October Review & Northeast DEWS Discussion

By: Samantha Borisoff, Climatologist
Northeast Regional Climate Center
October Temperatures

Average Temperature Departure (°F)
October 1-26, 2022

From more than 6°F below normal to 6°F above normal
October Precipitation

From less than 25% of normal to more than 200% of normal
Remnants of Ian Rainfall

Displaying Last 7-Day Observed Precipitation
Valid on: October 05, 2022 12:00 UTC
What is UTC time? Map Help

NRCC
Precipitation

Accumulated Precipitation Departure from Normal

Green/black diamonds represent subsequent/missing values

Precipitation Departure (inches)

-----------------------------------------------
-12.5   |        |          |          |          |          |          |          |          |          
-10.0   |        |          |          |          |          |          |          |          |          
-7.5    |        |          |          |          |          |          |          |          |          
-5.0    |        |          |          |          |          |          |          |          |          
-2.5    |        |          |          |          |          |          |          |          |          
0.0     |        |          |          |          |          |          |          |          |          
2.5     |        |          |          |          |          |          |          |          |          
5.0     |        |          |          |          |          |          |          |          |          

(Click to hide/show lines)
- Portland Area, ME (ThreadEx): Precip Dprt
- Boston Area, MA (ThreadEx): Precip Dprt
- Providence Area, RI (ThreadEx): Precip Dprt
- Islip Area, NY (ThreadEx): Precip Dprt
- Rochester Area, NY (ThreadEx): Precip Dprt
Precipitation

Percent of Normal Precipitation
September 26 - October 25, 2022

Percent of Normal Precipitation
August 27 - October 25, 2022

Percent of Normal Precipitation
July 28 - October 25, 2022

Percent of Normal Precipitation
April 26 - October 25, 2022
Standardized Precipitation Index
Streamflow

28-Day Streamflow

Explanation - Percentile Classes

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

Groundwater


Courtesy of U.S. Geological Survey New England Water Science Center
Drought Impacts

Reported Water Use Restrictions
Last Update: 10/20/2022

Legend
- County Boundary
- Town Boundary

Drought Condition
- Abnormally Dry
- Moderate Drought
- Severe Drought
- Extreme Drought

Municipality Status
- Voluntary Restriction
- Mandatory Restriction

Water System Status
- Voluntary Restriction
- Mandatory Restriction

Drought conditions based on
United States Drought Monitor
https://droughtmonitor.unl.edu/
Produced by a partnership between:
National Drought Mitigation Center,
U.S. Department of Agriculture, &
National Oceanic and Atmospheric Administration

Disclaimer: The status of water use restrictions is based on
information submitted to the New Hampshire Department of
Environmental Services and may not be comprehensive.

List of water suppliers employing non-essential water restrictions as of October 17, 2022

| PWS ID | Name                           | County (sorted) | Restriction Type | Within Susq. R. Basin | Within Del. R. Basin |
|--------|--------------------------------|-----------------|------------------|-----------------------|____________________|
| 1      | 6120001 DRIFTWOOD BORO         | Cameron         | Voluntary        | Y                     | N                      |
| 2      | 3130012 PALMERTON MUNI WATER AUTH | Carbon | Voluntary        | N                     | Y                      |
| 3      | 6170052 BCI MUNI AUTH          | Clearfield      | Voluntary        | Y                     | N                      |
| 4      | 4180048 LOCK HAVEN CITY AUTH MCELHATTA | Clinton | Voluntary        | Y                     | N                      |
| 5      | 4180055 PORTER TWP MUNI AUTH   | Clinton         | Mandatory        | Y                     | N                      |
| 6      | 4180059 SOUTH RENOVO WATER STS | Clinton         | Voluntary        | Y                     | N                      |
| 7      | 2408001 HAZLETON CITY AUTH     | Luzerne         | Mandatory        | Y                     | Y                      |
| 8      | 3540011 MAHANOY TWP AUTH       | Luzerne         | Voluntary        | Y                     | N                      |
| 9      | 4410187 WATerville WATER ASSN  | Lycoming        | Voluntary        | Y                     | N                      |
| 10     | 4410156 JERSEY SHORE AREA JT WATER AUTH | Lycoming | Voluntary        | Y                     | N                      |
| 11     | 3480038 PA AMER WATER CO BANGOR DIST | Northampton | Voluntary        | N                     | Y                      |
| 12     | 7500019 DUNCANNO Water SYS     | Perry           | Voluntary        | Y                     | N                      |
| 13     | 6530010 GALETON BORO WATER AUTH | Potter         | Voluntary        | Y                     | N                      |
| 14     | 3540045 TOWER CITY BORO AUTH   | Schuykill       | Voluntary        | Y                     | N                      |

Courtesy of Pennsylvania Dept. of Environmental Protection
Precipitation Forecast

7 Day QPF
Valid: 12Z 10/27/22 - 12Z 11/03/22

Explanation - Forecast precipitation (inches)

Data provided by DOC/NOAA/NWS/NCEP/WPC.
Short-term Outlooks

6-10 Day Precipitation Outlook
2022-11-01 to 2022-11-05

6-10 Day Temperature Outlook
2022-11-01 to 2022-11-05

8-14 Day Precipitation Outlook
2022-11-03 to 2022-11-09

8-14 Day Temperature Outlook
2022-11-03 to 2022-11-09

Data provided by NOAA/NWS/NCEP/PCD
Monthly & 3-Month Outlooks

Monthly Precipitation Outlook
Nov 2022

Monthly Temperature Outlook
Nov 2022

3-Month Precipitation Outlook
NDJ 2022-2023

3-Month Temperature Outlook
NDJ 2022-2023

Data provided by DOC/NOAA/ACE/POPC.
**Summary**

**October-to-date conditions:**
- Below-or near-normal temperatures in the Mid-Atlantic but near- or above-normal temperatures in New England and NY
- Below-normal precipitation inland; above-normal precipitation coastal – Hurricane Ian’s remnants

![Map of Percent of Normal Precipitation](image)

**Drought:**
- Rainfall continued to ease drought and abnormal dryness for most areas
- Drier in upstate NY and southwestern WV leading to expansion of abnormal dryness

**Outlooks:**
- Short-term outlooks: below or near-normal precipitation and above-normal temperatures favored for both time periods
- November and November-January: equal chances of below-, near-, or above-normal precipitation for both time periods; above-normal temperatures favored for New England and eastern New York for Nov and for coastal areas, particularly New England, for Nov-Jan
Contact Information

• nrcc@cornell.edu

Upcoming Webinars

• Tuesday, November 29 at 9:30am EST
  • ENSO Update and Winter Outlook

• Thursday, December 15 at 9:30am EST
  • Massachusetts Drought Dashboard

• Tuesday, January 31 at 9:30am EST
  • Climate Mapping for Resilience and Adaptation Tool

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