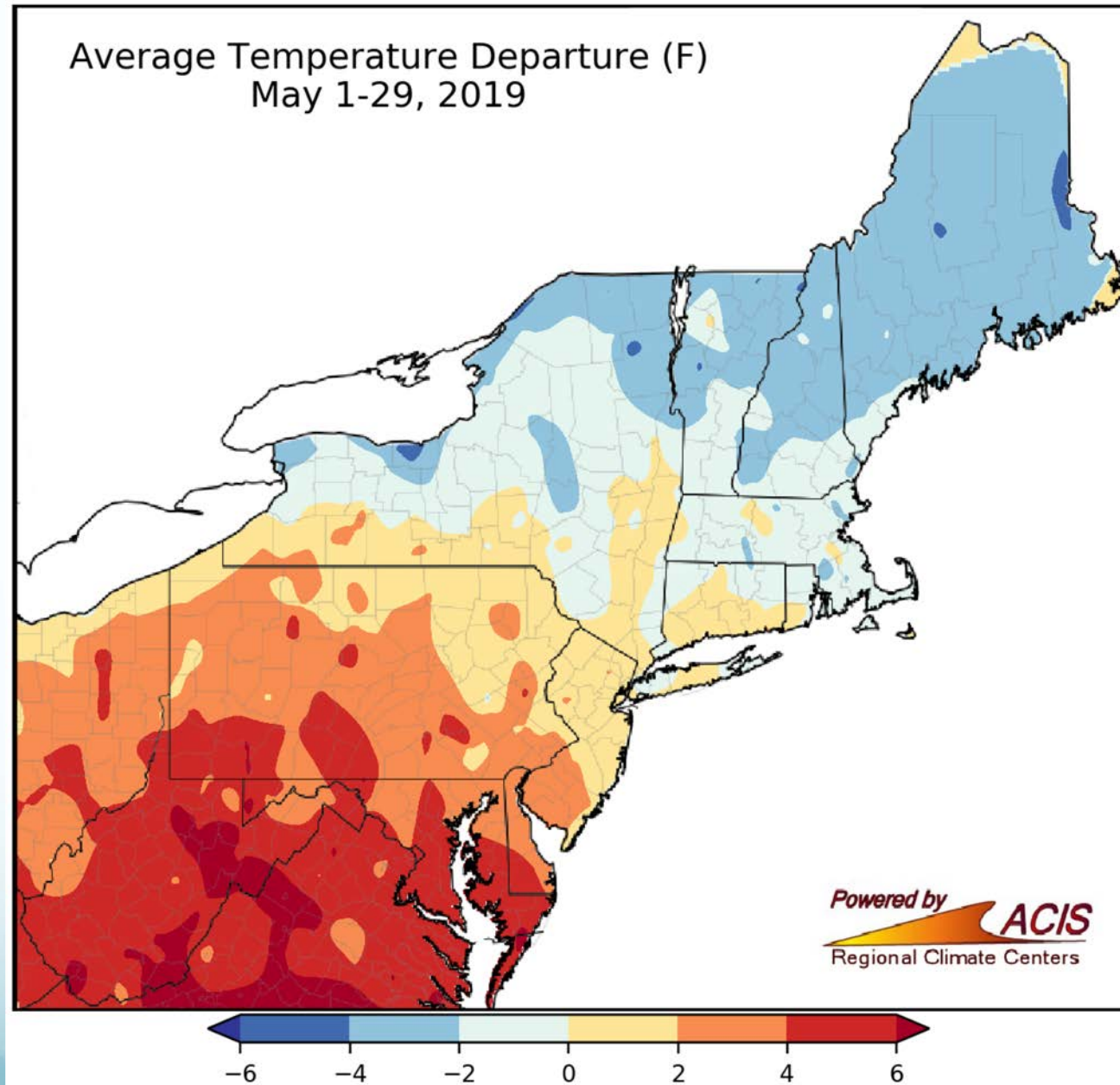


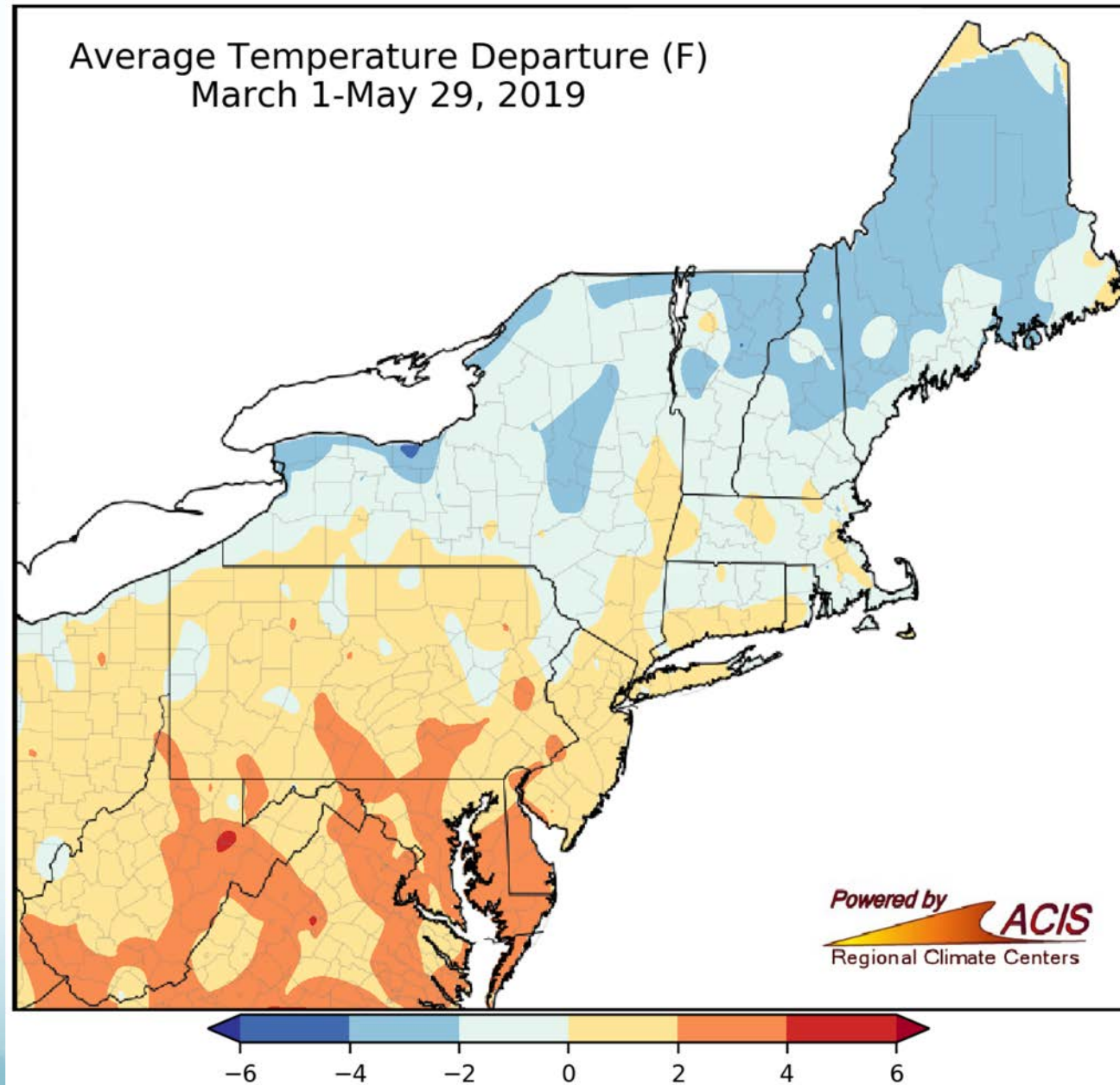


# May Temperatures



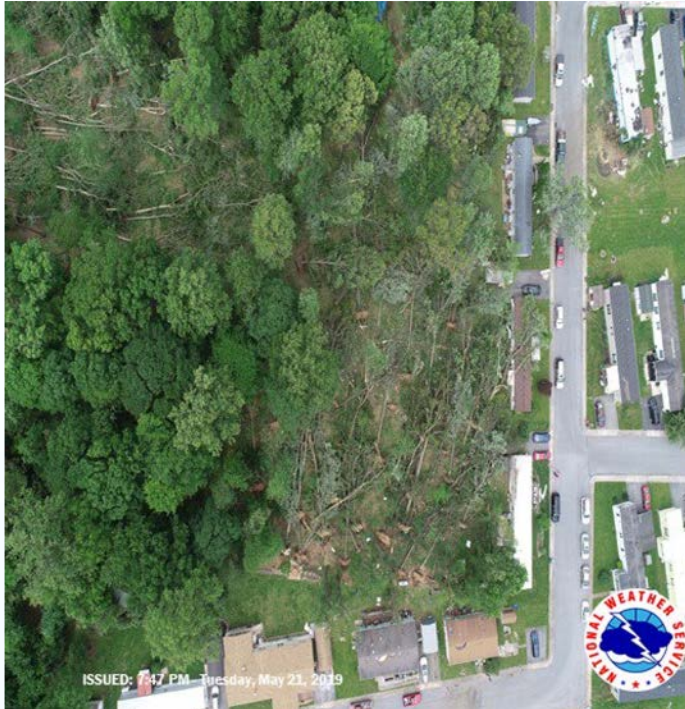
From 4°F below normal to more than 6°F above normal

# Spring Temperatures



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

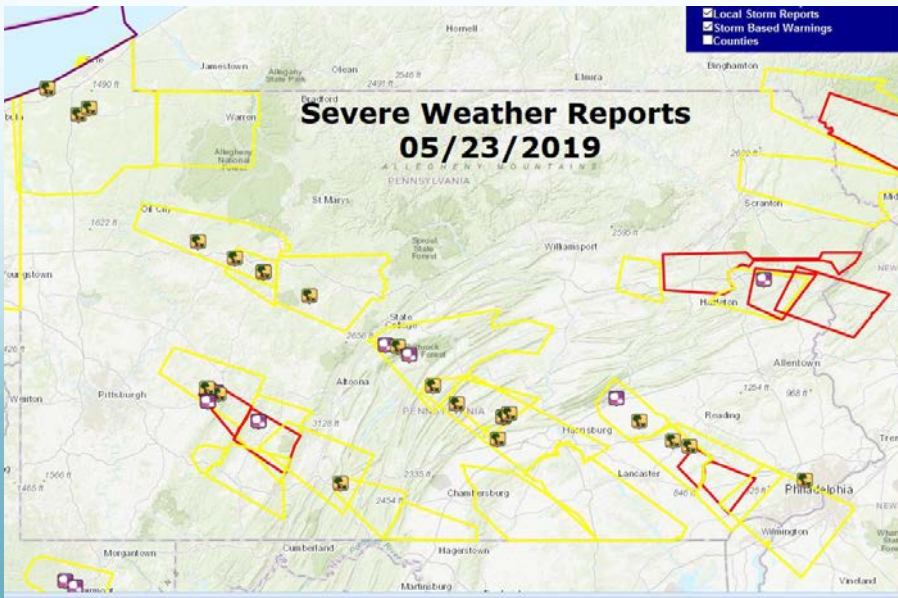
# May Severe Weather



Images courtesy of NWS State College

## May tornadoes:

- Pennsylvania –
  - 3 EF-0s, 5 EF-1s, an EF-2 & others possible
- Maryland –
  - An EF-1
- New Jersey –
  - An EF-1



## Pennsylvania tornadoes:

- 24 tornadoes this year – Annual average is 15
  - 1 in January
    - average is 0
  - 14 in April
    - average is 2
  - 9 in May
    - average is 3

# May Severe Weather



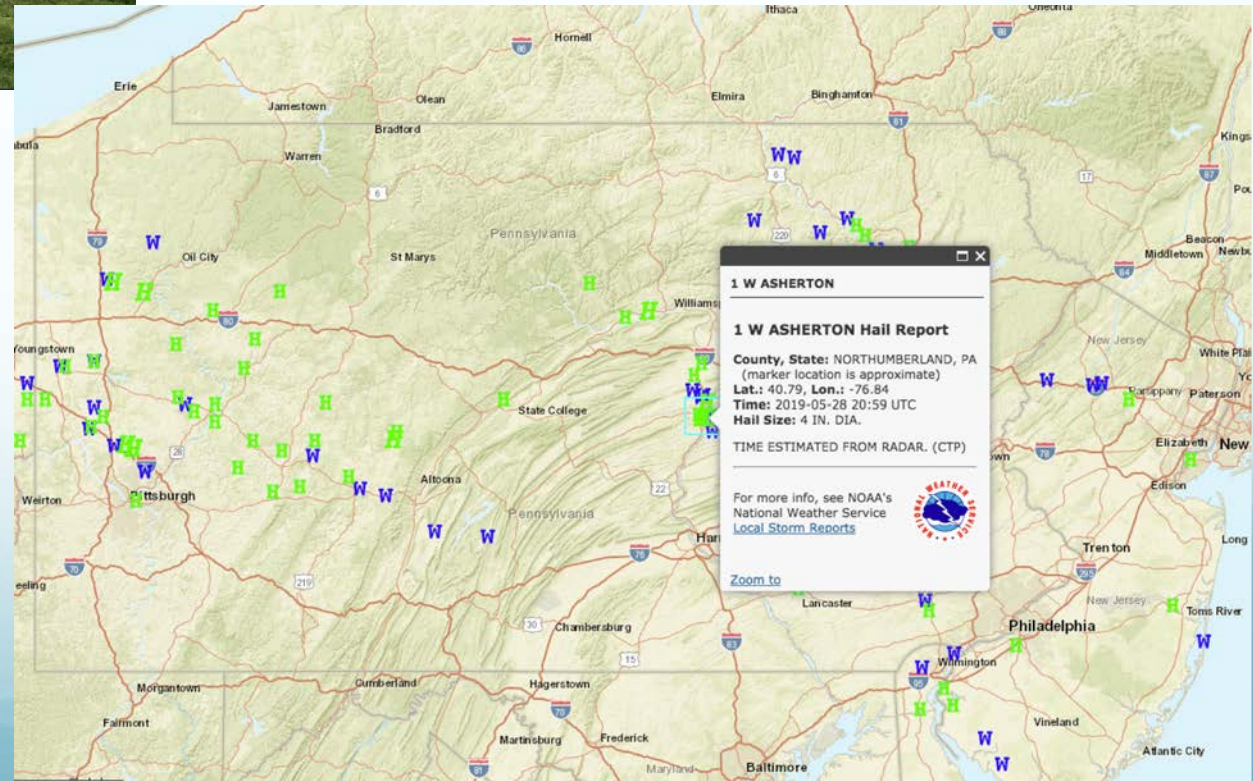
Straight-line (non-tornadic) winds:

- Damage can be similar to tornadoes

Large hail:

- 4" hail (softball-sized) in Pennsylvania
  - Only 5<sup>th</sup> time for 4+ " hail in state
- 3" hail (baseball-sized) in West Virginia

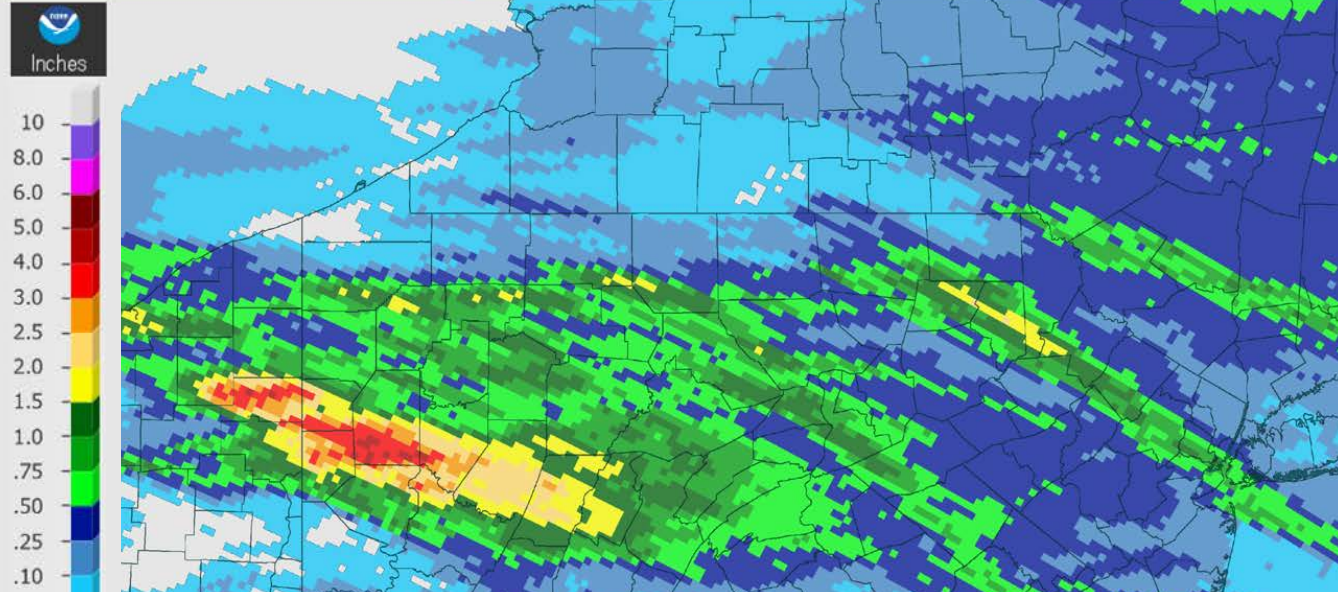
Photos courtesy of NWS Charleston  
Map courtesy of NOAA



# May Severe Weather

## May 29, 2019 1-Day Observed Precipitation

Created on: May 29, 2019 - 14:57 UTC  
Valid on: May 29, 2019 12:00 UTC



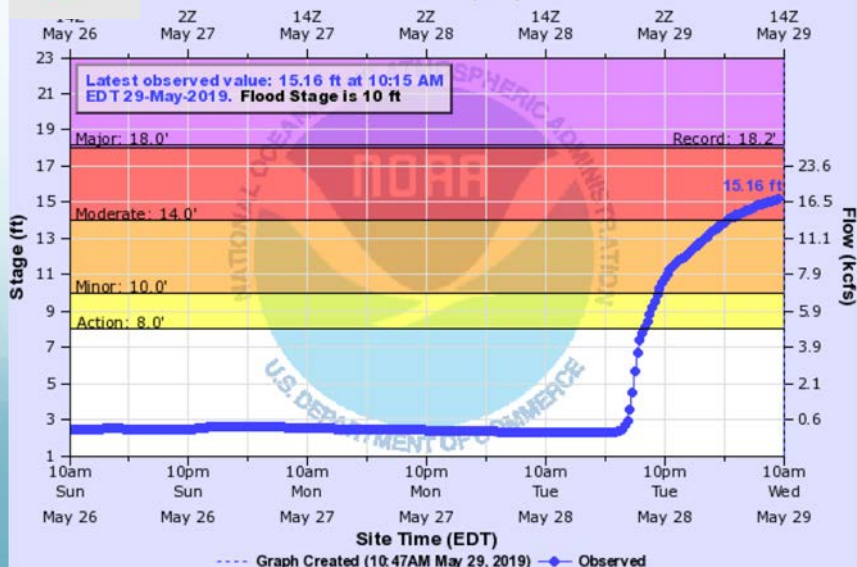
## Heavy rain:

- 2-5" in a few hours in Pennsylvania
- Flash flooding

Images courtesy of NOAA

### CONNOQUESSING CREEK AT ZELIENOPLE

Universal Time (UTC)

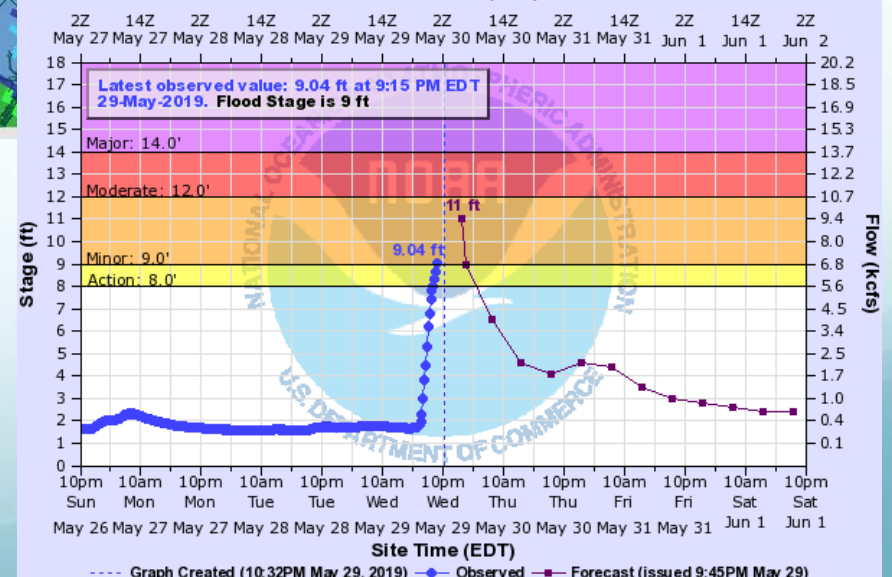


ZLPP1(plotting HGIRG) "Gage 0" Datum: 852.31'

Observations courtesy of US Geological Survey

### NESHAMINY CREEK NEAR LANGHORNE

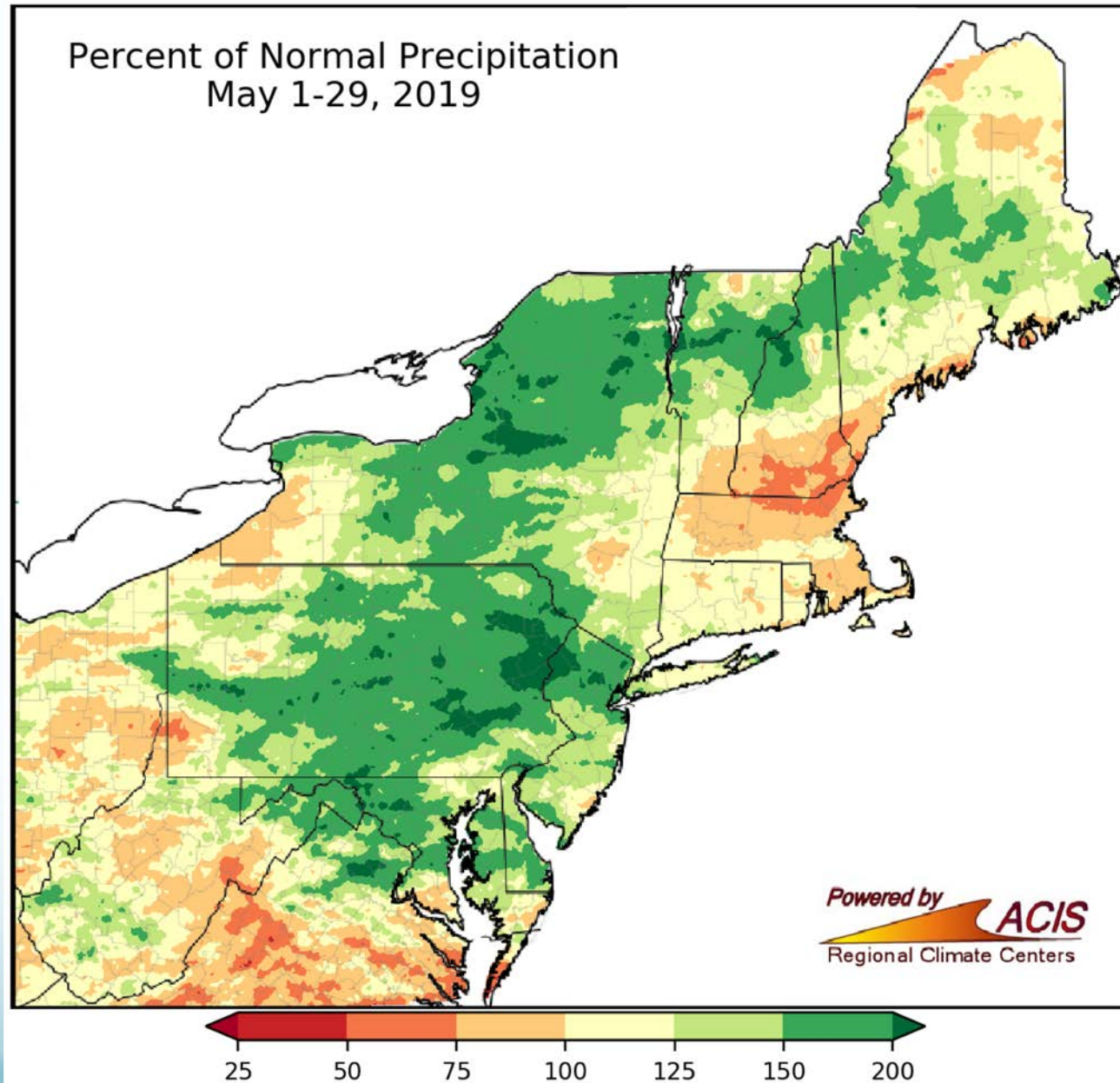
Universal Time (UTC)



NLNGP1(plotting HGIRG) "Gage 0" Datum: 40.57'

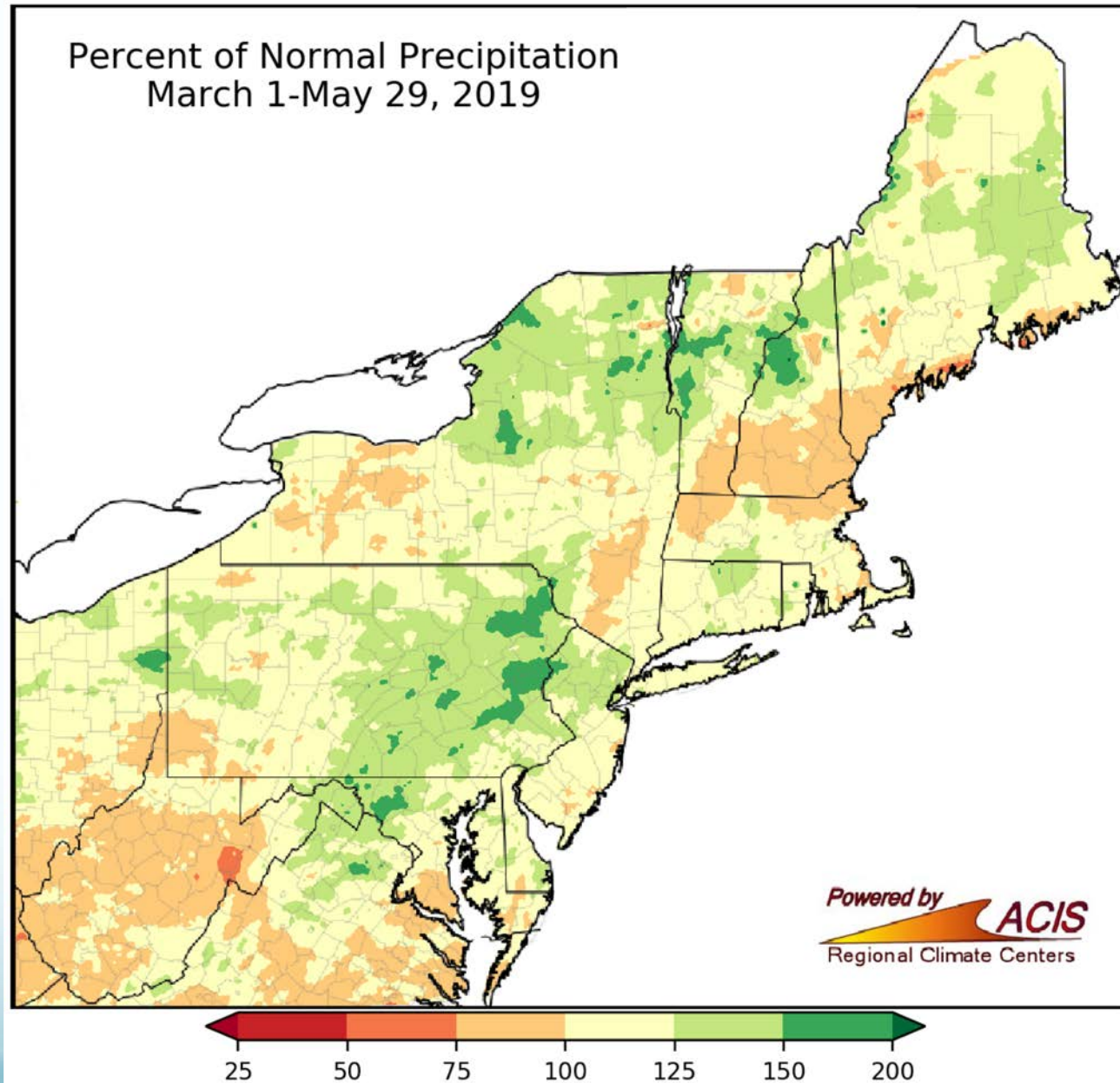
Observations courtesy of US Geological Survey

# May Precipitation



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

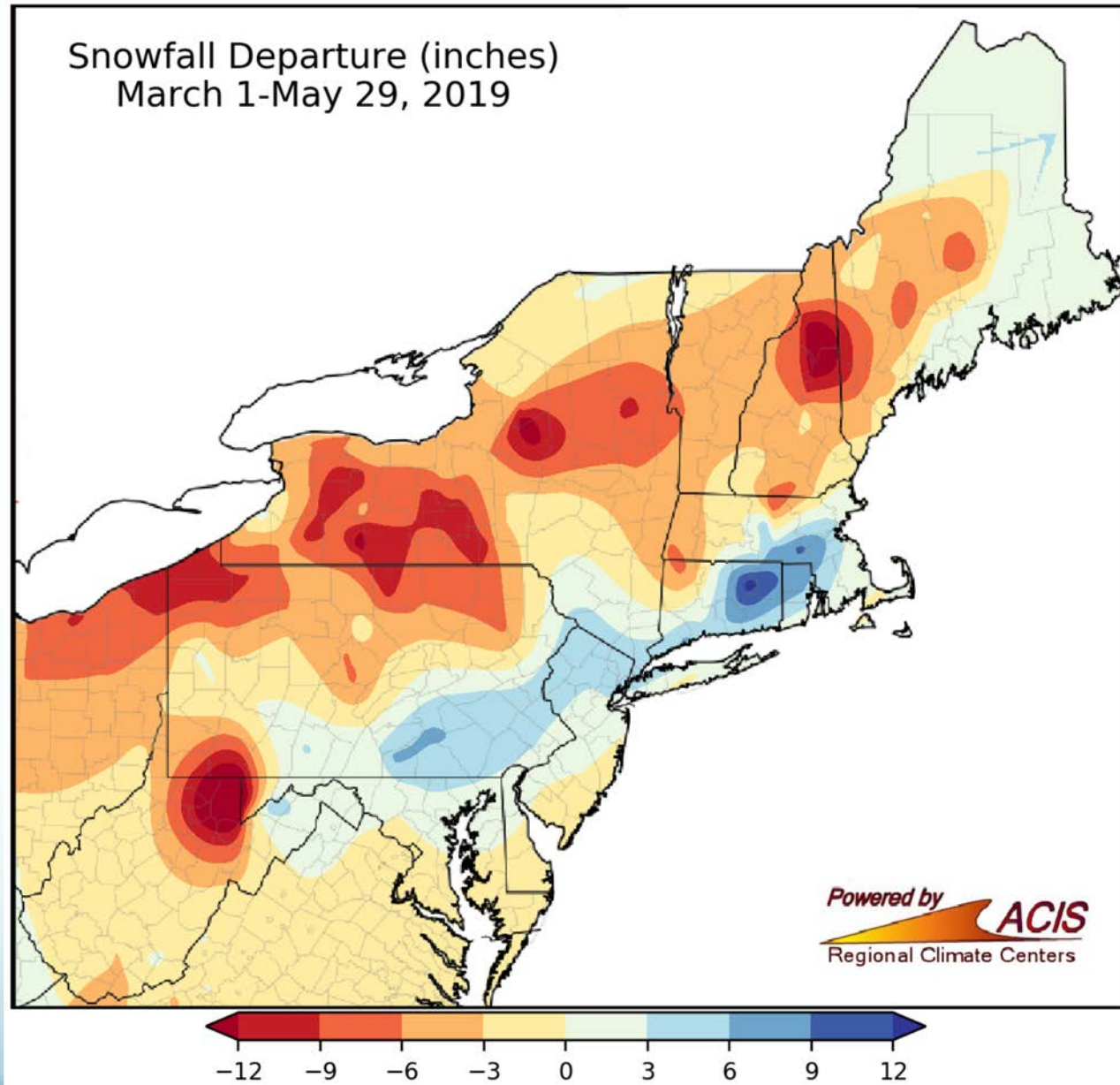
# Spring Precipitation



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

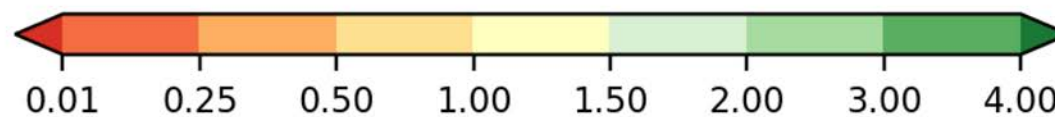
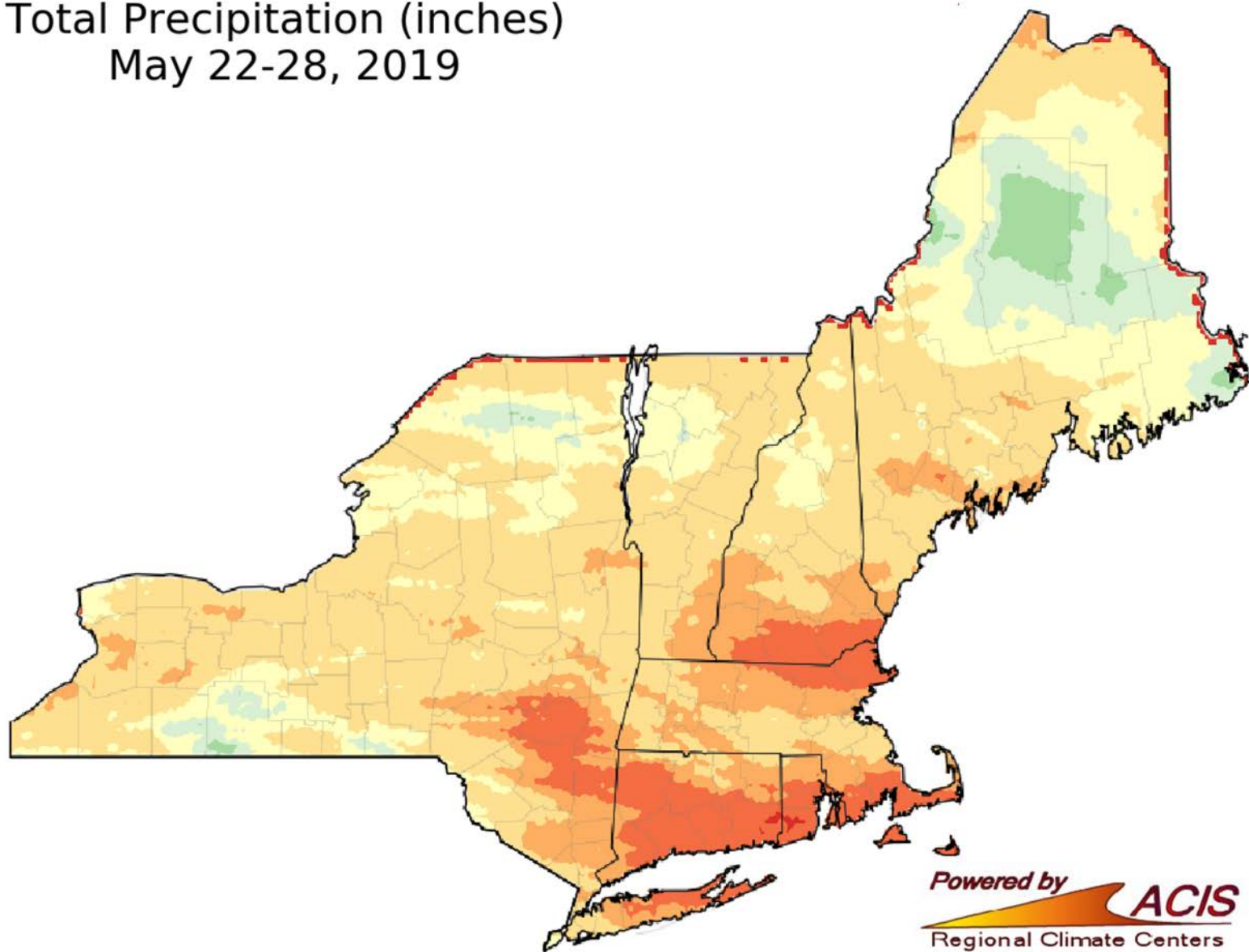


# Spring Snowfall

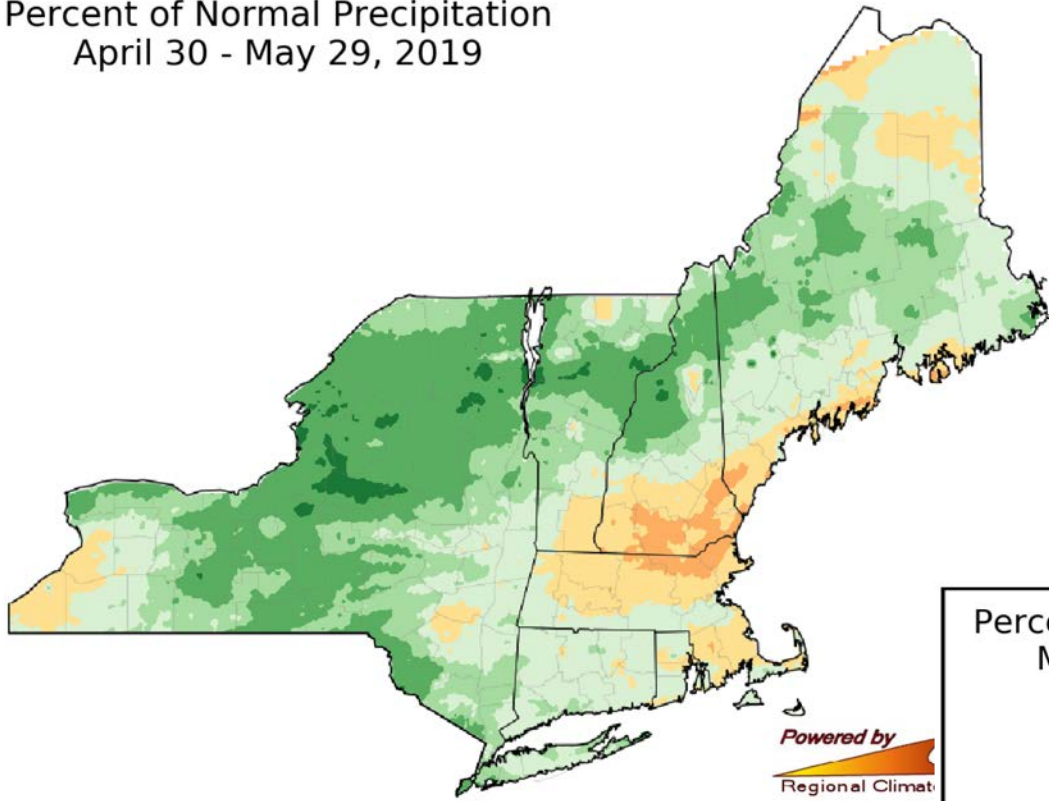


From more than 12" below normal to 12" above normal

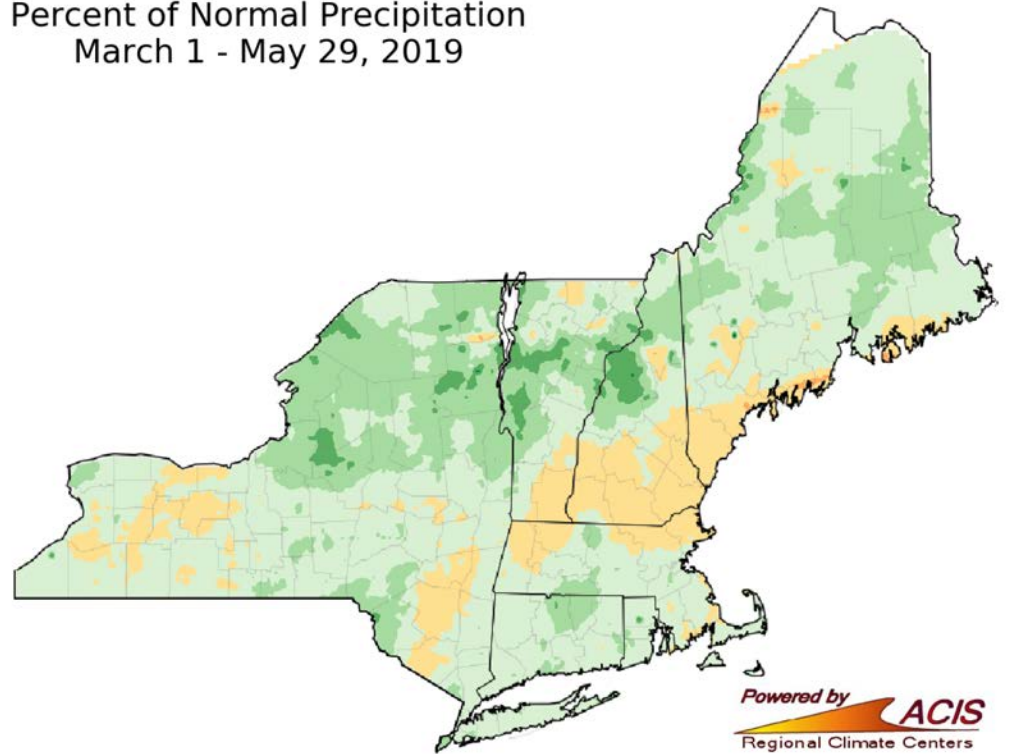
# Total Precipitation (inches) May 22-28, 2019

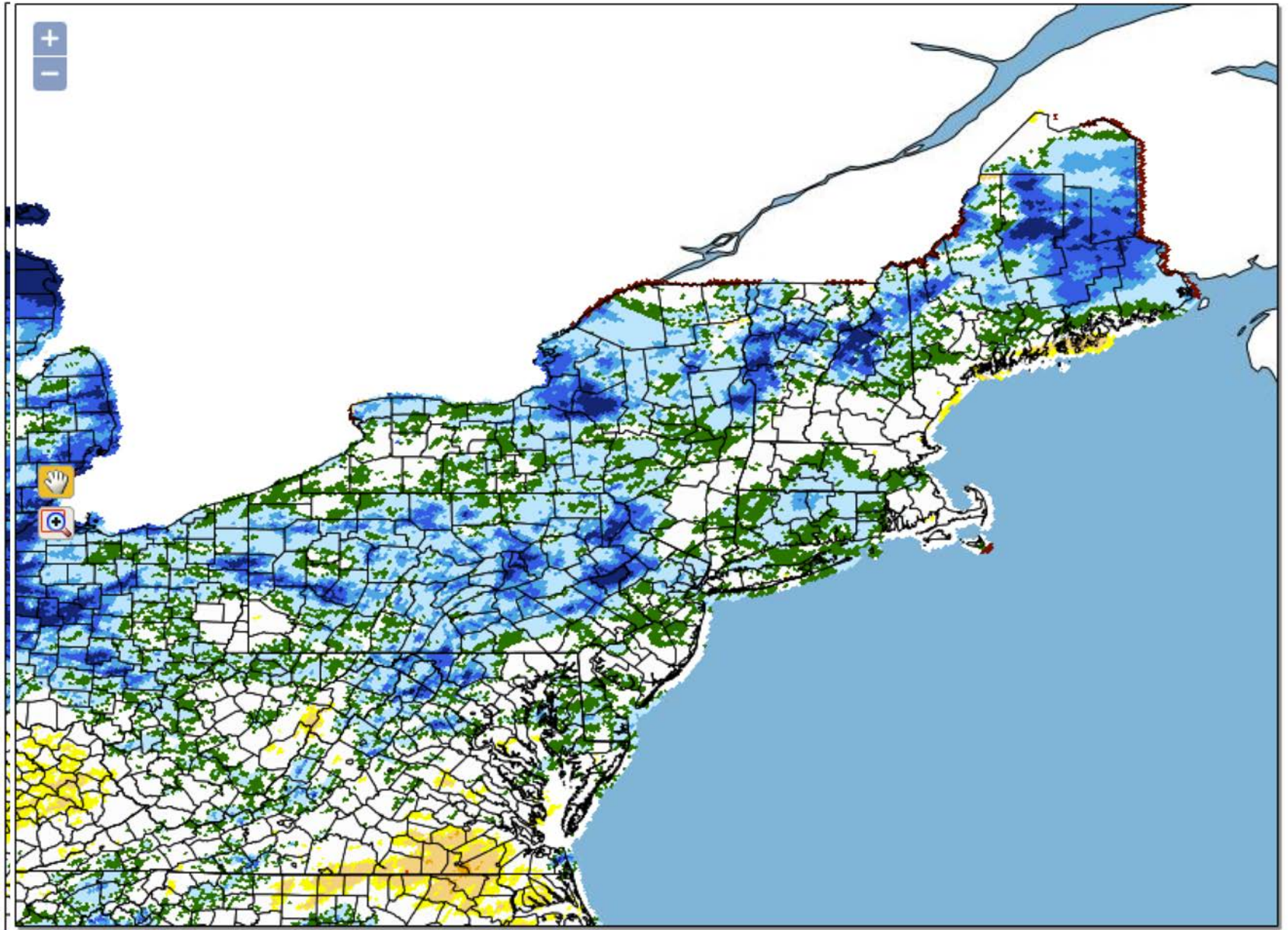


Percent of Normal Precipitation  
April 30 - May 29, 2019



Percent of Normal Precipitation  
March 1 - May 29, 2019





**60 day SPI for May 29, 2019**

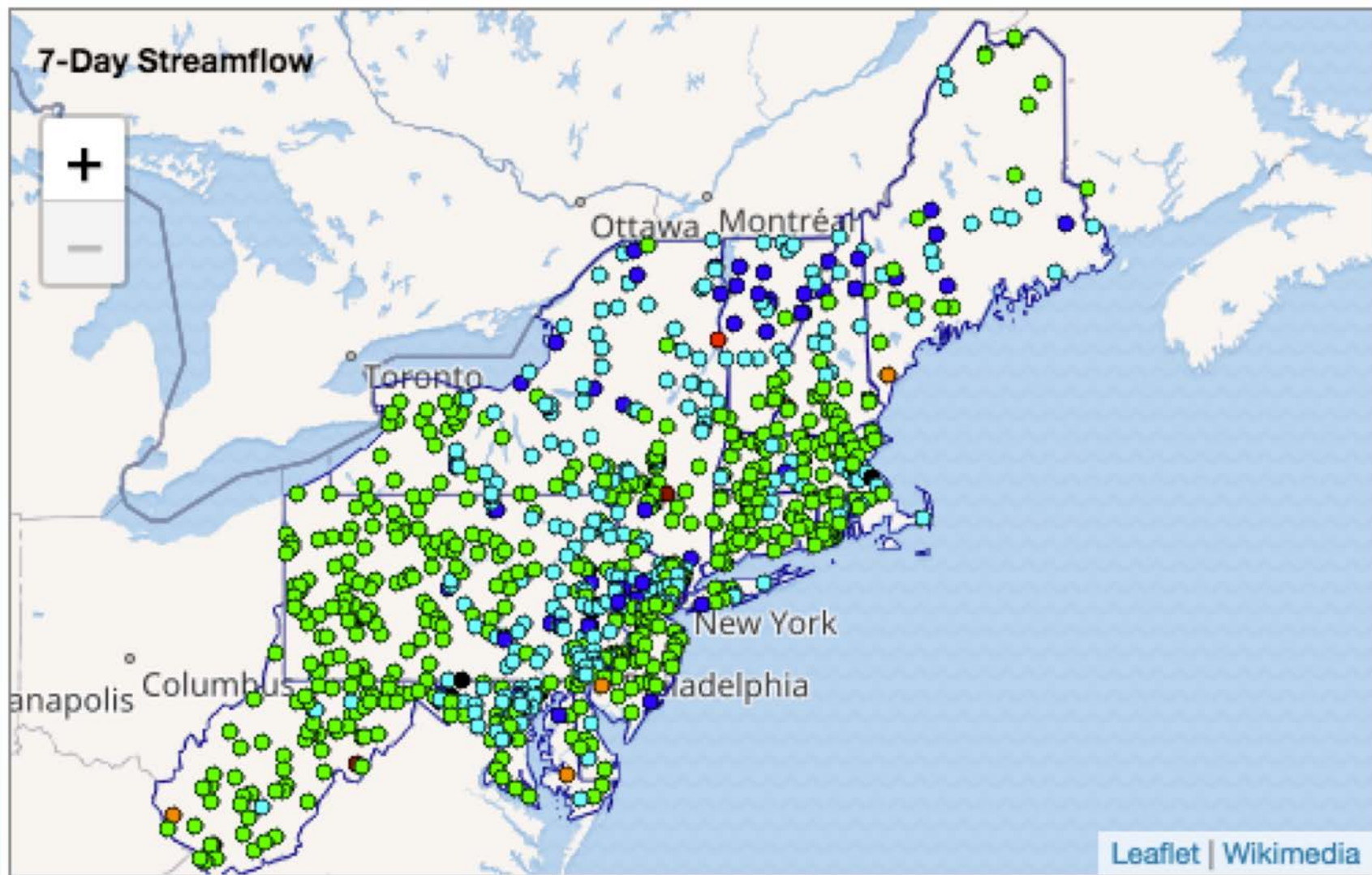


Transparency:



[DOWNLOAD GEOTIFF](#)



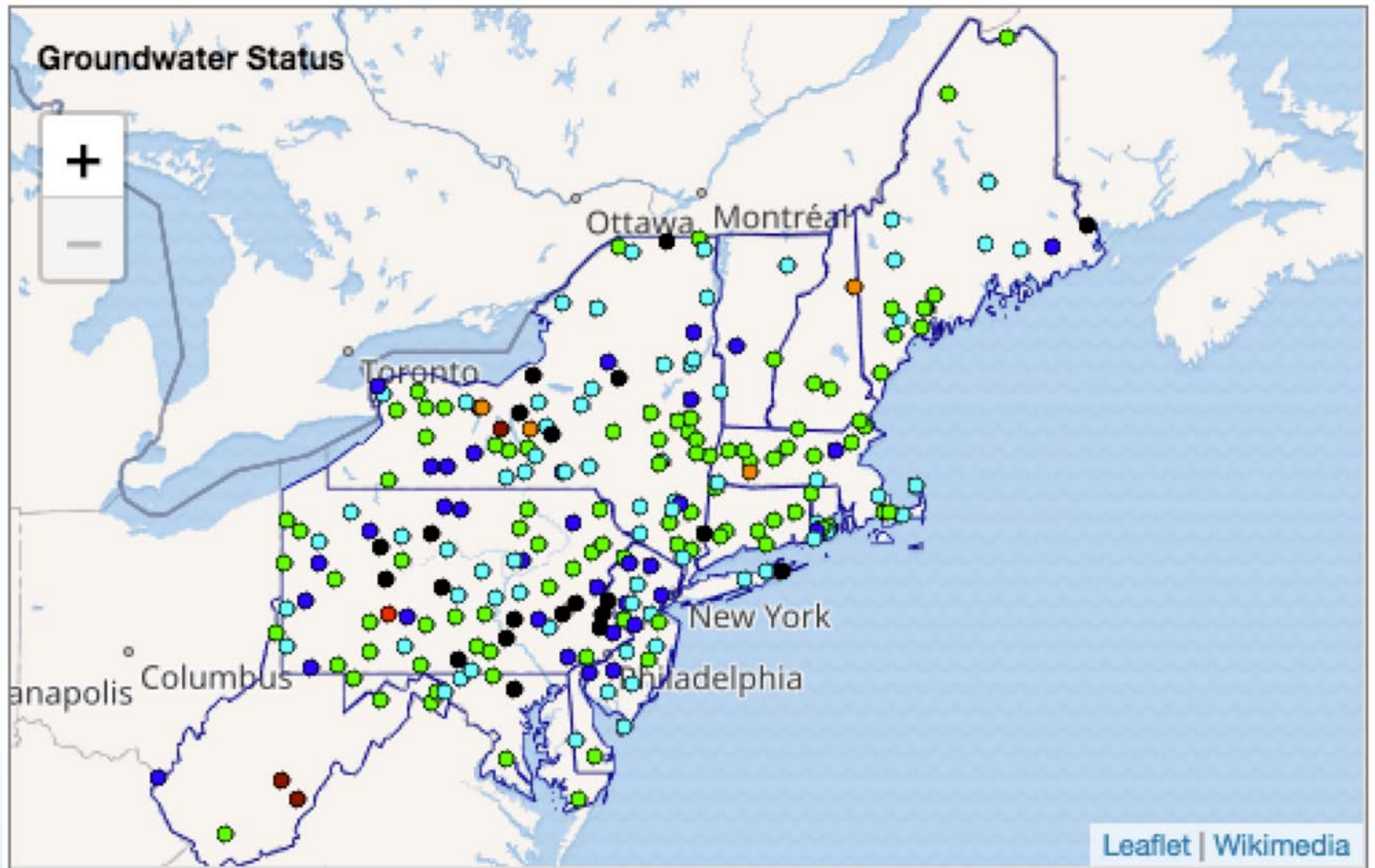


**Explanation - Percentile Classes**

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

Data provided by [USGS WaterWatch - Streamflow](#).





**Explanation - Percentile Classes**

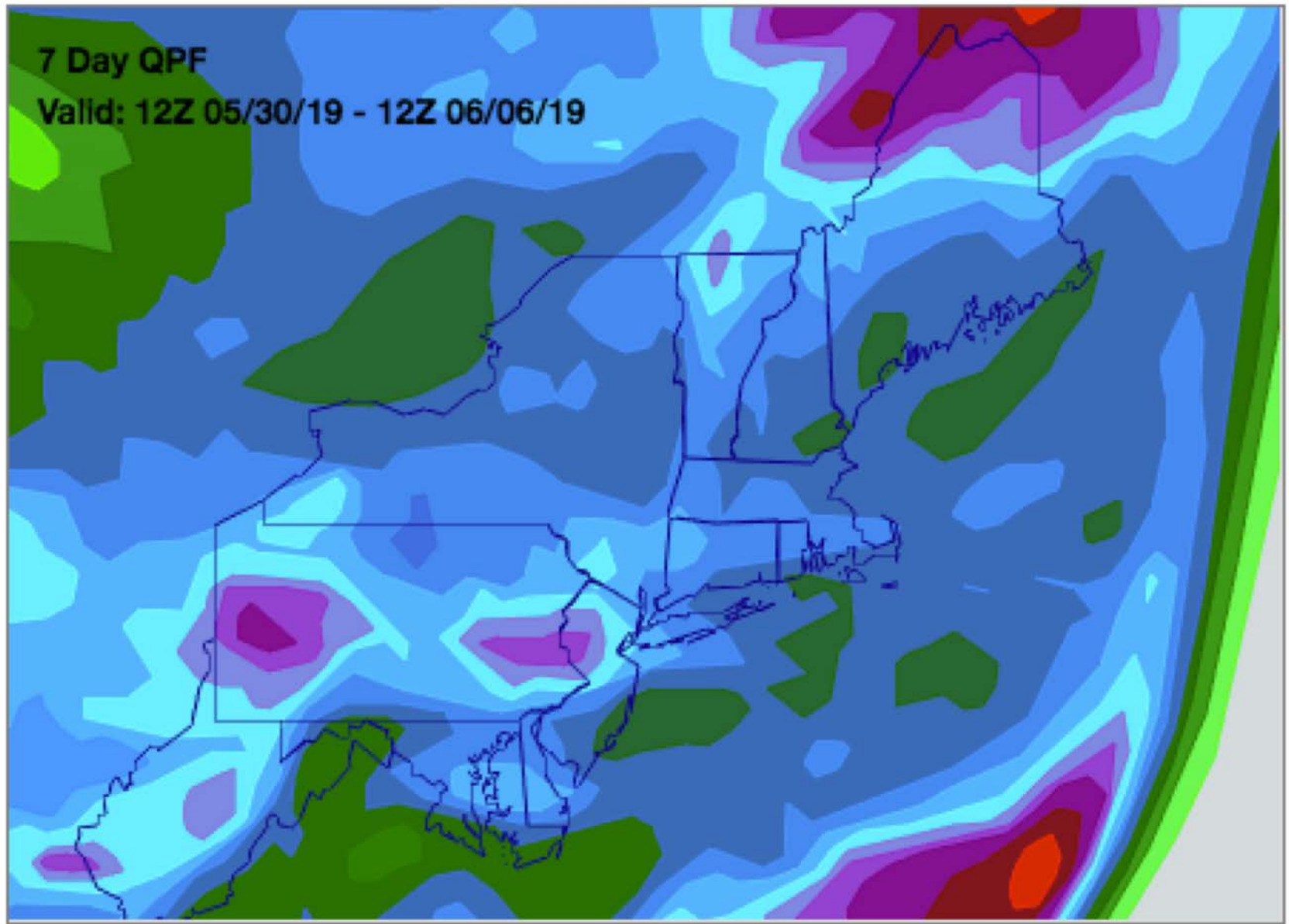
|     |                   |              |        |              |                   |      |  |
|-----|-------------------|--------------|--------|--------------|-------------------|------|--|
|     |                   |              |        |              |                   |      |  |
| Low | Much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

Data provided by [USGS Groundwater Watch](#) - [Climate Response Network](#).

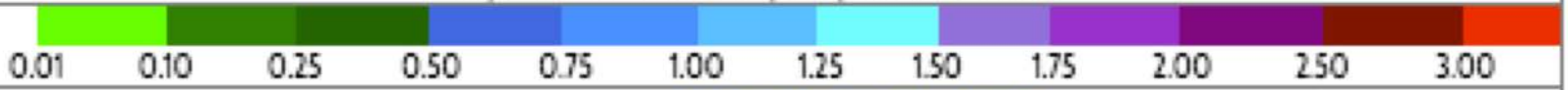


**7 Day QPF**

**Valid: 12Z 05/30/19 - 12Z 06/06/19**



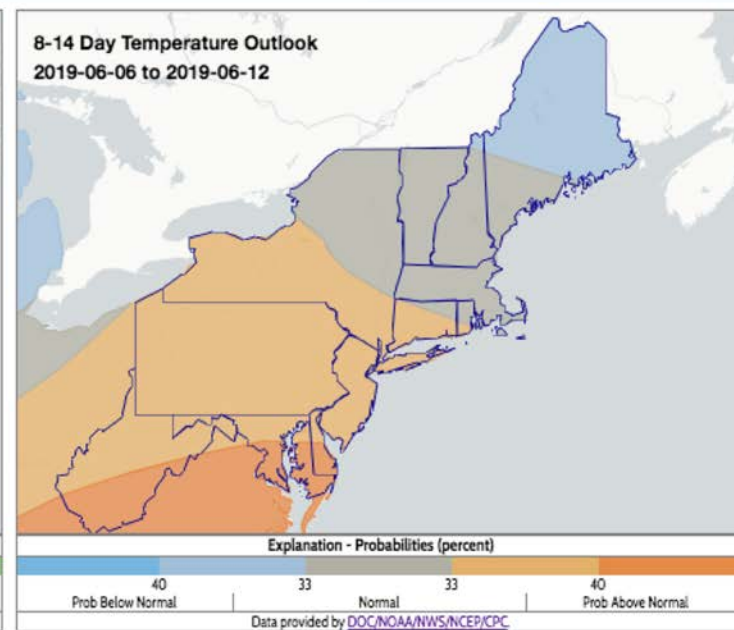
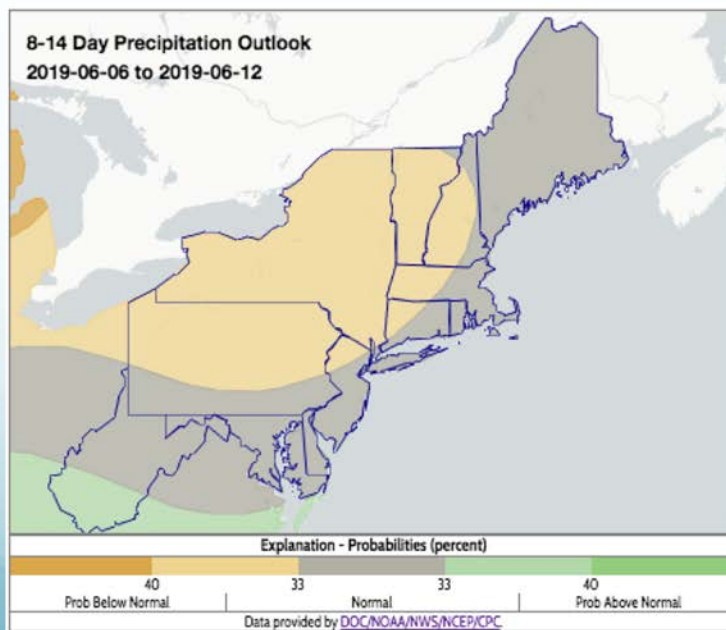
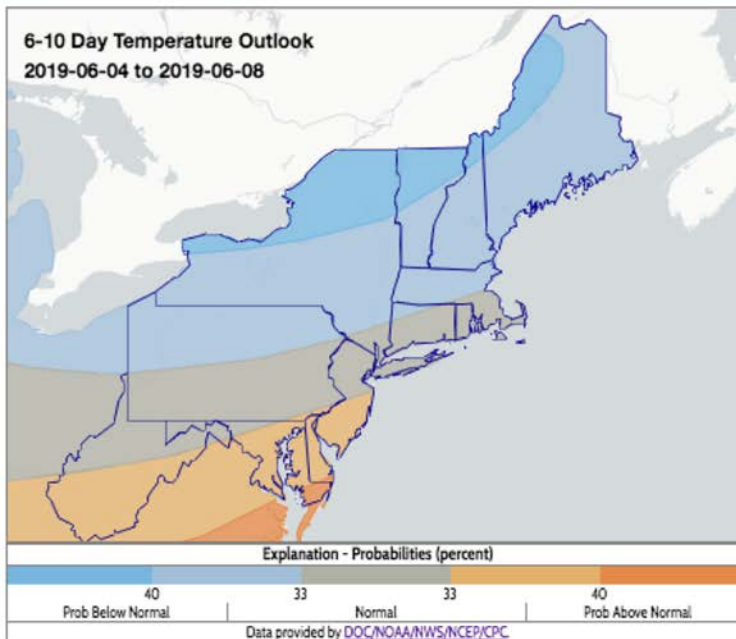
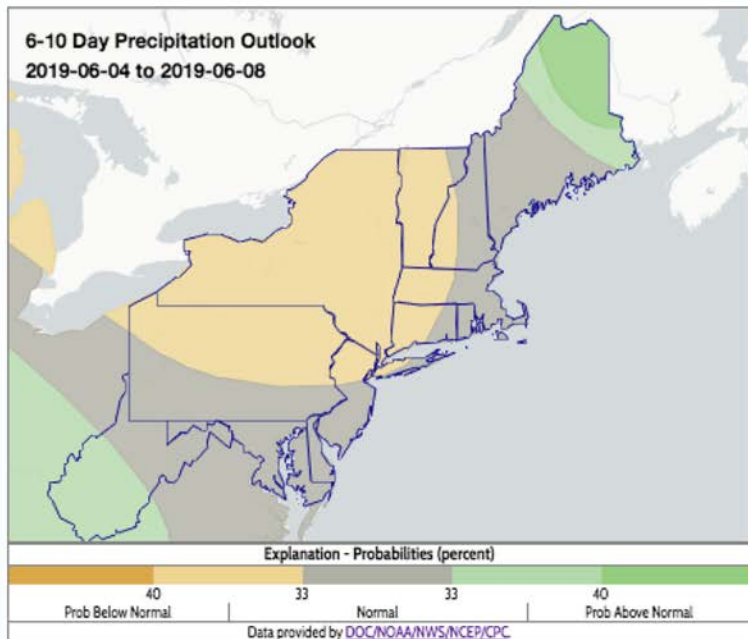
**Explanation - Forecast precipitation (inches)**



Data provided by [DOC/NOAA/NWS/NCEP/WPC](#).

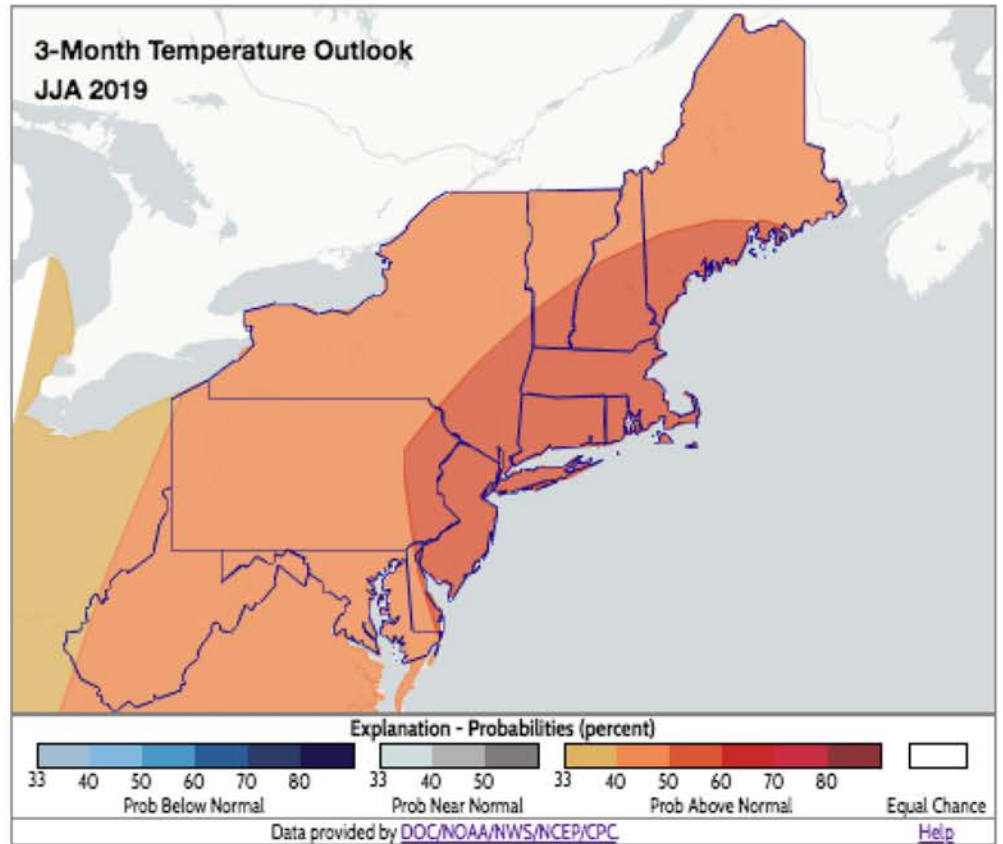
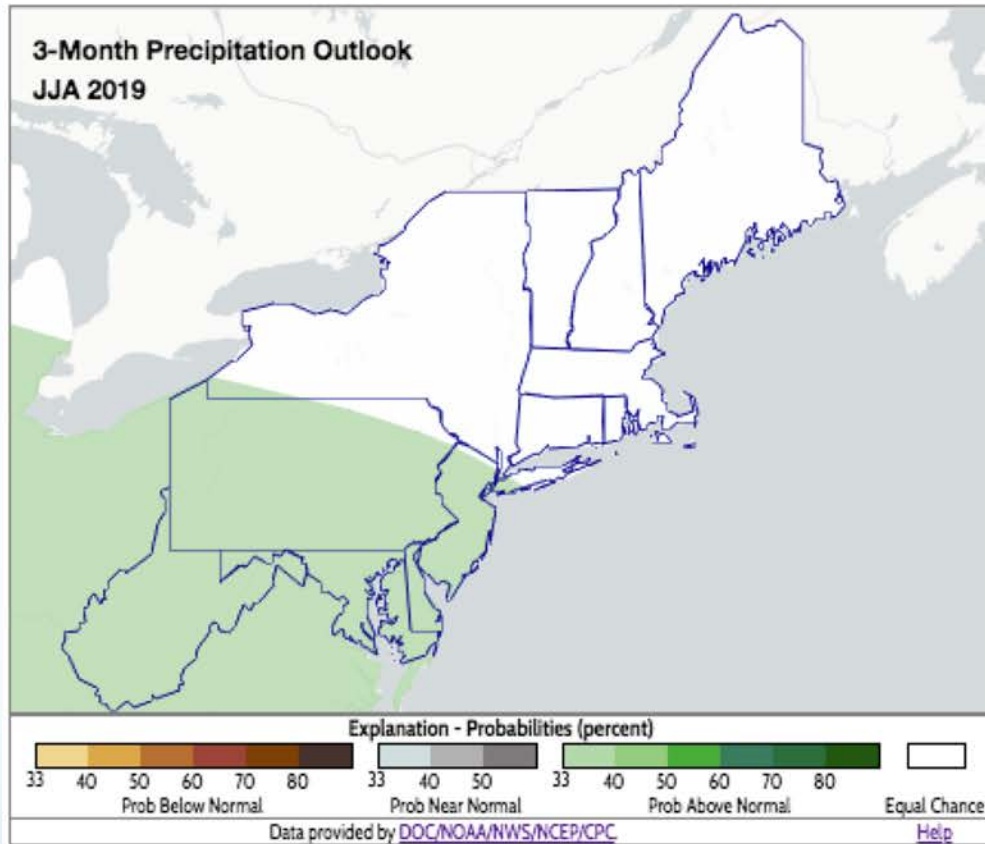


# Short-term Outlooks





# Summer Outlook



# Contact Information

- [nrcc@cornell.edu](mailto:nrcc@cornell.edu)
- 607-255-1751

## Upcoming Webinars

- Thursday, June 27 at 9:30 am
  - TBD
- Tuesday, July 30 at 9:30 am
  - TBD
- Thursday, August 29 at 9:30 am
  - Updated Hurricane Outlook

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