

NWS Houston/Galveston Monthly Hydrologic Report November 2022

Produced by: Cameron Batiste

Date: 12/06/2022

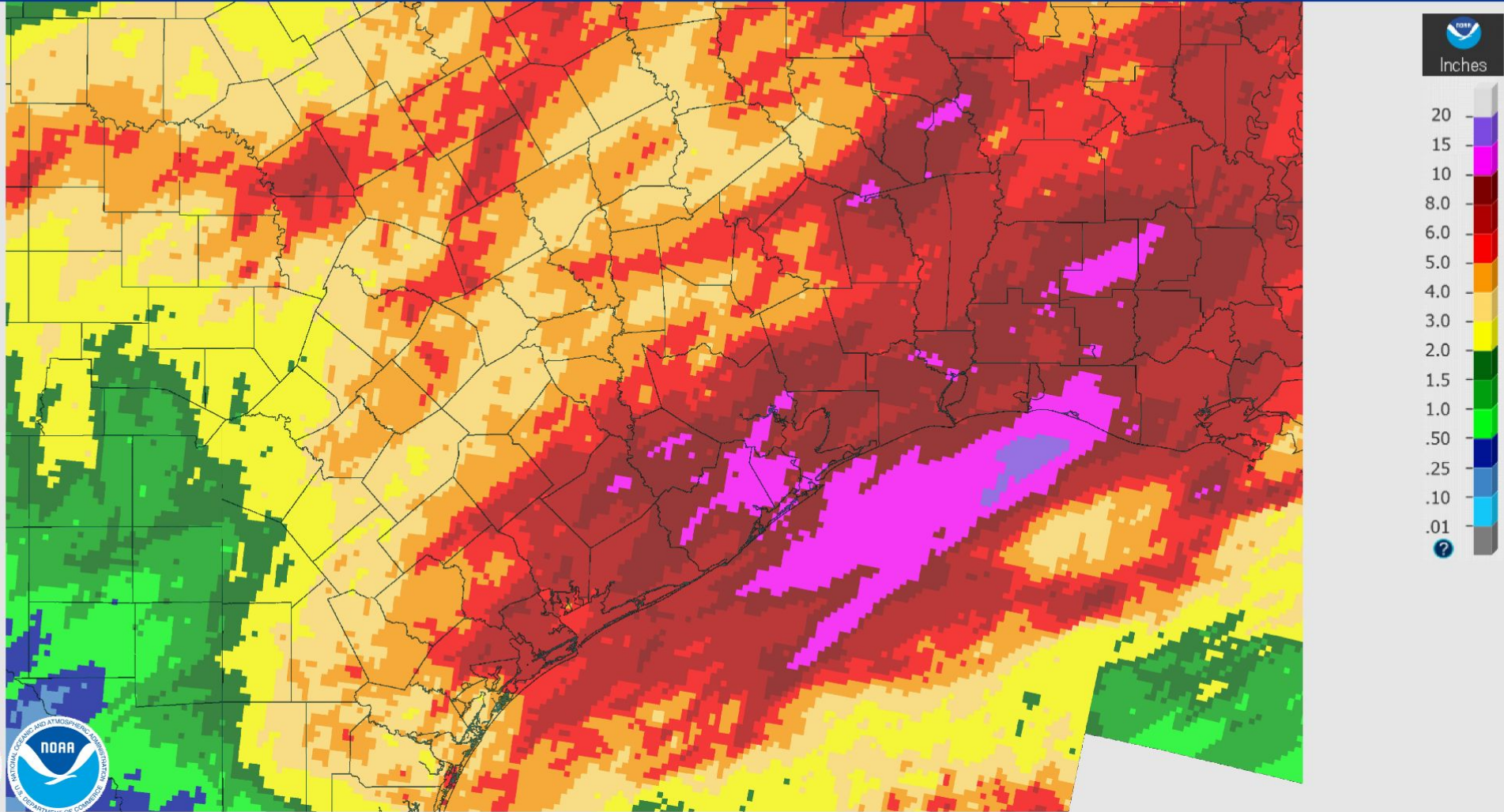
The month of November was highlighted by a substantial rainfall event on the week of Thanksgiving and led to some locations receiving over 10" of rain for the month. As a result of the highest rainfall totals occurring south of the I-10 corridor, coastal counties were removed from the drought monitor to go along with drought improvements across all of Southeast Texas.

Monthly Precipitation

November 01, 2022 Monthly Observed Precipitation

Created on: December 06, 2022 - 14:26 UTC

Valid on: December 01, 2022 12:00 UTC

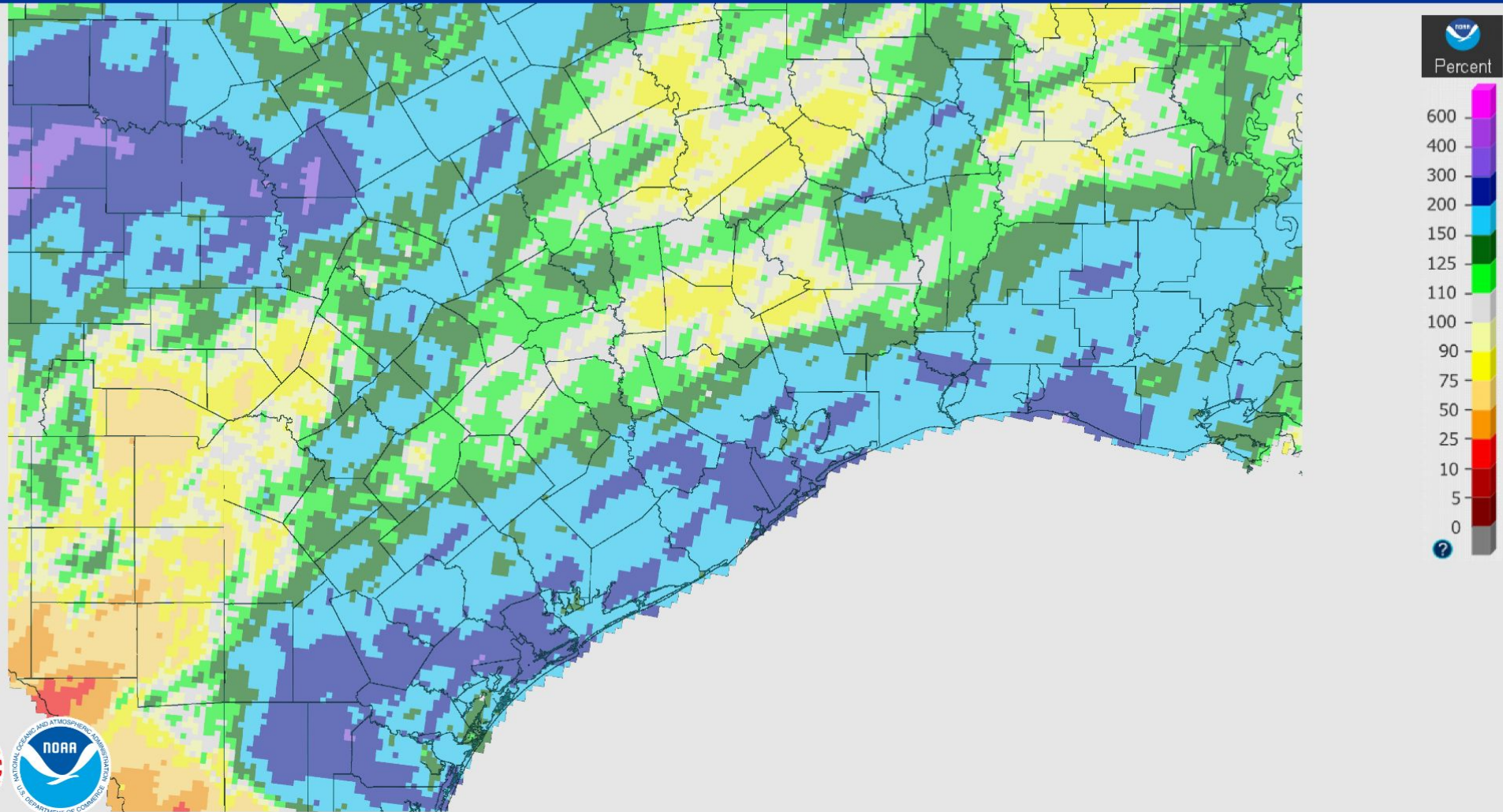


Monthly Percent of Normal Precipitation

November 01, 2022 Monthly Percent Precipitation

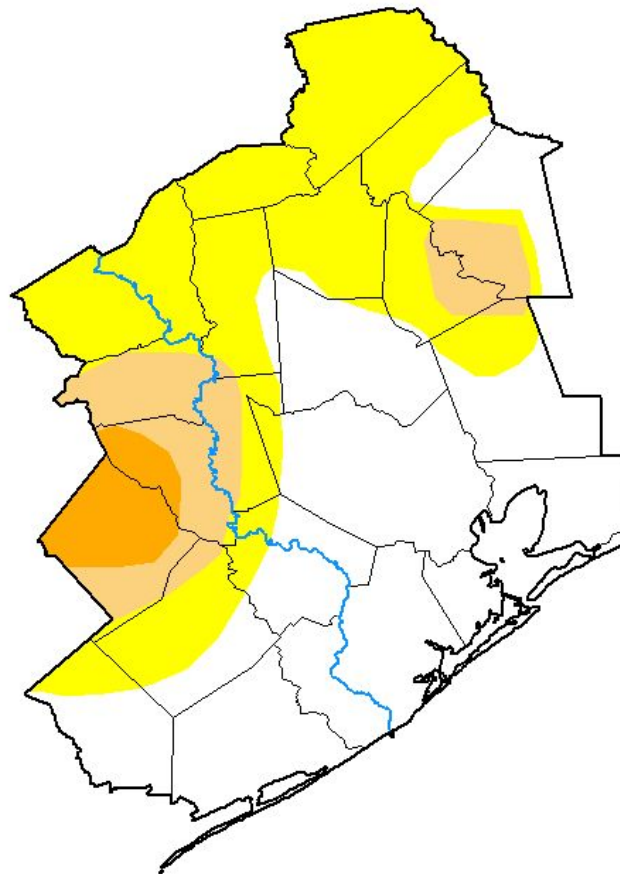
Created on: December 06, 2022 - 14:29 UTC

Valid on: December 01, 2022 12:00 UTC



U.S. Drought Monitor

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



November 29, 2022

(Released Thursday, Dec. 1, 2022)

Valid 7 a.m. EST

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	48.46	51.54	15.32	4.40	0.00	0.00
Last Week 11-22-2022	3.57	96.43	57.06	12.03	4.31	0.00
3 Months Ago 08-30-2022	1.18	98.82	74.24	27.76	8.86	0.00
Start of Calendar Year 01-04-2022	6.94	93.06	46.95	3.61	0.00	0.00
Start of Water Year 09-27-2022	32.19	67.81	21.97	4.76	0.83	0.00
One Year Ago 11-30-2021	77.81	22.19	3.94	0.00	0.00	0.00

Intensity:

None	D2 Severe Drought
D0 Abnormally Dry	D3 Extreme Drought
D1 Moderate 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:

David Simeral
Western Regional Climate Center



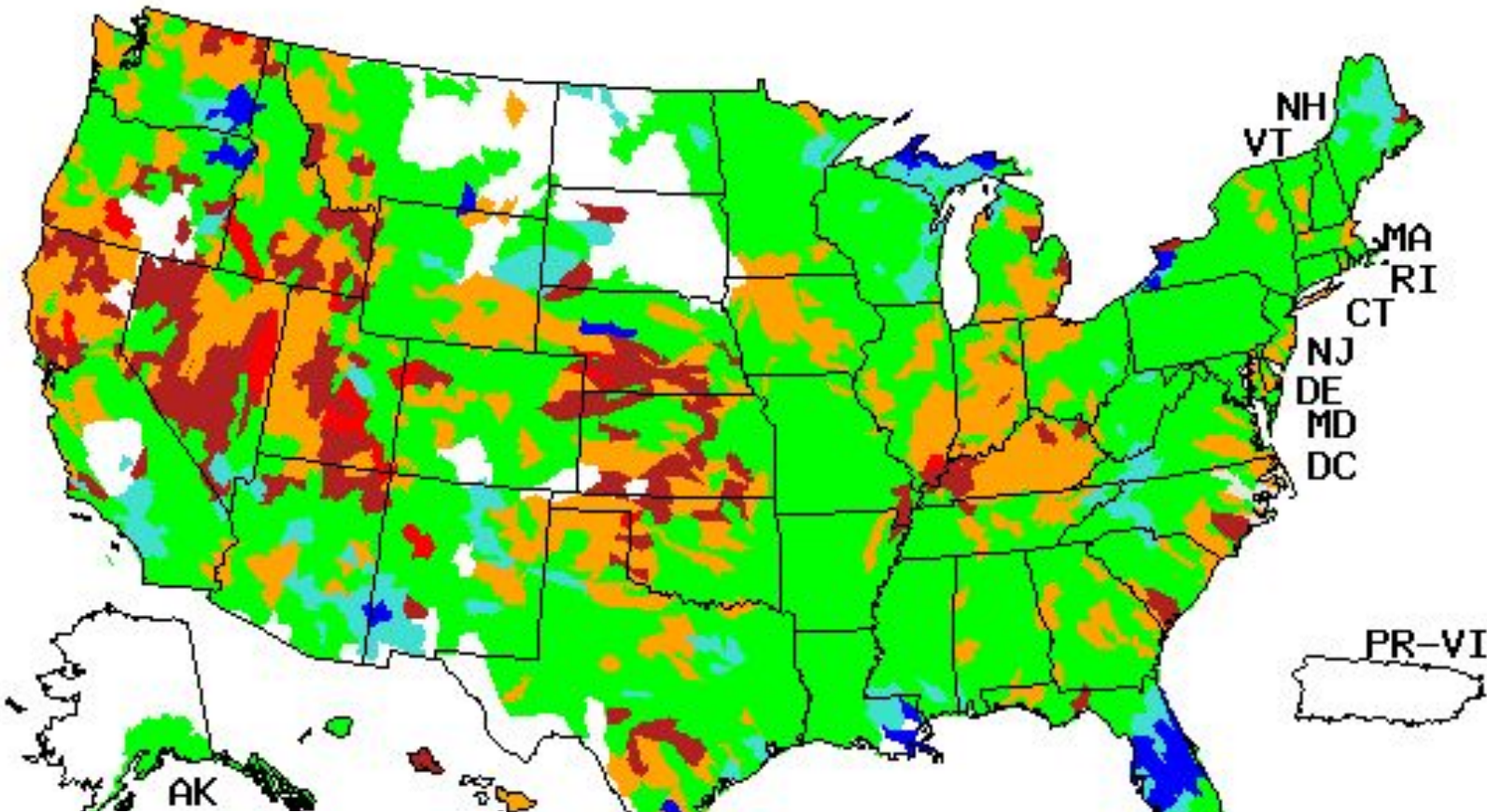
droughtmonitor.unl.edu

River Flooding

River and Station	Flood Stage (feet)	Crest Stage (feet)	Crest Date
San Bernard River near Boling (BOLT2)	18.0	18.80	Nov 25th (11:15 AM CST)
		21.66	Nov 26th (8:45 PM CST)
San Bernard River near Sweeny/Old Ocean (OCNT2)	7.0	8.62	Nov 27th (4:00 AM CST)
Tres Palacios River near Midfield (MTPT2)	24.0	26.82	Nov 26th (5:30 PM CST)

Monthly Average Streamflow

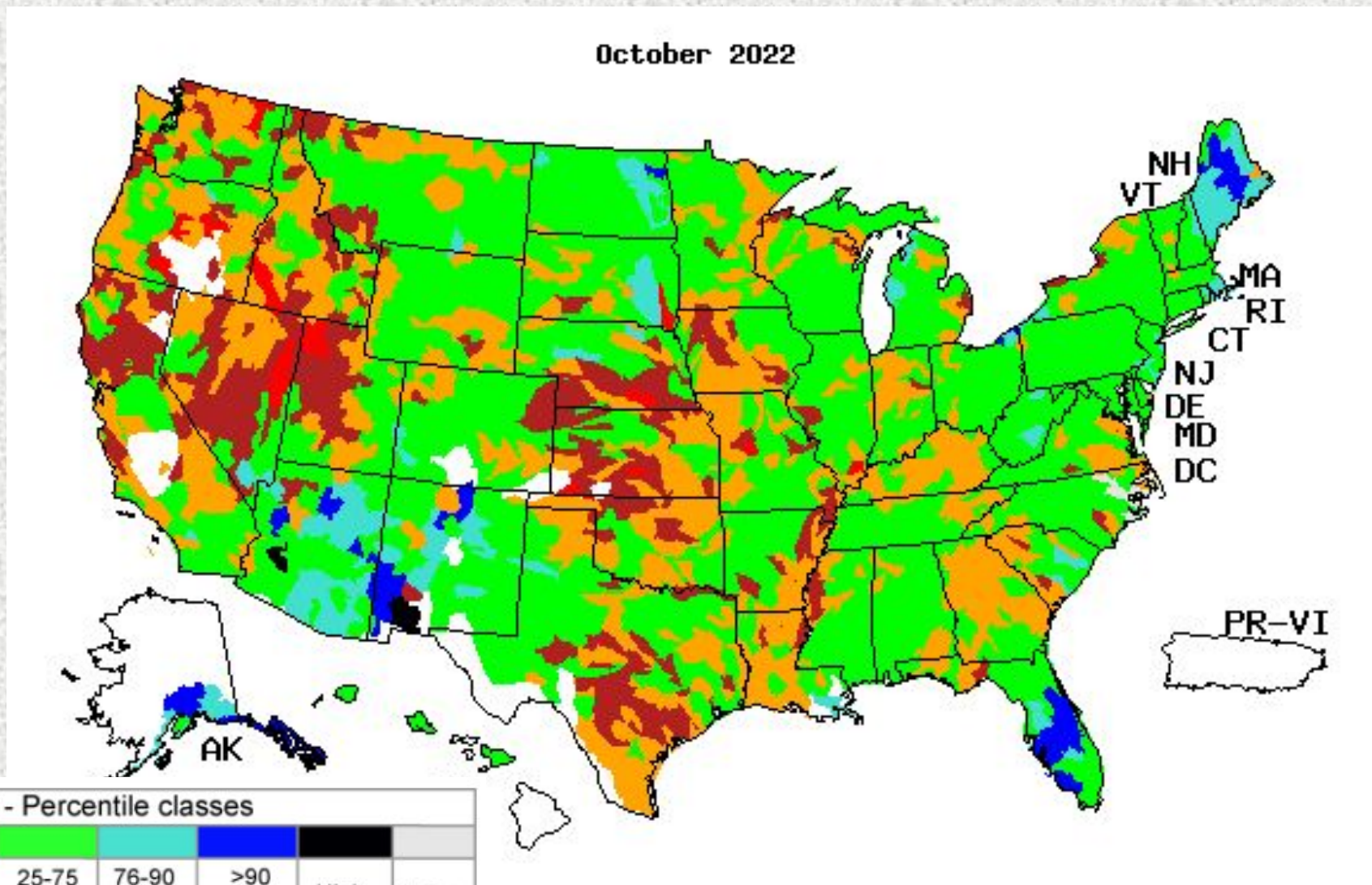
November 2022



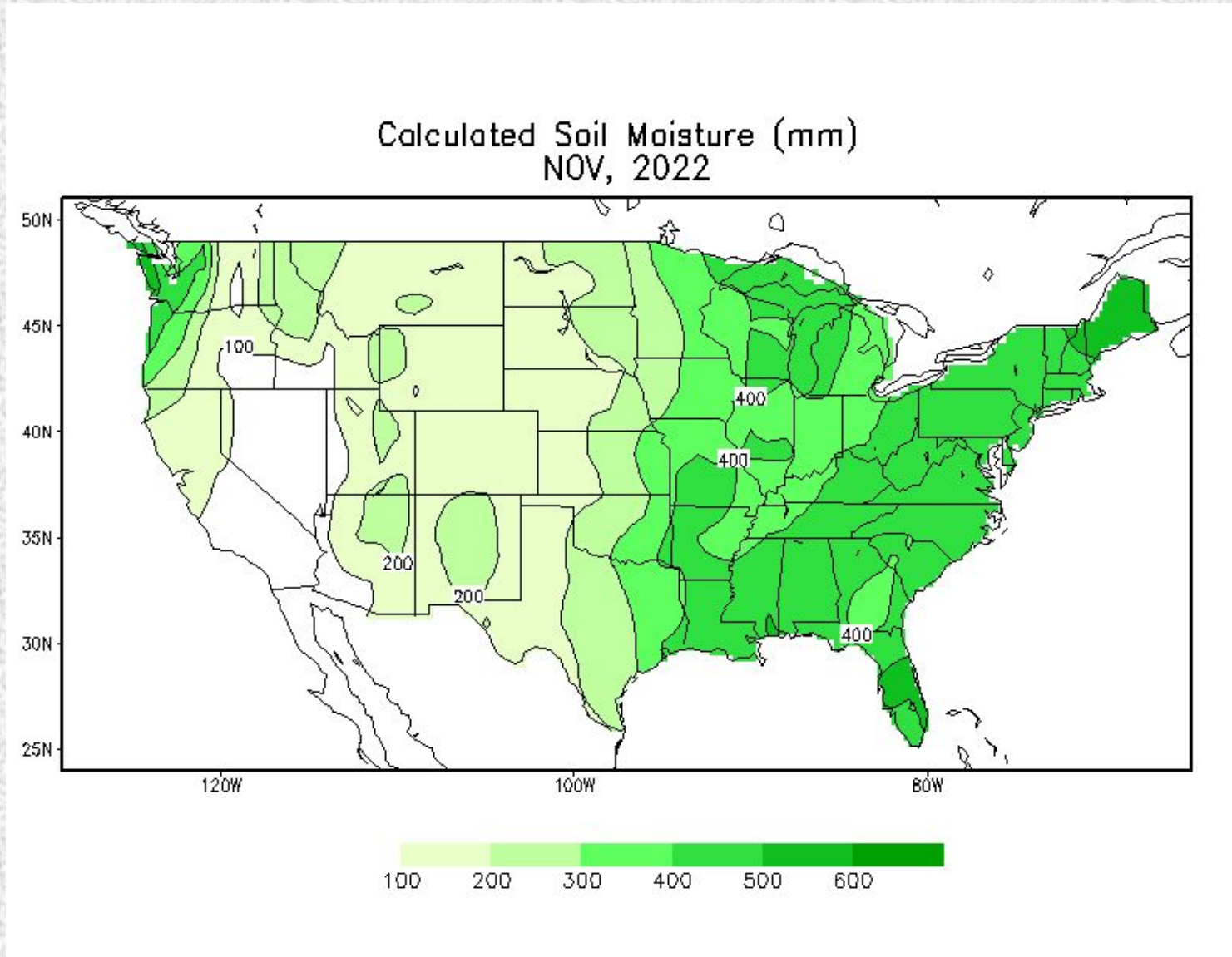
Explanation - Percentile classes

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

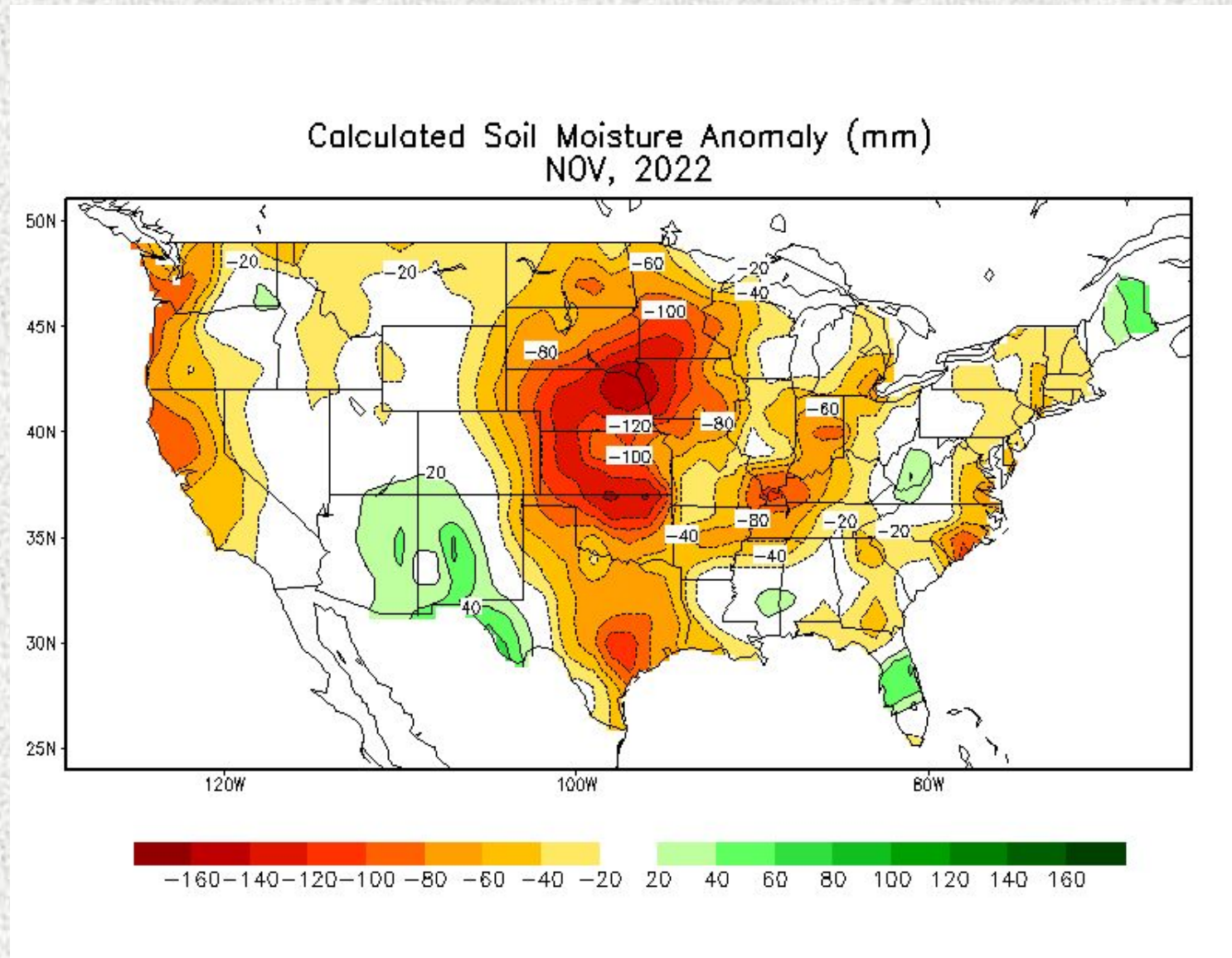
Previous Monthly Average Streamflow



Soil Moisture



Soil Moisture Anomaly



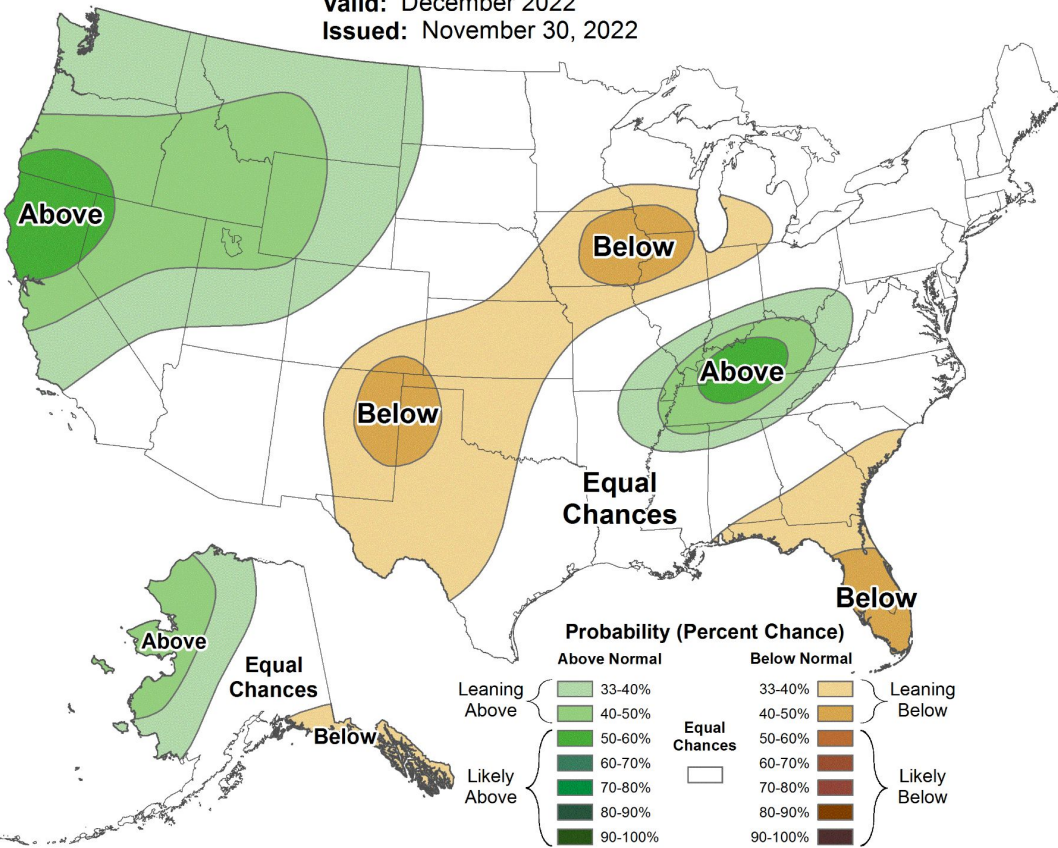
Precipitation Outlooks



Monthly Precipitation Outlook



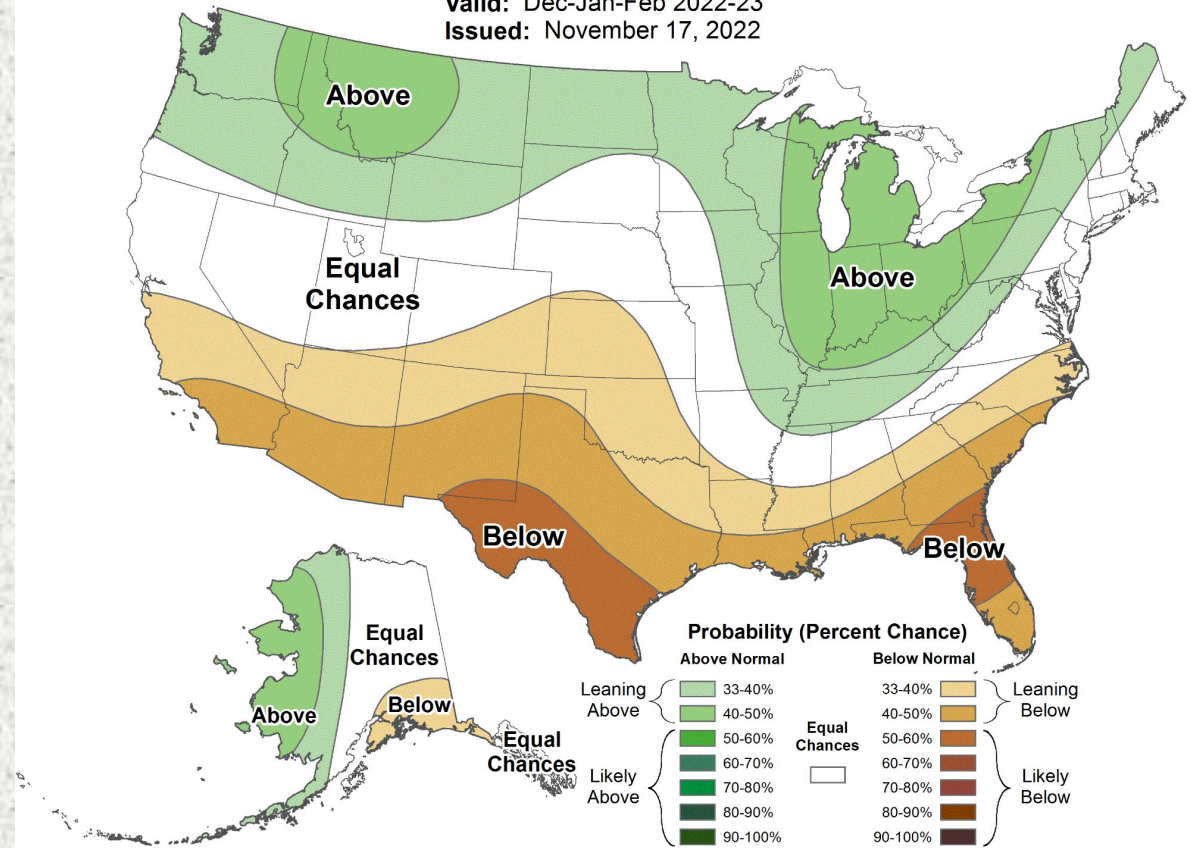
Valid: December 2022
Issued: November 30, 2022



Seasonal Precipitation Outlook



Valid: Dec-Jan-Feb 2022-23
Issued: November 17, 2022



Flood Products Issued

Product	Number Issued
Flash Flood Watch (FFA)	1 (ETN: 005)
Flash Flood Warning (FFW)	1 (ETN: 013)
Flash Flood Statement (FFS)	0
Areal Flood Warning	1 (ETN: 006)
River Flood Warnings (FLW)	3 (ETN: 007-009)
River Flood Statements	10
Flood Advisories (FLS)	4 (ETN: 081-084)
Probabilistic Hydrologic Outlook (ESF)	6