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 YEAR October 2018
TO: Hydrologic Information Center, W/OS31 NOAA's National Weather Service 1325 East West Highway Silver Spring, MD 20910-3283		SIGNATURE /s/ Maureen Hastings, Meteorologist DATE November 13, 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).

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

October 2018 with near to above normal precipitation across much of Vermont, while northern New York had near to slightly below normal precipitation. Rainfall and melted snow amounts were generally 2 to 5 inches across the BTV HSA, with the highest amounts across north central Vermont. Some of the higher elevations saw a bit of snow late in the month as well; there were a few snow events from the 18th to the 31st, with most of these producing at most an inch or two of snow accumulation. However, up to 5 inches was seen in northern Vermont on the 24th.

The month started out wet with a widespread rain event occurring the 1st through the 3rd. One to two inches of rain fell across the area as a warm front crossed the region. This was followed by another significant rain event several days later, on the 11th into the 12th. One to 1.50 inches of rain were reported with this event, along with a bit of snow in the highest elevations on the backside of the system. The remainder of the month saw occasional rain showers with liquid precipitation mainly a half inch or less.

Drought continued to plague the North Country through the month in spite of the rainfall. However, there was some very slight improvement across the northern Green Mountains and the high peaks of the Adirondacks. By the end of the month, the D2 area had shrunk to include a small portion of the northern Greens along the Canadian border, with D0 to D1 seen over much of the remainder of the region.

The rain that fell through the month did help increase stream flows across much of the area. While flows along waterways averaged near to much below normal in September, October's average river flows were near to above normal for the North Country.

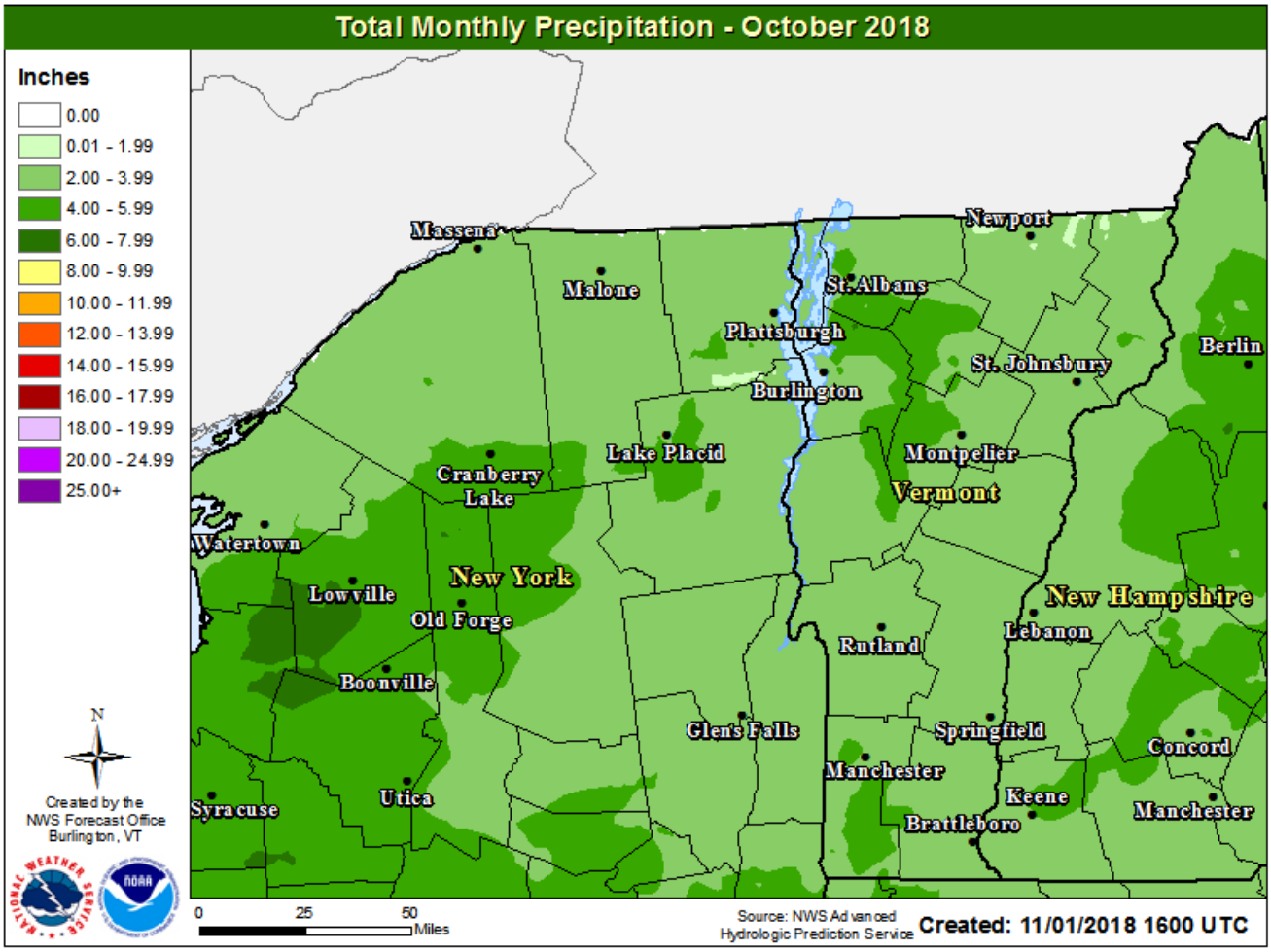

Figure 1: Monthly total rainfall (October 2018)

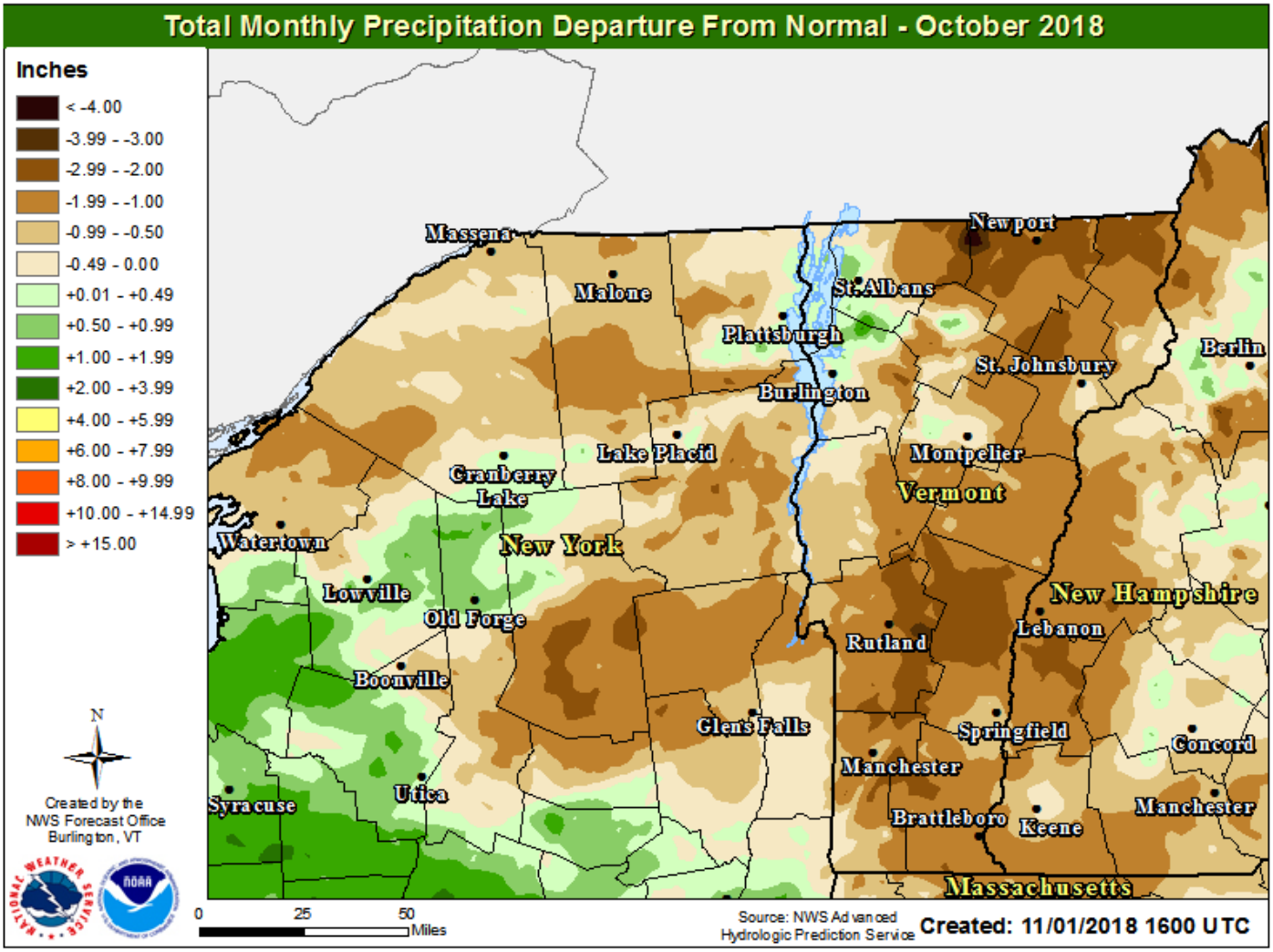

Figure 2: Monthly departure from normal for rainfall (October 2018)

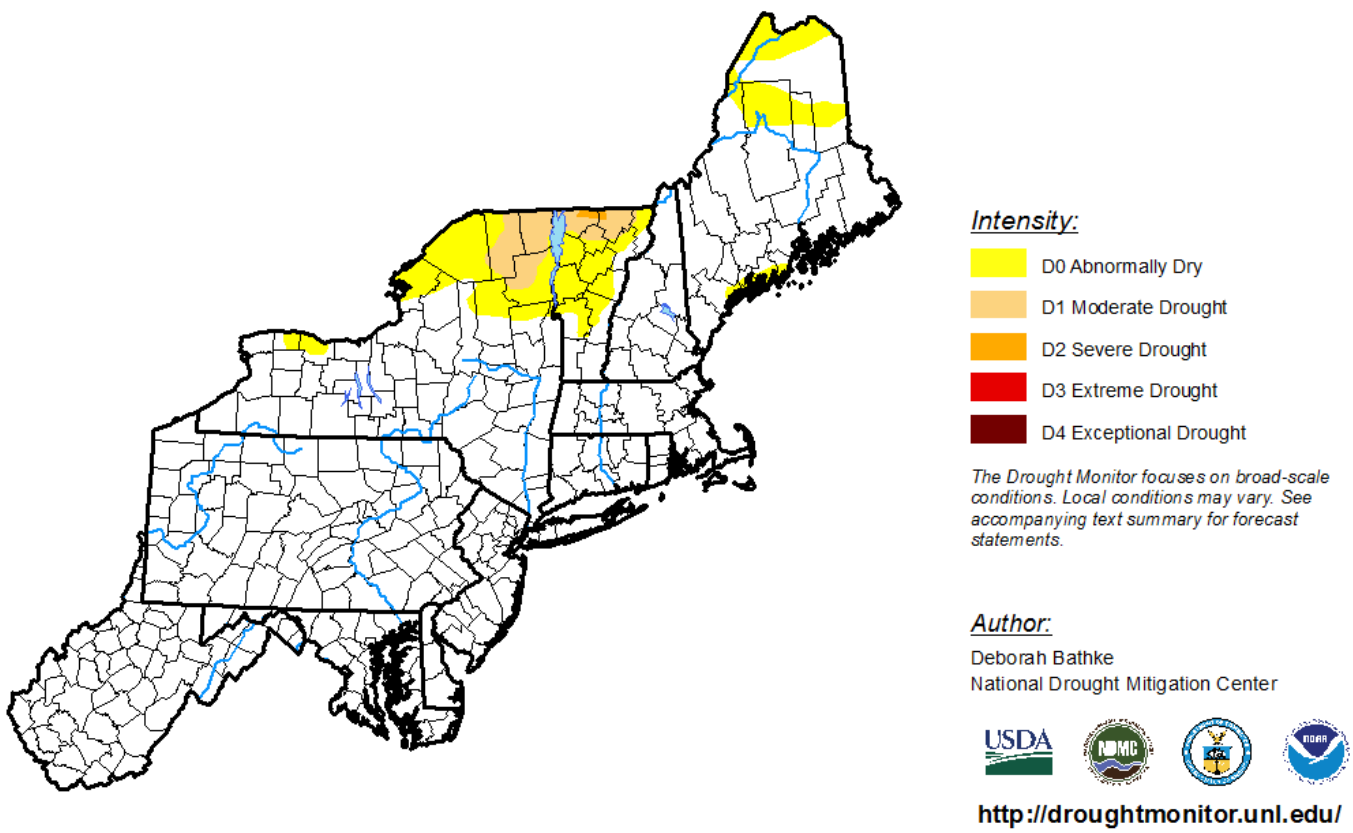

Figure 3: Drought status as of 30 October, 2018

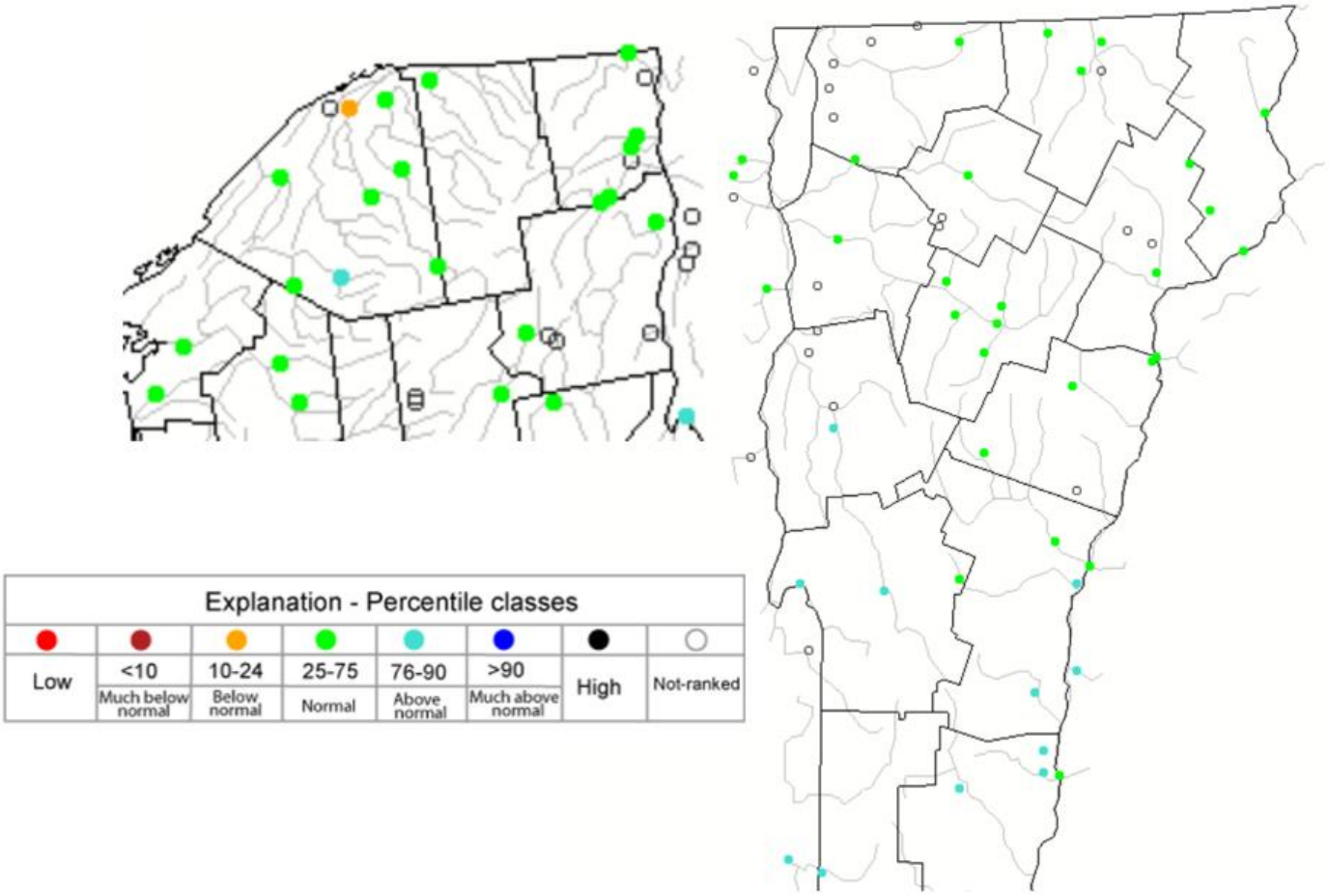

Figure 4: Map of monthly streamflow compared to historical streamflow for the month of October 2018