

2025

February 14, 2025

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

Overall, January 2024 was a quiet month from a hydrological perspective in the NWS Burlington HSA. Monthly precipitation totals generally ranged from 0.5 to 3.0 inches with some slight variability (Fig. 1). On average, these values were near to slightly above normal for much of northern New York where positive departures of up to 0.5 inches were observed. Drier conditions were observed across much of Vermont, and values generally ran one to three inches below normal (Fig. 2). The same was reflected for wider valleys and eastern slopes in terms of snowfall departures, with many of these areas receiving up to twelve inches below average. However, many other areas saw above normal values for snowfall departures, particularly along the western slopes of the Green and Adirondack mountains, with up to 24 inches of snow above average (Fig 3). This contributed to the U.S. Drought Monitor's slight decrease in areal coverage of both D0 and D1 drought levels by the end of the month (Fig 4). In terms of streamflow, most streams showed generally average values with a few sites just above or below normal for January (Fig 5).

Notable Hydrology

There was no notable hydrology worthy of discussion during January other than the somewhat dry conditions discussed above. No flooding or high water issues were observed.

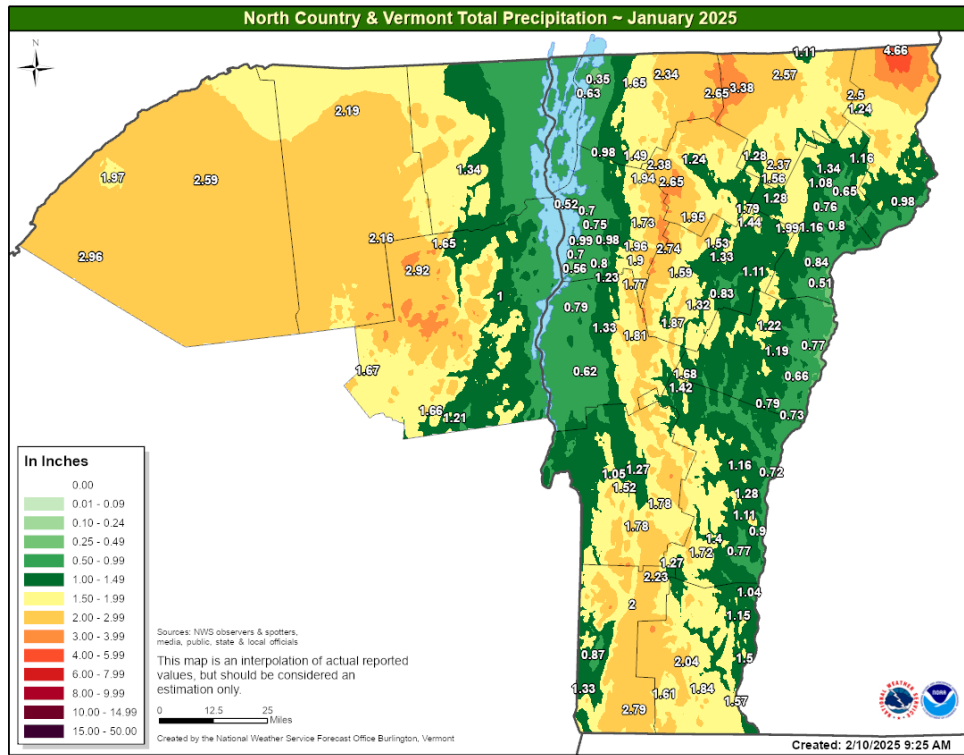


Figure 1: January 2024 monthly precipitation totals observed across the NWS Burlington HSA. Totals, on average ranged from 0.5 to 3.0 inches with some slight variability. Highest totals occurred at higher elevations while lower totals were seen in the Champlain and Connecticut River Valleys.

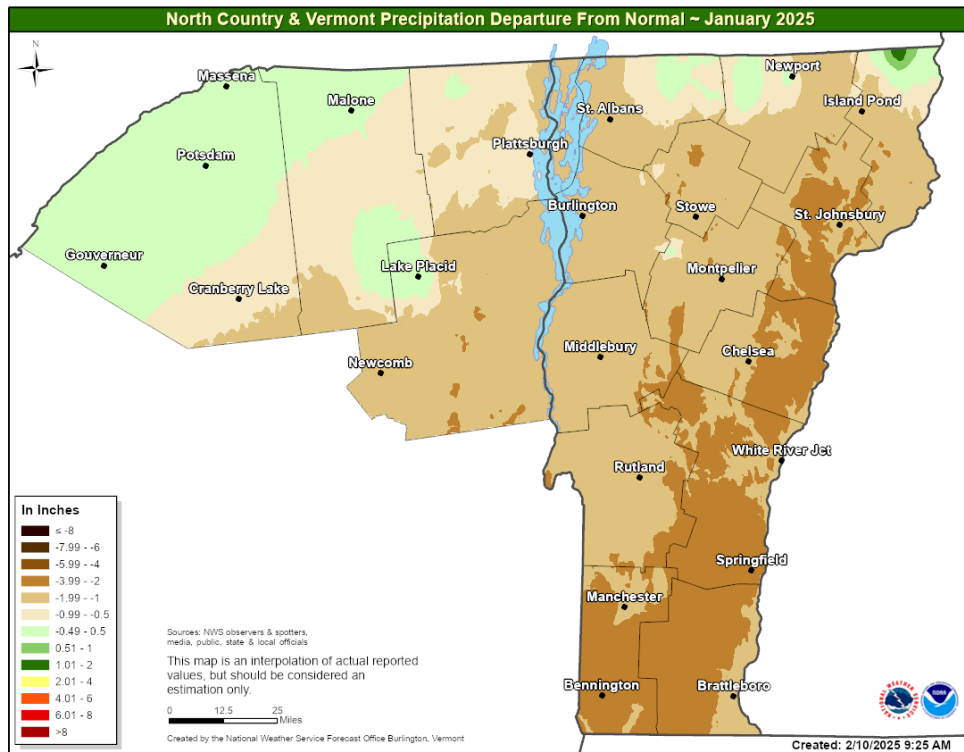


Figure 2: January 2024 precipitation departures from normal across the NWS Burlington HSA. Departures generally ran at or slightly above normal for much of northern New York and mainly below normal for most of Vermont.

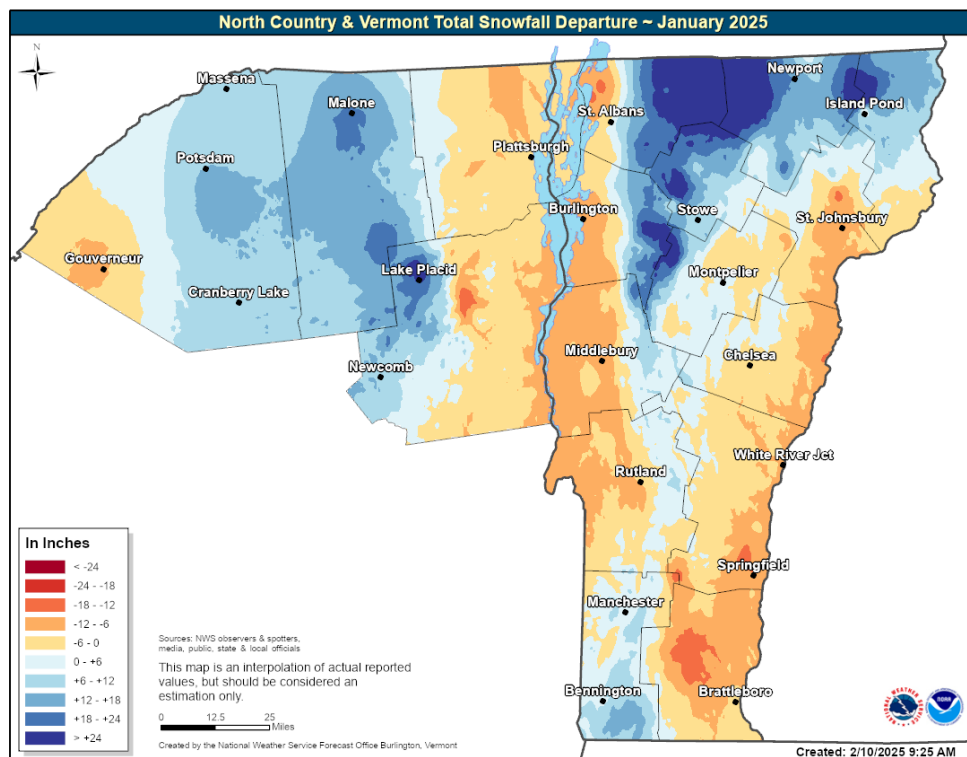


Figure 3: January 2025 snowfall departures from normal across the NWS Burlington HSA. Departures ran above normal for the western slopes of the mountain ranges and at or below normal in the wider valleys and eastern slopes of mountains.

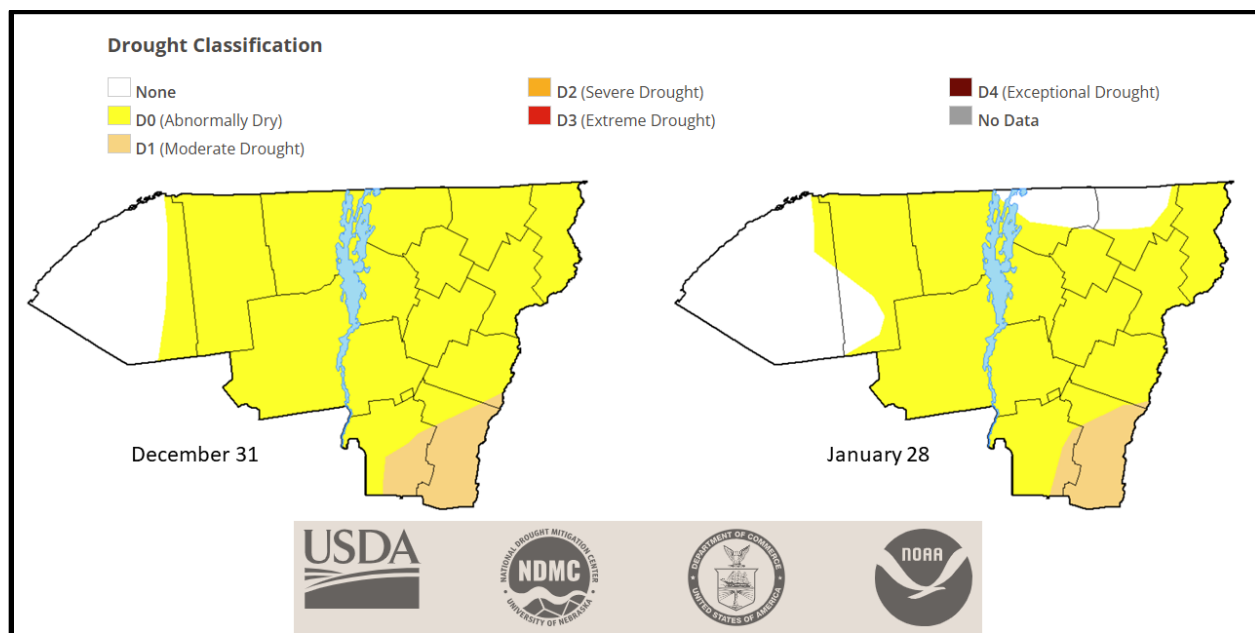


Figure 4: U.S. Drought monitor maps from December 31, 2024 and January 28, 2025 showing some lessening D0 (abnormally dry) and D1 (moderate drought) conditions across much of northern New York and Vermont by month's end.

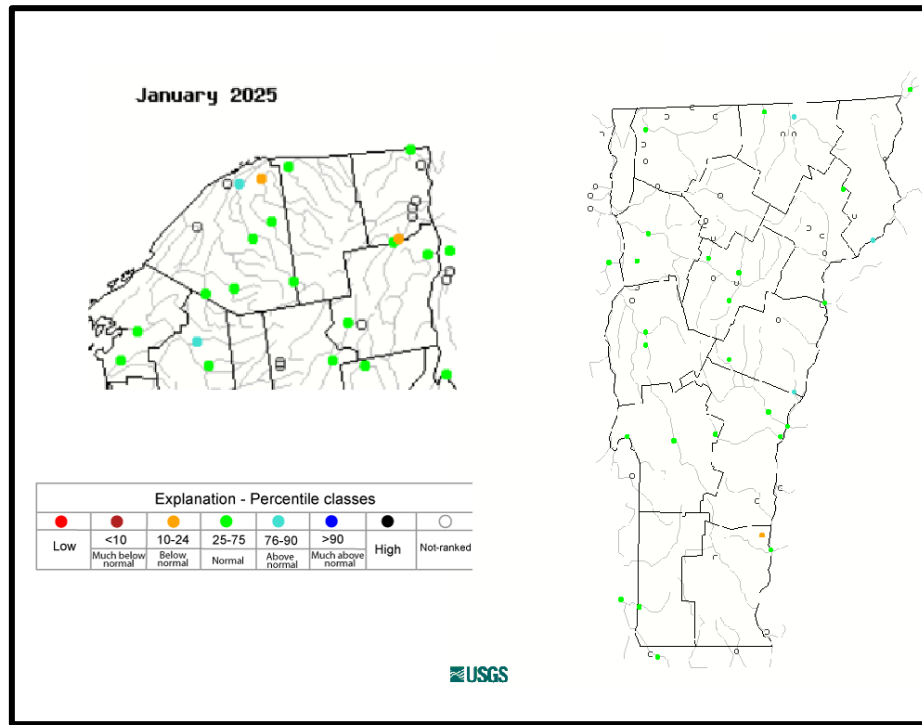


Figure 5: Monthly average streamflow for January 2025 showing generally average values for the NWS Burlington HSA, with a few sites below normal and a few sites above normal across northern New York and Vermont.