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 August YEAR 2017
TO: Hydrologic Information Center, W/OS31 NOAA's National Weather Service 1325 East West Highway Silver Spring, MD 20910-3283		SIGNATURE John Goff/Lead Meteorologist WFO BTV DATE 9/02/2017

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.

A quiet weather pattern settled across northern New York and Vermont during the month of August 2017 with high pressure dominating the synoptic scale and interrupted only briefly by occasional frontal passages with showers. Localized areas of heavier rainfall did occur with a few of these fronts, with a Flash Flood Warning issued for a small area of the western Adirondacks on the 3rd, and an Areal Flood Warning issued for southern Saint Lawrence County on the 7th. However, no river or flash flooding was reported (Table 1). With high pressure in general control, monthly precipitation was on the lighter side with monthly totals ranging from 1.5 to 3.0 inches from the eastern slopes of the Adirondacks east into Vermont, and 2.5 to 3.5 inches from the western Adirondacks into the Saint Lawrence Valley (Fig. 1). These values averaged below normal as a whole with mean monthly departures running in the -0.50 to -2.50 inch range. Only a small portion of the western Adirondacks into the Saint Lawrence Valley saw near normal rainfall (Fig. 2). Not surprisingly, mean river flows across the region trended slowly downward through the month with average levels falling in the normal to slightly below normal range by months end (Fig. 3). No ground moisture or water deficit concerns developed however, with abnormally dry, low-end drought concerns remaining well east of the Burlington HSA across far eastern New England (Fig. 4).

Flood/Flash Flood Warning VTEC number	Date AUG 2017	Issuance Time (UTC)	Counties, State
FFW 0016	3	20:32	Franklin, St. Lawrence, NY
FLW 0012	7	22:31	St. Lawrence, NY

Table 1: List of Areal Flood and Flash Flood Warnings issued in August 2017.

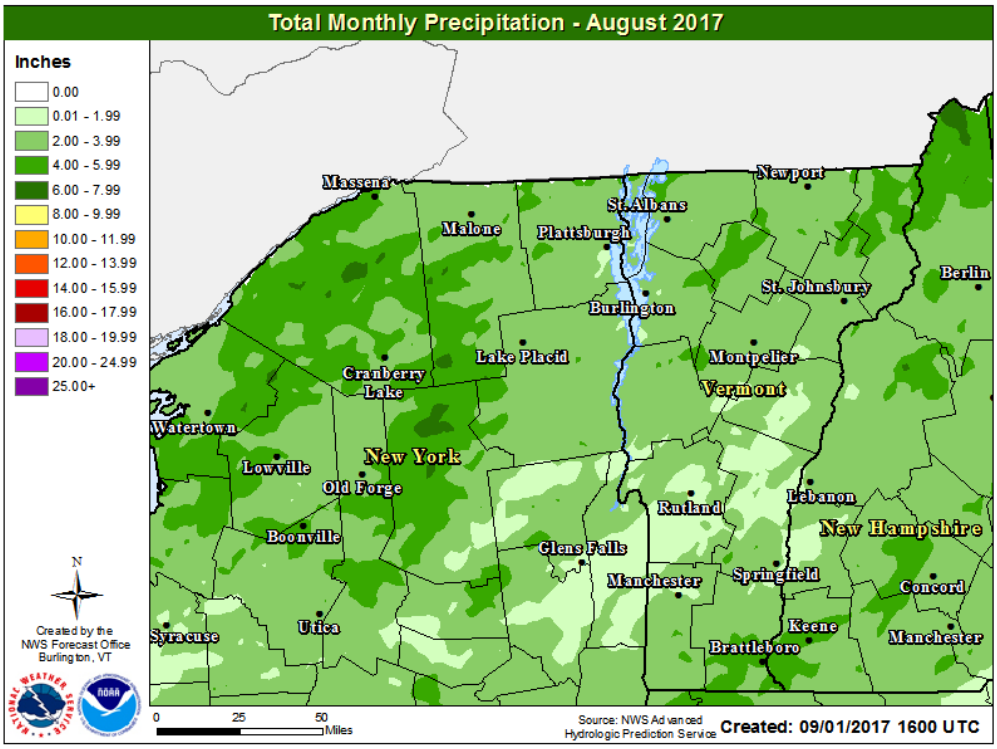

Figure 1: August rainfall totals generally averaged from 1.5 to 2.5 inches across the Burlington HSA. Slightly higher totals from 2.5 to 3.5 inches were observed in the western Adirondack Mountains and the St. Lawrence Valley of northern New York.

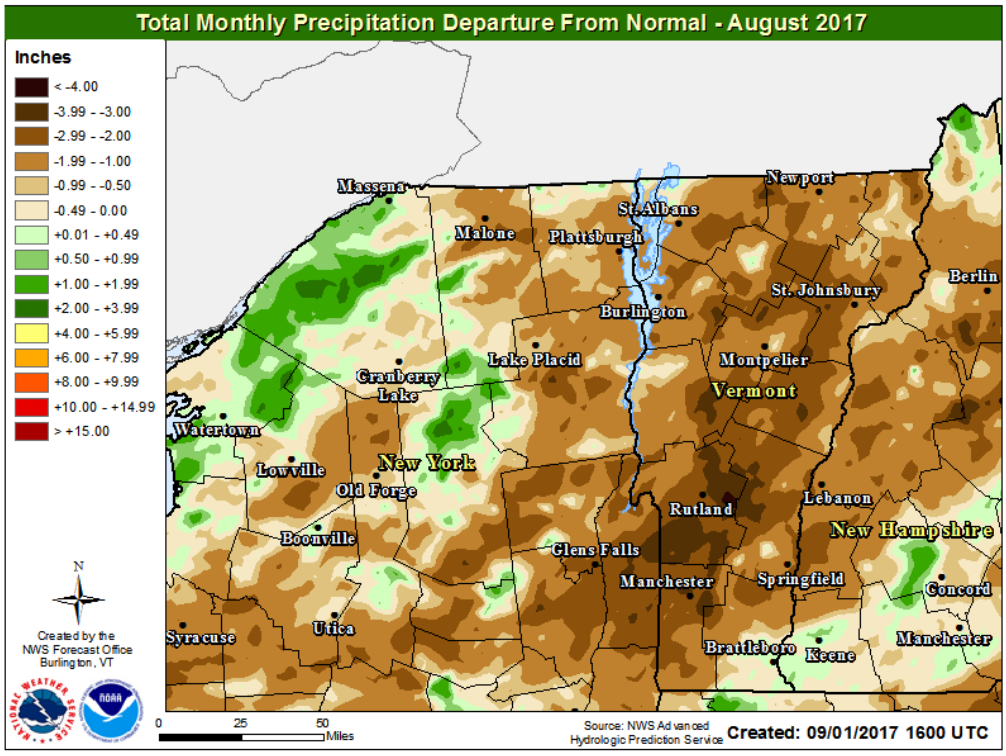

Figure 2: Precipitation departures averaged from -0.50 to -2.50 inches across much of the Burlington HSA in August 2017. Only portions of the western Adirondacks and the St. Lawrence Valley saw totals near or slightly above normal.

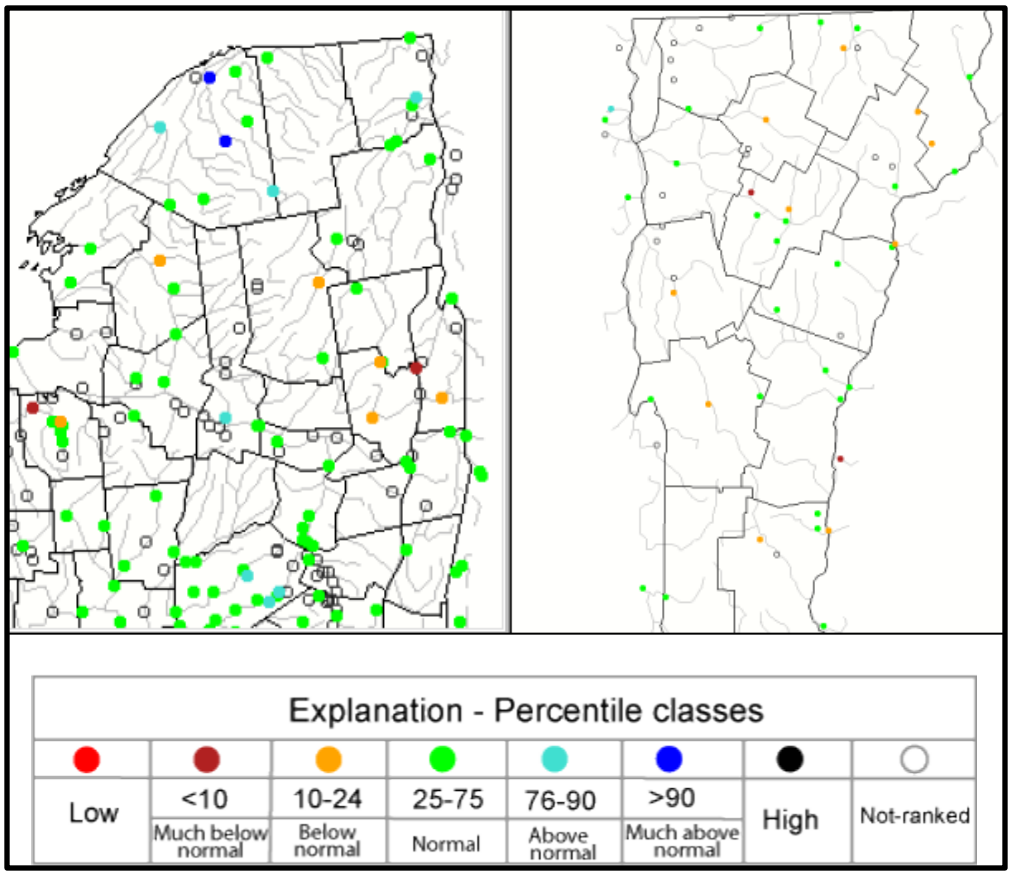

Figure 3: 7-day average streamflow from 27 August 2017 to 02 September 2017 showing average to below average level levels compared to historical norms. Only the St. Lawrence Valley of New York saw near to above normal levels.

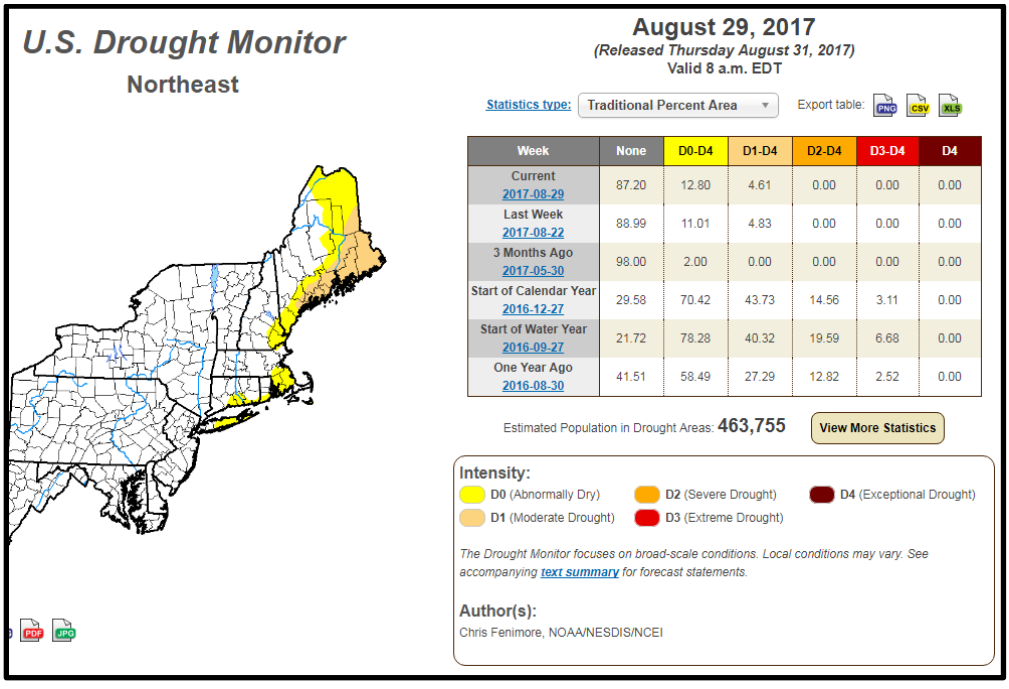

Figure 4: U.S. Drought Monitor data from 29 August 2017 showed that despite the drier than normal conditions in August the Burlington HSA remained out of any larger-scale drought concerns.