



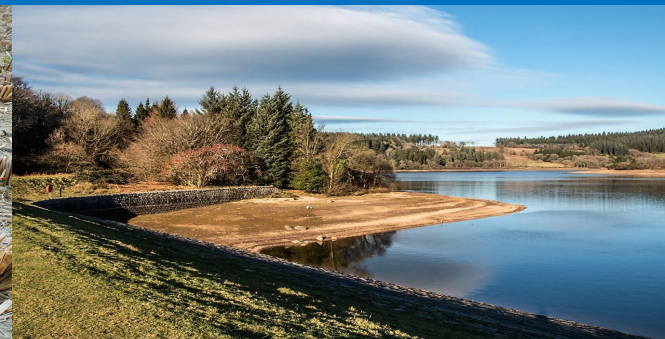
# Drought Information Statement for southeast MS, southwest AL, and the western FL Panhandle

Valid 09/14/2023

Issued By: WFO Mobile/Pensacola

Contact Information:

- This product will be updated Sep. 21, 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/mob/DroughtInformationStatement> for previous statements.



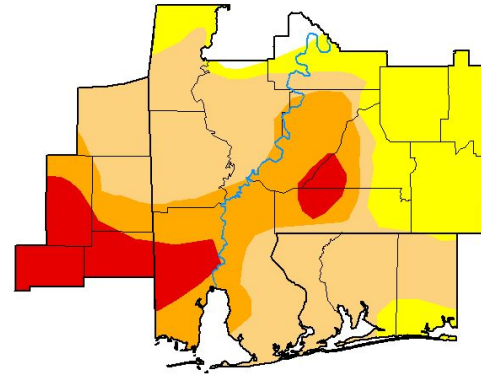


# U.S. Drought Monitor

Link to the [latest U.S. Drought Monitor](#) for the SE US and central Gulf Coast

- Extreme Drought across portions of Interior Southeast Mississippi Expands Eastward into Portions of Coastal Southwest Alabama.
- Moderate to Severe Drought Holds Firm across much of the Remainder of the Area Mainly Along and southwest of a Butler Alabama to Crestview Florida Line.
- Drought intensity and Extent
  - D3 (Extreme Drought): Much of the southern third of interior southeast MS into central Mobile Co. Northwest Escambia and southwest Conecuh Co's in Alabama.
  - D2 (Severe Drought): Extends east and northeastward to east of the Lower Alabama River Basin.
  - D1 (Moderate Drought): Elsewhere for much of the remainder of the local area.

## U.S. Drought Monitor Mobile, AL/ Pensacola, FL WFO



**September 12, 2023**  
(Released Thursday, Sep. 14, 2023)  
Valid 8 a.m. EDT

Drought Conditions (Percent Area)

|                                      | None   | D0-D4 | D1-D4 | D2-D4 | D3-D4 | D4   |
|--------------------------------------|--------|-------|-------|-------|-------|------|
| Current                              | 1.19   | 98.81 | 74.00 | 32.18 | 12.31 | 0.00 |
| Last Week<br>09-05-2023              | 15.23  | 84.77 | 59.55 | 20.66 | 1.86  | 0.00 |
| 3 Months Ago<br>06-13-2023           | 100.00 | 0.00  | 0.00  | 0.00  | 0.00  | 0.00 |
| Start of Calendar Year<br>01-01-2023 | 46.95  | 53.05 | 17.97 | 0.00  | 0.00  | 0.00 |
| Start of Water Year<br>09-27-2022    | 31.79  | 68.21 | 0.00  | 0.00  | 0.00  | 0.00 |
| One Year Ago<br>09-13-2022           | 100.00 | 0.00  | 0.00  | 0.00  | 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:  
Brad Pugh  
CPC/NOAA



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

Image Caption: U.S. Drought Monitor NWS Mobile/Pensacola Forecast Area valid 8am EDT September 12th.





# Recent Change in Drought Intensity

Link to the latest [1-week change map](#) for the SE US and central Gulf Coast

- One Week Drought Monitor Class Change.
  - Drought Worsened: Over southern MS and eastward over much of the interior of southwest AL. Drought has also worsened over portions of the northwest Florida Panhandle Gulf coast.

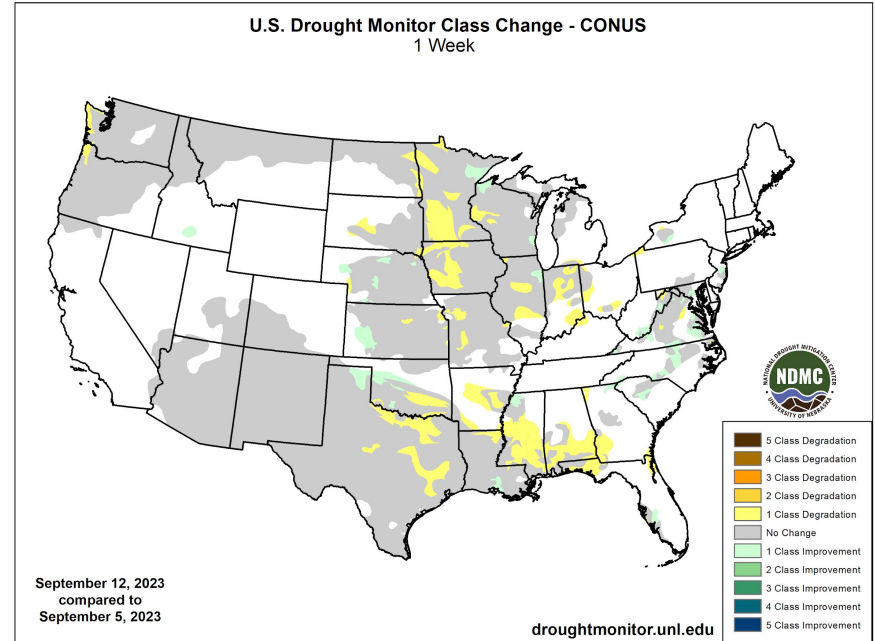


Image Caption: U.S. Drought Monitor 1-week change map valid 8am EDT September 12th.



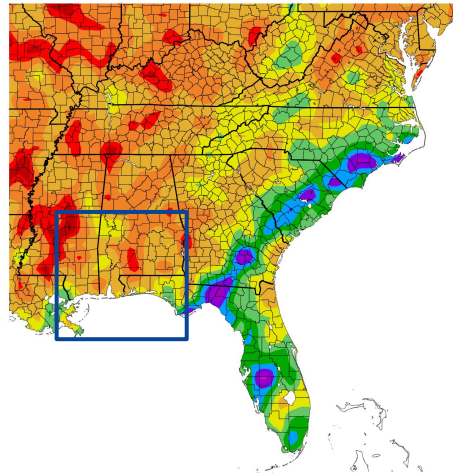


# Precipitation

## Table of Accumulated Rainfall (Inches) from Select Locations - August 1st to September 13th, 2023

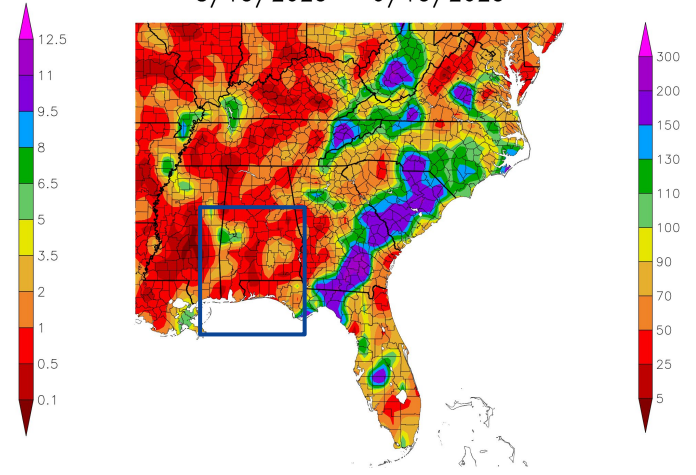
| Station                    | Observed | Normal | Departure |
|----------------------------|----------|--------|-----------|
| Brewton AL 3NNE (COOP)     | 1.16     | 9.55   | -8.39     |
| Atmore AL (COOP)           | 1.21     | 7.89   | -6.68     |
| Dauphin Island AL (COOP)   | 2.03     | 8.62   | -6.59     |
| Niceville FL (COOP)        | 5.96     | 12.22  | -6.26     |
| Beaumont MS (COOP)         | 1.16     | 7.40   | -6.24     |
| Fairhope AL 2NE (COOP)     | 4.33     | 10.21  | -5.88     |
| Pensacola FL (ASOS)        | 4.62     | 10.41  | -5.79     |
| Evergreen AL (ASOS)        | 1.63     | 7.34   | -5.71     |
| Mobile AL (ASOS)           | 3.96     | 9.25   | -5.29     |
| Pensacola FL 7NNE (COOP)   | 4.32     | 9.43   | -5.11     |
| Crestview FL (ASOS)        | 4.01     | 8.72   | -4.71     |
| Downtown Mobile AL (ASOS)  | 4.71     | 9.27   | -4.56     |
| Bay Minette AL (COOP)      | 6.05     | 10.29  | -4.24     |
| Leakesville MS 6WSW (COOP) | 3.50     | 7.28   | -3.78     |
| Waynesboro MS 2W (COOP)    | 2.95     | 6.44   | -3.49     |

Precipitation (in)  
8/15/2023 – 9/13/2023



Generated 9/14/2023 at HPRCC using provisional data.

Percent of Normal Precipitation (%)  
8/15/2023 – 9/13/2023



NOAA Regional Climate Centers 23 at HPRCC using provisional data.

NOAA Regional Climate Centers

Image Captions:  
Left - The box inset shows the central Gulf Coast region at mostly 1 to 5 inches.  
Right - The box inset shows the much of the Central Gulf Coast 5 to 50% of Normal.

Data Courtesy High Plains Regional Climate Center.  
Data over the past 30 days ending September 13, 2023



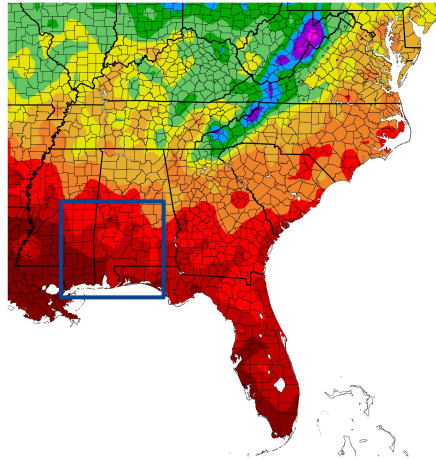




# Temperature

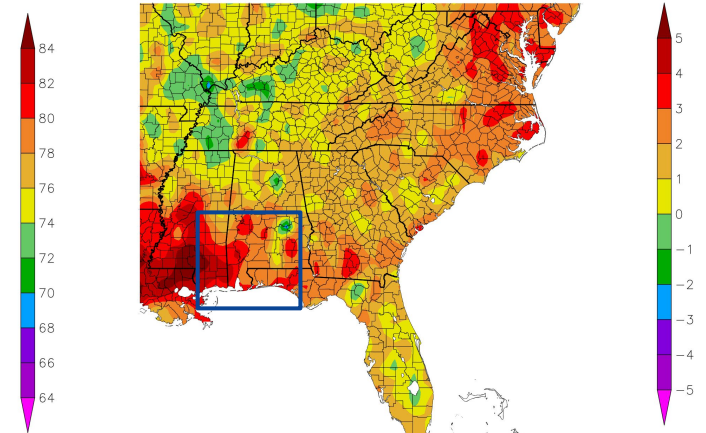
- With persistent dryness comes above normal heat with past 30 days average temperatures coming in well above normal.
- Of note, some areas mainly along the lower Alabama, and Tombigbee waterways and westward into southeast MS have seen average temperatures 4 to 6° above normal.

Temperature (F)  
8/15/2023 – 9/13/2023



Generated 9/14/2023 at HPRCC using provisional data.

Departure from Normal Temperature (F)  
8/15/2023 – 9/13/2023



NOAA Regional Climate Centers <sup>023</sup> at HPRCC using provisional data.

NOAA Regional Climate Centers

### Image Captions:

Left - The inset box shows the Central Gulf Coast Mostly well into the 80's for average temperatures

Right - The box shows the Central Gulf Coast Mostly 4 to 6° above normal

Data Courtesy High Plains Regional Climate Center.

Data over the past 30 days ending September 13, 2023





# Summary of Impacts

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

## Hydrologic Impacts

- Many local streams and rivers over the past week have shown a degradation in stages and flow. Low water and stream flow can lead to a potential increase in hazardous impacts on safe navigation of recreational boating and commercial waterway needs.

## Agricultural Impacts

- Crop condition in the driest of areas is very poor and pasture lands provide little to no livestock feed. Supplemental feeding is required to maintain livestock condition.

## Fire Hazard Impacts

- The risk of wildfire remains above normal over southeast Mississippi and southwest Alabama.

## Societal Impacts

- Increase in air-borne allergens likely to create problems for respiratory sensitive groups.

## Mitigation Actions

- Water conservation techniques are strongly encouraged in drought areas. Please refer to your municipality and/or water provider for mitigation information. Local water restriction ordinances may be in place.





# Hydrologic Conditions and Impacts

Select River/Stream Points at Below Normal Levels - Valid 8AM September 14th, 2023

| River/Stream Point                       | Discharge(cfs) | Stage(ft) | %Class, Rating        |
|--|----------------|-----------|-----------------------|
| Cyprus Creek near Janice MS              | 7.39           | 5.64      | 14, Below Normal      |
| Red Creek at Vestry MS                   | 143            | 4.21      | 10, Much Below Normal |
| Big Creek at Co. Rd 63 near Wilmer AL    | 15.1           | 1.54      | 7, Much Below Normal  |
| Chickasaw Creek near Kushla AL           | 42.9           | 2.72      | 4, Much Below Normal  |
| Fish River Near Silver Hill AL           | 60.2           | 1.04      | 21, Below Normal      |
| Styx River near Elsanor AL               | 120            | 1.72      | 3, Much Below Normal  |
| Blackwater River near Bradley AL         | 30.2           | 0.76      | 7, Much Below Normal  |
| Eleven Mile Creek near West Pensacola FL | 35.3           | 5.08      | 17, Below Normal      |
| Perdido River at Barrineau Park FL       | 233            | 1.3       | 4, Much Below Normal  |
| Shoal River near Crestview FL            | 309            | 2.51      | 3, Much Below Normal  |
| Yellow River at Milligan FL              | 259            | 0.7       | 15, Below Normal      |

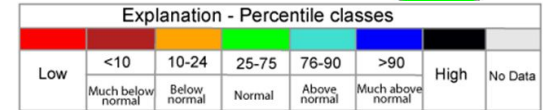
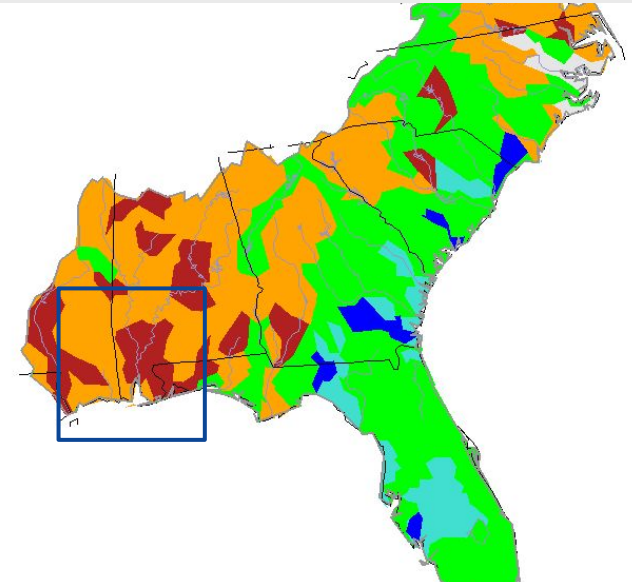


Image Caption: USGS 7 day average streamflow HUC map valid 09/14/2023. Box Inset - Central Gulf Coast is seeing stream flows below to much below normal.

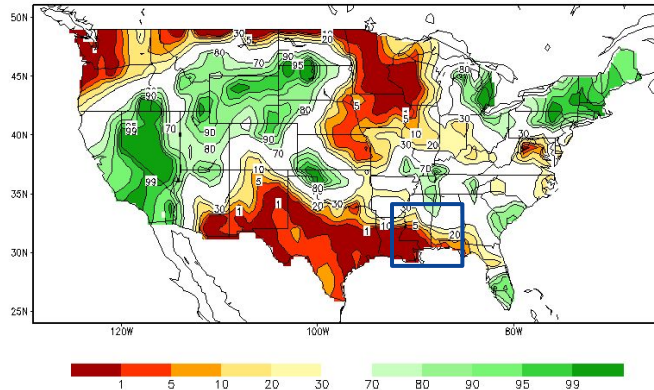




# Agricultural Impacts

- Crop condition in the driest of areas is very poor. Crop disease elevated. Pasture lands provide little to no livestock feed. Supplemental feeding is required to maintain livestock condition.
- Note: The following Statewide Soil Moisture Deficiency % (% Change from Previous Week) is from September 7th:  
 Topsoil:  
 MS- 66 (+2), AL- 50 (0), FL-18 (-15)  
 Subsoil:  
 MS- 64 (+3), AL- 39 (0), FL- 24 (-9)

Calculated Soil Moisture Ranking Percentile  
SEP 12, 2023



Crop Moisture Index by Division  
Weekly Value for Period Ending SEP 9, 2023  
Short Term Need vs. Available Water in a Shallow Soil Profile

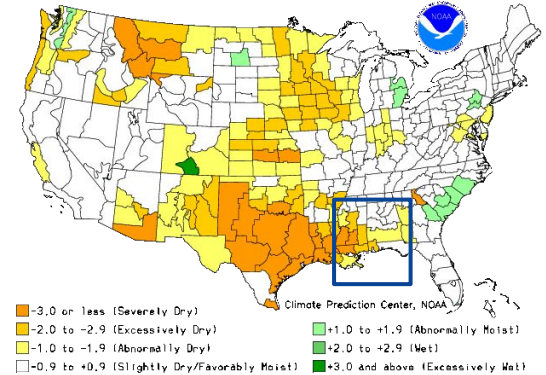


Image Captions:

Left: CPC Calculated [Soil Moisture Ranking Percentile](#) valid September 12, 2023

Right: [Crop Moisture Index by Division](#). Weekly value for period ending Sep 9, 2023







# Fire Hazard Impacts

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

- Decayed timber and very dry underbrush in area forests along with dry grasslands pose an above normal risk for significant wildfire potential over southeast Mississippi and southwest Alabama.

Latest Burn Bans and/or Advisories By State:

[Mississippi](#)

[Alabama](#)

[Florida](#)

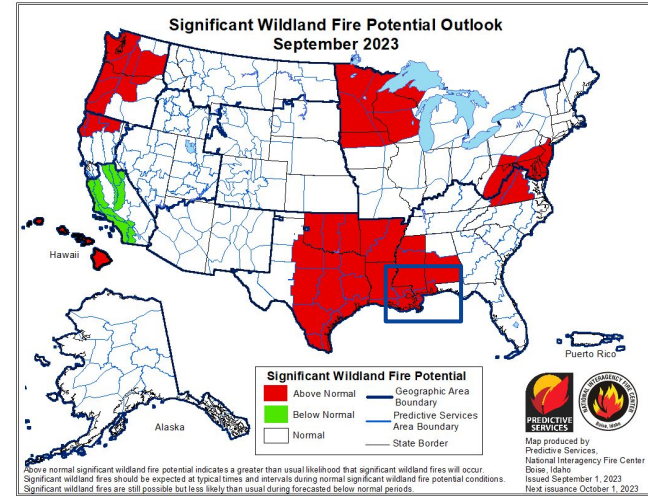


Image Caption: [Significant Wildland Fire Potential Monthly Outlook](#) for September 2023





# Seven Day Precipitation Forecast

- Much needed rainfall over the central Gulf coast appears to be in short supply through next week.
- The potential is there for an instance of locally heavy downpours with the passage of isolated to scattered storms.
- Basin average rain amounts though look low at mostly less than one inch over the southern half and less than a half inch over the northern half of the forecast area through the period.

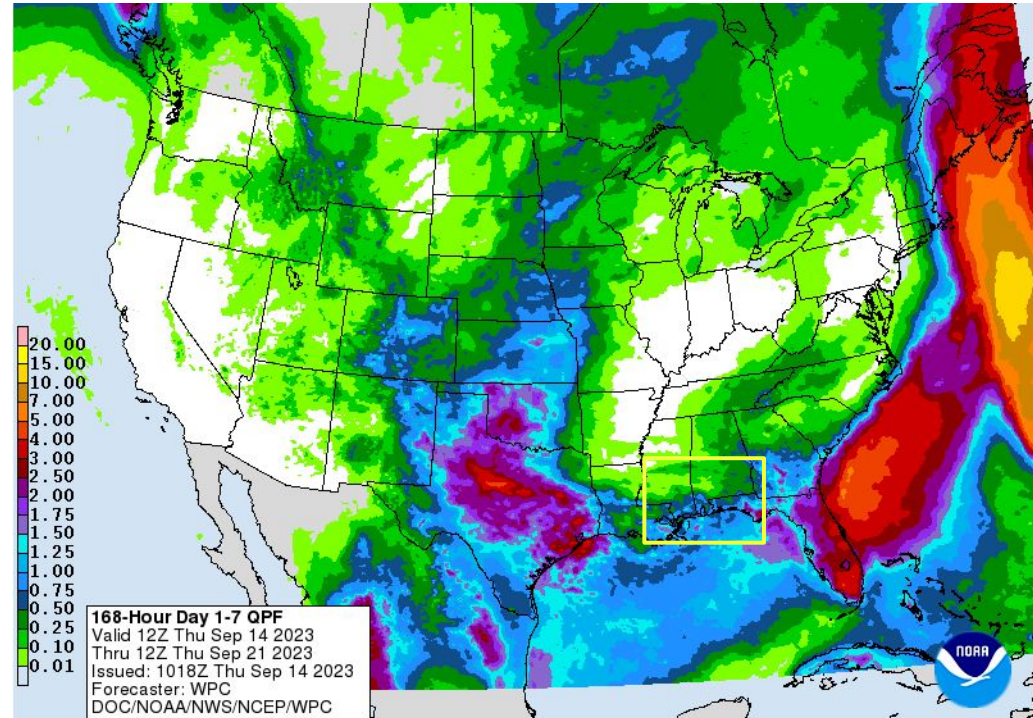


Image Caption: Weather Prediction Center [7-day precipitation forecast](#) valid Thursday September 14 to Thursday September 21, 2023. Central Gulf Coast mostly less than a quarter inch.





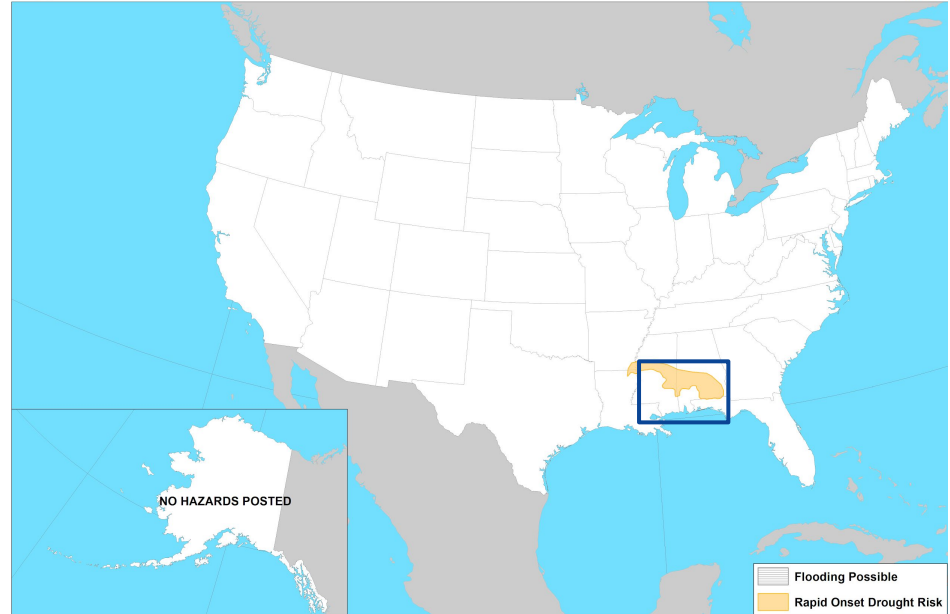
# Rapid Onset Drought Outlook

Links to the latest Climate Prediction Center 8 to 14 day [Temperature Outlook](#) and [Precipitation Outlook](#).

- A narrow strip of rapid onset drought is outlooked through the close of September from central Mississippi and perhaps over the interior of southwest Alabama.



Day 8-14 U.S. Hazards Outlook  
Valid: 09/21/2023-09/27/2023



Climate Prediction Center  
Made: 09/13/2023 3PM EDT

Follow us:   
[www.cpc.ncep.noaa.gov](http://www.cpc.ncep.noaa.gov)

Image Caption:  
[Days 8 to 14 U.S. Hazards Outlook](#) Valid Sep. 21 to 27, 2023.





# Long-Range Outlooks

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

- Temperatures are favored to be likely above normal going through the month of September, while equal chances of above or below normal precipitation is outlooked for the central Gulf coast.

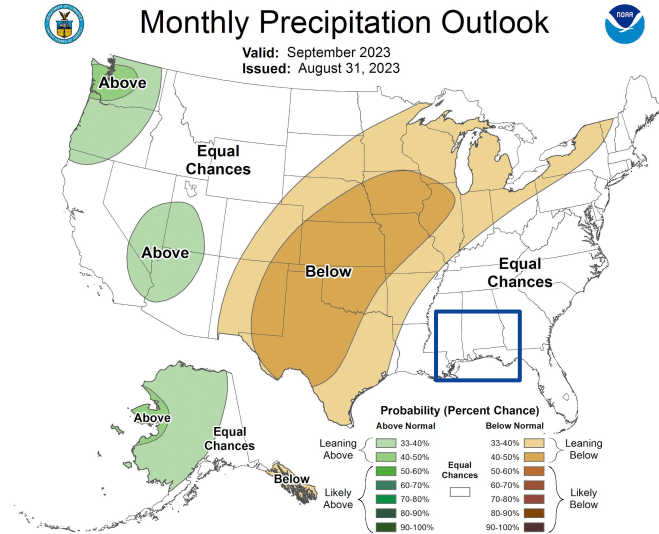
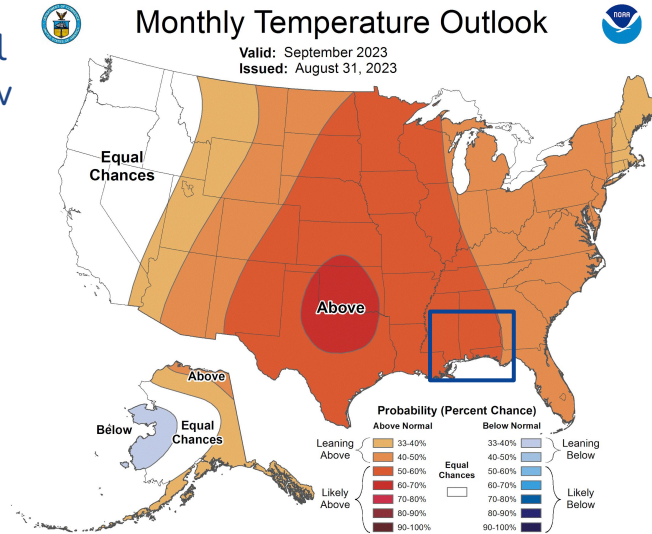


Image Captions:

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

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

Valid September 2023







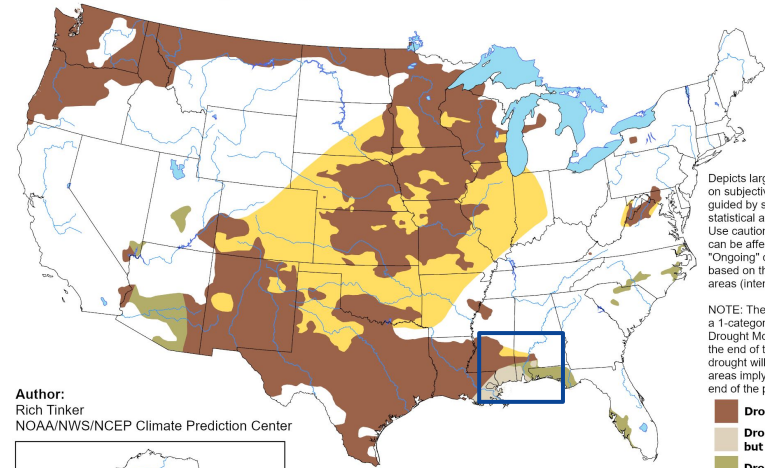
# Drought Outlook

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

- Drought is favored to hold over extreme southern Mississippi but may show some improvement in the coming weeks. To the east, indications suggest that drought removal will be likely over the western Florida Panhandle.
- Over the interior counties, potential of rapid onset drought suggests persistence of drought or worsening conditions.

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

Valid for September 2023  
Released August 31, 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).

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

Author:  
Rich Tinker  
NOAA/NWS/NCEP Climate Prediction Center

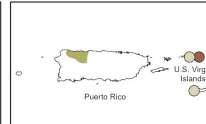
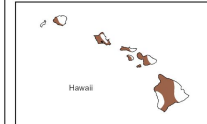


Image Caption:  
Climate Prediction Center Monthly Drought Outlook Released August 31, 2023 valid for September 2023

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