

NWS Houston/Galveston Monthly Hydrologic Report December 2023

Produced by: Cameron Batiste

Date: 01/23/2024

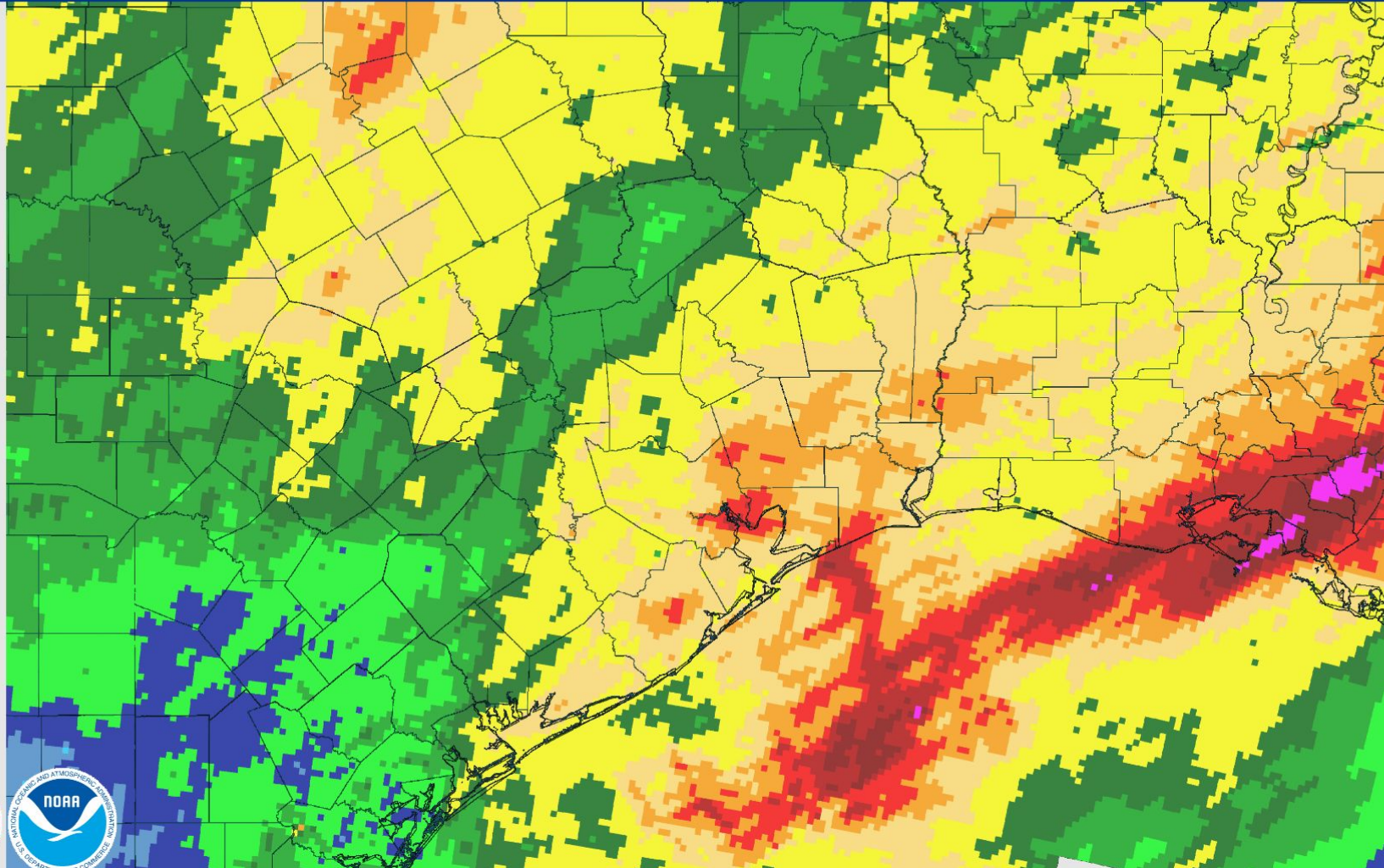
Bouts of rainfall at the beginning and the middle of the month provided some much needed drought relief, especially for areas along the coastal plains. Extreme drought conditions in Chambers County was finally brought to an end this month. The area with the most drought conditions now is across portions of the Brazos Valley/Piney Woods.

Monthly Precipitation

December 01, 2023 Monthly Observed Precipitation

Created on: January 23, 2024 - 13:03 UTC

Valid on: January 01, 2024 12:00 UTC

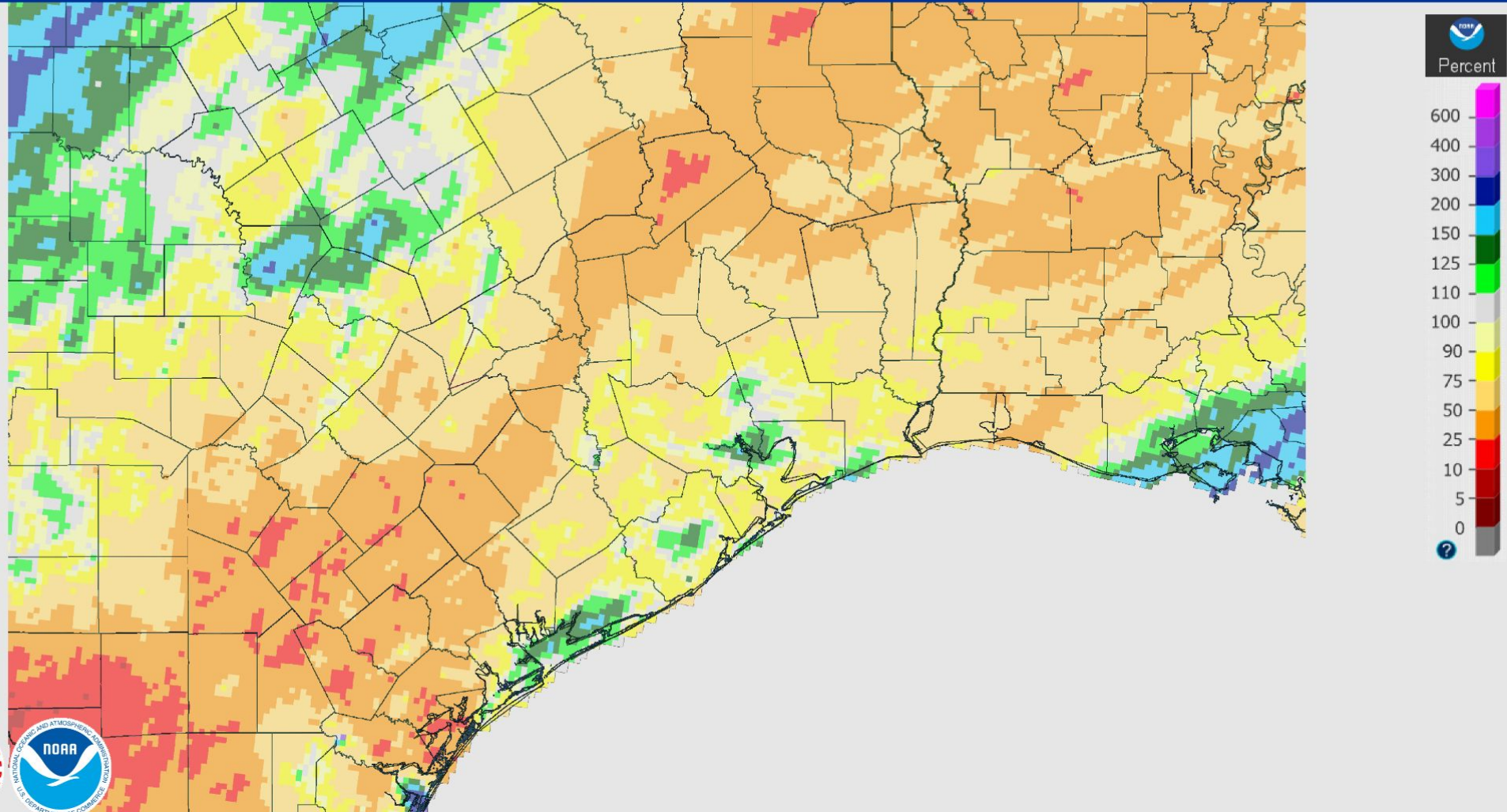


Monthly Percent of Normal Precipitation

December 01, 2023 Monthly Percent Precipitation

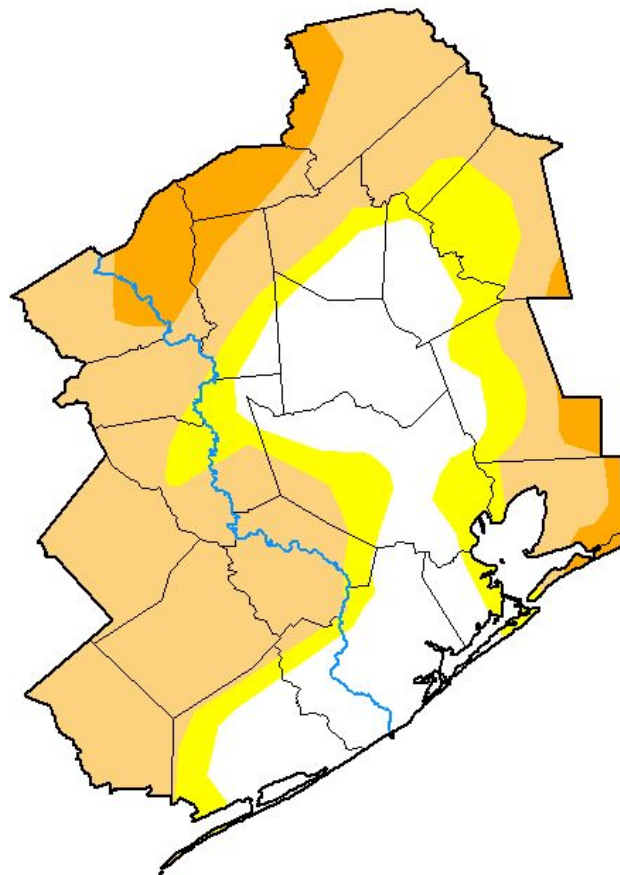
Created on: January 23, 2024 - 13:05 UTC

Valid on: January 01, 2024 12:00 UTC



U.S. Drought Monitor

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



December 26, 2023

(Released Thursday, Dec. 28, 2023)

Valid 7 a.m. EST

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	26.21	73.79	57.44	8.66	0.00	0.00
Last Week 12-19-2023	20.15	79.85	63.96	8.66	0.14	0.00
3 Months Ago 09-26-2023	0.00	100.00	100.00	100.00	99.98	55.82
Start of Calendar Year 01-03-2023	84.11	15.89	6.96	0.00	0.00	0.00
Start of Water Year 09-26-2023	0.00	100.00	100.00	100.00	99.98	55.82
One Year Ago 12-27-2022	77.80	22.20	7.80	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:

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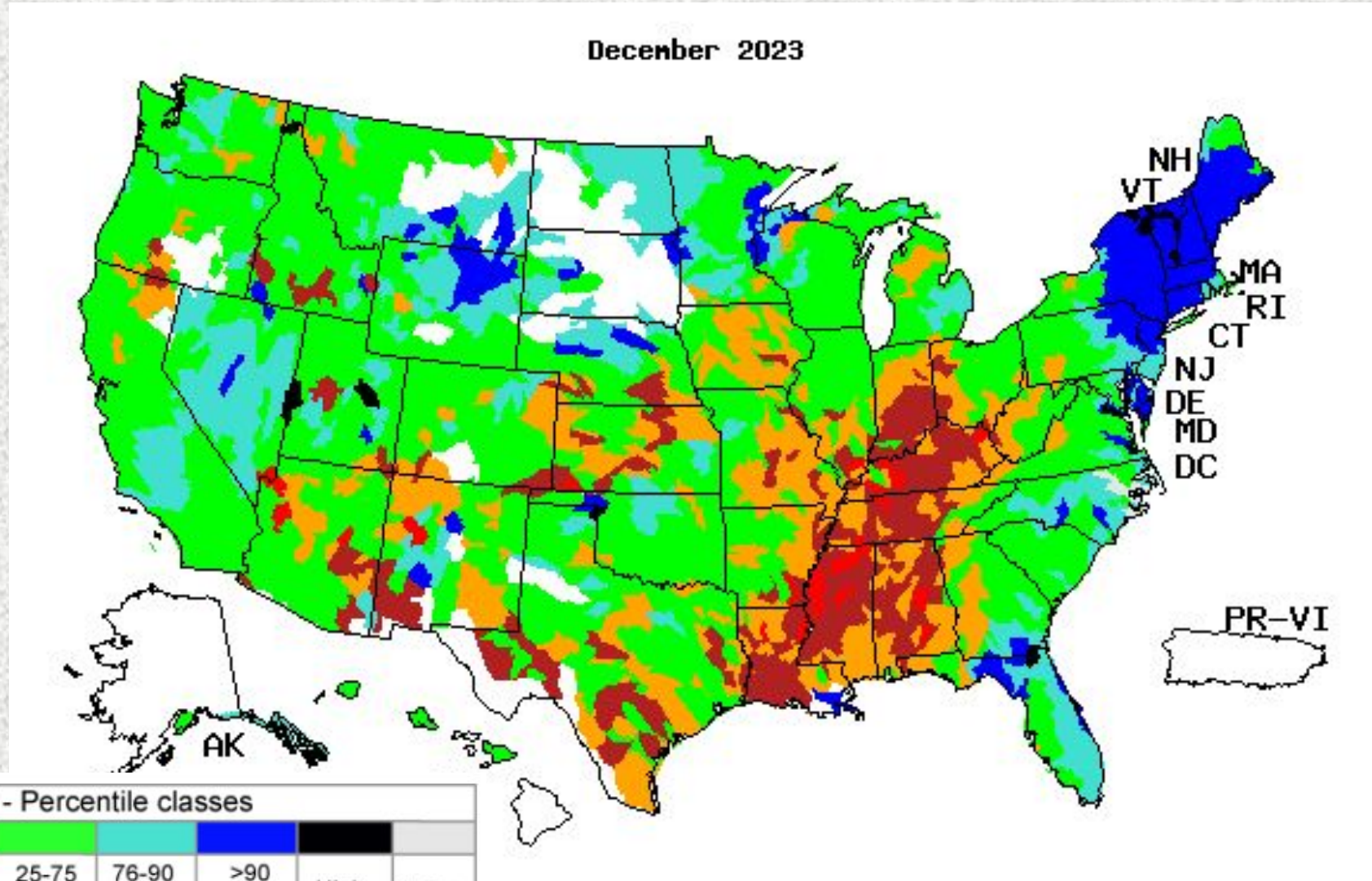


droughtmonitor.unl.edu

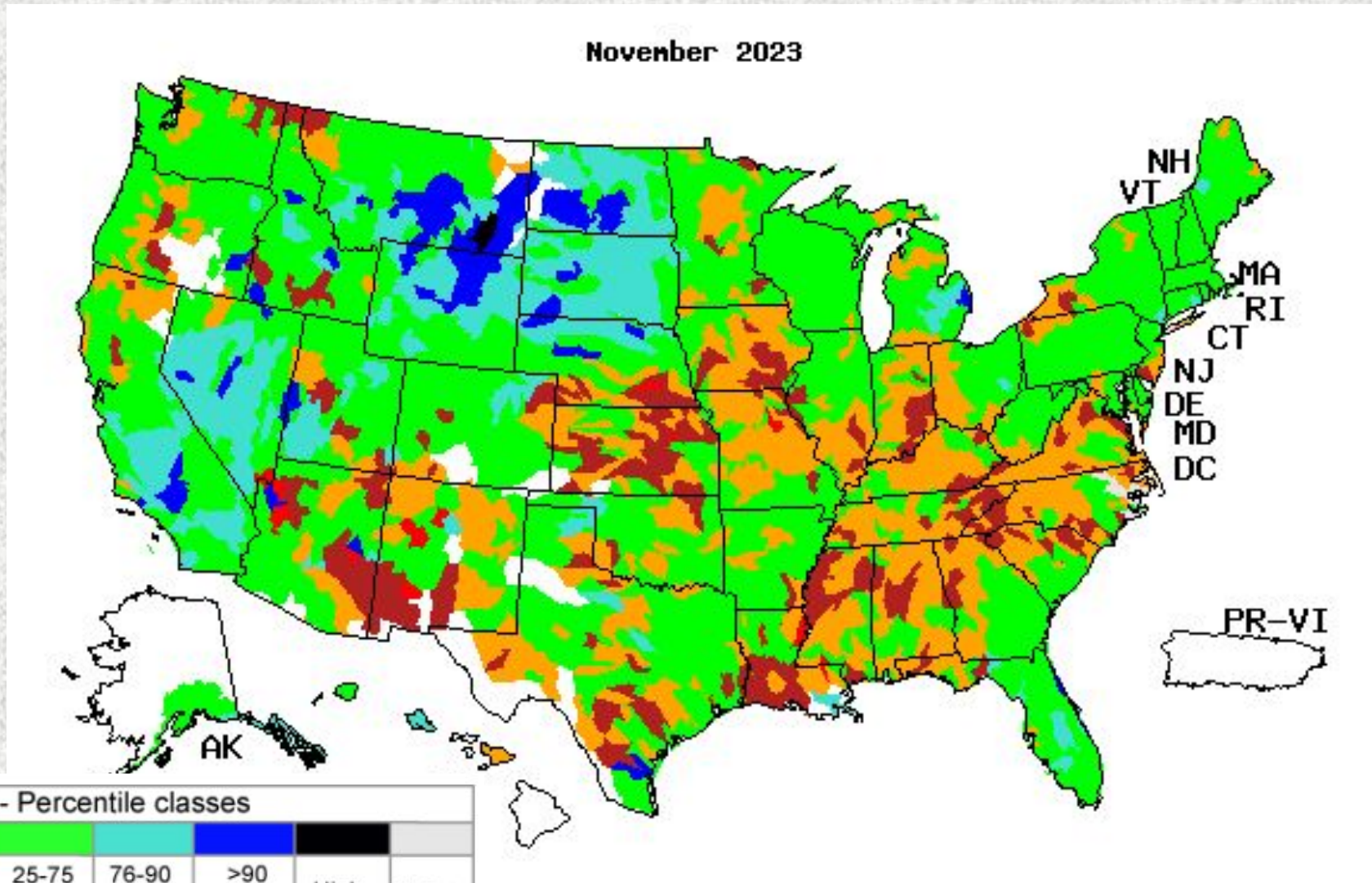
River Flooding

River and Station	Flood Stage (feet)	Crest Stage (feet)	Crest Date
None			

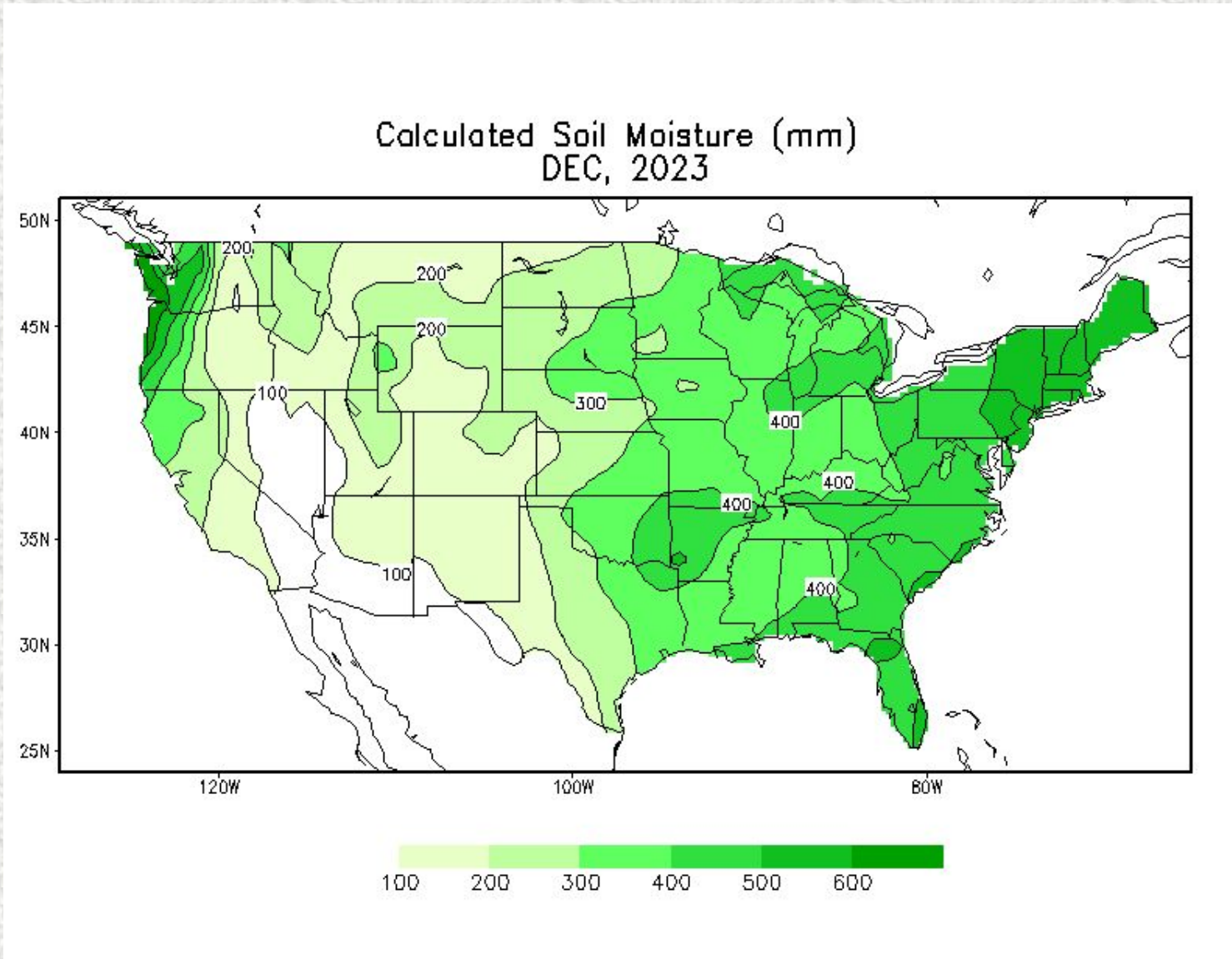
Monthly Average Streamflow



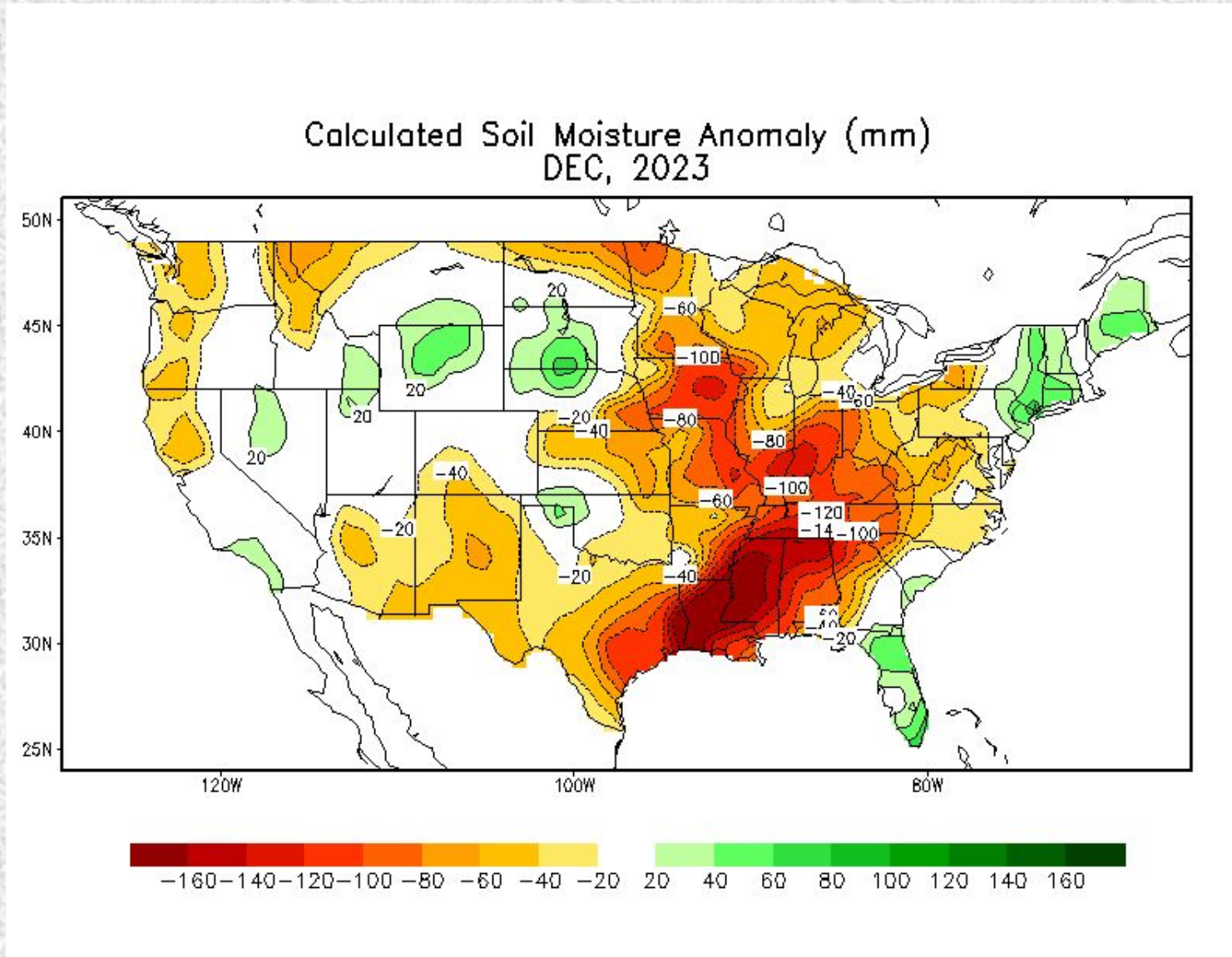
Previous Monthly Average Streamflow



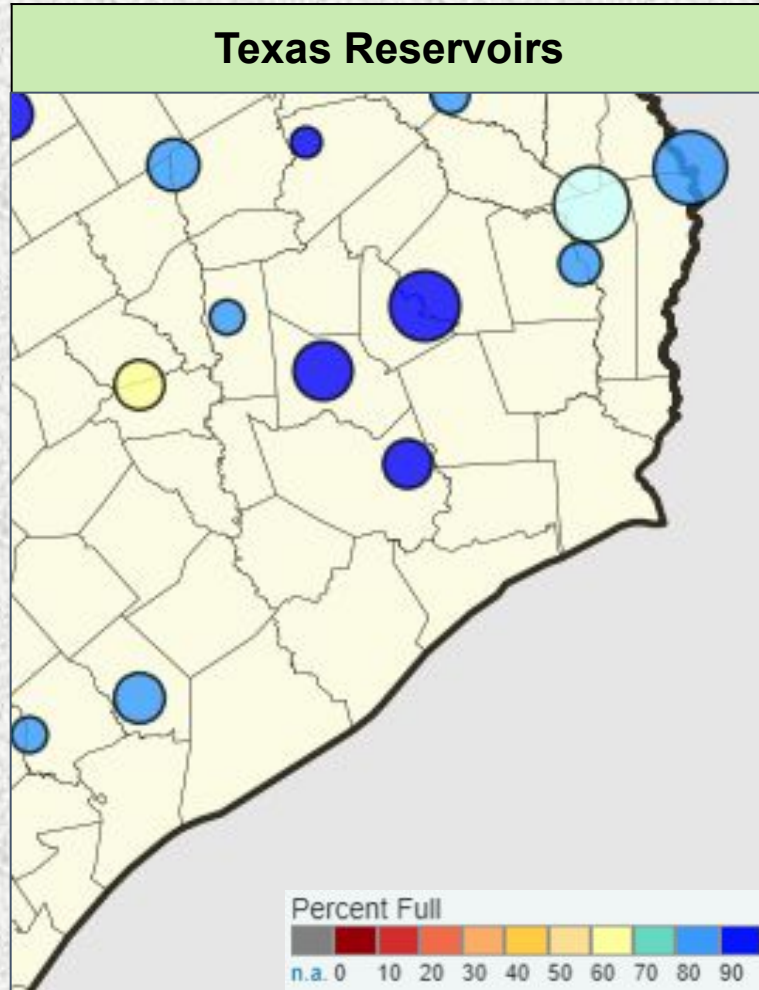
Soil Moisture



Soil Moisture Anomaly



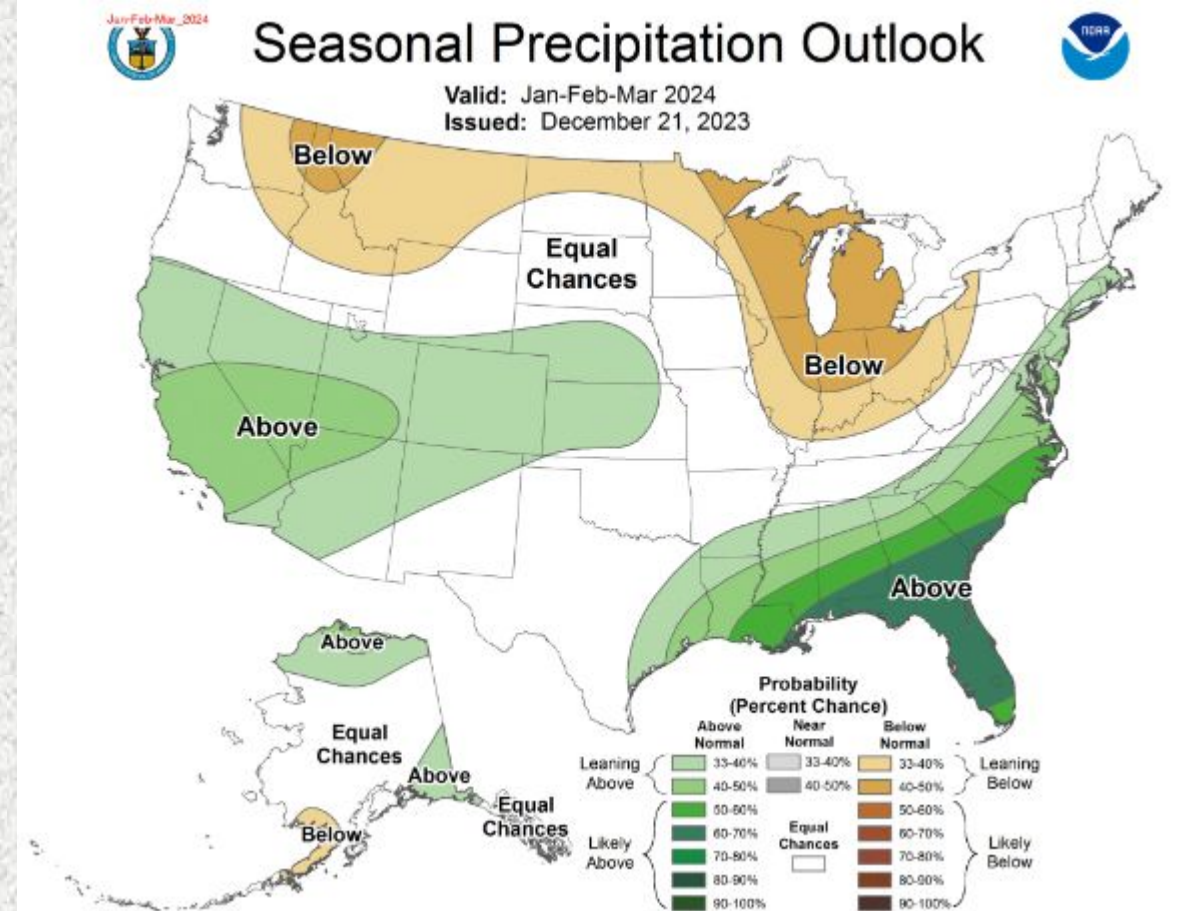
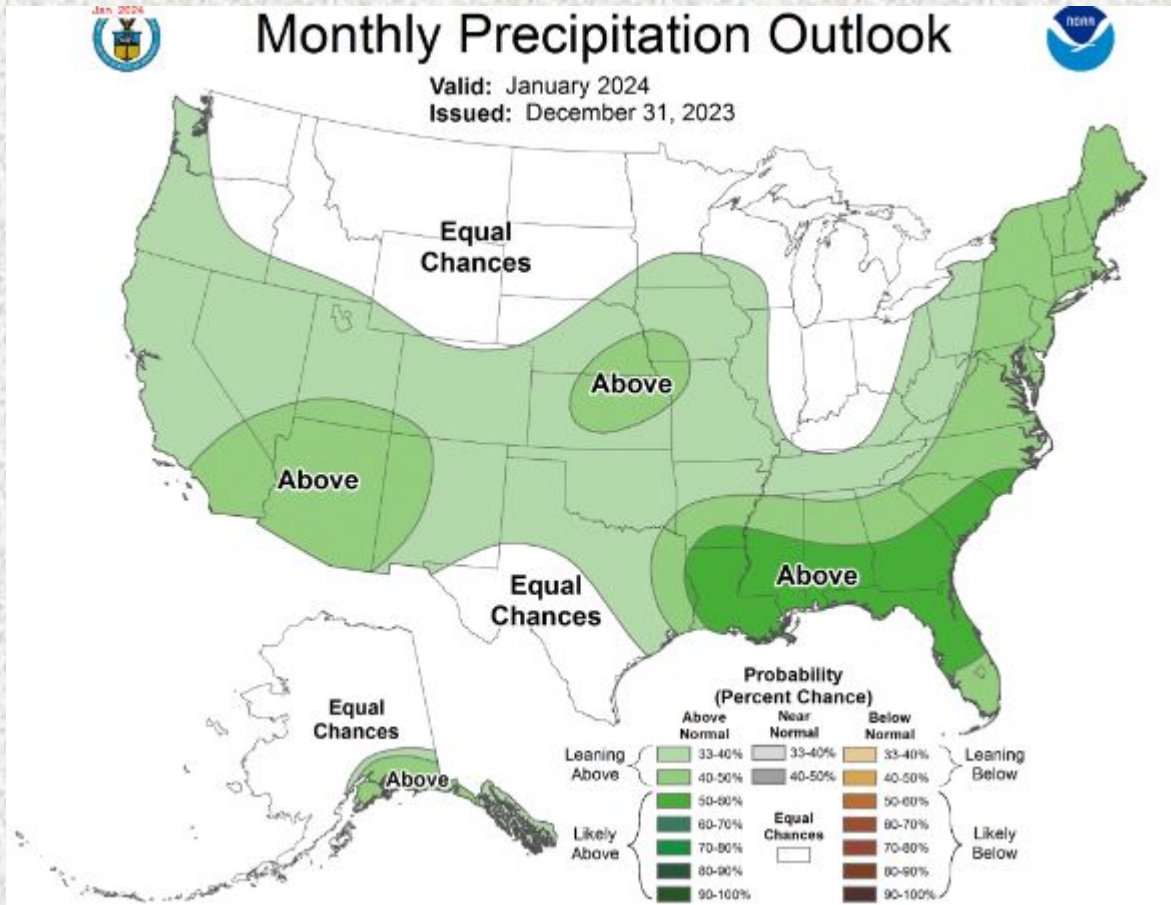
Reservoir Status



Reservoir	Percent Full Conservation Storage
Houston County Lake	98.0%
Lake Livingston	100.0%
Lake Conroe	100.0%
Lake Houston	92.4%
Gibbons Creek Reservoir	83.0%
Lake Somerville	62.5%
Lake Texana	85.9%

Data added on: January 23, 2024 at 7:00 am CST

Precipitation Outlooks



Flood Products Issued

Product	Number Issued
Flash Flood Watch (FFA)	0
Flash Flood Warning (FFW)	0
Flash Flood Statement (FFS)	0
Areal Flood Warning	0
River Flood Warnings (FLW)	0
River Flood Statements	0
Flood Advisories (FLS)	0
Probabilistic Hydrologic Outlook (ESF)	6