

NWS Houston/Galveston Monthly Hydrologic Report May 2022

Produced by: Cameron Batiste

Date: 7/1/2022

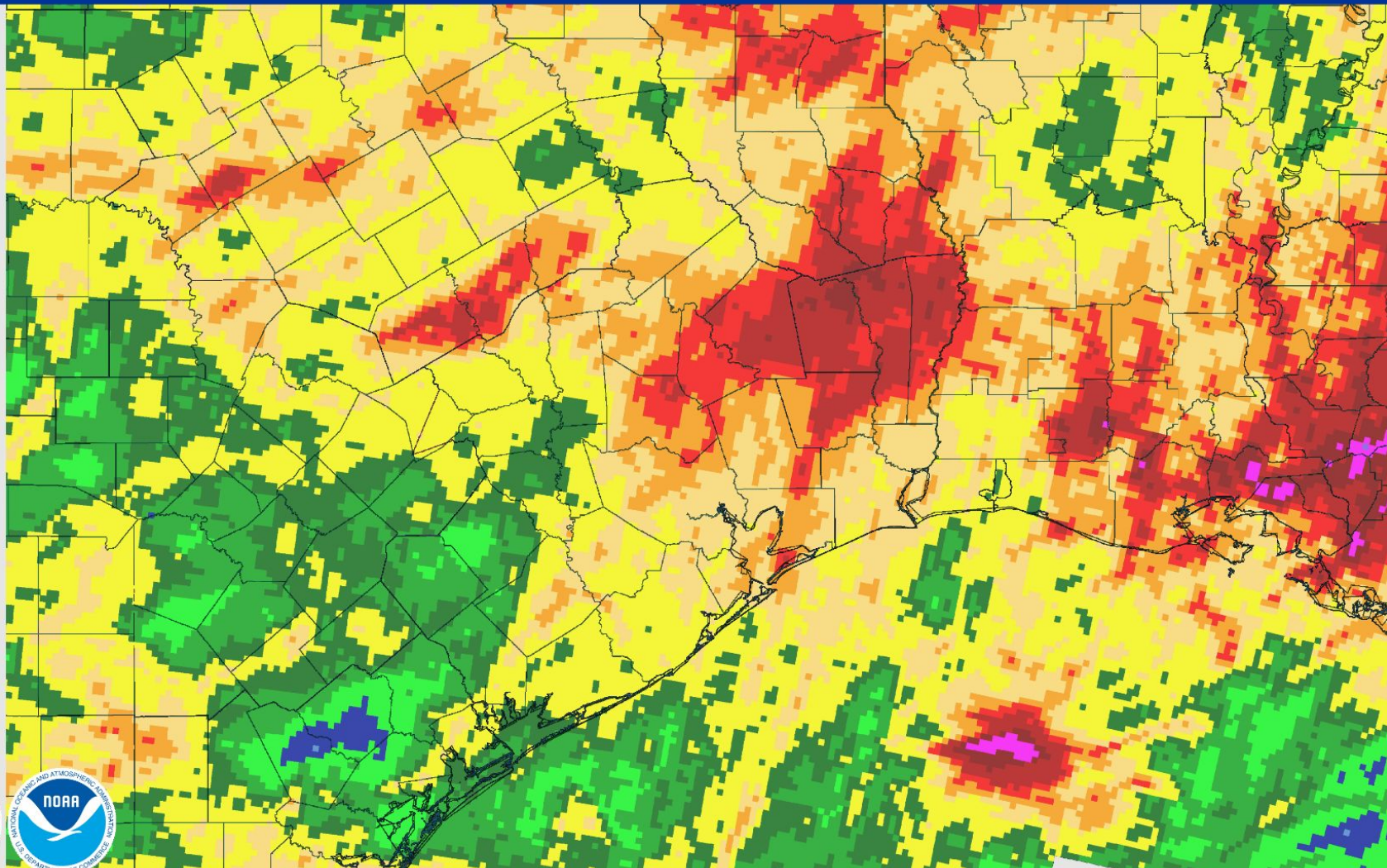
A near average month precipitation wise for portions of Southeast Texas. Southwestern locations remained dry while eastern locations received majority of the rainfall. The month of May was highlighted by two periods of rain (one at the beginning of the month and one at the end) with a dry spell in between. Bedias Creek in Madisonville went into minor flood stage at the beginning of the month along with other non-forecast warning points.

Monthly Precipitation

May 01, 2022 Monthly Observed Precipitation

Created on: July 02, 2022 - 02:23 UTC

Valid on: June 01, 2022 12:00 UTC

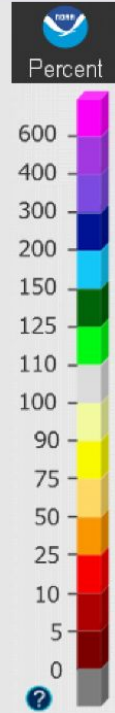
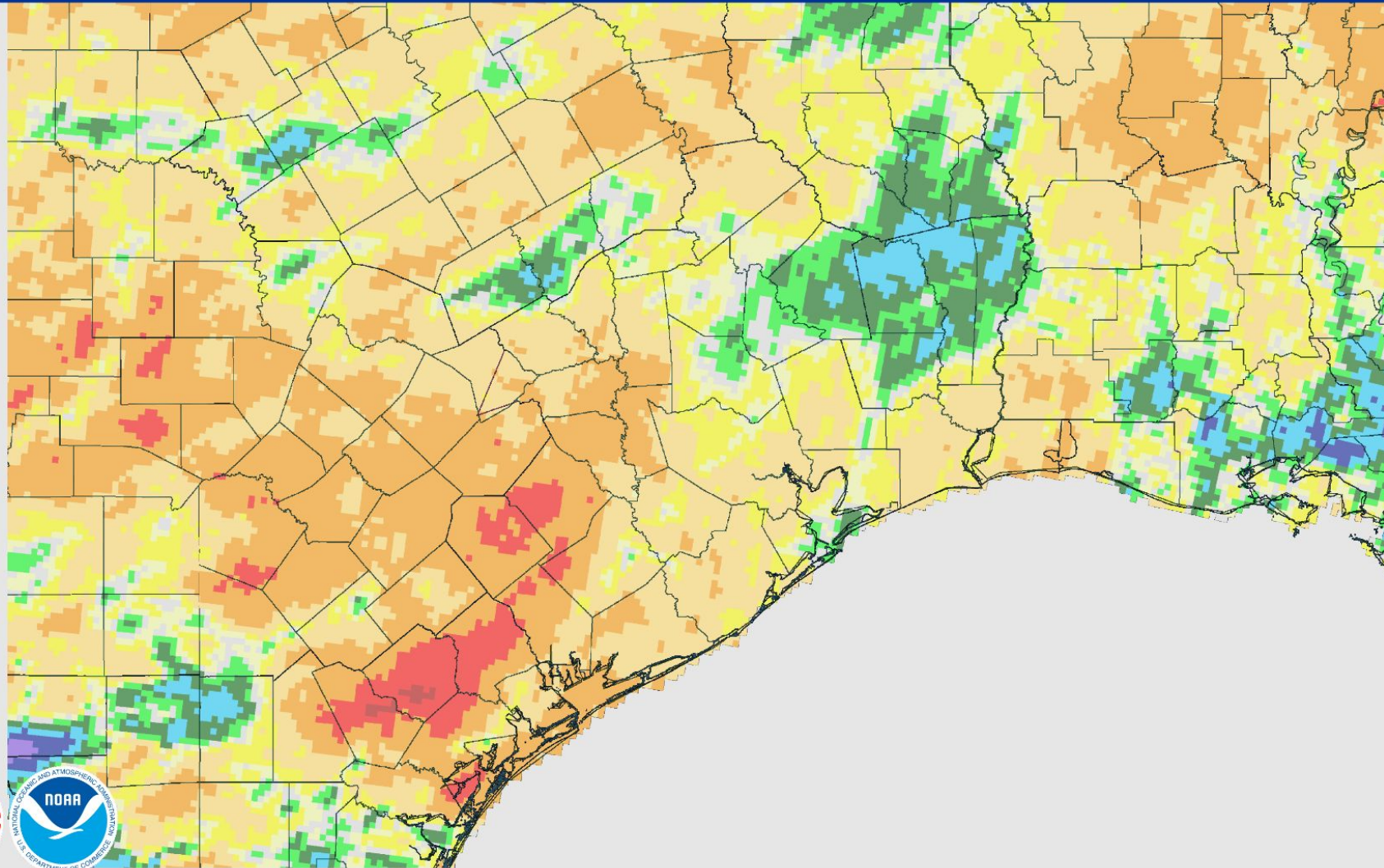


Monthly Percent of Normal Precipitation

May 01, 2022 Monthly Percent Precipitation

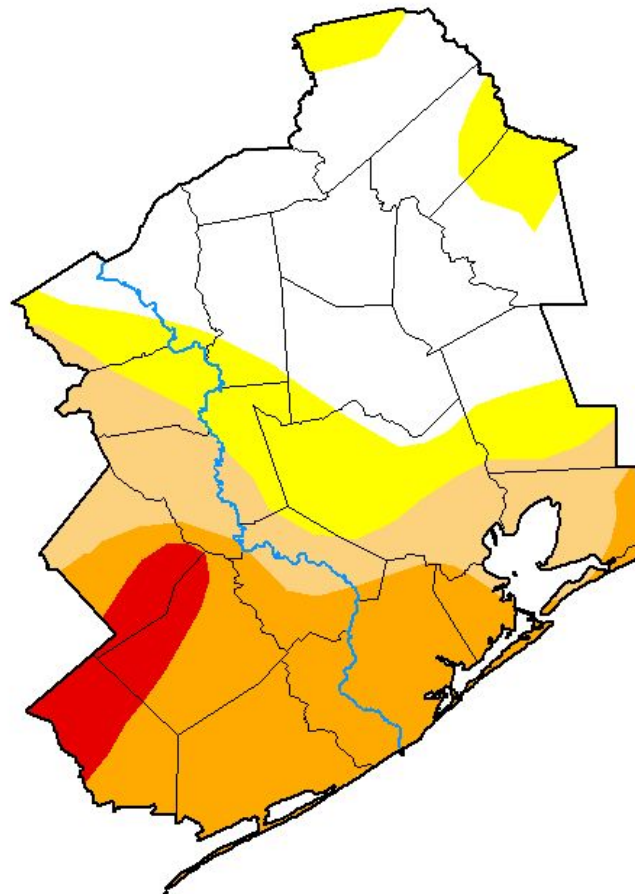
Created on: July 02, 2022 - 02:24 UTC

Valid on: June 01, 2022 12:00 UTC



U.S. Drought Monitor

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



May 31, 2022
(Released Thursday, Jun. 2, 2022)
Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	35.57	64.43	45.94	29.97	5.45	0.00
Last Week 05-24-2022	35.26	64.74	45.94	29.97	5.45	0.00
3 Months Ago 03-01-2022	16.81	83.19	31.87	3.45	0.00	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 06-01-2021	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>

Author:

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National Drought Mitigation Center



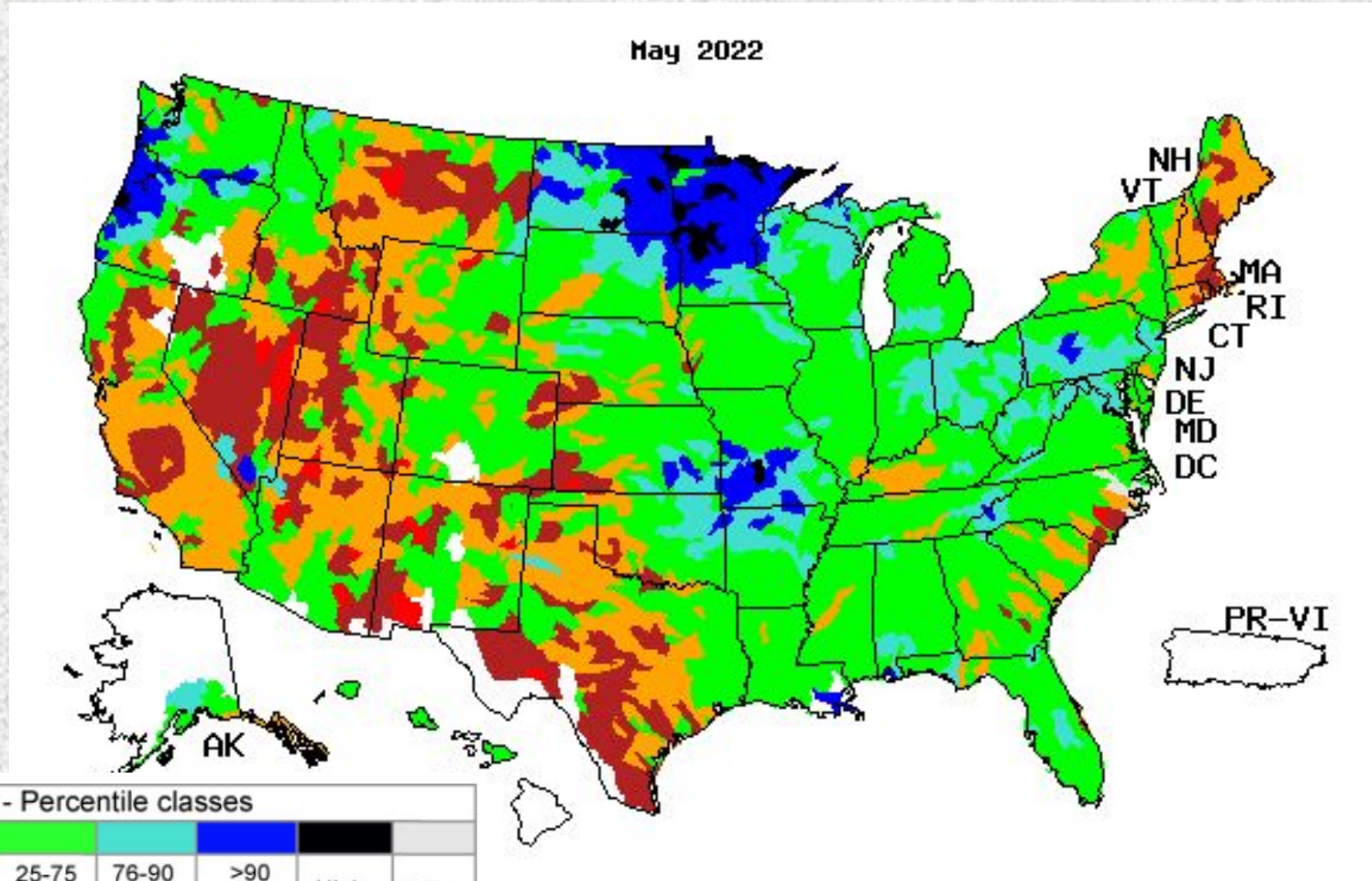
droughtmonitor.unl.edu

River Flooding

River and Station	Flood Stage (feet)	Crest Stage (feet)	Crest Date
Trinity River Madisonville, TX (MDST2)	19.0	19.24	5/07 6:45AM CDT

Monthly Average Streamflow

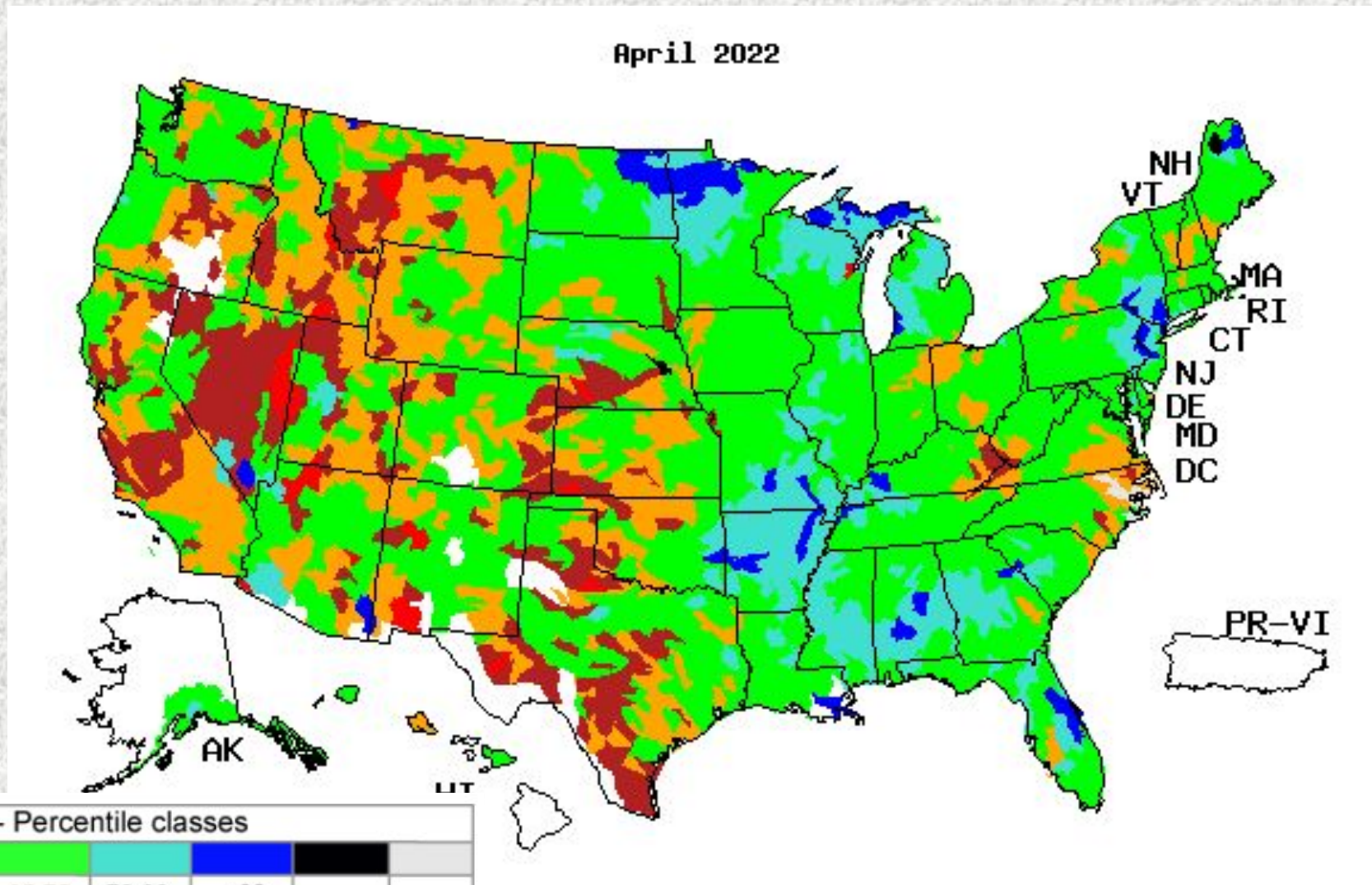
May 2022



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			

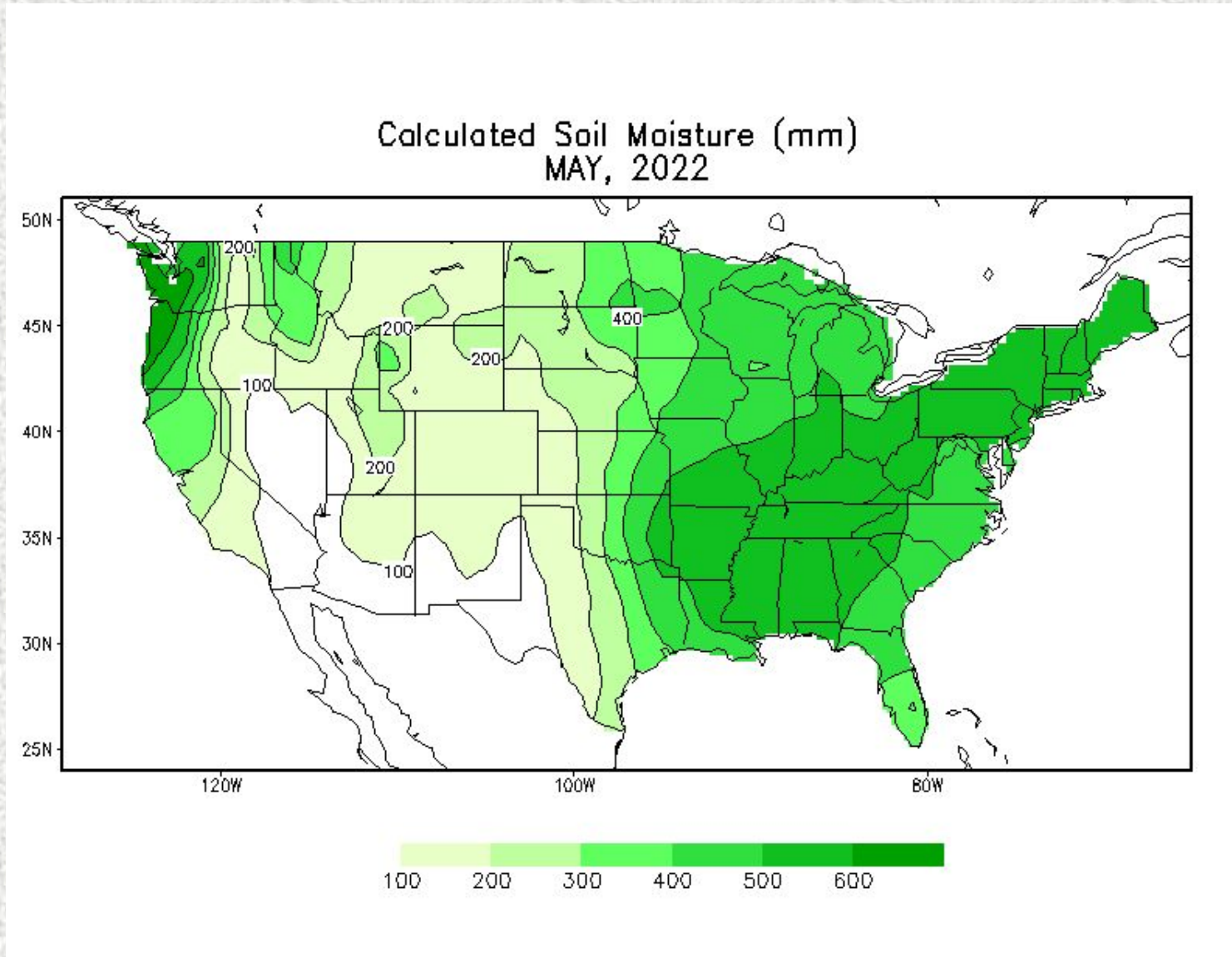
Previous Monthly Average Streamflow



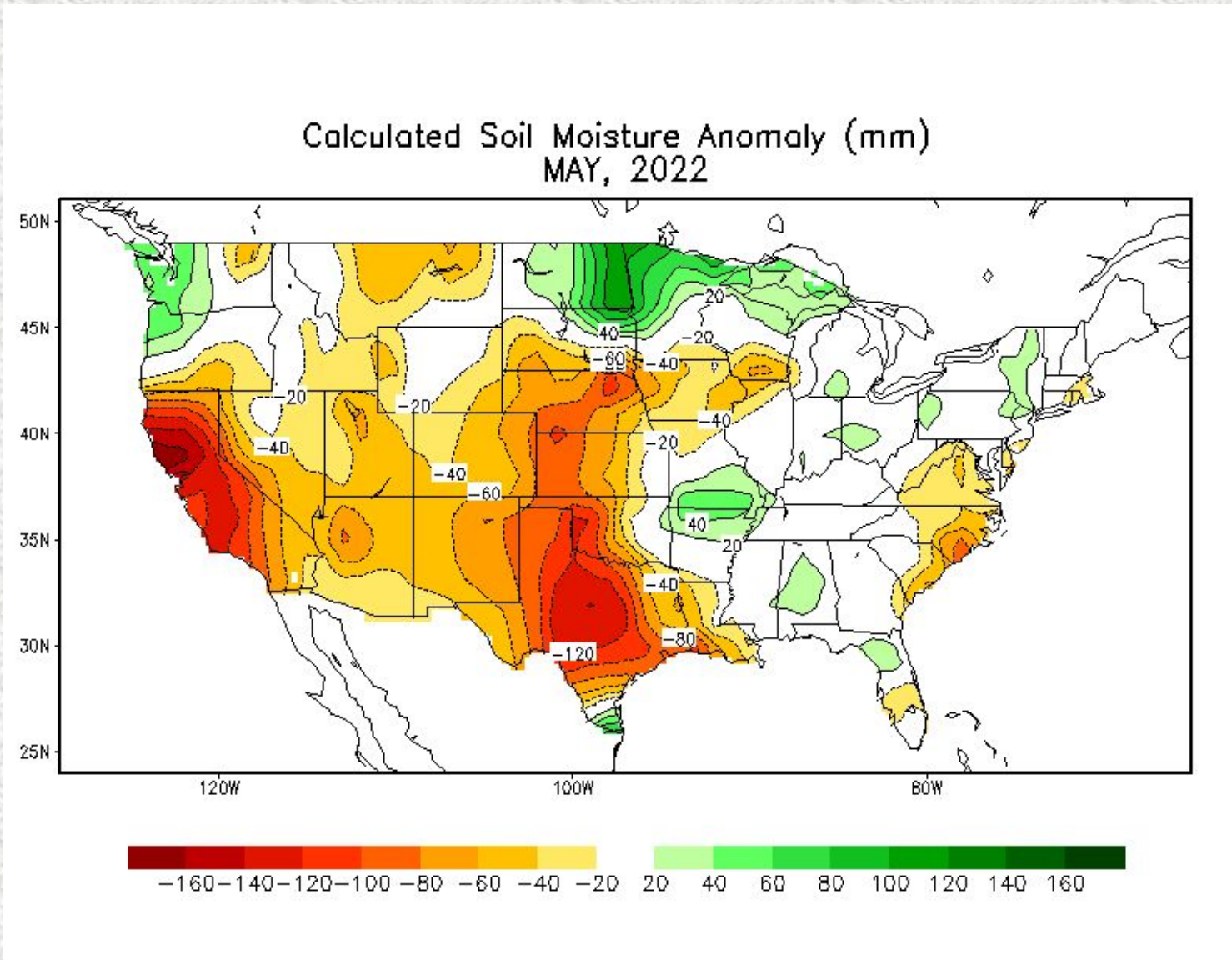
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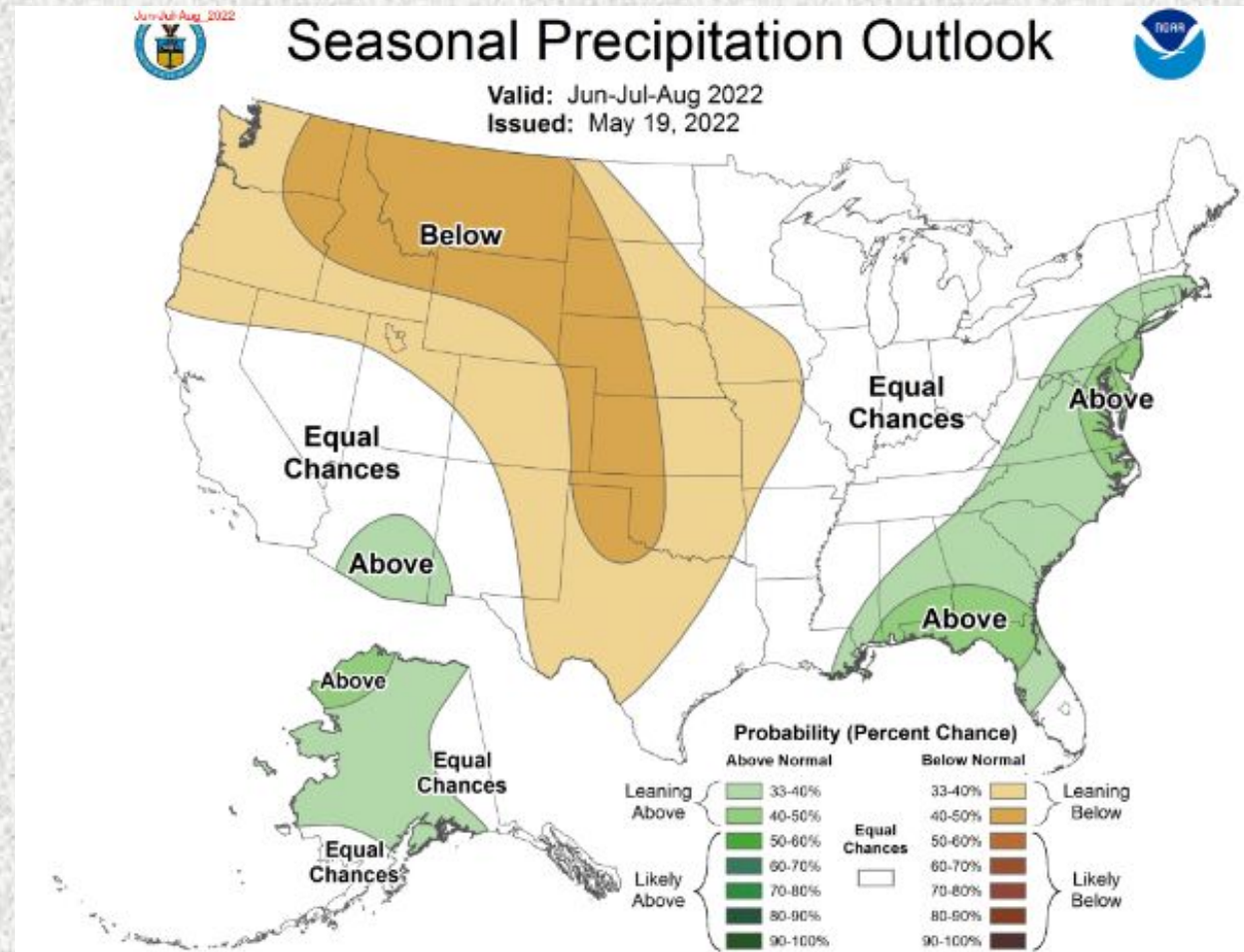
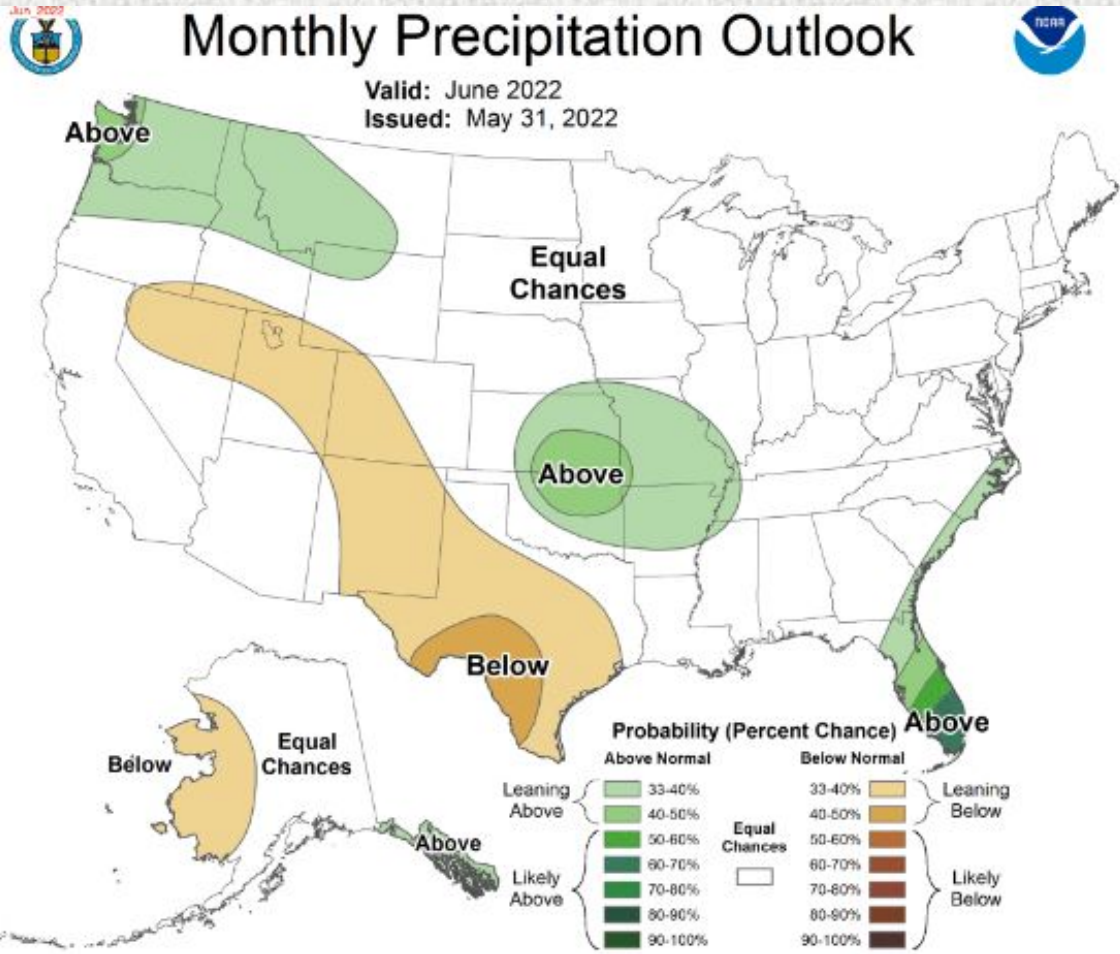
Soil Moisture



Soil Moisture Anomaly



Precipitation Outlooks



Flood Products Issued

Product	Number Issued
Flash Flood Watch	0
Flash Flood Warning	0*
Flash Flood Statement	0
Areal Flood Warning	0
River Flood Warnings	3
River Flood Statements	2
Flood Advisories	3 (ETN: 015-017)
Probabilistic Hydrologic Outlook	6

*FFW issued on April 30th
and extended into May 1st
by 45 min