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| NWS Form E-5 (04-2006) (PRES. BY NWS Instruction 10-924) | U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE | HYDROLOGIC SERVICE AREA (HSA) Burlington VT | |
| | | REPORT FOR: MONTH YEAR February 2019 | |
| MONTHLY REPORT OF HYDROLOGIC CONDITIONS TO: Hydrologic Information Center, W/OS31 NOAA's National Weather Service 1325 East West Highway Silver Spring, MD 20910-3283 | | SIGNATURE /s/ Robert Deal, Meteorologist | |
| | | DATE March 26, 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.

February 2019 ended up with near normal temperatures and slightly wetter than normal across portions of Northern New York and drier than normal across eastern Vermont (Figure 1 and Figure 2). After a variable January, we again saw a few widespread temperature swings starting out the month on the warm side before entering a deep freeze across the North Country through the middle portion of the month followed by another warmup and deep freeze to end February. While the snowfall across the region ended up near normal, most fell all in one event as 8 to 12 inches of snow fell on Feb 13-14th.(Figure 3)

The North Country started February with generally 8 to 12 inches of snow on the ground in the valleys and 40+ inches in the higher terrain (Figure 4) and ended the month with 2 to 8 inches of snow on the ground in the valleys while still holding on to high totals in the higher summits. With most of the precipitation falling as snow or just added to SWE there were few hydrologic impacts except from an on-going ice jam situation in northern New York on the Little Salmon River in Malone. Conditions in the town of Malone improved throughout the month and did not worsen.

River flows averaged above normal through the month, and ended the month much above normal for most locations (Figure 5) heading into March.

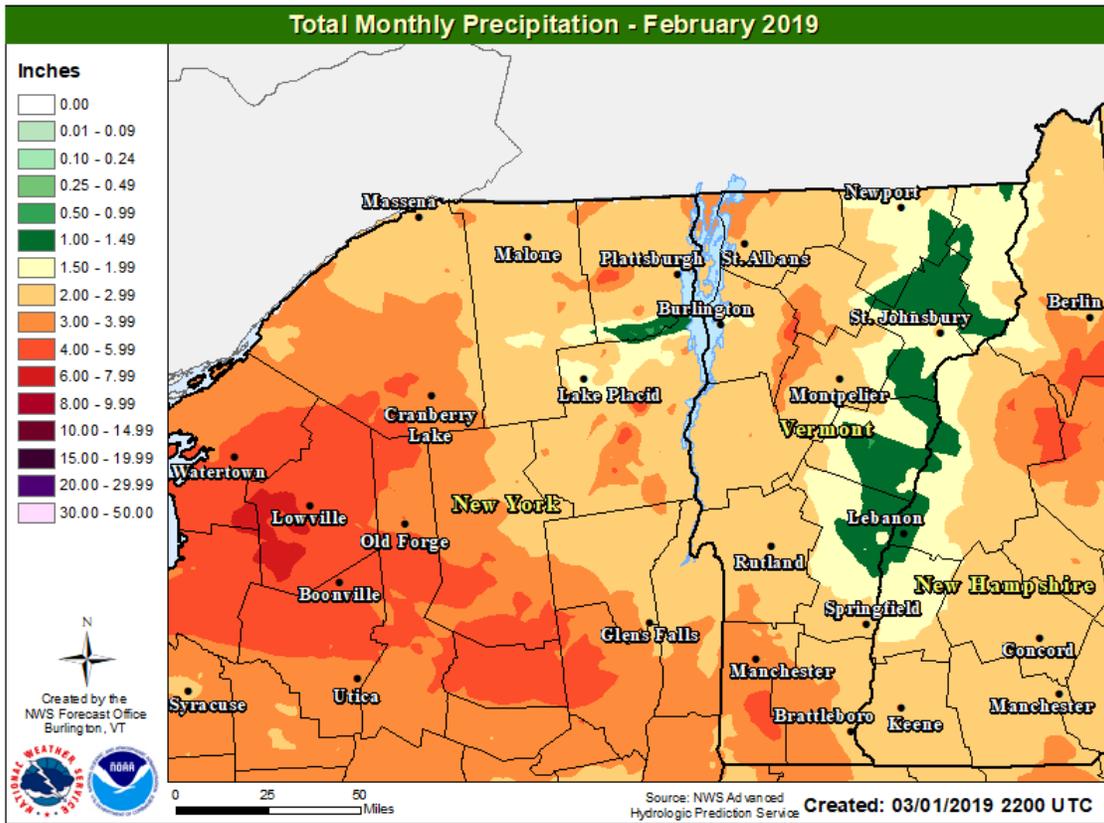


Figure 1: Total liquid Precipitation for the month of February 2019

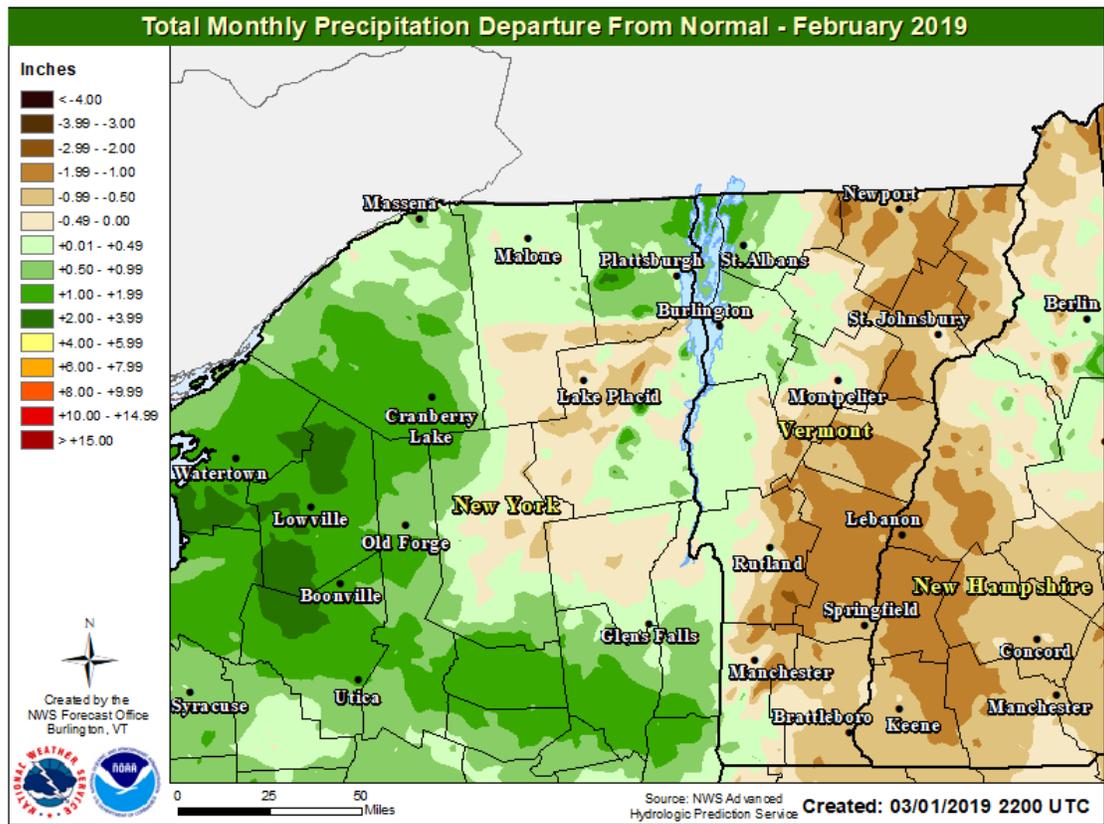


Figure 2: Precipitation departure from normal for February 2019.

Modeled Snow Depth for 2019 February 1, 6:00 UTC

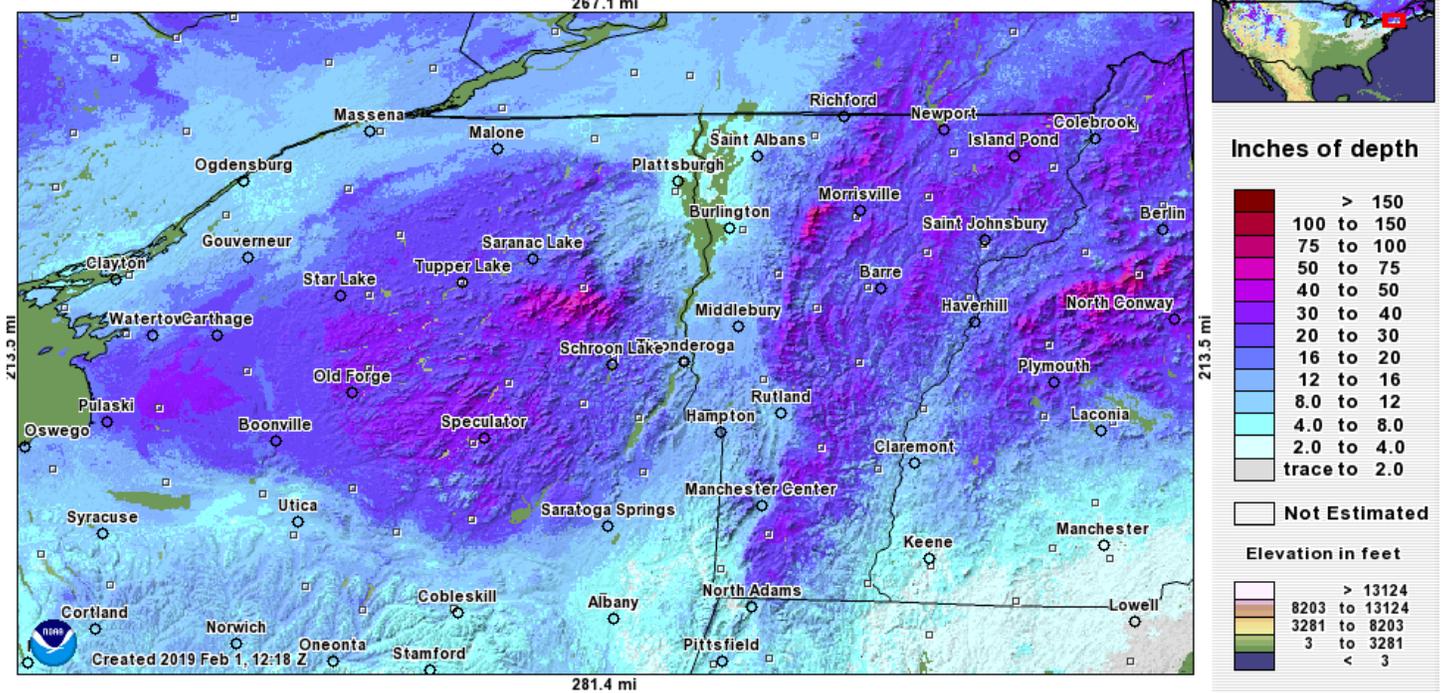


Figure 4: Snow depth across the North Country to start February.

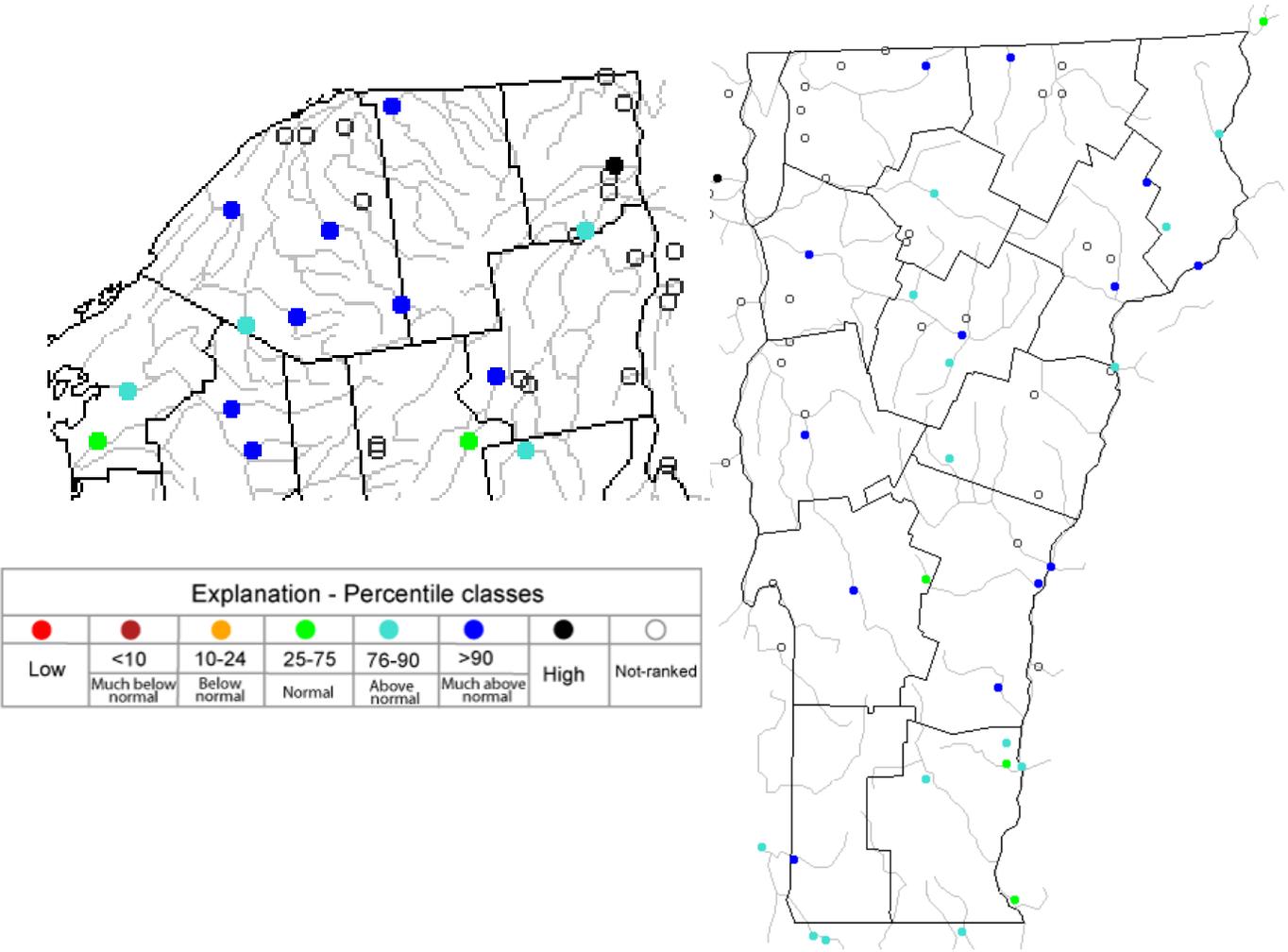


Figure 5: Monthly Streamflows for February 2019.