

NWS Houston/Galveston Monthly Hydrologic Report June 2023

Produced by: Cameron Batiste

Date: 07/13/2023

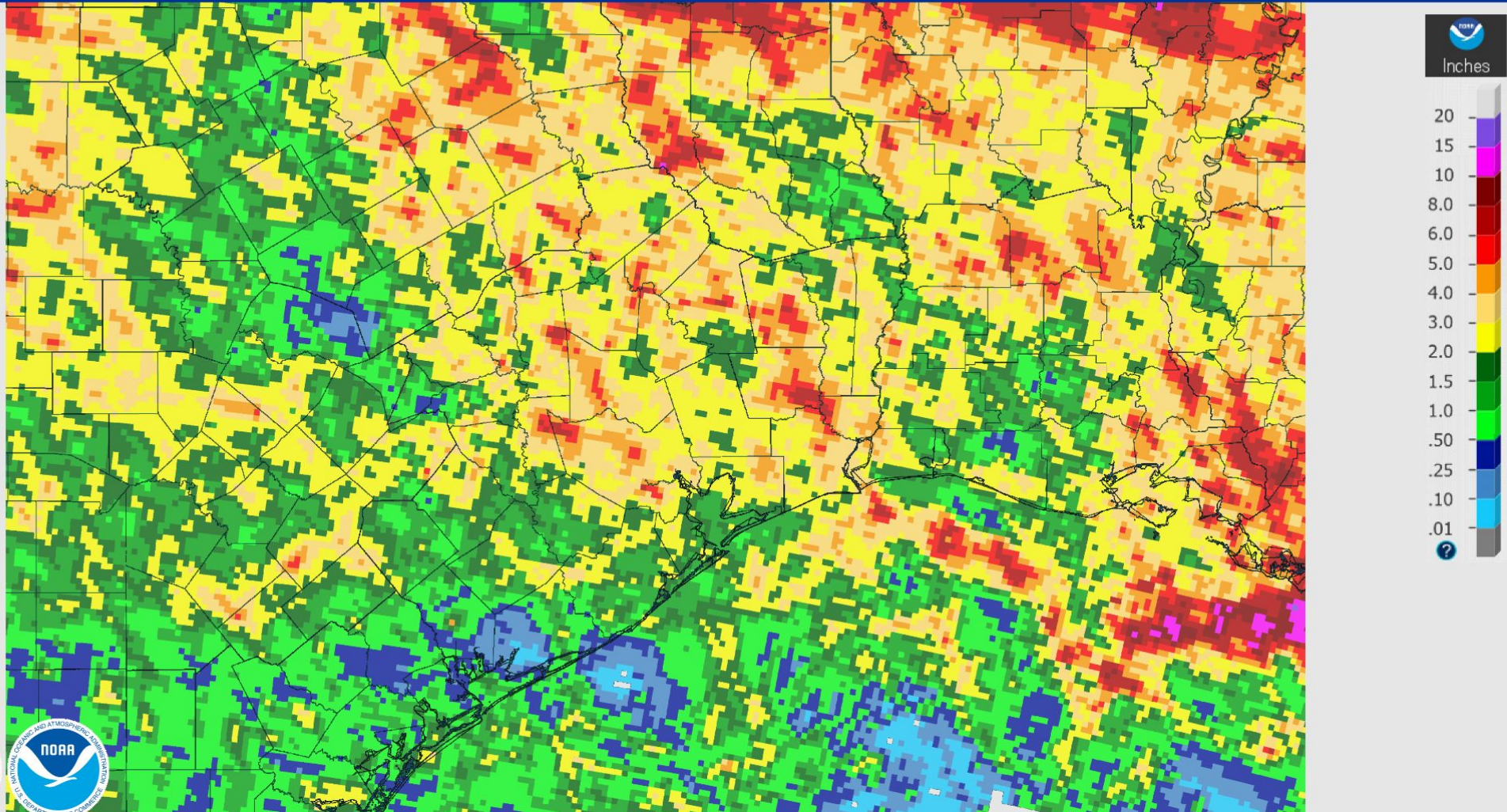
The month of June was rather dry and saw the return of drought conditions along our coastal and western counties. The most notable event of the month was a line of slow moving thunderstorms that moved through the Houston metro area in early June. A Flash Flood Warning was issued for portions of Harris County as a result with 3+ inches falling.

Monthly Precipitation

June 01, 2023 Monthly Observed Precipitation

Created on: July 13, 2023 - 23:53 UTC

Valid on: July 01, 2023 12:00 UTC

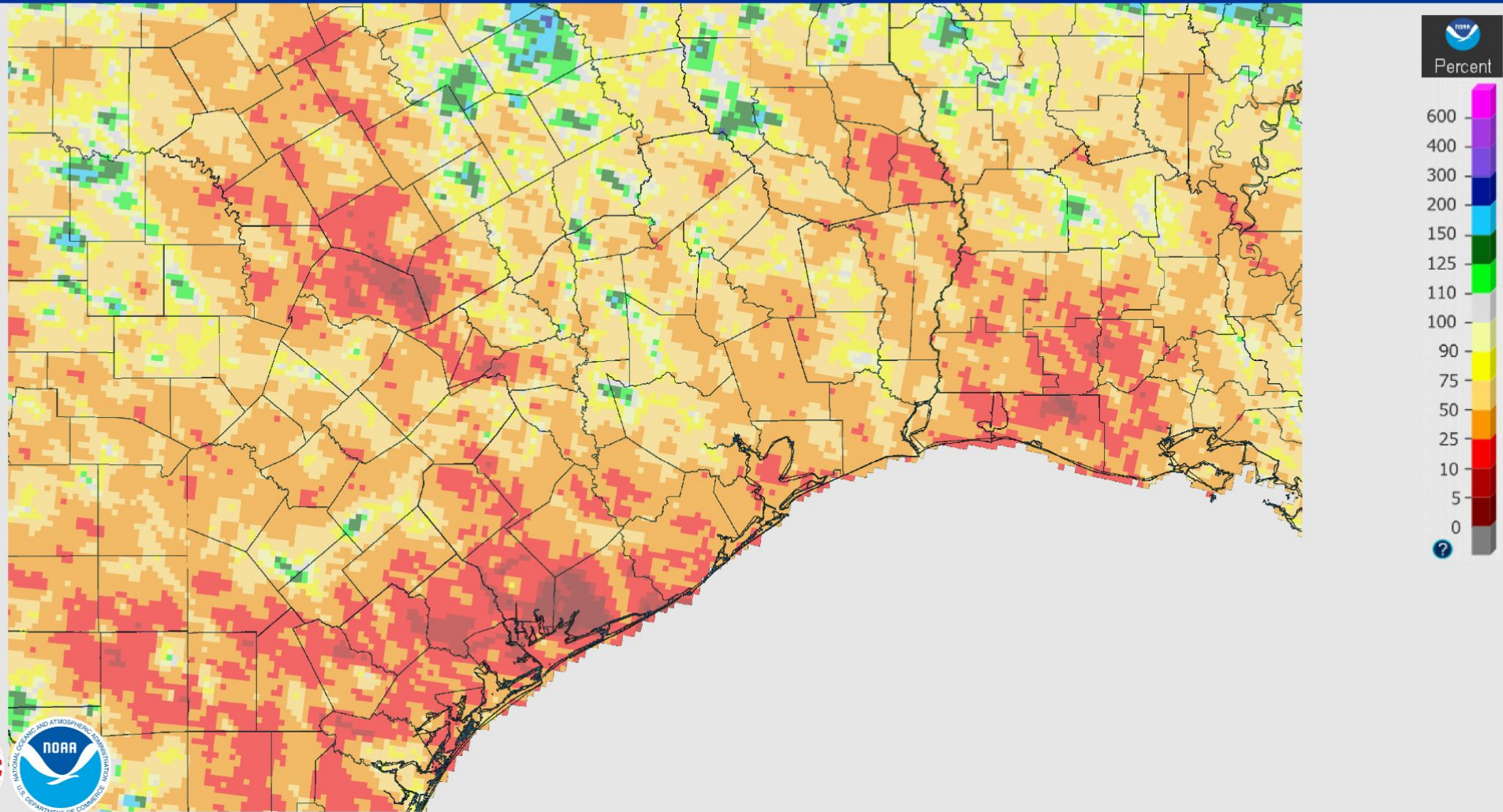


Monthly Percent of Normal Precipitation

June 01, 2023 Monthly Percent Precipitation

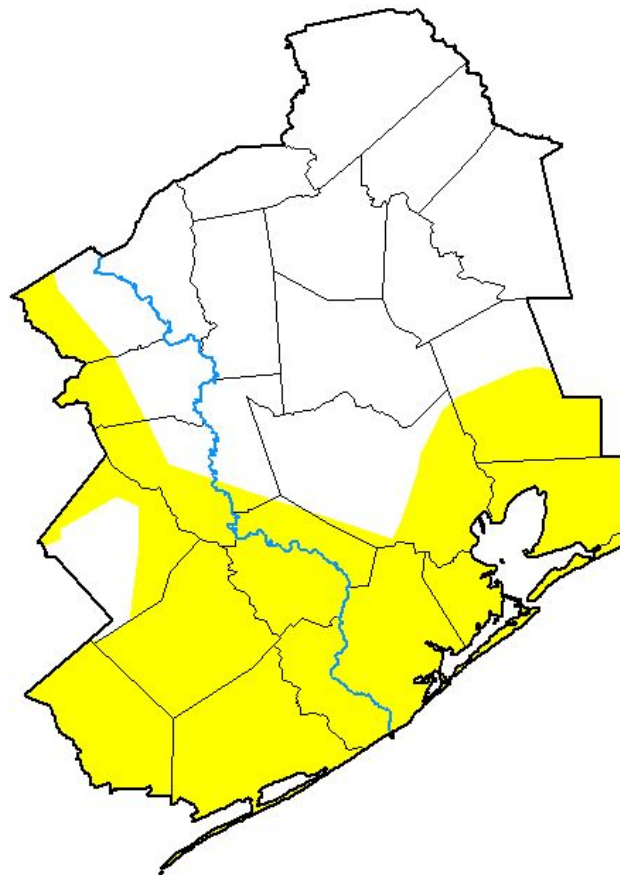
Created on: July 13, 2023 - 23:54 UTC

Valid on: July 01, 2023 12:00 UTC



U.S. Drought Monitor

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



June 27, 2023

(Released Thursday, Jun. 29, 2023)

Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	54.29	45.71	0.00	0.00	0.00	0.00
Last Week 06-20-2023	86.53	13.47	0.00	0.00	0.00	0.00
3 Months Ago 03-28-2023	26.26	73.74	29.75	9.69	0.00	0.00
Start of Calendar Year 01-03-2023	84.11	15.89	6.96	0.00	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 06-28-2022	0.00	100.00	94.86	51.15	32.87	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



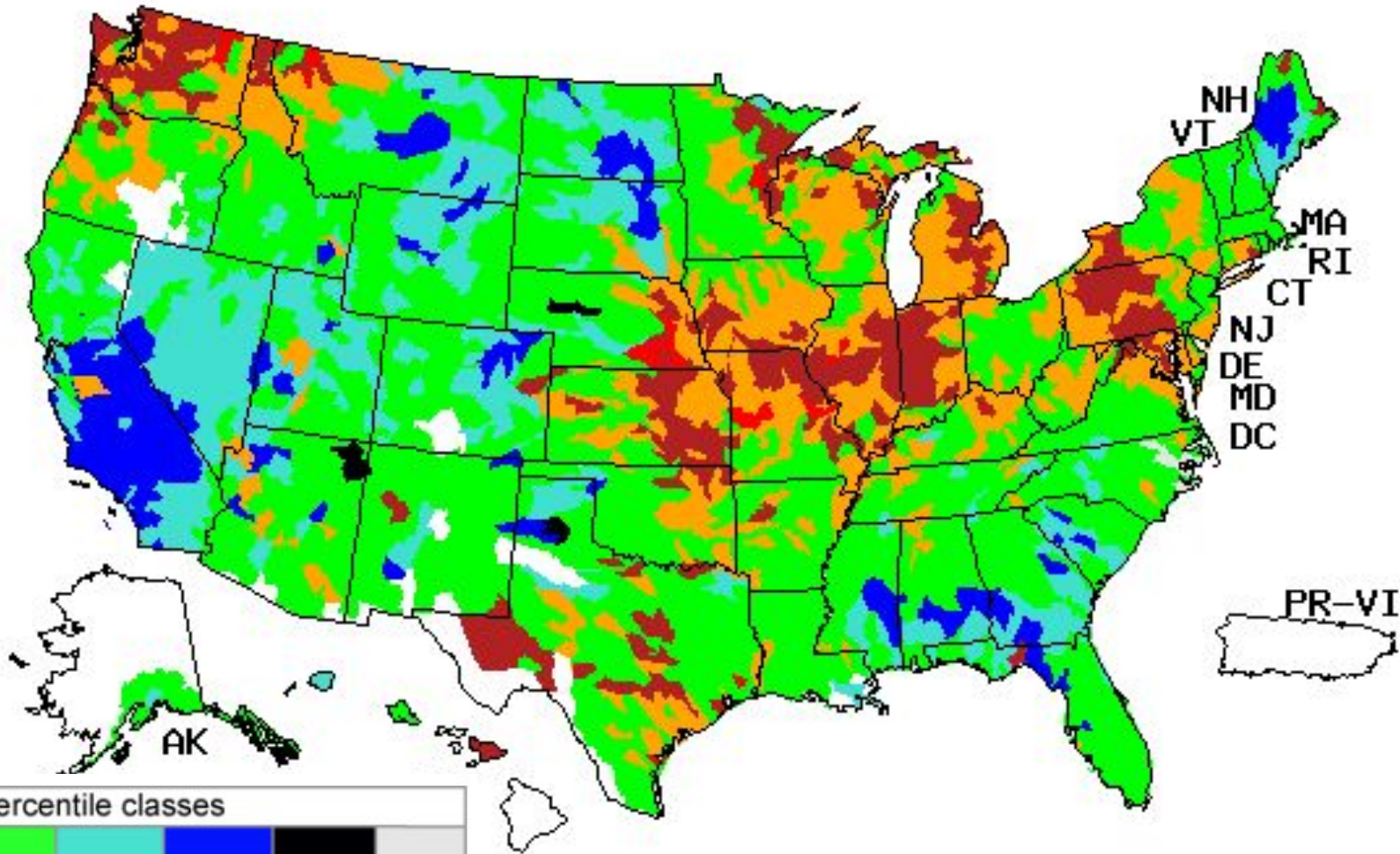
droughtmonitor.unl.edu

River Flooding

River and Station	Flood Stage (feet)	Crest Stage (feet)	Crest Date
N/A			

Monthly Average Streamflow

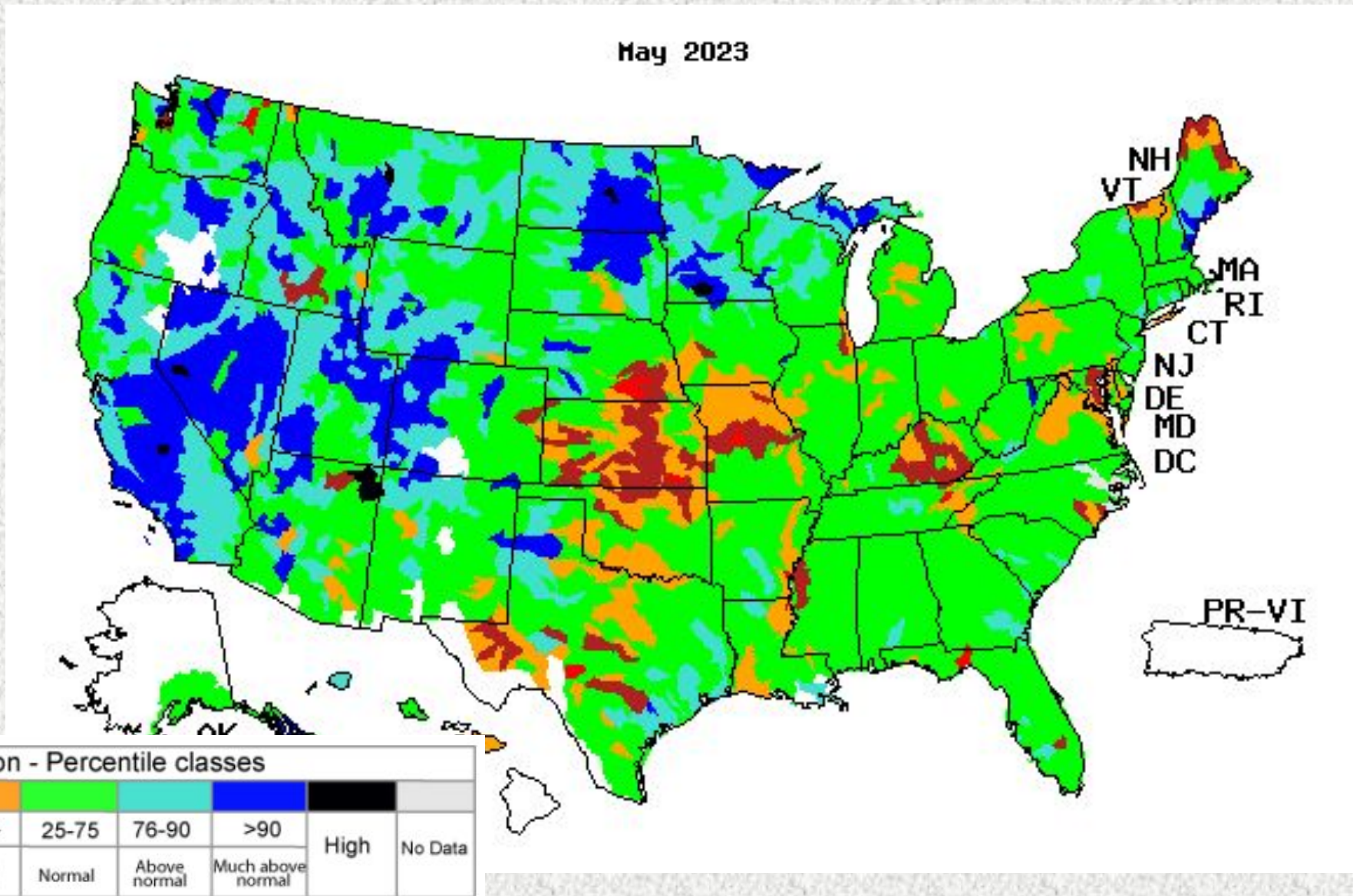
June 2023



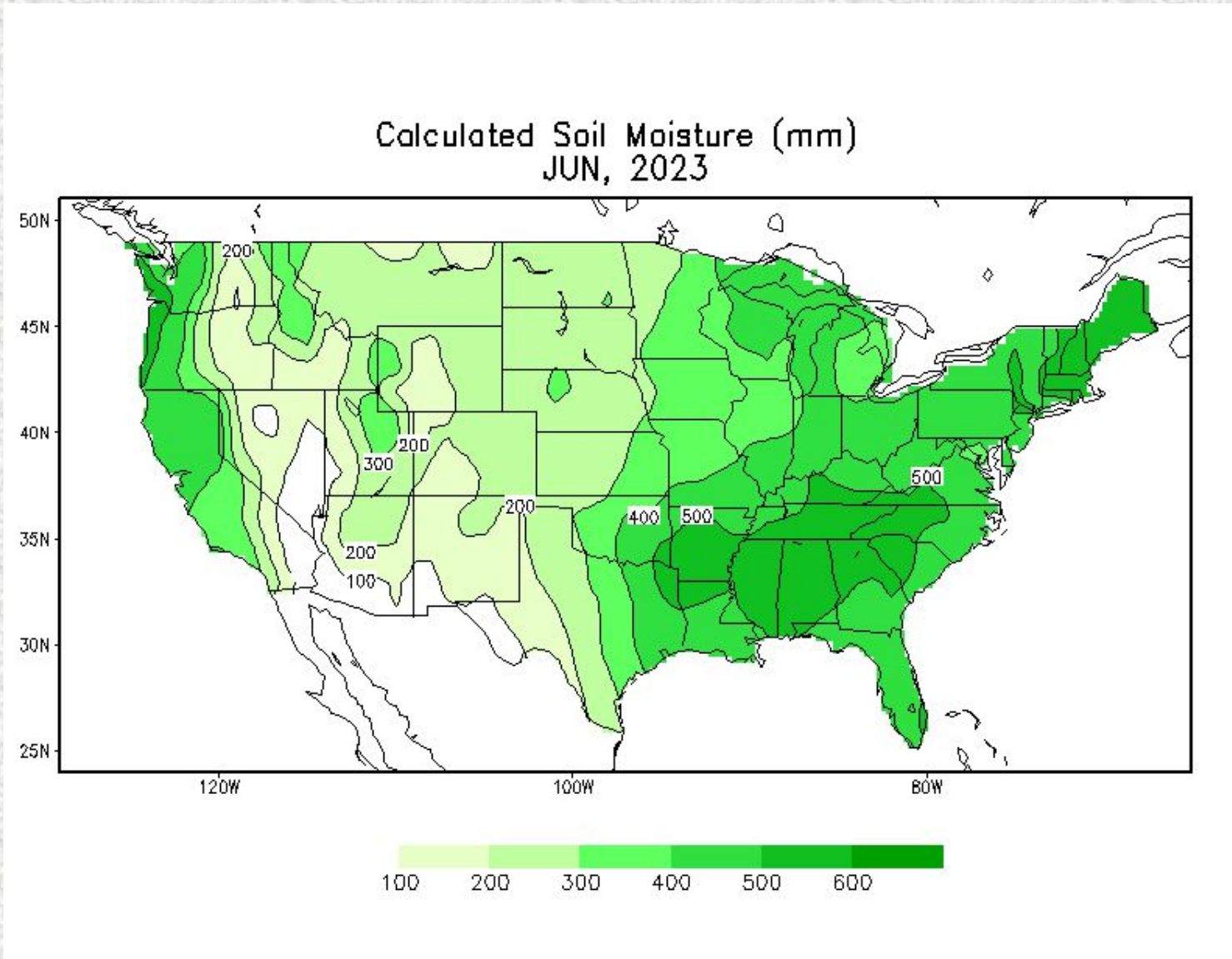
Explanation - Percentile classes

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

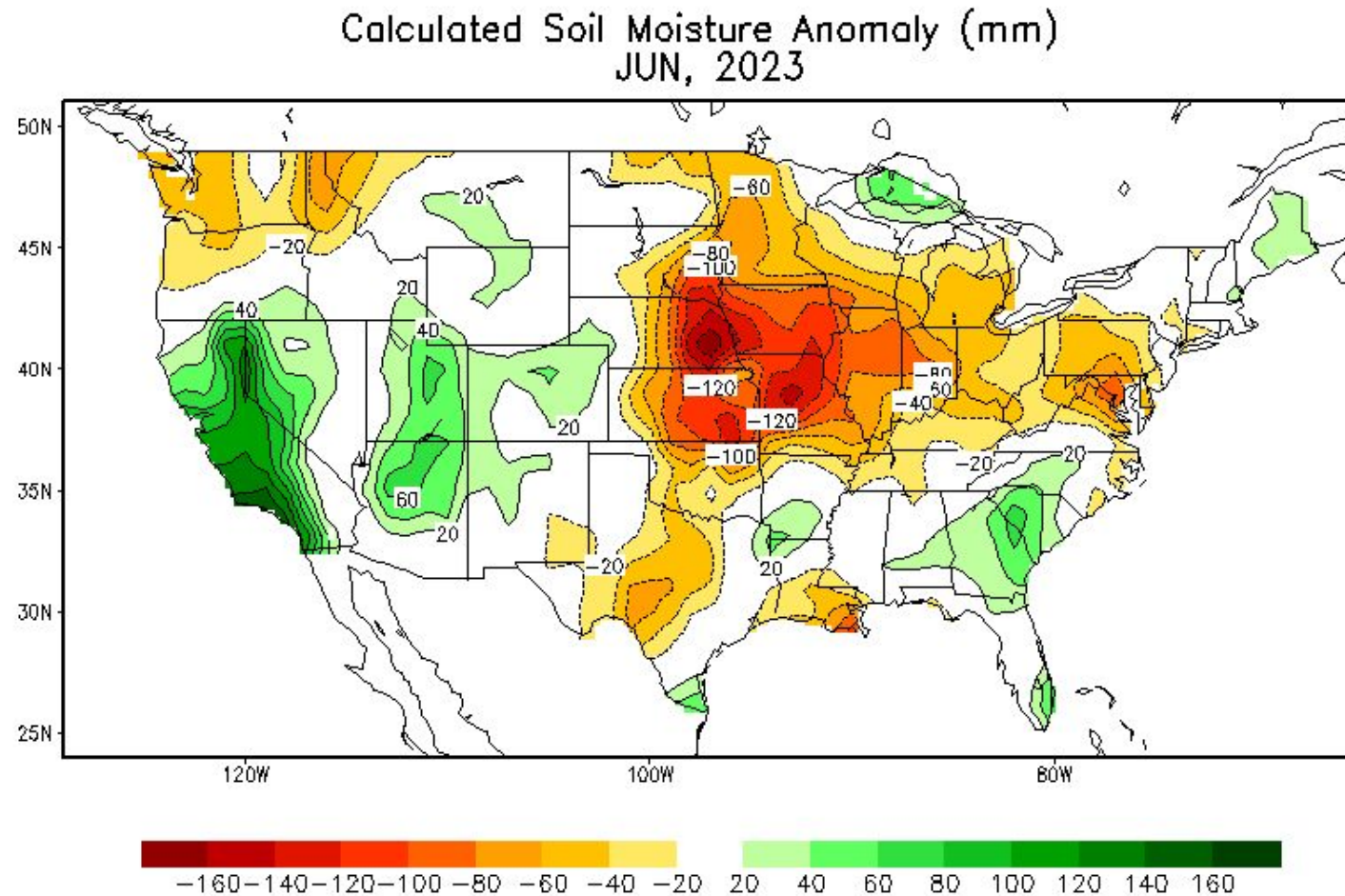
Previous Monthly Average Streamflow



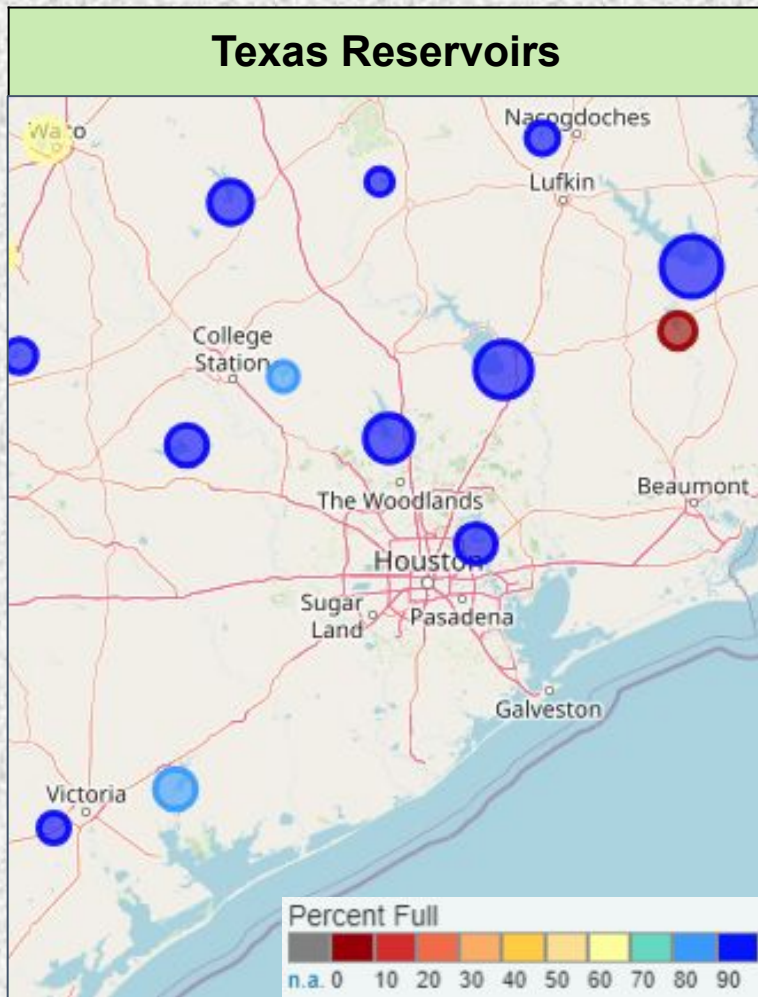
Soil Moisture



Soil Moisture Anomaly



Reservoir Status



Reservoir	Percent Full Conservation Storage
Houston County Lake	96.9%
Lake Livingston	97.9%
Lake Conroe	98.2%
Lake Houston	100.0%
Gibbons Creek Reservoir	87.8%
Lake Somerville	94.7%
Lake Texana	88.1%

Data added on: July 13, 2023 at 5:30 pm CDT

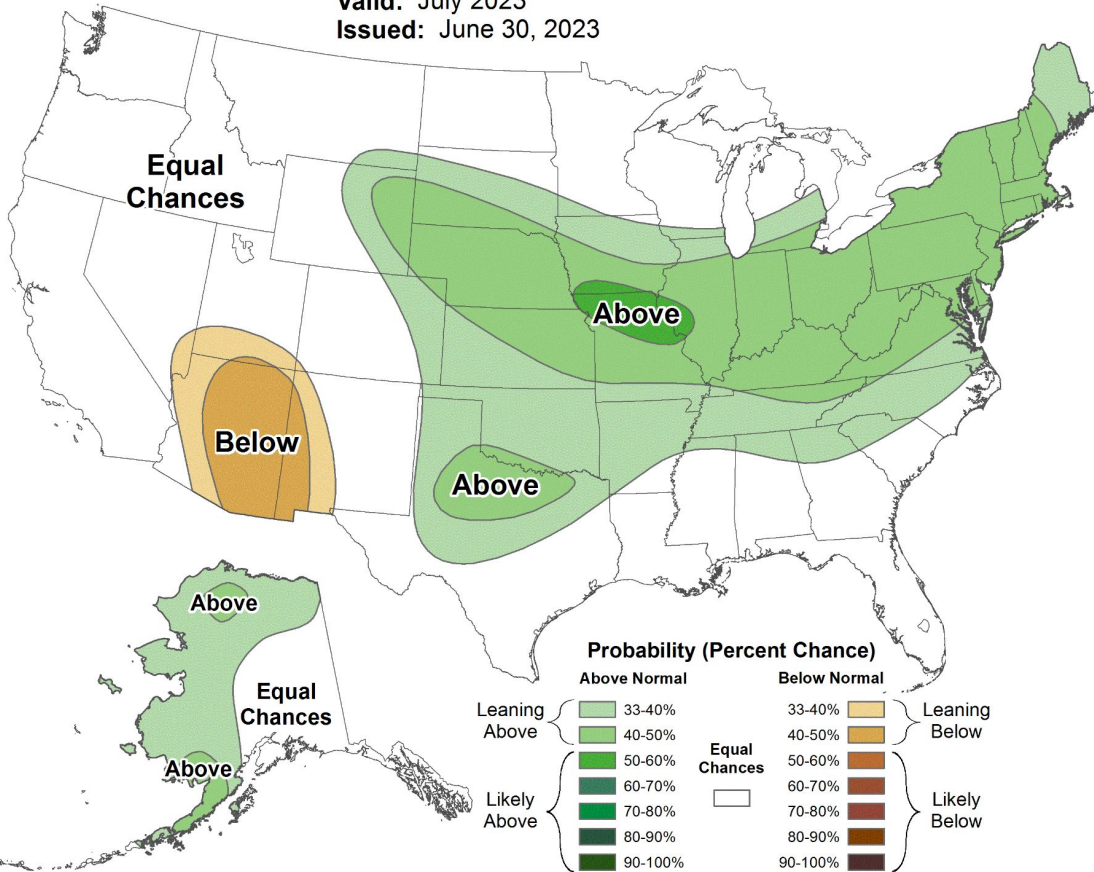
Precipitation Outlooks



Monthly Precipitation Outlook



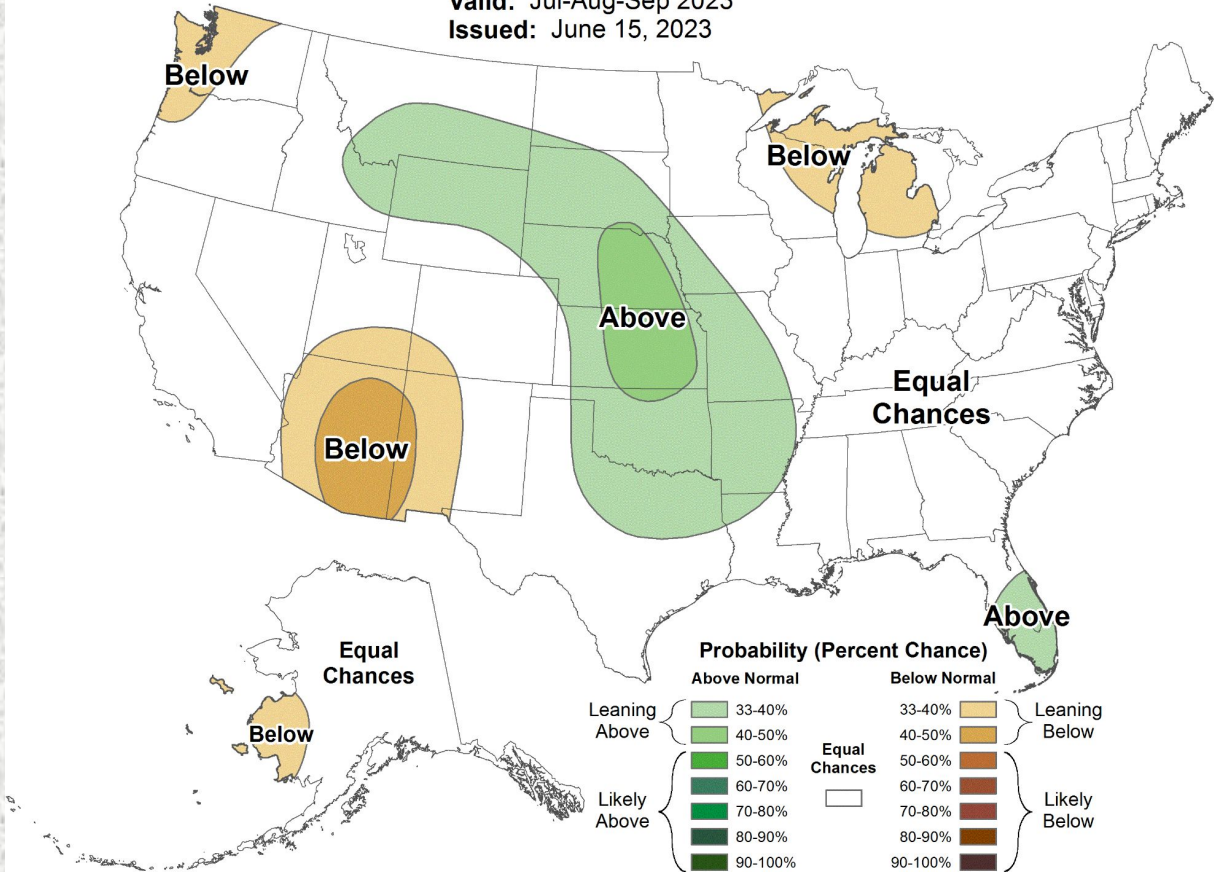
Valid: July 2023
Issued: June 30, 2023



Seasonal Precipitation Outlook



Valid: Jul-Aug-Sep 2023
Issued: June 15, 2023



Flood Products Issued

Product	Number Issued
Flash Flood Watch (FFA)	0
Flash Flood Warning (FFW)	1 (ETN: 014)
Flash Flood Statement (FFS)	1
Areal Flood Warning	1 (ETN: 016)
River Flood Warnings (FLW)	0
River Flood Statements	0
Flood Advisories (FLS)	10 (ETN: 073-082)
Probabilistic Hydrologic Outlook (ESF)	6