

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

MONTHLY REPORT OF HYDROLOGIC CONDITIONS

REPORT FOR:

MONTH

YEAR

February

2021

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

SIGNATURE

Maureen Hastings, Lead Meteorologist /s/

DATE

03/13/2021

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.

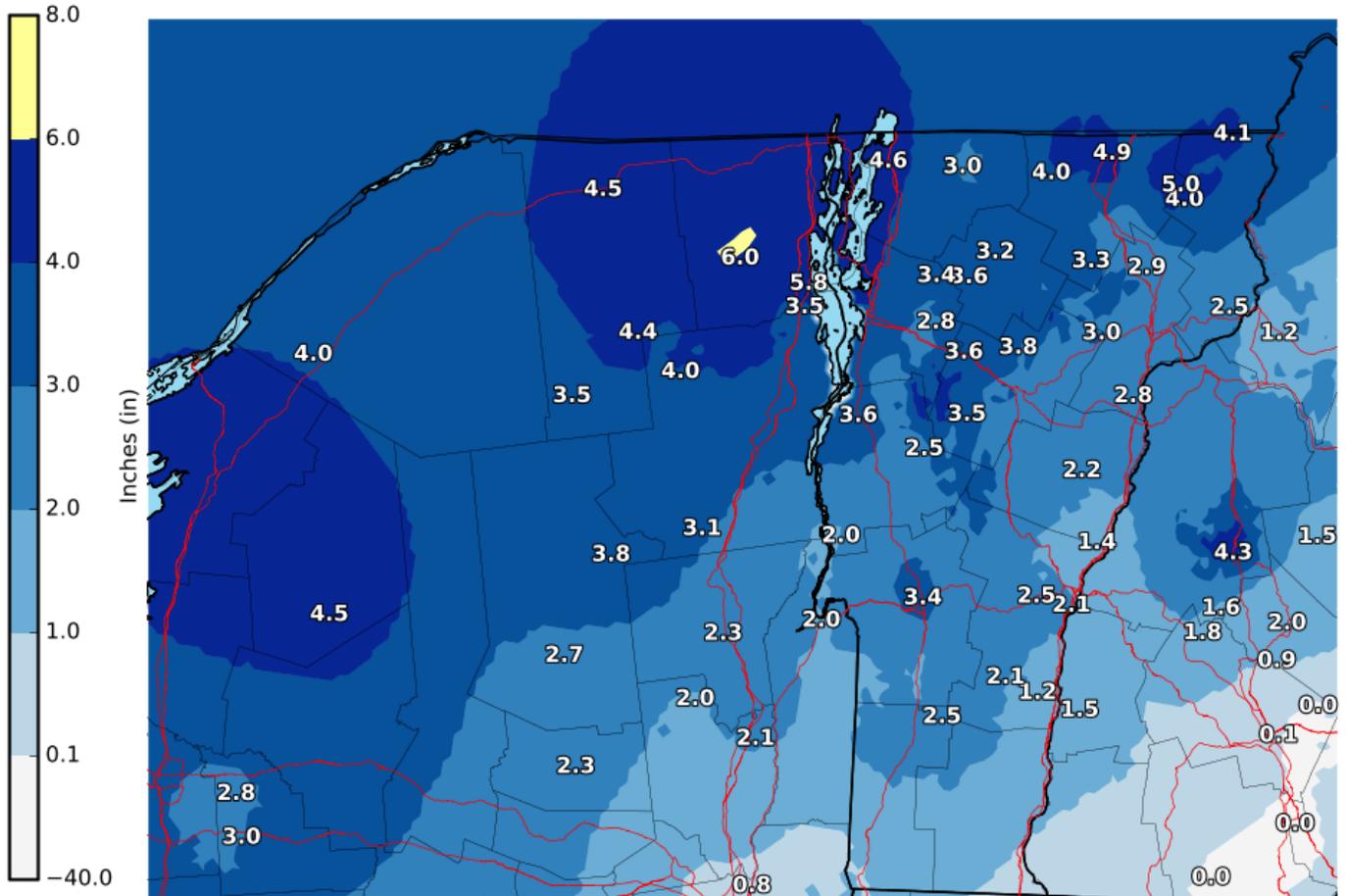
February 2021 was generally dry and cold across the NWS Burlington HSA, with both temperatures and precipitation averaging slightly below normal across the region. The month started out cold with record lows being set on the 1st. Another round of bitter cold struck in the middle of the month, but conditions started to warm late, starting to allow a bit of daytime snowmelt during the last week or so.

The most significant precipitation event occurred in the middle of the month, when widespread 3 to 7 inches of snow fell (see Figure 1 below). Otherwise, any precipitation events were relatively minor and fell mainly as snow. Snowpack across the region generally grew slightly through the month. River flows averaged near to below normal, allowing river ice to strengthen, though it too remained thinner and weaker than normal, especially along central and southern waterways.

With little in the way of liquid precipitation or snowmelt, drought conditions remained basically unchanged through February. See Figure 3 below for the drought conditions at the end of the month.

24-hr Snowfall Totals

Valid: 7 AM Monday February 15, 2021 to 7 AM Tuesday February 16, 2021



National Weather Service
Burlington, VT
02/16/2021 11:11 AM EST

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Figure 1. 24-hr snowfall from 7am Feb 15 to 7am Feb 16.

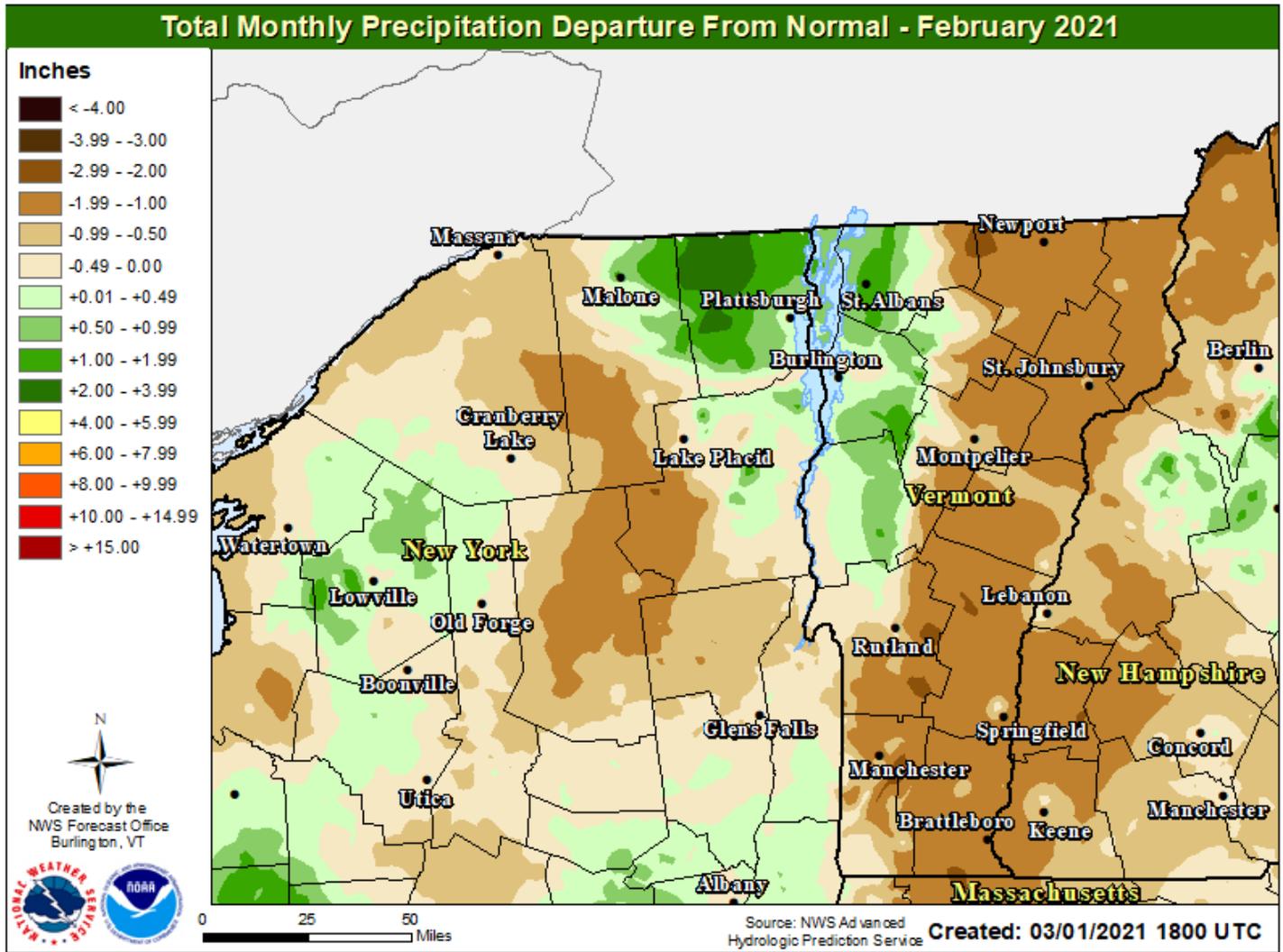


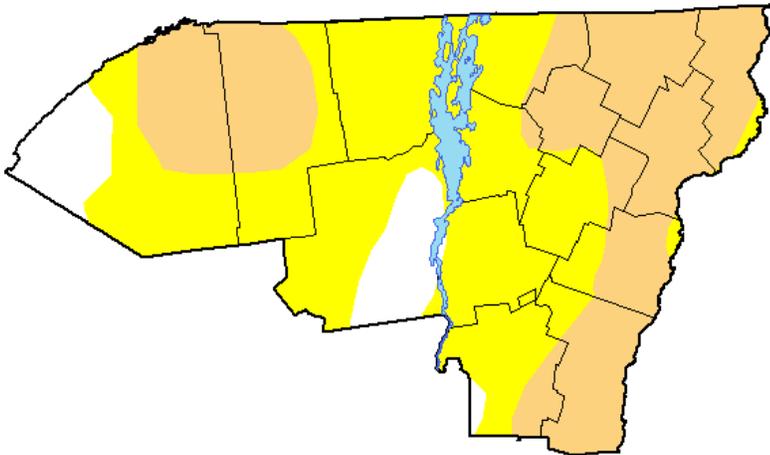
Figure 2. Monthly precipitation departure from normal for January 2021.

U.S. Drought Monitor Burlington, VT WFO

March 2, 2021
(Released Thursday, Mar. 4, 2021)
Valid 7 a.m. EST

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	9.26	90.74	40.04	0.00	0.00	0.00
Last Week 02-23-2021	9.26	90.74	40.04	0.00	0.00	0.00
3 Months Ago 12-01-2020	16.32	83.68	39.78	0.00	0.00	0.00
Start of Calendar Year 12-29-2020	12.83	87.17	38.15	0.00	0.00	0.00
Start of Water Year 09-29-2020	0.00	100.00	60.50	18.06	0.00	0.00
One Year Ago 03-03-2020	100.00	0.00	0.00	0.00	0.00	0.00



Intensity:

- None
- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
- D4 Exceptional Drought

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>

Author:

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National Drought Mitigation Center



droughtmonitor.unl.edu

Figure 3. U.S Drought Monitor map for 2 March, 2021 showing abnormally dry to moderate drought conditions persisting across the NWS Burlington HSA.