

June Review & Northeast DEWS Discussion

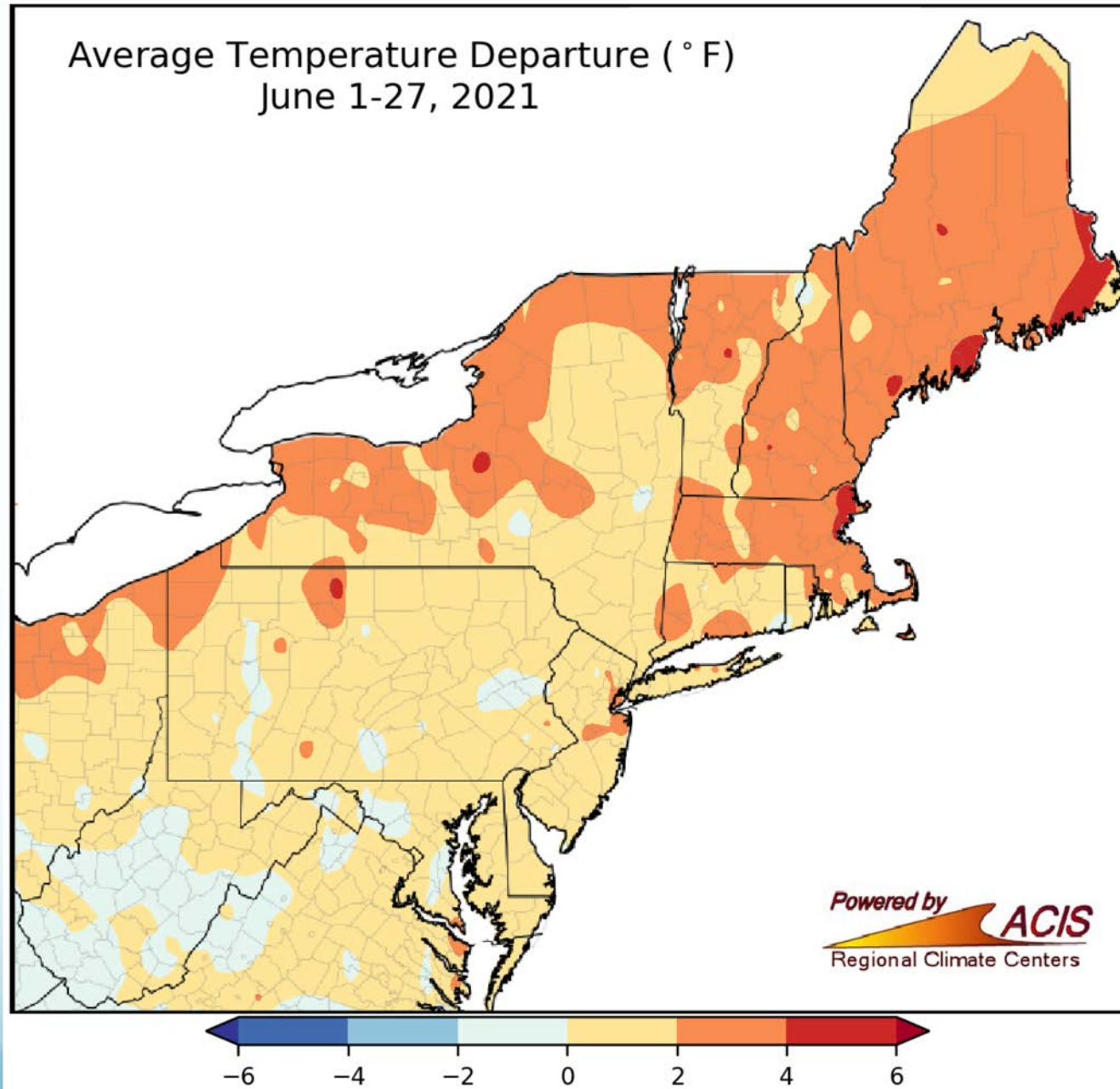
By: Samantha Borisoff, Climatologist
Northeast Regional Climate Center



Northeast Regional
Climate Center



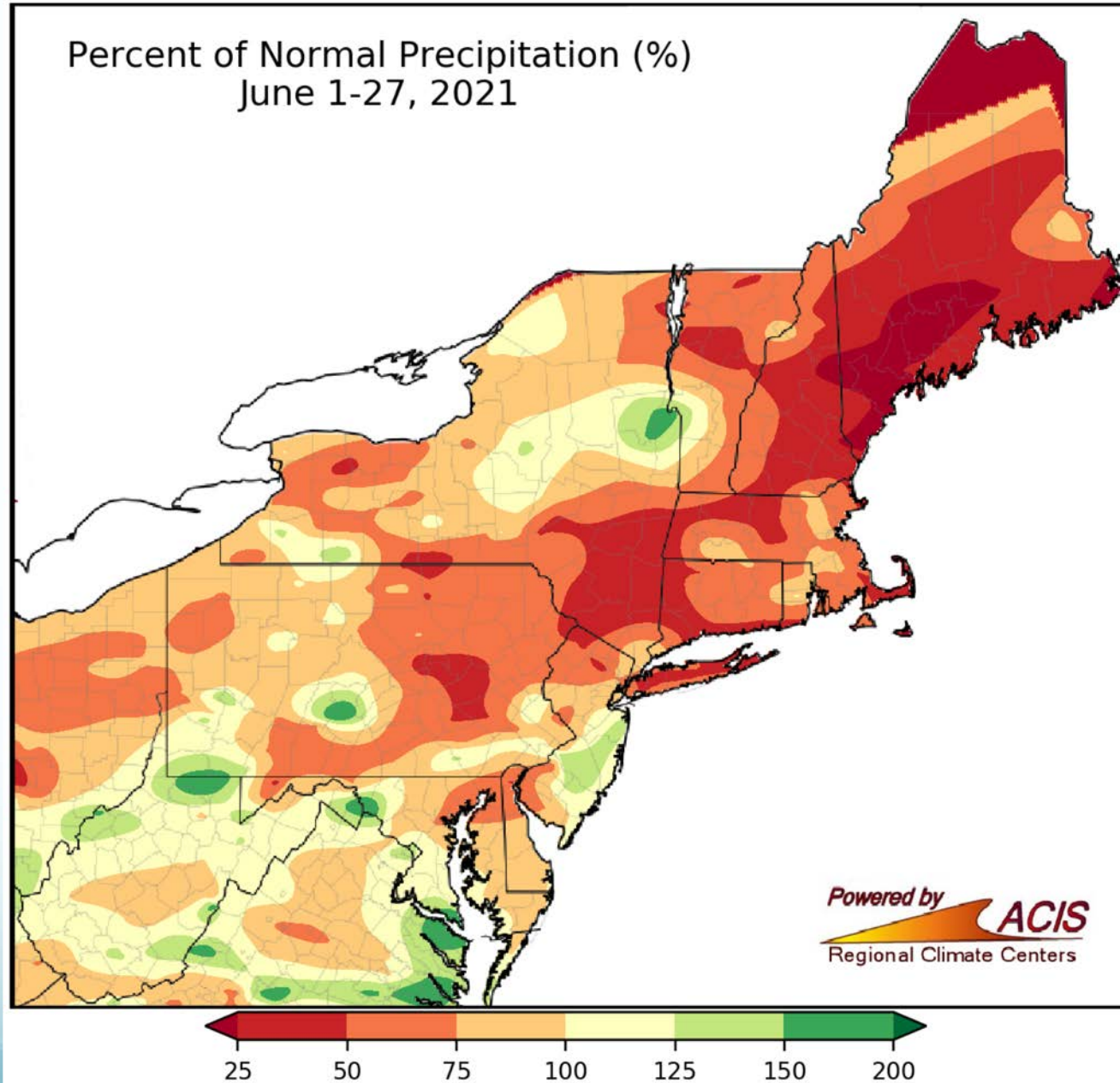
June Temperatures



From 2°F below normal to 6°F above normal

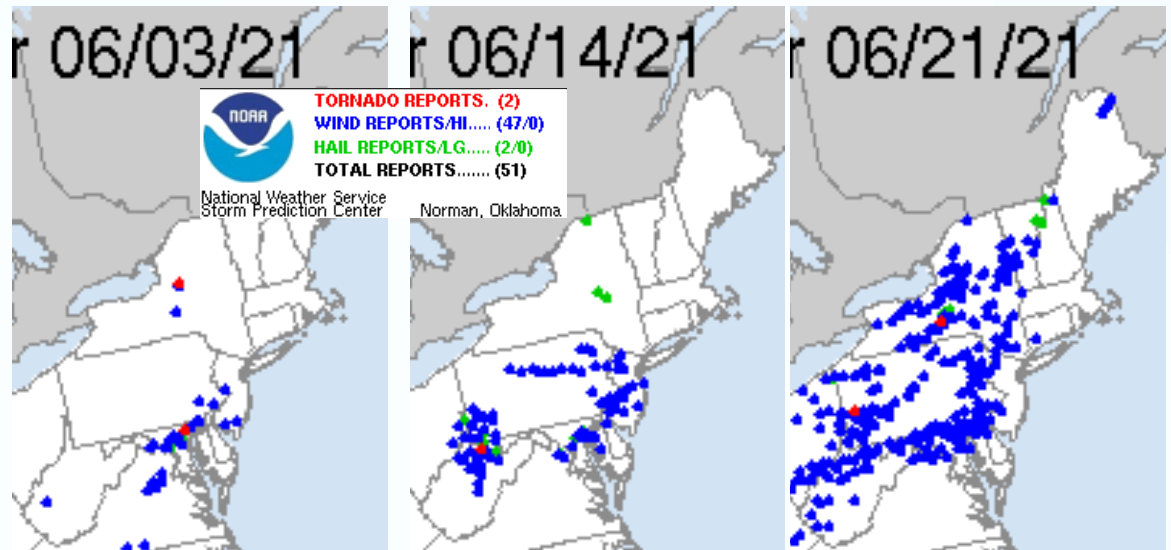


June Precipitation

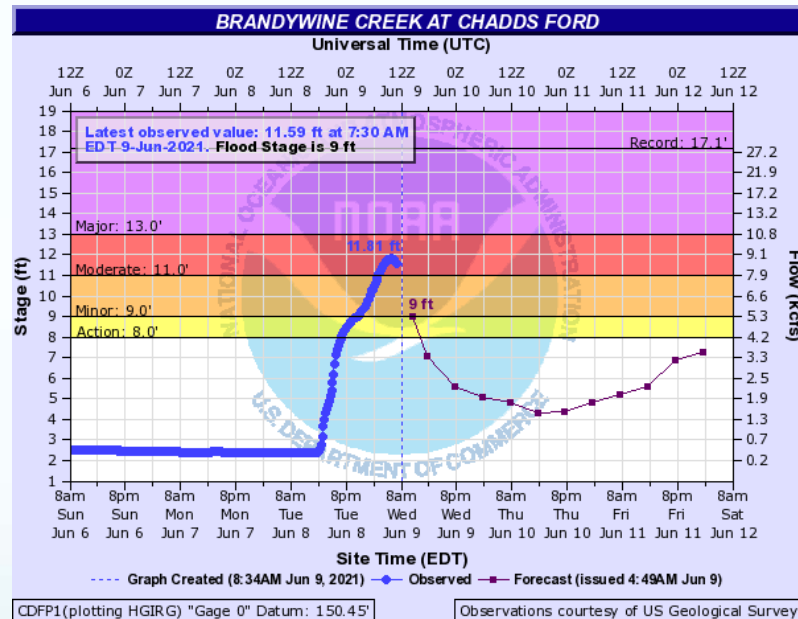


From less than 25% of normal to 200% of normal

June Severe Weather



Courtesy of
Maine DOT



0715 PM
06/10/2021

FLASH FLOOD

WEST HAMLIN
LINCOLN

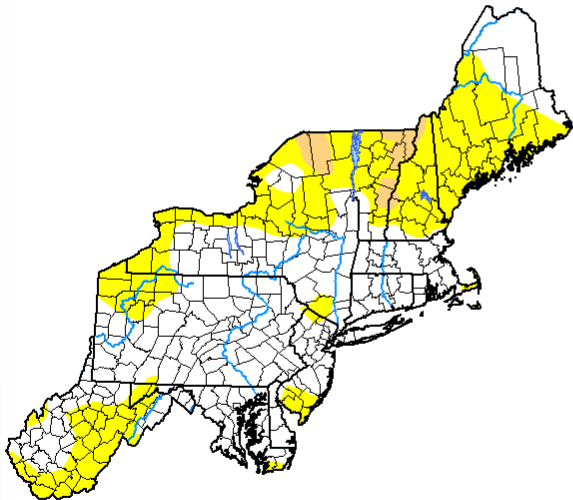
38.28N 82.20W
WV EMERGENCY MNGR

25 HOMES DAMAGED IN WEST HAMLIN. 2 DESTROYED. 50 FAMILIES REPORTED TO HAVE BEEN TRAPPED DUE TO WASHED OUT CULVERT. FLOODING DAMAGED PUMPS FOR WEST HAMLIN WATER TOWER AND NO DRINKING WATER IS AVAILABLE. ROUTE 3 IN WEST HAMLIN IS UNDERNEATH 2 FEET OF WATER FROM BIAS FORK



Drought Monitor

U.S. Drought Monitor Northeast Climate Region



June 1, 2021
(Released Thursday, Jun. 3, 2021)
Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0	D1	D2	D3	D4
Current	59.43	37.24	2.82	0.00	0.00	0.00
Last Week 05-25-2021	52.15	44.52	2.82	0.00	0.00	0.00
3 Months Ago 03-02-2021	81.42	14.19	3.88	0.00	0.00	0.00
Start of Calendar Year 12-29-2020	77.20	18.67	3.61	0.00	0.00	0.00
Start of Water Year 09-29-2020	29.69	24.72	18.95	22.26	3.87	0.00
One Year Ago 06-02-2020	90.77	8.71	0.00	0.00	0.00	0.00

Intensity:



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>

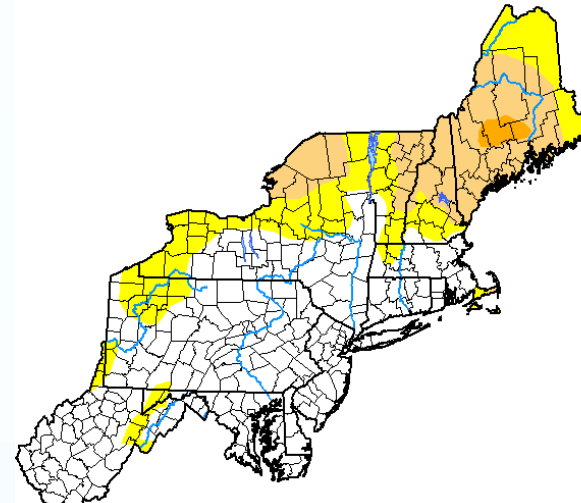
Author:

Brian Fuchs
National Drought Mitigation Center



droughtmonitor.unl.edu

U.S. Drought Monitor Northeast Climate Region

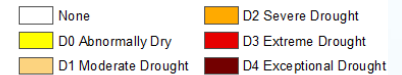


June 22, 2021
(Released Thursday, Jun. 24, 2021)
Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0	D1	D2	D3	D4
Current	58.57	21.98	18.34	1.11	0.00	0.00
Last Week 06-15-2021	59.01	27.15	13.84	0.00	0.00	0.00
3 Months Ago 03-23-2021	70.01	25.25	4.74	0.00	0.00	0.00
Start of Calendar Year 12-29-2020	77.60	18.77	3.63	0.00	0.00	0.00
Start of Water Year 09-29-2020	29.84	24.85	19.05	22.37	3.89	0.00
One Year Ago 06-23-2020	57.79	26.06	16.16	0.00	0.00	0.00

Intensity:



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



Precipitation

Accumulated Precipitation Departure from Normal

Green/black diamonds represent subsequent/missing values



(Click to hide/show lines)

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

— Concord Area, NH (ThreadEx):Precip Dprt

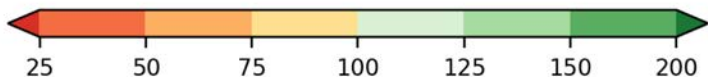
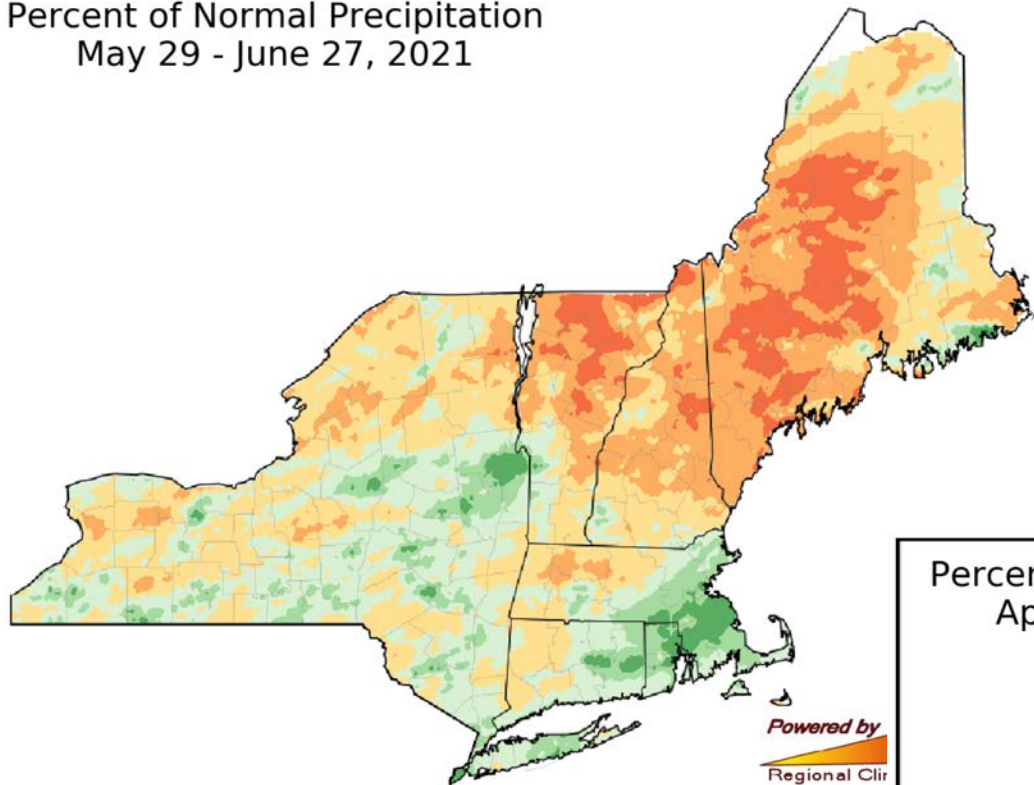
— Burlington Area, VT (ThreadEx):Precip Dprt

Powered by ACIS

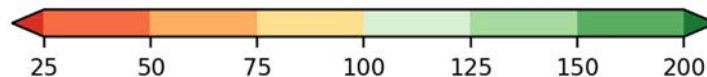
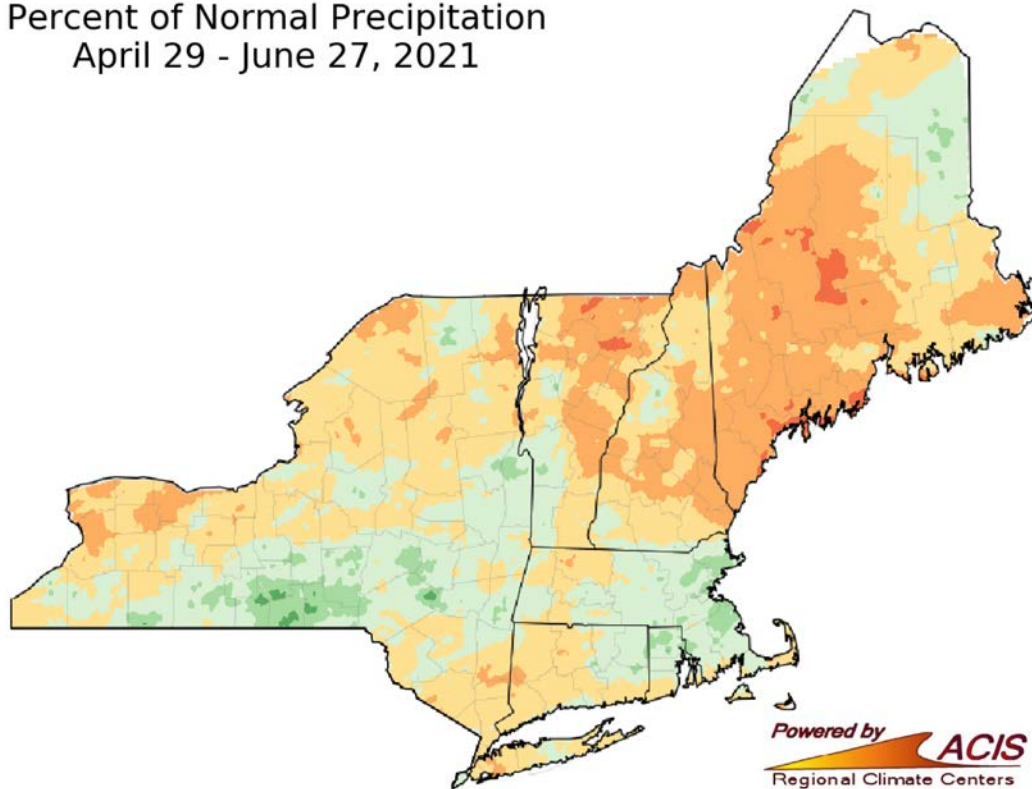


Precipitation

Percent of Normal Precipitation
May 29 - June 27, 2021



Percent of Normal Precipitation
April 29 - June 27, 2021

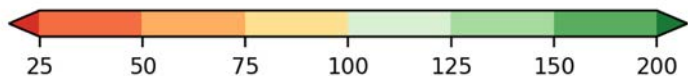
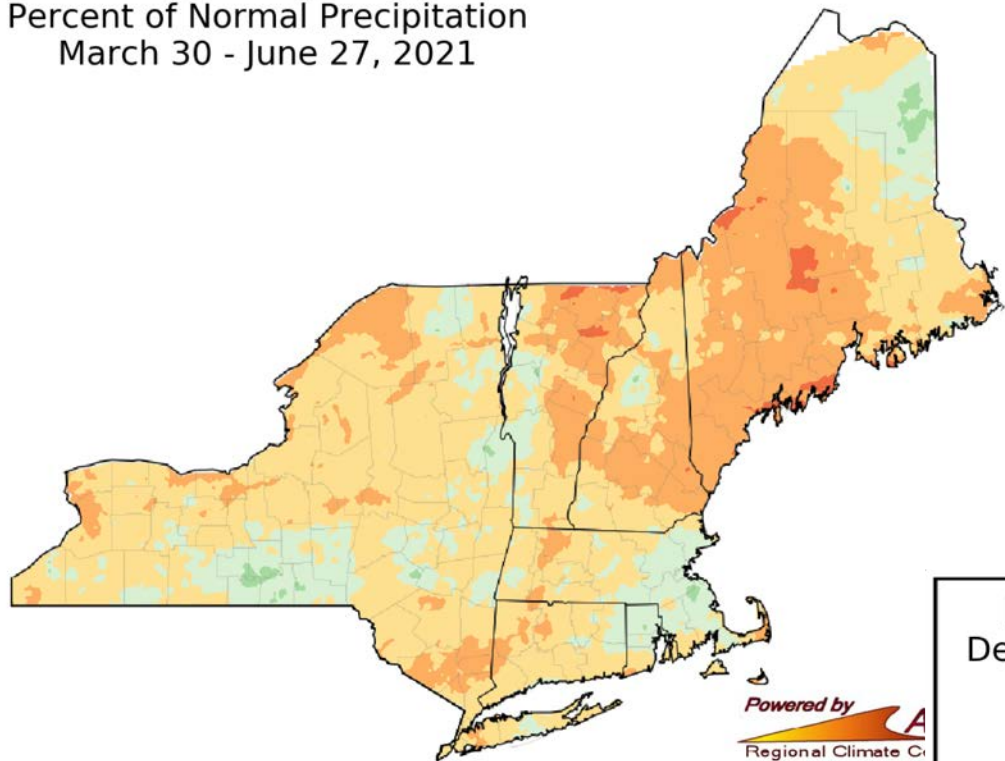


Powered by
Regional Clir

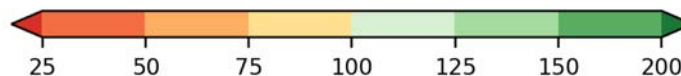
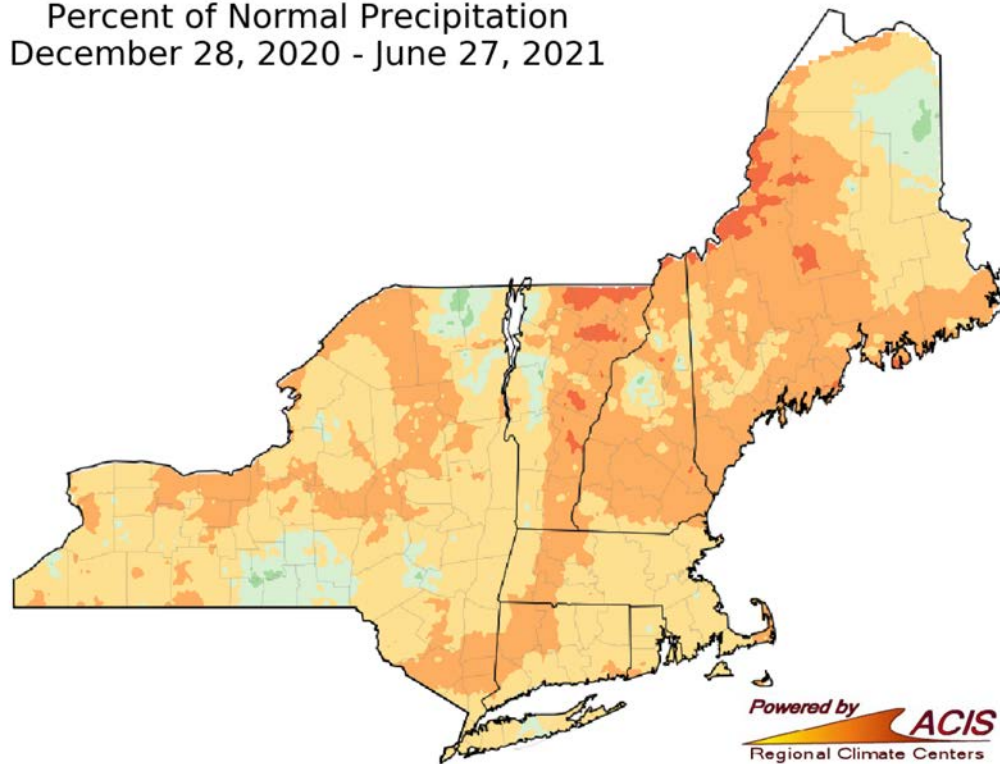
Powered by
ACIS
Regional Climate Centers

Precipitation

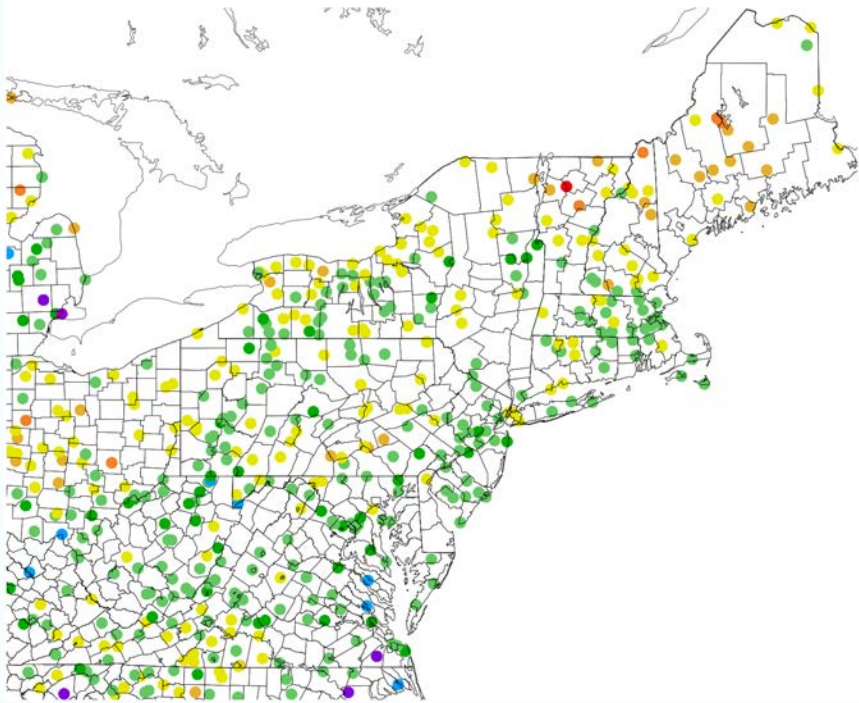
Percent of Normal Precipitation
March 30 - June 27, 2021



Percent of Normal Precipitation
December 28, 2020 - June 27, 2021

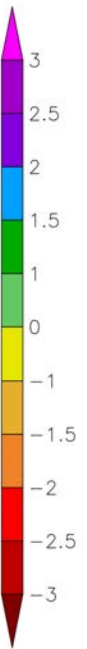
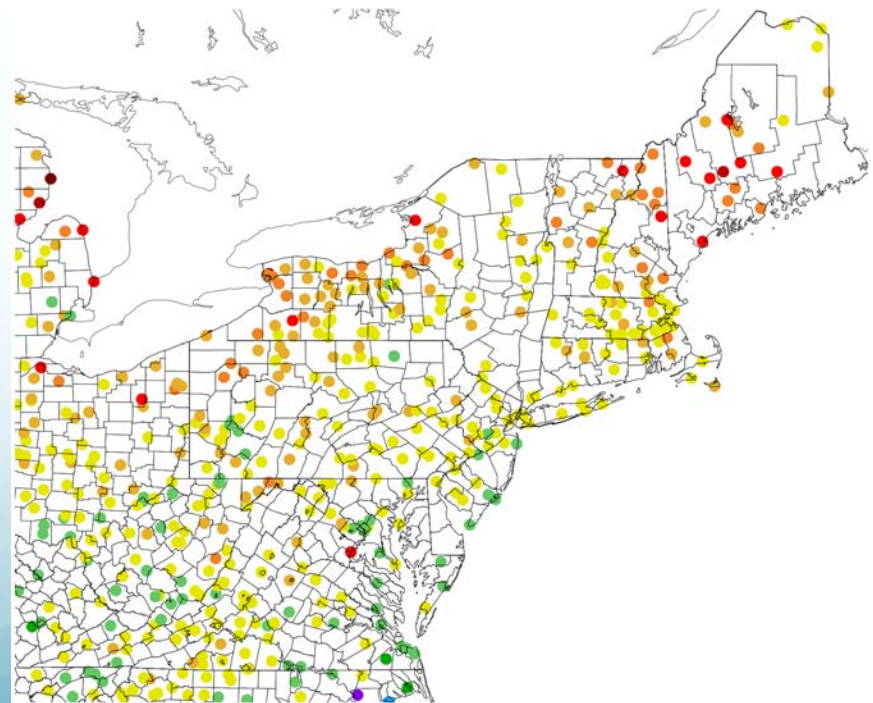


30 Day SPI
5/29/2021 - 6/27/2021



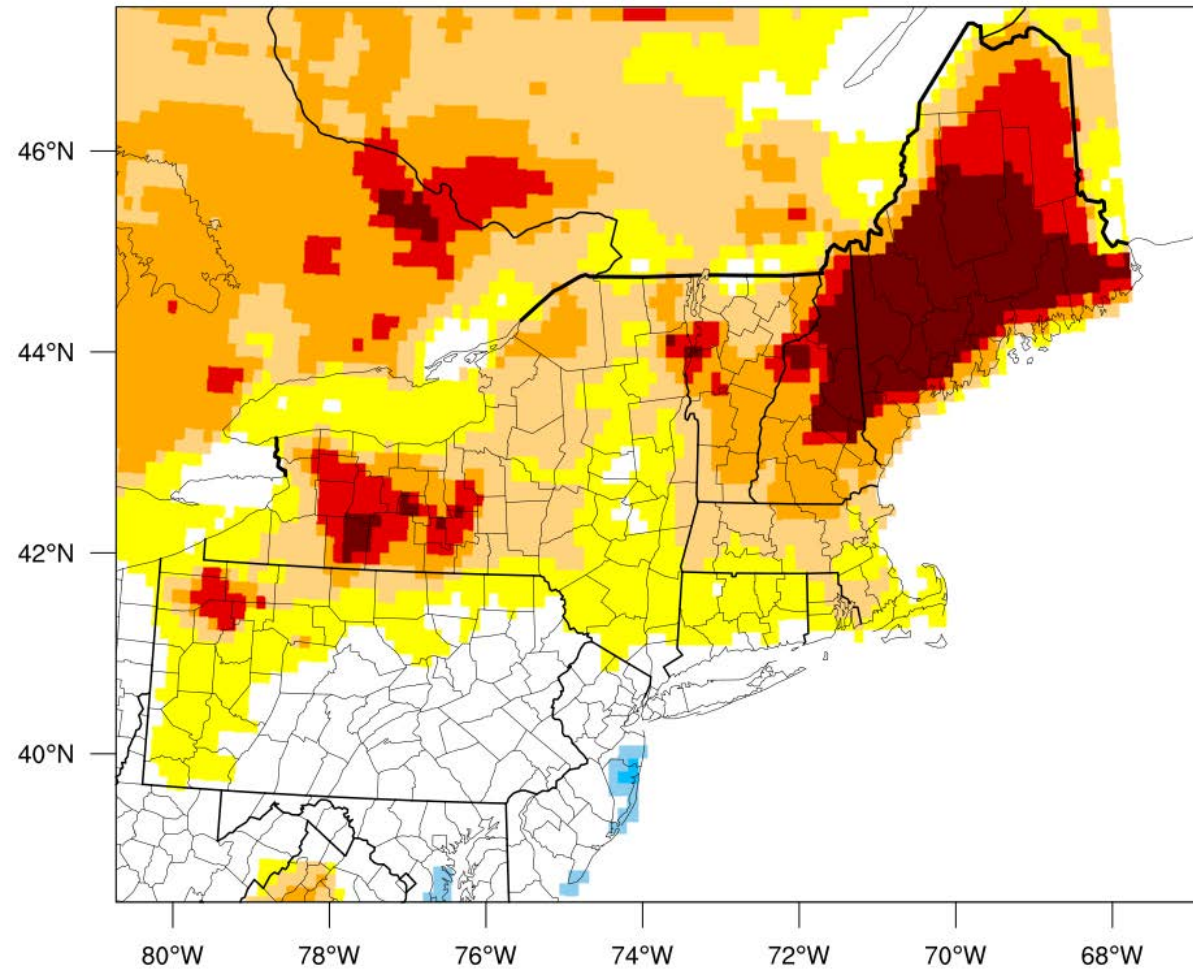
Standardized Precipitation Index

6 Month SPI
12/28/2020 - 6/27/2021



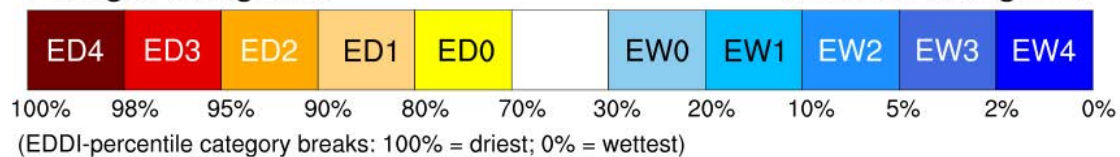
Evap. Demand Drought Index

3-week EDDI categories for June 19, 2021



Drought categories

Wetness categories



Generated by NOAA/ESRL/Physical Sciences Laboratory

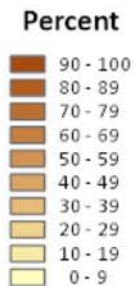
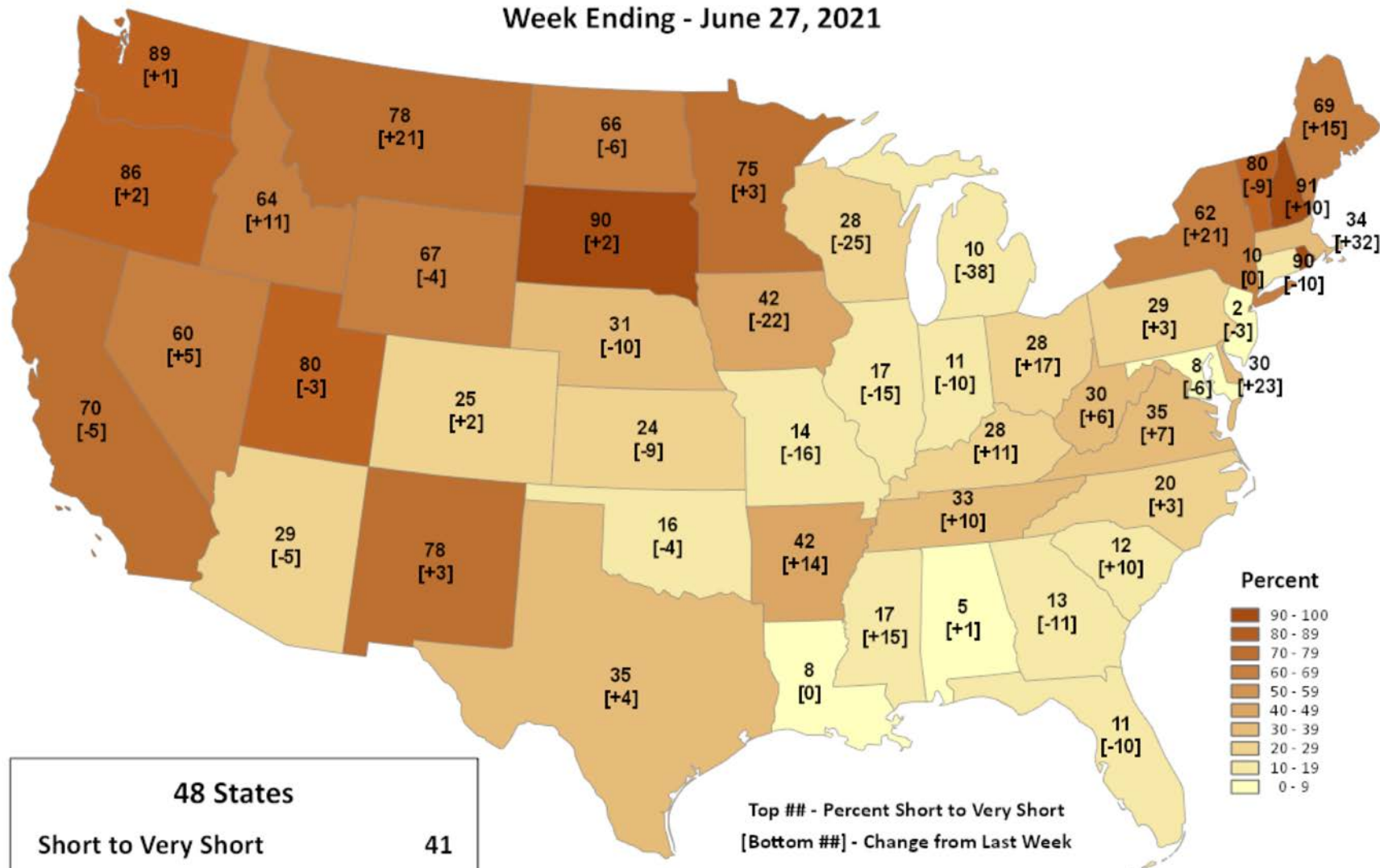


Soil Moisture



This product was prepared by the
USDA Office of the Chief Economist (OCE)
World Agricultural Outlook Board (WAOB)

Topsoil Moisture Percent Short to Very Short Week Ending - June 27, 2021



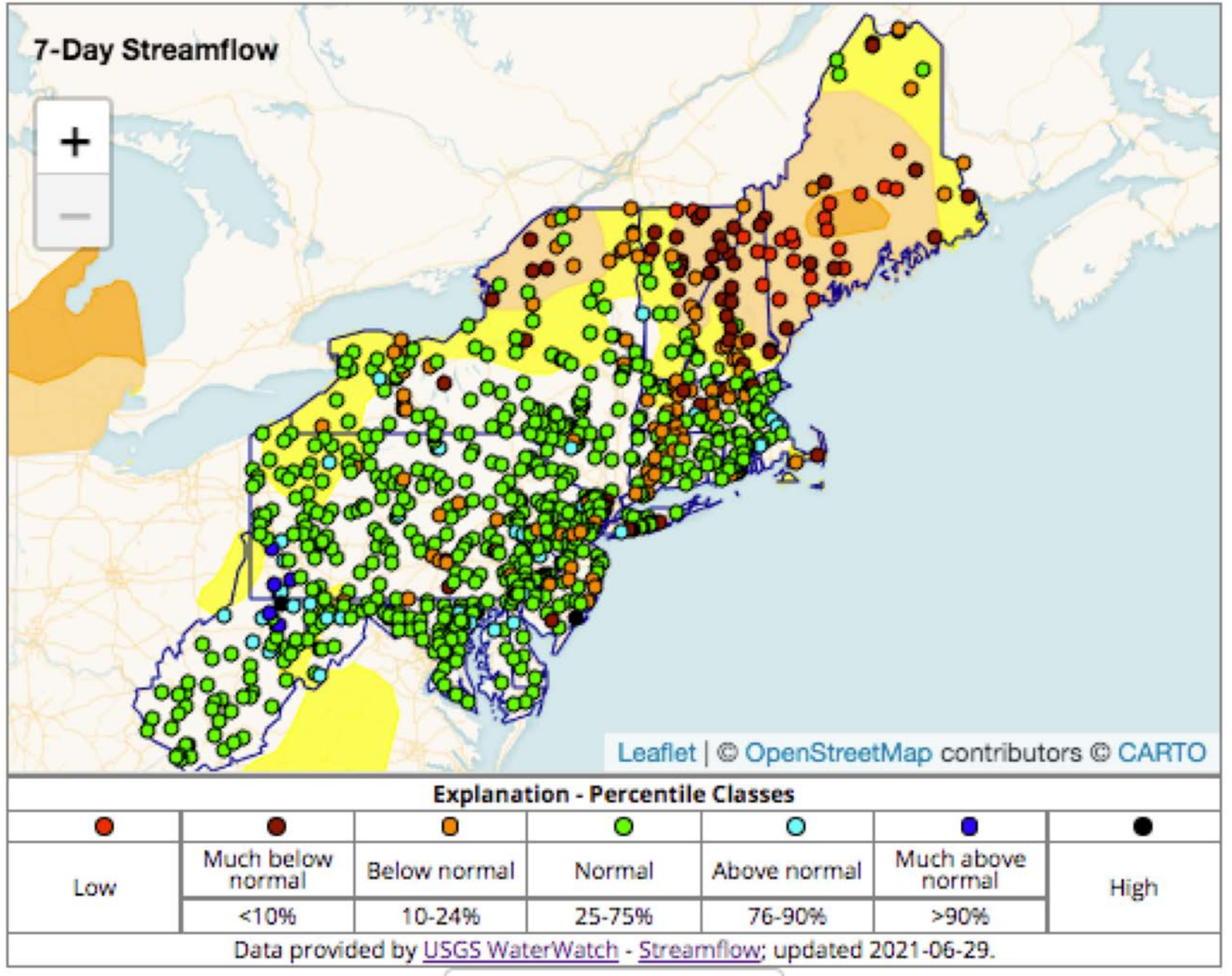
48 States	
Short to Very Short	41
Change from Last Week	-4

Top ### - Percent Short to Very Short
[Bottom ##] - Change from Last Week

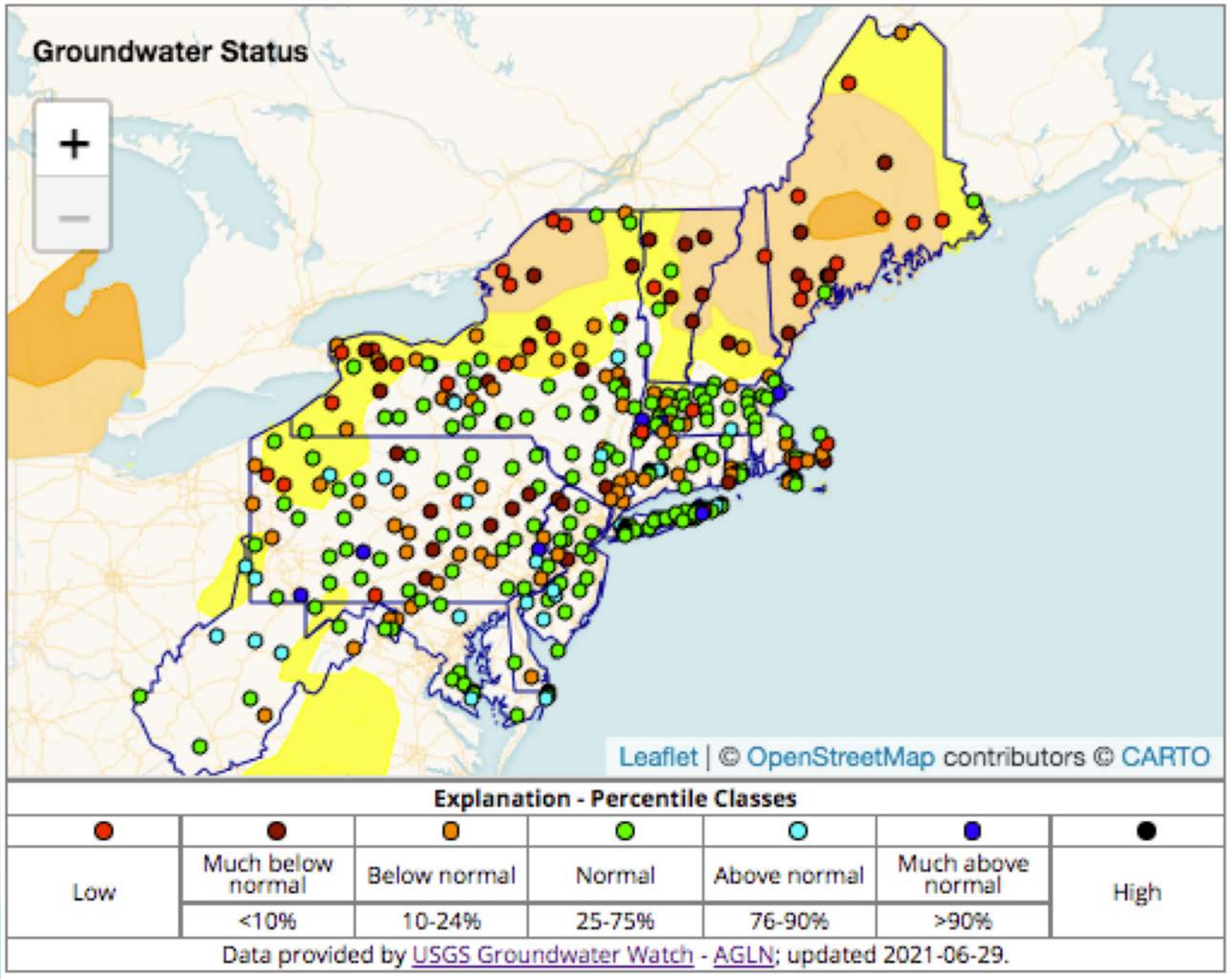
Data obtained from USDA National Agricultural Statistics Service weekly Crop Progress reports.



Streamflow



Groundwater



Known Water Use Restrictions

Last Update: 6/24/2021

Legend

- County Boundary
- Town Boundary

Drought Condition

- Abnormally Dry
- Moderate Drought
- Severe Drought
- Extreme Drought

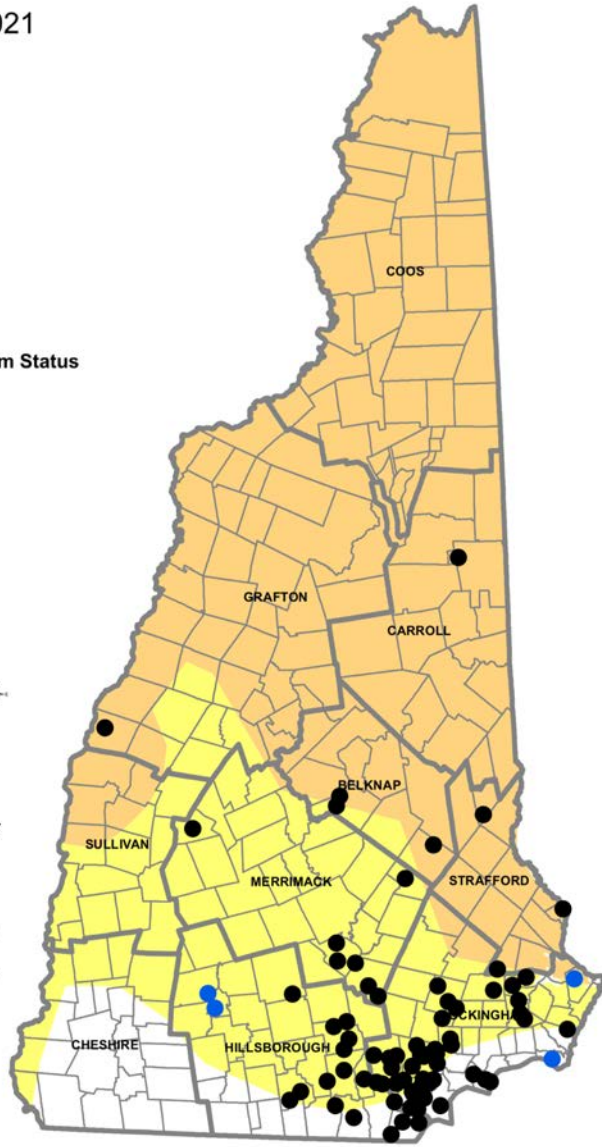
Municipality or Water System Status

- Voluntary Restriction
- Mandatory Restriction



Drought Conditions based on United States Drought Monitor (<https://droughtmonitor.unl.edu/CurrentMap/StateDroughtMonitor.aspx?NH>)

Disclaimer: The status of water use restrictions is based on information submitted to the New Hampshire Department of Environmental Services and may not be comprehensive.



Impacts

[Use our online survey to report a dry well](#)

Dry wells reported for 2021

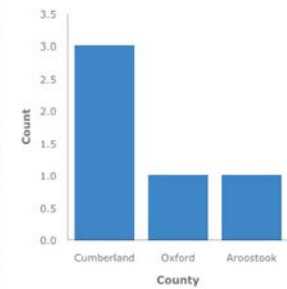
Number of dry wells reported

5

Last reported dry well date

6/23/2021

Dry wells by county

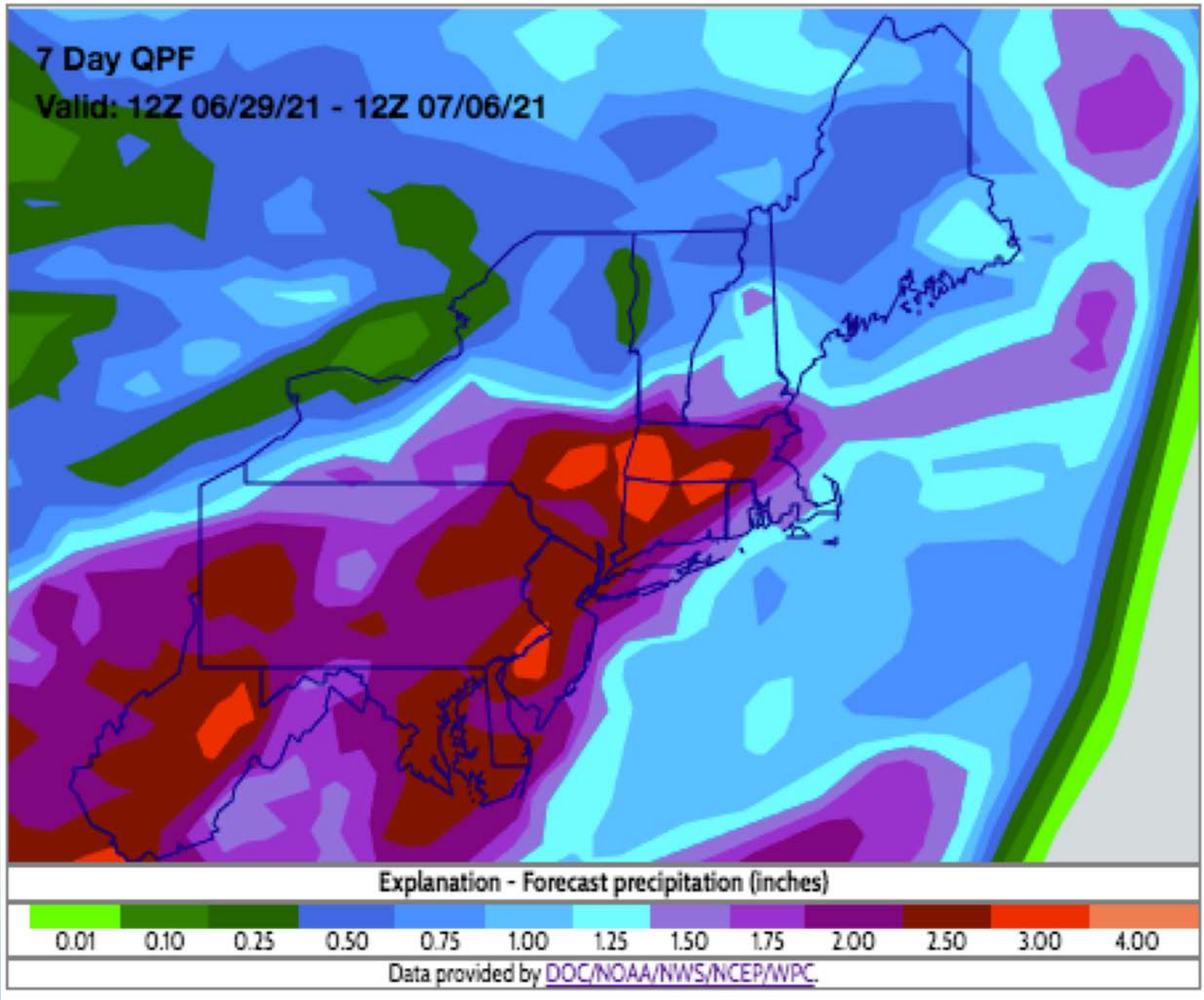


<https://maine-dry-well-survey-maine.hub.arcgis.com/>

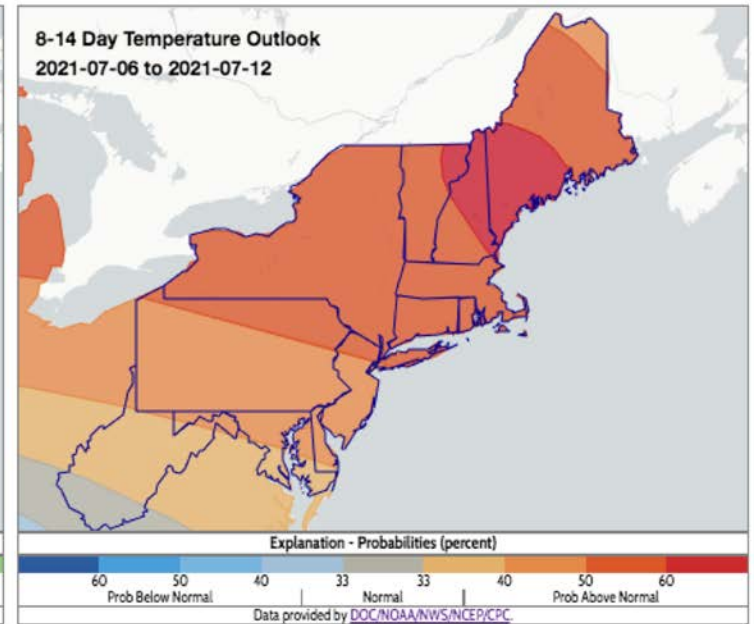
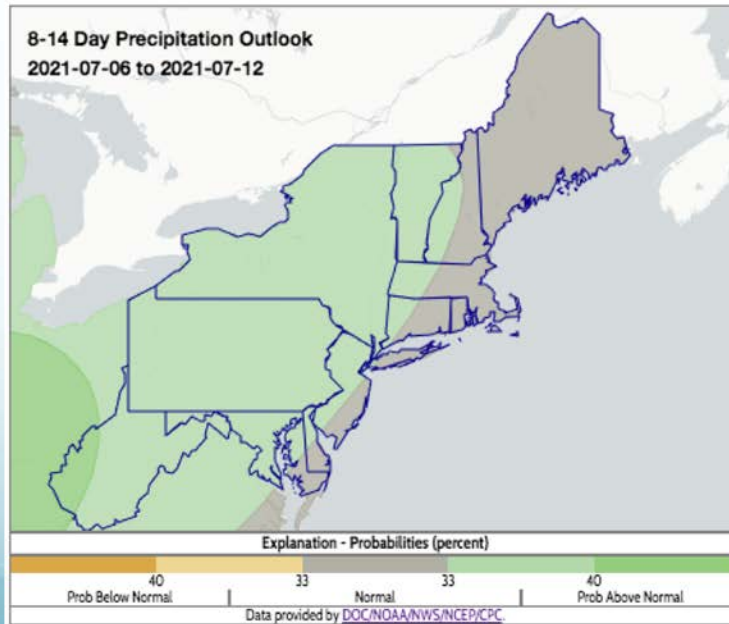
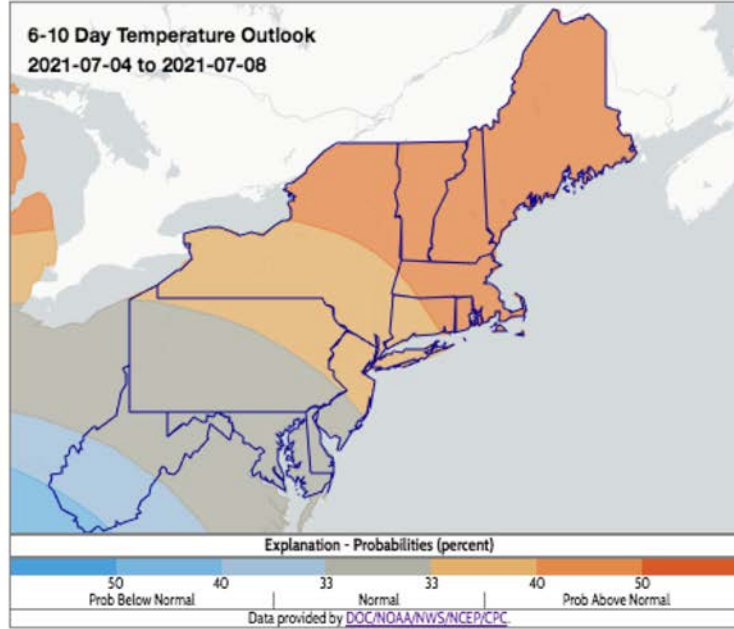
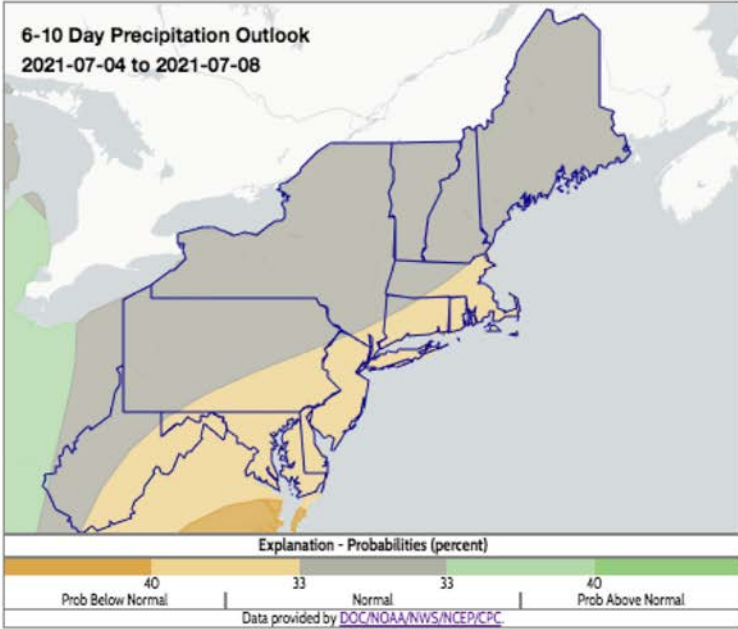


<https://anrmaps.vermont.gov/websites/droughtreporter/>

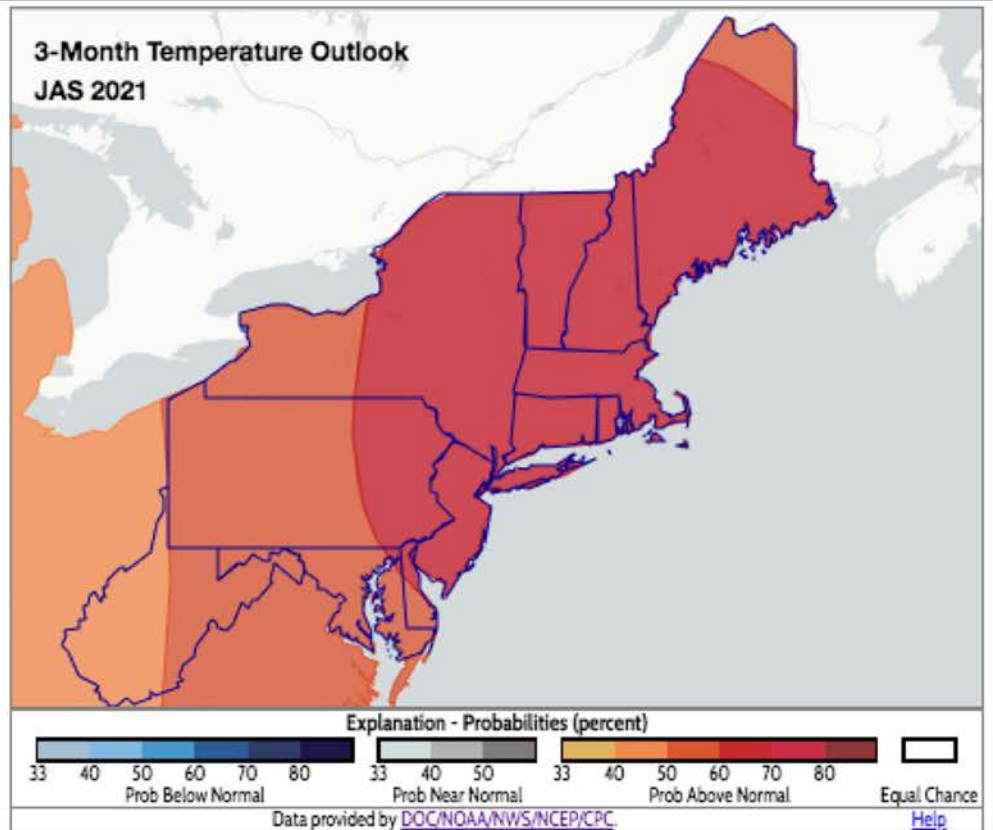
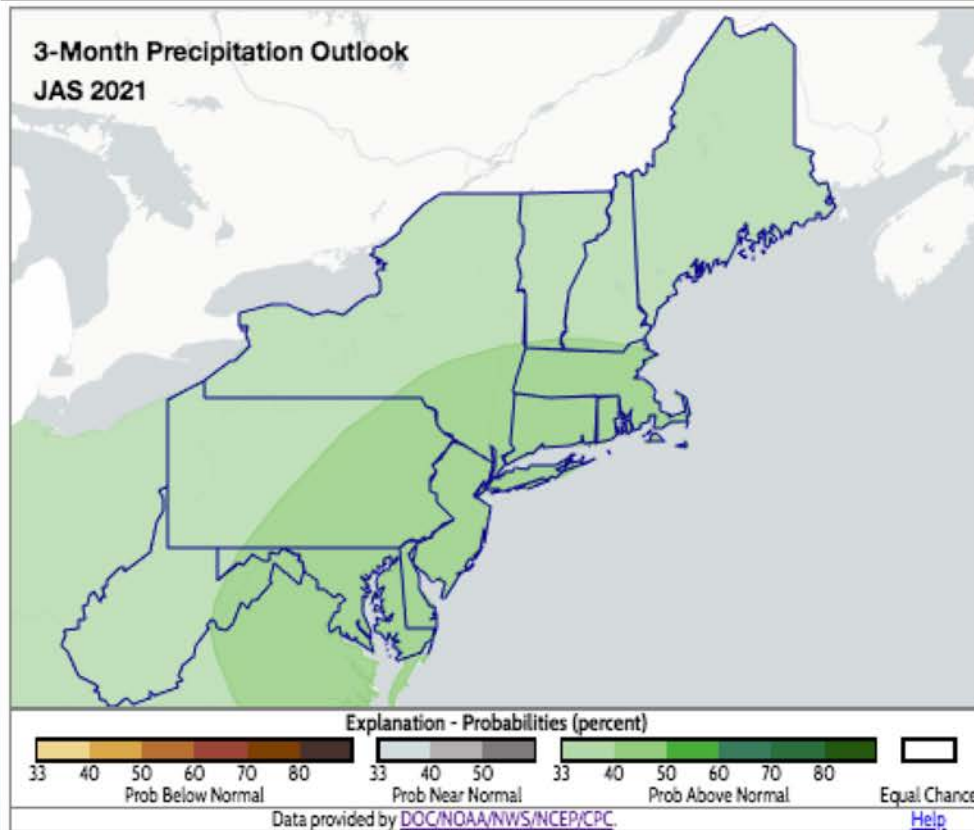
Precipitation Forecast



Short-term Outlooks



Three-Month Outlook



Contact Information

- nrcc@cornell.edu

Upcoming Webinars

- Tuesday, July 29 at 9:30am
 - Ocean climate series part 2
- Tuesday, August 31 at 9:30am
 - Atlantic hurricane season outlook



www.nrcc.cornell.edu