

# June Recap

## Northeast DEWS Discussion

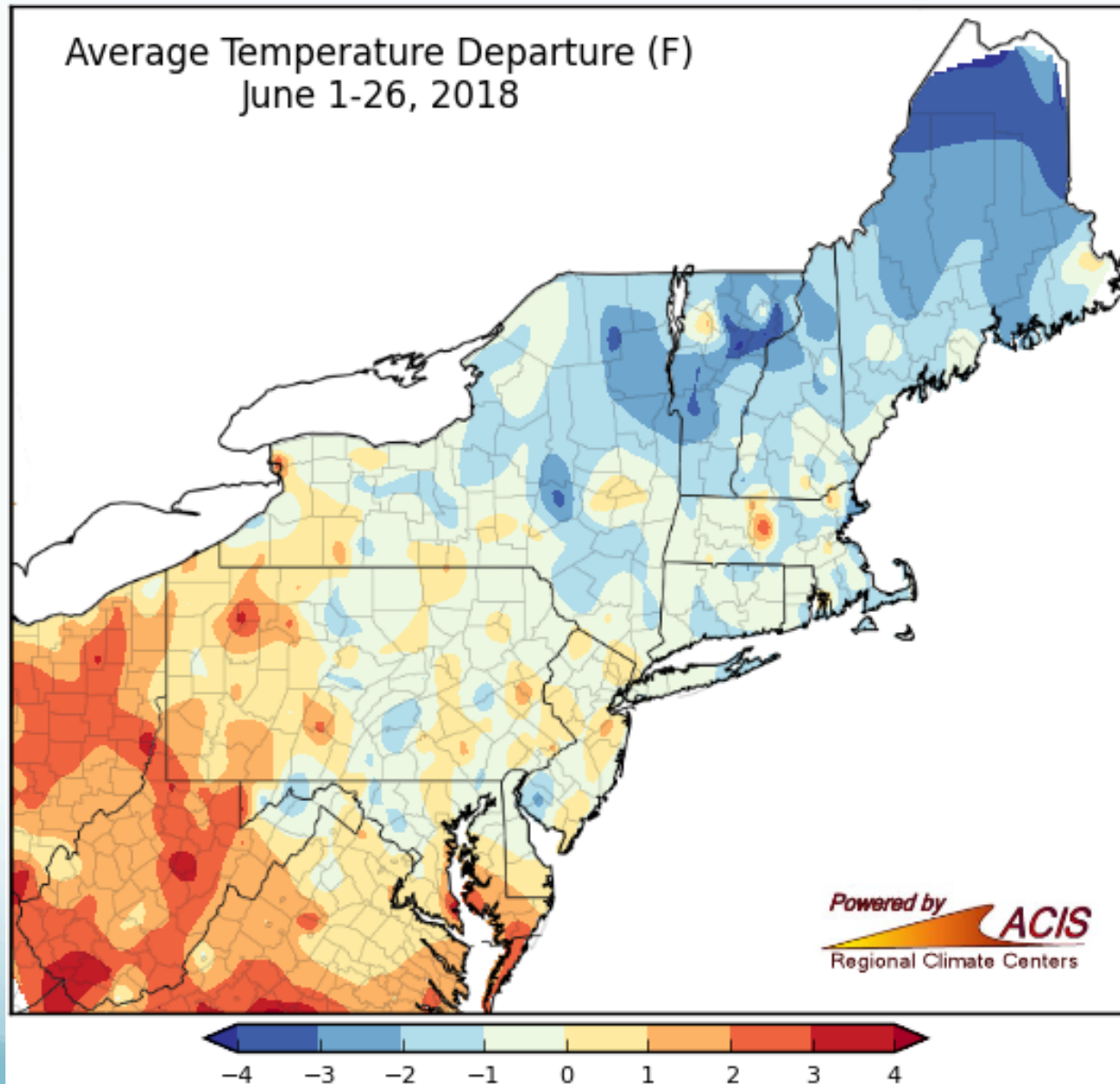
By: Jessica Spaccio, Climatologist  
& Keith Eggleston, Regional Climatologist  
Of the Northeast Regional Climate Center



Northeast Regional  
Climate Center

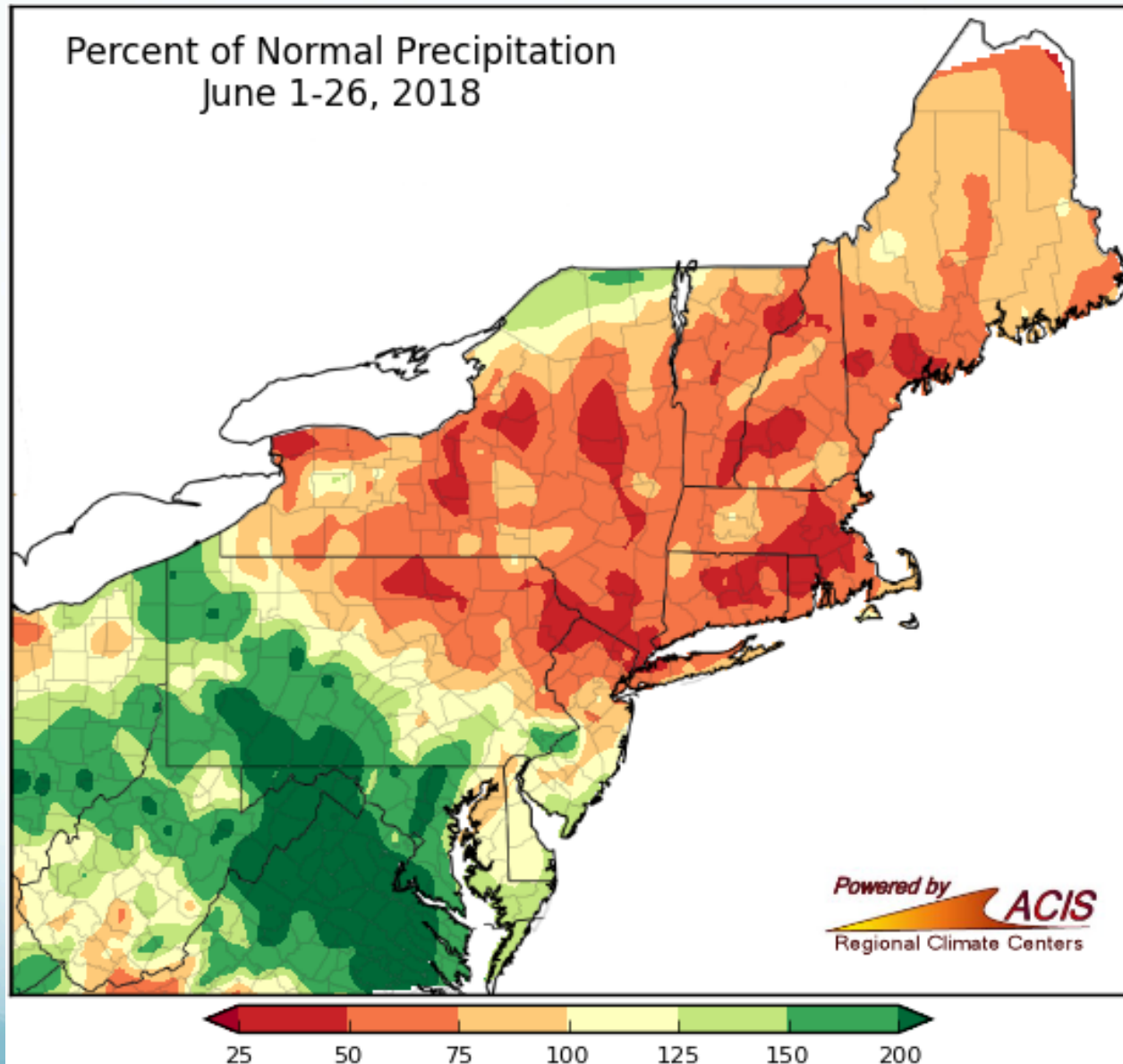


# June Temperatures



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).



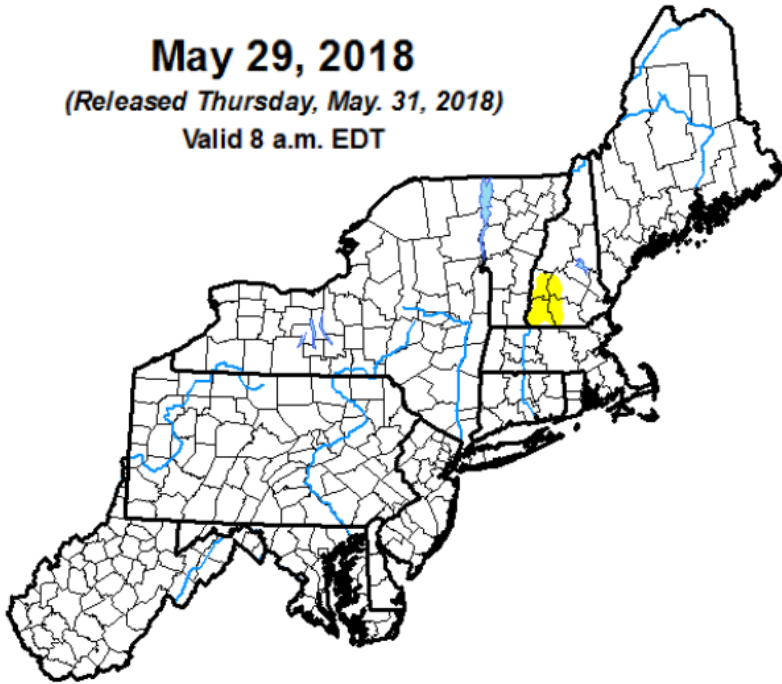
Damage and six injuries were reported from the other EF-2 tornado in Wilkes-Barre Township, PA the same day (above).

# Drought Monitor

**May 29, 2018**

*(Released Thursday, May. 31, 2018)*

Valid 8 a.m. EDT

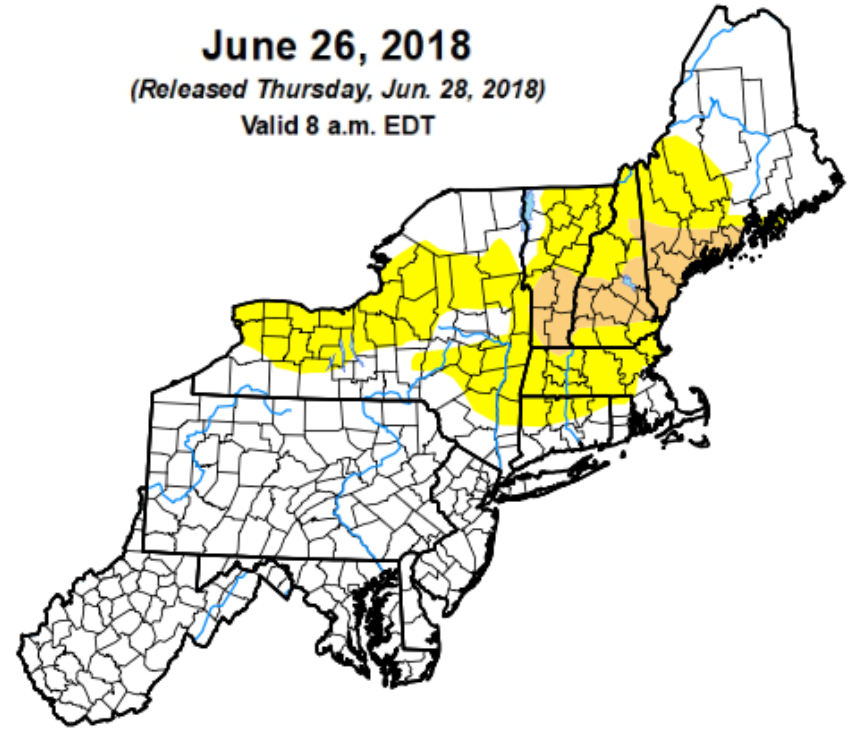


New Hampshire was the only abnormally dry state in the Northeast at the beginning of the month.

**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.

*Intensity:*

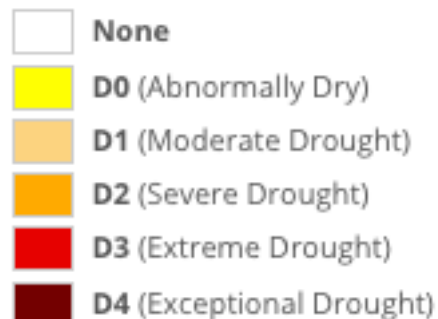
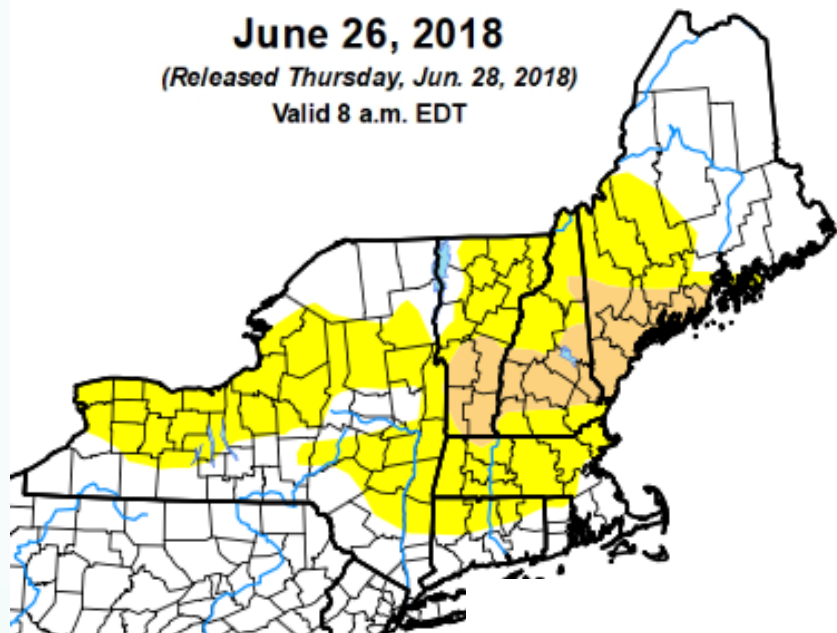
-  D0 Abnormally Dry
-  D1 Moderate Drought

# United States Drought Monitor

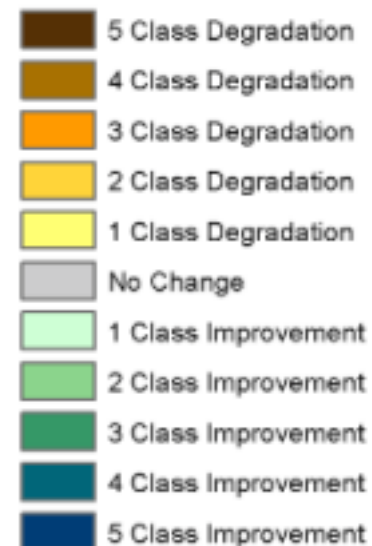
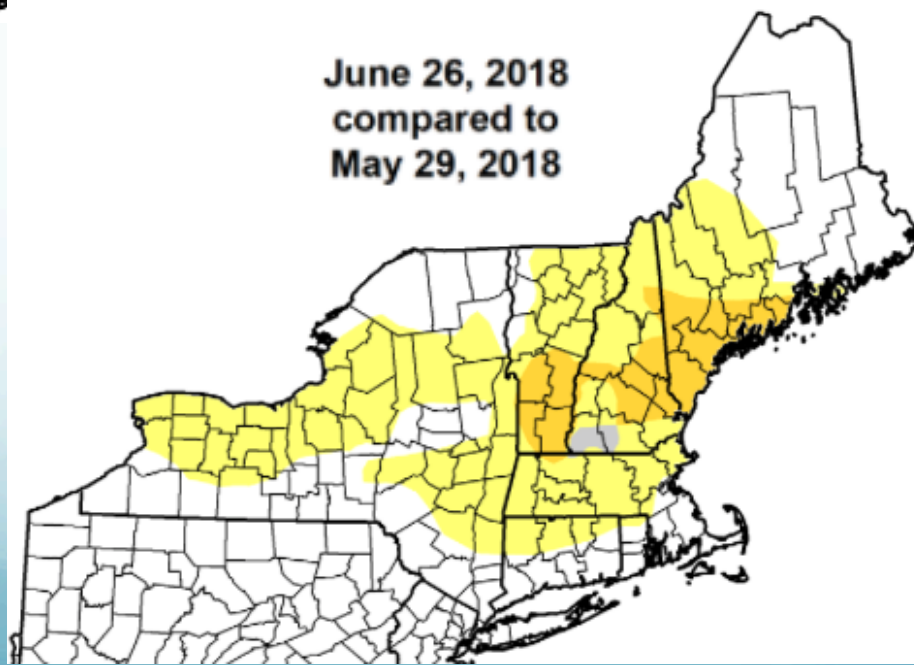
**June 26, 2018**

*(Released Thursday, Jun. 28, 2018)*

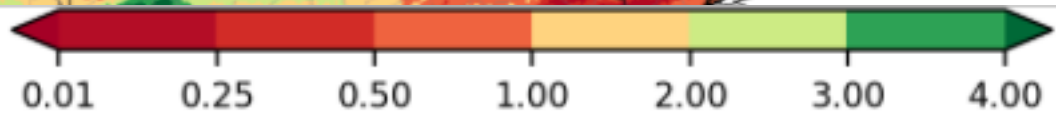
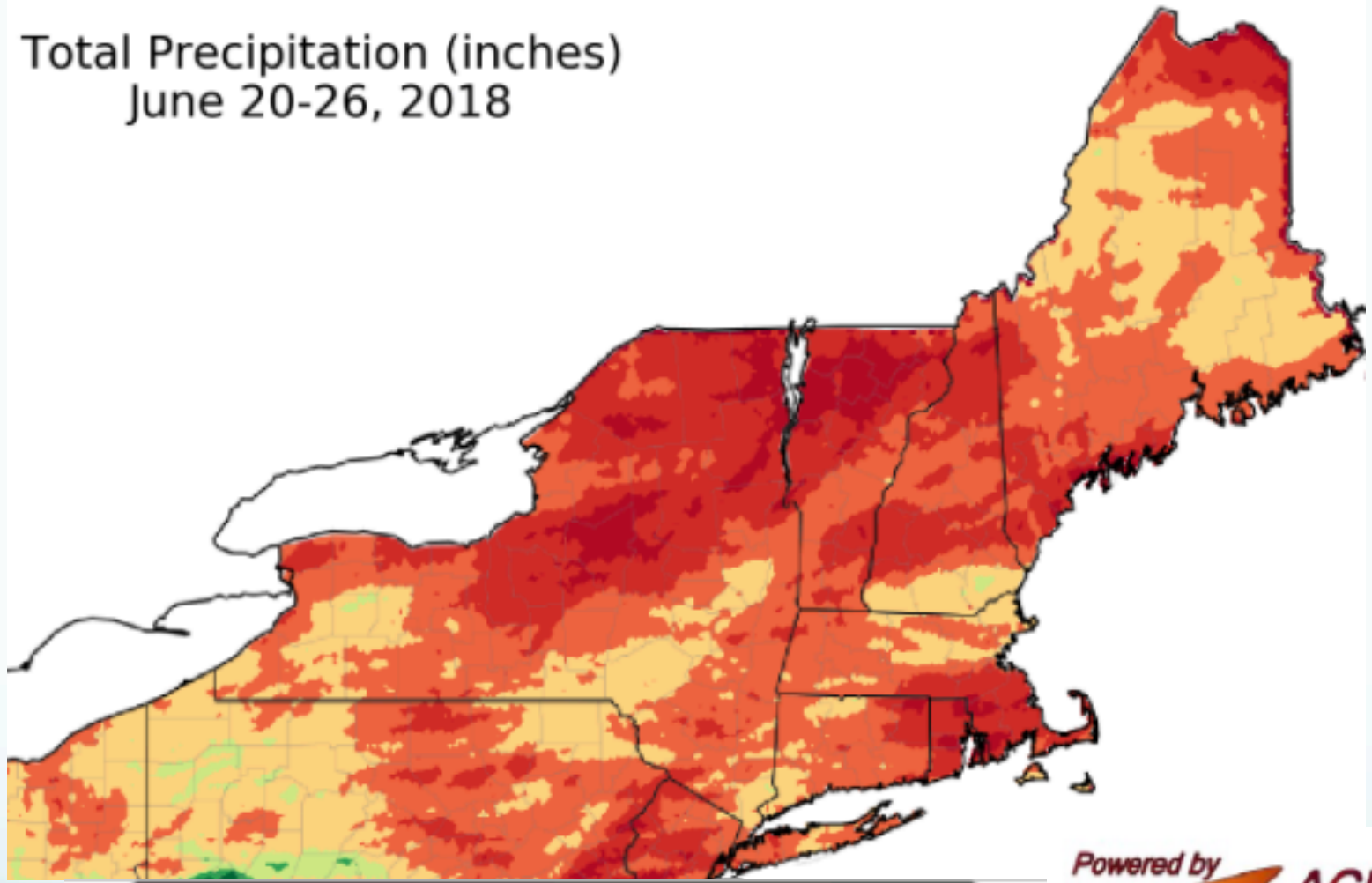
Valid 8 a.m. EDT



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



# Total Precipitation (inches) June 20-26, 2018



Powered by **ACIS**  
Regional Climate Centers

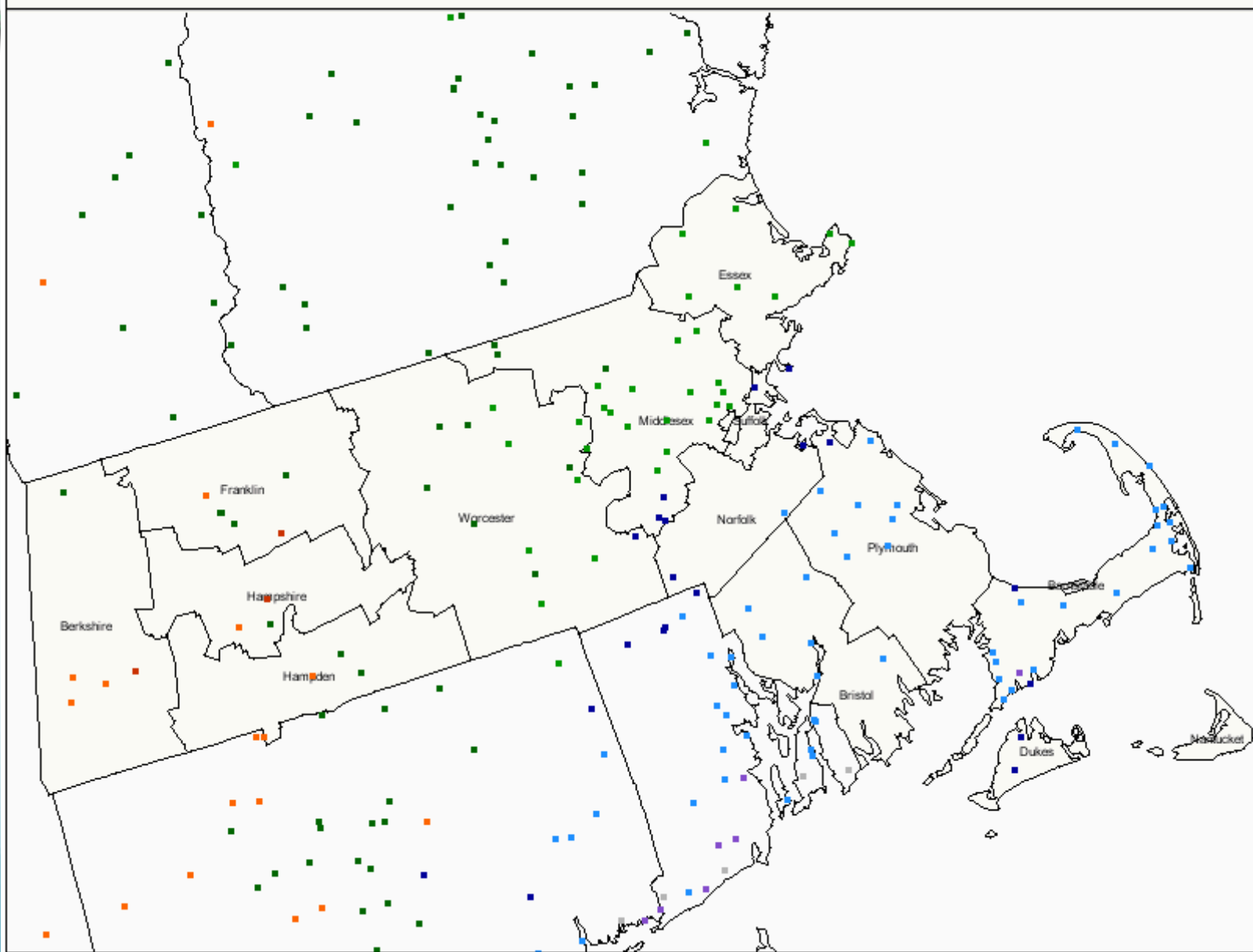




Daily Precipitation (inches x.xx), for the 24 hour period ending ~7:00 am

Massachusetts 6/28/2018

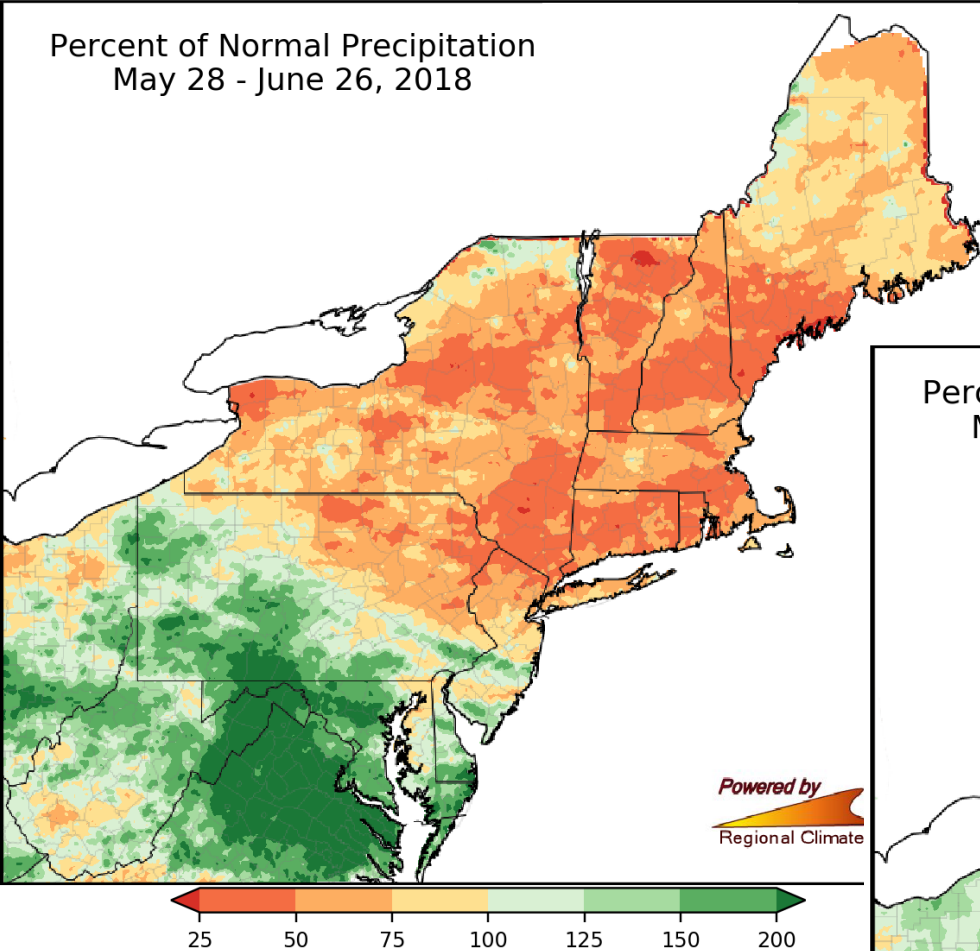
0.0 Trace 0.01 - 0.11 0.12 - 0.22 0.23 - 0.56 0.57 - 1.34 1.35 - 2.01 2.02 - 2.24



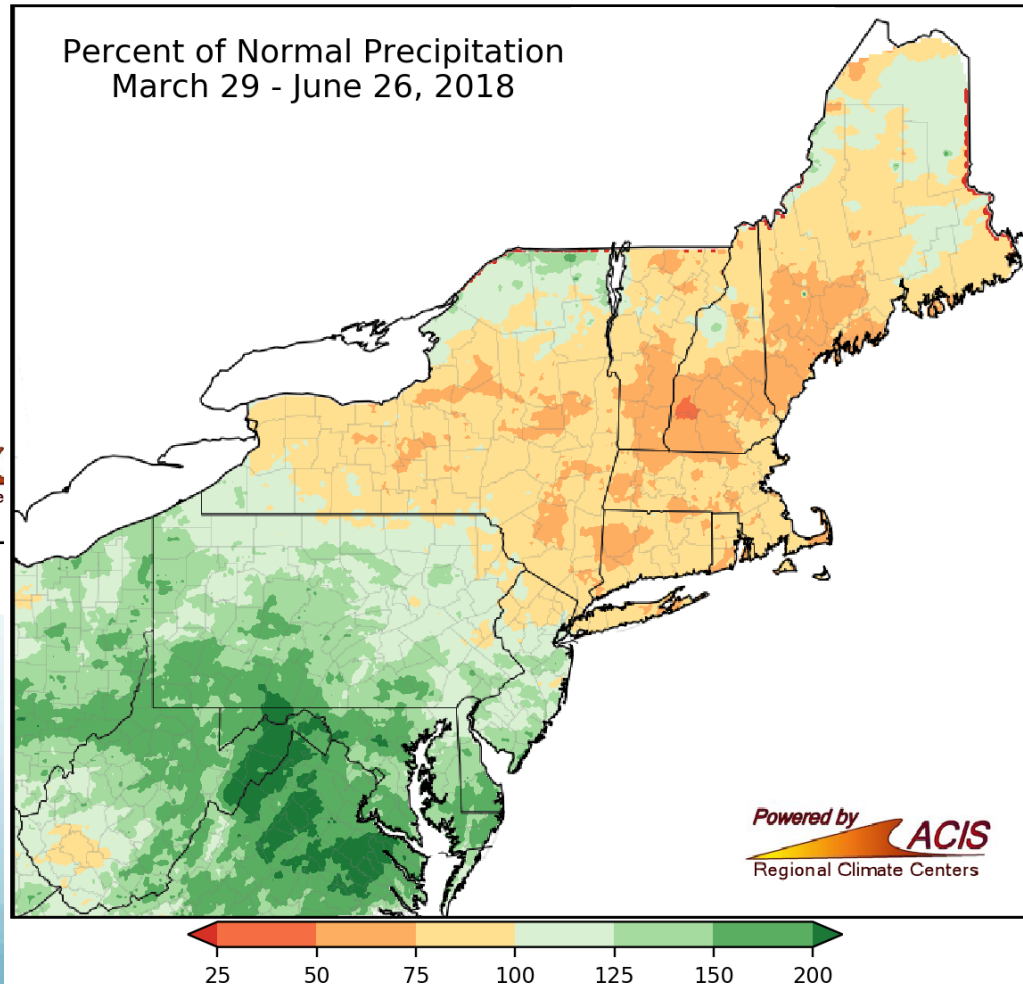


# Percent of Normal Precipitation

Percent of Normal Precipitation  
May 28 - June 26, 2018

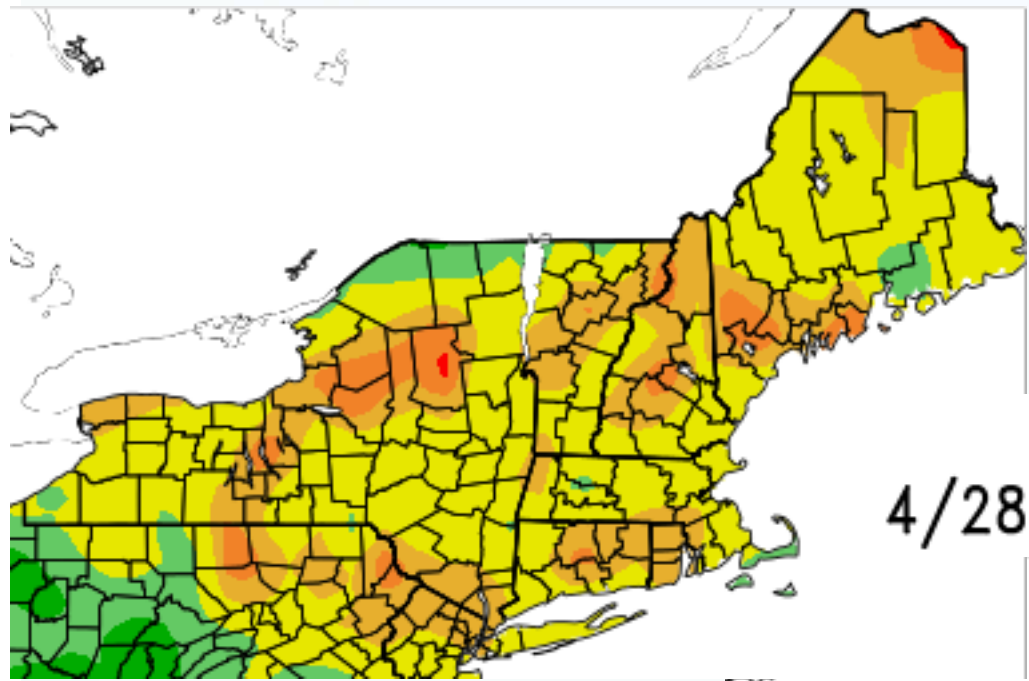
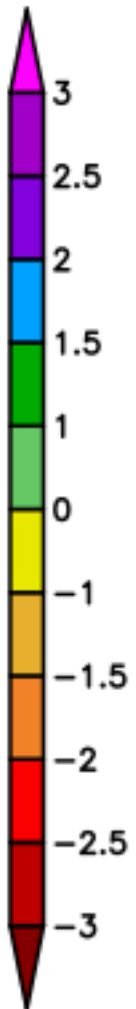


Percent of Normal Precipitation  
March 29 - June 26, 2018

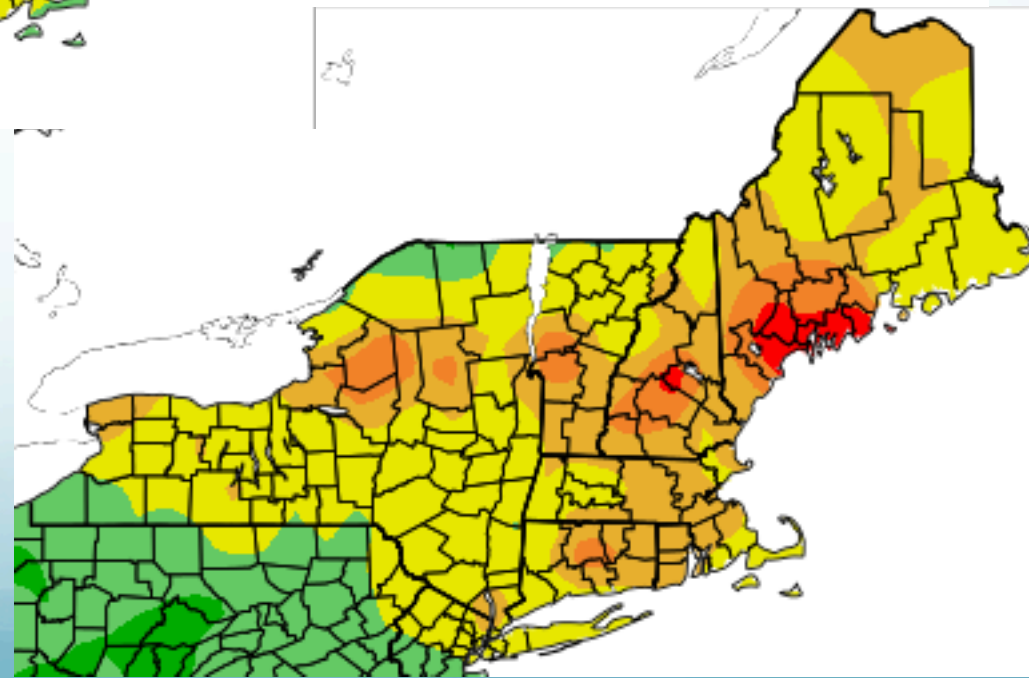


# 30 Day SPI 5/28/2018 - 6/26/2018

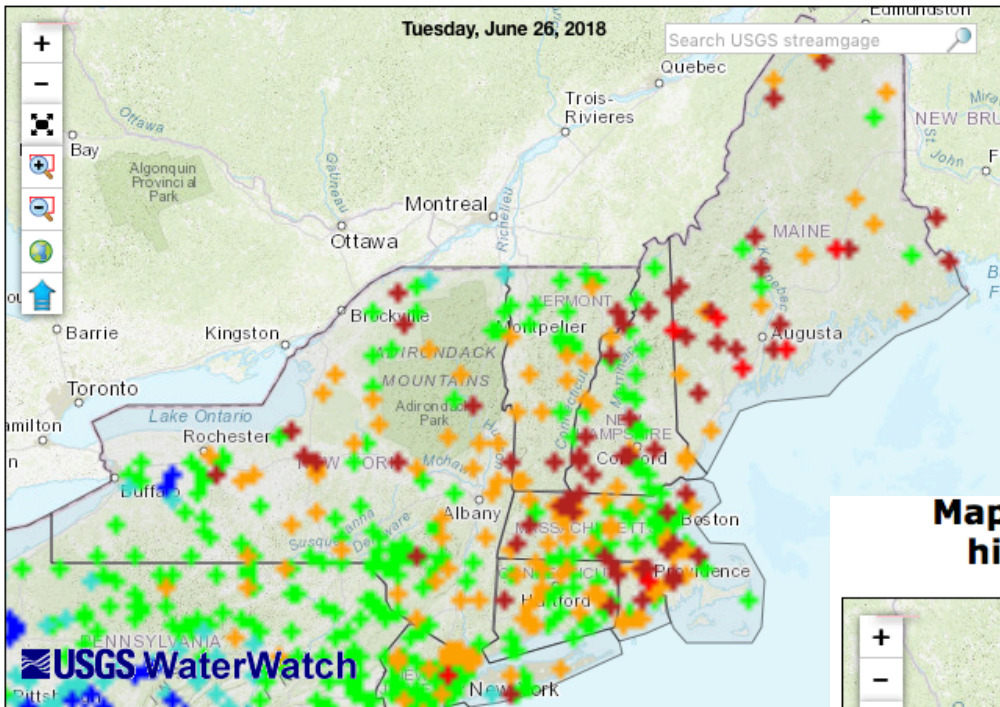
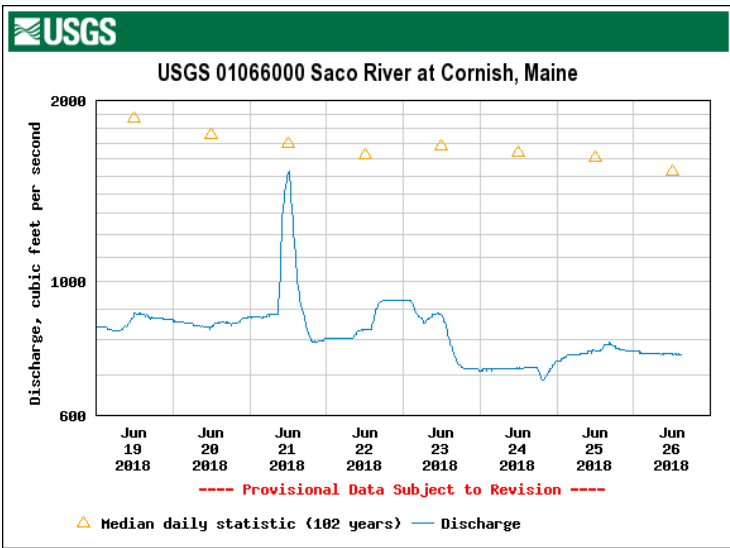
Standardized  
Precipitation Index  
(SPI)



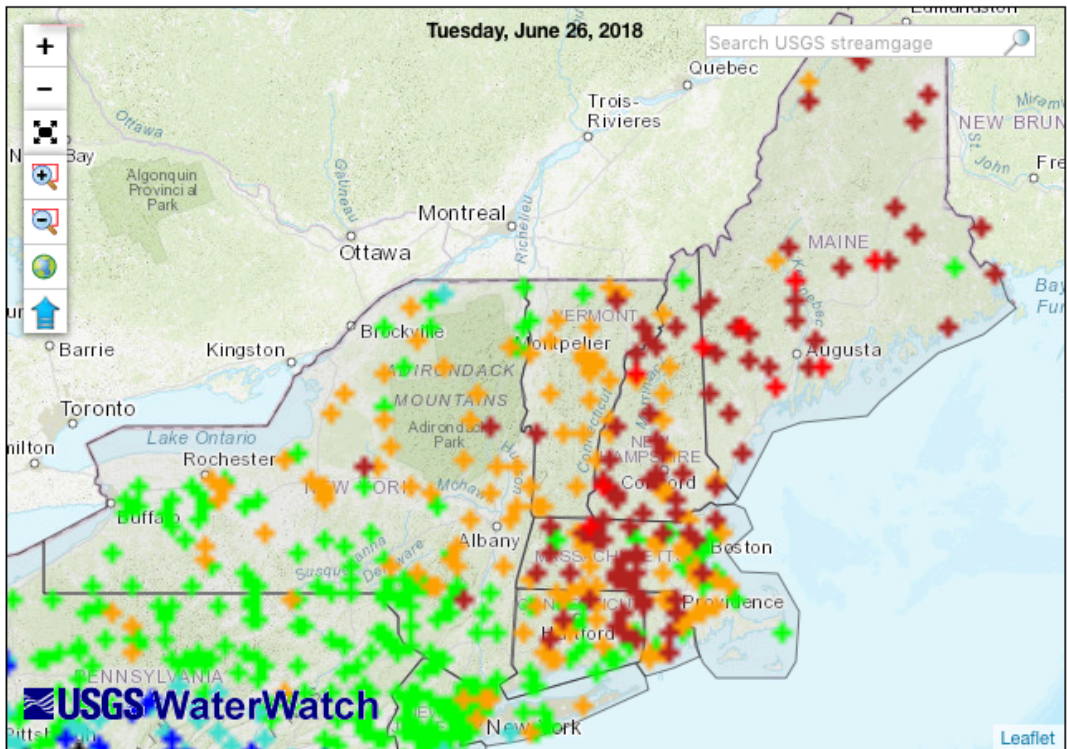
# 60 Day SPI 4/28/2018 - 6/26/2018



# 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



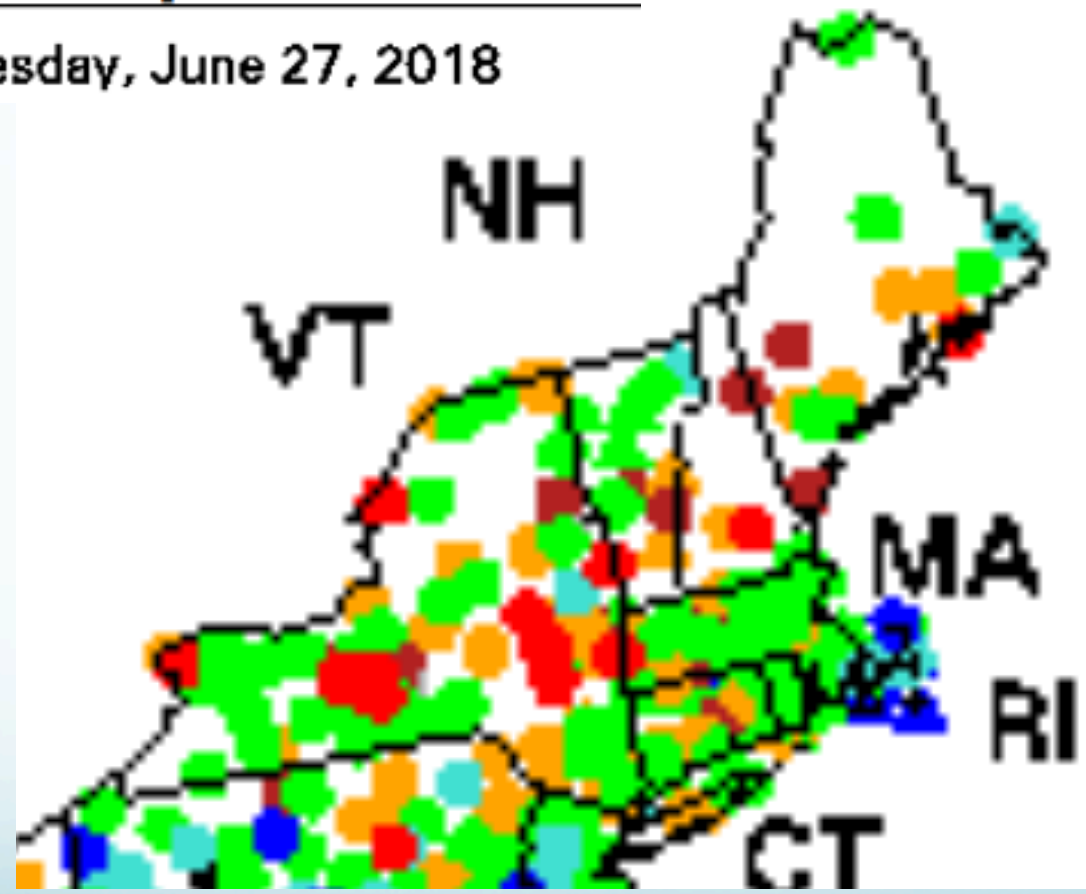
**Explanation - Percentile classes**

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



# Climate Response Network

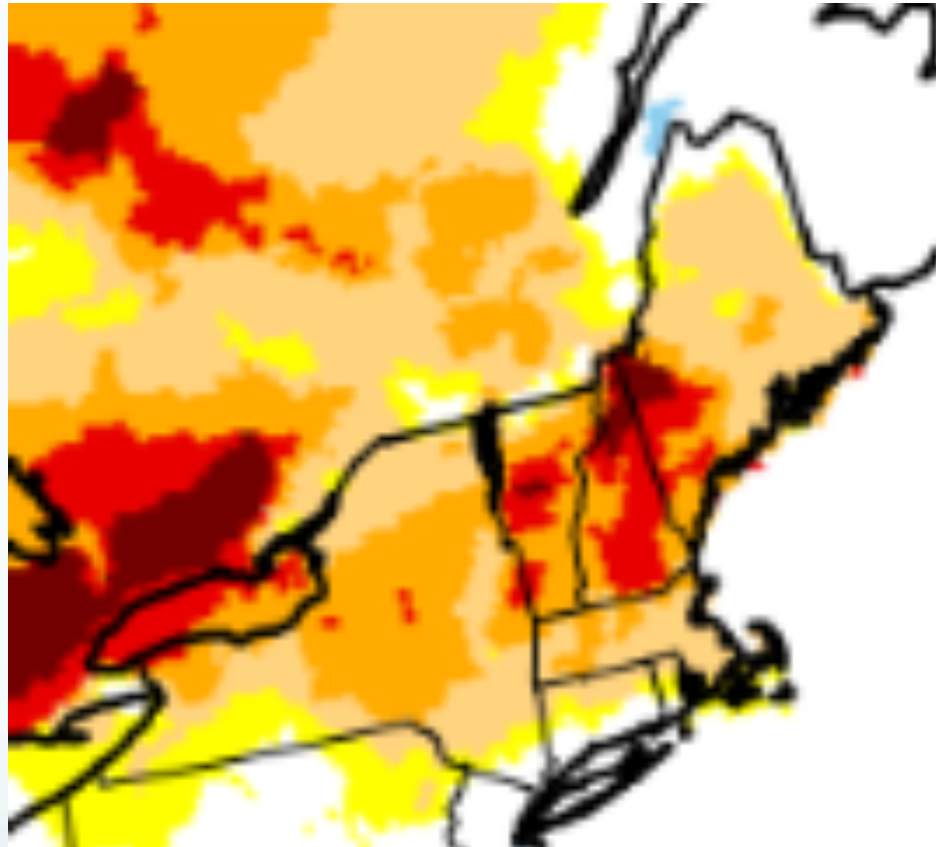
Wednesday, June 27, 2018



Explanation - Percentile classes (symbol color based on most recent measurement)									
									Real Time
	<10	10-24	25-75	76-90	>90				Continuous
Low	Much Below Normal	Below Normal	Normal	Above Normal	Much Above Normal		High	Not Ranked	Periodic Measurements

# EDDI Evaporative Demand Drought Index

1-month EDDI categories for June 22, 2018



Drought categories



100% 98% 95% 90% 80% 70%

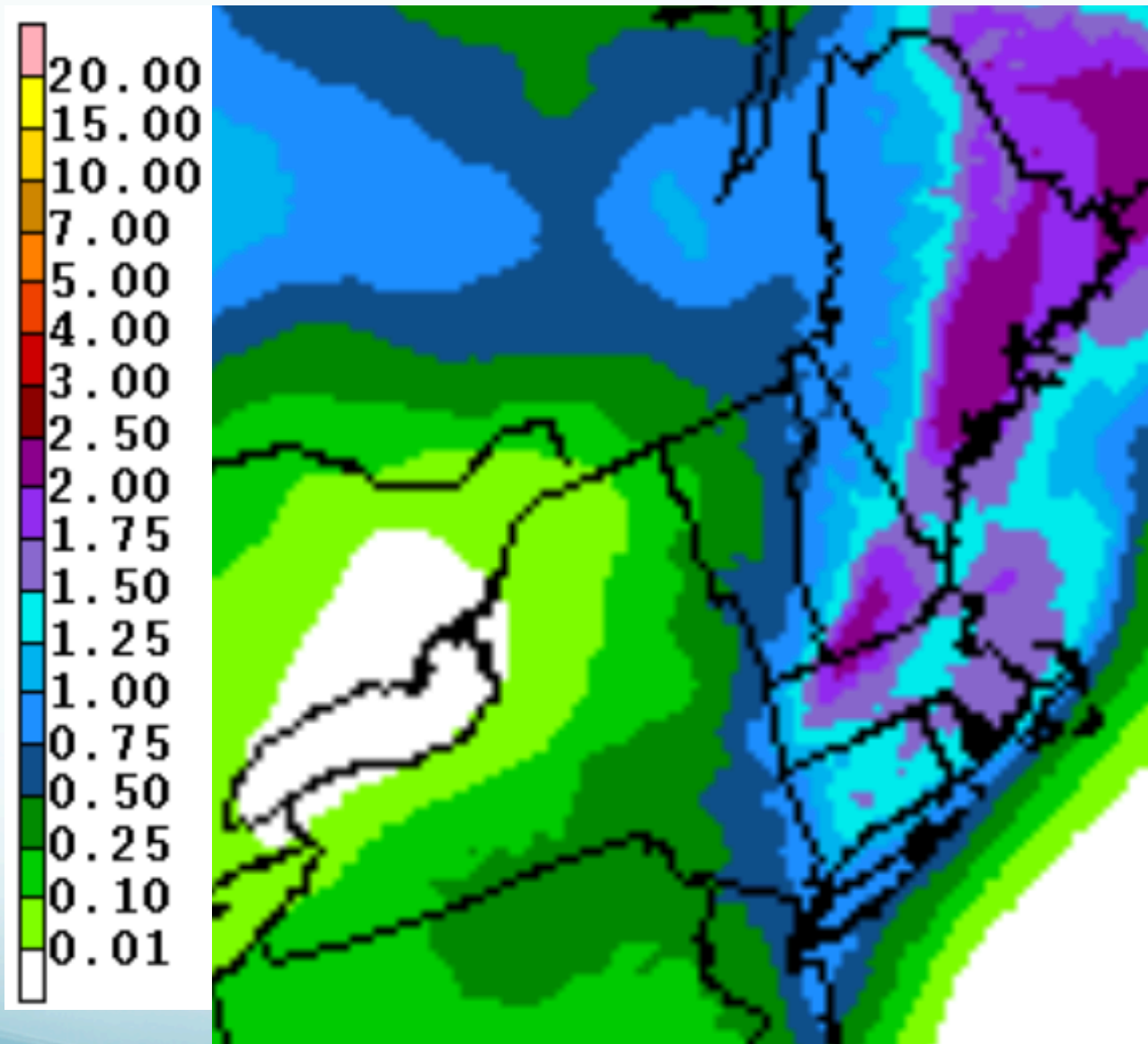
Wetness categories



30% 20% 10% 5% 2% 0%

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

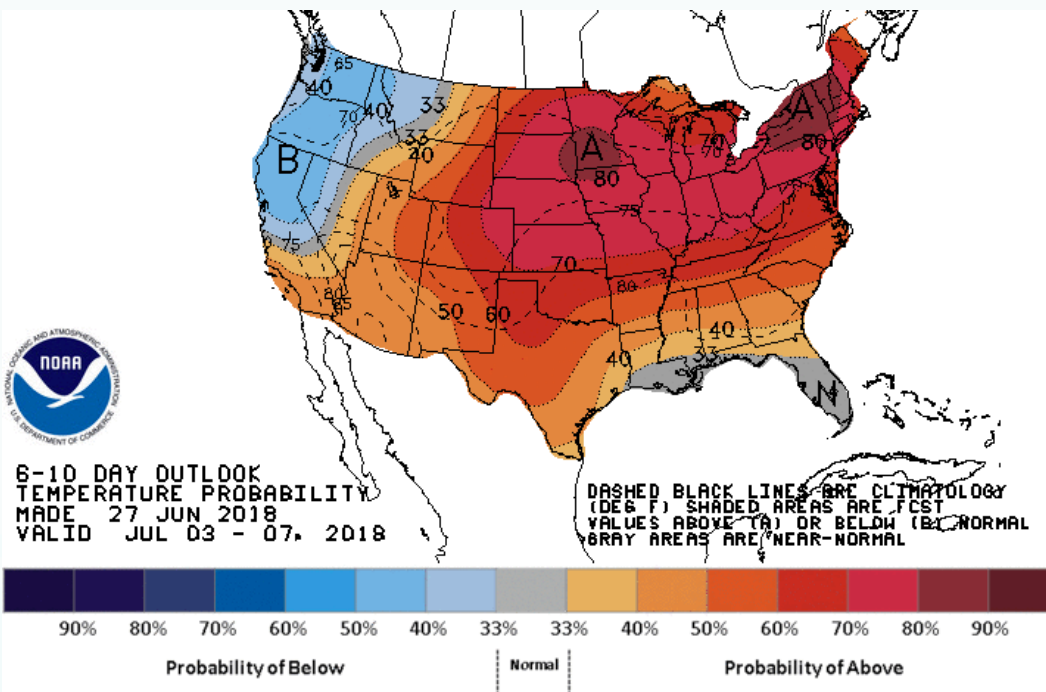




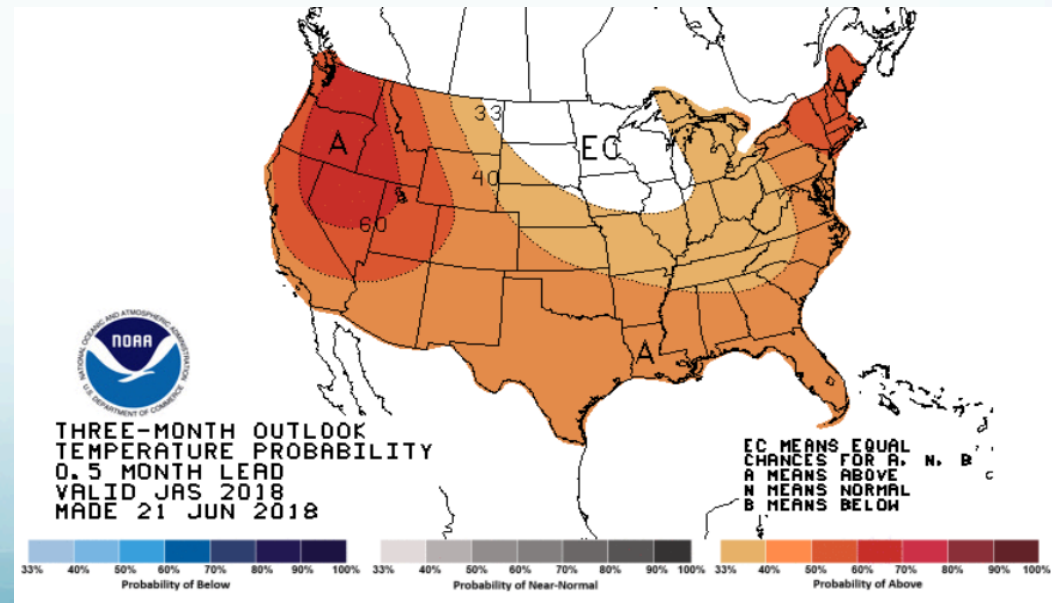
# Temperature Outlooks

July 3 – July 7

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



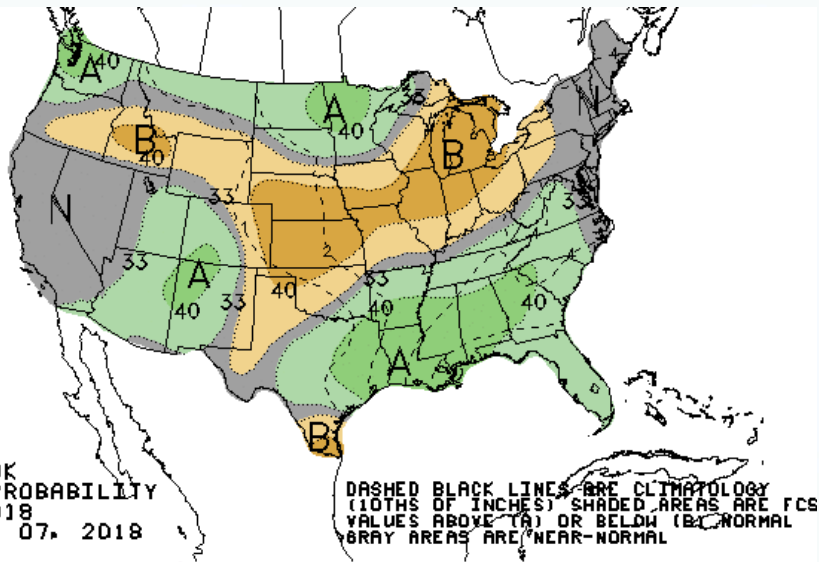
July– September:  
Increased chances of above-normal temperatures for the Northeast, particularly for New England (right).



# Precipitation Outlooks

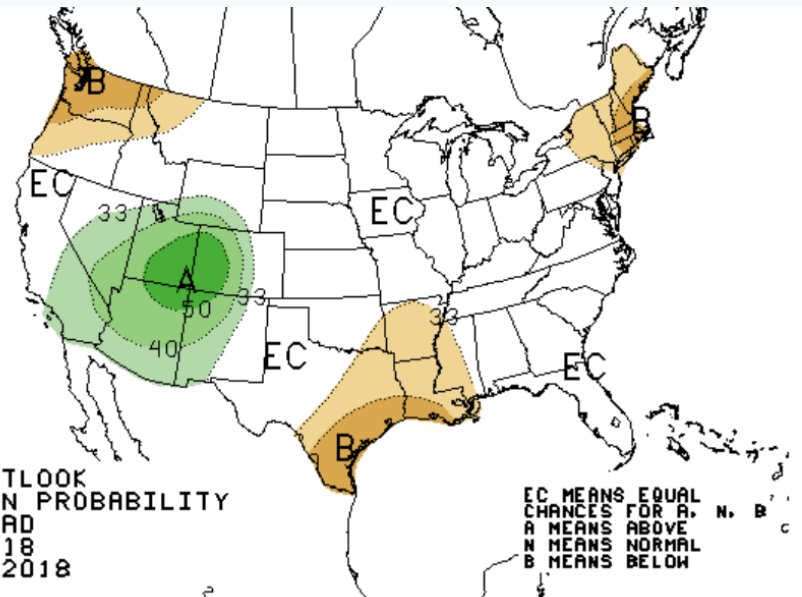
July 3 – July 7:

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 slow burn  
hay ground stress rain  
restrictions  
conserve streamflow  
trees evaporation  
moisture curling  
water



Other Impacts not reflected here?

Please email us! [NRCC@CORNELL.EDU](mailto:NRCC@CORNELL.EDU)

# Contact Information

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