

MONTHLY REPORT OF HYDROLOGIC CONDITIONS

REPORT FOR:
MONTH YEAR
March 2020

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

SIGNATURE
John Goff, Lead Meteorologist /s/

DATE
April 9, 2020

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 2020 was relatively quiet across the NWS Burlington HSA from a hydrological perspective. Monthly precipitation totals generally averaged between 1 and 3 inches and was fairly equally distributed through the 31 day period which kept departures within an inch of normal. The only flooding occurred during the morning hours of the 11th when an ice jam forced water out of its banks on the Great Chazy River near Perry Mills and Champlain, New York. Only minor field flooding was noted. The most impactful system to affect the region occurred on the 23rd and 24th when a late season heavy, wet snowfall blanketed the Adirondacks and much of Vermont. Five to as much as ten inches of snow fell in this area leading to locally hazardous travel. Other, more modest rainfall events were noted on the 13th and 14th and again on the 29th and 30th. An increasing sun angle combined with consistently milder temperatures significantly eroded the snowpack over time and by months end only nominal amounts remained at higher elevations. Please see attached graphics.

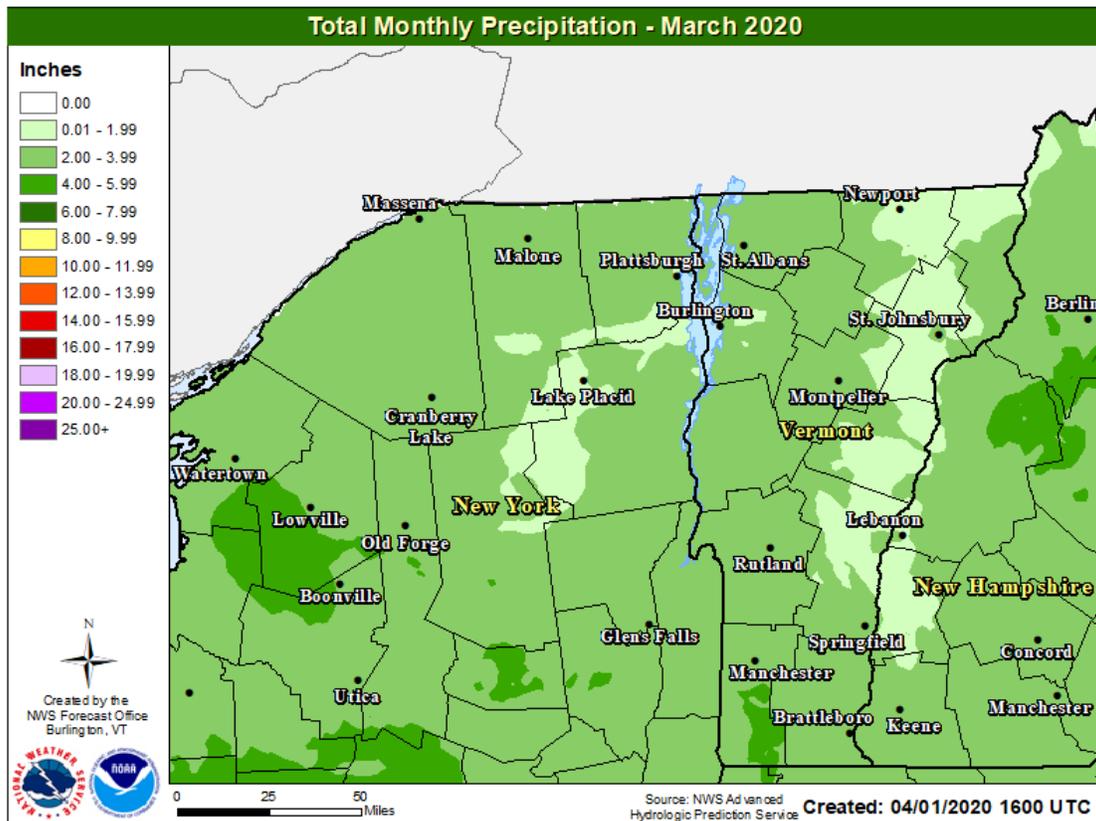


Figure 1: Total Monthly Precipitation, March 2020

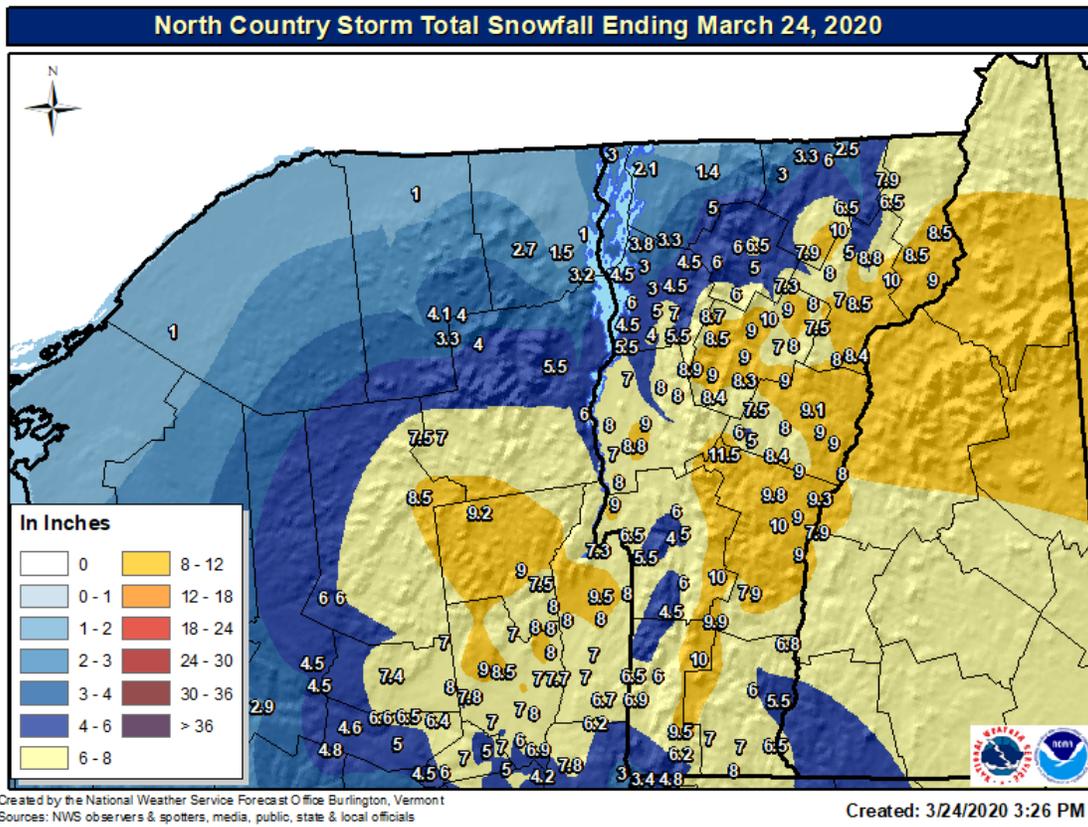


Figure 2: Storm total snowfall for 23-24 March, 2020

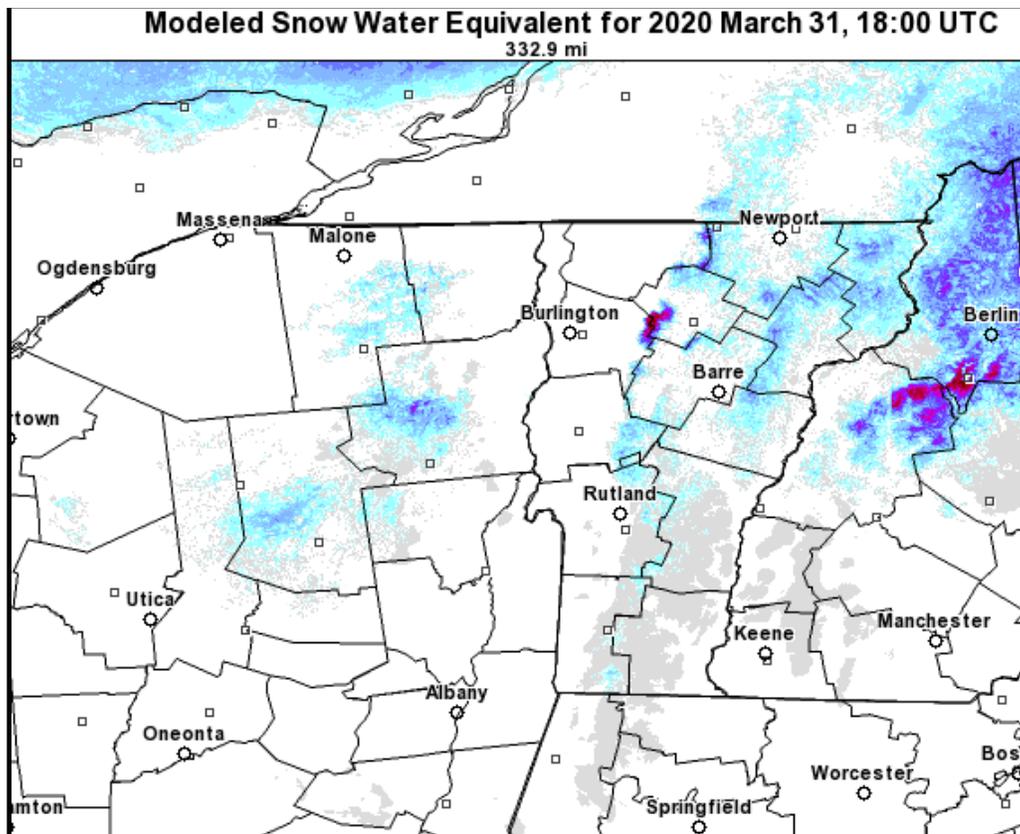


Figure 3: Snow water equivalent at 31 March, 2020 at 18:00 UTC