January Review & Northeast DEWS Discussion

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Northeast Regional Climate Center
January Temperatures

Average Temperature Departure (°F)  
January 1-28, 2024

From 2°F below normal to more than 6°F above normal
January Storms

POMPTON RIVER AT POMPTON PLAINS

Universal Time (UTC)

Latest observed value: 18 ft at 11:15 AM EST 11 Jan 2024. Flood stage is 16 ft.

Record: 25.2

Minor: 15.5
Moderate: 18.0
Major: 20.3
Record: 25.2

Flow (cfs)

Site Time (EST)

Graph Created: 12:18PM Jan 11, 2024
Observations courtesy of US Geological Survey

CoCoRaHS Mapping System

Accumulated Snowfall
Jan 13, 2024 to Jan 10, 2024

At least 90% data completeness

0.0 - 0.25 in.
1.0 - 2.9 in.
3.0 - 5.9 in.
6.0 - 11.9 in.
12.0 - 16.9 in.
17.0 - 21.9 in.
January Precipitation

From 75% of normal to more than 200% of normal
January Snowfall

Snowfall Departure (inches)
January 1-28, 2024

From 24” below normal to 18” above normal
Accumulated Precipitation Departure from Normal

Green/black diamonds represent subsequent/missing values

Precipitation Departure (inches)

Aug 2023  Sep 2023  Oct 2023  Nov 2023  Dec 2023  Jan 2024
Soil Moisture

SPoRT-LIS 0–100 cm Soil Moisture percentile valid 30 Jan 2024

Courtesy of NASA
Streamflow

### 28-Day Streamflow

<table>
<thead>
<tr>
<th>Explanation - Percentile Classes</th>
<th>Low</th>
<th>Below normal</th>
<th>Normal</th>
<th>Above normal</th>
<th>Much above normal</th>
<th>High</th>
</tr>
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<tbody>
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<td>Low</td>
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<td>25-75%</td>
<td>76-90%</td>
<td>&gt;90%</td>
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Data provided by [USGS WaterWatch - Streamflow](https://waterwatch.usgs.gov); updated 2024-01-30.
Groundwater

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Data provided by [USGS Groundwater](https://www.usgs.gov) - [About this map](https); updated 2024-01-30.
Short-term Outlooks

6-10 Day Precipitation Outlook
2024-02-04 to 2024-02-08

6-10 Day Temperature Outlook
2024-02-04 to 2024-02-08

8-14 Day Precipitation Outlook
2024-02-06 to 2024-02-12

8-14 Day Temperature Outlook
2024-02-06 to 2024-02-12
**Summary**

**January-to-date conditions:**
- Above-normal temperatures for most of the region
- Above-normal precipitation for many areas

**Drought:**
- Drought and dryness shrank in coverage thanks to wetter-than-normal conditions
- Lingering drought in western New York and southeastern Massachusetts is generally due to much below-normal groundwater levels and/or longer-term precipitation deficits

**Outlooks:**
- Short-term: below- or near-normal precipitation and near- or generally above-normal temperatures
- Feb: tilt toward below-normal precipitation and above-normal temperatures for some areas
- Feb-Apr: tilt toward above-normal precipitation for coastal areas but below-normal for some interior locations; above-normal temperatures favored for most areas
Contact Information

- nrcc@cornell.edu

Upcoming Webinars

- Thursday, February 29 at 9:30am EST
  - Coastal Inundation and High Tide Flooding
- Thursday, March 28 at 9:30am EDT
  - Spring Flood Outlook
- Tuesday, April 30 at 9:30am EDT
  - Marine Storms

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