

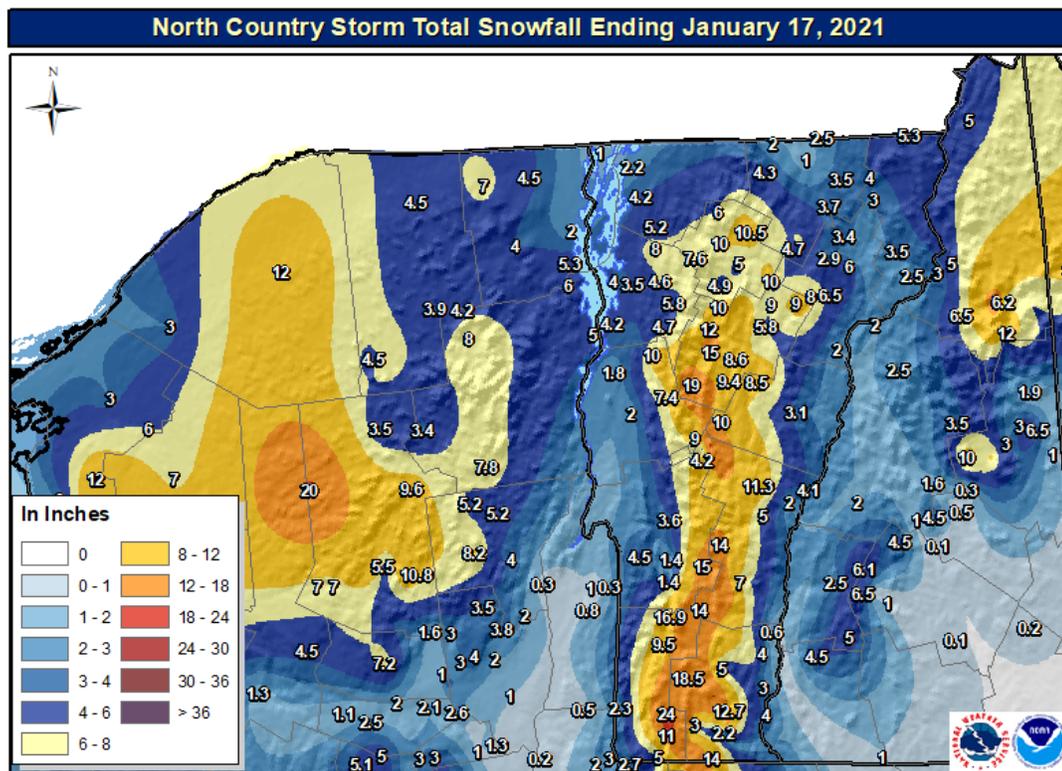
NWS Form E-5 (04-2006) (PRES. BY NWS Instruction 10-924)	U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE	HYDROLOGIC SERVICE AREA (HSA) Burlington VT	
		REPORT FOR: MONTH YEAR	January 2021
MONTHLY REPORT OF HYDROLOGIC CONDITIONS		SIGNATURE John Goff, Lead Meteorologist /s/	
TO: Hydrologic Information Center, W/OS31 NOAA's National Weather Service 1325 East West Highway Silver Spring, MD 20910-3283		DATE 02/26/2021	

When no flooding occurs, include miscellaneous river conditions below the small box, such as significant rises, record low stages, ice conditions, snow cover, droughts, and hydrologic products issued (NWS Instruction 10-924).

An X inside this box indicates that no flooding occurred within this hydrologic service area.

January 2021 could be generally characterized as warm and seasonably dry across the NWS Burlington HSA. Numerous light precipitation events occurred, but none produced totals excessive enough to produce flooding concerns. The most impactful of these occurred on the 2nd and 3rd, and again from the 16th to the 17th during which modest to heavy snowfall totals were observed (Figure 1). Looking at the month as a whole precipitation departures averaged near normal for much of the Champlain Valley, though negative anomalies of -0.50 to -2.00 inches were more common elsewhere (Figure 2). This tended to keep longer term dryness intact across the area (Figure 3). In terms of temperatures, on average values showed positive departures running from +2.0 to +5.0 degrees despite a sharp trend toward colder weather during the last few days of the month. However, no significant, large scale thawing episodes were observed which tended to preserve the overall integrity of the accumulating snowpack despite depths running somewhat below normal.

In summary, January 2021 was a quiet one from a hydrological perspective across the NWS Burlington HSA. While overall mild conditions were observed, no extreme precipitation events affected the region with frequent light to occasionally modest snowfall gradually establishing a permanent snowpack.



Created by the National Weather Service Forecast Office Burlington, Vermont
 Sources: NWS observers & spotters, media, public, state & local officials

Created: 1/17/2021 2:56 PM

Figure 1. Total snowfall observed during 16-17 January, 2021 across the NWS Burlington HSA.

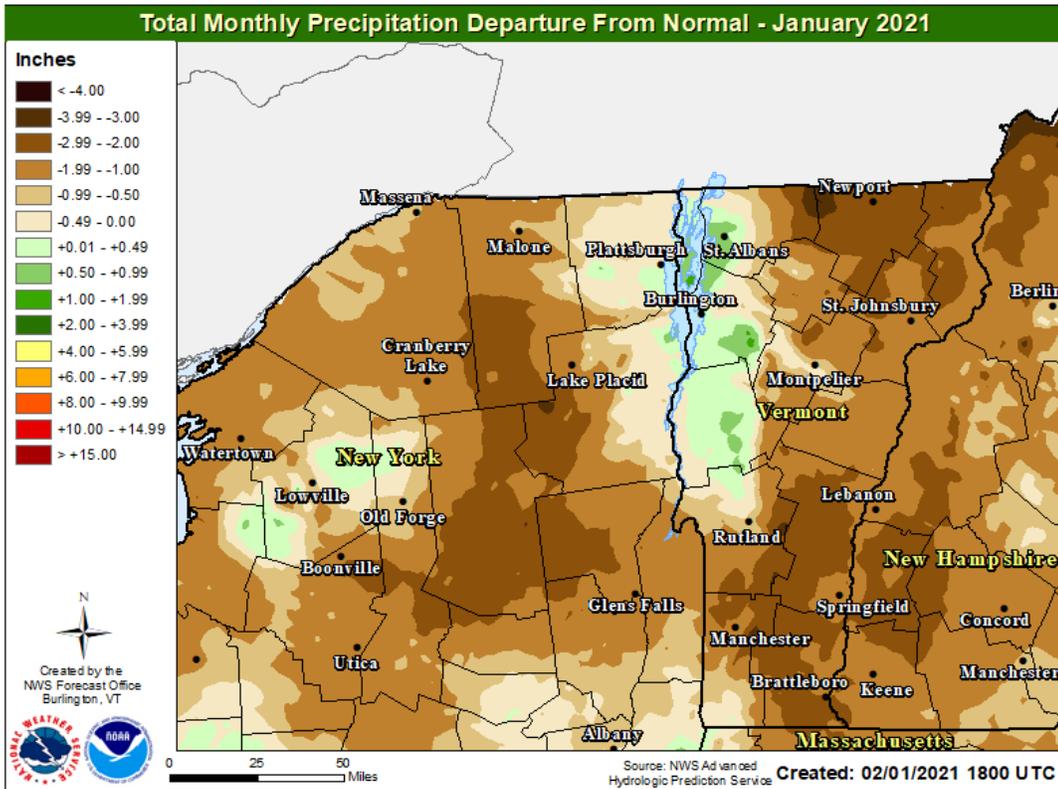


Figure 2. Monthly precipitation departure from normal for January 2021.

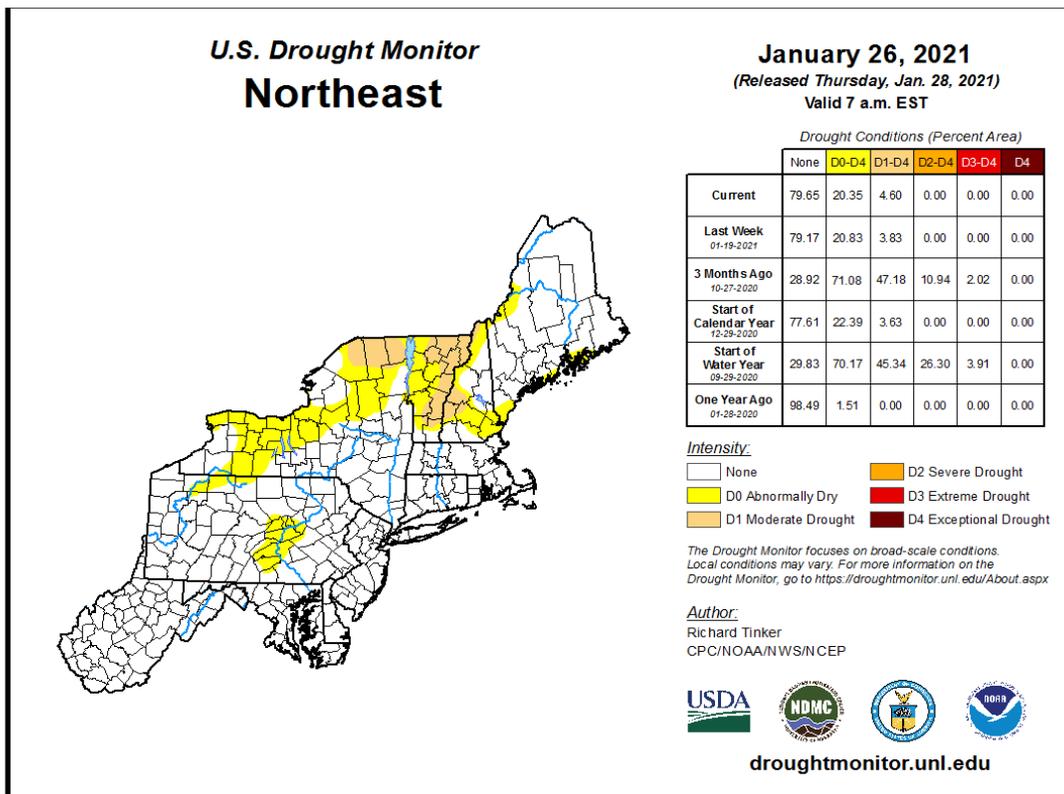


Figure 3. U.S Drought Monitor map for 26 January, 2021 showing abnormally dry to moderate drought conditions persisting across the NWS Burlington HSA.