

MONTHLY REPORT OF HYDROLOGIC CONDITIONS

REPORT FOR:
 MONTH YEAR
 June 2019

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

SIGNATURE
 /s/ Maureen Hastings, Meteorologist

DATE
 July 20, 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 June continued the Spring 2019 trend 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, while monthly precipitation totals were as much as 3.50 inches above normal.

Much of the excess precipitation fell in just one event, on June 20th, when a warm frontal boundary interacted with moisture surging northward into the region. Rain was steadiest along the boundary which stretched from the central Adirondacks eastward into north central and northeast Vermont. Precipitation totals in this area ranged from 1 to 3 inches, with locally higher amounts approaching 4 inches. A Flash Flood Watch was issued that morning, followed by multiple Flash Flood and Flood Warnings through the afternoon and into the evening hours. Flash flooding was reported in Ticonderoga, Middlebury, Bristol, Crown Point, Schroon Falls, Middlesex, downtown Montpelier, and Rutland. In addition, mainstem rivers showed significant rises from this event, with several gages sharply rising 4 to 7 feet. A River Flood Warning was issued for the Winooski River at Waterbury, which crested just above flood stage, though no impacts were noted.

Gage ID	River/Stream	Location	FS (ft)	Above Flood Date/Time	Flood Crest (ft)	Flood Crest Date/Time
WATV1	Winooski	Waterbury, VT	419	6/21 00Z	419.16	6/21 0045Z
ESSV1	Winooski	Essex Junction, VT	12	N/A	10.86	6/21 1045Z
CENV1	Otter Creek	Center Rutland, VT	8	N/A	7.3	6/21 03Z
JONV1	Lamoille	Johnson, VT	13	N/A	11.73	6/21 0845Z

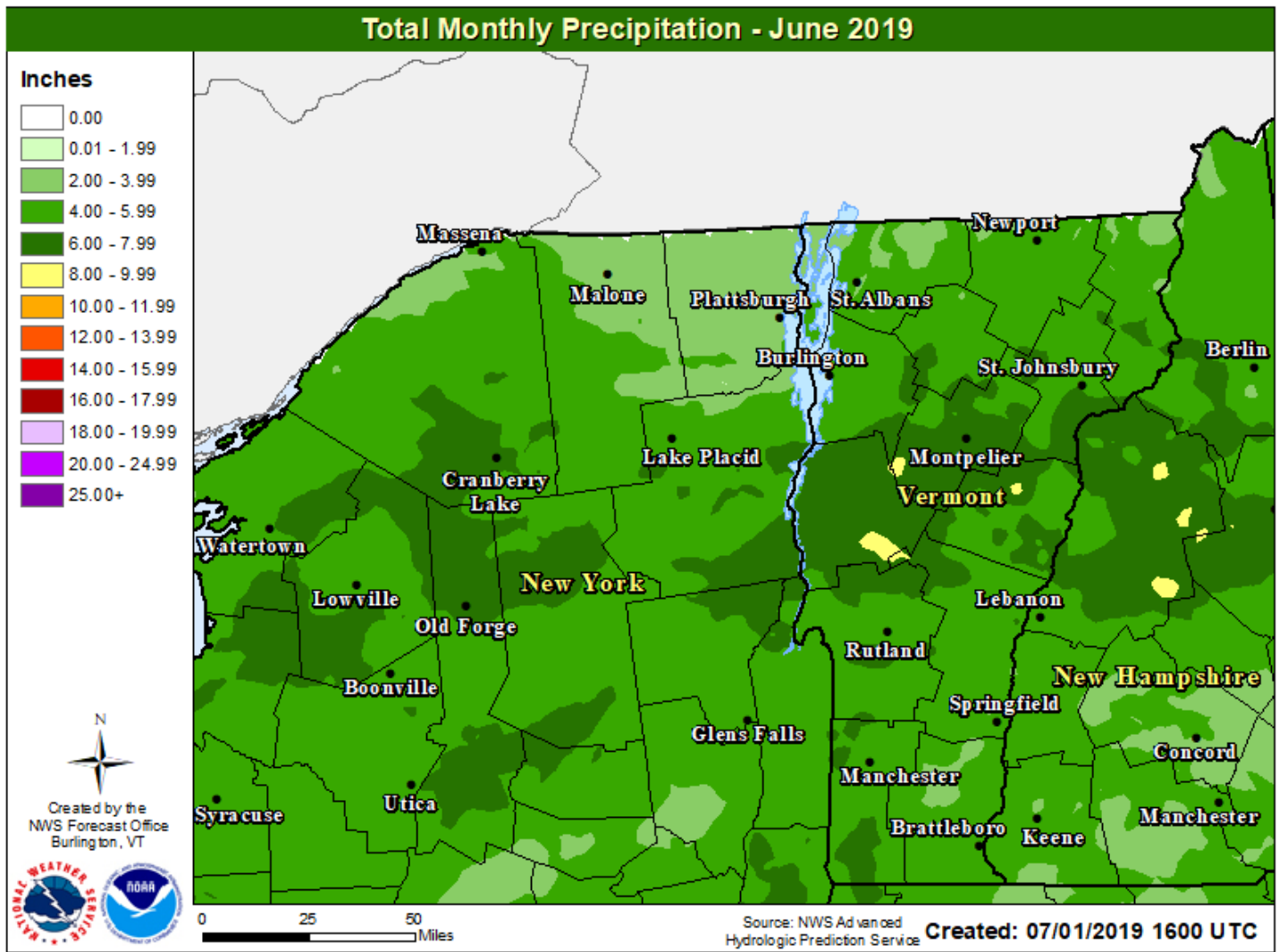


Figure 2: Total liquid Precipitation for the month of June 2019

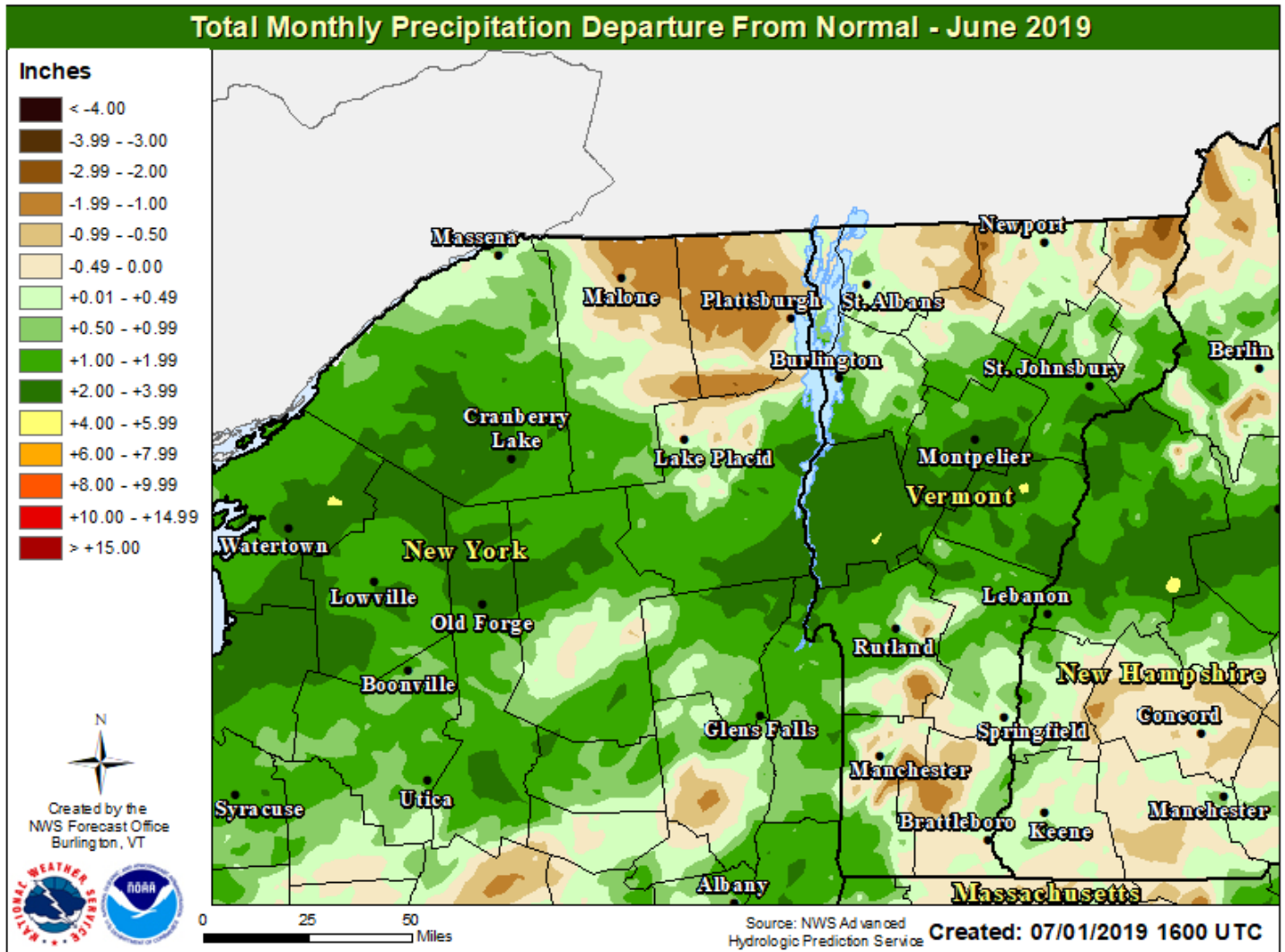


Figure 3: Precipitation departure from normal for the month of June 2019