

MONTHLY REPORT OF HYDROLOGIC CONDITIONS

REPORT FOR:
MONTH YEAR
May 2019

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

SIGNATURE
/s/ Andrea LaRocca, Meteorologist

DATE
June 10, 2019

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.

The month of May continued the trend this spring of cool and wet conditions across northern New York and Vermont. Average temperatures across our hydrologic service area were 1 to 3 degrees below normal and between 2-4 inches above normal for precipitation, with locally higher departures across the high terrain of the Adirondacks and northern mountains of Vermont. In addition, the continued cool pattern contributed to a late season snowfall for parts of eastern Vermont and the higher terrain, with an impressive 12 inches of snowfall atop Mount Mansfield.

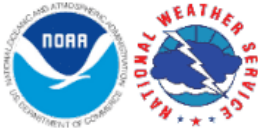
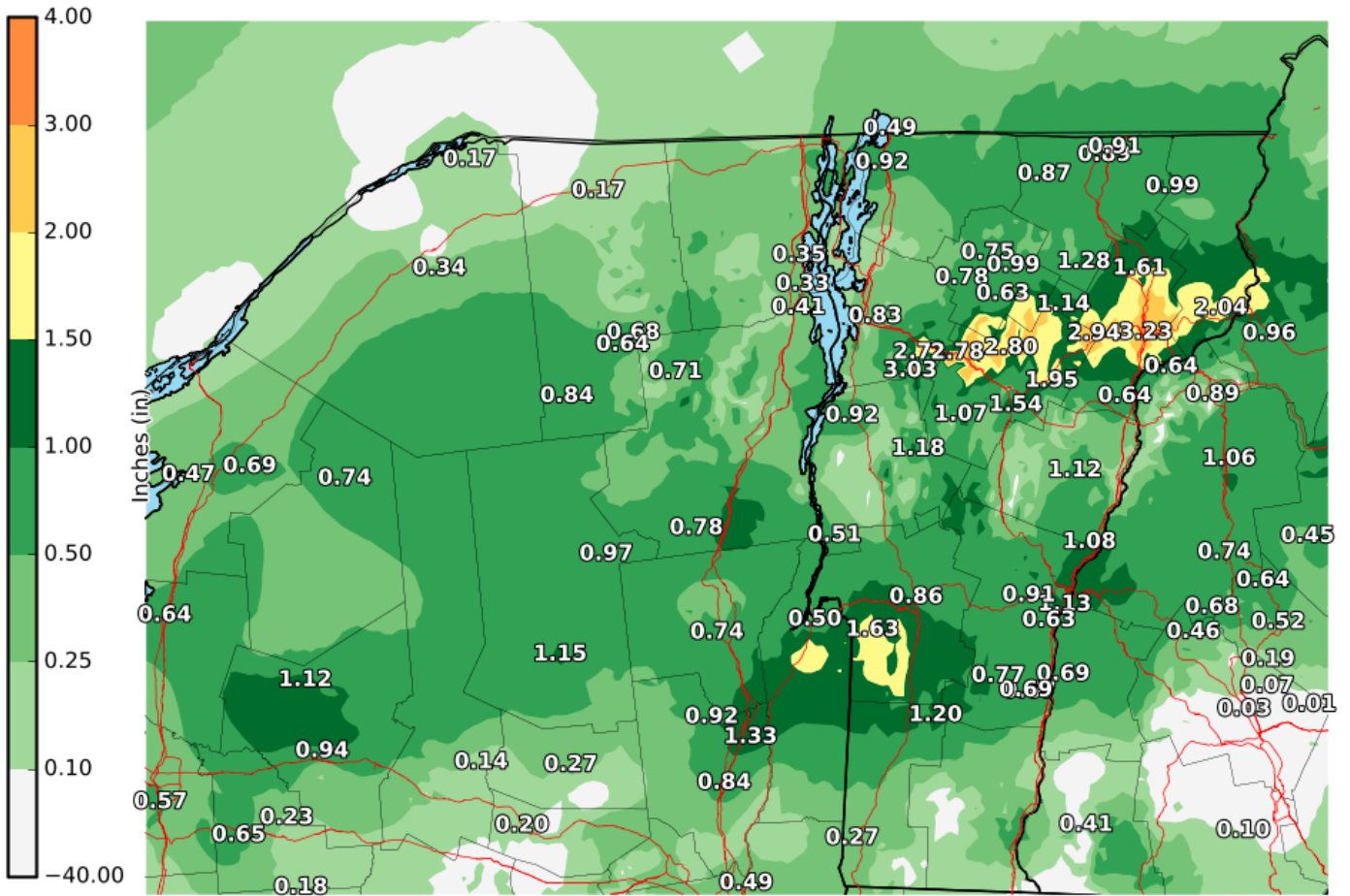
Despite the active pattern and above normal precipitation, hydrologically speaking the month of May was relatively quiet with just one event during the overnight hours on May 19-20. Training thunderstorms developed across Washington and Caledonia Counties during the evening hours on May 19. These storms persisted for several hours dropping between 1.5 to 3.25 inches of rain. Even with saturated soils, only minor damage was reported with these storms (one road wash-out in Washington County). Run-off response from these storms for area rivers prompted two river flood warnings, the Passumpsic River at Passumpsic and the Winooski River at Essex Junction. There were no reported damages with these river flood warnings.

On May 31, Lake Champlain finally dropped below 100' ending the 40 day stretch of Lake Champlain at or above flood stage. The lake has continued to recede and no further impacts from flooding are expected.

Gage ID	River/Stream	Location	FS (ft)	Above Flood Date/Time	Flood Crest (ft)	Flood Crest Date/Time
PASV1	Passumpsic	Passumpsic, VT	14	Remained below FS	13.59	4/20 14:00z
ESSV1	Winooski	Essex Junction, VT	12	4/20 18:30z	12.16	4/20 19:45z

24-hr Precipitation Totals

Ending at: 05/20/2019 07:00 AM EDT



National Weather Service
Burlington, VT
 05/20/2019 11:02 AM EDT

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Figure 1: 24-hour precipitation totals ending on Monday May 20, 2019

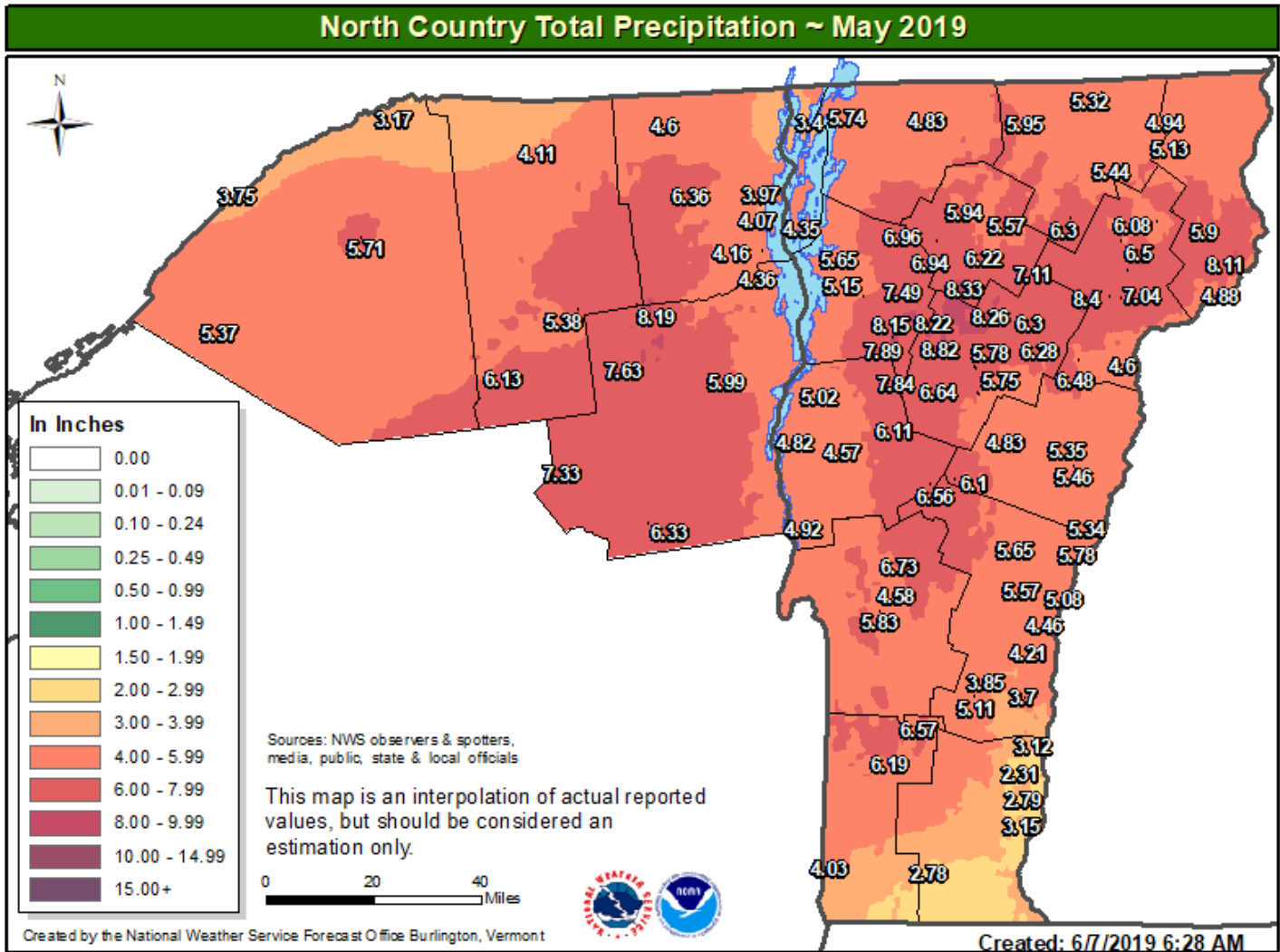


Figure 22: Total liquid Precipitation for the month of May 2019

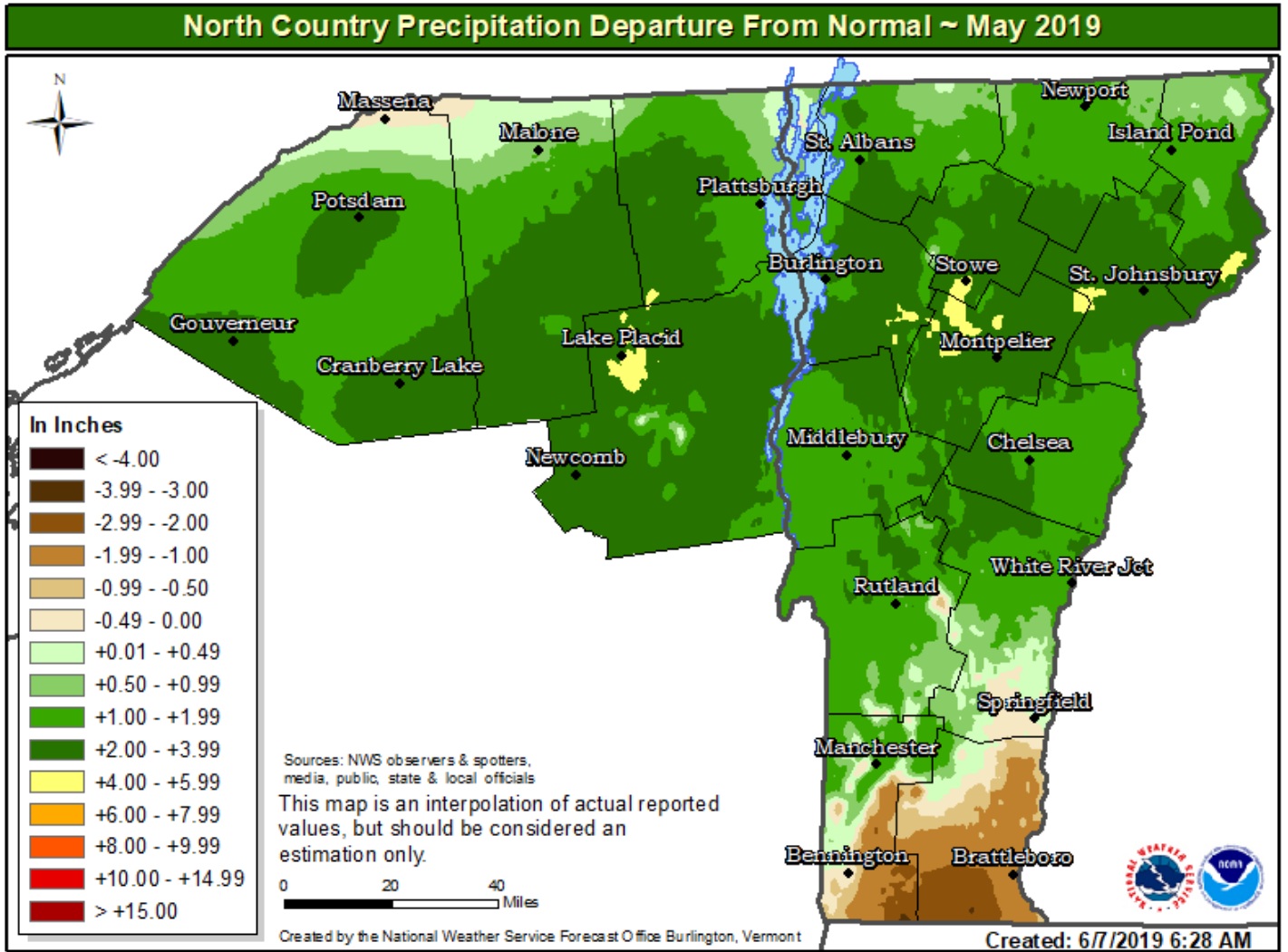


Figure 3: Precipitation departure from normal for the month of May 2019

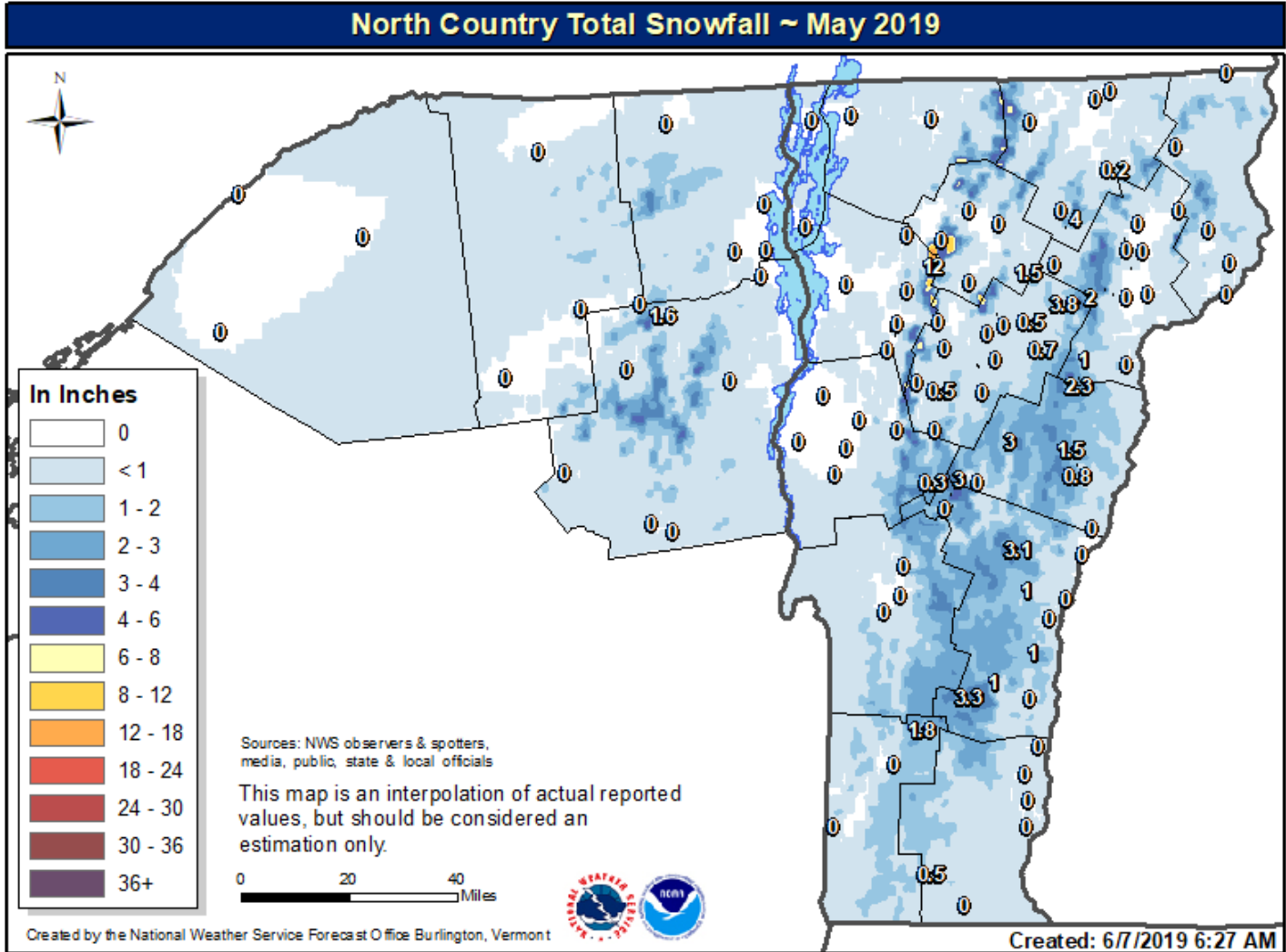


Figure 4: Total snowfall for the month of May 2019

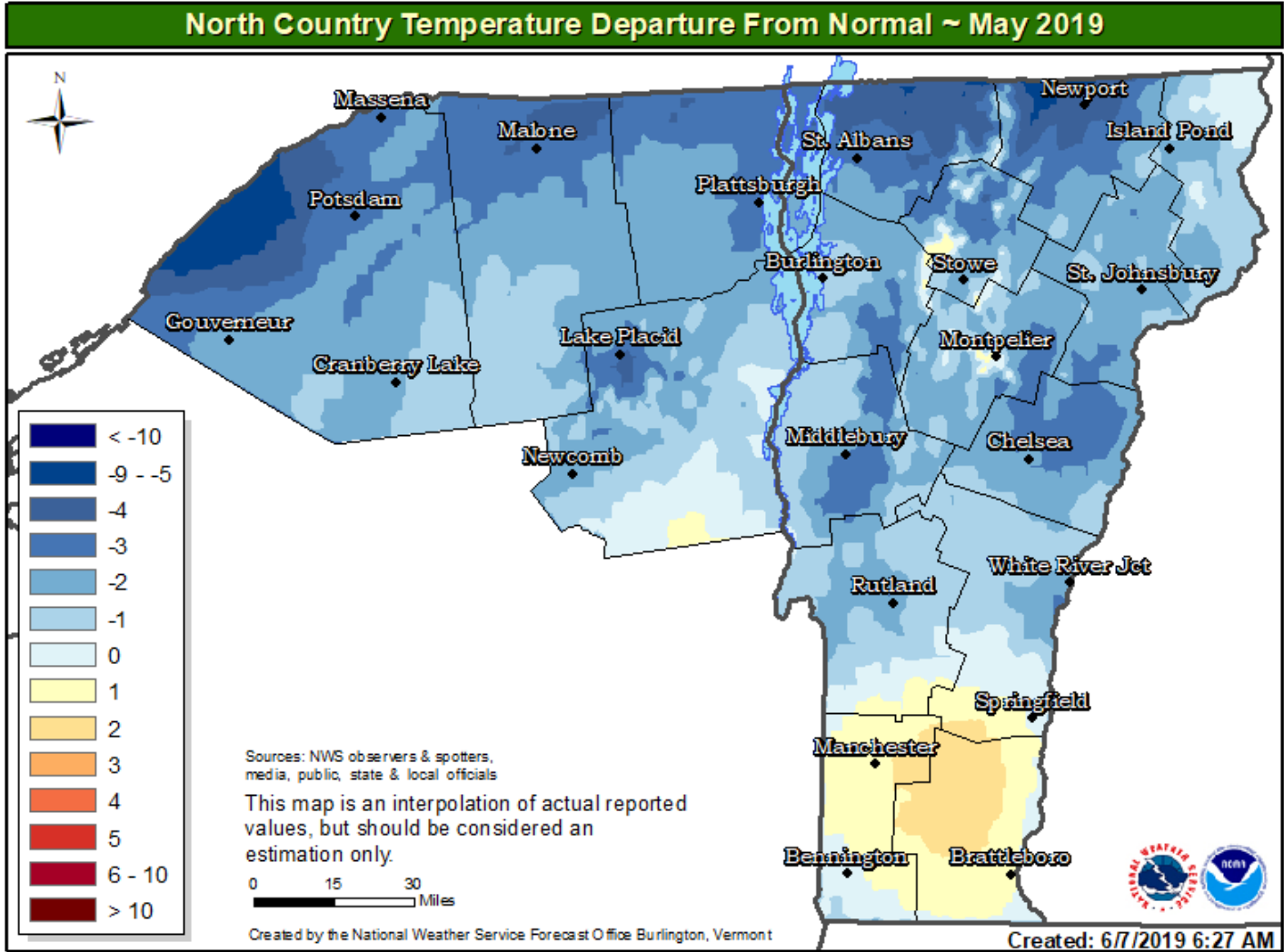


Figure 5: Temperature departure from normal for month of May 2019