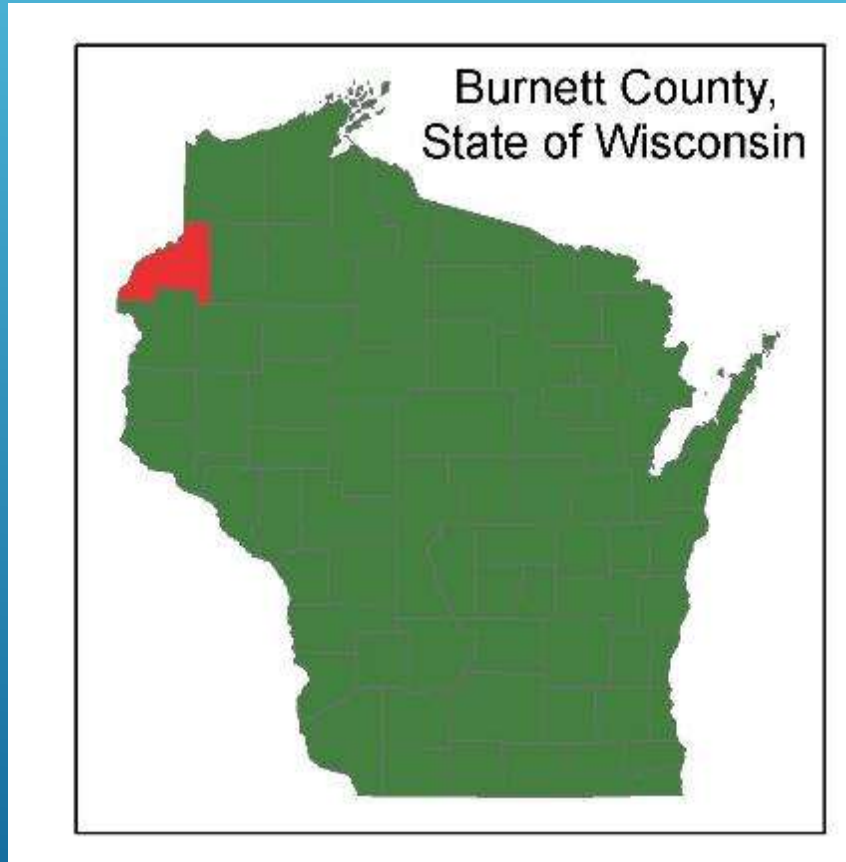


BURNETT CO. SHORELINE INCENTIVE PROGRAM

25 years of protection

A series of several parallel white lines of varying thicknesses, slanted diagonally from the bottom left towards the top right, crossing the right side of the slide.

BURNETT COUNTY, WISCONSIN



- ▶ *Population 15,674*
- ▶ *Approximately 80 miles from Twin Cities*
- ▶ *Approximately 60 miles from Superior*
- ▶ *25% commute out of County for work.*
- ▶ *Over 50% of Property Parcels owned by non-residents*

BURNETT COUNTY STATS

>Approx. 560,000 acres

- ▶ About 200,000 plus acres public land including 111,100 acres of Co. Forest

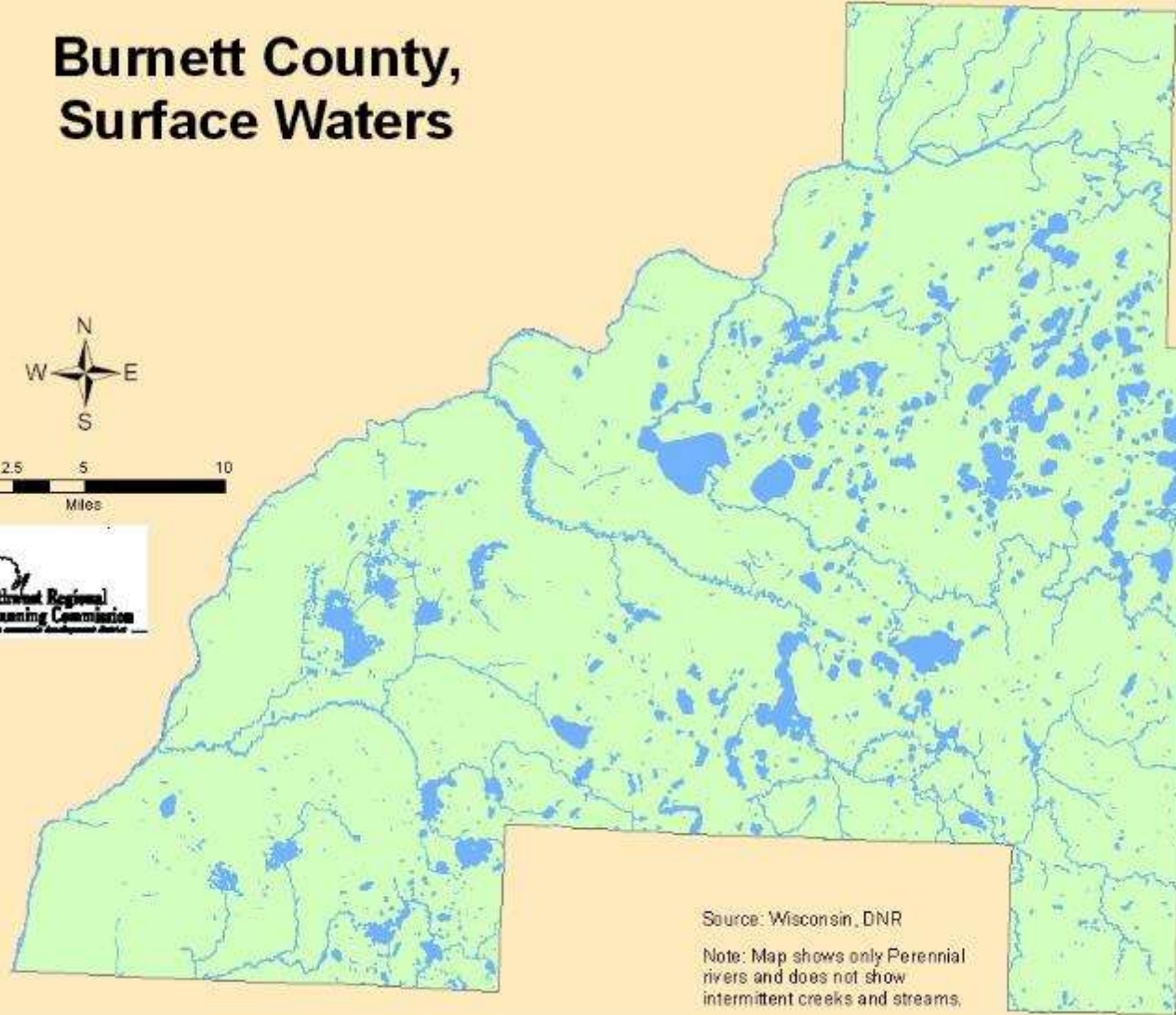
- ▶ 15,500 permanent Residents
 - ▶ Swells to 55-60,000 on a summer weekend
- 
- A decorative graphic consisting of several parallel white lines of varying lengths, slanted diagonally from the bottom right towards the top right, located in the lower right quadrant of the slide.

Burnett County, Wisconsin

- **509 Lakes**
- **31,258 Acres of Water**



Burnett County, Surface Waters



Source: Wisconsin, DNR

Note: Map shows only Perennial
rivers and does not show
intermittent creeks and streams.

Structures Within 150 Feet of Surface Water

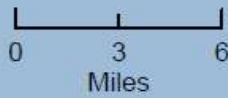
Burnett County, WI

Current as of December, 2018

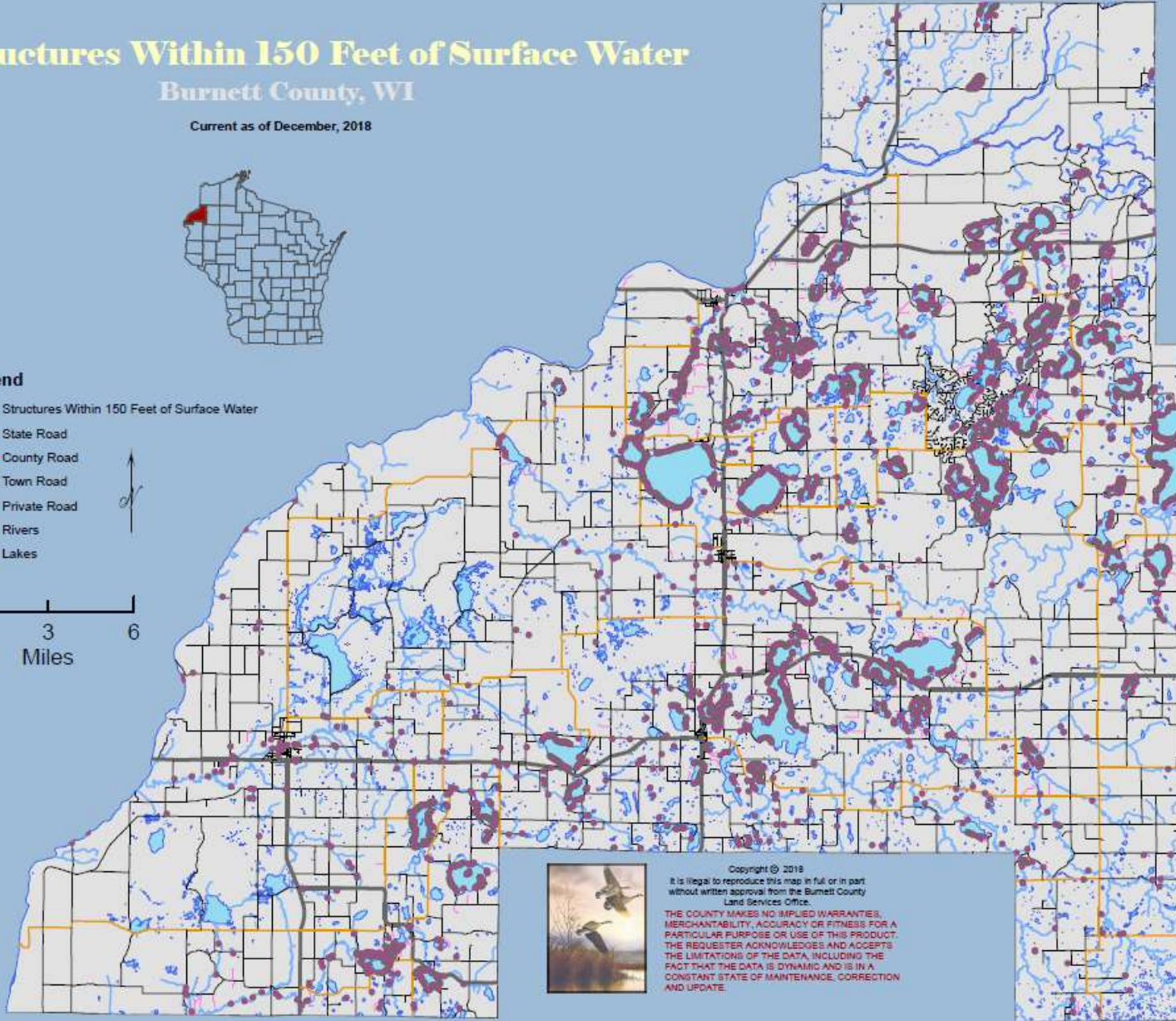


Legend

- Structures Within 150 Feet of Surface Water
- State Road
- County Road
- Town Road
- Private Road
- Rivers
- Lakes



Miles




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Land Services Office.

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THE REQUESTER ACKNOWLEDGES AND ACCEPTS
THE LIMITATIONS OF THE DATA, INCLUDING THE
FACT THAT THE DATA IS DYNAMIC AND IS IN A
CONSTANT STATE OF MAINTENANCE, CORRECTION
AND UPDATE.


WHY PLAN IN BURNETT COUNTY

- ▶ 50% of homes are second homes
- ▶ Year round population growing
- ▶ Population triples in summer
- ▶ 70% increase in annual building permits 1985-1995
- ▶ Wetlands, near Villages
- ▶ Growing surface use conflicts
- ▶ Concern over loss of local character, control, and quality; and
- ▶ County Board & Zoning Meetings conflict

CHIEF CONCERNS

- ▶ Lakeshore degradation;
 - ▶ Boating conflicts;
 - ▶ PWC complaints
 - ▶ Traffic congestion;
 - ▶ Property value increases;
 - ▶ Increasing number of billboards;
 - ▶ Loss of community character; and
 - ▶ Loss of community control
- 
- A decorative graphic consisting of several parallel white lines of varying lengths and orientations, located in the bottom right corner of the slide.

TOP COMMUNITY ISSUES

- ▶ Need a new stronger ordinance;
 - ▶ Stronger enforcement of existing ordinances;
 - ▶ Aggressive land use education;
 - ▶ Septic and other systems;
 - ▶ Consistent economic and development policies;
 - ▶ Land stewardship ethics; and
 - ▶ Seek partnerships
- 

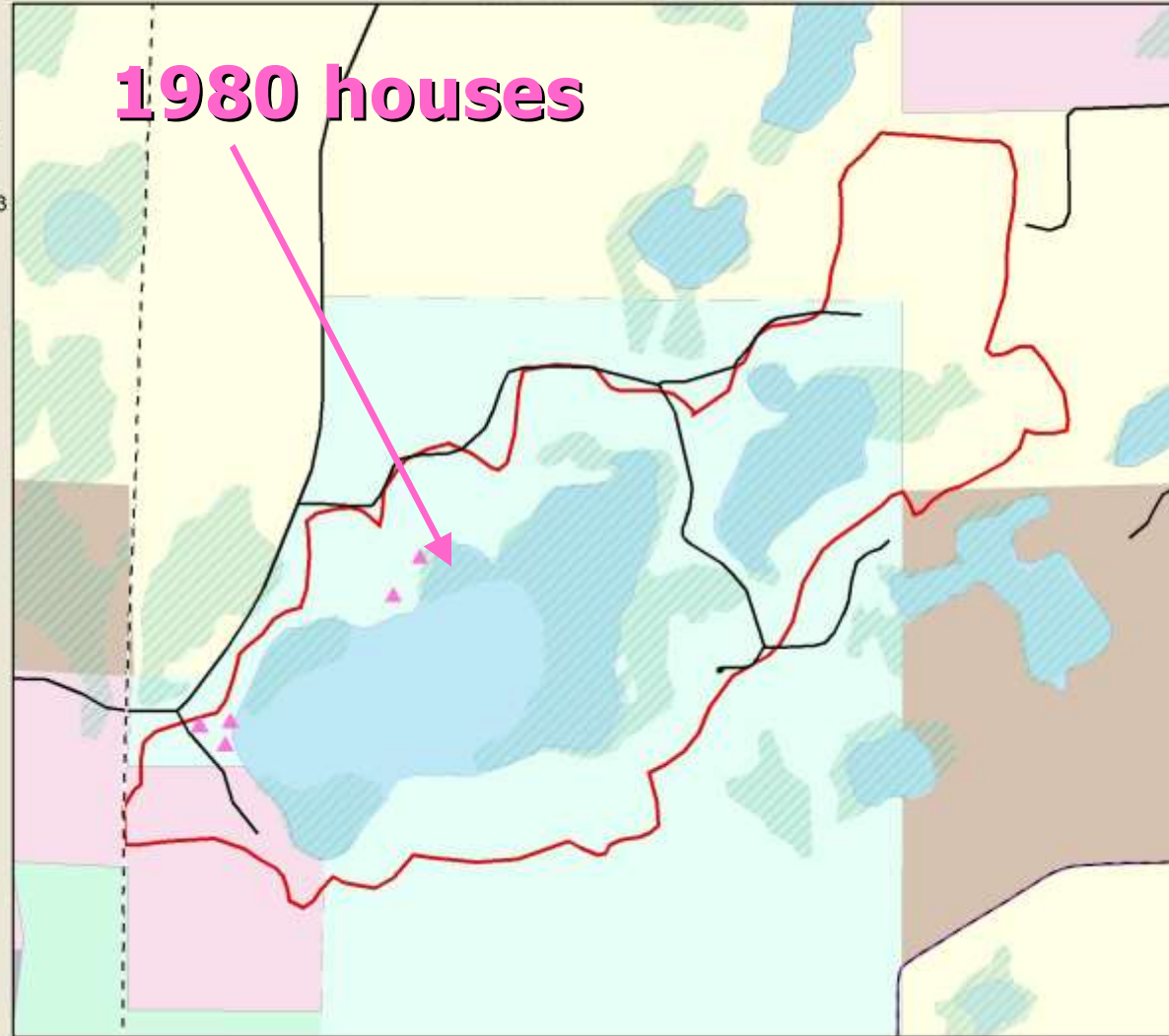
Fremstadt Watershed

Legend

- ▲ clip1980_houses_ws
 - - - state_roads
 - township_roads_2003
 - ▭ fremstadt wspoly
 - ▭ BC_hydro_polygon
 - ▨ wetlands
- ZONING
- ▭ A
 - ▭ A1
 - ▭ A2
 - ▭ RR2
 - ▭ RR3
 - ▭ WW



1980 houses



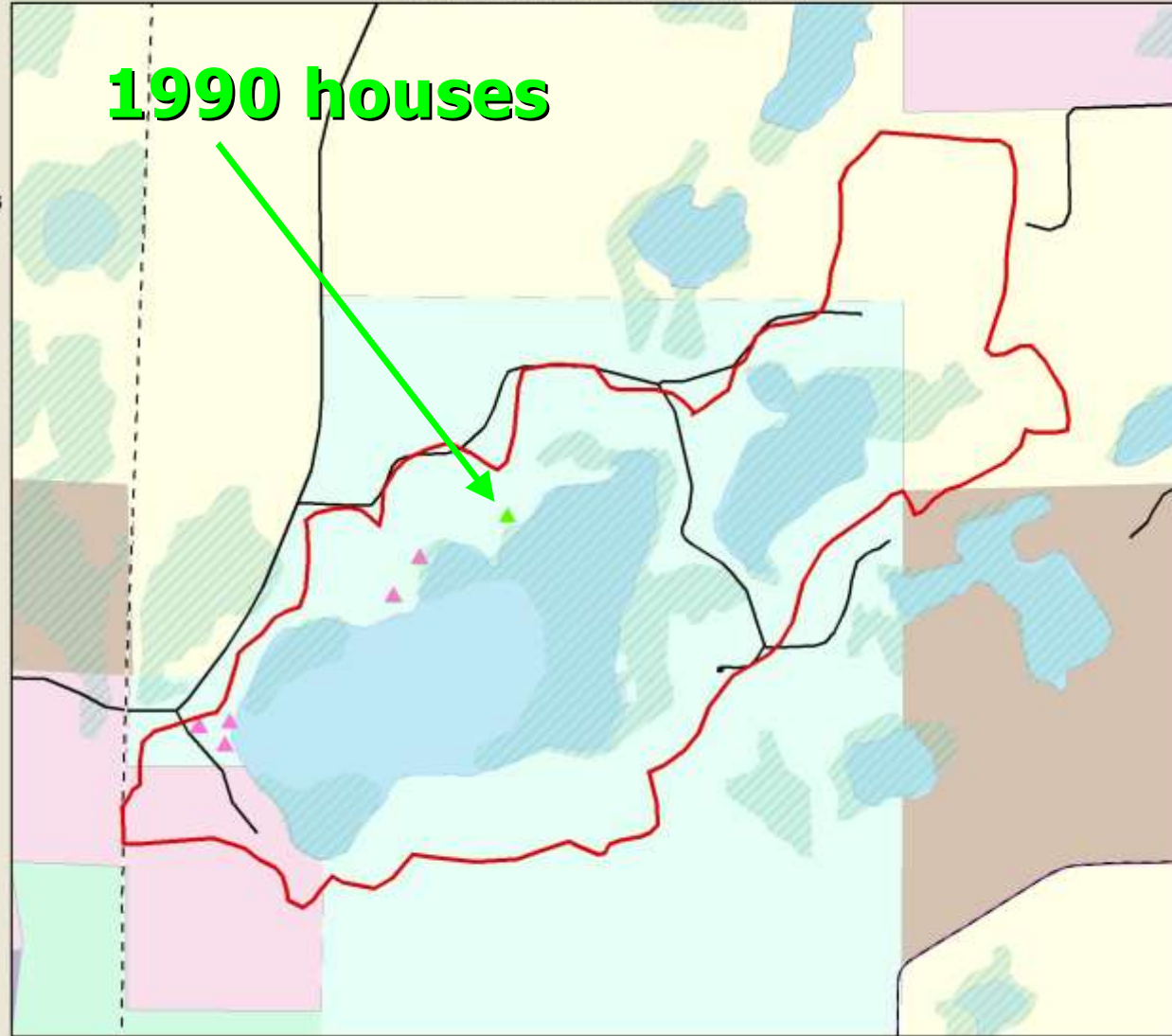
Fremstadt Watershed

Legend

- ▲ clip1980_houses_ws
 - ▲ clip1990houses_ws
 - - - state_roads
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 - ▭ A1
 - ▭ A2
 - ▭ RR2
 - ▭ RR3
 - ▭ WW



1990 houses



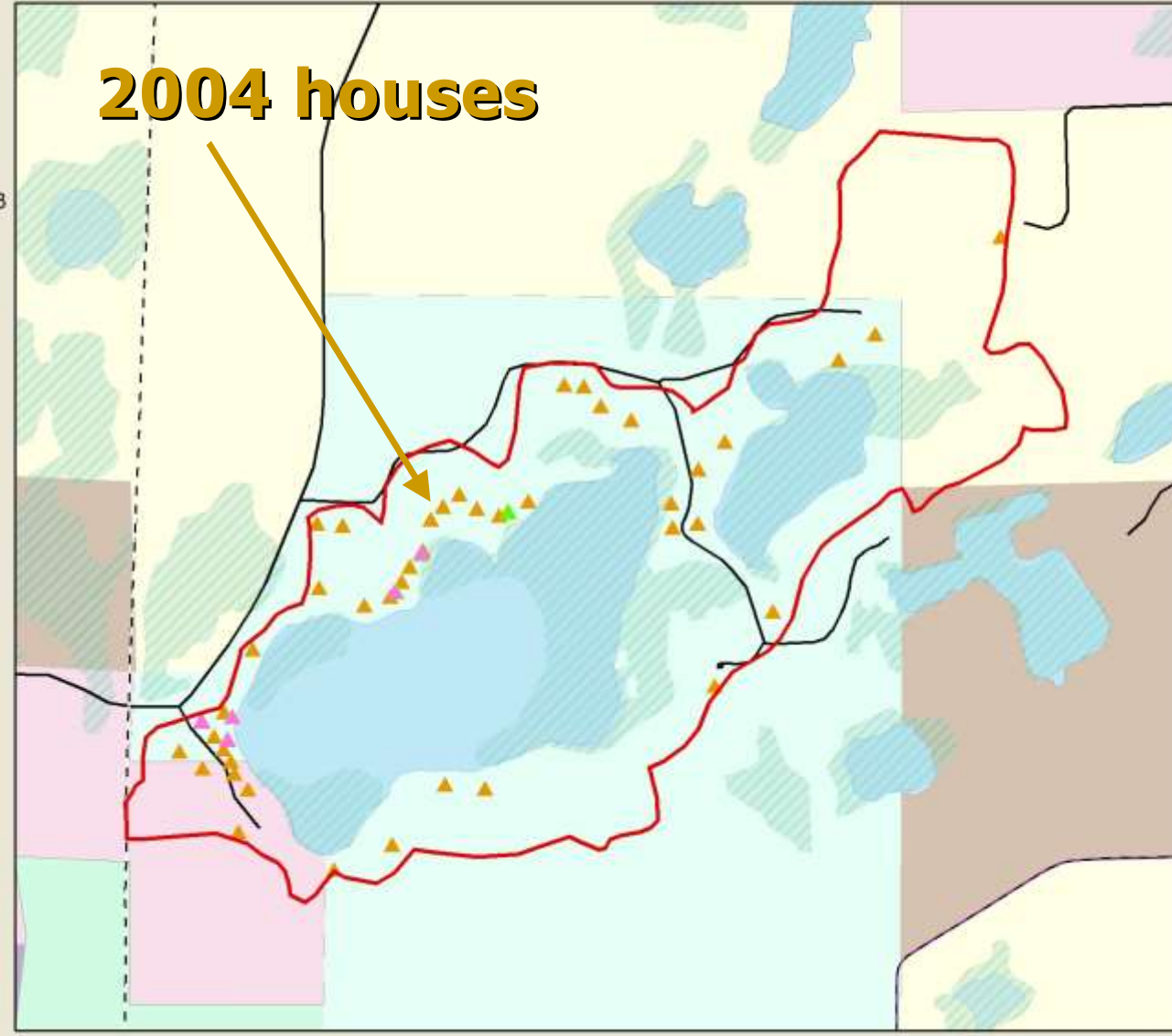
Fremstadt Watershed

Legend

- ▲ clipsiteadd1_ws
- ▲ clip1980_houses_ws
- ▲ clip1990houses_ws
- - - state_roads
- township_roads_2003
- ▭ fremstadt wspoly
- ▭ BC_hydro_polygon
- ▨ wetlands
- ZONING
- ▭ A
- ▭ A1
- ▭ A2
- ▭ RR2
- ▭ RR3
- ▭ WW



2004 houses

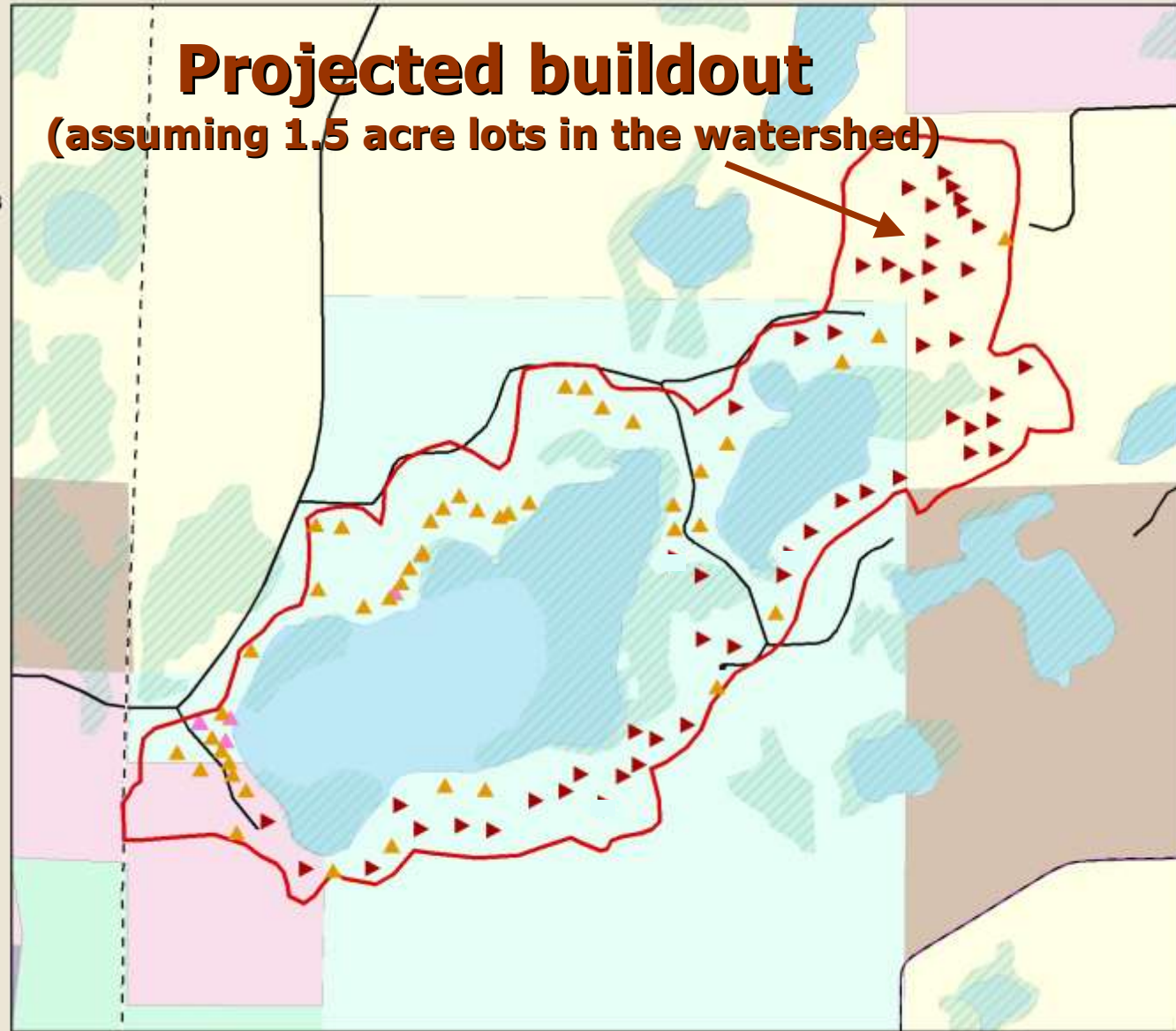


Fremstadt Watershed

- Legend**
- ▲ clip1980_houses_ws
 - ▲ clip1990houses_ws
 - state_roads
 - township_roads_2003
 - ▭ fremstadt wspoly
 - ▭ BC_hydro_polygon
 - ▨ wetlands
- ZONING**
- ▭ A
 - ▭ A1
 - ▭ A2
 - ▭ RR2
 - ▭ RR3
 - ▭ WW



**Projected buildout
(assuming 1.5 acre lots in the watershed)**



THE IMPACT OF WATER CLARITY ON HOME PRICES IN NORTHWEST WISCONSIN

*Chippewa Valley Economic Research Group
August 2016*

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Department of Economics
University of



On Lake Chetac we estimate a an additional 3 feet of water clarity would bring a 10 – 11% improvement in the value of the average property adjacent to the lake. This translates to an increase market value to \$269,400 from \$243,477 on the average property and an additional \$10.4 million in total property valuation. Given the Sawyer County 2015 property tax rate of 1.085% the increased valuation would bring another \$112,800 in annual county property taxes collected.

Table 2	Est Price	Value WQ	Plus 1 ft	Plus 3 ft	Increase Value	% Increase
Lake Chetac	\$243,477	\$64,406	\$74,773	\$90,406	25999.37	10.68
Birch Lake	\$245,878	\$64,406	\$74,773	\$90,406	25999.37	10.57
Balsam Lake	\$579,709	\$94,409	\$100,131	\$109,815	15405.56	2.66
Red Cedar Lake	\$339,264	\$108,575	\$112,860	\$120,400	11825.29	3.49
Long Lake	\$403,642	\$96,899	\$102,339	\$111,615	14716.38	3.65
Sissabagama Lake	\$262,266	\$104,837	\$109,464	\$117,529	12691.74	4.84
Stone Lake	\$330,006	\$147,534	\$149,435	\$153,019	5485.06	1.66
Whitefish Lake	\$532,549	\$120,747	\$124,079	\$130,101	9354.42	1.76
Petenwell Lake	\$282,119	\$41,059	\$57,128	\$78,521	37461.47	13.28
Lake Lucerne	\$406,530	\$143,986	\$146,035	\$149,880	5893.79	1.45
Metonga Lake	\$330,113	\$145,552	\$147,534	\$151,262	5710.04	1.73
Shell Lake	\$284,574	\$124,079	\$127,187	\$132,843	8764.33	3.08
Yellow Lake	\$319,503	\$82,305	\$89,602	\$101,458	19152.62	5.99
Eau Claire (Upper)	\$394,526	\$127,755	\$130,635	\$135,908	8152.59	2.07
Eau Claire (Middle)	\$249,673	\$136,305	\$138,713	\$143,183	6878.45	2.75
Eau Claire (Lower)	\$211,469	\$130,045	\$132,790	\$137,836	7791.66	3.68
Butternut Lake	\$173,815	\$57,803	\$69,568	\$86,748	28945.16	16.65
Devil's Lake	\$385,714	\$128,551	\$131,383	\$136,576	8025.53	2.08
Round Lake	\$393,790	\$139,045	\$141,557	\$145,774	6478.13	1.65
Lake Nebagamon	\$287,477	\$83,476	\$90,604	\$102,236	18760.53	6.53
Big Sand Lake	\$343,667	\$107,393	\$111,783	\$119,486	12093.54	3.52
Combined	\$335,126	\$116,564	\$120,198	\$126,710	10145.91	3.03

Natural Shorelines Program Components

- 💧 **Technical Assistance**
- 💧 **Financial Assistance**
- 💧 **Shoreline Incentives**
- 💧 **Education and Outreach**

Technical Assistance



- 💧 Site Visits
- 💧 Landscape Design
- 💧 Planting Information
- 💧 Trained Landscapers

ELIGIBLE SITES

- ✓ Natural Shoreline Intact
- ✓ Restoration Completed Voluntarily
- ✓ Restoration Completed for
Land Use Permit



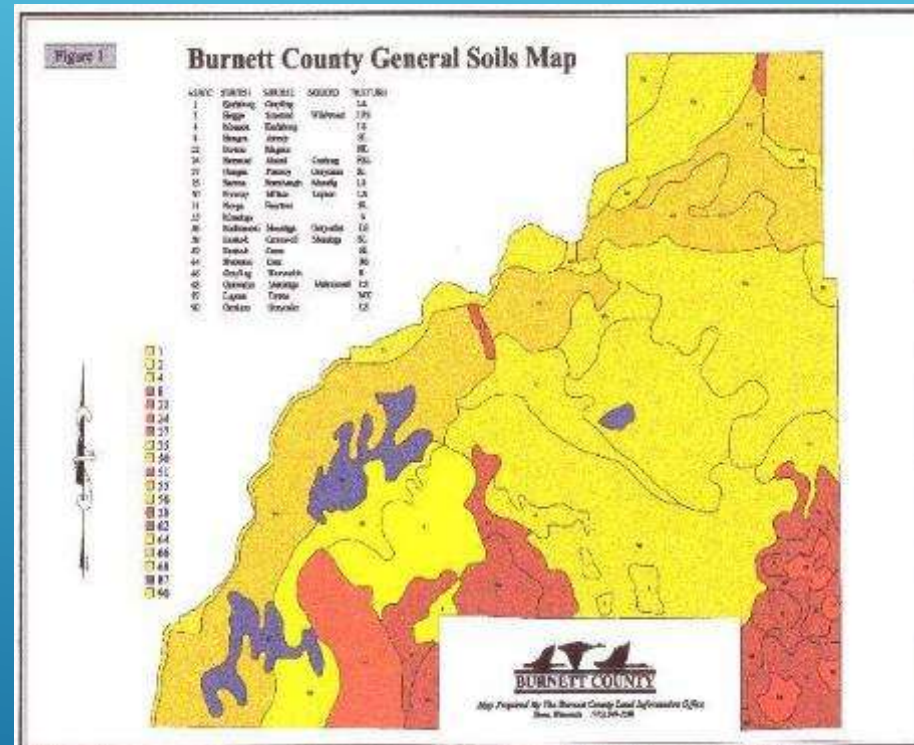
ELIGIBLE SITES

- ✓ Natural Shoreline Intact
- ✓ Restoration Completed Voluntarily
- ✓ Restoration Completed for
Land Use Permit



Special Considerations

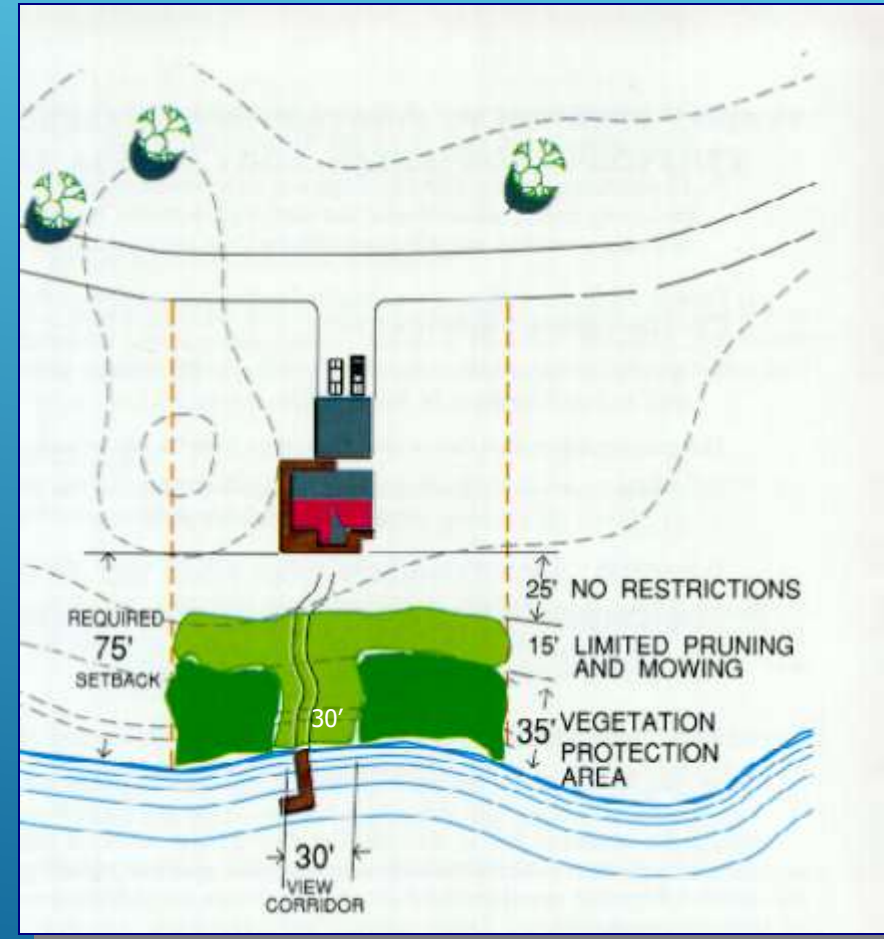
- **Very Sandy Soils**
 - Extremely dry
 - Prone to erosion
- **Seepage Lakes**
 - Water level fluctuations
- **Pine Forest**
 - Limited flora



BUFFER DIMENSIONS

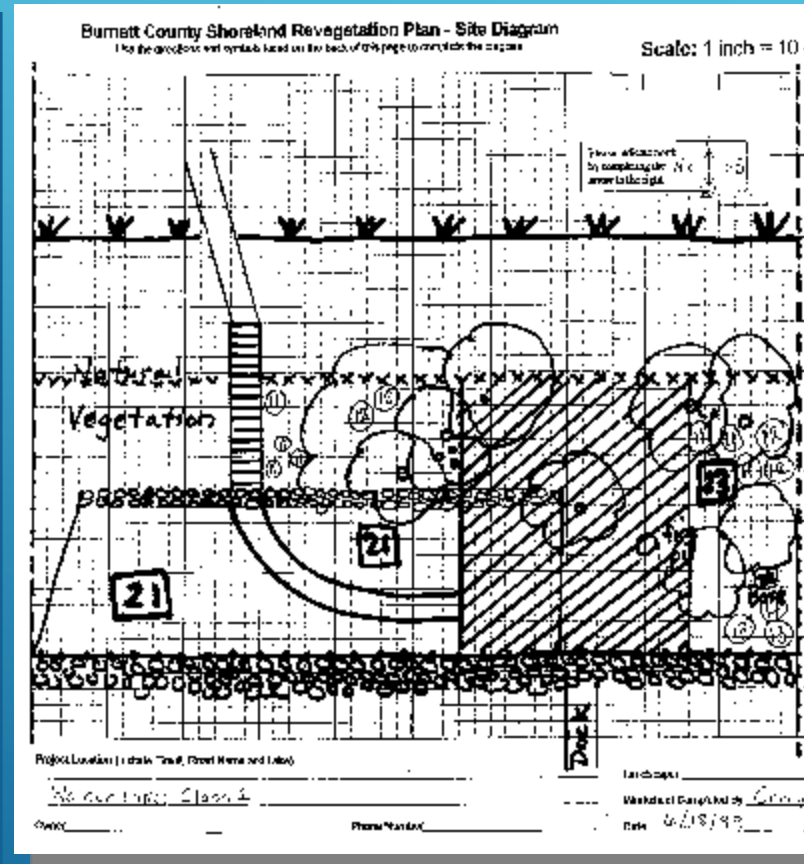
Vegetation Protection Area

- 25 feet < required setback
- 35 feet = no touch
- 30 foot viewing corridor



Site Plan Development

- ✓ Site Visit
- ✓ Base Map
- ✓ Standards Followed
- ✓ Plan Elements
 - Site map w/planting recs.
 - Narrative instructions
 - Landowner guide



EDUCATION/INFORMATION



Shoreline Buffer Restoration *Demonstration Site*



**Native Plantings for Clean Water,
Improved Habitat, and Natural Beauty**

For Information:

**Burnett County Land and Water Conservation
Department**

715-349-2109

Shoreline Incentives

Participants Receive

- 💧 *Shoreline Protection Shirt*
- 💧 *Participation Sign*
- 💧 *Monetary Incentives*

\$250 Enrollment Payment

\$50 Annual Property Tax Credit



NATURAL SHORELINES
Burnett County, WI

NATURAL SHORELINES
Burnett County, WI

NATURAL SHORELINES
Burnett County, WI

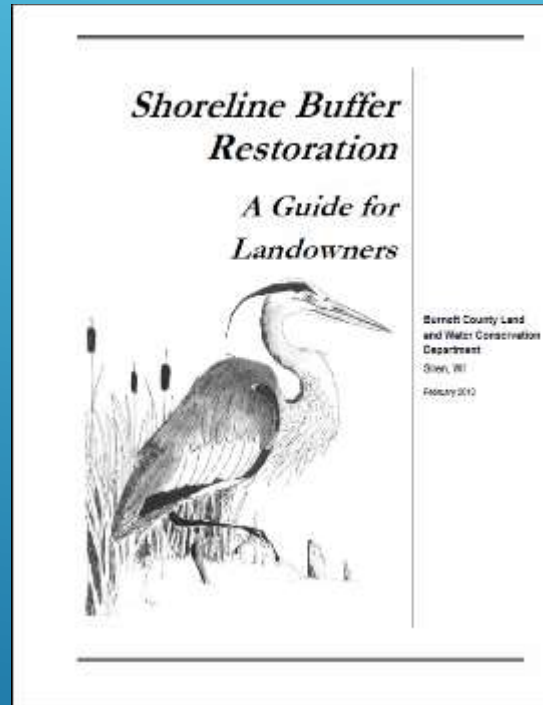
NATURAL
SHORELINES
BURNETT COUNTY, WI

Preserved Natural Shoreline



For Information:
Burnett County Land and Water
Conservation Department
715 310 2106

RESOURCES



SIP SURVEY Q&AS

- ▶ How did you hear about Burnett County shoreline incentives?
News articles, word of mouth, neighbors, lake presentations.
- ▶ Do you feel that establishing or maintaining a buffer zone on your property improves the water quality of the water body? enhances the beauty of the property?.... increases its economic value? Yes, Yes, and Yes (but not as many)
- ▶ Please choose the 3 most important reasons why you have (or would) establish a shoreline buffer zone on your property.
Water Quality, Habitat, Prevent Erosion, Environmental Commitment, Aesthetics

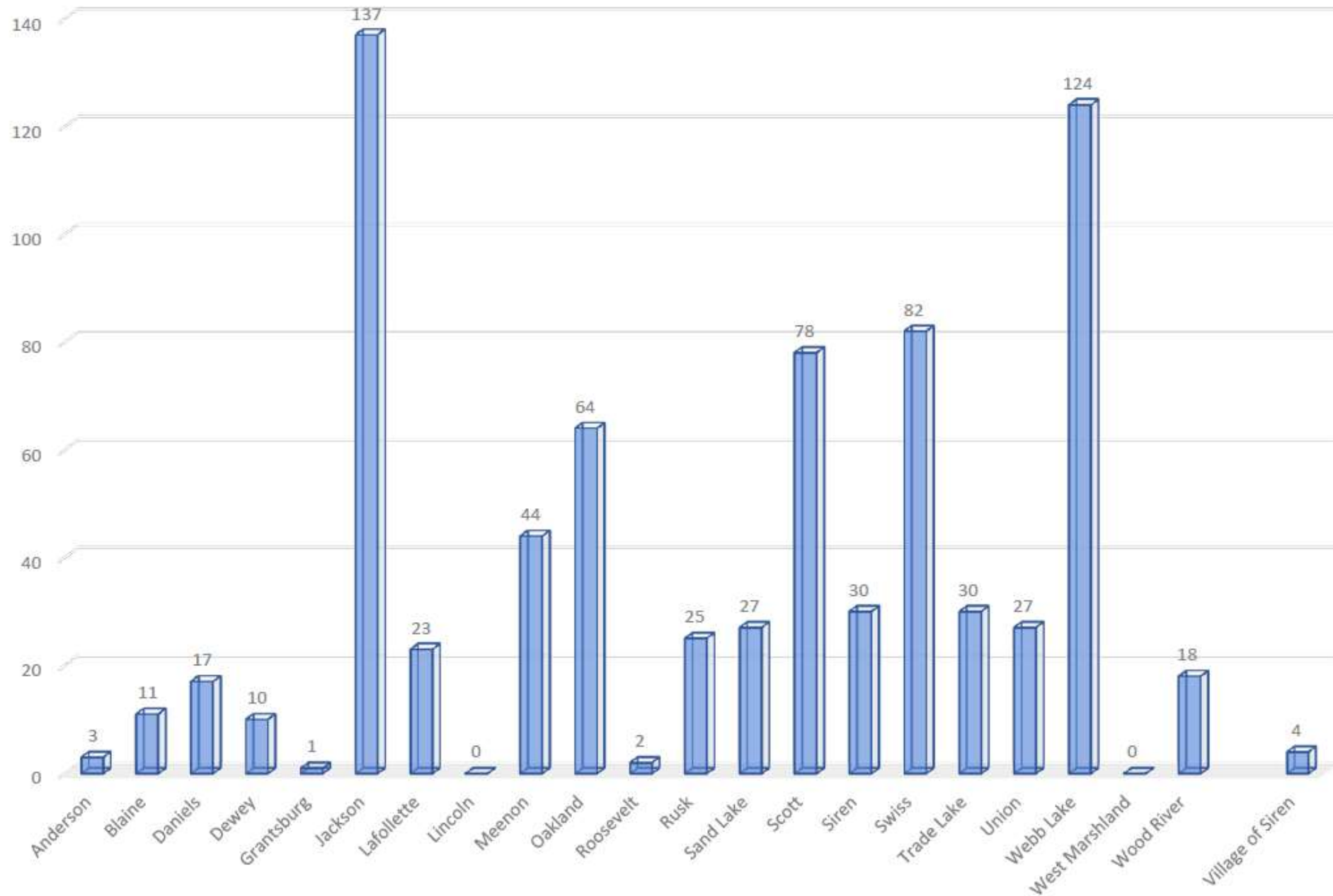
SURVEY CONT...

- ▶ Which of the following incentives have been (or would be) the most important in motivating you to participate in the Burnett County Natural Shoreline Program? Tax Credit, then C/S and Cash, Trinkets
- ▶ If you have not (or are not) going to participate in this program, why not? Buffer Depth, Cost Too much, not enough Tax Credit.

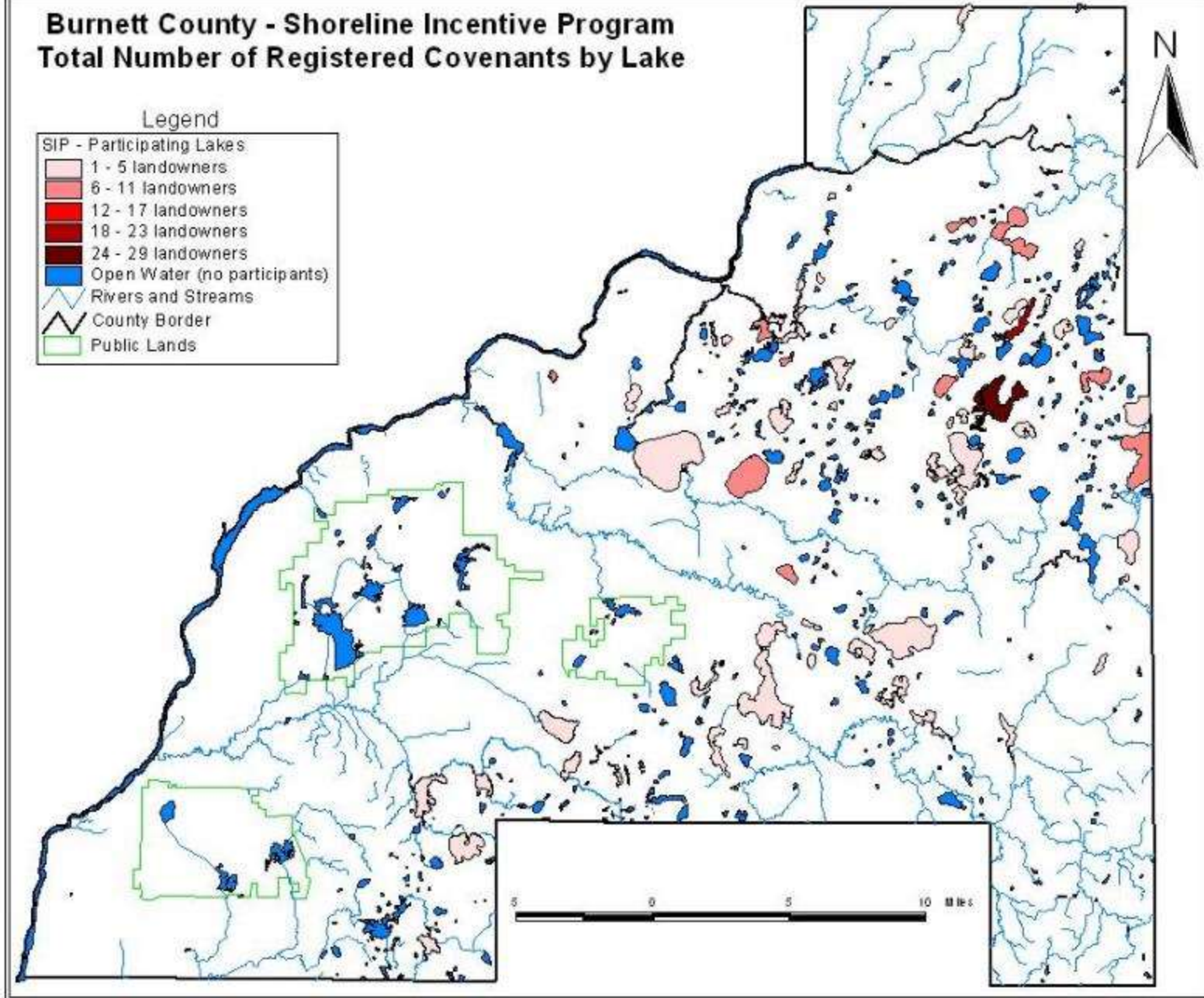
▶ The property tax **credit**-----

▶ is now a property **tax refund**...

SHORELINE INCENTIVE COVENANTS BY MUNICIPALITY as of 1/1/2019



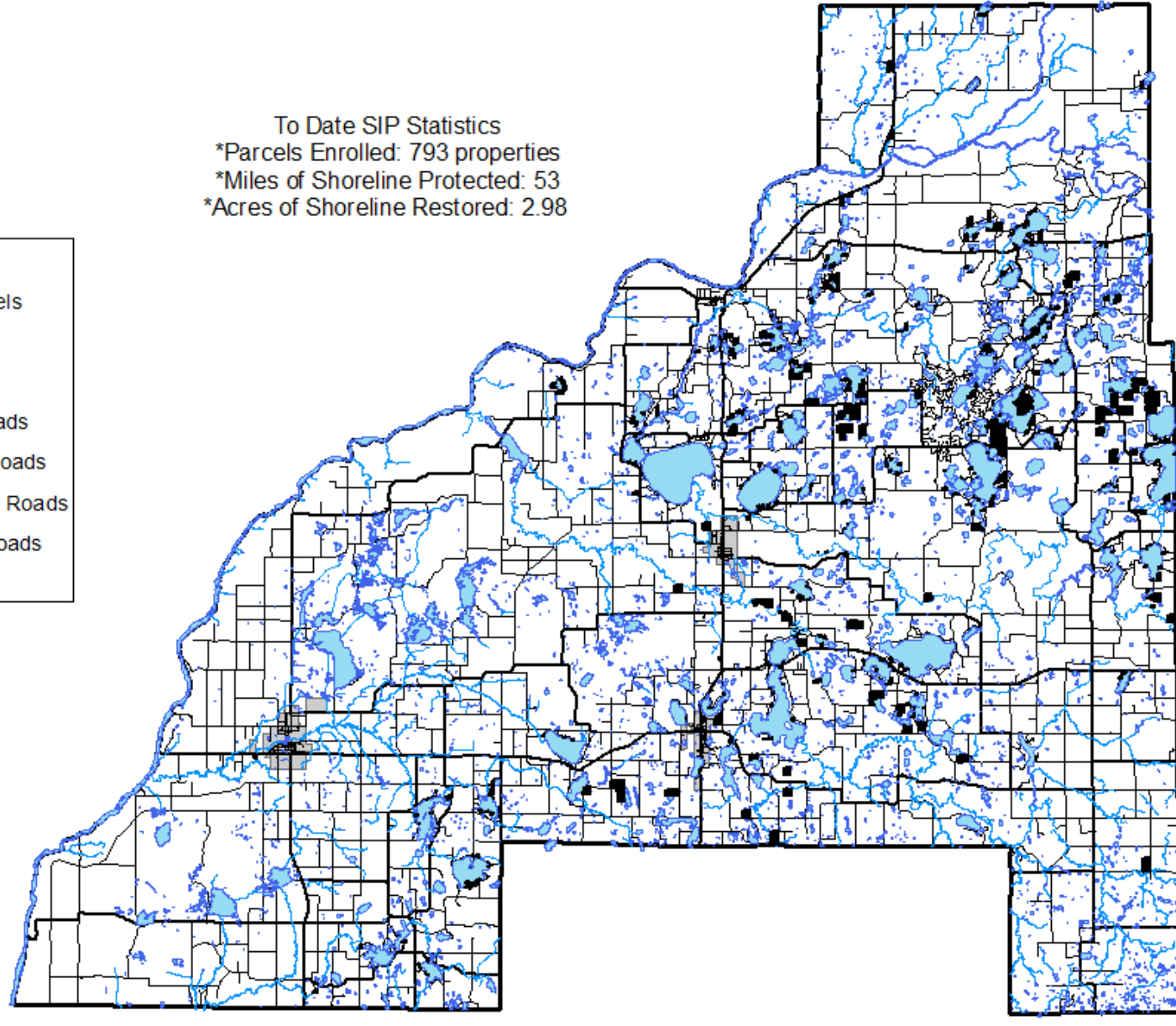
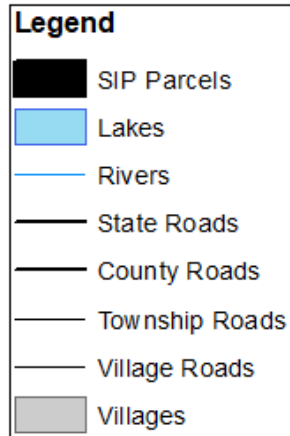
Burnett County - Shoreline Incentive Program Total Number of Registered Covenants by Lake



Parcels Enrolled in Burnett County Shoreline Incentive Program (SIP)

Map Created By: BC LWCD Water Resources Specialist


To Date SIP Statistics
*Parcels Enrolled: 793 properties
*Miles of Shoreline Protected: 53
*Acres of Shoreline Restored: 2.98



ISSUES/CHALLENGES

- Time commitment
- Long-term follow-up – new owners
- Ongoing funding
- Large lots – length and depth of buffer
- Runoff control

ENFORCEMENT ISSUES

- Initial Documentation of Sites
 - Follow-ups: change of ownership, annual spot checks
 - Compliance
- 

HOW THE PROGRAM EVOLVED...

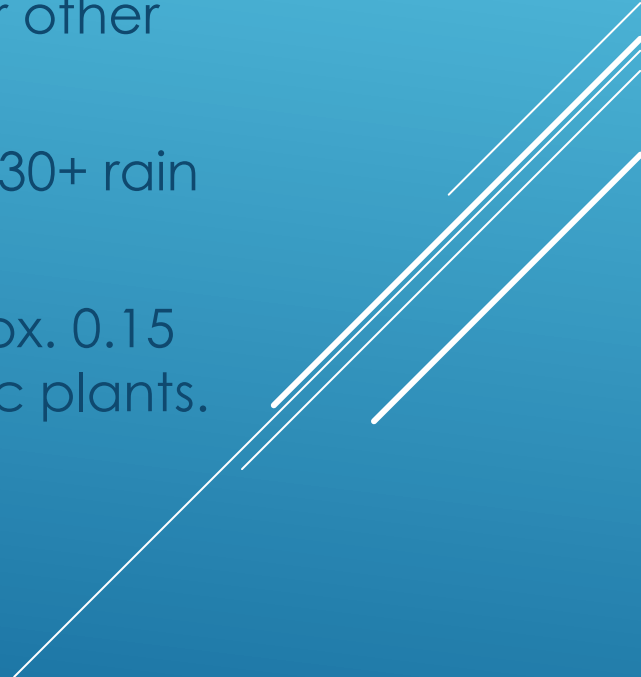
We send reminders to new land owners about the program that their property is in.

Site inspection are done on enrolled parcels. Try to do 10%/ year.

Started doing runoff control practices because we observed runoff is a significant issue on lake properties. it was good for the lake and it makes the buffer more successful.

The latest edition also includes the utilizing the Shoreline and Shallows Evaluation Tool on selected lakes.

NUTRIENT REDUCTION

- ▶ We're working w/ Prof. McGinley (UWSP) on developing the reduction in Phosphorous annually from buffers.
 - ▶ Once we get a number we can then track the pounds of phosphorous reduced annually via our tracking system or other data sets.
 - ▶ We've done approx. 20+ infiltration systems and approx. 30+ rain gardens since they were added to the program.
 - ▶ An individual practice will reduce runoff P levels by approx. 0.15 pounds per year. Remember- 1lb. of P= 500 lb. of aquatic plants.
- 
- A decorative graphic consisting of several parallel white lines of varying lengths, slanted diagonally from the bottom right towards the top right, located in the lower right quadrant of the slide.

ON-THE-GROUND RESULTS



- ✓ Shoreline Length Preserved = 53.33 miles
- ✓ 796 Parcels- Approx. 8.7% of all waterfront parcels
- ✓ Shoreline Area Restored = 3.06 acres



QUESTIONS?