

# Fridley Public Works and Public Safety

So far in March...

Reviewing Plans

 Preparation of flood system in Riverview Heights neighborhood

Keeping updated in forecasts and river projections

# Flash Flooding

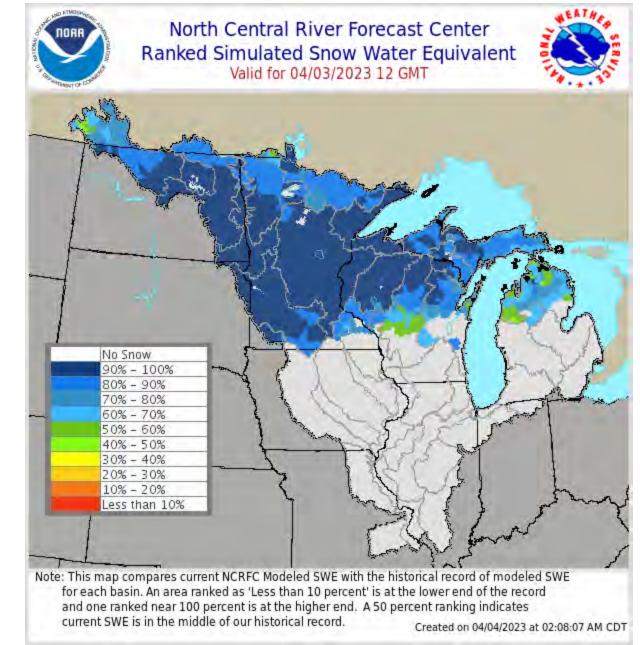
• Not anticipated to be severe, unless rainfall events dictate otherwise.



## Snowpack

- Third highest snow total on record this season
- Widespread nature of high snowfall

 Soil-Water Equivalency = in top three snowpacks on record for this time in April.



"Ripe" Snowpack in the Northern Mississippi Basin



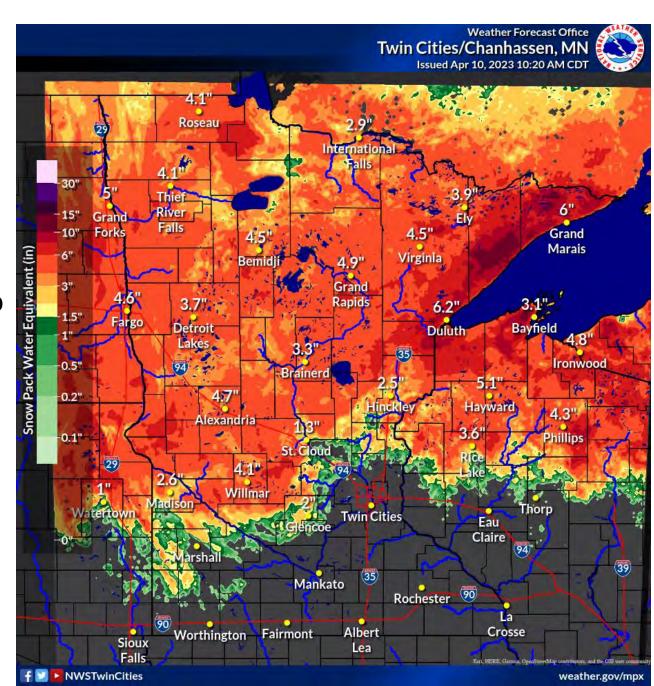
## Flood Factors

### Soil Moisture

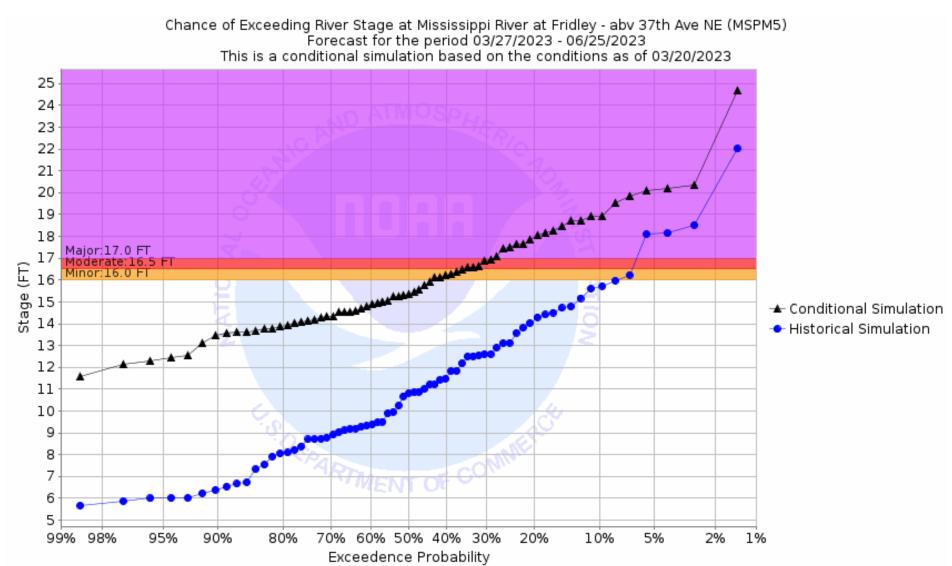
- Recent Drought...some good news?!
- Lakes/ponds/wetlands are low, will intercept some of the runoff.
- Soil Moisture was very low coming into winter; has recovered some, but can also hold some moisture.
- Frost Depth is negligible

### Runoff Timing

• Portions of the Mississippi Basin above Fridley have melted, which may help keep the overall peak down.



# NWS Mississippi River Probability Forecast



# NWS Mississippi River Predictions...4/9/2023

• There is a >95% chance the River will reach Action Level (14 feet) as measured at the river gauge located at 37<sup>th</sup> Ave.

• There is a 40% chance the River will exceed 17.1 feet which equaled the 1997 spring flood, which is the fifth highest flood on record.

• There is a 10% chance the River will reach over 20 feet which would equal the 1965 spring flood, which is the highest flood on record.

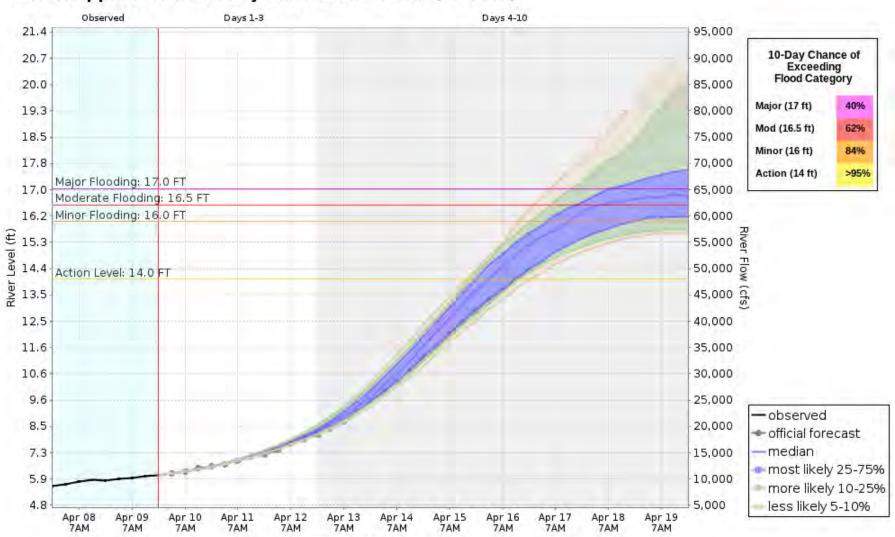
# **NWS** Mississippi River New 10-Day Probability Forecast

#### HEFS - 10 Day River Level Probabilities

Based on Hydrologic Ensemble Forecast Service Model Simulations Used to Estimate the Range of Possible River Levels

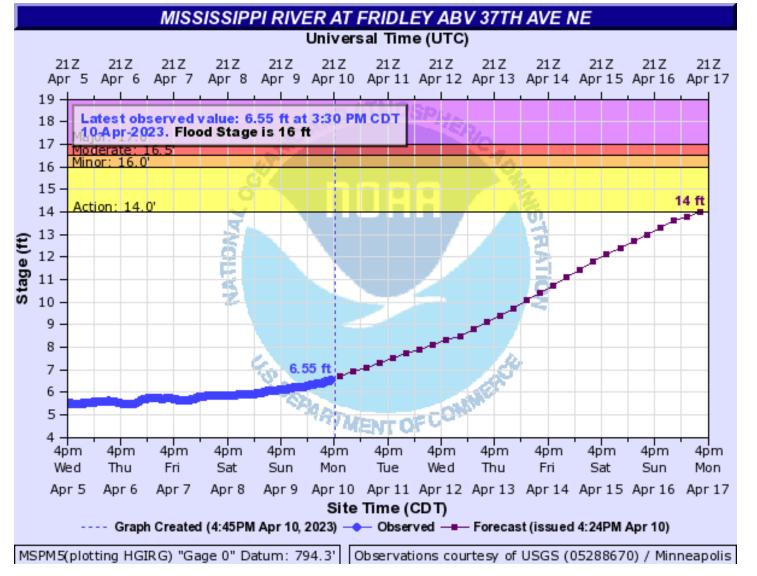


#### Apr 10 - Apr 20, 2023 Mississippi River at Fridley - abv 37th Ave NE (MSPM5)



Time and Day (CDT)

## NWS River Conditions and Forecast



- Updated several times daily
- Factors can change timing or maximum stage
- Likely peak river stage will be next week

## Flood Control Systems

• Since 1997, the City has had a flood control gate and pump installed at the Springbrook Creek outfall in Riverview Heights.

• Equipment to operate this system is mobilized when action levels are predicted to be reached. That equipment is

ready now.





# Riverview Heights – 3/25/19 Anoka County Emergency Management



## Assistance

• If you will be in need of assistance, we request that you contact the City after a request for volunteers is issued.

• **763-572-3566** is the Public Works Mainline, **911** is an alternative number if no one is available to answer.

Public Works and Public Safety Staff Will Continue Monitoring Conditions



## Questions

• If you have questions, please see the Flood Preparation Page on the City's website: <a href="FridleyMN.gov/Flood">FridleyMN.gov/Flood</a>

• If you still have questions, please contact the **Public Works Department at 763-572-3566.**