

May Conditions & Northeast DEWS Discussion

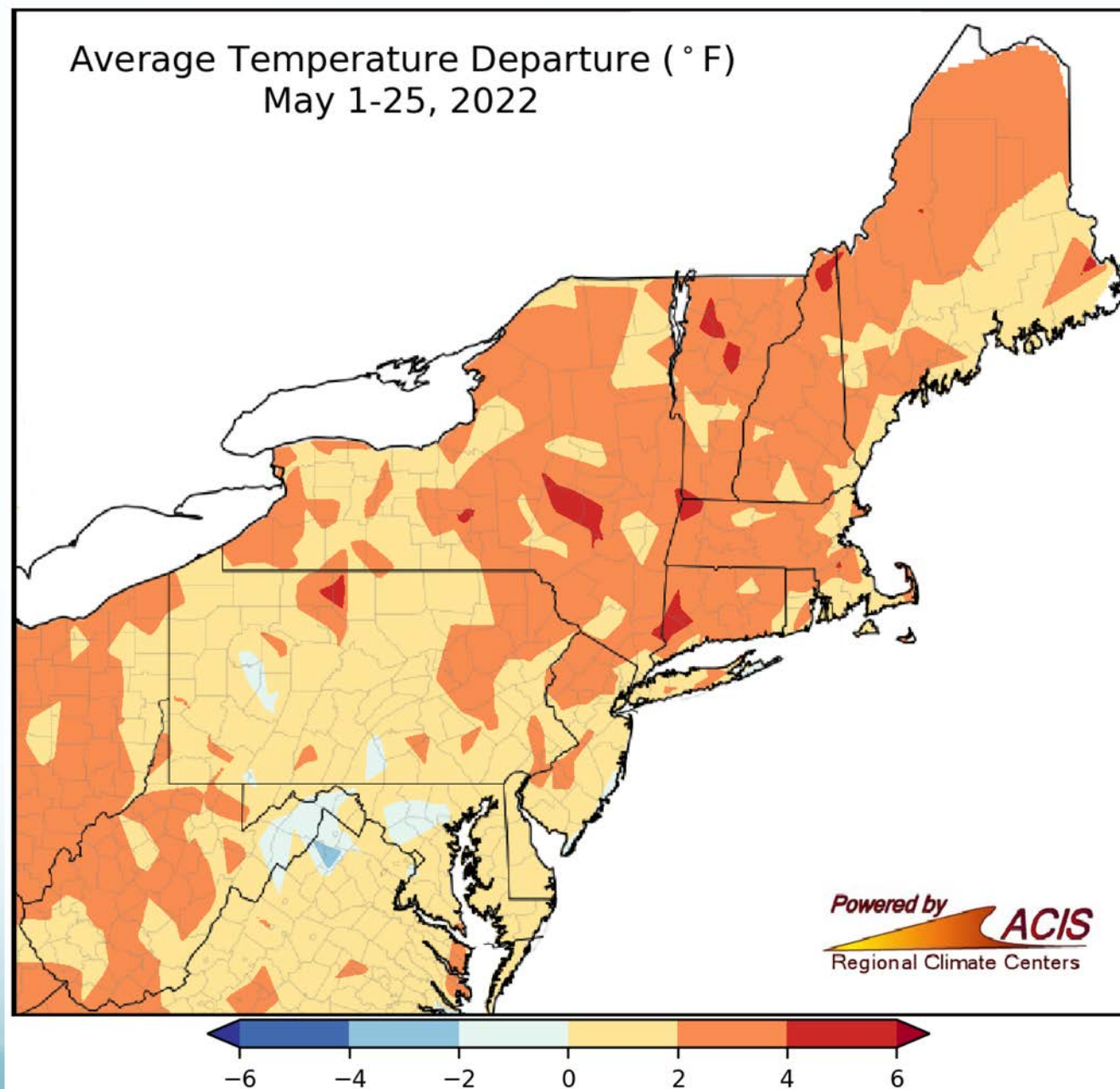
By: Samantha Borisoff, Climatologist
Northeast Regional Climate Center



Northeast Regional
Climate Center

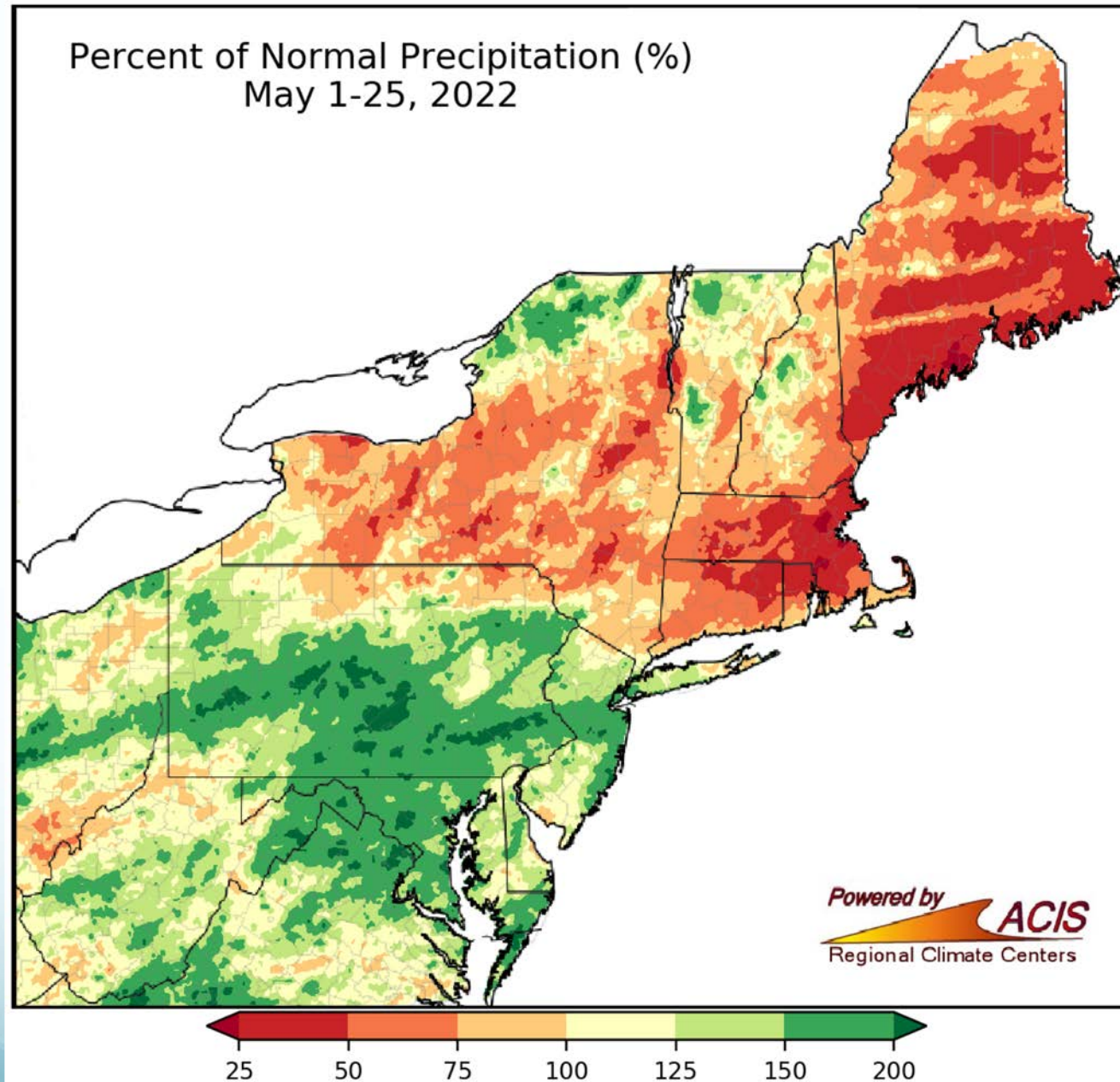


May Temperatures



From near normal to 4°F above normal for most areas

May Precipitation

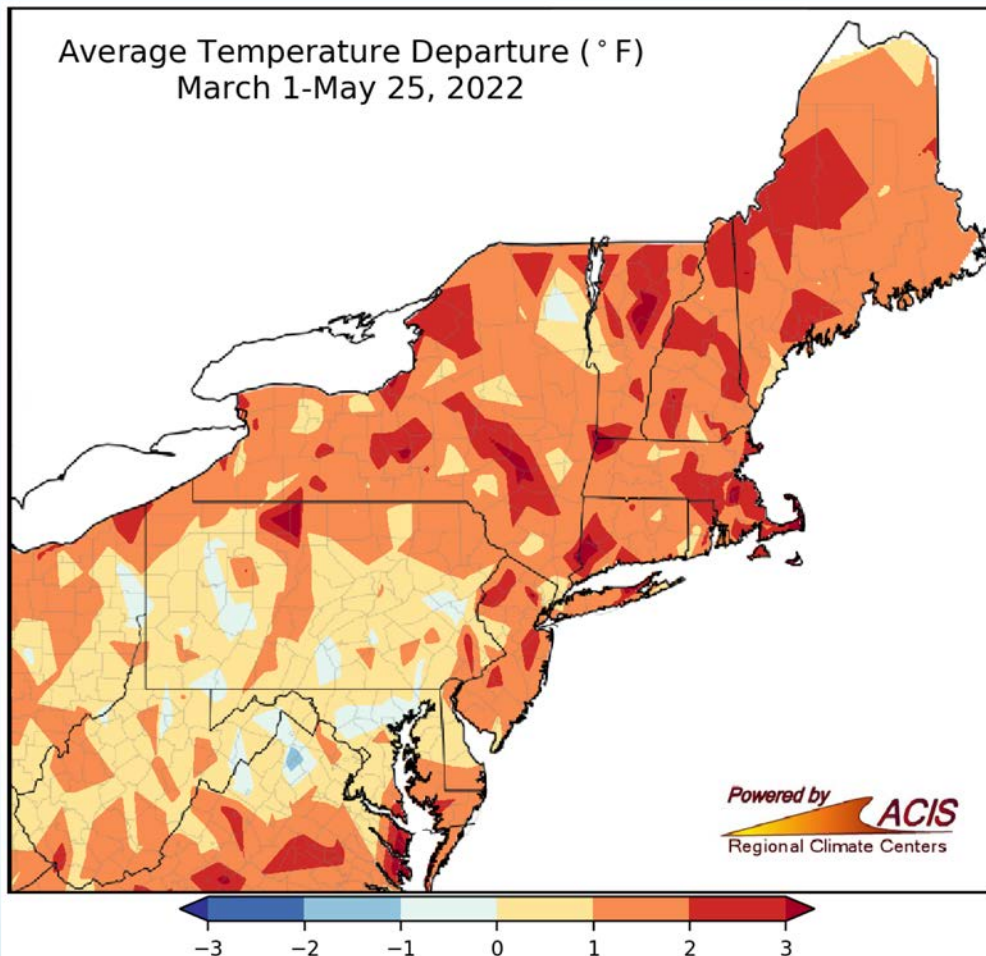


From 25% of normal to more than 200% of normal



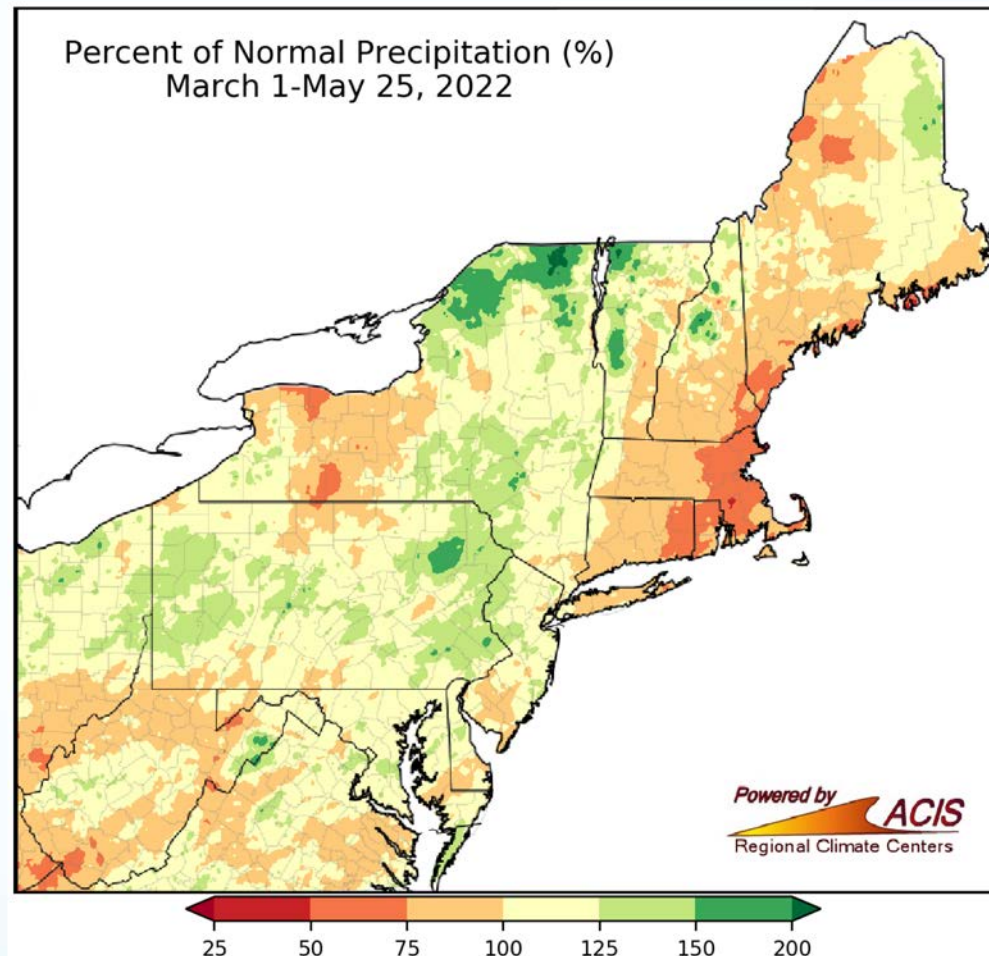
Spring Conditions

Average Temperature Departure (°F)
March 1-May 25, 2022



From near normal to
3°F above normal

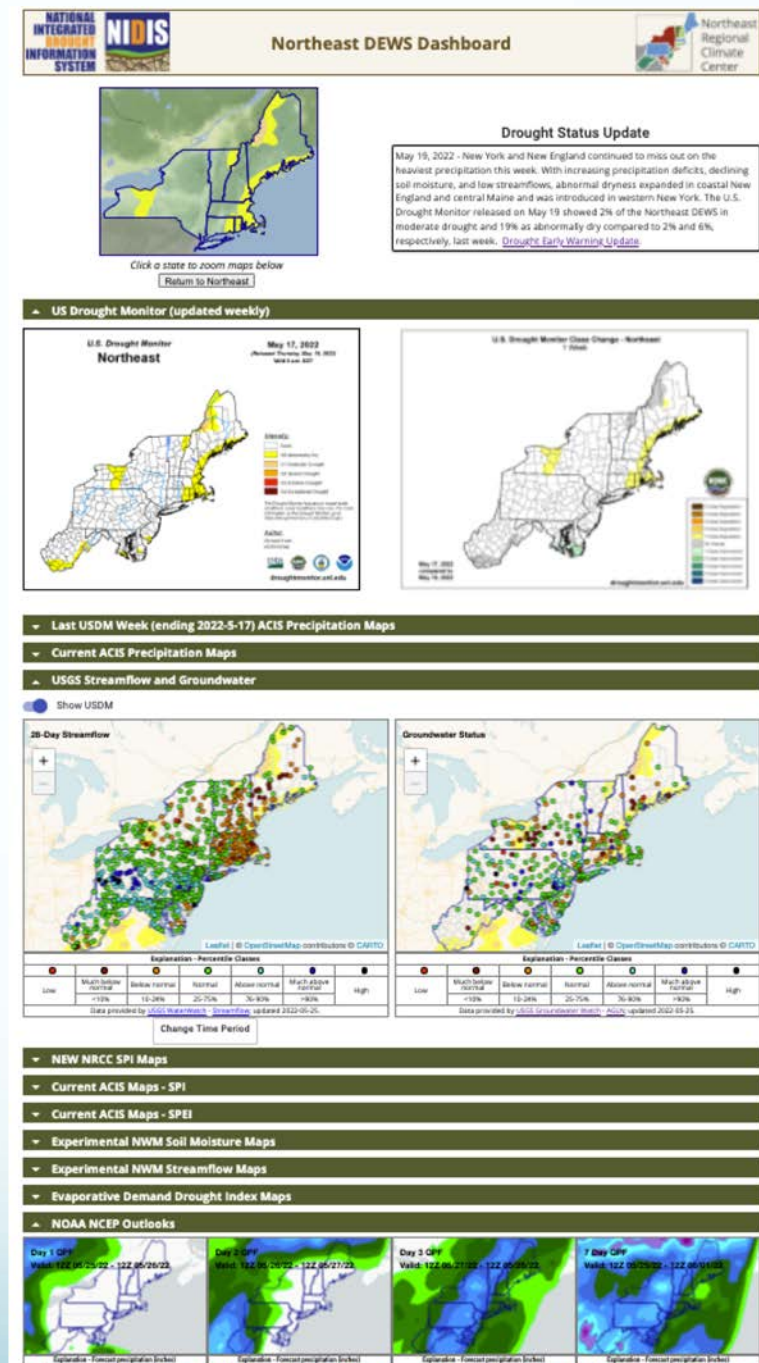
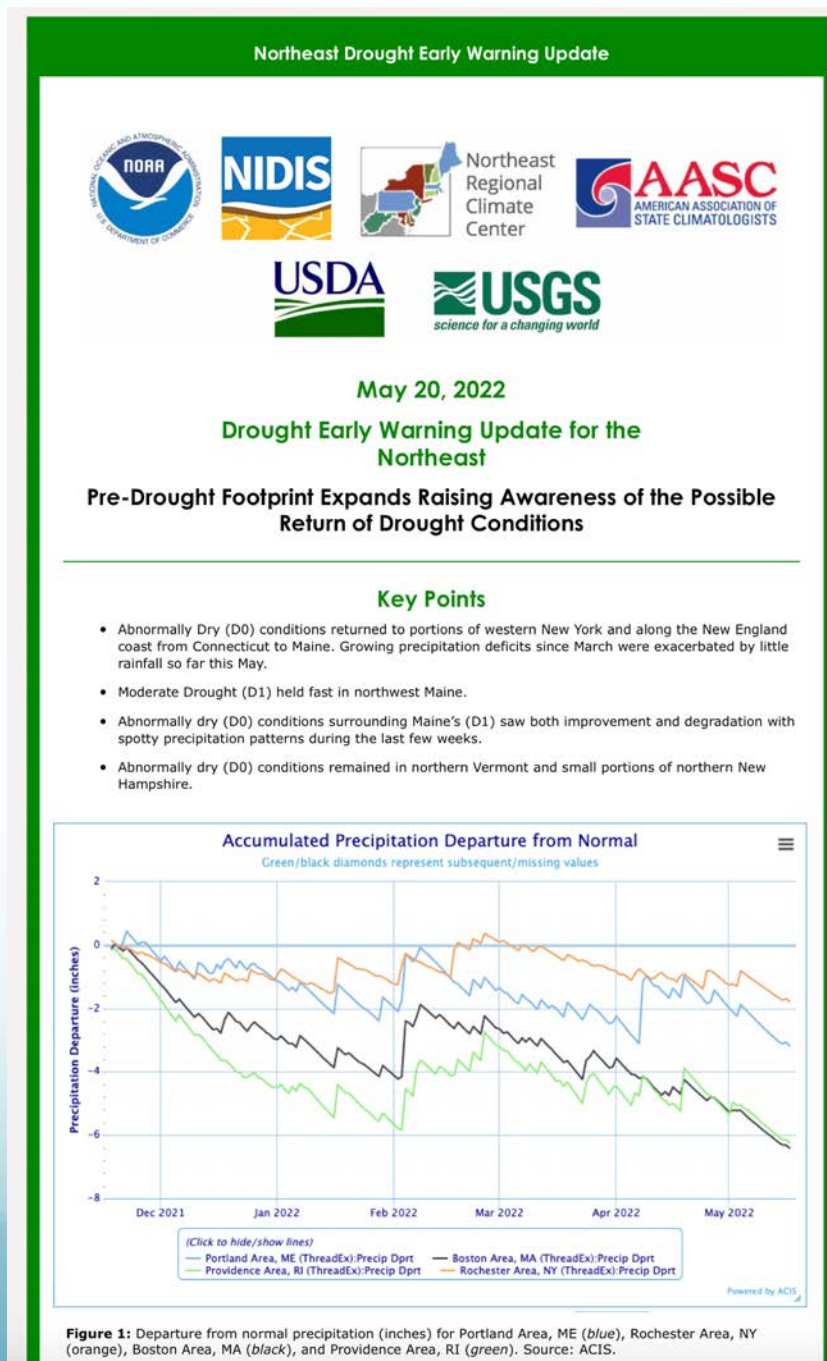
Percent of Normal Precipitation (%)
March 1-May 25, 2022



From 50% of normal to
200% of normal



Drought Resources



<https://nedews.nrcc.cornell.edu/>

Drought Monitor

U.S. Drought Monitor Northeast

April 26, 2022
(Released Thursday, Apr. 28, 2022)
Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0	D1	D2	D3	D4
Current	81.37	17.40	1.24	0.00	0.00	0.00
Last Week 04-19-2022	81.37	17.40	1.24	0.00	0.00	0.00
3 Months Ago 01-25-2022	89.35	8.61	1.19	0.85	0.00	0.00
Start of Calendar Year 01-04-2022	84.91	12.92	1.32	0.85	0.00	0.00
Start of Water Year 09-28-2021	90.30	6.56	2.35	0.80	0.00	0.00
One Year Ago 04-27-2021	45.90	40.56	13.54	0.00	0.00	0.00

Intensity:

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

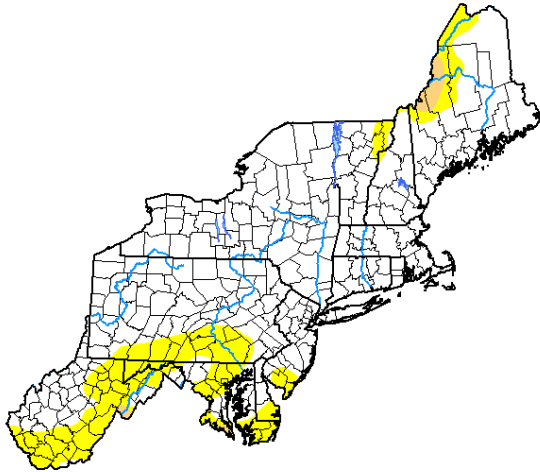
The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>

Author:

Brad Rippey
U.S. Department of Agriculture



droughtmonitor.unl.edu



U.S. Drought Monitor Northeast

May 24, 2022
(Released Thursday, May. 26, 2022)
Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0	D1	D2	D3	D4
Current	84.88	12.88	2.24	0.00	0.00	0.00
Last Week 05-17-2022	85.14	13.74	1.12	0.00	0.00	0.00
3 Months Ago 02-22-2022	82.28	15.69	1.19	0.85	0.00	0.00
Start of Calendar Year 01-04-2022	84.91	12.92	1.32	0.85	0.00	0.00
Start of Water Year 09-28-2021	90.30	6.56	2.35	0.80	0.00	0.00
One Year Ago 05-25-2021	52.41	44.75	2.83	0.00	0.00	0.00

Intensity:

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

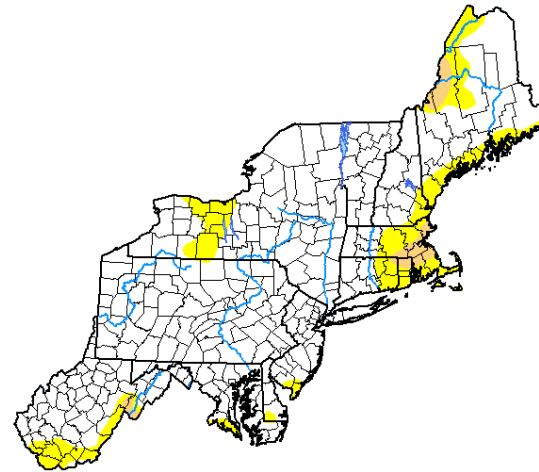
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NCEI/NOAA



droughtmonitor.unl.edu



Precipitation

Accumulated Precipitation Departure from Normal

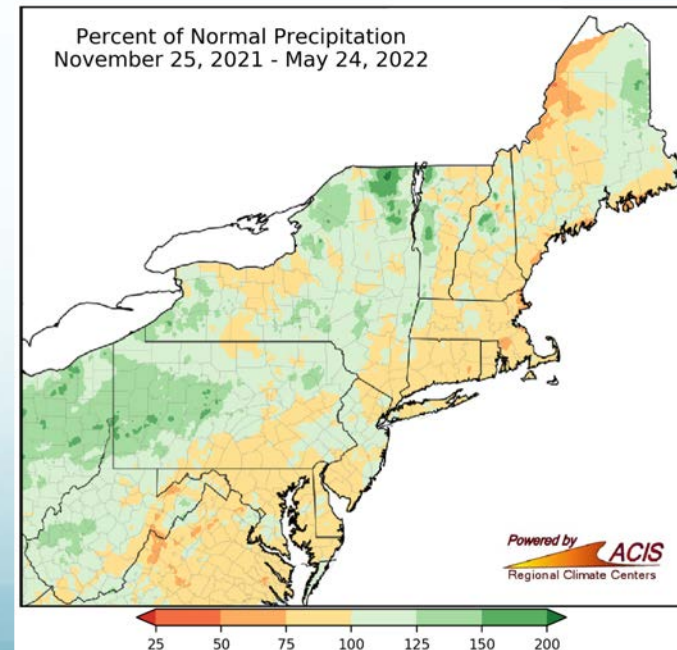
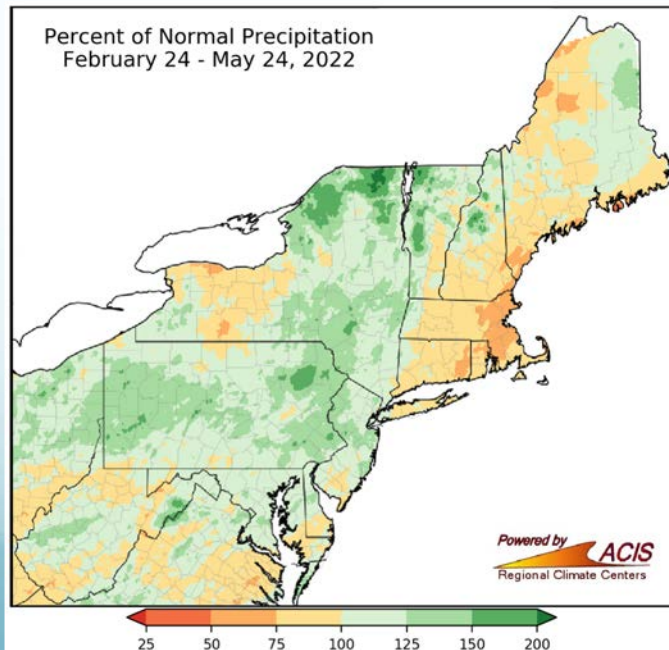
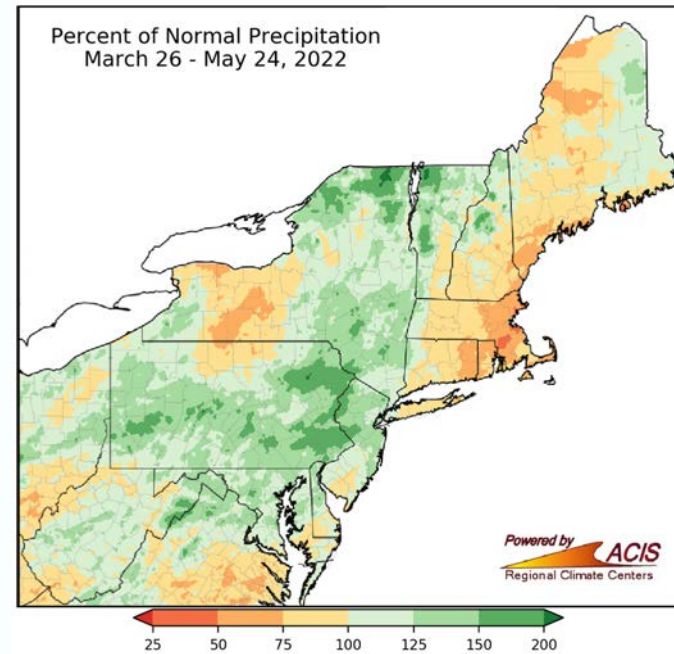
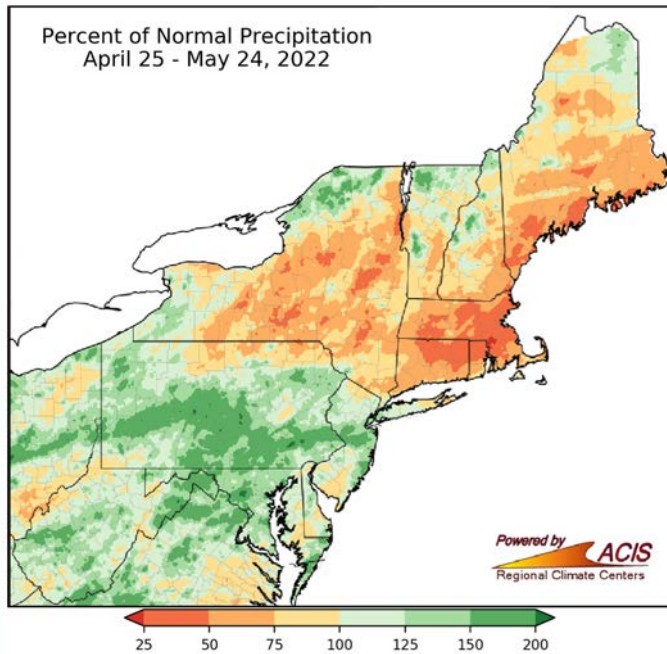
Green/black diamonds represent subsequent/missing values



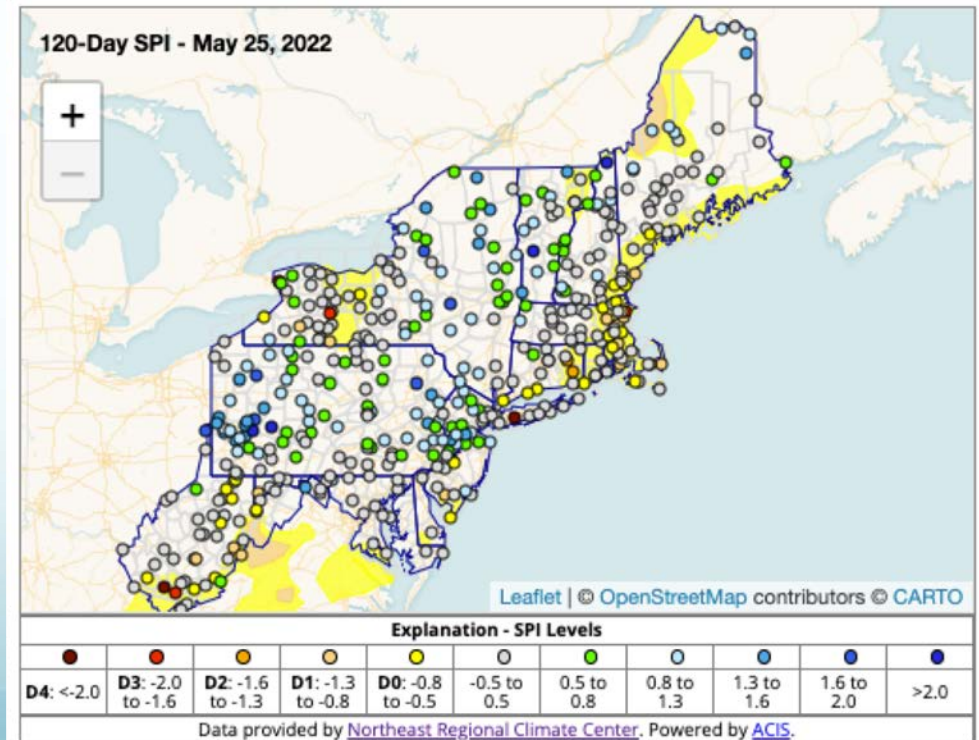
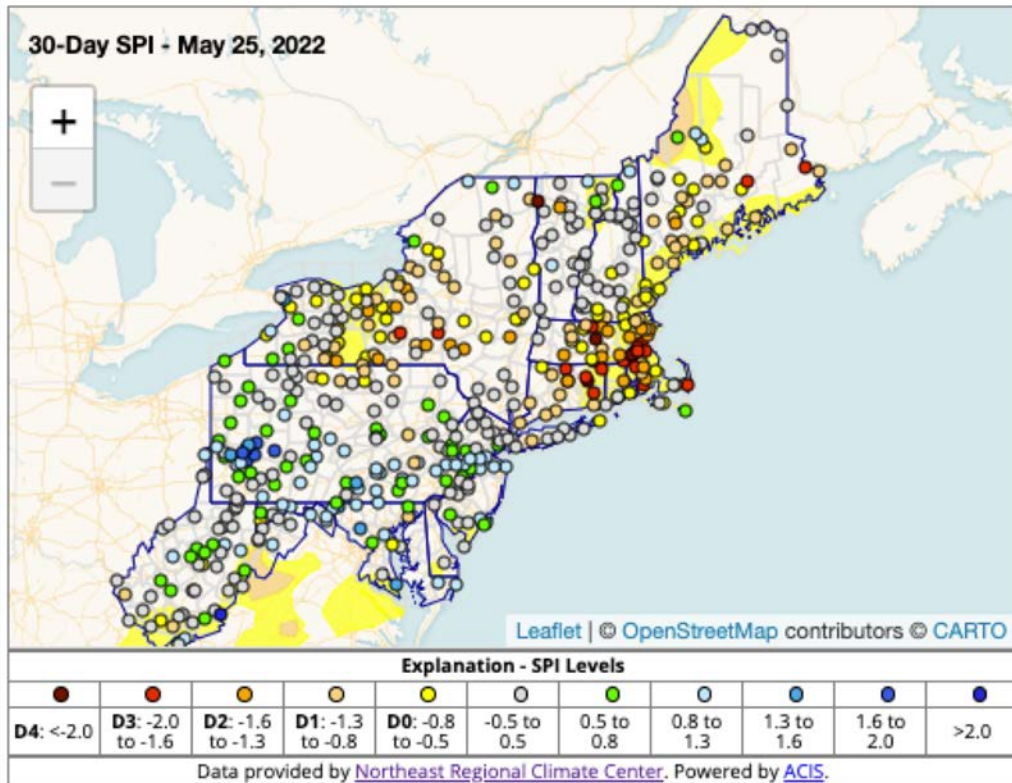
Powered by ACIS



Precipitation

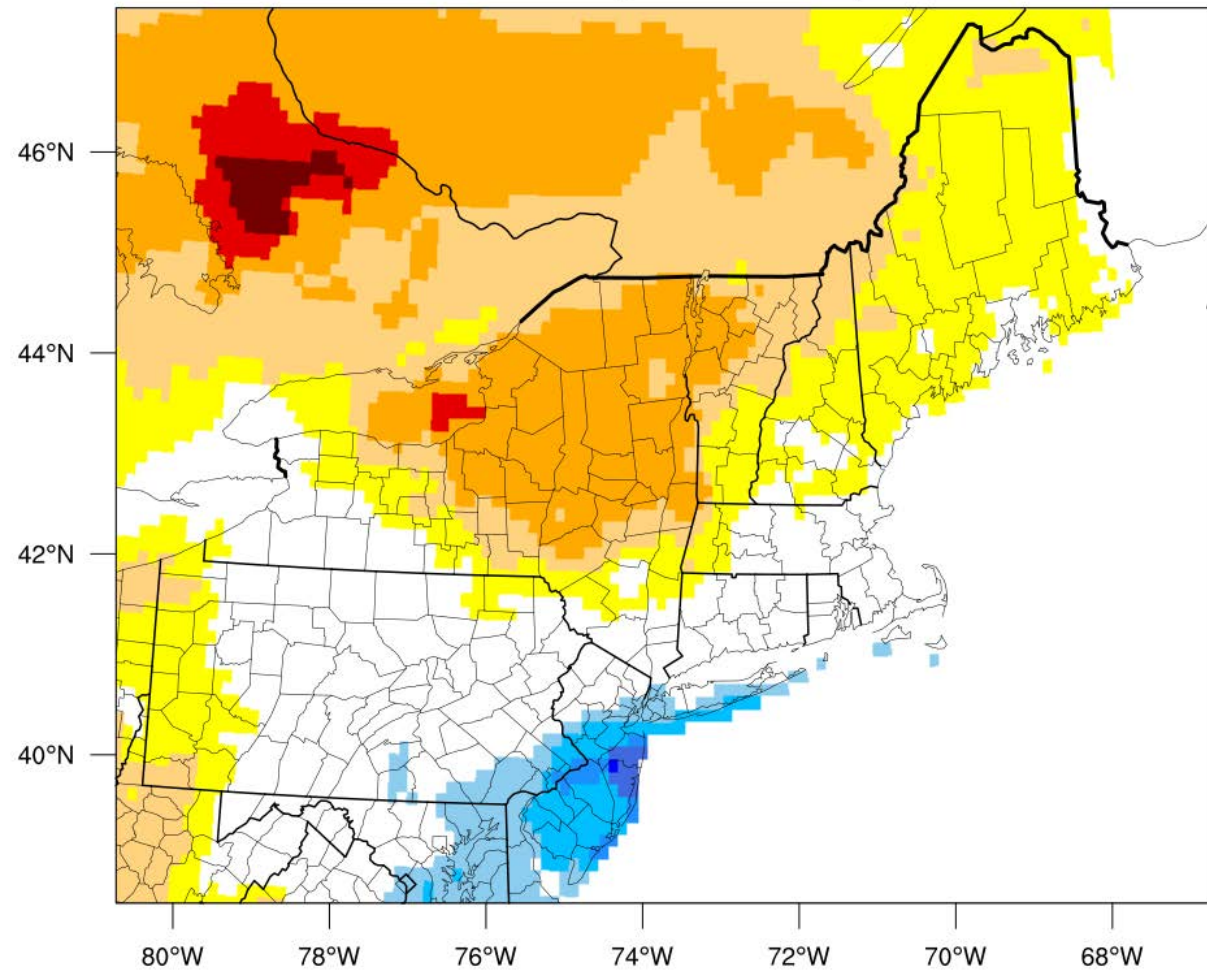


Standardized Precipitation Index



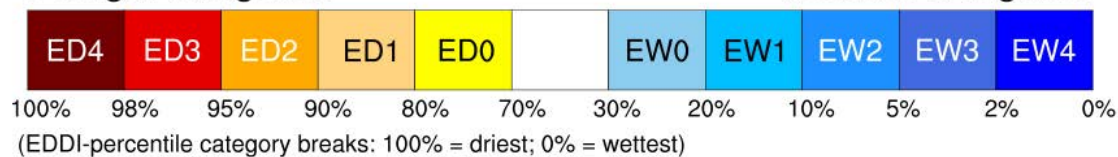
Evap. Demand Drought Index

3-week EDDI categories for May 20, 2022



Drought categories

Wetness categories

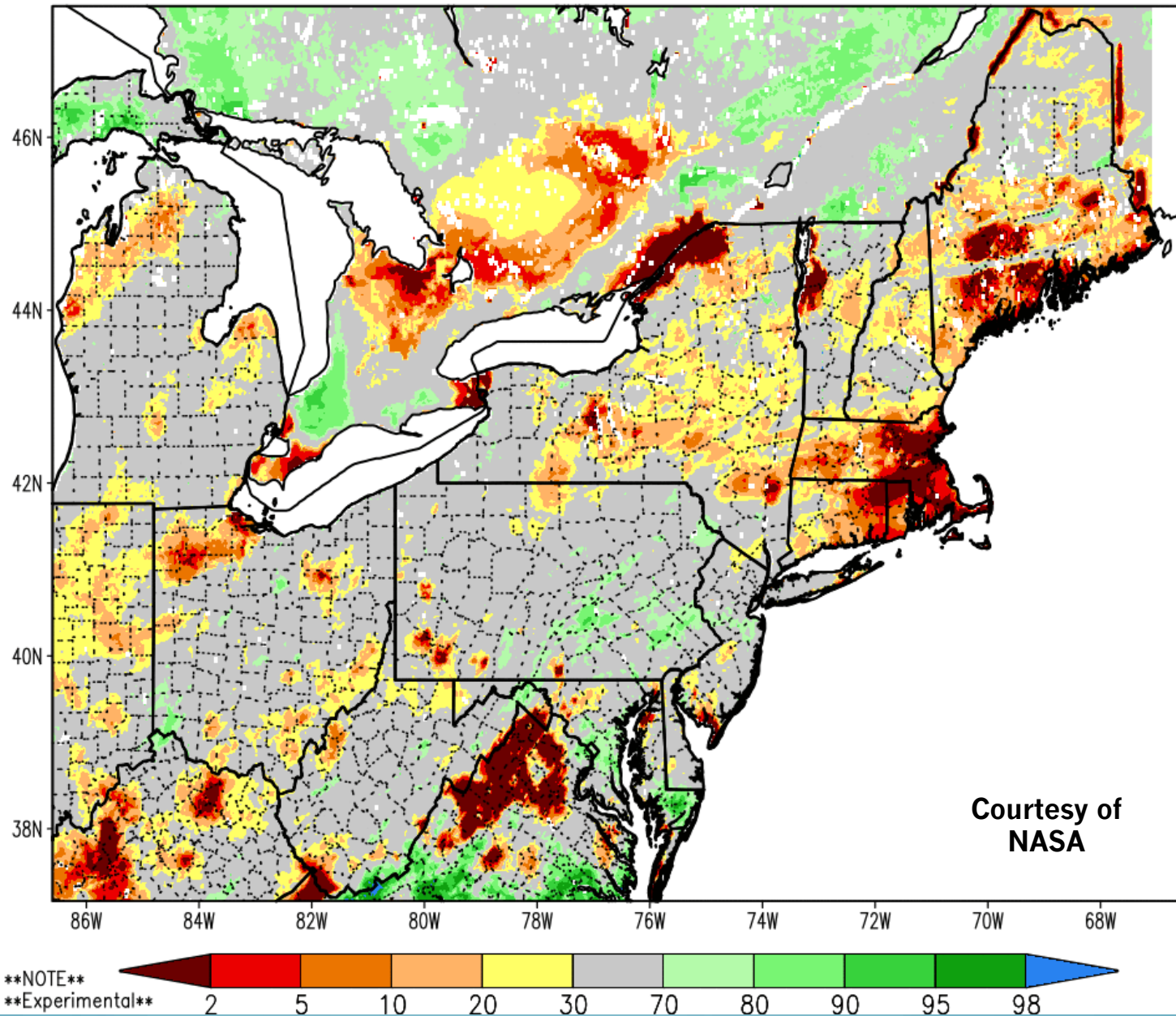


Generated by NOAA/ESRL/Physical Sciences Laboratory

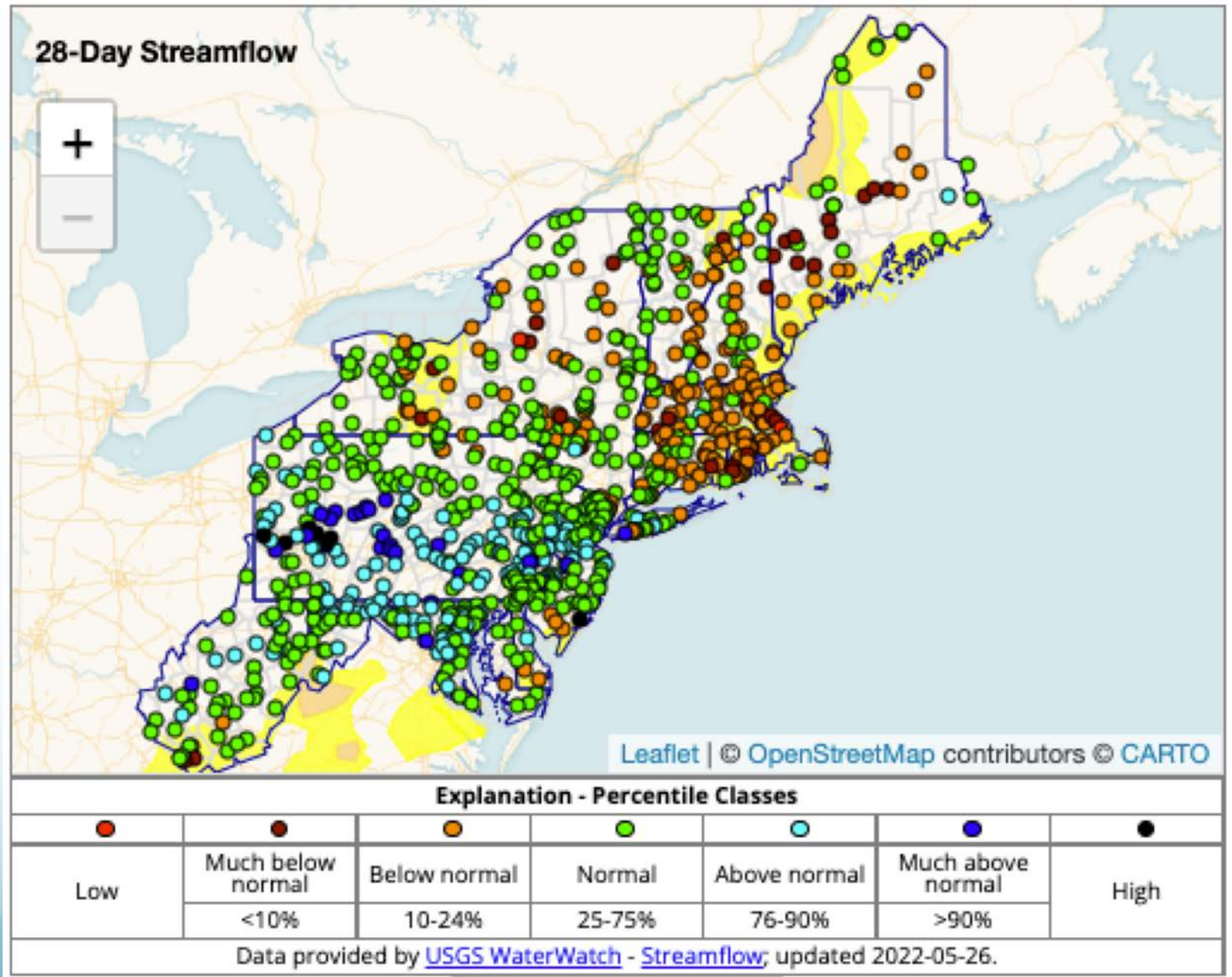


Soil Moisture

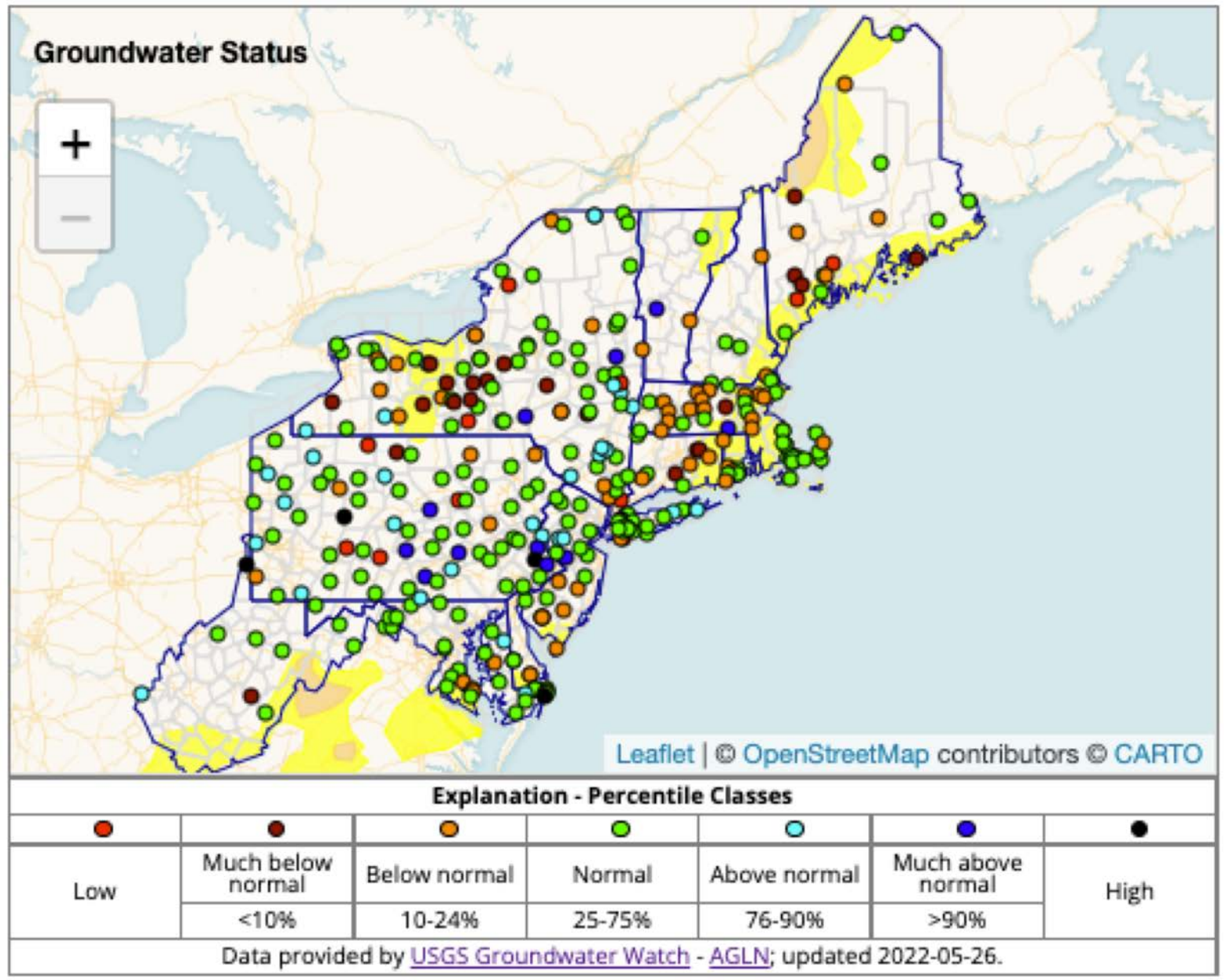
SPoRT-LIS 0-100 cm Soil Moisture percentile valid 26 May 2022



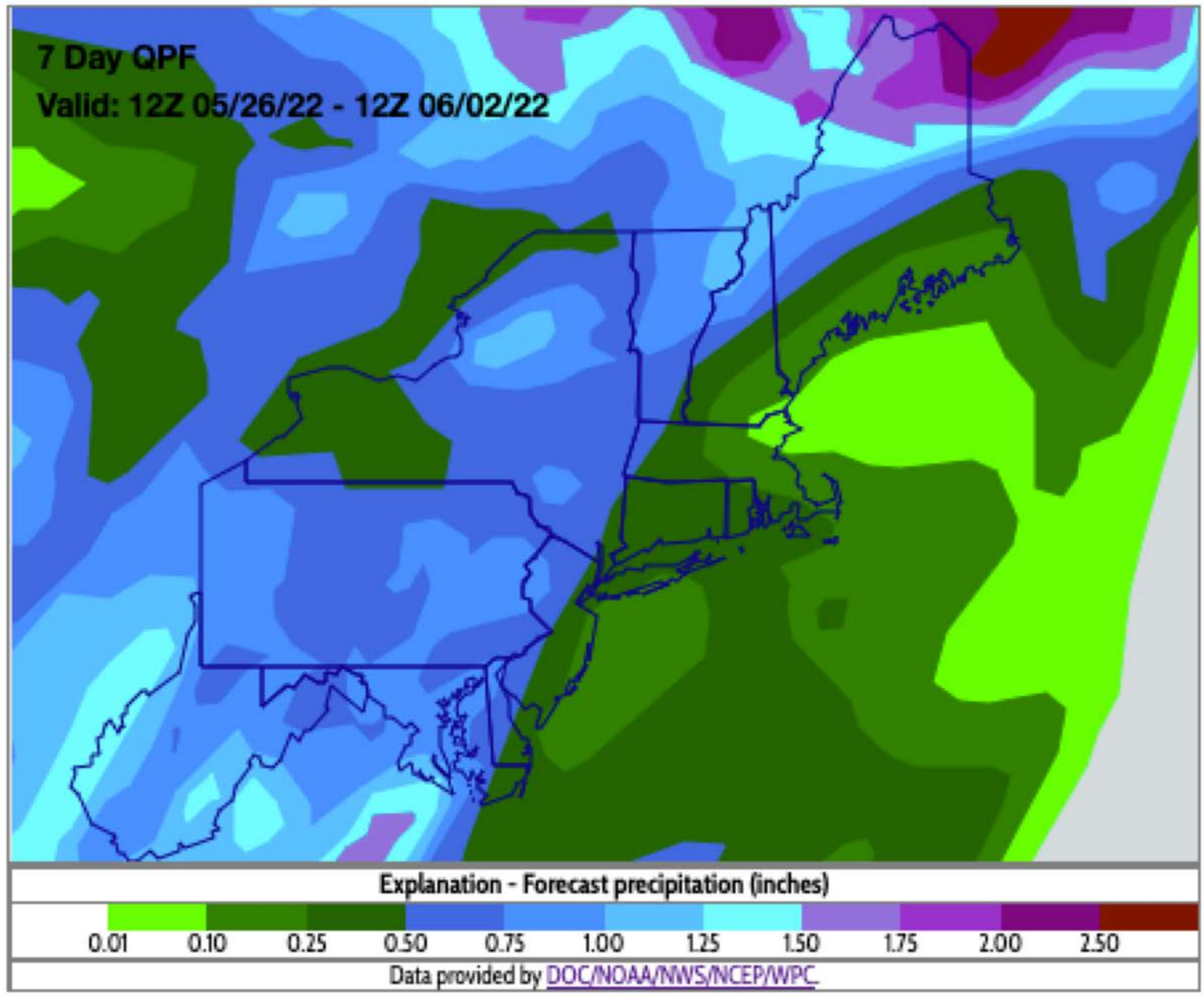
Streamflow



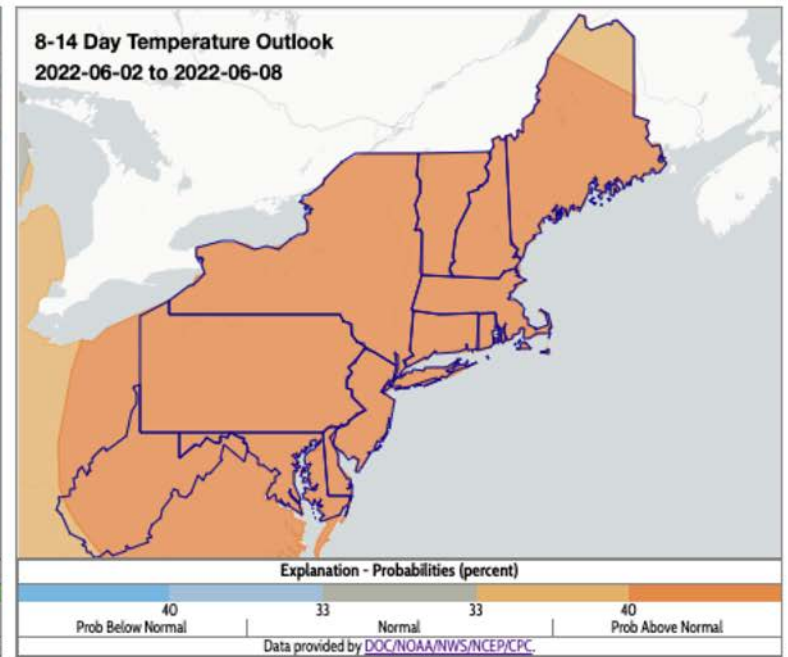
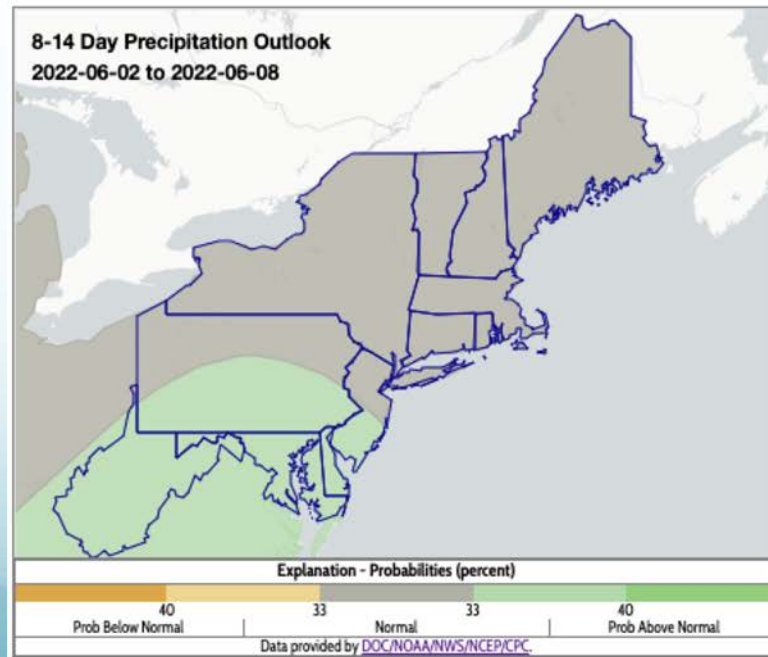
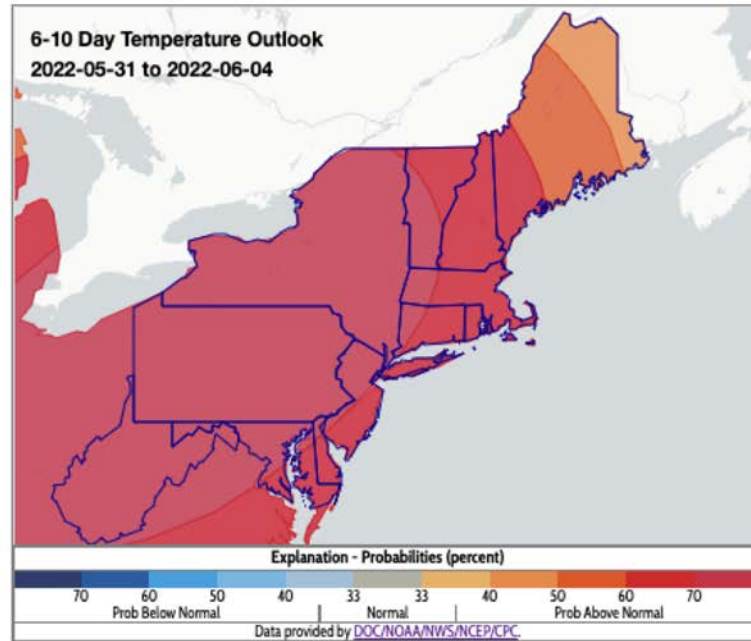
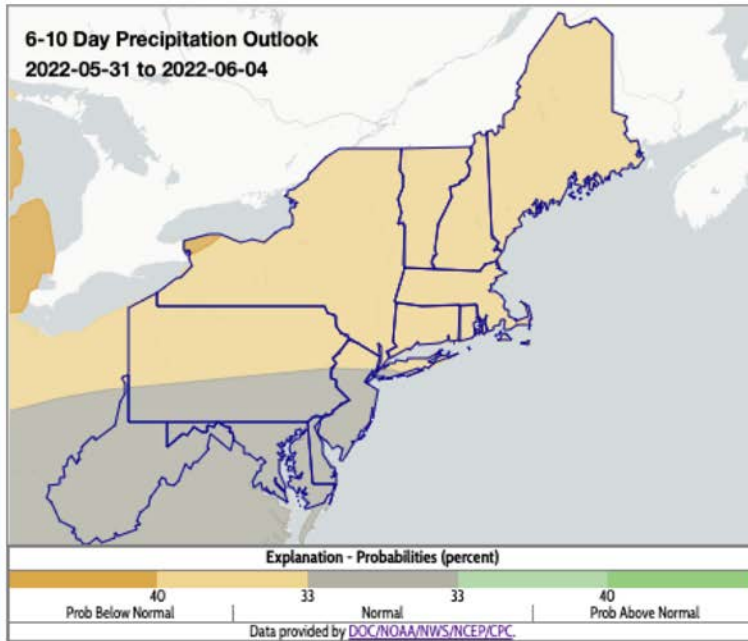
Groundwater



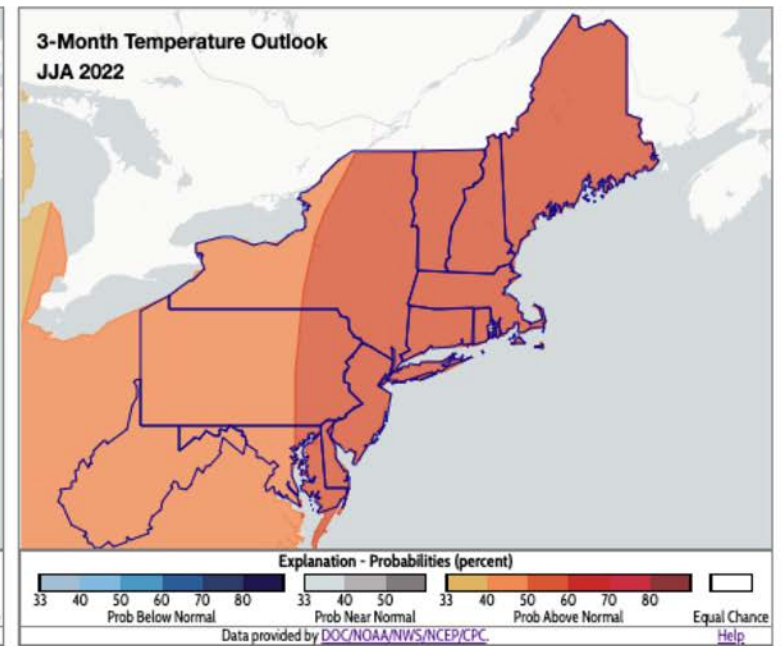
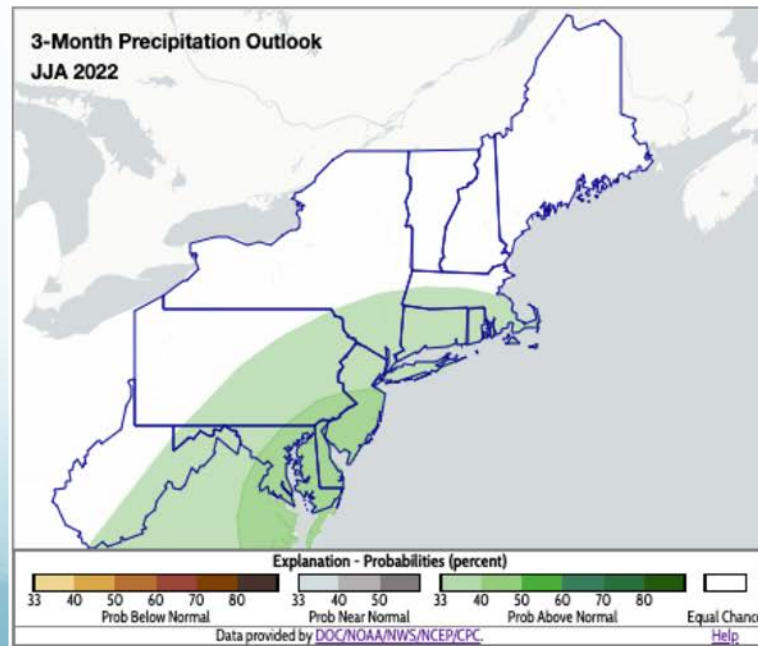
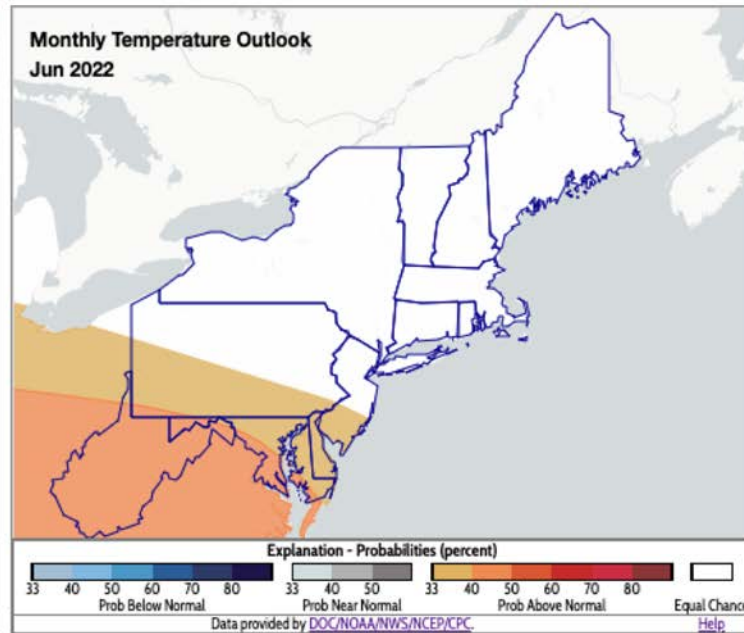
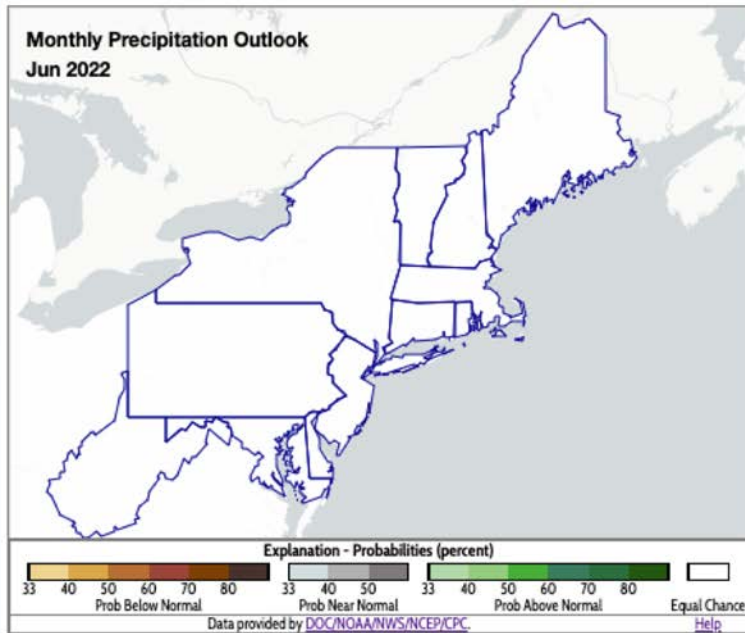
Precipitation Forecast



Short-term Outlooks



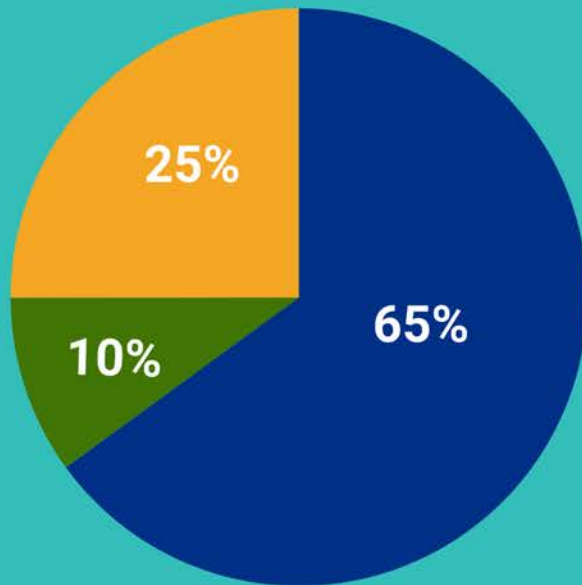
Monthly & 3-Month Outlooks



Hurricane Outlook



2022 Atlantic Hurricane Season Outlook



■ Above-normal ■ Near-normal ■ Below-normal season

Season probability

Named storms

14-21

Hurricanes

6-10

Major hurricanes

3-6

NOAA

Be prepared: Visit hurricanes.gov and follow @NWS and @NHC_Atlantic on Twitter.

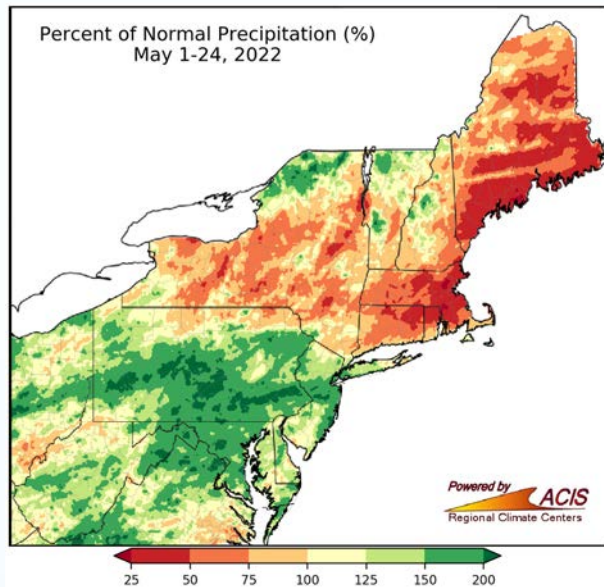
May 2022



Summary

May-to-date conditions:

- Above-normal temperatures
- Precip: below normal in NY and New England; above normal in southern areas



Drought:

- Improvement:
 - Southern areas and far northern New England
- Deterioration:
 - Coastal New England and western New York
 - Monitor conditions due to next week likely being warm and dry

Outlooks:

- Short-term outlooks: mostly warm; northern areas drier in the 6-10 day period and southern areas wetter in the 8-14 day period
- June: equal chances precip; above-normal temperatures for southern areas
- Summer: equal chances precip for most except wetter in southeastern areas; above-normal temperatures
- Hurricane season: another above-average season predicted



Contact Information

- nrcc@cornell.edu

Upcoming Webinars

- Thursday, June 30 at 9:30am
 - Ocean Warming
- 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



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