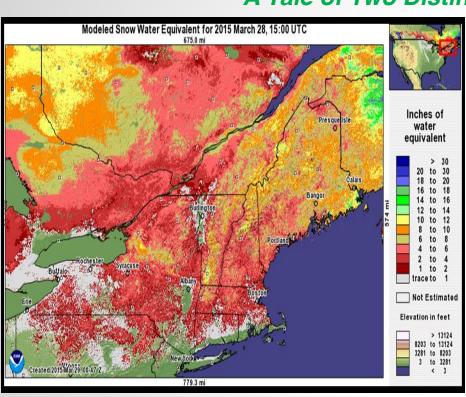
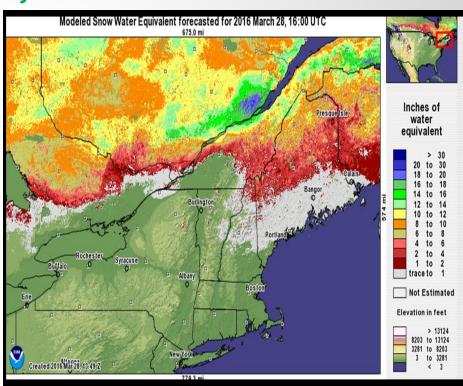


Northeast River Forecast Center's Spring Flood Outlook



A Tale of Two Distinctly Different Winters!





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Winter Highlights



90-day Precipitation
Wetter North

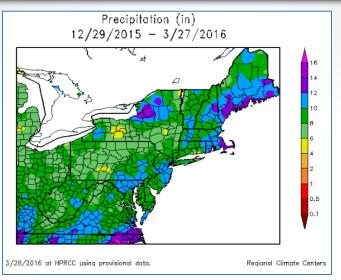
Winter Precipitation

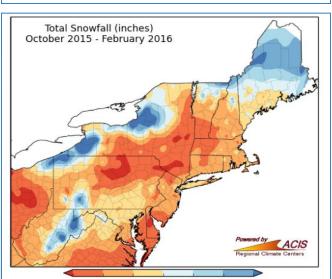
Much Wetter than Fall

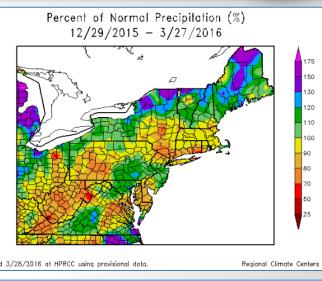
Season Snowfall

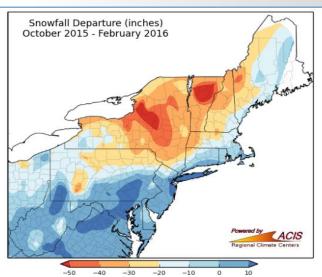
Mainly just below to

Much below normal







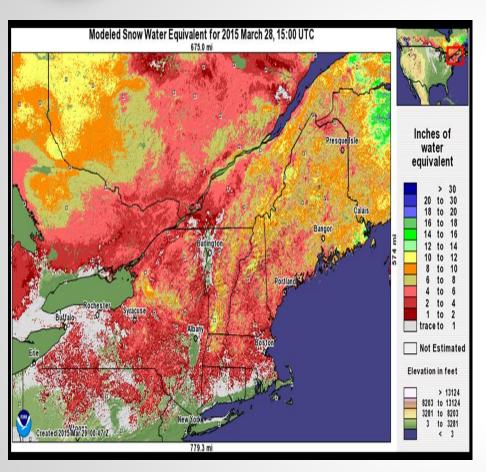


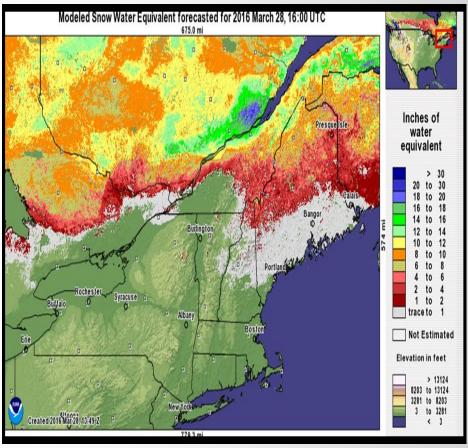




2015 vs. 2016 Snow Water Snow limited to far northern NH & interior ME



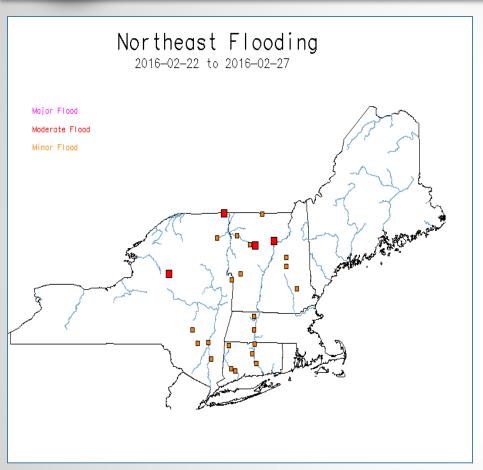




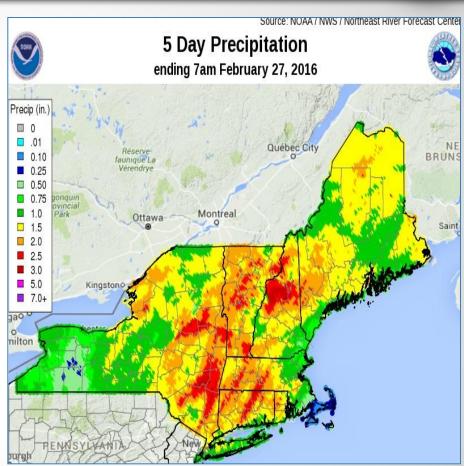


One Widespread Flood Event Feb 22-27 2016





22 locations exceeded flood stage *4 locations experienced ice jams



Widespread 2-3.5 inch rainfall Included a line of severe thunderstorms!

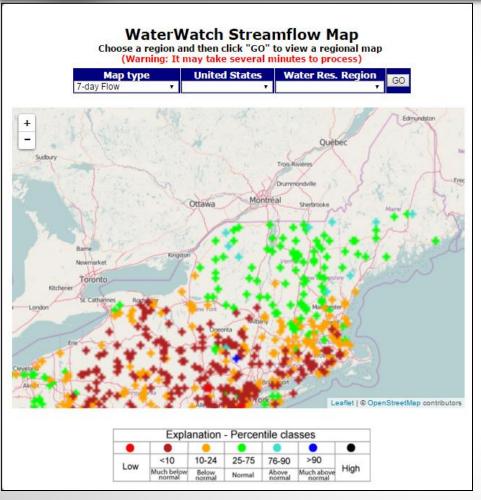


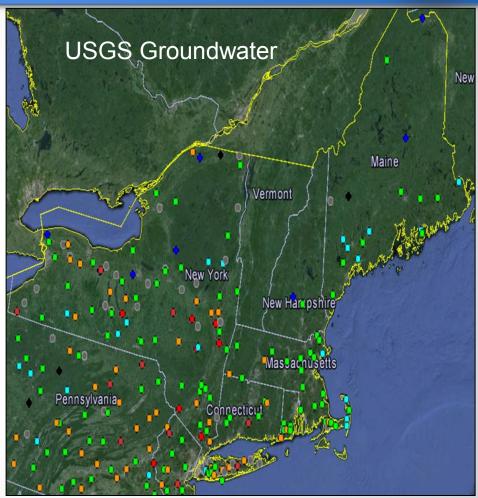


USGS Streamflow Conditions



March 28th, 2016

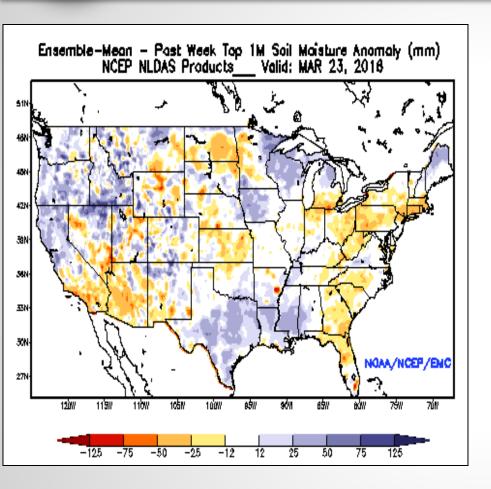


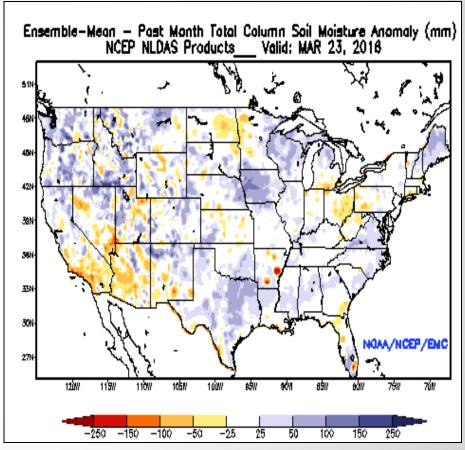




Soil Moisture Current Conditions/Outlooks









Water Supply/Lake Levels



New York City's Water Supply System

March 25, 2016

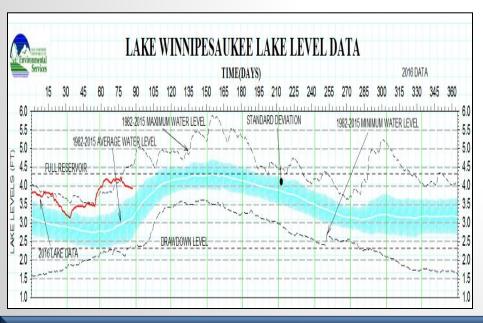
Total Storage (% of Capacity)
Current: 93.3
Normal: 93.0

Consumption (billion gallons) 03/24/16 0.91

Average Precipitation (inches)

Actual Historical

January: 1.75 3.11 February: 4.49 2.59 March: 0.70 2.73



| Scituate Reservoir Elevation (feet) | 281.46 | (93.6 % of Capacity) |
|-------------------------------------|-----------|----------------------|
| Plant Influent (mgd) | 52.093575 | (80.6 CFS) |
| Cumulative Reservoir Evap. (gal) | -41,986 | |
| Downstream Discharge (mgd) | 9.98 | (15.43 CFS) |
| | | |

March 1, 2016

RESERVOIR LEVELS: The Quabbin Reservoir, the largest water supply source for 47 communities in the Metro Boston area, is currently at 89.9% of its 412 billion-gallon maximum capacity. The 65 billion-gallon Wachusett Reservoir is 91.9% full.

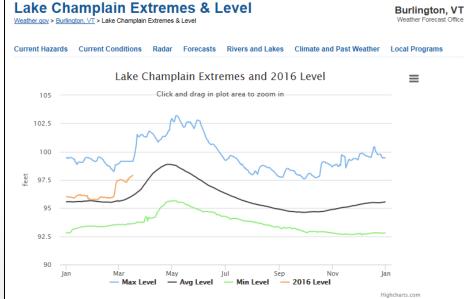
Detailed Data and Archives

CONDITIONS STATUS: According to the MWRA's Drought Management Plan, the water system is currently listed in a **Normal Operations Status** (see table below).

 Current Conditions Status = Normal Operations

 Quabbin Level
 Normal Operations
 Below Normal Normal Normal
 Drought Emergency 1
 Drought Emergency 2
 Drought Emergency 2

 100% - 80%
 80% - 65%
 65% - 50%
 50% - 30%
 38% - 25%
 25% - 0%

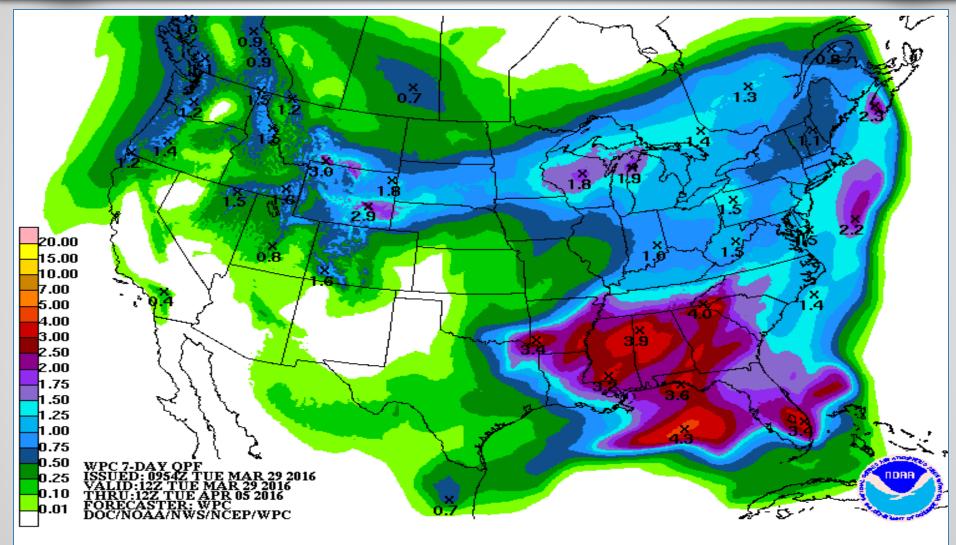






Precipitation For The Next 7 Days

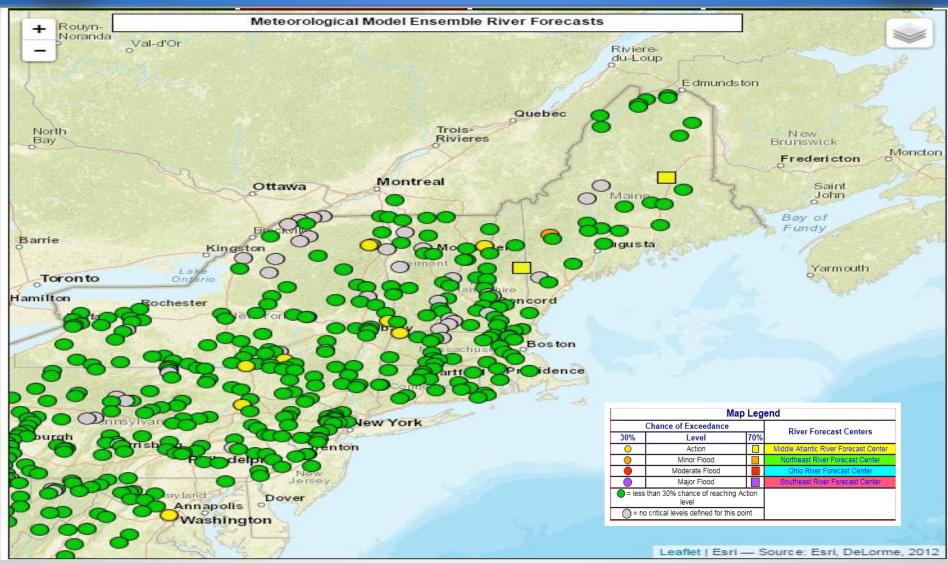






Short-range Ensemble River Forecasts

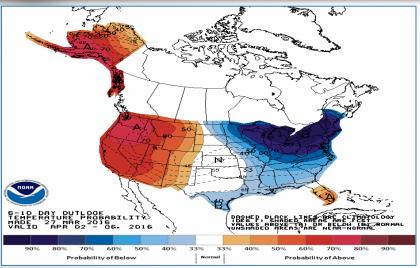


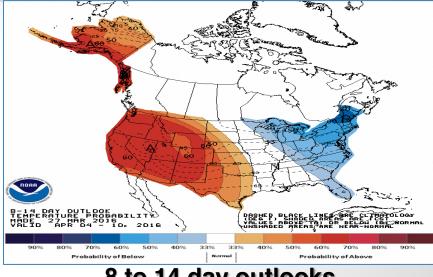




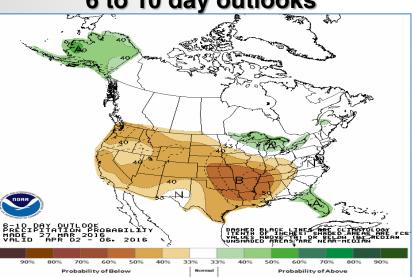
CPC Outlooks



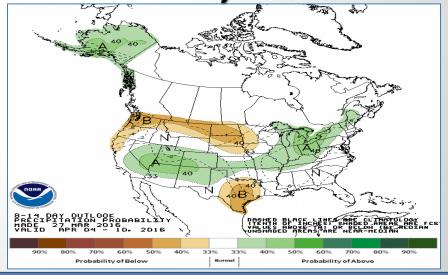




6 to 10 day outlooks





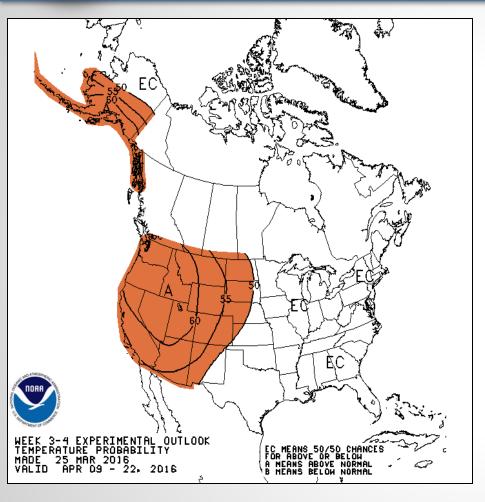


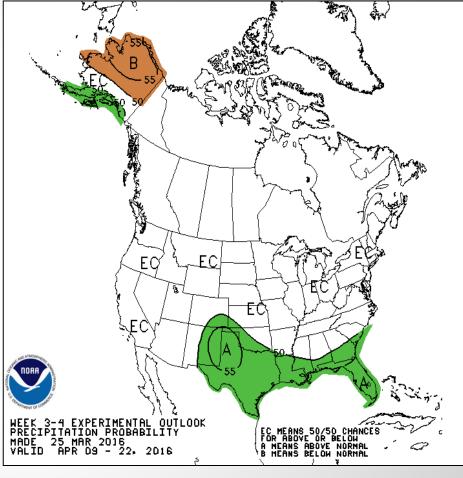




CPC Week 3-4 Outlooks



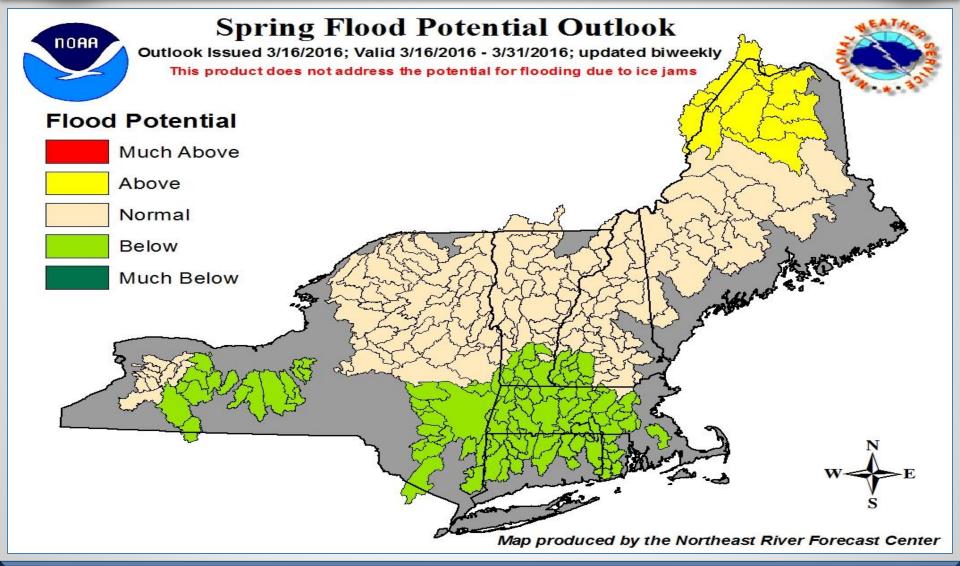






Flood Potential Outlook



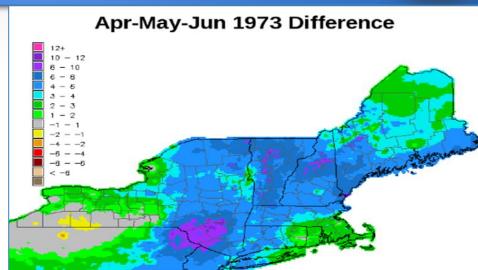


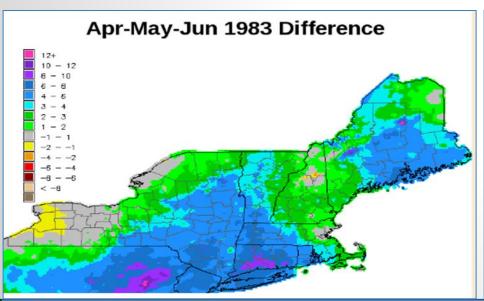


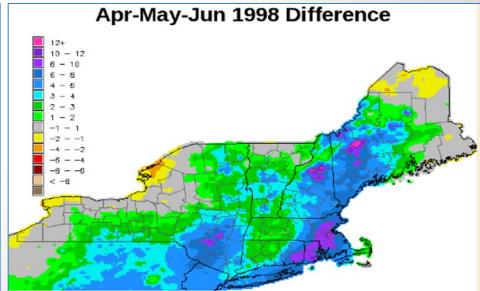
Concerning the Weakening of ENSO Spring can be very wet in parts of the Northeast



- Three most intense ENSO Events did produce a period of every wet weather
- Increased river flood potential
- 3-month rainfall departures of 5-10 inches above normal
- Small sample size and certainly not the only forcing mechanism







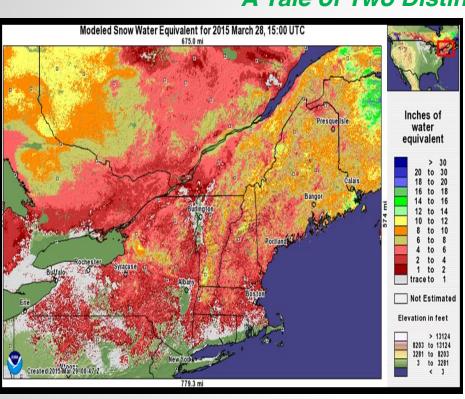


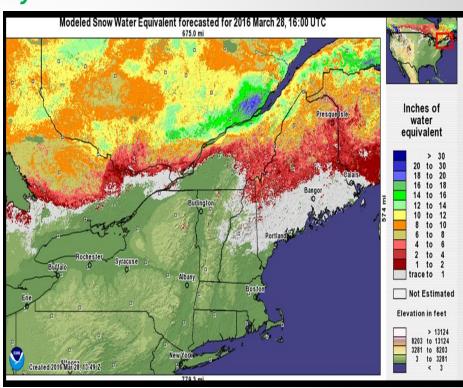


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