

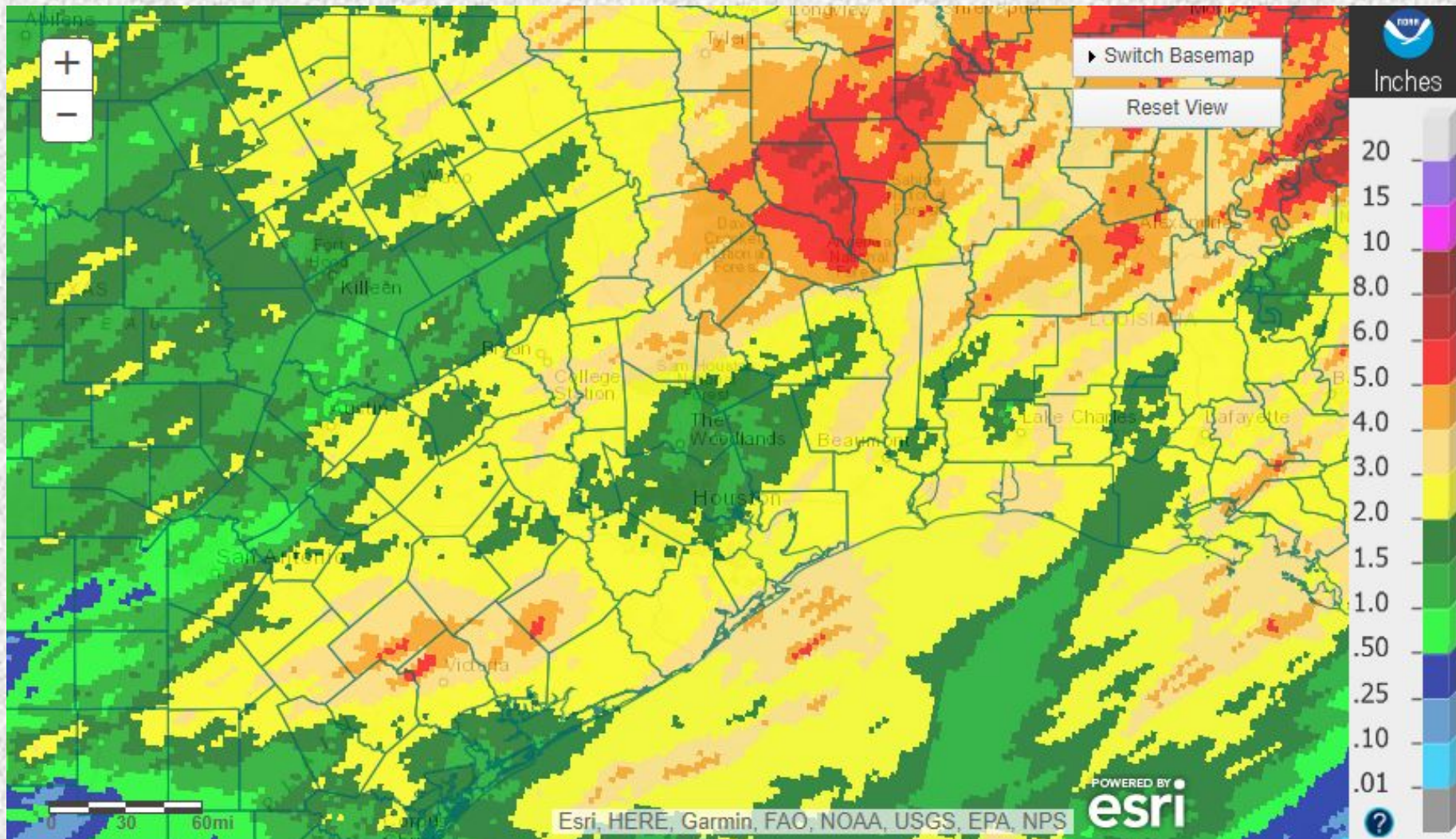
NWS Houston/Galveston Monthly Hydrologic Report February 2024

Produced by: Cameron Batiste

Date: 03/12/2024

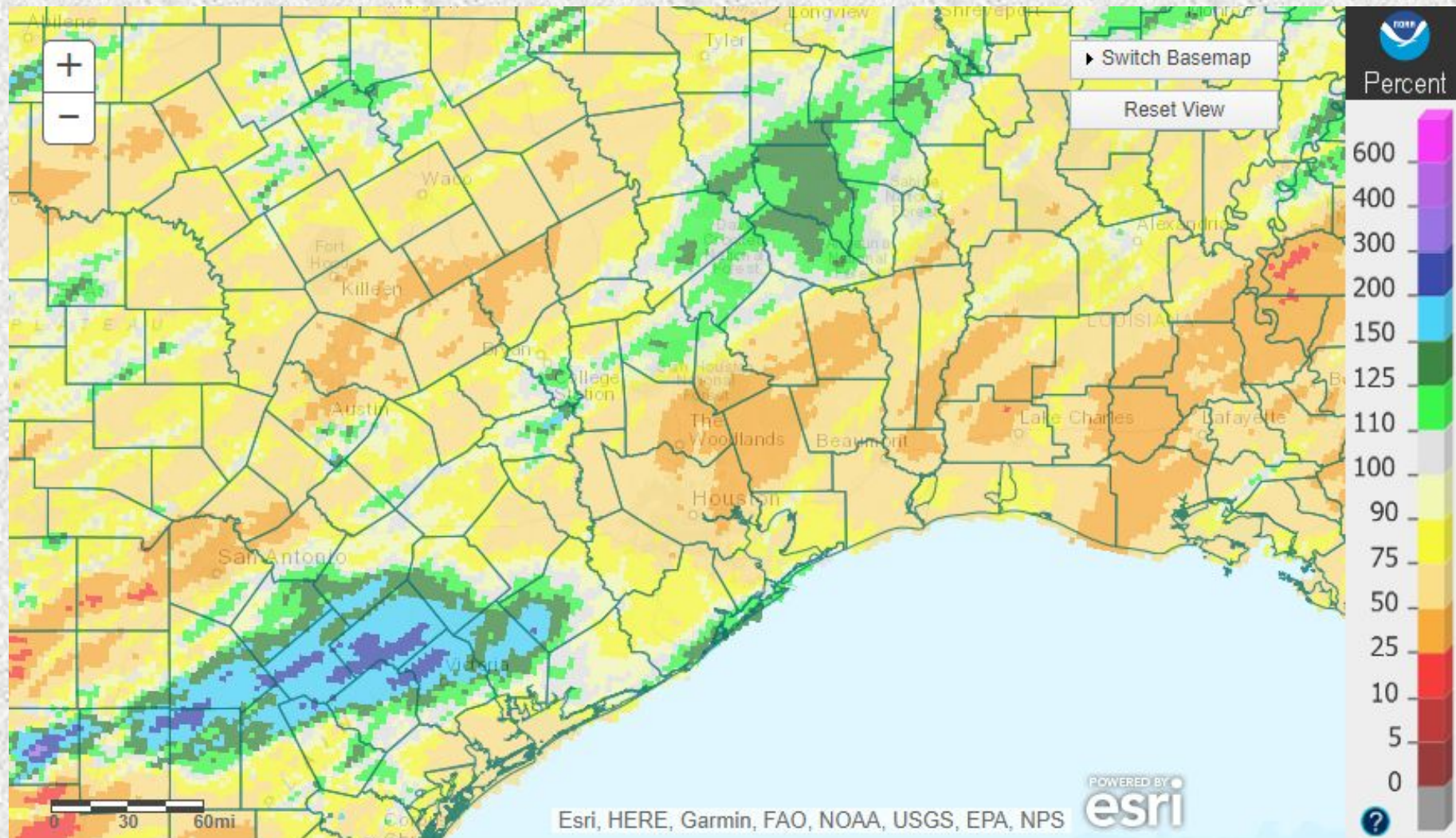
Lingering river flooding from January lasted into early February, but February itself saw additional rounds of rainfall that led to all mentions of drought being gone from Southeast Texas. As a result, soil moisture was well above normal by the end of the month.

Monthly Precipitation



Houston/Galveston, TX: February, 2024 Monthly Observed Precipitation
Valid on: March 01, 2024 12:00 UTC

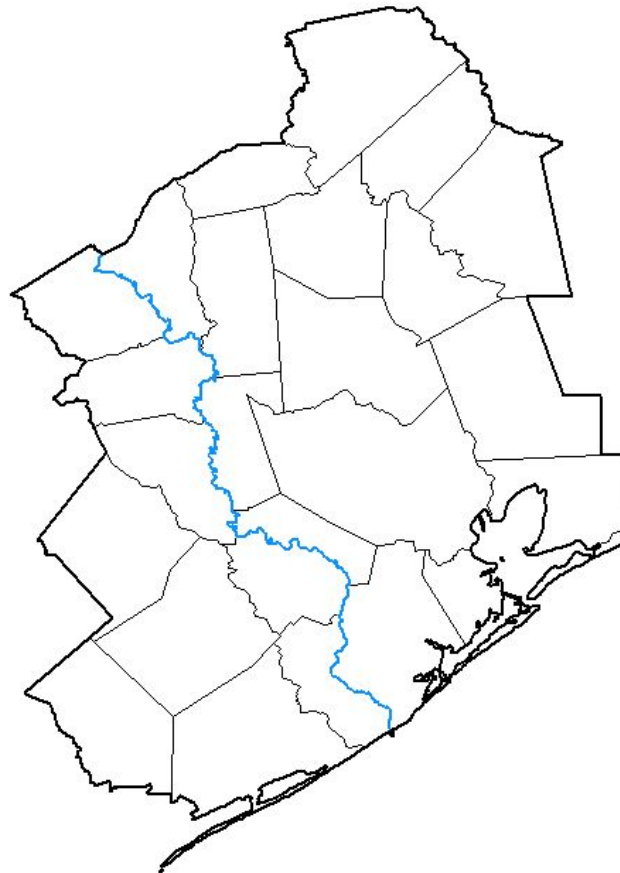
Monthly Percent of Normal Precipitation



Houston/Galveston, TX: February, 2024 Monthly Percent of Normal Precipitation
Valid on: March 01, 2024 12:00 UTC

U.S. Drought Monitor

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



February 27, 2024

(Released Thursday, Feb. 29, 2024)

Valid 7 a.m. EST

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	100.00	0.00	0.00	0.00	0.00	0.00
Last Week <i>02-20-2024</i>	100.00	0.00	0.00	0.00	0.00	0.00
3 Months Ago <i>11-28-2023</i>	13.76	86.24	61.61	5.78	3.31	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>09-26-2023</i>	0.00	100.00	100.00	100.00	99.98	55.82
One Year Ago <i>02-28-2023</i>	69.44	30.56	7.92	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:

Richard Heim
NCEI/NOAA



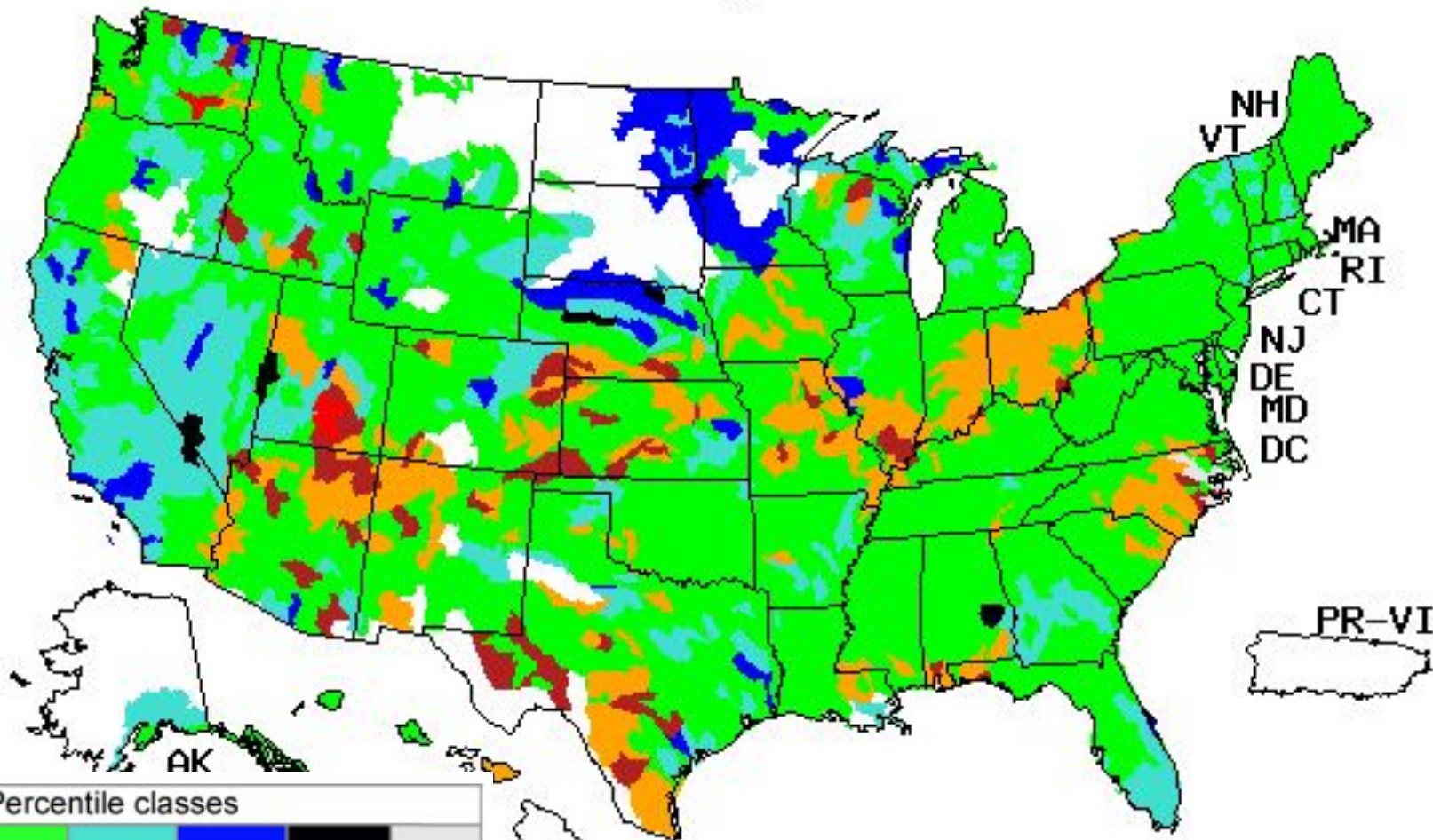
droughtmonitor.unl.edu

River Flooding

River and Station	Flood Stage (feet)	Crest Stage (feet)	Crest Date
Trinity River at Liberty (LBYT2)	26.0	29.88	01/28 23:15Z
Trinity River at Moss Bluff (MBFT2)	12.2	15.25	01/31 04:30Z
		12.20	02/05 00:15Z
Tres Palacios River at Midfield (MTPT2)	24.0	25.75	02/04 05:30Z
San Bernard River at Boling (BOLT2)	18.0	18.00	02/04 06:30Z
Lavaca River at Edna (EDNT2)	21.0	23.09	02/05 11:30Z
Lake Creek Above The Woodlands (FCWT2)	138.0	138.54	02/05 13:15Z

Monthly Average Streamflow

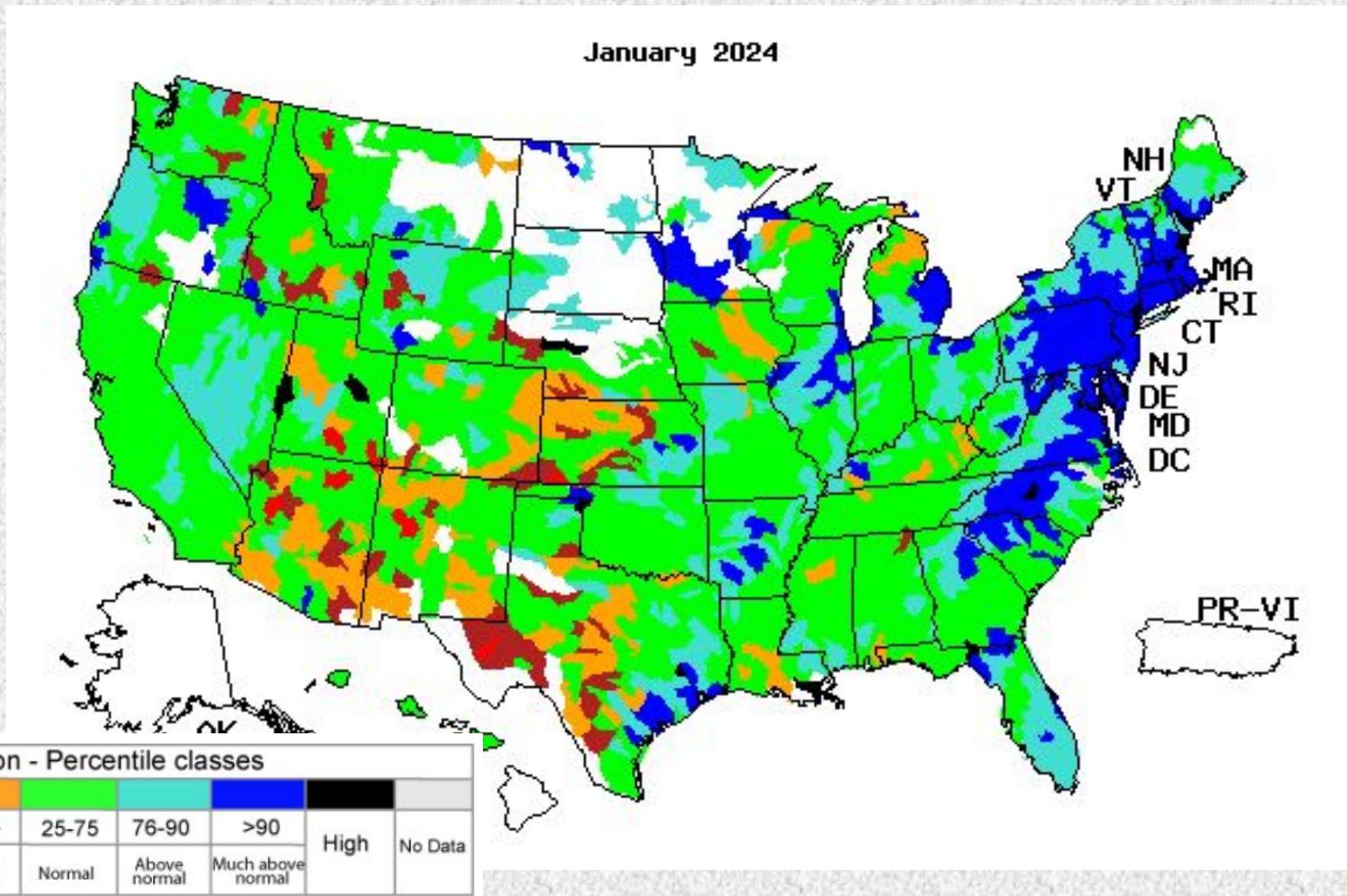
February 2024



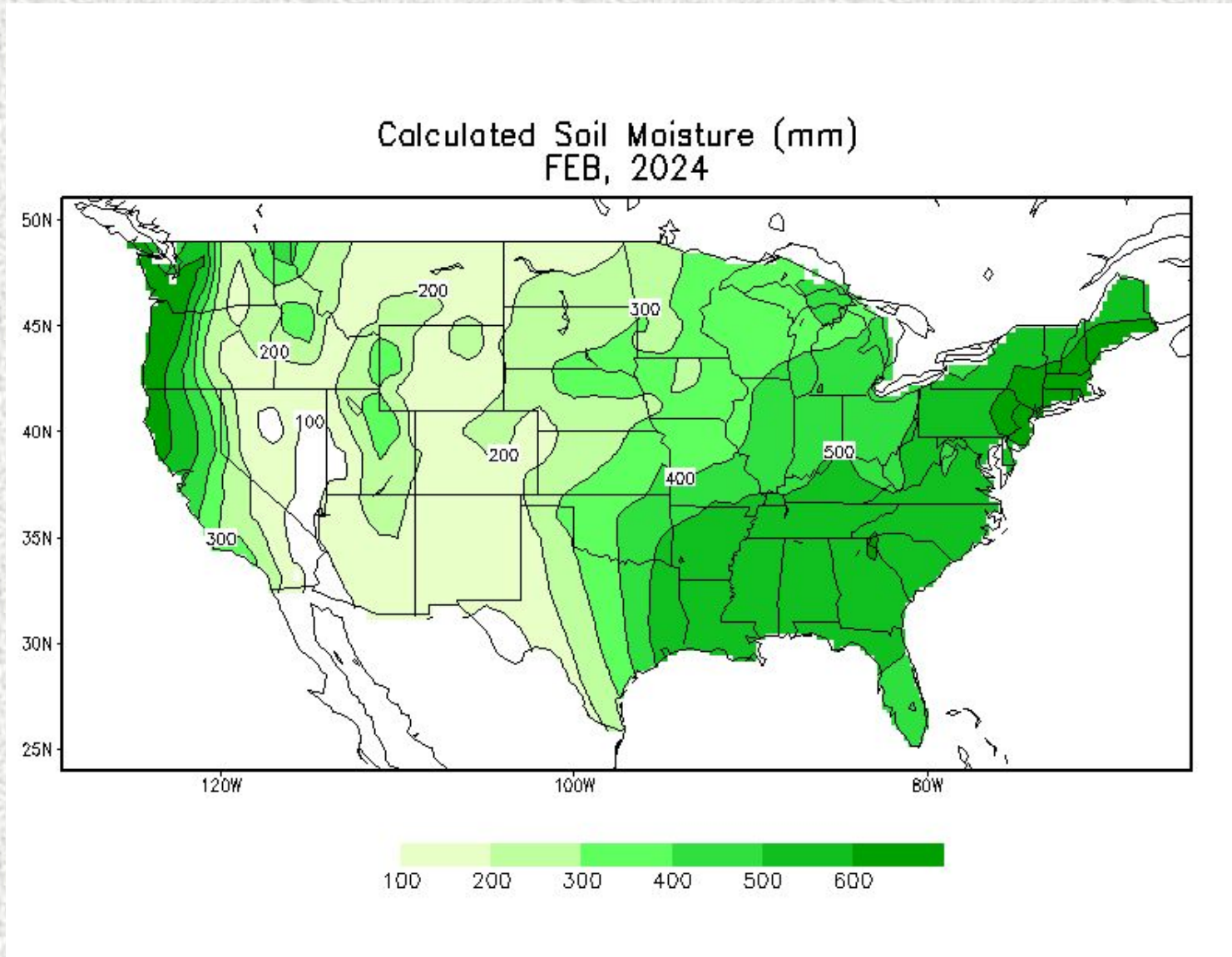
Explanation - Percentile classes

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

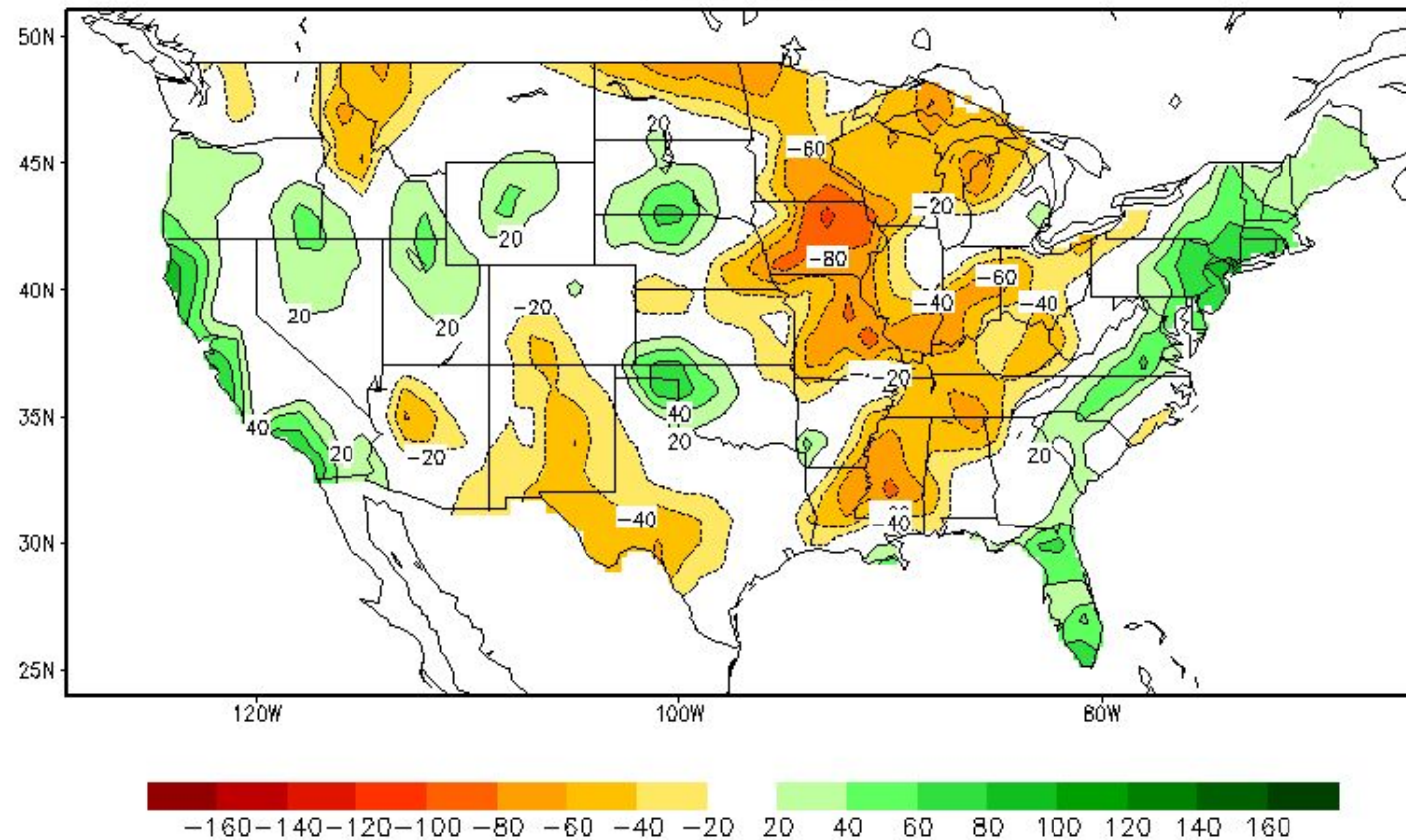


Soil Moisture

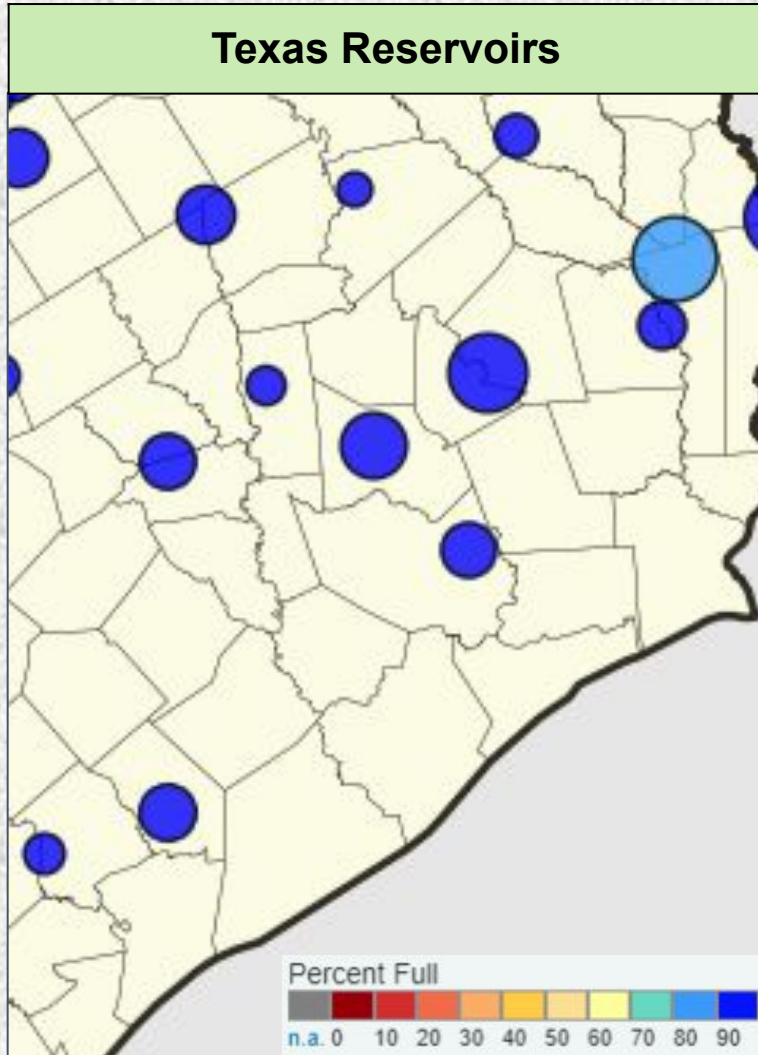


Soil Moisture Anomaly

Calculated Soil Moisture Anomaly (mm)
FEB, 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: March 12, 2024 at 10:00 am CST

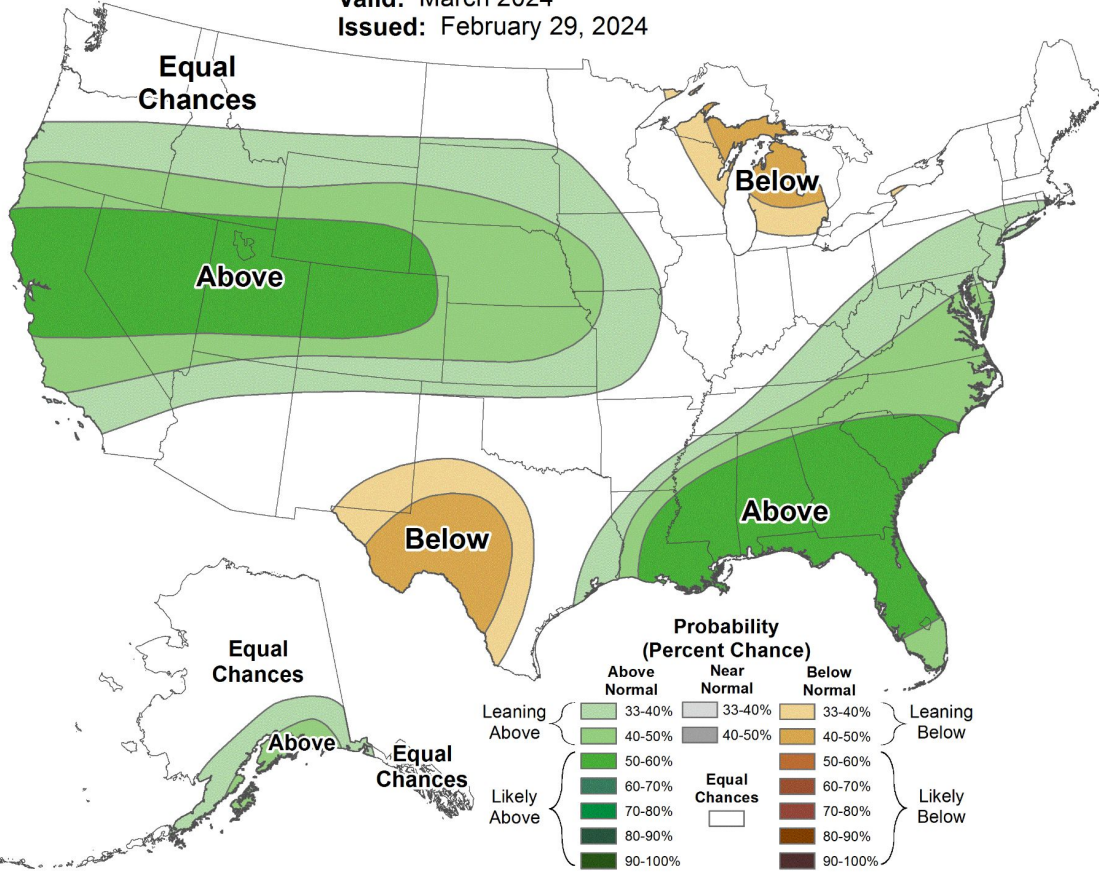
Precipitation Outlooks



Monthly Precipitation Outlook



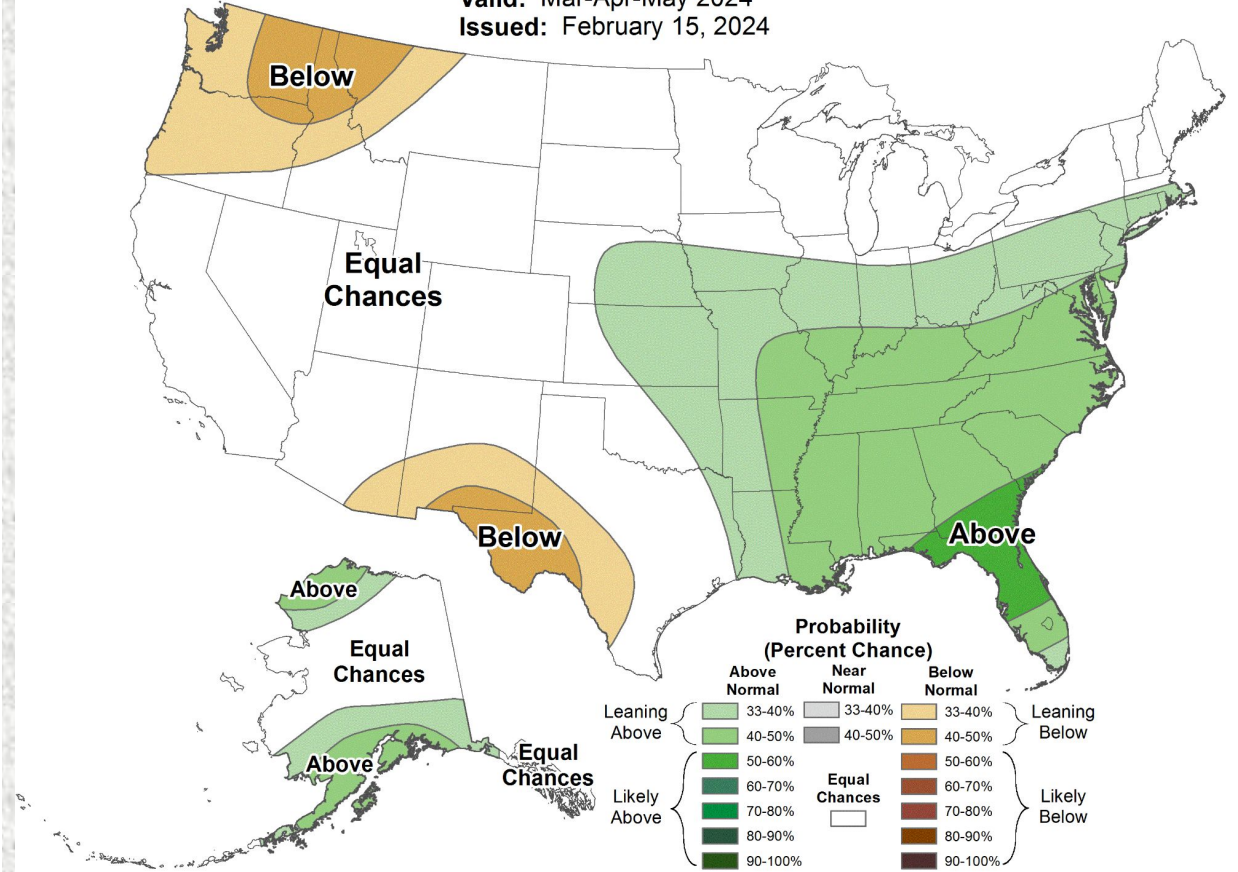
Valid: March 2024
Issued: February 29, 2024



Seasonal Precipitation Outlook



Valid: Mar-Apr-May 2024
Issued: February 15, 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)	4 (ETN: 034-037)
River Flood Statements	21
Flood Advisories (FLS)	1 (ETN: 017)
Probabilistic Hydrologic Outlook (ESF)	6