

MONTHLY REPORT OF HYDROLOGIC CONDITIONS

REPORT FOR:
MONTH YEAR
August 2018

TO: Hydrologic Information Center, W/OS31
NOAA's National Weather Service
1325 East West Highway
Silver Spring, MD 20910-3283

SIGNATURE
/s/ Jessica Neiles, Meteorologist

DATE
09/24/2018

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.

August 2018 was another warm and dry month across Northern New York and Vermont with no major weather events to speak of. High pressure was overall in control, precipitation was on the light side and irregular in coverage from scattered showers and thunderstorms occasionally. There was no flooding reported. Around 1.5 - 6.5" of rain fell during the month, lowest totals North and highest totals South (see Figure 2). Most of the region had precipitation well below normal, with the exception of Rutland and Windsor Counties in Vermont which were above normal (see Figure 3). The entire area experienced temperatures well above normal (see Figure 1). In fact, August was the warmest on record at Burlington with a mean temperature of 74.5°. It was the second warmest August on record at both Montpelier and Massena with mean temperatures of 68.3° and 71.9° respectively. The areal coverage of drought increased across the region, and was also upgraded to D2 in some areas (see Figure 5).

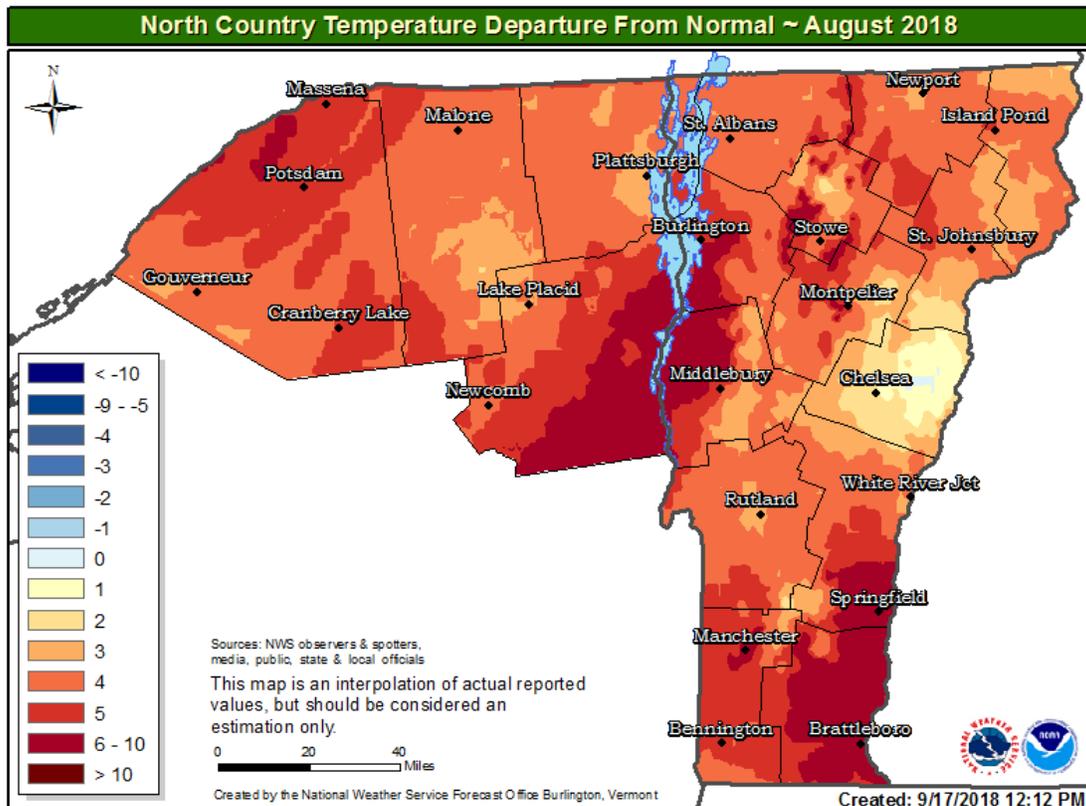


Figure 1: Monthly mean temperature departure (August 2018)

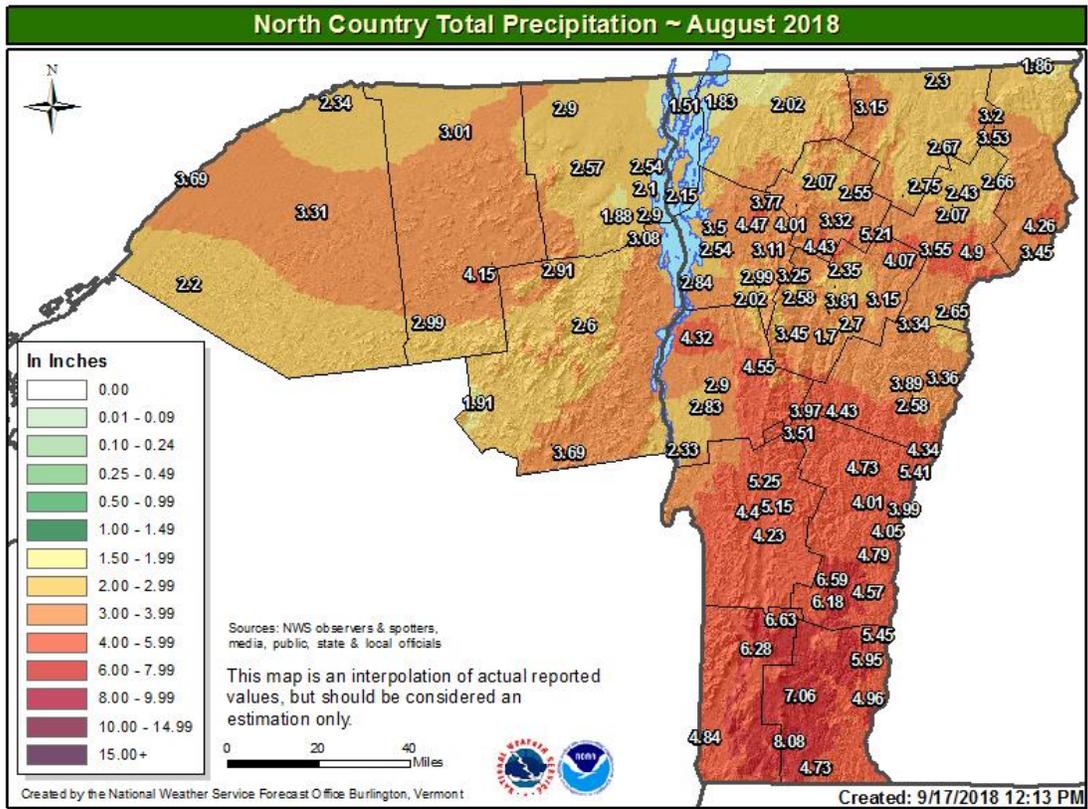


Figure 2: Monthly precipitation totals (August 2018)

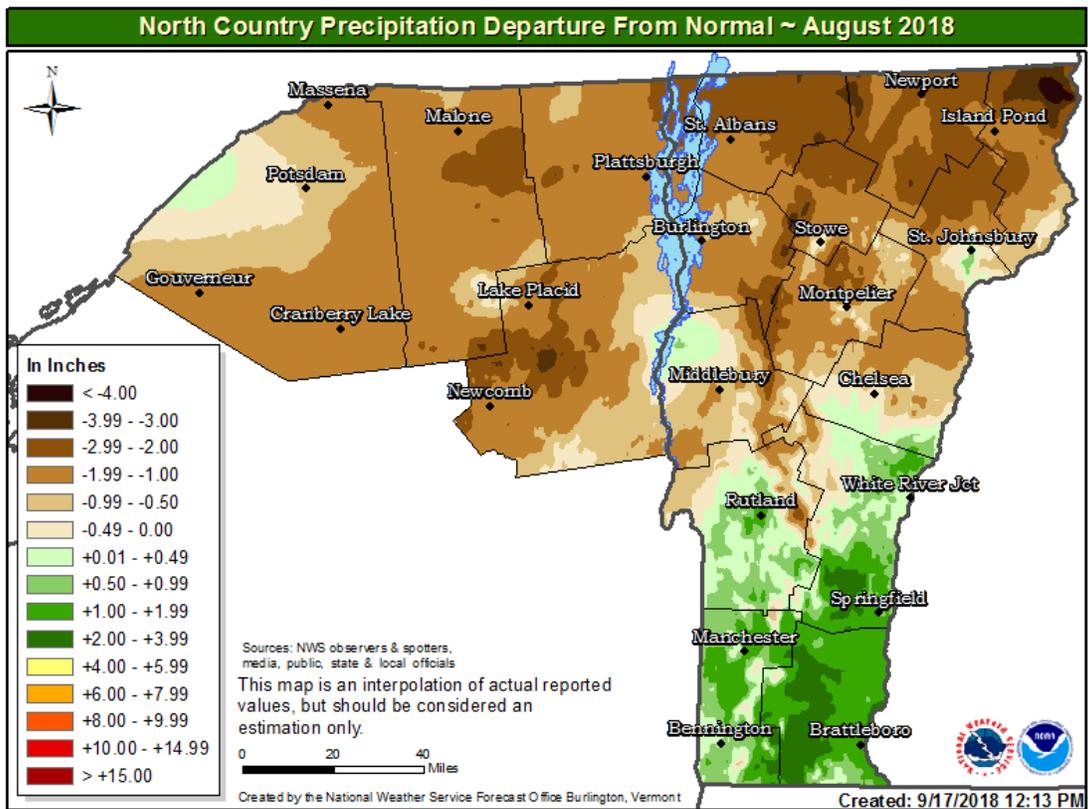


Figure 3: Monthly precipitation departure from normal (August 2018)

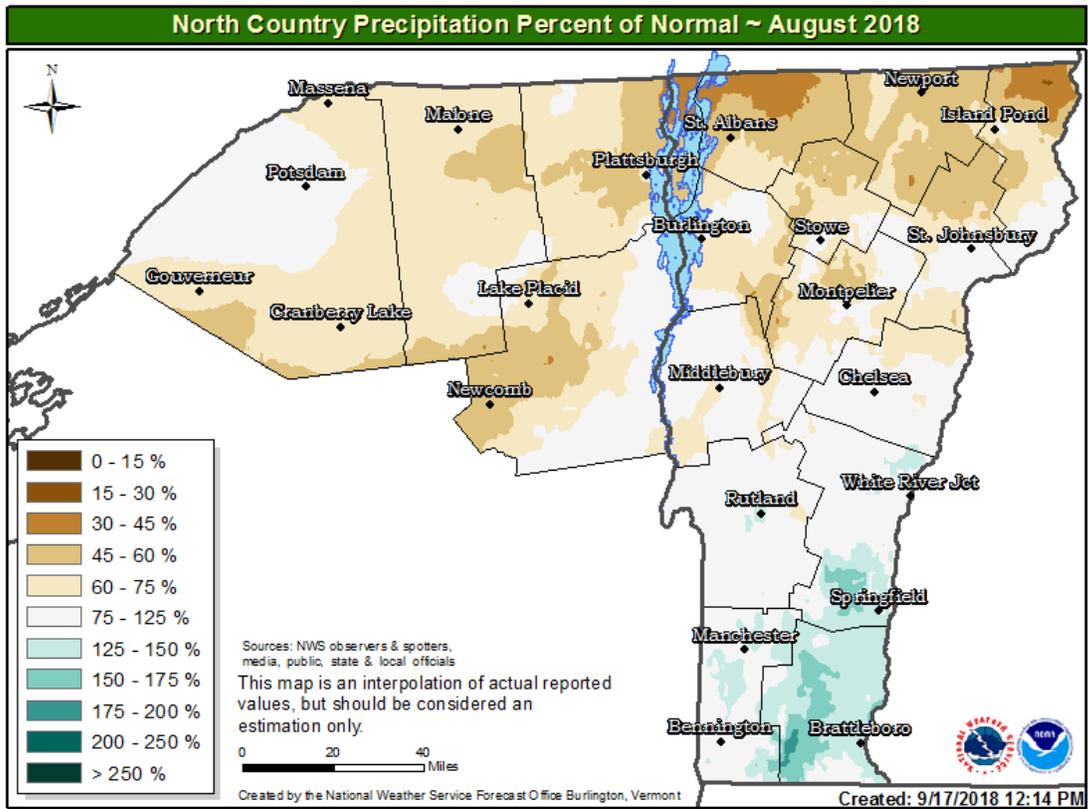
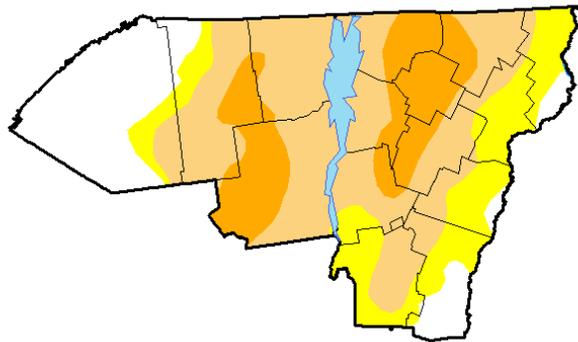


Figure 4: Monthly precipitation percent of normal (July 2018)

**U.S. Drought Monitor
 Burlington, VT WFO**

September 4, 2018
 (Released Thursday, Sep. 6, 2018)
 Valid 8 a.m. EDT



Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	20.39	79.61	60.94	18.15	0.00	0.00
Last Week 08-28-2018	20.44	79.56	58.72	0.00	0.00	0.00
3 Months Ago 06-05-2018	100.00	0.00	0.00	0.00	0.00	0.00
Start of Calendar Year 01-02-2018	92.27	7.73	0.00	0.00	0.00	0.00
Start of Water Year 09-26-2017	92.36	7.64	0.00	0.00	0.00	0.00
One Year Ago 09-05-2017	100.00	0.00	0.00	0.00	0.00	0.00

Intensity:
 D0 Abnormally Dry D3 Extreme Drought
 D1 Moderate Drought D4 Exceptional Drought
 D2 Severe Drought

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.

Author:
 David Miskus
 NOAA/NWS/NCEP/CPC



<http://droughtmonitor.unl.edu/>

Figure 5: Drought status as of 4 September, 2018

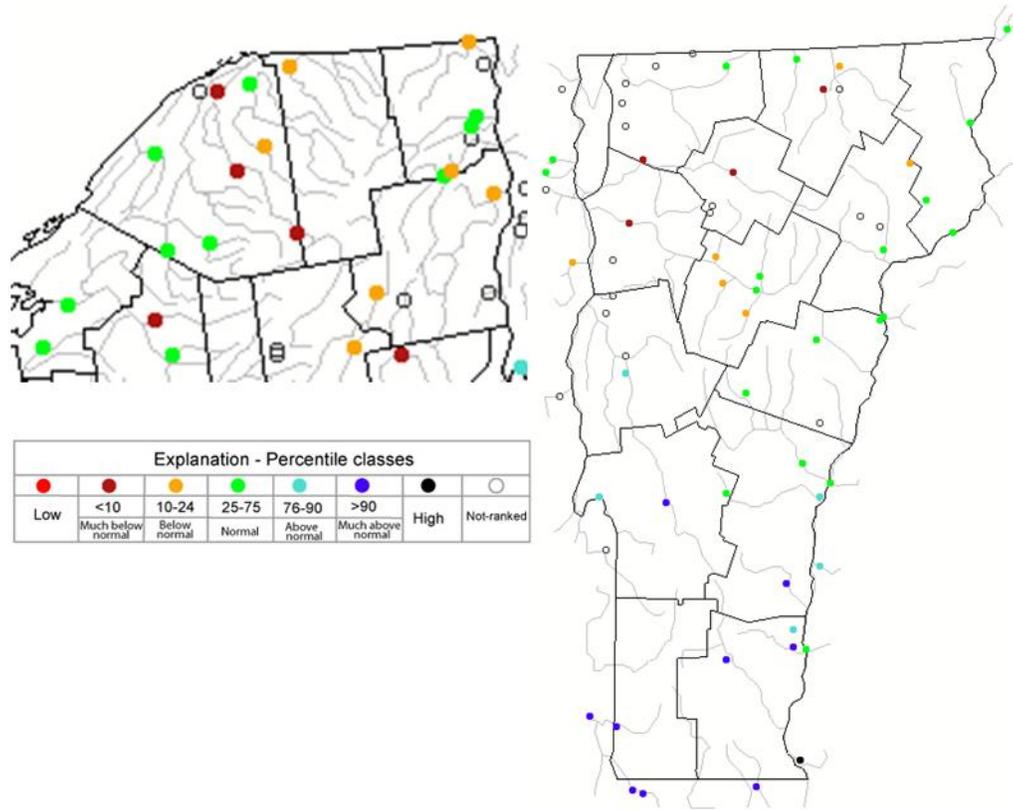


Figure 6: Map of monthly streamflow compared to historical streamflow for the month of August 2018