Streamflow and Groundwater Conditions in Massachusetts

May 9, 2017

Gardner Bent
U.S. Geological Survey
New England Water Science Center
Average Streamflow Conditions – Feb. 2017

February 2017

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>Below normal</td>
<td>Normal</td>
<td>Above normal</td>
<td>Much above normal</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Average Streamflow Conditions – April 2017
Current Streamflow Conditions – May 8, 2017

Monday, May 08, 2017 09:30ET

Explanation - Percentile classes

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Below normal average monthly streamflow – Feb. 2017

February 2017

Explanation - Percentile classes

<table>
<thead>
<tr>
<th>Description</th>
<th>Percentile</th>
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<tbody>
<tr>
<td>Extreme hydrologic drought</td>
<td>&lt;=5</td>
</tr>
<tr>
<td>Severe hydrologic drought</td>
<td>6-9</td>
</tr>
<tr>
<td>Moderate hydrologic drought</td>
<td>10-24</td>
</tr>
<tr>
<td>Below normal</td>
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Below normal average monthly streamflow – March 2017
Below normal average monthly streamflow – April 2017
Below normal 7-day average streamflow – May 7, 2017

Sunday, May 07, 2017

Explanation - Percentile classes

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USGS
science for a changing world
Groundwater Conditions During Feb. 2017

[Map showing various groundwater conditions across a region in New England, with icons indicating different percentile classes and an explanation table below the map.]
Groundwater Conditions During March 2017

[Map showing groundwater conditions with a legend explaining the percentile classes]

- Red: New Low
- Yellow: 10-24
- Green: 25-75
- Blue: 76-90
- Black: >90
- Grey: Not Ranked

Legend:
- ○ Real Time
- □ Continuous
- ▲ Periodic Measurements

[Assessment of groundwater conditions using percentiles]