

<b>NWS Form E-5</b> (04-2006) (PRES. BY NWS Instruction 10-924)	<b>U.S. DEPARTMENT OF COMMERCE</b> <b>NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION</b> <b>NATIONAL WEATHER SERVICE</b>	HYDROLOGIC SERVICE AREA (HSA) Burlington VT
		REPORT FOR: MONTH            YEAR November        2017
<b>MONTHLY REPORT OF HYDROLOGIC CONDITIONS</b>		SIGNATURE /s/ John M. Goff, METEOROLOGIST WFO BTV
TO: Hydrologic Information Center, W/OS31 NOAA's National Weather Service 1325 East West Highway Silver Spring, MD 20910-3283		DATE December 10, 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).

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

November 2017 was a rather uneventful month across the Burlington, VT HSA with weak systems and their accompanying frontal boundaries producing mainly light precipitation every few days. Temperatures averaged on a whole near normal for the 30-day period. By the end of the month negative precipitation departures from 1 to 3 inches were observed across most watersheds from the Adirondacks eastward, with slightly higher, near normal values across the St. Lawrence Valley (Figure 2). Despite the relative dryness, no large-scale water resource issues occurred as plentiful summer rainfall allowed soil moisture levels to remain on par with normal mid-Autumn values. Despite the drier than normal conditions, flooding was observed along the Oswegatchie River in St. Lawrence County from the 2<sup>nd</sup> through the 4<sup>th</sup> as heavier flows from prior heavy rainfall in late October slowly fed toward the St. Lawrence River. A Flood Warning was issued on the evening of the 1<sup>st</sup> with follow-up statements continuing for several days. Flooding was generally minor and mainly confined to a few secondary roads and lowland fields (Figures 3 and 4). Other than this one case, no other flooding occurred during the month.

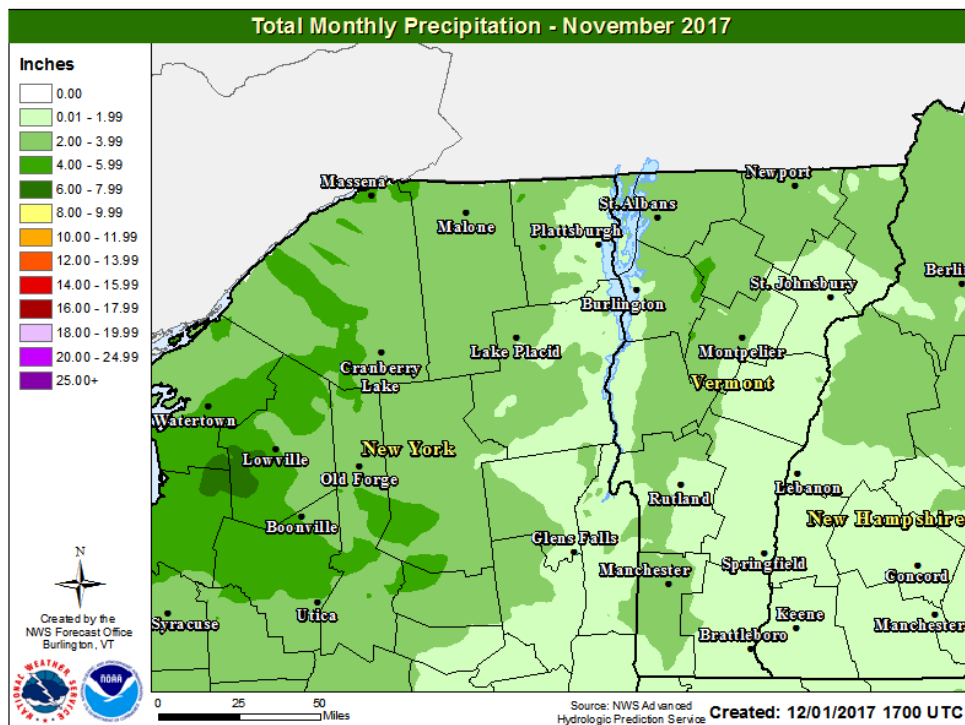


Figure 1: Monthly precipitation for November 2017. Totals generally ranged from 1 to 2.5 inches from the Adirondacks eastward into Vermont, with slightly higher amounts observed in the St. Lawrence Valley.

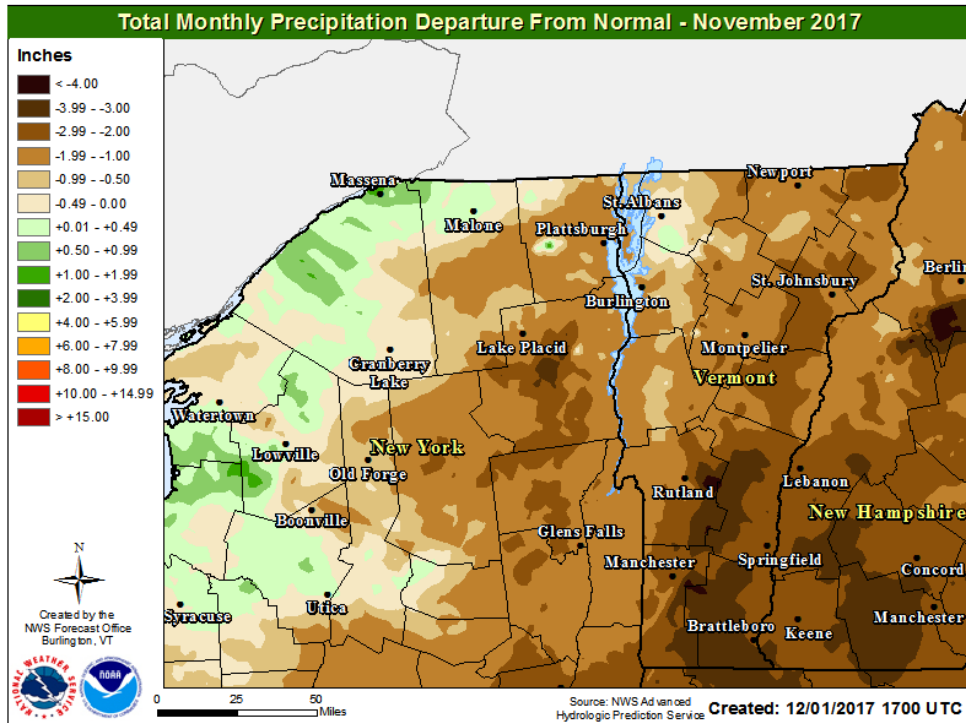


Figure 2: Monthly precipitation departure from normal for November 2017 for the Burlington, VT HSA. Negative departures of 1 to 3 inches were observed for most watersheds from the Adirondacks east into Vermont with near normal values in the St. Lawrence Valley.



Figure 3: River Road along the Oswegatchie River in Rensselaer Falls, NY on 3 November, 2017.



**Figure 4: Hydro Dam on the Oswegatchie River in Heuvelton, NY on 3 November, 2017.**

**Significant River Crests  
November 2017  
WFO Burlington VT**

<b>Location</b>	<b>ID</b>	<b>Date</b>	<b>Time (UTC)</b>	<b>Crest Stage (ft)</b>	<b>Flood Stage (ft)</b>
OSWEGATCHIE RIVER @ HEUVELTON, NY	HEUN6	11/03/17	1315	7.93	7.5