

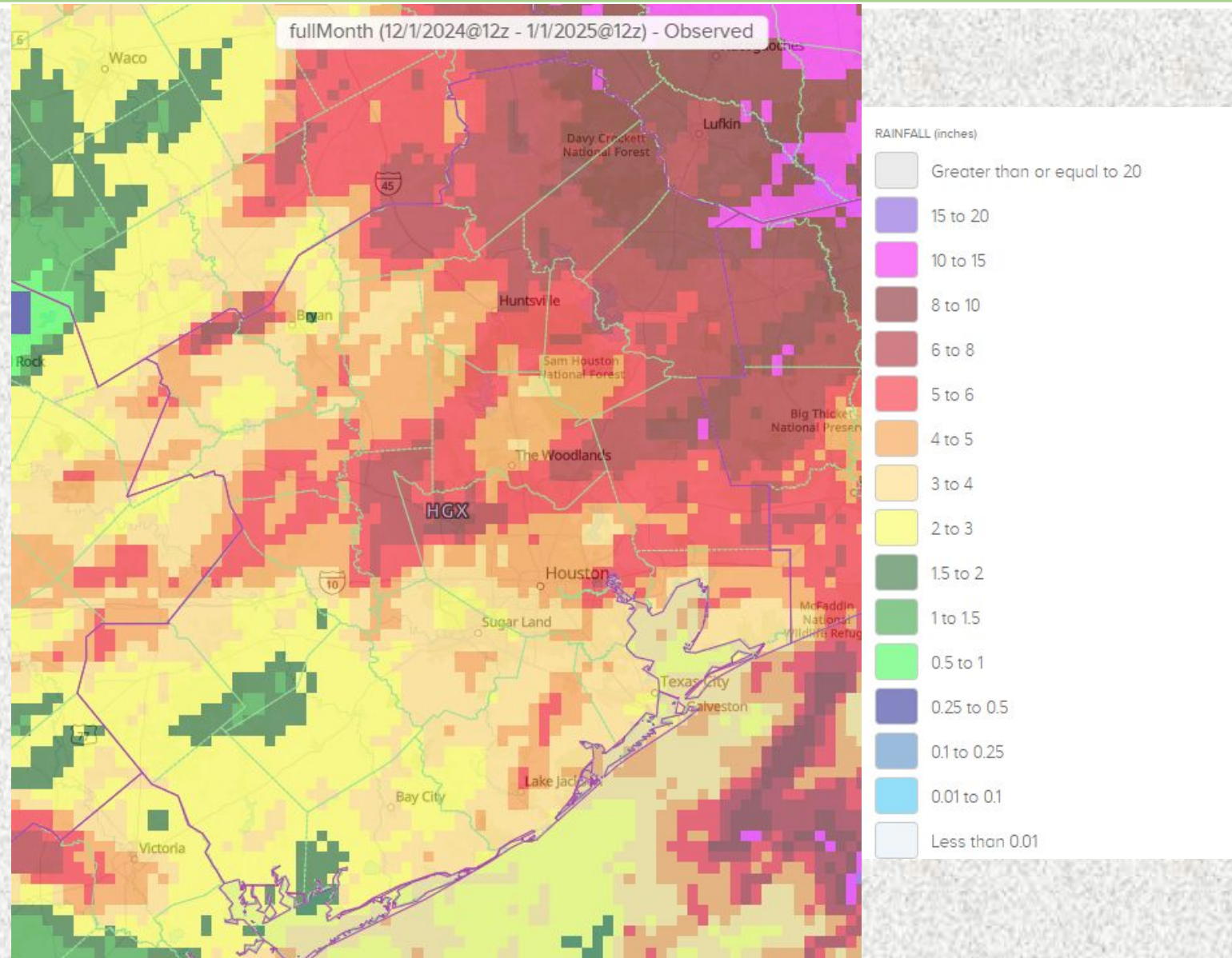
NWS Houston/Galveston Monthly Hydrologic Report December 2024

Produced by: Cameron Batiste

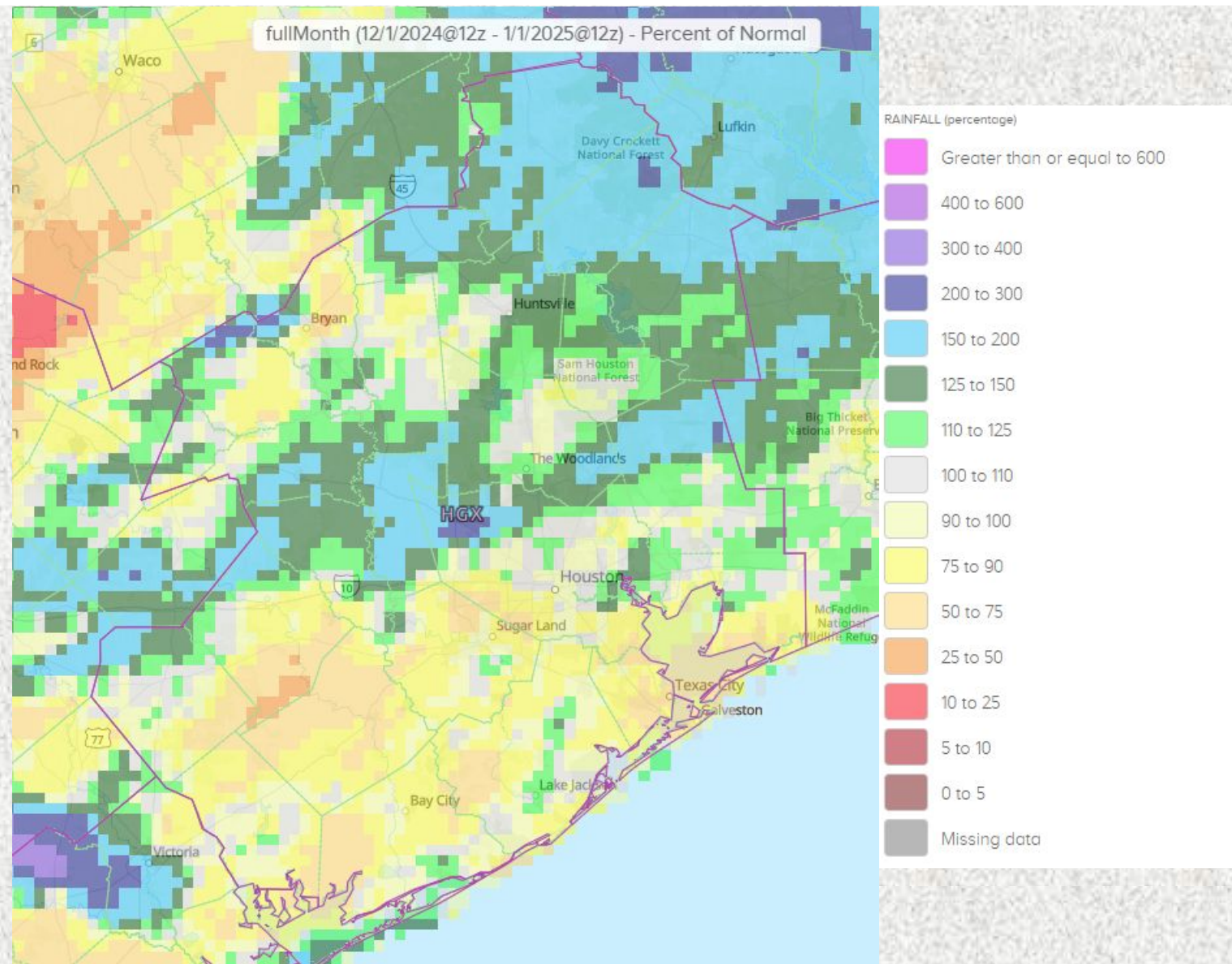
Date: 1/7/2025

Most of the month of December was relatively dry until the end of the month where Southeast Texas experienced multiple rounds of heavy rainfall. Areas east of the I-45 corridor saw the higher end of the rainfall totals for the month, but most will remember December for the two tornado outbreaks that accompanied the periods of heavy rainfall at the end of the month.

Monthly Precipitation

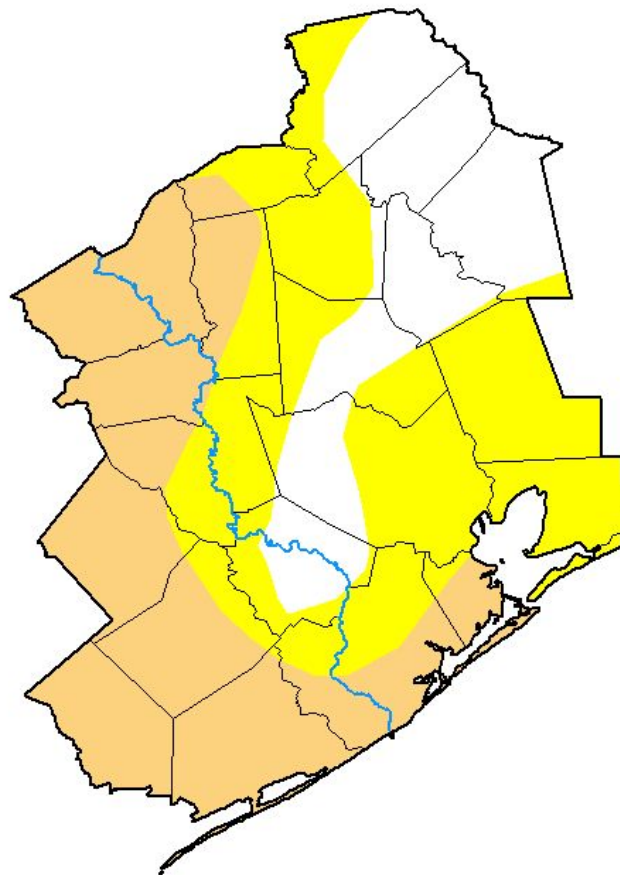


Monthly Percent of Normal Precipitation



U.S. Drought Monitor

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



December 31, 2024

(Released Wednesday, Jan. 1, 2025)

Valid 7 a.m. EST

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	23.69	76.31	37.60	0.00	0.00	0.00
Last Week <i>12-24-2024</i>	3.26	96.74	75.94	24.76	0.00	0.00
3 Months Ago <i>10-01-2024</i>	10.34	89.66	5.13	0.00	0.00	0.00
Start of Calendar Year <i>01-02-2024</i>	26.21	73.79	57.44	11.02	0.00	0.00
Start of Water Year <i>10-01-2024</i>	10.34	89.66	5.13	0.00	0.00	0.00
One Year Ago <i>01-02-2024</i>	26.21	73.79	57.44	11.02	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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NCEI/NOAA



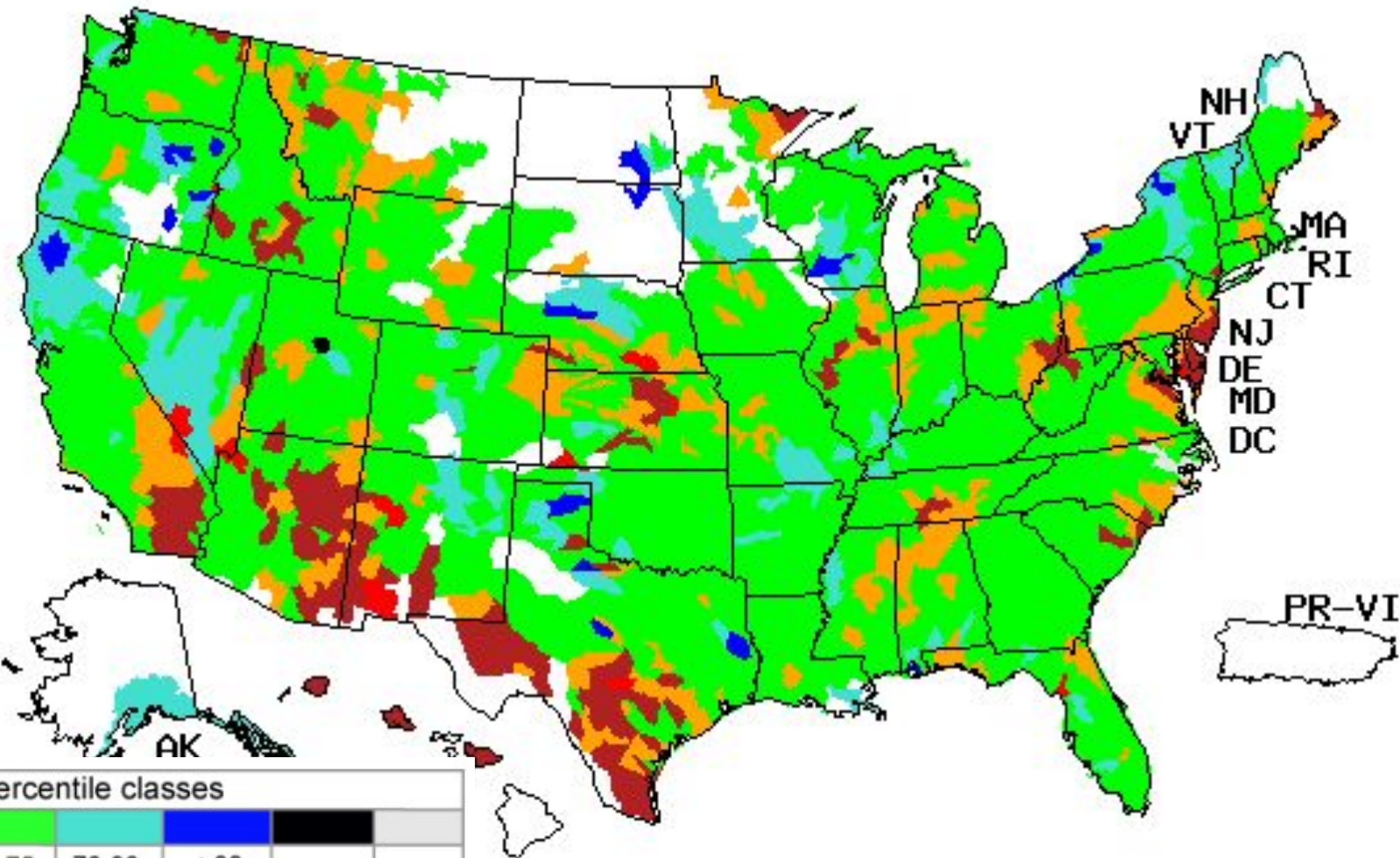
droughtmonitor.unl.edu

River Flooding

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

Monthly Average Streamflow

December 2024

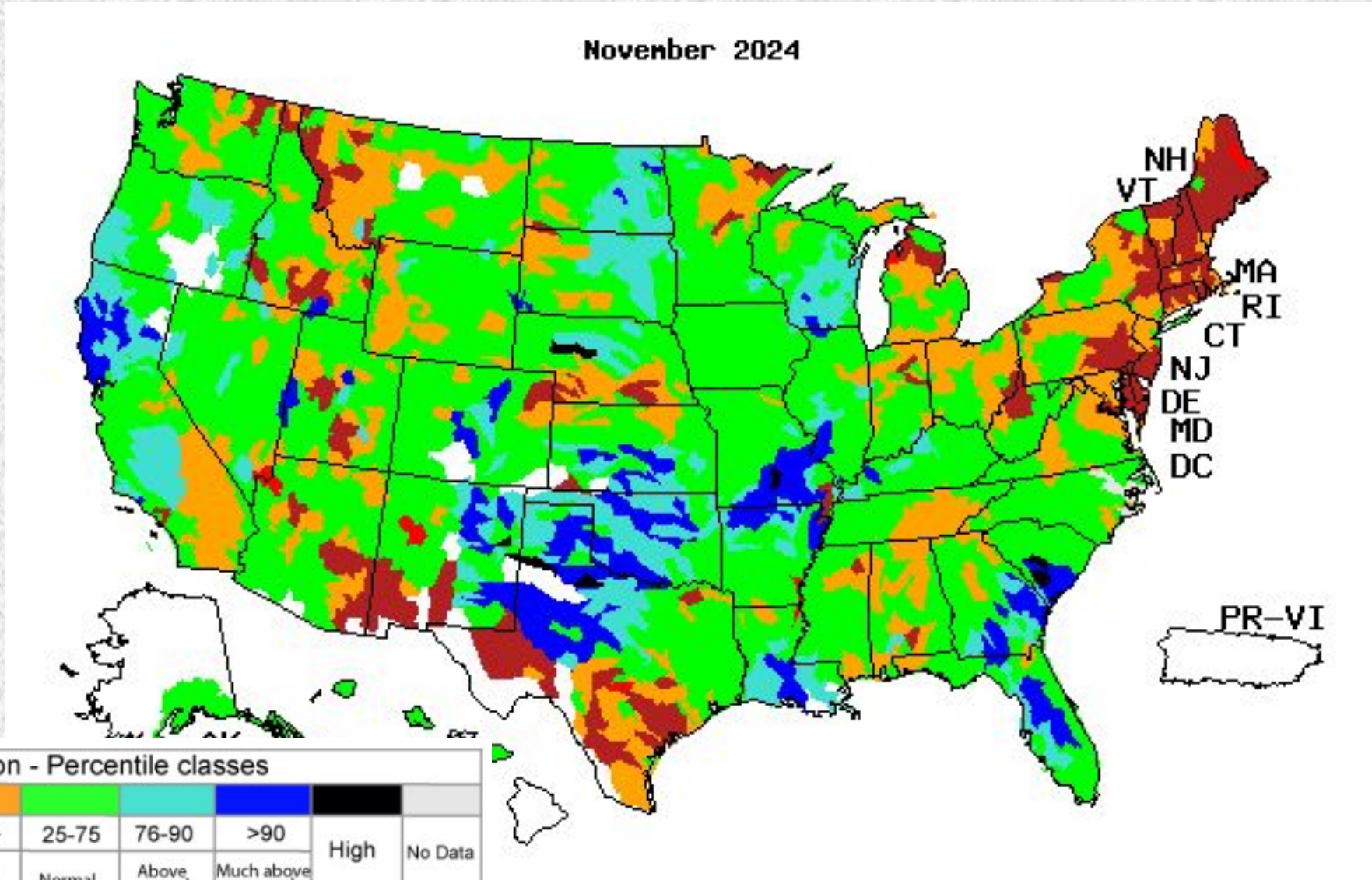


Explanation - Percentile classes

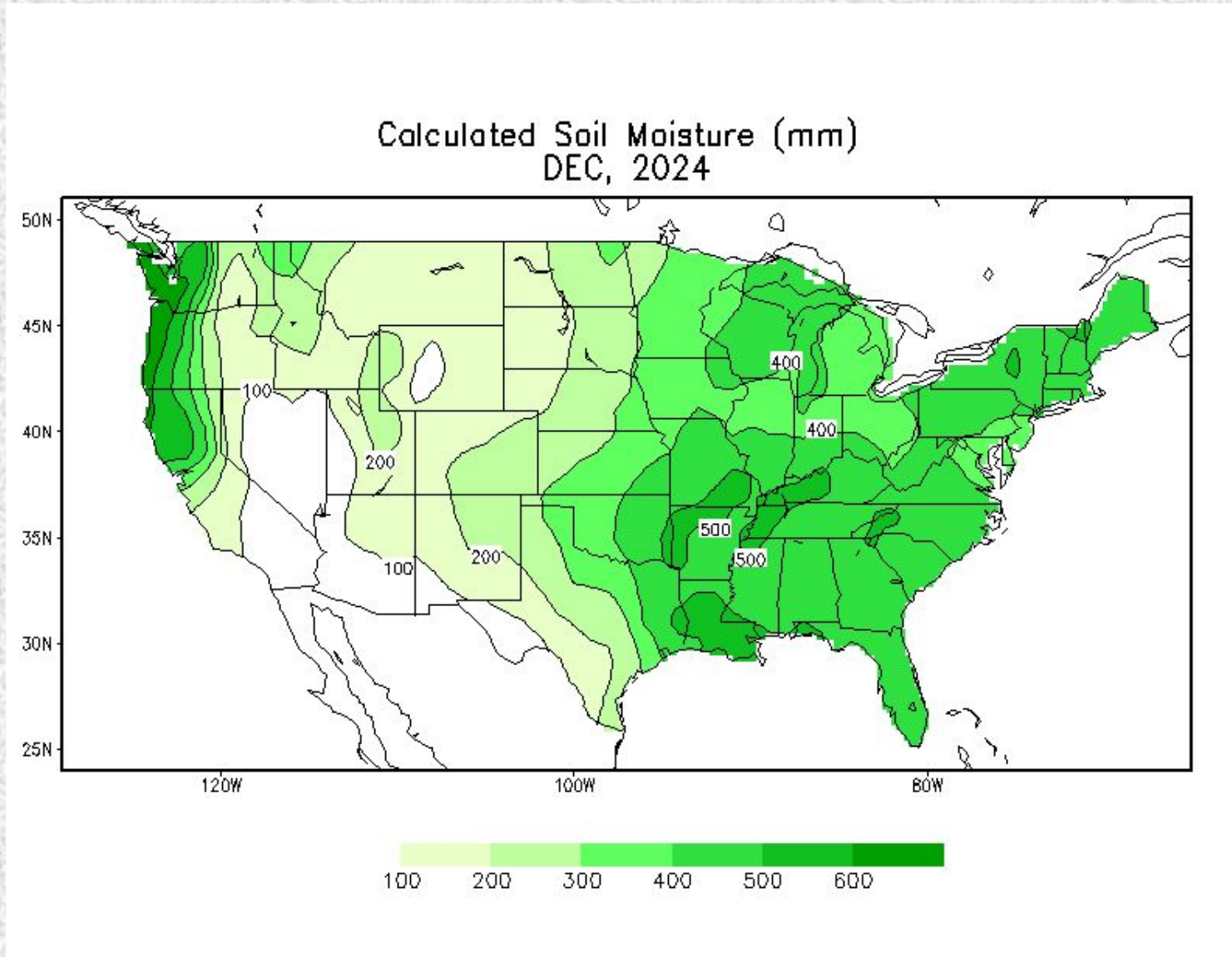
Low	<10	10-24	25-75	76-90	>90	High	No Data	
	Much below normal	Below normal	Normal	Above normal	Much above normal			

Previous Monthly Average Streamflow

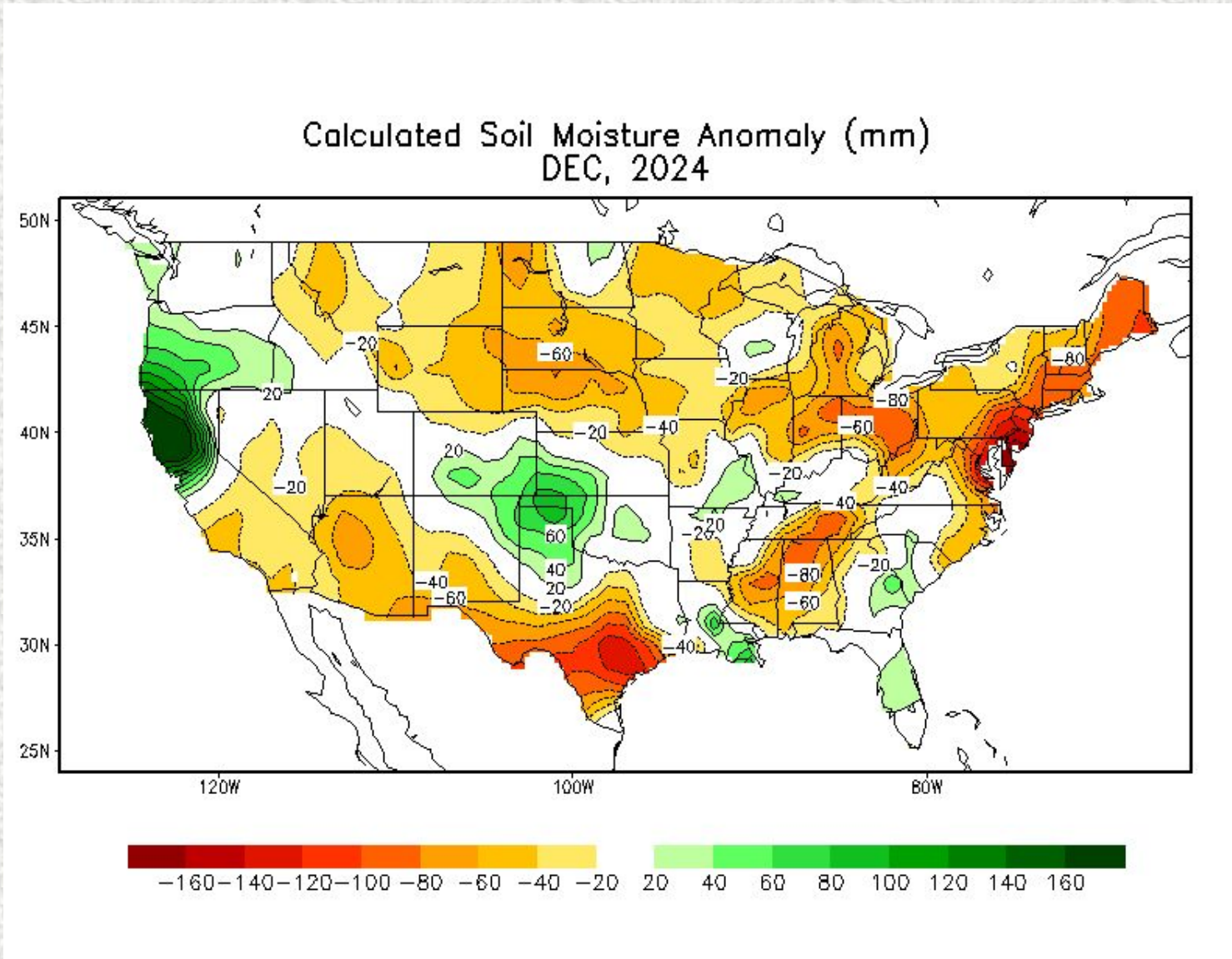
November 2024



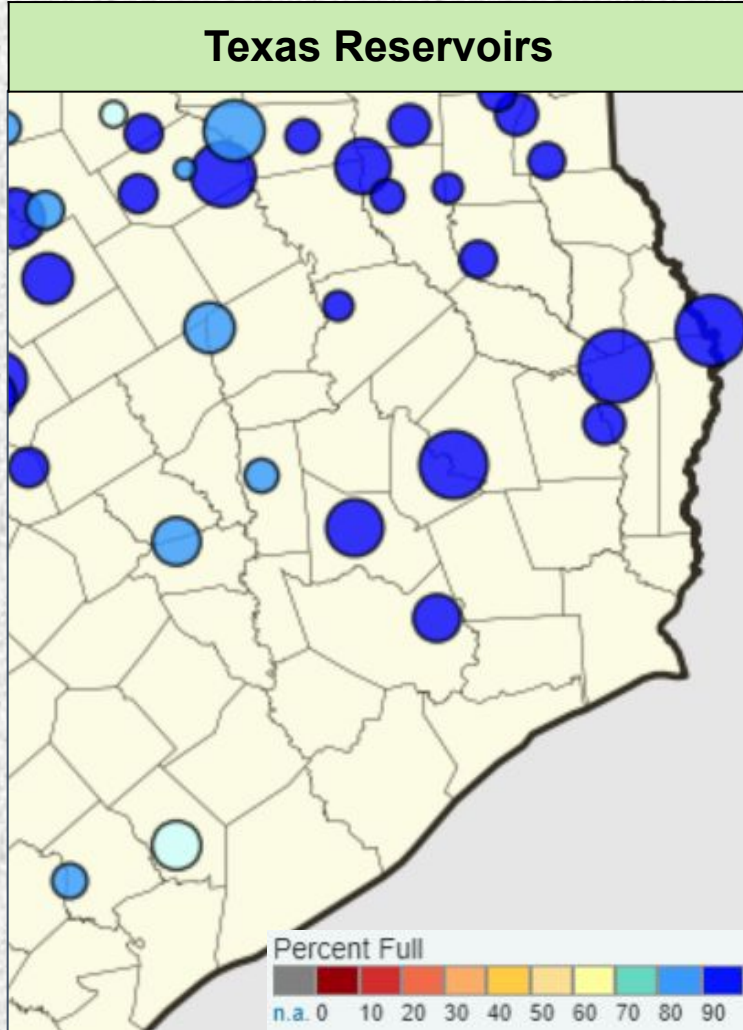
Soil Moisture



Soil Moisture Anomaly



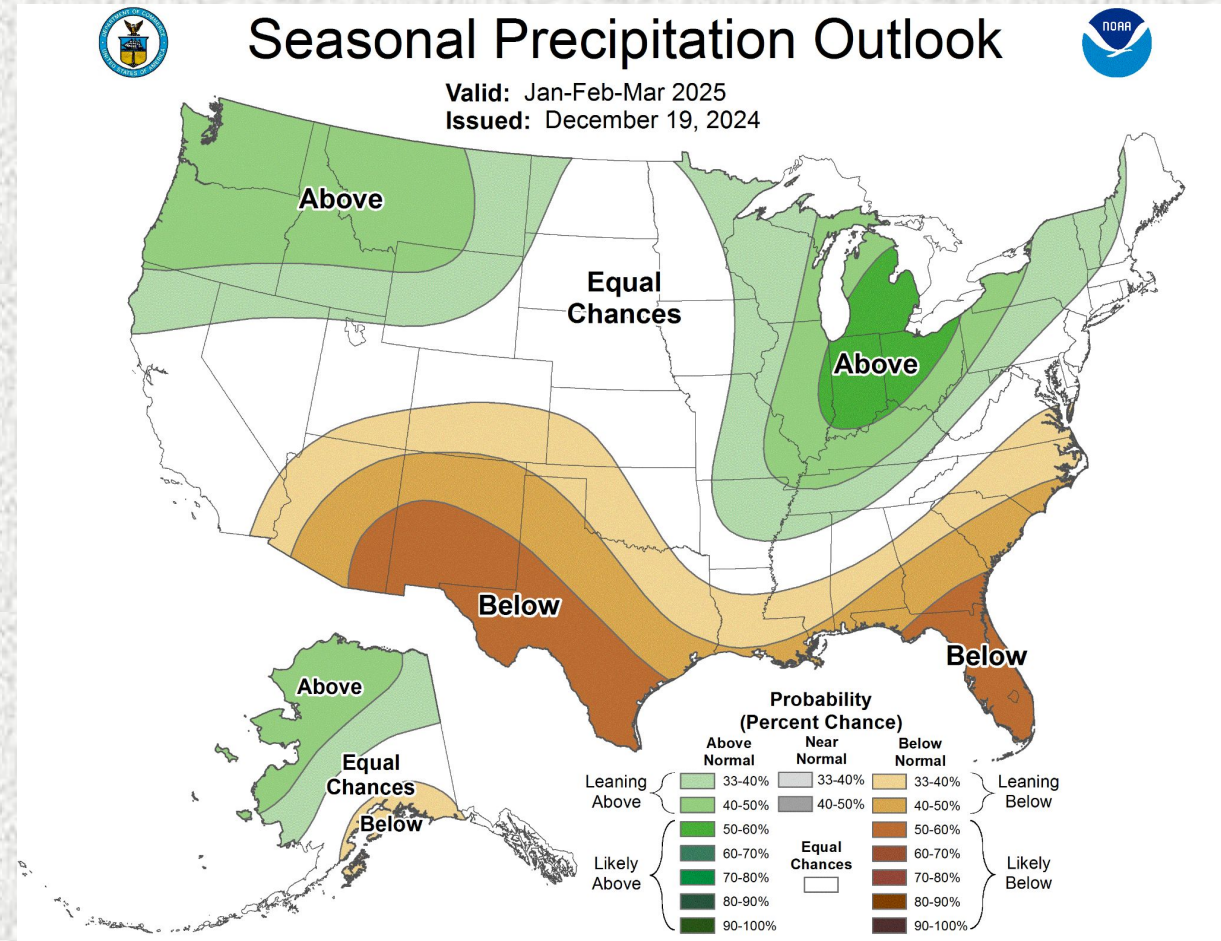
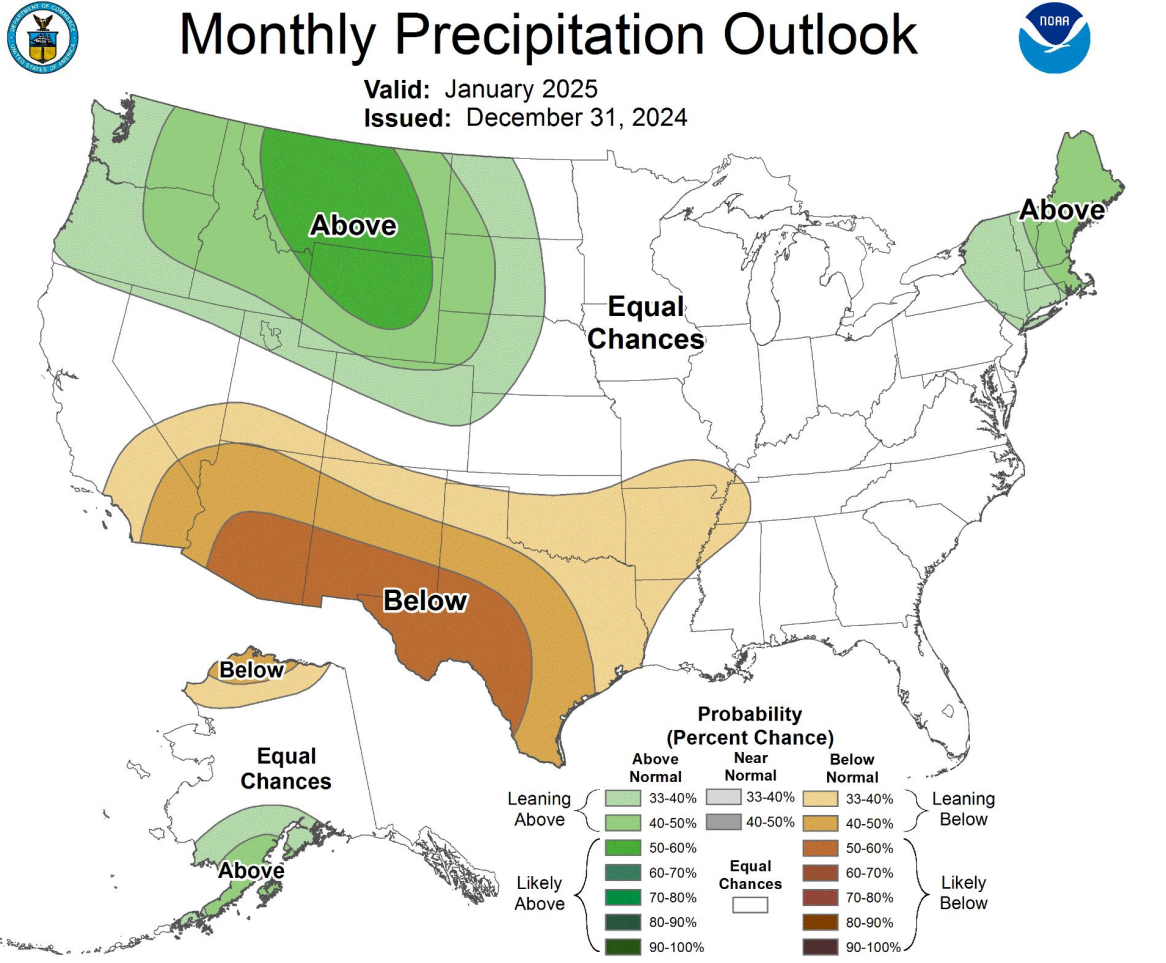
Reservoir Status



Reservoir	Percent Full Conservation Storage
Houston County Lake	100.0%
Lake Livingston	100.0%
Lake Conroe	96.9%
Lake Houston	100.0%
Gibbons Creek Reservoir	81.8%
Lake Somerville	84.2%
Lake Texana	70.2%

Data added on: January 7, 2025 at 8:00 pm CST

Precipitation Outlooks



Flood Products Issued

Product	Number Issued
Flash Flood Watch (FFA)	0
Flash Flood Warning (FFW)	1 (ETN: 072)
Flash Flood Statement (FFS)	1
Areal Flood Warning	0
River Flood Warnings (FLW)	0
River Flood Statements	0
Flood Advisories (FLS)	10 (ETN: 168-177)
Probabilistic Hydrologic Outlook (ESF)	6