

June Recap & Northeast DEWS Discussion

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Northeast Regional
Climate Center



June Temperatures - Cold

Minimum 1-Day Mean Min Temperature for Hartford Area, CT (ThreadEx)

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

Rank	Value	Ending Date
1	37.0	2020-06-01
-	37.0	1986-06-03
-	37.0	1964-06-06
4	38.0	2001-06-01
-	38.0	1958-06-07
-	38.0	1957-06-10
7	39.0	2009-06-01
-	39.0	1961-06-16
9	40.0	1980-06-12
-	40.0	1980-06-11
Last value also occurred in one or more previous years.		
Period of record: 1905-01-01 to 2020-06-25		

June 1 & 2 were unusually cold
in northern areas

Hartford tied its coldest June
temperature

Caribou recorded two nights
with a low of 32°F or lower,
tying the record



Time Series Summary for Caribou Area, ME (ThreadEx) - Month of Jun

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

Rank	Year	Number of Days Min Temperature <= 32	Missing Count
1	2020	2	5
-	1958	2	0
-	1951	2	0
4	2002	1	0
-	1971	1	0
-	1950	1	0
-	1946	1	0

June Temperatures - Hot

Maximum 1-Day Mean Max Temperature for Caribou Area, ME (ThreadEx)

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

Rank	Value	Ending Date
1	96.0	2020-06-19
-	96.0	1944-06-29
3	95.0	2020-06-18
4	93.0	2020-06-20
-	93.0	1995-06-24
-	93.0	1988-06-15
-	93.0	1983-06-22
8	92.0	2020-06-23
-	92.0	2003-06-25
-	92.0	1983-06-21
Last value also occurred in one or more previous years.		
Period of record: 1939-01-16 to 2020-06-25		

Caribou -

- tied hottest day on record
- 4 of 10 hottest June temps occurred this June
- longest stretch of 80°F+ days on record
- Greatest number of 80°F days for June

Burlington – tied record number of 90°F days in June

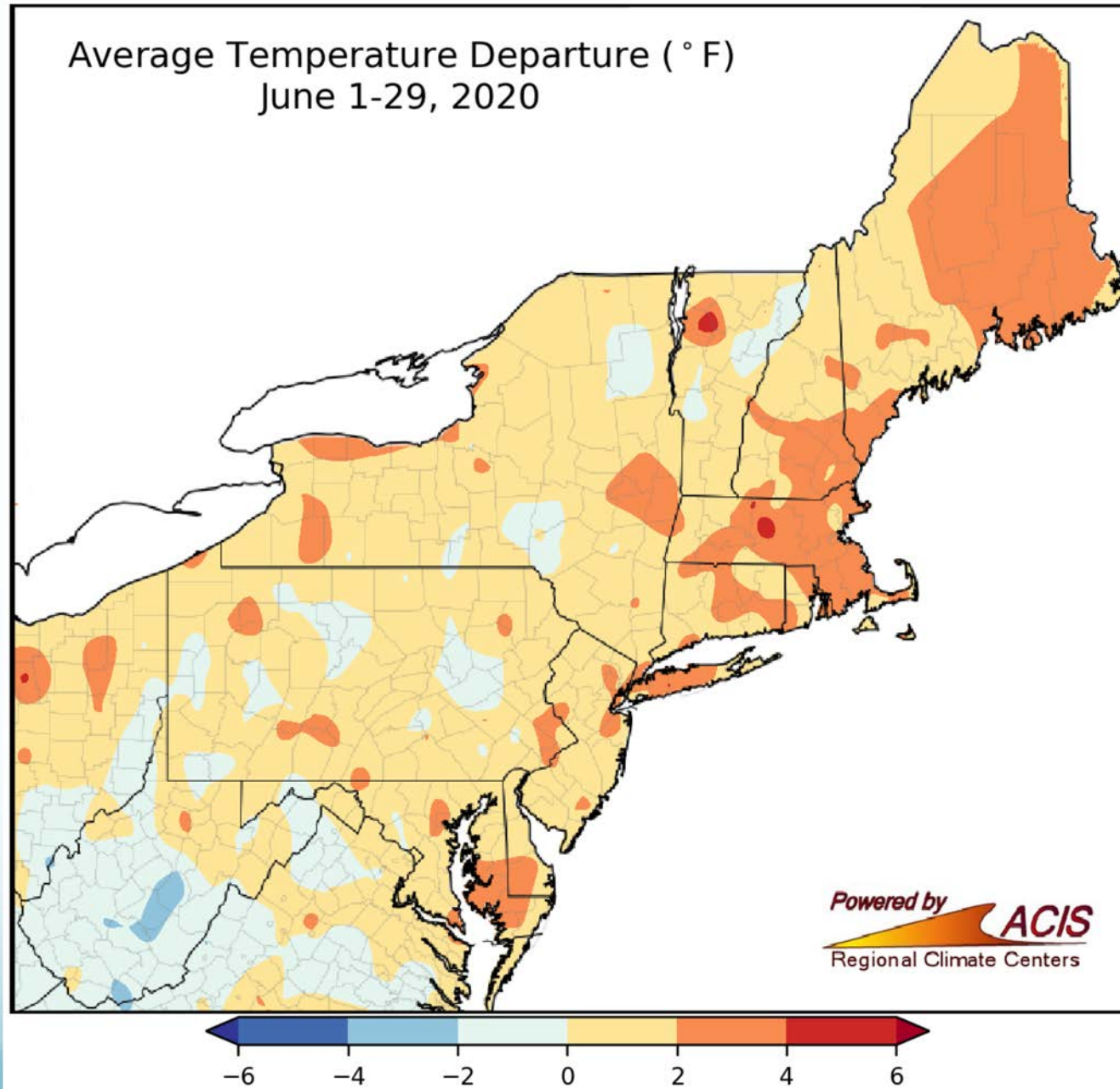
Time Series Summary for Burlington Area, VT (ThreadEx) - Month of Jun

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

Rank	Year	Number of Days Max Temperature ≥ 90	Missing Count
1	2020	7	2
-	1949	7	0
3	1995	6	0
-	1983	6	0
-	1946	6	0



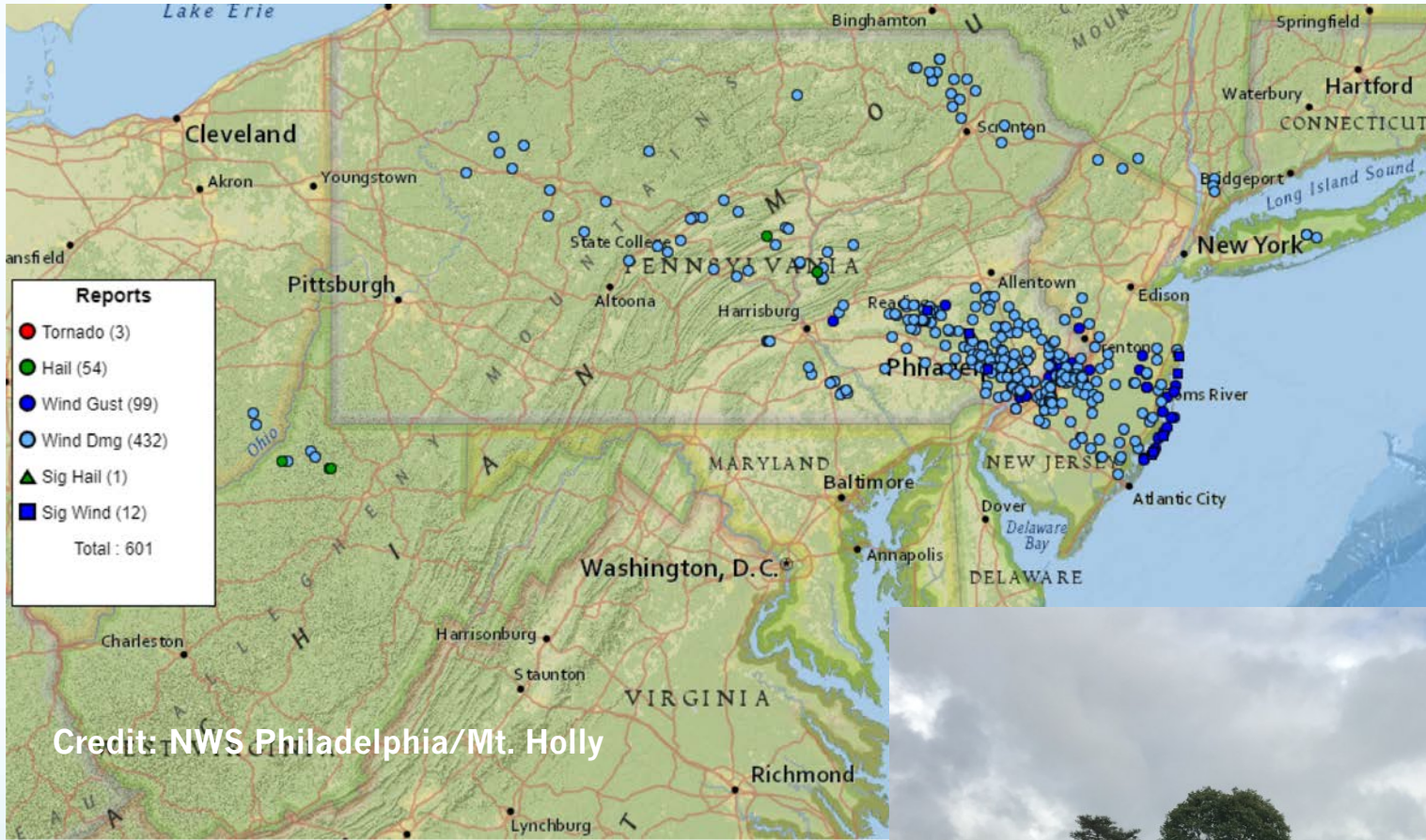
June Temperatures



From 4°F below normal to 4°F above normal



June Severe Weather

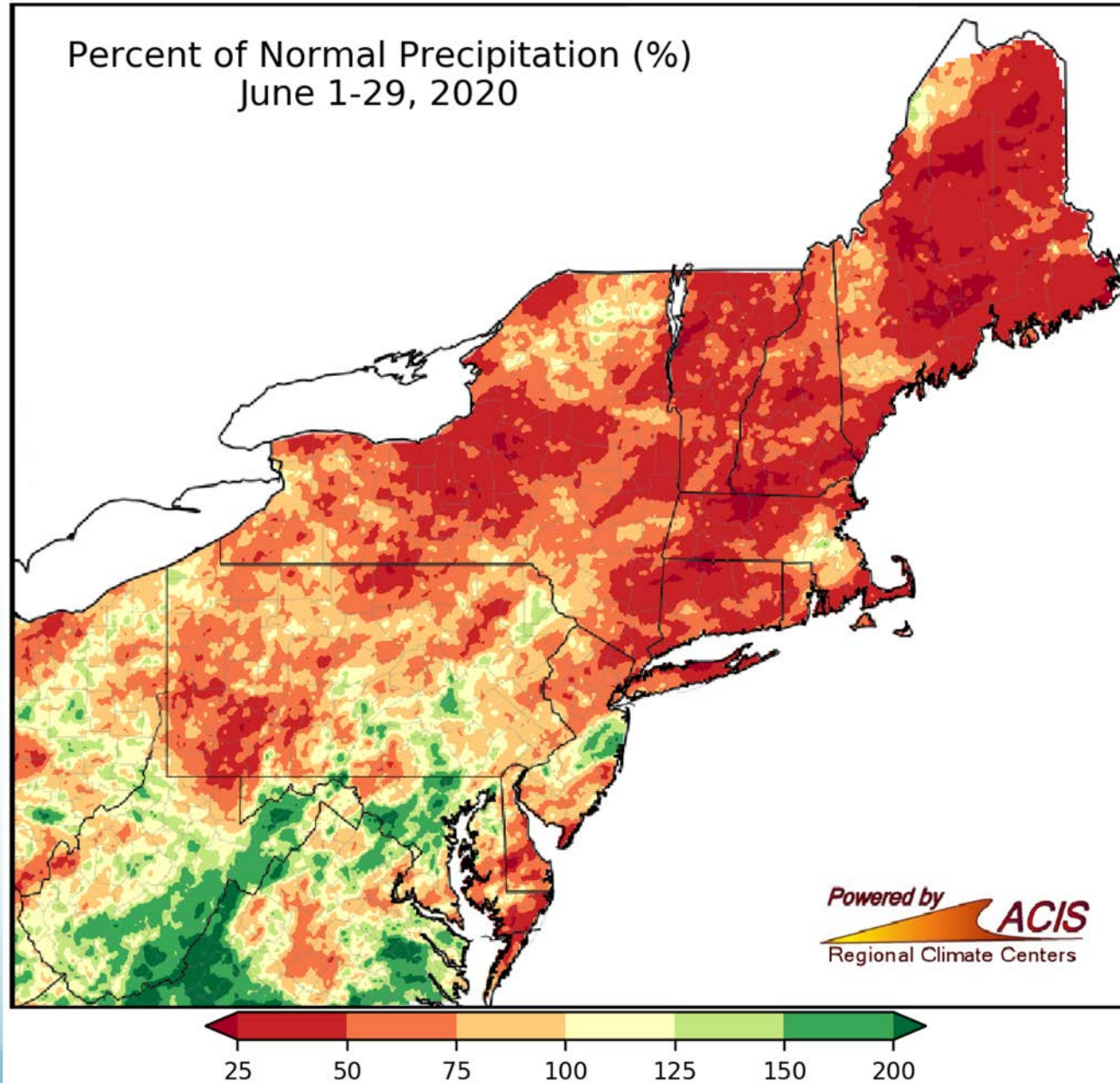


Widespread wind damage reports from the June 3 derecho

Beaver County, PA's strongest tornado in 30+ years (an EF-2)



June Precipitation



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

June Precipitation

Time Series Summary for Hartford Area, CT (ThreadEx) - Month of Jun

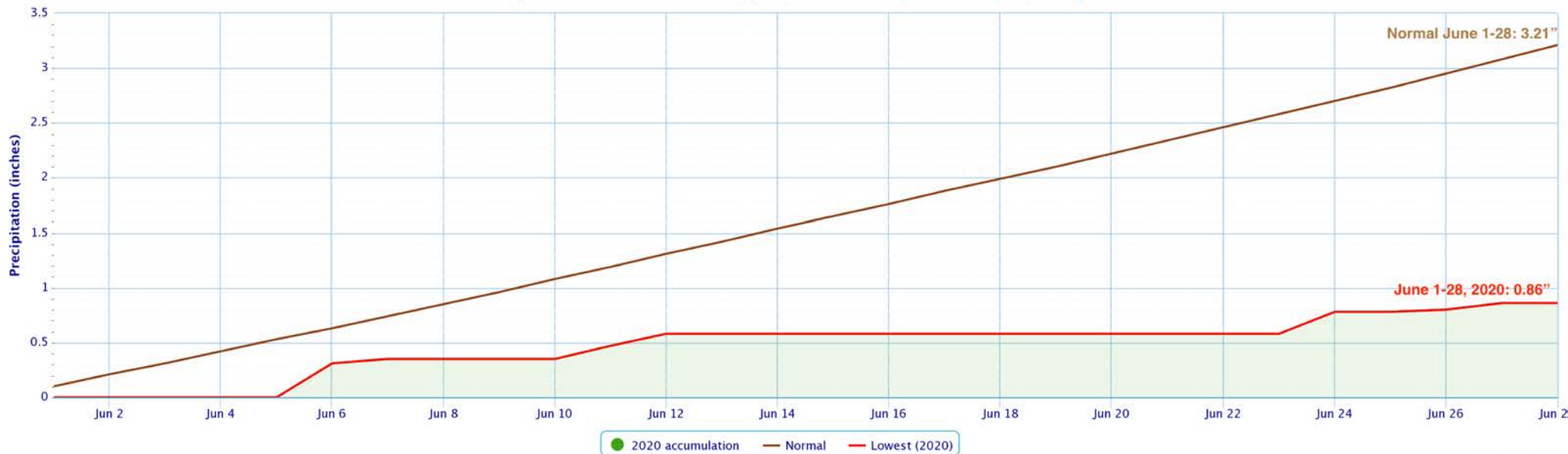
Click column heading to sort ascending, click again to sort descending.

Rank	Year	Number of Days Precipitation ≥ 0.01	Missing Count
1	1949	3	0
2	2020	4	2
-	1971	4	0

Hartford – only 4 days with measurable precip June 1-28

Accumulated Precipitation – Caribou Area, ME (ThreadEx)

Click and drag to zoom to a shorter time interval; green/black diamonds represent subsequent/missing values



Powered by ACIS

Caribou & Burlington – driest June 1-28 period on record



Time Series Summary for Burlington Area, VT (ThreadEx)

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

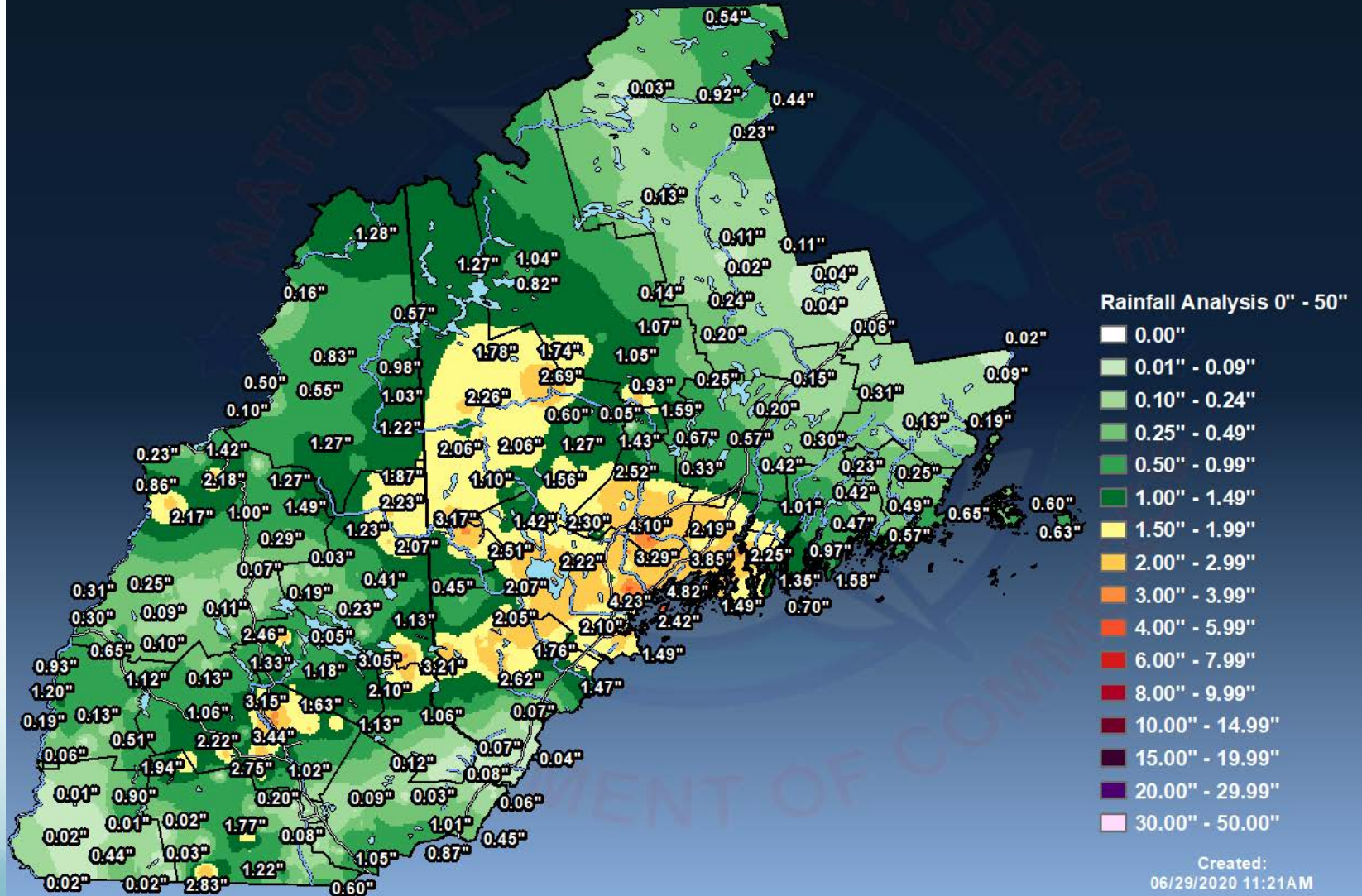
Rank	Ending Date	Total Precipitation Jun 1 to Jun 28	Missing Count
1	2020-06-28	0.74	0
2	1995-06-28	0.82	0
3	1941-06-28	0.93	0

June Precipitation

National Weather Service Gray/Portland Maine

June 28-29, 2020 Rainfall Through 11AM

Analysis Data Source: Regional Observations



This is an experimental product. Care should be taken in using the data. Unofficial observations are plotted. Values at interpolated locations may not represent actual precipitation totals at that location.

Much-needed rain in parts of Maine & New Hampshire

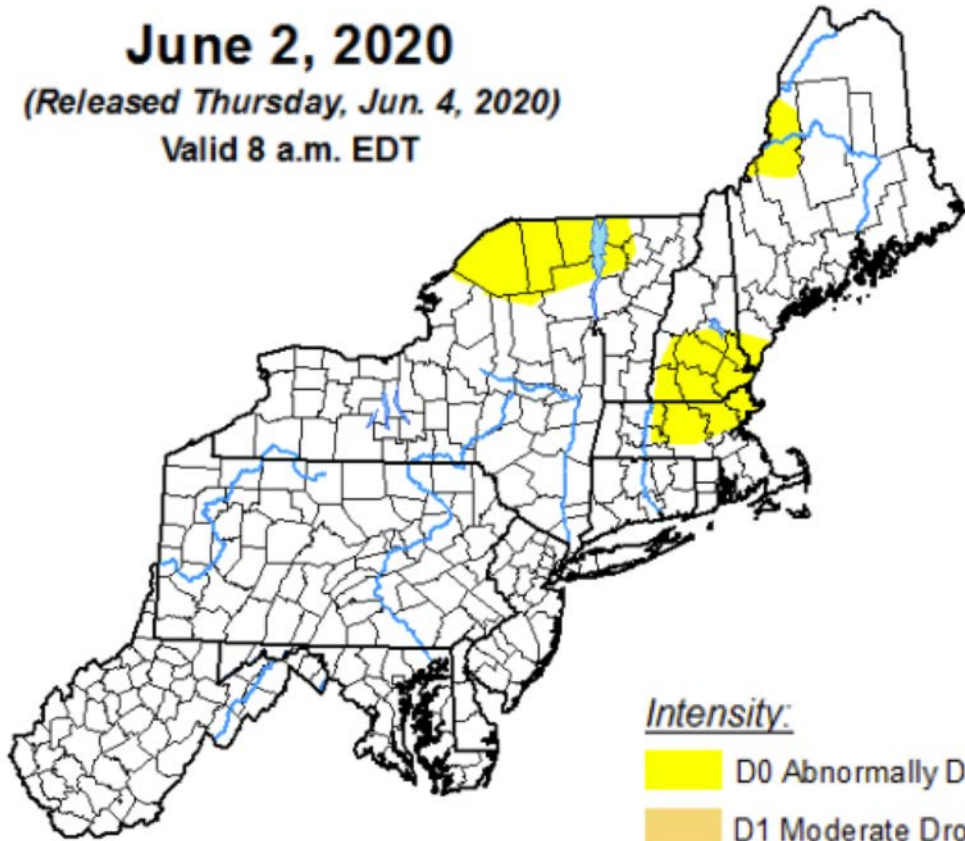


Drought Monitor

June 2, 2020

(Released Thursday, Jun. 4, 2020)

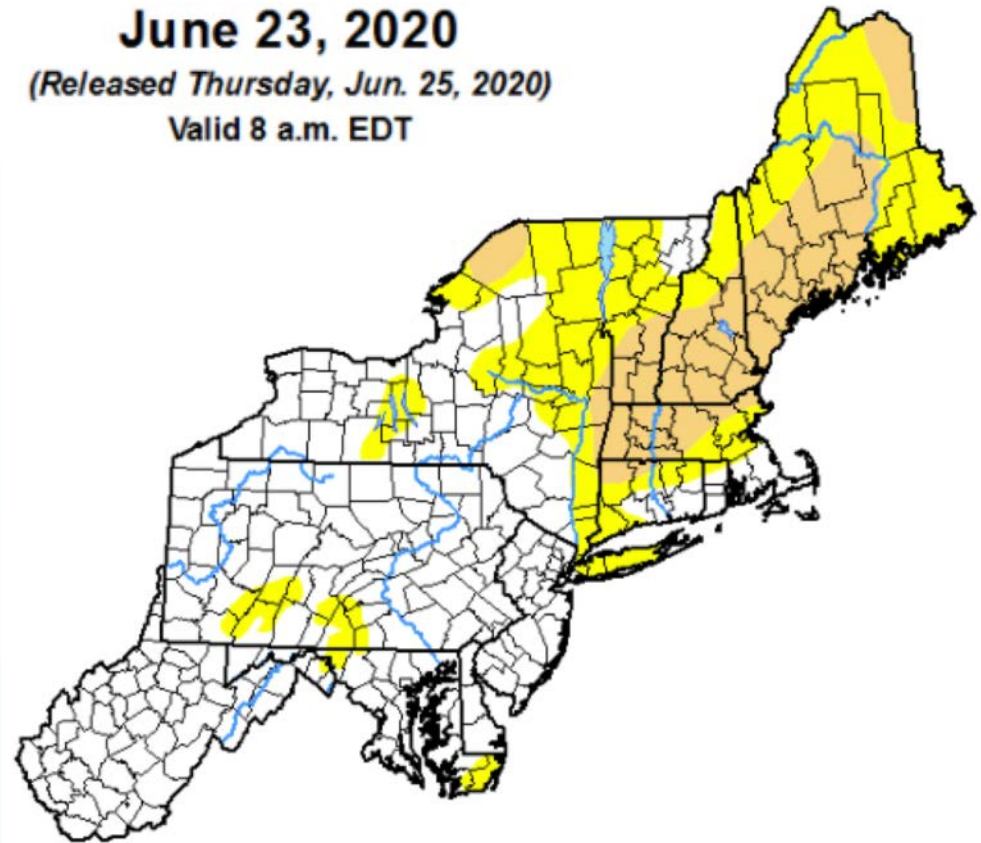
Valid 8 a.m. EDT



June 23, 2020

(Released Thursday, Jun. 25, 2020)

Valid 8 a.m. EDT



Intensity:

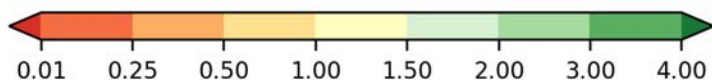
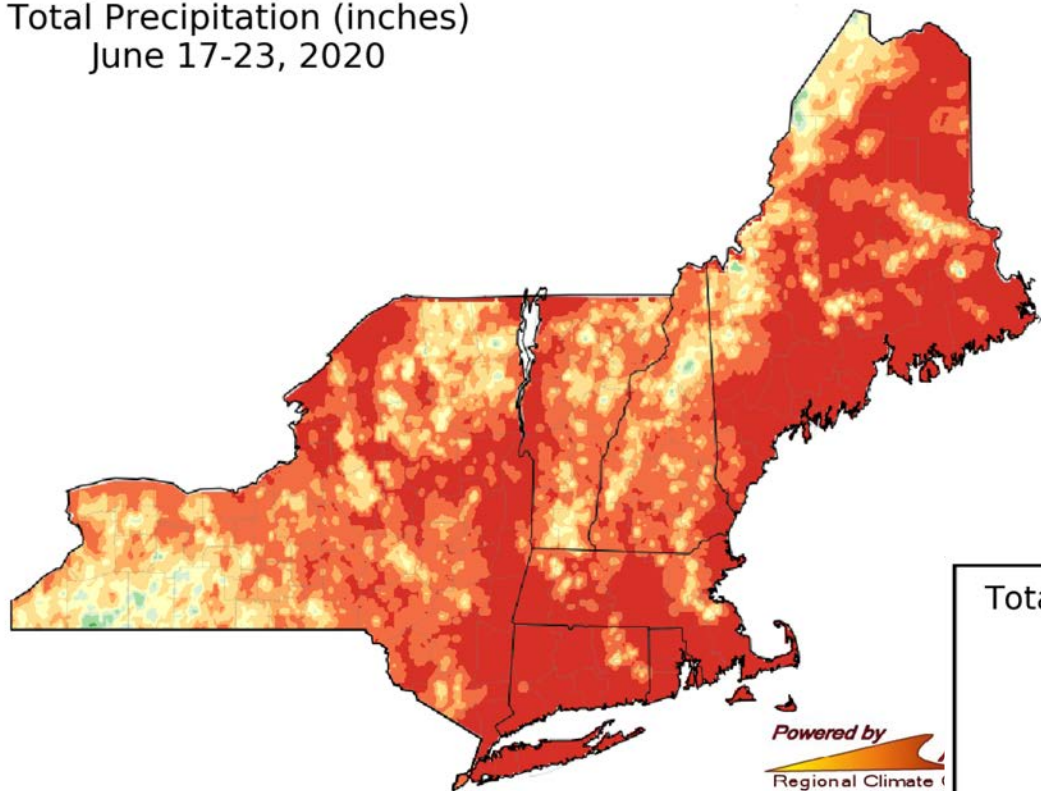
 D0 Abnormally Dry

 D1 Moderate Drought



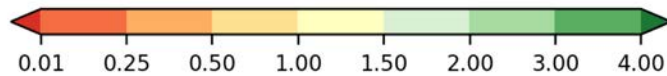
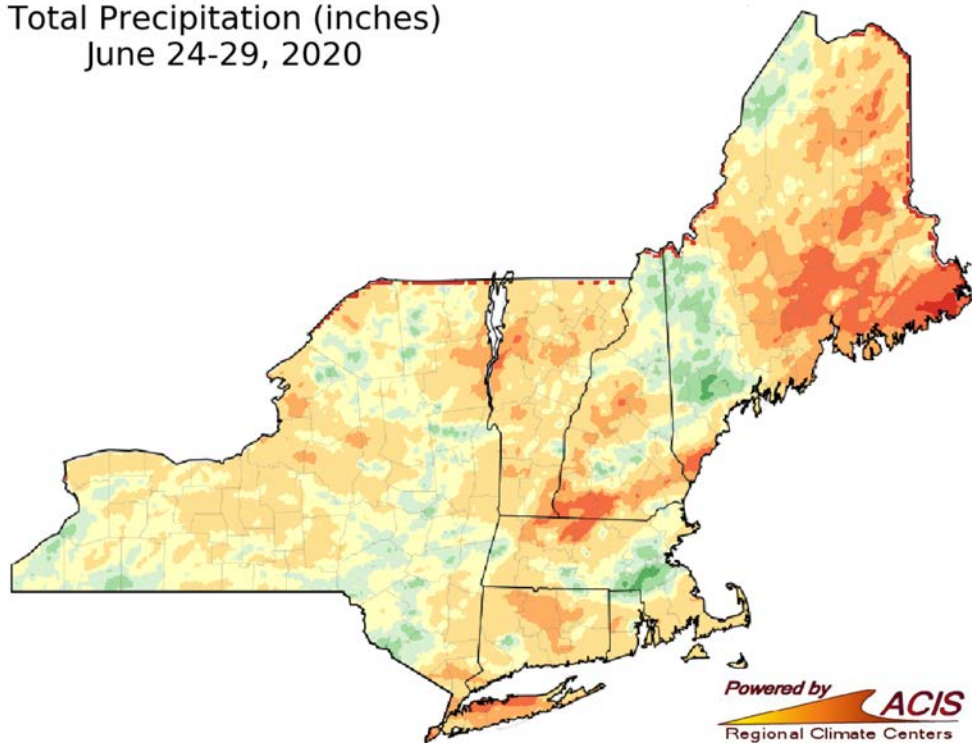
Precipitation

Total Precipitation (inches)
June 17-23, 2020



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Total Precipitation (inches)
June 24-29, 2020

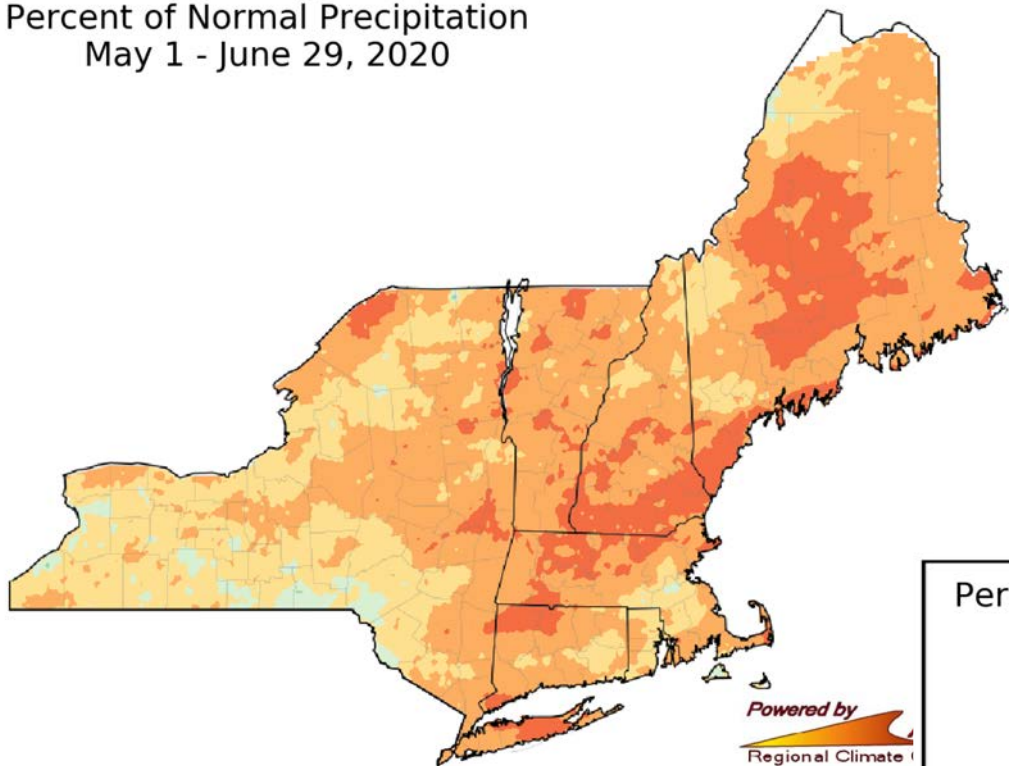


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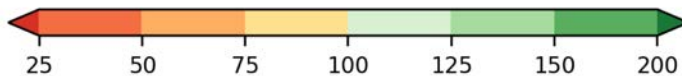
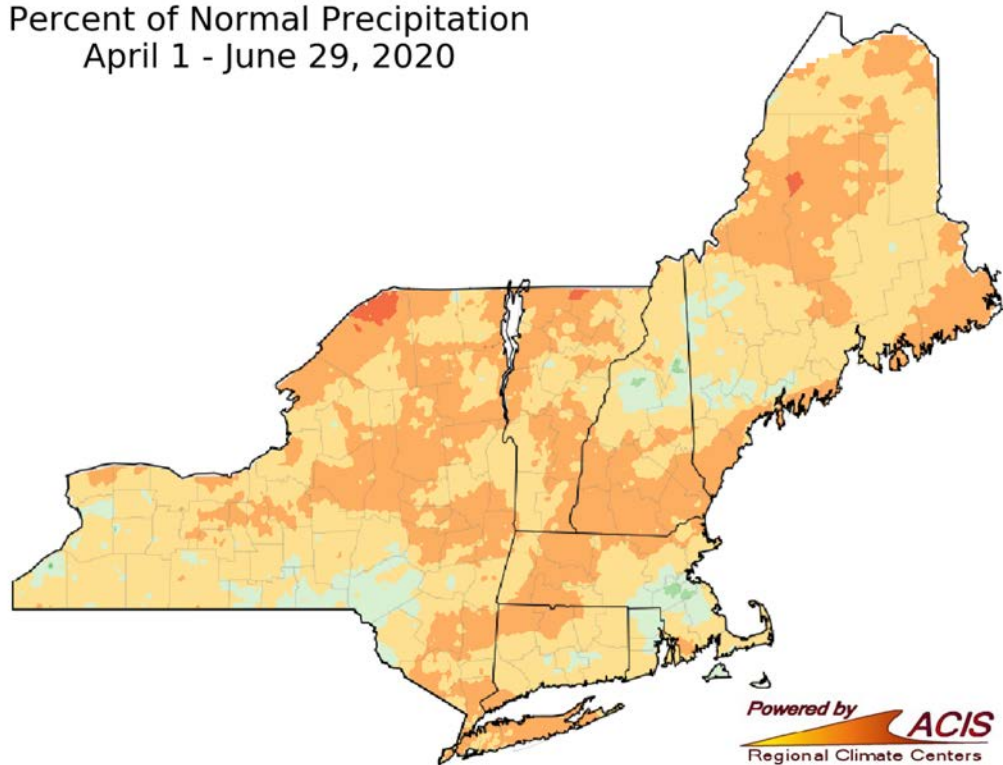


Precipitation

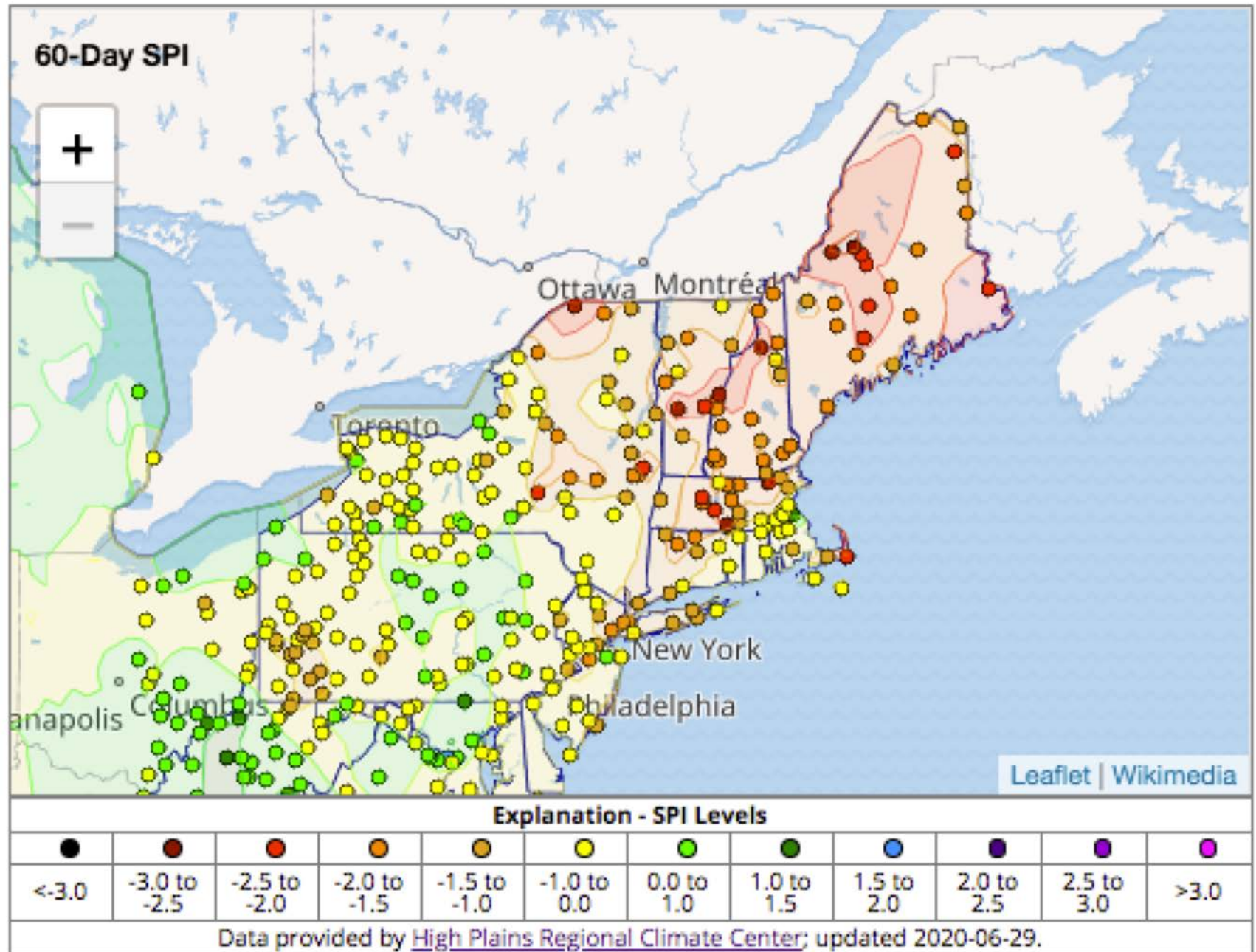
Percent of Normal Precipitation
May 1 - June 29, 2020



Percent of Normal Precipitation
April 1 - June 29, 2020

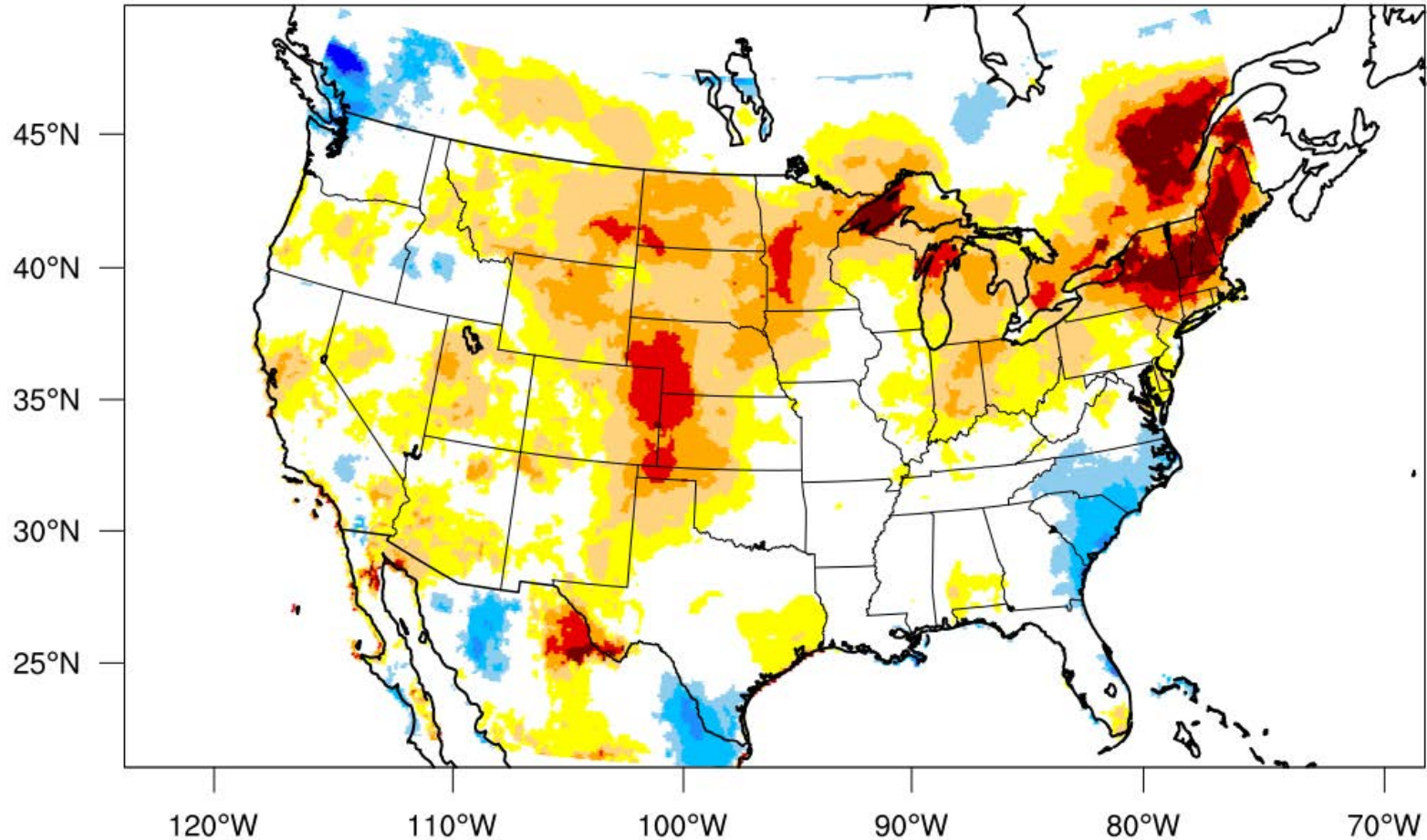


Standardized Precip Index



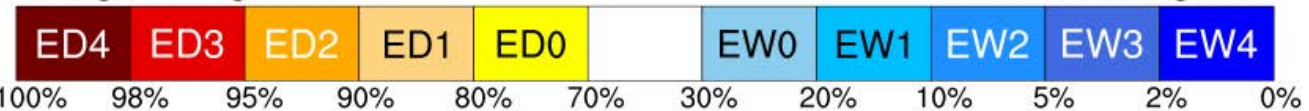
Evap. Drought Demand Index

1-month EDDI categories for June 25, 2020



Drought categories

Wetness categories

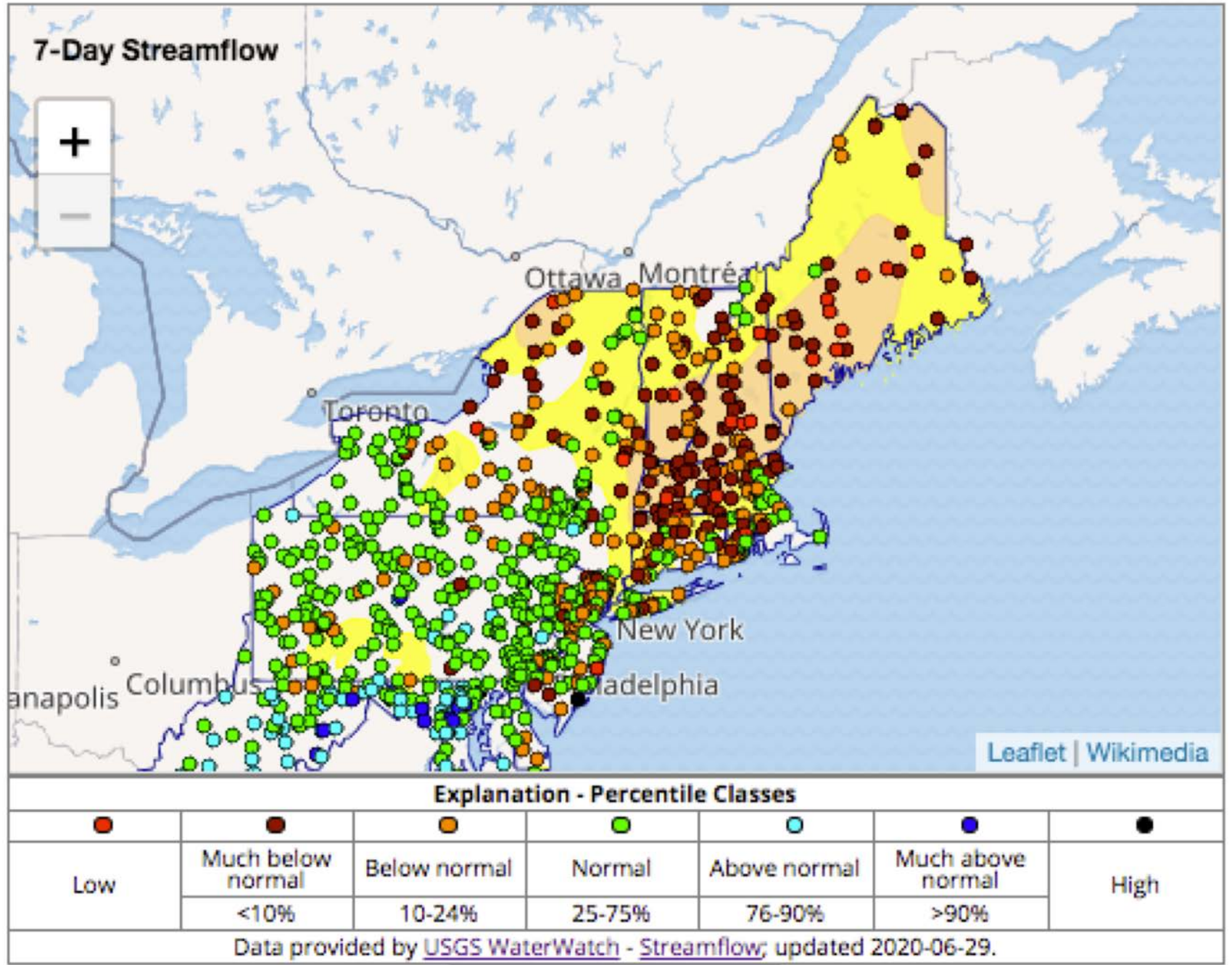


(EDDI-percentile category breaks: 100% = driest; 0% = wettest)

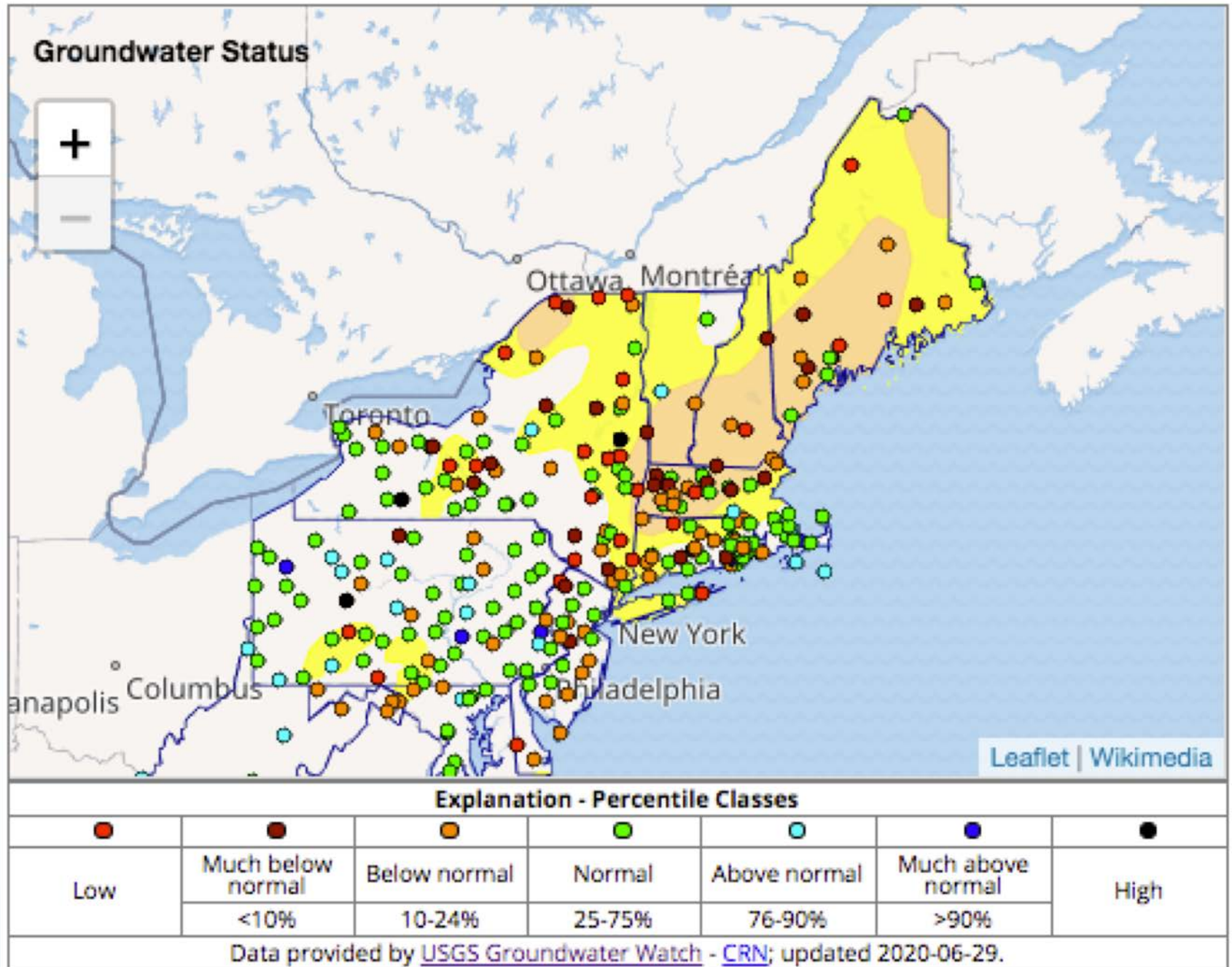
Generated by NOAA/ESRL/Physical Sciences Division



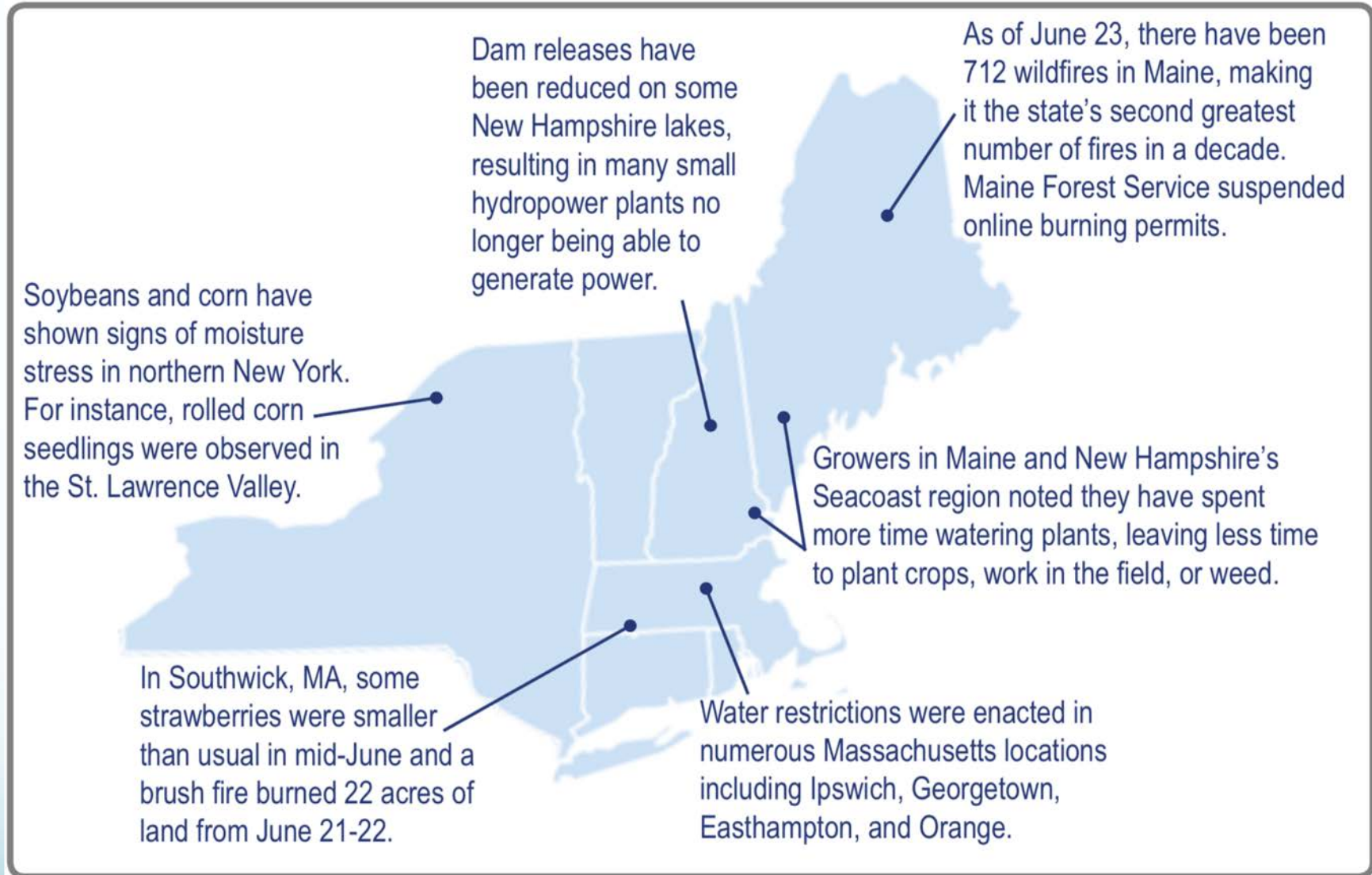
Streamflow



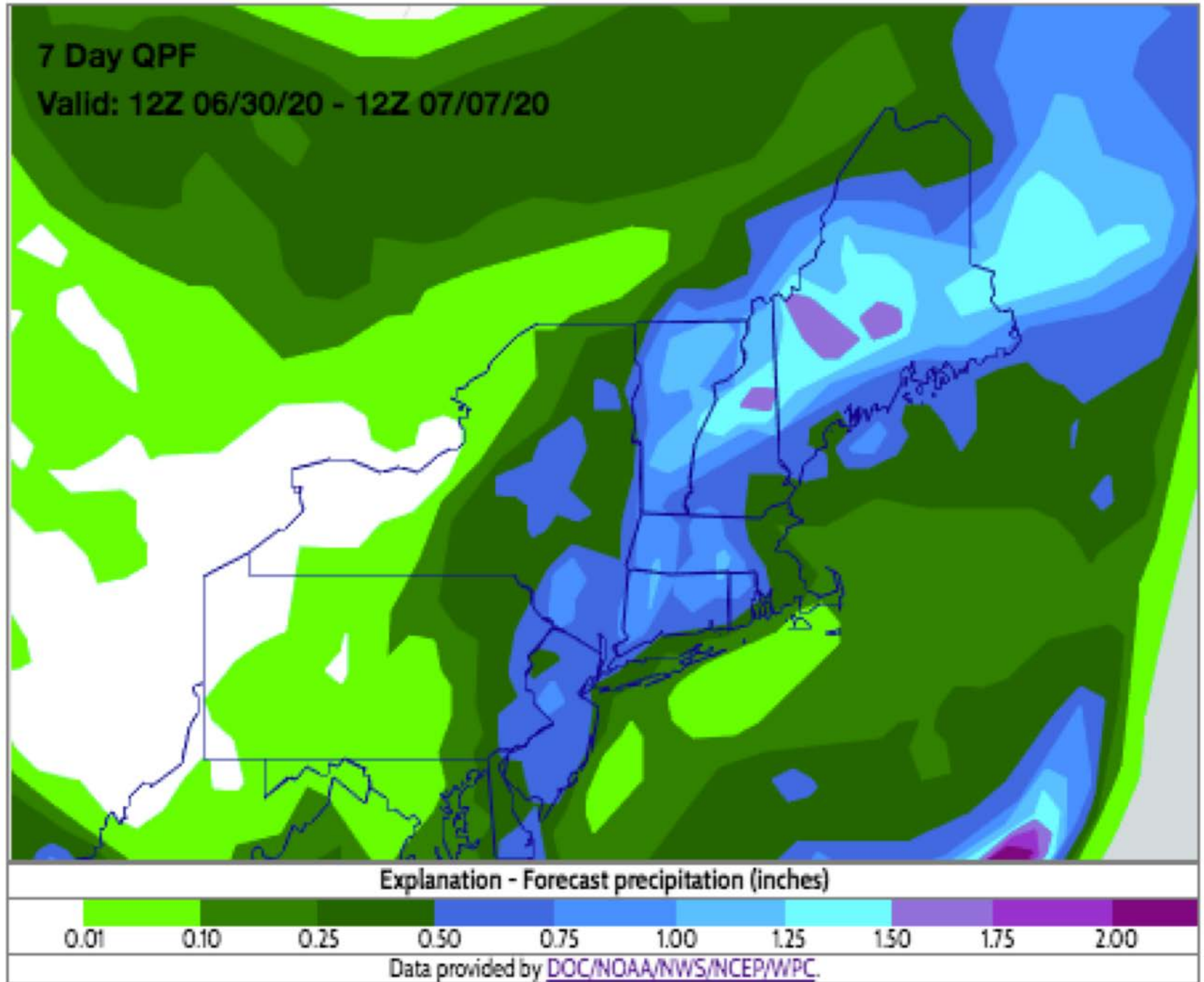
Groundwater



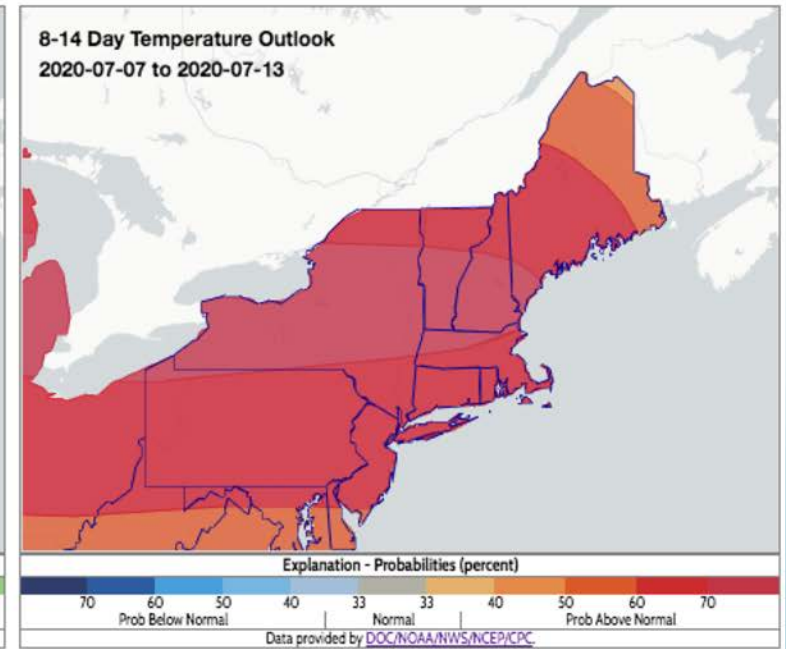
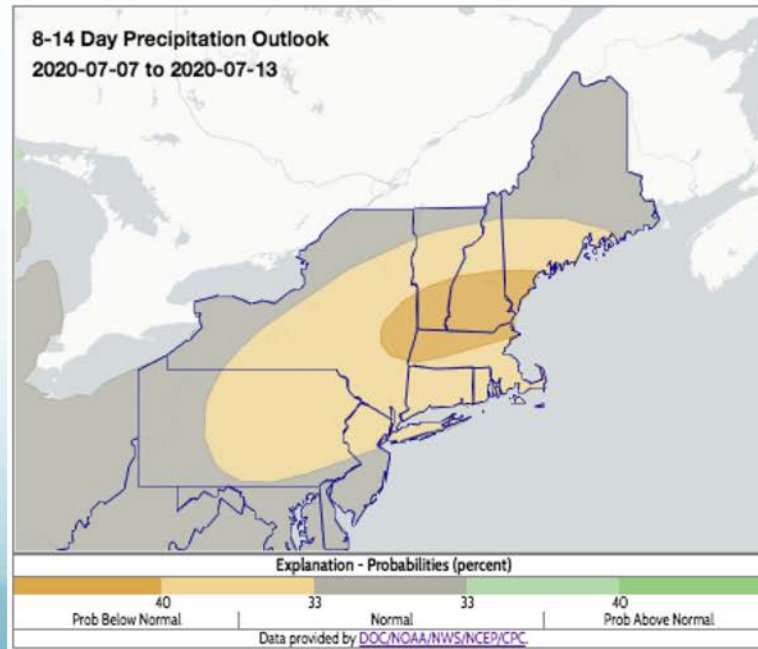
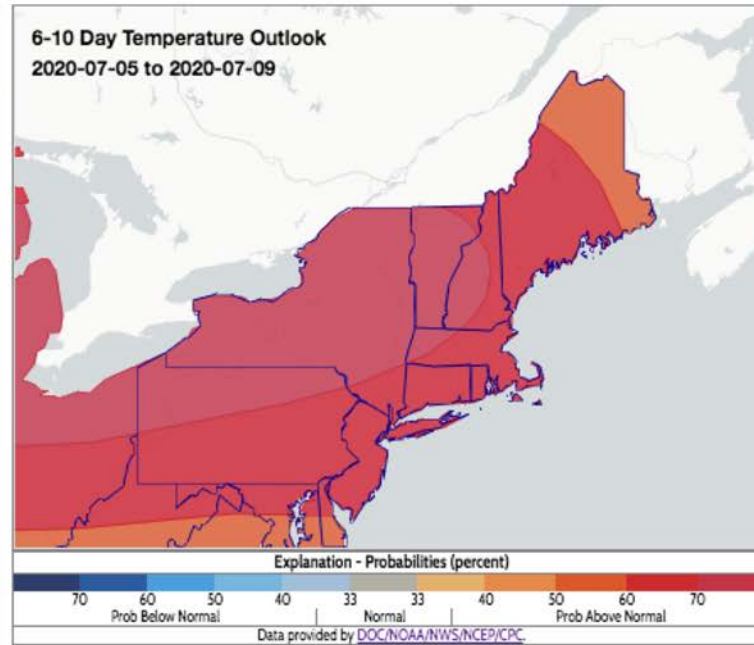
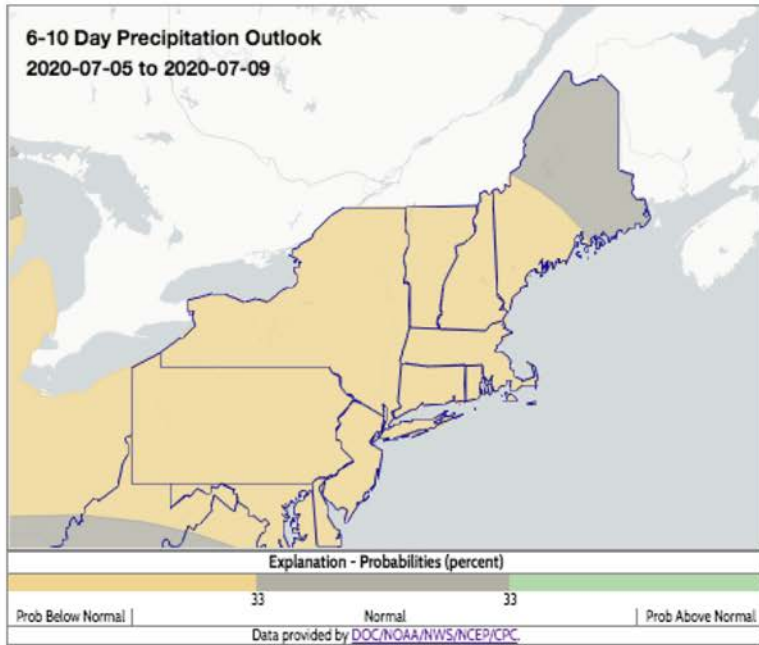
Impacts



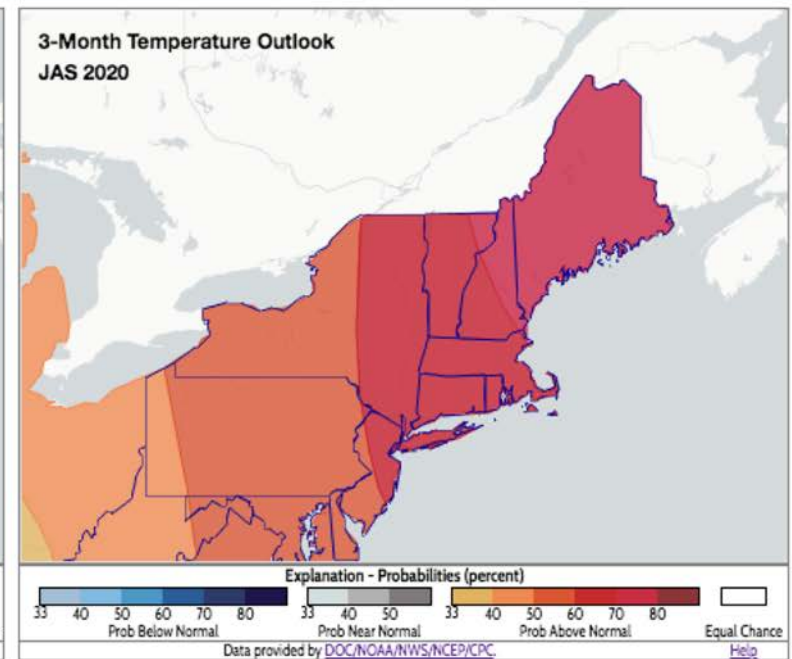
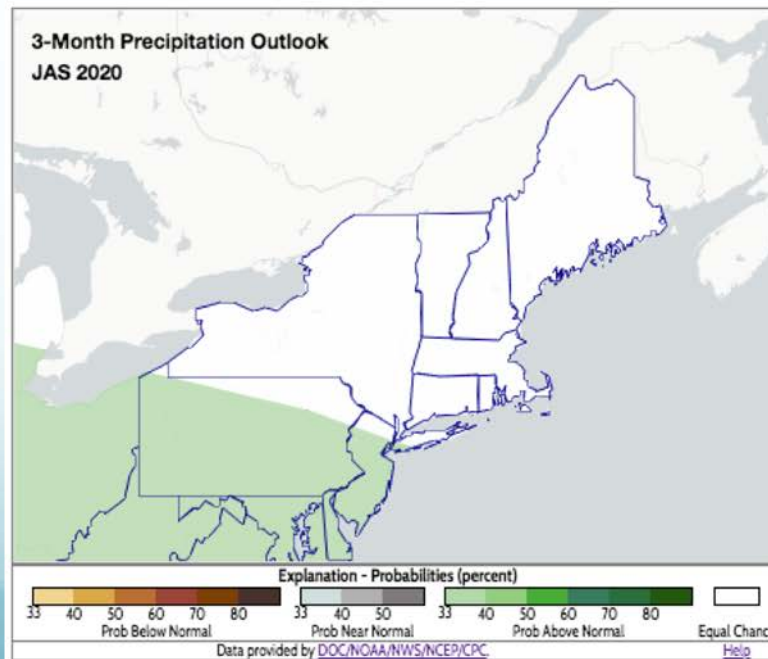
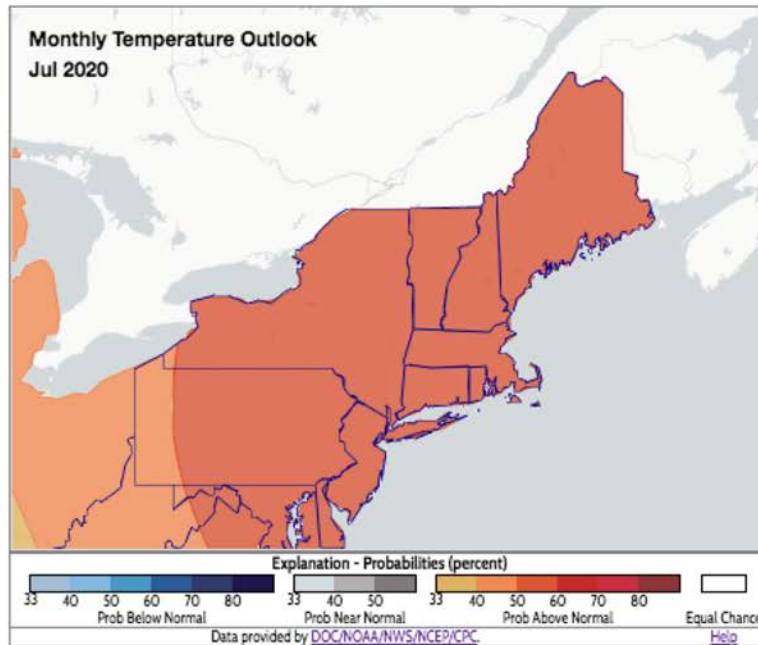
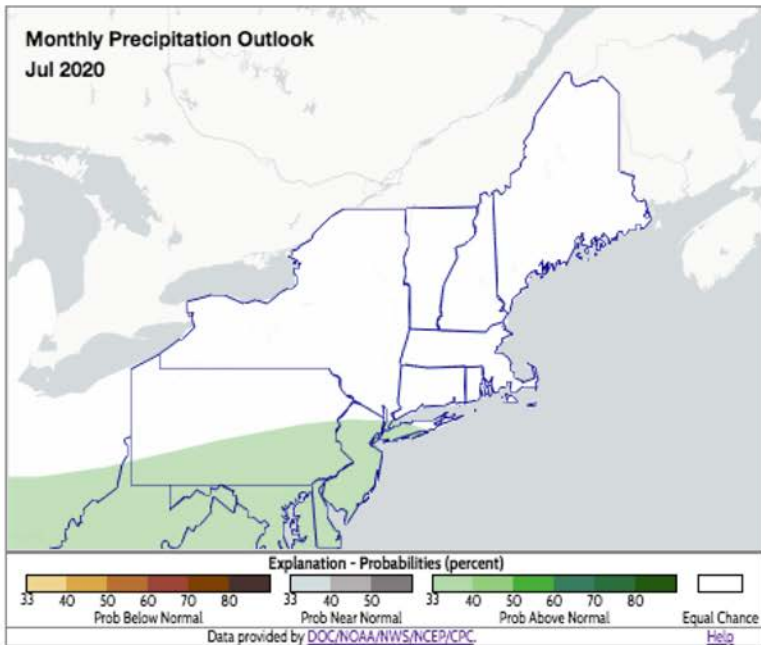
Precipitation Forecast



Short-term Outlooks



Monthly & 3-Month Outlooks



Drought Resources

Additional Resources

- Northeast DEWS Dashboard: <http://nedews.nrcc.cornell.edu/>
- Northeast Regional Climate Center: <http://www.nrcc.cornell.edu/>
- Your state climatologist: https://stateclimate.org/state_programs/
- Your local National Weather Service office: <https://www.weather.gov/srh/nws/offices>
- There are also upcoming webinars that will offer more information:
 - NOAA Regional Climate Services Monthly Webinar Series (June 30 next webinar): <http://www.nrcc.cornell.edu/workshops/webinars/2020/05/index.html>
- USDA Northeast Climate Hub: <https://www.climatehubs.usda.gov/hubs/northeast/drought-map>
- USGS/New England Water Science Center: <https://www.usgs.gov/centers/new-england-water> and <https://www.usgs.gov/centers/ny-water>

Contacts for More Information

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Upcoming Webinars

- Thursday, July 30 at 9:30am
 - EDDI (Evaporative Demand Drought Index)
- Thursday, August 27 at 9:30am
 - Hurricane Outlook & Season Update



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