Streamflow and Groundwater Conditions in Massachusetts

March 10, 2021

R.J. Verdi
U.S. Geological Survey
New England Water Science Center
Average Streamflow Conditions – Sept. - Nov. 2020

Sept. 2020

October 2020

November 2020

Explanation - Percentile classes

<table>
<thead>
<tr>
<th>Low</th>
<th>&lt;10</th>
<th>10-24</th>
<th>25-75</th>
<th>76-90</th>
<th>&gt;90</th>
<th>High</th>
</tr>
</thead>
<tbody>
<tr>
<td>Much below normal</td>
<td>Normal</td>
<td>Above normal</td>
<td>Much above normal</td>
<td>Normal</td>
<td>Below normal</td>
<td>Low</td>
</tr>
</tbody>
</table>
# Average Streamflow Conditions – Feb. 2021

## Explanation - Percentile classes

<table>
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<th>Low</th>
<th>&lt;10</th>
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</tr>
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![Map showing streamflow conditions in February 2021](image-url)
7-Day Avg. – Ipswich River – Northeastern MA

7-day average discharge, in cubic feet per second

Explanation - Percentile classes

- Lowest-10th percentile
- 5
- 10-24
- 25-75
- 76-90
- 95
- 90th percentile-highest

Flow categories:
- Much below Normal
- Below normal
- Normal
- Above normal
- Much above normal

7-day average streamflow
7-Day Avg. – Taunton River – Southeastern MA
7-Day Avg. – Quaboag River – Central MA

USGS 01176000 QUABOAG RIVER AT WEST BRIMFIELD, MA
( Drainage area: 150 square miles, length of record: 107 - 108 years )

Last updated: 2021-03-10

Explanation - Percentile classes

<table>
<thead>
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<th>Flow</th>
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<tr>
<td>lowest-10th percentile</td>
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</tr>
<tr>
<td>76-90</td>
<td>95</td>
</tr>
<tr>
<td>90th percentile -highest</td>
<td>100</td>
</tr>
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7-day average discharge, in cubic feet per second

7-day average streamflow
7-Day Avg. – Housatonic River – Western MA
Duration hydrograph of 7-day average runoff for Massachusetts

7-day Average Runoff, in millimeters

2017 2018 2019 2020 2021

Explanation - Percentile classes

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Much below Normal  Below normal  Normal  Above normal  Much above normal

7-day average streamflow
Streamflow Conditions – Mar. 10, 2021
Current Groundwater Conditions
Period of Record

All data
July 1959 – present

Continuous data
Oct. 1984 - present
Period of Record

All data
Dec. 1964 – present

Continuous data
Aug. 2001 - present
Period of Record

All data
Jan. 1984 – present

Continuous data
May 2012 - present
**Period of Record**

**All data**
Aug. 1963 – present

**Continuous data**
Oct. 1984 - present
Questions

Aug. 19, 2020

Sept. 23, 2020

Oct. 21, 2020

Feb. 12, 2021

Segreganset River at North Dighton, MA (01109070)