July Review & Northeast DEWS Discussion

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Northeast Regional Climate Center

Northeast Regional Climate Center

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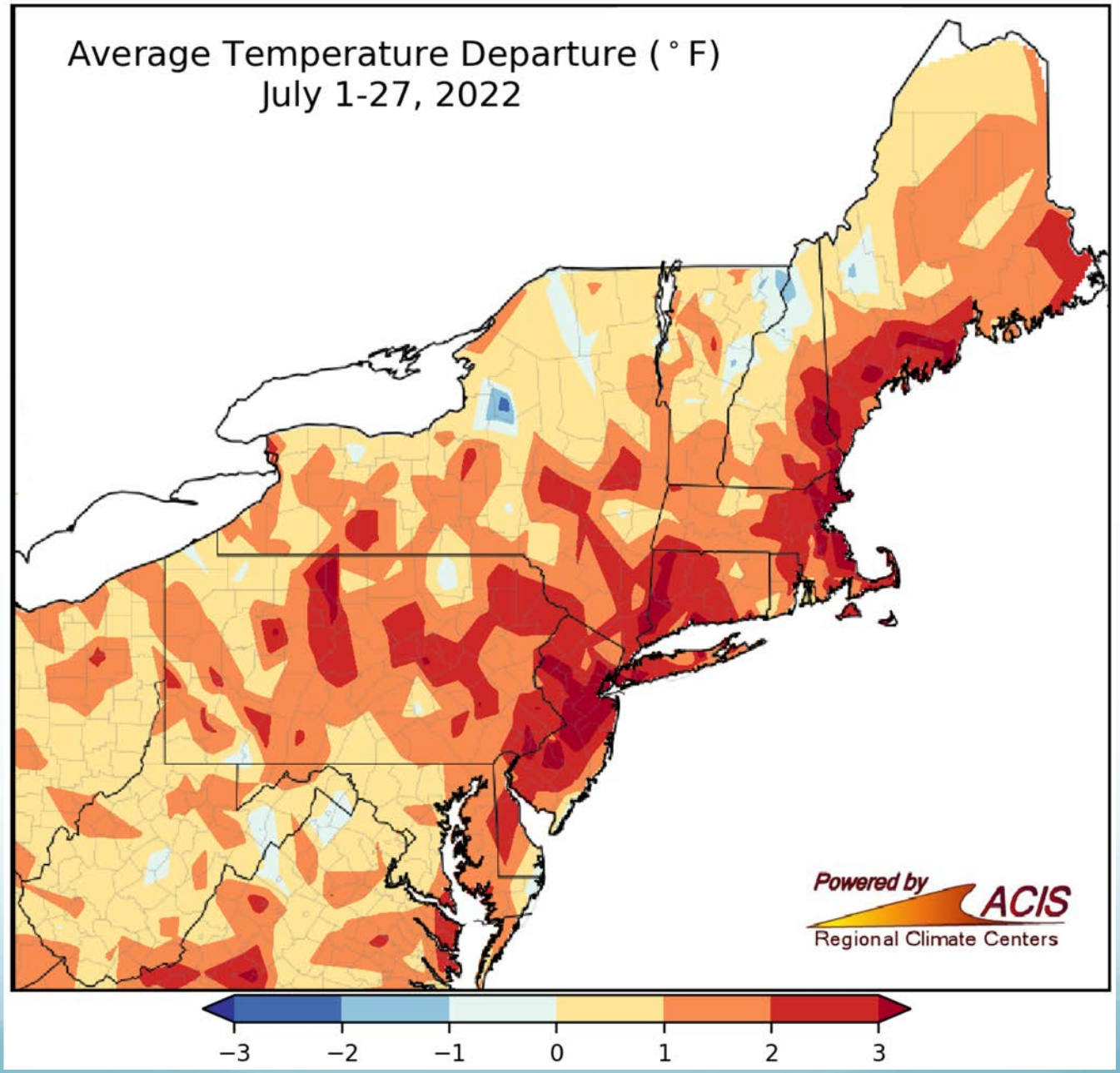
July Temperatures



From near normal to more than 3°F above normal

July Temperatures

Number of Consecutive Days Max Temperature >= 100 for Newark Area, NJ (ThreadEx)

Click column heading to sort ascending, click again to sort descending.

Rank	Run Length	Dates
1	5	2022-07-20 through 2022-07-24
2	4	2010-07-04 through 2010-07-07
-	4	1993-07-07 through 1993-07-10
-	4	1953-08-28 through 1953-08-31
5	3	2011-07-21 through 2011-07-23
Last value also occurred in one or more previous years.		
Period of record: 1931-01-01 to 2022-07-27		

Number of Consecutive Days Max Temperature >= 95 for New York-LGA Area, NY (ThreadEx)

Click column heading to sort ascending, click again to sort descending.

Rank	Run Length	Dates
1	6	1953-08-28 through 1953-09-02
2	5	2022-07-20 through 2022-07-24
-	5	2020-07-18 through 2020-07-22
-	5	1991-07-17 through 1991-07-21
-	5	1948-08-25 through 1948-08-29
Period of record: 1939-10-07 to 2022-07-27		

Number of Consecutive Days Min Temperature >= 75 for Philadelphia Area, PA (ThreadEx)

Click column heading to sort ascending, click again to sort descending.

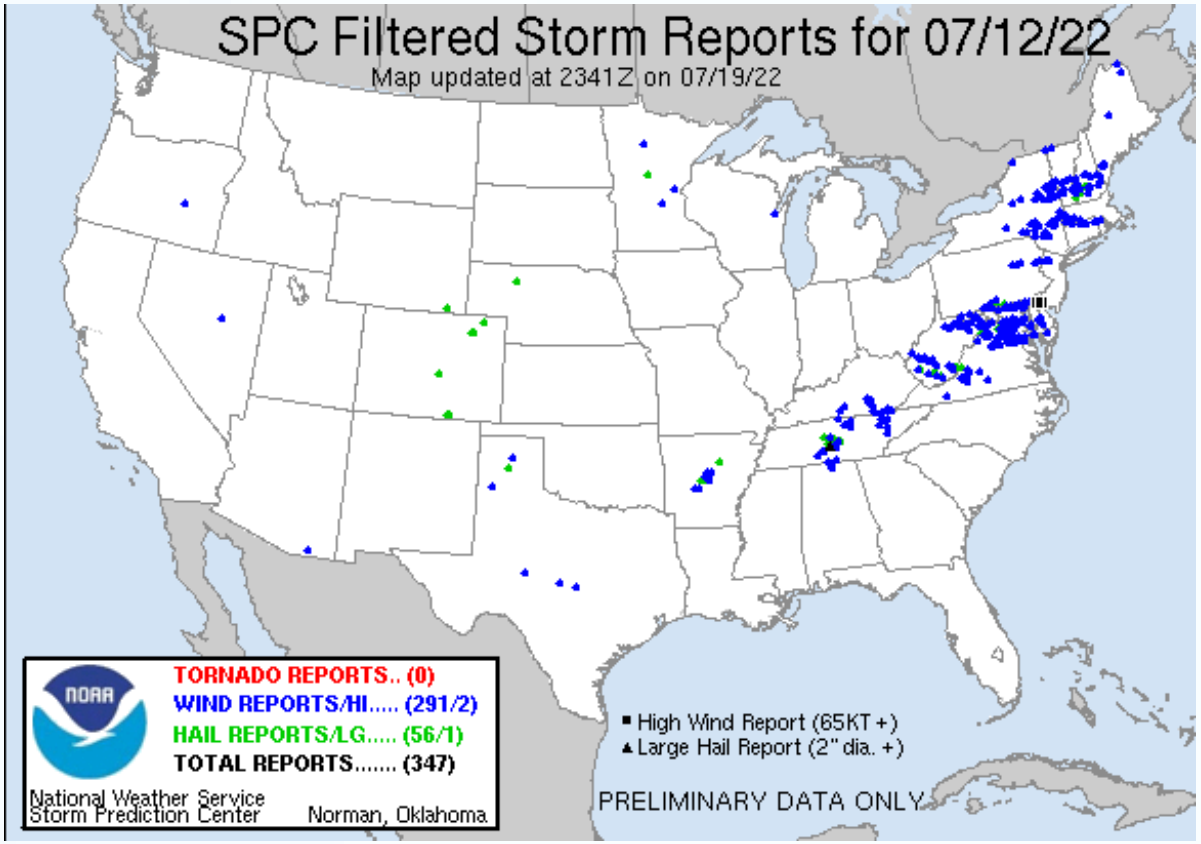
Rank	Run Length	Ending Date
1	10	2022-07-27
2	9	1995-07-30
3	8	2016-08-17
-	8	1993-07-14
5	7	1991-07-25
Period of record: 1872-03-05 to 2022-07-27		

Number of Consecutive Days Min Temperature >= 75 for New York-Kennedy Airport Area, NY (ThreadEx)

Click column heading to sort ascending, click again to sort descending.

Rank	Run Length	Ending Date
1	7	2022-07-25
-	7	2016-08-17
-	7	2013-07-21
-	7	1988-08-16
-	7	1981-07-13
Period of record: 1948-07-17 to 2022-07-27		

July Severe Weather



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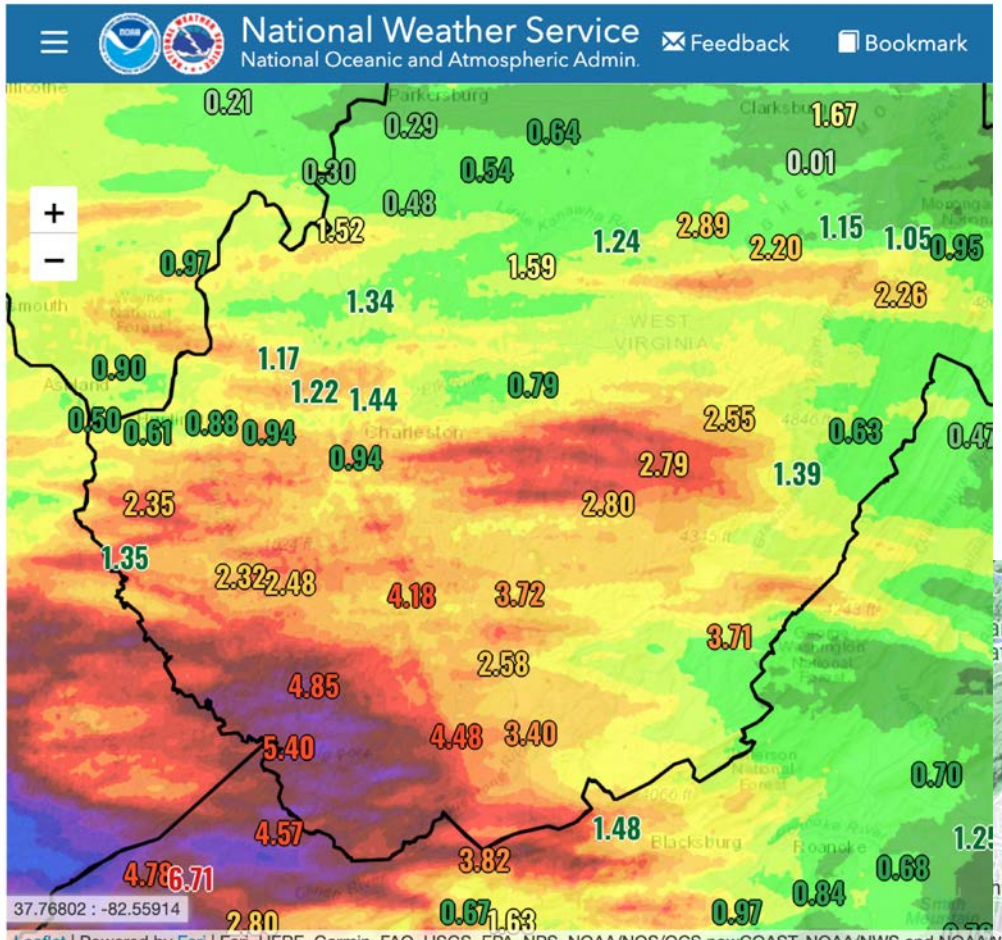
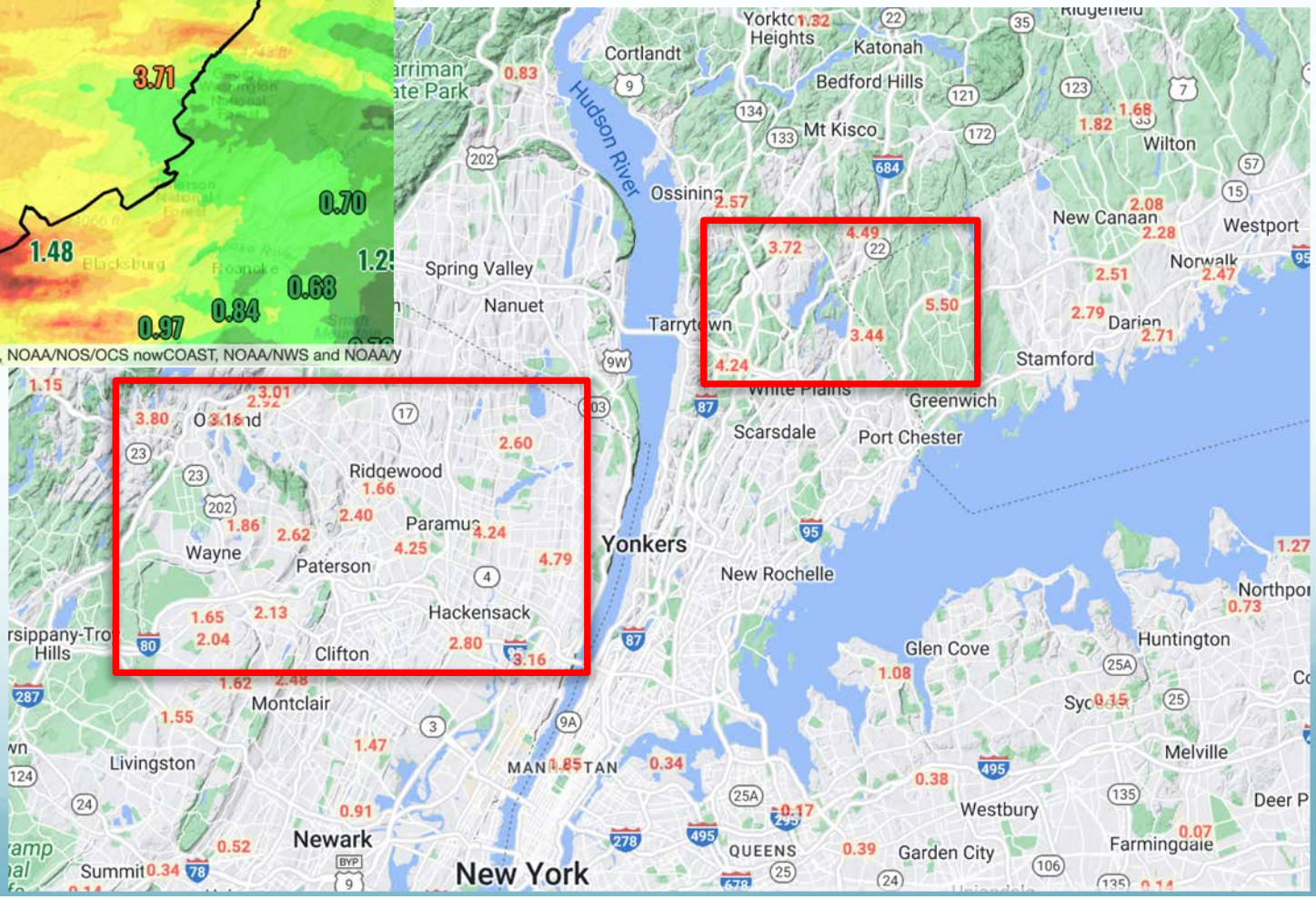
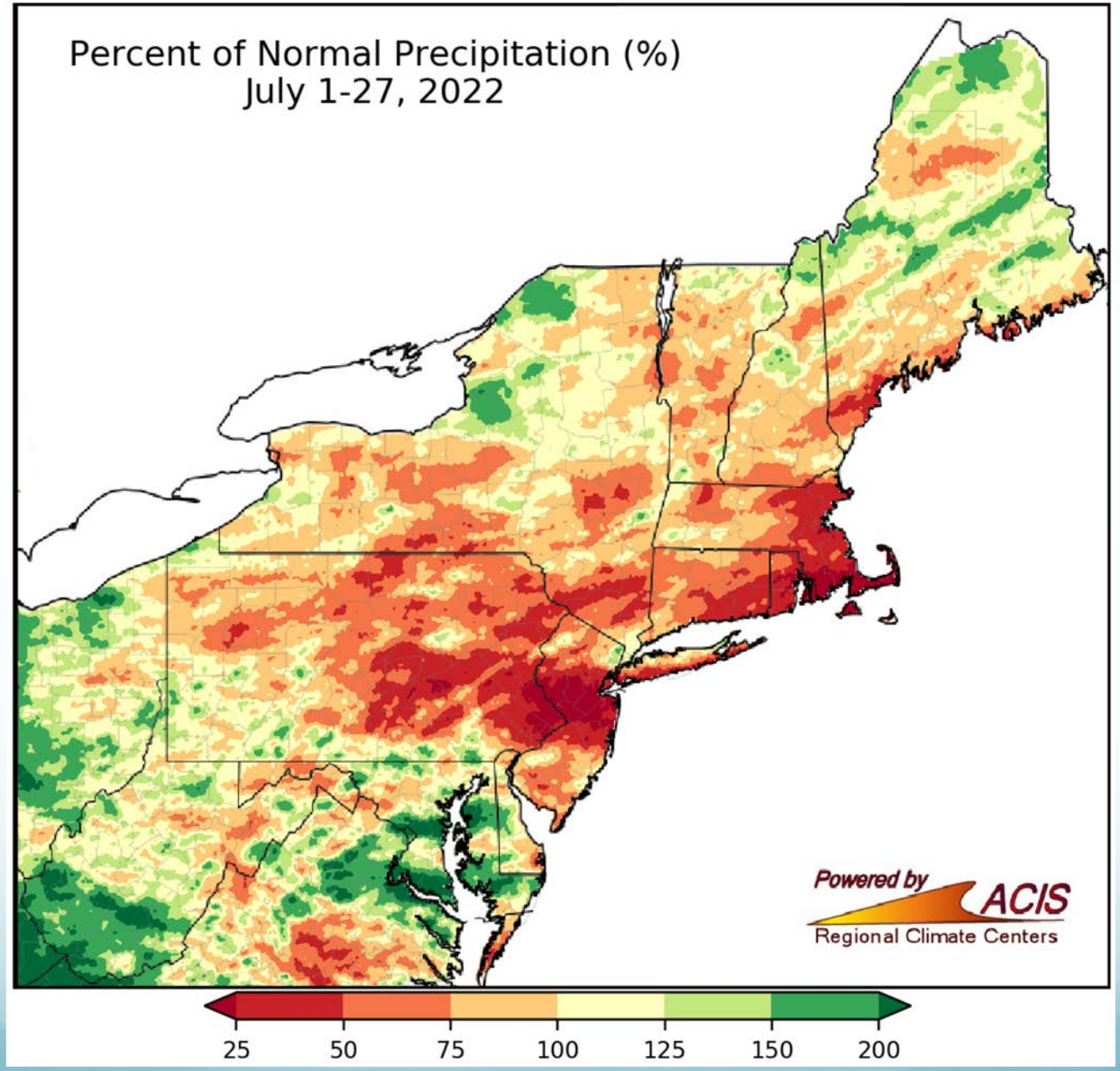
July Rainfall





July Precipitation

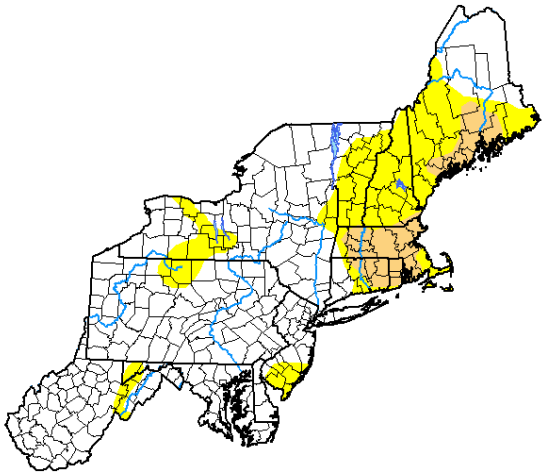


From less than 25% of normal to more than 200% of normal

Drought Monitor

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
Current	70.69	21.85	7.46	0.00	0.00	0.00
Last Week 06-21-2022	82.62	15.00	2.38	0.00	0.00	0.00
3 Months Ago 03-29-2022	71.90	24.96	2.46	0.67	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 06-29-2021	58.59	21.37	16.53	3.51	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:

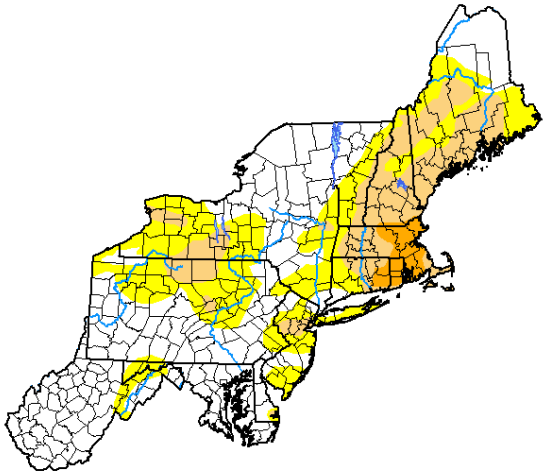
Curtis Riganti

National Drought Mitigation Center

droughtmonitor.unl.edu

U.S. Drought Monitor

Northeast



July 26, 2022

(Released Thursday, Jul. 28, 2022)

Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0	D1	D2	D3	D4
Current	50.54	28.39	18.28	2.80	0.00	0.00
Last Week 07-19-2022	52.72	24.86	21.21	1.21	0.00	0.00
3 Months Ago 04-26-2022	81.37	17.40	1.24	0.00	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 07-27-2021	77.06	14.26	7.31	1.38	0.00	0.00

Intensity:

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

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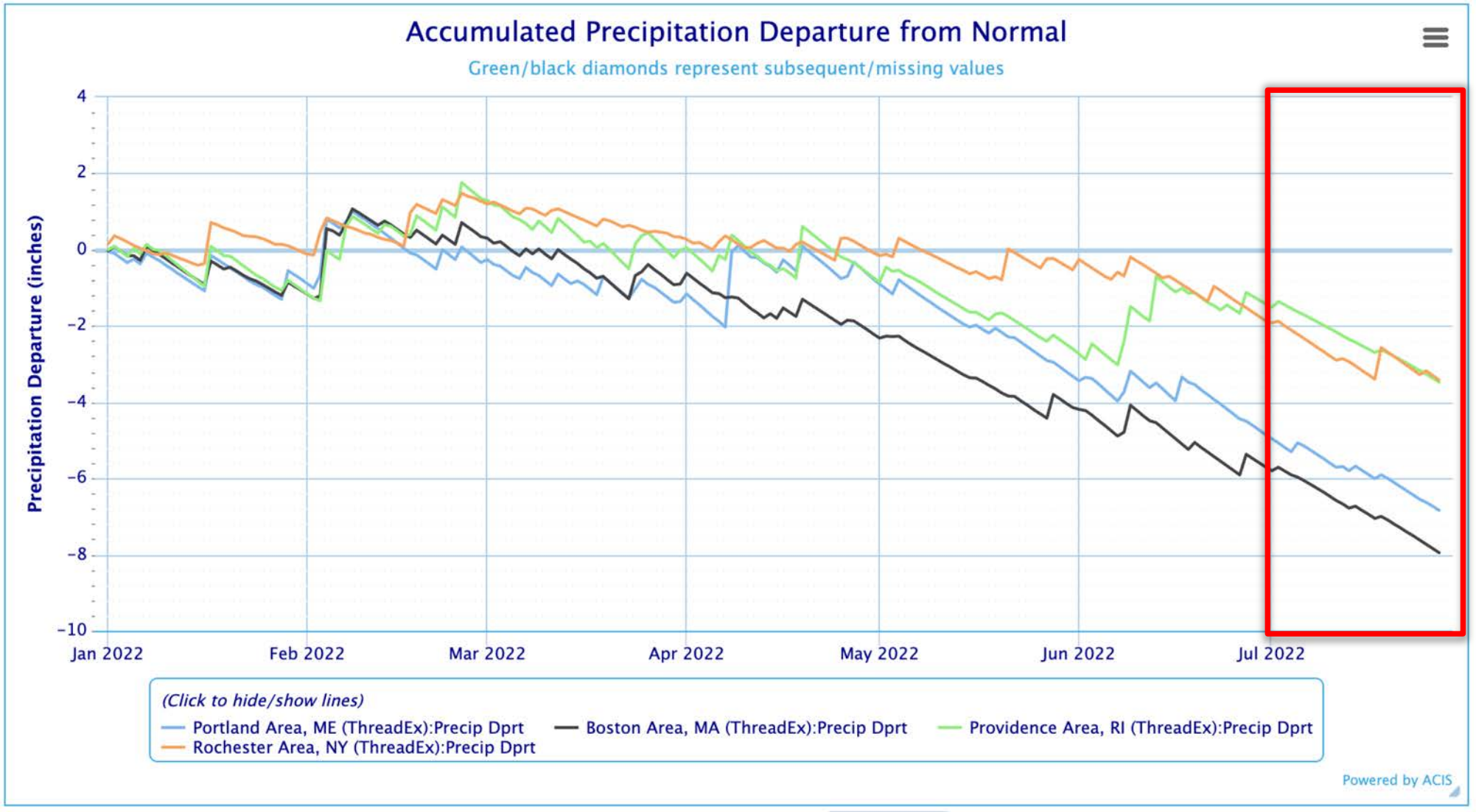
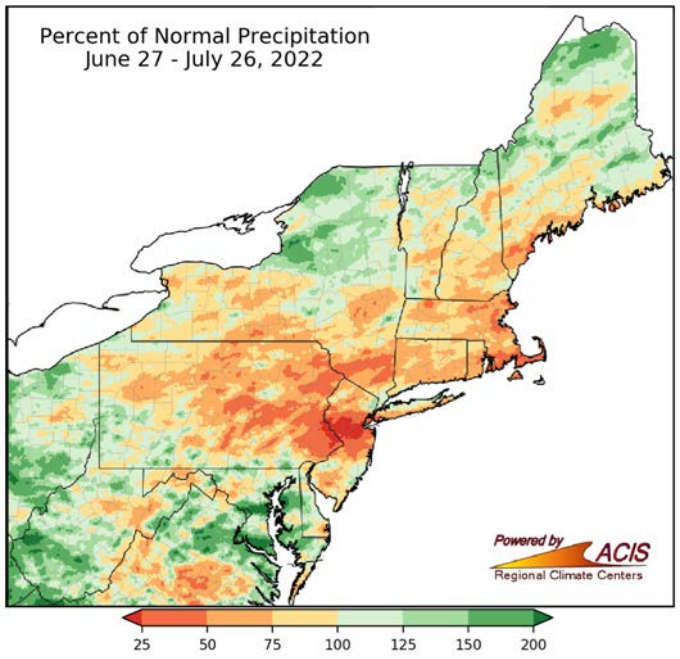
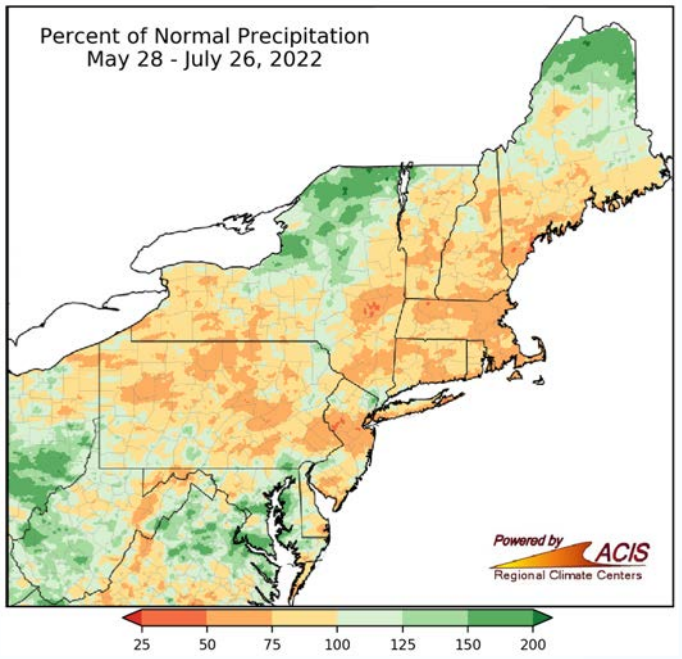
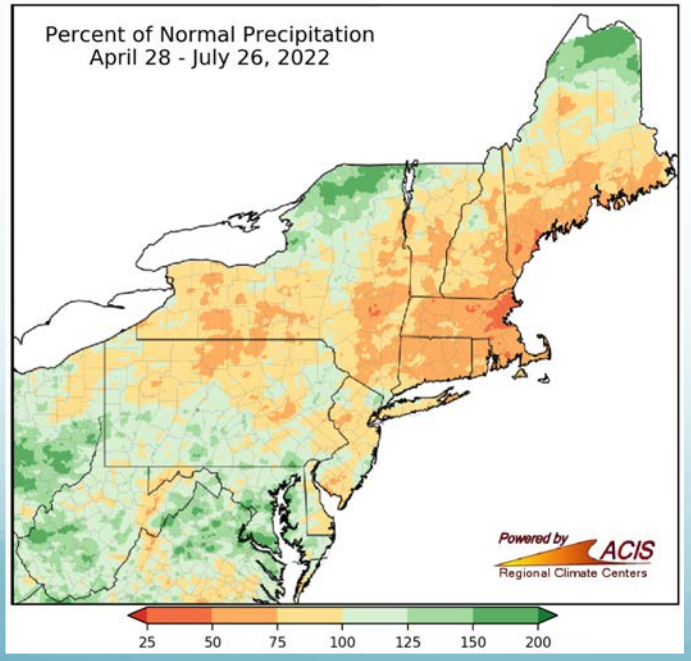
Precipitation

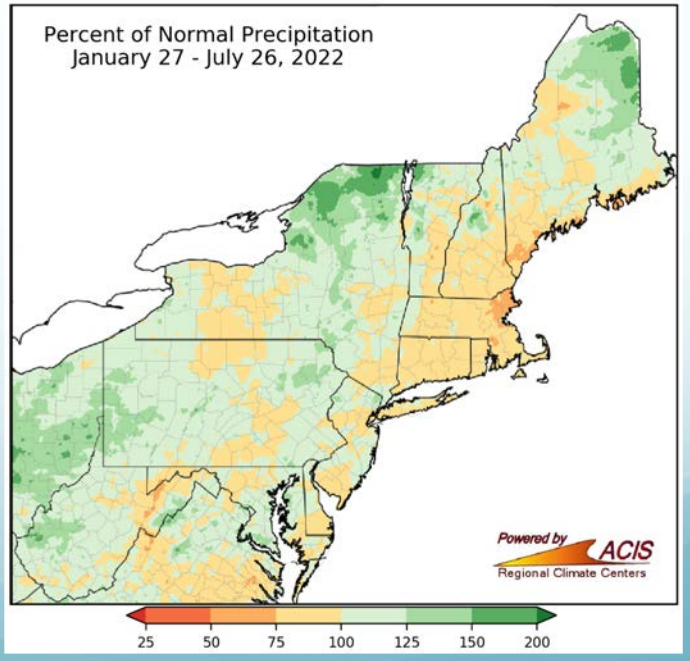


Precipitation

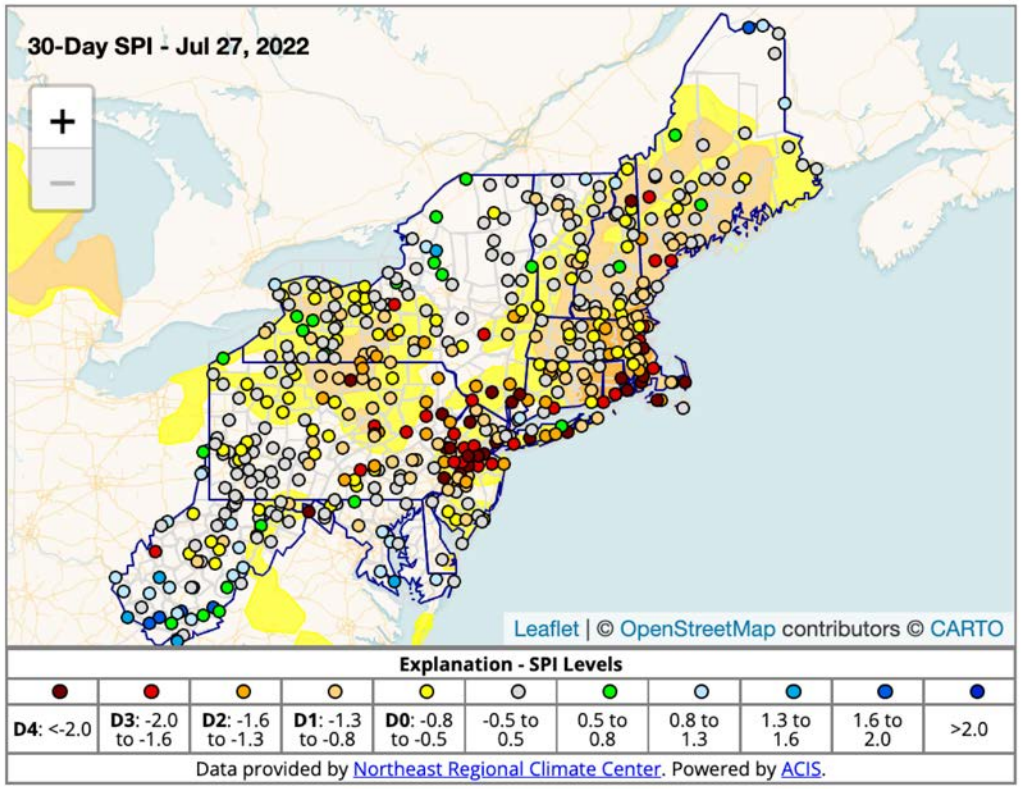


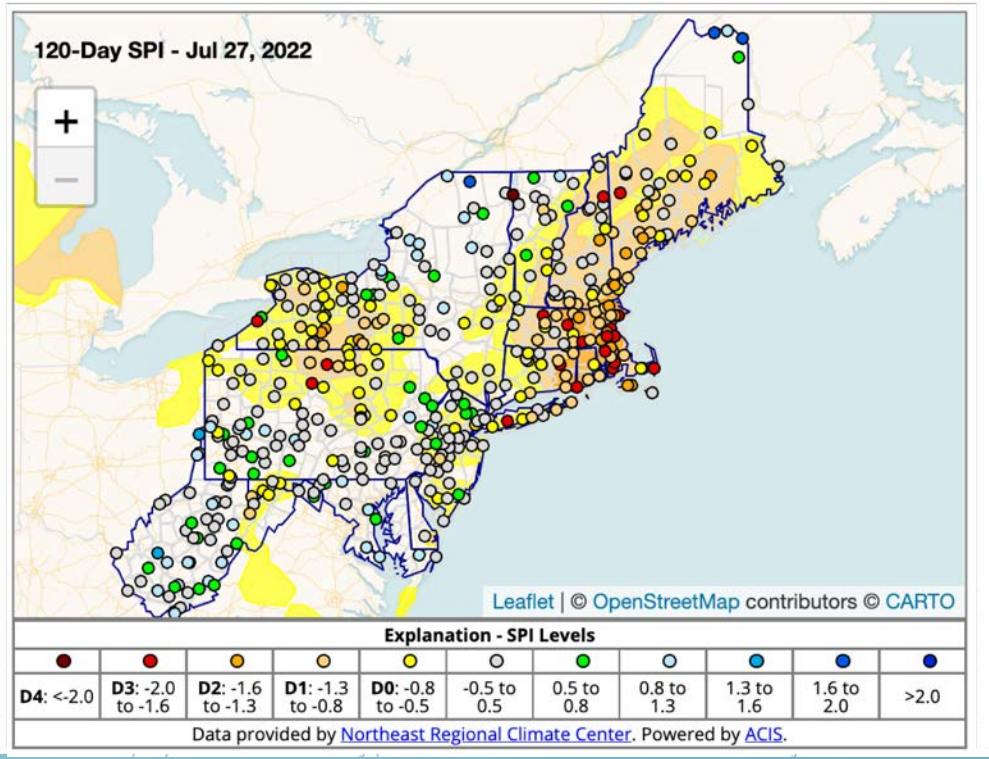




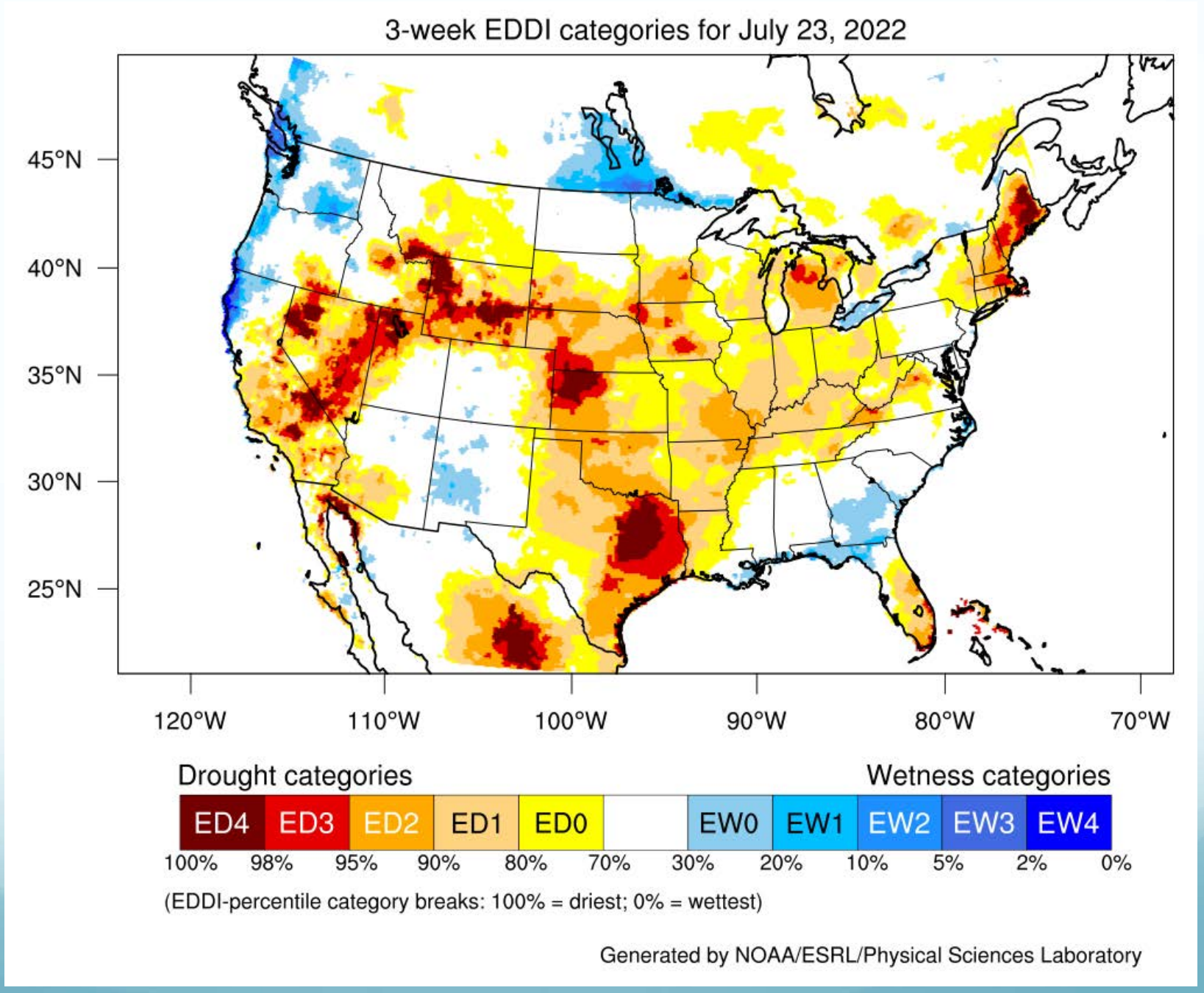


Standardized Precipitation Index

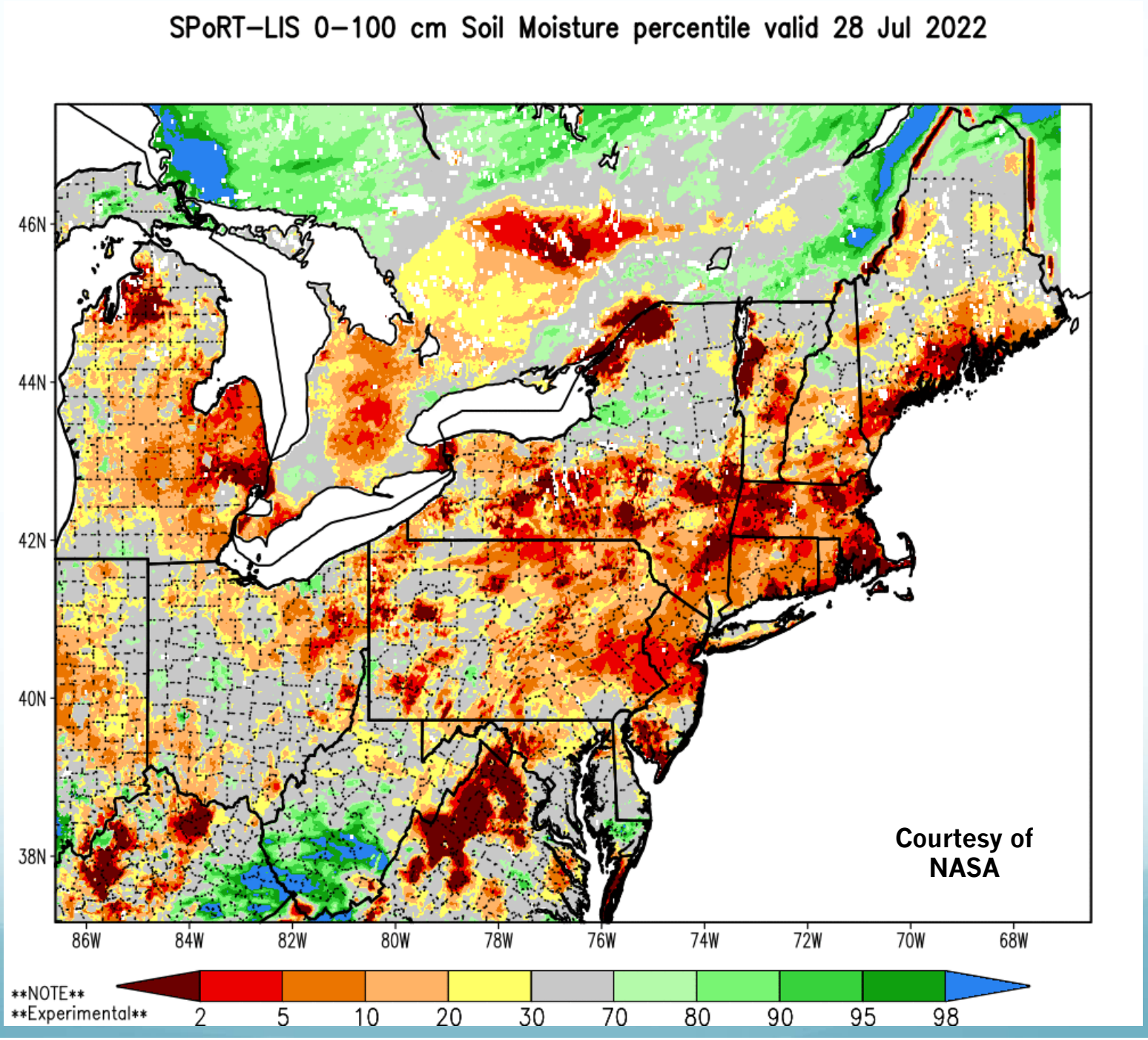




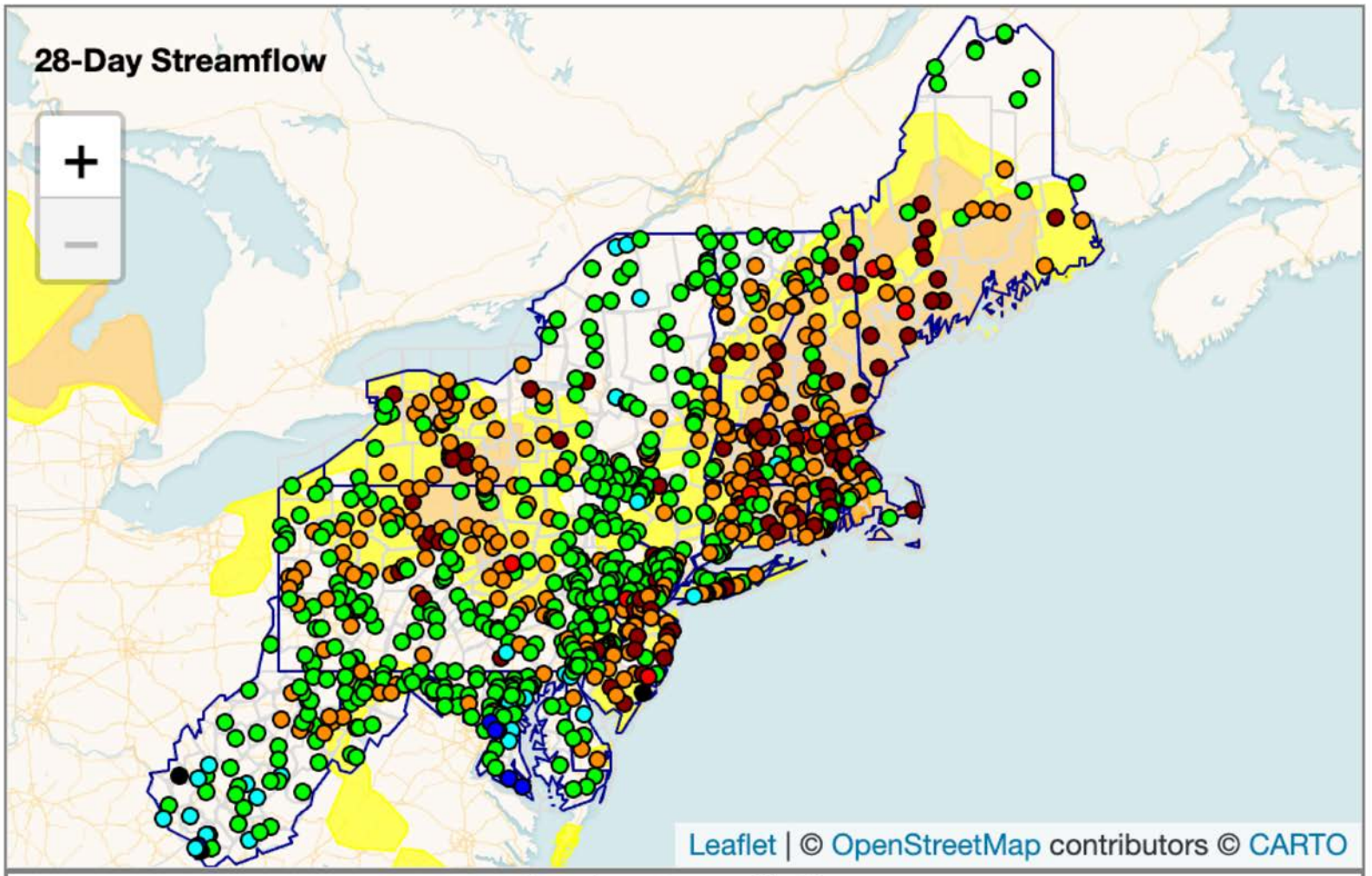
Evap. Demand Drought Index



Soil Moisture

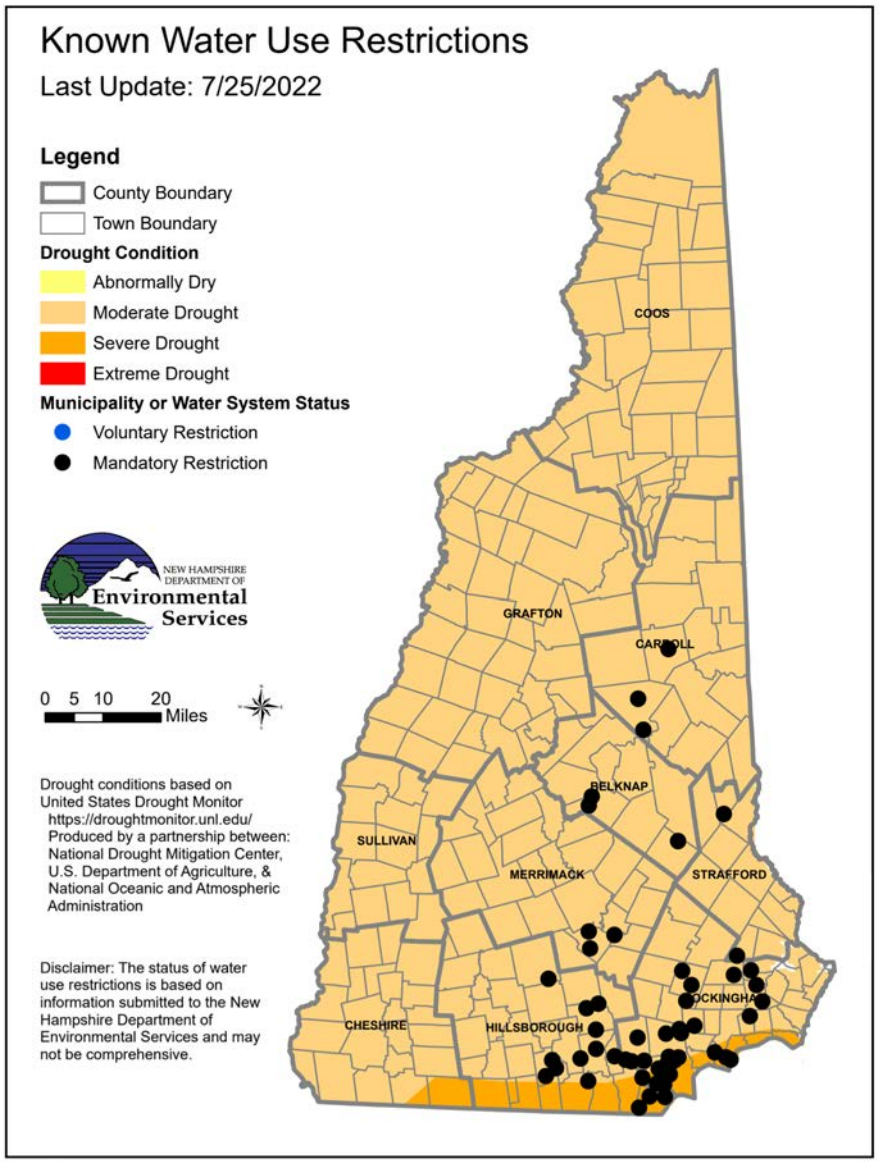


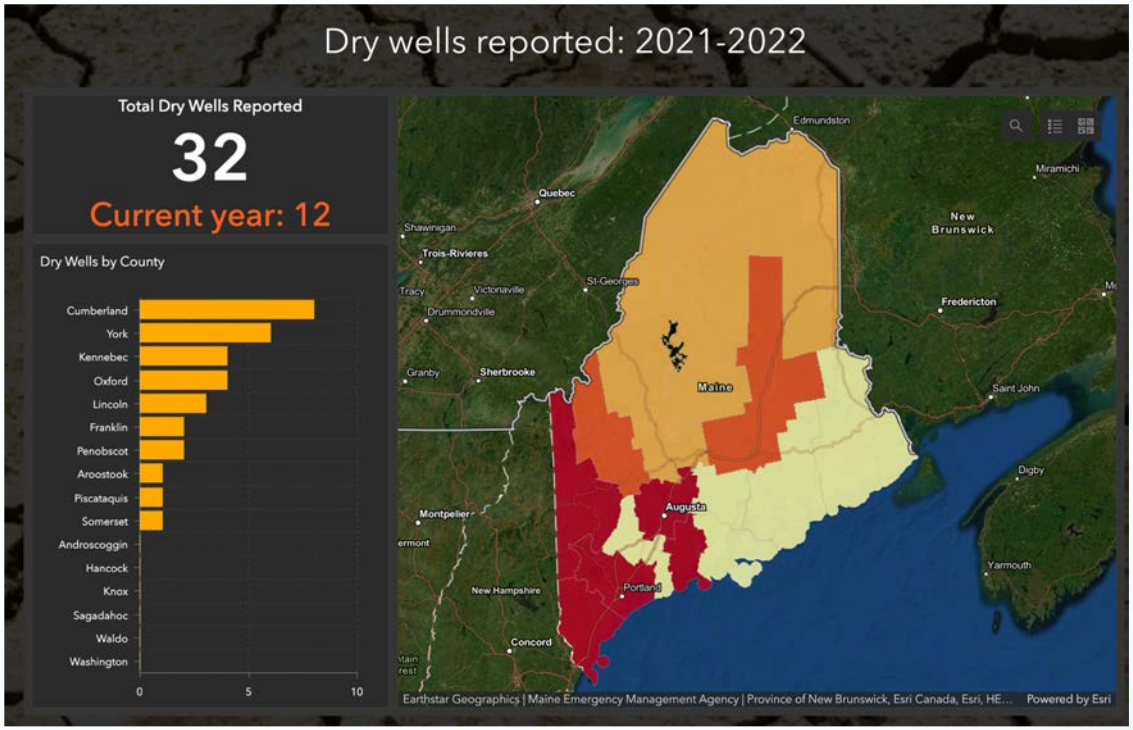
Streamflow



Explanation - Percentile Classes						
●	●	●	●	●	●	●
Low	Much below normal	Below normal	Normal	Above normal	Much above normal	High
	<10%	10-24%	25-75%	76-90%	>90%	
Data provided by USGS WaterWatch - Streamflow; updated 2022-07-28.						

Drought Impacts





https://maine-dry-well-survey-maine.hub.arcgis.com/

https://anrmaps.vermont.gov/websites/droughtreporter/

Drought Impacts

The Providence Journal

LOCAL

'This field will not bounce back:' Drought has Rhode Island farmers praying for rain

Linda Borg
The Providence Journal
Published 1:24 p.m. ET July 22, 2022

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LOCAL NEWS

Rain did fall, but much more is needed for Maine farmers

Farmers like Bob Spear of Spear Farms are turning to drip irrigation to replace natural rain during Maine's lengthy drought.

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LOCAL NEWS ›

Rising costs and dry weather making thin profit margin for farmers

CBS NEWS PITTSBURGH

BY ROSS GUIDOTTI
JULY 15, 2022 / 5:31 PM / CBS PITTSBURGH

(Emily Kenny/Spectrum News 1)

AGRICULTURE

Abnormally dry conditions in Cortland County impact local dairy farmer

BY EMILY KENNY | CORTLAND
PUBLISHED 12:24 PM ET JUL. 21, 2022

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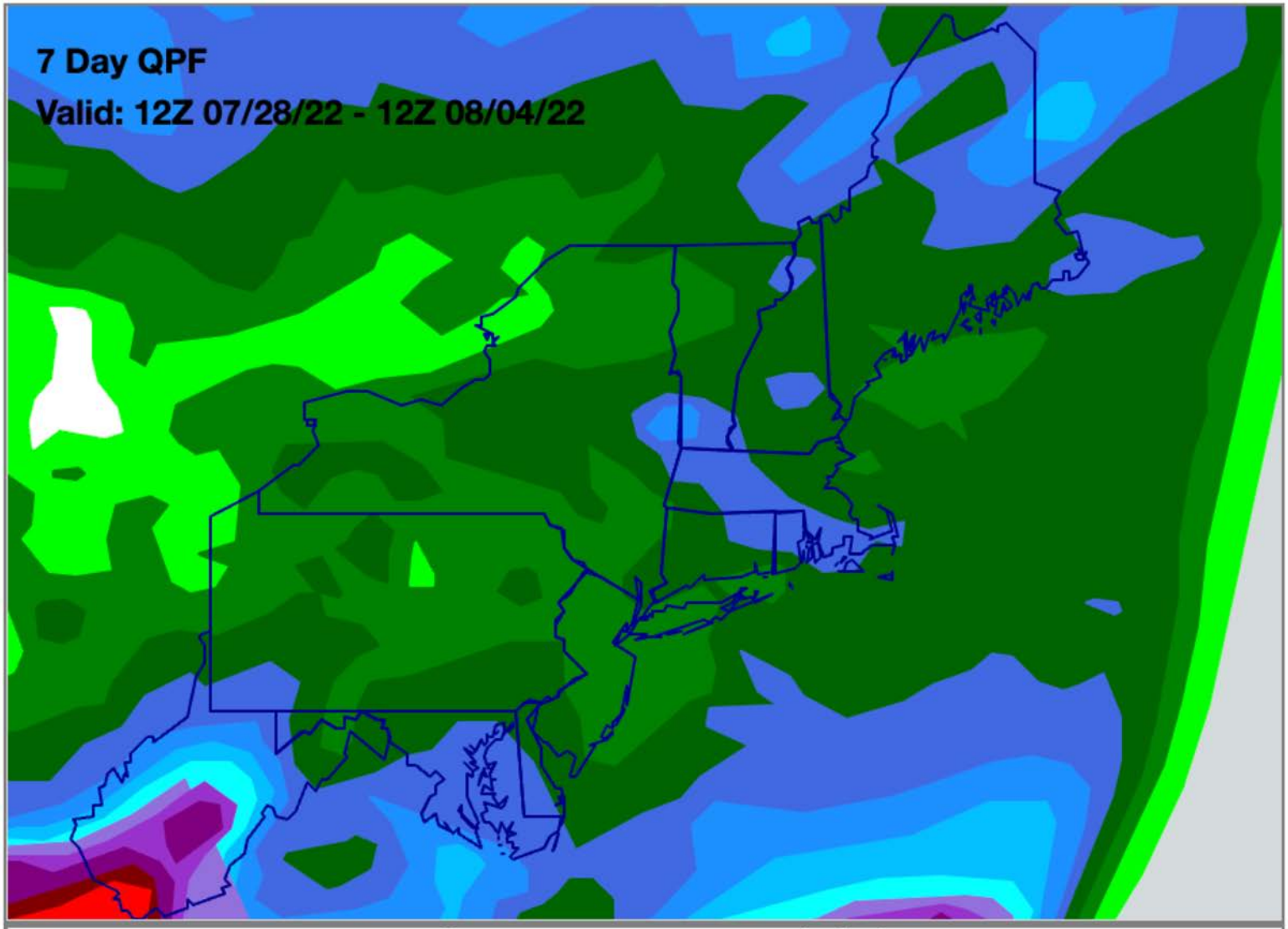
Precipitation Forecast



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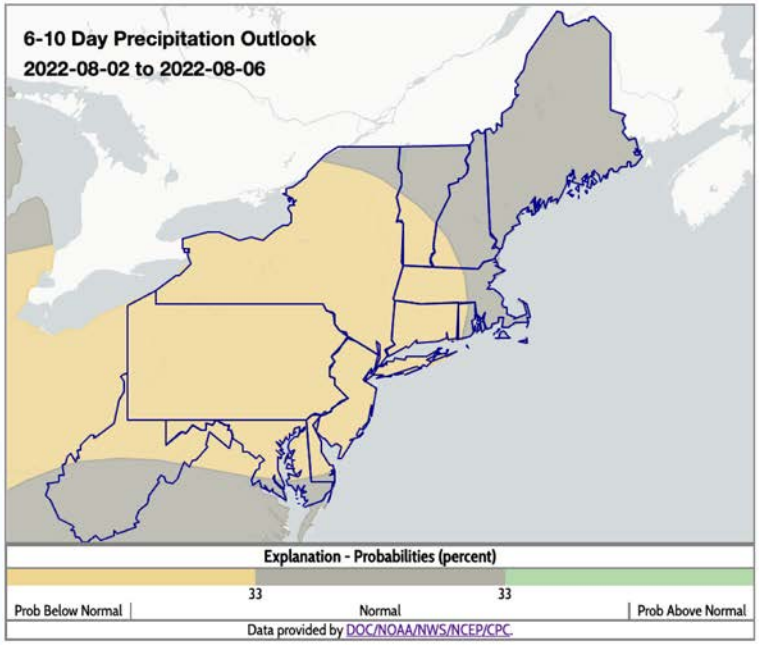
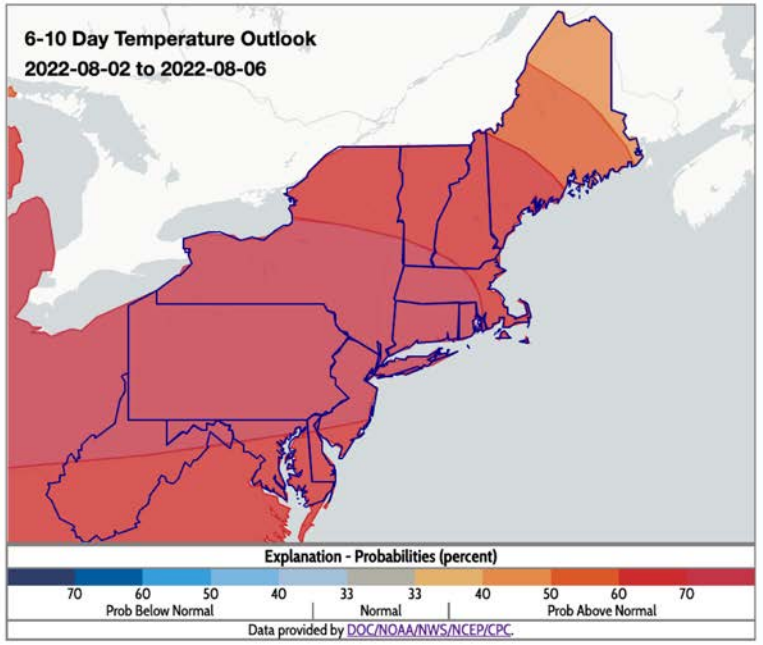
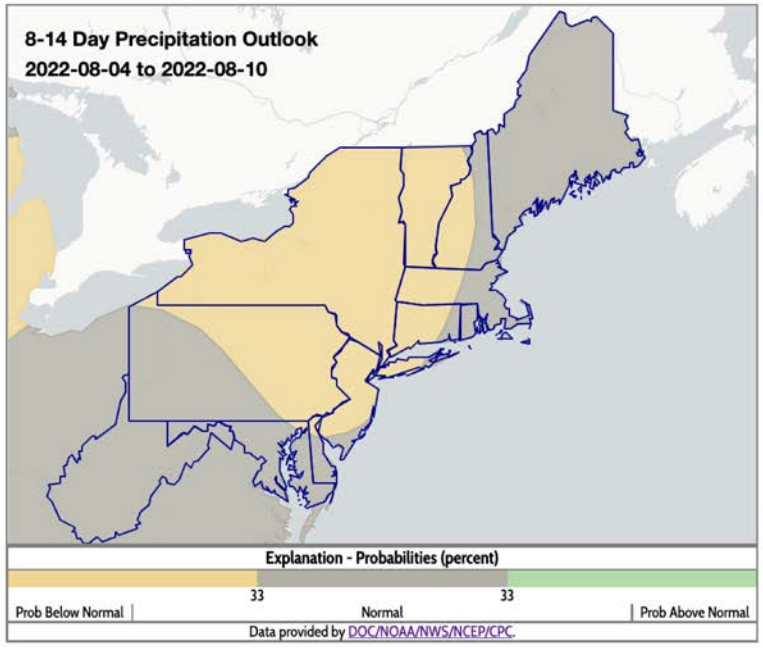
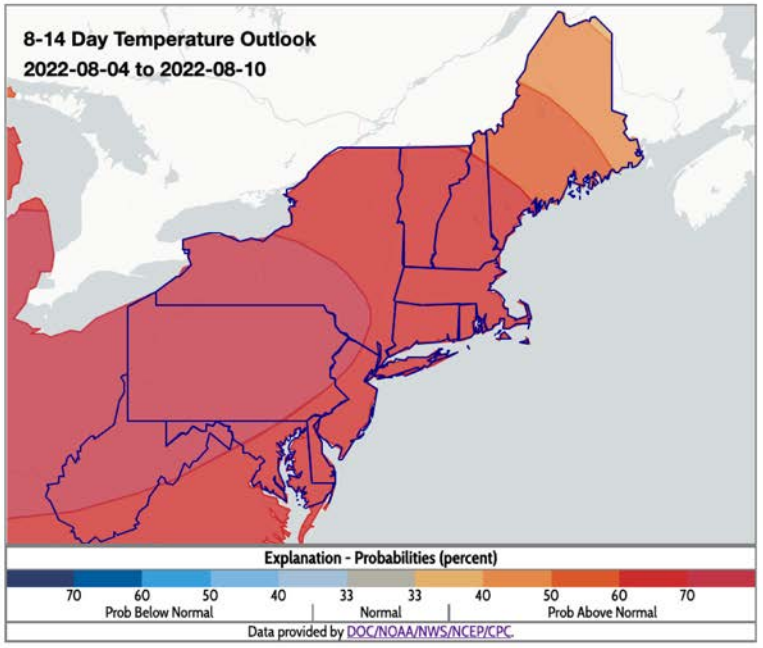
Short-term Outlooks

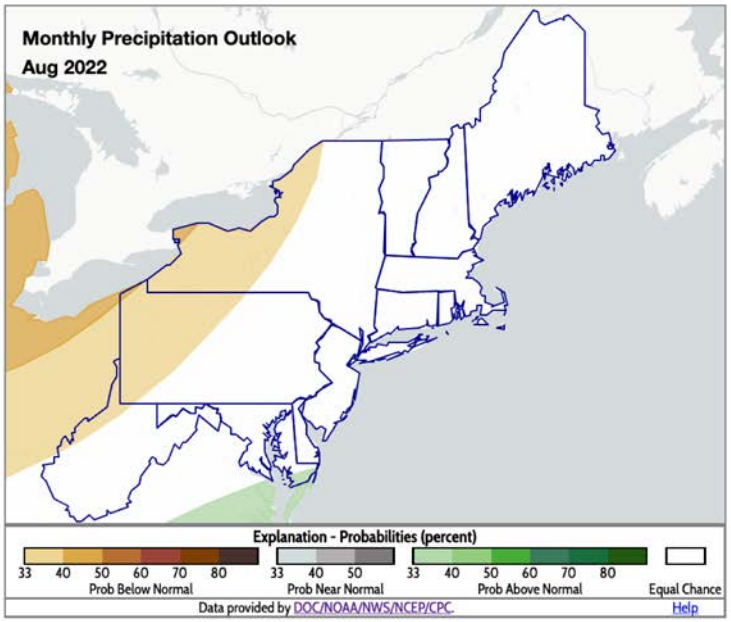


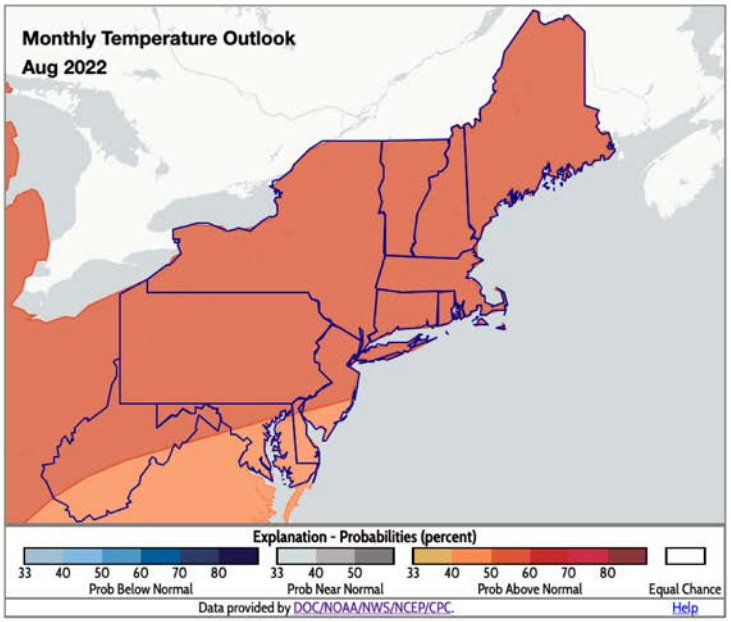


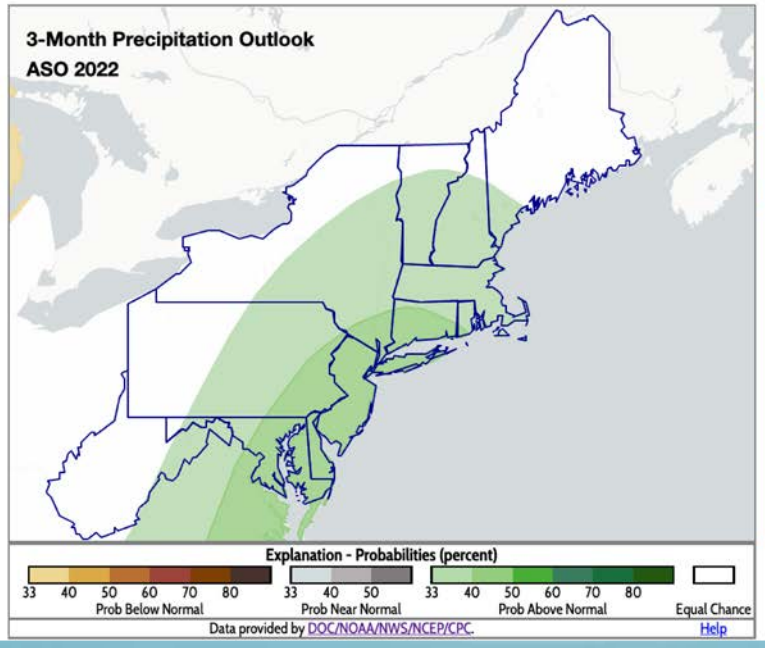


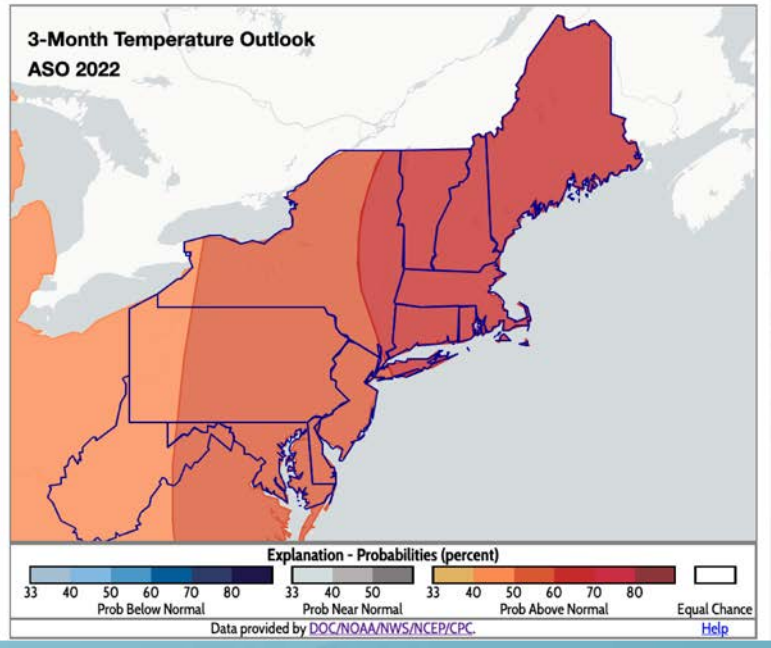


Monthly & 3-Month Outlooks





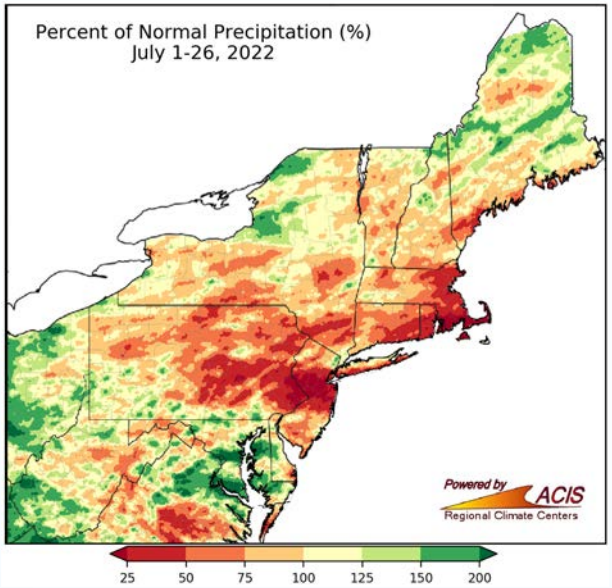




Summary

July-to-date conditions:

- Above-normal temperatures
- Many areas saw below or near normal precipitation but localized heavy rainfall



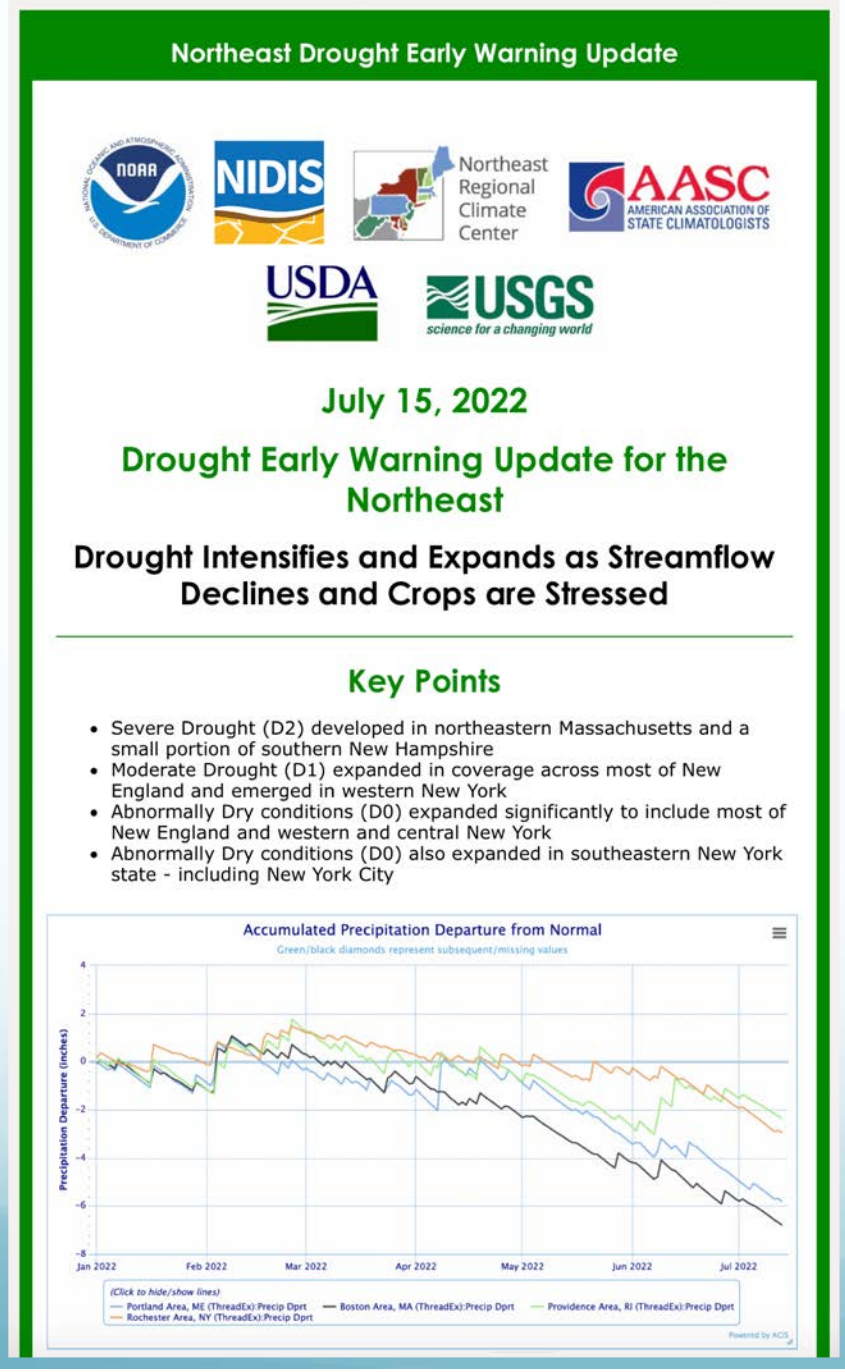
Drought:

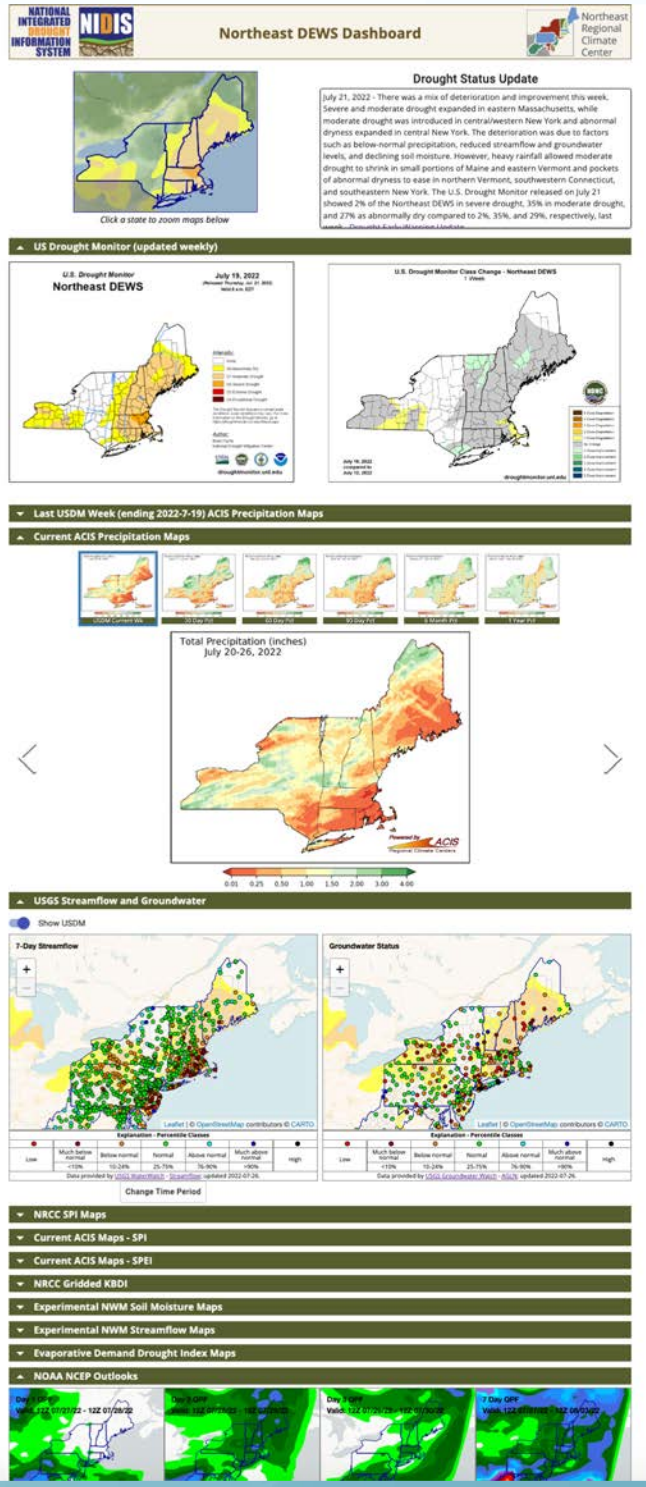
- Drought/dryness expanded and intensified, especially in New England, due to factors such as below-normal rainfall, below-normal streamflow, low soil moisture, and water and ag impacts

Outlooks:

- Short-term outlooks: below- or near-normal precipitation and above-normal temperatures; drought likely to persist and possibly intensify?
- August and August-October: below-normal rainfall in August for interior areas; above-normal rainfall for Aug-Oct for about half the region closer to the coast; above-normal temperatures for all

Drought Resources





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

Contact Information

- nrcc@cornell.edu

Upcoming Webinars

- 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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