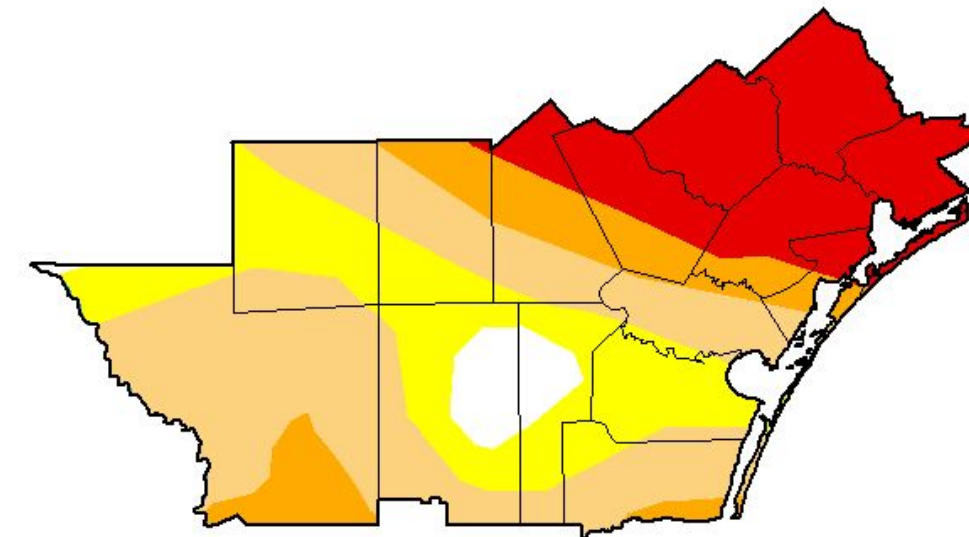
- Drought conditions spread across most of South Texas
- Drought intensity and Extent
  - D4 (Exceptional Drought): None
  - D3 (Extreme Drought): Victoria Crossroads, Northern Coastal Bend, and Northern Coastal Plains
  - D2 (Severe Drought): Southern Brush Country and portions of the Coastal Plains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

## U.S. Drought Monitor Corpus Christi, TX WFO

September 26, 2023  
(Released Thursday, Sep. 28, 2023)  
Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
<b>Current</b>	4.33	95.67	72.50	35.40	23.70	0.00
<b>Last Week</b> 09-19-2023	4.33	95.67	72.50	34.98	23.70	0.00
<b>3 Months Ago</b> 06-27-2023	11.12	88.88	0.00	0.00	0.00	0.00
<b>Start of Calendar Year</b> 01-03-2023	59.96	40.04	13.56	2.65	0.00	0.00
<b>Start of Water Year</b> 09-27-2022	66.55	33.45	8.31	2.65	0.00	0.00
<b>One Year Ago</b> 09-27-2022	66.55	33.45	8.31	2.65	0.00	0.00



Intensity:

- None
- 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. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>

Author:

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NCEI/NOAA



[droughtmonitor.unl.edu](https://droughtmonitor.unl.edu)

Image Caption: U.S. Drought Monitor valid 8am EDT September 26th.



# Recent Change in Drought Intensity

October 4, 2023  
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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 Southern Coastal Bend
  - No Change: Much of the Victoria Crossroads, Coastal Bend, and portions of the Coastal Plains and Brush Country
  - Drought Improved: A large portion of the Brush Country and parts of the Coastal Plains and Coastal Bend

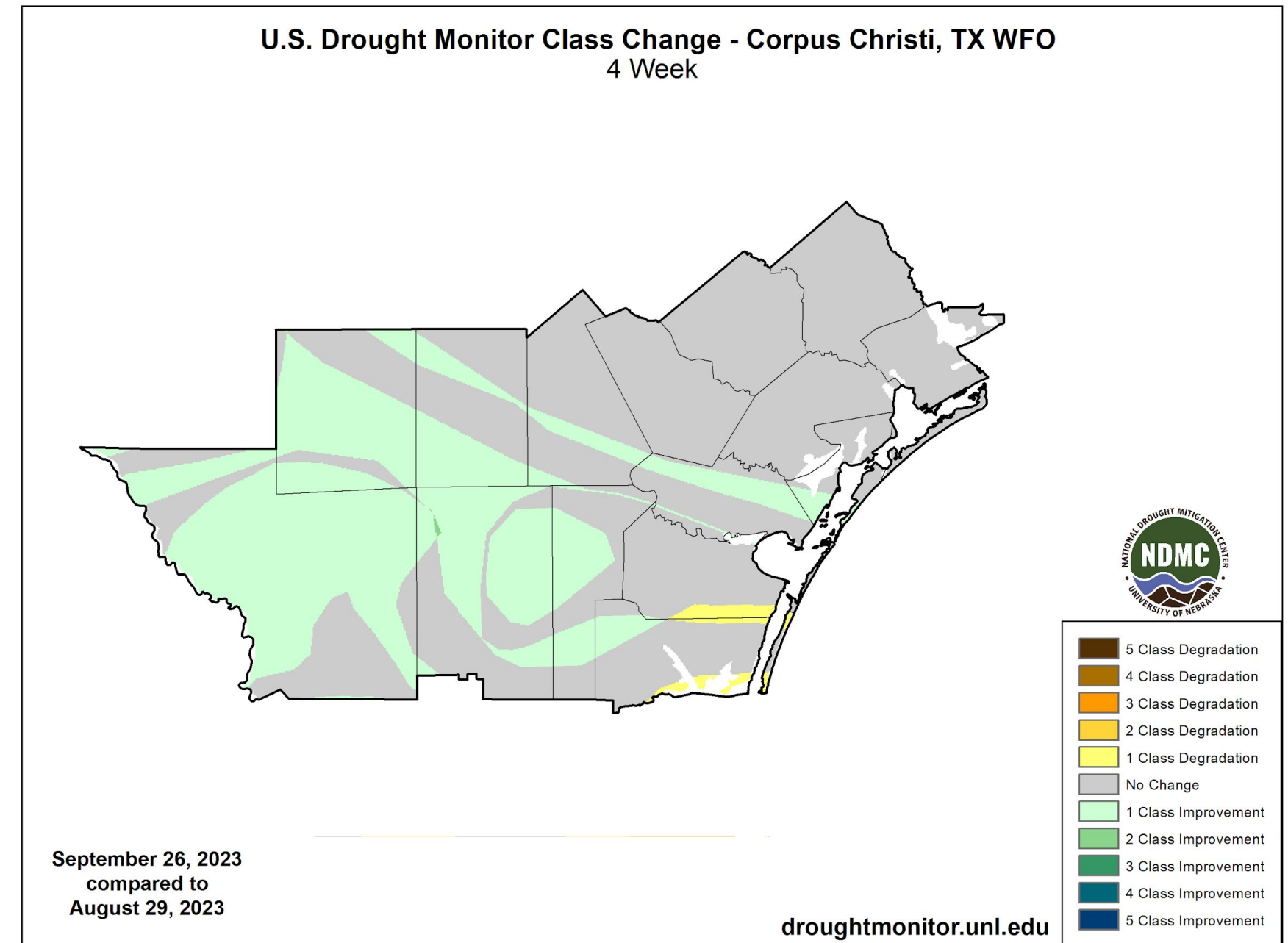


Image Caption: U.S. Drought Monitor 4-week change map valid 8am EDT September 26th.





# Precipitation

October 4, 2023  
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- The majority of South Texas saw below normal rainfall through the month. However, portions of Brush Country and Victoria Crossroads saw near to above normal rainfall during September.

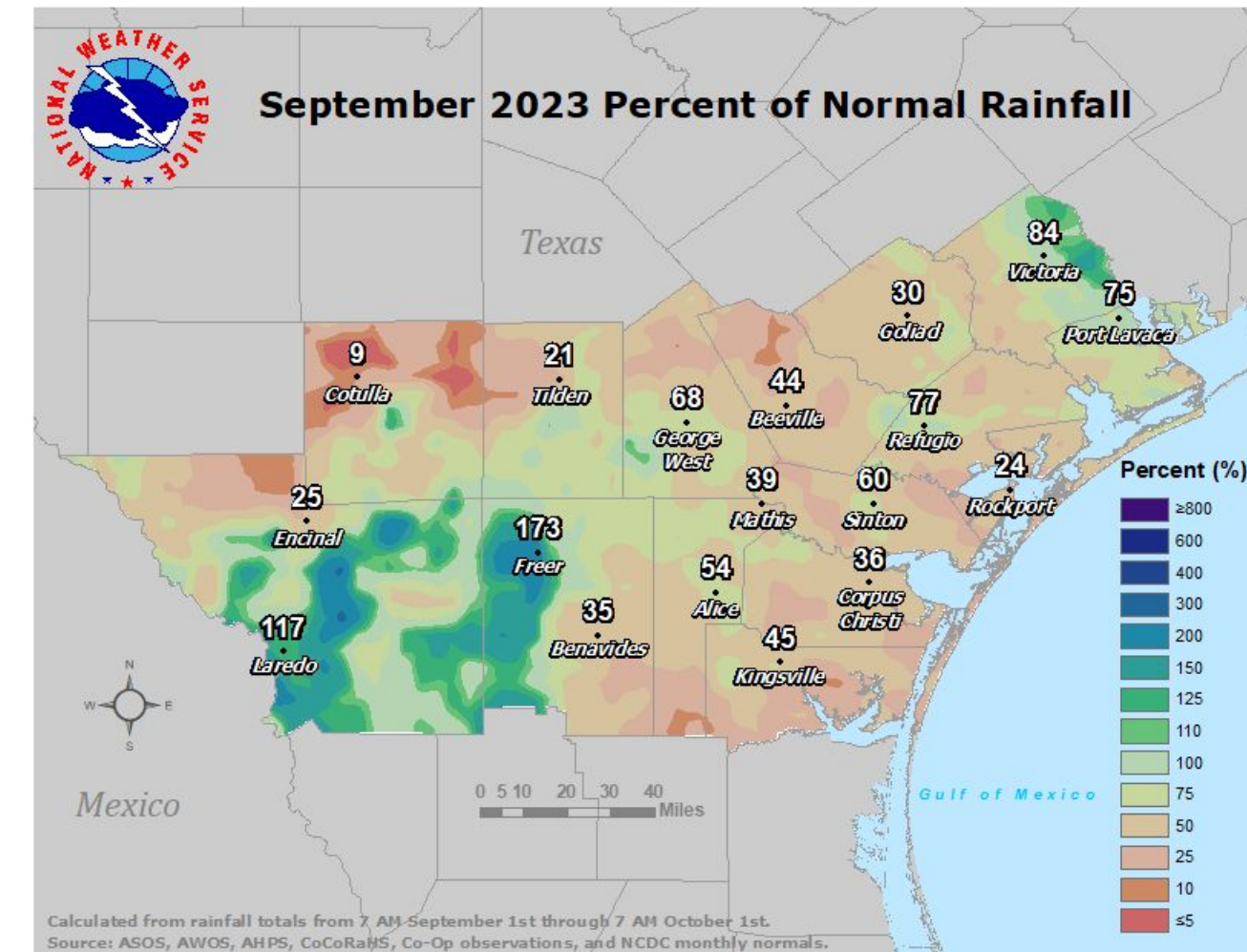
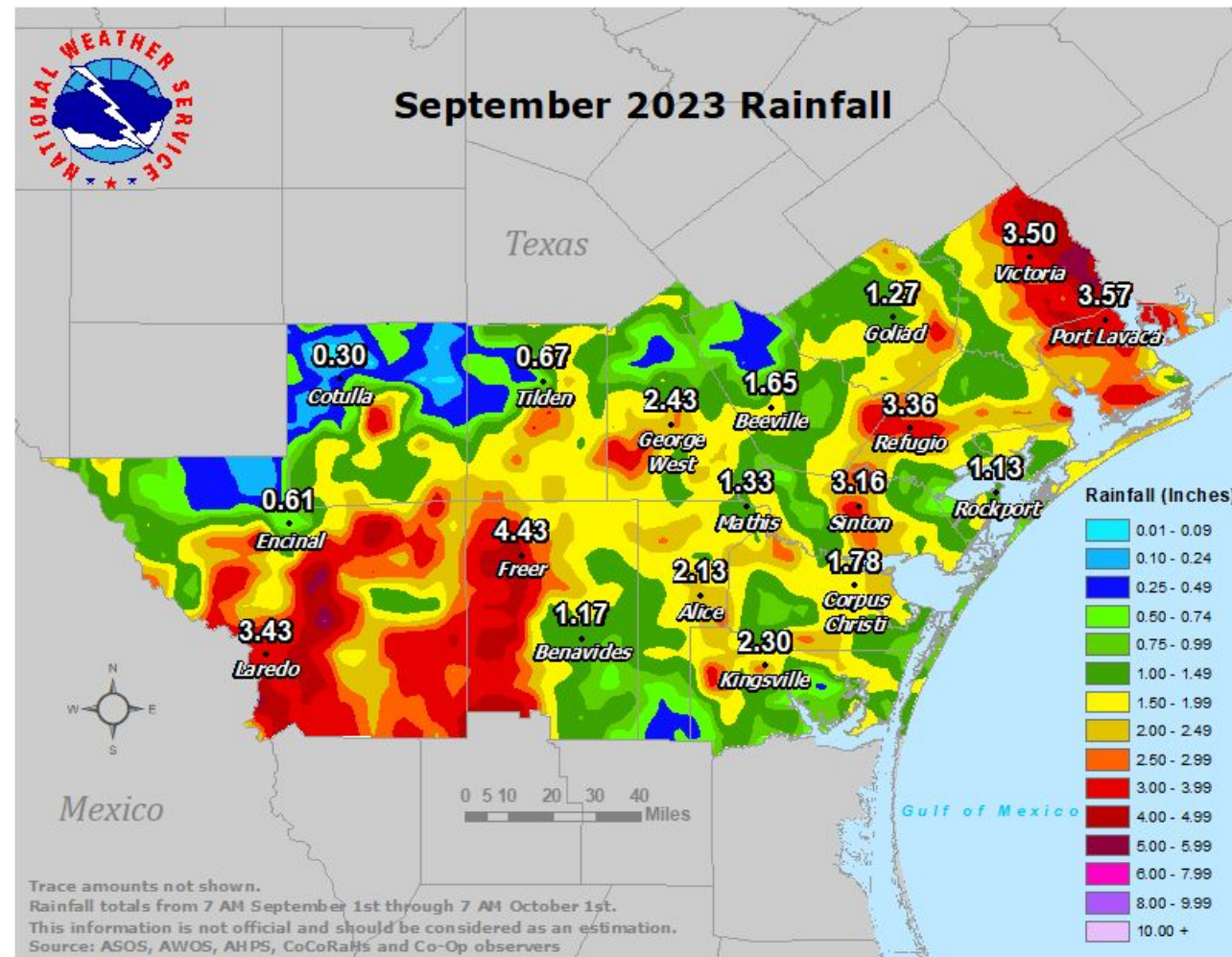


Image Captions:  
 Left - Precipitation Amount for South Texas  
 Right - Percent of Normal Precipitation for South Texas  
 Data Courtesy Corpus Christi Weather Service Forecast Office.  
 Data over the past 30 days ending 7AM October, 01, 2023

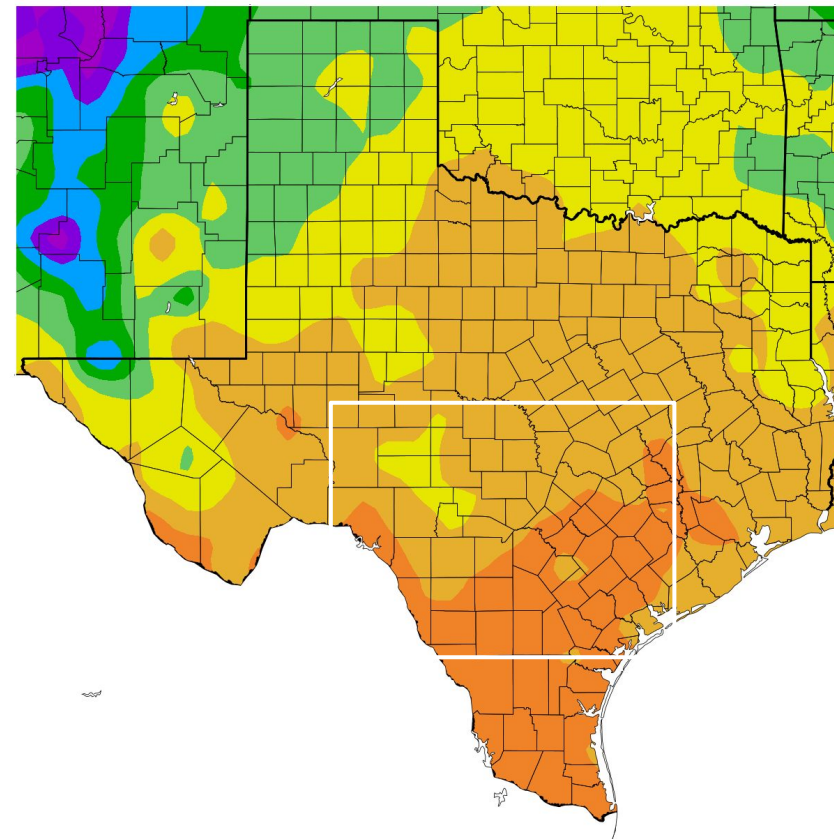


# Temperature

October 4, 2023  
10:04 AM

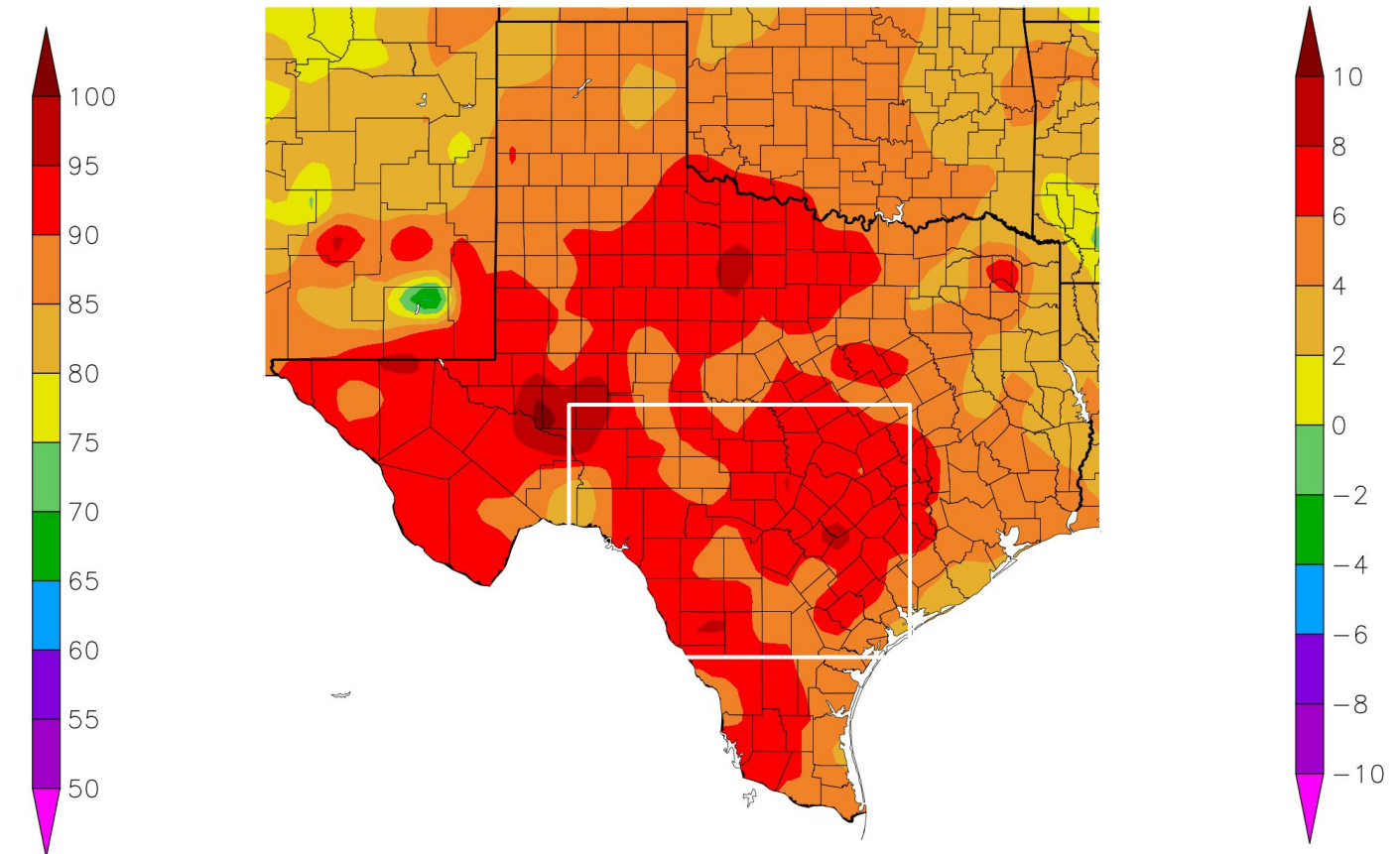
- Above normal temperatures continued through the month of September.

Temperature (F)  
9/4/2023 - 10/3/2023



Generated 10/4/2023 at HPRCC using provisional data.

Departure from Normal Temperature (F)  
9/4/2023 - 10/3/2023



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 October, 03, 2023





# Summary of Impacts

October 4, 2023  
10:04 AM

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.

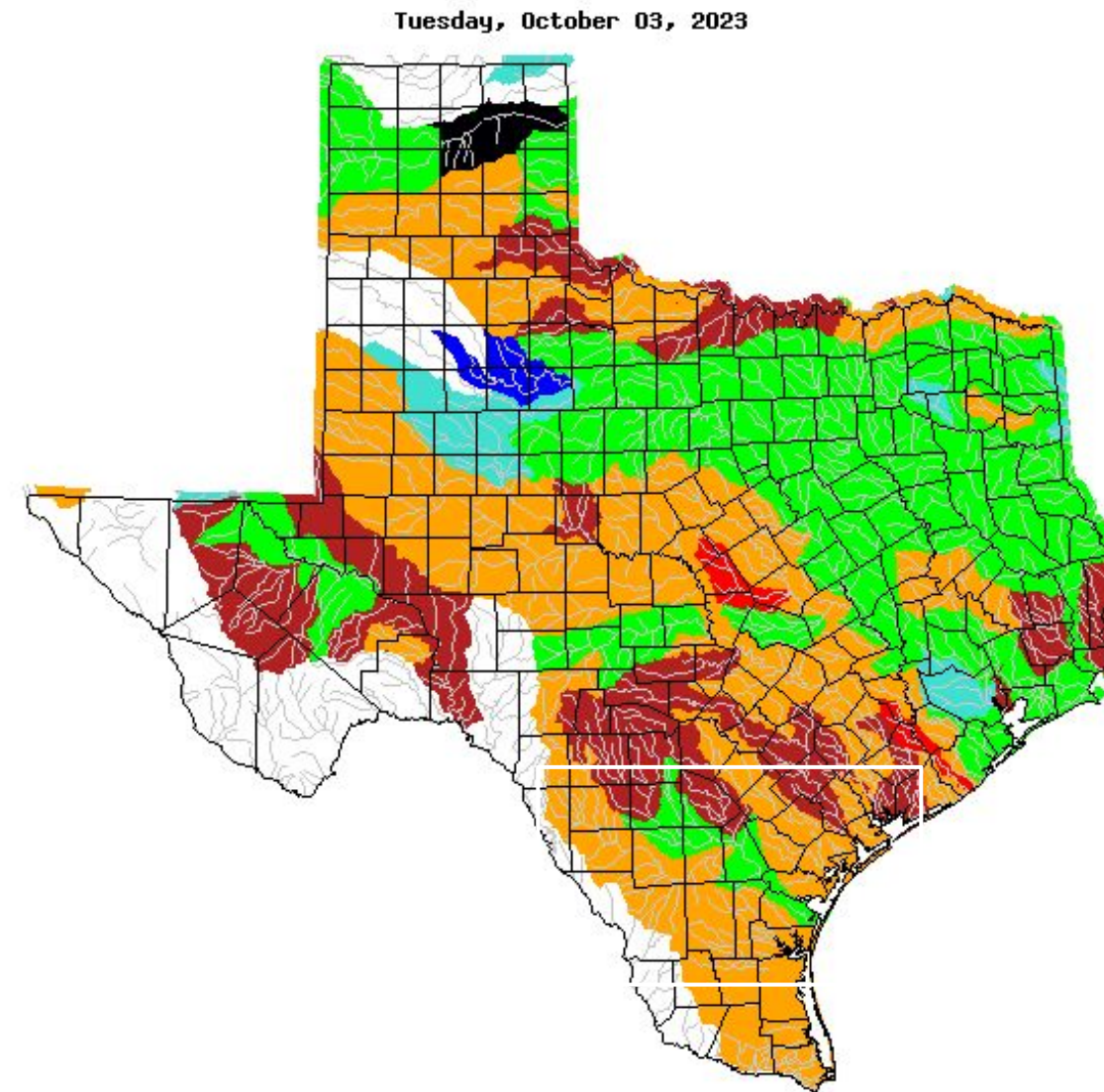




# Hydrologic Conditions and Impacts

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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	193.9
Lake Corpus Christi	94.0	87.2
Lake Texana	44.0	N/A
Coleta Creek	98.0	94.8
Canyon Lake	909.0	890.6
Lake Amistad	1117.0	1066.0

Image Captions:

[Left- Reservoir Pool Elevation Table valid 10 04 2023](#)

[Right- USGS 7 day average streamflow HUC map valid 10 01 2023](#)



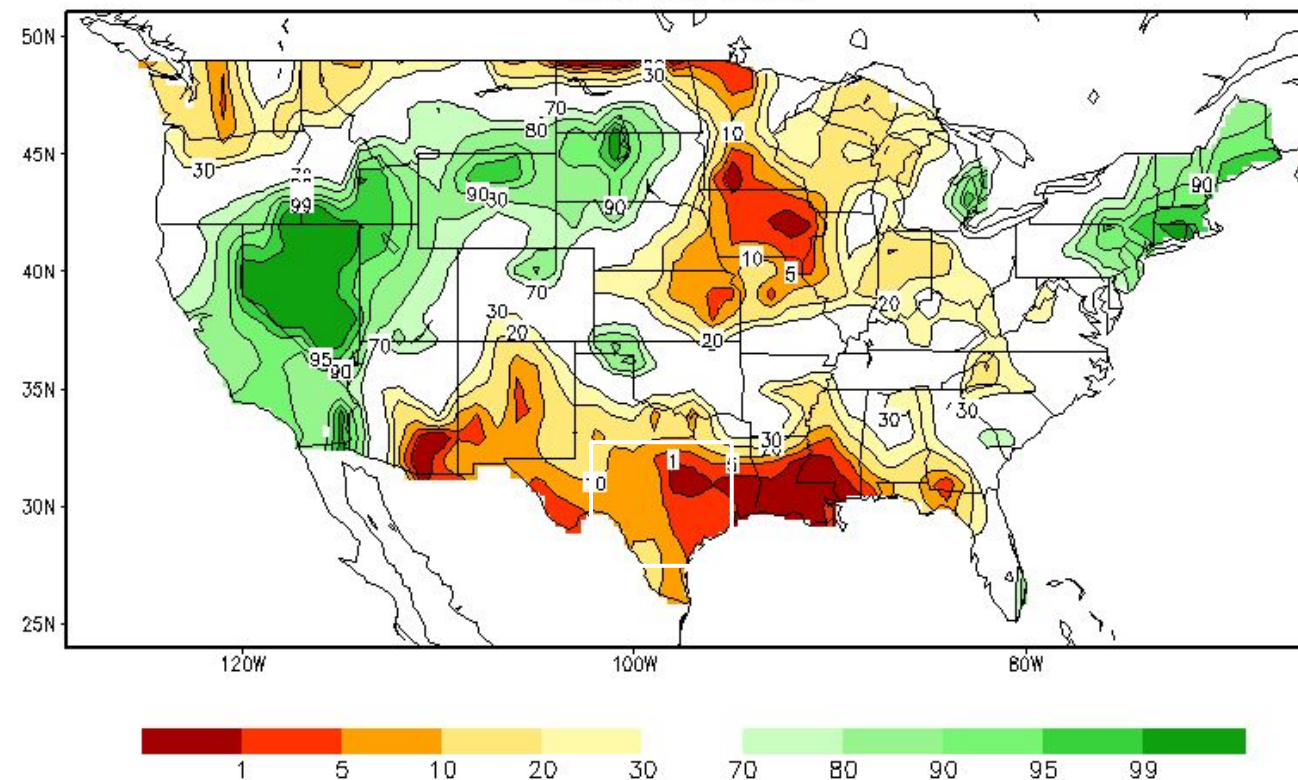


# Agricultural Impacts

October 4, 2023  
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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  
OCT 03, 2023



Crop Moisture Index by Division  
Weekly Value for Period Ending SEP 30, 2023  
Short Term Need vs. Available Water in a Shallow Soil Profile

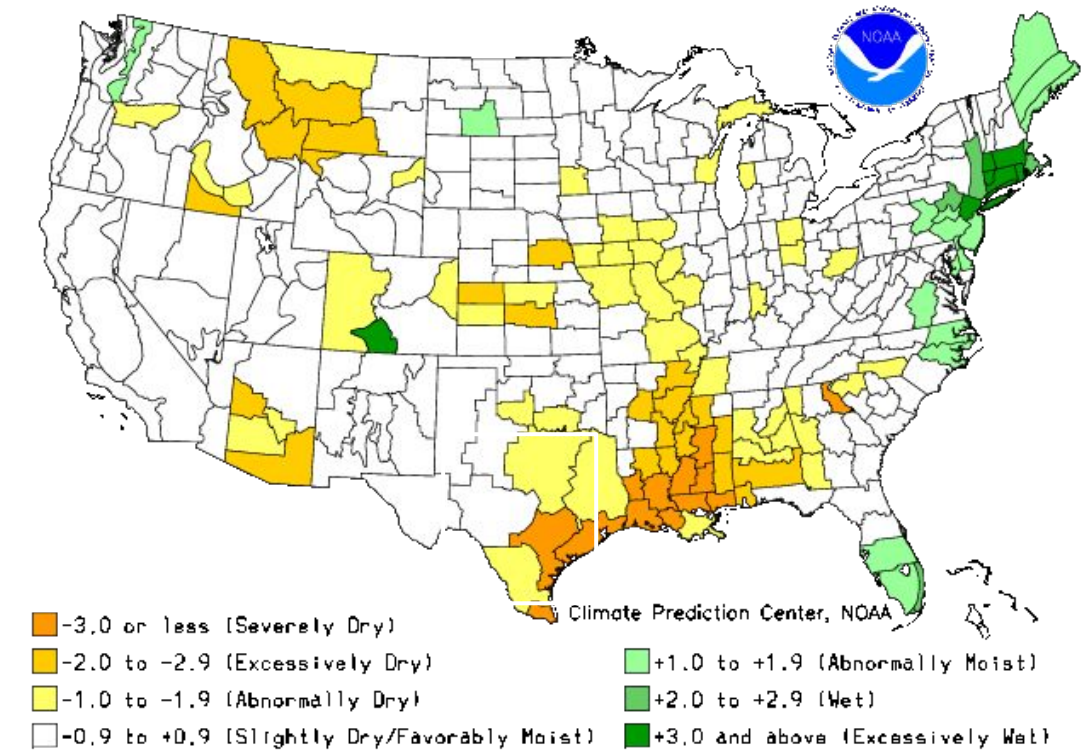


Image Captions:

Left: CPC Calculated [Soil Moisture Ranking Percentile](#) valid October 03, 2023

Right: [Crop Moisture Index by Division](#). Weekly value for period ending September 30, 2023







# Fire Hazard Impacts

October 4, 2023  
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Link to [Wildfire Potential Outlooks from the National Interagency Coordination Center](#).

- Burn Bans in place for the majority of South Texas
- Normal significant wildfire potential through October

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

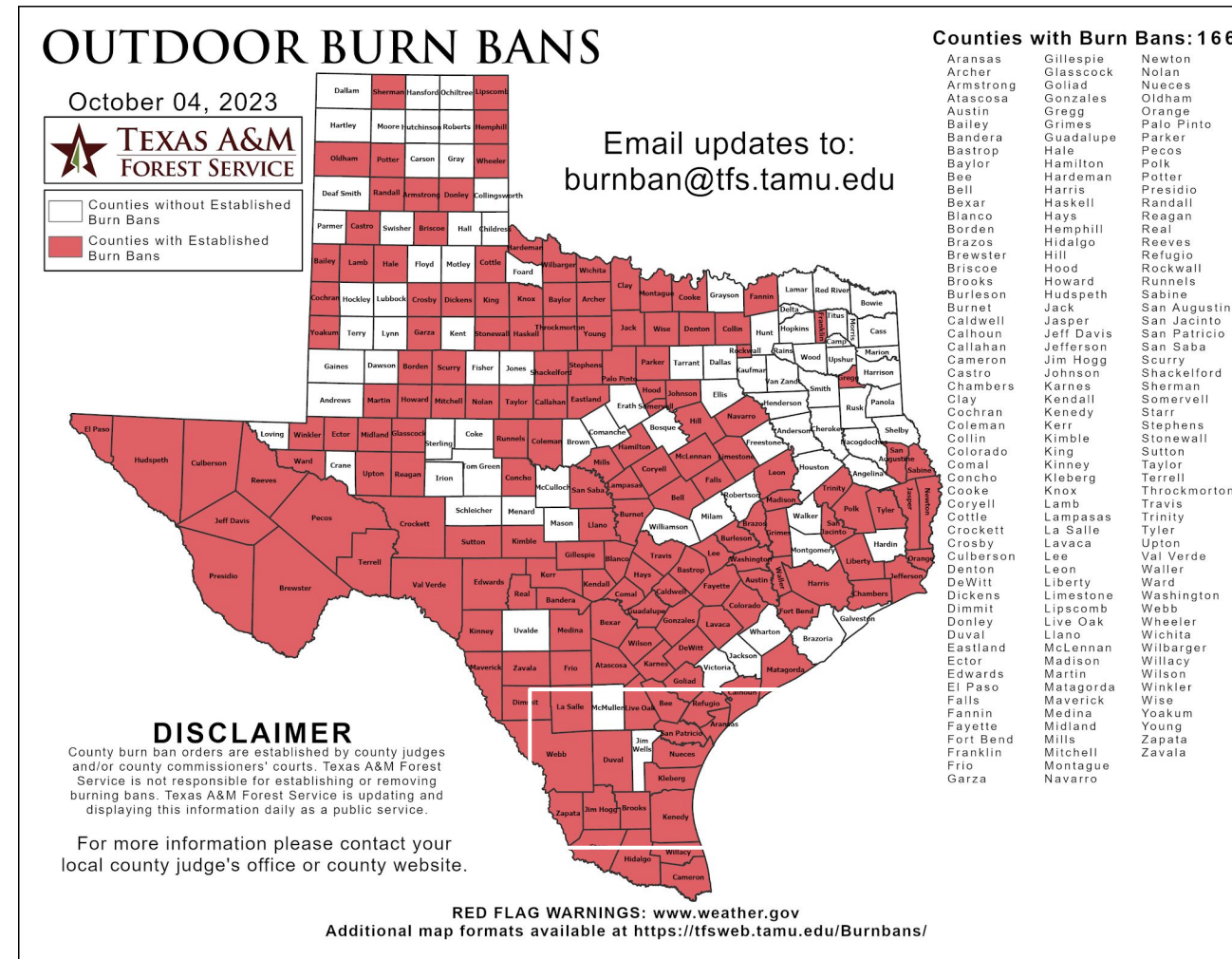


Image Caption: [TX Map Outdoor Burn Ban](#) Valid October 2023

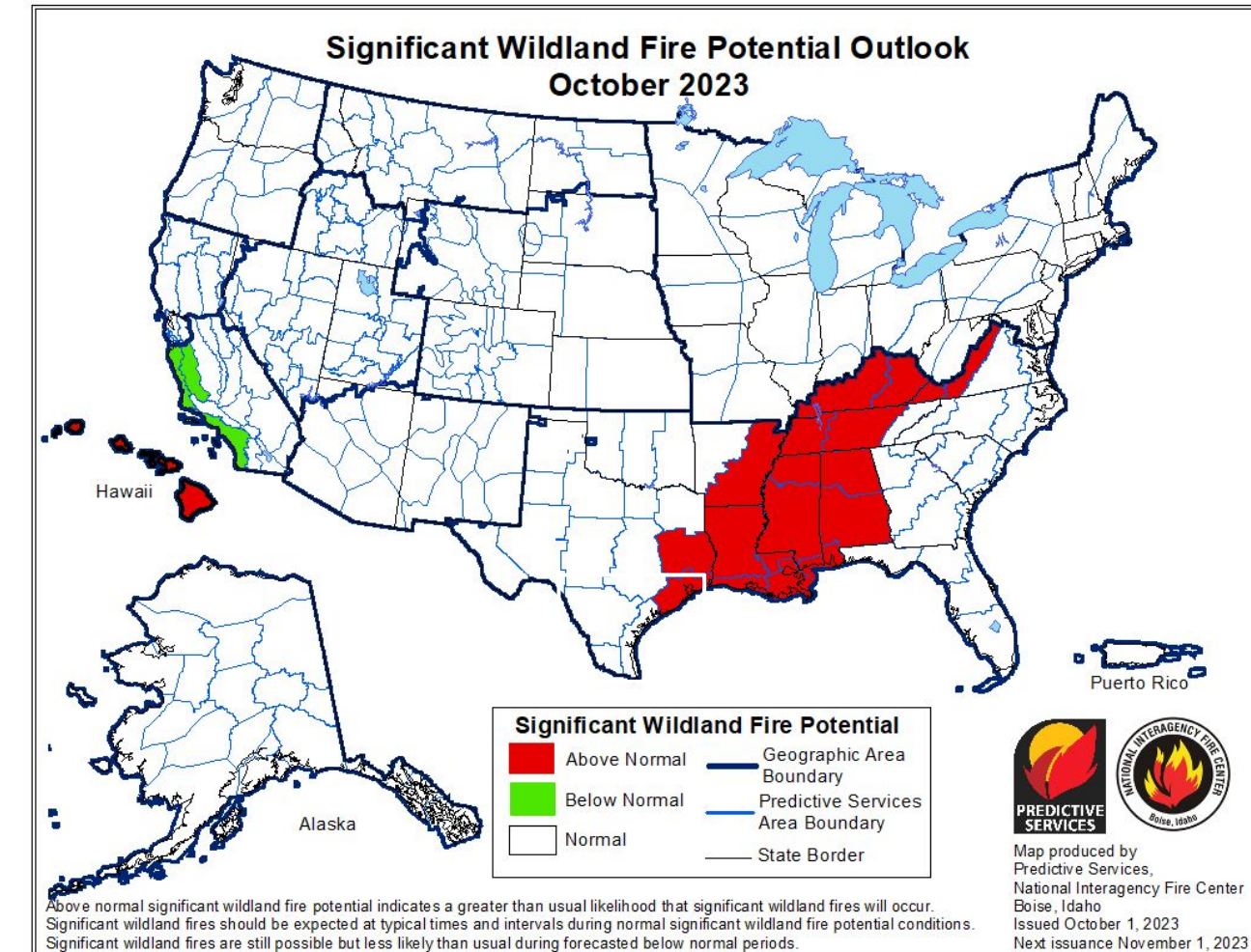


Image Caption: [Significant Wildland Fire Potential Monthly Outlook](#) for October 2023





# Seven Day Precipitation Forecast

October 4, 2023  
10:04 AM

- Around 2-4" forecast along the immediate coast
- Up to around 1.50" for the rest of South Texas

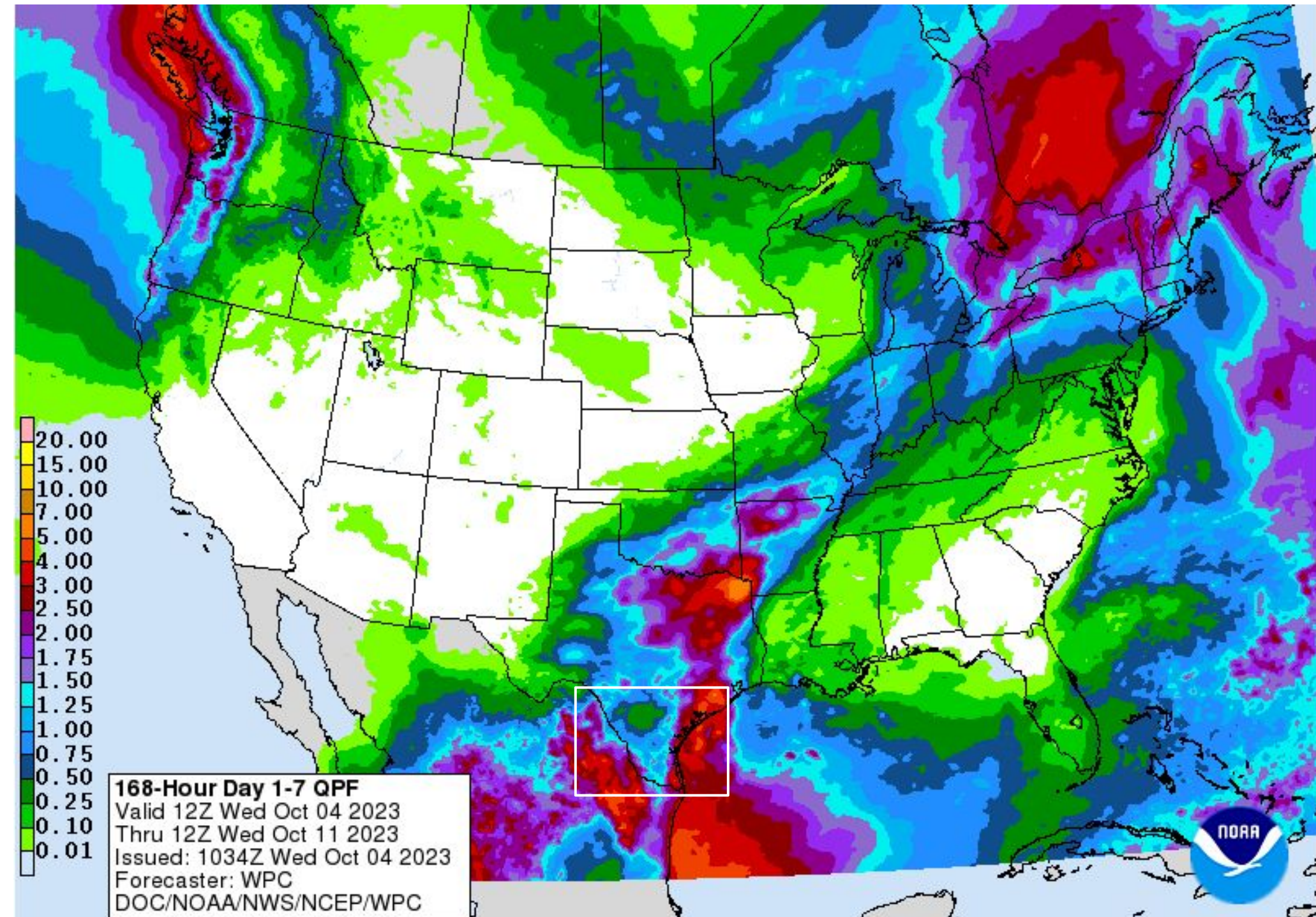


Image Caption: Weather Prediction Center [7-day precipitation forecast](#) valid Oct 4 to Oct 11



# Long-Range Outlooks

October 4, 2023  
10:04 AM

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

- Above normal temperatures and precipitation expected through the month of October.

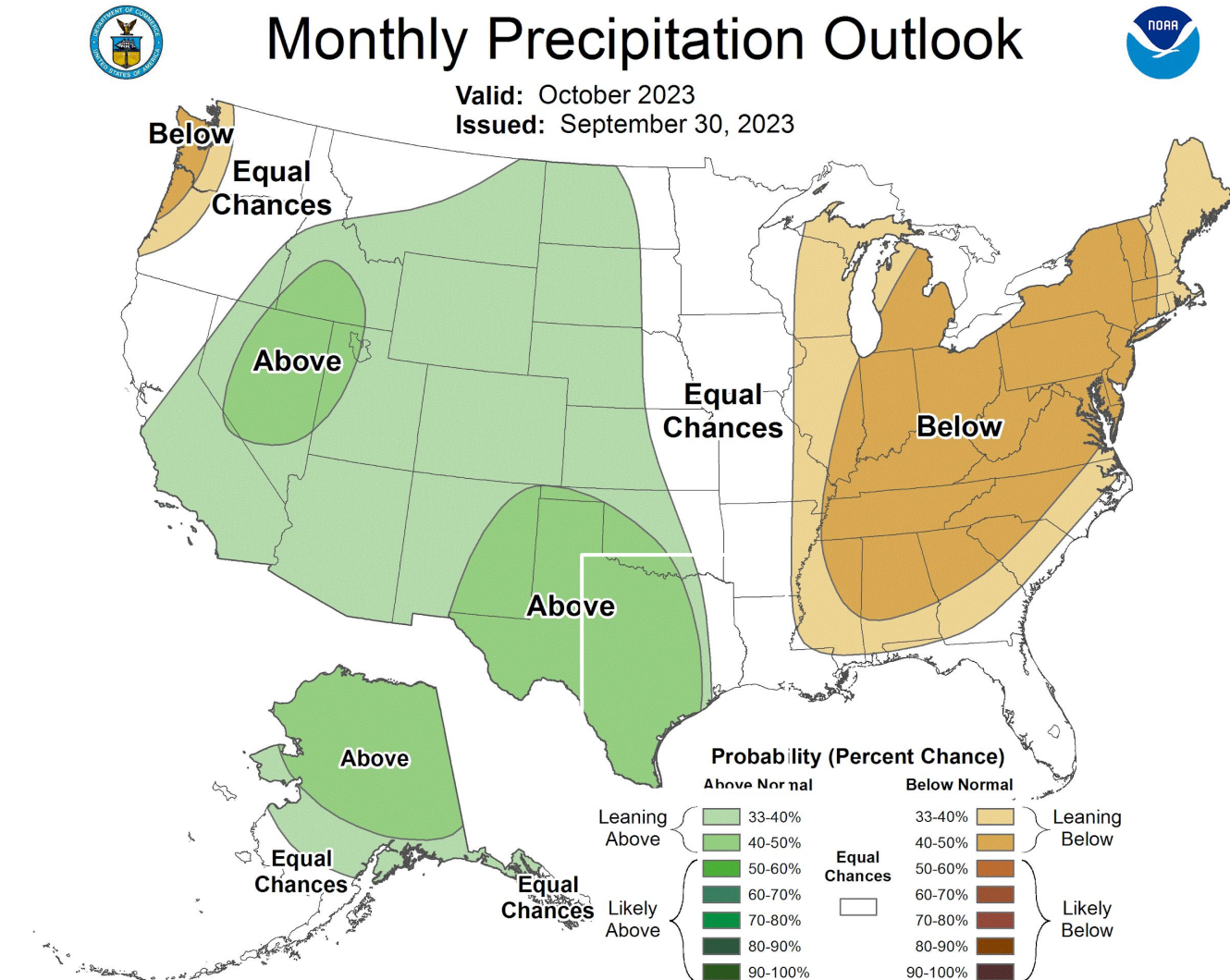
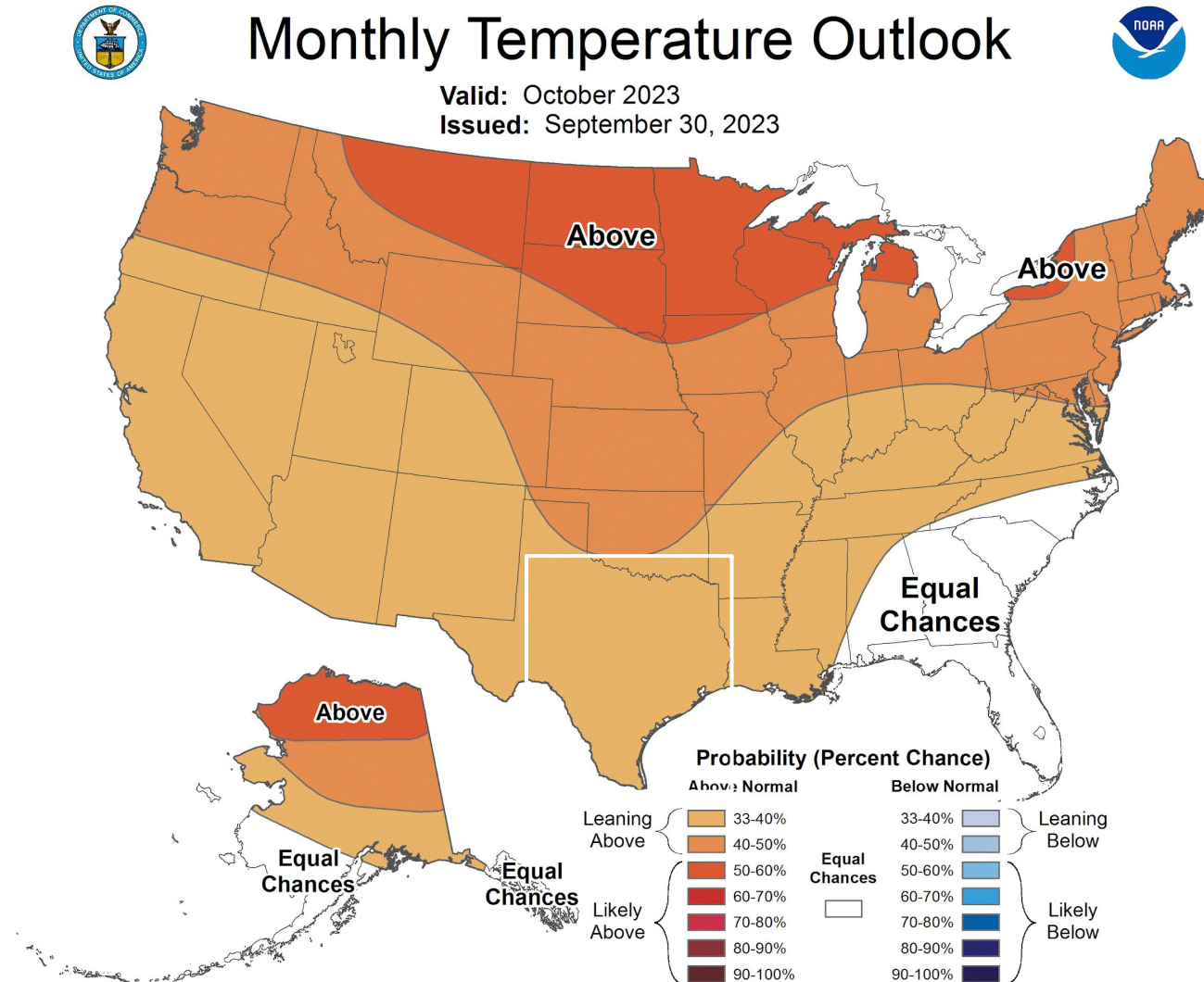


Image Captions:

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

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





# Drought Outlook

October 4, 2023  
10:04 AM

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

- Drought conditions are expected to slowly improve through the month.

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

Valid for October 2023  
Released September 30, 2023

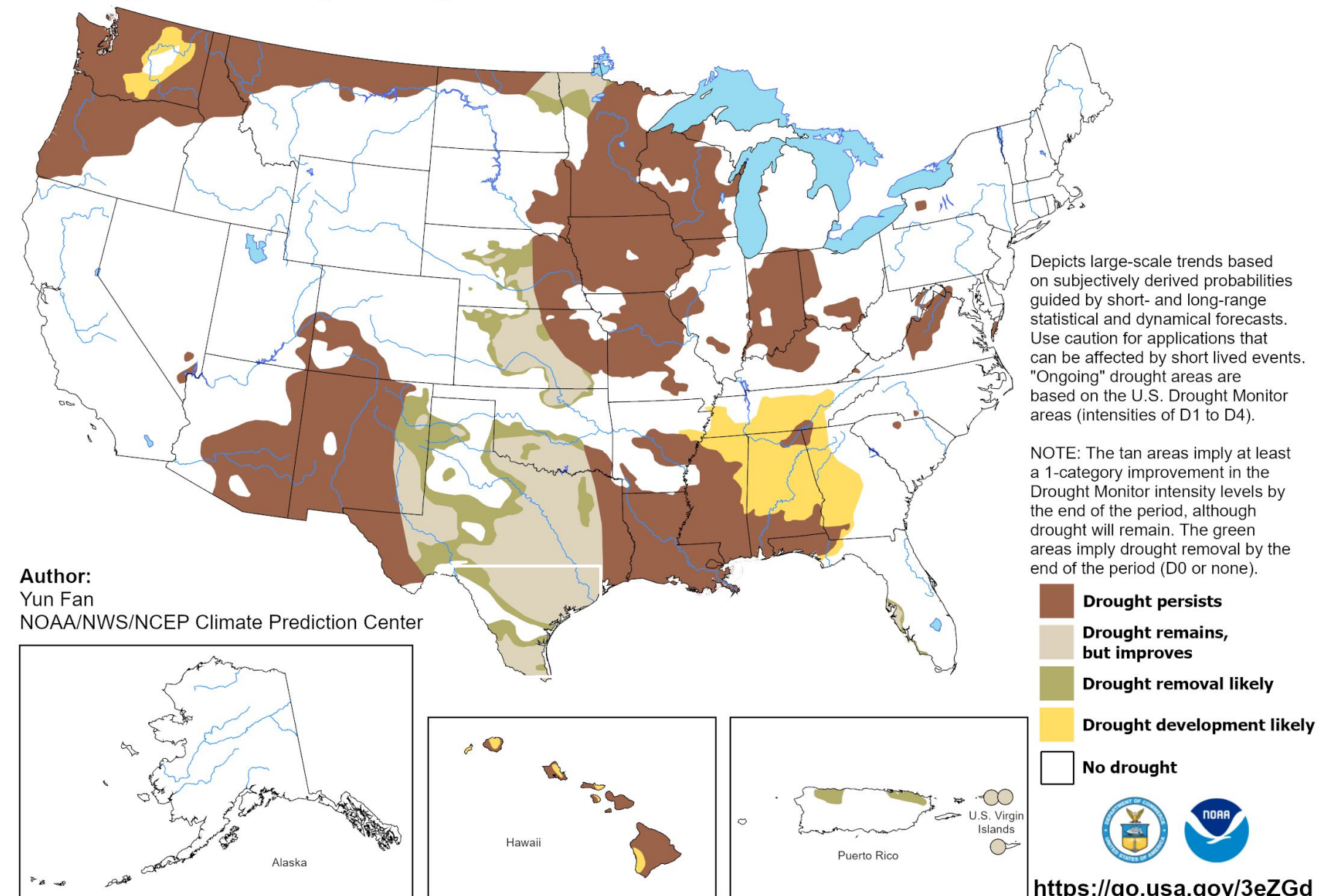


Image Caption:  
Climate Prediction Center Monthly Drought Outlook

Links to the latest:  
[Climate Prediction Center Monthly Drought Outlook](#)  
[Climate Prediction Center Seasonal Drought Outlook](#)