

UMRR Team Meeting September 27-29, 2016

Marvin E. Hubbell - MVR

UMRR Regional Program Manager

Mississippi Valley – Rock Island District (MVR)

Mississippi Valley – St. Louis District (MVS)

Mississippi Valley – St. Paul District (MVP)



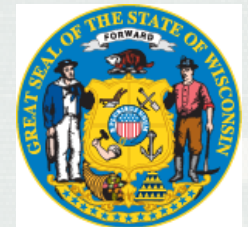
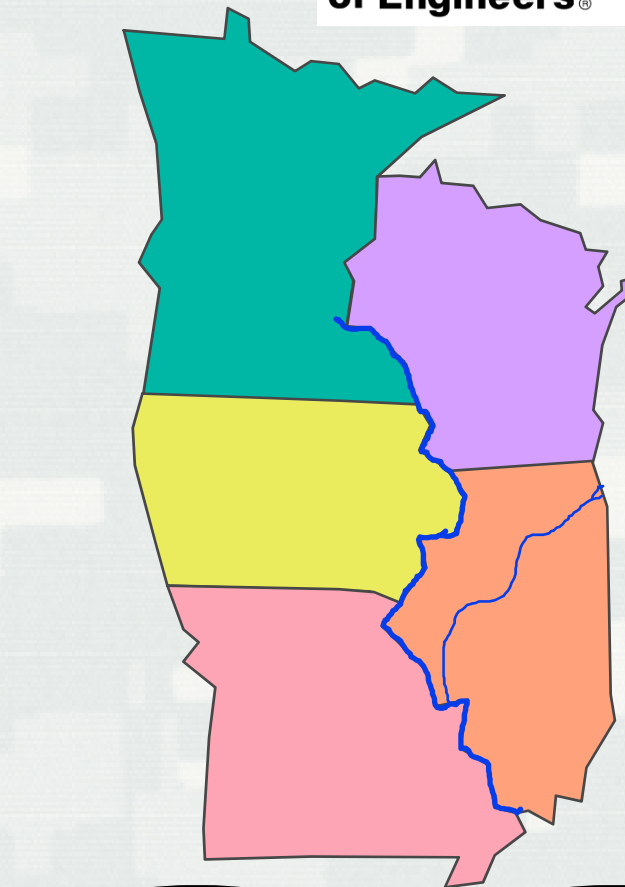
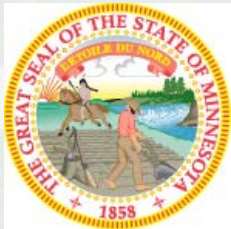
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UMRR Program Partners



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PUBLIC

NGO's

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WELCOME 5th UMRR HREP Workshop



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PLEASE Actively Participate



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UMRR Workshop



- Topics –
 - ▶ Broad agency rehabilitation/restoration priorities
 - ▶ HREP development process
 - ▶ Climate change analysis
 - ▶ Forestry
 - ▶ Sedimentation and Dredging
 - ▶ Construction issues
 - ▶ Hydraulic Connectivity
 - ▶ O & M
- ▶ Monitoring and Adaptive Management



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Upper Mississippi River Restoration

Leading · Innovating · Partnering



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A black outline map of the United States, including Alaska and Hawaii, serves as a background for the text.

First large river ecosystem restoration, science, and monitoring program in the USA

UMRR Program

Includes: 2.7 million
ac.

Main stem of Miss.
& IL Rivers and nav.
portions of
Kaskaskia, St.
Croix, Minn. Rivers



“fourth upper Mississippi River...”.

- According to the book, “The River We Have Wrought” by John Anfinson,
 - ▶ the establishment of the Upper Mississippi River Restoration Program (UMRR)
“...emerged from the largest battle between navigation interest and environmental organizations in the upper river’s history.”

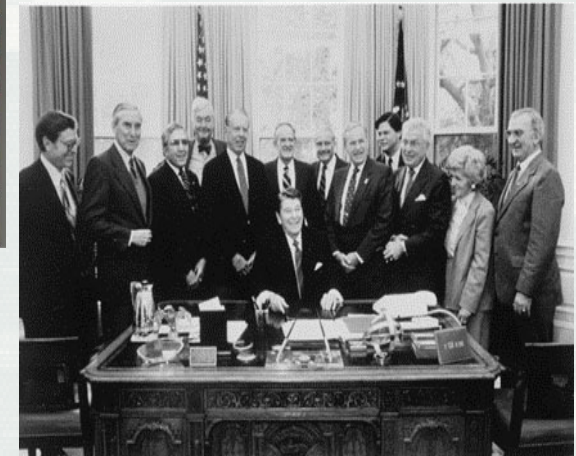
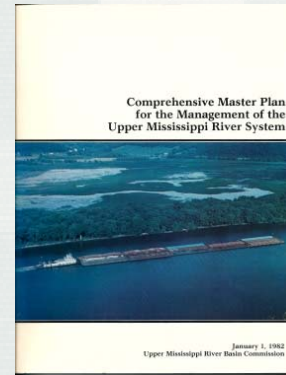
Upper Mississippi River System Chooses Proactive, Collaborative Approach to Addressing Ecological Impacts

In the 1986 Water Resources Development Act, Congress:

- Recognized the Upper Mississippi as a **nationally significant ecosystem and commercial navigation system**
- And, directed that it be **administered and regulated in recognition of its several purposes**
- Authorized the Corps' to implement the Upper Mississippi River Restoration Program, which provides for the construction of fish and wildlife **habitat projects** and **long-term resource monitoring and research on the UMRS.**

To be implemented by the Corps in consultation with the Secretary of Interior, and the States of Illinois, Iowa, Minnesota, Missouri, and Wisconsin

Nearly 30 years later, successful multiple-use, partnership-led management of the system and substantial on-the-ground ecosystem restoration.



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Recognition 30 Years of Service



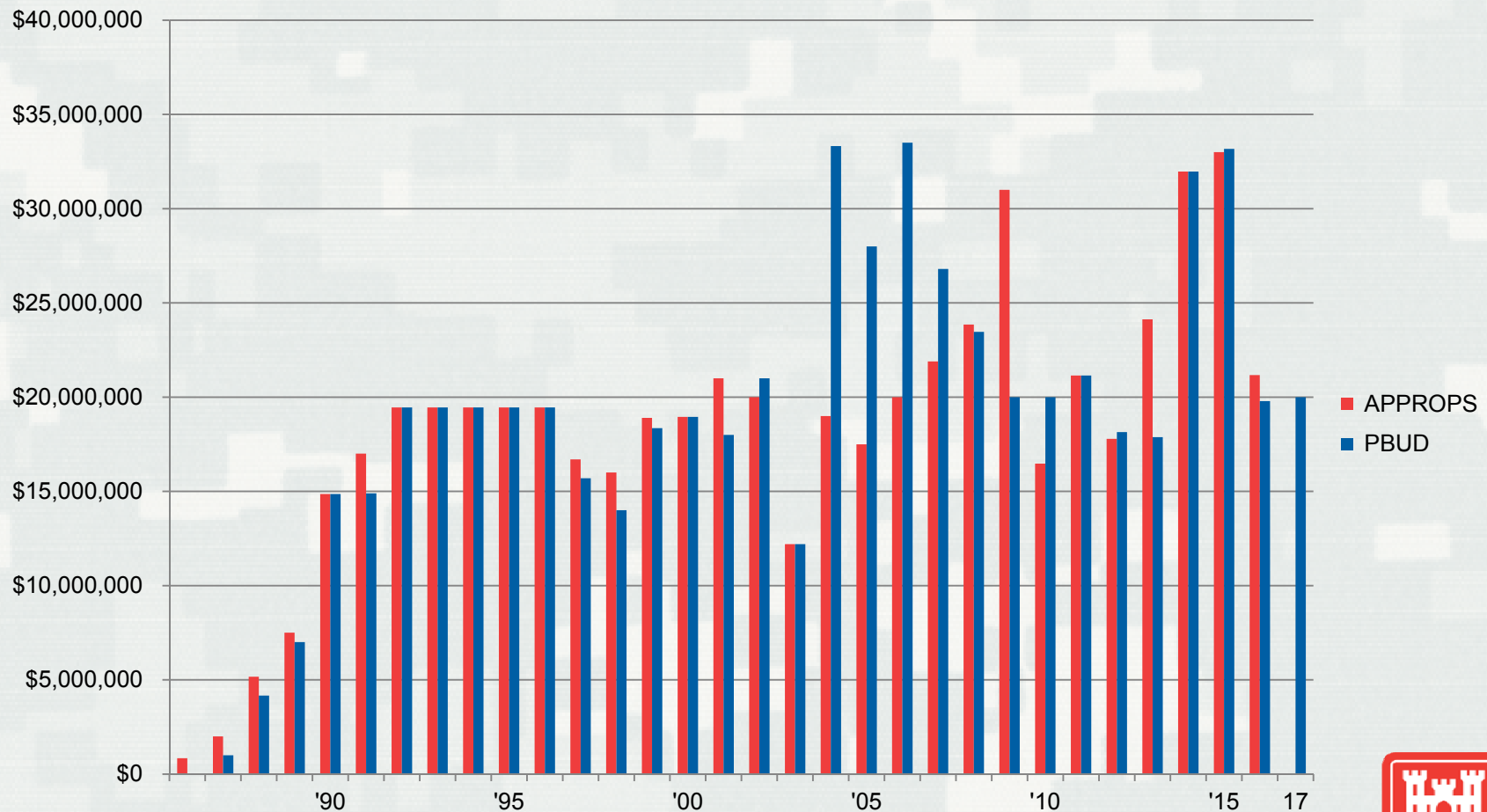
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UMRR Program Appropriation/Budget History



Increasing Competition For National Funding

- FY18 – Articulate!
 - ▶ Accomplishments
 - ▶ 6 years plan
 - ▶ Accountability
 - ▶ Why what we do is important



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Key Messages

- UMRS is a Nationally significant ecosystem and navigation system. The river needs both.
- UMRR Delivers (since 2010 RTC)
 - ▶ Projects –
 - Construction completed - 7 projects, 26,620 ac.
 - In Construction – 5 projects, 14,400 ac.
 - Completed Feasibility Reports – 7 projects
 - In Feasibility – 10 projects



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Key Messages

► Science

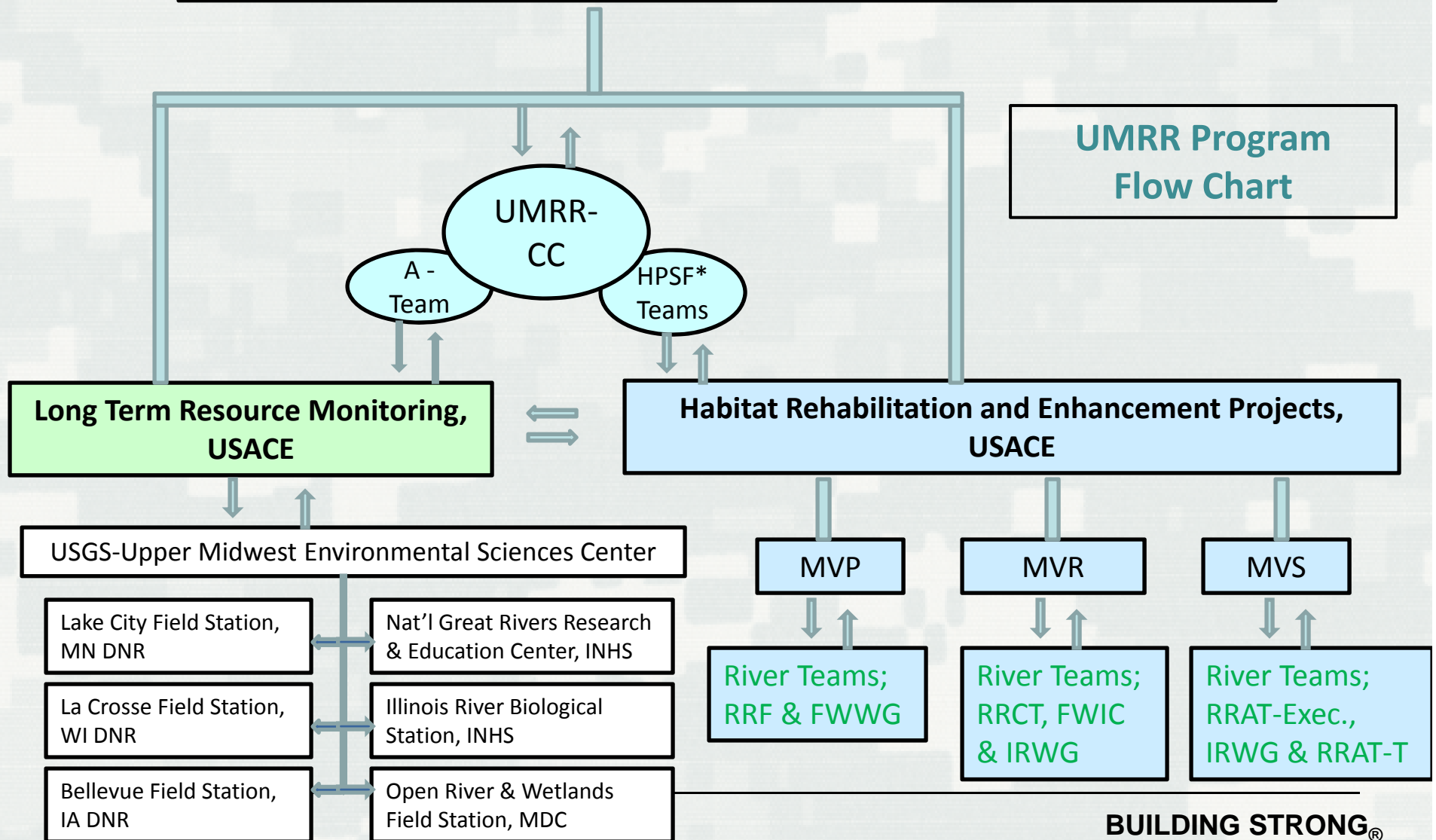
- 2010 LCLU
- Bathymetry
- Topobathy
- Monitoring Network (six field stations five states)
- Research
 - ▷ Development of Landscape Indicators
 - ▷ Documenting shift in fishes due to clearer water (Upper Riv.)

Key Messages

- Efficiency
 - ▶ Average cost per acre ~ \$3,000
 - ▶ Six year average execution – 97%
 - Last three year average – 99%

Upper Mississippi River Restoration (UMRR) Program USACE

UMRR Program Flow Chart



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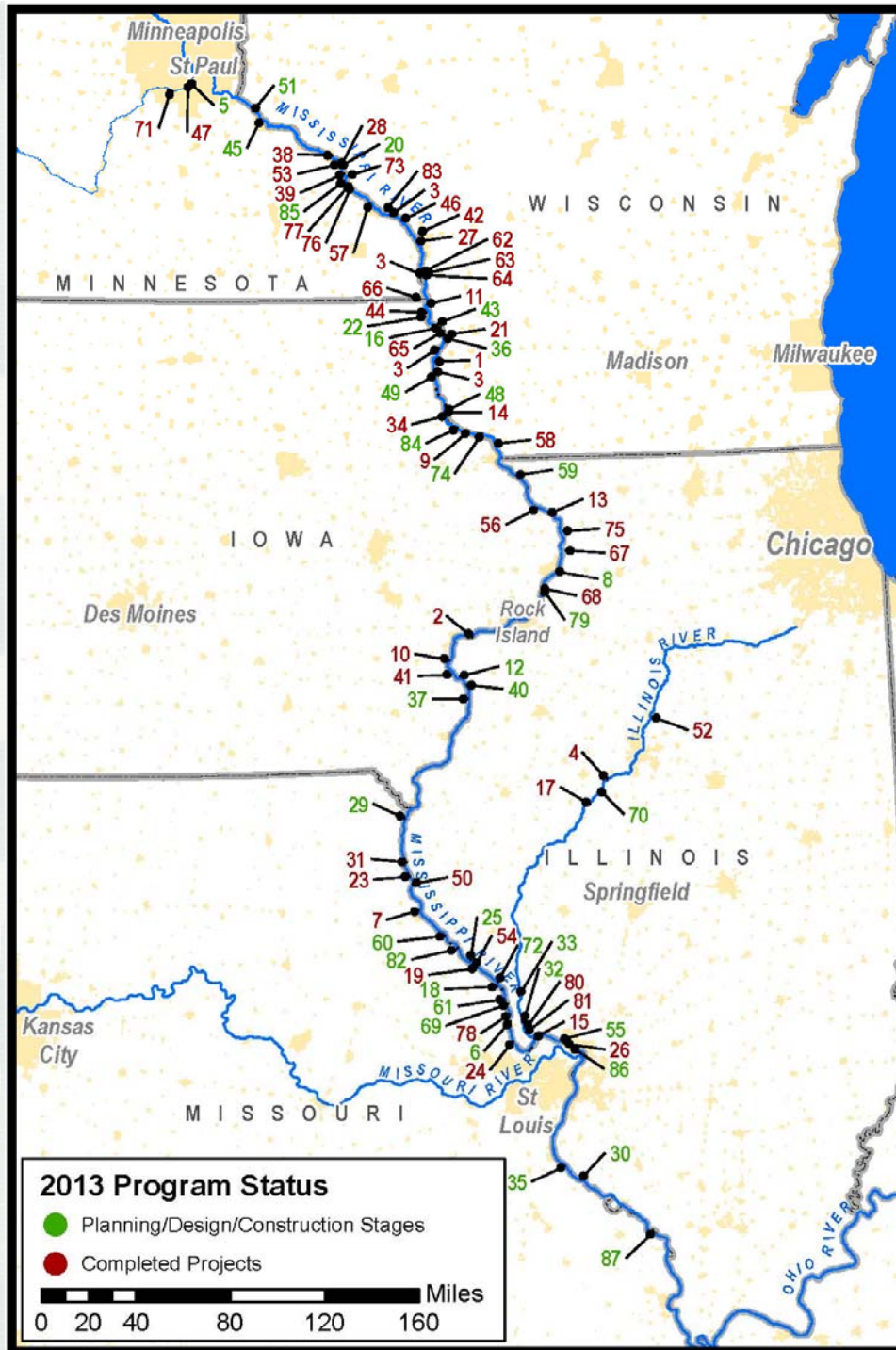
* HPSF Teams = HREP Planning and Sequencing Framework Teams

UMRRP Habitat Rehabilitation and Enhancement Projects

As of September 2016:
55 Projects Completed
5 Projects in Construction
29 Projects in Design



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UMRR Program Strategic Plan

Key Points



- First formal Program Vision
- First formal Mission Statement
- Four Goal Statements
 - ▶ Enhance Habitat for Restoring and Maintaining a Healthier and More Resilient UMRS.
 - ▶ Advance Knowledge for Restoring and Maintaining a Healthier and More Resilient UMRS
 - ▶ Engage and Collaborate with Others
 - ▶ Utilize a Strong, Integrated Partnership



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UMRR Stepping Stones

- Strategic Plan
- Operationalizing Ecosystem Resilience
- Habitat Needs Assessment II
- Next generation of habitat projects
 - ▶ 2003 Project Planning and Sequencing Framework
 - Use of resilience and HNA II tools
- Formulation of future HREPs



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FY 17 PBUD

- President's Budget \$20,000,000
- House \$
- Senate \$

- PBUD in Feb. 2016



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Great Rivers Partnership

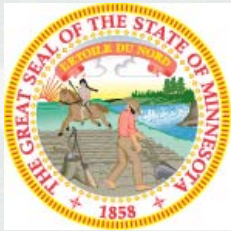




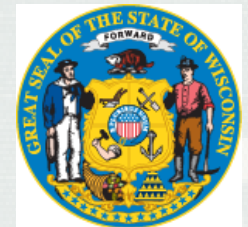
Mud Lake Pool 11 July 2006

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