

<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 February        2015
TO: Hydrologic Information Center, W/OS31 NOAA's National Weather Service 1325 East West Highway Silver Spring, MD 20910-3283		SIGNATURE /s/ Gregory A. Hanson, SH WFO BTW <hr/> DATE March 11 2015

*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 continued the cold and dry trend that began in January. Average temperatures for the entire month were in the single digits across the entire region, which was near fifteen degrees below normal. There were minor additions to the snowpack as fast moving clipper type systems brought light snowfall and arctic cold fronts to reinforce the cold temperatures. With the absence of a January or February thaw, snow pack in northern New York and Vermont built to near normal levels, with 3 to 4 feet at higher elevations and 1 to 2 feet in the valleys. Higher elevations held 8 to 12 inches of liquid water, and the valleys held 3 to 6 inches. The Champlain and St. Lawrence Valleys coverage was less, with 8 inches to a foot of snow depth and one to three inches of water by the end of February.

River ice grew to full coverage on area rivers, and ice thickened to one to one and a half feet thick. The cold temperatures prevented any runoff, and rivers remained nearly steady or slowly fell at their normal base flow levels throughout the February (fig 3). On February 16 Lake Champlain became 100 percent ice covered for the second year in a row.

Winter/Spring flood outlooks were issued on February 5 and 19, with a near normal spring flood threat.

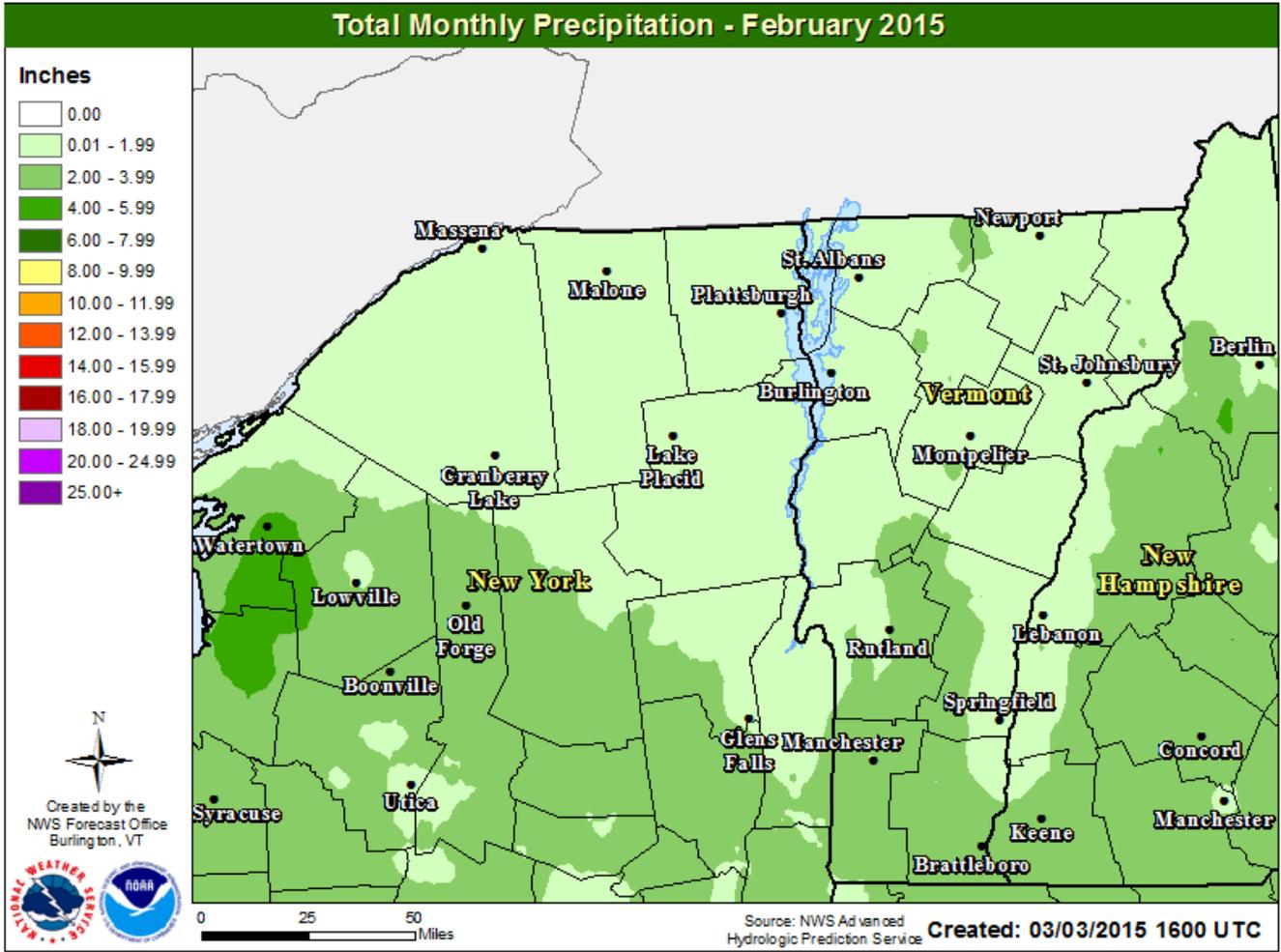


Figure 1, Precipitation for February 2015

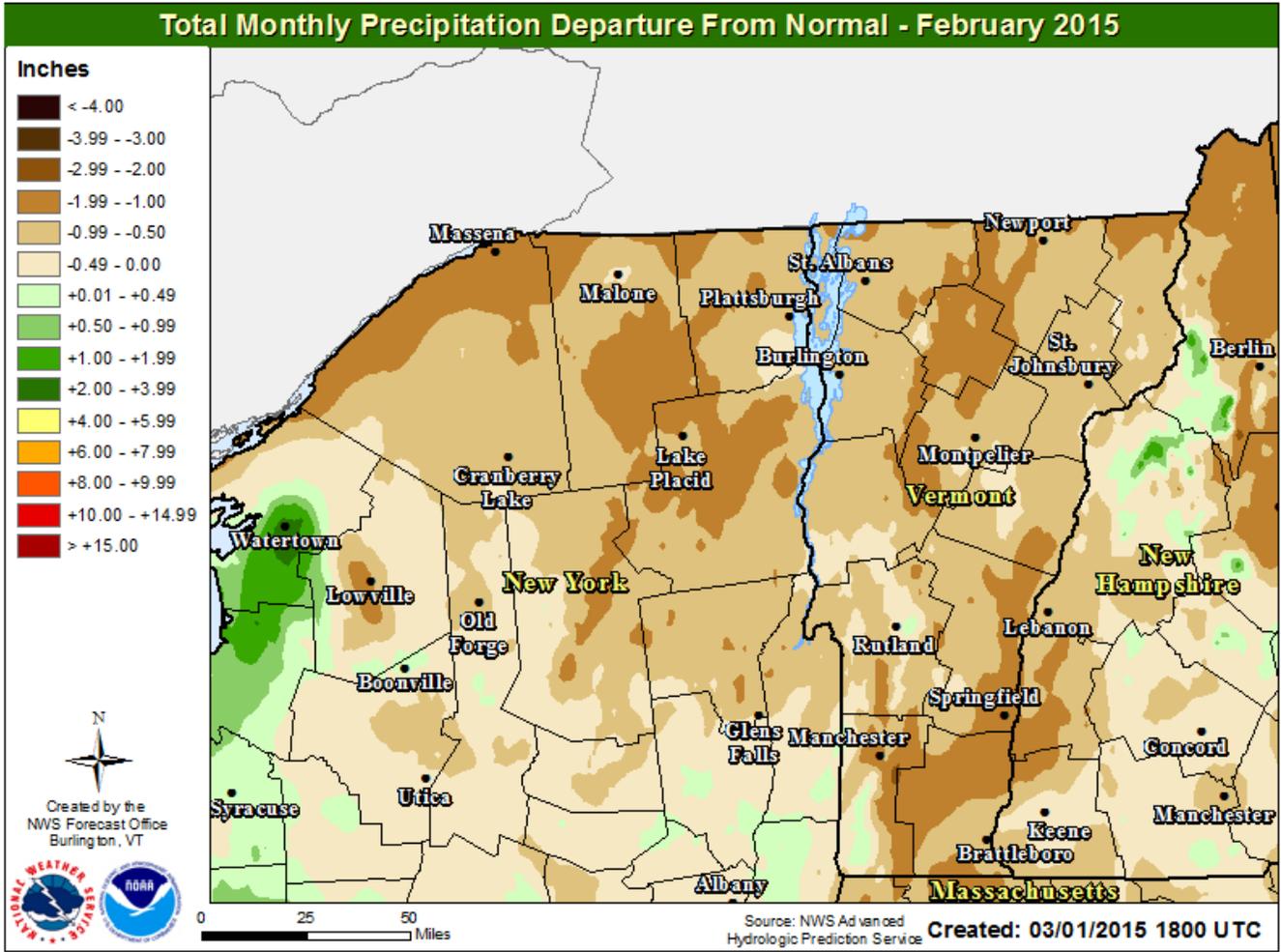
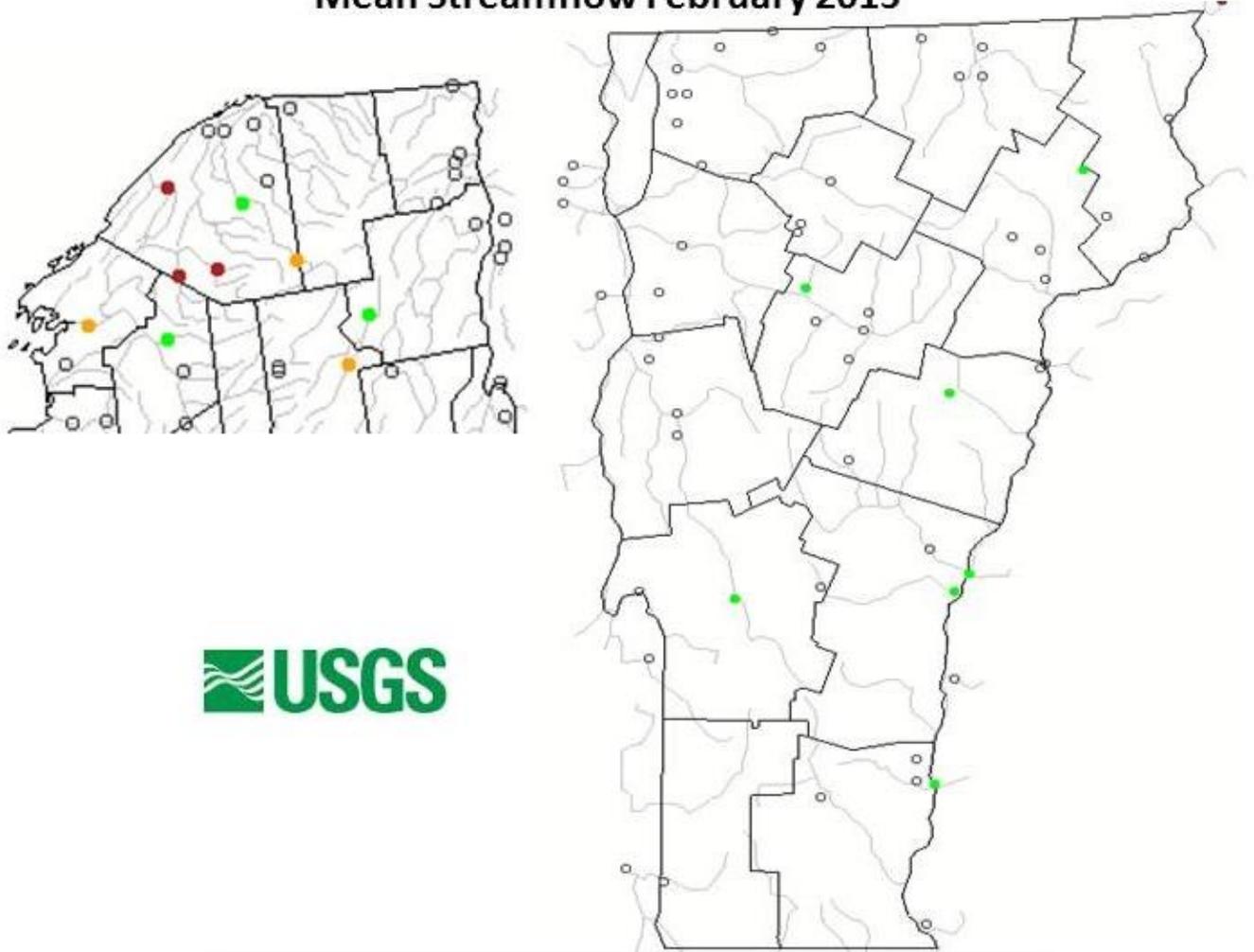


Figure 2, Precipitation departure from normal for February 2015

### Mean Streamflow February 2015



Explanation - Percentile classes							
Low	<10	10-24	25-75	76-90	>90	High	Not-ranked
	Much below normal	Below normal	Normal	Above normal	Much above normal		

Figure 3, Average River Flow for February 2015

**Significant River Crests  
July 2011  
WFO Burlington VT**

-none-