

<b>NWS Form E-5</b> (04-2006) (PRES. BY NWS Instruction 10-924)	<b>U.S. DEPARTMENT OF COMMERCE</b> <b>NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION</b> <b>NATIONAL WEATHER SERVICE</b>	HYDROLOGIC SERVICE AREA (HSA) Burlington VT
<b>MONTHLY REPORT OF HYDROLOGIC CONDITIONS</b>		REPORT FOR: MONTH            YEAR March    2014
		SIGNATURE /s/ Jessica A. Neiles, Meteorologist WFO BTV  DATE April 11, 2014
TO: Hydrologic Information Center, W/OS31 NOAA's National Weather Service 1325 East West Highway Silver Spring, MD 20910-3283		

*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 2014 featured well below normal temperatures across the area, with a brief warmup at the end of the month. Typically spring melt begins by mid-March; however colder than normal temperatures retained above normal snowpack later in the month. There were three precipitation events, with the first two in the form of snow, and the third producing rainfall and some snowmelt. Isolated and minor ice jam flooding developed at the end of the month.

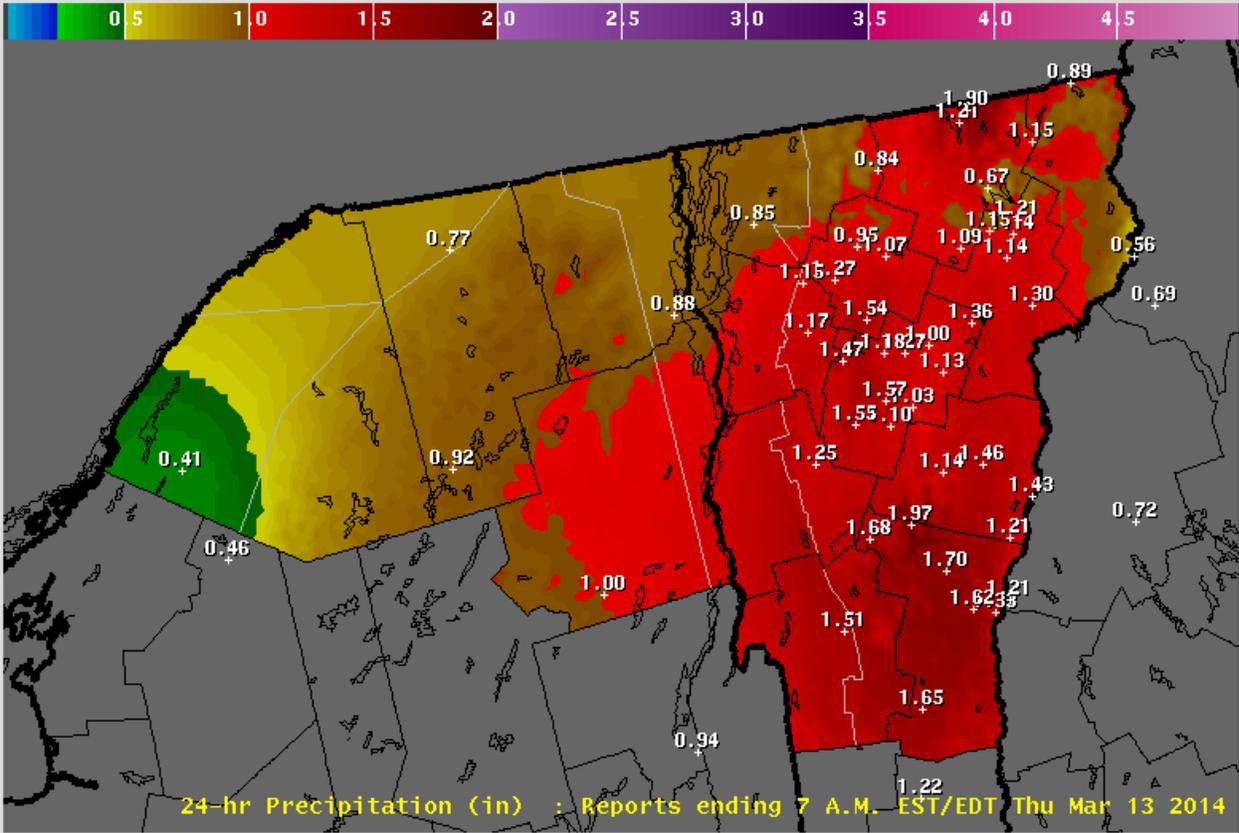
The first widespread snowfall across Northern New York and Vermont on March 12 produced 8 to 18 inches of snow and 0.5 to 2 inches of water equivalent. The second snowfall was mainly in southern and eastern Vermont, with 4 to 8 inches of snow containing 1/4 to 1 inch of liquid water.

The final precipitation event March 27 to 30 was accompanied by above freezing temperatures. A Flood Watch for ice jams was issued at 18:57 UTC on March 28, in effect from 00:00 UTC March 30 through 12:00 UTC March 31. A half to one inch of rain fell in the south, and mixed with sleet and snow in the north. Runoff from snowmelt and rainfall caused within bank rises of two to five feet on area rivers, and small creeks and streams in central and southern Vermont rose enough to break up their river ice cover. An ice jam developed on Stevens Branch in Williamstown Vermont, closing a portion of Route 14, and a Flood Advisory was issued. The Middlebury River along Route 125 through East Middlebury Village also cleared of ice, but no flooding was reported.

Precipitation totals for the month of March ranged from around an inch in the St. Lawrence valley up to 6" in some of the higher elevations of Vermont. Most locations received near to below normal precipitation.

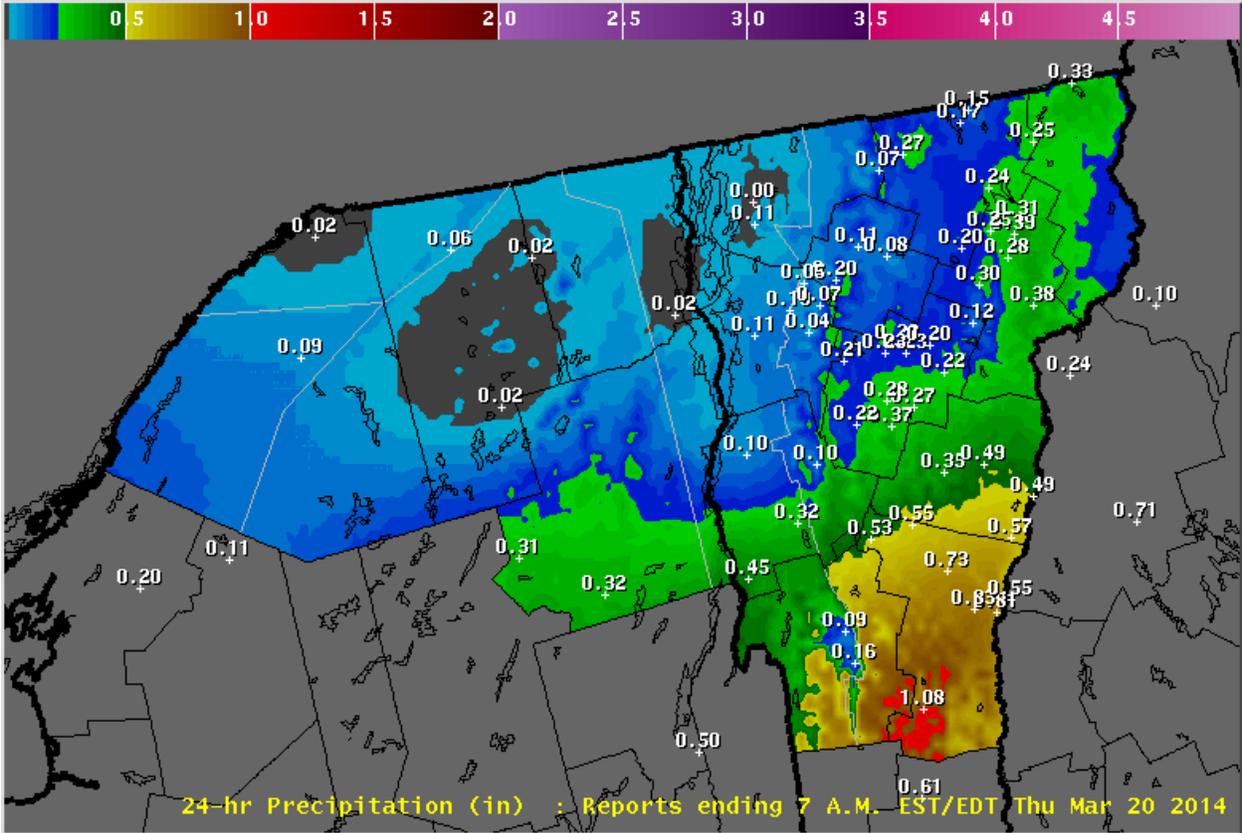
Lake Champlain was completely ice covered during March, and slowly fell from near 95.6 feet on March 1 to 94.9 feet at the end of the month.

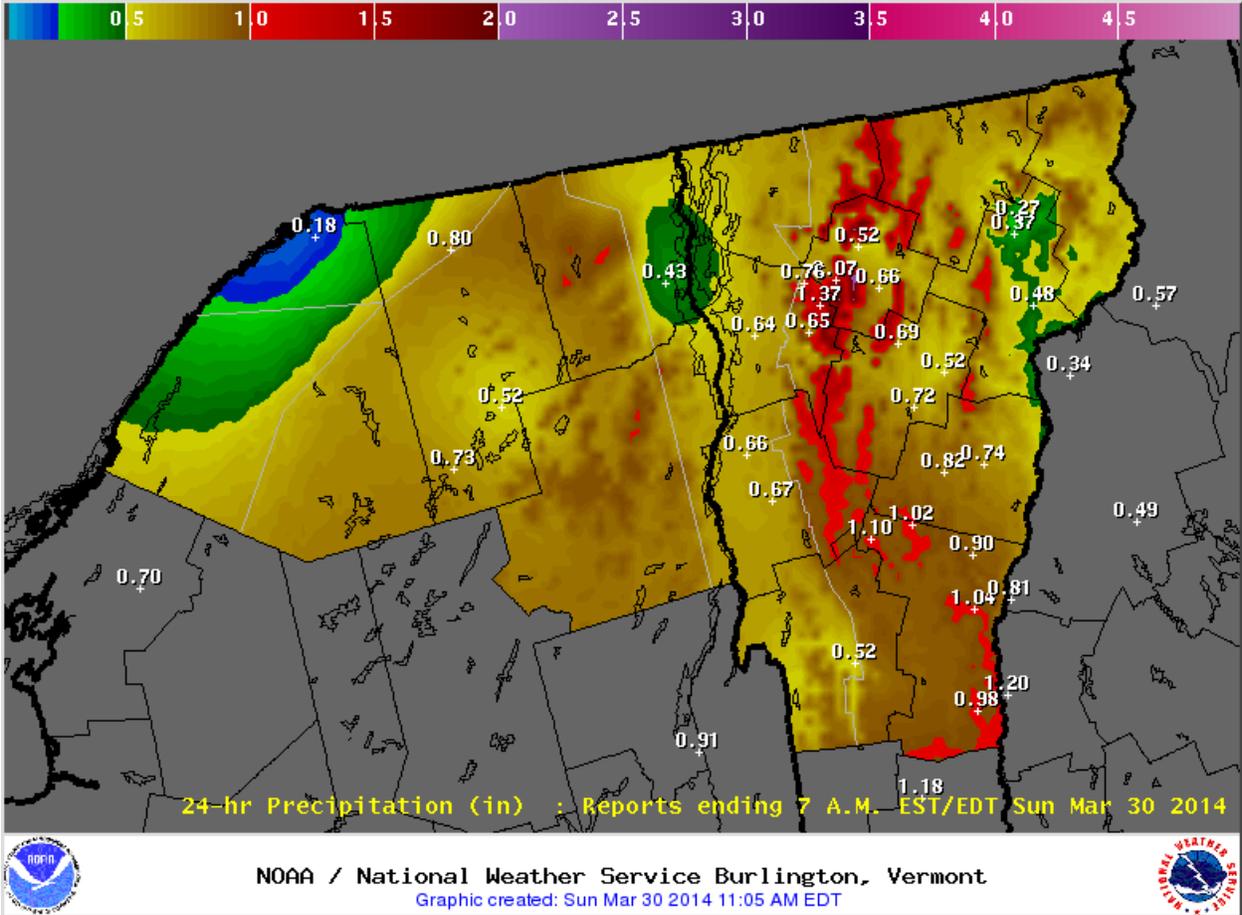
Regularly scheduled Winter/Spring Flood Outlooks were issued on March 6, 13, and 20, and highlighted an above normal spring flood threat due to an above normal snowpack late in the season.



NOAA / National Weather Service Burlington, Vermont  
 Graphic created: Thu Mar 13 2014 10:40 AM EDT









# North Country Monthly Precipitation Departure From Normal - March 2014

