

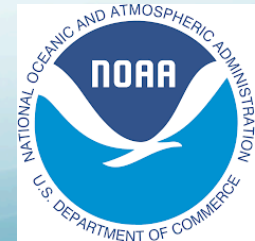
June Recap

Northeast DEWS Discussion

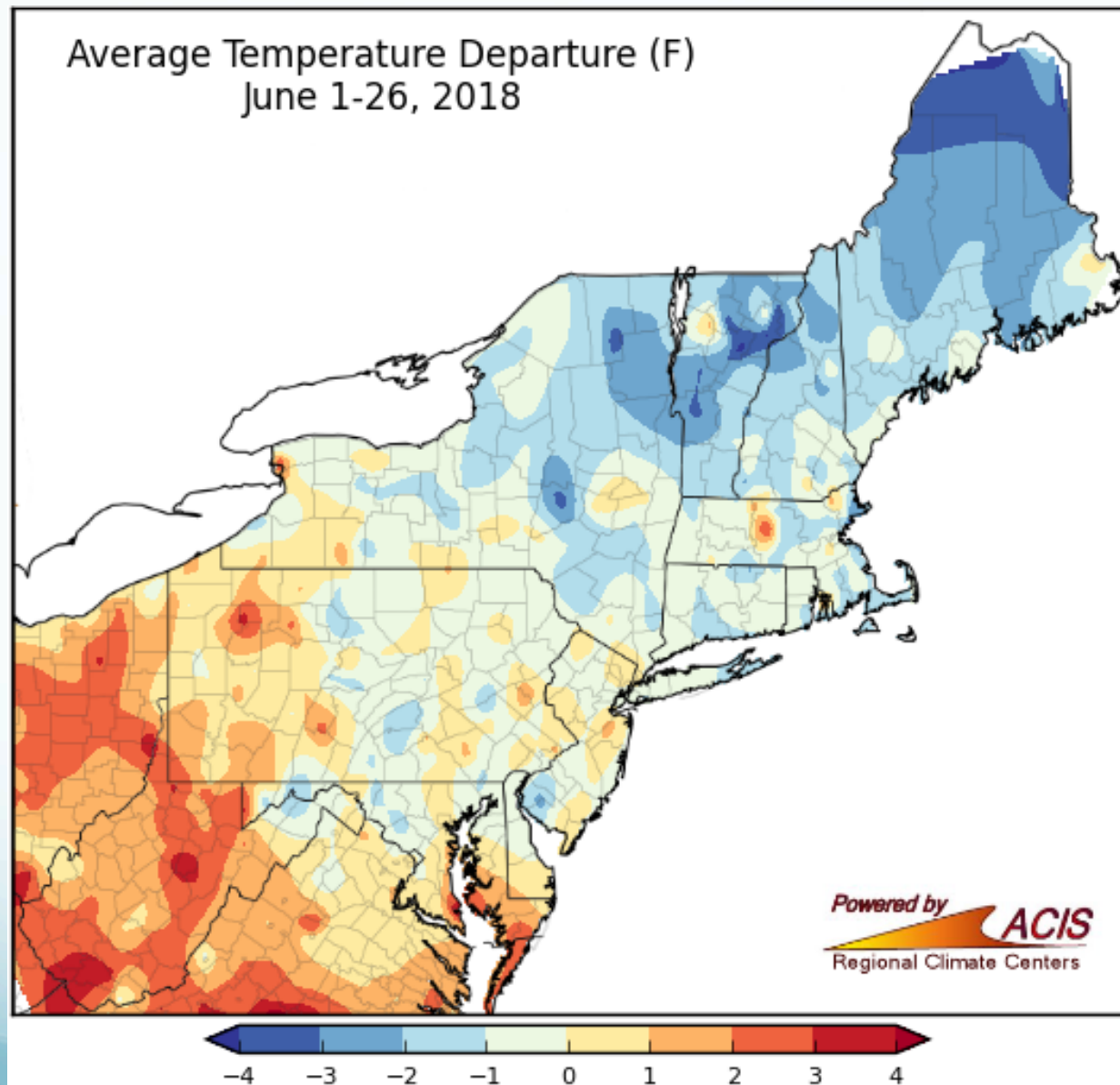
By: Jessica Spaccio, Climatologist
& Keith Eggleston, Regional Climatologist
Of the Northeast Regional Climate Center



Northeast Regional
Climate Center

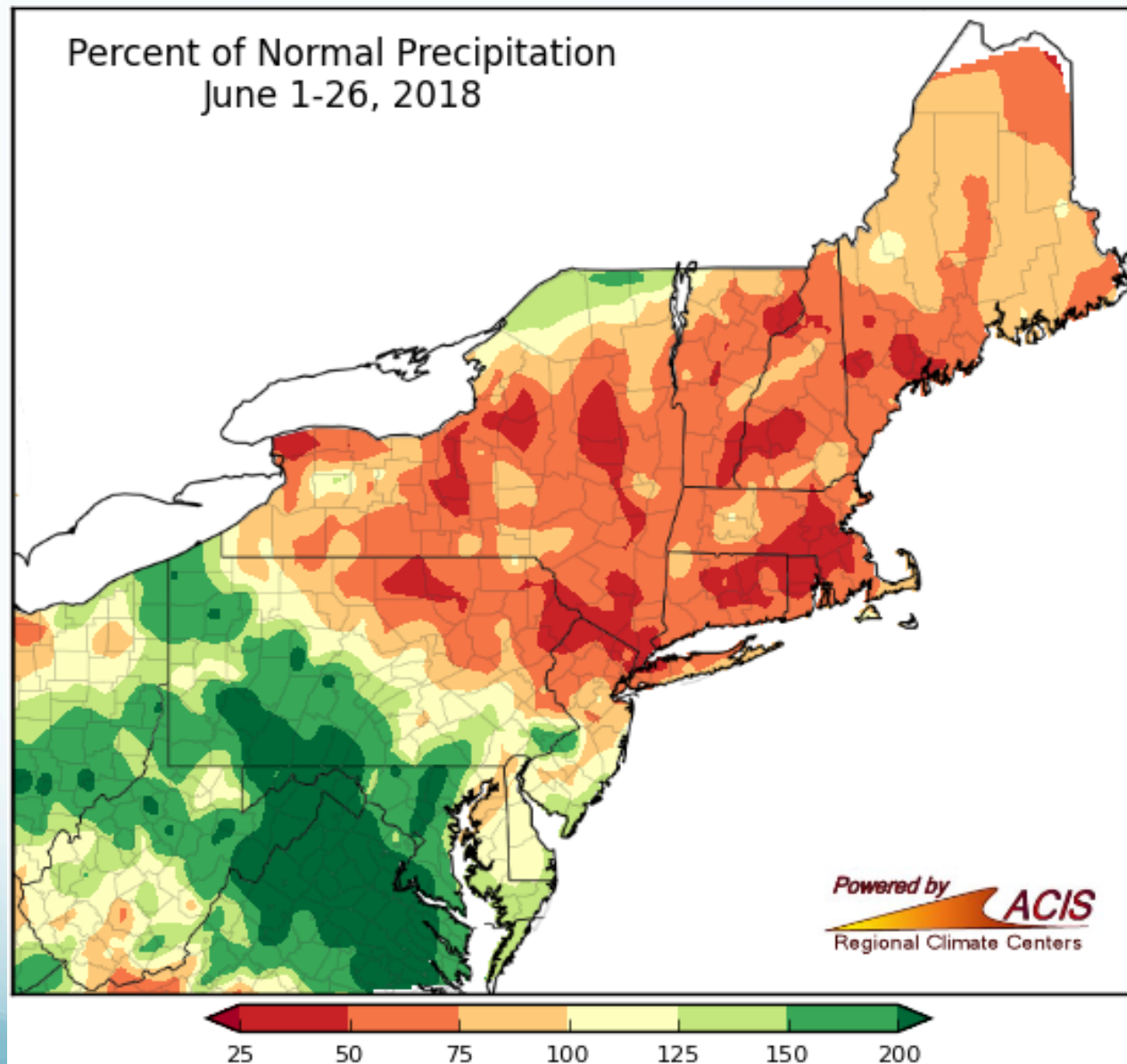


June Temperatures



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

June Precipitation



From less than 50% of normal to more than 200% of normal

Pennsylvania Tornadoes



An EF-2 tornado touched down in Franklin Township, PA on June 13 (above).



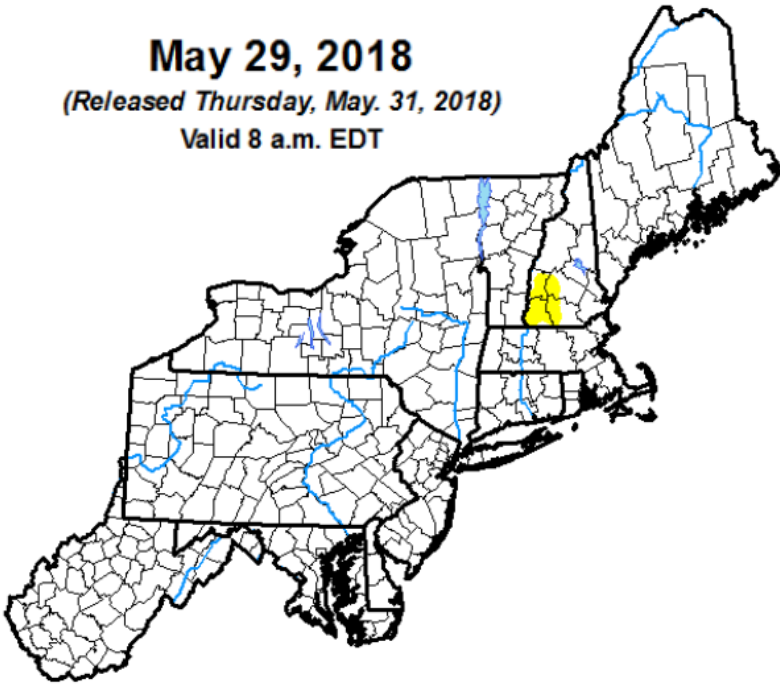
Damage and six injuries were reported from the other EF-2 tornado in Wilkes-Barre Township, PA the same day (above).

Drought Monitor

May 29, 2018

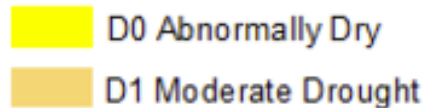
(Released Thursday, May. 31, 2018)

Valid 8 a.m. EDT



New Hampshire was the only abnormally dry state in the Northeast at the beginning of the month.

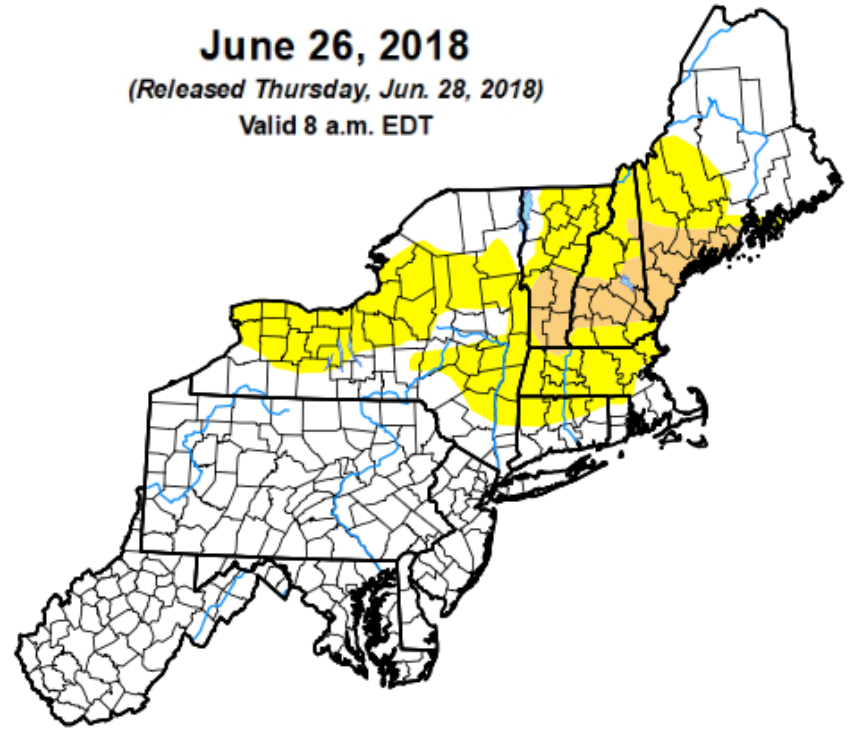
Intensity:



June 26, 2018

(Released Thursday, Jun. 28, 2018)

Valid 8 a.m. EDT



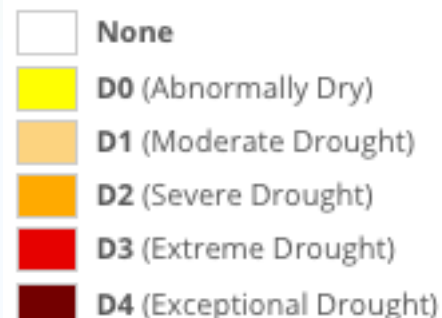
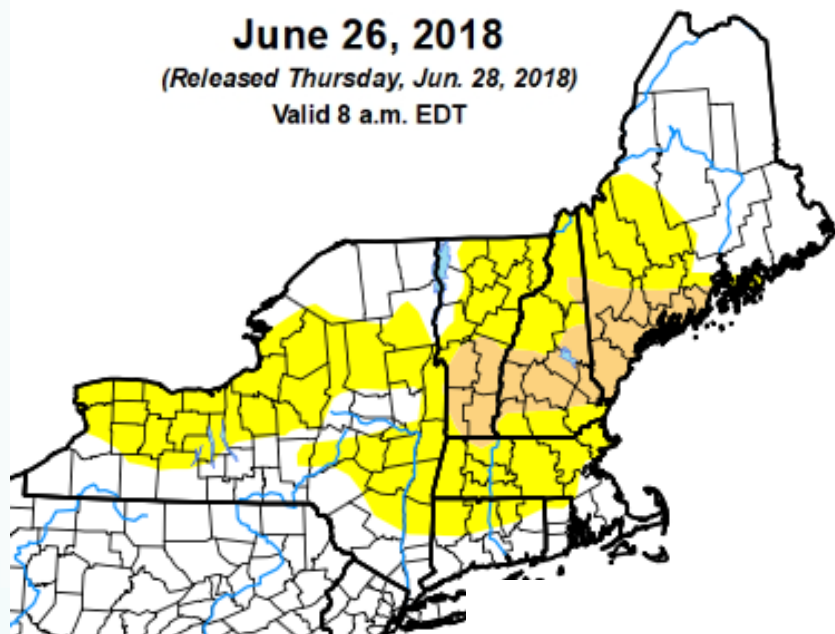
Abnormally dry conditions impacted 31% of the Northeast by the end of June.

United States Drought Monitor

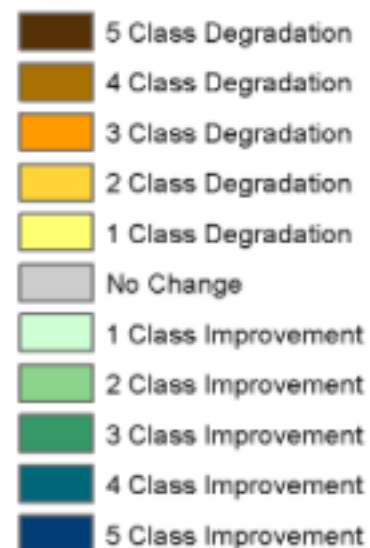
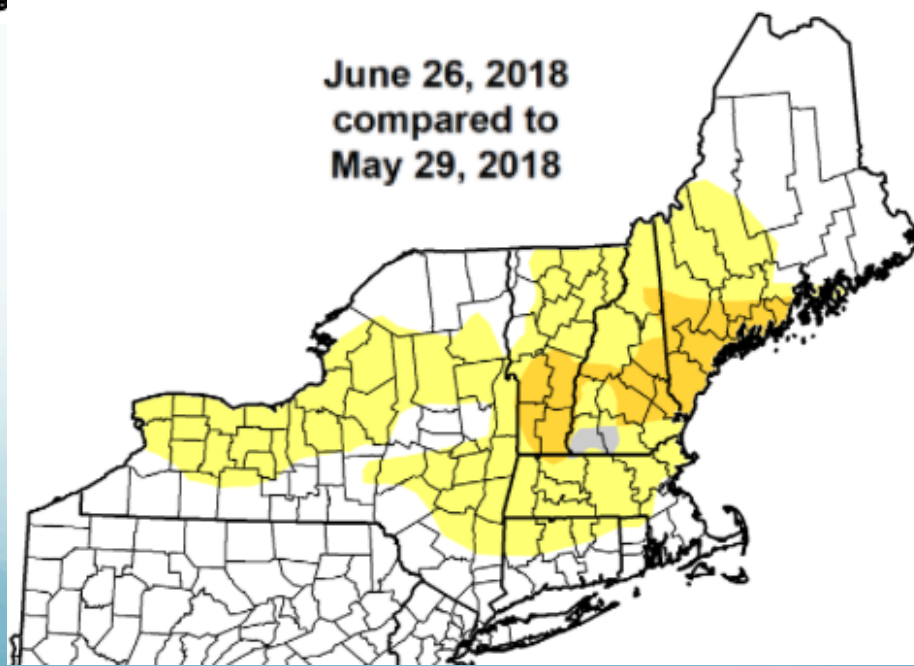
June 26, 2018

(Released Thursday, Jun. 28, 2018)

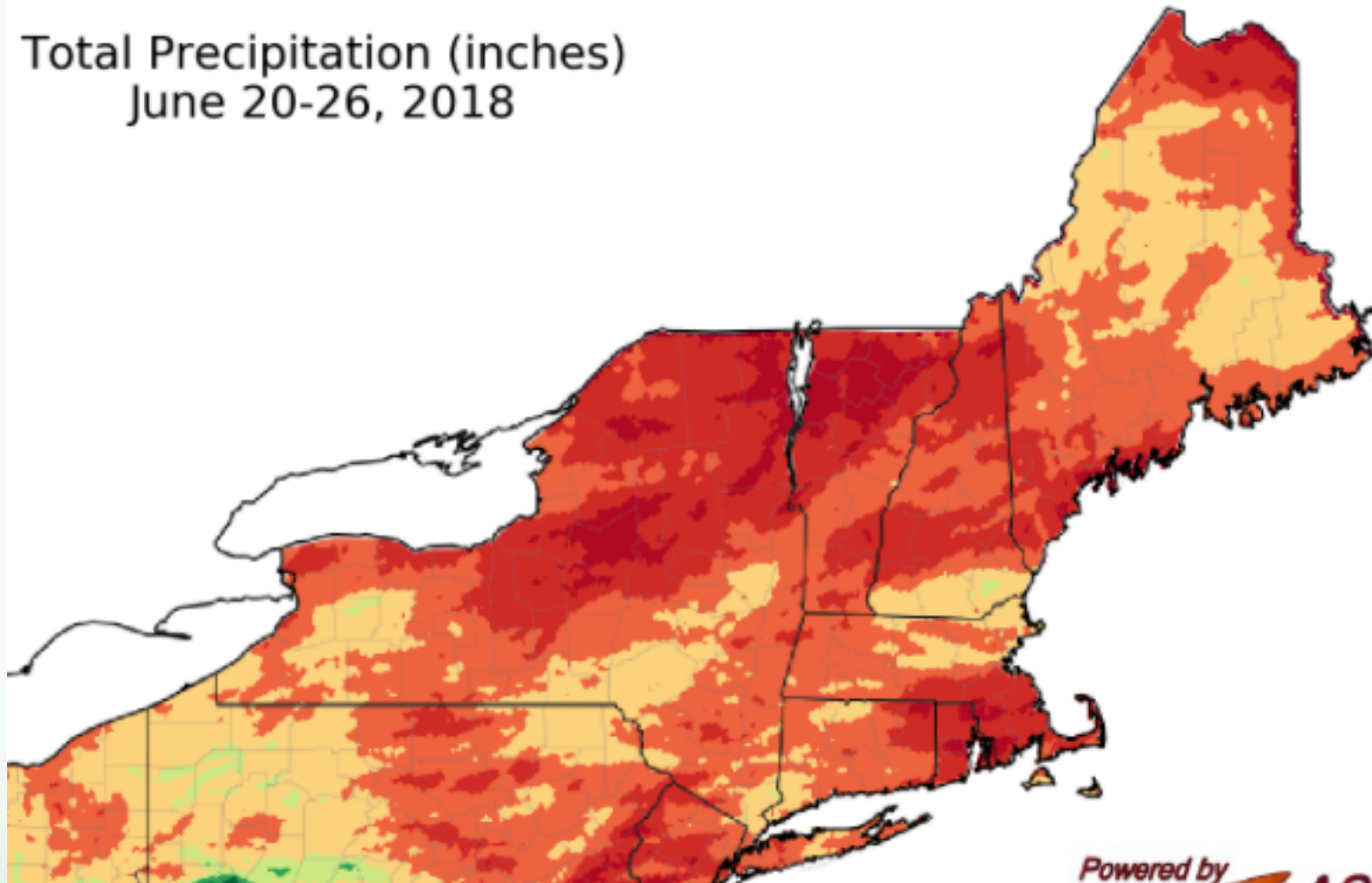
Valid 8 a.m. EDT



**June 26, 2018
compared to
May 29, 2018**



Total Precipitation (inches)
June 20-26, 2018



Powered by **ACIS**
Regional Climate Centers

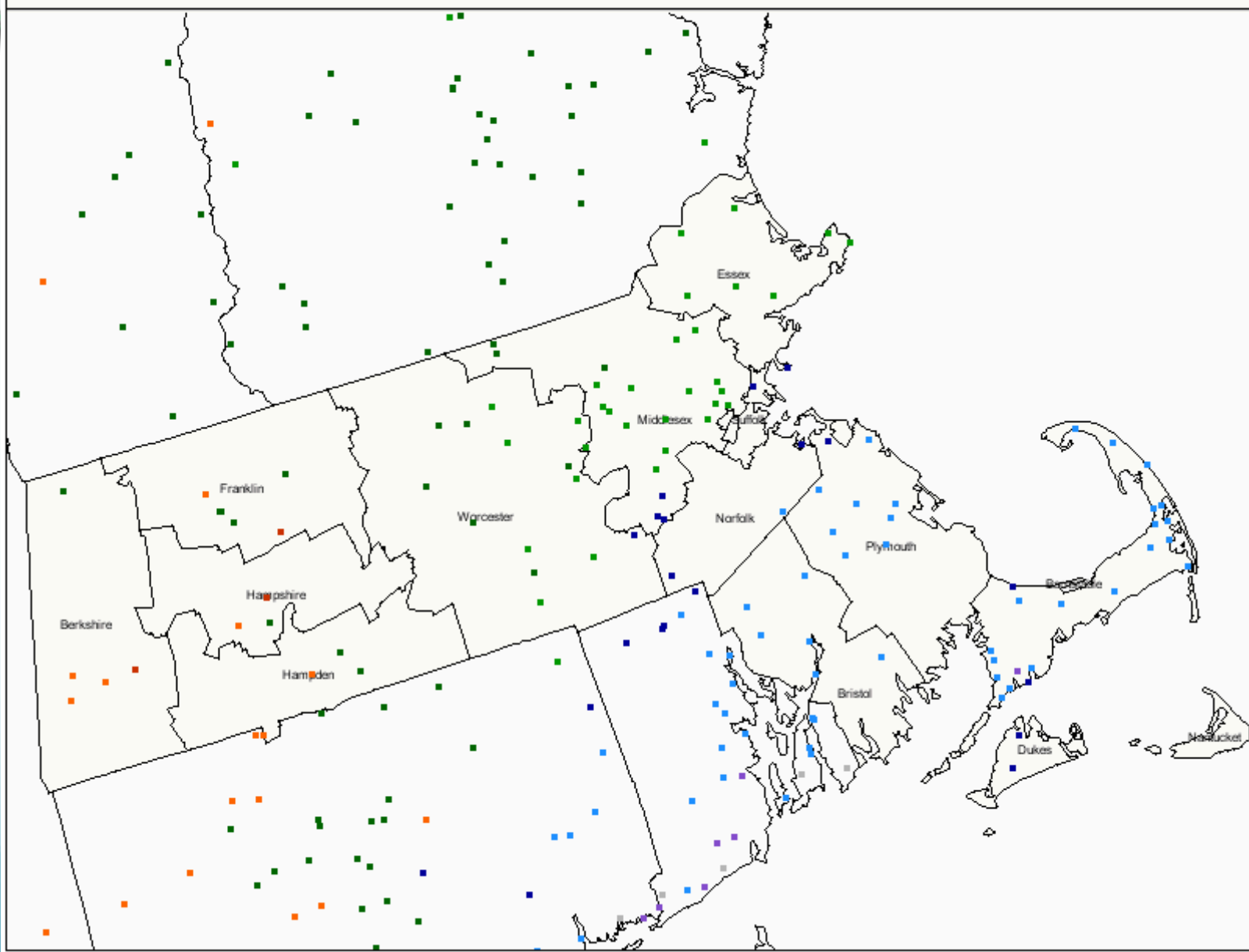




Daily Precipitation (inches x.xx), for the 24 hour period ending ~7:00 am

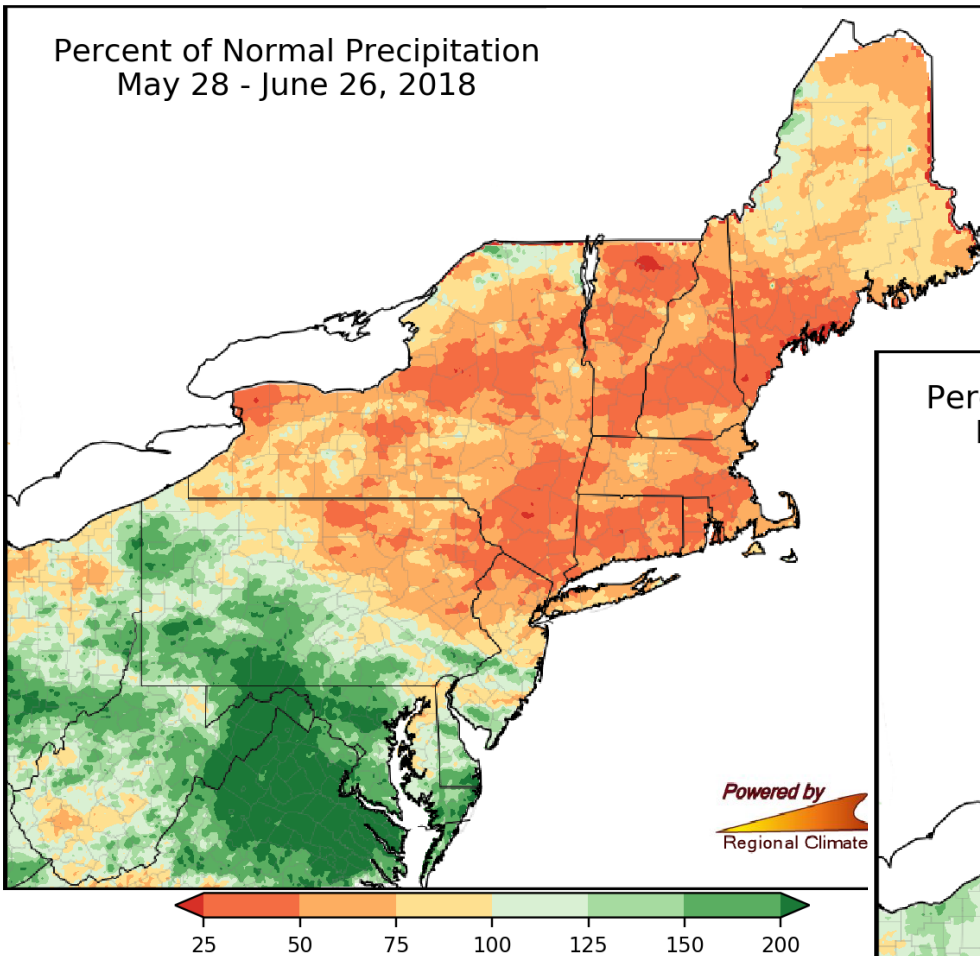
Massachusetts 6/28/2018

0.0 Trace 0.01 - 0.11 0.12 - 0.22 0.23 - 0.56 0.57 - 1.34 1.35 - 2.01 2.02 - 2.24

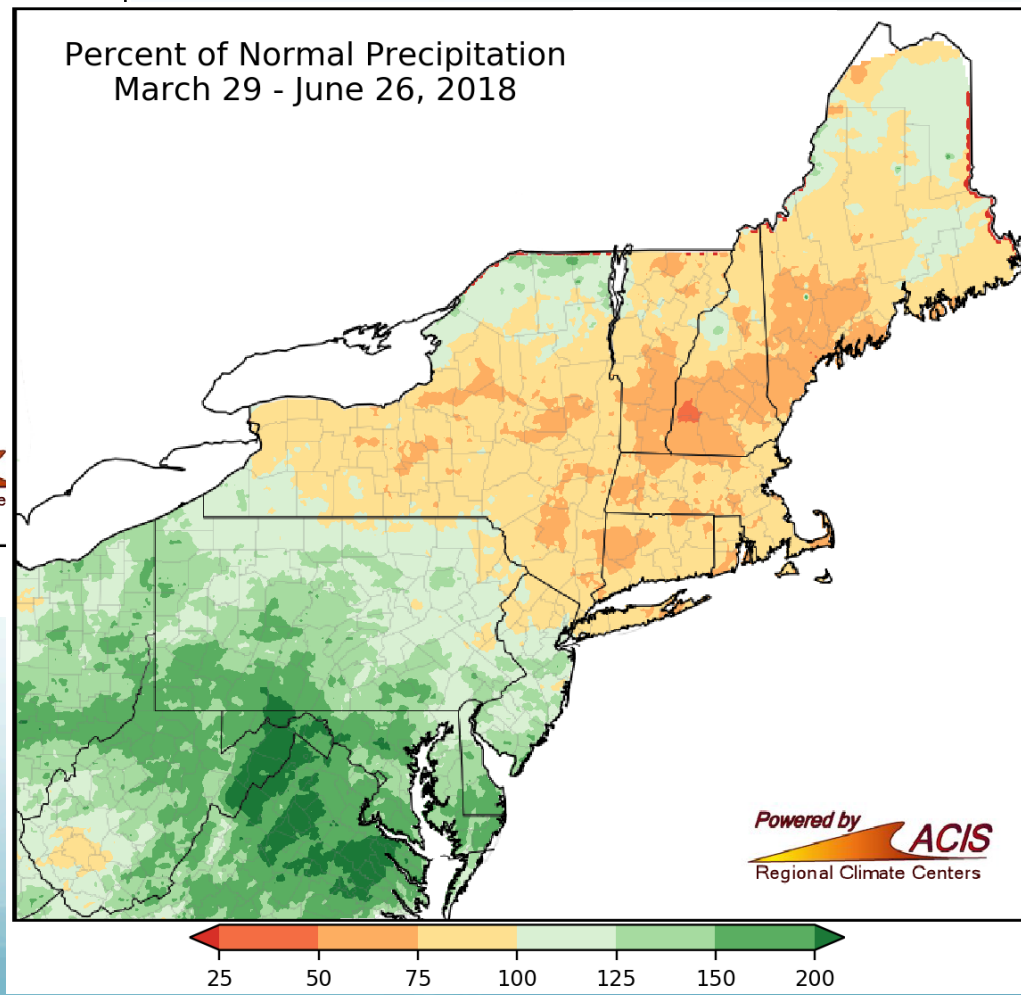


Percent of Normal Precipitation

Percent of Normal Precipitation
May 28 - June 26, 2018

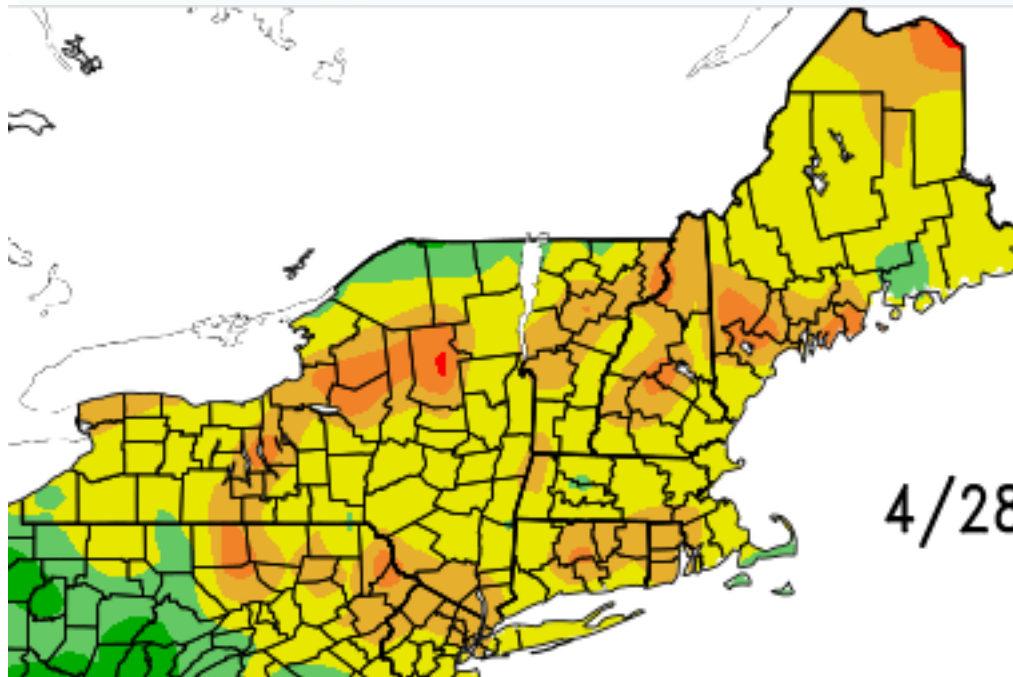


Percent of Normal Precipitation
March 29 - June 26, 2018

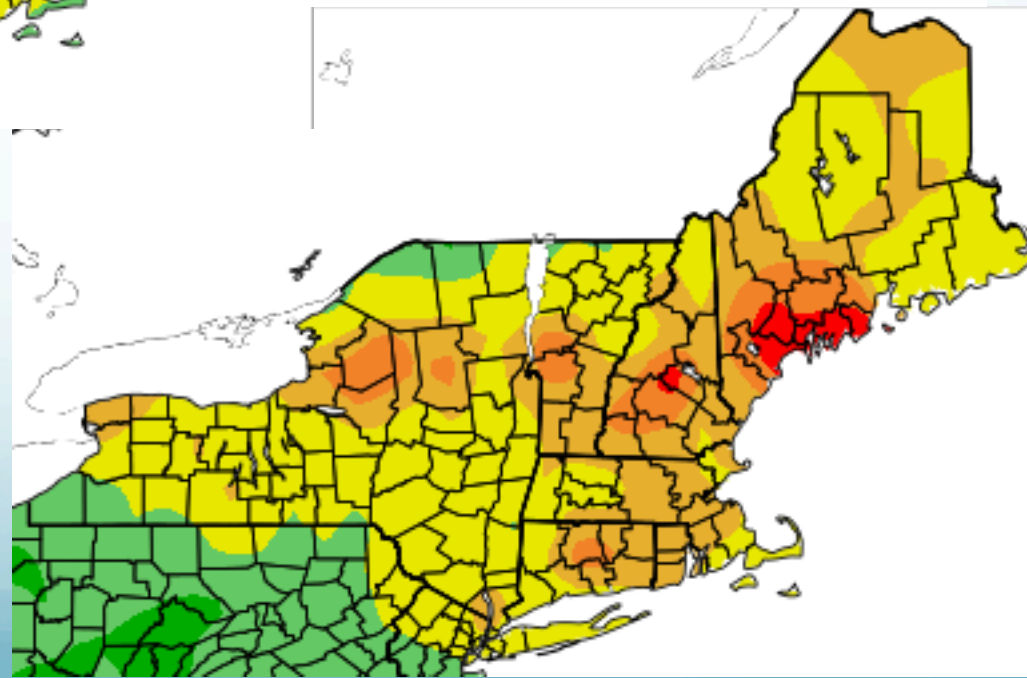


30 Day SPI 5/28/2018 – 6/26/2018

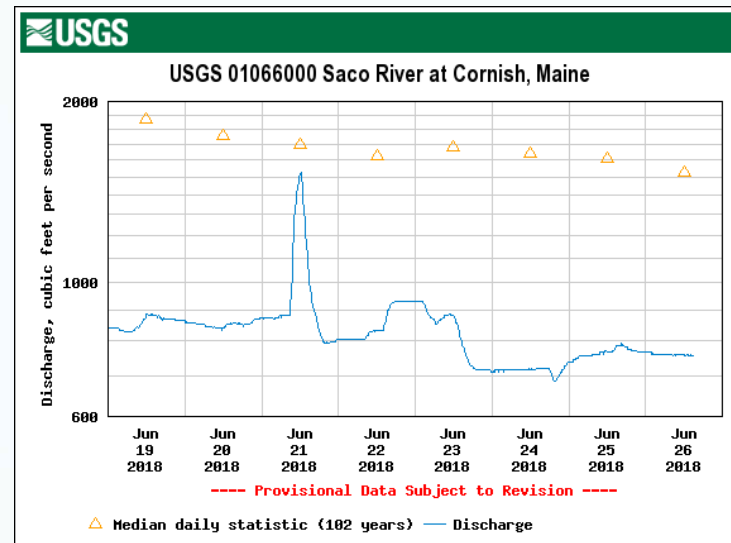
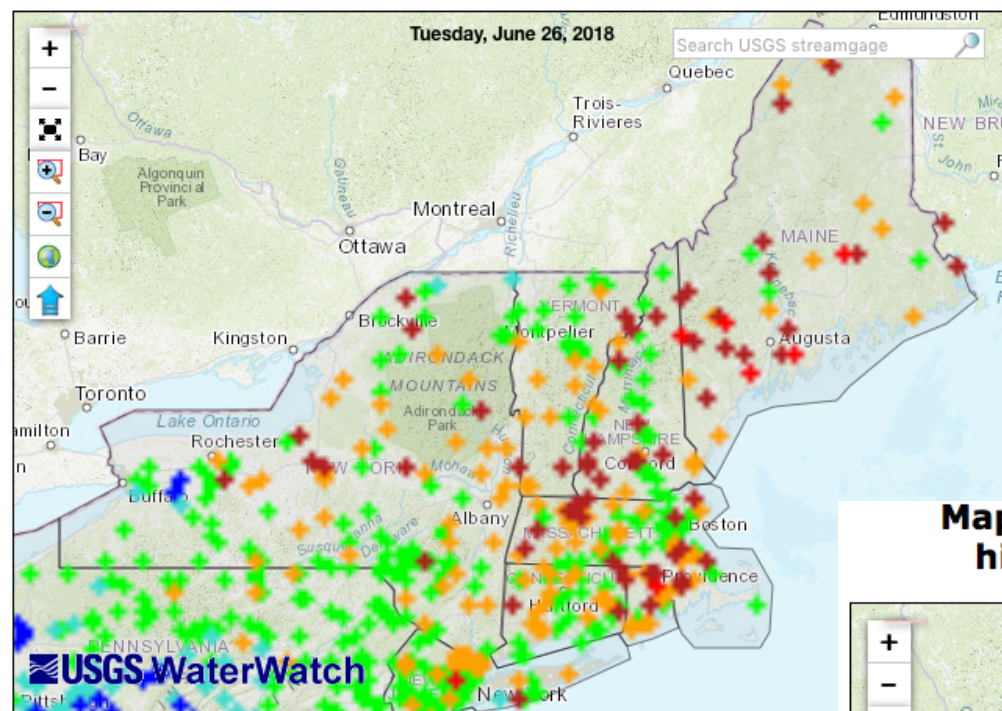
Standardized
Precipitation Index
(SPI)



60 Day SPI 4/28/2018 – 6/26/2018

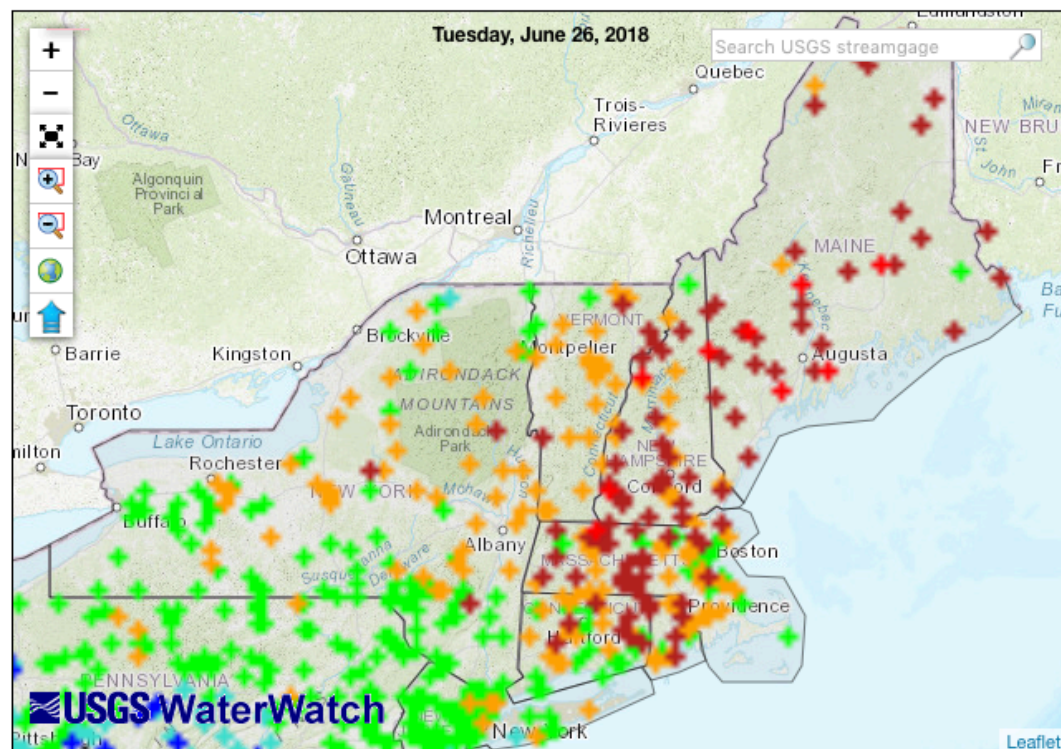


Map of 7-day average streamflow compared to historical streamflow for the day of the year



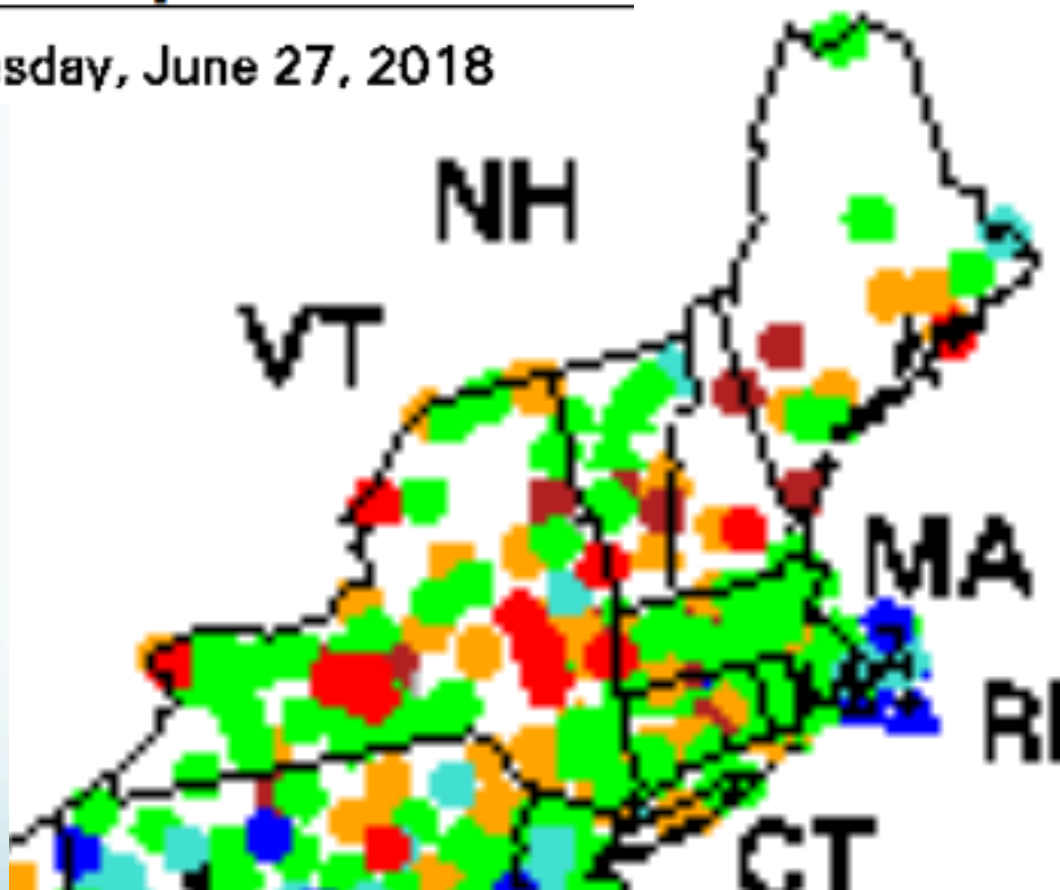
Map of 28-day average streamflow compared to historical streamflow for the day of the year

Explanation - Percentile classes						
●	●	●	●	●	●	●
Low	<10 Much below normal	10-24 Below normal	25-75 Normal	76-90 Above normal	>90 Much above normal	High














Climate Response Network

Wednesday, June 27, 2018



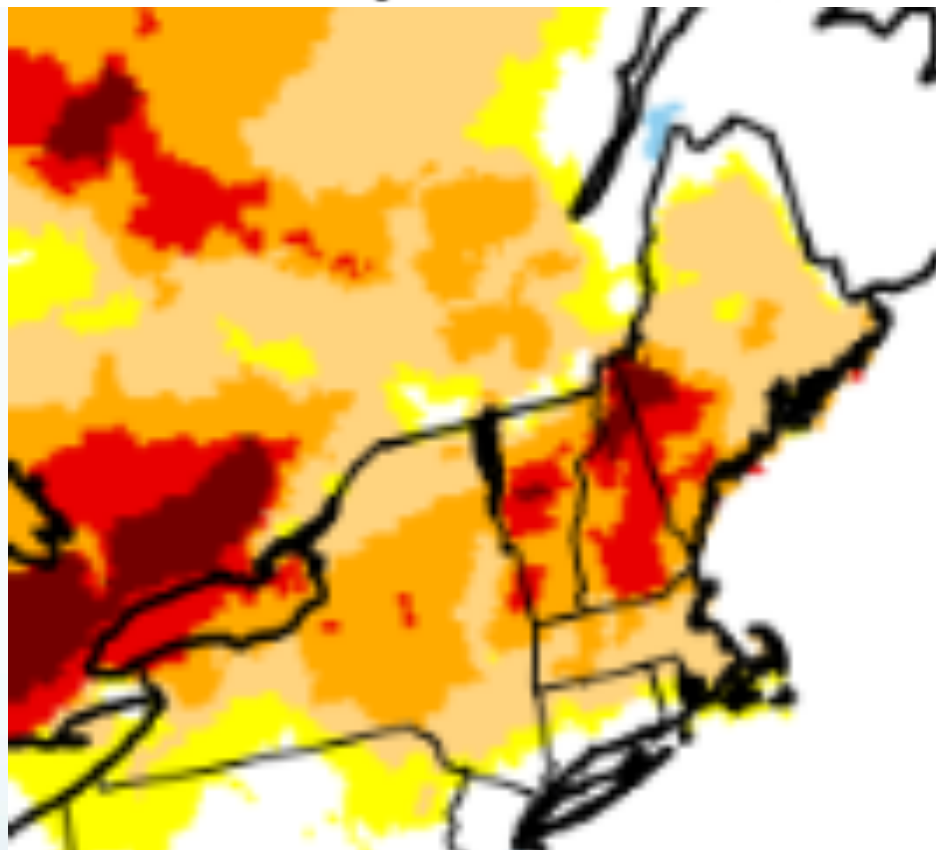
Explanation - Percentile classes (symbol color based on most recent measurement)

								
Low	<10	10-24	25-75	76-90	>90			
	Much Below Normal	Below Normal	Normal	Above Normal	Much Above Normal		High	Not Ranked

-  Real Time
-  Continuous
-  Periodic Measurements

EDDI Evaporative Demand Drought Index

1-month EDDI categories for June 22, 2018



Drought categories



Wetness categories

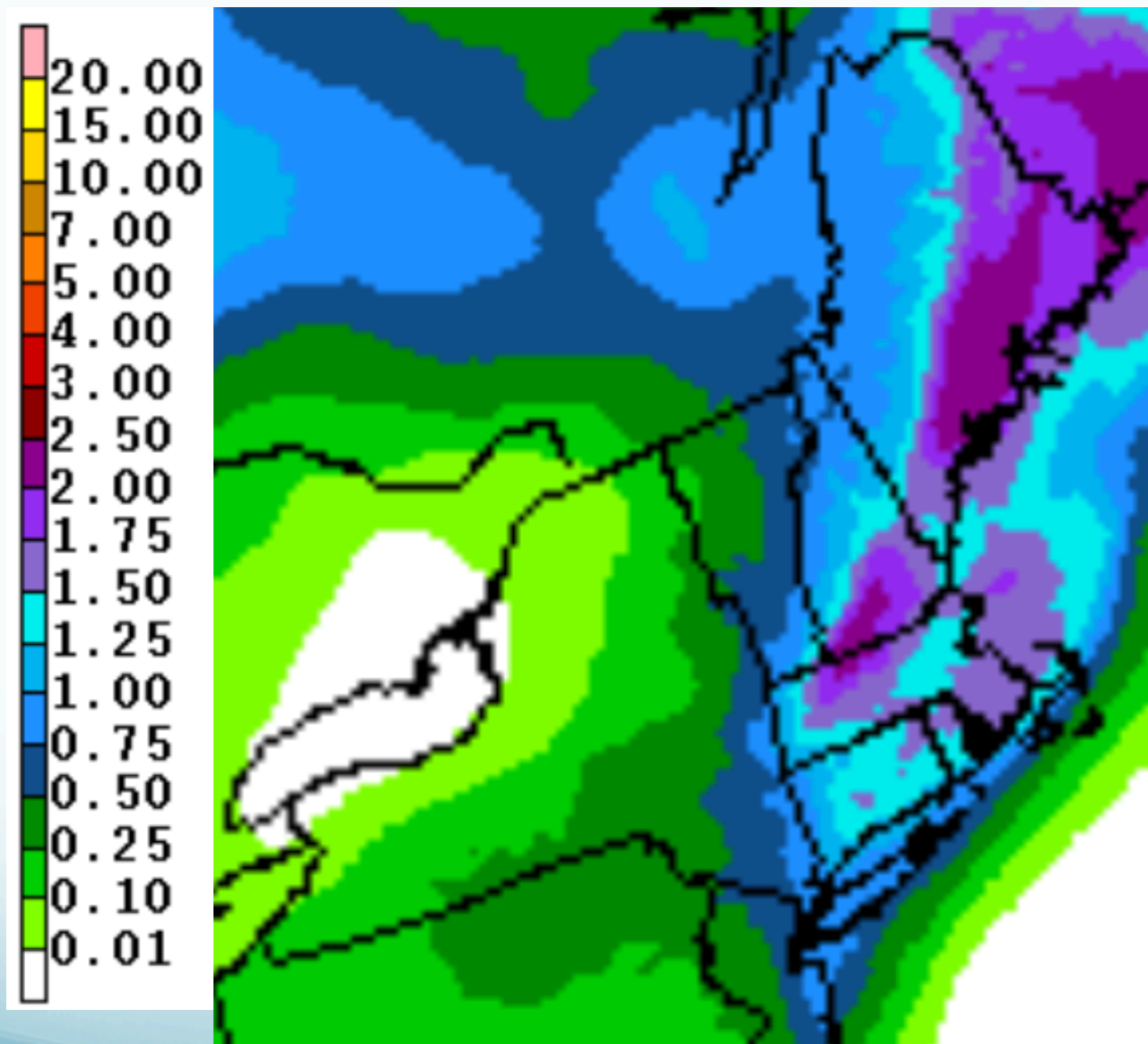


100% 98% 95% 90% 80% 70% 30% 20% 10% 5% 2% 0%

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



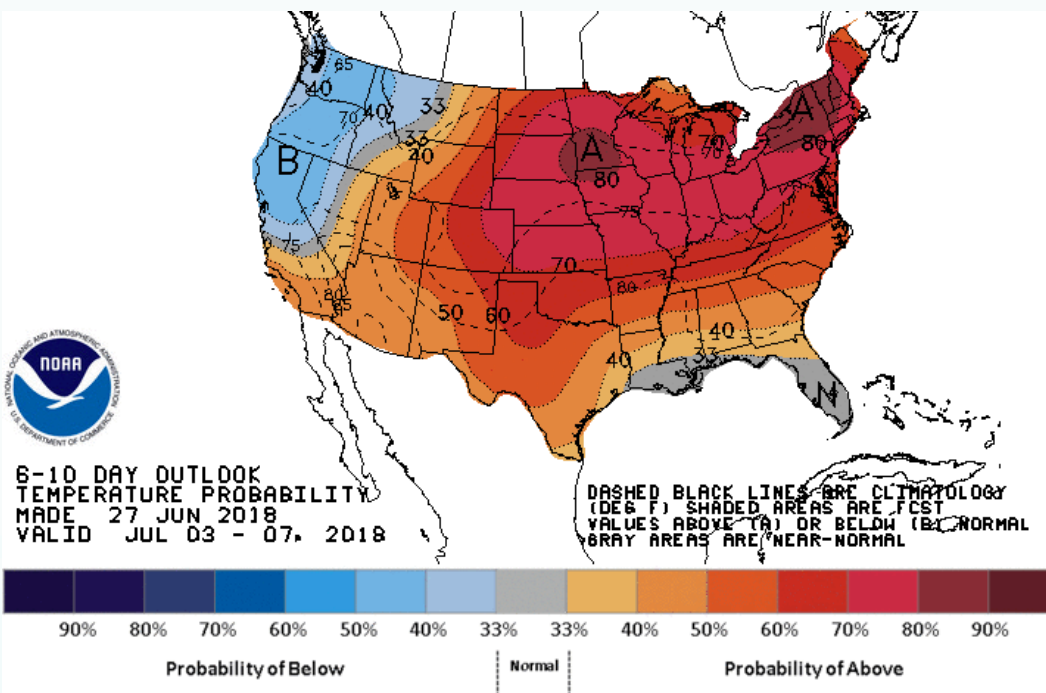
Generated by NOAA/ESRL/Physical Sciences Division



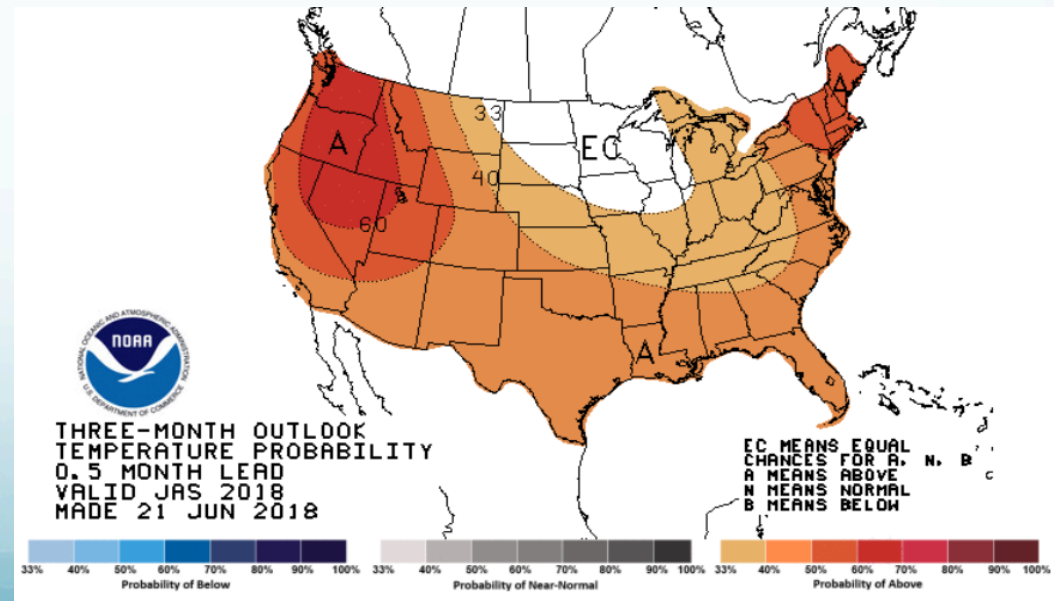
Temperature Outlooks

July 3 – July 7

Increased chances of above-average temperatures for the entire region (left).



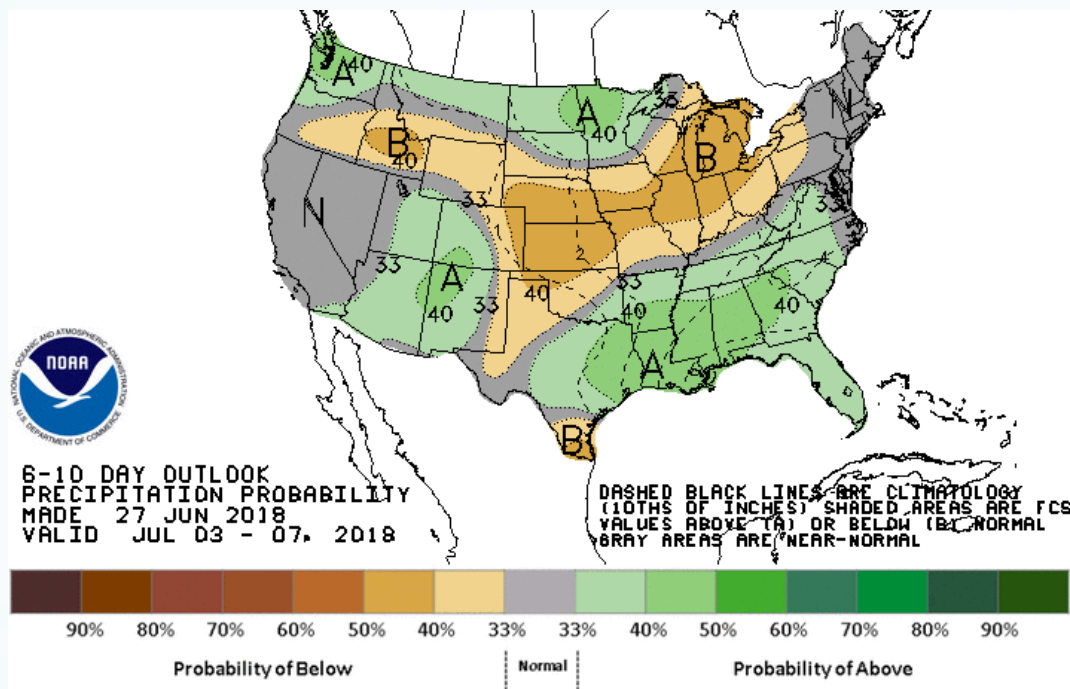
July– September:
Increased chances of above-normal temperatures for the Northeast, particularly for New England (right).



Precipitation Outlooks

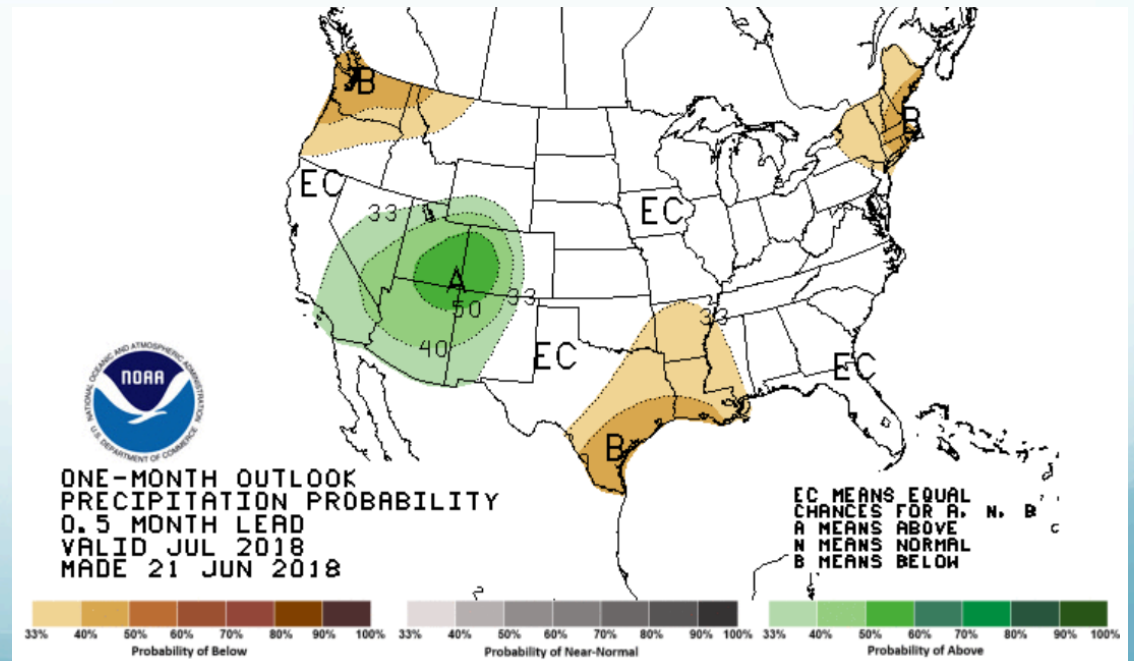
July 3 – July 7:

Increased chance of above-normal precipitation for much of the Northeast (left).



July:

Increased chance of below-normal precipitation for New England and eastern NY, equal chances elsewhere (right).



Impacts

- Water ban in Northampton, MA
- 75 Public Water Supplier's in MA on some watering restriction
- Public urged to conserve water in NH
- CoCoRaHS drought reports:
 - MA: brown patches on lawns
 - CT: grass looks stressed, flowers wilting, grasses turning brown, ground is hard
 - VT: hay fields are brownish
 - ME: fields turning brown, growth has slowed
 - NY: grass turning brown, gardens need watering, some farms are irrigating crops; Cayuga Cnty is dry; Cortland/Tompkins Cnty starting to get dry, need rain for hay regrowth; Oneida Cnty corn curling, dry soil; Yates Cnty corn curling
 - NH: grass drying



Questions?

Type into Q&A Box or Click “Raise Hand” to become a panelist & unmute yourself

irrigation
brown
garden
forecast fields
streams topsoil CoCoRaHS
plants farms corn
drought river sod lawn dormant
lawns grass ban
growth dry gardens
crops burn
slow
hay ground stress rain
restrictions
conserve streamflow
trees evaporation
moisture curling
water



Other Impacts not reflected here?

Please email us! NRCC@CORNELL.EDU

Contact Information

- nrcc@cornell.edu
- 607-255-1751

Upcoming Webinar

- Tuesday, July 31 at 9:30 am
- Thursday August 30 at 9:30am

www.nrcc.cornell.edu