

# NWS Houston/Galveston Monthly Hydrologic Report March 2024

**Produced by: Cameron Batiste**

**Date: 04/11/2024**

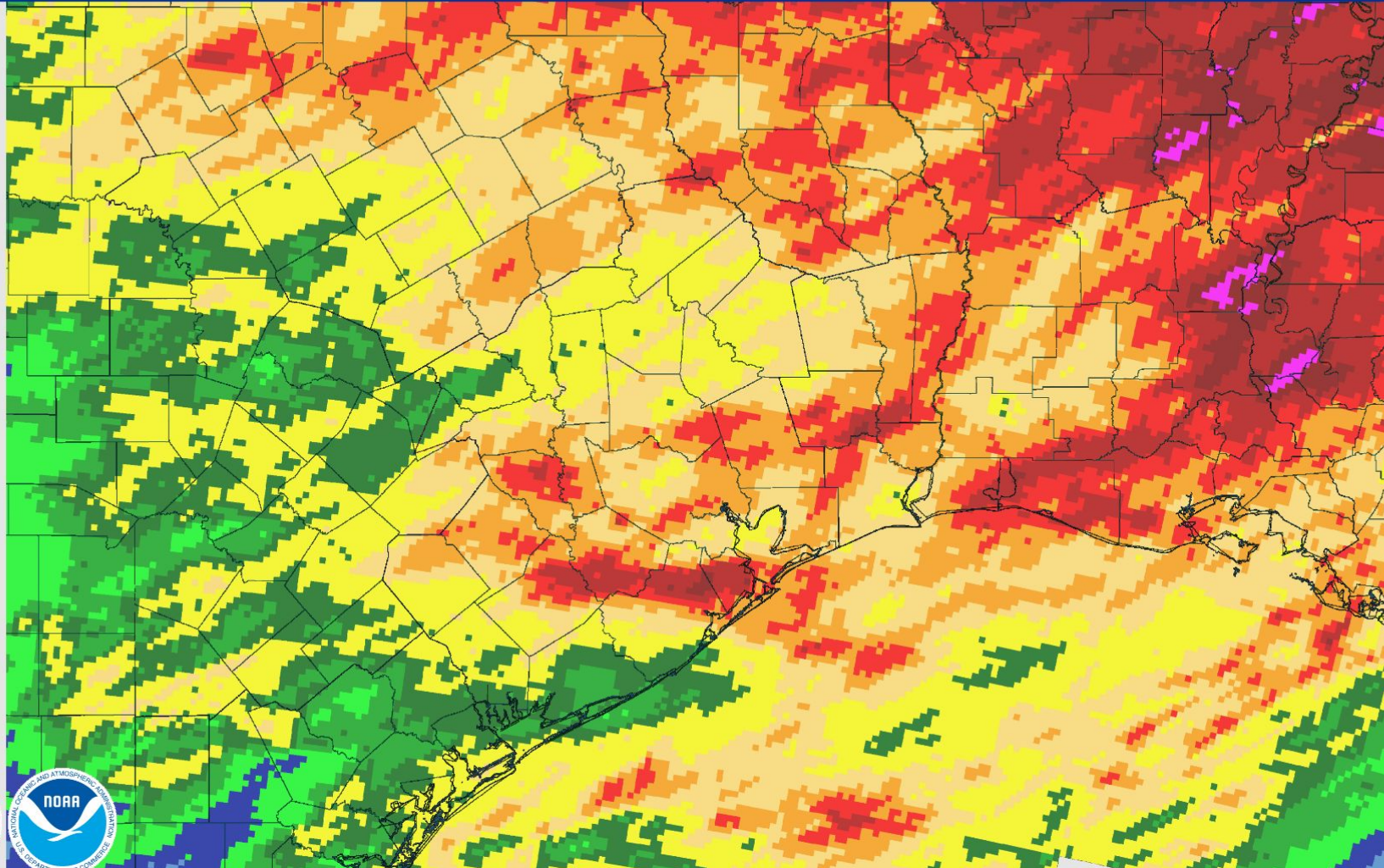
A quieter month hydro-wise compared to previous two months, but there were a couple of days of heavy rainfall in mid-March that led to river flooding along the San Bernard River. This rainfall proved to be beneficial by also keeping all of Southeast Texas out of any drought categories.

# Monthly Precipitation

March 01, 2024 Monthly Observed Precipitation

Created on: April 02, 2024 - 03:35 UTC

Valid on: April 01, 2024 12:00 UTC



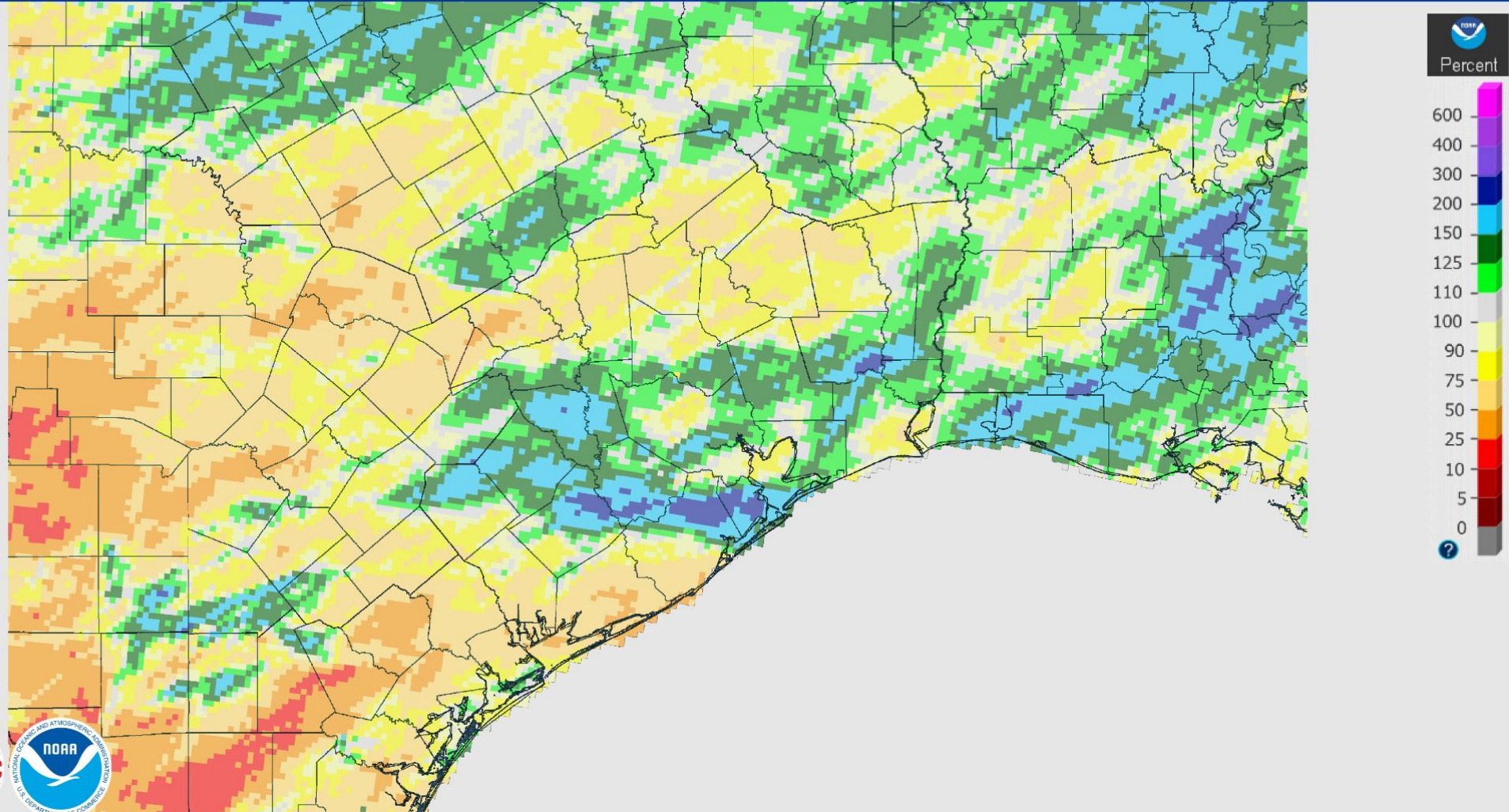


# Monthly Percent of Normal Precipitation

March 01, 2024 Monthly Percent Precipitation

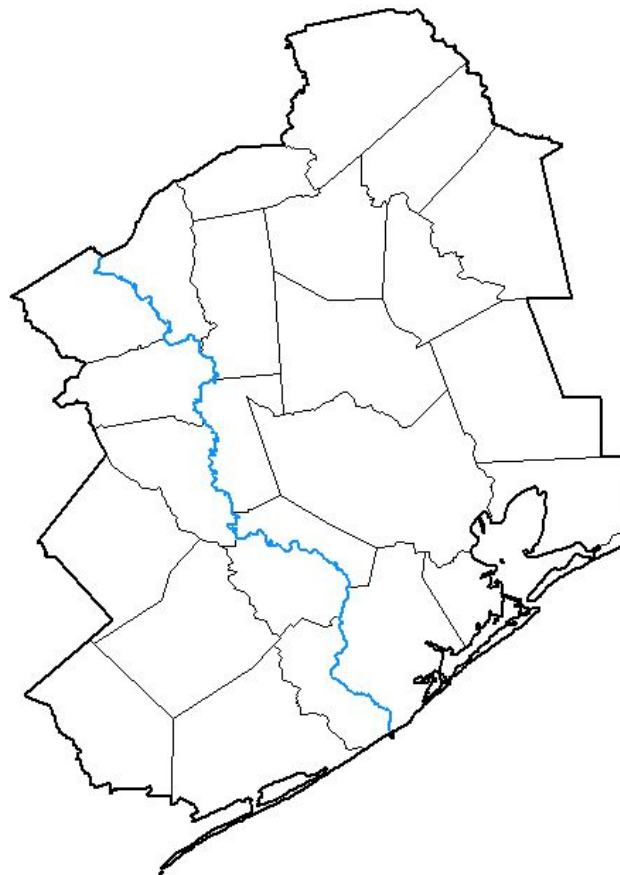
Created on: April 02, 2024 - 03:36 UTC

Valid on: April 01, 2024 12:00 UTC



# U.S. Drought Monitor

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



**March 26, 2024**

*(Released Thursday, Mar. 28, 2024)*

Valid 8 a.m. EDT

*Drought Conditions (Percent Area)*

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
<b>Current</b>	100.00	0.00	0.00	0.00	0.00	0.00
<b>Last Week</b> <i>03-19-2024</i>	92.29	7.71	0.00	0.00	0.00	0.00
<b>3 Months Ago</b> <i>12-26-2023</i>	26.21	73.79	57.44	8.66	0.00	0.00
<b>Start of Calendar Year</b> <i>01-02-2024</i>	26.21	73.79	57.44	11.02	0.00	0.00
<b>Start of Water Year</b> <i>09-26-2023</i>	0.00	100.00	100.00	100.00	99.98	55.82
<b>One Year Ago</b> <i>03-28-2023</i>	26.26	73.74	29.75	9.69	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>*

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U.S. Department of Agriculture



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

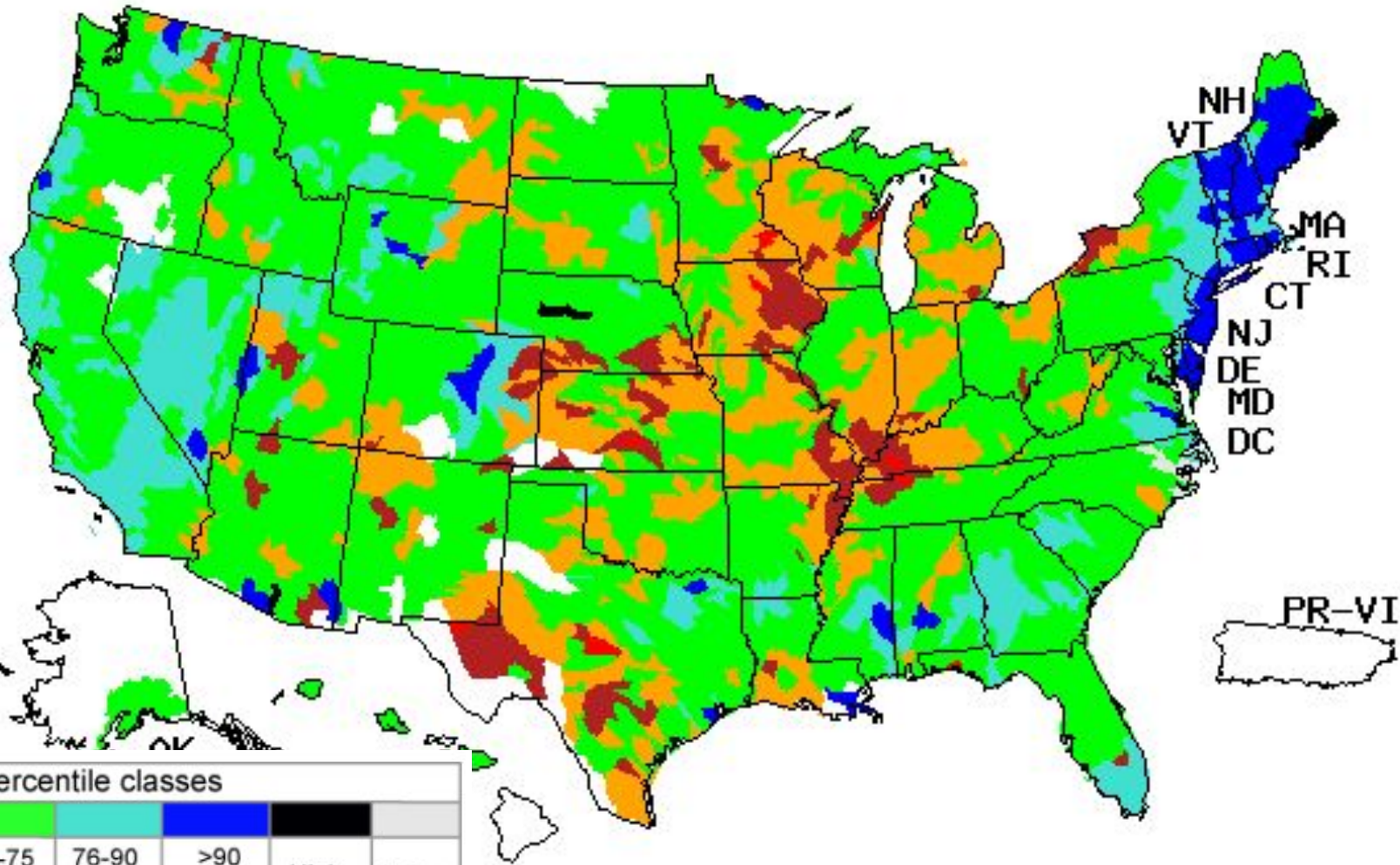


# River Flooding

River and Station	Flood Stage (feet)	Crest Stage (feet)	Crest Date
San Bernard River at Boling (BOLT2)	18.0	22.49	03/22 09:30Z
San Bernard River at Sweeney (OCNT2)	7.0	9.70	03/23 01:45Z

# Monthly Average Streamflow

March 2024

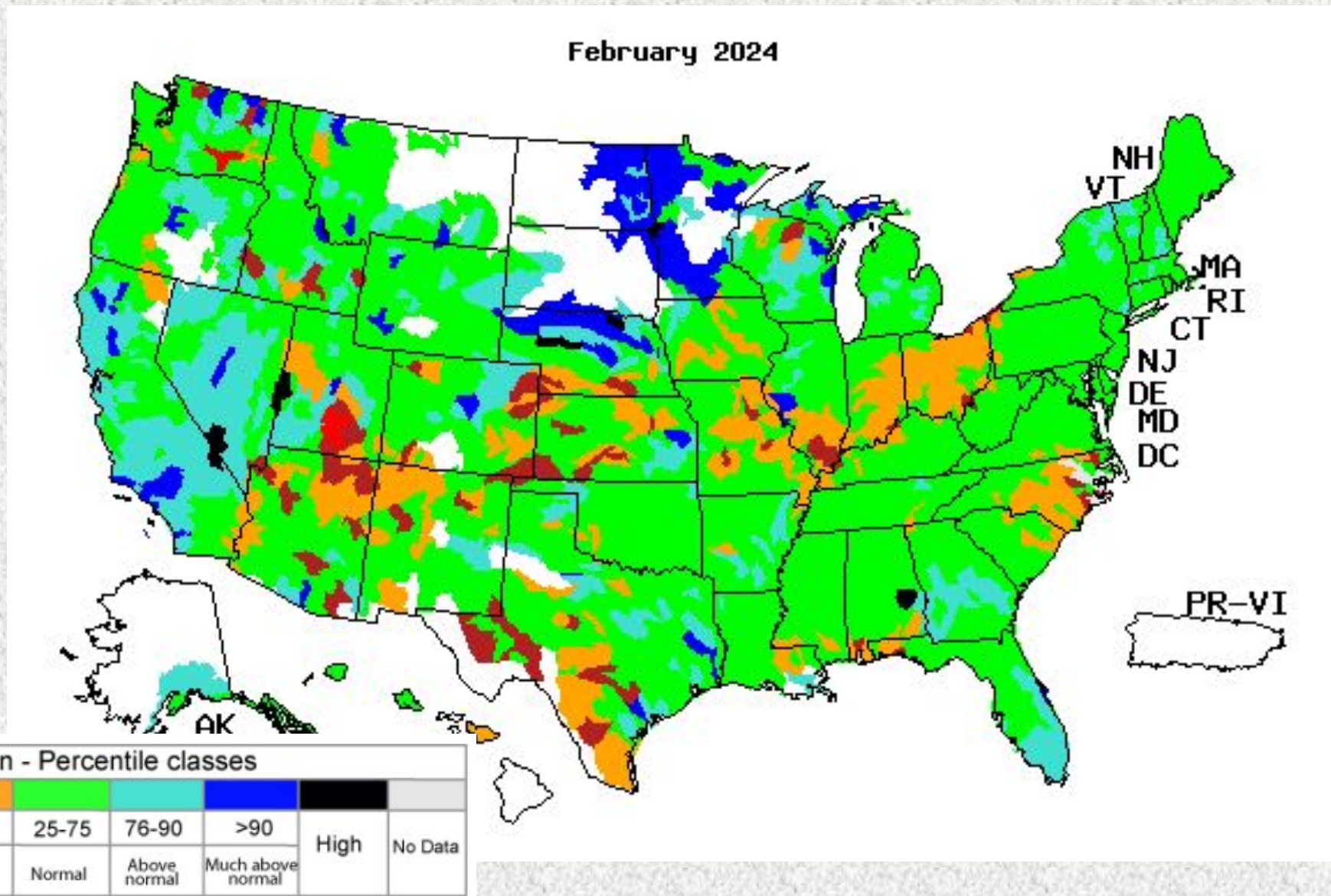


Explanation - Percentile classes

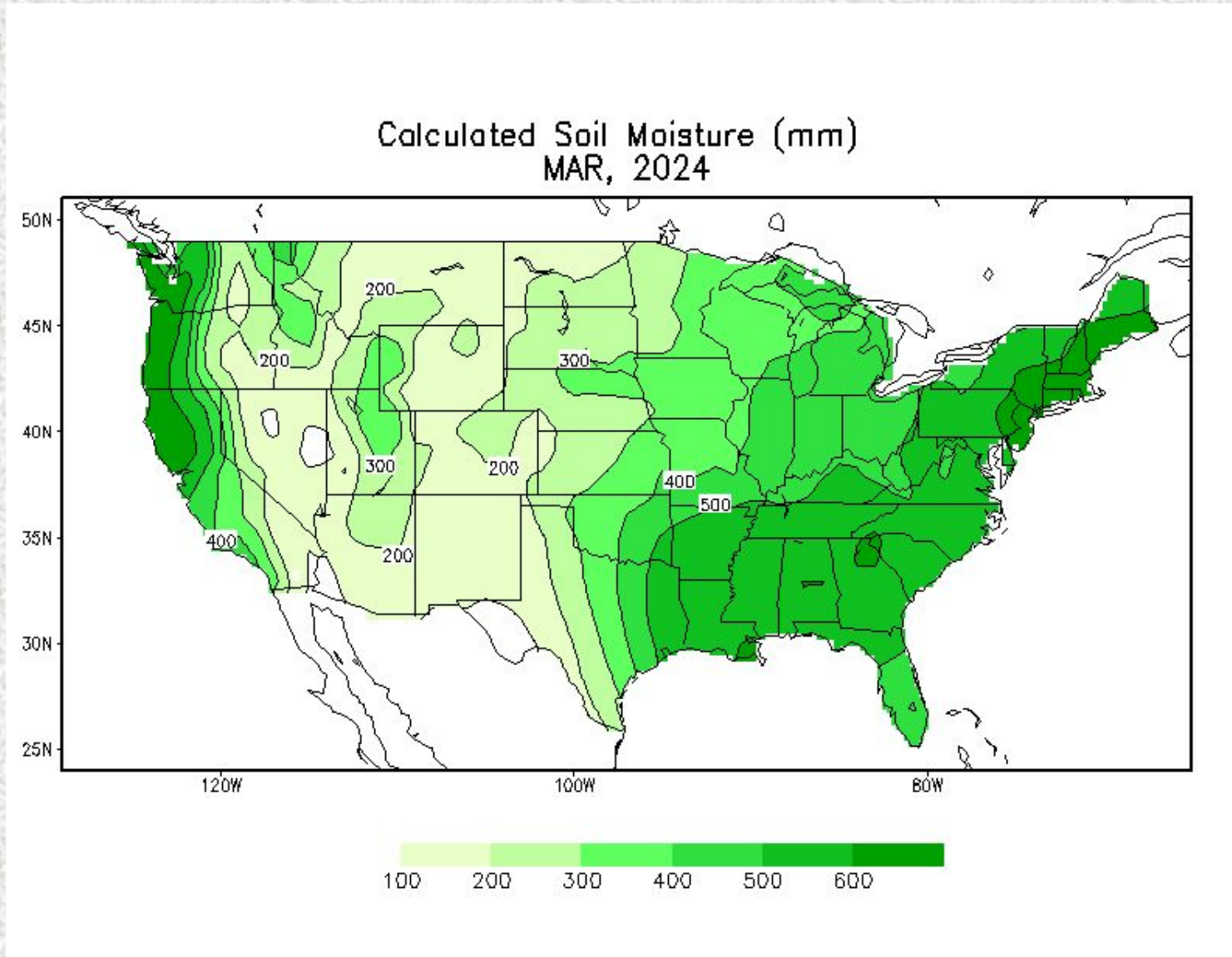
Low	<10	10-24	25-75	76-90	>90	High	No Data	
	Much below normal	Below normal	Normal	Above normal	Much above normal			



# Previous Monthly Average Streamflow



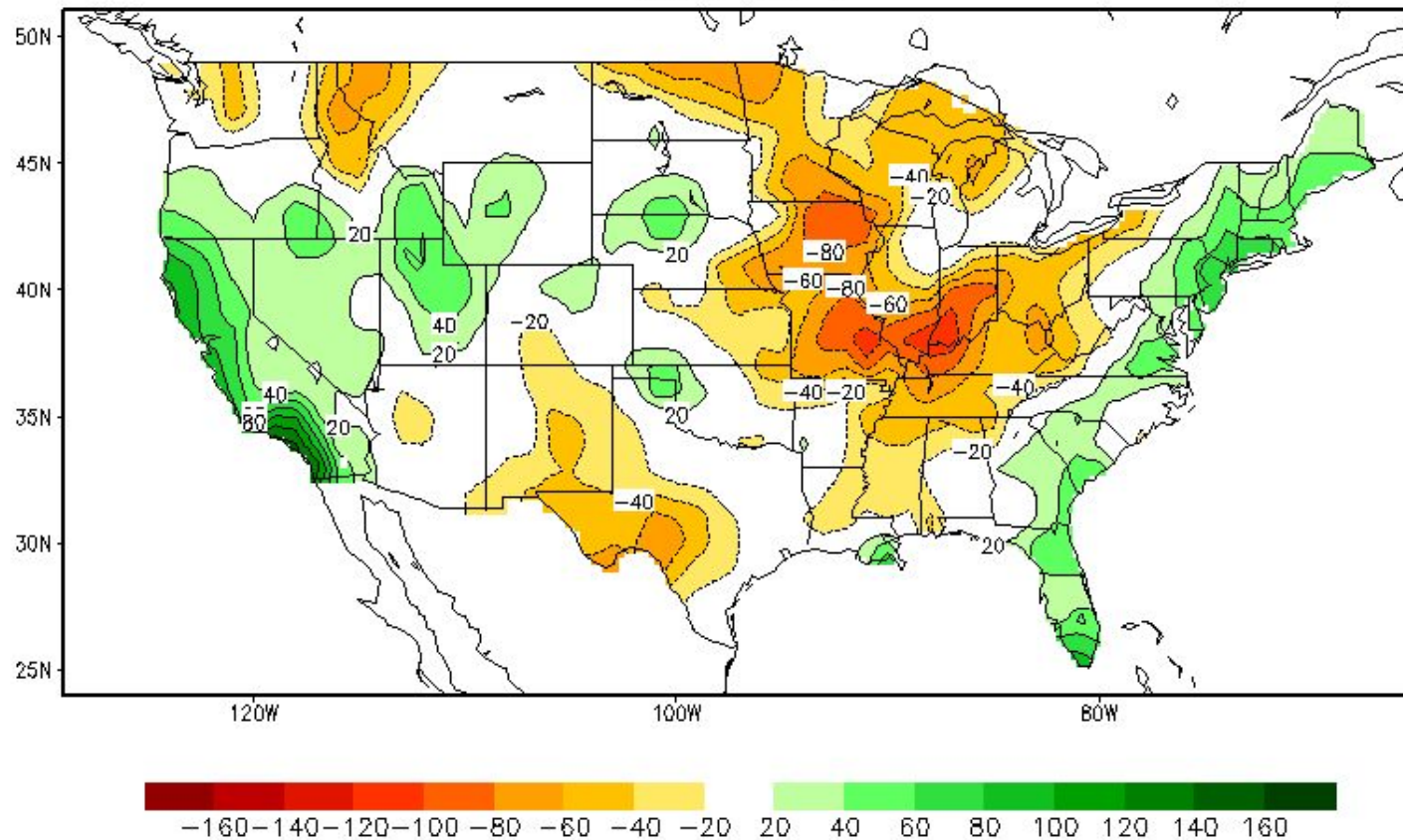
# Soil Moisture



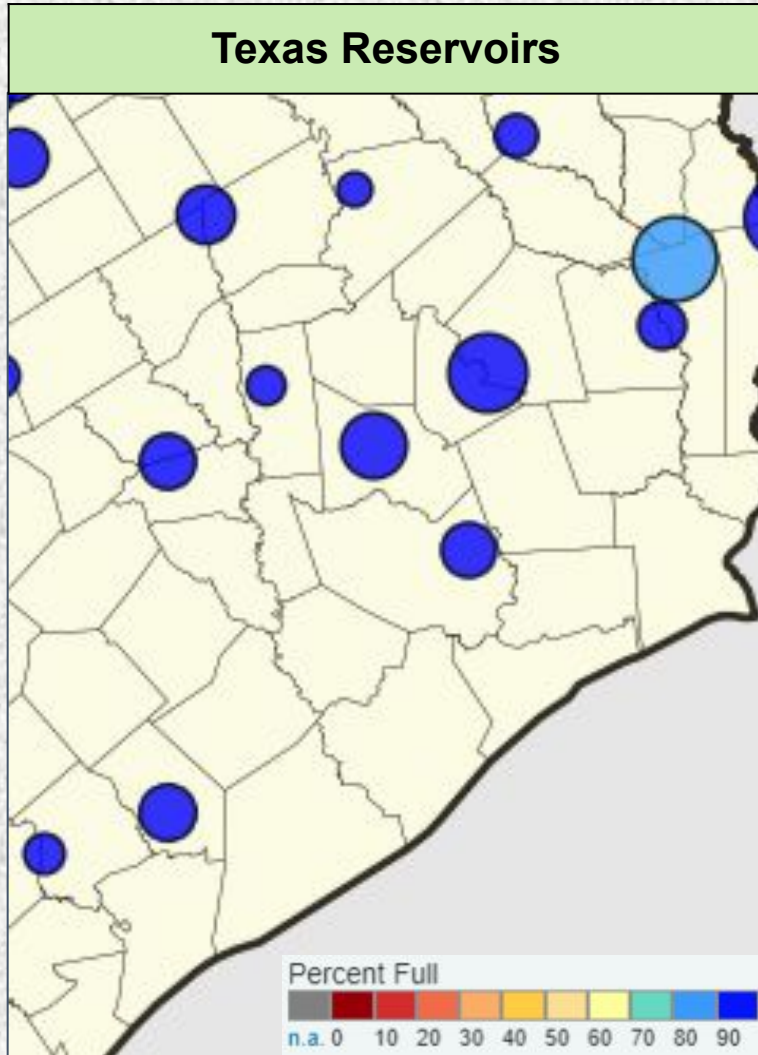


# Soil Moisture Anomaly

Calculated Soil Moisture Anomaly (mm)  
MAR, 2024



# Reservoir Status



Reservoir	Percent Full Conservation Storage
Houston County Lake	100.0%
Lake Livingston	100.0%
Lake Conroe	99.8%
Lake Houston	99.7%
Gibbons Creek Reservoir	94.0%
Lake Somerville	100.0%
Lake Texana	96.9%

Data added on: April 1, 2024 at 11:00 pm CDT



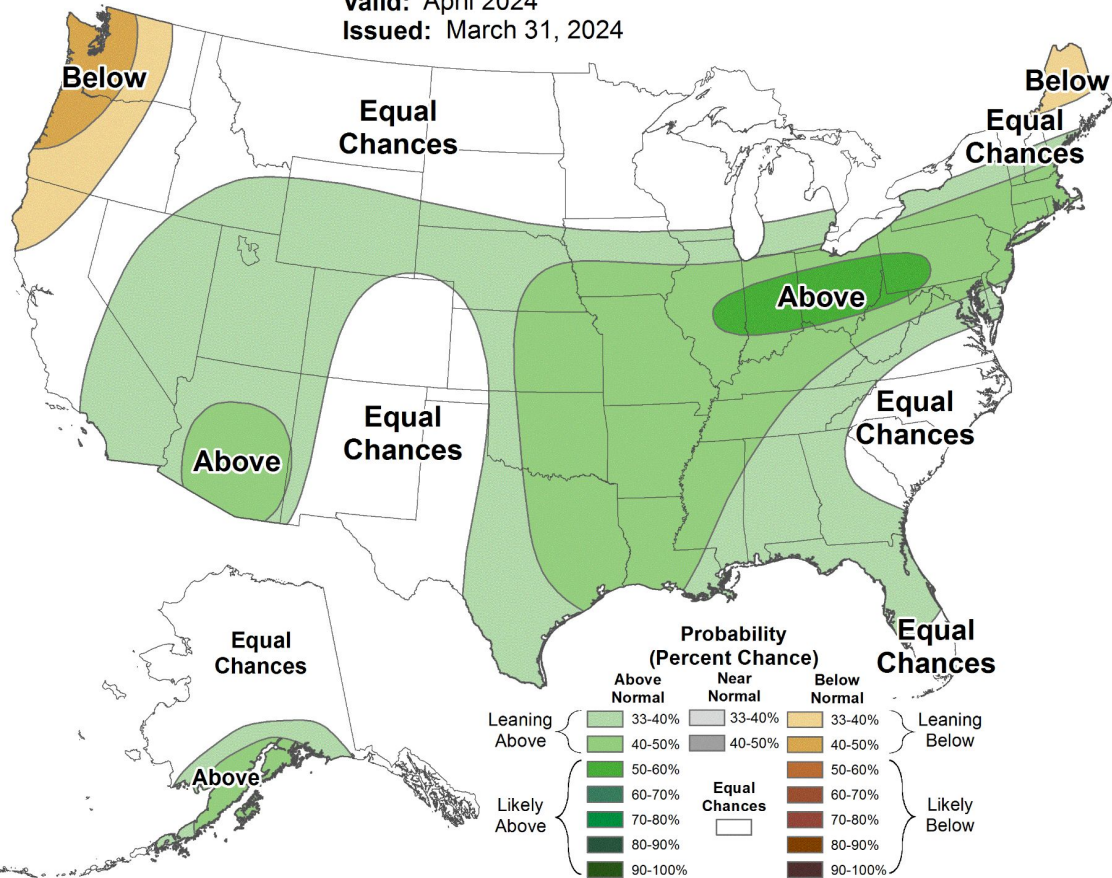
# Precipitation Outlooks



## Monthly Precipitation Outlook



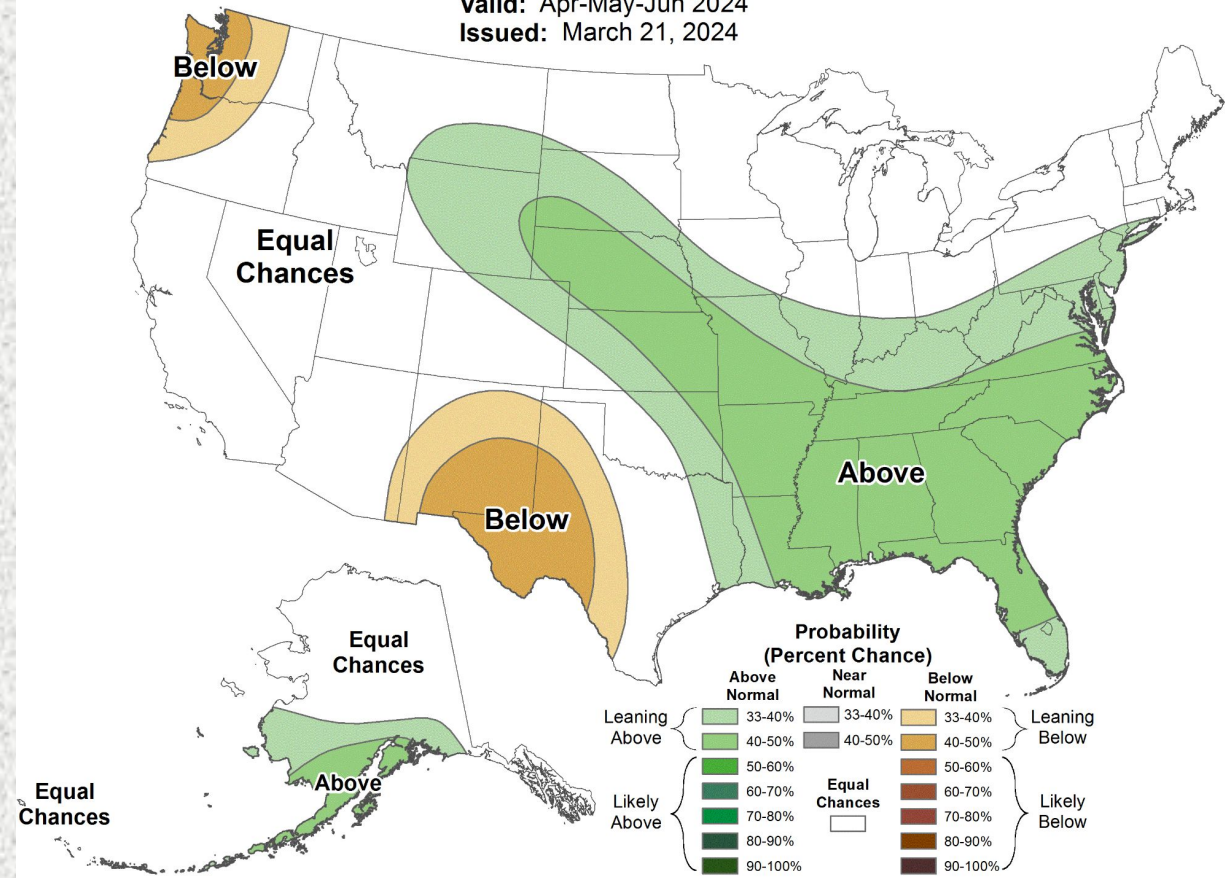
Valid: April 2024  
Issued: March 31, 2024



## Seasonal Precipitation Outlook



Valid: Apr-May-Jun 2024  
Issued: March 21, 2024



# Flood Products Issued

Product	Number Issued
Flash Flood Watch (FFA)	0
Flash Flood Warning (FFW)	0
Flash Flood Statement (FFS)	0
Areal Flood Warning	8 (ETN: 001-008)
River Flood Warnings (FLW)	3 (ETN: 038-040)
River Flood Statements	12
Flood Advisories (FLS)	7 (ETN: 018-024)
Probabilistic Hydrologic Outlook (ESF)	6