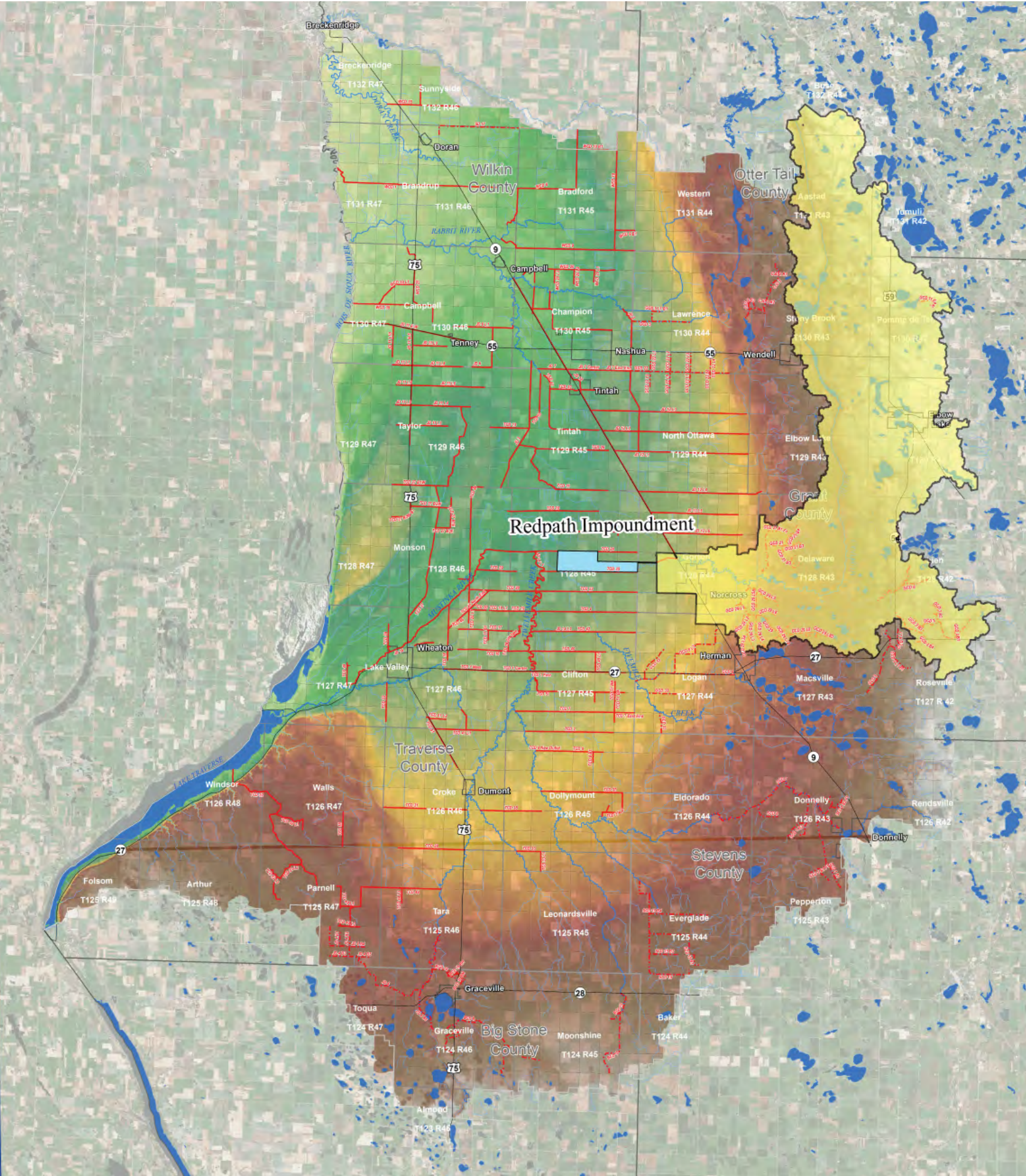


Redpath Project



BOIS DE SIOUX
WATERSHED DISTRICT



Project Benefits:

- Local Flood Reduction
- Improved Drainage
- Improved Water Quality
- Habitat Enhancement

Drainage Area:

212.0 sq.mi.

Proposed Storage:24,000 Acre-Feet
(2.0 Inches Runoff)**Estimated Cost:**

Total Cost: \$34.6 M

FDR: \$19.46 M

FED: \$4.5 M

RRWMB: \$4.5 M

LSOHC: \$2.44 M

F-MDA: \$3.0 M

BdSWD: \$0.75 M

Partners:

- Redpath Township
- Gorton Township
- Select Redpath Township Landowners
- Traverse County
- Grant County
- Traverse SWCD
- Grant SWCD
- MCEA
- MPCA
- BWSR
- MNDNR
- NRCS
- USFWS
- RRBC

Project Proposer:Bois de Sioux Watershed District
Red River Watershed Management Board
State of Minnesota**Description/Location:**

This impoundment site is located alongside a reach of the channelized Mustinka River (JD14). It will be an off-channel storage site designed to take high water off JD14. The project is in the development and permitting stage. The site footprint is approximately 2,600 acres. It will include ~ 11.5 miles of levee; spillway connections to and from JD14; and 5.5 miles of Mustinka River rehabilitation. A proposed collection channel could also be included as a project feature that would bring an additional 11 square mile local drainage area into the project. This would divert about half of the water from a major county ditch system into the impoundment from the southeast to provide additional local flood reduction benefits to agricultural lands, farmsteads, roads, and bridges.

Problem Description:

- **Flooding:** Local – repetitive flooding of farmland and rural structures, road washouts and other infrastructure damages; Regional – Lake Traverse, Bois de Sioux River and Red River of the North.
- **Drainage:** Insufficient drainage for crop production in the project area.
- **Erosion/Sedimentation:** Streambank, gully, and sheet erosion, streambed sedimentation.
- **Other:** Lack of wildlife habitat.

Project Benefits:

- **Flood Damage Reduction (Primary Objective):** The project provides about 24,000 acre feet of flood control storage of which 19,000 acre feet will be gate controlled. This is expected to reduce flood damages to agricultural lands, roads, and bridges downstream along the Mustinka River, Twelve Mile Creek, and numerous legal ditch systems. This project will also help to minimize cross-over flows from the Mustinka Watershed to the Rabbit River Watershed and provide benefits on the Bois de Sioux River and Red River.
- **Improved Drainage:** The project will improve the capacity of JD14 adjacent to and immediately upstream of the project. It will also improve the function of nearby drainage systems by removing water from those facilities.
- **Water Quality:** This project is located along a reach of the Mustinka River that is TMDL listed as impaired water for turbidity. The project will reduce erosion and will allow suspended solids to settle out thereby reducing turbidity. The project will also augment downstream flows during dry periods.
- **Habitat Enhancement:** Wetland areas totaling about 700 acres will be managed to provide spawning habitat for Northern Pike, feeding and resting areas for migrating shorebirds and waterfowl and Mustinka River restoration.

