

June Review & Northeast DEWS Discussion

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Northeast Regional Climate Center



Northeast Regional
Climate Center



June Temperatures



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

June Precipitation

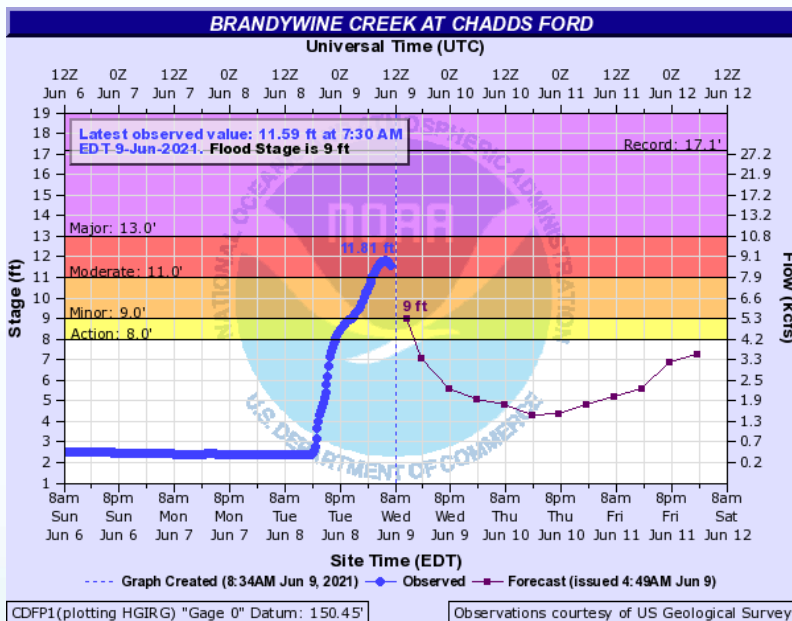
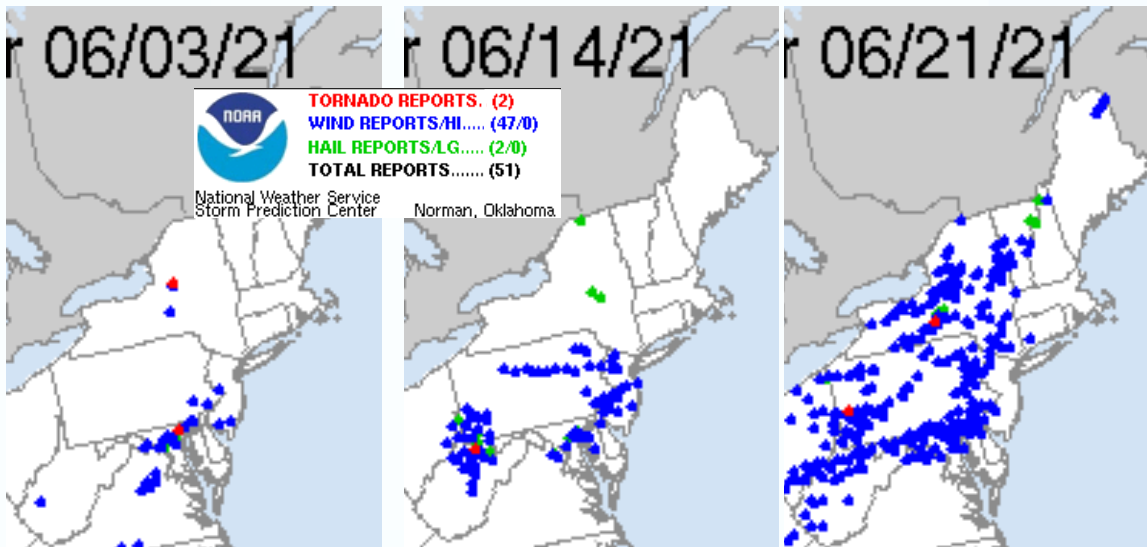


From less than 25% of normal to 200% of normal

June Severe Weather



Courtesy of
Maine DOT



0715 PM
06/10/2021

FLASH FLOOD

WEST HAMLIN
LINCOLN

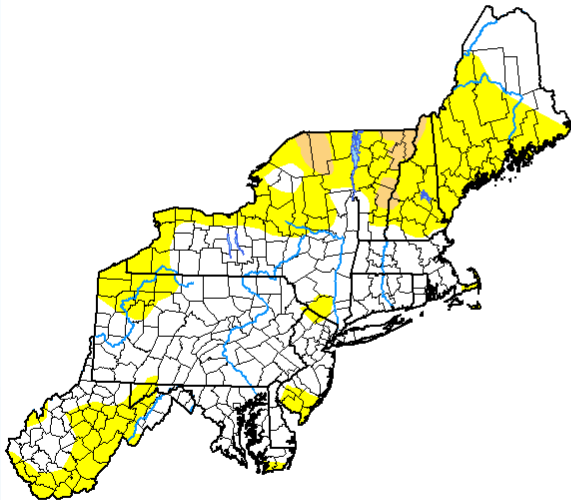
38.28N 82.20W
WV EMERGENCY MNGR

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>

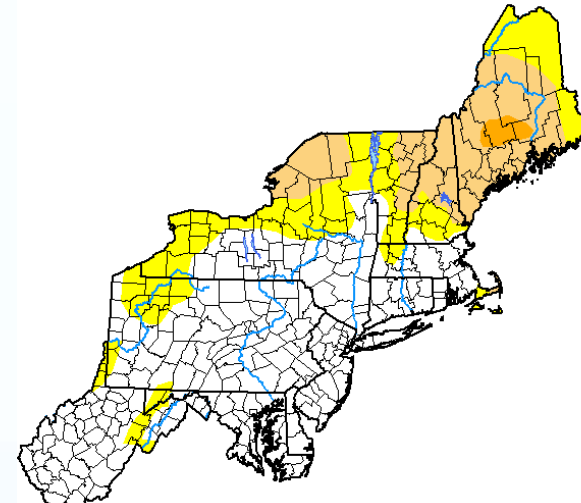
Author:

Brian Fuchs
National Drought Mitigation Center



droughtmonitor.unl.edu

U.S. Drought Monitor Northeast Climate Region

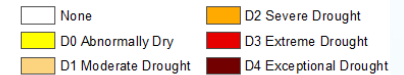


June 22, 2021
(Released Thursday, Jun. 24, 2021)
Valid 8 a.m. EDT

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

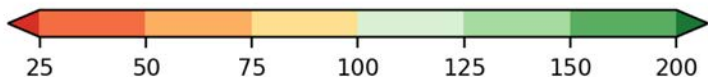
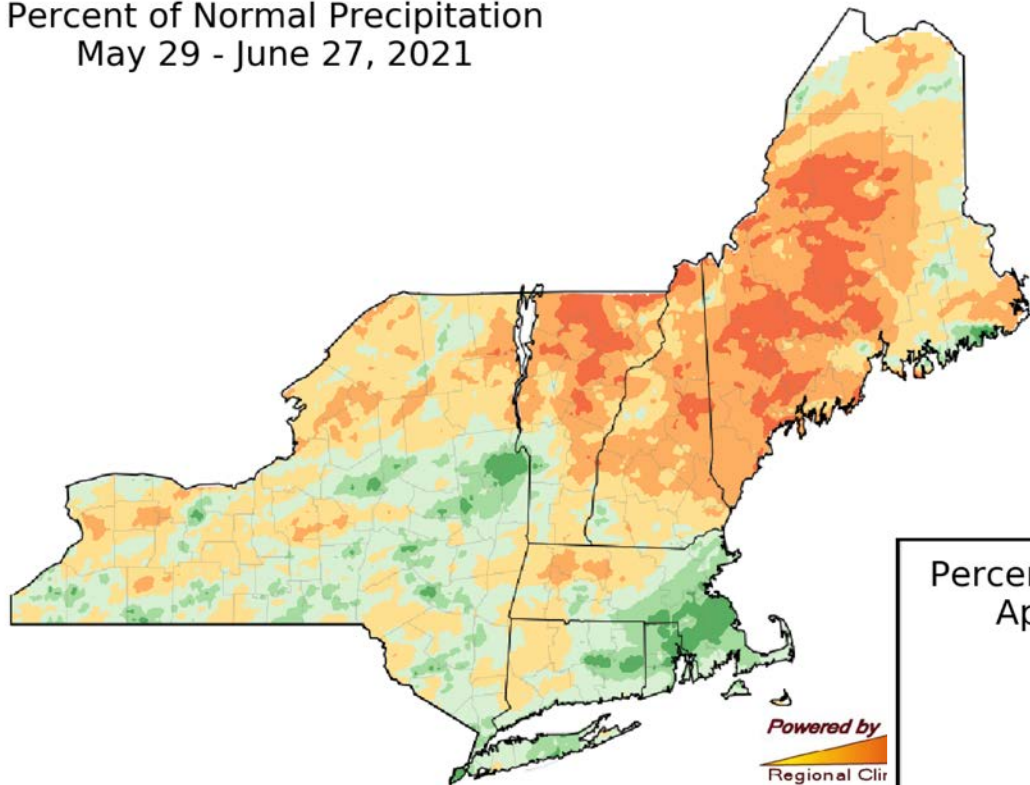
— Burlington Area, VT (ThreadEx):Precip Dprt

Powered by ACIS

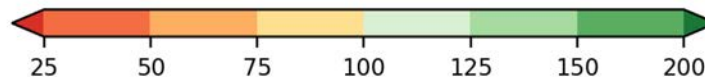
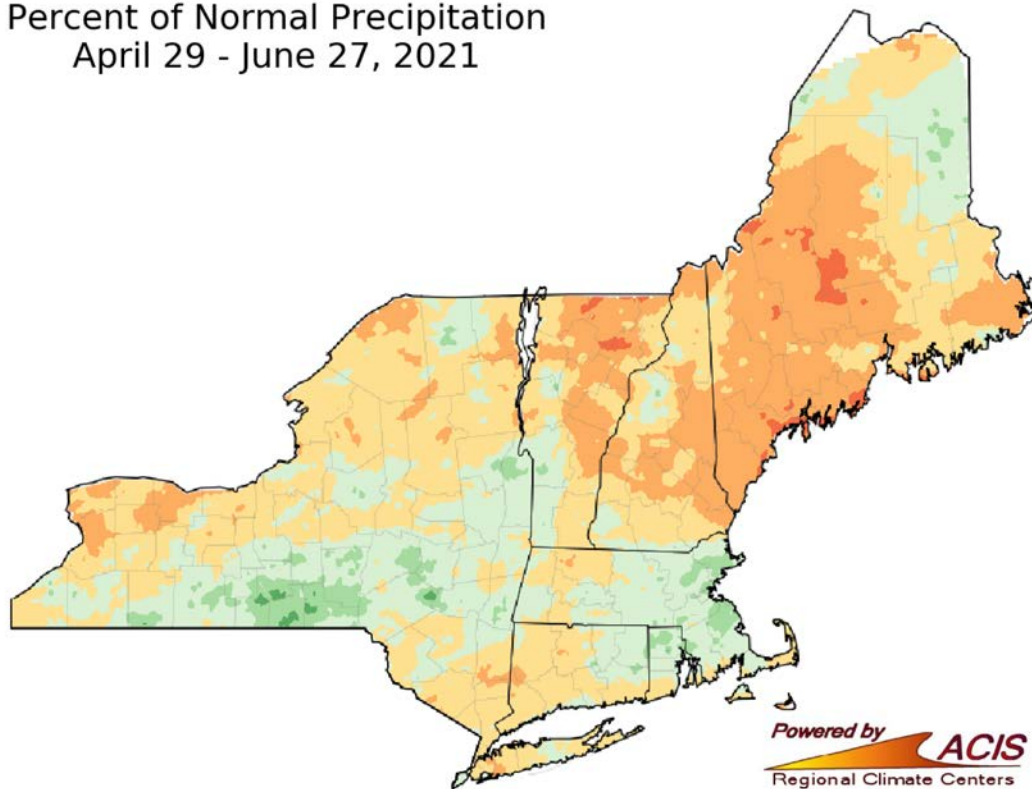


Precipitation

Percent of Normal Precipitation
May 29 - June 27, 2021

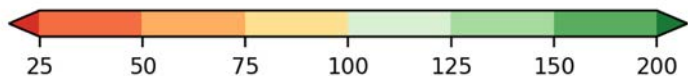
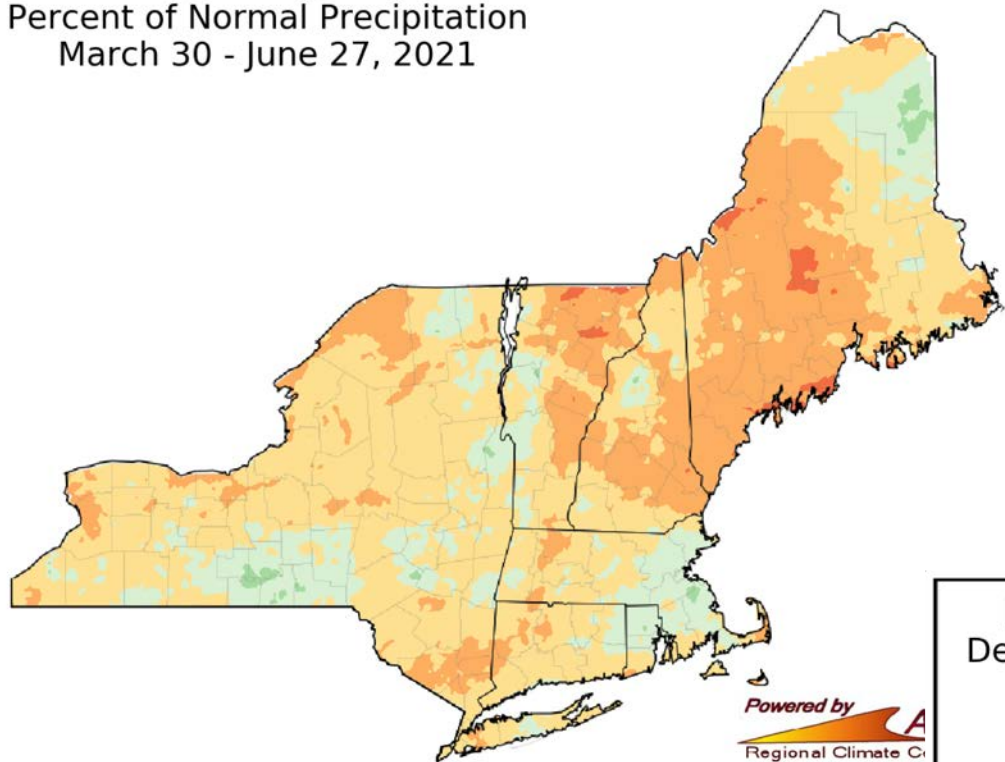


Percent of Normal Precipitation
April 29 - June 27, 2021

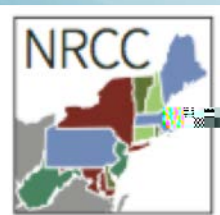
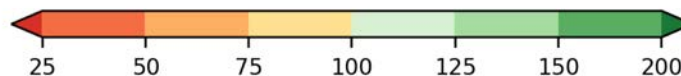
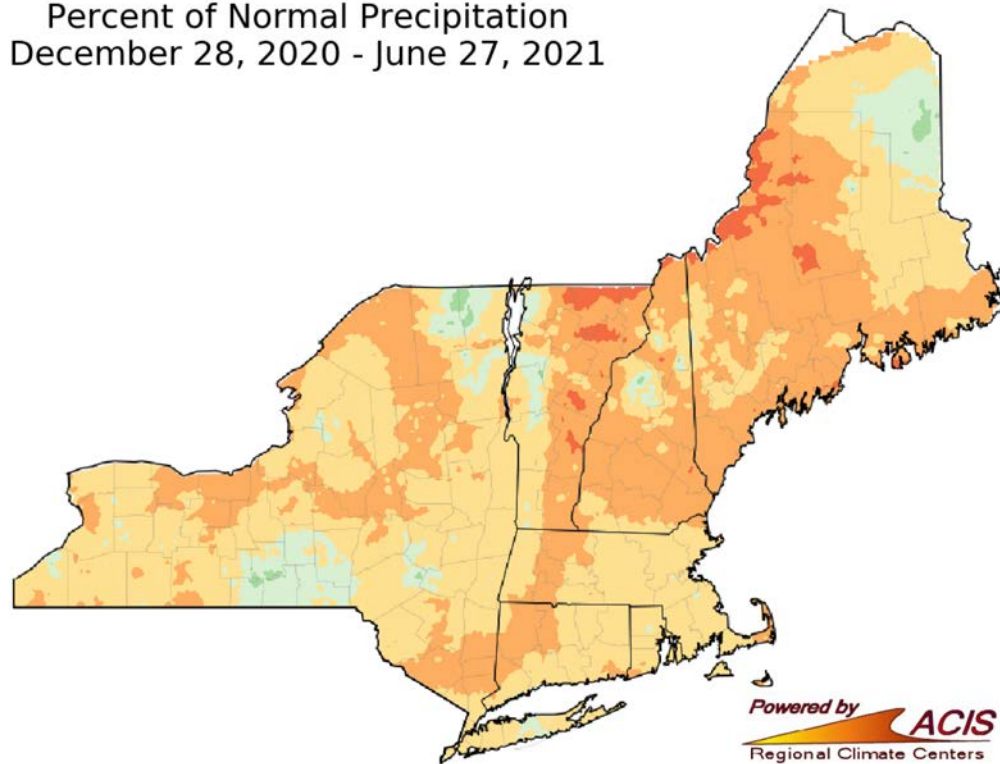


Precipitation

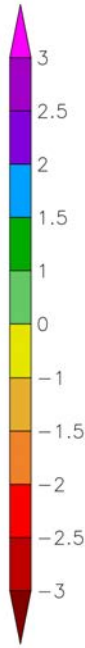
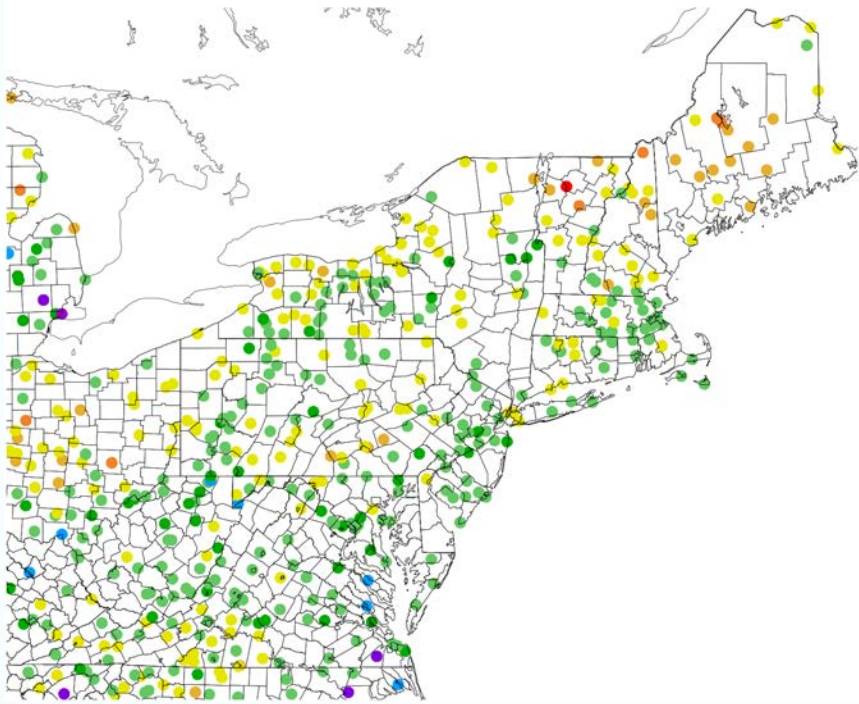
Percent of Normal Precipitation
March 30 - June 27, 2021



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

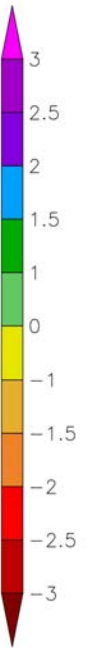
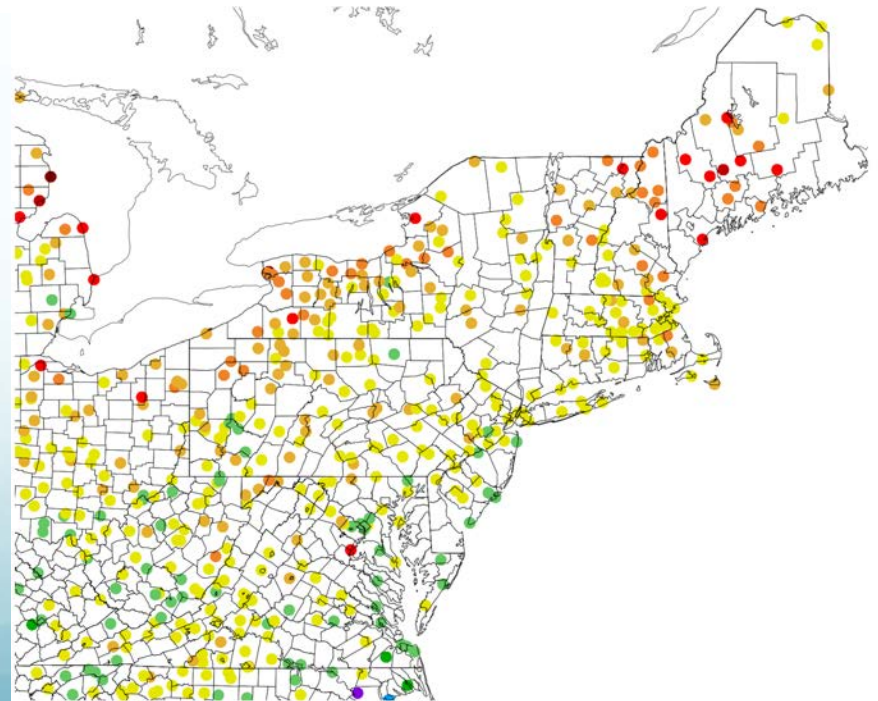


30 Day SPI
5/29/2021 - 6/27/2021



Standardized Precipitation Index

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



Evap. Demand Drought Index



Soil Moisture



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

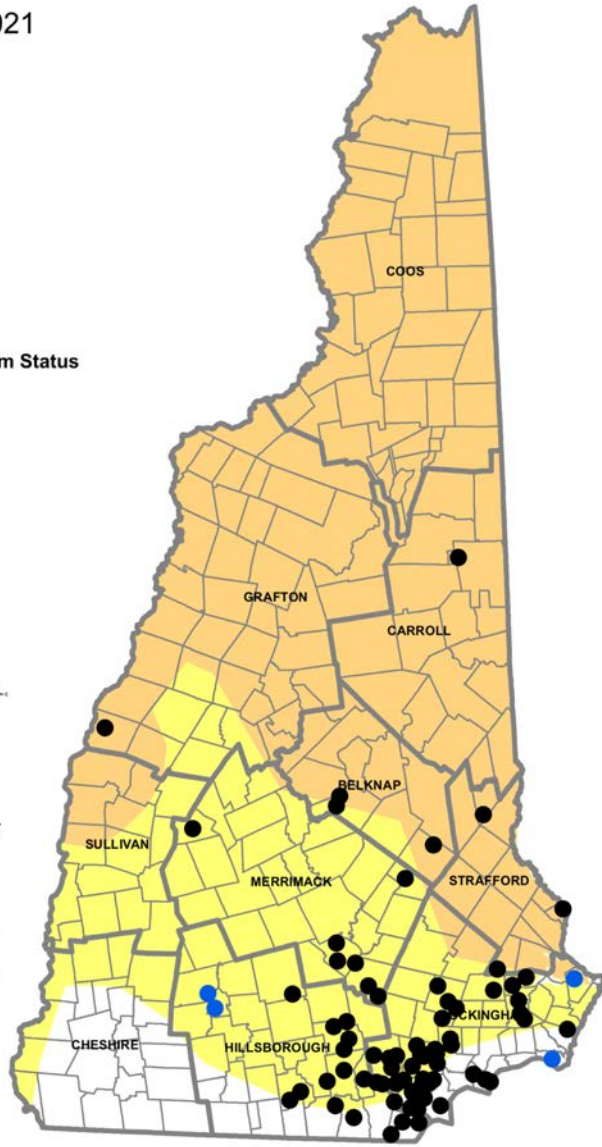
Municipality or Water System Status

- 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

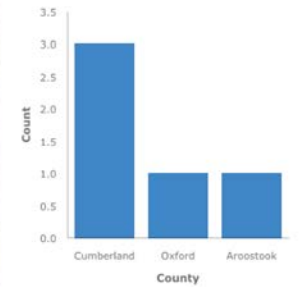
Number of dry wells reported

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/>

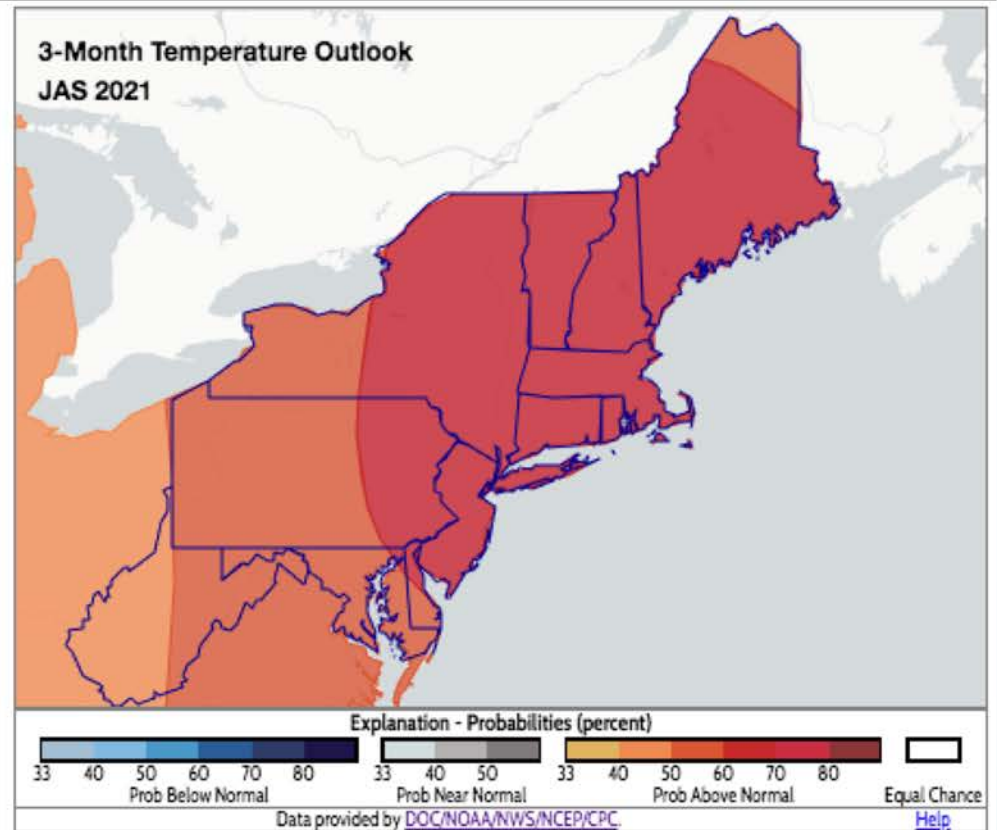
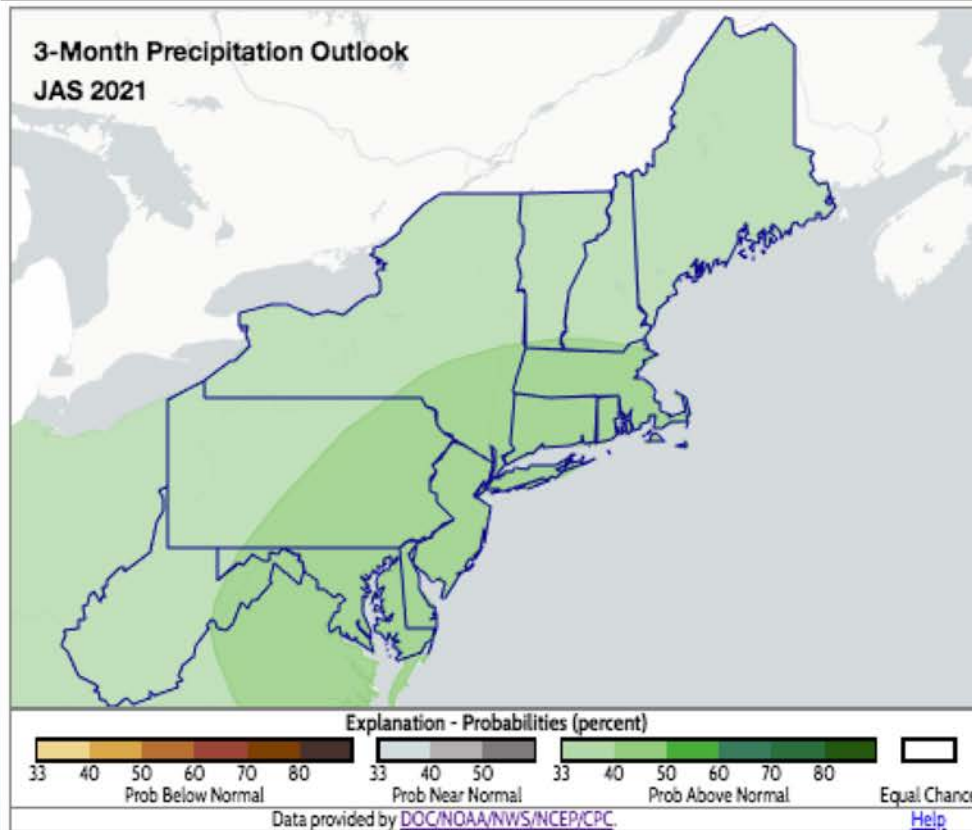
Precipitation Forecast



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