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
MONTHLY REPORT OF HYDROLOGIC CONDITIONS		REPORT FOR: MONTH: June YEAR: 2025
TO: Hydrologic Information Center, W/OS31 NOAA's National Weather Service 1325 East West Highway Silver Spring, MD 20910-3283		SIGNATURE: John Goff / Senior Service Hydrologist DATE: July 16, 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).

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

Overview

The month of June 2025 was a rather uneventful one across the NWS Burlington HSA. Several weak cold fronts crossed the region during the period with scattered rainfall in the form of showers and a few thunderstorms. Overall, 30-day precipitation totals ranged from 2 to 5 inches across the area with some customary variability (Fig. 1). These totals were generally below normal for many areas with negative departures as high as 2 to 3 inches across portions of the Northern Adirondacks and central Vermont (Figs. 2 and 3). The primary exception was in southeastern Vermont along the Connecticut River where higher totals were observed. This was mainly due to a localized heavy rainfall/flash flooding event which occurred on June 6 (see below). Despite the somewhat below normal precipitation, average monthly streamflows remained near 30-day climatological norms (Fig. 4). This was generally reflective of the heavy precipitation occurring in the month prior and residual interflow/runoff.

Notable Hydrology

The most notable hydrologic event of June 2025 occurred on the 6th as a weak cold front crossed the area with scattered showers and thunderstorms. During the afternoon, several clusters of slow-moving storms developed across the southern portions of Windsor County, Vermont, producing locally heavy rainfall. Reliable radar estimates and gauge observations confirmed scattered totals of between 2 and 4 inches occurred in this area, especially in the vicinity of Chester, Amsden and Springfield, VT. In these regions, reports of scattered flash flooding were received with several road washouts/closures due to high water (Fig. 5). A summary Local Storm Report of this event, including observed flash flooding in southern Windsor County, can be accessed here.

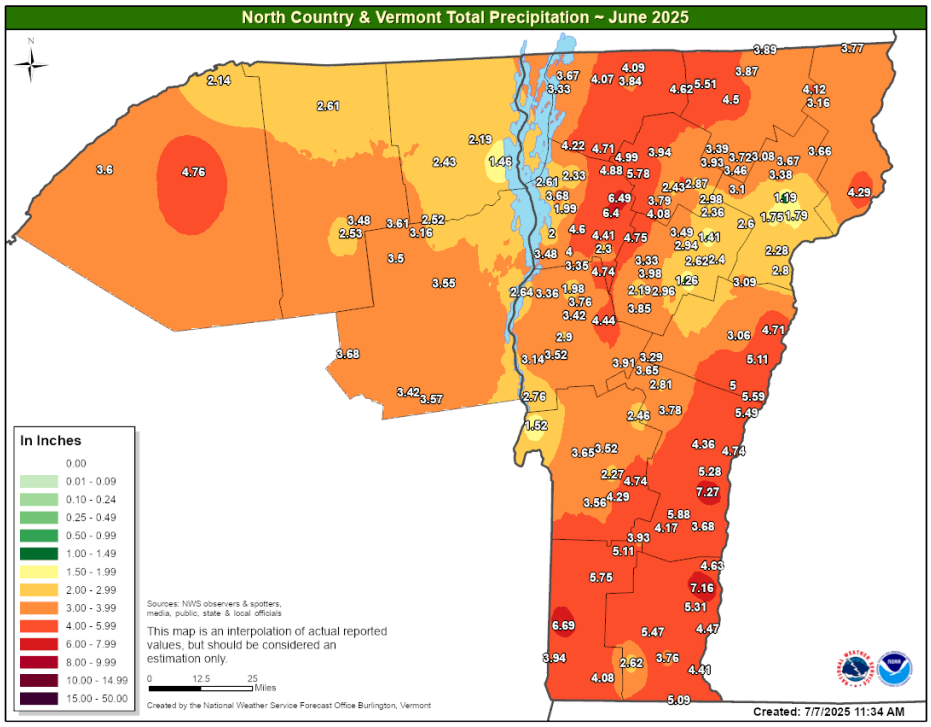

Figure 1: June 2025 monthly precipitation across the NWS Burlington, VT HSA. 30-day totals generally ranged from 2 to 5 inches with customary variability. Locally higher amounts were observed in portions of southeastern Vermont.

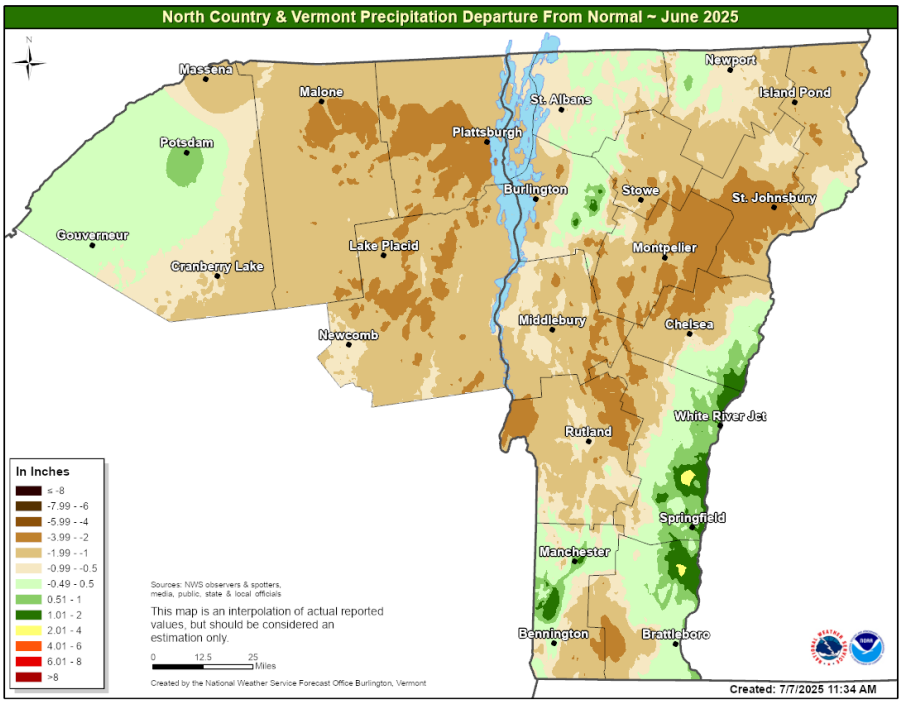

Figure 2: June 2025 monthly precipitation departures from normal across the NWS Burlington, VT HSA. On average, below normal values were observed, an exception being along the Connecticut River in southeastern Vermont.

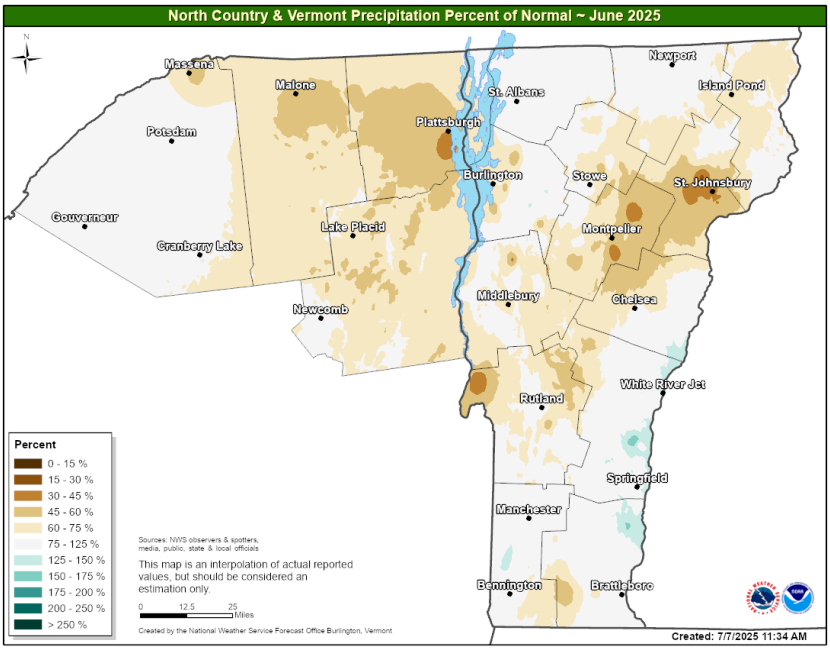

Figure 3: June 2025 monthly precipitation percent of normal across the NWS Burlington, VT HSA. Most of the region fell within the 50 to 75th percentile range, indicative of overall dryness during the 30-day period.

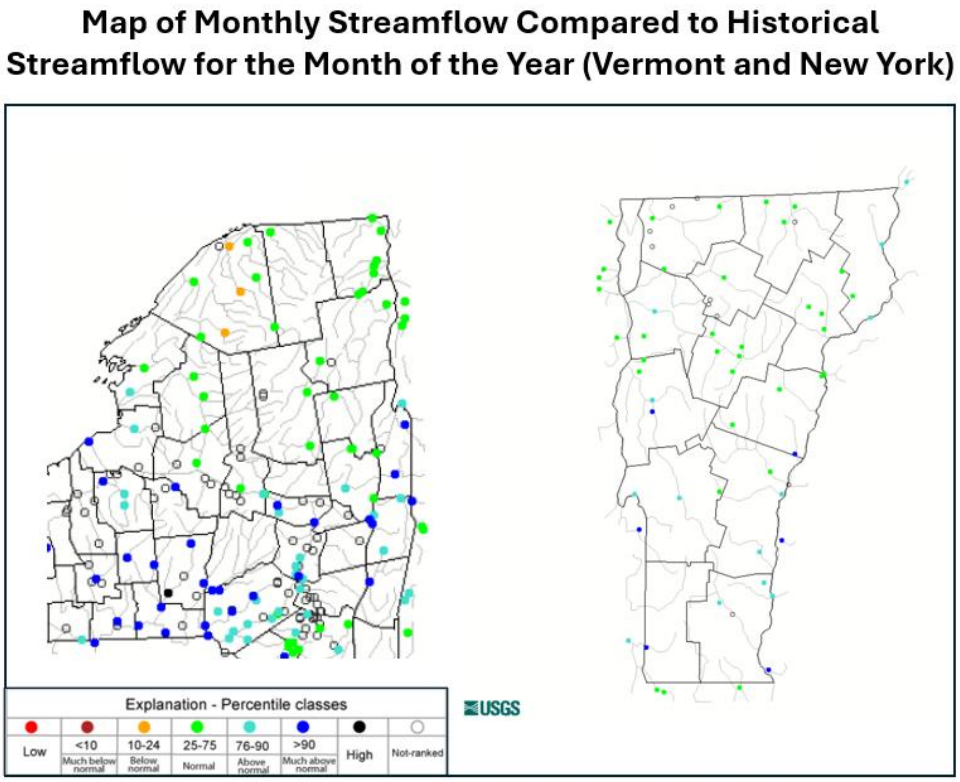

Figure 4: June 2025 monthly average streamflow for Vermont and northern New York. The map above shows near normal streamflow across most of the area except for some scattered lower levels in the St. Lawrence Valley of New York.

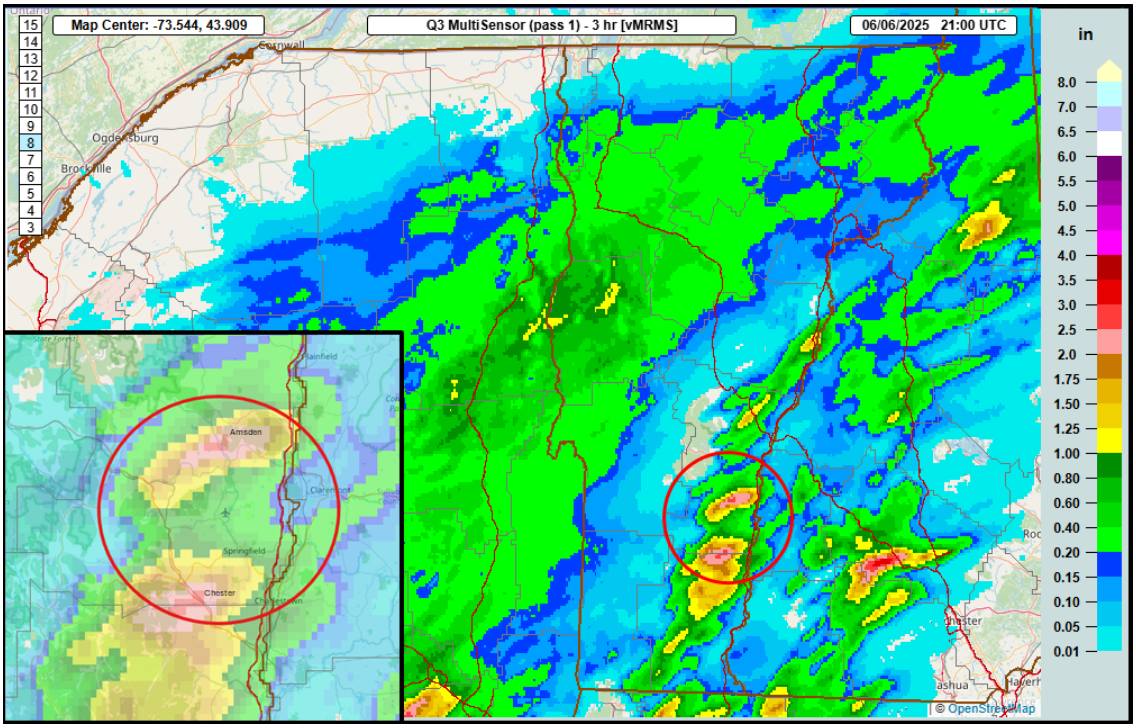

Figure 5: Three-hour MRMS precipitation estimates across the Burlington, VT HSA from 1800-2100 UTC on June 6, 2025. Localized heavy totals of between 1.5 and 3 inches occurred in southern Windsor County, VT in the vicinity of Chester, Amsden and Springfield, VT (see inset) where scattered areas of flash flooding occurred.