

# NWS Houston/Galveston Monthly Hydrologic Report April 2023

**Produced by: Cameron Batiste**

**Date: 05/05/2023**

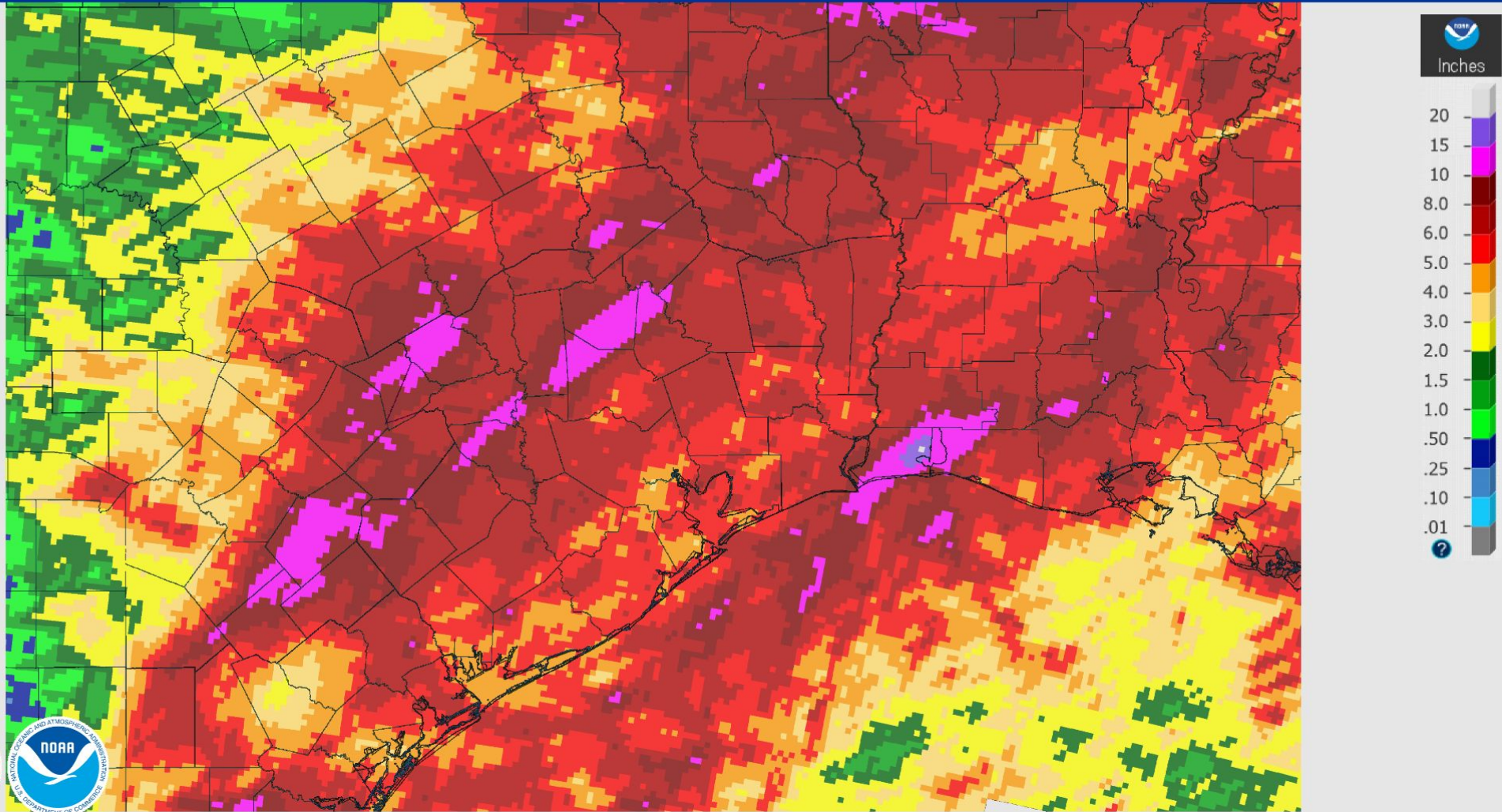
April was a particularly wet month, especially for the Brazos Valley and Piney Woods area where numerous locations received 8"+ of rainfall with some near or over 10". These rainfall totals were occurred mainly towards the beginning of the month and at the end of the month. As a result, we saw a sufficient decrease in drought throughout the month with locations around Matagorda Bay being the main drought concern going into the month of May.

# Monthly Precipitation

April 01, 2023 Monthly Observed Precipitation

Created on: May 05, 2023 - 14:07 UTC

Valid on: May 01, 2023 12:00 UTC

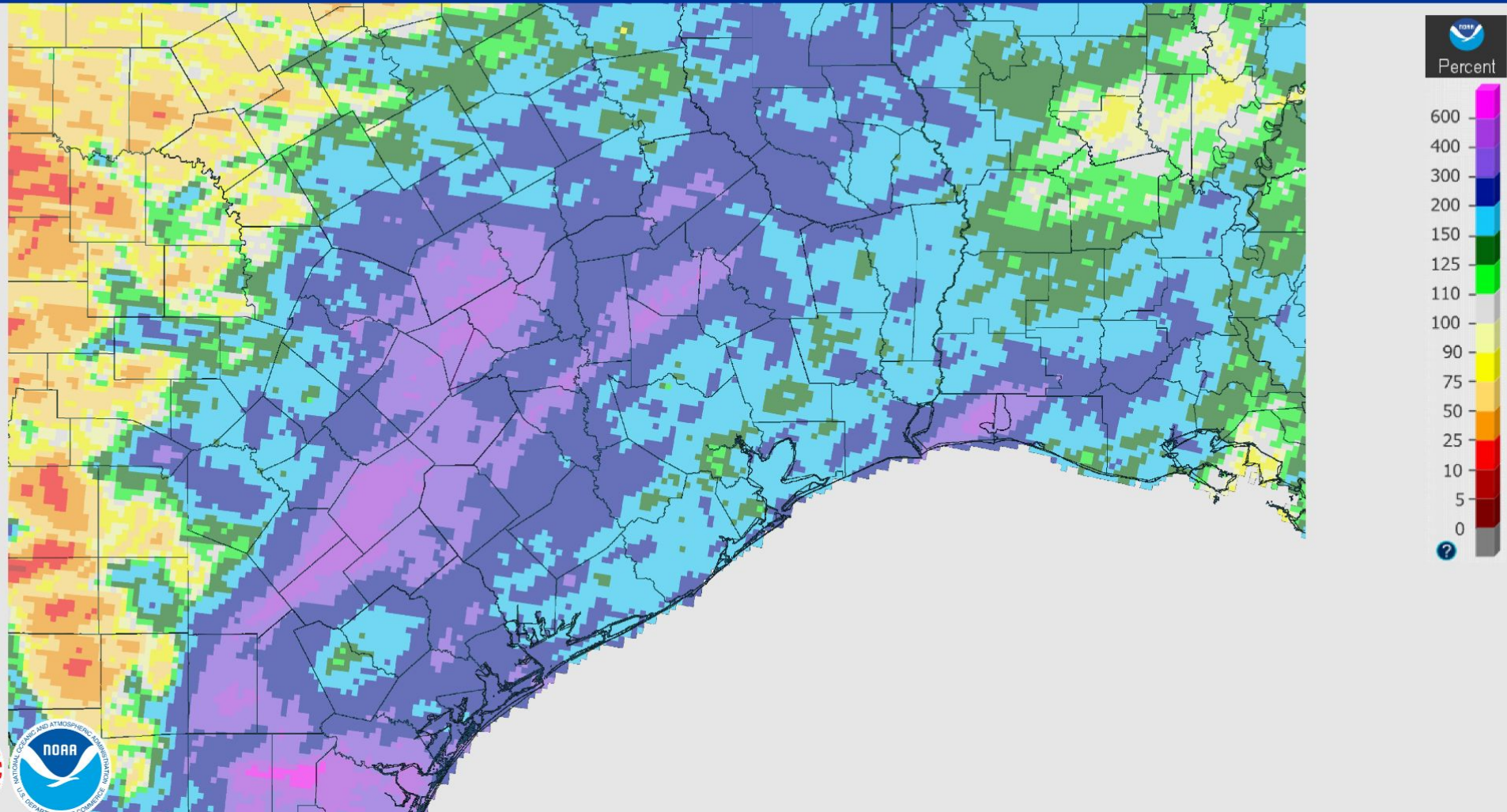


# Monthly Percent of Normal Precipitation

April 01, 2023 Monthly Percent Precipitation

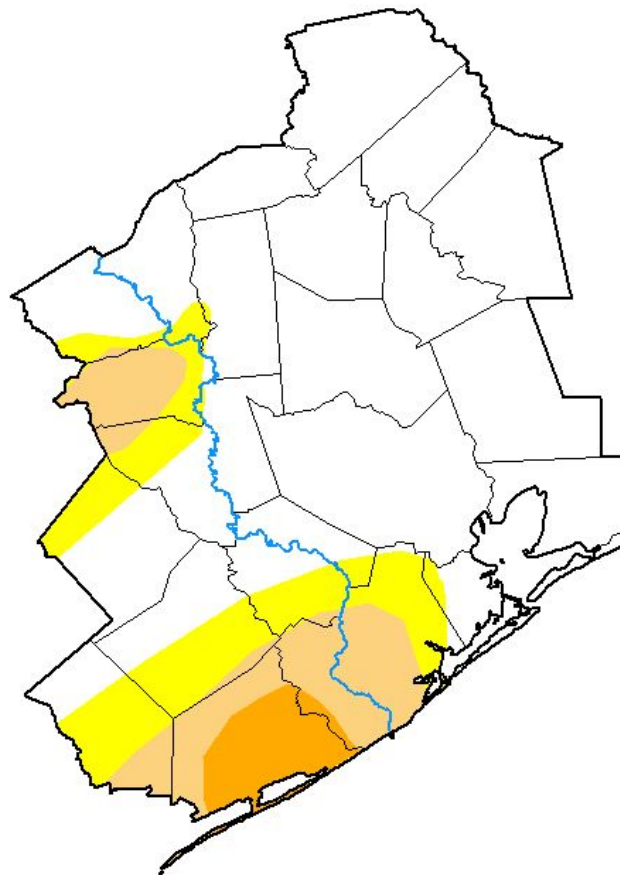
Created on: May 05, 2023 - 14:10 UTC

Valid on: May 01, 2023 12:00 UTC



# U.S. Drought Monitor

## U.S. Drought Monitor Houston/Galveston, TX WFO



**April 25, 2023**  
(Released Thursday, Apr. 27, 2023)  
Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
<b>Current</b>	72.96	27.04	14.33	3.86	0.00	0.00
<b>Last Week</b> 04-18-2023	57.29	42.71	14.38	3.86	0.00	0.00
<b>3 Months Ago</b> 01-24-2023	82.98	17.02	6.96	0.00	0.00	0.00
<b>Start of Calendar Year</b> 01-03-2023	84.11	15.89	6.96	0.00	0.00	0.00
<b>Start of Water Year</b> 09-27-2022	32.19	67.81	21.97	4.76	0.83	0.00
<b>One Year Ago</b> 04-26-2022	29.03	70.97	43.11	29.44	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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CPC/NOAA/NWS/NCEP



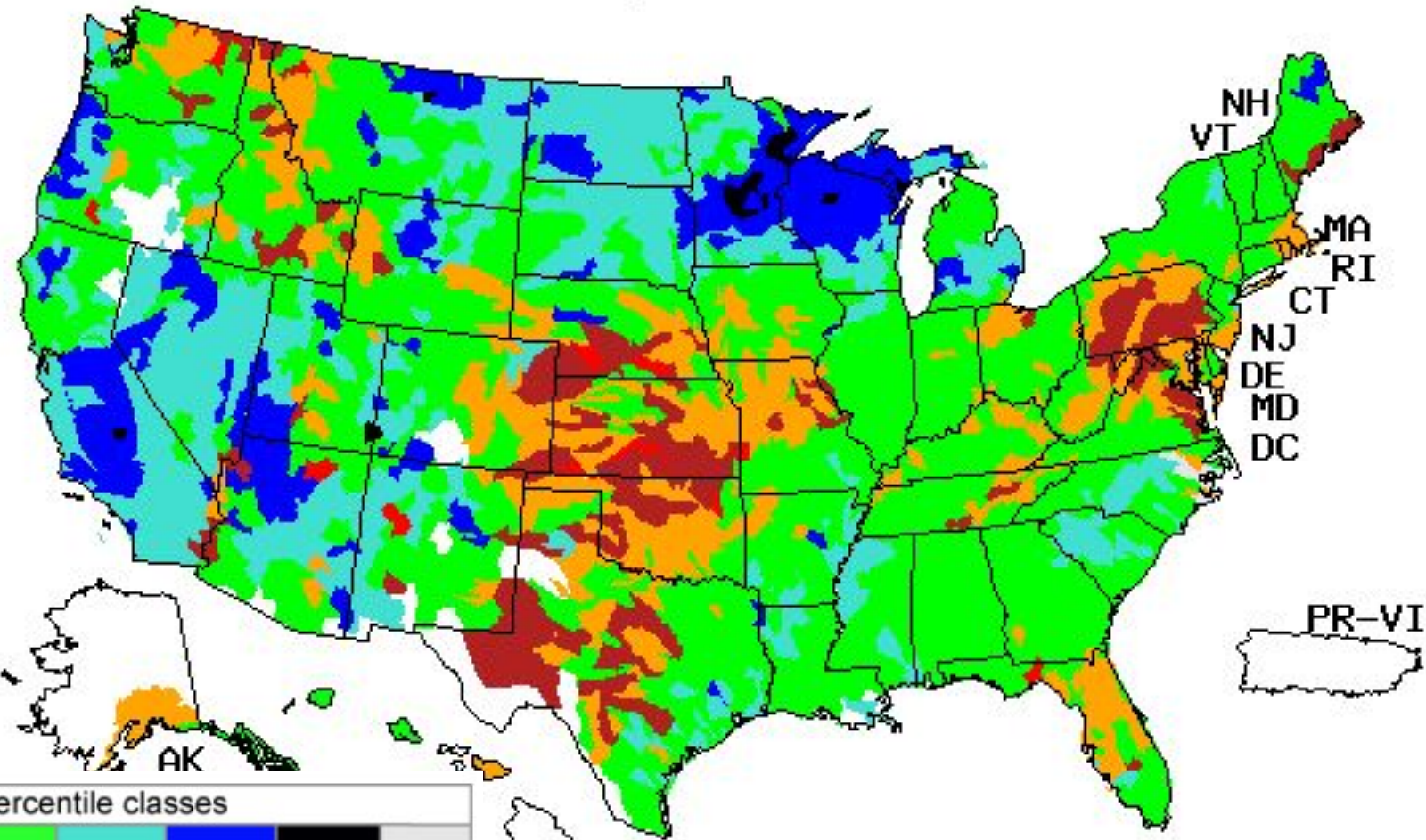
[droughtmonitor.unl.edu](https://droughtmonitor.unl.edu)

# River Flooding

River and Station	Flood Stage (feet)	Crest Stage (feet)	Crest Date
East Fork San Jacinto River near New Caney (NCET2)	58.0	63.92	Apr 10th (10:30Z)

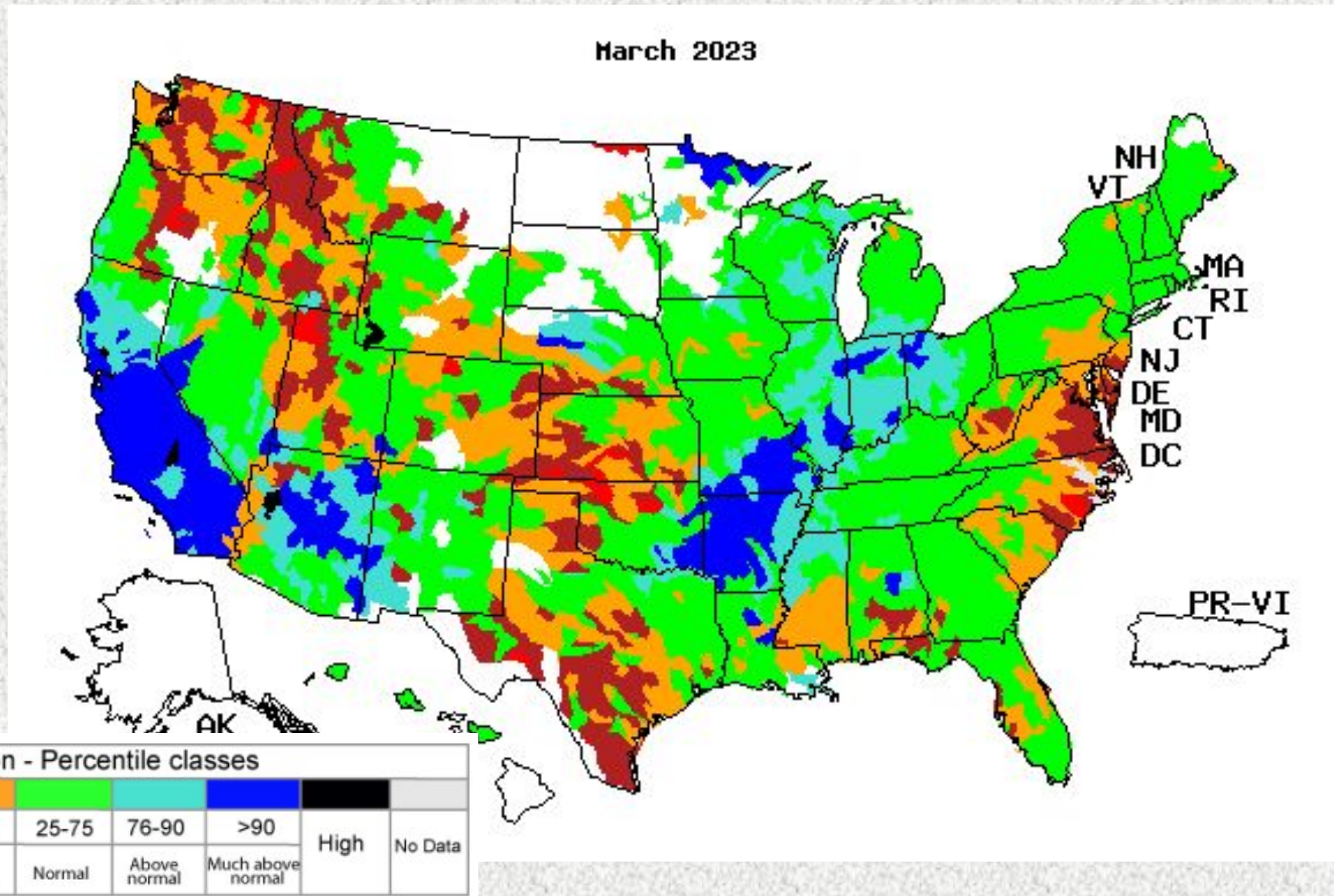
# Monthly Average Streamflow

April 2023

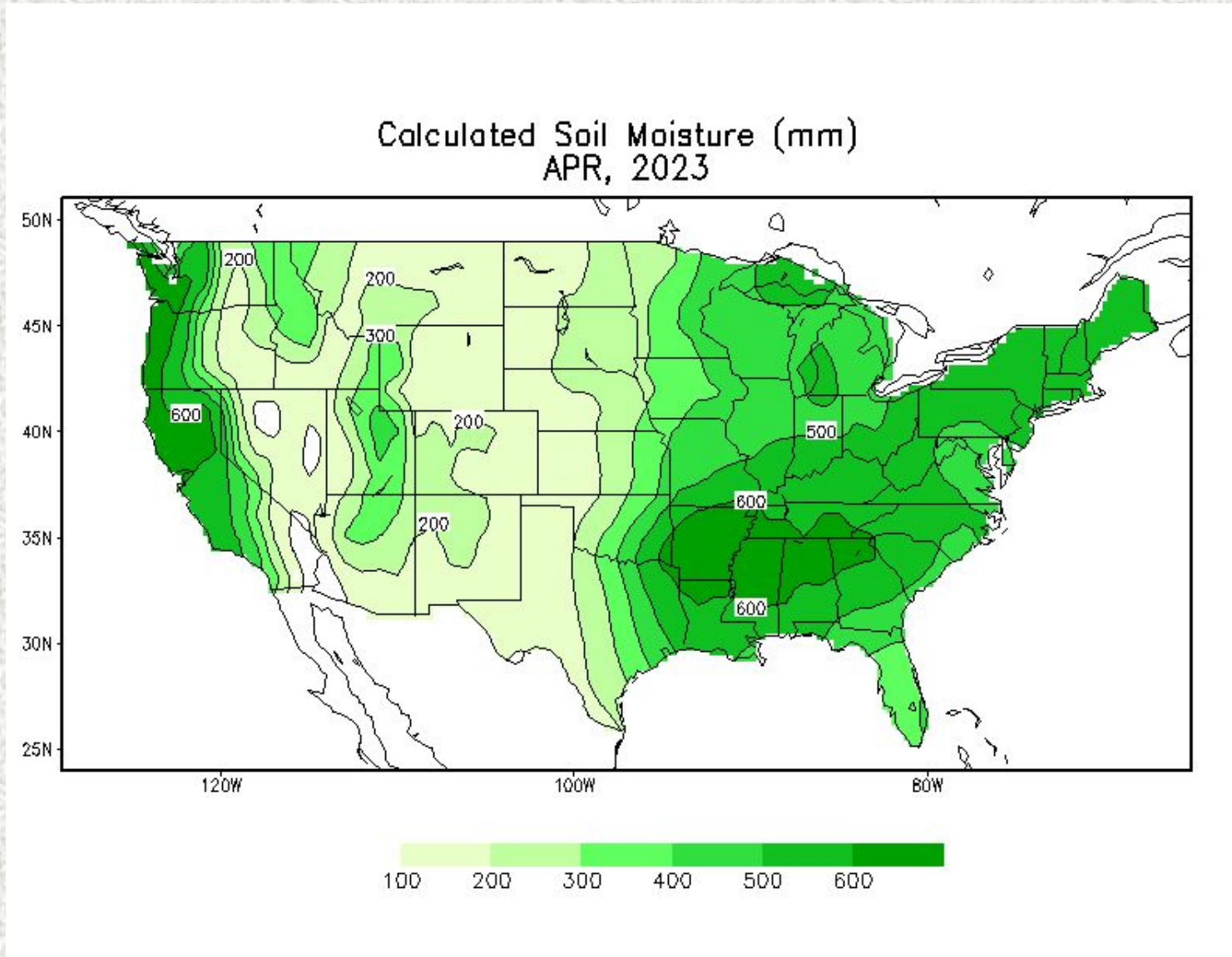


Explanation - Percentile classes							
Low	<10	10-24	25-75	76-90	>90	High	No Data
	Much below normal	Below normal	Normal	Above normal	Much above normal		

# Previous Monthly Average Streamflow

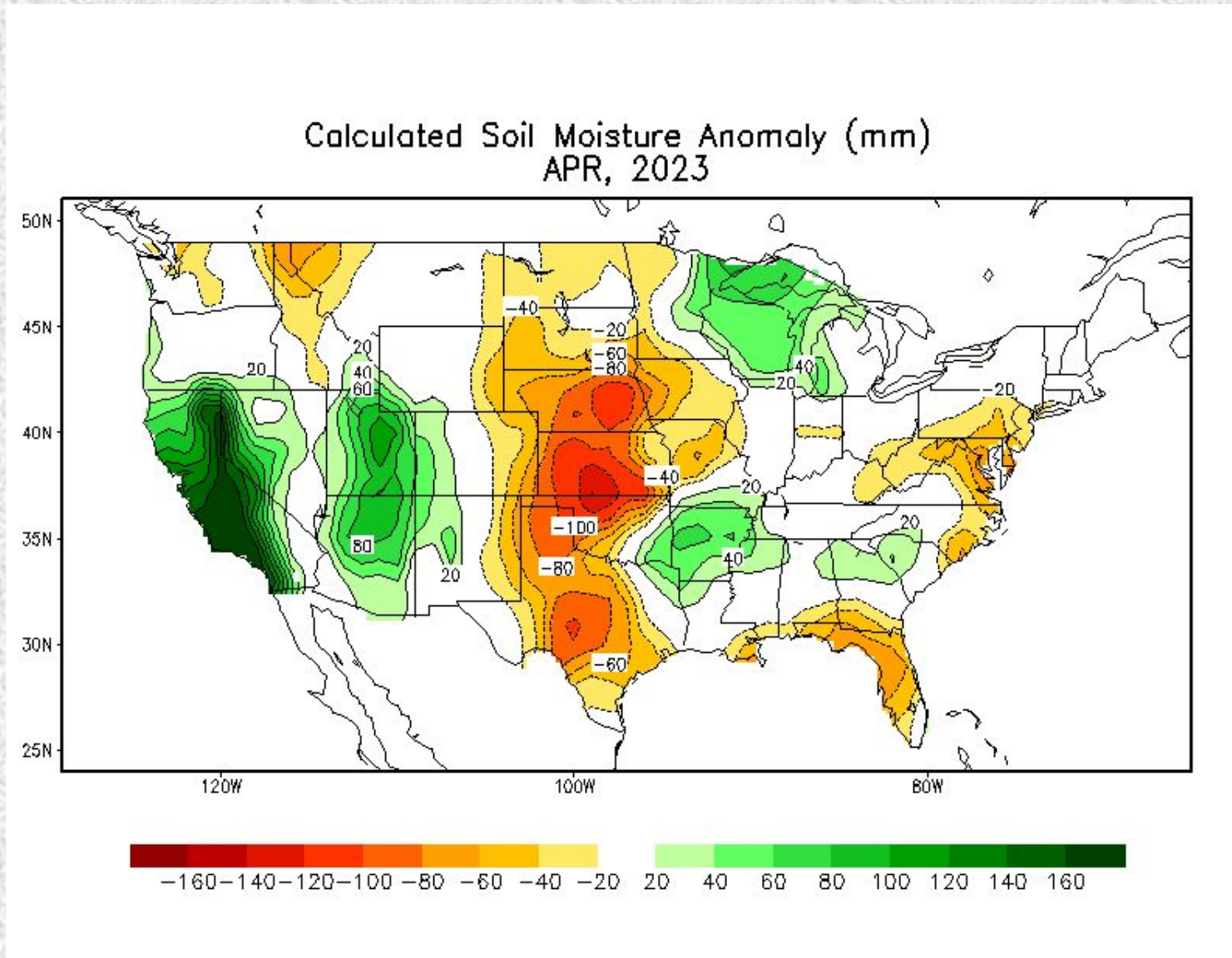


# Soil Moisture

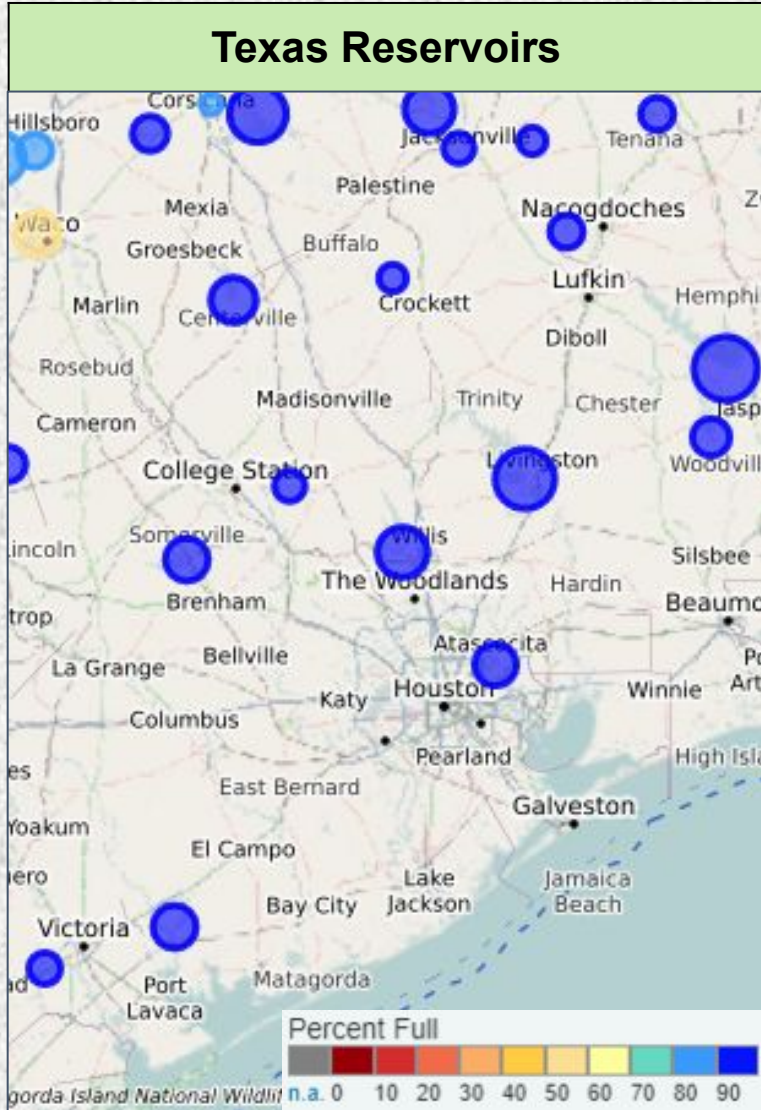




# Soil Moisture Anomaly



# Reservoir Status



Reservoir	Percent Full Conservation Storage
Houston County Lake	100.0%
Lake Livingston	100.0%
Lake Conroe	100.0%
Lake Houston	100.0%
Gibbons Creek Reservoir	90.8%
Lake Somerville	100.0%
Lake Texana	99.6%

Data added on: May 5, 2023 at 10:00 am CDT

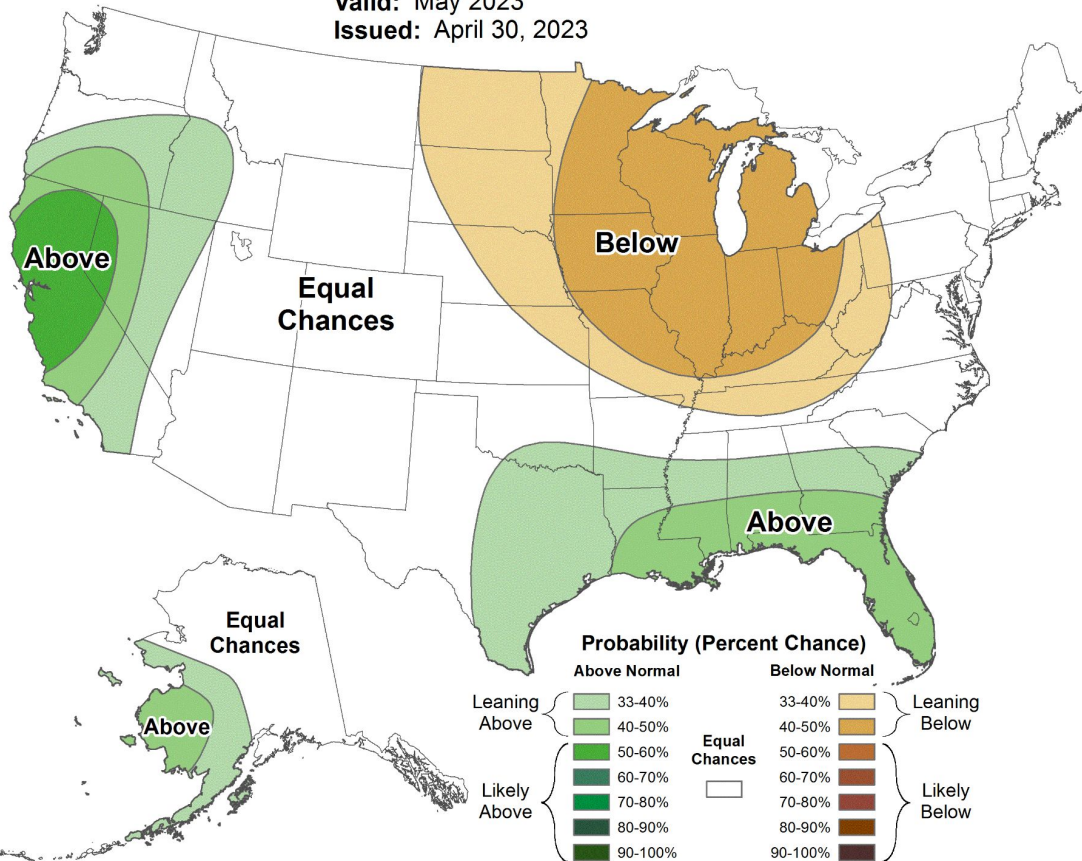
# Precipitation Outlooks



## Monthly Precipitation Outlook



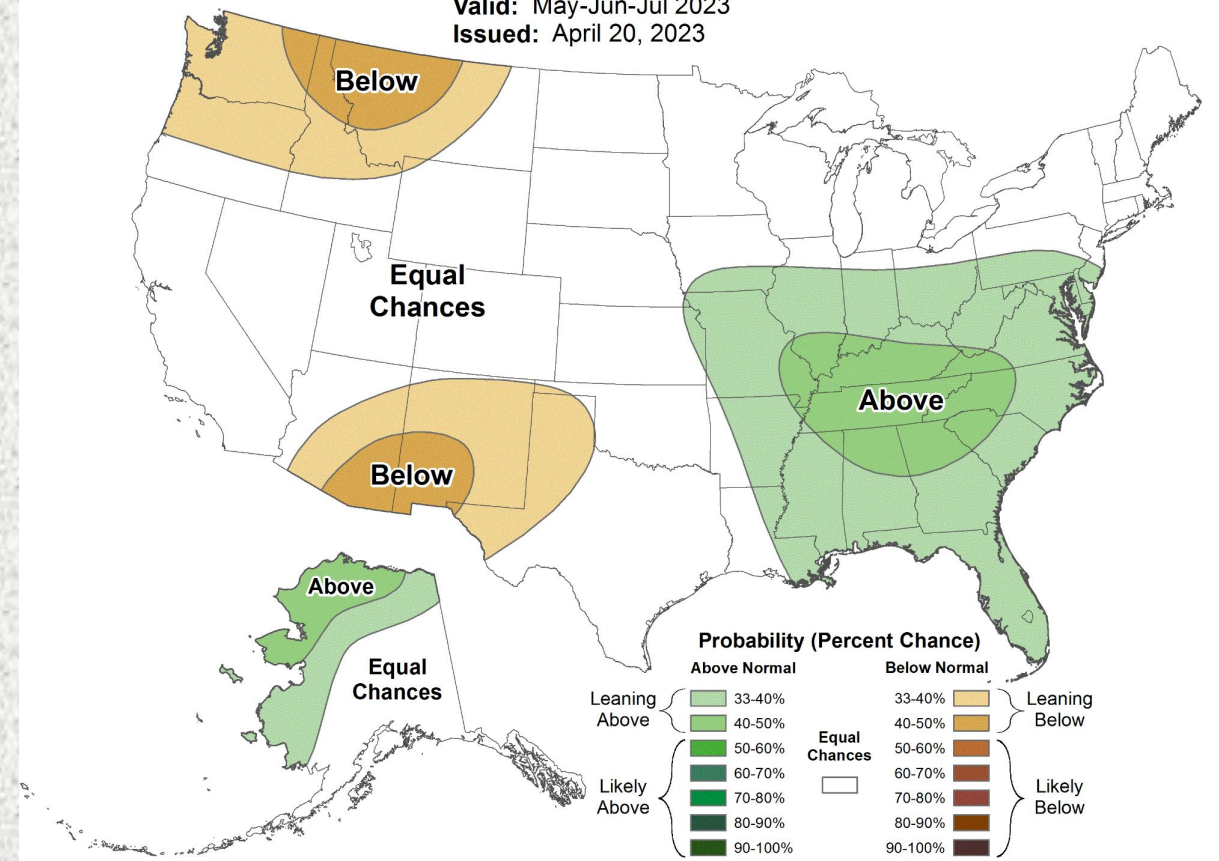
Valid: May 2023  
Issued: April 30, 2023



## Seasonal Precipitation Outlook



Valid: May-Jun-Jul 2023  
Issued: April 20, 2023



# Flood Products Issued

Product	Number Issued
Flash Flood Watch (FFA)	0
Flash Flood Warning (FFW)	2 (ETN: 004-005)
Flash Flood Statement (FFS)	3
Areal Flood Warning	1 (ETN: 006)
River Flood Warnings (FLW)	7 (ETN: 020-026)
River Flood Statements	15
Flood Advisories (FLS)	15 (ETN: 023-037)
Probabilistic Hydrologic Outlook (ESF)	6