

MONTHLY REPORT OF HYDROLOGIC CONDITIONS

REPORT FOR:
MONTH YEAR
March 2012

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

SIGNATURE
/s/ John M. Goff, METEOROLOGIST WFO BTW

DATE
April 18, 2012

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 March 2011 was characterized by a continuation of abnormally dry conditions along with all-time record warmth. Several weak low pressure systems brought occasional light and variable precipitation in the form of rain and snow to the region. However, on average observed amounts were typically under a half an inch with any given system. This led to monthly precipitation totals of 1 to 2.5 inches across the HSA with end-month departures of -0.5 to -1.5 inches across the north, and -1.0 to -2.5 inches across the south (Figures 1 and 2). While the area did experience brief cool spells, the month as a whole was characterized by unseasonably warm temperatures, culminating during the week of March 19th when numerous high temperature records were set. Due to the unprecedented warmth, an already lower than normal snowpack was all but decimated by the middle to later portions of the month, with modest peak spring freshet flows observed during the 9th and 10th. The only notable flooding occurred during this period, and was of an isolated nature due to ice jams on the Great Chazy and Missisquoi Rivers. The jam that occurred on the Missisquoi River on the 9th did close several roads including a portion of State Route 105 (see Figure 3).

**Non-Routine Hydrologic Products
March 2012
WFO Burlington VT**

PIL	Time (UTC)	Date	Description
ESF	2148	03/01/12	Winter/Spring Flood Outlook #5
FLS	0609	03/09/12	SMALL STREAM FOR ICE JAM NEAR EBKV1
FLS	0723	03/09/12	CONTINUE SMALL STREAM
FLS	0824	03/09/12	SMALL STREAM FOR ICE JAM NEAR CZRN6
FLS	1217	03/09/12	SMALL STREAM FOR ICE JAM NEAR EBKV1
FLS	1414	03/09/12	EXPIRE SMALL STREAM NEAR CZRN6
FLS	1827	03/09/12	SMALL STREAM FOR ICE JAM NEAR EBKV1
FLS	0015	03/10/12	CANCEL SMALL STREAM NEAR EBKV1
ESF	1747	03/15/12	Winter/Spring Flood Outlook #6
ESF	1413	03/29/12	Winter/Spring Flood Outlook #7

**Significant River Crests
March 2012
WFO Burlington VT**

Location	ID	Date	Time (UTC)	Crest Stage (ft)	Flood Stage (ft)
Great Chazy R. at Perry Mills, NY	CZRN6	03/09/12	1915	9.20 (ice)	9.0
Missisquoi R. at E. Berkshire, VT	EKBV1	03/09/12	0530	11.48 (ice)	13.0
Winooski R. at Essex Jct, VT	ESSV1	03/09/12	1245	9.78	12.0
Barton R. at Coventry, VT	COVV1	03/09/12	1900	7.82	8.0

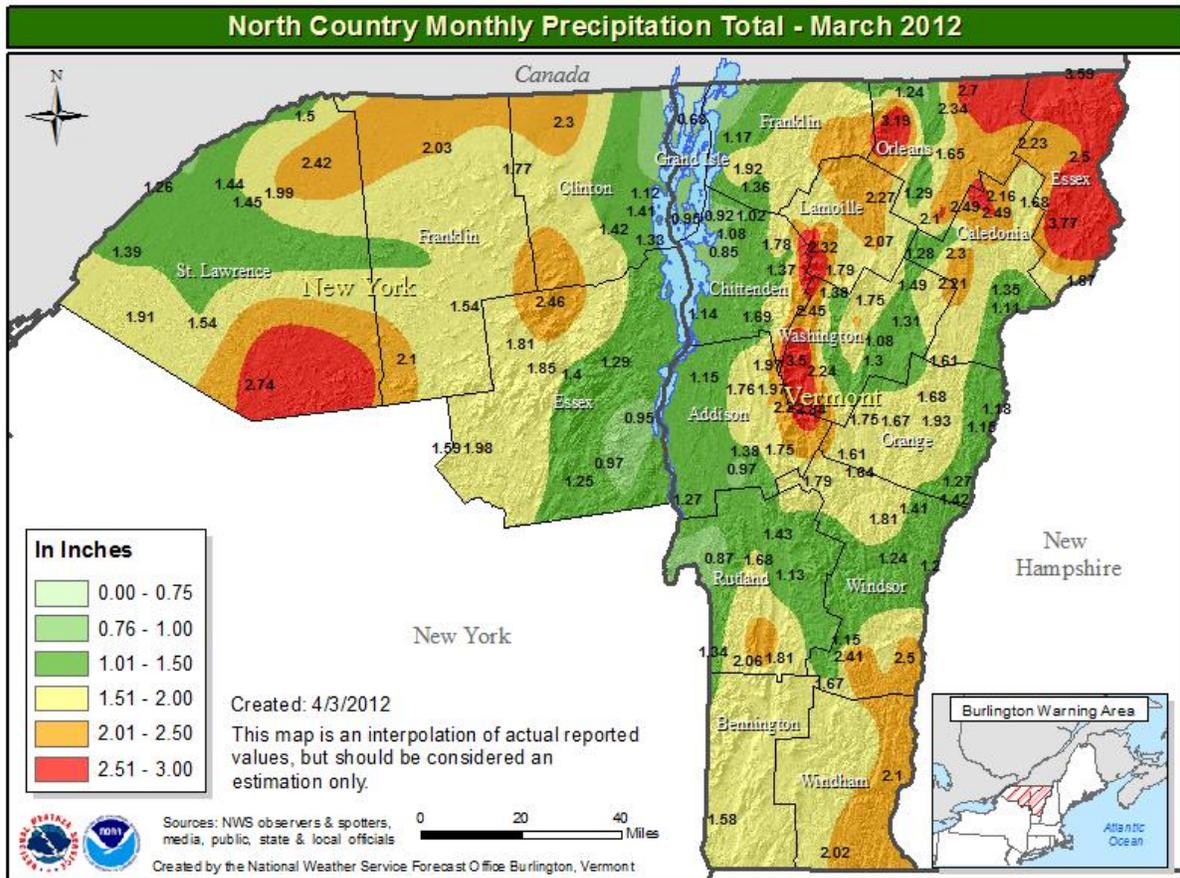


Figure 1. March 2012 precipitation totals.

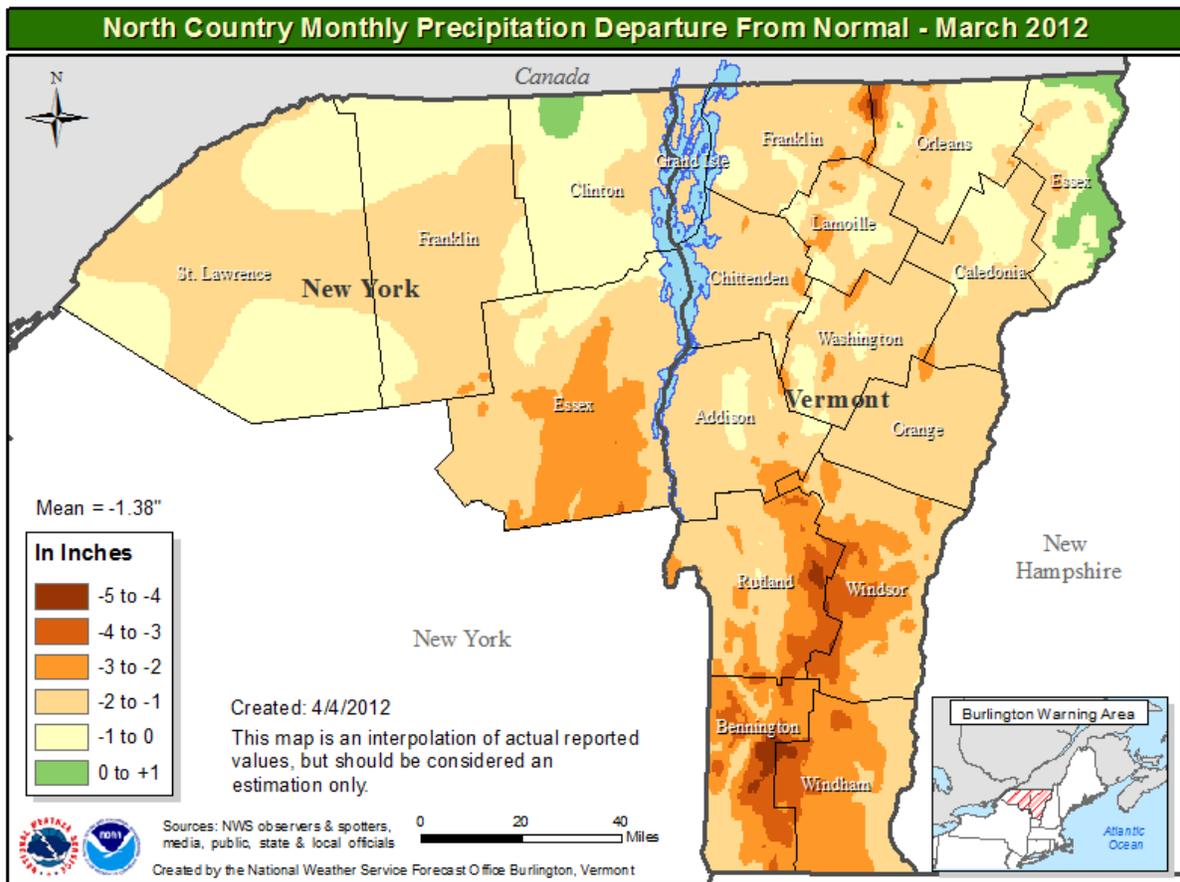


Figure 2. March 2012 precipitation departures.



Figure 3. Ice jam on the Missisquoi River near EKBV1 during March 9, 2012.