September Review & Northeast DEWS Discussion

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Northeast Regional Climate Center
September Temperatures

From near normal to more than 8°F above normal
September Precipitation

From less than 50% of normal to over 300% of normal
Florence Rainfall

Observed Rainfall
Last 5 Days
Ending
2 pm Tuesday 9/18

Credit: NOAA

Rainfall totals from Hurricane Florence along the East Coast
At the end of August, 13% of the region was abnormally dry and 7% was experiencing moderate drought.

Currently, 16% is abnormally dry, 4% is in moderate drought and 1% is experiencing severe drought.
Drought Changes

U.S. Drought Monitor Class Change - Northeast
1 Month

September 18, 2018 compared to August 21, 2018

http://droughtmonitor.unl.edu
7-Day Streamflow

Explanation - Percentile Classes

<table>
<thead>
<tr>
<th>Level</th>
<th>Percentile Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>Low</td>
<td>&lt;10%</td>
</tr>
<tr>
<td>Much below normal</td>
<td>10-24%</td>
</tr>
<tr>
<td>Below normal</td>
<td>25-75%</td>
</tr>
<tr>
<td>Normal</td>
<td>76-90%</td>
</tr>
<tr>
<td>Much above normal</td>
<td>&gt;90%</td>
</tr>
<tr>
<td>High</td>
<td></td>
</tr>
</tbody>
</table>

Data provided by [USGS WaterWatch - Streamflow](https://waterwatch.usgs.gov/).
Temperature Outlooks

October 3–9: Increased chances of above-normal temperatures for most of the Northeast (left)

October – December: Increased chances of above-normal temperatures for the Northeast, especially New England (right)
Precipitation Outlooks

October 3–9: Increased chances of above-normal precipitation for the entire Northeast (left)

October – December: Increased chances of above-normal precipitation along the East Coast, with equal chances elsewhere (right)
Impacts

- Report from Sep 20, Northern Vermont
  - Springs and private wells continue to run dry in some areas. Companies that drill, deepen, or replenish wells have seen increased business.
  - Franklin: The town has trucked in water to replenish its water system, which is spring-fed. Residents were asked to conserve and boil water.
  - Stowe: The water system is ok, but one of the two primary wells is around ten feet lower this year compared to last year.
  - Waterville: The village asked residents to conserve water.
  - Lamoille River: Water levels at two dams are too low to make electricity.
Other Impacts not reflected here?
Please email us! NRCC@CORNELL.EDU
Contact Information

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Upcoming Webinar

- Tuesday, October 30 at 9:30 am
- Thursday, November 29 at 9:30 am

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