

# June Review & Northeast DEWS Discussion

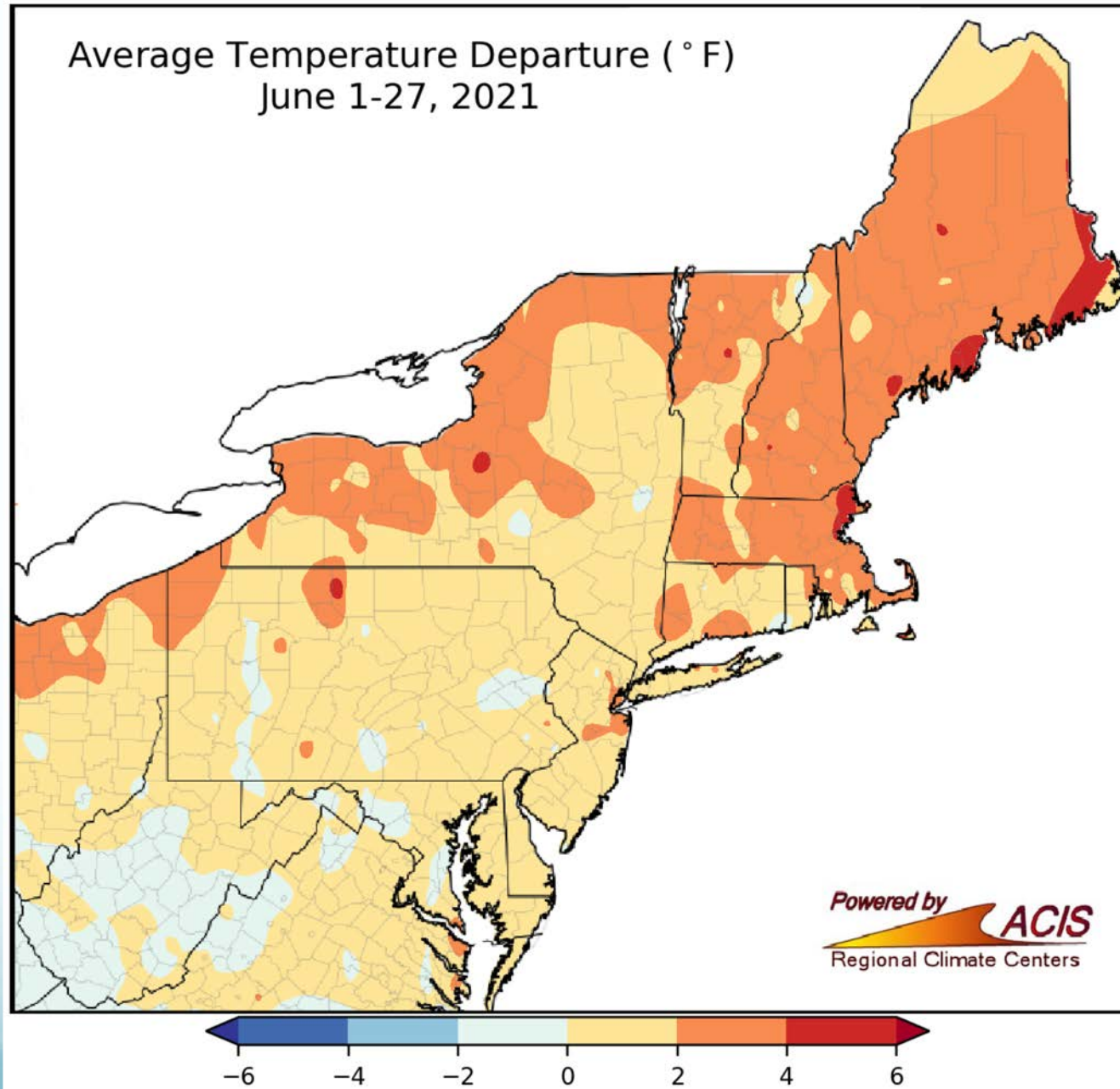
By: Samantha Borisoff, Climatologist  
Northeast Regional Climate Center



Northeast Regional  
Climate Center



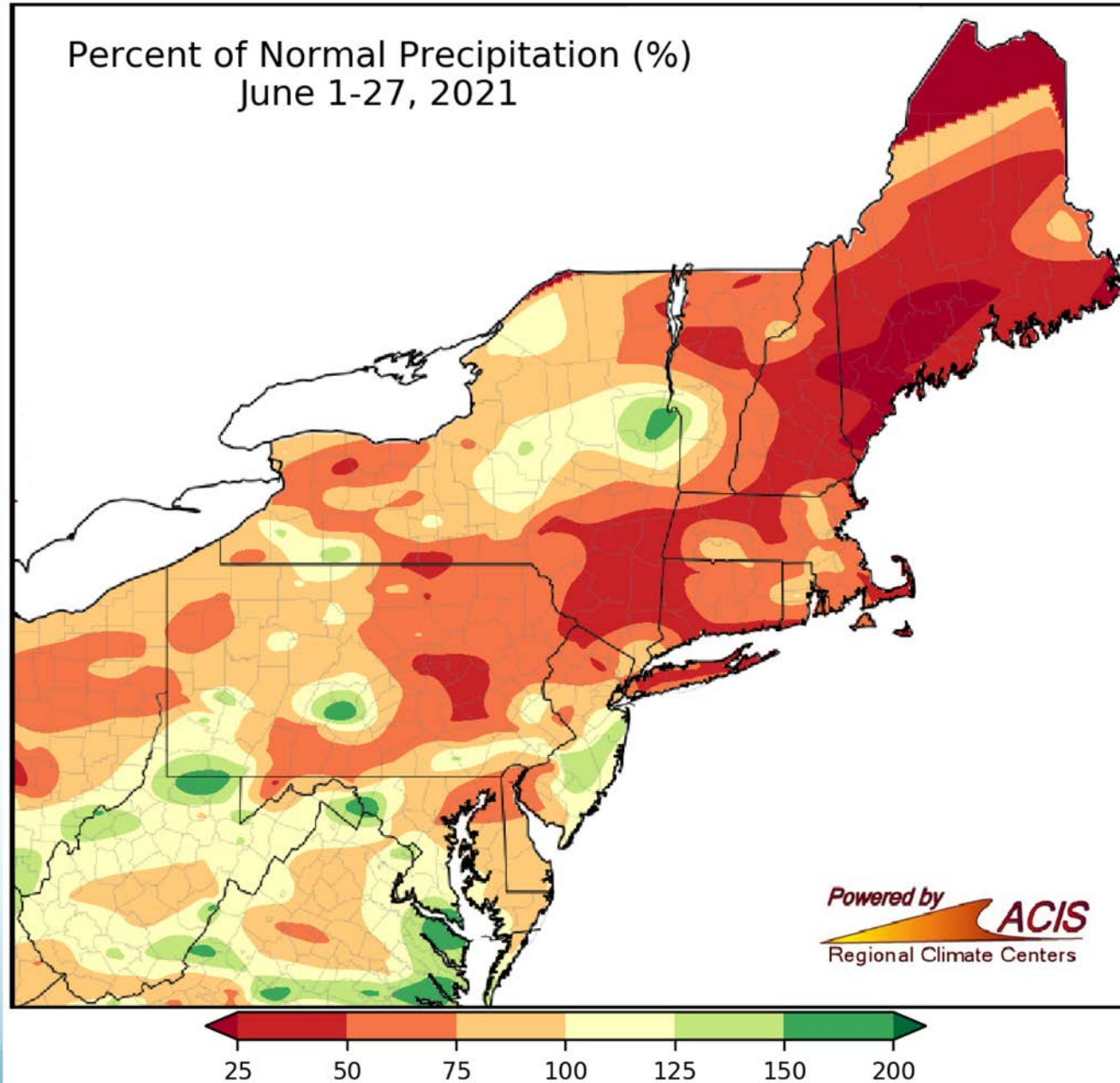
# June Temperatures



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

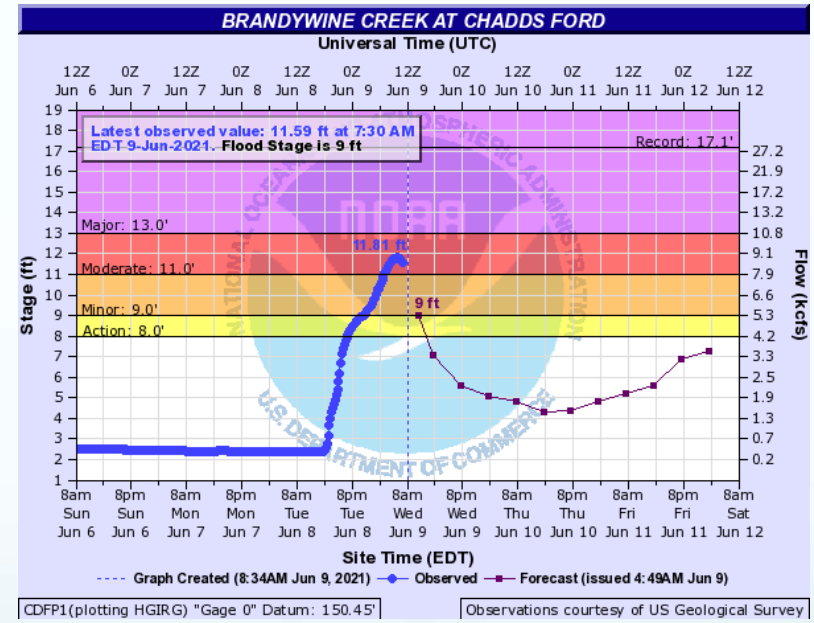
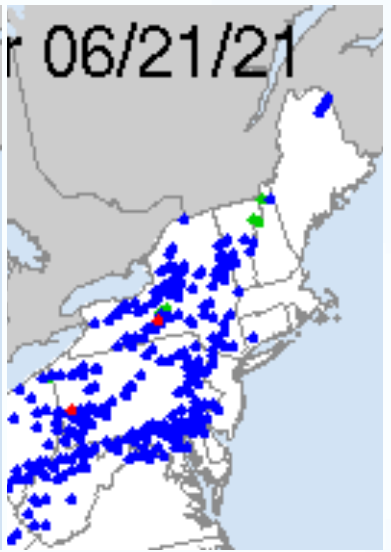
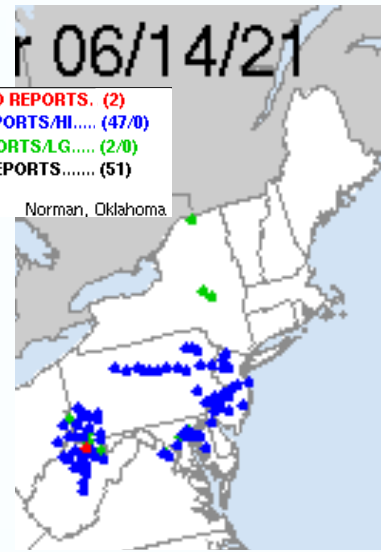
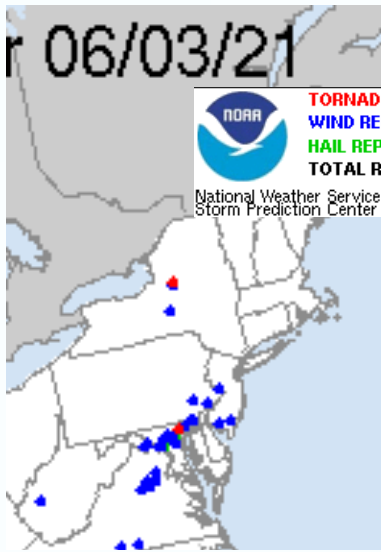


# June Precipitation



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

# June Severe Weather



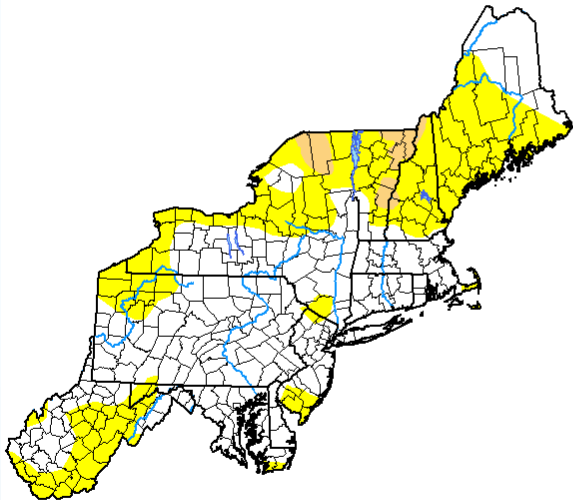
0715 PM      FLASH FLOOD      WEST HAMLIN      38.28N 82.20W  
06/10/2021           LINCOLN      WV      EMERGENCY MNGR

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

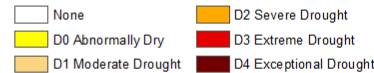


**June 1, 2021**  
(Released Thursday, Jun. 3, 2021)  
Valid 8 a.m. EDT

Drought Conditions (Percent Area)

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

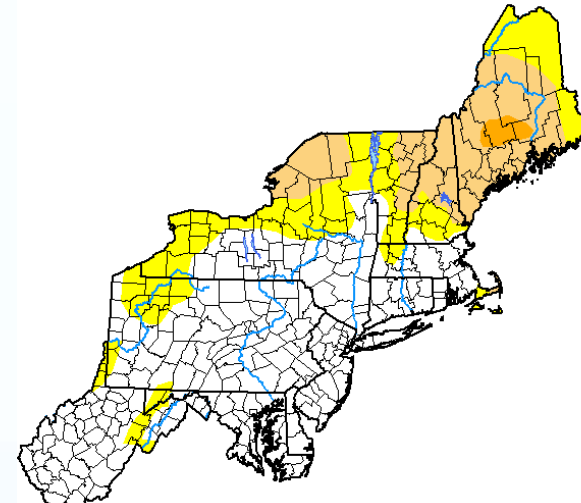
Author:

Brian Fuchs  
National Drought Mitigation Center



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

## U.S. Drought Monitor Northeast Climate Region

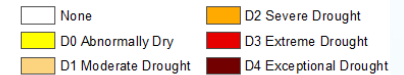


**June 22, 2021**  
(Released Thursday, Jun. 24, 2021)  
Valid 8 a.m. EDT

Drought Conditions (Percent Area)

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



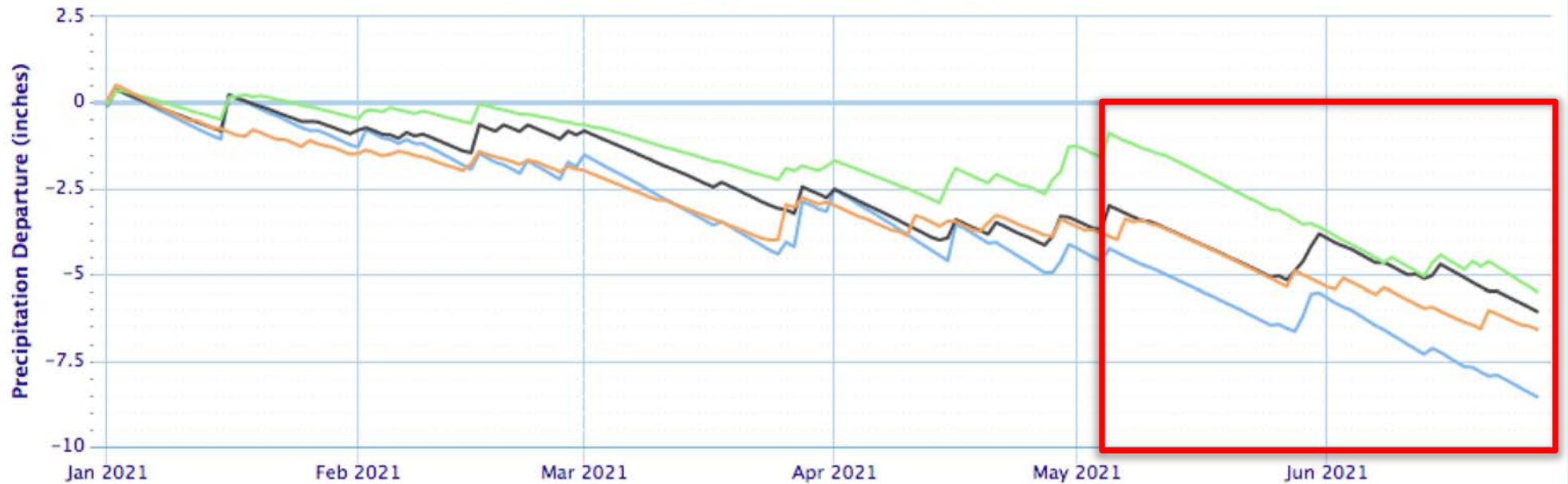
[droughtmonitor.unl.edu](https://droughtmonitor.unl.edu)



# Precipitation

## Accumulated Precipitation Departure from Normal

Green/black diamonds represent subsequent/missing values



(Click to hide/show lines)

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

— Concord Area, NH (ThreadEx):Precip Dprt

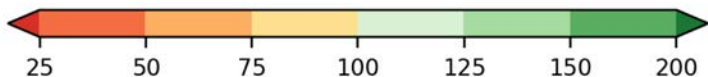
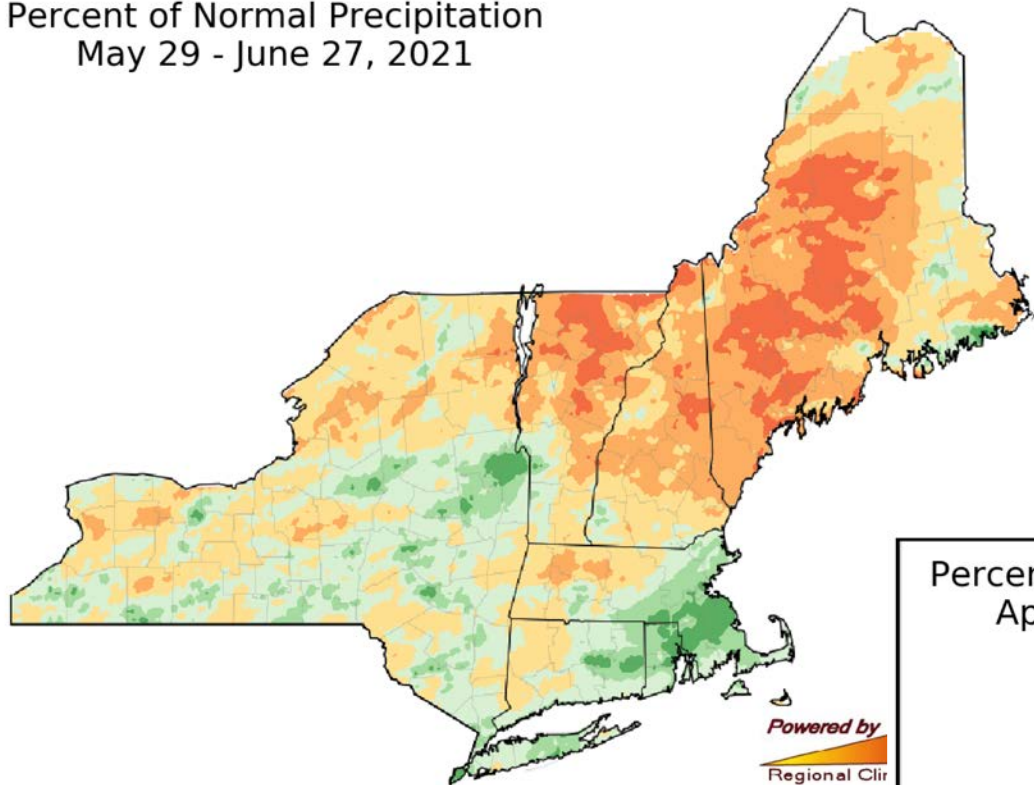
— Burlington Area, VT (ThreadEx):Precip Dprt

Powered by ACIS

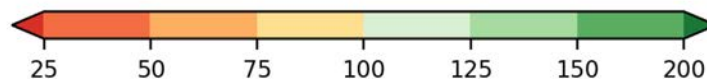
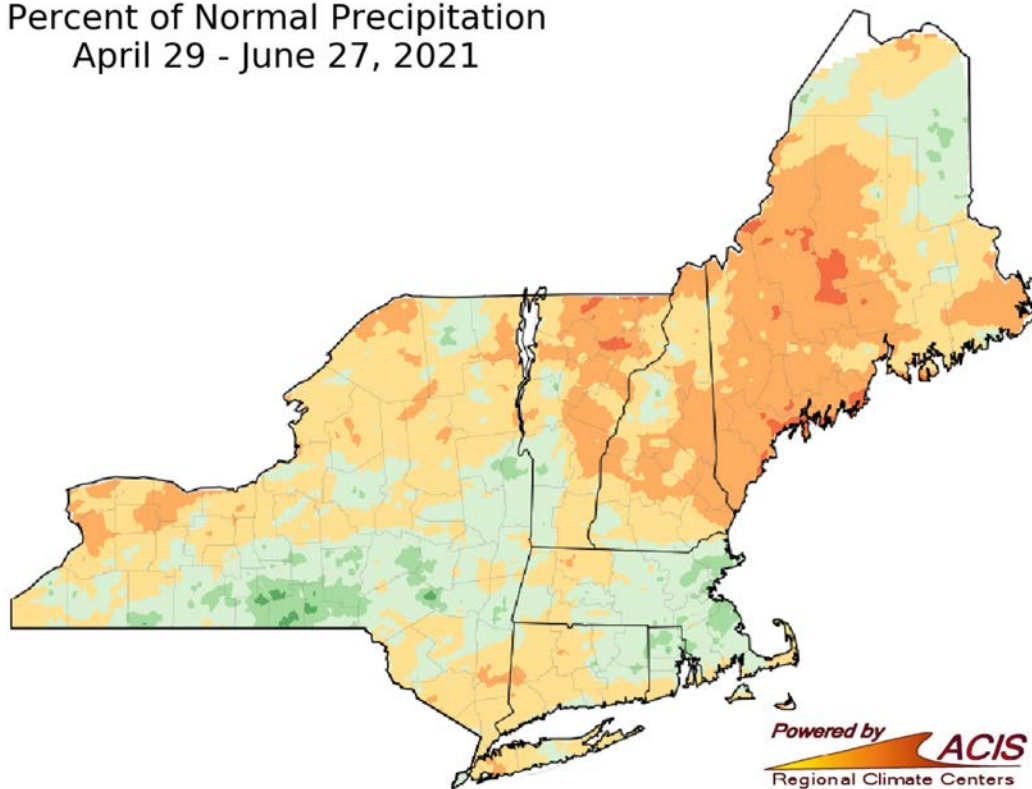


# Precipitation

Percent of Normal Precipitation  
May 29 - June 27, 2021

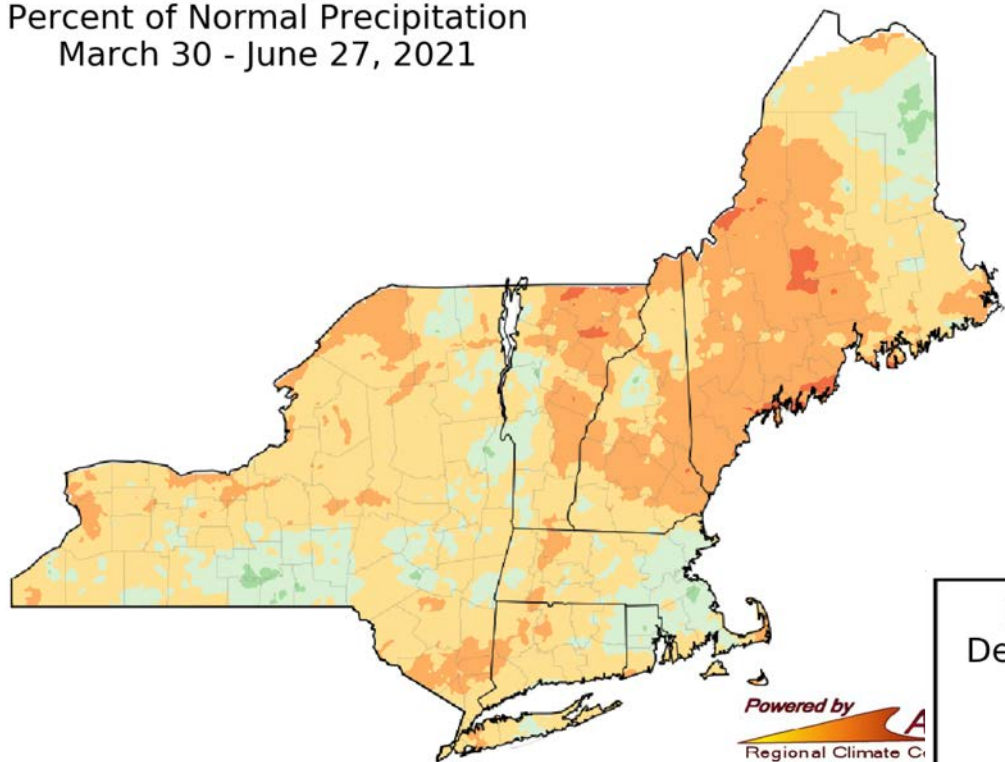


Percent of Normal Precipitation  
April 29 - June 27, 2021

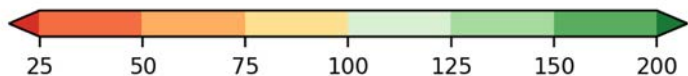


# Precipitation

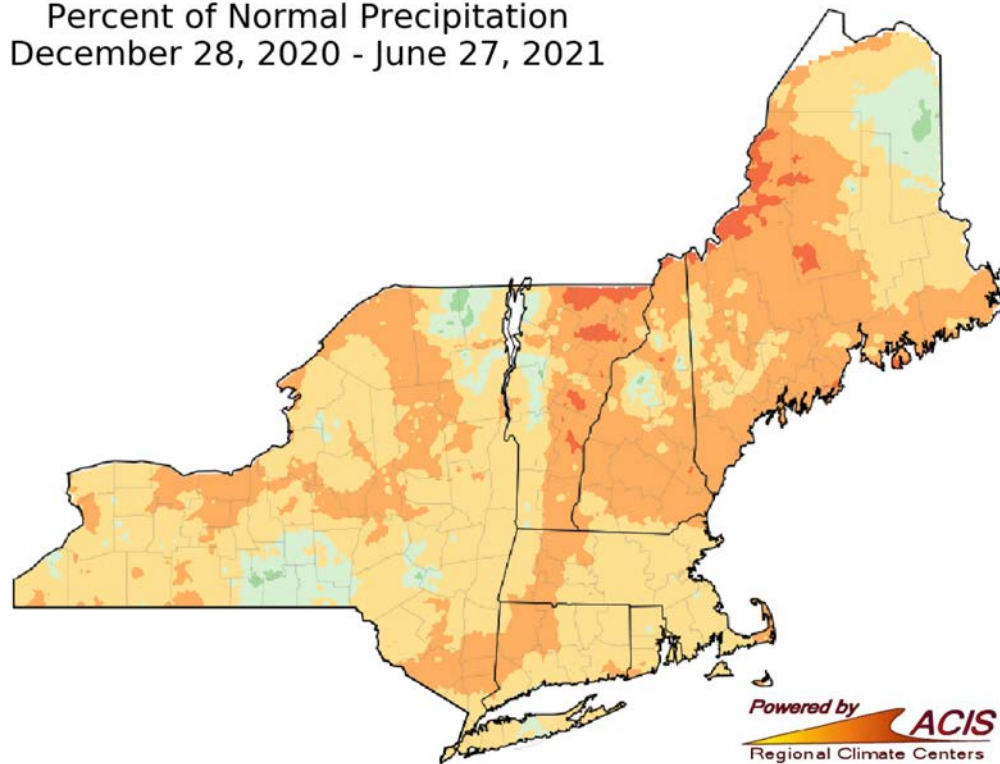
Percent of Normal Precipitation  
March 30 - June 27, 2021



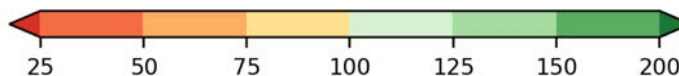
Powered by  
Regional Climate C



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

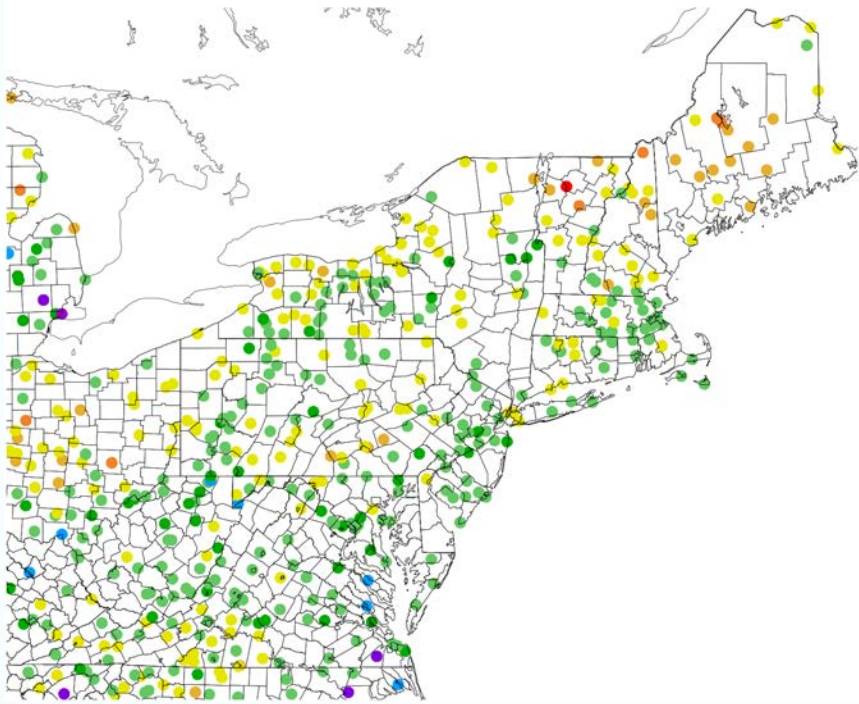


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**ACIS**  
Regional Climate Centers



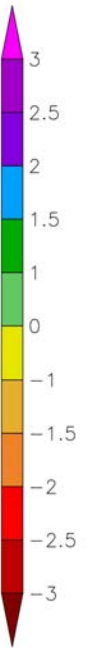
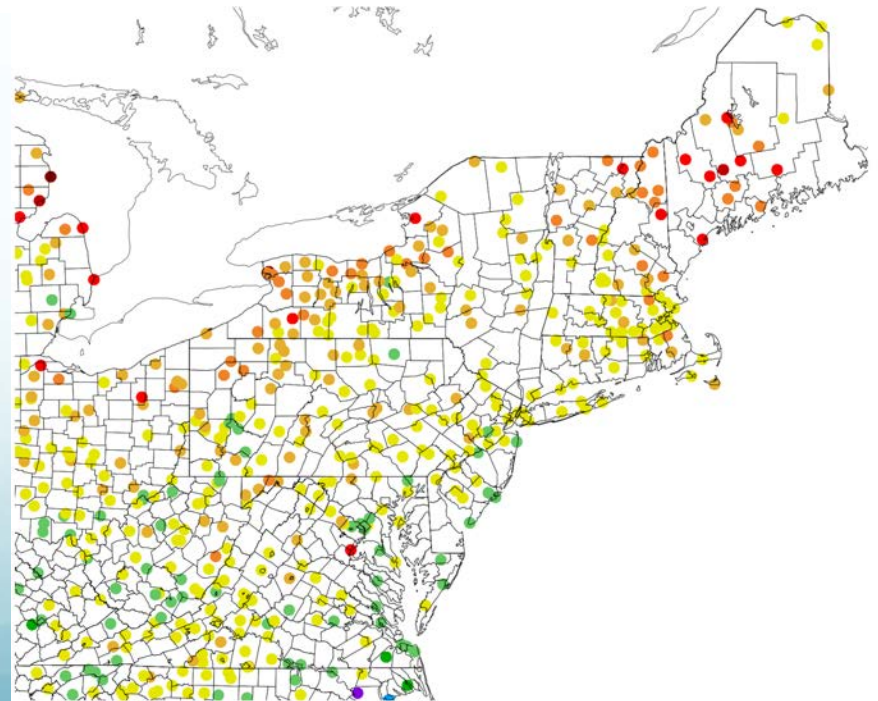


30 Day SPI  
5/29/2021 - 6/27/2021



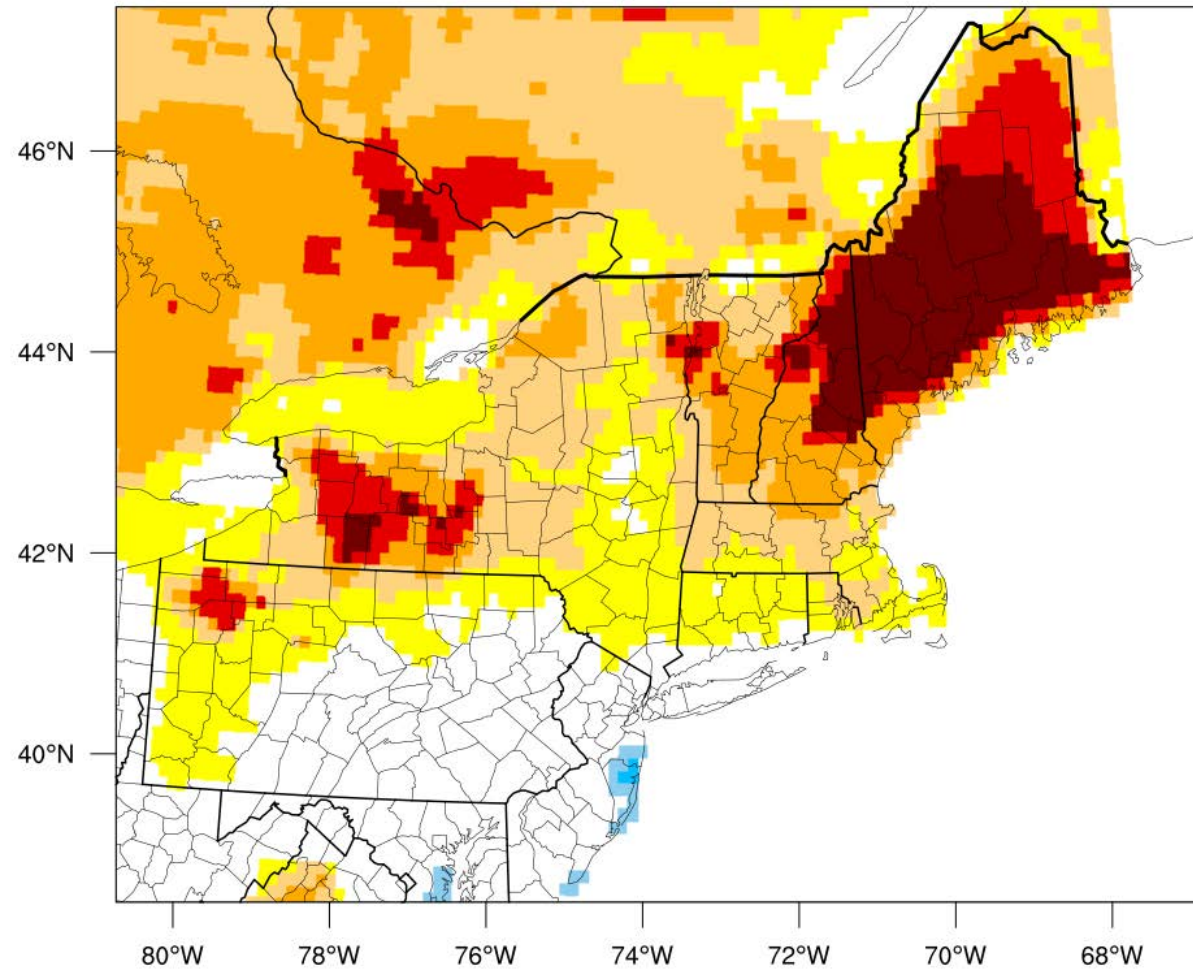
# Standardized Precipitation Index

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



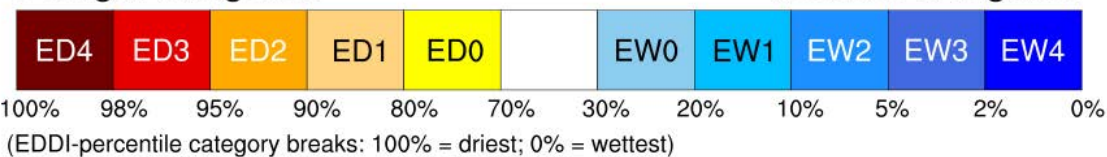
# Evap. Demand Drought Index

3-week EDDI categories for June 19, 2021



Drought categories

Wetness categories



Generated by NOAA/ESRL/Physical Sciences Laboratory

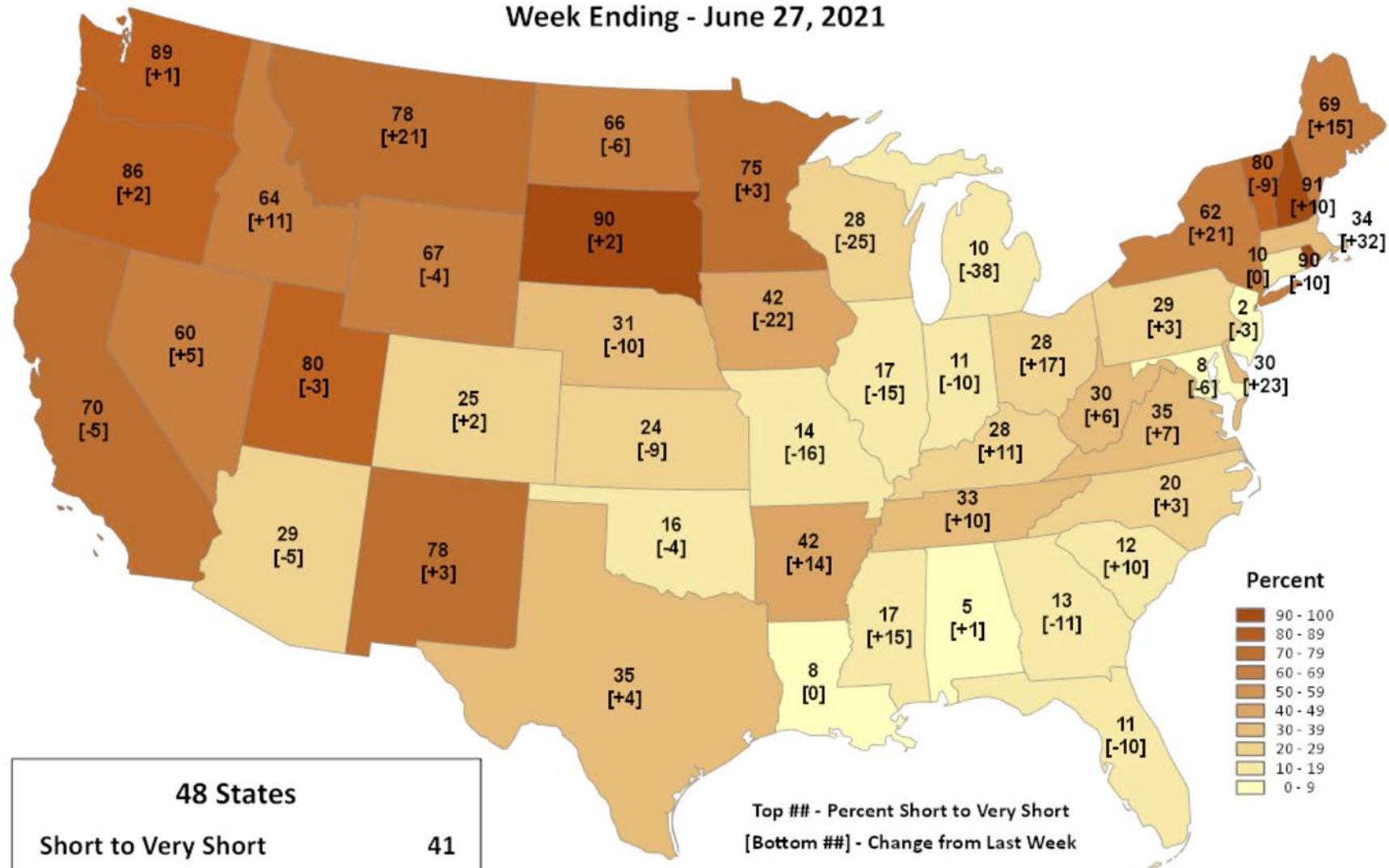


# Soil Moisture



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



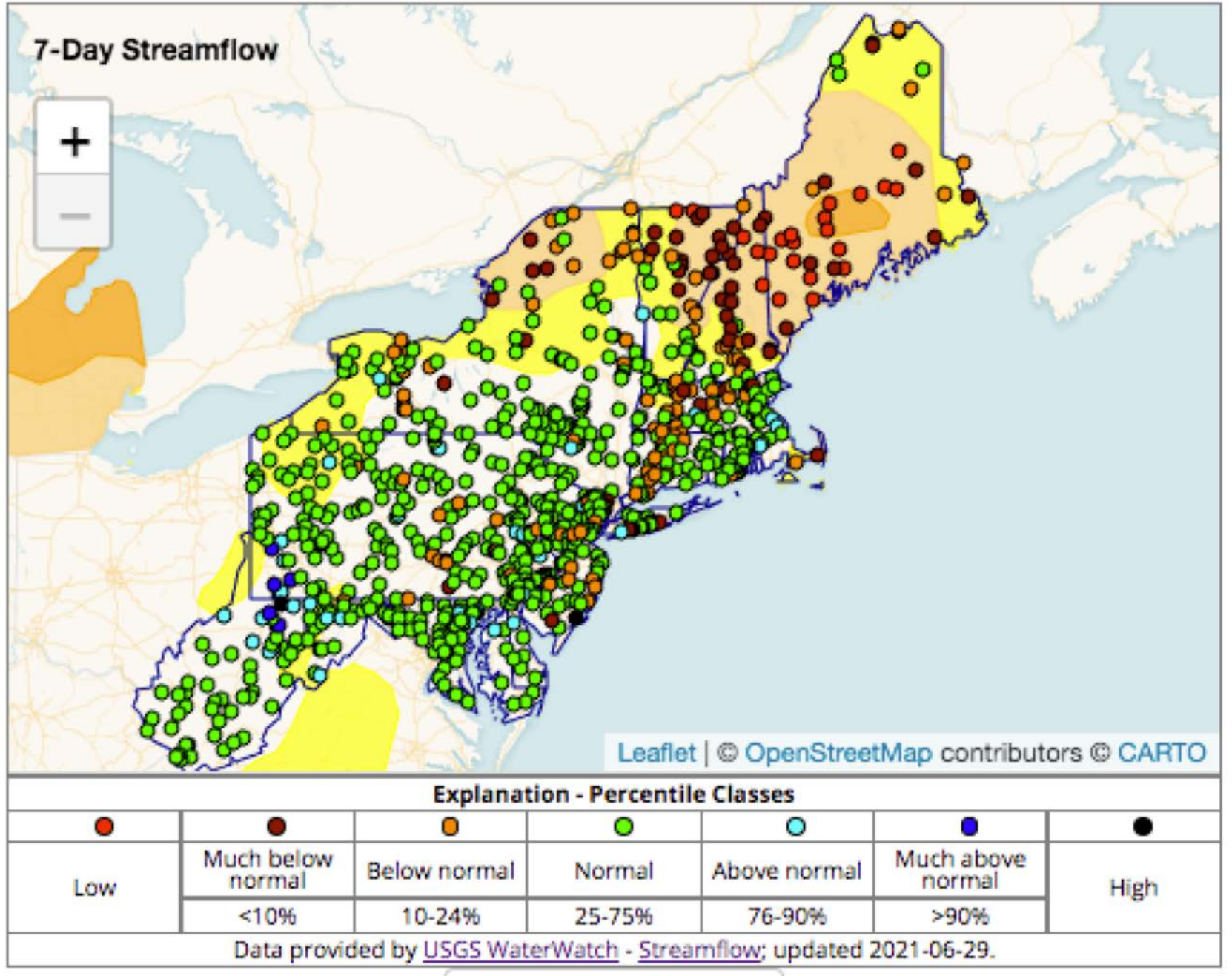
<b>48 States</b>	
Short to Very Short	41
Change from Last Week	-4

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

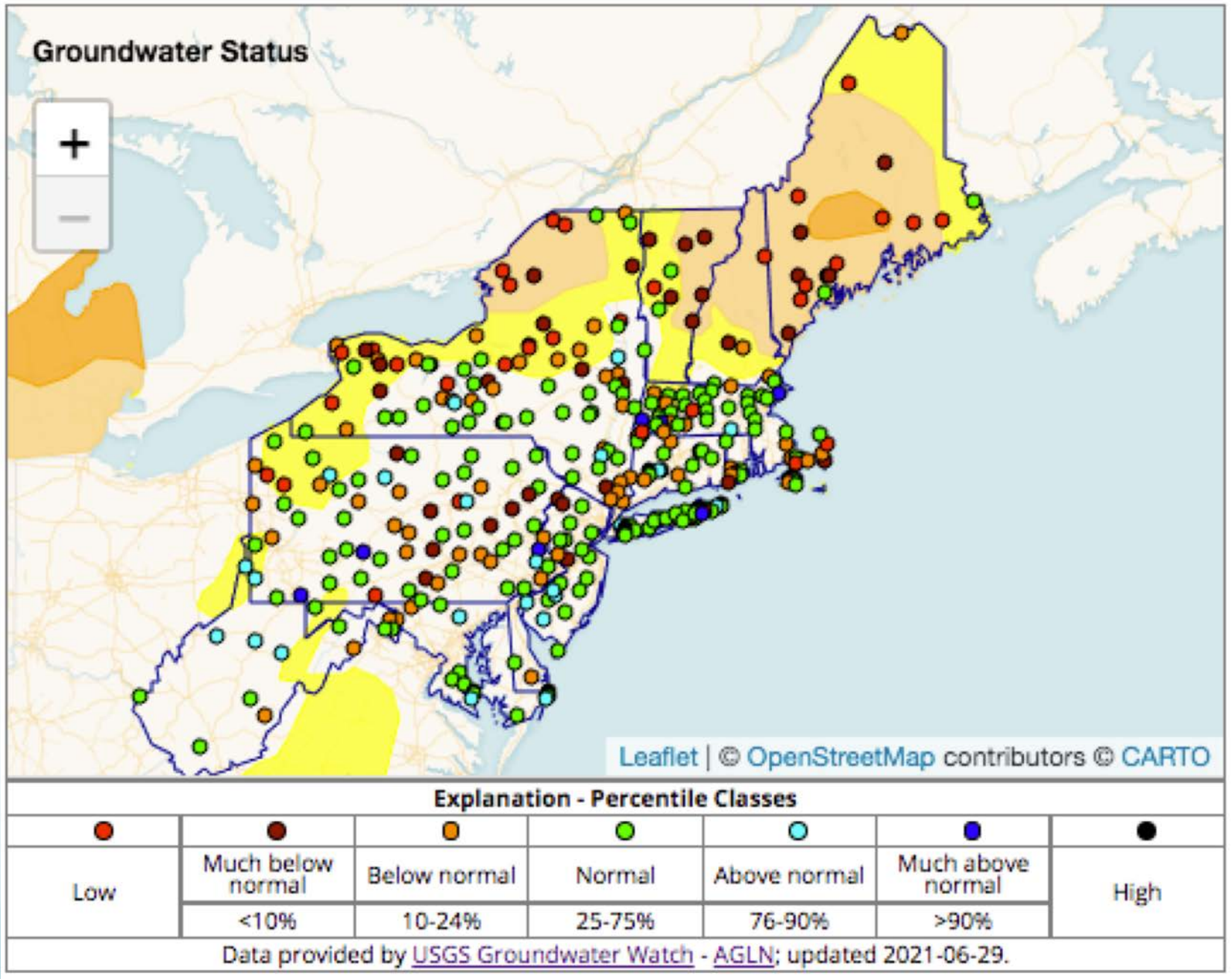
Data obtained from USDA National Agricultural Statistics Service weekly Crop Progress reports.



# 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

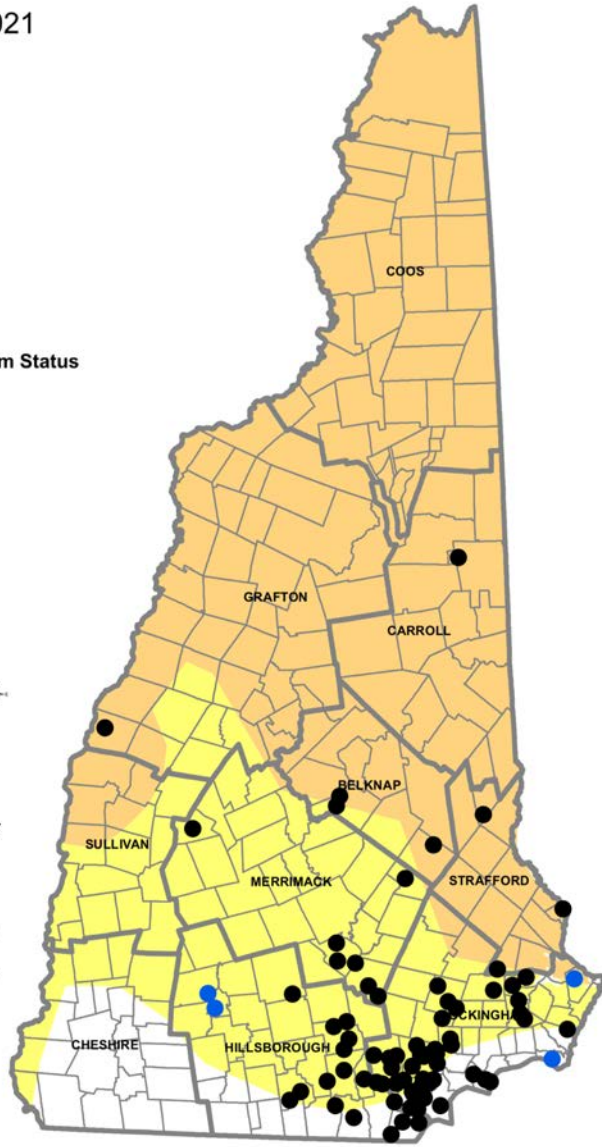
## Municipality or Water System Status

- 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

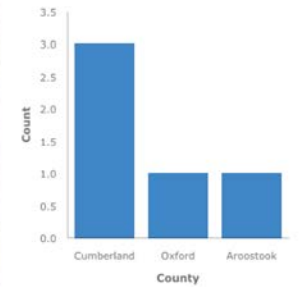
Number of dry wells reported

5

Last reported dry well date

6/23/2021

Dry wells by county

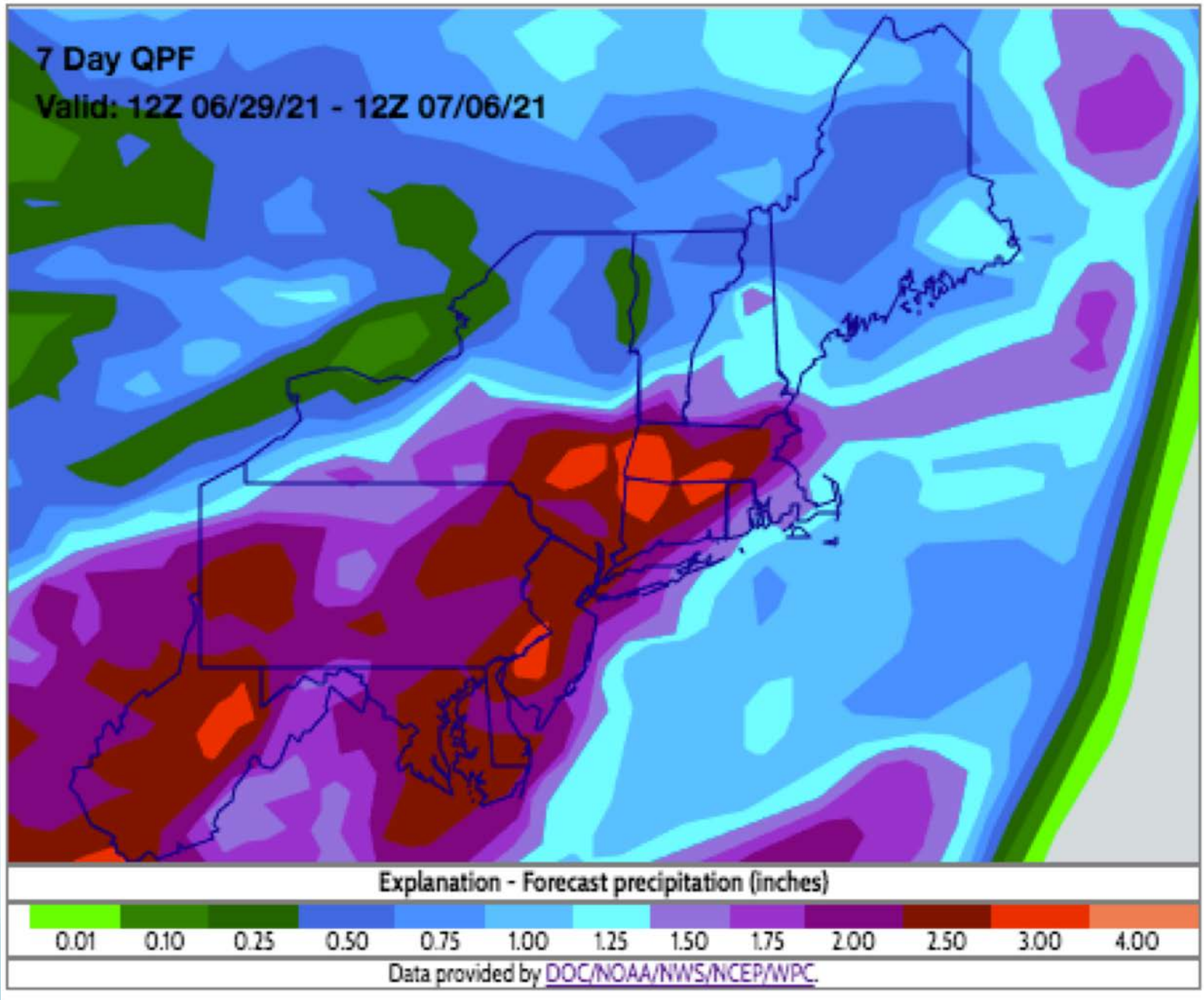


<https://maine-dry-well-survey-maine.hub.arcgis.com/>

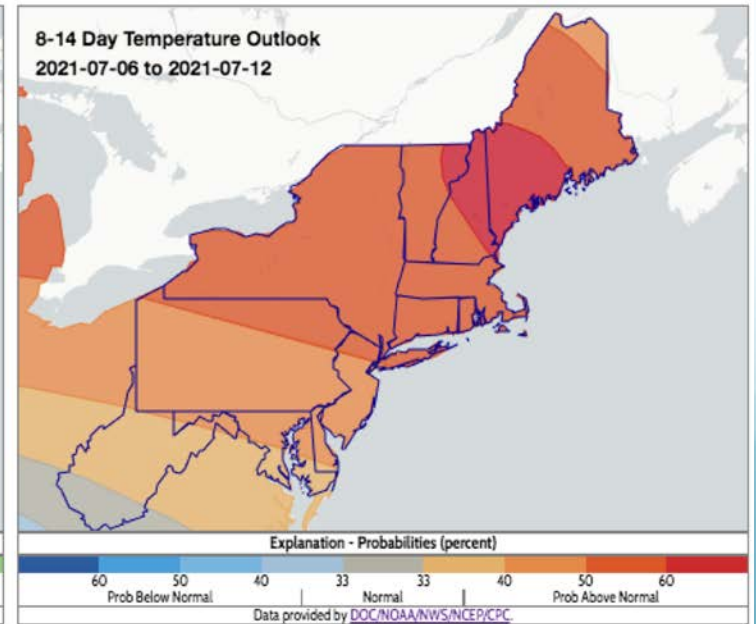
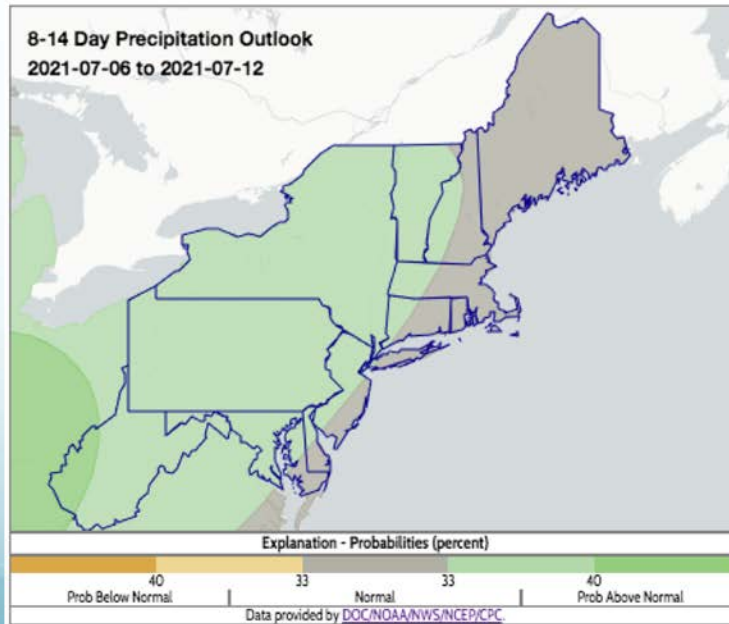
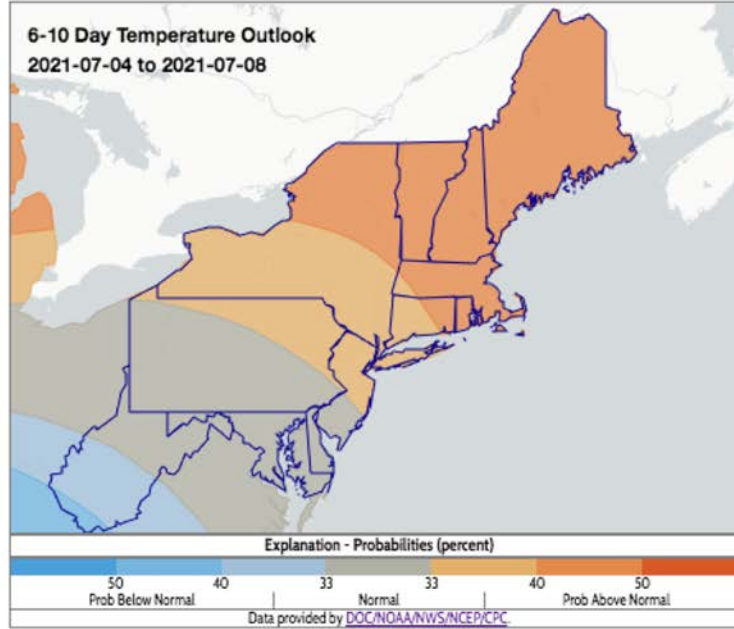
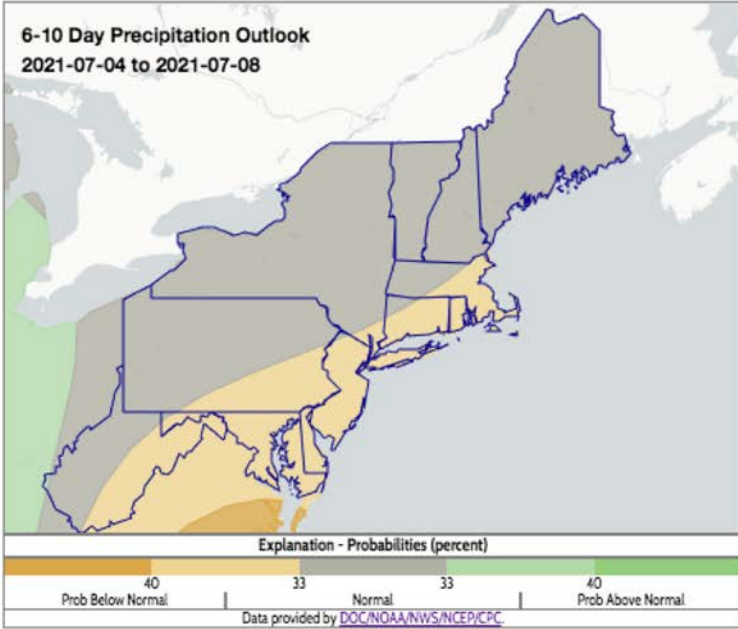


<https://anrmaps.vermont.gov/websites/droughtreporter/>

# Precipitation Forecast

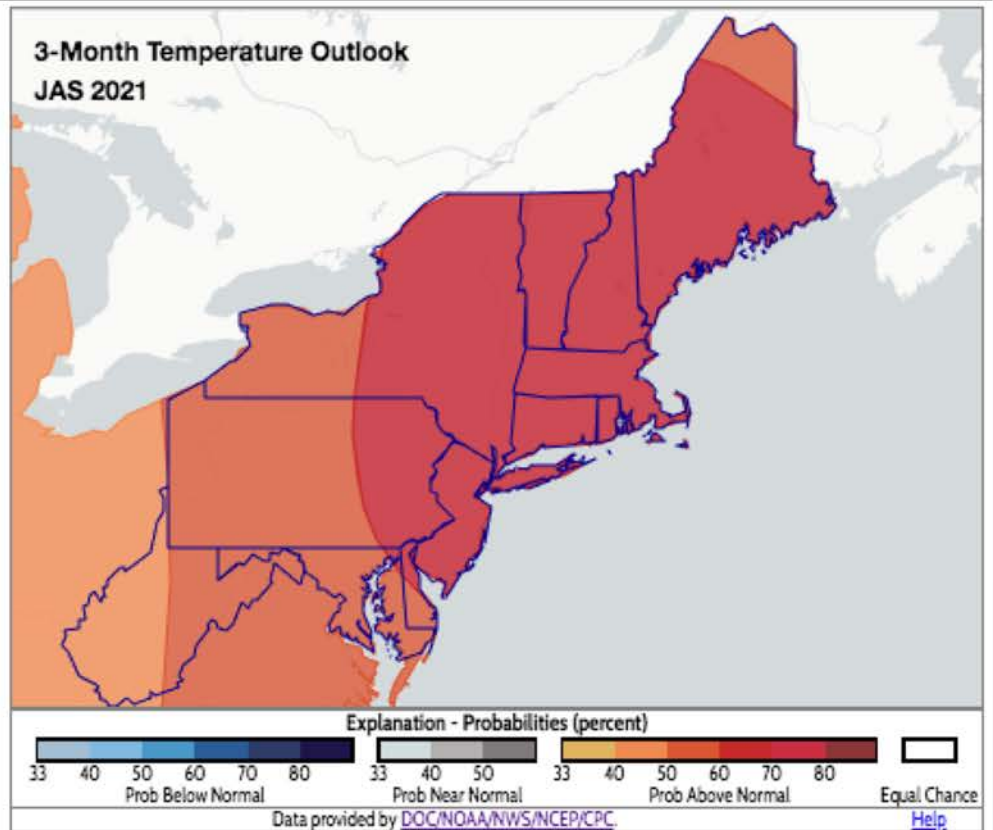
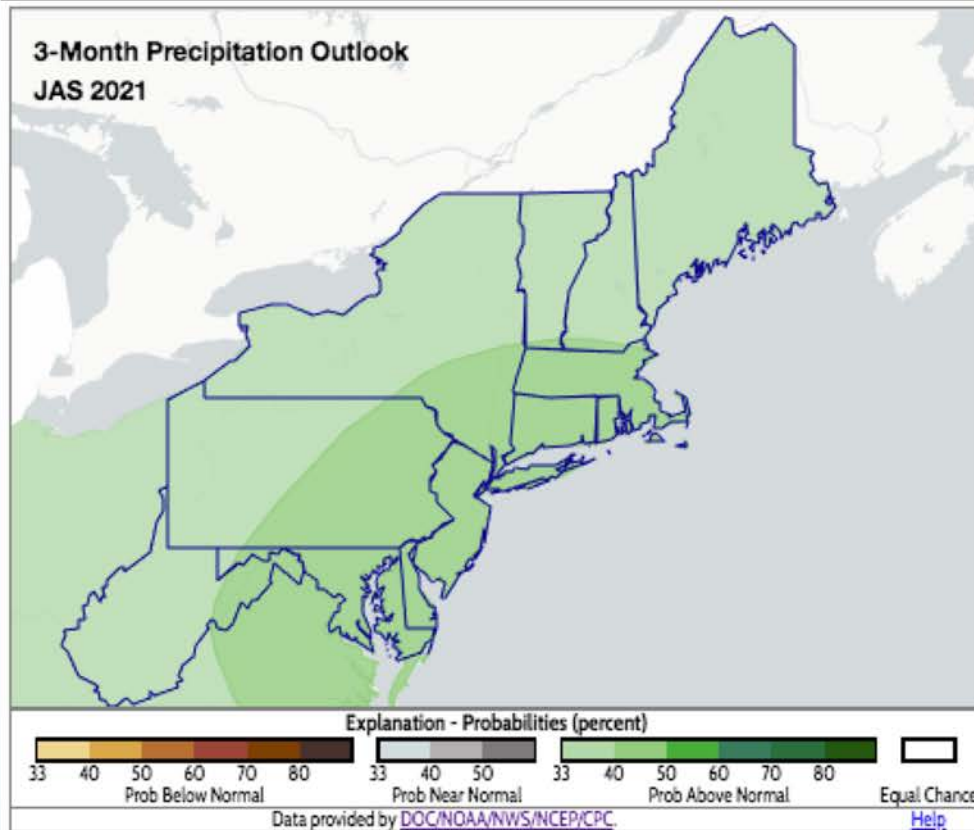


# Short-term Outlooks





# Three-Month Outlook



# Contact Information

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