

<b>NWS Form E-5</b> (04-2006) (PRES. BY NWS Instruction 10-924)	<b>U.S. DEPARTMENT OF COMMERCE</b> <b>NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION</b> <b>NATIONAL WEATHER SERVICE</b>	HYDROLOGIC SERVICE AREA (HSA) Burlington VT
		REPORT FOR: MONTH            YEAR January            2020
<b>MONTHLY REPORT OF HYDROLOGIC CONDITIONS</b>		SIGNATURE Andrea LaRocca, Meteorologist /s/
TO: Hydrologic Information Center, W/OS31 NOAA's National Weather Service 1325 East West Highway Silver Spring, MD 20910-3283		DATE February 16, 2020

*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.

Hydrologically, January was a relatively quiet month with only one minor flooding event on January 11-12<sup>th</sup>. Anomalously warm temperatures for January occurred January 11<sup>th</sup> with BTV hitting a record high of 59 degrees (34 degrees above normal for that date). This warmth, coupled with a strong low pressure system tracking west of the North Country brought 1 to nearly 2 inches of rain to northern Vermont and New York (Figure 1) through January 12<sup>th</sup>. Rainfall and snowmelt contributed to minor rises on a few northern Vermont rivers along with a localized ice jam on the St Regis River at Hogansburg, NY.

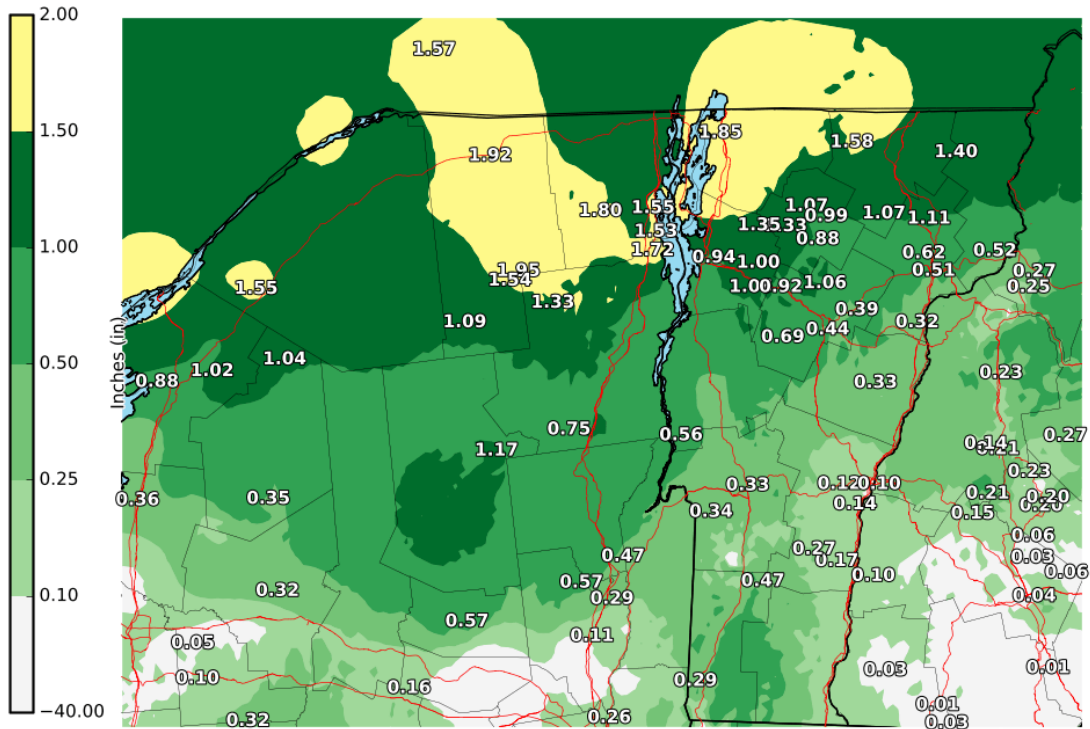
Minor flooding was observed on northern Vermont rivers, including the Missisquoi at North Troy, VT, and the Barton River at Coventry, VT, (Table 1). In addition, localized flooding was observed in Lyndonville at flood prone locations along with one ice jam on the St Regis River at Hogansburg, NY. Minimal to no impacts were reported due to this flooding in the Burlington HSA.

Overall, the month of January was characterized by significantly above normal temperatures across the entire Burlington HSA (Figure 2) and a dual distribution in precipitation, with above normal precipitation across northern New York & Vermont and below normal precipitation across central and southern Vermont. Some locations across the northern tier of New York and Vermont were upwards of 1-2''+ above normal for the month of January (Figure 3). Generally speaking, snowfall during the month of January was near normal with slightly above normal values across the northern tier mountains and similarly below normal values for central and southern Vermont (Figure 4).

Gage ID	River/Stream	Location	FS	Flood Crest	Category	Date/Time
NTYV1	Missisquoi R.	North Troy, VT	9.0'	10.21'	Minor	01/12 @ 16:00Z
COVV1	Barton R.	Coventry, VT	8.0'	8.65'	Minor	01/13 @ 07:45Z

**Table 1:** Notable river crests, January 2020.

**24-hr Precipitation Totals**  
Ending at: 01/12/2020 07:00 AM EST



National Weather Service  
Burlington, VT  
01/12/2020 11:28 AM EST

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Figure 1: Observed 24-hr precipitation ending 7AM January 12, 2020.

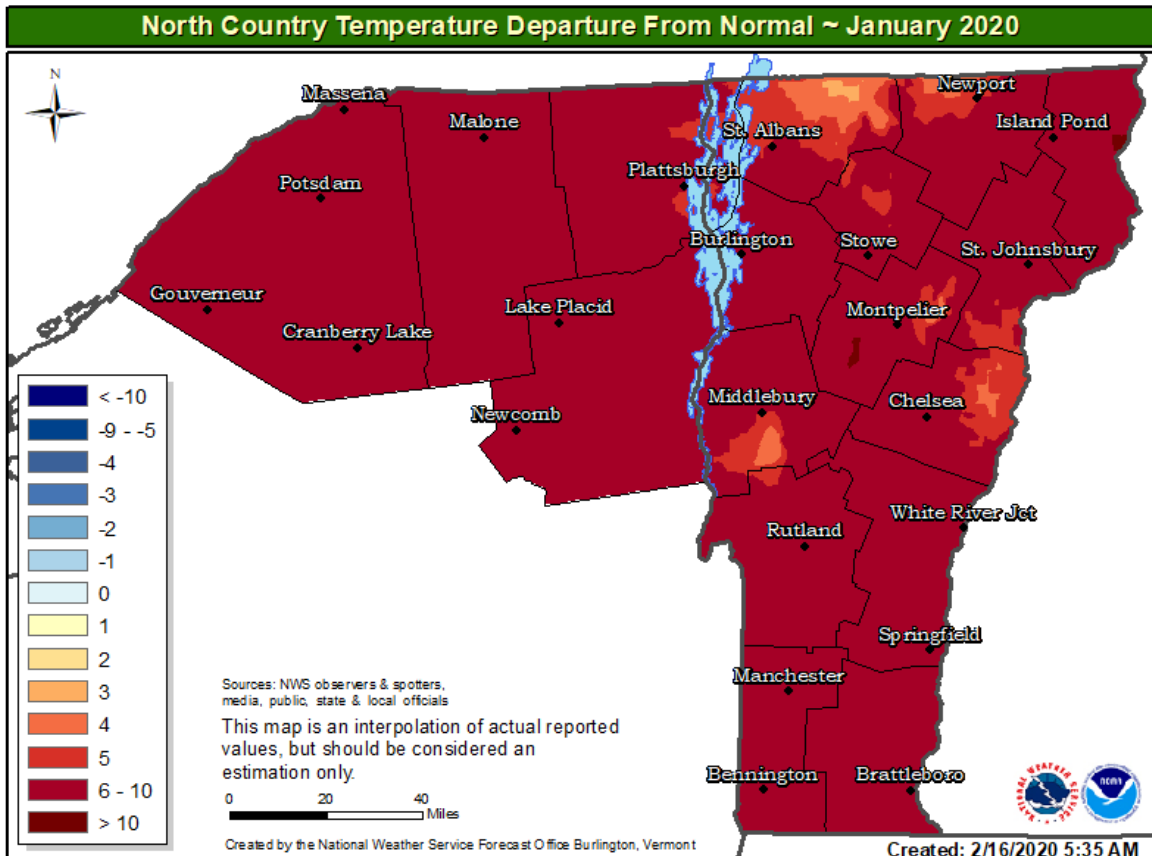


Figure 2: Departure of average temperature, January 2020.

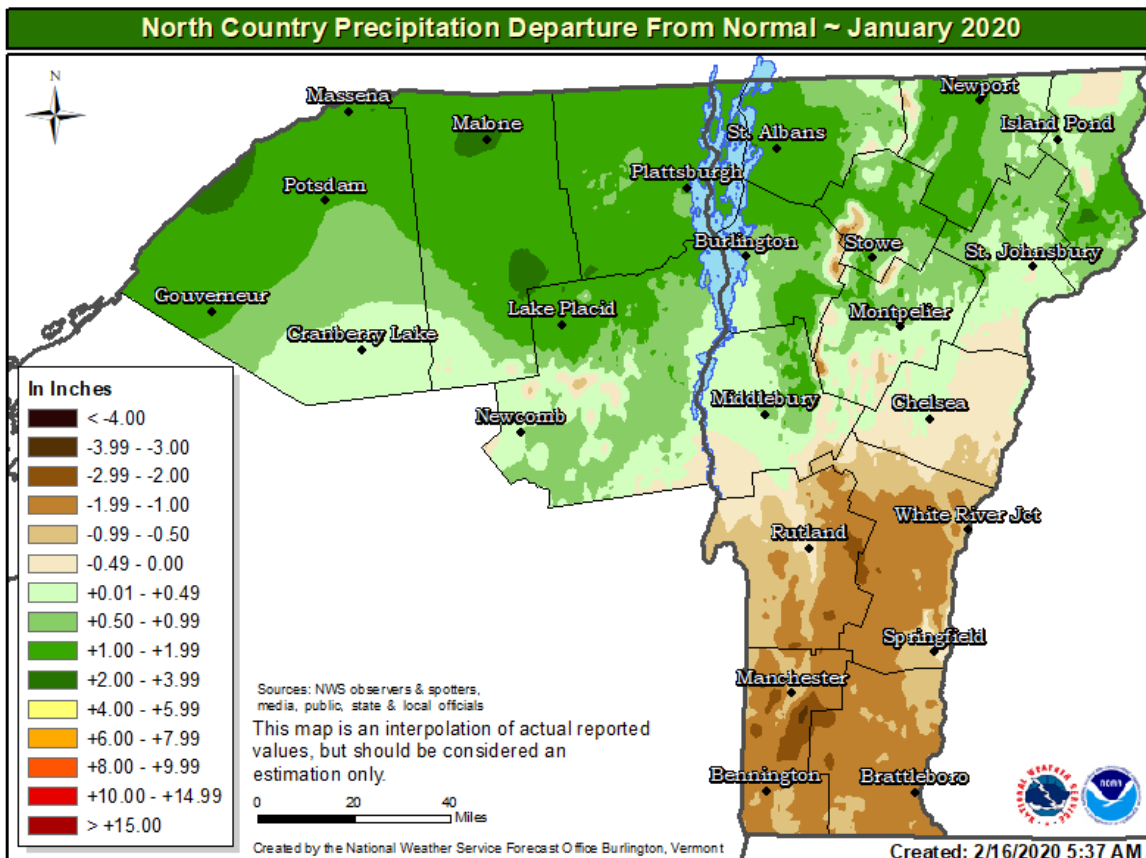


Figure 3: Precipitation departure from normal, January 2020.

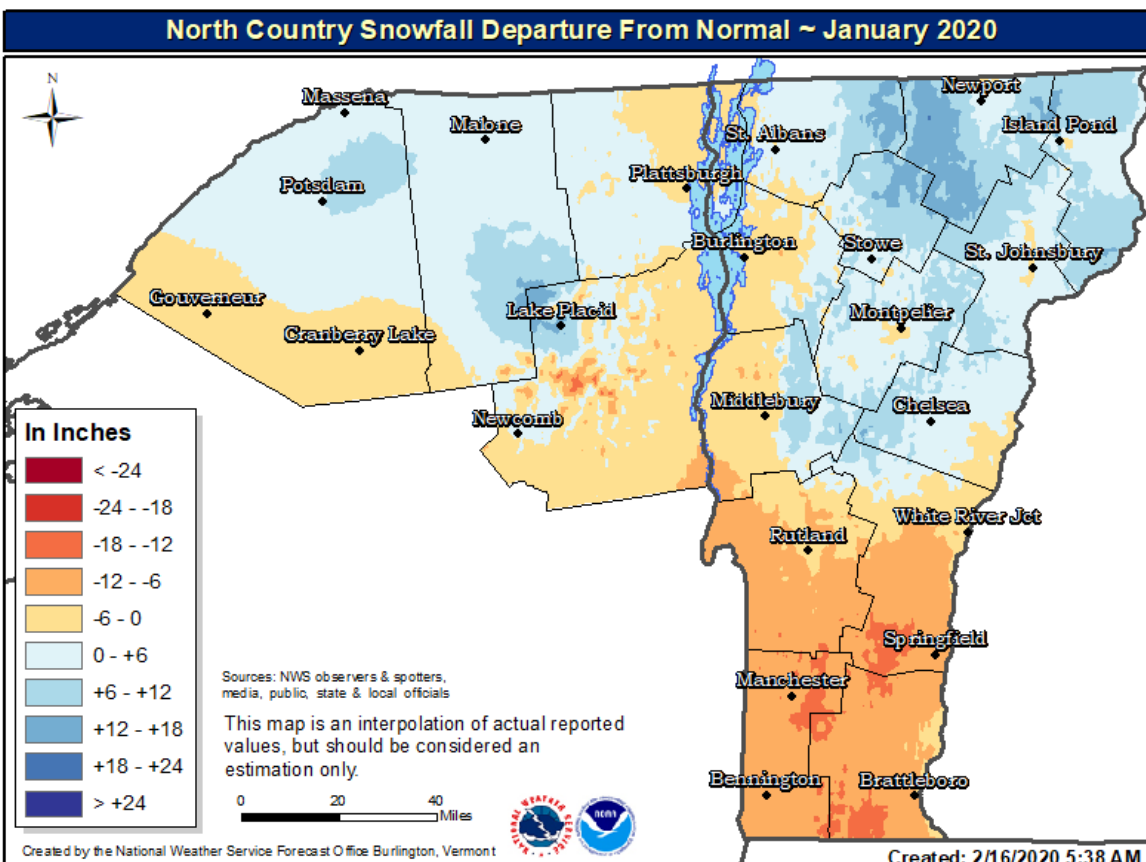


Figure 4: Departure from normal snowfall, January 2020.