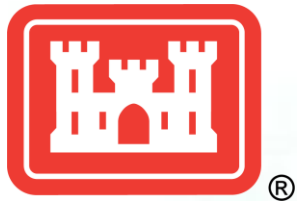


# Fargo-Moorhead Metropolitan Flood Risk Management Project

*Flood Diversion Board of Authority meeting*

*July 10, 2014*



US Army Corps of Engineers  
**BUILDING STRONG**®



# Presentation Outline

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- Monthly Update
- Maple River Physical Model
- Cemetery Study

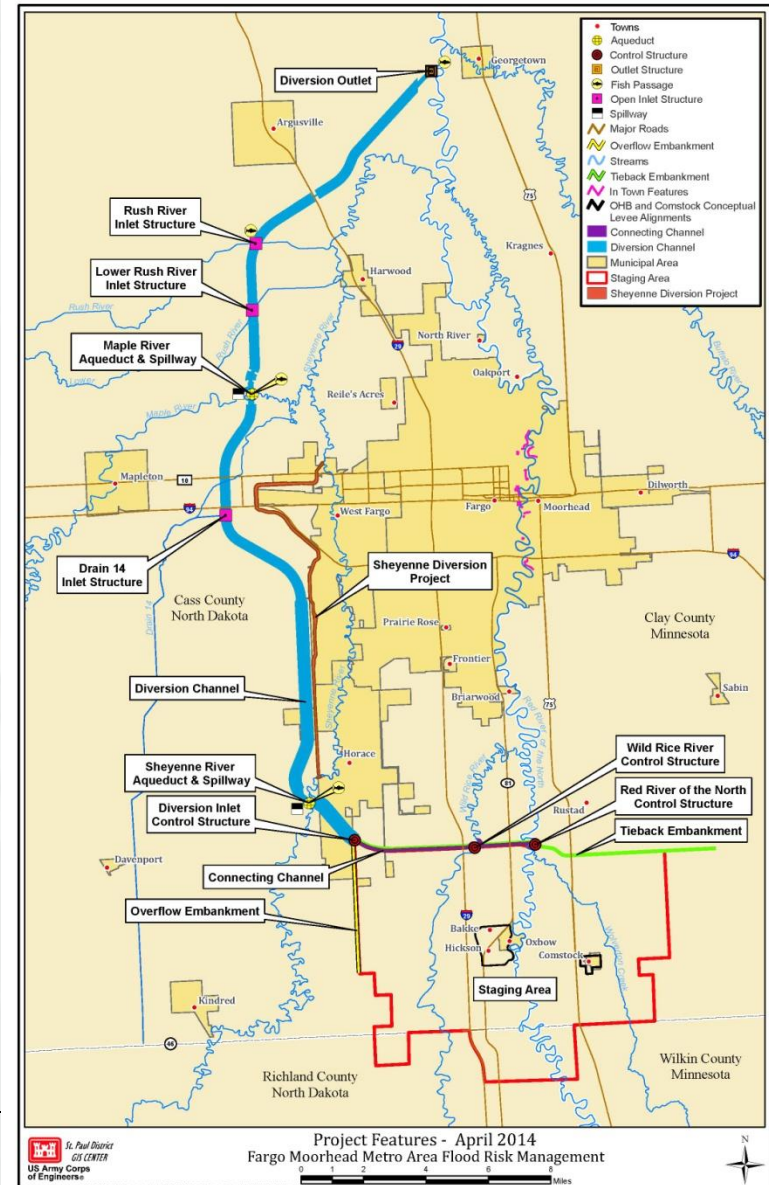


Fargo-Moorhead - 2009



# Corps Monthly Update

- Maple River Aqueduct Physical Modeling continues
- Oxbow/Hickson/Bakke Levee design continues
- Design continues on Wild Rice Dam fish passage structure removal
- Assisting with In-Town Levee design
- Continuing design of Reach 5
- Cemetery Study
- Continued coordination with MnDNR for their EIS process





# Maple River Aqueduct

- Work continues on the model
- Open House: July 24, 2014  
**All are invited**

## Ice Study


Across aqueduct structure



## OPEN HOUSE


MAPLE RIVER AQUEDUCT MODEL

FARGO-MOORHEAD METROPOLITAN FLOOD RISK MANAGEMENT



July **24** 9 AM to 4 PM

**UMore Park**  
15325 Babcock Ave East  
Rosemount, MN 55068







### Learn About

- What an aqueduct is and why the Fargo-Moorhead Metropolitan Flood Risk Management Project needs them
- How the model was built and why we use models
- Data collection and application
- Talk to the University of Minnesota, St. Anthony Falls Laboratory technicians and engineers who built the model and collected the data
- Talk to Fargo-Moorhead Metropolitan Flood Risk Management Project team members about the project

The 80-foot by 70-foot model, constructed by the St. Anthony Falls Laboratory for the Army Corps of Engineers and the project sponsors, allows engineers to learn how the water will flow through the aqueduct and how best to design the structures.

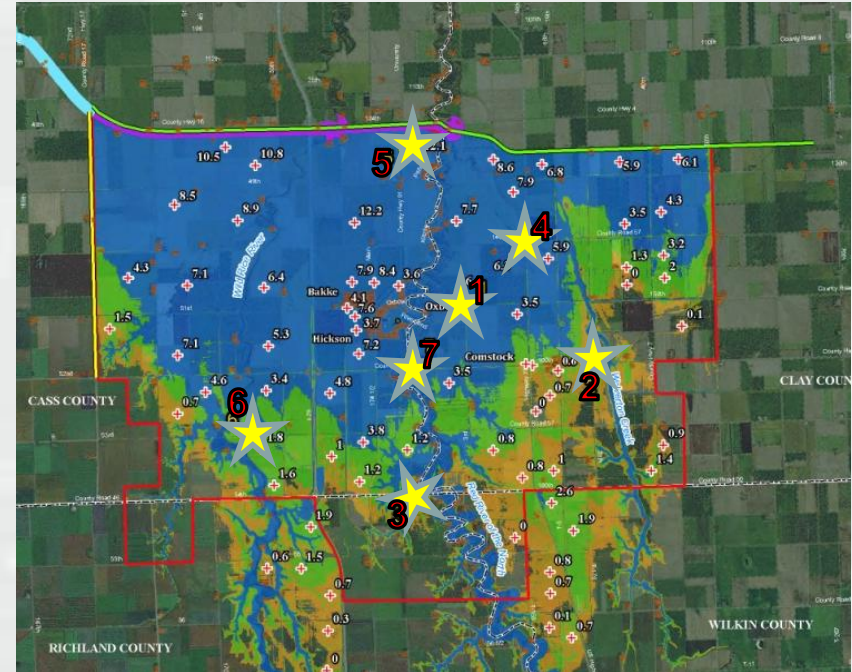
The open house will allow visitors to gain an understanding of the overall project and see how the aqueduct fits into the overall project plan.

- If you need reasonable accommodations, please send your request to Theresa Thury at (651) 290-5309. Sign language interpreter will be available from 10-11 a.m., if requested. **All requests required by July 11.**



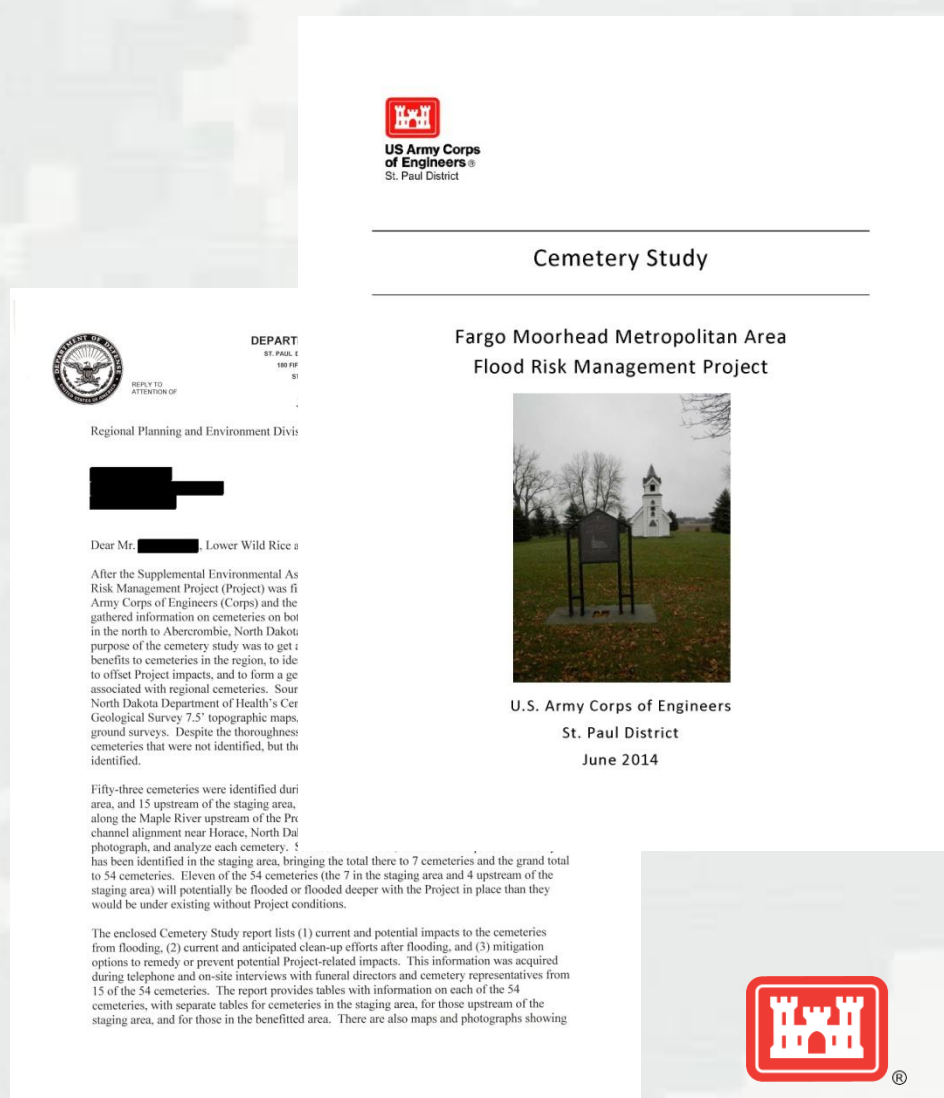
# Cemetery Study

- Impacted Sites - Staging Area
  - Clara (Clay County)
  - Comstock (Clay County)
  - Hemnes (Richland County)
  - Hoff (Clay County)
  - Lower Wild Rice and Red River (LWRRR) (Cass Co.)
  - North Pleasant (Cass Co.)
  - Roen Family (Clay Co.)
  - Additional-depth impacts range between 0.3 ft. and 8.3 ft.
- Impacted Sites – Upstream
  - South Pleasant
  - South Pleasant Church
  - Wolverton-Salem Lutheran
  - Eagle Valley
  - Additional-depth impacts range between 0.1 ft. and 0.5 ft.



# Cemetery Study

- Study is available to the public on [www.fmdiversion.com](http://www.fmdiversion.com)
  - Presents impacts to sites
  - Potential effects of flooding
  - Potential mitigation options
- Letters were sent to impacted and non-impacted sites.
  - Also posted on [fmdiversion.com](http://fmdiversion.com)
- Next Steps
  - Additional site visits
  - Work with impacted sites
  - Develop a Mitigation Plan



# Project Path Forward

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- Continue to support MN EIS process
- Continue to develop and review design products



# Next

- Administrative/Legal update
- Technical update

