March Review & Northeast DEWS Discussion

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Northeast Regional Climate Center
March Temperatures

Average Temperature Departure (°F)
March 1-30, 2022

From near normal to 6°F above normal
March Precipitation

From 25% of normal to 200% of normal
March Snowfall

From more than 6” below normal to 6” above normal
Precipitation

Accumulated Precipitation Departure from Normal

Green/black diamonds represent subsequent/missing values

- Precipitation Departure (inches)
- Oct 2021 to Mar 2022

Click to hide/show lines

- RANGELEY, ME: Precip Dprt
- New York-Central Park Area, NY (ThreadEx): Precip Dprt
- Philadelphia Area, PA (ThreadEx): Precip Dprt
- Baltimore Area, MD (ThreadEx): Precip Dprt

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NRCC
Precipitation
Standardized Precipitation Index
Evap. Demand Drought Index

3-week EDDI categories for March 23, 2022

Drought categories
- ED4
- ED3
- ED2
- ED1
- ED0

Wetness categories
- EW0
- EW1
- EW2
- EW3
- EW4

(EDDI-percentile category breaks: 100% = driest; 0% = wettest)

Generated by NOAA/ESRL/Physical Sciences Laboratory
Soil Moisture

SPoRT-LIS 0–100 cm Soil Moisture percentile valid 31 Mar 2022

Courtesy of NASA
Groundwater

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>&lt;10%</td>
<td>10-24%</td>
<td>25-75%</td>
<td>76-90%</td>
<td>&gt;90%</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Data provided by [USGS Groundwater Watch - AGLN](https://www.usgs.gov); updated 2022-03-31.
Precipitation Forecast

7 Day QPF
Valid: 12Z 03/31/22 - 12Z 04/07/22

Explanation - Forecast precipitation (inches)

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

March-to-date conditions:
- Above-normal temperatures
- Below- or near-normal precipitation/snowfall in many areas

Drought:
- Northern New England:
  - Some improvement due to timely precipitation and improving streamflow and groundwater levels
- Southern parts of the Northeast:
  - Conditions deteriorated in some areas due to below-normal precipitation, declining streamflow and soil moisture, and below-normal groundwater levels

Outlooks:
- Next seven days – thunderstorms today and storm mid next week
- Short-term outlooks – near- or above-normal precipitation and near- or above-normal temperatures for most areas
- Month/three-month outlooks call for above-normal precipitation in western areas and above-normal temperatures for the whole region
Contact Information

• nrcc@cornell.edu

Upcoming Webinars

• Thursday, April 28 at 9:30am
  • NE U.S. Precip Trends and Links w/ Drought

• Tuesday, May 31 at 9:30am
  • Heat, health, and drought

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