

Drought Information Statement for South Texas

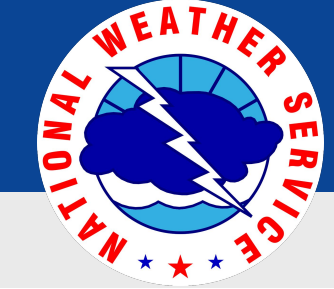
Valid December 4, 2023

Issued By: NWS Corpus Christi, TX

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

- This product will be updated January 7, 2024 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

December 4, 2023
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Link to the [latest U.S. Drought Monitor](#) for South Texas

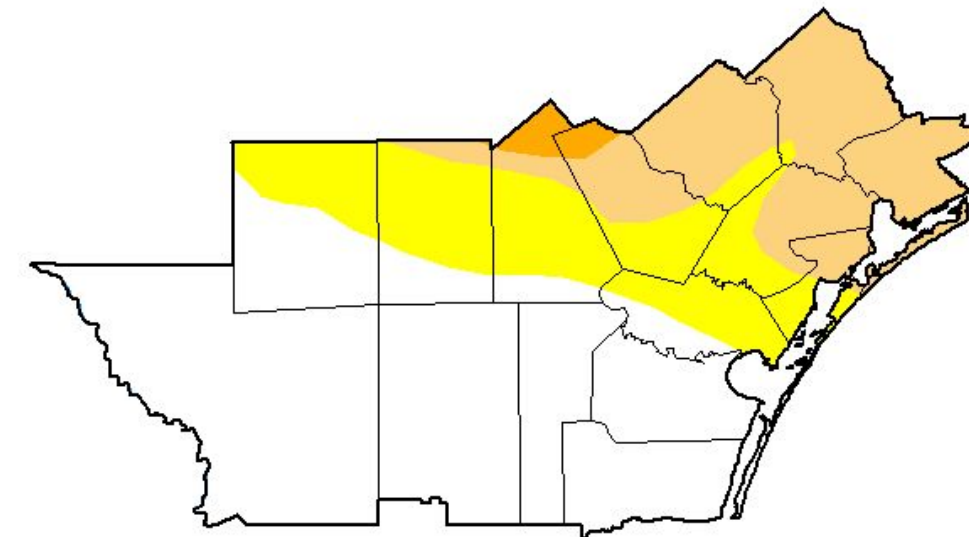
- Drought conditions improve across much of South Texas
- Drought intensity and Extent
 - D4 (Exceptional Drought): None
 - D3 (Extreme Drought): None
 - D2 (Severe Drought): Sliver of the northern Coastal Plains
 - D1 (Moderate Drought): Portions of the Coastal Plains, Victoria Crossroads and northern Coastal Bend
 - D0: (Abnormally Dry): Portions of the northern Brush Country, northern Coastal Plains, and northern Coastal Bend

U.S. Drought Monitor Corpus Christi, TX WFO

November 28, 2023
(Released Thursday, Nov. 30, 2023)
Valid 7 a.m. EST

Drought Conditions (Percent Area)

| | None | D0-D4 | D1-D4 | D2-D4 | D3-D4 | D4 |
|---|-------|--------|-------|-------|-------|------|
| Current | 57.03 | 42.97 | 22.06 | 1.43 | 0.00 | 0.00 |
| Last Week 11-21-2023 | 57.03 | 42.97 | 25.21 | 1.70 | 0.00 | 0.00 |
| 3 Months Ago 08-29-2023 | 0.00 | 100.00 | 85.39 | 53.19 | 23.74 | 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 11-29-2022 | 75.75 | 24.25 | 8.20 | 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:

David Simeral
Western Regional Climate Center



droughtmonitor.unl.edu

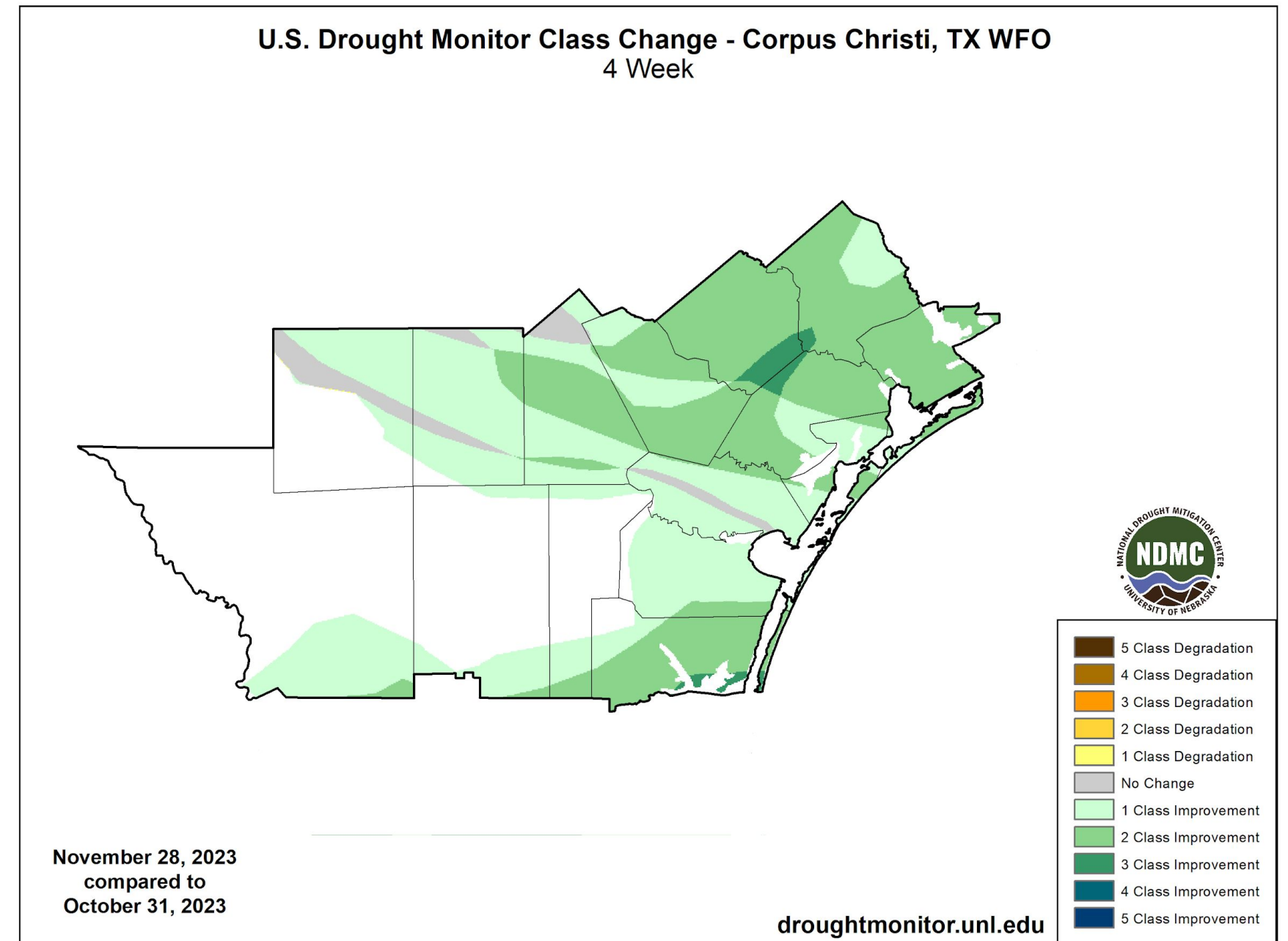


Recent Change in Drought Intensity

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

- Four Week Drought Monitor Class Change.
 - Drought Worsened: None
 - No Change: Small portions of the Brush Country, Coastal Plains and Coastal Bend
 - Drought Improved: Most of South Texas, mainly east and northern counties. Portions of southern Brush Country to the Coastal Bend



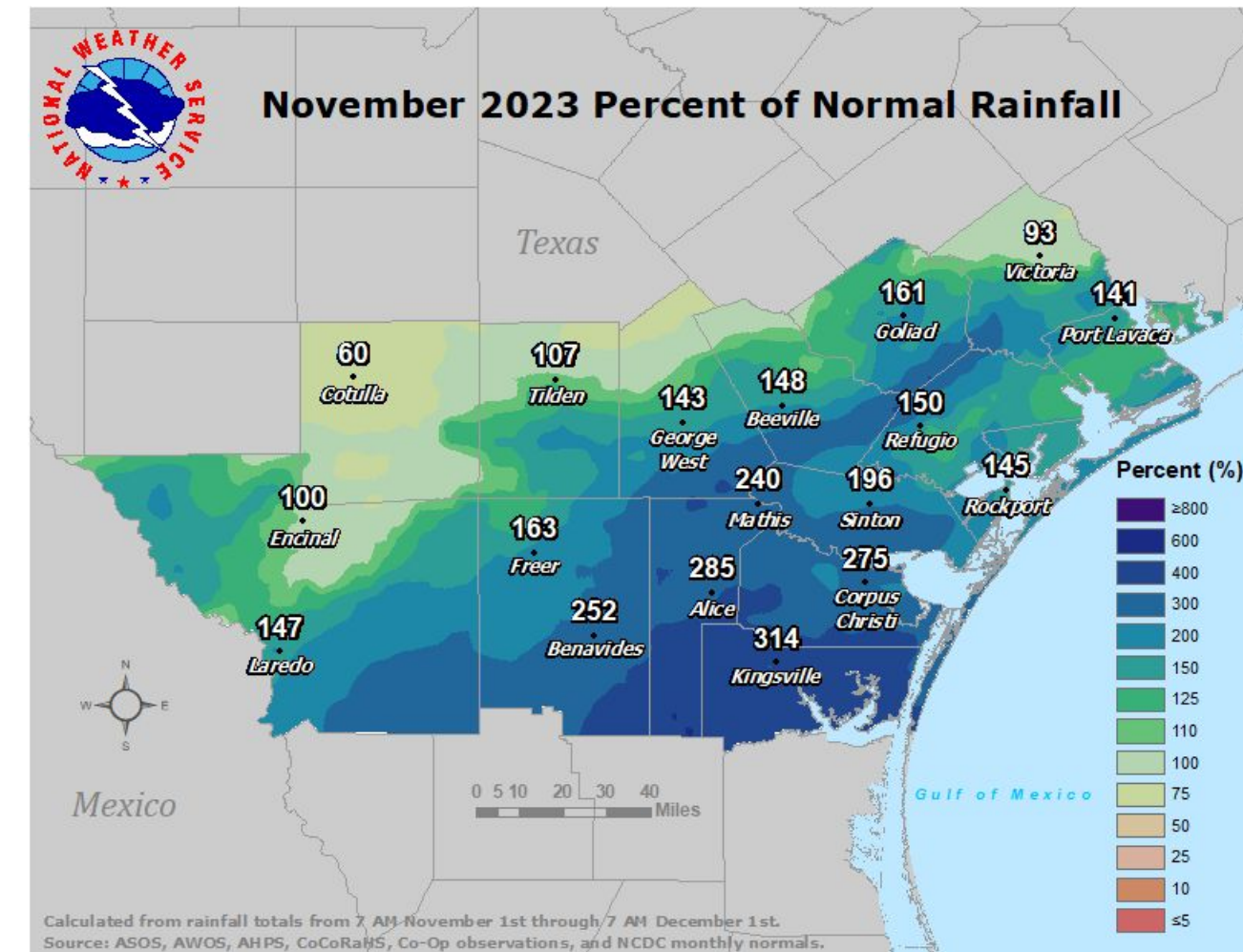
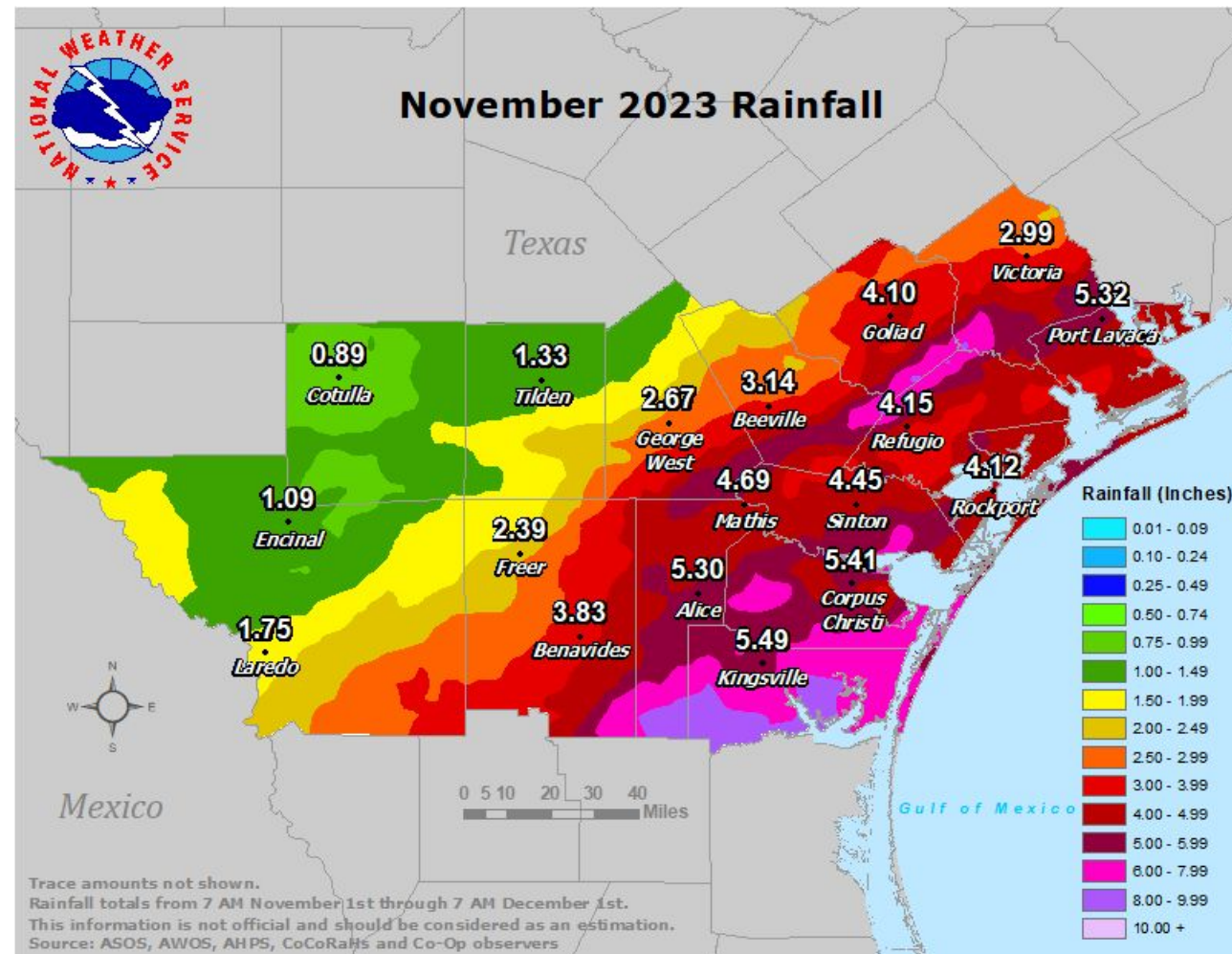


Precipitation

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Latest Monthly Rainfall for South Texas

- Most of South Texas saw above normal rainfall throughout the month of November, except portions of the northern counties.





Summary of Impacts

December 4, 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

- There are no known impacts at this time

Fire Hazard Impacts

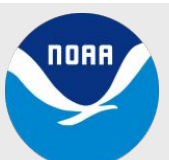
- Dry conditions lead to occasional elevated fire conditions

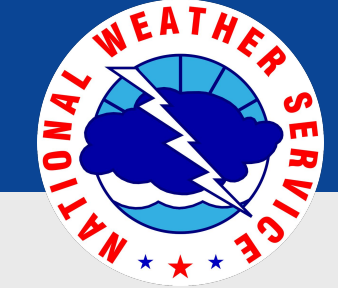
Other Impacts

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

Mitigation Actions

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

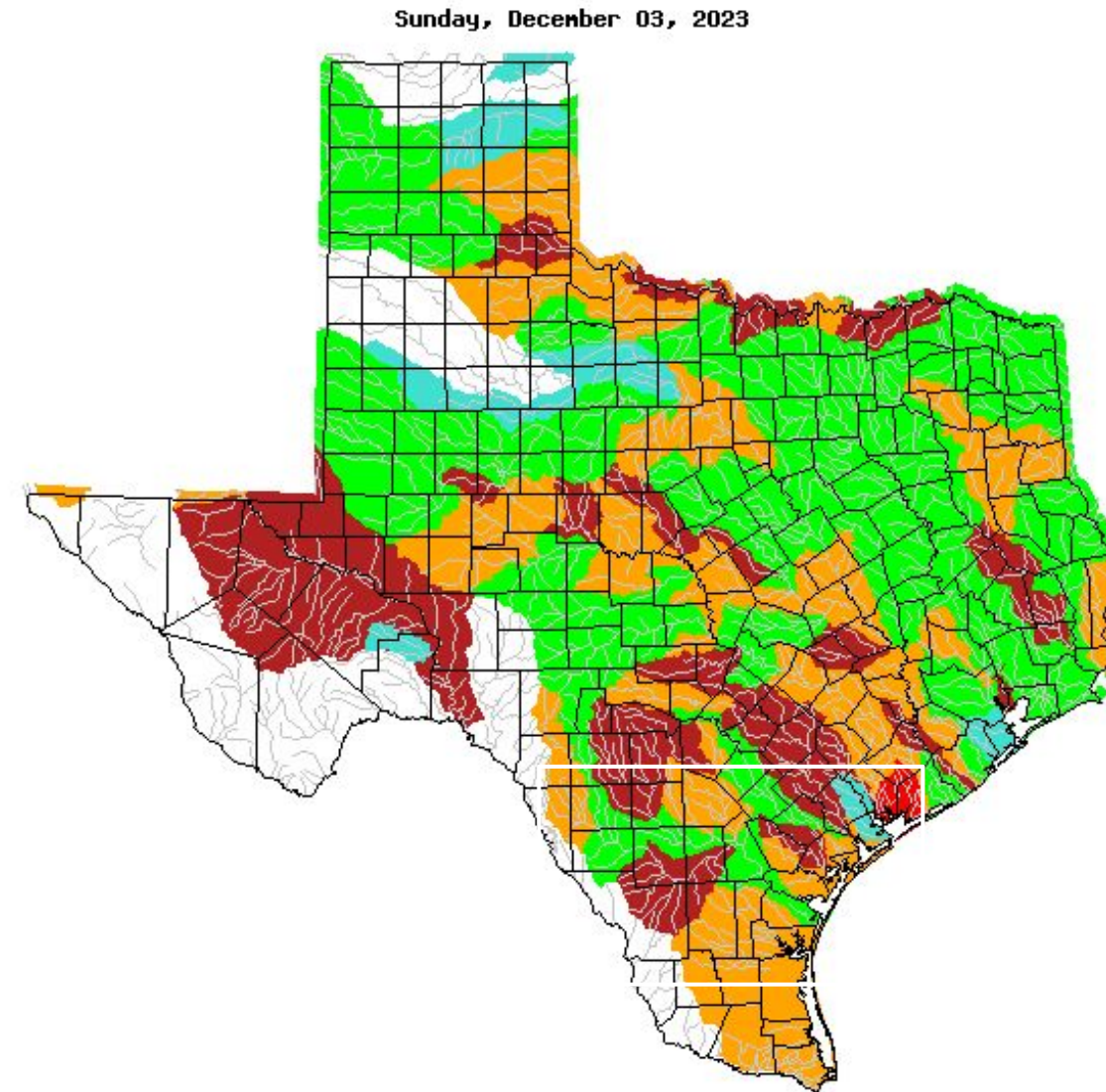




Hydrologic Conditions and Impacts

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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 | 192.9 |
| Lake Corpus Christi | 94.0 | 86.4 |
| Lake Texana | 44.0 | 39.4 |
| Coleta Creek | 98.0 | 94.8 |
| Canyon Lake | 909.0 | 888.4 |
| Lake Amistad | 1117.0 | 1061.8 |





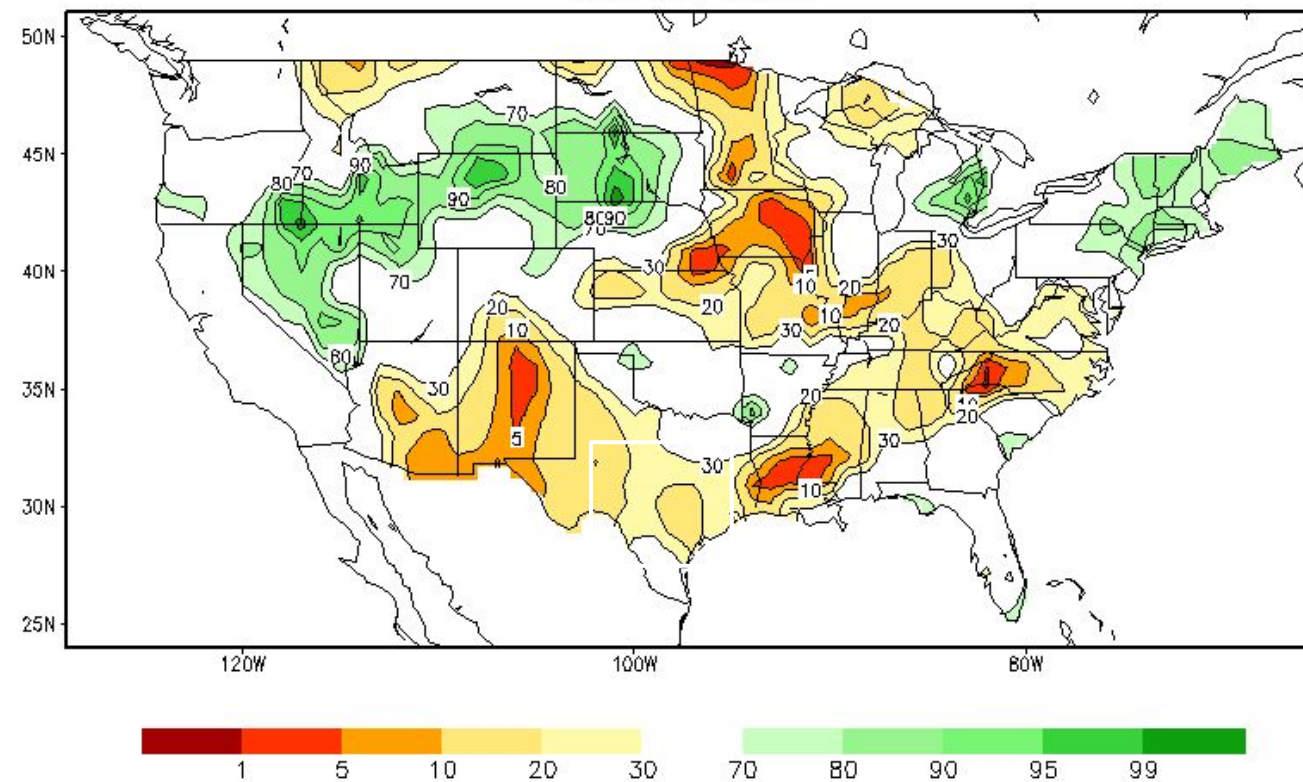
Agricultural Impacts

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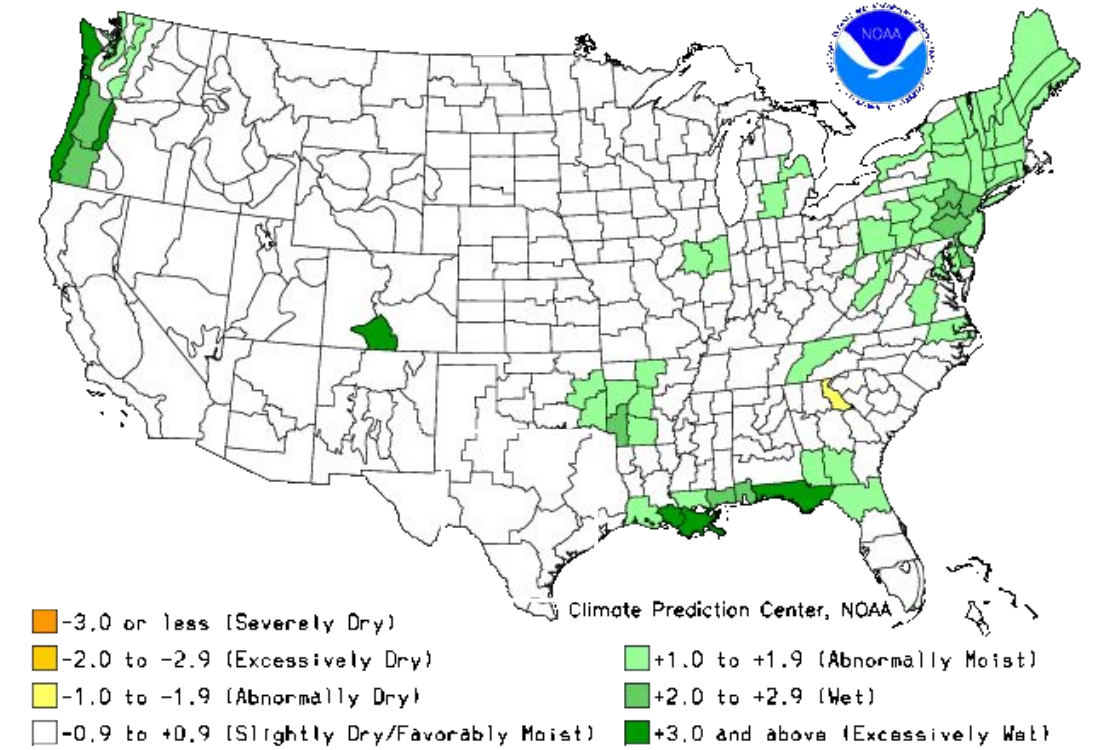
[Soil Moisture Ranking Percentile](#) | [Crop Moisture Index by Division](#)

- Below normal soil moisture conditions are in place across South Texas. The driest can be found generally east of Highway 281.
- Slightly dry crop moisture across South Texas and most of the state.

Calculated Soil Moisture Ranking Percentile
DEC 03, 2023



Crop Moisture Index by Division
Weekly Value for Period Ending DEC 2, 2023
Short Term Need vs. Available Water in a Shallow Soil Profile



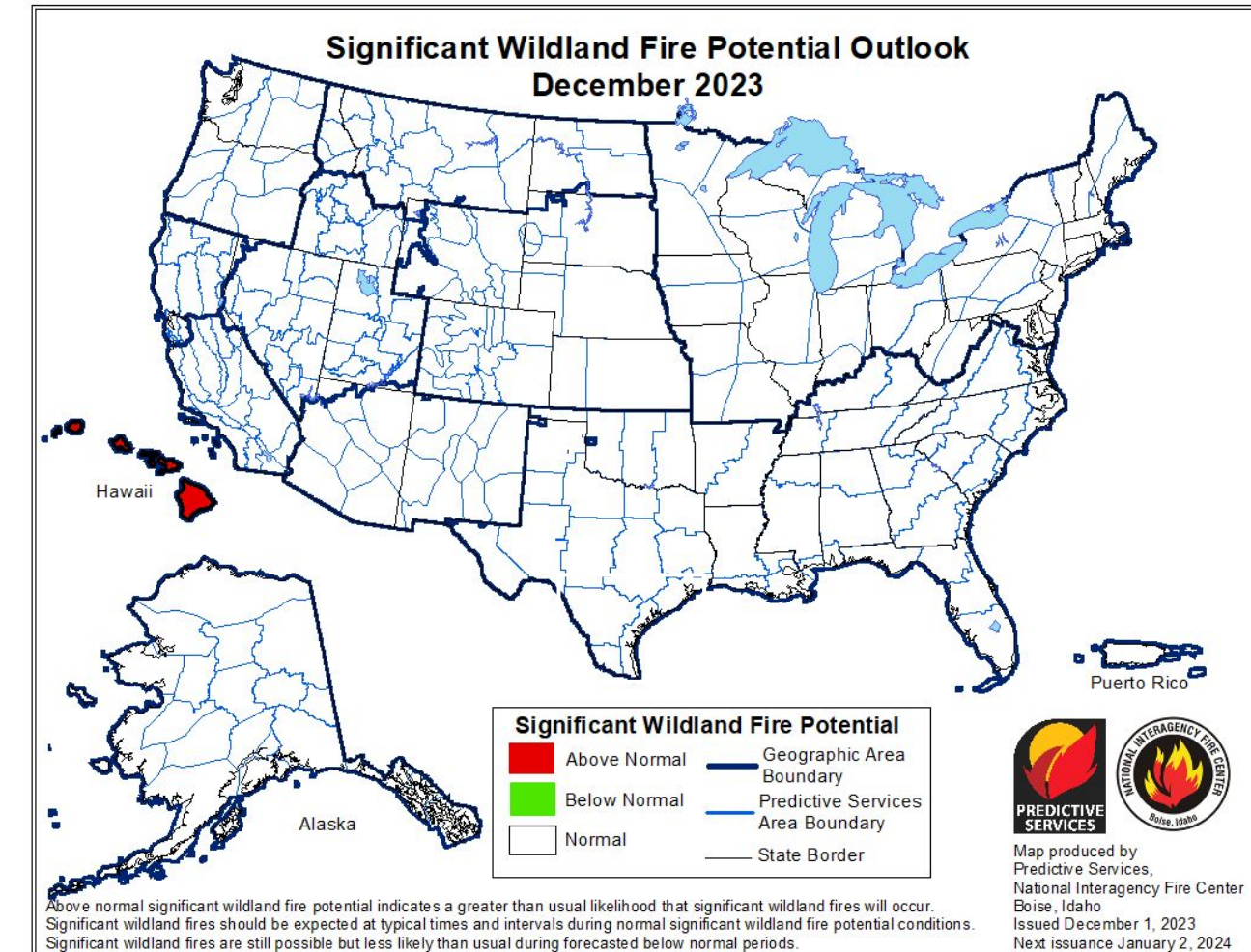
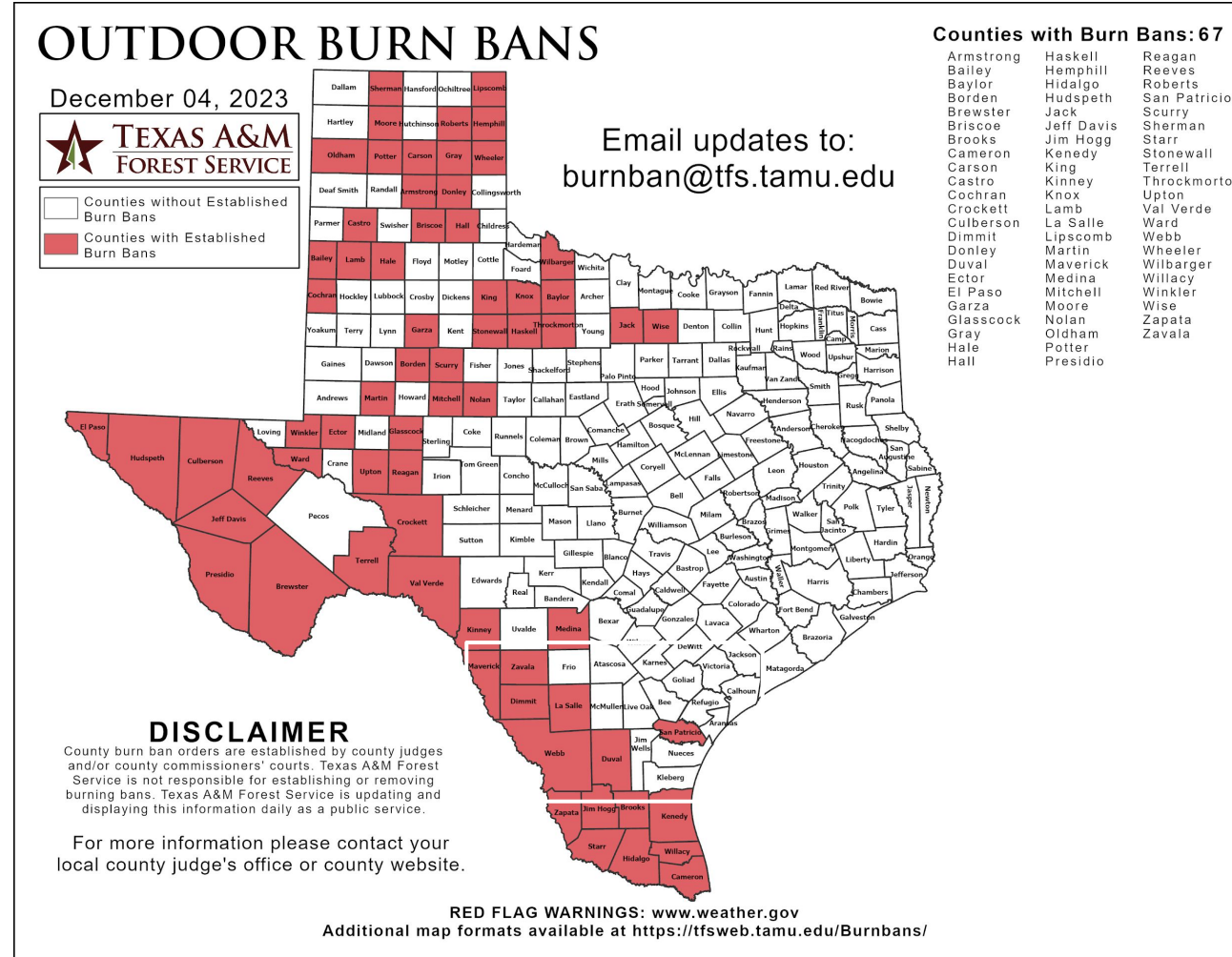


Fire Hazard Impacts

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Link to [Wildfire Potential Outlooks from the National Interagency Coordination Center](#). | [TX Map Outdoor Burn Ban](#)

- Burn Bans in place for Webb, La Salle, Duval, and San Patricio counties
- Normal significant wildfire potential through December



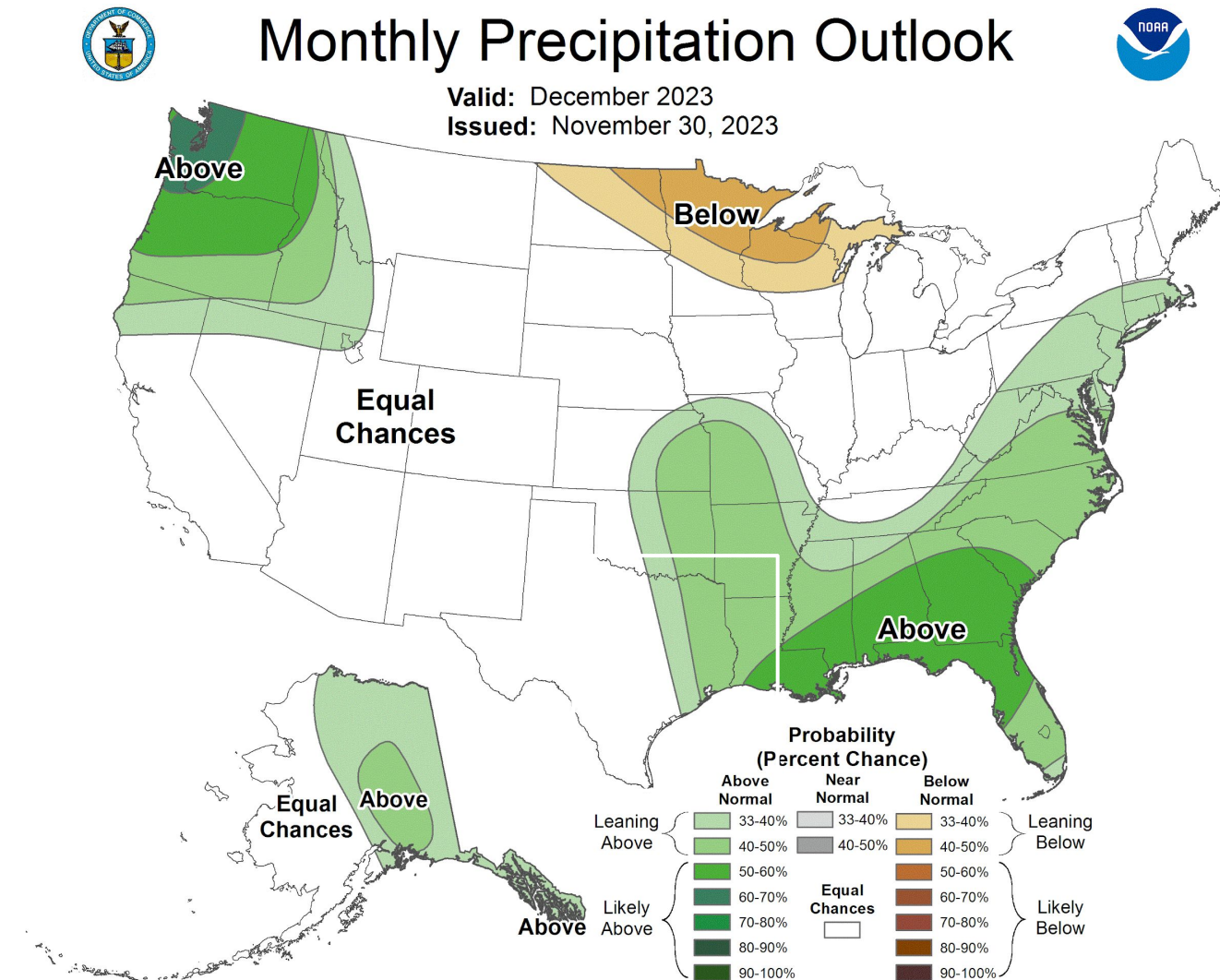
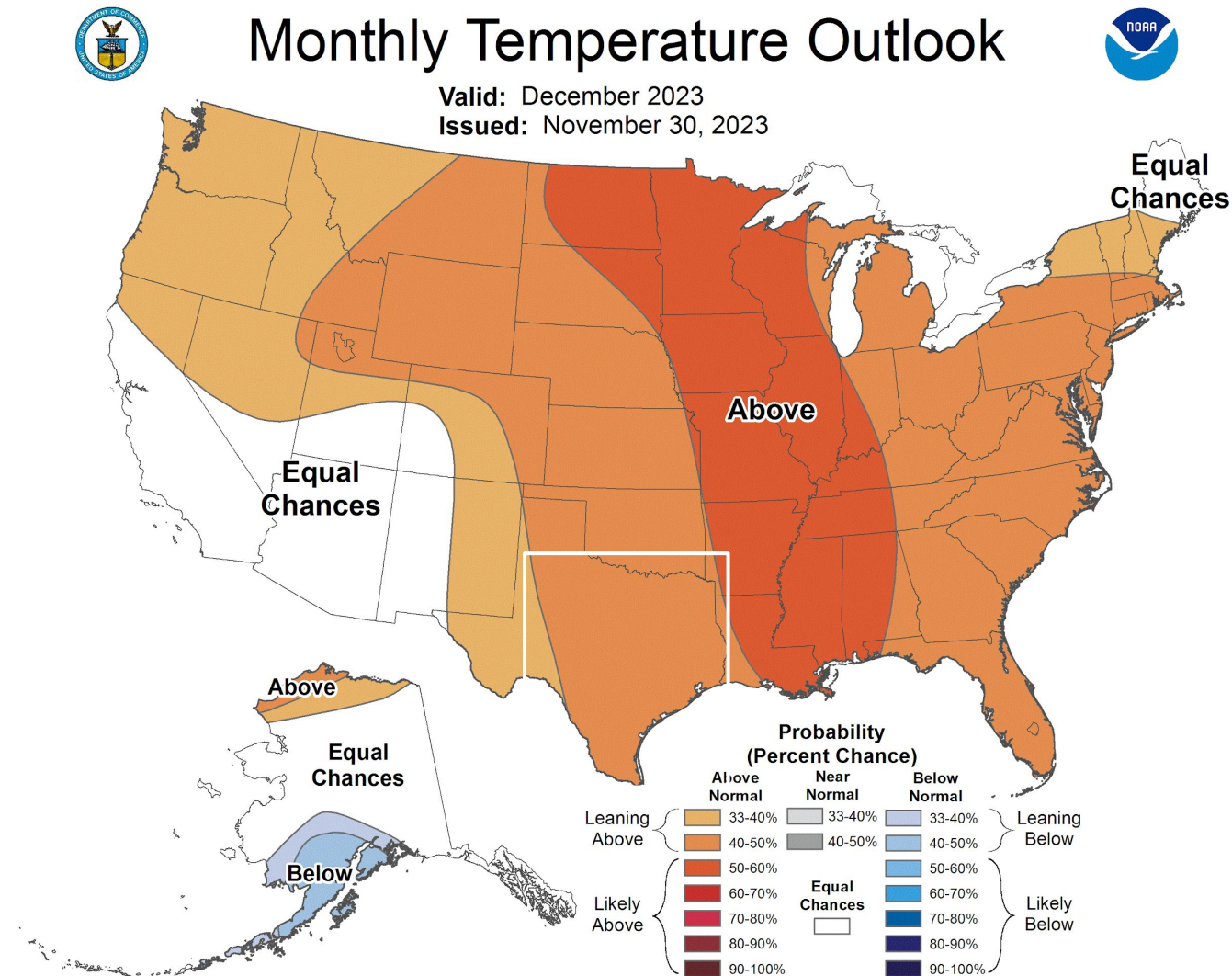


Long-Range Outlooks

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

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





Drought Outlook

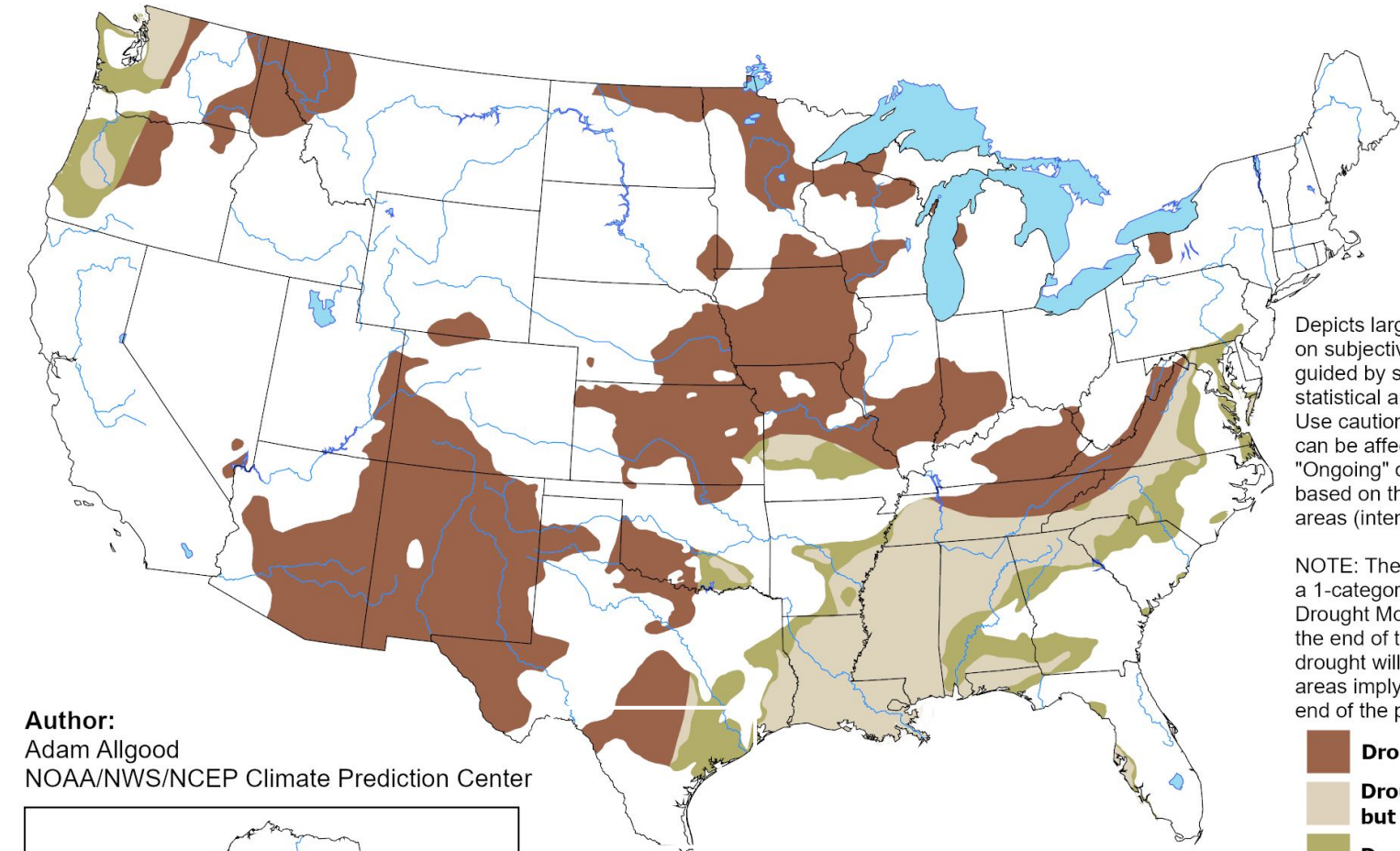
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The latest monthly and seasonal outlooks can be found on the [CPC homepage](#)

- Drought conditions are expected to persist across western portions of the region.
- Drought removal likely for eastern portions of South Texas.

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

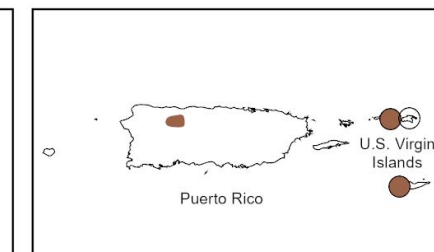
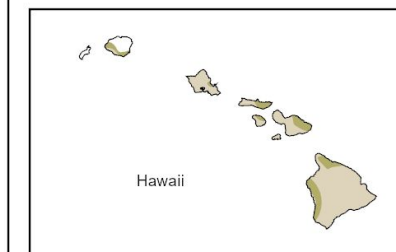
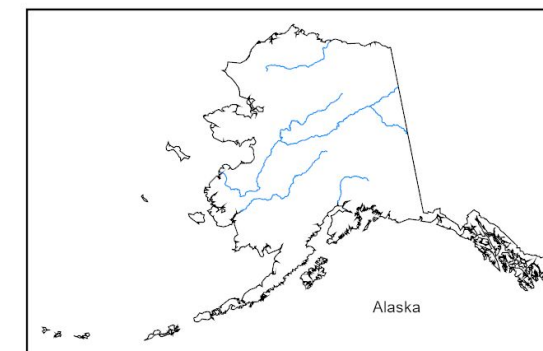
Valid for December 2023
Released November 30, 2023



Depicts large-scale trends based on subjectively derived probabilities guided by short- and long-range statistical and dynamical forecasts. Use caution for applications that can be affected by short lived events. "Ongoing" drought areas are based on the U.S. Drought Monitor areas (intensities of D1 to D4).

NOTE: The tan areas imply at least a 1-category improvement in the Drought Monitor intensity levels by the end of the period, although drought will remain. The green areas imply drought removal by the end of the period (D0 or none).

Author:
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NOAA/NWS/NCEP Climate Prediction Center



- Drought persists
- Drought remains, but improves
- Drought removal likely
- Drought development likely
- No drought



<https://go.usa.gov/3eZGd>

