

MONTHLY REPORT OF HYDROLOGIC CONDITIONS

REPORT FOR:
MONTH YEAR
May 2018

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

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.

Although it started out with a bang, May 2018 will be remembered as a dry and warm month. Many locations across the North Country finished the month some 1 to 2 inches drier than normal, with some spots along the southern Green Mountains more than 2 inches drier than normal.

One heavy rainfall event occurred on May 4th into the 5th, when a vigorous mid-level trough moved eastward from the Great Lakes. PWATs approached 1.50 inches, and multiple rounds of thunderstorms with localized heavy rainfall occurred across the region. Rainfall totals of 0.75 to 1.50 inches were observed. This combined with continuing snowmelt from higher elevations resulted in some minor flash flooding across central and northeast Vermont, including a landslide on the south side of Lake Willoughby. Rivers rose sharply, with the Ausable River briefly spiking about a tenth of a foot above flood stage, while the Barton River at Coventry peaked just below flood stage on the 6th.

The continuing snowmelt from higher elevations continued to cause concern across the region beyond this heavy rainfall event. A Flood Warning was issued for the area around Saranac Lake as high water and dam releases along the chain of lakes above the village, into the Saranac River in the village itself. Some minor flooding was noted along the river in downtown Saranac, including basements of some businesses. The runoff from the surrounding mountains flowed into Lake Champlain and caused it to also go above flood stage; only nuisance flooding was reported.

Otherwise, the remainder of the month was fairly quiet. River flows gradually receded from their early-month highs, dropping below average flow by the latter half of the month. However, after running high during the first part of the month due to snowmelt and rainfall, river flows averaged near to above normal for the month as a whole.

ID	Name	Flood Stage	Crest Height	Date	Time (z)
ASFN6	E Branch Ausable River at Ausable Forks	7.0 ft	7.11 ft	May 5	0600
COVV1	Barton River at Coventry	8.0	7.99	May 6	1300
ROUN6	Lake Champlain at Rouses Point	100.0 ft	100.14 ft	May 10	1415

Figure 1: Monthly precipitation for May 2018 was not available at the time of this publication.

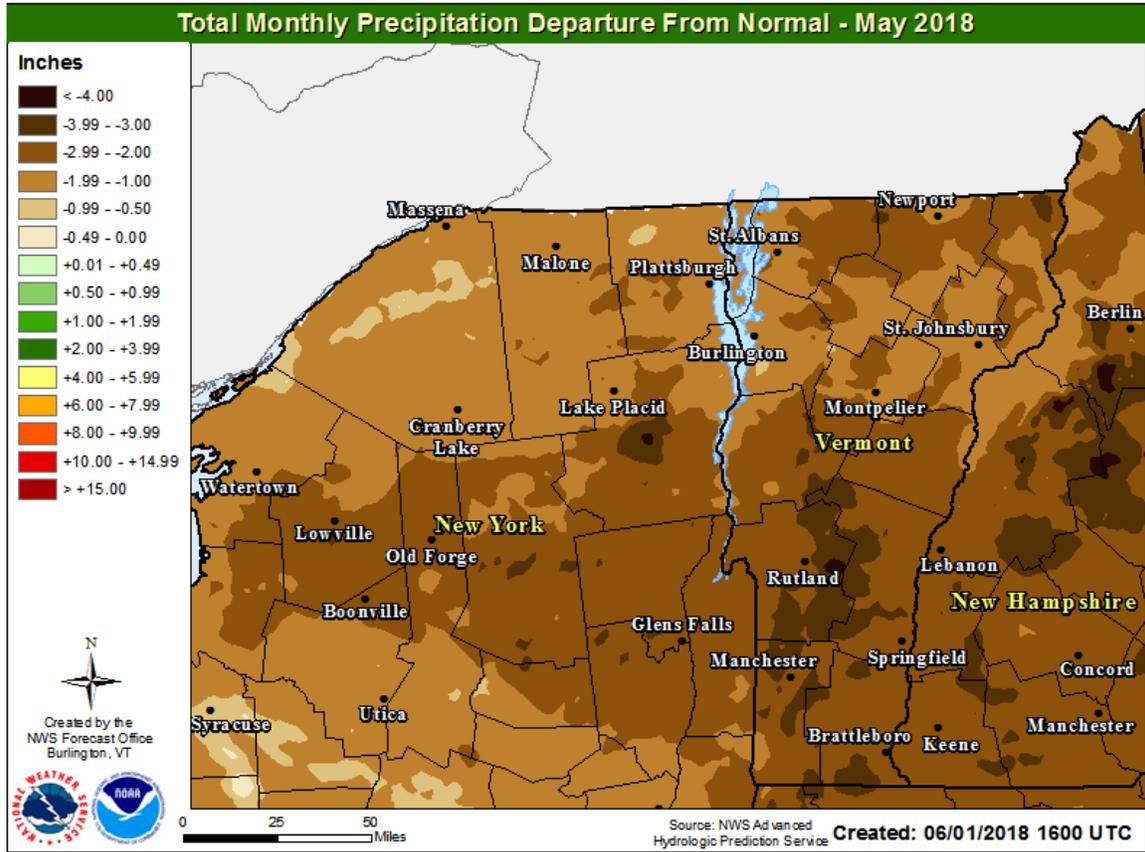


Figure 2: Monthly precipitation departure from normal for May 2018 for the Burlington, VT HSA. Negative departures were seen across the entire region, with deficits of up to 3 inches observed across portions of the southern Green Mountains.

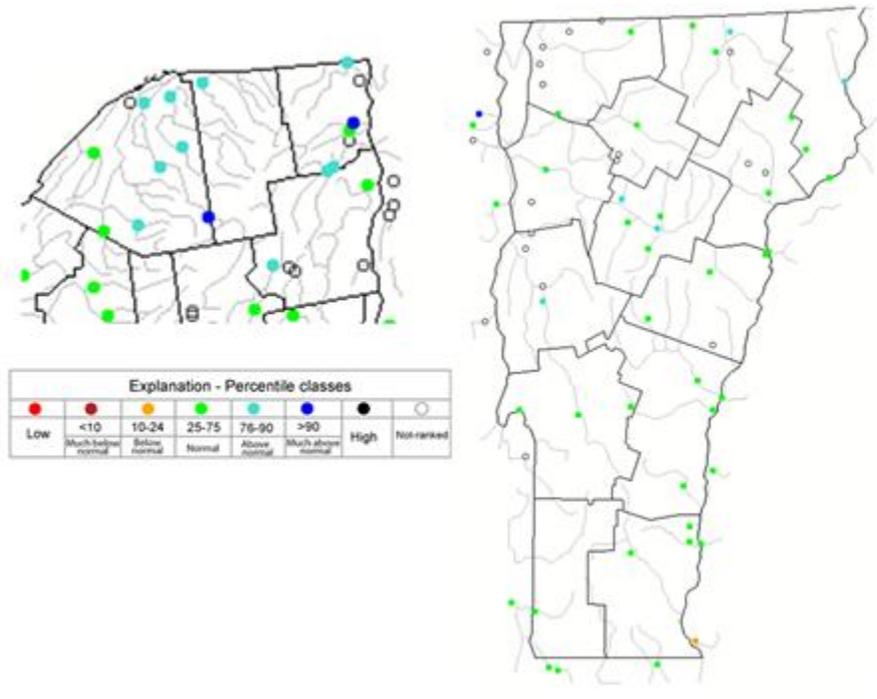


Figure 3: May 2018 monthly average streamflow for Northern New York and Vermont, showing normal to above normal area-wide.