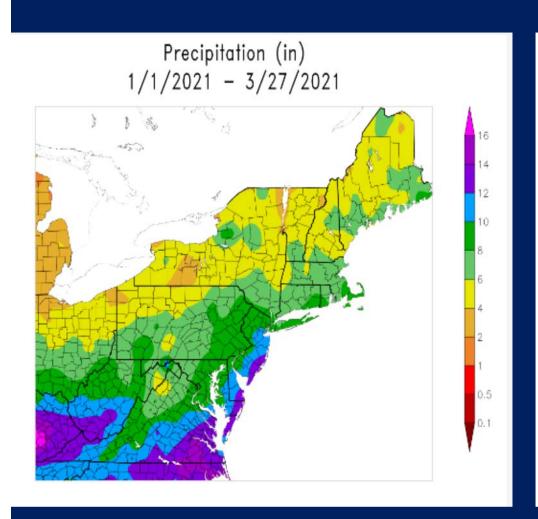
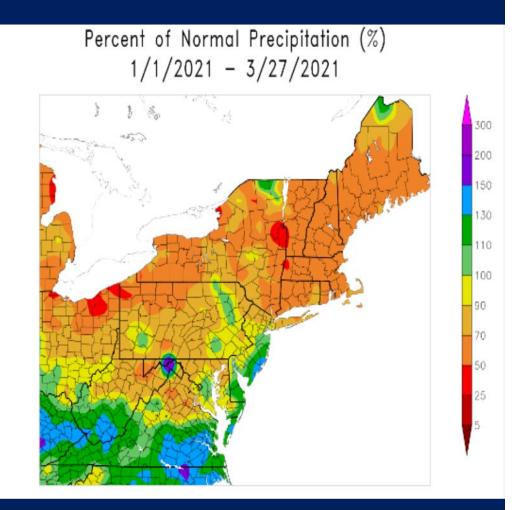


### **OVERVIEW**

- Yearly Precipitation
- Snow Recap
- Current Flows
- Recent Flooding / Ice Breakup
- Groundwater and Water Supply
- Antecedent Moisture Conditions
- Flood / Drought Outlook

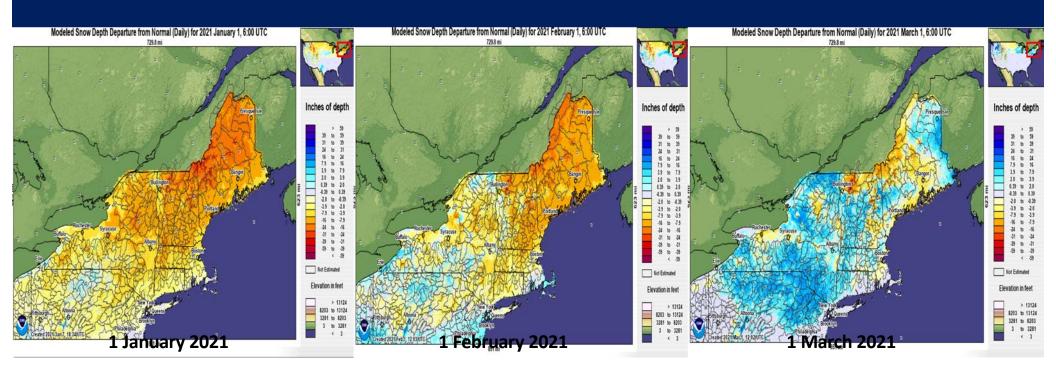
## **PRECIPITATION**





### **SNOW**

- Snowfall was below normal across much of the NERFC service area for the winter of 2020-2021
- Snowpack did make a decent recovery in most places from February into early March



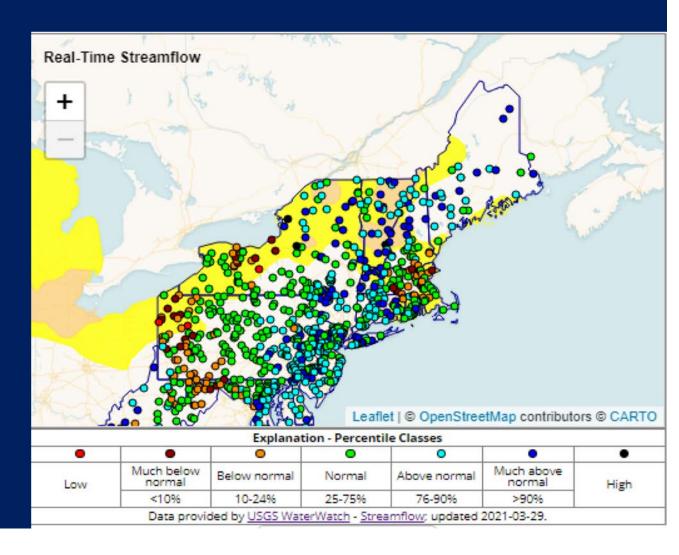
## **SNOW** - cont

 Snowmelt up north is about 1-2 weeks ahead of schedule with limited snow remaining outside of Maine and northern New Hampshire



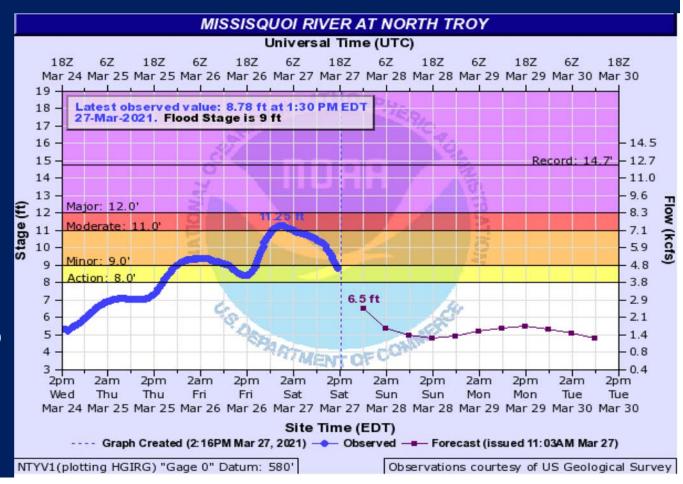
# CURRENT RIVER/STREAM FLOWS

- Snowmelt and rainfall have increased streamflow dramatically across northern New York State and northern New England.
- Southern New England and western New York State continue to experience low flows.



#### **FLOODING**

- Despite a below normal snowpack...some rain and melting snow resulted in minor flooding on the Missisquoi River on 25-26 March.
- The second moderate flood was triggered by mostly snowmelt as temperatures reached into the low 70s (rainfall was < 0.25 inches).



## FLOODING - cont

 Rainfall and snowmelt from the Tug Hill Plateau and western Adirondack Mountains are pushing the Black River at Watertown New York into flood



## **ICE BREAKUP**

- Ice is actively moving on most northern Maine Rivers (1-2 weeks early).
- This image shows the mainstem St. John River at Dickey near the border with Canada on 26 March 2021



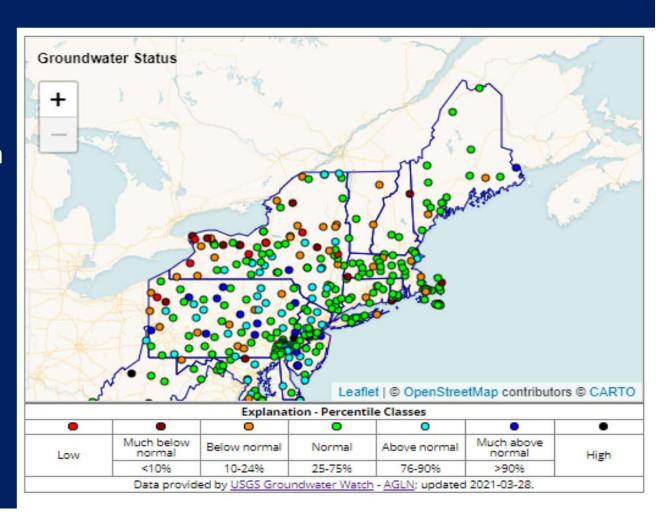
## ICE BREAKUP - cont

 Ice jams currently on the Aroostook River outside of Caribou have resulted in some flooding including road closures.

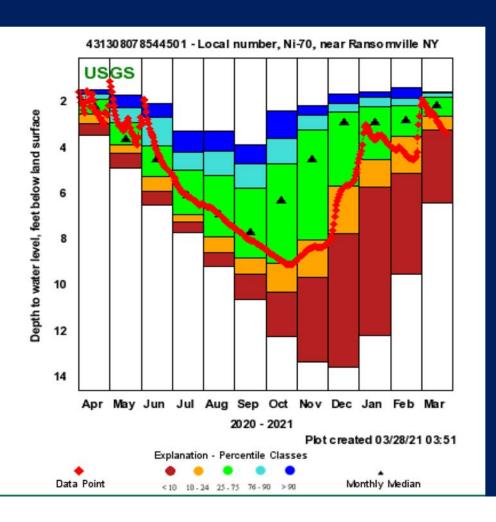


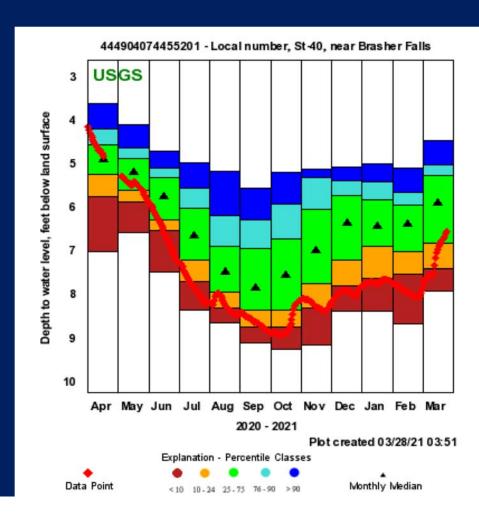
#### **GROUNDWATER AND WATER SUPPLY**

- Groundwater in northern
   New York State and northern
   New England is beginning to recharge from rain and snowmelt.
- Where snow is gone...some low groundwater levels persist in western New York State.



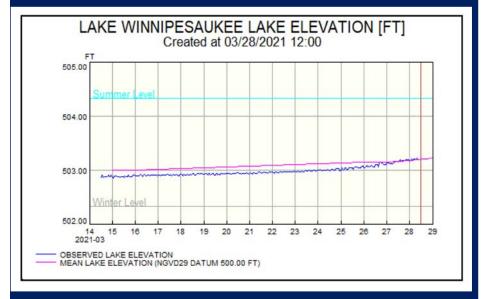
## **GROUNDWATER AND WATER SUPPLY - cont**





### **GROUNDWATER AND WATER SUPPLY - cont**

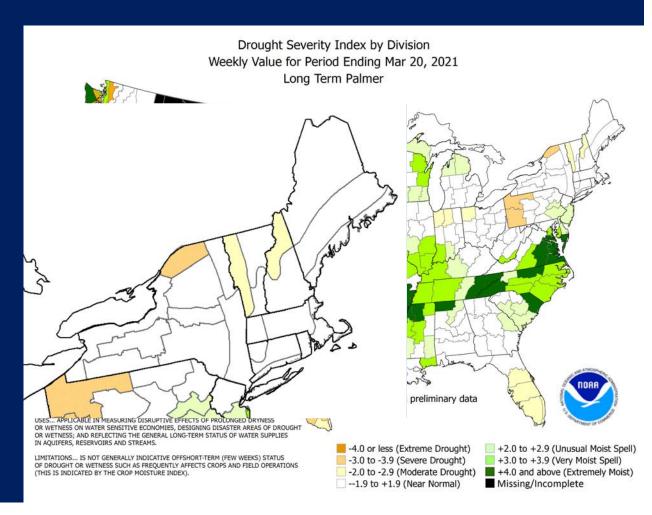
• There are currently no large scale water supply issues across the NERFC service area.





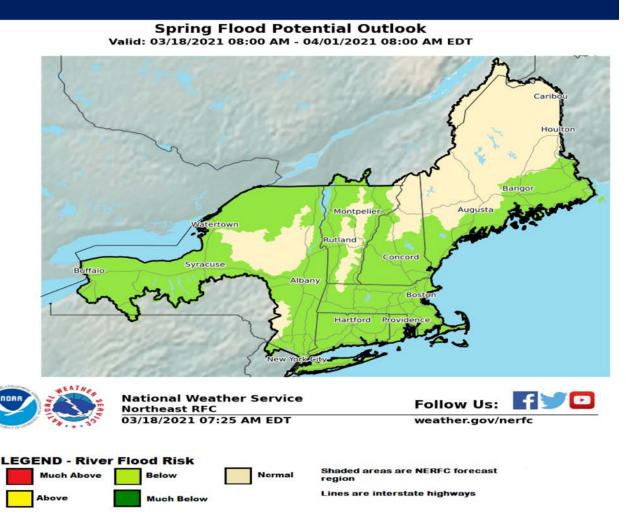
### **ANTECEDENT MOISTURE CONDITIONS**

- Some moderate drought has crept in across portions of New Hampshire and Vermont with a longer severe drought indicated across the Saint Lawrence Valley in northern New York State.
- Both areas have benefited recently from rain and snowmelt.



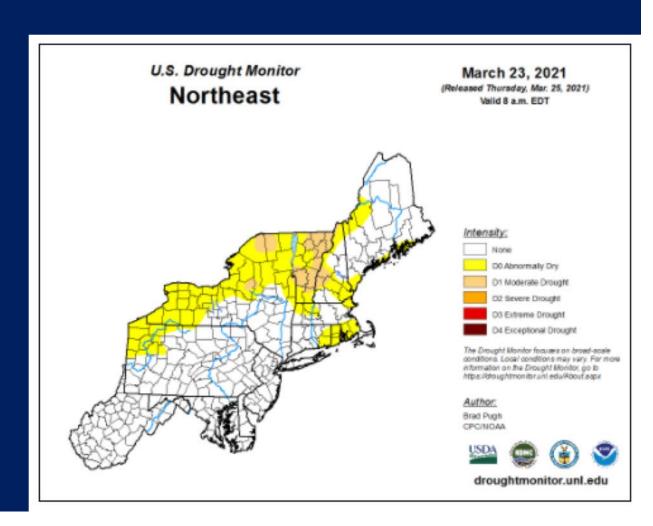
## **FLOOD POTENTIAL**

- Flood potential remains near normal for northern New Hampshire and interior Maine.
- We may trim the New York State and maybe
   Vermont portions back to below normal with our next outlook release (1 April 2021)

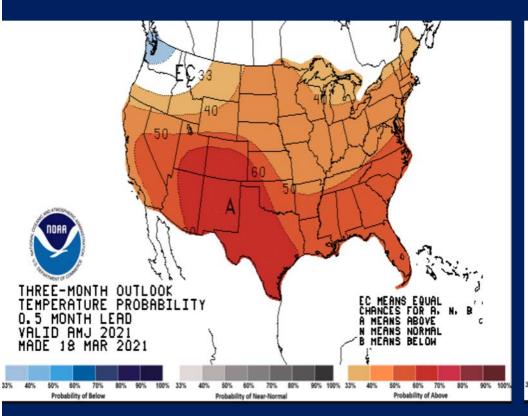


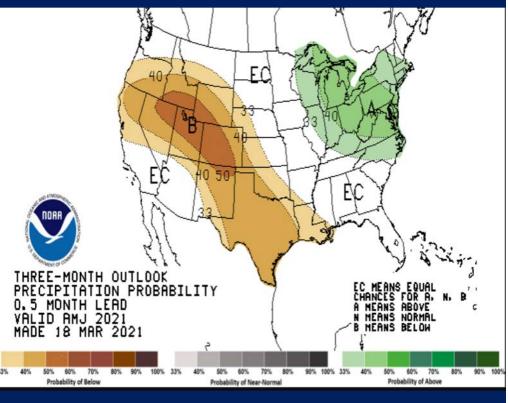
## **DROUGHT OUTLOOK**

 Moderate drought lingers across portions of northern New York State and northern New England.

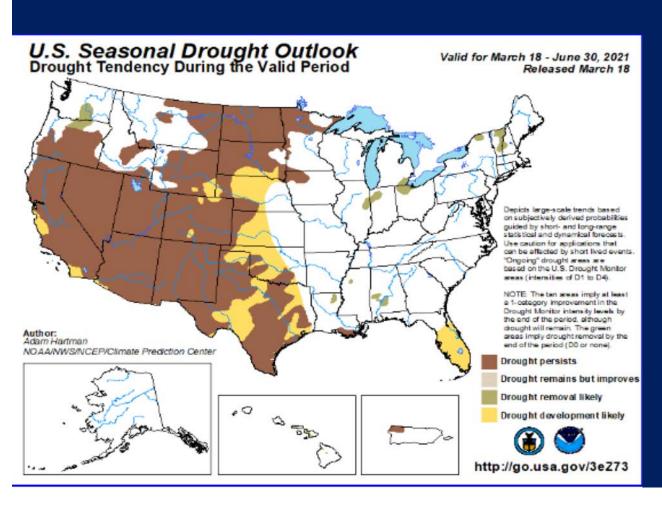


# **3 MONTH FORECASTS**





#### DROUGHT OUTLOOK - cont



- The official NOAA outlook calls for drought to improve across New England.
- However...I believe we need to be wary of areas like western New York State and southeast New England for emergence of drought unless precipitation returns to at least normal.

