

Figure 1: March 2024 temperature departure from normal across the NWS Burlington, HSA. Mean 31-day values averaged from +5 to +7 degrees with several long term climate sites observing a top-5 warmest March on record.

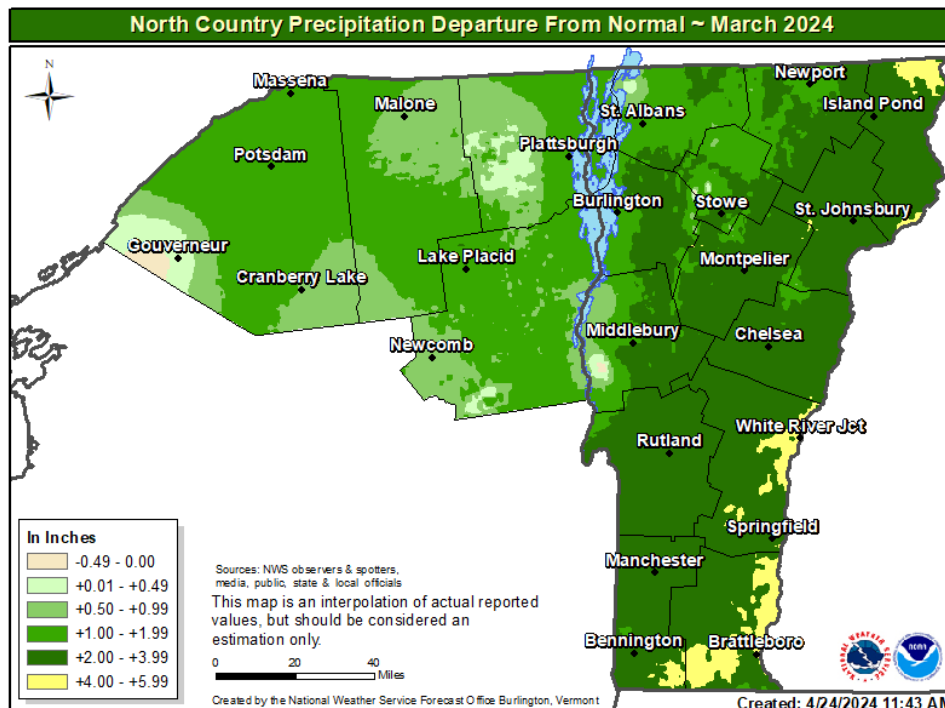


Figure 2: March 2024 monthly precipitation departures from normal across the NWS Burlington, VT HSA. On average, positive anomalies from +1 to +3 inches above the long term 30-year mean were observed with slightly drier conditions in parts of the Saint Lawrence Valley.

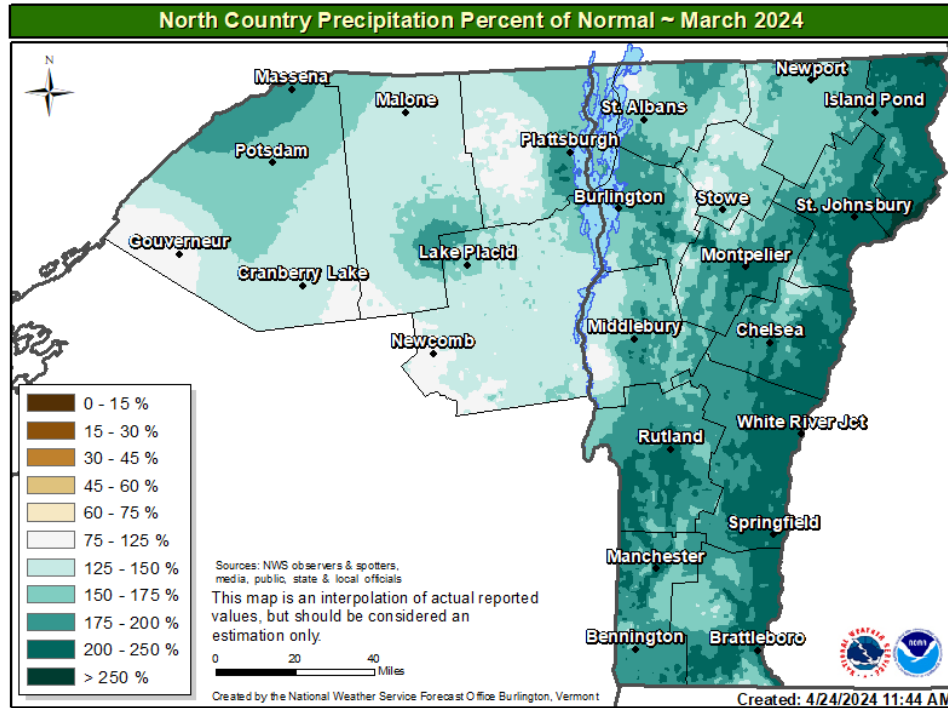


Figure 3: Monthly precipitation percent of normal for March 2024. Values were nearly all greater than 100% with highest departures across eastern and southern Vermont.

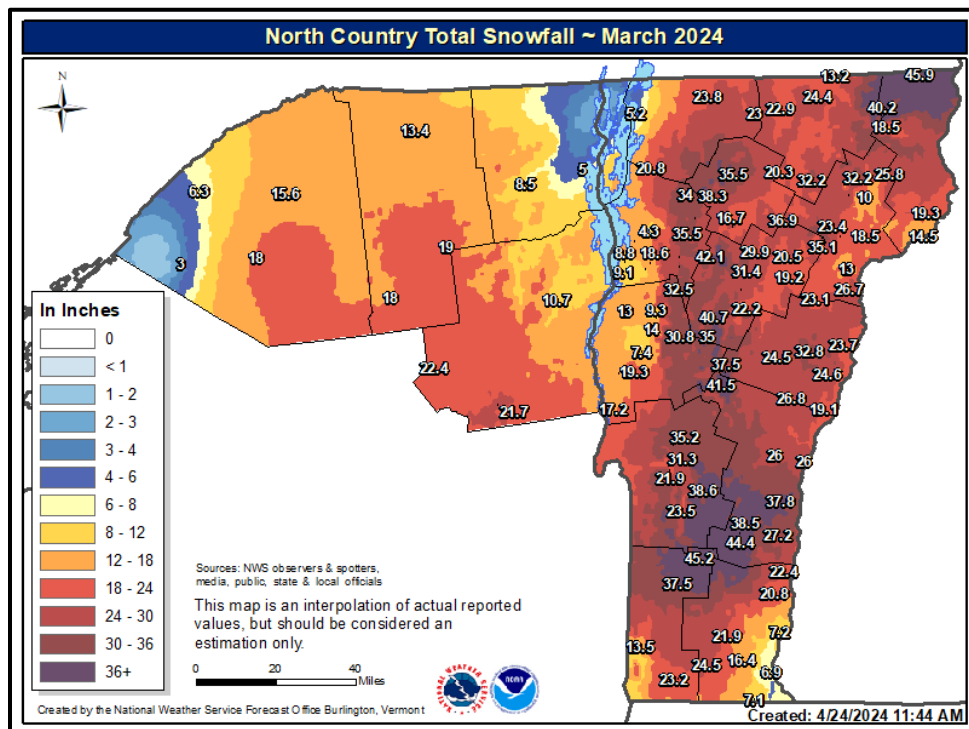


Figure 4: March 2024 snowfall totals across the NWS Burlington HSA. Several storm systems crossing the area produced heavy, late season snows. While all areas received beneficial snowfall, the heavier, more consistent amounts occurred across Vermont.

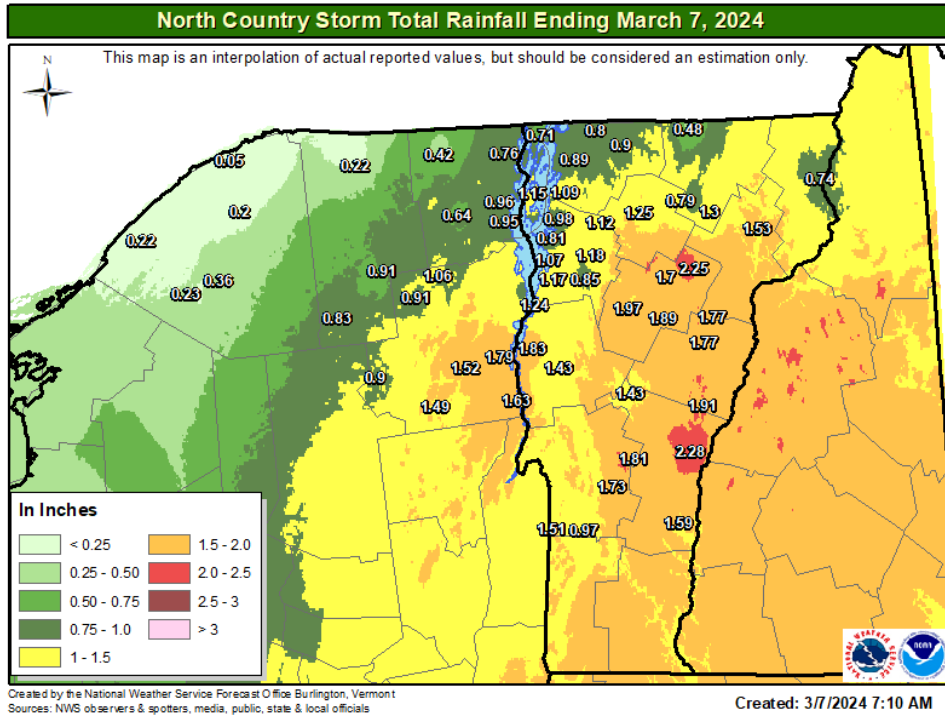


Figure 5: Multi-day rainfall plot from March 5-7, 2024. Widespread totals from 1 to 2.25 inches combined with ample snowmelt led to rapid stream and river rises and areas of flooding across portions of the NWS Burlington HSA.

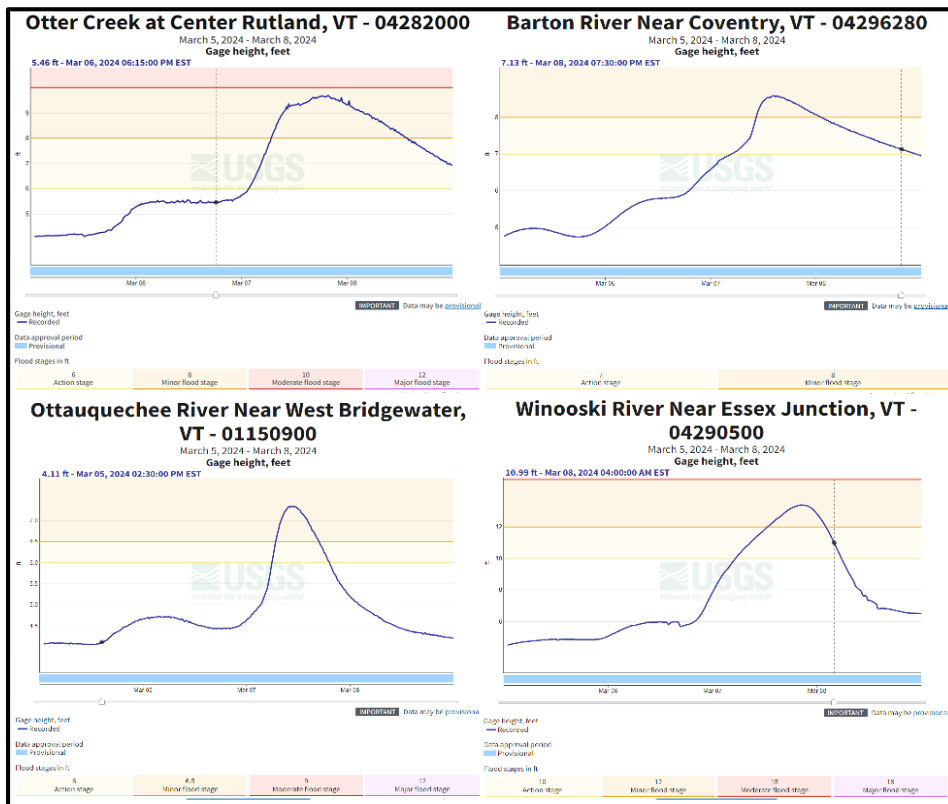


Figure 6: A sampling of river hydrographs from the March 5-7, 2024 flood event. Several river gauges saw impactful rises to above flood stage during the event, though thankfully moderate and major flood levels were not reached.