Streamflow and Groundwater Conditions in Massachusetts

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Gardner Bent
U.S. Geological Survey
New England Water Science Center
Average Streamflow Conditions – June-Aug. 2020

June 2020

July 2020

Aug. 2020

Explanation - Percentile classes

<table>
<thead>
<tr>
<th>Percentile</th>
<th>Low</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>Description</td>
<td>Much below normal</td>
<td>Below normal</td>
<td>Normal</td>
<td>Above normal</td>
<td>Much above normal</td>
<td></td>
</tr>
</tbody>
</table>
Average Streamflow Conditions – Oct. 2020

October 2020

Explanation - Percentile classes

Low: <10, 10-24, 25-75, 76-90, >90
High: Much below normal, Below normal, Normal, Above normal, Much above normal
7-Day Avg. – Ipswich River – northeastern MA

USGS 01102000 IPSWICH RIVER NEAR IPSWICH, MA
(Drainage area: 125 square miles, length of record: 89 - 90 years)

7-day average discharge, in cubic feet per second

- Much below normal: lowest - 10th percentile
- Below normal: 10th - 25th percentile
- Normal: 25th - 75th percentile
- Above normal: 75th - 90th percentile
- Much above normal: 90th percentile to highest
- 95th percentile
- Discharge (2016 - 2020)

7-day average streamflow

Last updated: 2020-11-02
7-Day Avg. – Taunton River – southeastern MA

7-day average streamflow

USGS 01108000 TAUNTON RIVER NEAR BRIDGEWATER, MA
(Drainage area: 261 square miles, length of record: 72 - 74 years)
7-Day Avg. – Quaboag River – central MA

7-day average streamflow
7-Day Avg. – Housatonic River – western MA

USGS 01197500 HOUSATONIC RIVER NEAR GREAT BARRINGTON, MA
(Drainage area: 282 square miles, length of record: 106 - 107 years)

7-day average discharge, in cubic feet per second

- Much below normal
- Below normal
- Above normal
- Normal
- 5th percentile
- 10th percentile
- 25th - 75th percentile
- 90th percentile to highest
- Discharge (2016 - 2020)

7-day average streamflow

Last updated: 2020-11-02
Average runoff – Massachusetts – last 45 days
Avg. runoff – Massachusetts – last 5 years

Duration hydrograph of 7-day average runoff for Massachusetts

28-day average streamflow
GW Conditions Late June – Late Aug. 2020
GW Conditions Late September 2020
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