
Streamflow and Groundwater Conditions in Massachusetts

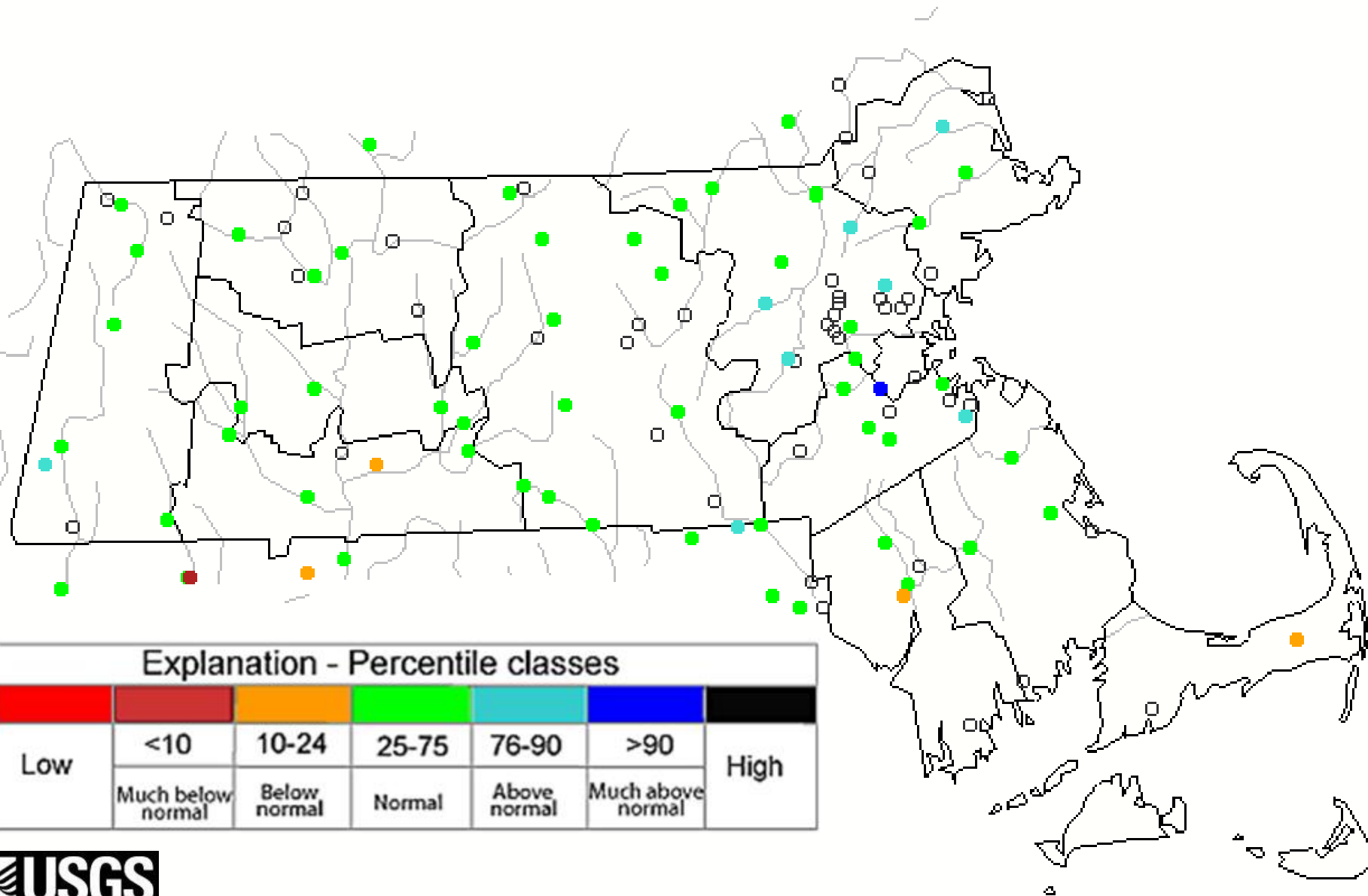
February 7, 2017

U.S. Geological Survey
New England Water Science Center
Massachusetts – Rhode Island Office



Average Streamflow Conditions – Jan. 2017

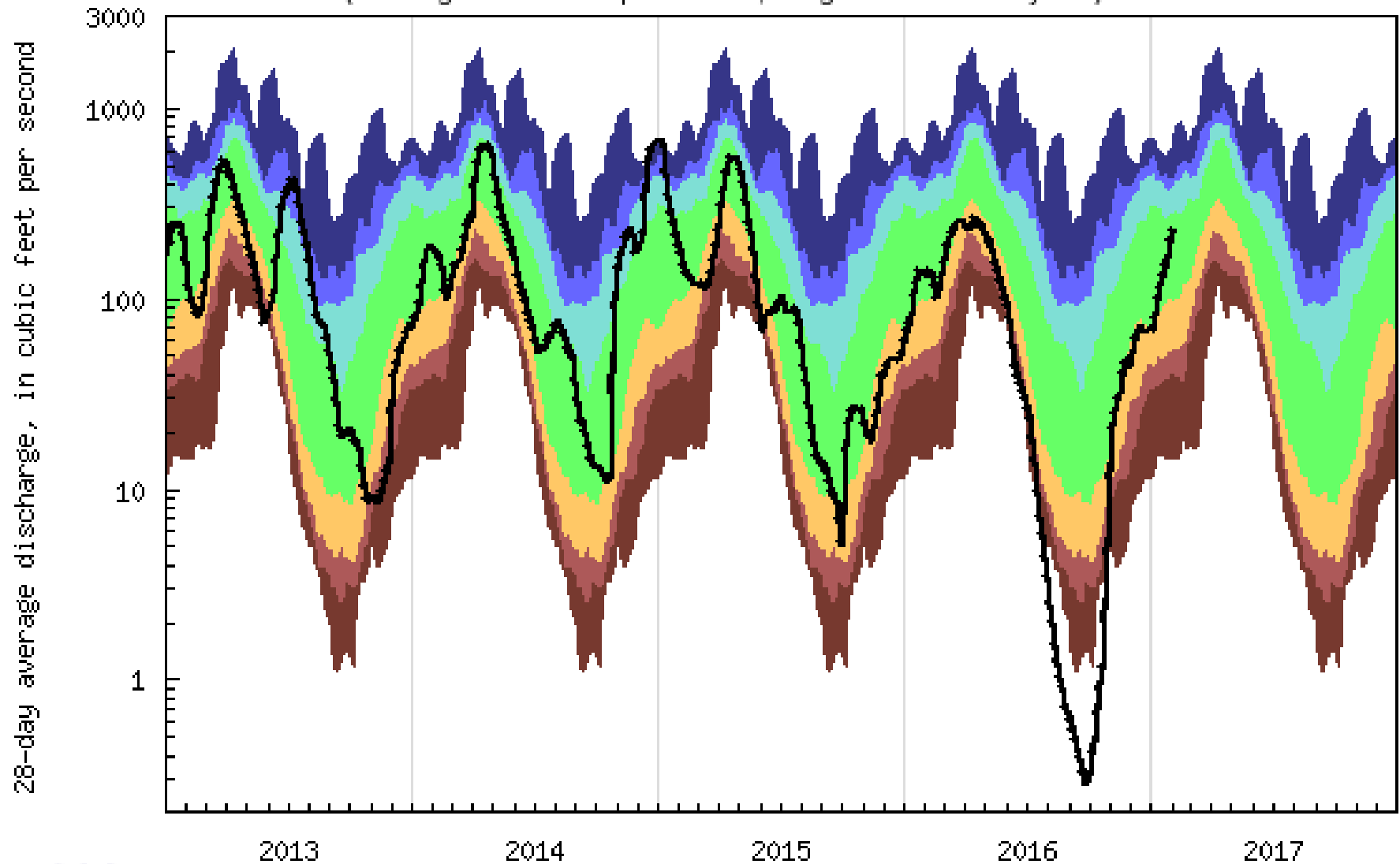
January 2017



Explanation - Percentile classes

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

USGS 01102000 IPSWICH RIVER NEAR IPSWICH, MA
 (Drainage Area: 125 square miles, Length of Record: 85 years)

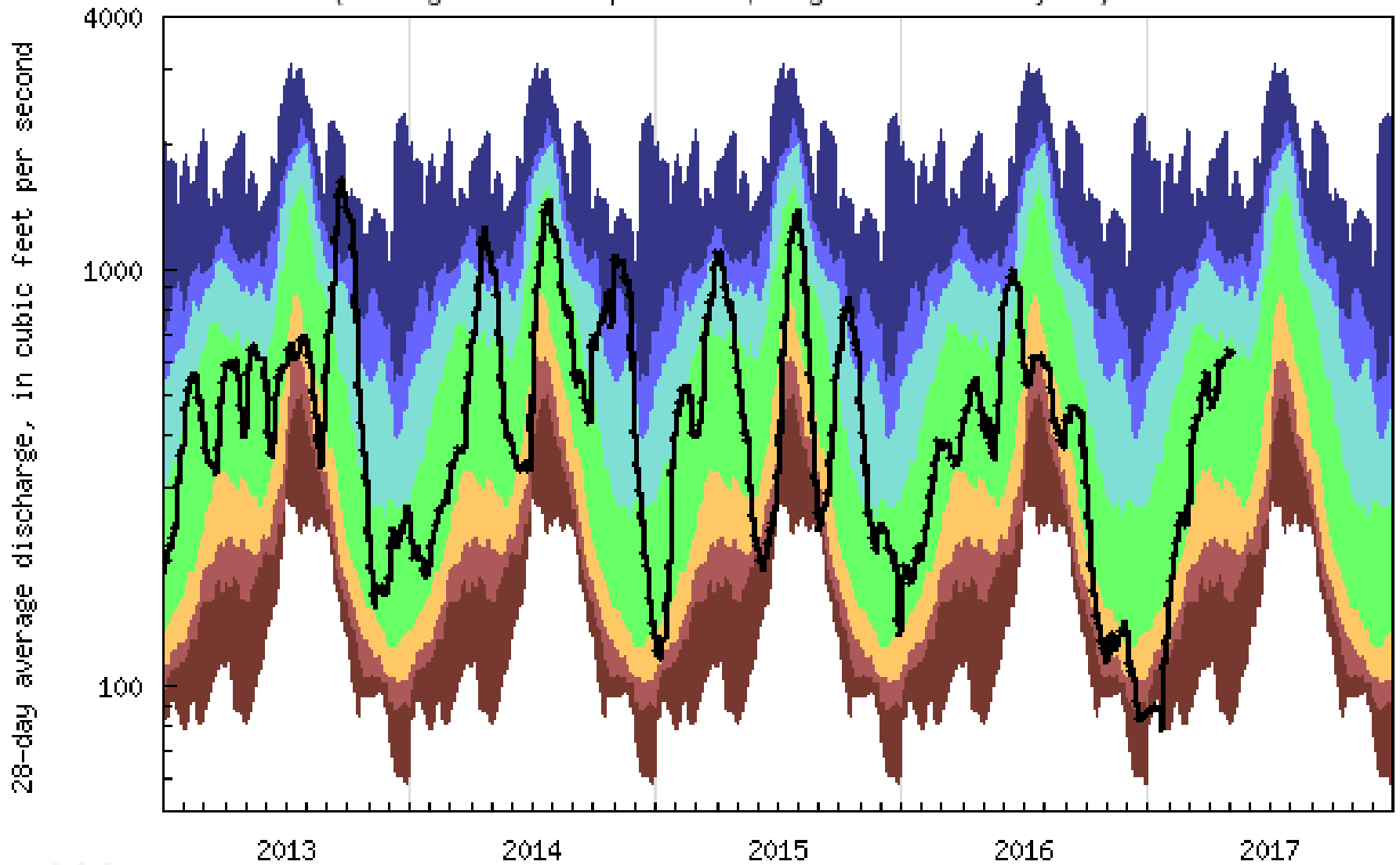


USGS WaterWatch

Explanation - Percentile classes

lowest-5th percentile	6-9	10-24	25-75	76-90	91-94	95th percentile-highest	Flow
Severe hydrologic drought	Moderate hydrologic drought	Below normal	Normal	Above normal	Much above normal		

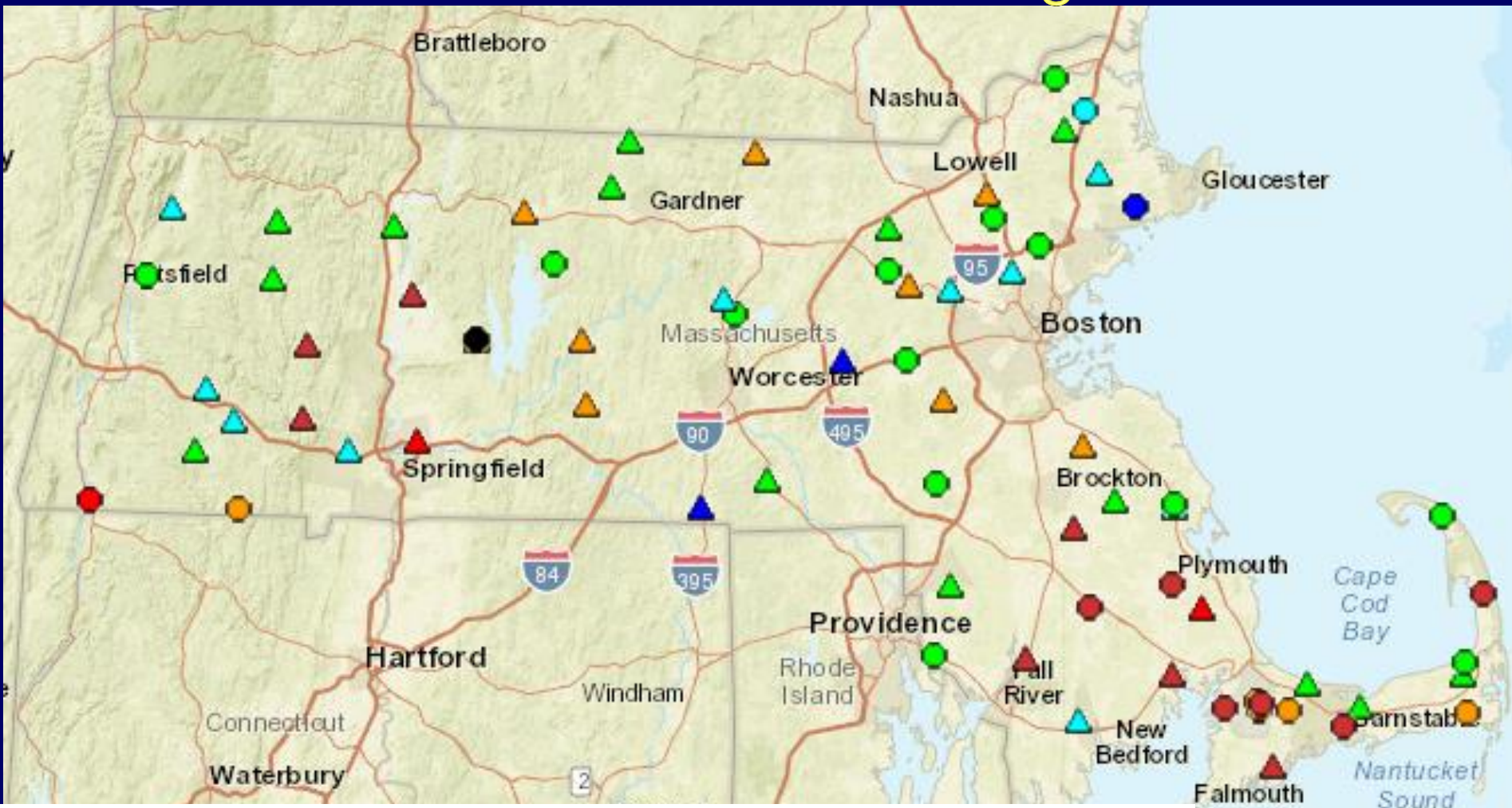
USGS 01197500 HOUSATONIC RIVER NEAR GREAT BARRINGTON, MA
 (Drainage Area: 282 square miles, Length of Record: 103 years)



USGS WaterWatch

Explanation - Percentile classes							Flow
lowest-5th percentile	6-9	10-24	25-75	76-90	91-94	95th percentile-highest	
Severe hydrologic drought	Moderate hydrologic drought	Below normal	Normal	Above normal	Much above normal		

Groundwater Conditions During Jan. 2017



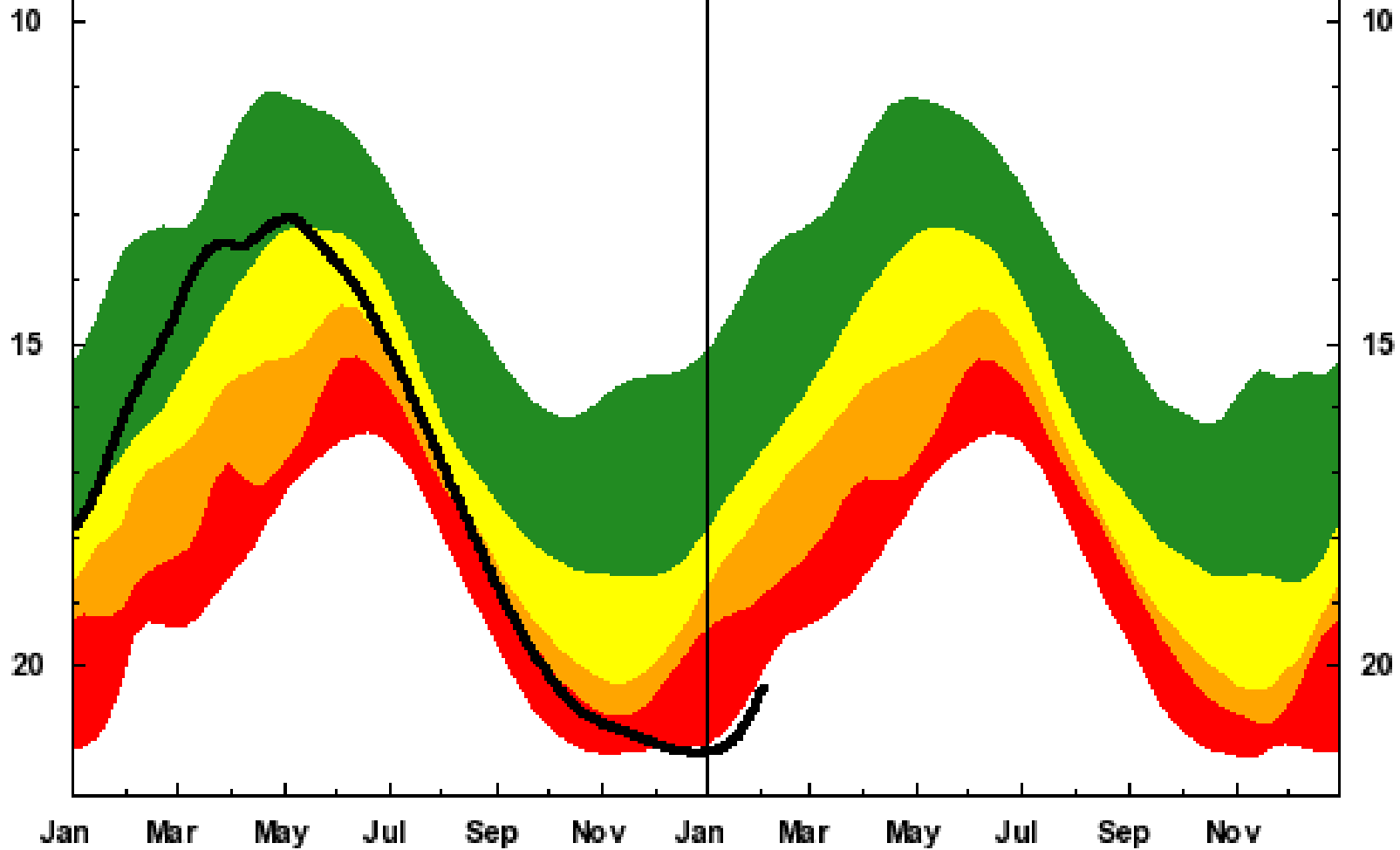
Explanation - Percentile classes

								Real Time Continuous Periodic Measurements
New Low	<10 Much Below Normal	10-24 Below Normal	25-75 Normal	76-90 Above Normal	>90 Much Above Normal	New High	Not Ranked	

28-Day Moving Average Daily Depth to water level, feet below land surface

USGS

- 25-75th %ile
- 10-25th %ile
- 5-10th %ile
- 0-5th %ile
- 28-dy Mov Avg



Summary

- The streamflow map for January 2017 shows relatively normal flows at most streamgages.
- The groundwater map for January 2017 shows a more mixed picture, with continued lower-than-normal water levels in some areas (especially the Plymouth Carver/Cape Cod area in the SE).
- The lengthy periods-of-record at many of the sites allow the current drought to be placed in historical perspective.