

NWS Houston/Galveston Monthly Hydrologic Report August 2022

Produced by: Cameron Batiste

Date: 9/6/2022

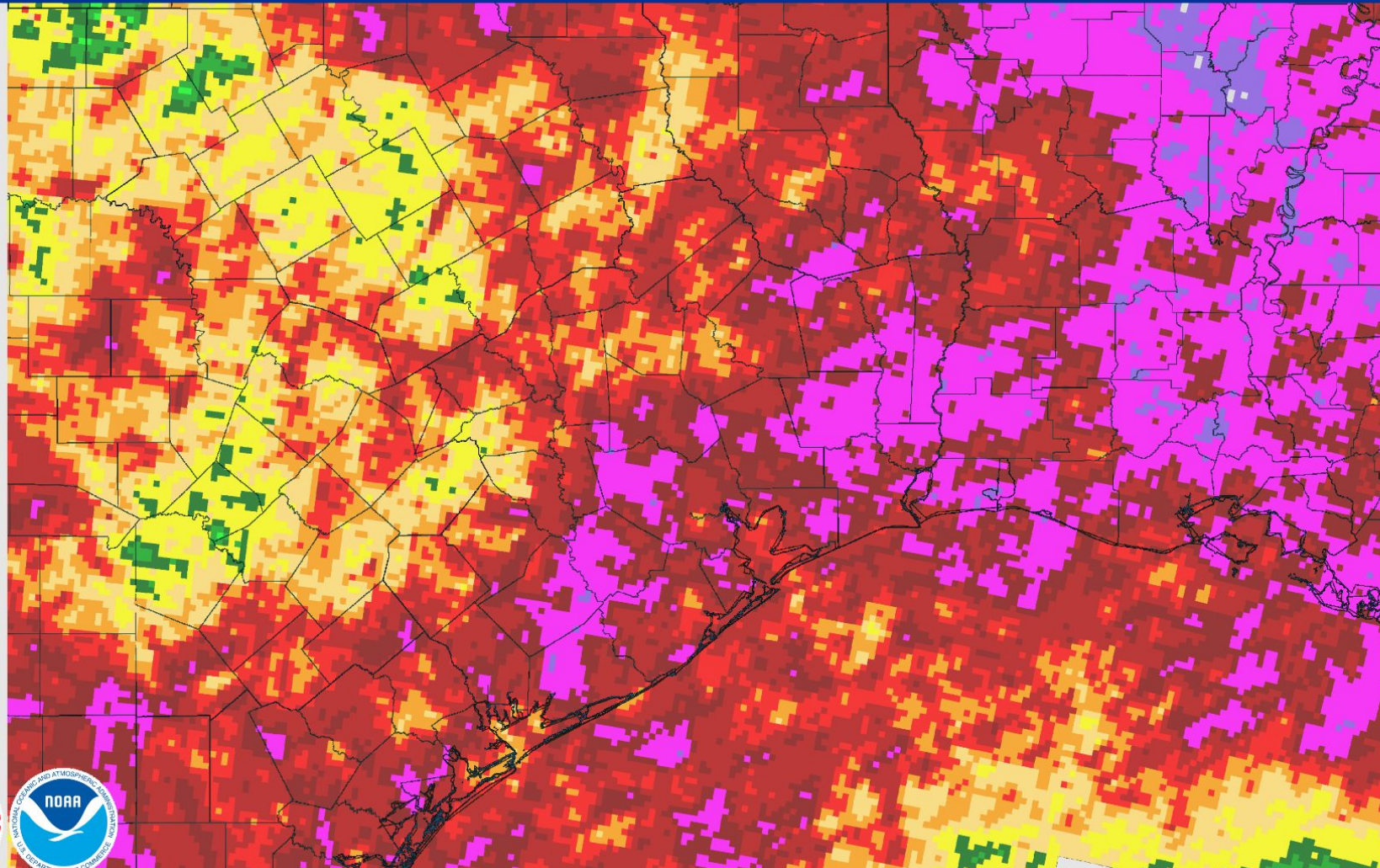
The month of August as a whole was vastly different from the previous two months where dryness and above normal heat constantly added onto the persisting drought. Plentiful rainfall throughout the month, especially towards the end of the month, provided much needed drought alleviation across Southeast Texas. Over 60 flood advisories were issued throughout the month, with the overwhelming majority occurring in the latter half of the month.

Monthly Precipitation

August 01, 2022 Monthly Observed Precipitation

Created on: September 06, 2022 - 14:14 UTC

Valid on: September 01, 2022 12:00 UTC

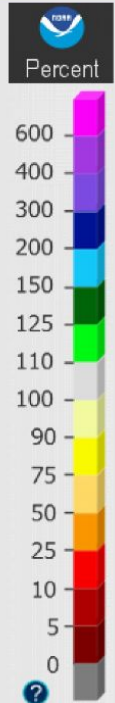
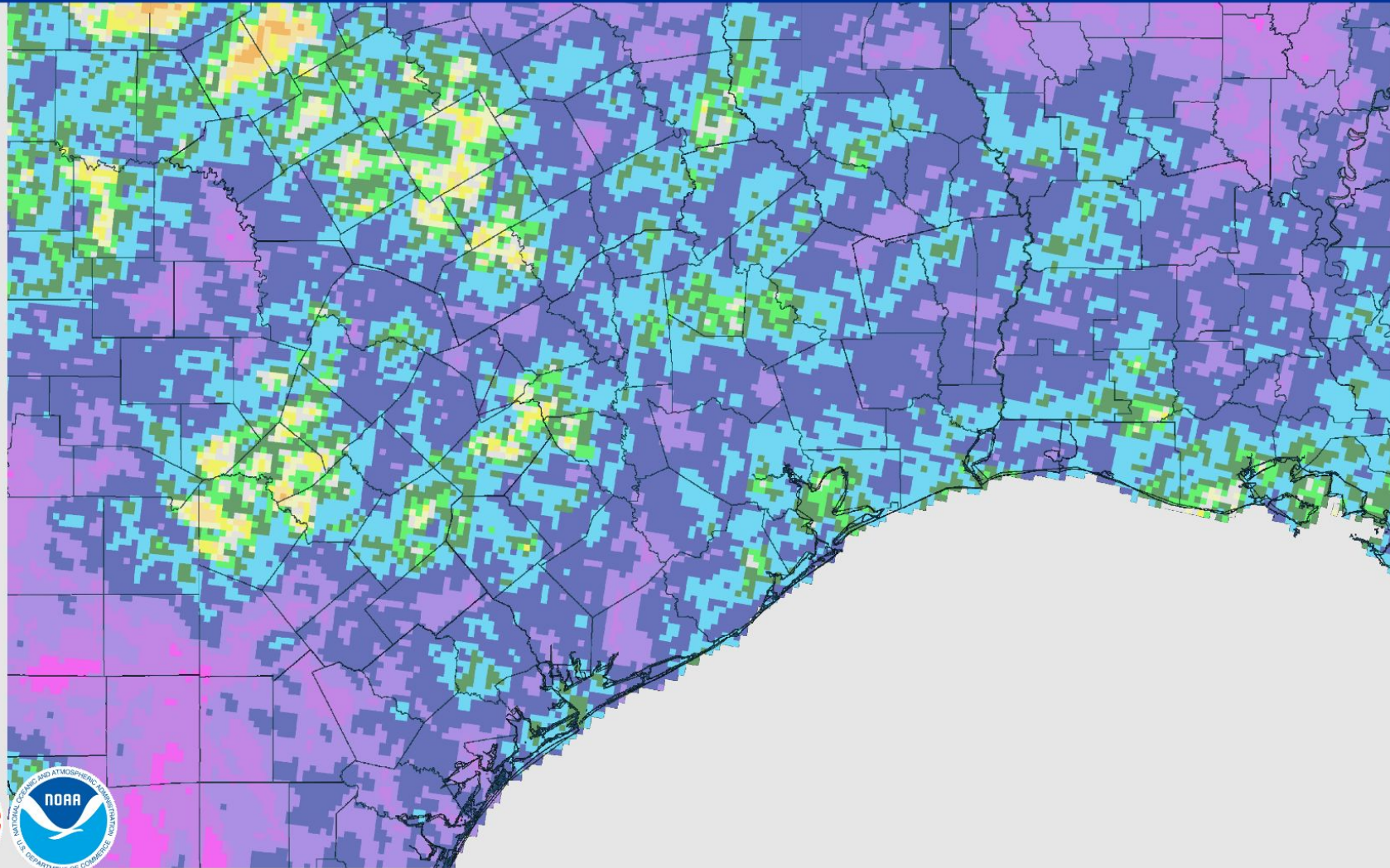


Monthly Percent of Normal Precipitation

August 01, 2022 Monthly Percent Precipitation

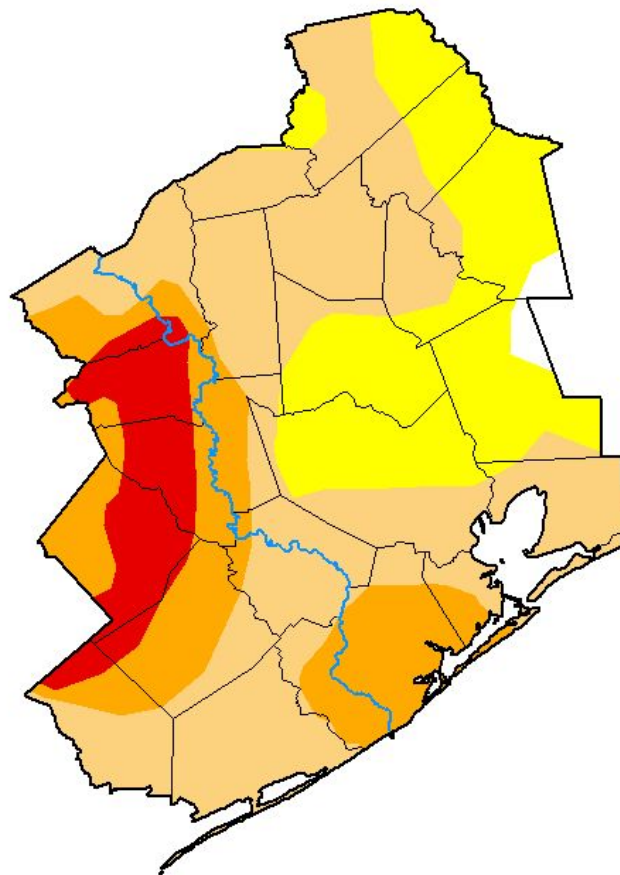
Created on: September 06, 2022 - 14:17 UTC

Valid on: September 01, 2022 12:00 UTC



U.S. Drought Monitor

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



August 30, 2022
(Released Thursday, Sep. 1, 2022)
Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	1.18	98.82	74.24	27.76	8.86	0.00
Last Week 08-23-2022	0.00	100.00	99.18	79.90	25.73	7.82
3 Months Ago 05-31-2022	35.57	64.43	45.94	29.97	5.45	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 09-28-2021	57.82	42.18	0.00	0.00	0.00	0.00
One Year Ago 08-31-2021	100.00	0.00	0.00	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>

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National Drought Mitigation Center



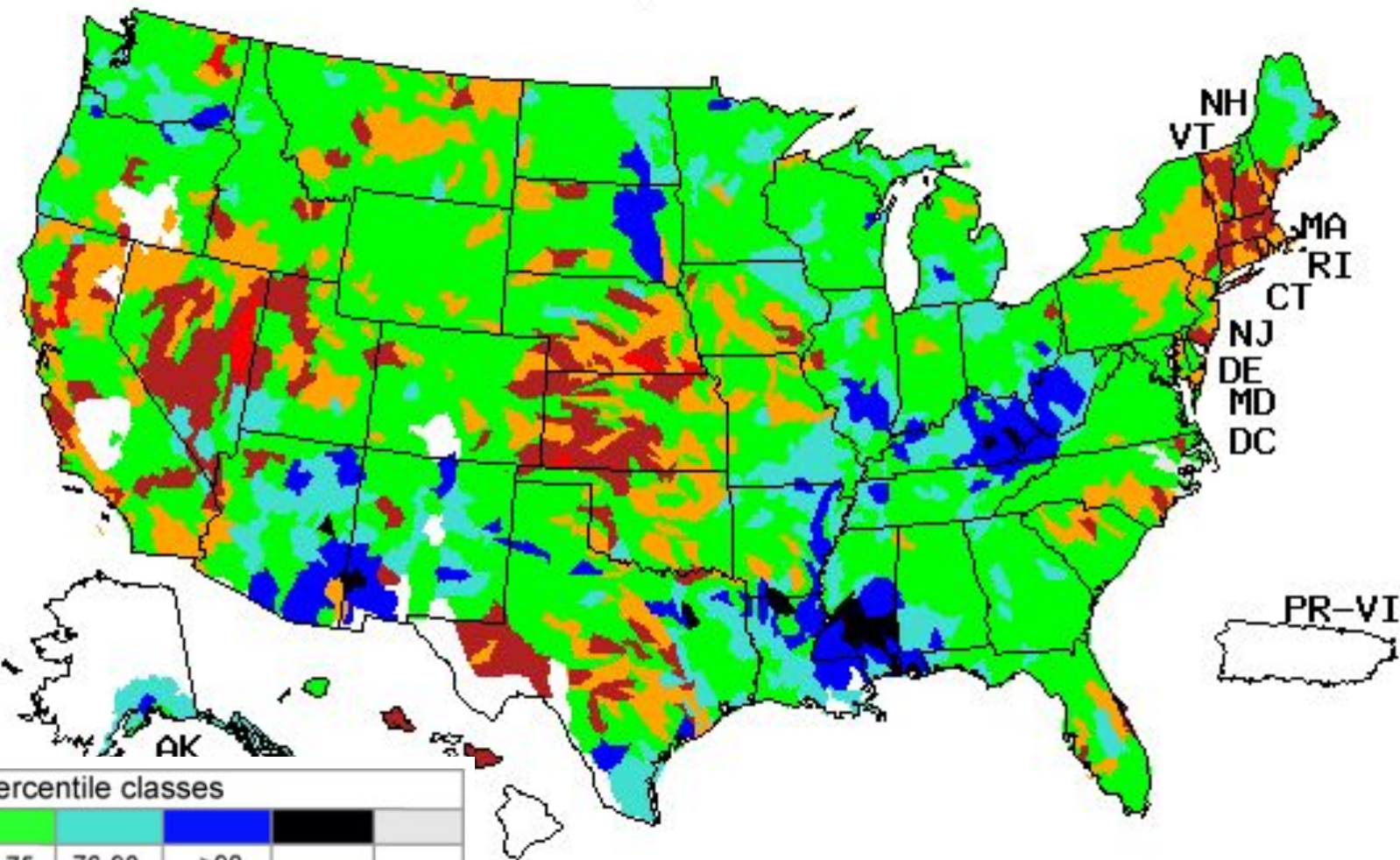
droughtmonitor.unl.edu

River Flooding

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

Monthly Average Streamflow

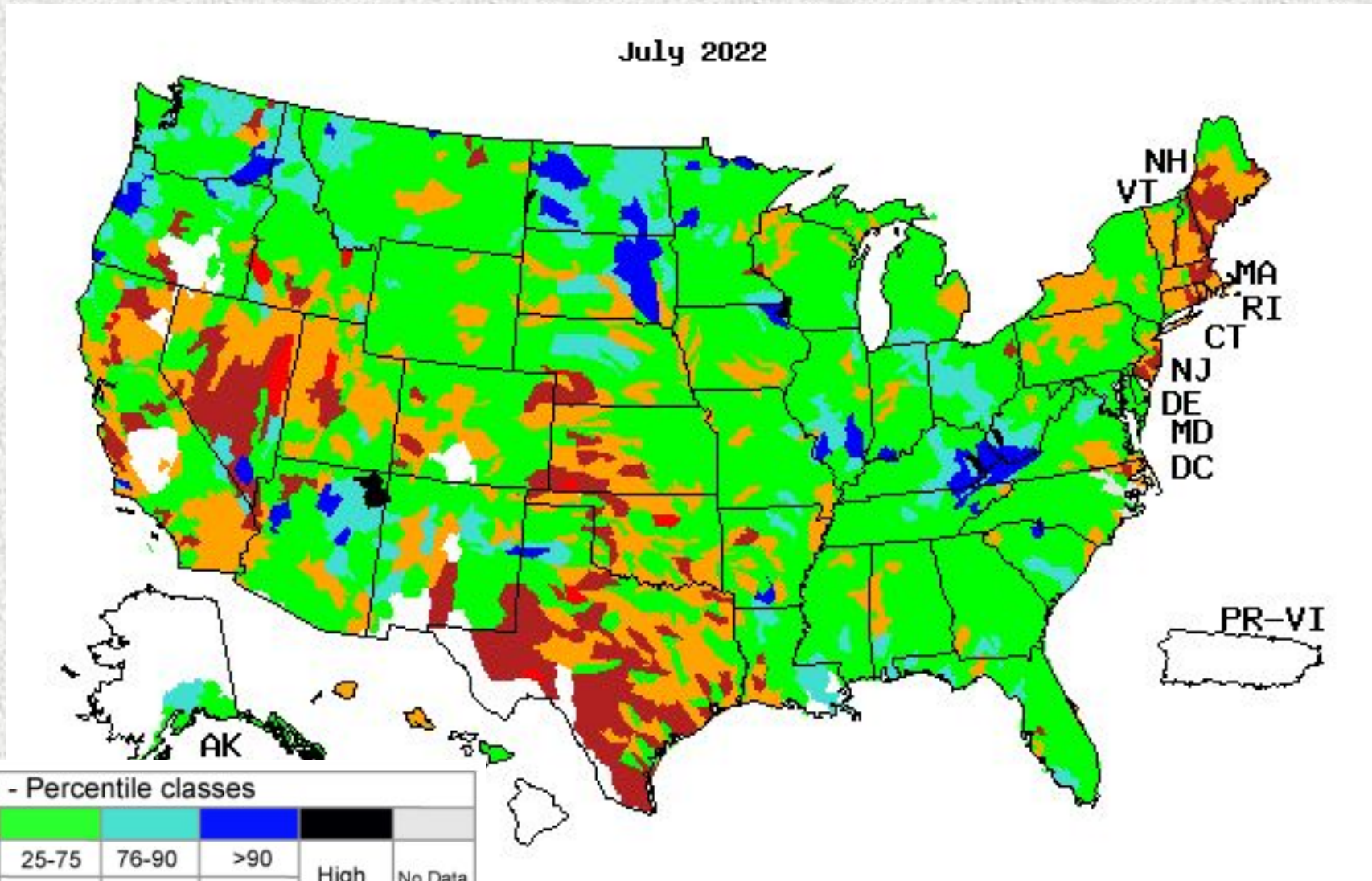
August 2022



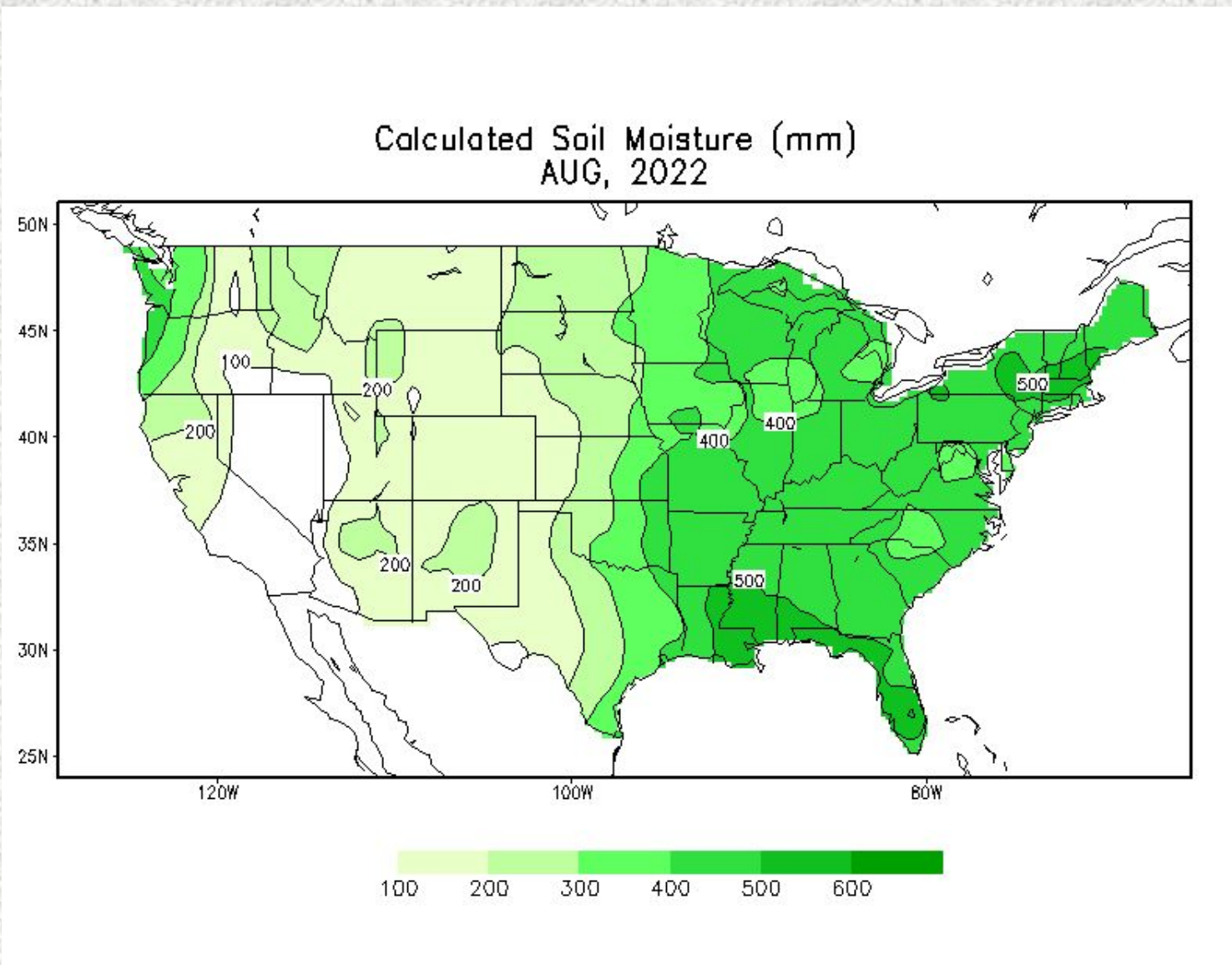
Explanation - Percentile classes

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

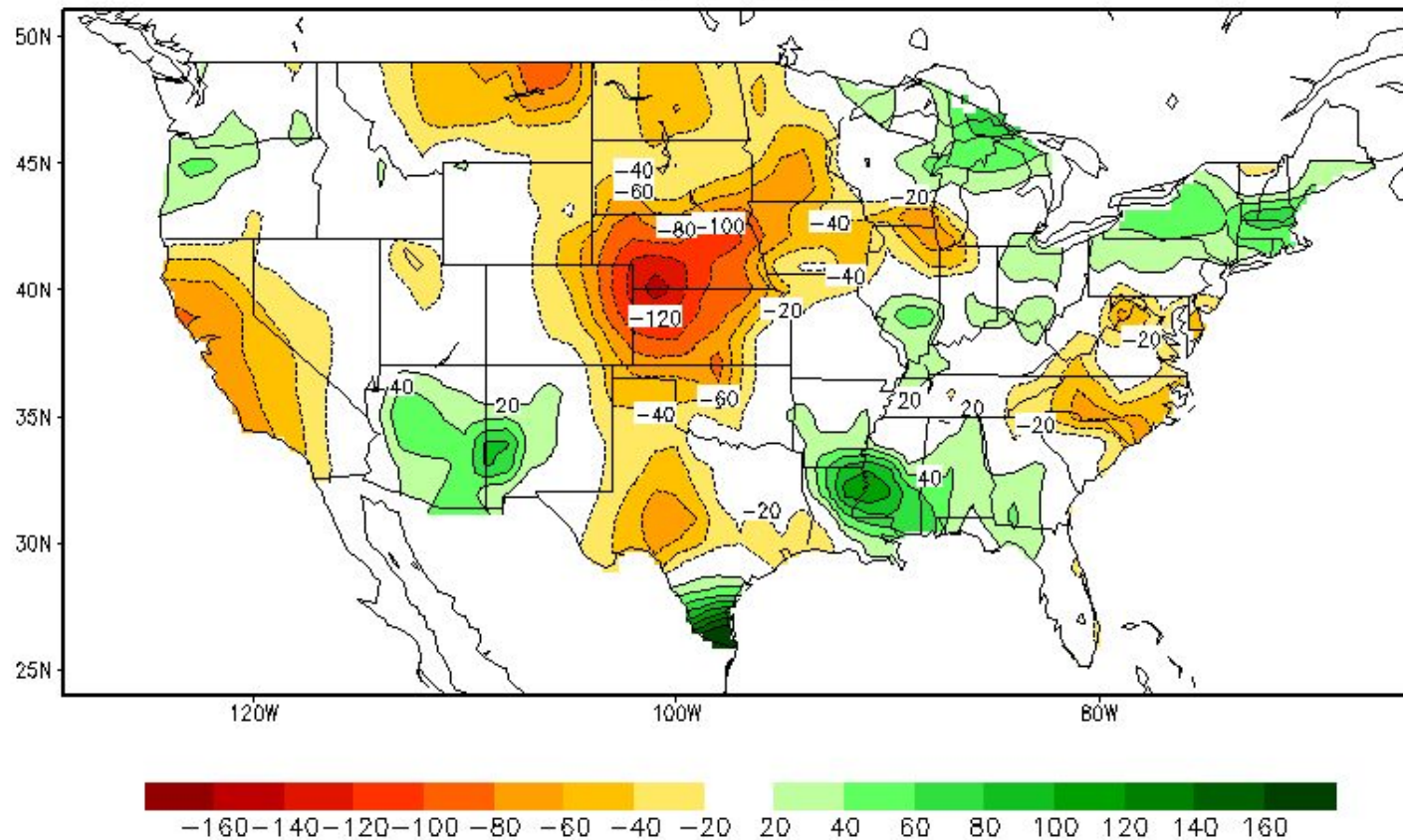


Soil Moisture



Soil Moisture Anomaly

Calculated Soil Moisture Anomaly (mm)
AUG, 2022



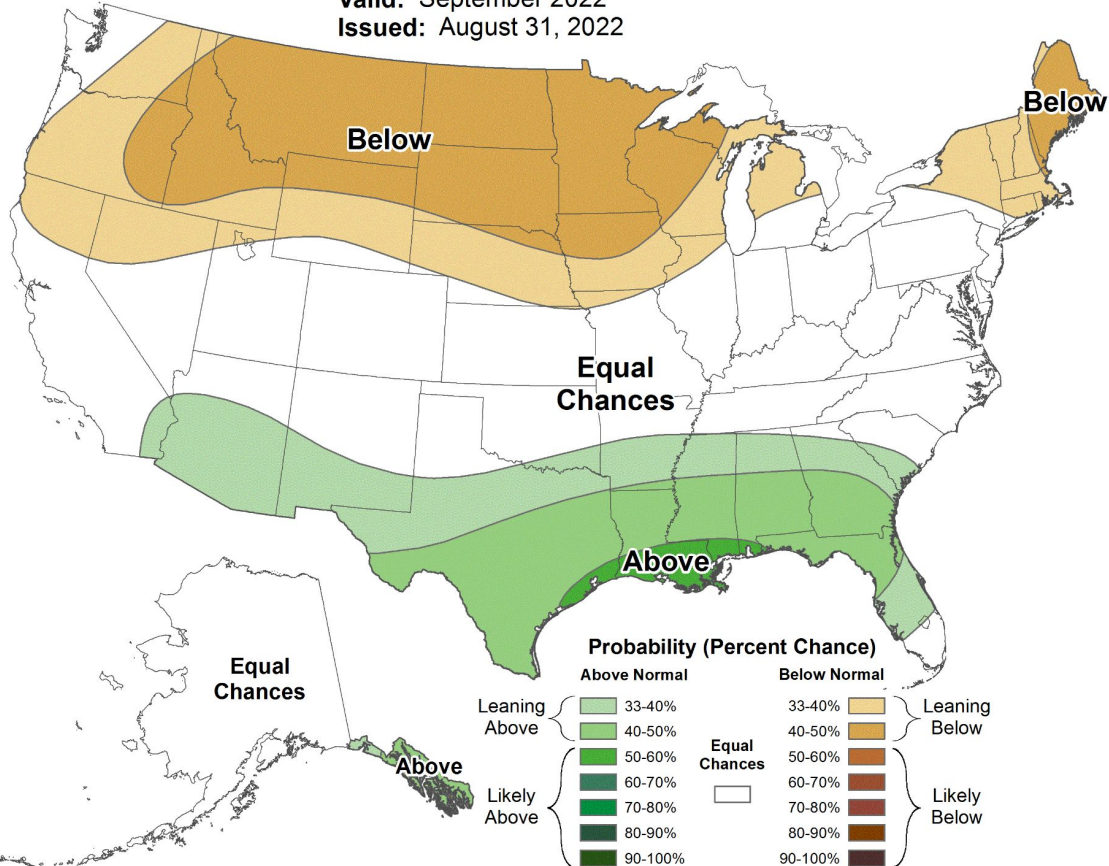
Precipitation Outlooks



Monthly Precipitation Outlook



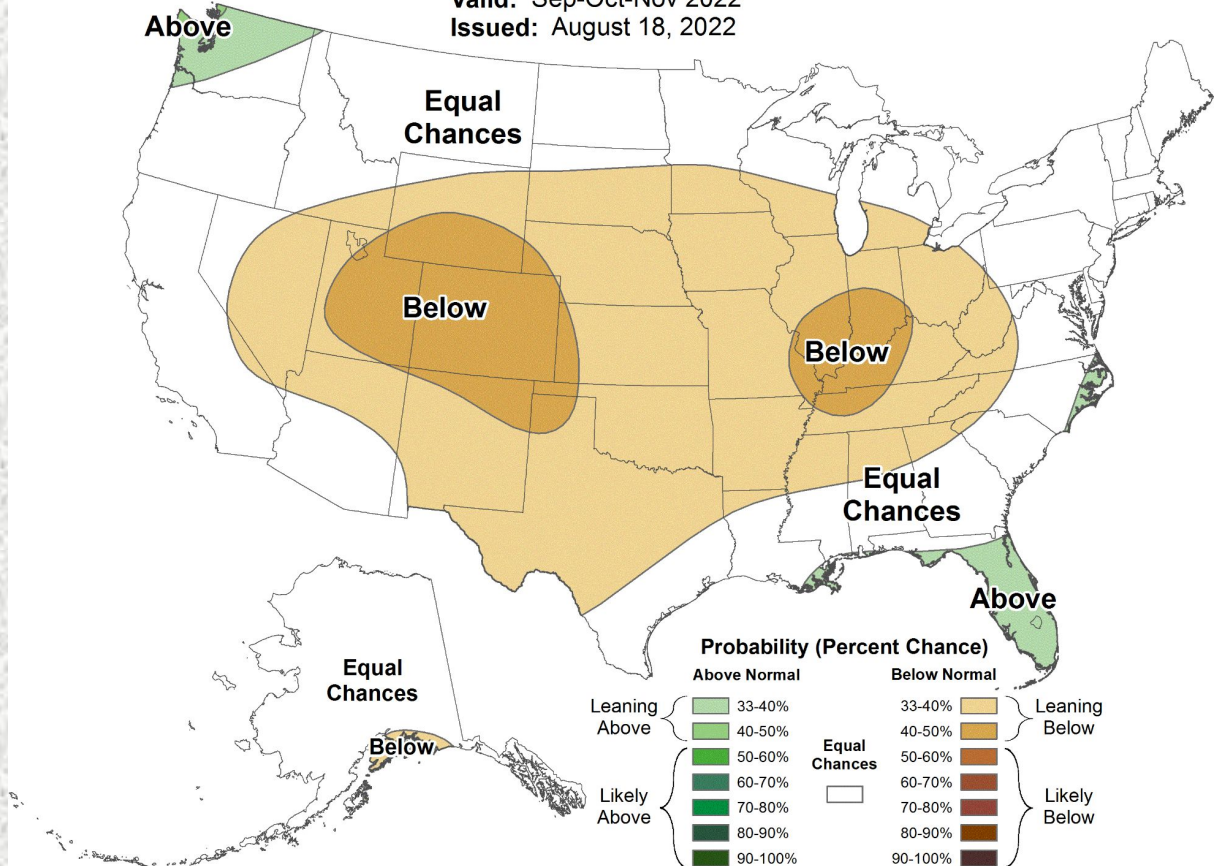
Valid: September 2022
Issued: August 31, 2022



Seasonal Precipitation Outlook



Valid: Sep-Oct-Nov 2022
Issued: August 18, 2022



Flood Products Issued

Product	Number Issued
Flash Flood Watch (FFA)	1
Flash Flood Warning (FFW)	6 (ETN: 007-012)
Flash Flood Statement (FFS)	5
Areal Flood Warning	2 (ETN: 004-005)
River Flood Warnings	0
River Flood Statements	0
Flood Advisories (FLS)	44 (ETN: 024-067)
Probabilistic Hydrologic Outlook (ESF)	6