

MONTHLY REPORT OF HYDROLOGIC CONDITIONS

REPORT FOR:
 MONTH YEAR
 December 2017

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
 January 15, 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.

December 2017 was another uneventful month across the Burlington, VT HSA with no flooding across the North Country. There were weak weather systems along with frontal boundaries and mainly just light snow every few days. The very cold temperatures during the second half of the month were probably the most notable. Temperatures in Vermont and Northern New York were about 3 to 7 degrees below normal (Figure 3). Precipitation totals ranged from 1 to 6 inches across the area (Figure 1), with the highest totals in the Southern Saint Lawrence Valley and along the spine of the Green mountains. By the end of the month negative precipitation departures from 1 to 3 inches were observed, especially in the Adirondacks and east of the Greens (Figure 2). Streamflow was normal across the North Country (Figure 4).

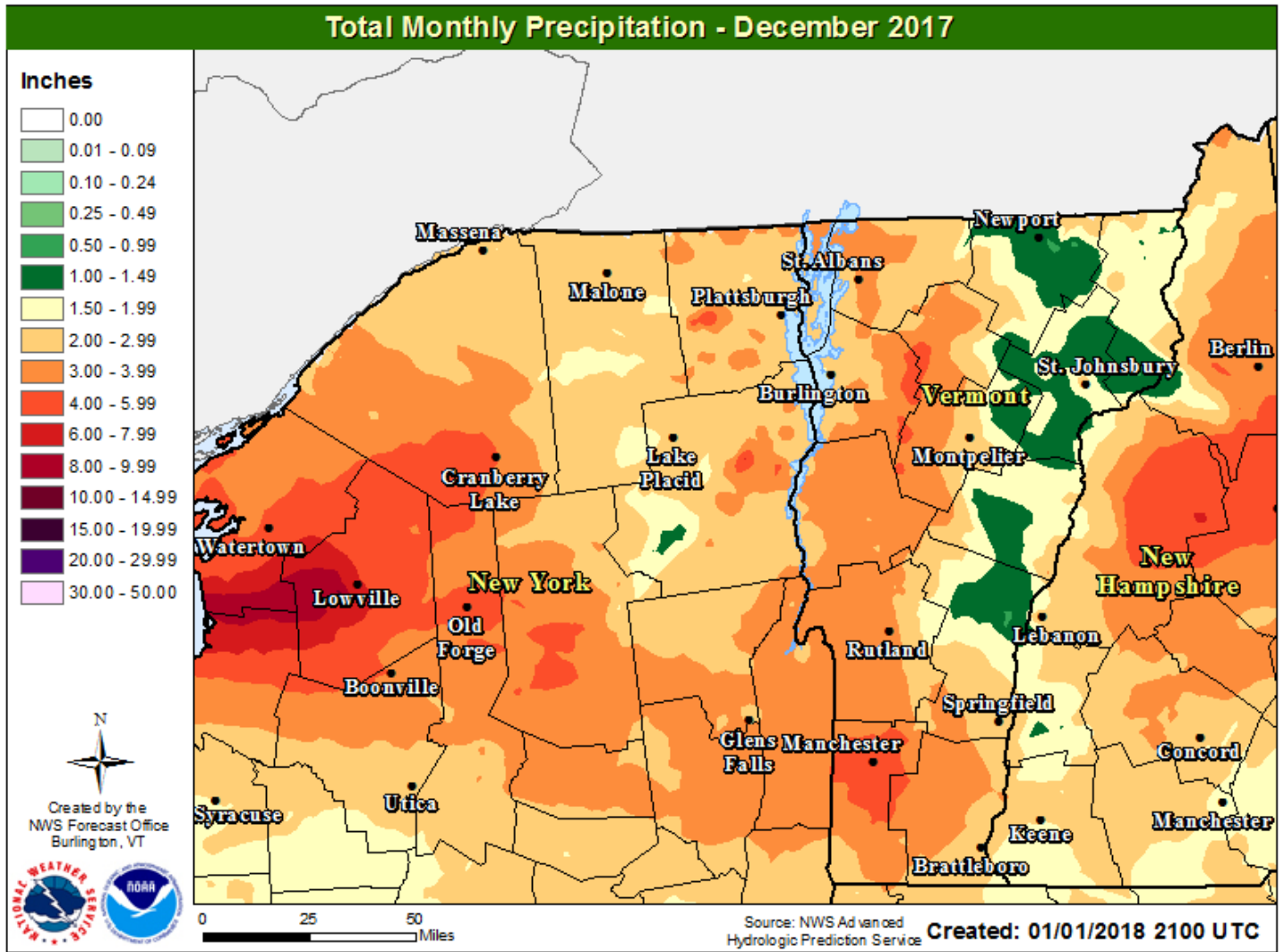


Figure 1: Monthly precipitation for December 2017. Totals generally ranged from 1 to 6 inches across the North Country. Lowest totals were East of the Greens, and highest totals along the spine of the Greens and in the Southern Saint Lawrence Valley.

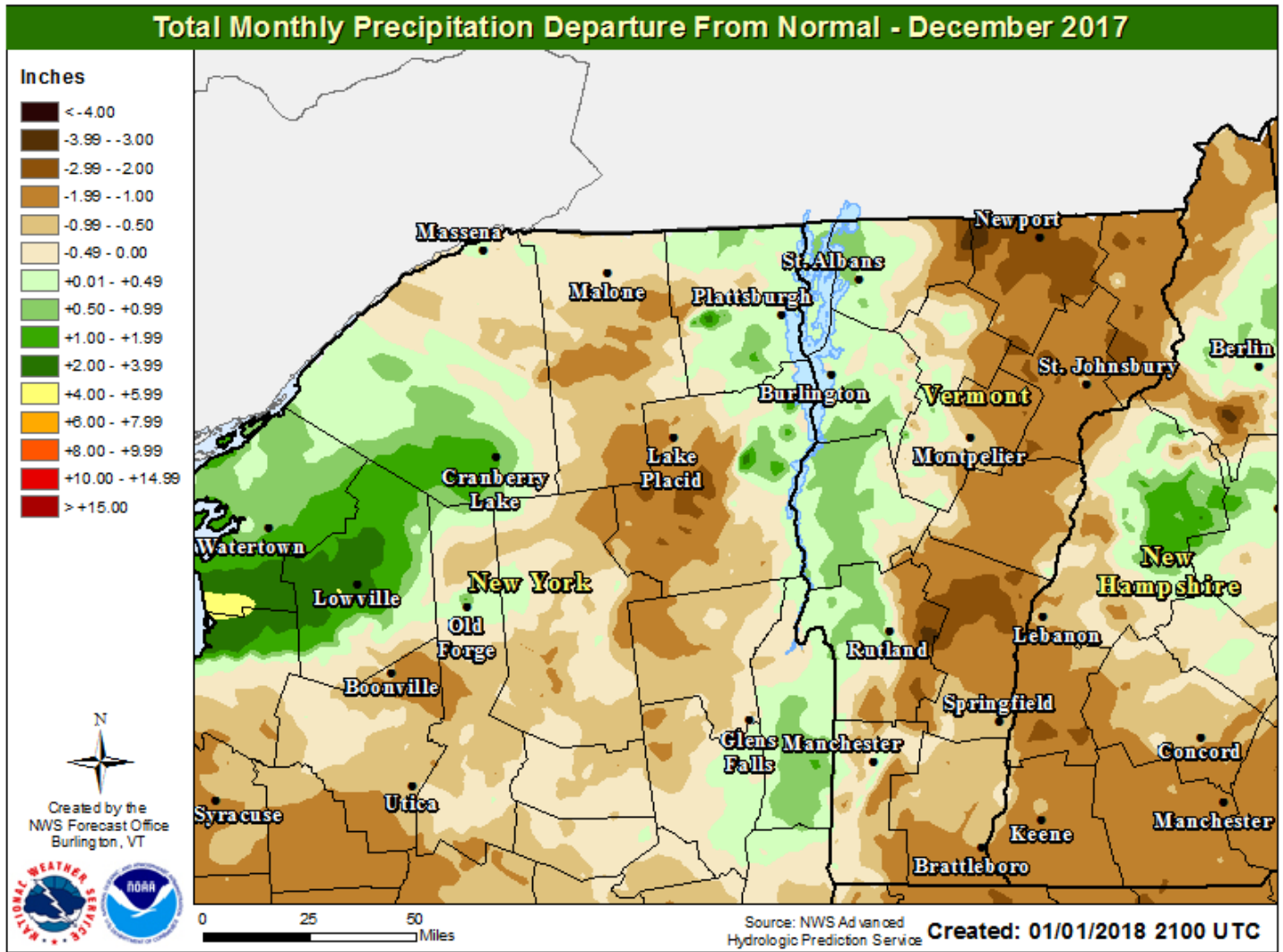


Figure 2: Monthly precipitation departure from normal for December 2017 for the Burlington, VT HSA. Negative departures of 1 to 4 inches were observed in the Adirondacks and East of the Green Mountains in VT. Positive departures of 1 to 2 inches were observed in the Champlain valley and in Southern Saint Lawrence County.

Avg Temperature Departure (° F)
December 2017

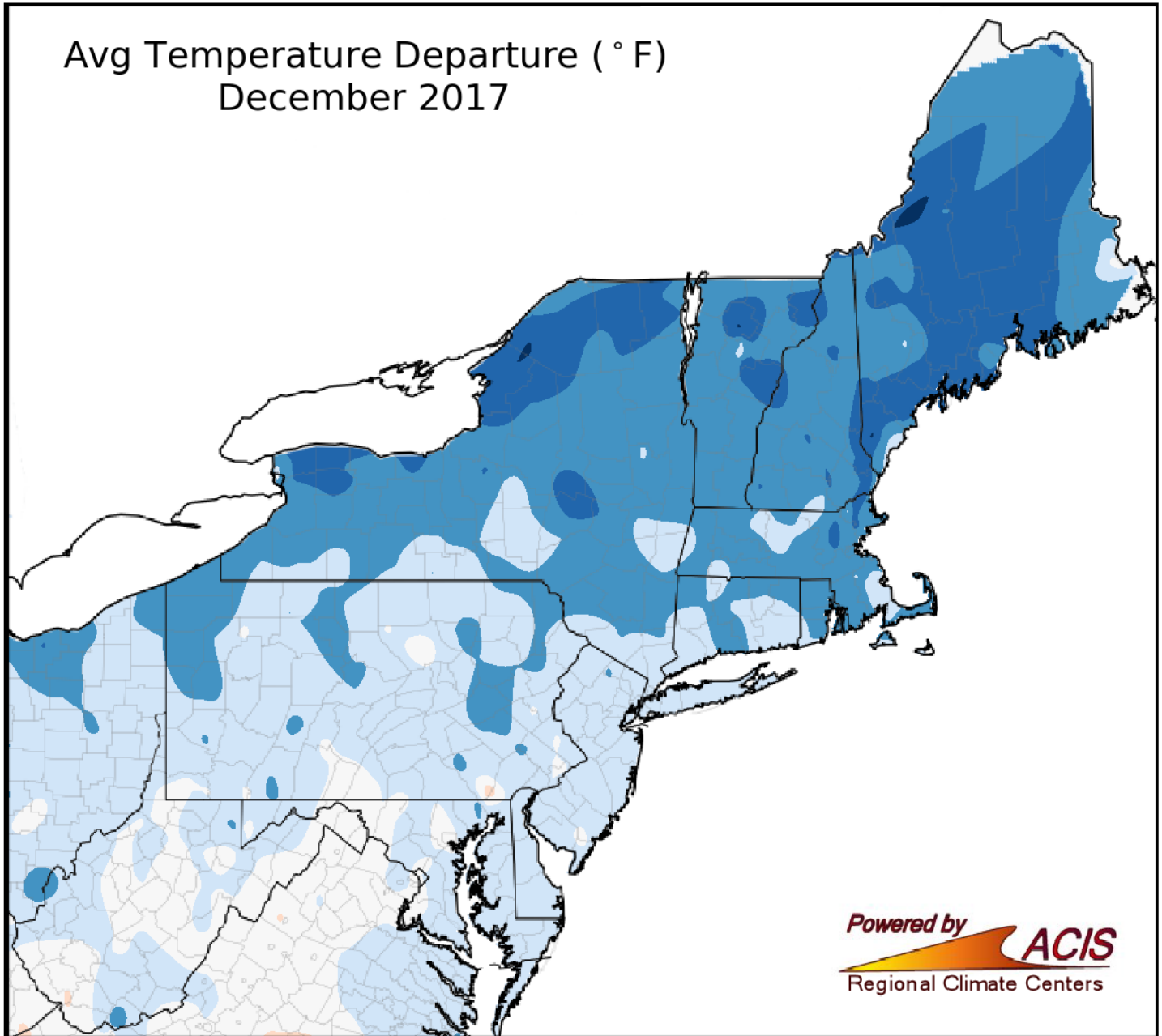
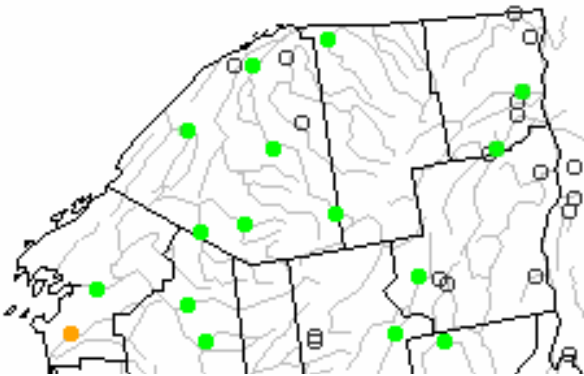
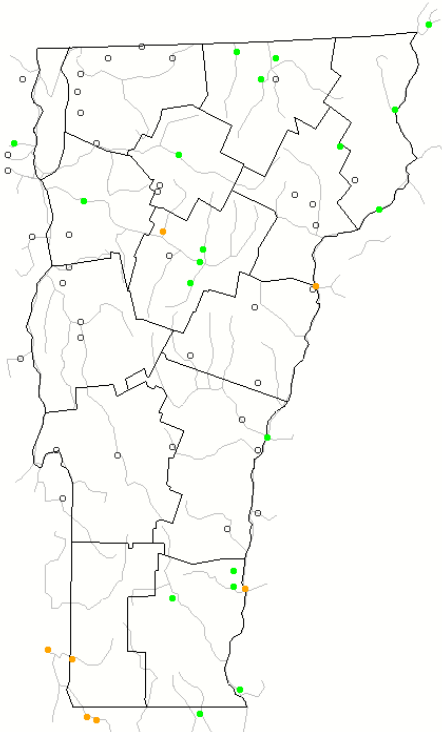


Figure 3: December 2017 Average Temperature Departure from normal across the Northeast from the Northeast Regional Climate Center.

December 2017



Explanation - Percentile classes							
●	●	●	●	●	●	●	○
Low	<10	10-24	25-75	76-90	>90	High	Not-ranked
	Much below normal	Below normal	Normal	Above normal	Much above normal		

Figure 4: December 2017 Monthly Streamflow for Northern New York and Vermont, overall normal conditions.