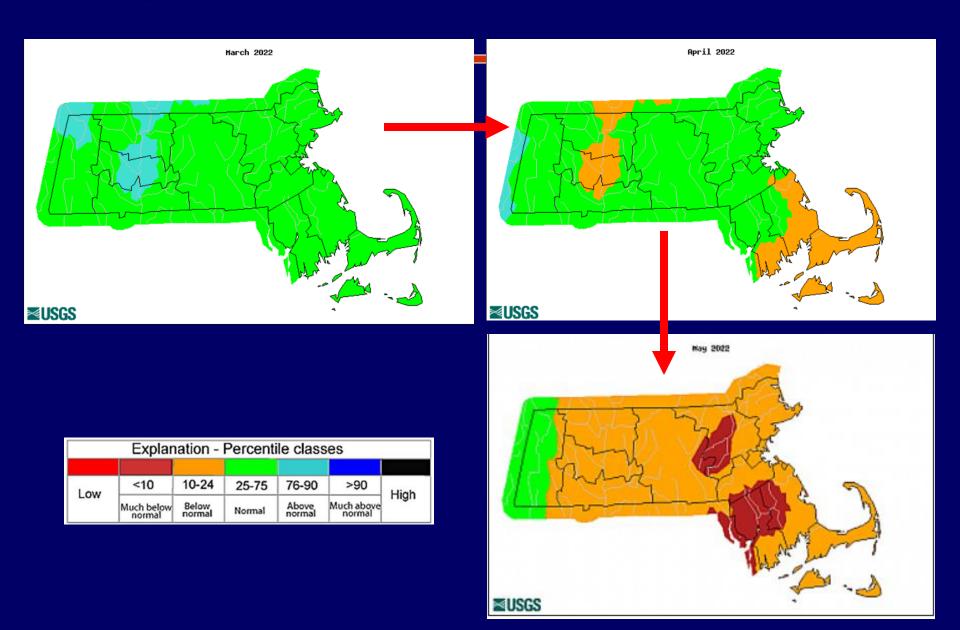
Streamflow and Groundwater Conditions in Massachusetts

June 9, 2022

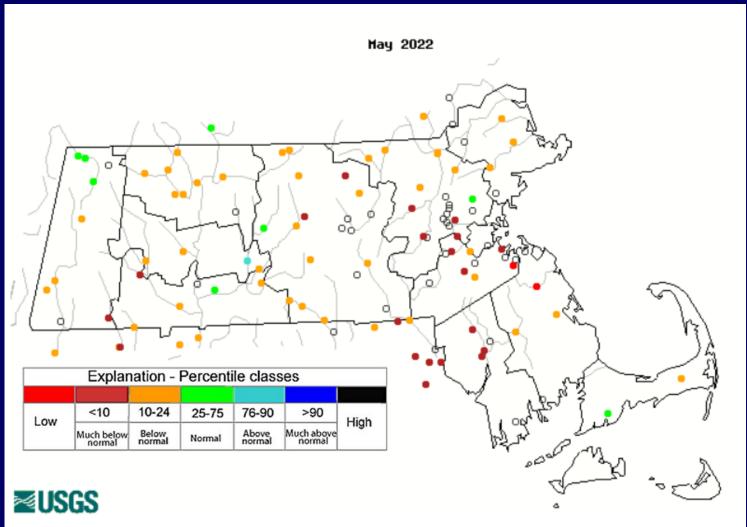
Jason Pollender & Chris Bruet
U.S. Geological Survey
New England Water Science Center



Average Streamflow Conditions – March to May 2022

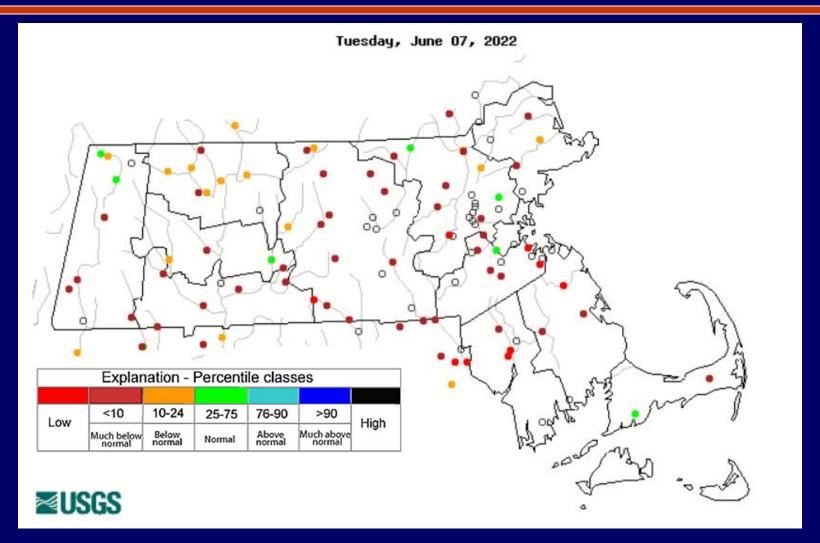


Average Streamflow Conditions – May 2022



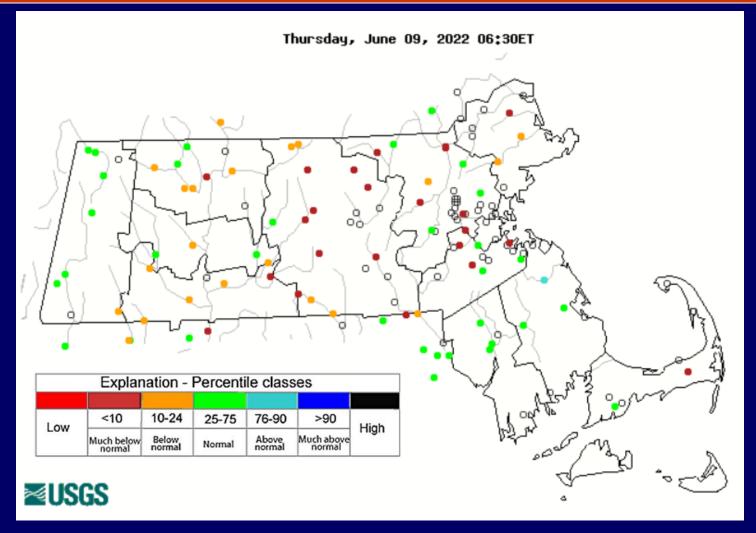


Average Streamflow Conditions – June 7, 2022



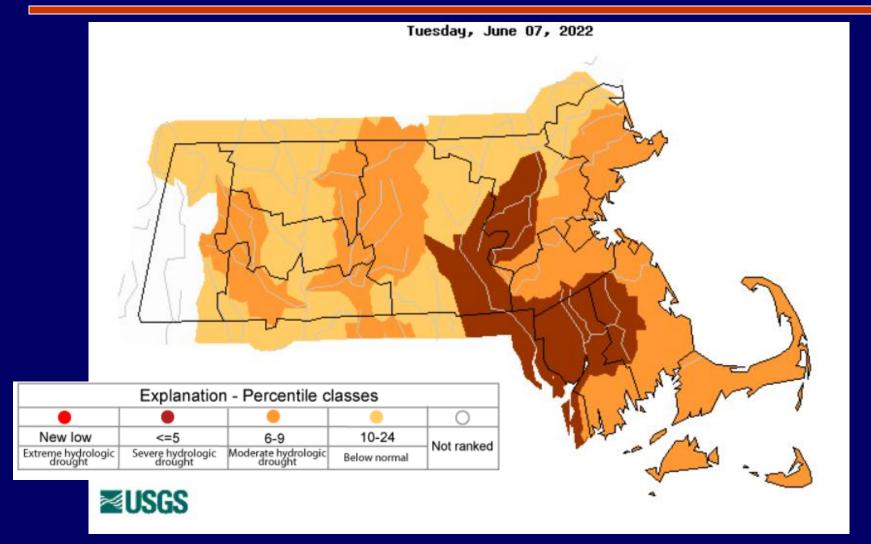


Current Streamflow Conditions – June 9, 2022



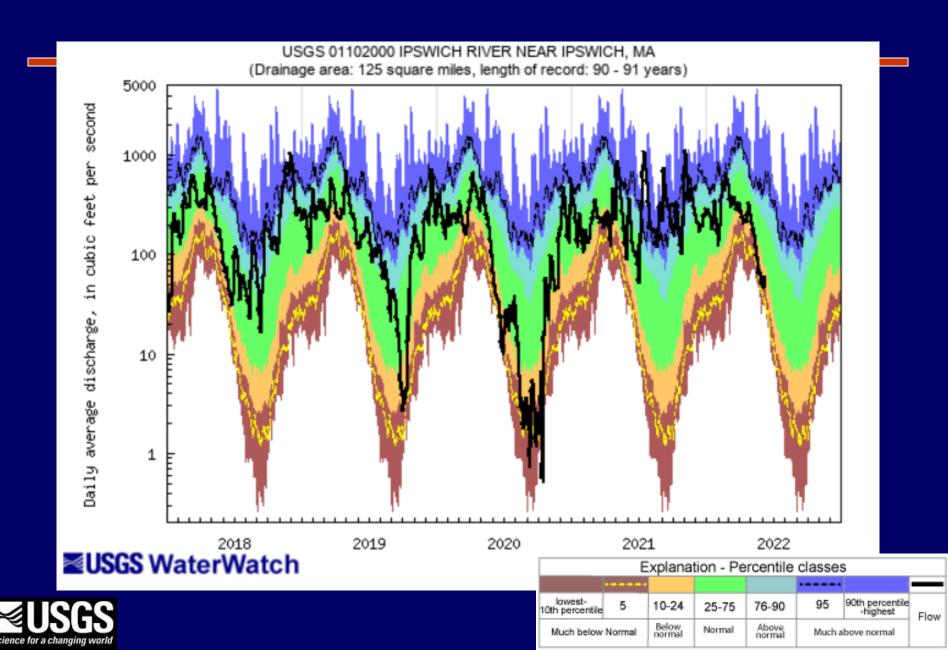


Map of Below Normal 7 Day Average Streamflow – June 7, 2022

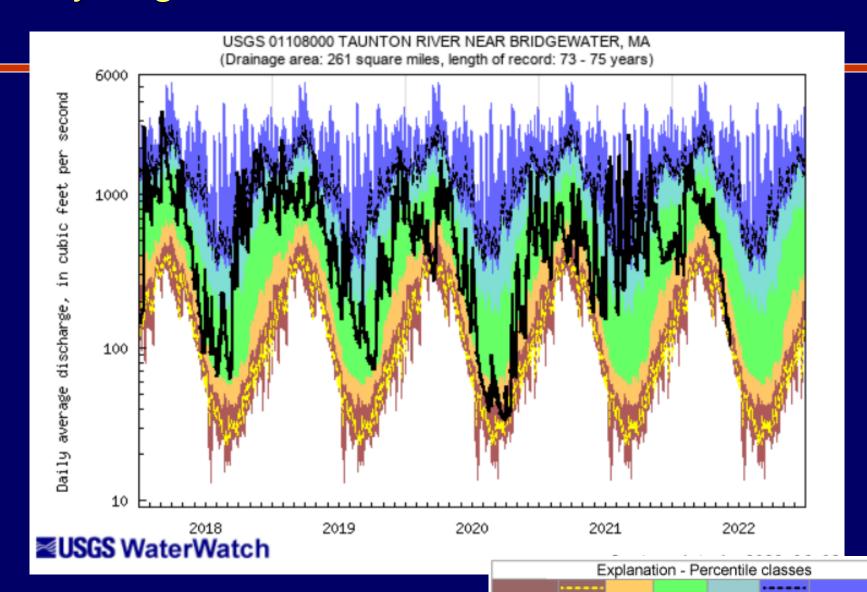




Daily Avg. – Ipswich River – Northeastern MA



Daily Avg. – Taunton River – Southeastern MA



lowest-

Oth percentile

Much below Normal

10-24

Below normal 25-75

Normal

76-90

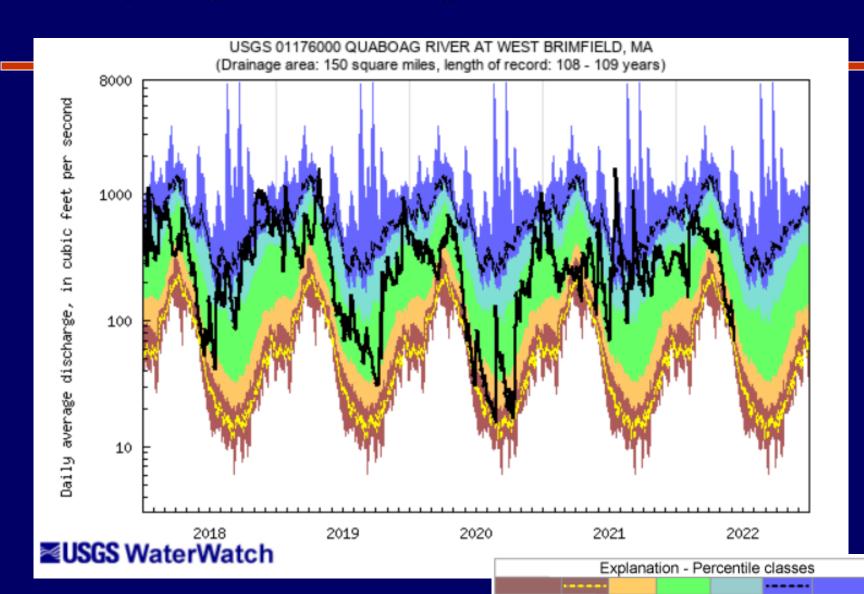
Above normal 90th percentile -highest

Much above normal

Flow



Daily Avg. – Quaboag River – Central MA



lowest-

Oth percentile

Much below Normal

10-24

Below normal 25-75

Normal

76-90

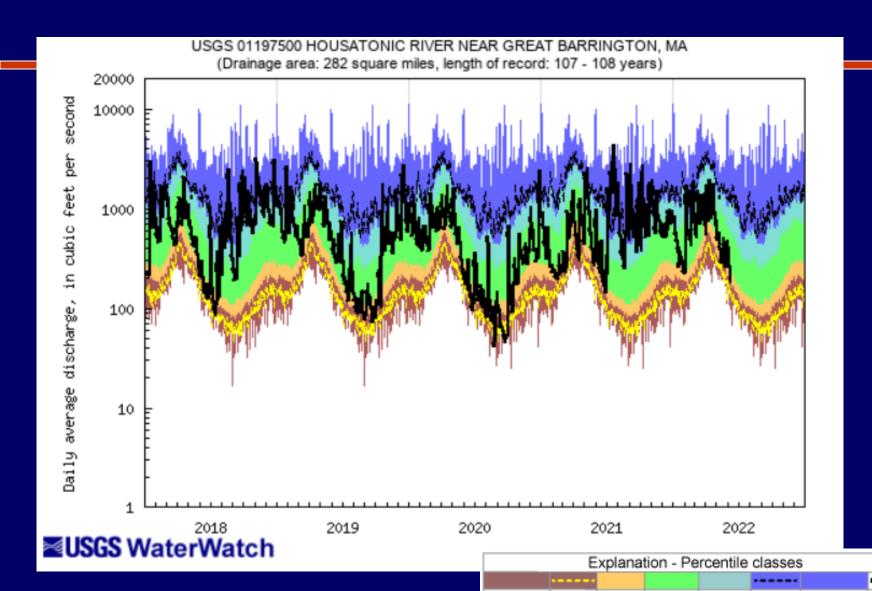
Above normal 90th percentile -highest

Much above normal

Flow



Daily Avg. – Housatonic River – Western MA



lowest-

10th percentile

Much below Normal

10-24

Below normal 76-90

Above normal

25-75

Normal

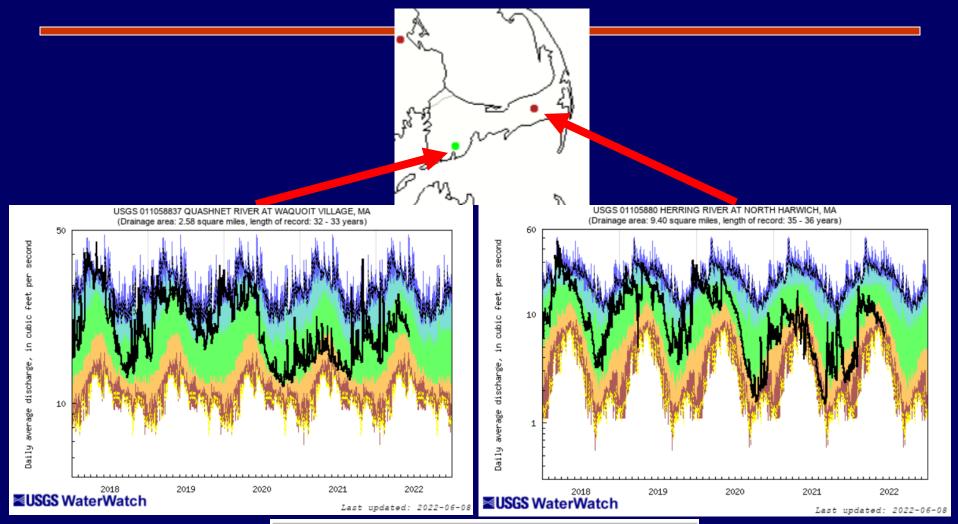
90th percentile -highest

Much above normal

Flow



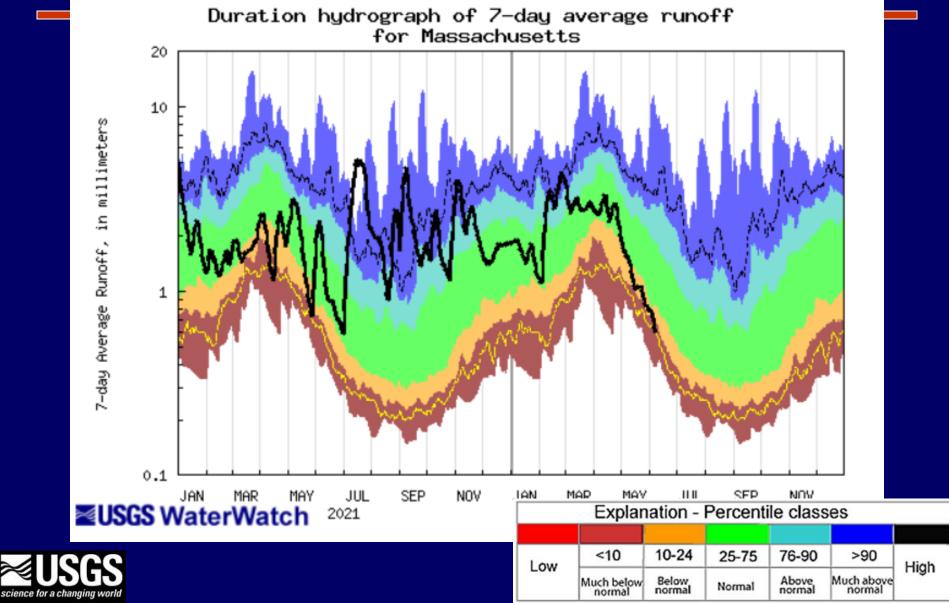
Daily Avg. Herring and Quashnet River – Cape Cod



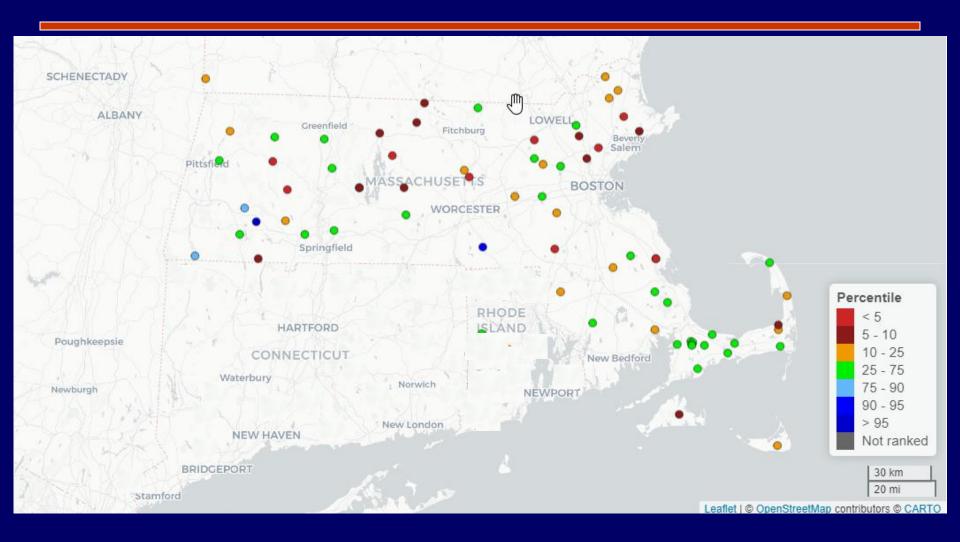


| Explanation - Percentile classes | | | | | | | |
|----------------------------------|---|-----------------|--------|-----------------|-------------------|-----------------------------|------|
| | | | | | | | _ |
| lowest- 10th percentile | 5 | 10-24 | 25-75 | 76-90 | 95 | 90th percentile -highest | Flow |
| Much below Normal | | Below normal | Normal | Above normal | Much above normal | | |

7-Day Streamflow Conditions Oct. 1, 2020 - Sept. 30, 2022

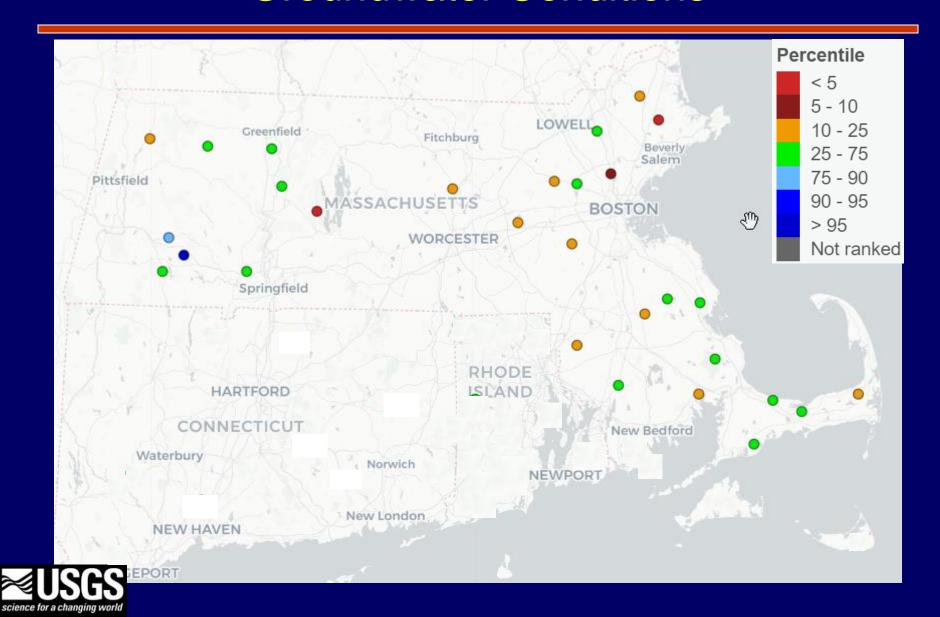


Climate Response Network (CRN) Groundwater Conditions in May 2022

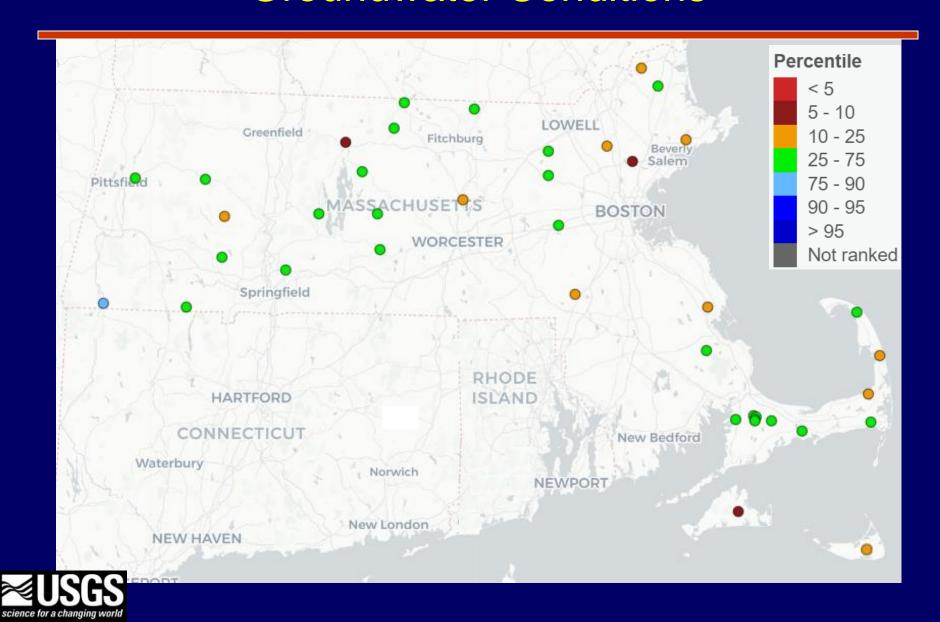




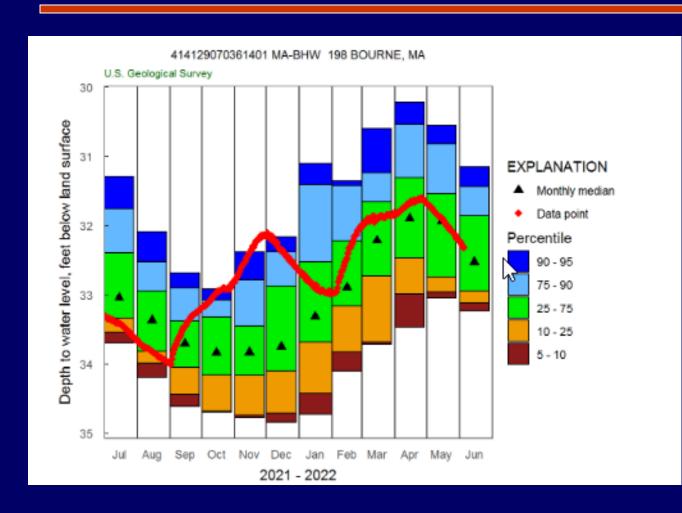
Discrete CRN Groundwater Conditions



Realtime CRN Groundwater Conditions



BHW 198, Bourne, MA



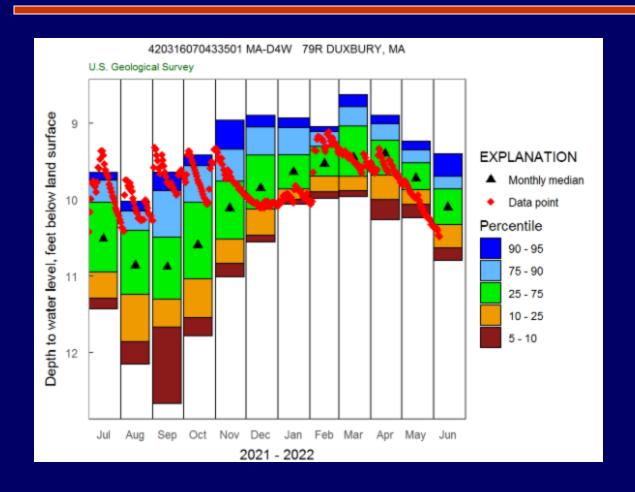
Period of Record

<u>All data</u> 1962 – present

Continuous data May 2012- present



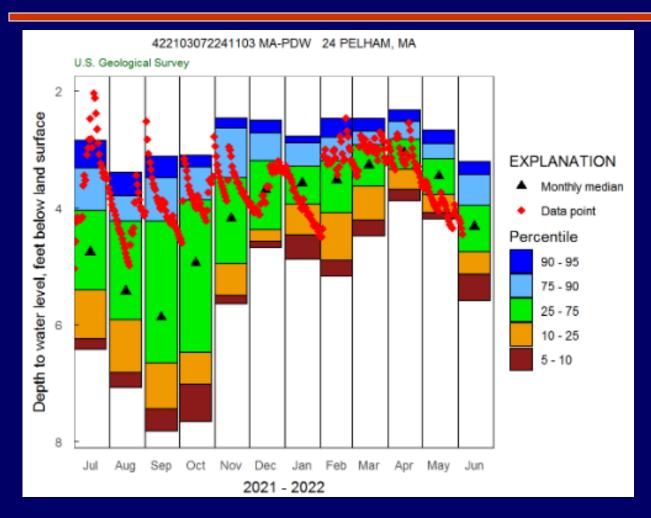
D4W 79R, DUXBURY, MA



Period of Record

1964 – present

PDW 24, PELHAM, MA

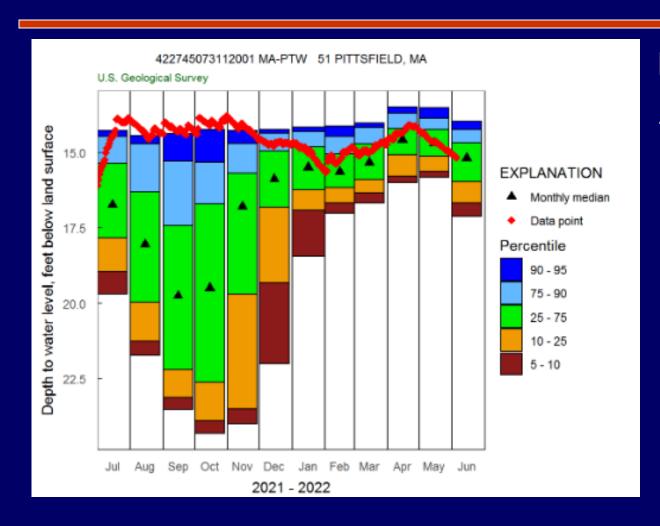


Period of Record

1983 – present



PTW 51, PITTSFIELD, MA



Period of Record

1963 – present



Questions

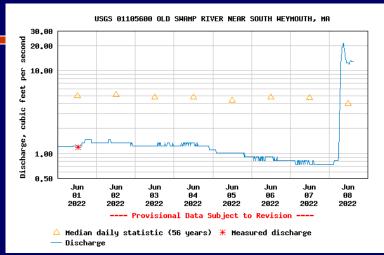
May 12

Current: — Provisional Last year: — Approved

Median: 1967 - 2021

May 19







Compare to last year

Display median