

# *Fargo-Moorhead Metropolitan Flood Risk Management Project*

*Diversion Authority*

*January 10, 2013*



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



## ***Presentation Outline***

- ✓ Monthly Update
- ✓ Oxbow Area Public Meetings
- ✓ NEPA Path Forward
- ✓ Nonstructural Update



Fargo-Moorhead - 2009



## ***Monthly Update***

- ✓ Continuing National Environmental Policy Act (NEPA) process to address project modifications
- ✓ Reach 1: 90% Plans and Specs for ATR/Sponsor review on 18 January
- ✓ Drayton Dam Mitigation: Preparing FTR submittal for ATR/Sponsor review on January 29.
- ✓ Preparing for Maple River Aqueduct Value Based Design Charrette

## *Oxbow Area Ring Levee Concept Meetings*

- ✓ Public meeting held on Tuesday night
  - ✓ **200+ people attended**
  - ✓ **3 TV stations**
  - ✓ **1 Radio station**
  - ✓ **1 Daily newspaper**
  
- ✓ Landowner Meetings held
  - ✓ **8-10 January**
  - ✓ **Over 50 individual meetings held**



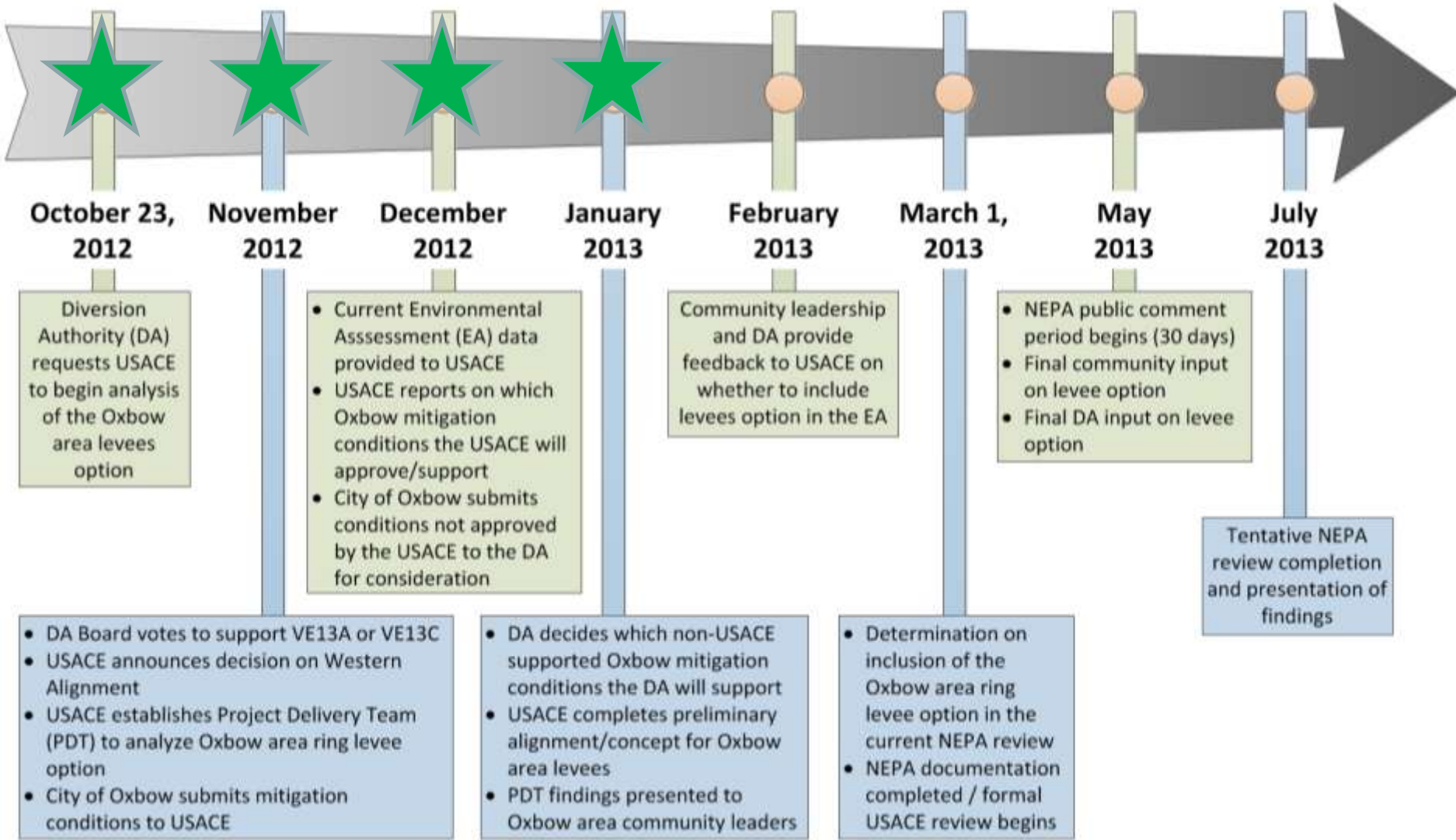


## ***National Environmental Policy Act (NEPA) - Path Forward***

- ✓ Supplemental Environmental Assessment (EA)
- ✓ November 2012: Corps begins National Environmental Policy Act (NEPA) process
- ✓ 14 February 2013: Decision on whether to include Oxbow/Bakke/Hickson ring levee in pending EA
- ✓ May 2013: Public Meeting and comment period
- ✓ July 2013: NEPA process complete and decision is finalized



# Post-Feasibility/NEPA Actions and Decisions Timeline

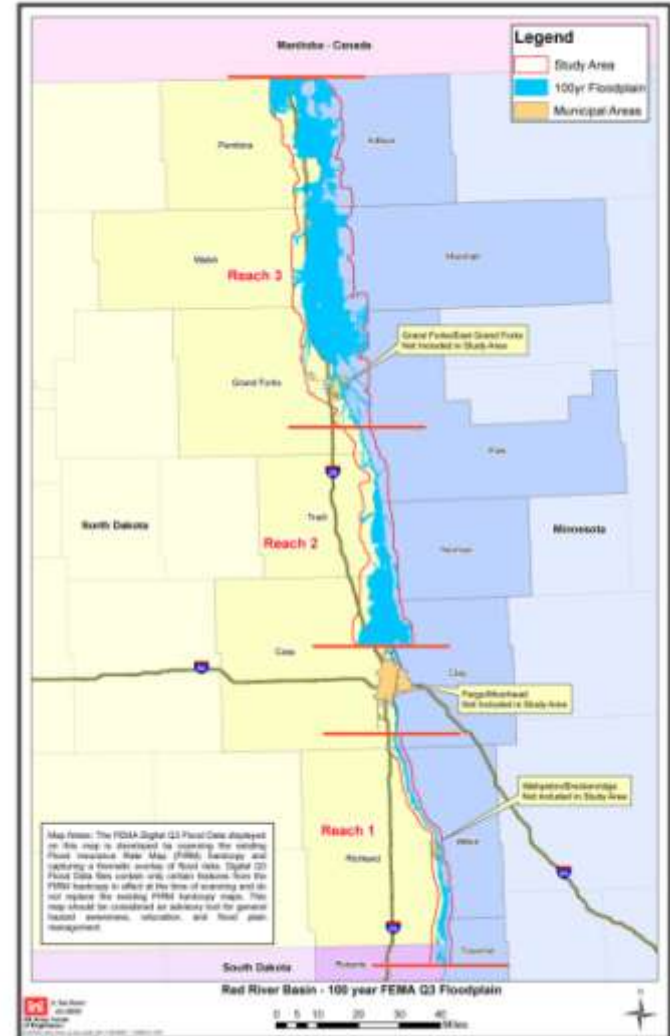


## ***Red River of the North Rural Nonstructural Flood Risk Management Feasibility Study***

- ✓ Investigating nonstructural flood risk management measures for rural homes and farmsteads along main stem of Red River of the North
- ✓ Interim product of the Red River Basin-wide Watershed Study
- ✓ Nonstructural measures considered
  - ✓ Elevation
  - ✓ Wet/Dry Floodproofing
  - ✓ Berms/Levees
  - ✓ Buyouts/Relocations/Acquisitions
- ✓ 3 levels of detail and analysis

# Red River of the North Rural Nonstructural Flood Risk Management Feasibility Study

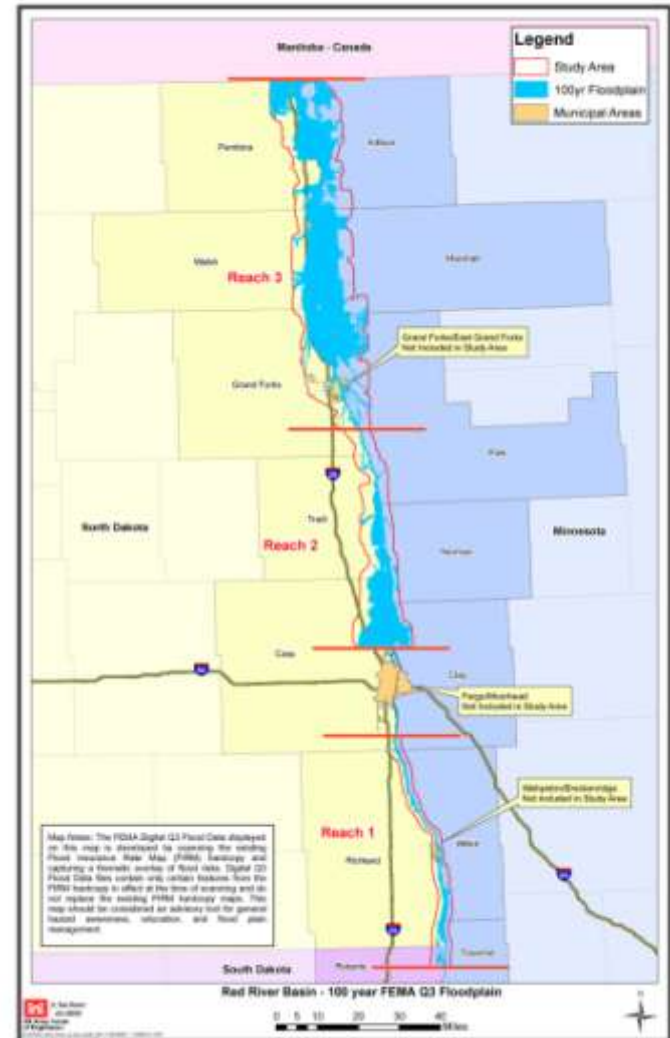
- ✓ Expanding analysis completed for FMM nonstructural assessment
  - ✓ Reach 1 – Outlet of Lake Traverse to southern portion of FMM
  - ✓ Reach 2 - Outlet of diversion channel to Thompson, ND (assessment completed as part of FMM study)
  - ✓ Reach 3 – Thompson, ND to US-Canadian border
  
- ✓ Completed Alternatives Milestone
  
- ✓ Working on Environmental Assessment (EA) and Implementation Plan





# Red River of the North Rural Nonstructural Flood Risk Management Feasibility Study

- ✓ Reach 1
  - ✓ ~ 303 structures in 100-year floodplain
  - ✓ ~ 89 structures justified
  
- ✓ Reach 2
  - ✓ 1,145 structures in 500-year floodplain + 1 mile
  - ✓ 331 structures justified
  
- ✓ Reach 3 Sample
  - ✓ 184 structures in 500-year floodplain + 1 mile
  - ✓ 131 structures justified



## ***Red River of the North Rural Nonstructural Flood Risk Management Feasibility Study***

### Schedule

- ✓ 17 January: In-Progress Review
- ✓ February 2013: Tentatively Selected Plan Milestone
- ✓ Spring 2013: Public review and Comment Period
- ✓ Fall 2013: Report Completed



Study Sponsors:

Minnesota Red River Watershed Management Board

North Dakota Red River Joint Water Resources District

Cost Share: 35% non-federal sponsor/65% federal