

# June Recap & Northeast DEWS Discussion

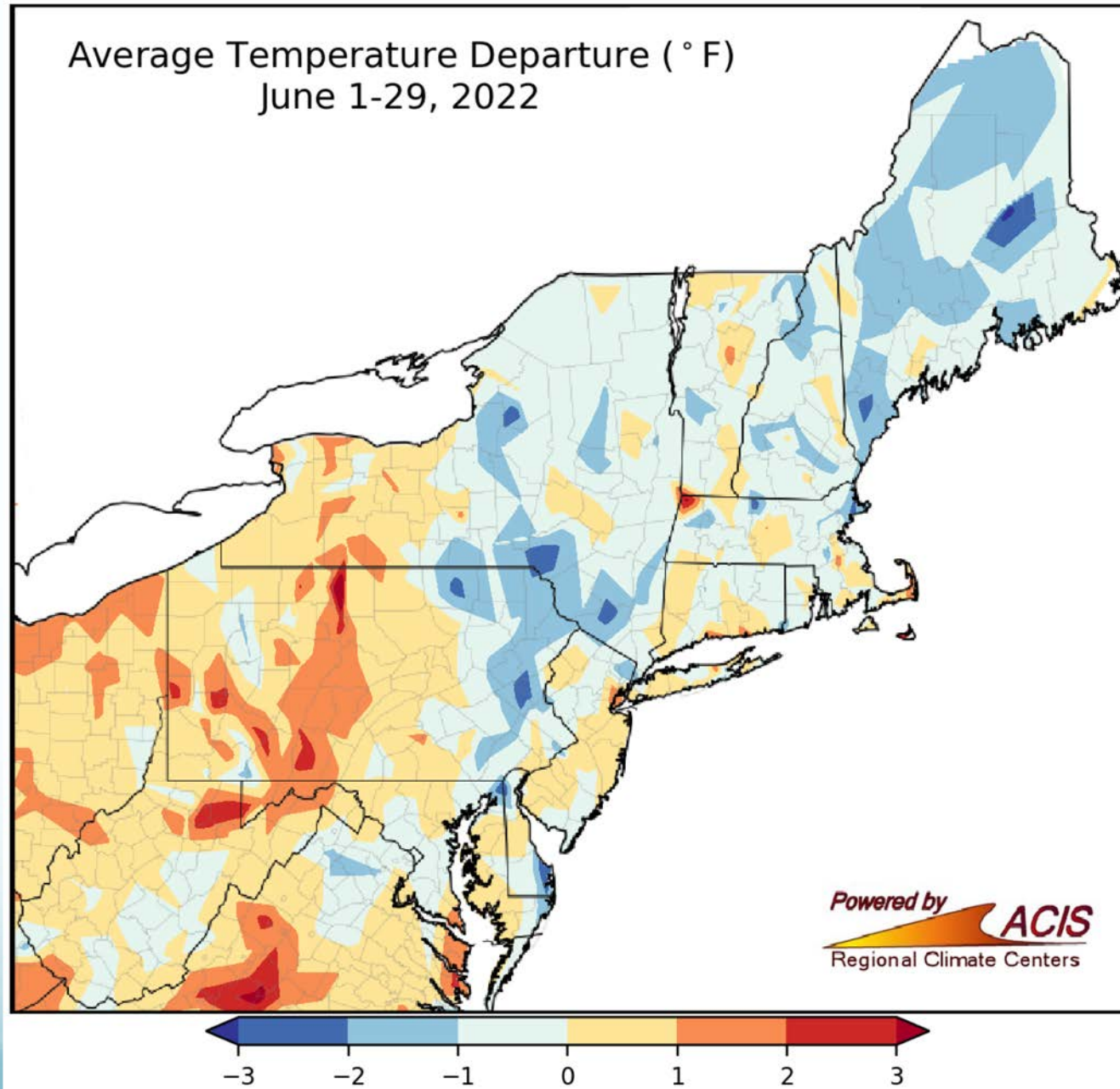
By: Samantha Borisoff, Climatologist  
Northeast Regional Climate Center



Northeast Regional  
Climate Center



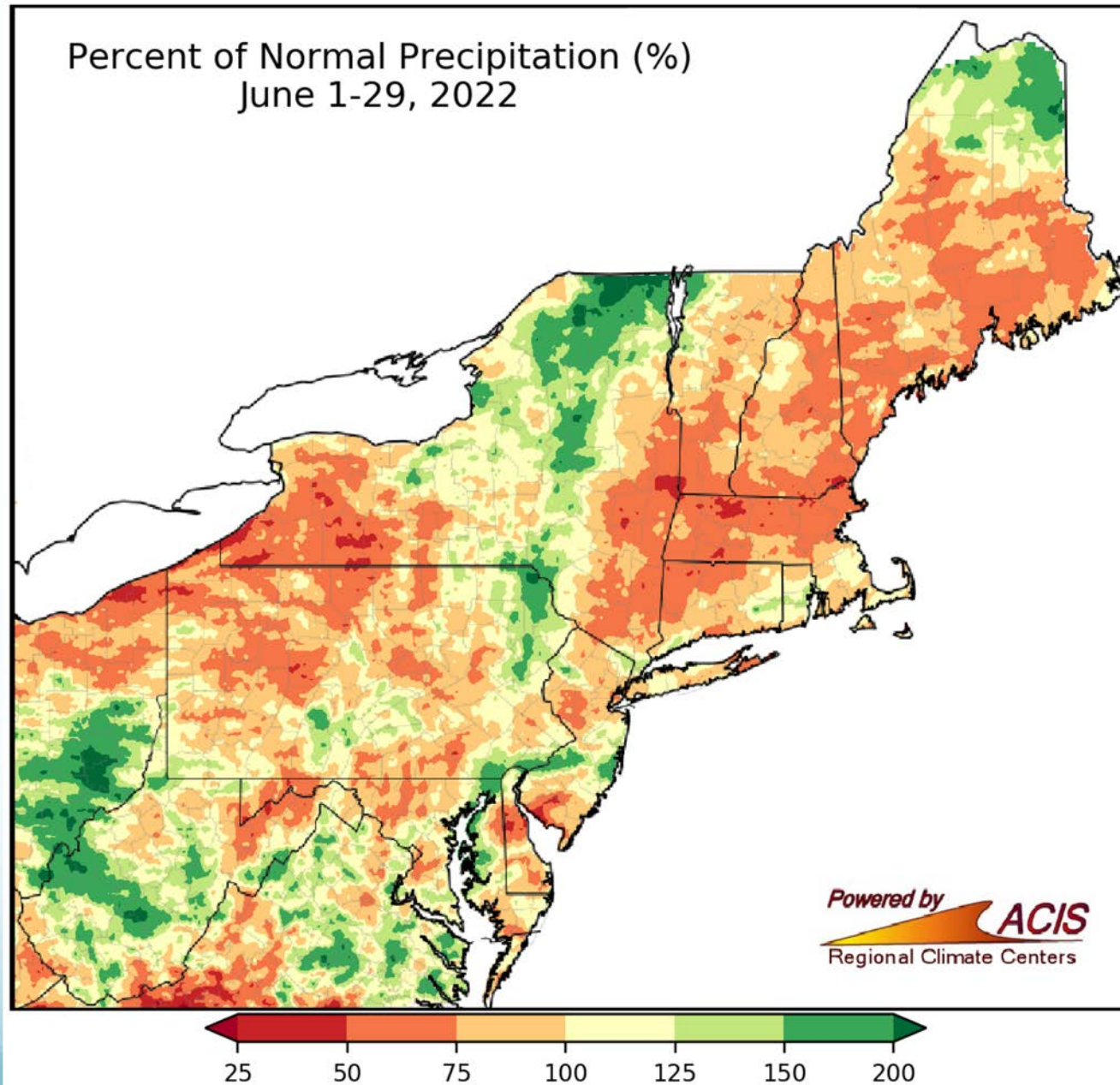
# June Temperatures



From 3°F below normal to 3°F above normal



# June Precipitation



From 25% of normal to more than 200% of normal

# Drought Monitor

## U.S. Drought Monitor Northeast

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

Drought Conditions (Percent Area)

	None	D0	D1	D2	D3	D4
<b>Current</b>	88.12	9.18	2.70	0.00	0.00	0.00
<b>Last Week</b> 05-24-2022	84.88	12.88	2.24	0.00	0.00	0.00
<b>3 Months Ago</b> 03-01-2022	82.27	15.69	1.19	0.85	0.00	0.00
<b>Start of Calendar Year</b> 01-04-2022	84.91	12.92	1.32	0.85	0.00	0.00
<b>Start of Water Year</b> 09-28-2021	90.30	6.56	2.35	0.80	0.00	0.00
<b>One Year Ago</b> 06-01-2021	59.73	37.44	2.83	0.00	0.00	0.00

Intensity:

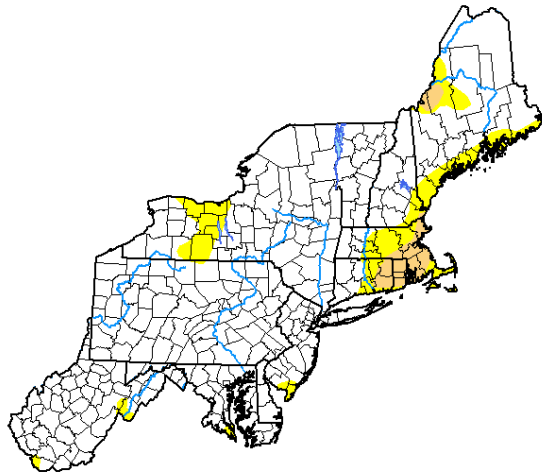
- None
- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
- D4 Exceptional Drought

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:  
Curtis Riganti  
National Drought Mitigation Center



[droughtmonitor.unl.edu](https://droughtmonitor.unl.edu)



## U.S. Drought Monitor Northeast

**June 28, 2022**  
(Released Thursday, Jun. 30, 2022)  
Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0	D1	D2	D3	D4
<b>Current</b>	70.69	21.85	7.46	0.00	0.00	0.00
<b>Last Week</b> 06-21-2022	82.62	15.00	2.38	0.00	0.00	0.00
<b>3 Months Ago</b> 03-29-2022	71.90	24.96	2.46	0.67	0.00	0.00
<b>Start of Calendar Year</b> 01-04-2022	84.91	12.92	1.32	0.85	0.00	0.00
<b>Start of Water Year</b> 09-28-2021	90.30	6.56	2.35	0.80	0.00	0.00
<b>One Year Ago</b> 06-29-2021	58.59	21.37	16.53	3.51	0.00	0.00

Intensity:

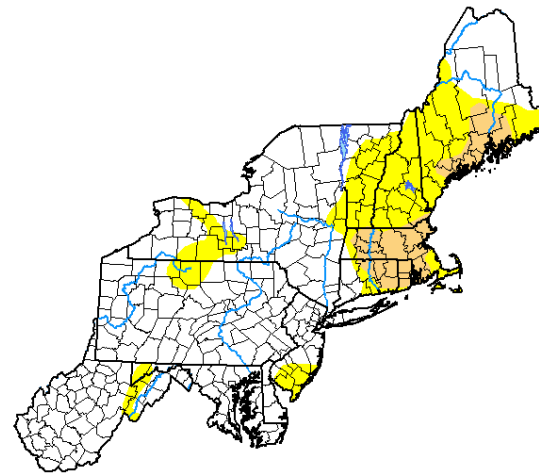
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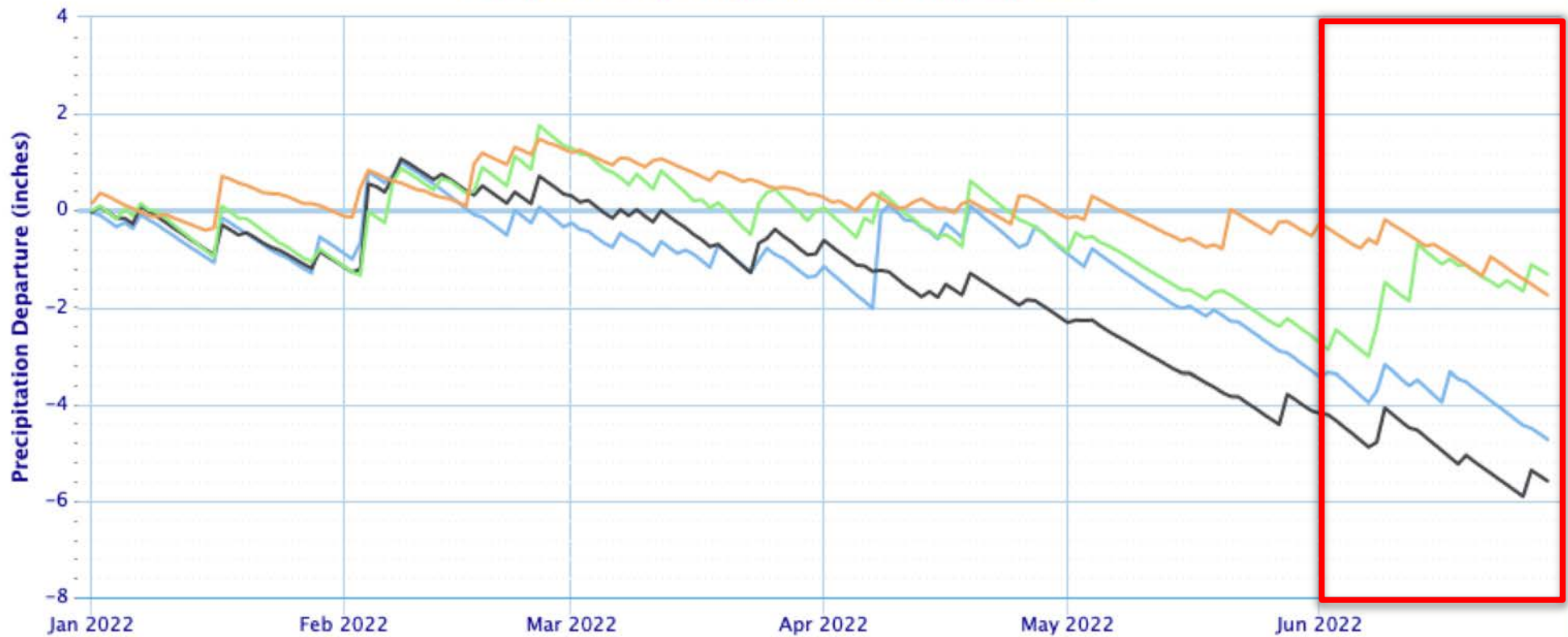
[droughtmonitor.unl.edu](https://droughtmonitor.unl.edu)



# Precipitation

## Accumulated Precipitation Departure from Normal

Green/black diamonds represent subsequent/missing values



(Click to hide/show lines)

— Portland Area, ME (ThreadEx):Precip Dprt  
— Rochester Area, NY (ThreadEx):Precip Dprt

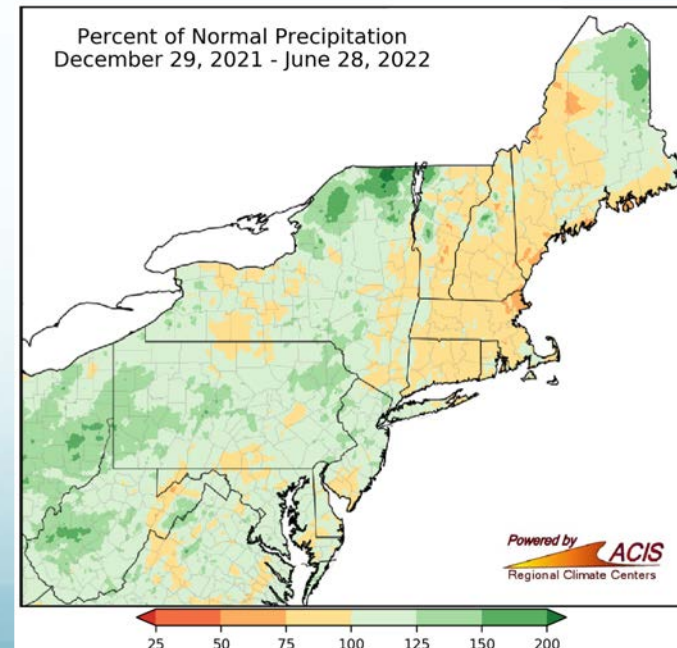
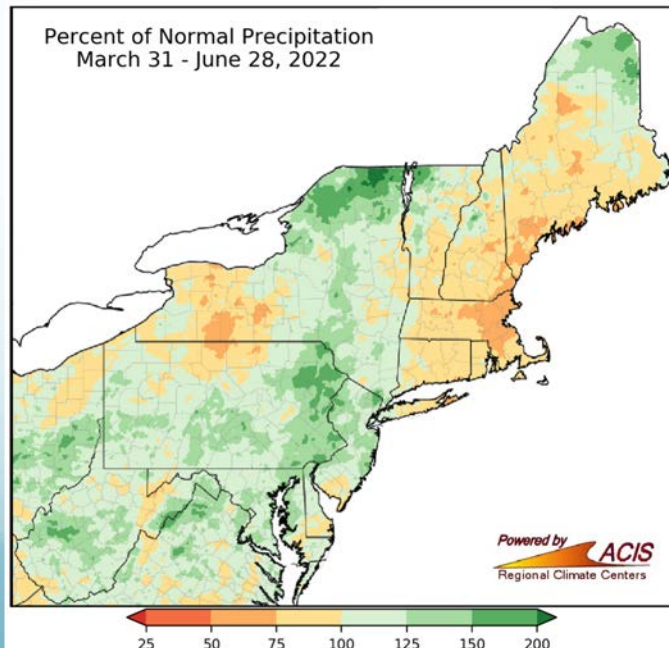
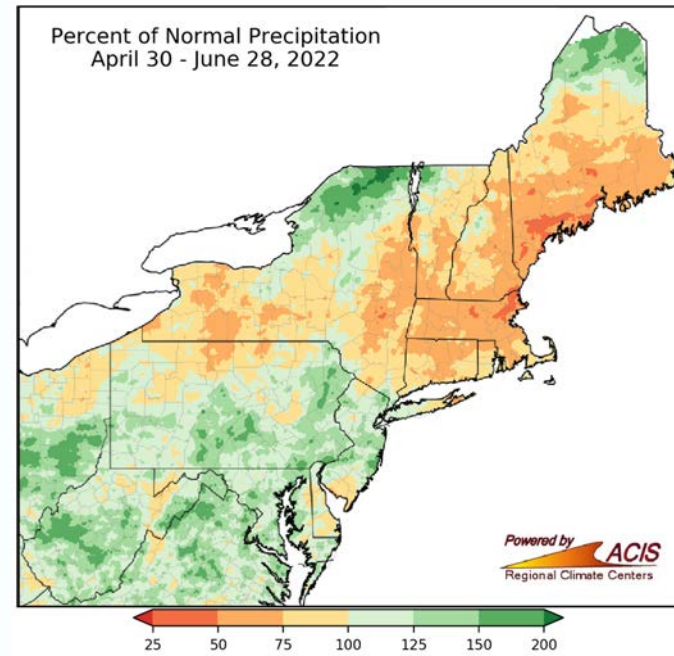
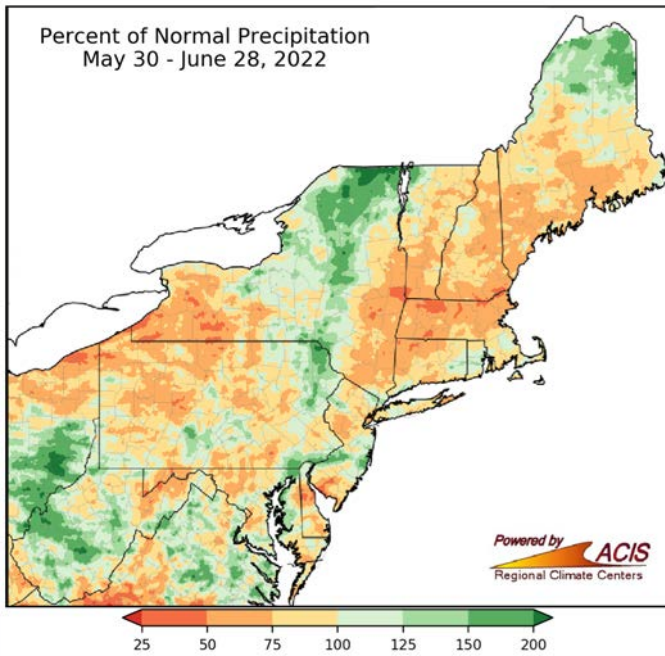
— Boston Area, MA (ThreadEx):Precip Dprt

— Providence Area, RI (ThreadEx):Precip Dprt

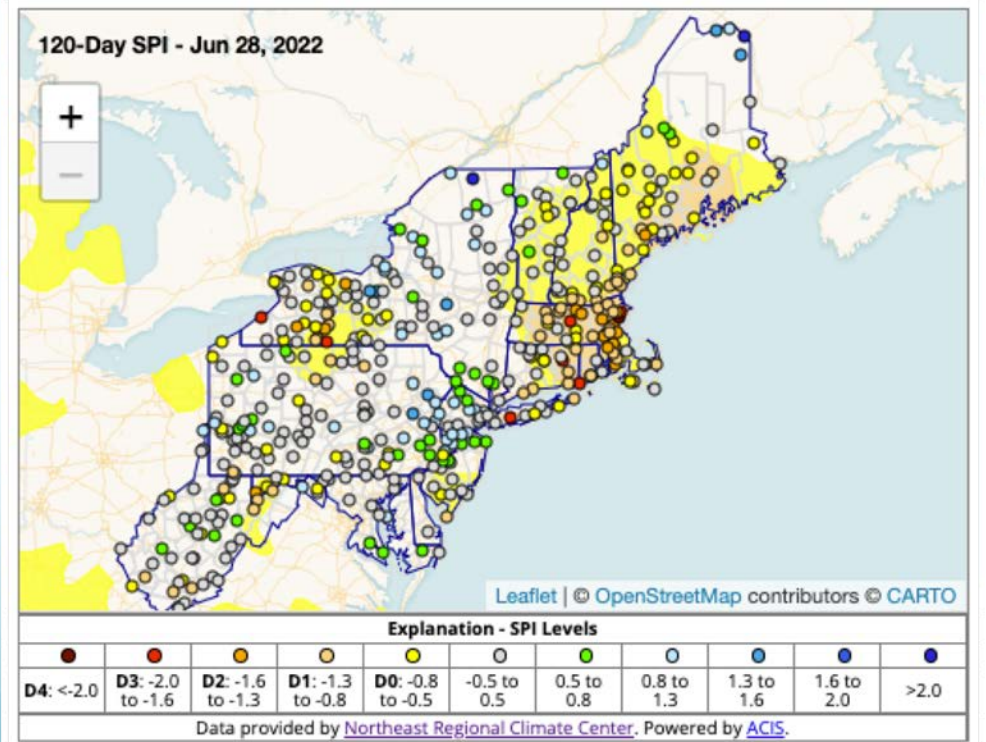
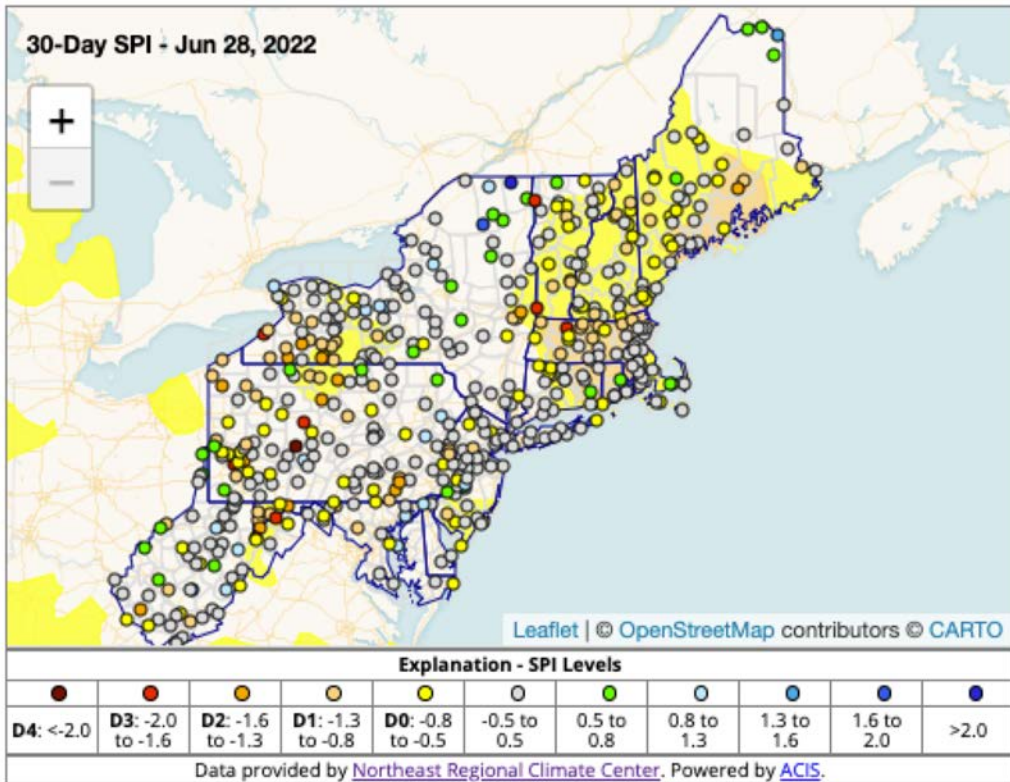
Powered by ACIS



# Precipitation

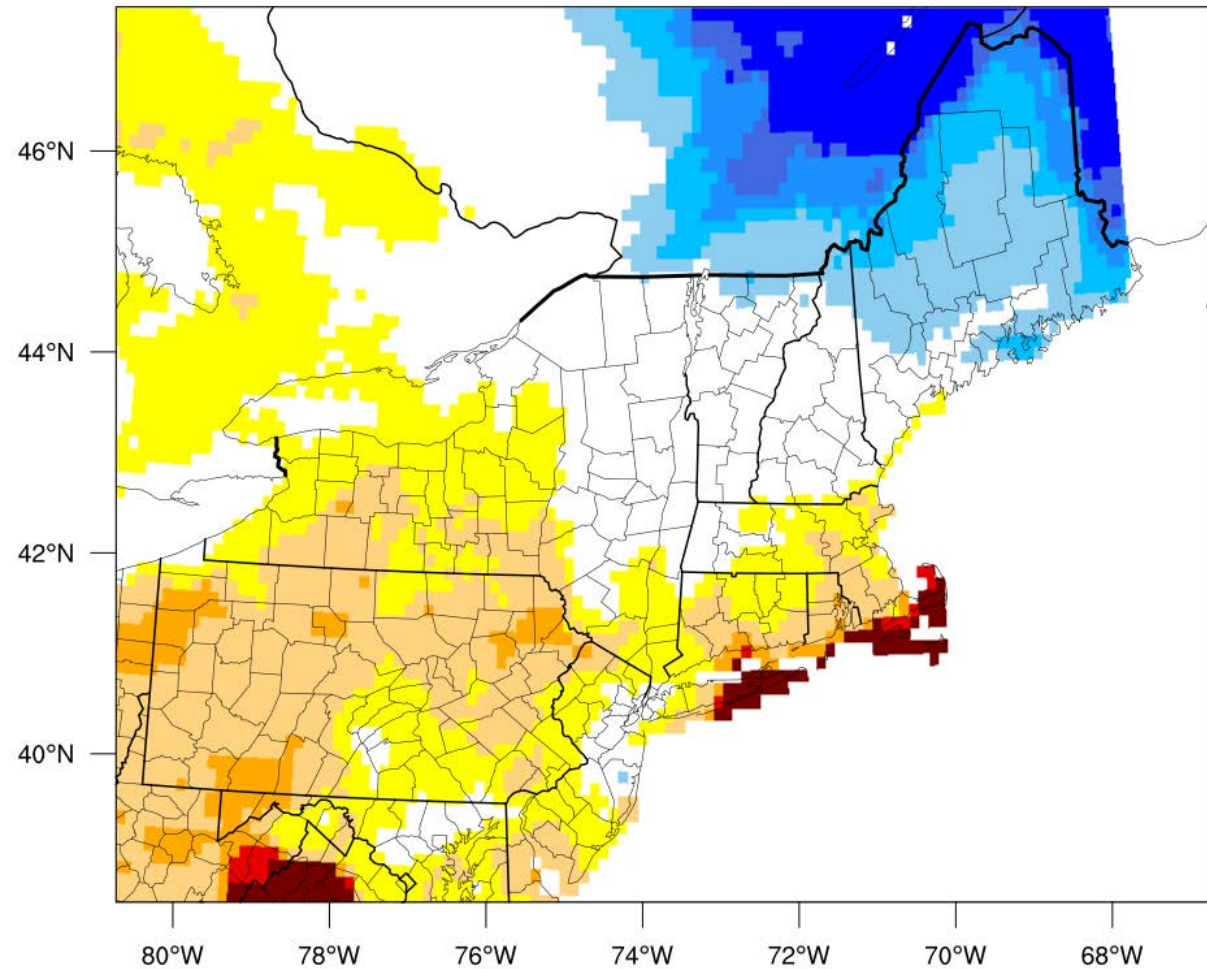


# Standardized Precipitation Index



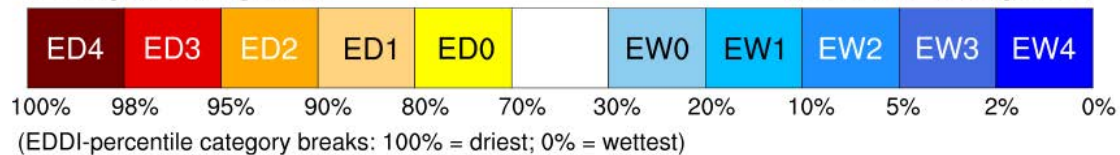
# Evap. Demand Drought Index

3-week EDDI categories for June 24, 2022



Drought categories

Wetness categories



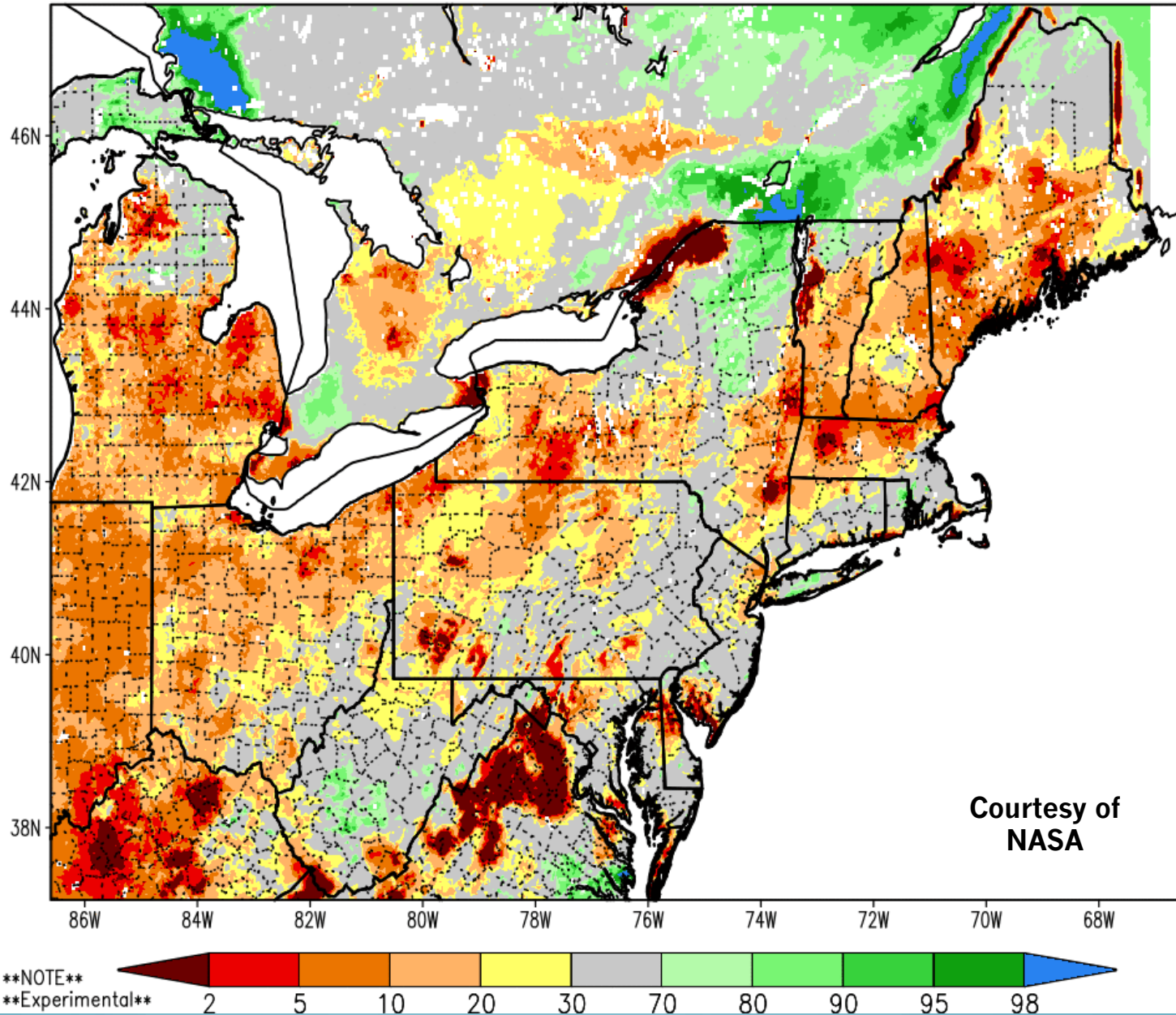
Generated by NOAA/ESRL/Physical Sciences Laboratory



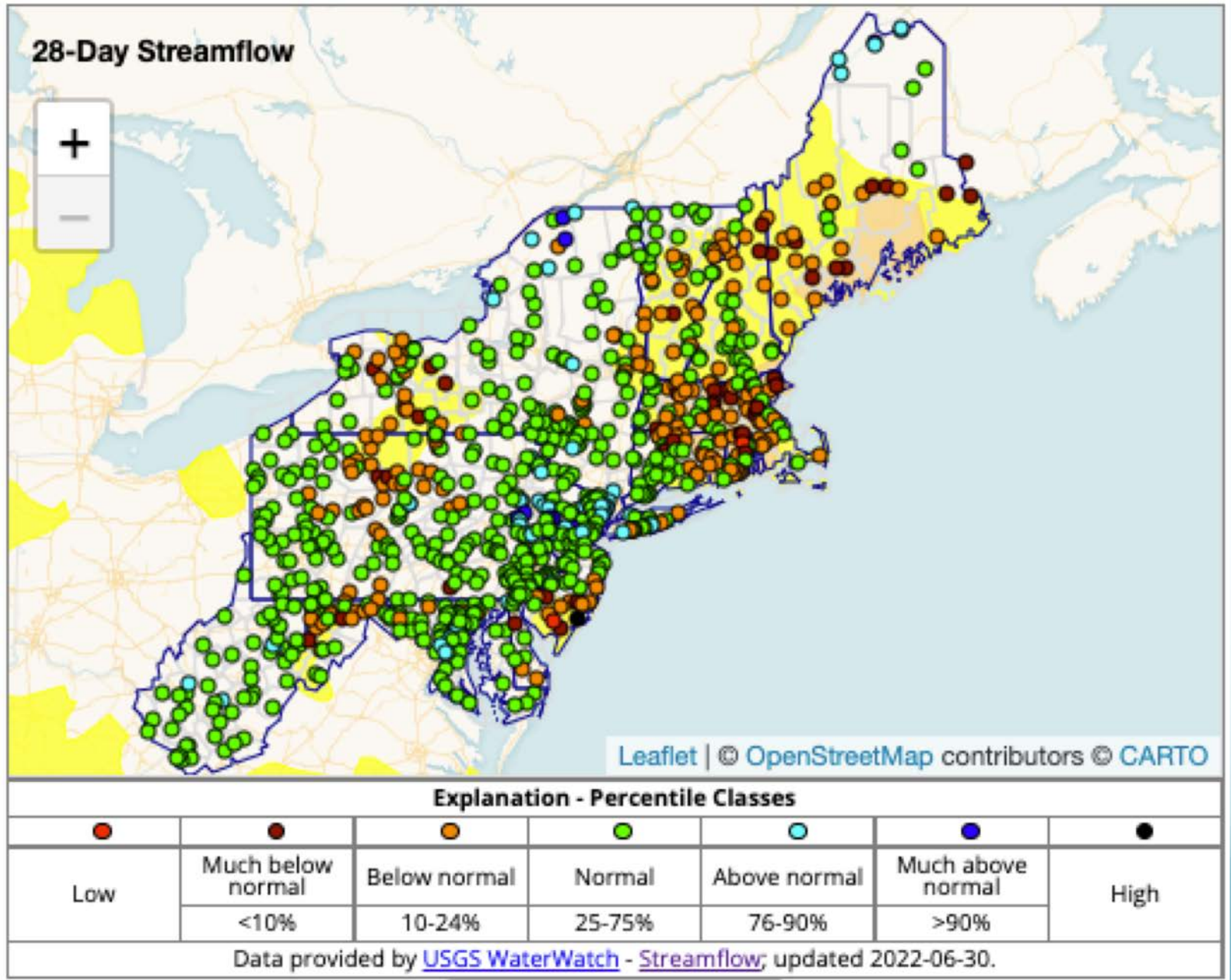


# Soil Moisture

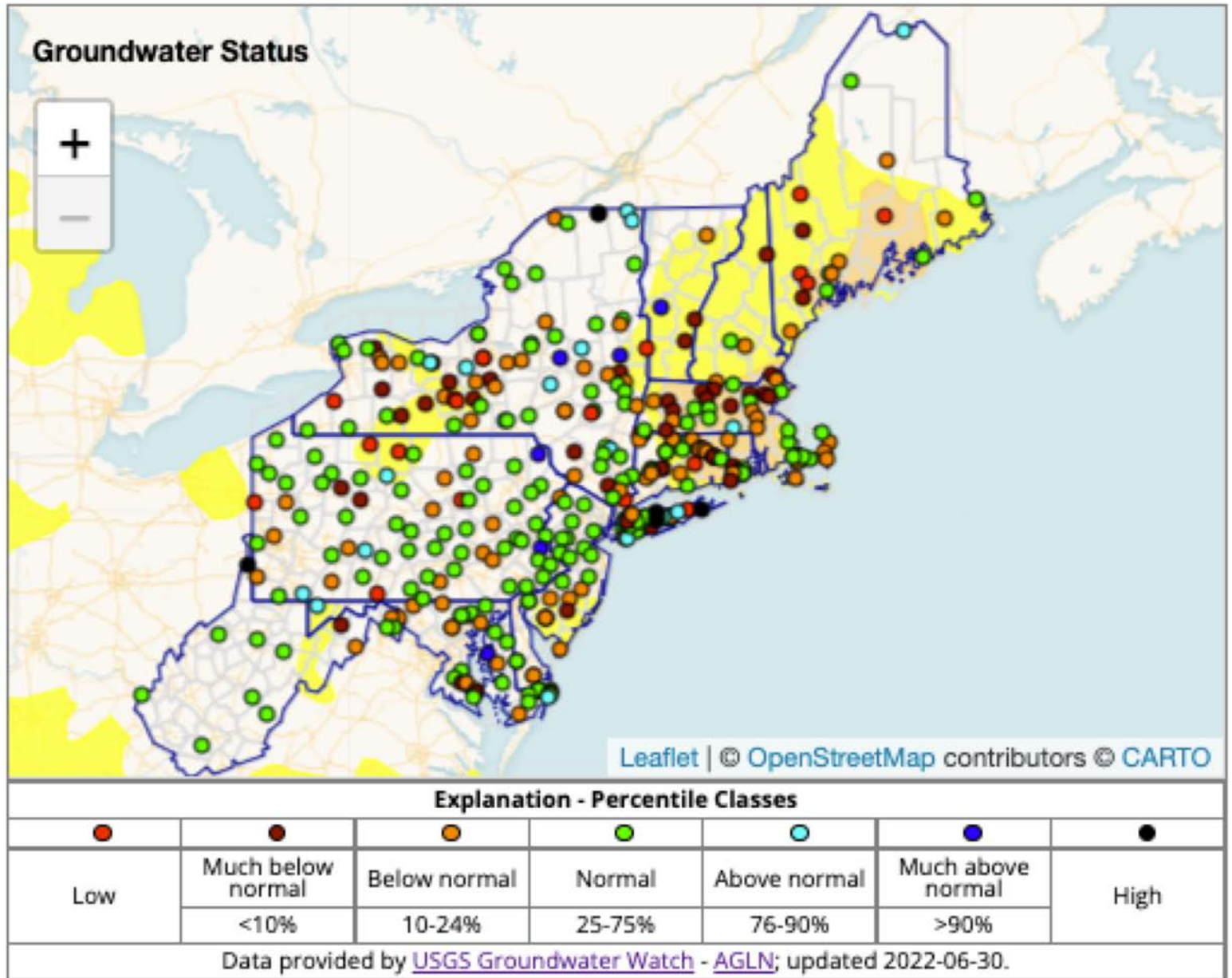
SPoRT-LIS 0-100 cm Soil Moisture percentile valid 30 Jun 2022



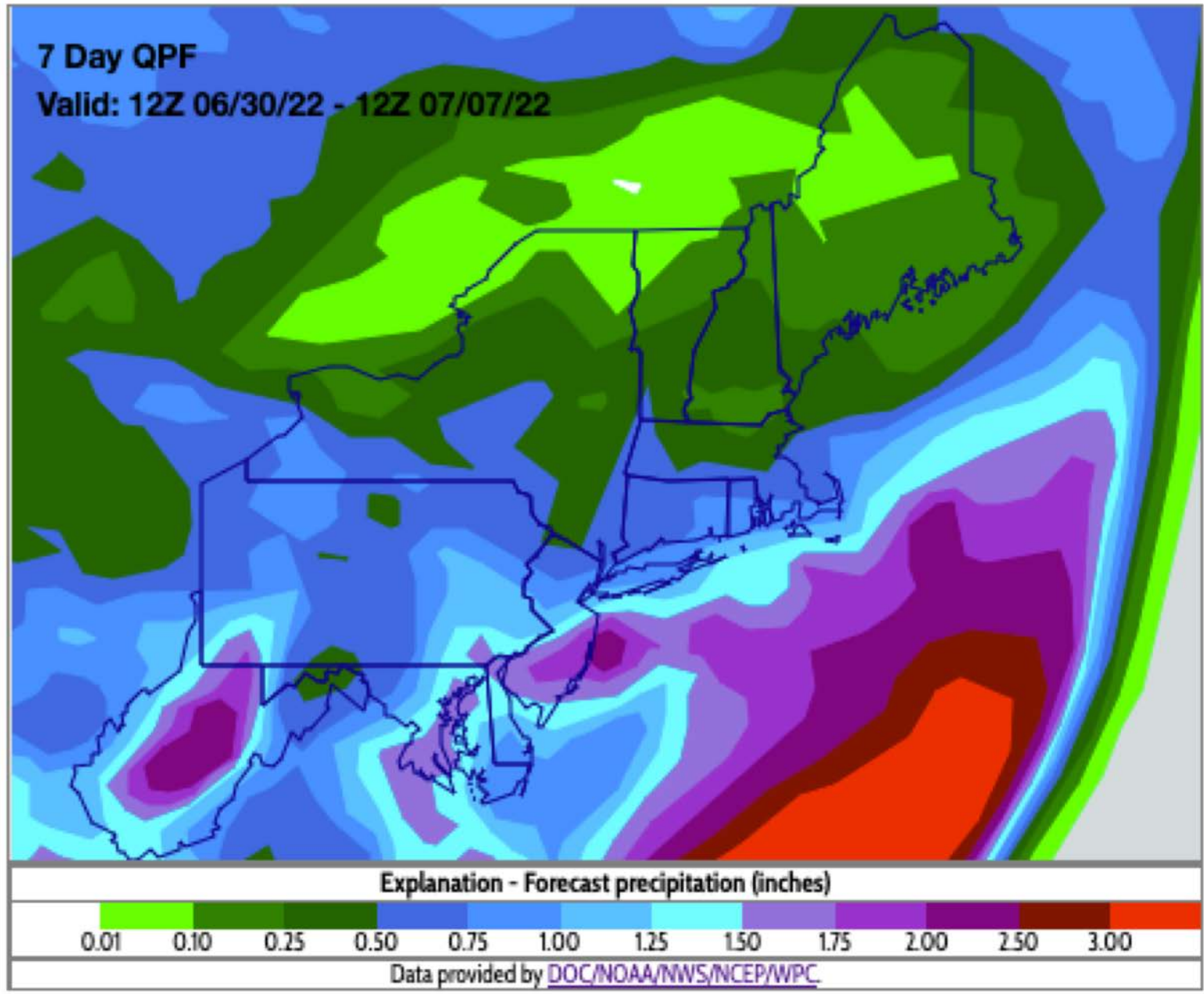
# Streamflow



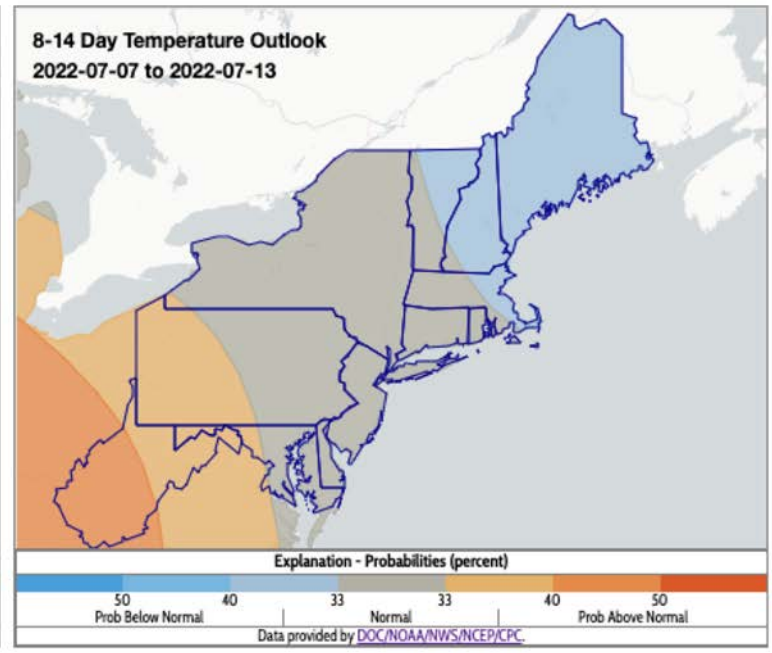
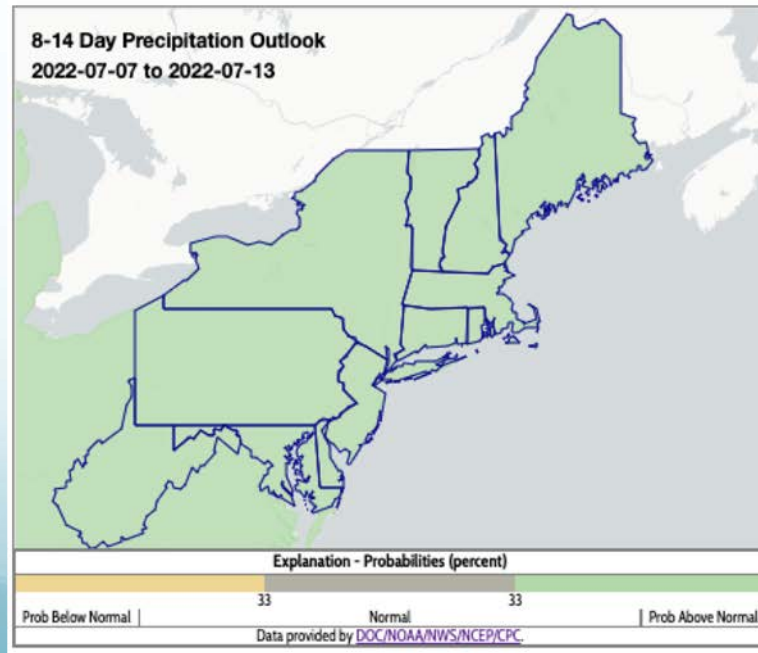
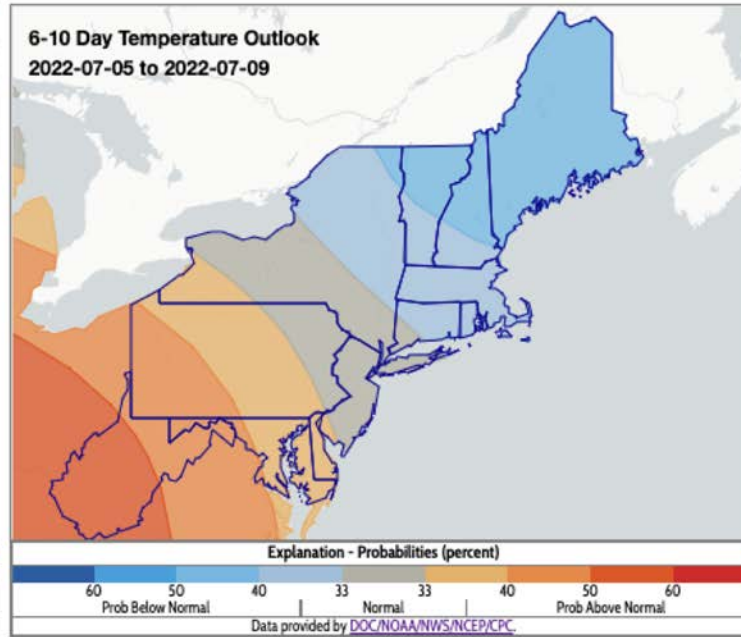
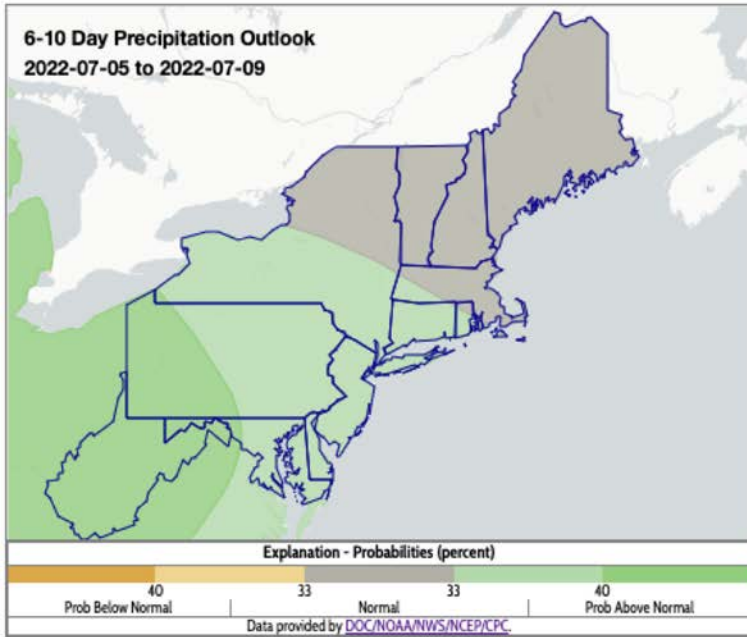
# Groundwater



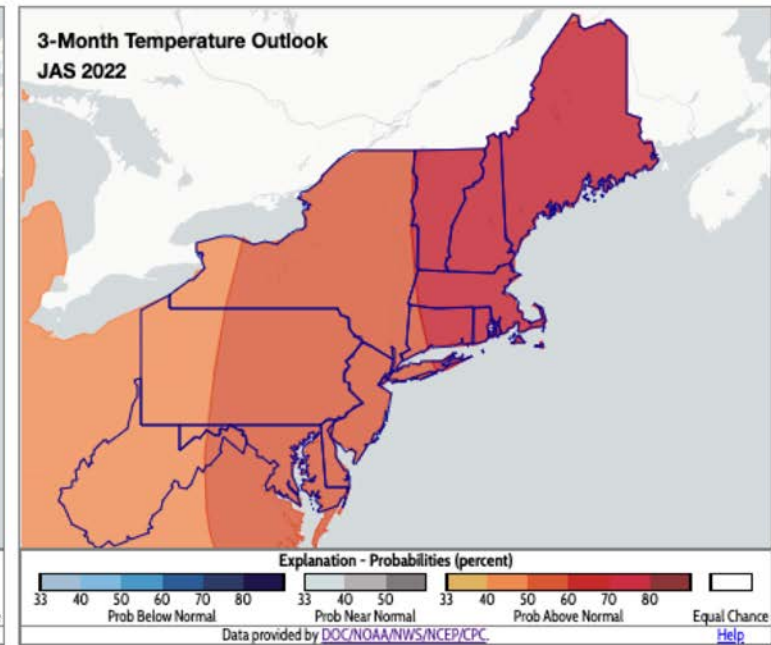
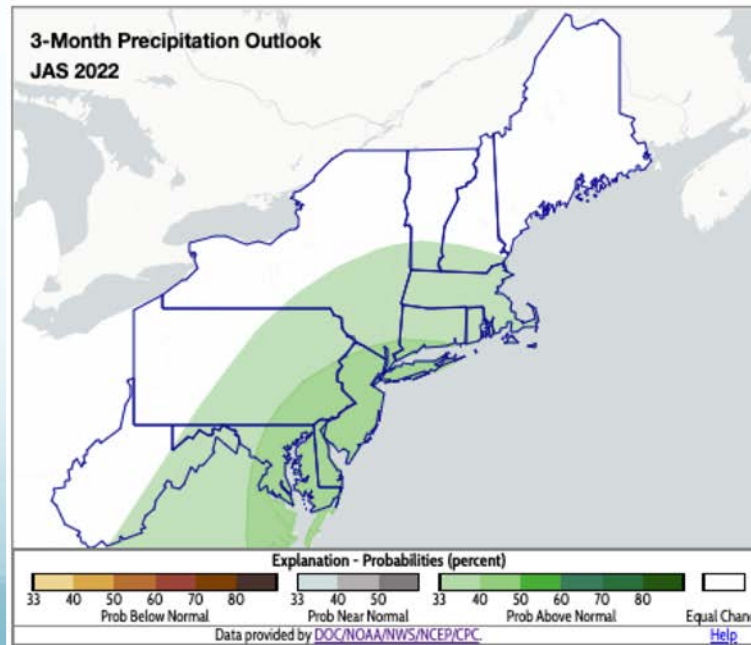
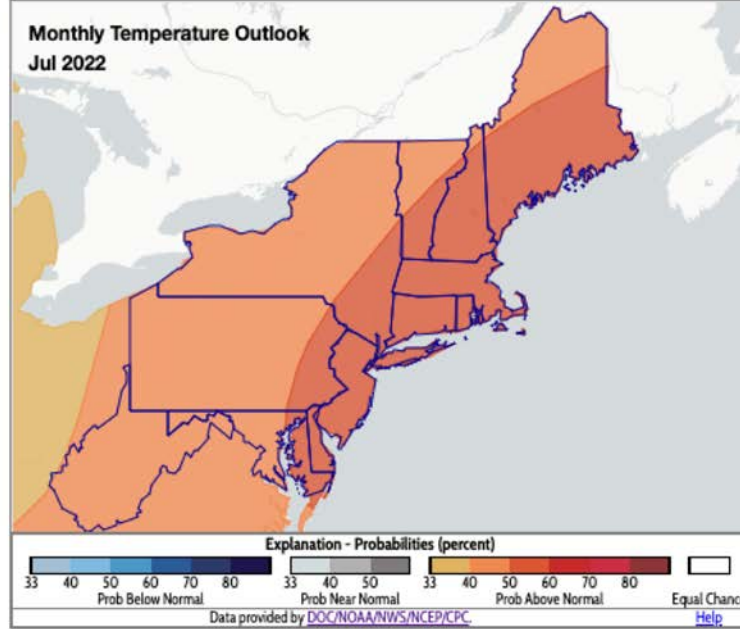
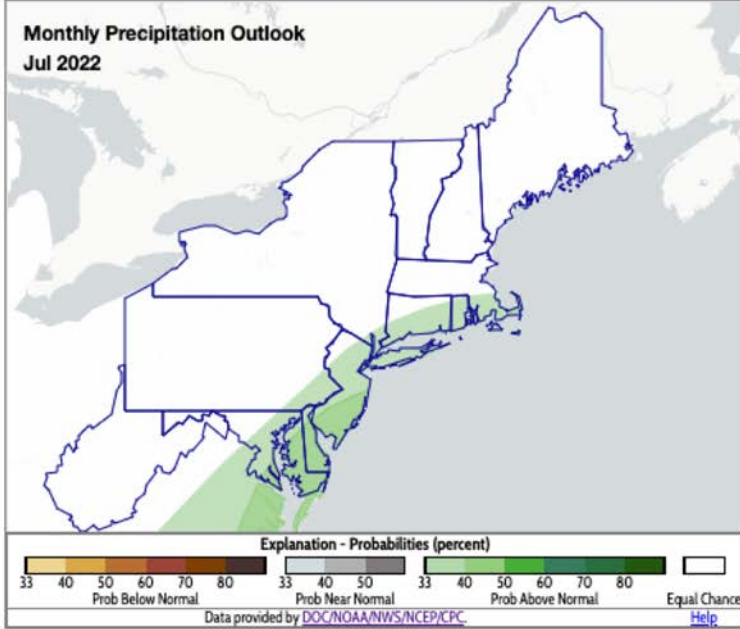
# Precipitation Forecast



# Short-term Outlooks



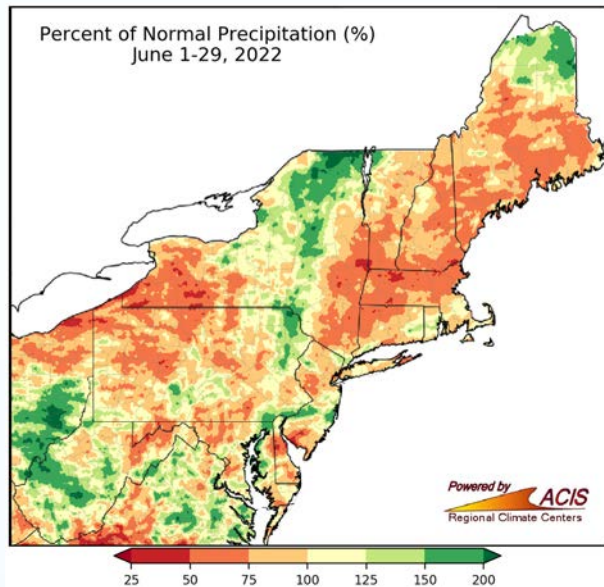
# Monthly & 3-Month Outlooks



# Summary

## June-to-date conditions:

- A wide range of temperatures
- Variable precipitation amounts but many areas below or near normal



## Drought:

- Conditions deteriorated, particularly in New England, due to below-normal precipitation, below-normal streamflow and groundwater levels, and declining soil moisture

## Outlooks:

- Short-term outlooks: near- or above-normal precipitation; cooler in New England and warmer in southwestern corner of region
- July and July-September: southeastern corner of region could be wetter; above-normal temperatures for all



# Contact Information

- [nrcc@cornell.edu](mailto:nrcc@cornell.edu)

## Upcoming Webinars

- Thursday, July 28 at 9:30am
  - Climate Migration
- Tuesday, August 30 at 9:30am
  - Atlantic Hurricane Season Update and Outlook
- Thursday, September 29 at 9:30am
  - Seasonal Bird Migration



[www.nrcc.cornell.edu](http://www.nrcc.cornell.edu)