NWS Form E-5 **U.S. DEPARTMENT OF COMMERCE** **(04-2006)** **NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION** **(PRES. BY NWS Instruction 10-924)** **NATIONAL WEATHER SERVICE** **MONTHLY REPORT OF HYDROLOGIC CONDITIONS**	HYDROLOGIC SERVICE AREA (HSA) Burlington VT REPORT FOR: MONTH YEAR August 2025
TO: Hydrologic Information Center, W/OS31 NOAA's National Weather Service 1325 East West Highway Silver Spring, MD 20910-3283	SIGNATURE Adrianna Kremer, Meteorologist DATE September 15, 2025

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).

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

Overview

A dry pattern was observed across much of the Northeastern United States, including the NWS Burlington, VT HSA, throughout the month of August. Observed rainfall values ranged anywhere from 1 inch or less to around 3 inches. The higher amounts were mostly observed in the higher terrain of the Green Mountains and Adirondacks, as well as portions of southern Vermont, however eastern Vermont and the New York portion of the Champlain Valley saw rainfall amounts of an inch or less during this period (Fig. 1). The overall lack of precipitation led to widespread negative precipitation departures of 1 to 4 inches, which was anywhere from 15 to 45 percent of normal in the driest locations (Figs. 2 and 3). As a result, monthly average streamflows ran below normal to much below normal across the area (Fig. 4). After the prolonged stretch of dry weather, the U.S. Drought monitor showed degradation of conditions across the entire area over the course of the month (Fig. 5). By the end of the month, abnormally dry conditions (D0) or moderate drought (D1) prevailed across the entire NWS Burlington, VT HSA (Fig. 6).

Notable Hydrology

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

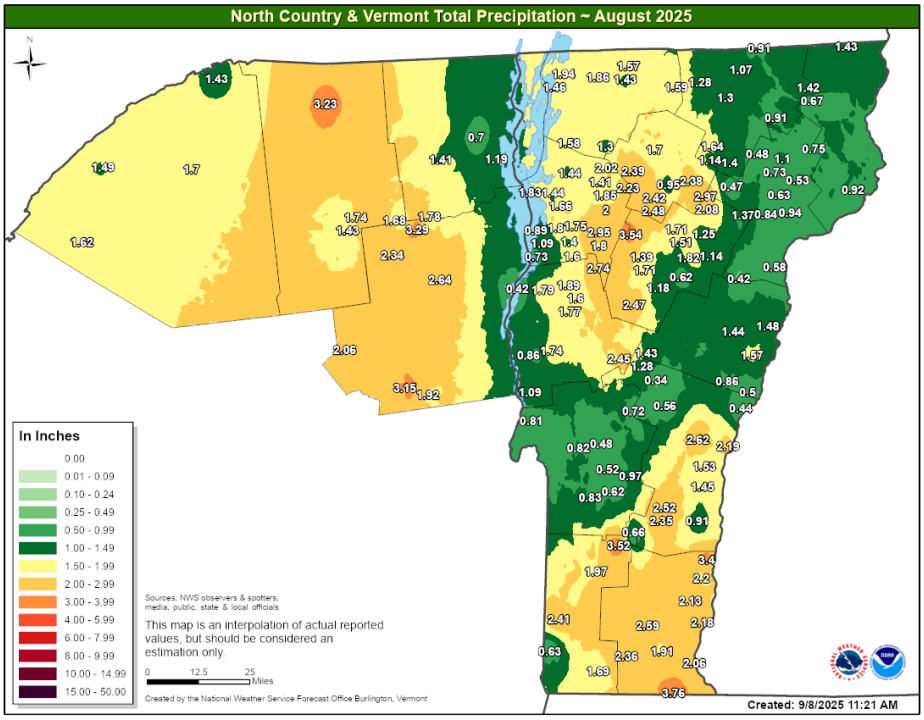

Figure 1: August 2025 precipitation across the NWS Burlington, HSA. Overall, values from one to three inches were commonplace, with the Champlain Valley of New York and eastern Vermont receiving the least amount of rain.

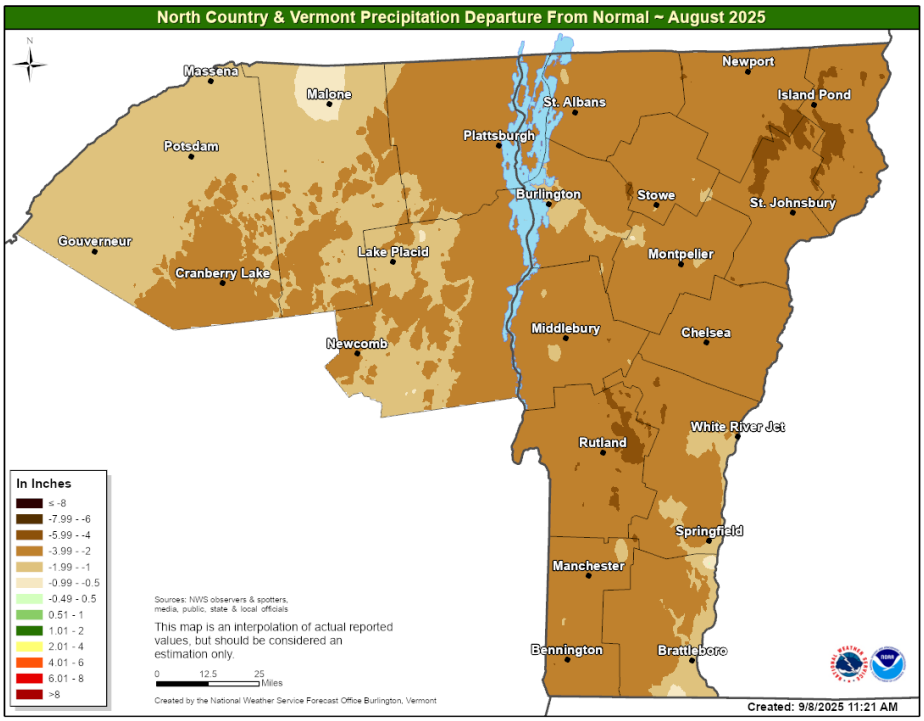

Figure 2: August 2025 precipitation departures (in inches) across the NWS Burlington HSA. Most areas observed negative departures between 1 and 4 inches.

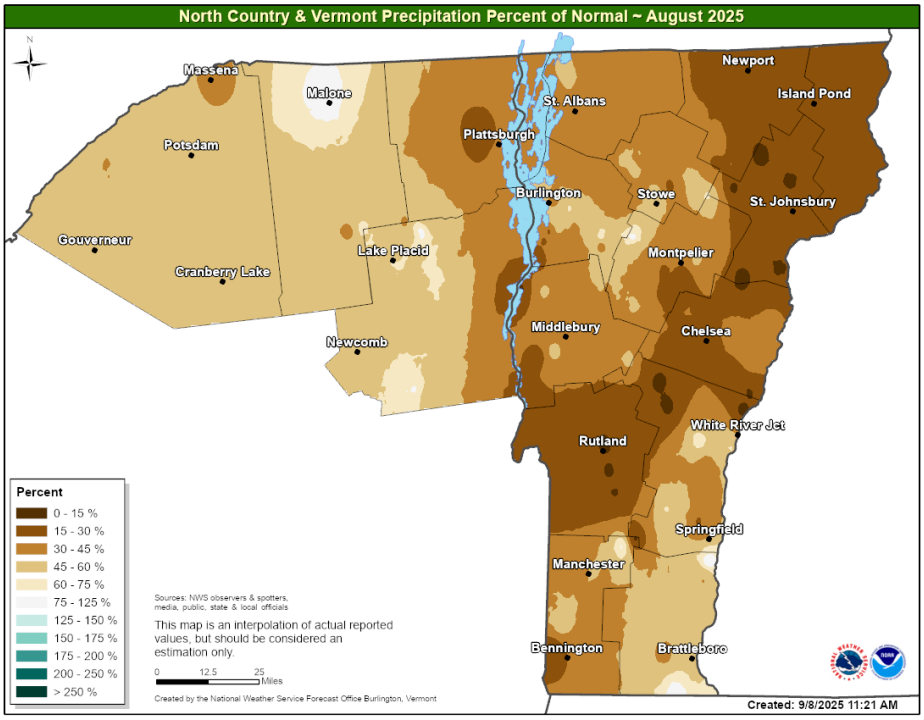

Figure 3: Percent of normal precipitation in August 2025 for the NWS Burlington HSA. The driest areas in the Champlain Valley of New York and eastern Vermont saw values only in the 15-45 percent range, while most of the HSA received less than 75 percent of normal.

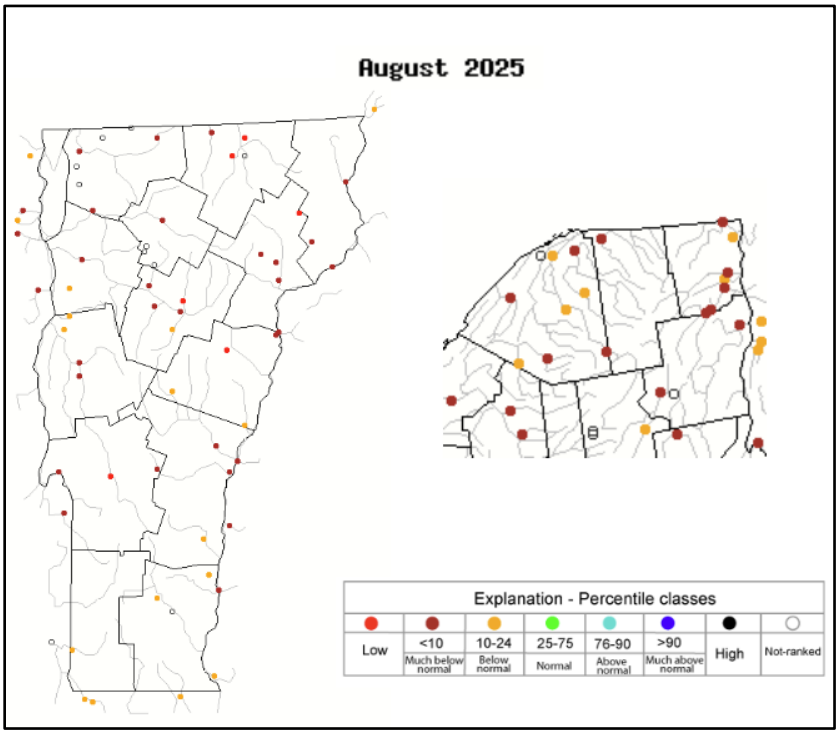

Figure 4: Monthly average streamflow for August 2025 showing below normal values for portions of the NWS Burlington HSA.

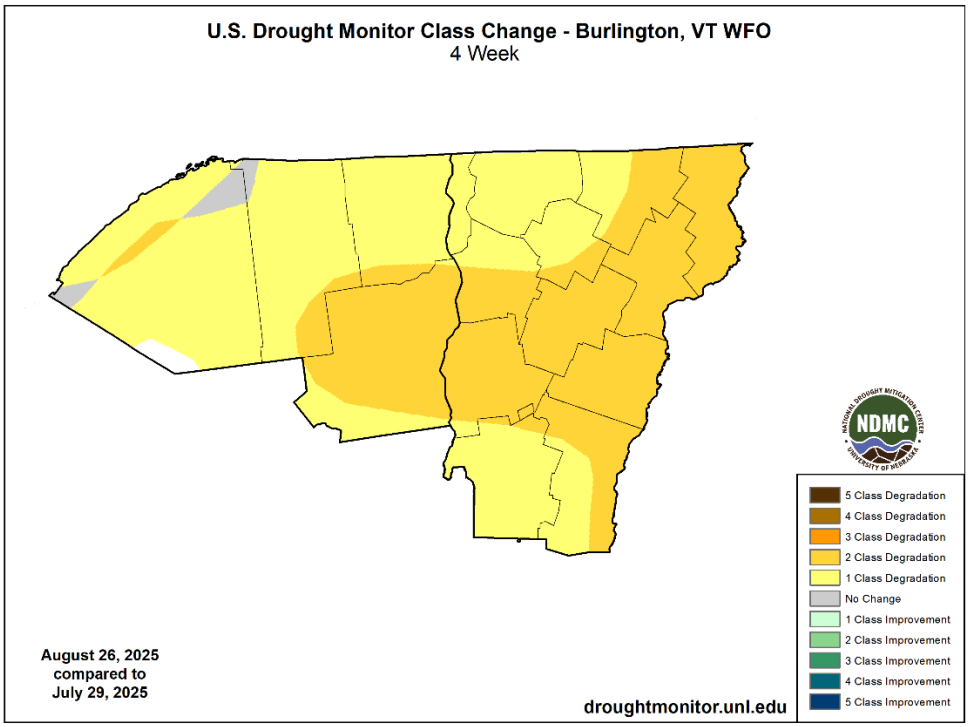

Figure 5: U.S. Drought Monitor Class Change map for the NWS Burlington HSA showing August 26, 2025 compared to July 29, 2025. The overall dry pattern through the month of August lead to a 1 or 2 class degradation across the area.

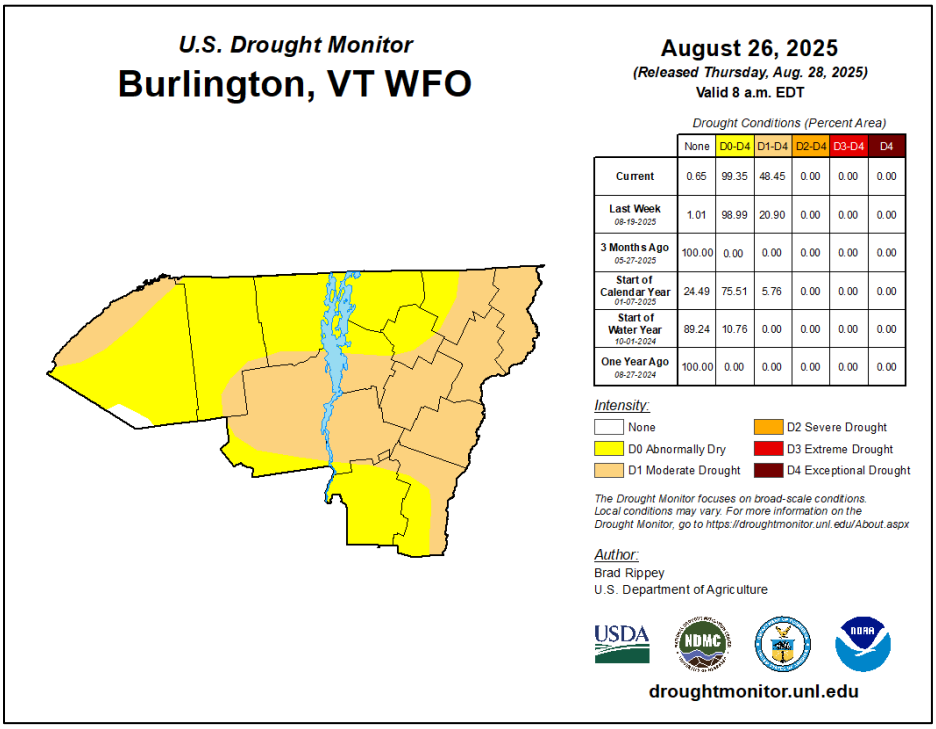

Figure 6. U.S. Drought Monitor Map from August 26, 2025 showing widespread D0 and D1 conditions across the NWS Burlington HSA.