

MONTHLY REPORT OF HYDROLOGIC CONDITIONS

REPORT FOR:
MONTH YEAR
February 2019

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

SIGNATURE
/s/ John Goff, Lead Meteorologist

DATE
April 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.

March 2019 was a rather uneventful month from a hydrological perspective with precipitation generally averaging near to below normal (Figures 1 and 2). Temperatures as a whole also showed modest negative departures from -0.5 to -3.5 degrees for the 31-day period which helped keep a deep higher elevation snowpack in place for much of the month. There were two notable weather events, the first coming in the form of a significant winter storm during the 22nd and 23rd during which two day snowfall totals ranged from 10 to 20 inches across the Adirondack and Green Mountains (Figure 3). This only added to a deep extant snowpack across the HSA with the cooperative observer site on Mt. Mansfield reporting a snow depth of 124" on the 24th (Figure 4). By the very end of the month low pressure tracking through the St. Lawrence Valley brought southerly winds and showery, milder weather to the forecast area. This combination led to modest snowmelt and some ice movement was noted despite most rivers remaining within their banks. A few flood warnings were issued on the 31st to account for this, most notably for the Missisquoi River near East Berkshire, VT where a small ice jam led to localized high water issues.

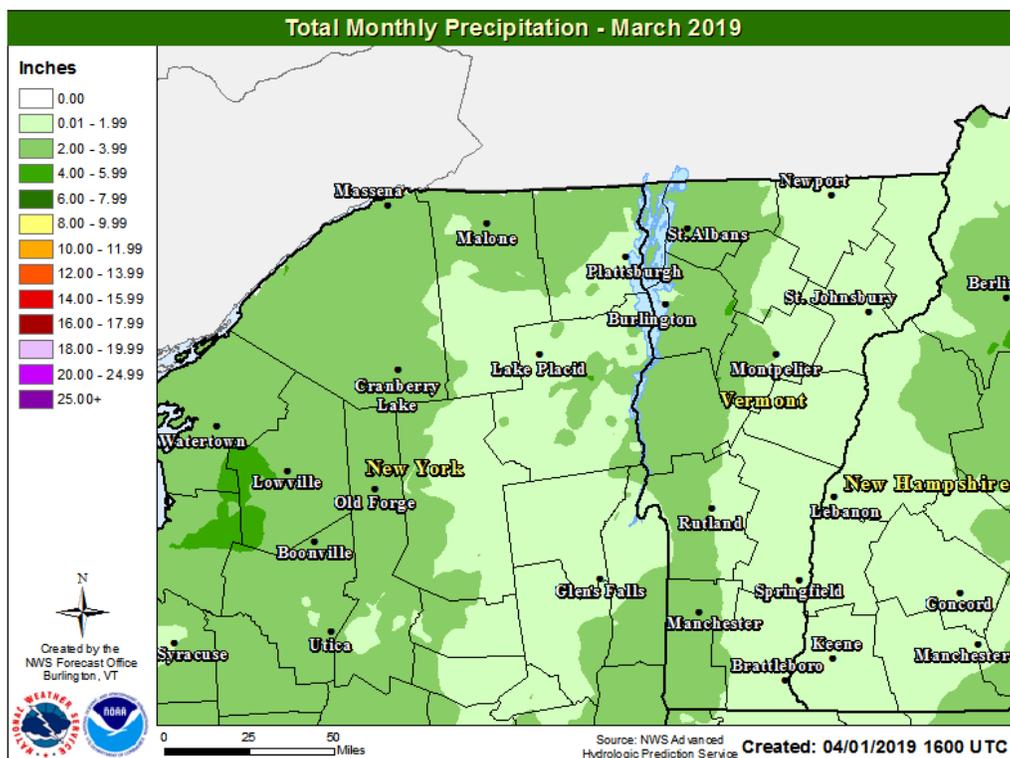


Figure 1: Total liquid Precipitation for the month of March 2019

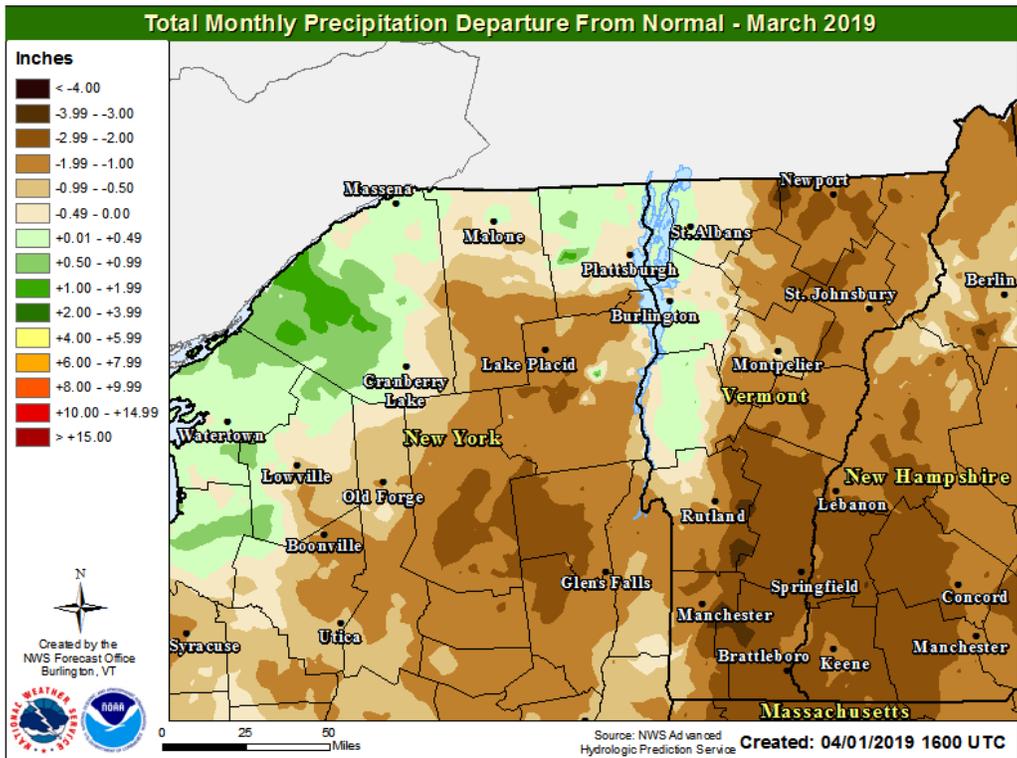


Figure 2: Precipitation departure from normal for March 2019.

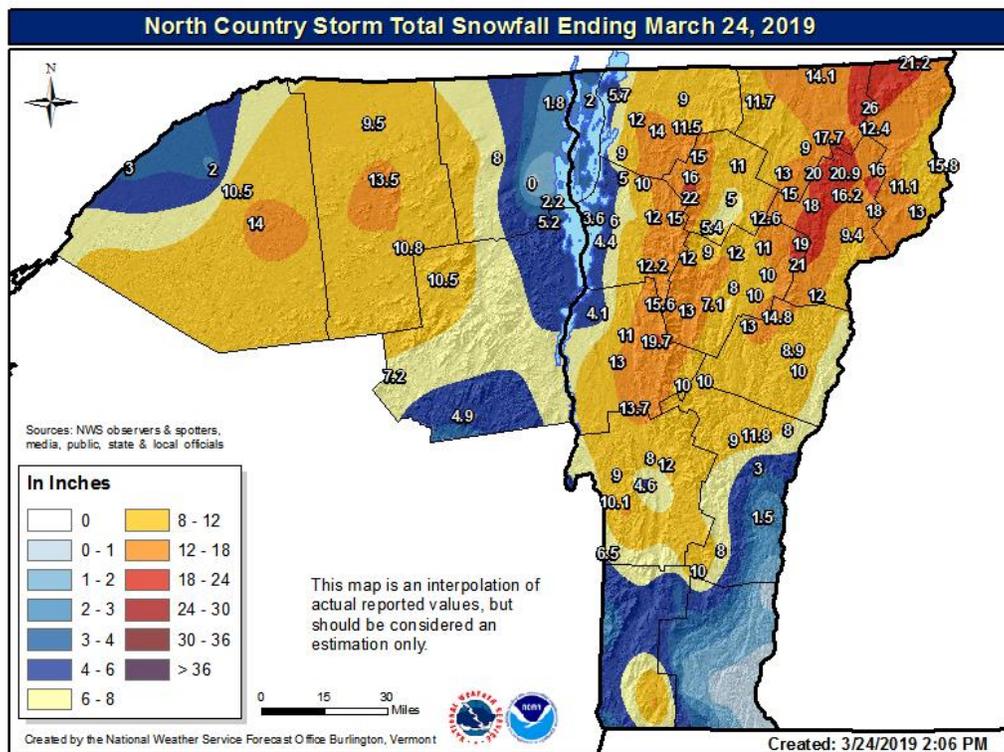


Figure 3: Storm Total Snowfall from March 22-23, 2019.

