

MONTHLY REPORT OF HYDROLOGIC CONDITIONS

REPORT FOR:
 MONTH YEAR
 March 2016

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

SIGNATURE
 /s/ John M. Goff, METEOROLOGIST WFO BTV

DATE
 April 14, 2016

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.

March 2016 continued the trends established earlier in the winter by exhibiting abnormally warm temperatures and a lack of appreciable snowfall. Indeed, the winter of 2015-16 was one of the least "snowiest" on record for many long record sites. While negative snowfall departures were quite anomalous, the monthly distribution of precipitation as a whole showed more variability with much of the Champlain Valley and northern New York seeing normal to above normal totals. This was due to weather systems passing fairly regularly through the Saint Lawrence River Valley bringing occasional light to moderate bouts of mixed and/or liquid precipitation every 3 to 5 days. Despite the continued warmth, unseasonably low extant snowpack and riverine ice coverage kept the overall flood threat low. The only notable flooding occurred in the Passumpsic River basin where a localized ice jam and associated higher water led to road closures and several evacuations during the night of March 11-12.

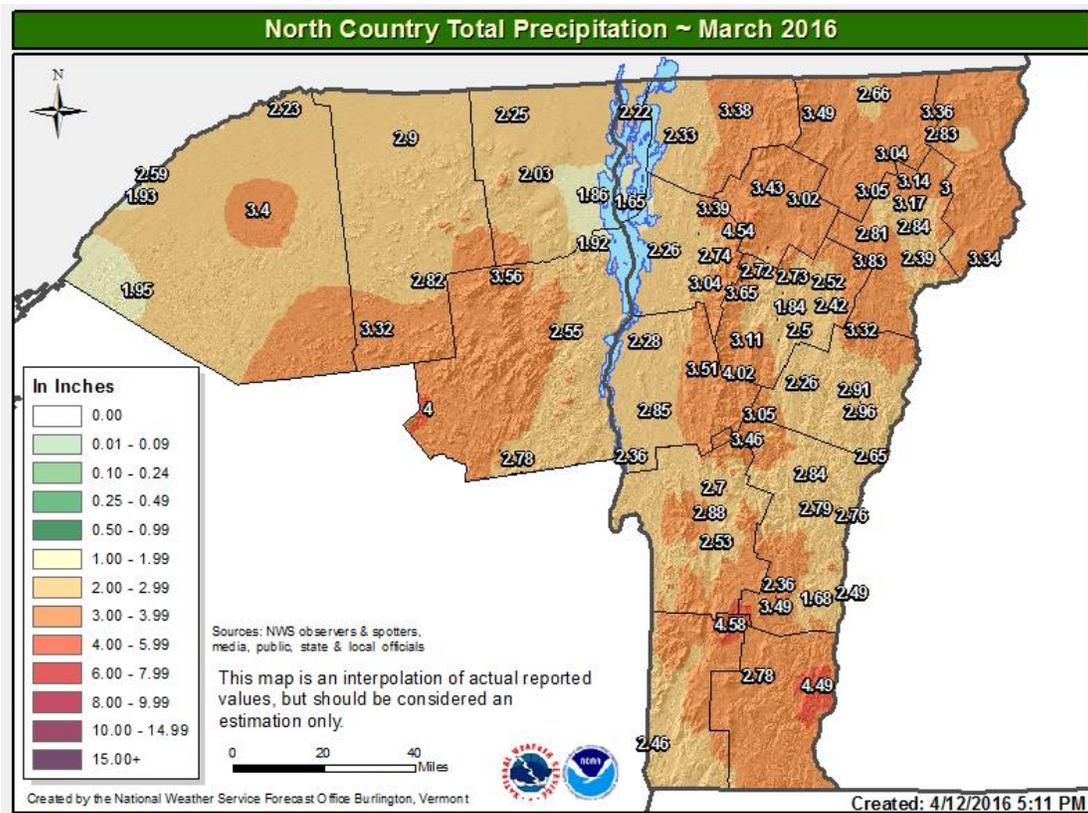


Figure 1 Total monthly precipitation for March 2016

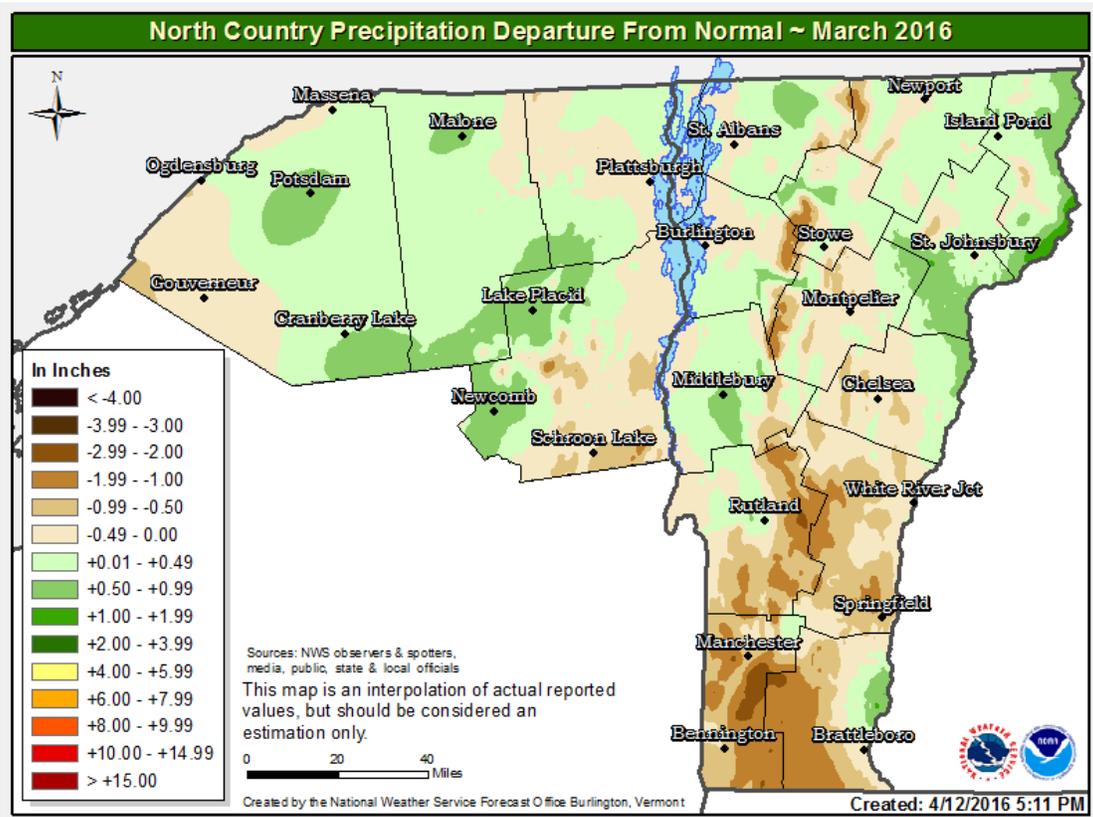


Figure 2 Precipitation departure from normal March 2016

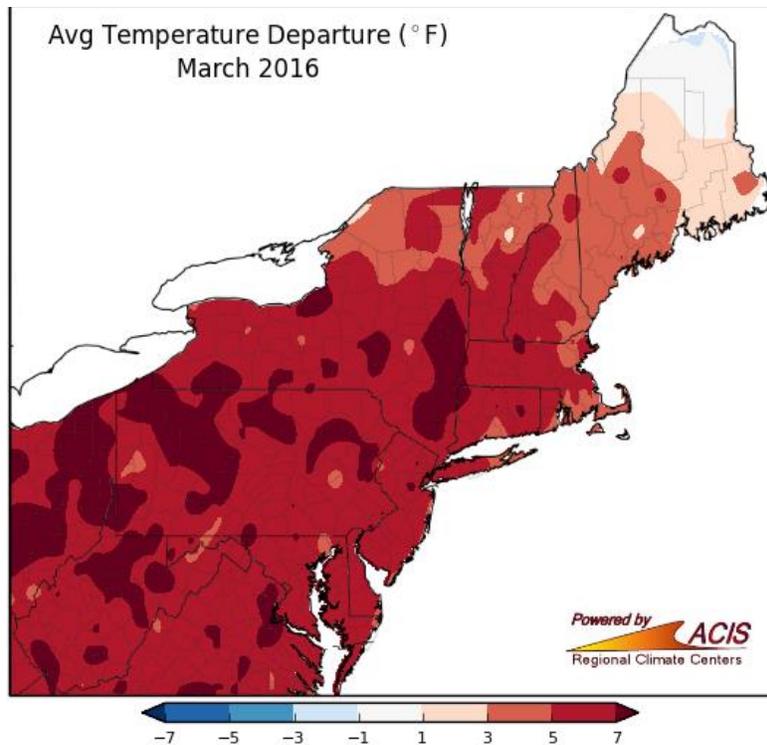


Figure 3 Average temperature departures for the month of March 2016. Values were generally 3-6°F above normal across the NWS Burlington HSA (map courtesy of the Northeast Regional Climate Center).

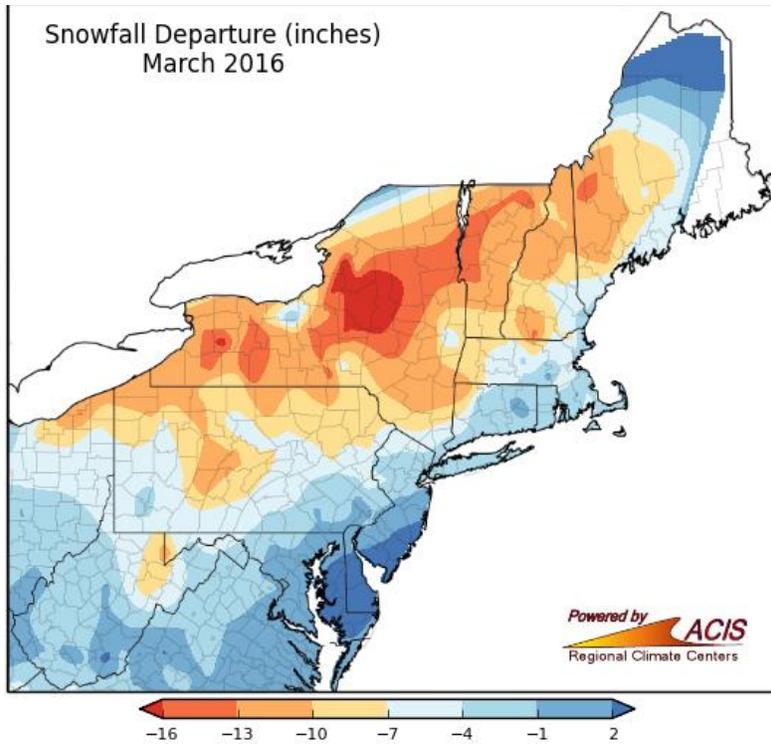


Figure 4 Average snowfall departures for March 2016. Values were near normal in the immediate St. Lawrence Valley, but 7 to 15 inches below normal elsewhere across the NWS Burlington HSA (map courtesy of the Northeast Regional Climate Center).

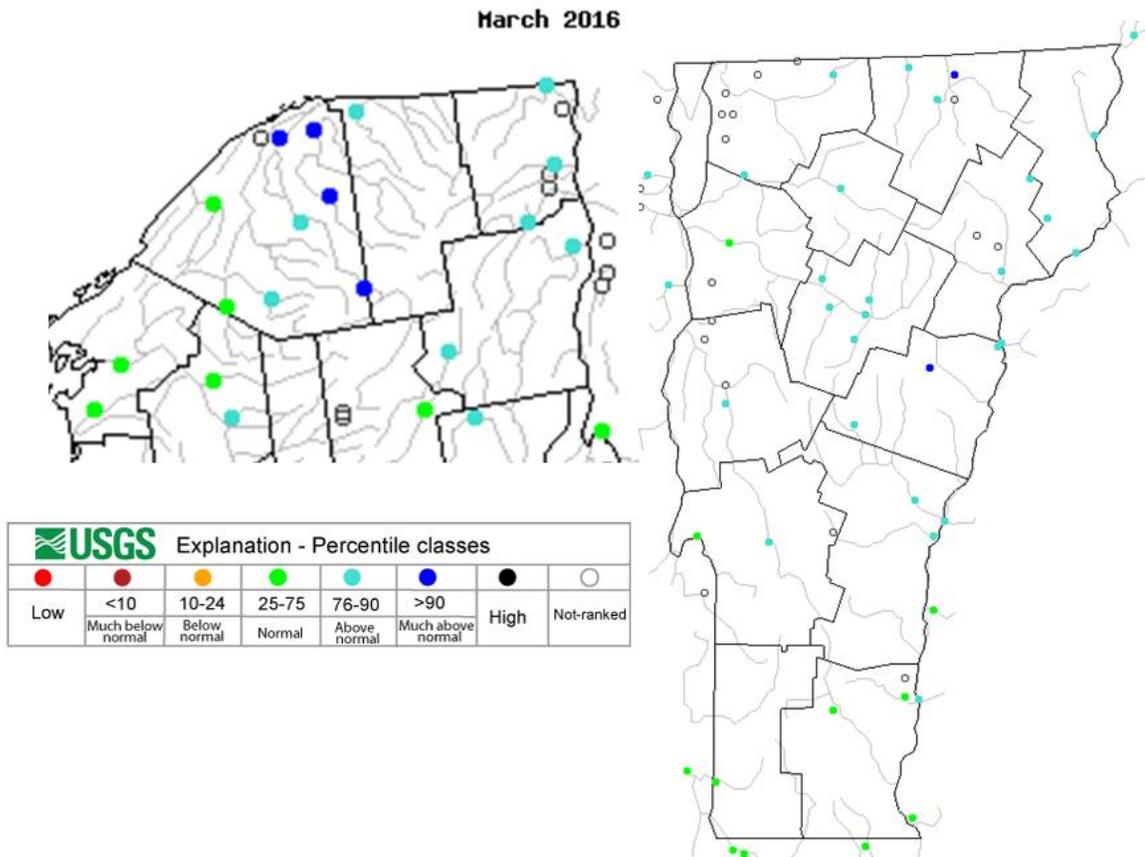


Figure 5 Average Streamflow for March 2016

