

Fargo-Moorhead Metro-Area Flood Diversion Project

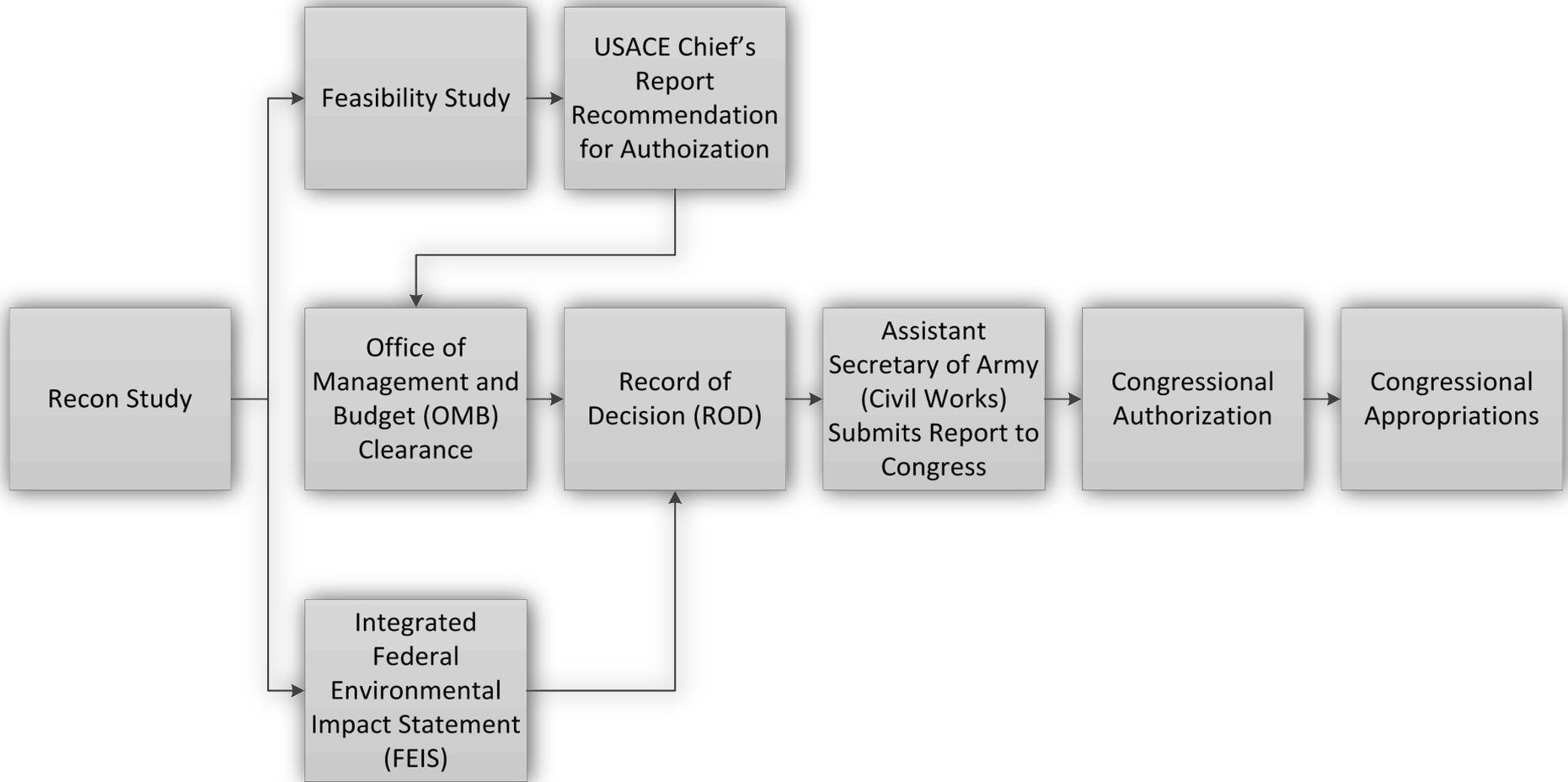
FEDERAL PROCESS & POST-ROD ANALYSIS

Presentation to

ND Water-Related Topics Overview Committee

April 19, 2012

USACE Project Process



Record Of Decision (ROD)- What it Signifies

Record of Decision(ROD):

- 💧 Finding that the “project is technically feasible, economically justified, in accordance with environmental statutes”
- 💧 Project serves the public interest and outweighs adverse effects
- 💧 Completes the National Environmental Policy Act (NEPA) process

....Signed by Assistant Secretary of the Army for Civil Works

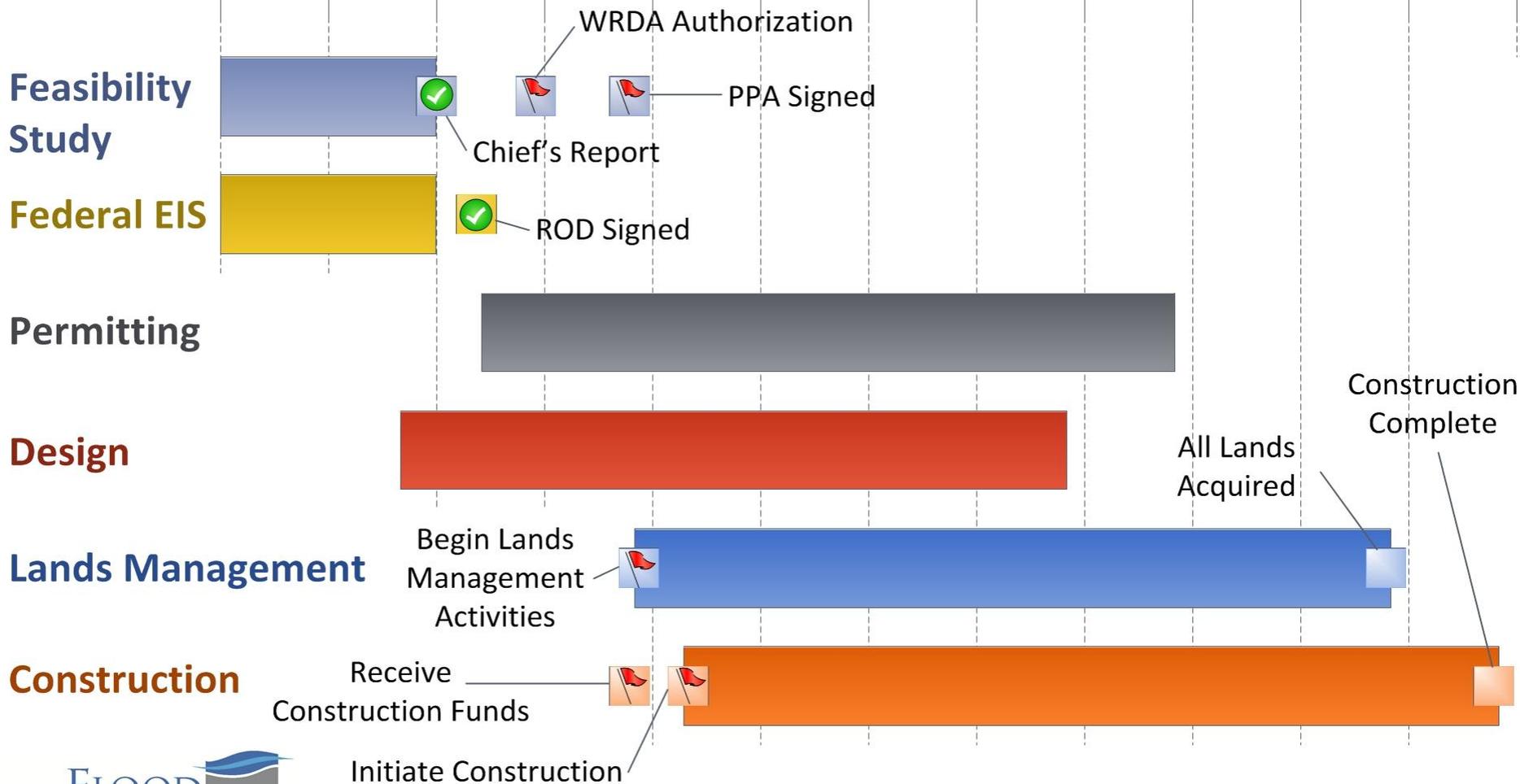
FM Diversion Project Moved Rapidly Through the Federal Process

***President's Budget started design in 2011 & 2012.
Funding for design expected to continue until design
complete***

- 💧 July, 2011: Feasibility Report and Fed EIS Completed**
- 💧 Dec, 2011: USACE Chief's Report signed**
- 💧 Mar 28, 2012: Office of Management & Budget clearance**
- 💧 Apr 3, 2012: Record of Decision (ROD) signed**
- 💧 April, 2012: Forwarded to Congress for Congressional authorization for construction**

FM Diversion Project Schedule, Federal Process

2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020 2021



Assumes project authorization by December 2012 and full design and construction annual funding.

FM Diversion Project Setting the Standard for Federal Projects!

CORPS AND FEDERAL LEADERS CITE FM DIVERSION AS THE MODEL

- 💧 High velocity USACE Feasibility Study and rapid approval in the federal process**
- 💧 Excellent Corps/Local Project Sponsor partnership, collaboration with State/Federal agencies, and local engineering capabilities**
- 💧 Recognized by federal leaders as highly needed flood risk reduction project with Regional and National benefits**
- 💧 Second highest funded project for design in President's FY-13 Budget**
- 💧 Garnered 20% of President's FY-13 Design Budget**

Mega Project – Mega Activities!

Authority/Sponsor

- Board Members
- Finance Committee
- Outreach Committee
- Land Management Committee
- Administrative/Advisory Staff
- Technical Advisory Staff

U.S. Army Corps (USACE)

- Five Corps Districts & dozens of staff
- Multiple Designs Underway

Local Consultants

- Multiple Local Engineering Firms Providing Design & Lands Support

Program Management Consultant (PMC)

- Equivalent of 14 Full Time Employees assisting in managing the Program

Post- ROD Analysis: In Response to Public Input

Post-ROD Analysis

The Diversion Authority/Local Sponsors will conduct evaluations of potential modifications to the project, some of these modifications are outside of the Corps process.

Post-ROD Analysis: Path Forward

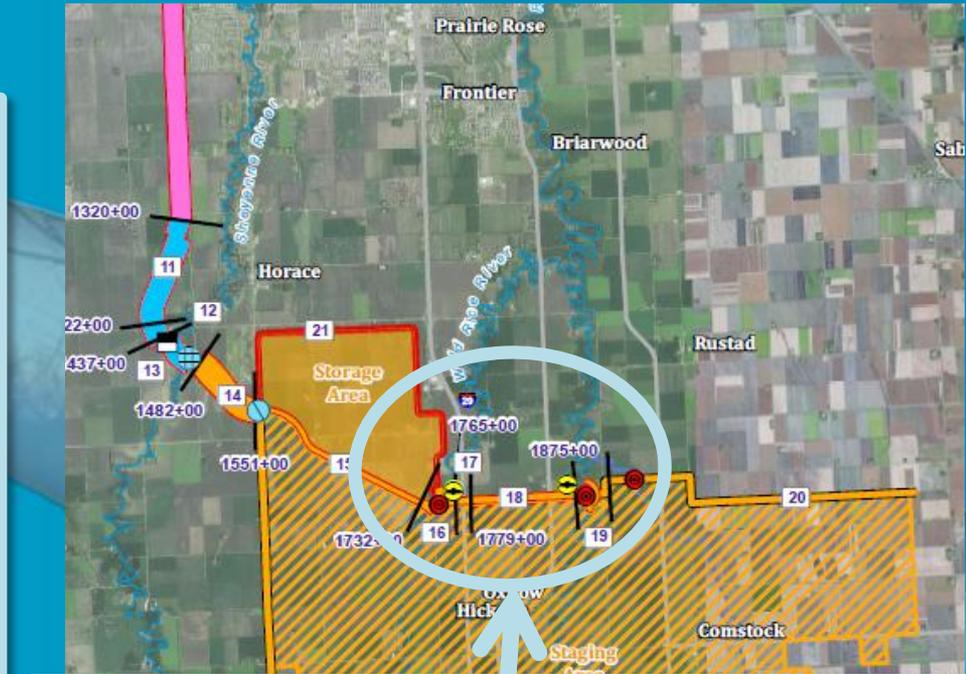
Corps and Local Sponsor, Local Engineering Firms Joint Efforts and Goals

- 💧 Increased flows through town
- 💧 VE 13, move inlet slightly north
- 💧 Evaluate levees and dikes for affected communities (Comstock and Christine)
- 💧 Conduct analysis while continuing design of project on schedule
- 💧 Continue to improve overall project value with goals to improve reliability, reduce impacts, and reduce costs.

Flows Through Town, VE 13 Evaluations

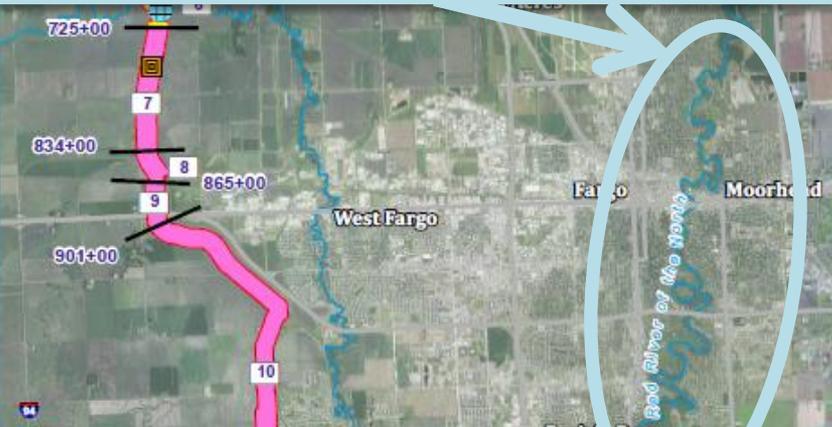
Increased Flows thru Town (Authority/Sponsor Lead)

- Provides early flood protection benefits prior to project completion
- Reduces frequency of need to operate the diversion channel
- Reduces duration of water in staging/storage area
- Ability to handle historic summer peak events avoiding crop damage



Red River Channel Inlet (VE 13) (Authority/Sponsor Lead)

- Evaluating opportunity to move the diversion channel inlet alignment north
- Potentially eliminate Wolverton Creek structure and identify cost savings

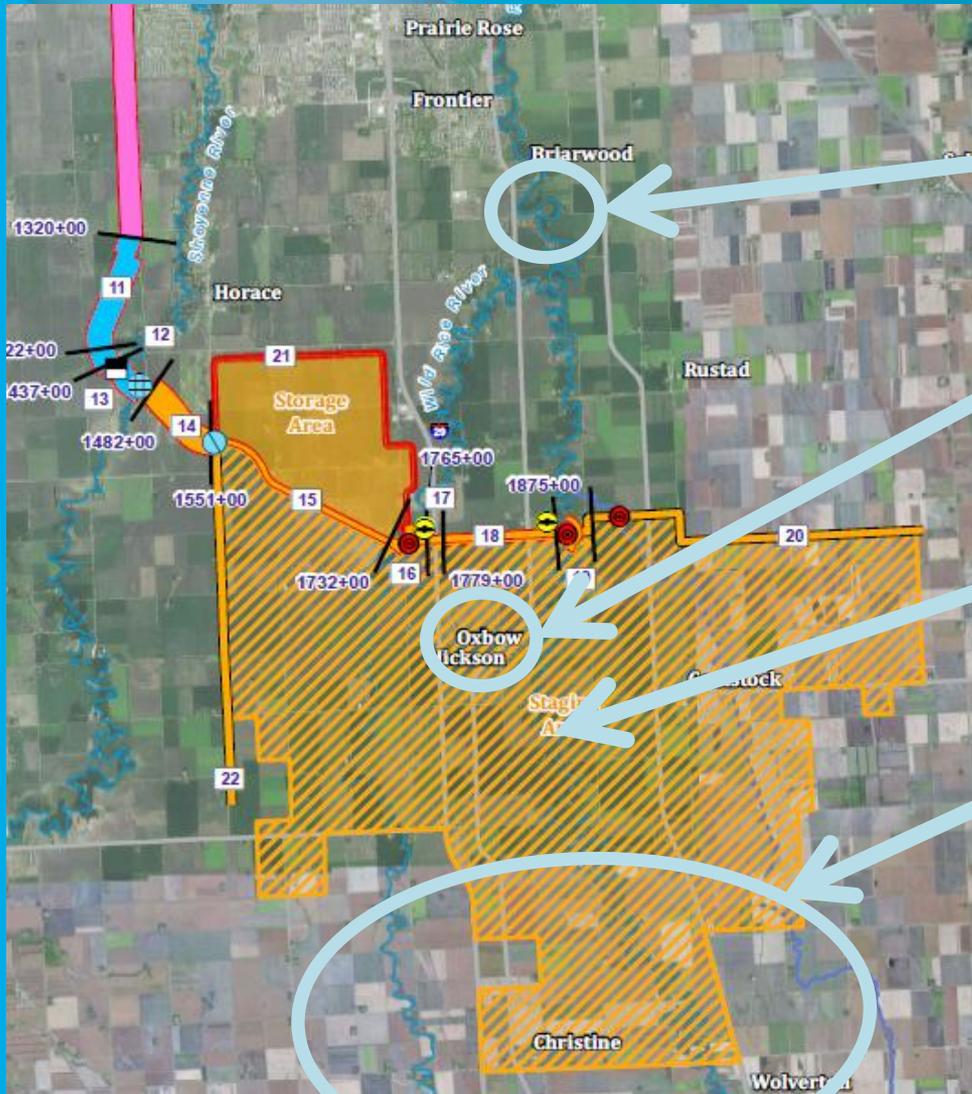


Post-ROD Analysis: Path Forward

Diversion Authority-only Efforts and Goals

- ▶ **Conduct Preliminary Post-ROD Analysis by October 2012**
 - ▶ **Move Diversion inlet south of Oxbow**
 - ▶ **Move Diversion inlet north of confluence of Red and Wild Rice Rivers**
 - ▶ **Evaluate upstream retention**
 - ▶ **Evaluate levees/ring dikes for Oxbow area**

Post-ROD Analysis: Authority Path Forward



Move Diversion inlet north of Wild Rice River

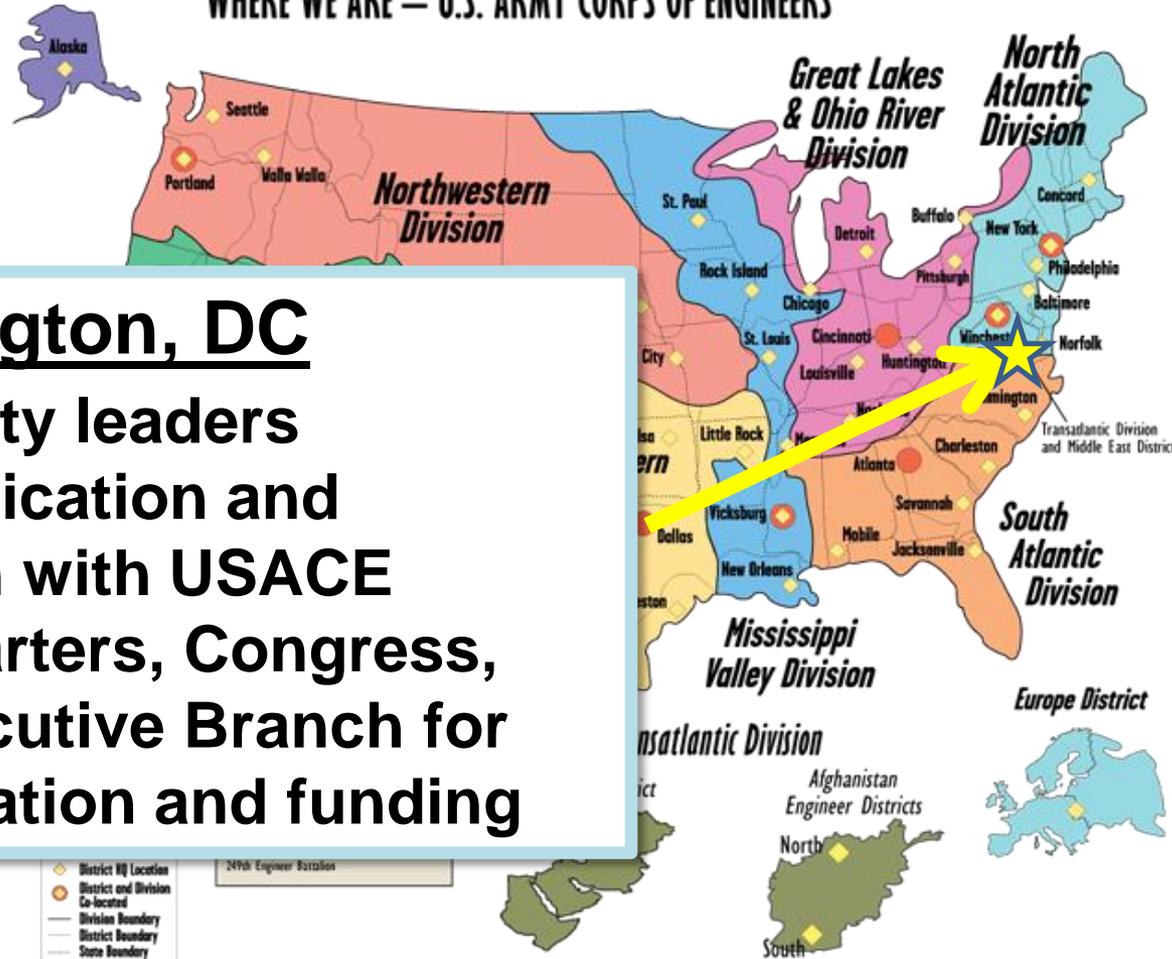
Protect Oxbow area with levees/ring dike

Move Diversion inlet south of Oxbow

Evaluate upstream retention

National Communication and Outreach

WHERE WE ARE — U.S. ARMY CORPS OF ENGINEERS



Washington, DC

- Authority leaders communication and outreach with USACE Headquarters, Congress, and Executive Branch for authorization and funding