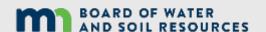


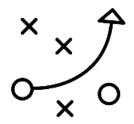
One Watershed, One Plan





Lessard-Sams Outdoor Heritage Council

Agency Perspectives







Strategic

Targeted

Collaborative

What we will talk about today

"...planning and high level resource protection..."

The One Watershed, One Plan program

"...logical, common sense approaches that leverage multiple partners and funding sources..."

Upper Mississippi / Pine River watershed example

"...stacking quantifiable conservation benefits for clean water and habitat..."

Methodology for prioritizing and targeting private forest management



Program Vision



Develop local implementation plans that are prioritized, targeted and measurable, aligned with state strategies on major watershed boundaries.

Local Government Conservation Delivery

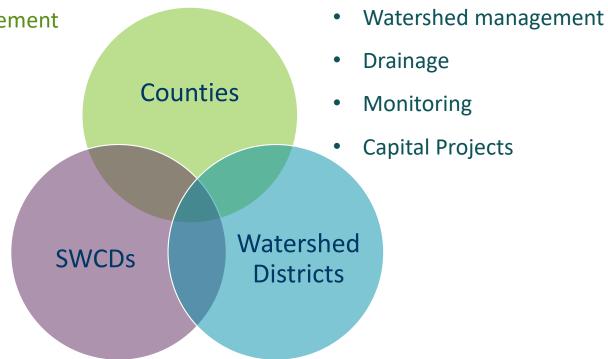
Regulations and land management

Drainage

Public Health

 Technical and financial help for conservation work on private land

 Can accept delegation of local ordinances and controls



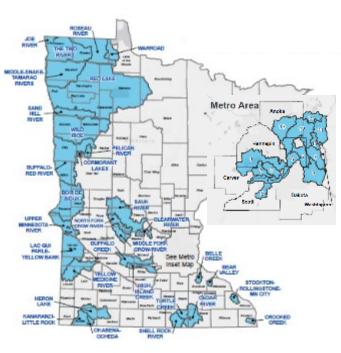
SWCDs





Counties

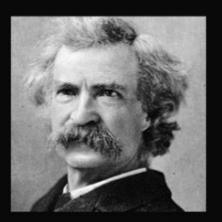
Watershed Districts











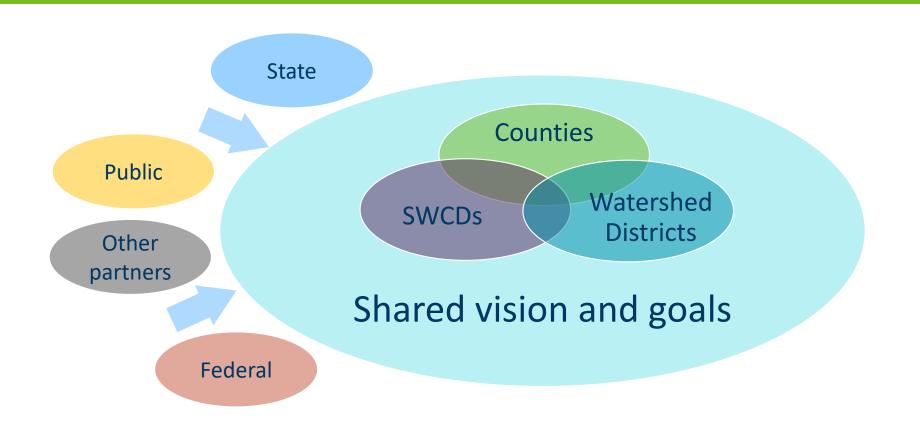
Whiskey is for drinking; water is for fighting over.

~ Mark Twain

Evolution of Water Planning



Working Together to Manage Water





The Legacy Challenge

We have limited resources

Minnesotans expect to see measurable progress

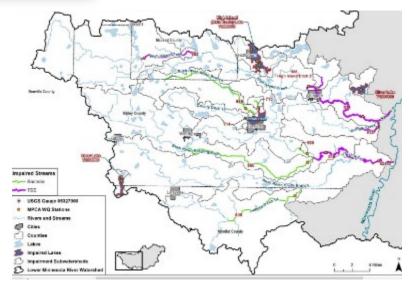
State Strategies – Based in Data





Planning links data to action

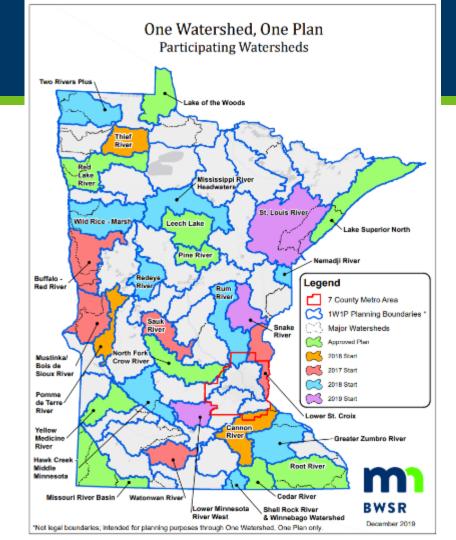












The plan is a story...

- Land and Water Resources Narrative
- Priority Resources and Issues
- Measurable Goals
- Targeted Implementation Schedule
- Plan Implementation Programs
- Plan Administration and Coordination

Who?

What?

When?

Where?

Why?

How?

How much?

The 1W1P Approach

rioritize issues and locations





The Pine River Plan: A Habitat Focus











The Pine River Plan: A Habitat Focus



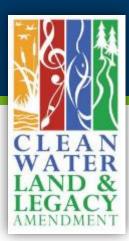




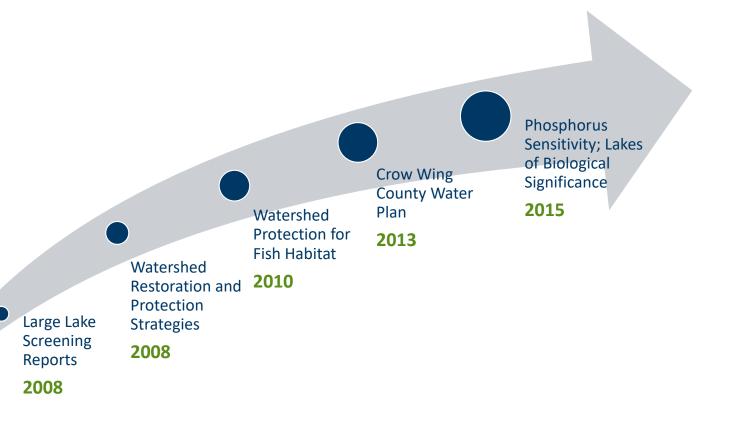
Forests produce clean water. Lakes teeming with fish are dependent on forests teeming with trees

Woods and Water

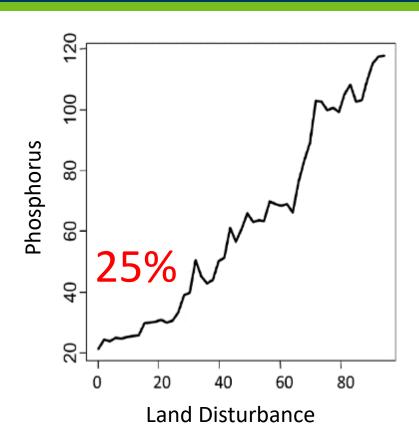
Quote Credit: Pete Jacobson (DNR)



Local and State Research for Protection



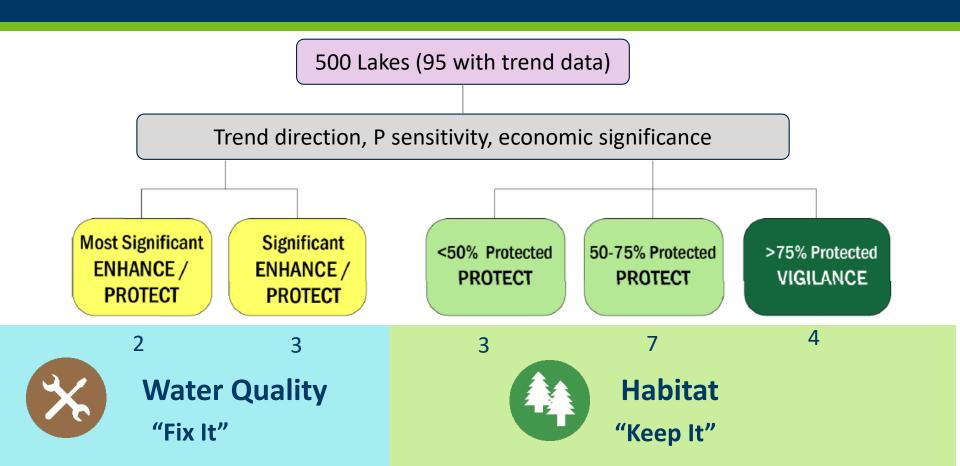
A Numeric Protection Threshold: 75%



"Protected land" areas:

- Surface water
- Public land
- Private wetlands
- Conservation easements
- SFIA enrolled parcels

Prioritizing Lakes 500 → 19



Pine River Goal 1: Protection

Surface

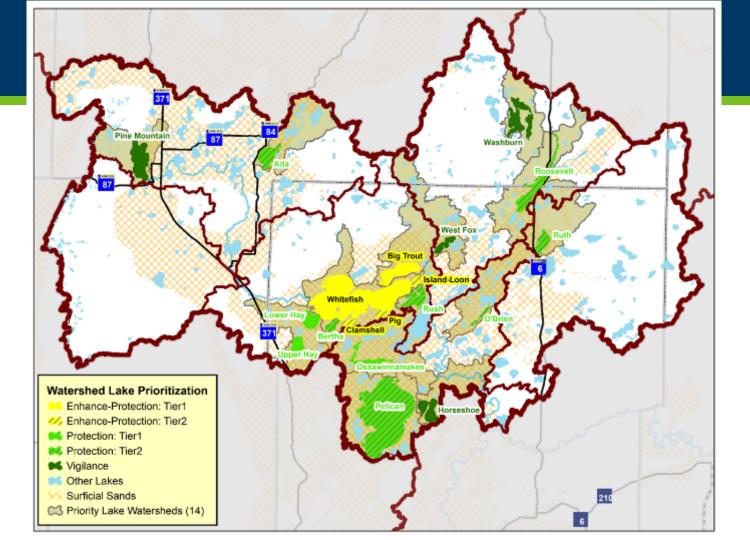
Ground

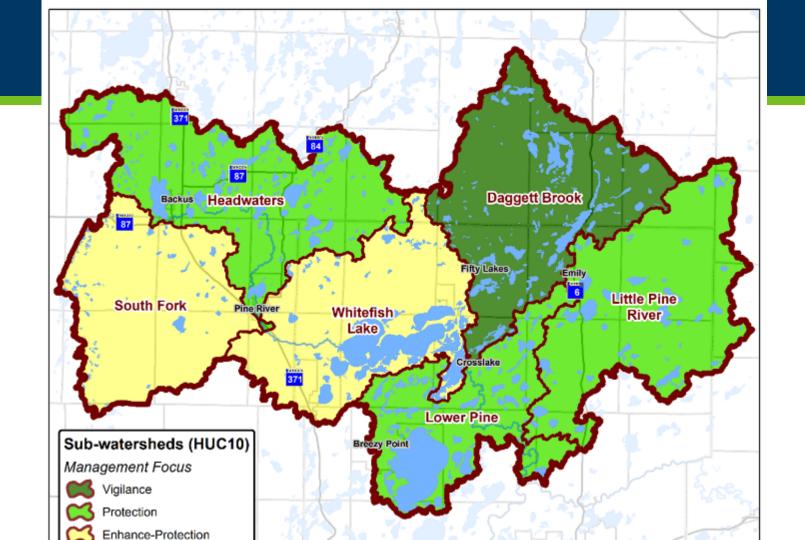
Forestry

Goal: Protect and enhance forest cover, outstanding lake water quality, habitat, surficial sand aquifers, and downstream drinking water by promoting 75 % land protection in targeted minor watersheds.







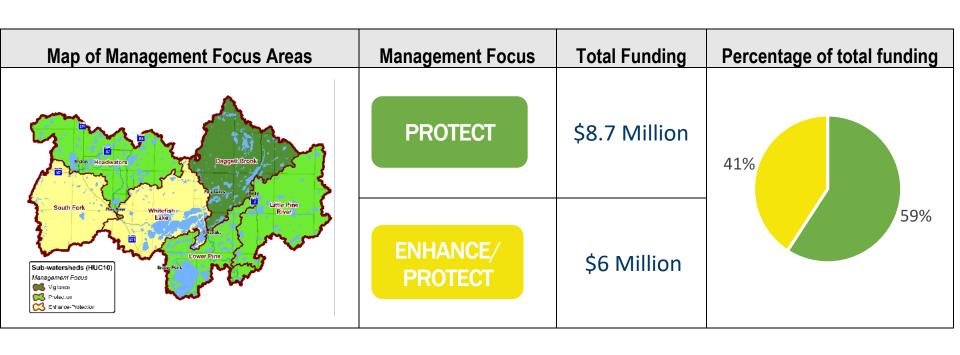


Lake	County	Management Focus	% minor wshd protected (incl. SFIA)	Protection Goal	Needed for 75% protection (acres)	Potential to protect (acres)	*Cost Easements	*Cost SFIA	Notes
Big Trout	Crow Wing	Enhance-Protection	59%	75%	1351	1334	\$1,473,731	\$85,410	
Whitefish	Crow Wing	Enhance-Protection	66%	75%	1498	1507	\$481,858	\$94,702	
Clamshell	Crow Wing	Enhance-Protection	X	х	х	x	x	x	combined with Whitefish
Island-Loon	Crow Wing	Enhance-Protection	Х	Х	х	x	x	х	combined with Whitefish
Pig	Crow Wing	Enhance-Protection	Χ	Х	Х	х	х	х	combined with Whitefish
						Subtotal:	\$1,055,590	\$190,112	
Ada	Cass	Protection	63%	75%	585	1184	\$208,837	\$36,942	
Roosevelt	Cass	Protection	66%	75%	1187	1917	\$285,369	\$74,998	
Bertha	Crow Wing	Protection	X	X	х	х	х	x	combined with Whitefish
Rush-Hen	Crow Wing	Protection	Х	Х	Х	х	х	х	combined with Whitefish
Pelican	Crow Wing	Protection	64%	75%	2040	1458	\$696,815	\$128,938	
Ruth	Crow Wing	Protection	62%	75%	985	1379	\$196,314	\$62,278	
O'Brien	Crow Wing	Protection	50%	75%	2102	2230	\$927,428	\$132,867	
Ossawinnamakee	Crow Wing	Protection	36%	63%**	3475	3168	\$1,622,374	\$219,609	**Modified goal due to potential
Lower Hay	Crow Wing	Protection	34%	50%**	1383	1,725	\$808,316	\$87,383	**Modified goal due to potential
Upper Hay	Crow Wing	Protection	34%	3076	1303	1,720	\$000,310	201,303	modified goal due to potential
						Subtotal:	\$4,745,453	\$743,015	
West Fox	Crow Wing	Vigilance	85%		0	669	\$0	\$0	
Washburn	Cass	Vigilance	82%		0	797	\$0	\$0	
Horseshoe (CW)	Crow Wing	Vigilance	78%		0	422	\$0	\$0	
Pine Mountain	Cass	Vigilance	75%		0	600	\$0	\$0	

Total cost to protect priority lake minor watersheds in this plan: \$6,701,042

SFIA funding (already allocated): \$923,127

Funding



Prioritize / Target / Measure

Prioritize



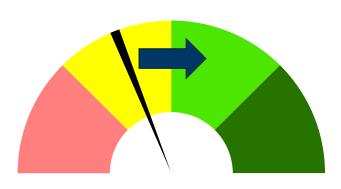
by water
(minor watersheds with important lakes and river reaches)

Target



by land (private forest lands, RAQ criteria)

Measure

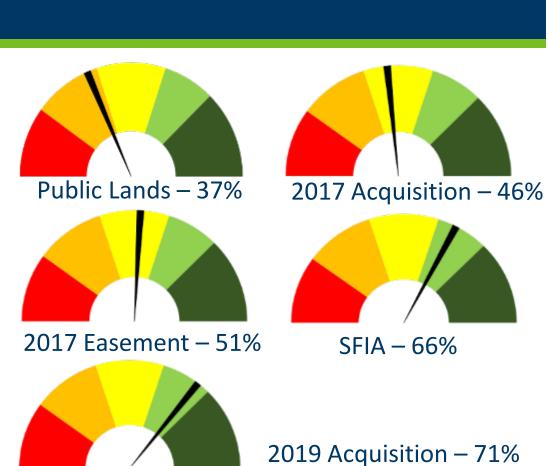


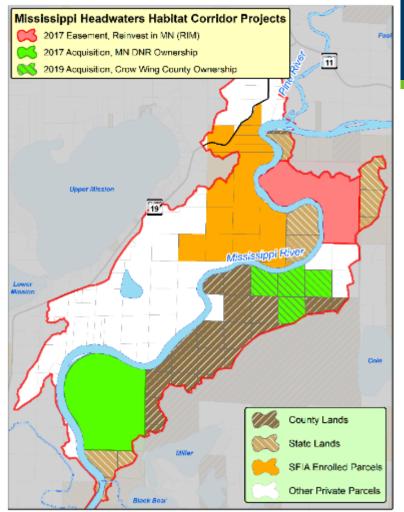
by "needle" (number of acres and % increase in land protected)

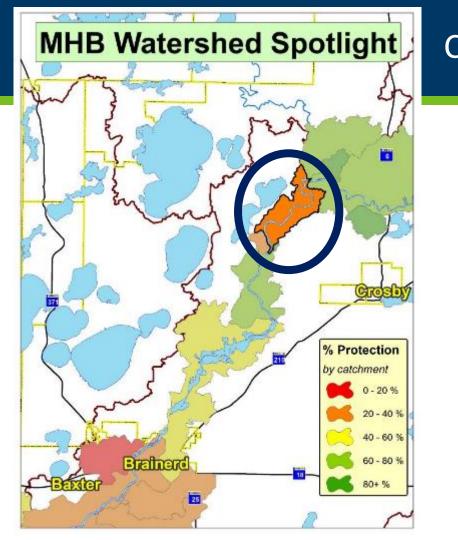
MHB Watershed Spotlight % Protection 0 - 20 % 40 - 60 % Brainerd

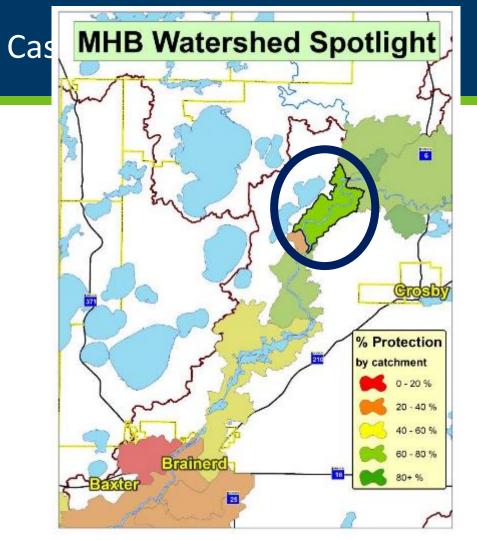
Case Study: Mississippi River

Mississippi River Reach Watershed Protection Example





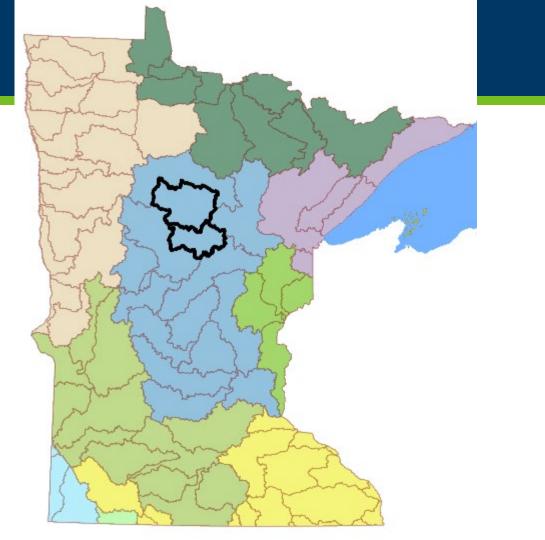


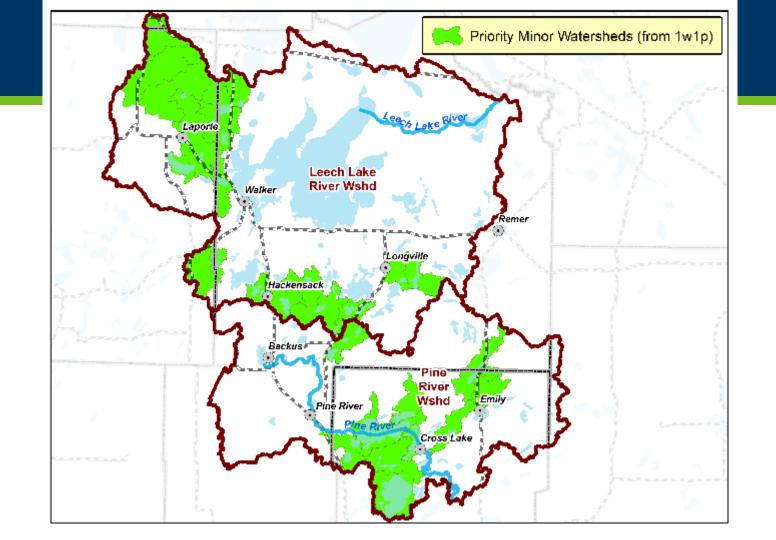


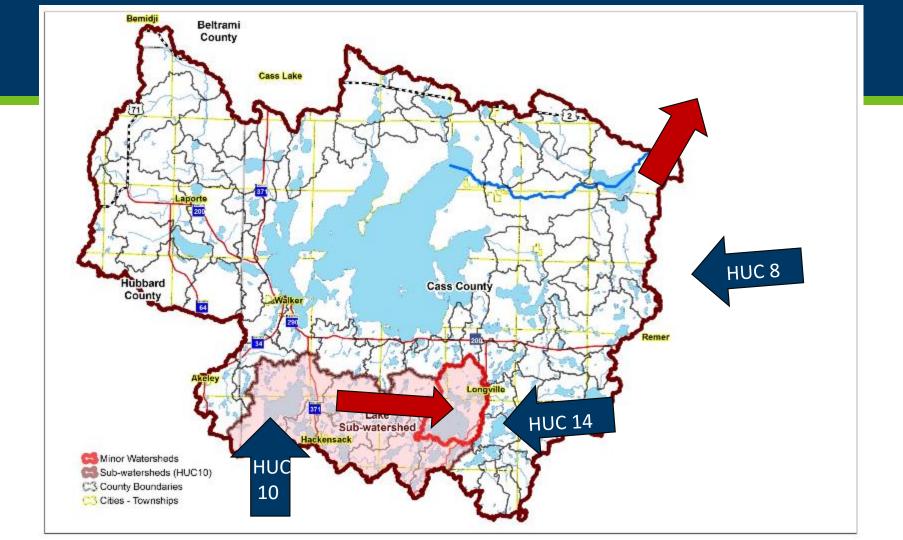
Landowners Choose!

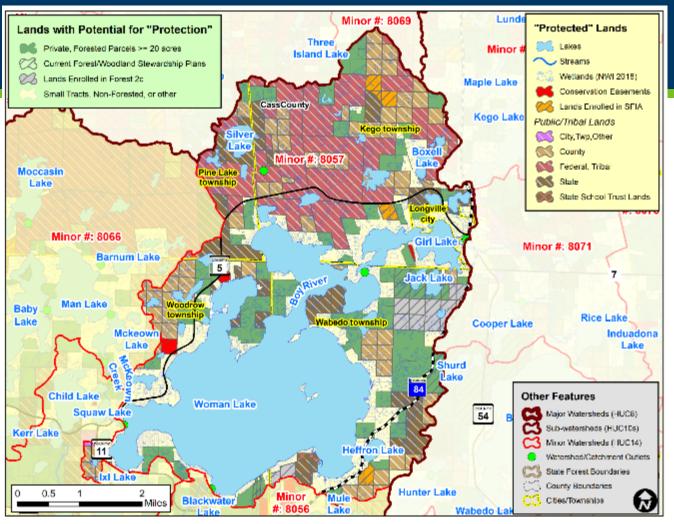
Private Forest Landowner Implementation Toolbox

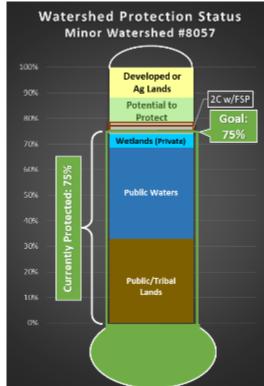


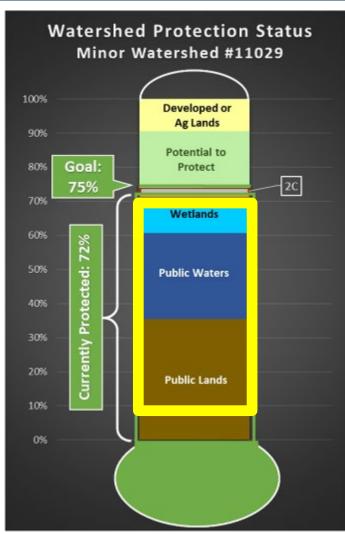


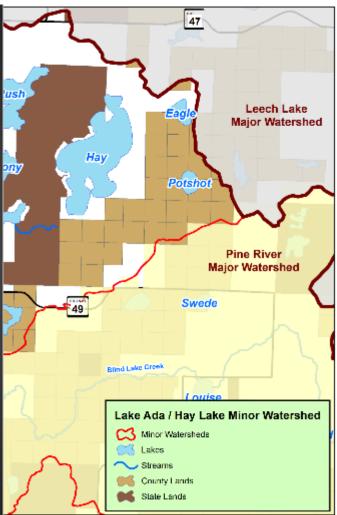






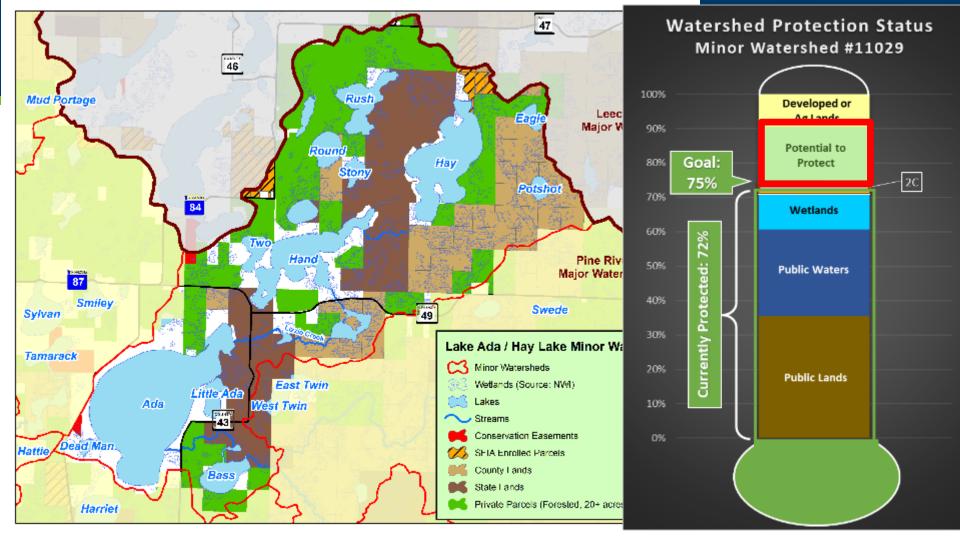


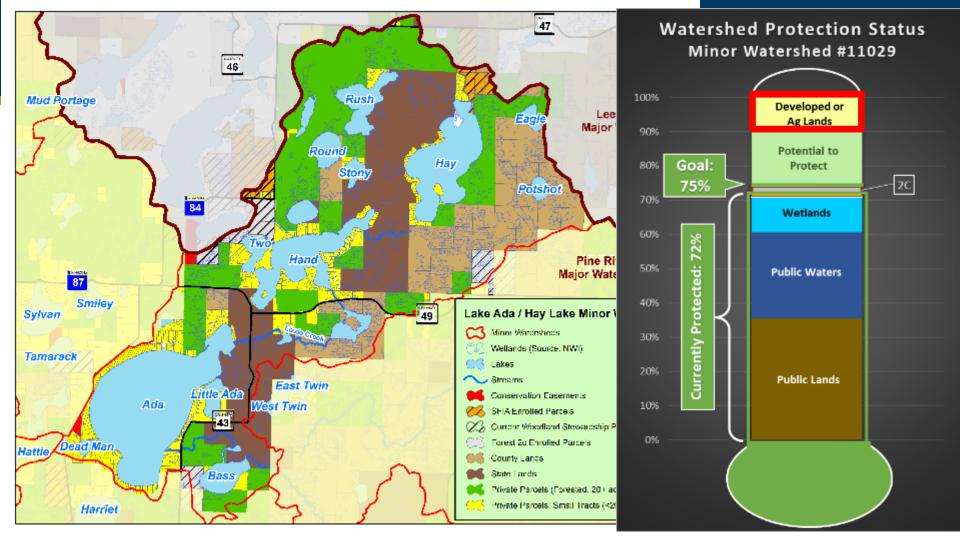


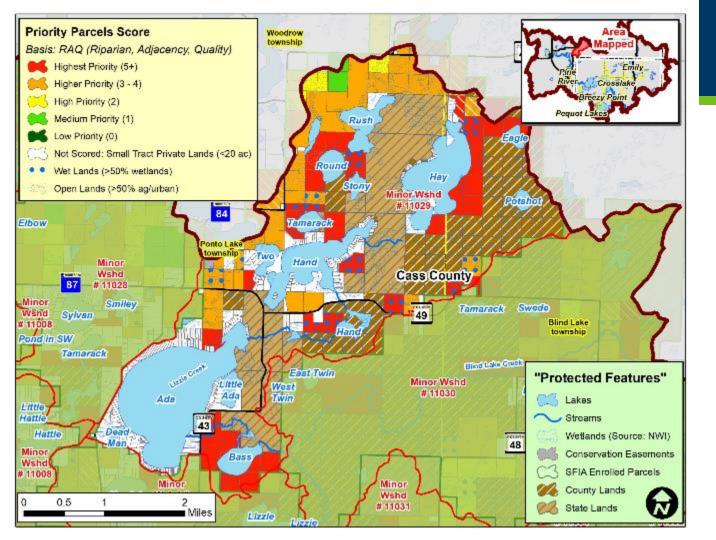


Hay/Hand: Habitat Priorities

Ada: Water Quality Priority







Riparian

(close to water)

Adjacency

(close to public land, easement or SFIA)

Quality

(biodiversity, wild rice, etc.)

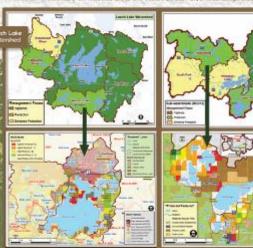
Aquatic and Terrestrial

- Complete 38 BWSR RIM easements on private lands
- · Protect over 2,280 acres of pristine forest upland habitat

Phiotifization by Watershed . Choo Line Will Real Lake Lake of Her Volumetre Beatwerty

- * "Protection" Watersheds (75% Protected source One Watershed One Plan, DNR Landscape Shawards to Ran L







Upland forest habitat is essential to fish habitat



Our level fooming with fith are partially a result of our forests fearning with frees.

RAQ Scoring Method Targets to the Private Parcel

- A. Auguste for Rich Lineth (for larger habital blocks).
 A. Auguste for Rich Lineth (for larger habital blocks).
 Co. Gualfy/Habit o Outstending Terricined Backword (Other Wastle Auton Pley, Text, Native, M. akke Wild Soc. Other Growth Crack).
 Carolin Crack, a chile (code) imported in Sentral).

Thank You!



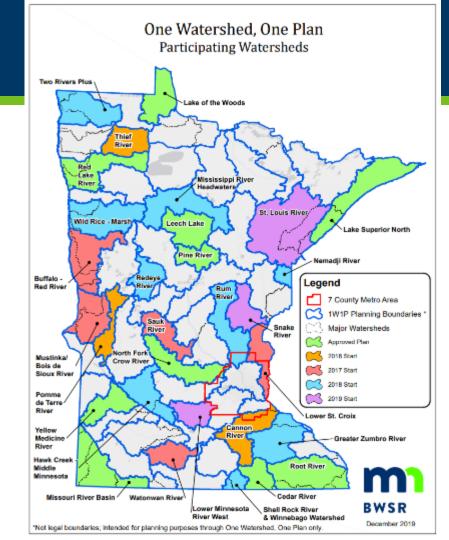
Harmonizing people, water, forests, and the economy in a place to renew your spirit.











Looking to the Future

