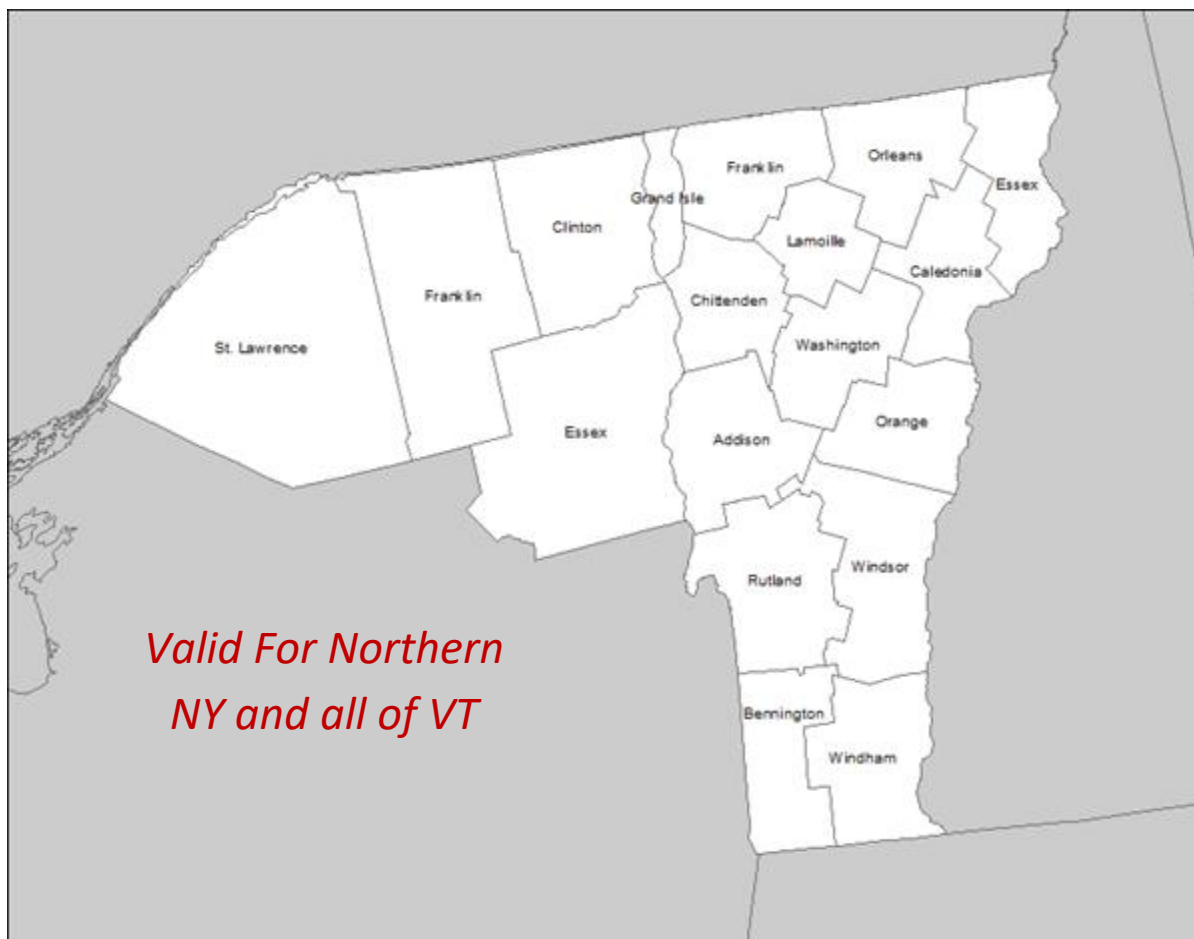




# NWS Burlington Winter/Spring Flood Outlook

Valid March 14 to 28, 2024



*Valid For Northern  
NY and all of VT*

This brief is to provide graphical representation of the local Winter/Spring Flood Potential Outlook product issued today.

Local BTV Text Product - <https://w1.weather.gov/data/BTV/ESFBTV>



# Overview

## OVERVIEW/TAKEAWAYS:

- The open water flood potential is below normal for the St Lawrence Valley and northwestern Adirondacks. The flood potential is above normal for a small localized area in Essex County NY, and normal across the rest of the region. While river flows and soil moisture are generally above normal, they are offset by a below normal snowpack covering much of the region. Likewise, the lack of significant river ice cover indicates the ice jam flood threat is well below normal to non-existent.
- Snow cover and snow water content are currently below normal in all areas.
- On average, near normal temperature and precipitation is expected, with a turn toward above normal at the end of the two week period.

[Link to Detailed BTV Spring Flood Outlook](#) [Link to NERFC Spring Flood Outlook](#)

## HAZARDS & IMPACTS

- Currently, no flood impacts are expected through the two week period.

## OUTLOOK CHALLENGES

- Near normal temperatures and precipitation are expected over the next two weeks, and no large-scale heavy rain/snow storms are expected at this time. However, it is always important to stay abreast of future weather forecasts, especially in the longer term when predictability is naturally lower.

## ADDITIONAL INFORMATION

- **Recent precipitation:** Above normal
- **Snow cover:** Below normal
- **Snow water equivalent:** Below normal
- **River levels:** Near to above normal
- **Soil Moisture:** Above normal
- **Groundwater:** Above normal
- **Temperature outlook:** Near normal, then above normal
- **Precipitation outlook:** Near normal, then above normal

## Flood Potential

## Regions

Above

Small area of Essex County in NY

Normal

Northeastern Adirondacks, Champlain Valley, & all of Vermont.

Below

St. Lawrence Valley & northwestern Adirondacks in NY.

Next Briefing

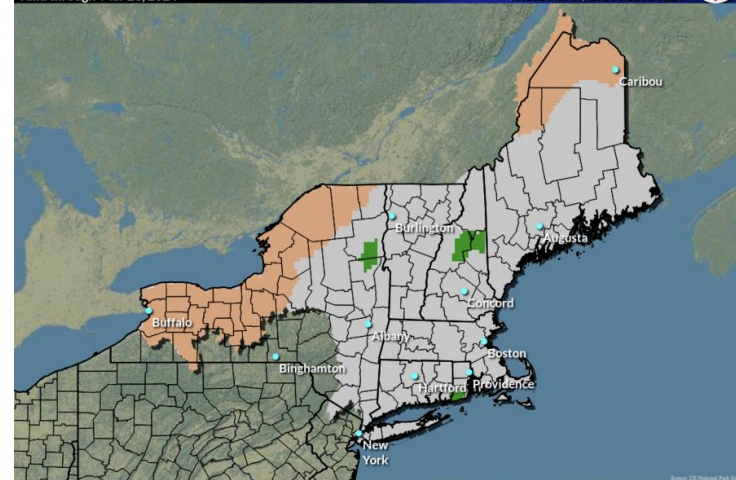
March 28, 2024

## Winter/Spring Flood Potential Outlook

Valid through Mar 28, 2024

River Forecast Center  
Northeast RFC

Issued Mar 14, 2024 6:58 AM EDT



f NWSNERFC

weather.gov/herfc



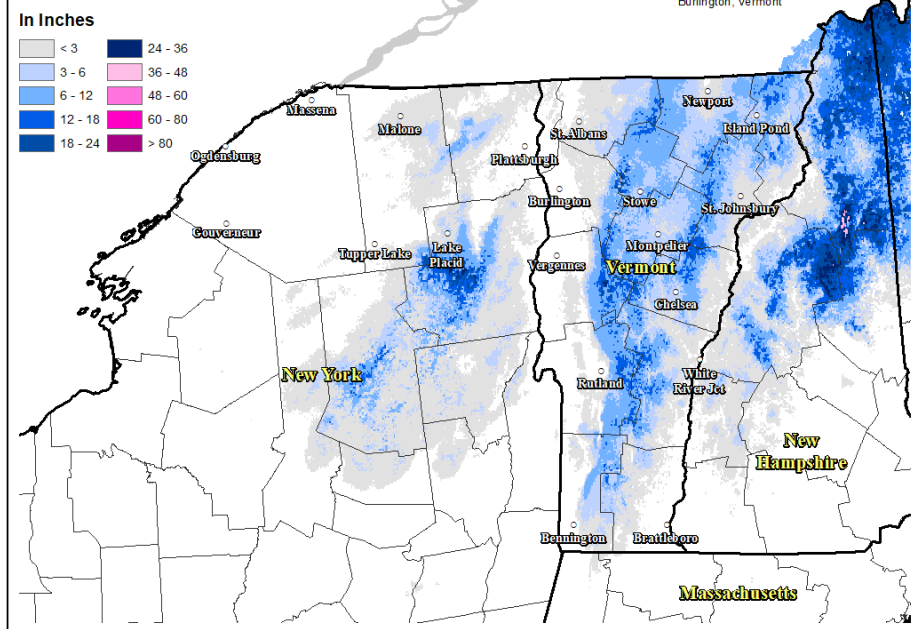


# Snowpack Data for March 14, 2024

## Snow Depths

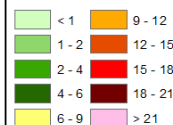
Champlain, CT and St. Lawrence Valleys: **0-3"**  
Mid-terrain (1000-2500'): **~ 0.5 to 1 ft. (large variability)**  
Higher terrain and summits (> 2500') : **~ 2-3+ ft.**  
**Below normal for the middle of March**

North Country Snow Depth  
Thursday, March 14, 2024

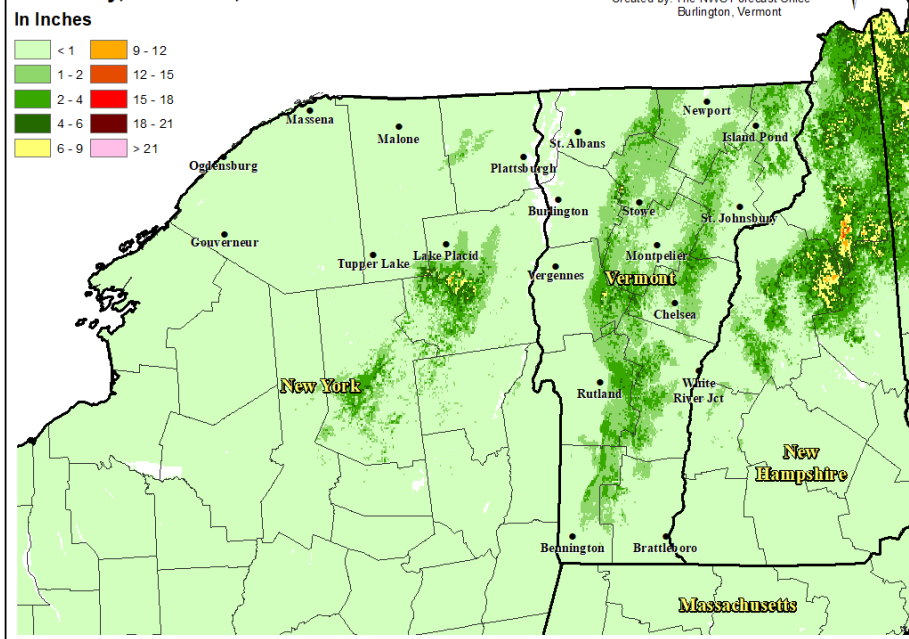


North Country Snow Water Equivalent  
Thursday, March 14, 2024

In Inches



Source: National Operational Hydrologic Remote Sensing Center  
Created by: The NWS Forecast Office Burlington, Vermont



## Water Equivalents (Snow Water Content)

Areas below 1000' including the Champlain, Lower CT and St. Lawrence Valleys : **Zero to < 1 inch**  
Mid-terrain (1000-2500'): **~ 1.5 to 3 inches (large variability)**  
Higher terrain and summits (> 2500'): **~ 3-5+ inches**  
**Below normal for the middle of March**



# River Ice Coverage

- Mostly open water across Northern New York and Vermont.
- **The ice jam threat has largely passed for the season.**

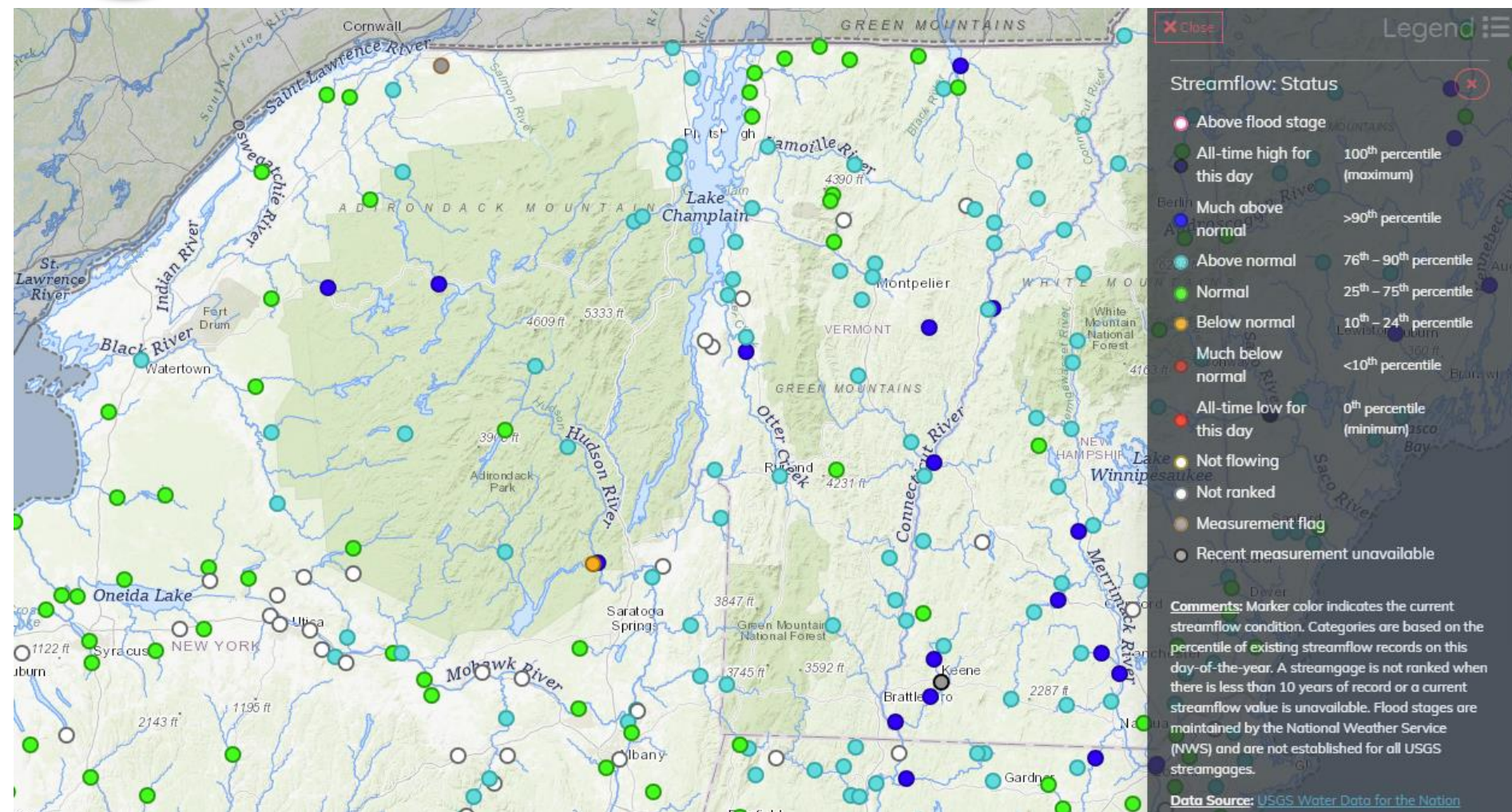


Lamoille River near Morrisville, VT (Feb. 5, 2024)





# Streamflows across VT and NY on March 14, 2024



Currently: Normal to above normal across most of our area (courtesy [USGS Water Dashboard](https://waterdata.usgs.gov/nwis/))

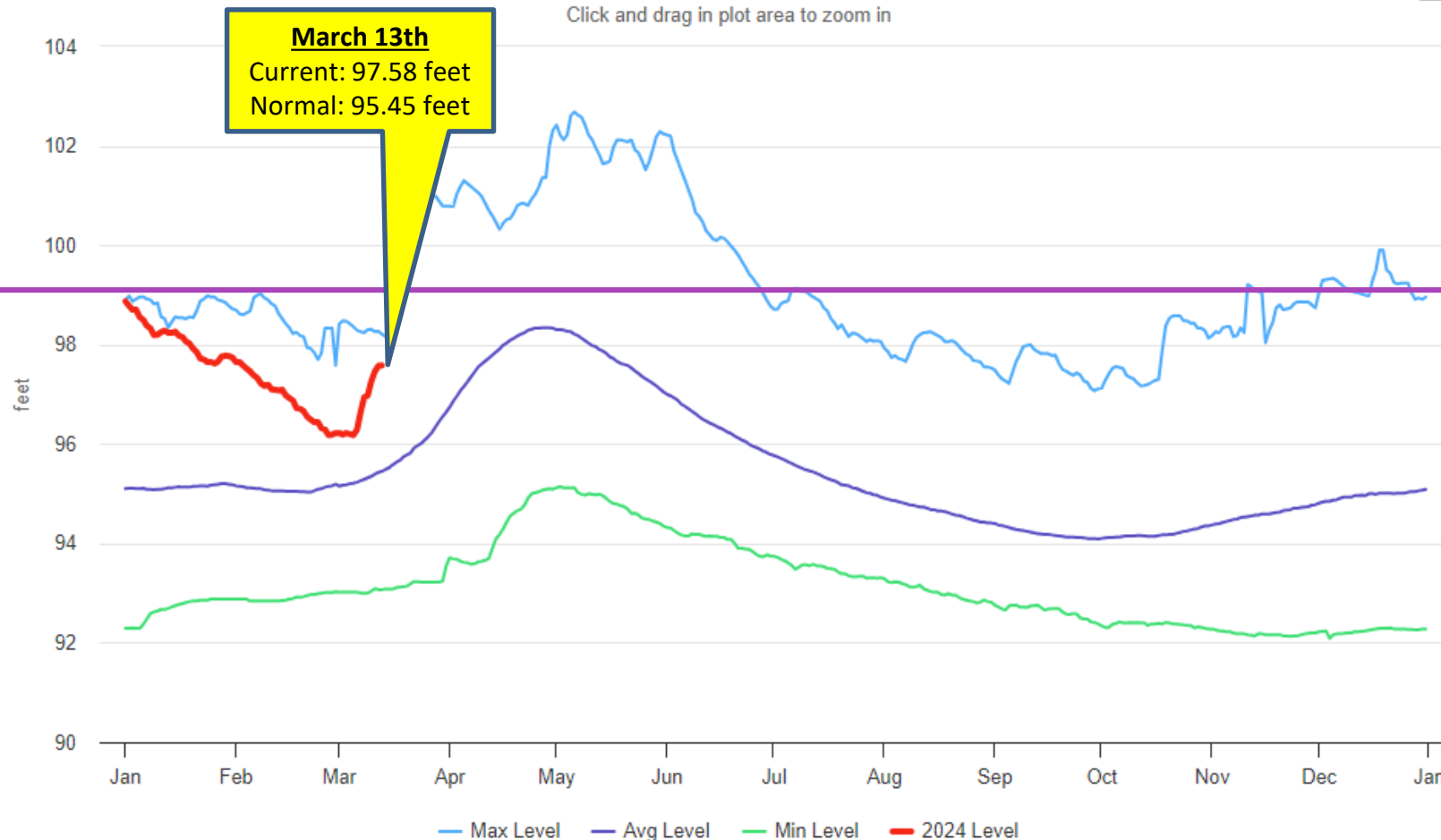


# Lake Champlain

No Immediate Concerns – We will be monitoring closely through spring

Lake Champlain Extremes and 2024 Level

Click and drag in plot area to zoom in



**Current level remains above normal and has trended upward with recent rainfall.**

Springtime levels still heavily reliant on future precipitation, but for now we are forecasting a near normal flood threat for the lake heading into Spring.





# 6-10 Day Outlook

Normal Temperatures: **Highs:** Lower 40s **Lows:** Mid 20s

**TEMPERATURES:** Near Normal

**PRECIPITATION:** Near Normal



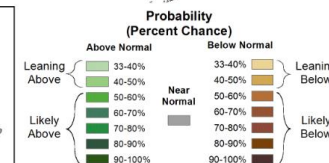
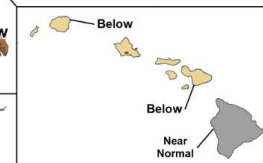
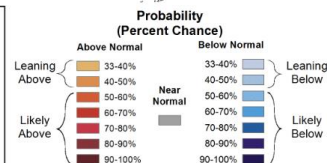
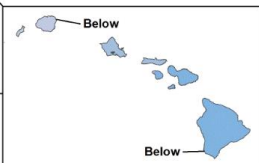
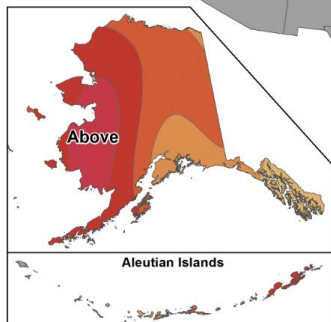
## 6-10 Day Temperature Outlook

Valid: March 19 - 23, 2024  
Issued: March 13, 2024



## 6-10 Day Precipitation Outlook

Valid: March 19 - 23, 2024  
Issued: March 13, 2024

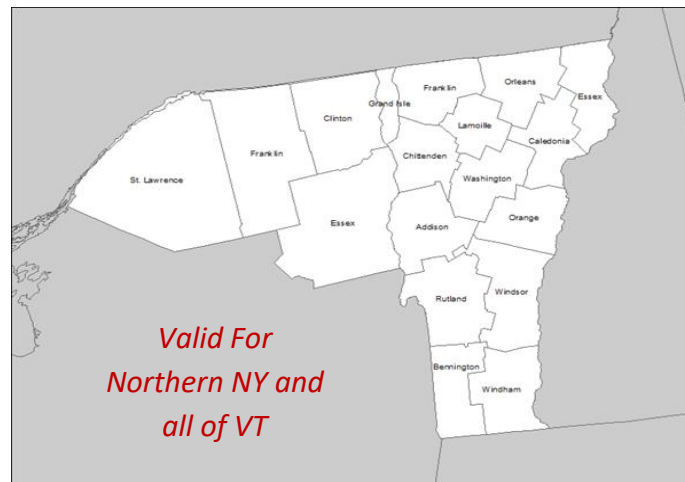




# Contact and Next Briefing Information

## Next Spring Flood Outlook Briefing

*Issued every 2 weeks -  
NEXT will be March 28<sup>th</sup>*



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