

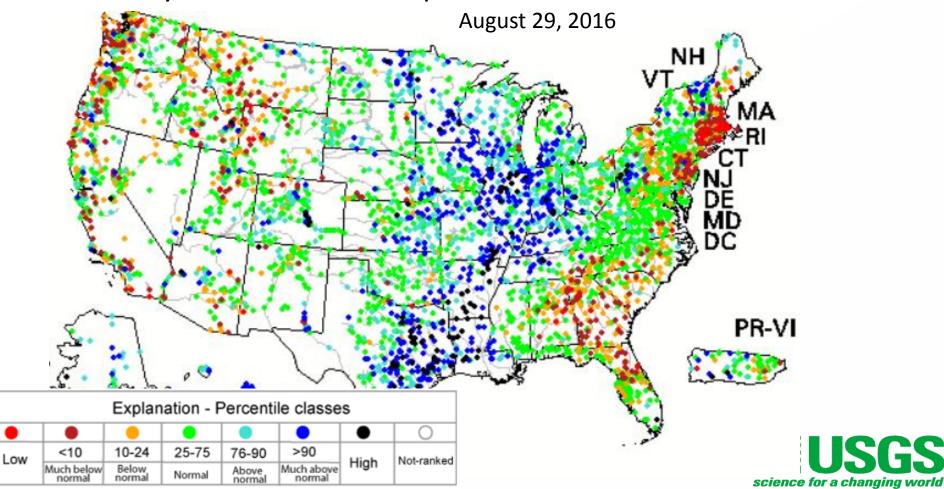
Northeast U.S.
Drought Conditions
August 30, 2016

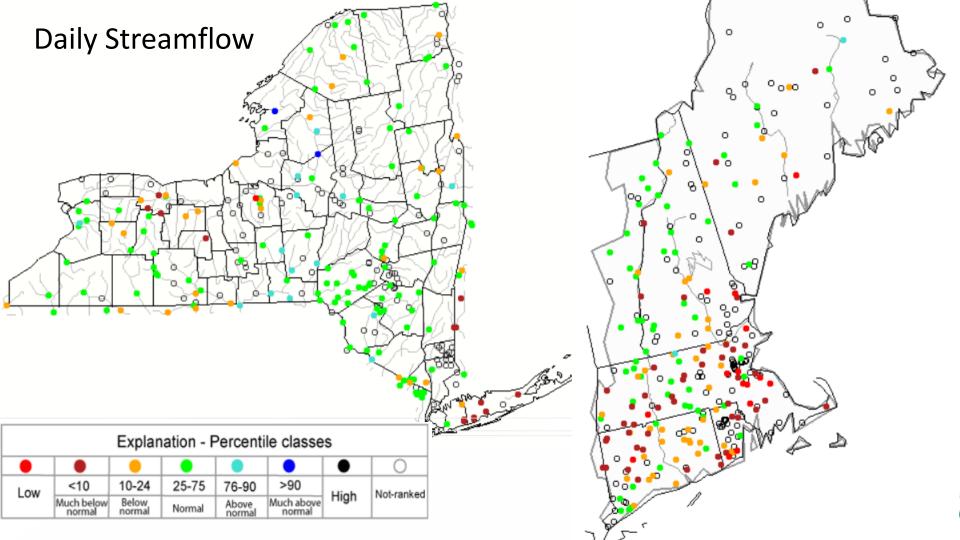
Streamflow and Groundwater Levels

William Coon, Hydrologist

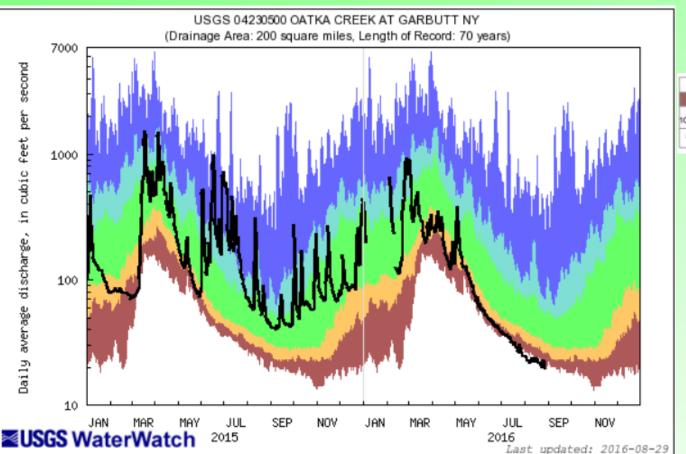


Daily Streamflow – Compared to Historical Streamflow





Oatka Creek at Garbutt, NY – 70 years of record

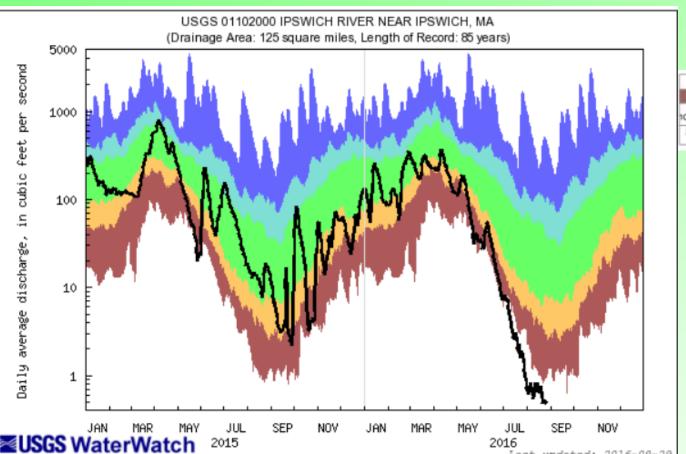


E	xplana	tion - Pe	ercentile	classes	
lowest- 10th percentile	10-24	25-75	76-90	90th percentile -highest	Flow
Much below normal	Below normal	Normal	Above	Much above	



Ipswich River near Ipswich, MA – 85 years of record (affected by withdrawals and regulation)

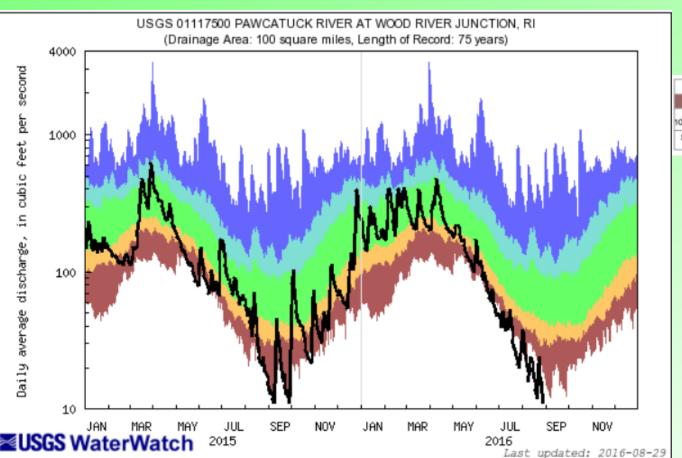
Last updated: 2016-08-29



E	xplana	tion - Pe	rcentile	classes	
lowest- Oth percentile	10-24	25-75	76-90	90th percentile	Flow
Much below normal	Below normal	Normal	Above normal	Much above normal	



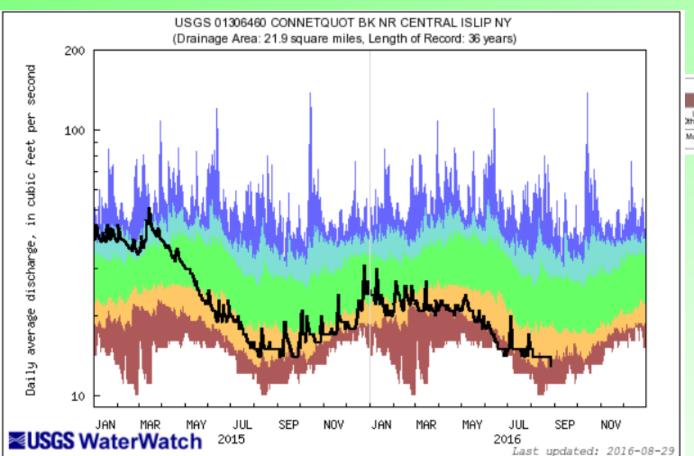
Pawcatuck River at Wood River Junction, RI – 75 years of record



E	xplana	tion - Pe	ercentile	classes	
lowest- 10th percentile	10-24	25-75	76-90	90th percentile -highest	Flow
Much below normal	Below normal	Normal	Above normal	Much above normal	



Connetquot Brook near Central Islip, NY – 36 years of record



E	xplana	tion - Pe	rcentile	classes	
lowest- th percentile	10-24	25-75	76-90	90th percentile -highest	Flow
fuch below normal	Below normal	Normal	Above normal	Much above normal	

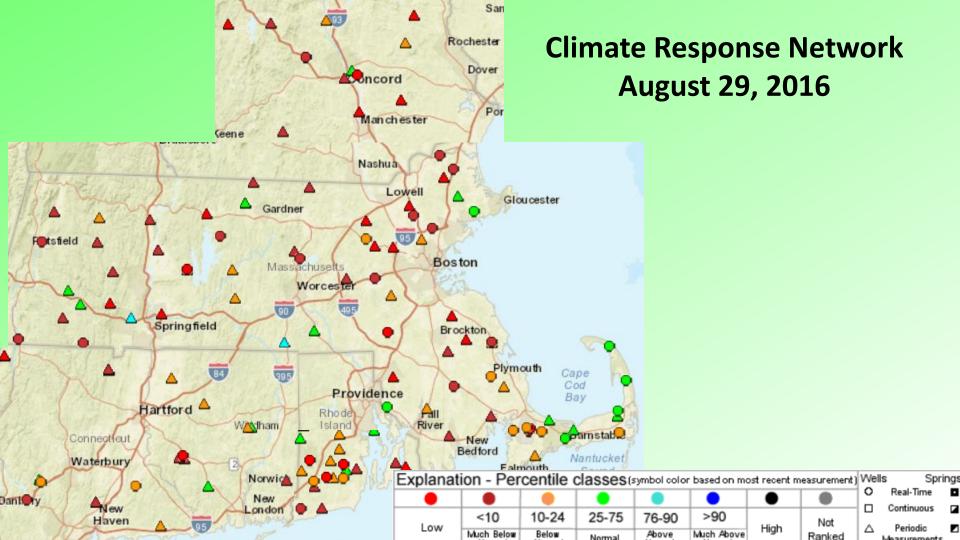


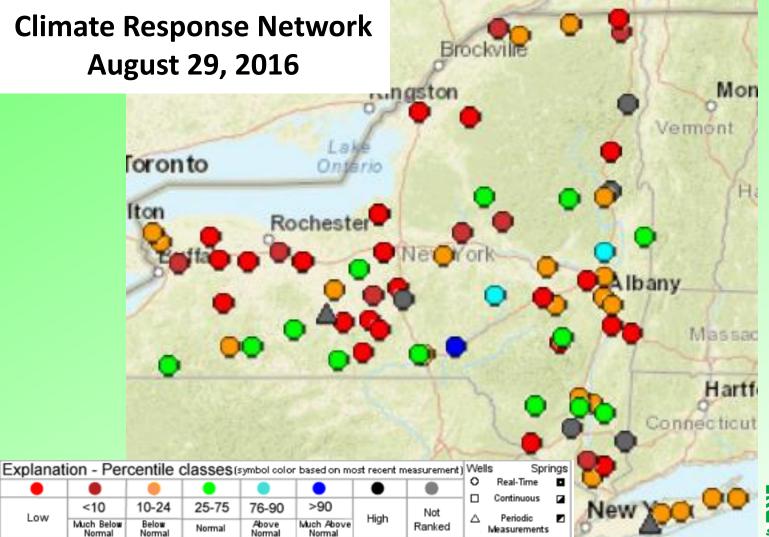
Groundwater Climate Response Network

Includes wells:

- Located in aquifers that respond to climatic fluctuations
- Minimally affected by pumpage
- Essentially unaffected by sources of artificial recharge (from irrigation, canals, etc.)
- Have never gone dry or are not susceptible to going dry







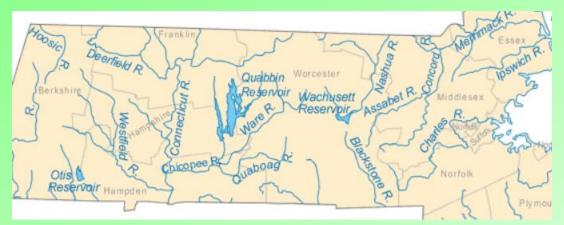


Streamflow NH MA

Groundwater Levels NH

Massachusetts Reservoirs

(August 1, 2016)



http://geology.com/state-map/maps/massachusetts-rivers-map.gif

Quabbin Reservoir

-87.4% of capacity

Wachusett Reservoir

- 91.1 % of capacity

"Normal"

Source: Massachusetts Water Resources Authority



New York City Reservoirs

(August 26, 2016)



West of Hudson Reservoirs (collectively)

Current storage – 81.6%

Normal storage - 81.2 %

Source: New York City Environmental Protection

http://www.dos.ny.gov/watershed/images/lgmap.jpg





William Coon
wcoon@usgs.gov
607-266-0217

