

US Fish and Wildlife Service

Upper Mississippi River National Wildlife and Fish Refuge

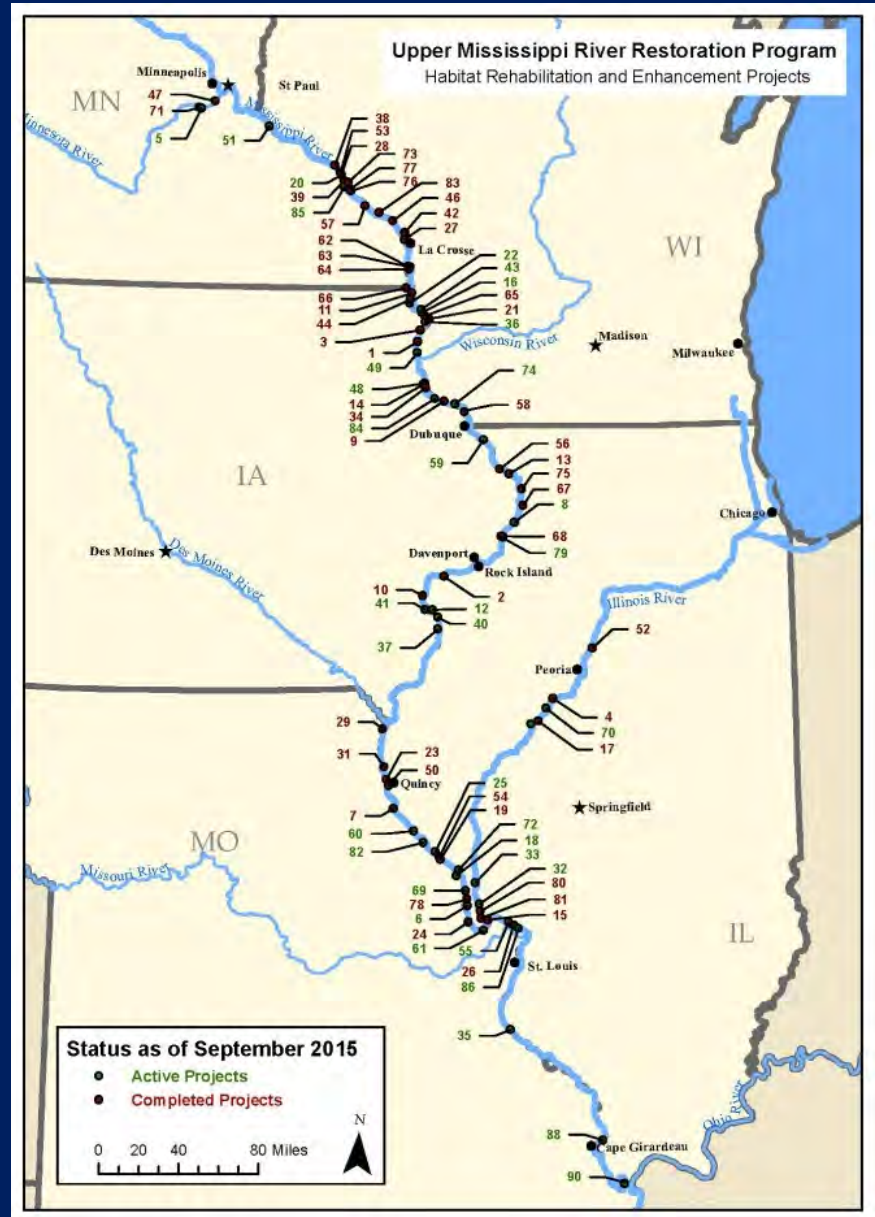
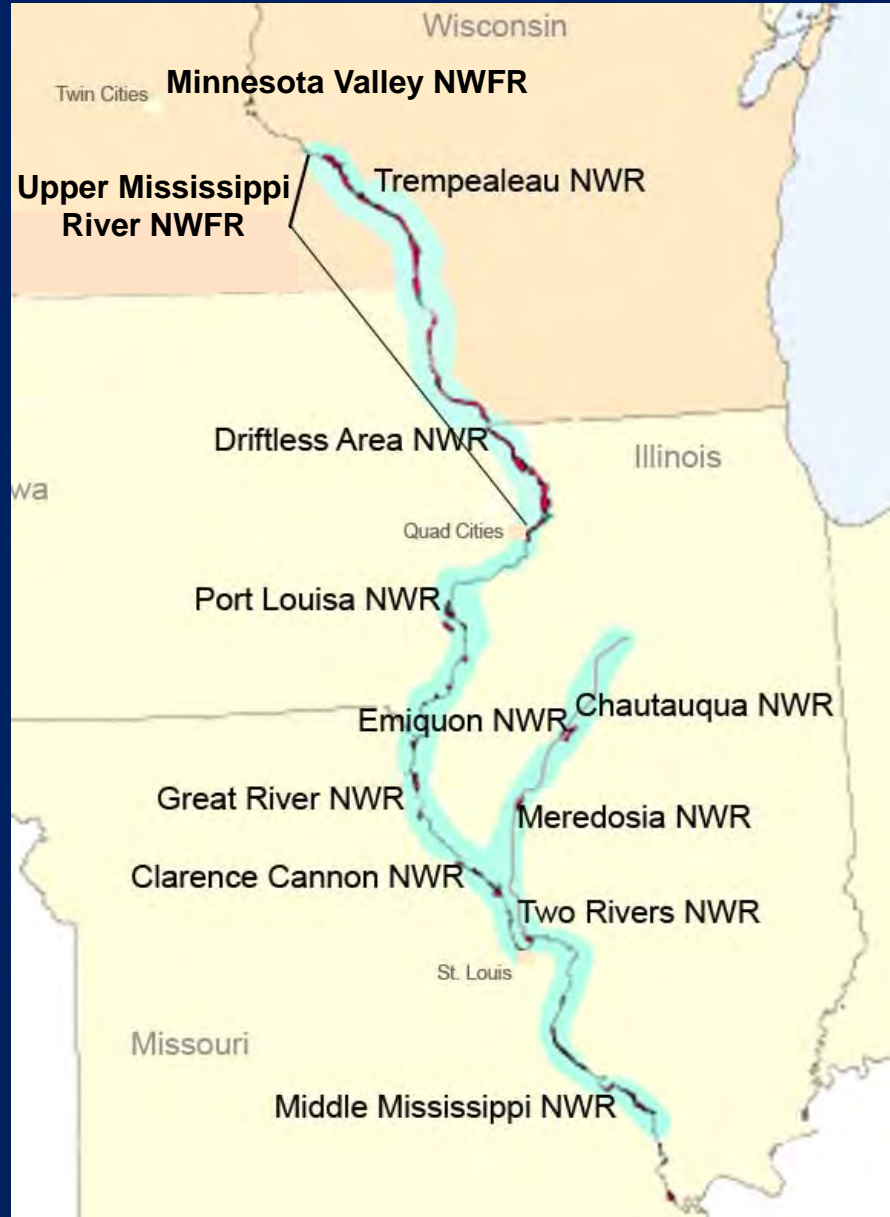
Upper Mississippi River Restoration Habitat Rehabilitation and Enhancement Projects

National Wildlife Refuge System Operation & Maintenance Activities

**HREP Team Meeting
September 28, 2016**

**Sharonne N. Baylor, P.E.
Environmental Engineer**



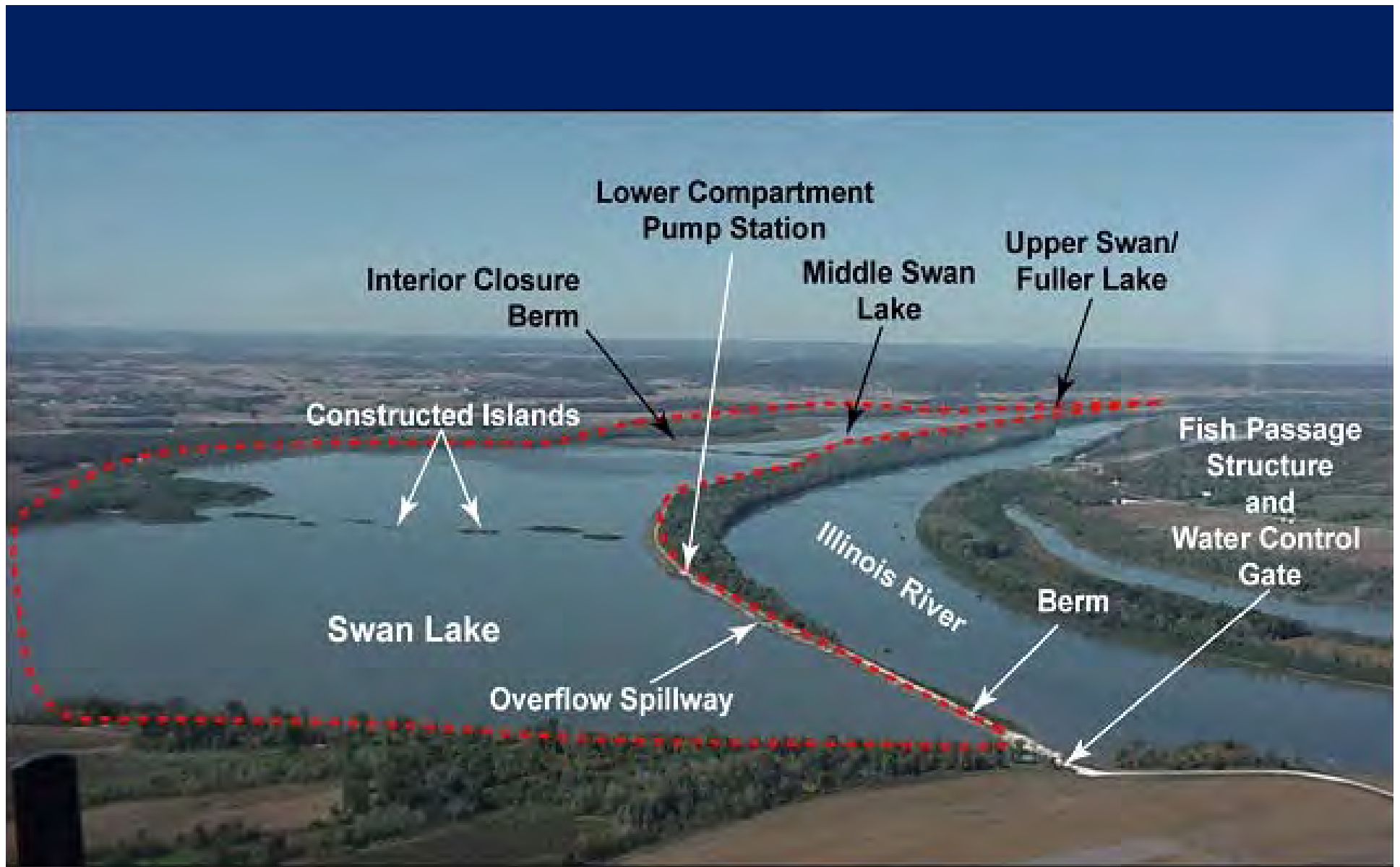




Brenda Kelly, WDNR Photo







Brown's Lake HREP Project Features

Legend

● Water Control Structure

— Improved Levee

— Deflection Levee

— Inlet Channel

— Lake Channel

▨ Dredged Material Placement Site

Green Island Levee &
Drainage District

2008 Green Island
Levee Breach

Mississippi River

Brown's Lake

Prepared by Sharonne Baylon December 2014
Upper Mississippi River National Wildlife and Fish Refuge
Background Imagery: National Aq Program 2014

0 0.125 0.25 0.5 Miles









Long Lake

Mississippi River →

US Army Corps of Engineers
Photo 2005





US Army Corps of Engineers,
St. Paul District Photo

















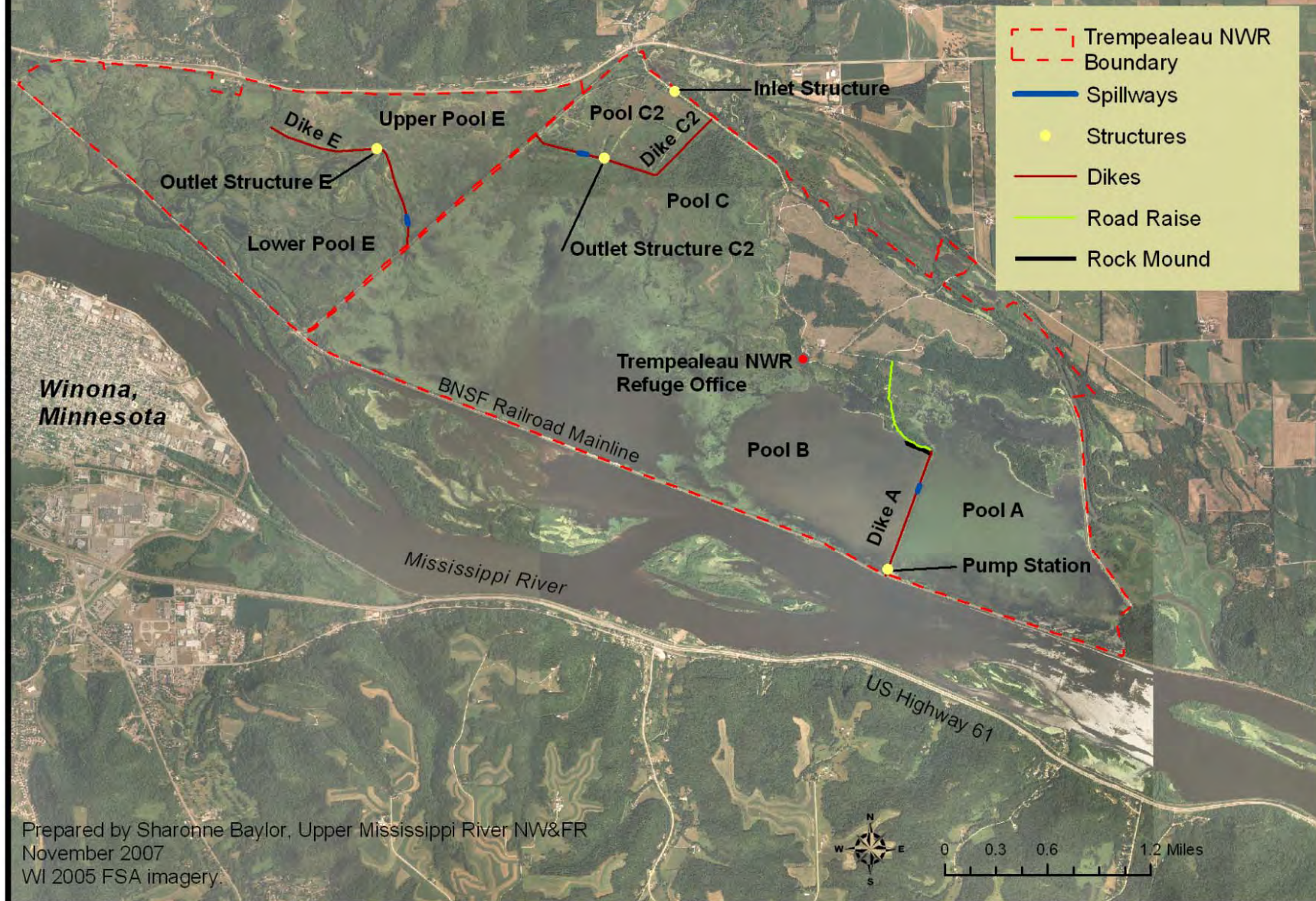








Trempealeau NWR Habitat Rehabilitation and Enhancement Project Project Features



Prepared by Sharonne Baylor, Upper Mississippi River NW&FR
November 2007
WI 2005 FSA imagery.















Unanticipated Pump Considerations

- Changing Hydrology
- Electrical Cost Structure Changes
- Electric Co. Peak Demand Shutdowns
- Service and Parts for Older Pumps



Aaron Yetter, Illinois Natural History Survey Photo

