



# Board of County Commissioners Agenda Request

4A  
Agenda Item #

**Requested Meeting Date:** October 9, 2018

**Title of Item:** Mississippi Headwaters Board Lakes Program Discussion

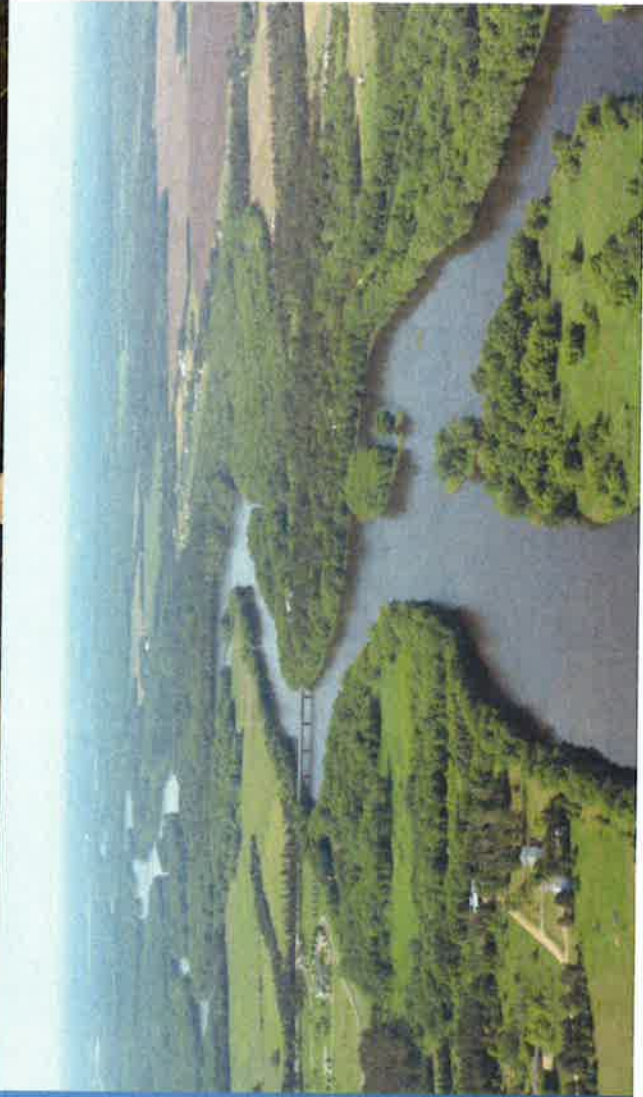
<input checked="" type="checkbox"/> REGULAR AGENDA <input type="checkbox"/> CONSENT AGENDA <input type="checkbox"/> INFORMATION ONLY	<b>Action Requested:</b> <input type="checkbox"/> Approve/Deny Motion <input type="checkbox"/> Adopt Resolution (attach draft) <i>*provide copy of hearing notice that was published</i>	<input type="checkbox"/> Direction Requested <input checked="" type="checkbox"/> Discussion Item <input type="checkbox"/> Hold Public Hearing*
<b>Submitted by:</b> Jessica Seibert		<b>Department:</b> Administration
<b>Presenter (Name and Title):</b> Tim Terrill, MHB Executive Director		<b>Estimated Time Needed:</b> 30 minutes
<b>Summary of Issue:</b>  Tim Terrill, MHB Executive Director will give a power point presentation on the Mississippi Headwaters Board Lakes Program.  Discussion only. No action requested.		
<b>Alternatives, Options, Effects on Others/Comments:</b>   		
<b>Recommended Action/Motion:</b> None. Discussion only.		
<b>Financial Impact:</b> Is there a cost associated with this request? <input type="checkbox"/> Yes <input type="checkbox"/> No What is the total cost, with tax and shipping? \$ Is this budgeted? <input type="checkbox"/> Yes <input type="checkbox"/> No <i>Please Explain:</i>		

# Protecting Private Forest for Habitat and Water Quality

**Presented to:**  
Mississippi Headwaters  
Board Counties

**Presented by:**  
Tim Terrill – MHB  
*Executive Director*

Dan Steward -  
BWSR Watershed/PFM  
*Coordinator*





1980 - MHB Established

30 years

2010

2 years

2012

2015

### Minor Watershed Screening

- Urban
- Rural
- GIS Data
- = *Informed Priorities*

County Water Plans

Applications Clean Water Fund

Assessment BWSR-CWF Grant

Protection miles (MI)

Executive Director Hired

November 2013

### •Ordinance Based

- Regulatory
- Review Co. P&Z Decisions
- Executive Director
- Riverwatch

### •Survival

- Defunded
- Refunded
- Strategic Planning

County Water Plans

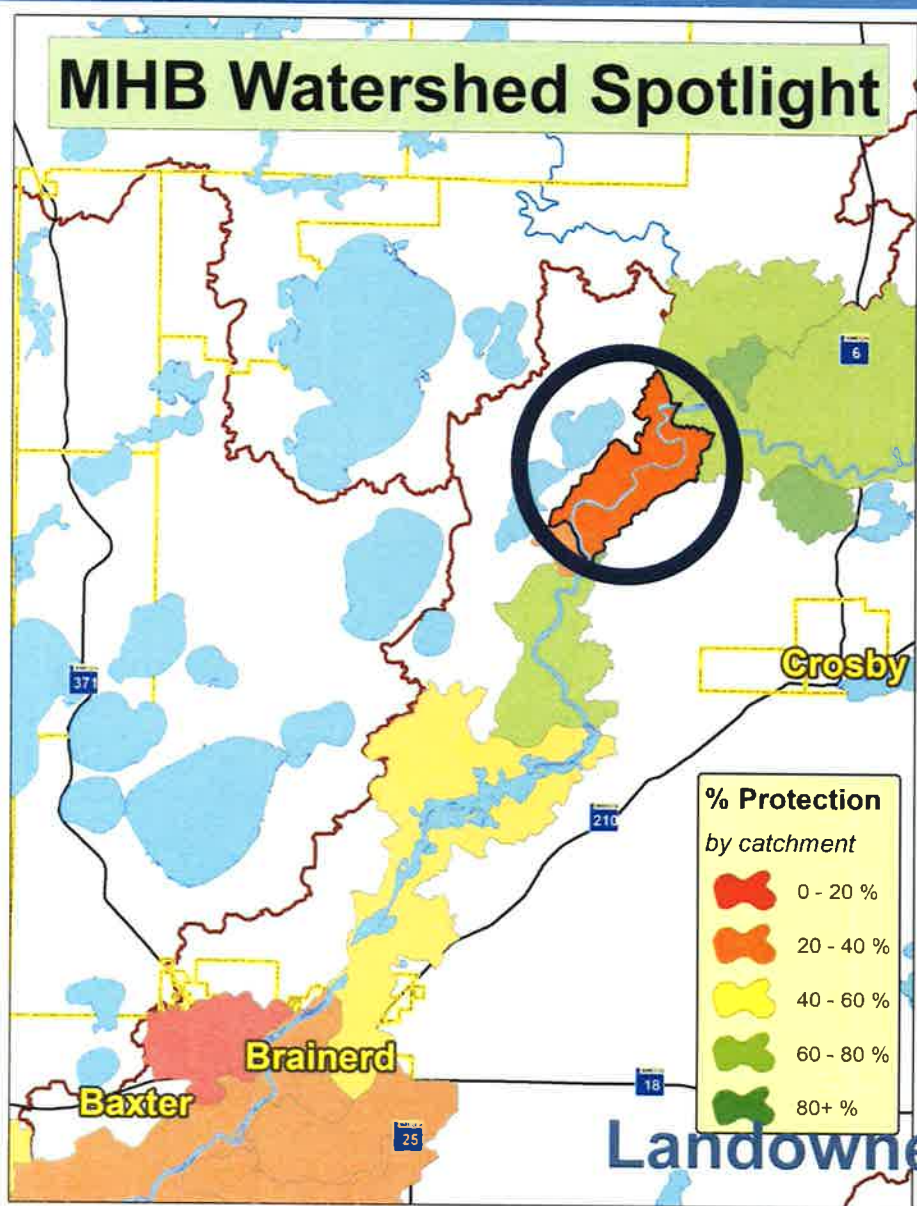
### Water Quality Data Screening

- Collect & Screen Existing Water Quality Data
- Impairments
- Trends
- = *Informed Priorities*

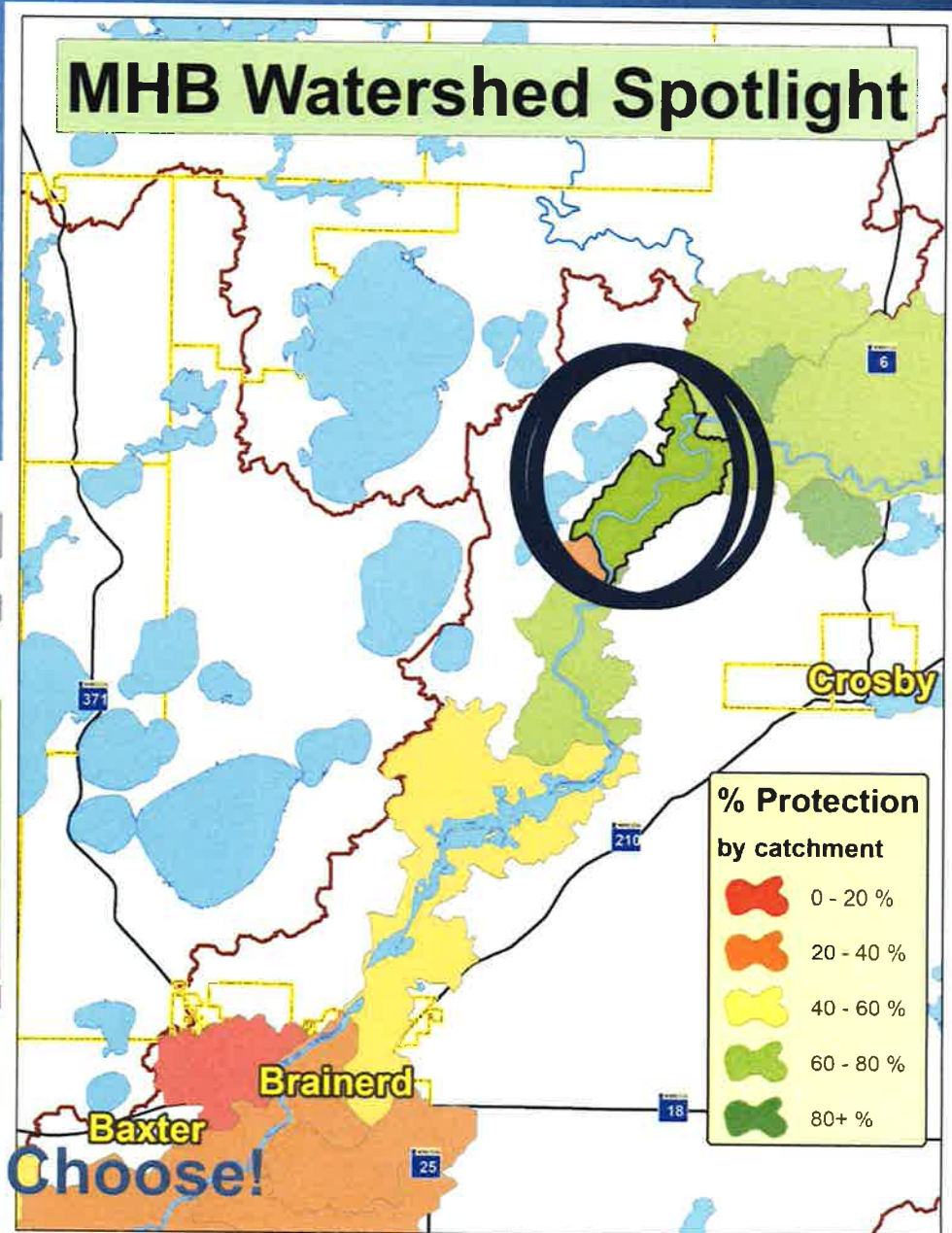
Applications L-SOHC Habitat

# Recent MHB Easements/Acquisitions: Moving the Needle!

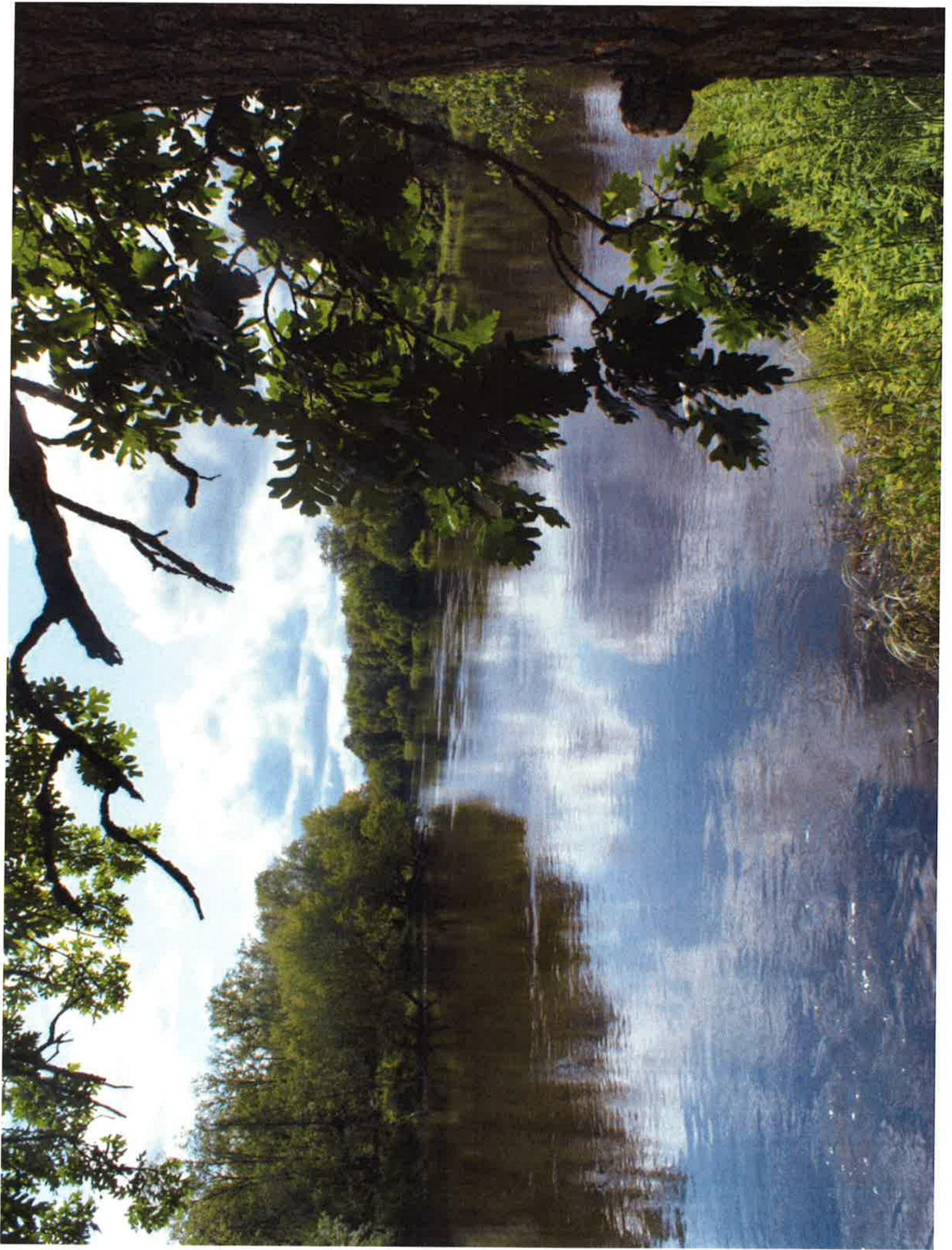
## MHB Watershed Spotlight



## MHB Watershed Spotlight

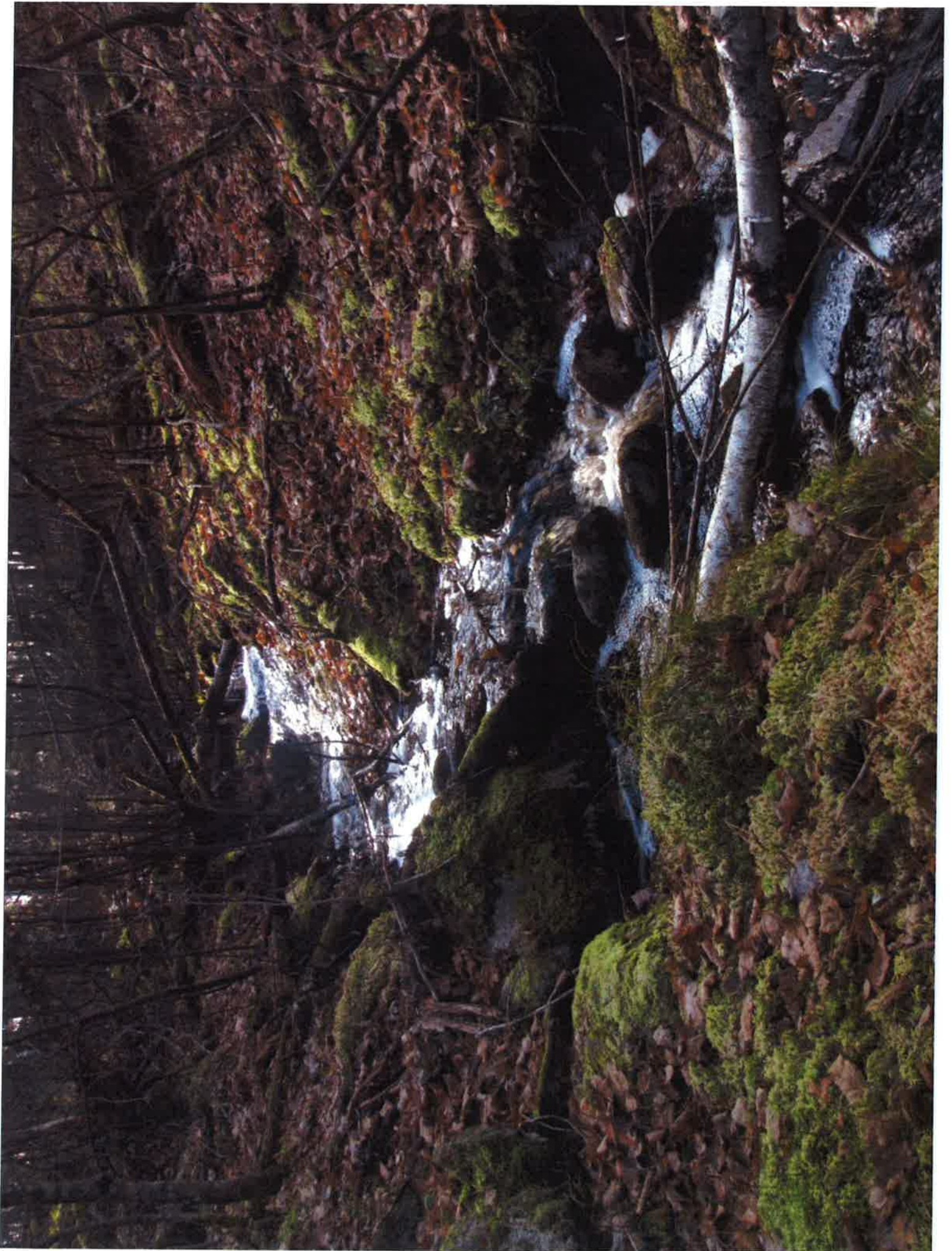


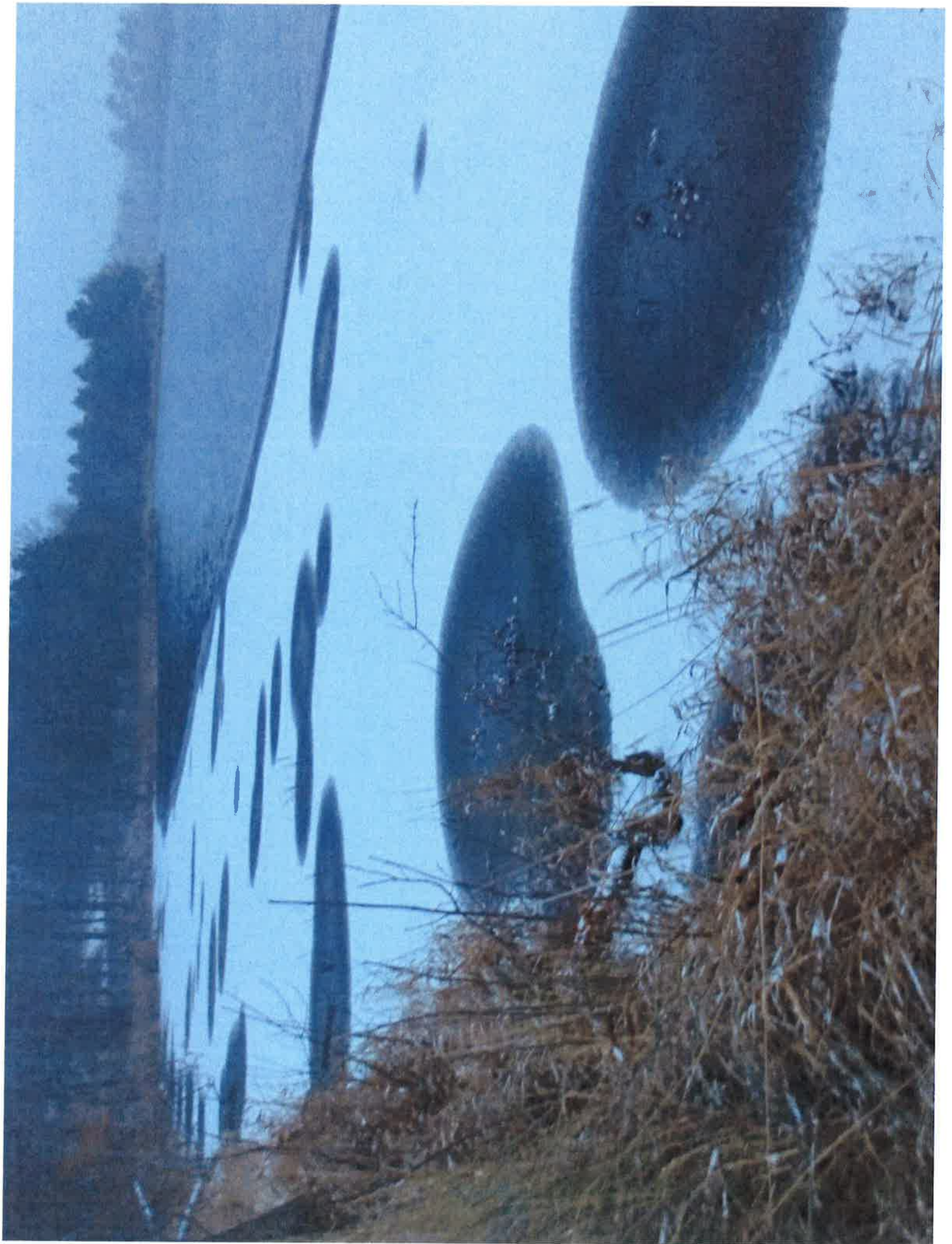
Landowners Choose!



# What's the next step?

- Protecting the Mississippi River Basin
  - Go beyond the corridor to high quality lakes.
- Regional Coordination, Local Implementation  
(bring \$\$ North to protect headwaters lakes)







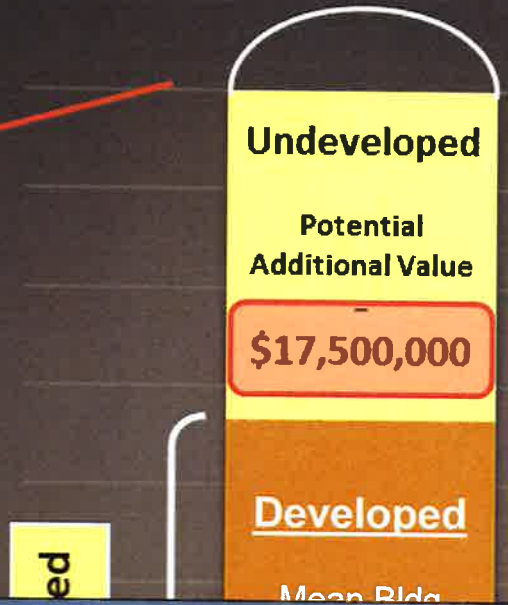
Can we have watershed  
protection AND protect the tax  
base?

\$33 M = Existing  
 + \$17 M = Development  
 + \$64 M = Development  
 + \$18 M = Recreation

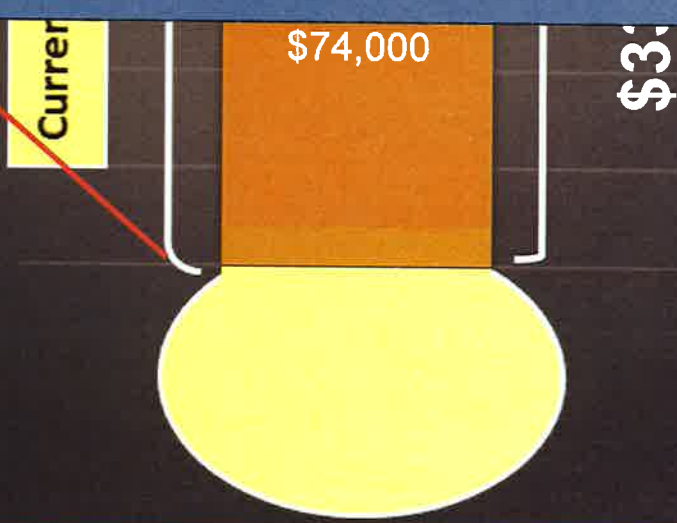
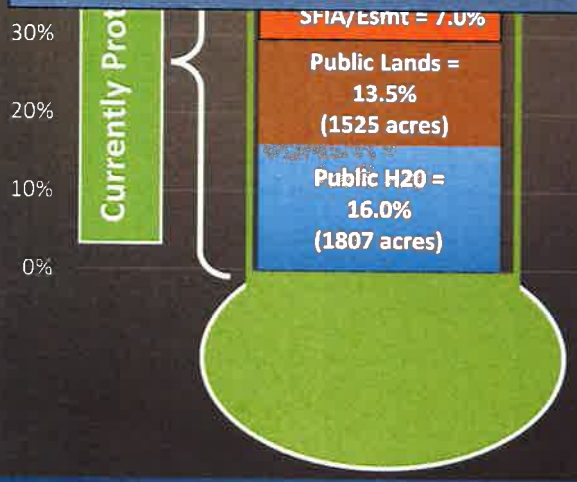
**= 132,000,000  
 Additional (4x)**

**Smaller Tract  
 "Developed" Status**

**Borden Lake Watershed  
 Protection Status**



**Lake Protection with Room to Grow!**



# Many Legislatively-Created Options Available

## Private Forest Landowner Implementation Toolbox



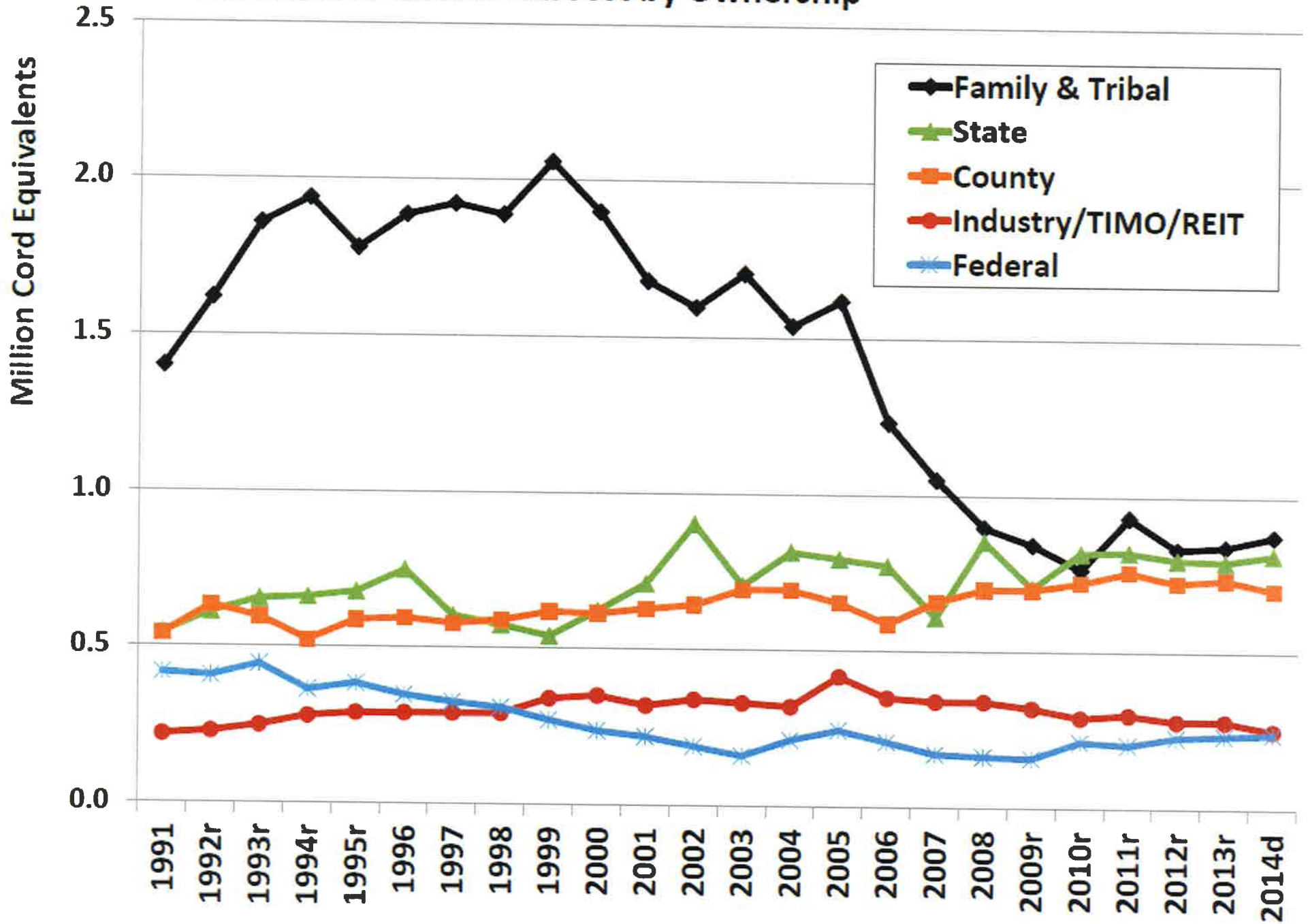
Options

Lower Costs, Less Permanent

Higher Costs, More Permanent

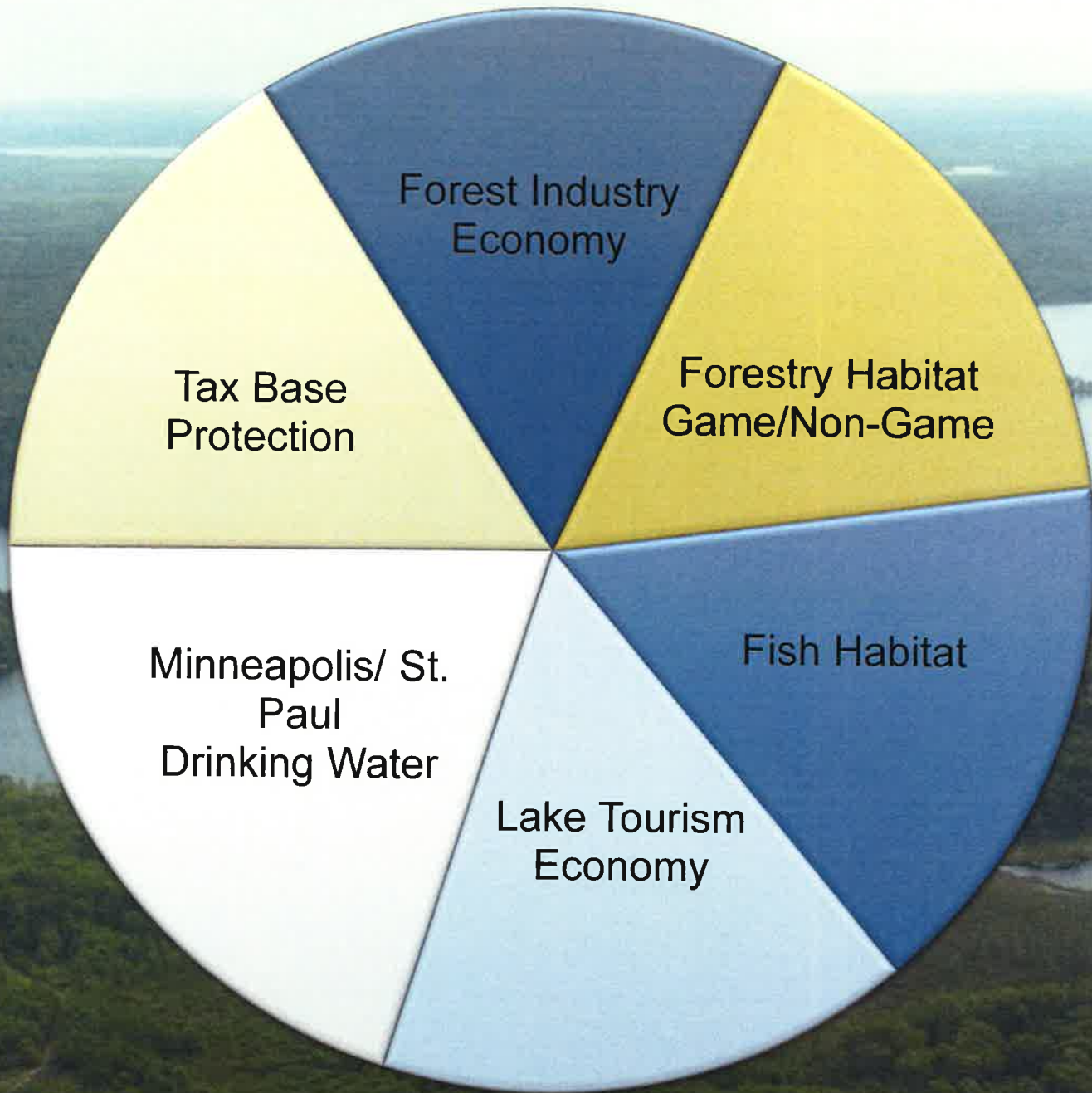
**Landowners Choose!**

# Minnesota Timber Harvest by Ownership



“Protection” doesn't mean that you can't manage!





53 North Central  
Lakes= Tax Base of  
\$5.1 Billion

Tax Base  
Protection



Forest Industry  
Jobs



Forestry Habitat  
Game/Non-Game



Fish Habitat



Lake Tourism  
Economy



Minneapolis/ St.  
Paul  
Drinking Water

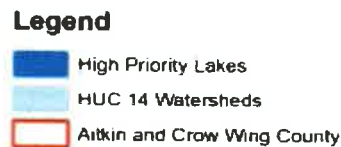
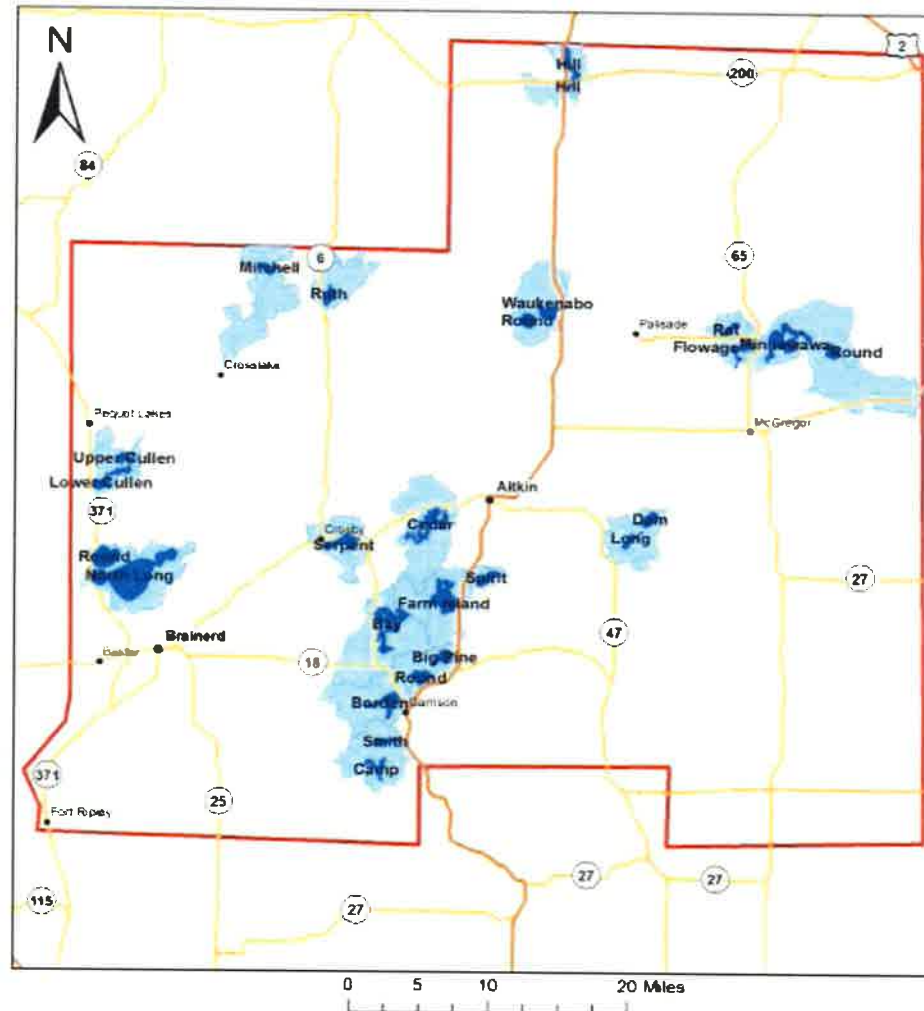


21 BGY

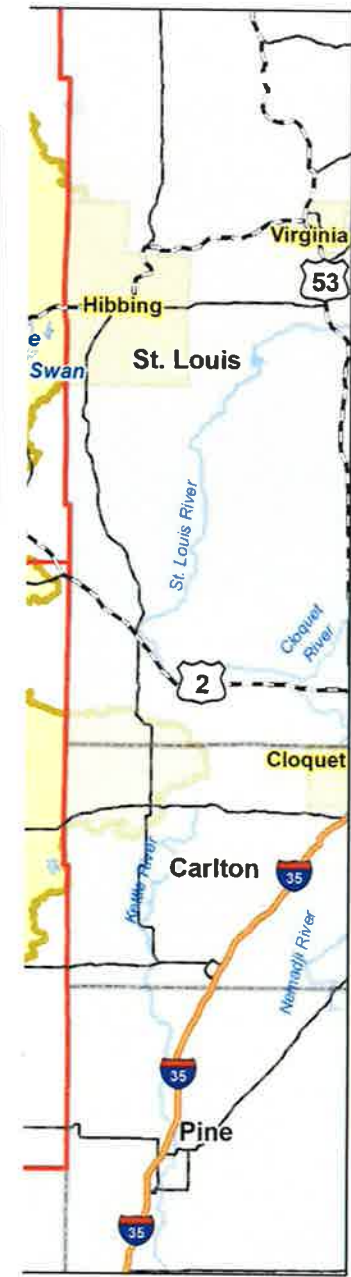
# + Local Priorities!!!!



## Crow Wing and Aitkin Counties High Priority Lakes and Watersheds



Created By: Nicholas Johnson  
Crow Wing SWCD  
15 May, 2017





# Example Scenario:

- Score = 3 out of 5
  - 53 Lakes
  - 36 Watersheds



**Total Needed to get to 75%?**

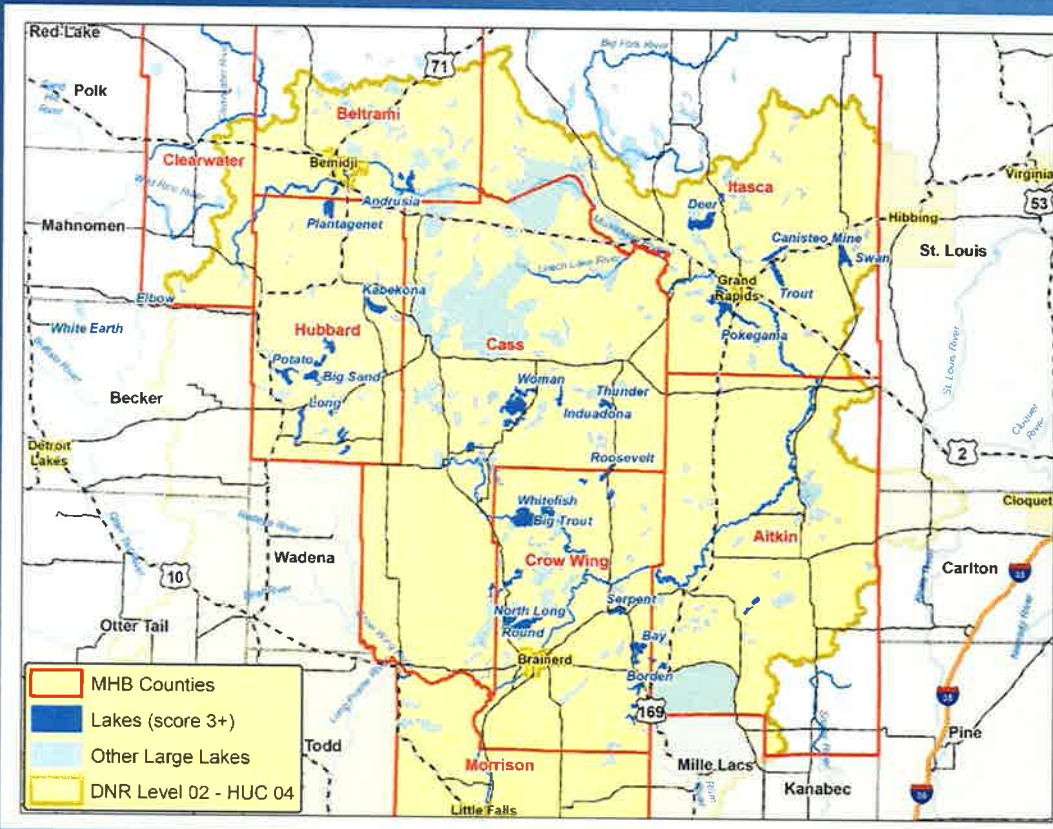
- 89,824 acres
- / 36 = mean: 2495 acres



**Cost (50/50 @ \$1500/ac)?**

- SFIA = \$2,500,000
- +Easements = \$40,500,000  
= \$43,000,000

- Taxable Market Value =  
**\$5,100,000,000**

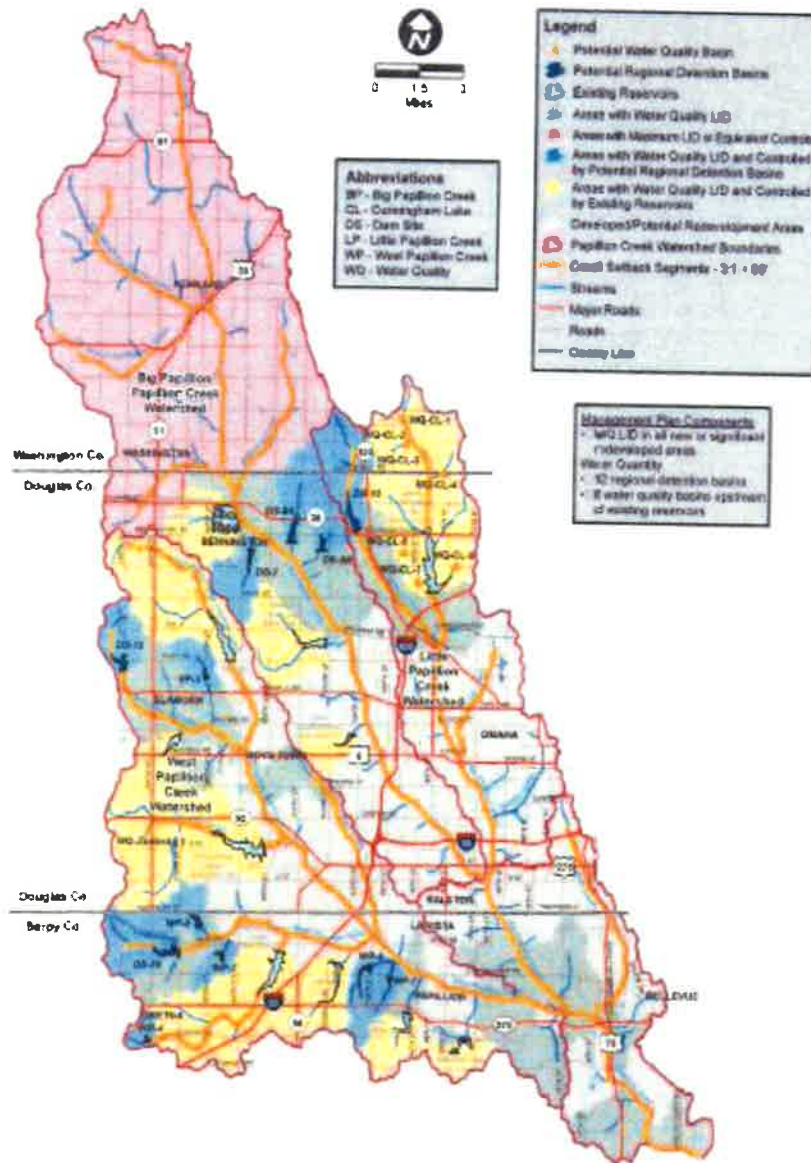


*Keep Forested Lands Forested, Follow the Risk,  
Sell the Whole Toolbox (landowners decide)*



## Executive Summary 2014 Watershed Management Plan Update

Figure E-2 2014 Watershed Management Plan Update for Full Build-Out Conditions



## WP5 REGIONAL DETENTION BASIN FACT SHEET

September 2015

### Project Description:

The West Papillon Regional Basin Number 5 (WF-5) is the first flood control structure proposed as part of the Papillon Creek Watershed Partnership's Watershed Management Plan. The reservoir which captures 3,320 acres of drainage area is located on Westmont Creek, a tributary within the West Papillon Creek Watershed. The project will



- Address the immediate need for flood control in areas surrounding and including the Cities of Papillon and Bellevue
- Create a 135 acre lake with an additional 335 acres of park land.
- Provide recreational opportunities such as "no wake" boating, fishing, 4 miles of hiking and biking trails, and picnic areas
- Protect highly erodible stream banks from further deterioration
- Improve water quality.
- Create an aquatic ecosystem on the site
- Enhance and create wildlife habitat

### Project Cost Estimates:

Estimated Project Costs	Dollars
Land Rights	\$18,200,000
Engineering	\$3,100,000
WP-5 Construction	\$14,500,000
<b>Estimated Total Cost</b>	<b>\$35,800,000</b>

Project Partners	Amount
Papio-Missouri River NRD	\$34,400,000
Nebraska Game & Parks Commission	\$500,000
Sapry County	\$450,000
City of Papillon	\$450,000
<b>Total</b>	<b>\$35,800,000</b>



Finding Solutions  
SERVING Sarpy, Douglas,  
Washington, Burt, Thurston  
and Dakota Counties.

The NRD is governed by an elected, 11-member Board of Directors.

THE MISSION of the Papio-Missouri River NRD is to wisely conserve, manage and enhance our soil, water, wildlife and forest resources.

- \* Flood Control
- \* Water Quality
- \* Groundwater Resources
- \* Soil Conservation
- \* Outdoor Recreation
- \* Domestic Water Supply
- \* Fish and Wildlife Habitat
- \* Forest Resources
- \* Environmental Education

General Manager:  
John Winkler

Asst. Gen. Manager:  
Marlin Petermann, PE

# Questions?

- **Dan Steward, Watershed/PFM Coordinator**  
[dan.steward@state.mn.us](mailto:dan.steward@state.mn.us) 218-203-4474
- **Tim Terrill, MHB Executive Director**  
[timt@mississippiheadwaters.org](mailto:timt@mississippiheadwaters.org) 218-824-1189