

Healthy Lakes Planning Workshop



Wisconsin Lake Partnership Convention

5 April 2017



Agenda

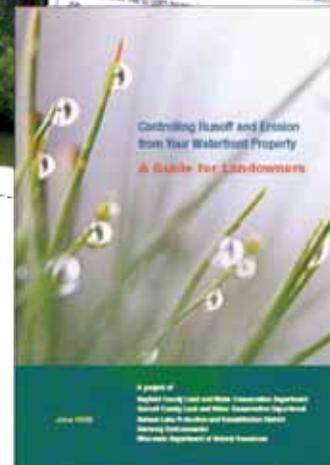
- **Welcome** – introductions with goals, resources
- **Healthy Lakes Overview** - with examples of sites that are *not* appropriate for these projects
 - **5 Best Practices** – fish sticks, 350ft² native plantings, diversion, rock infiltration, rain gardens
 - **Healthy Lakes Grants** – application & administration
- **Planning Tools** – how to prepare for Healthy Lakes projects
- **Habitat: DNR's Shoreland Habitat Inventory**
- **People: Social Surveys, Messaging, One-on-One, and More**
- **Site Specific: Decision Tool: Managing Runoff with Healthy Lakes Best Practices**
- **Site Specific: 350 ft² Native Planting Guidance**



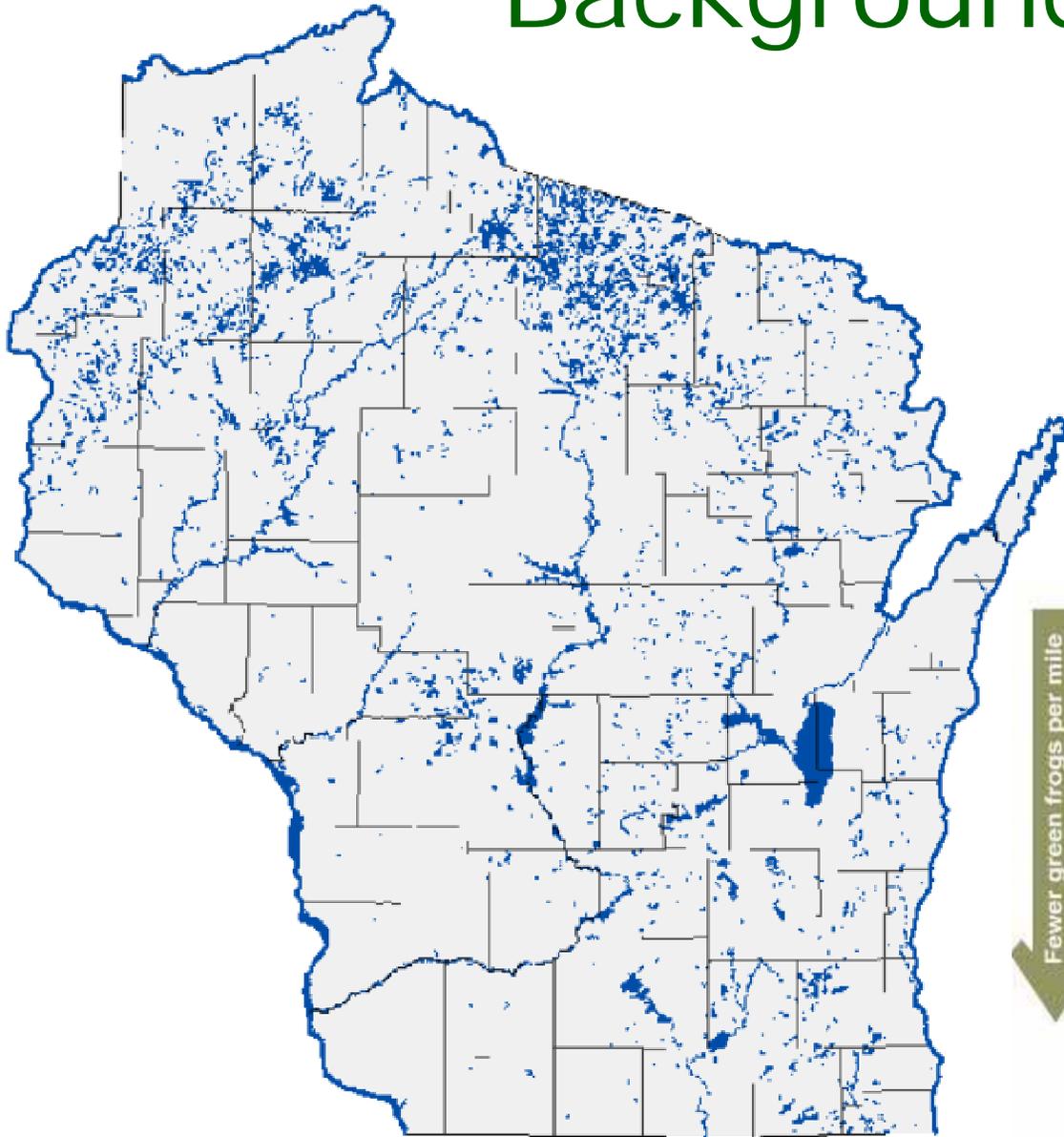


RESOURCES

- www.healthylakeswi.com
- Professional Shoreland Habitat Training (UW-Extension)
- Future workshops – **we're here to help!**



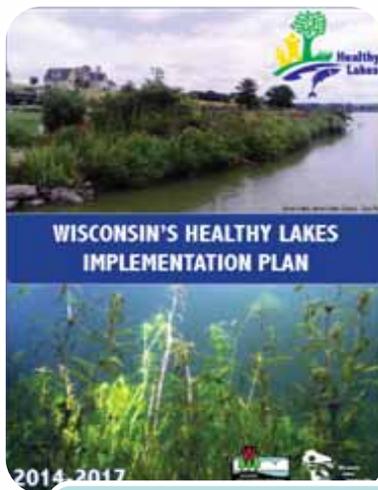
Background





Wisconsin's 2014-2017 Healthy Lakes Implementation Plan

Goal: protect and improve the health of Wisconsin lakes by increasing lakeshore property owner participation in habitat restoration and runoff and erosion control projects.



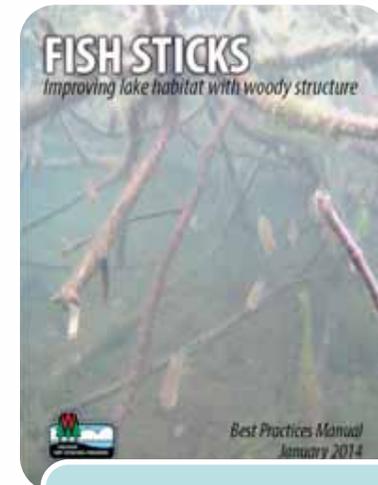
Statewide Plan

- Implementation focus



Fact Sheets

- 5 Best Practices
- Funding & Admin FAQs



Technical Guidance

- More project installation detail

Wisconsin's 2014-2017 Healthy Lakes Implementation Plan



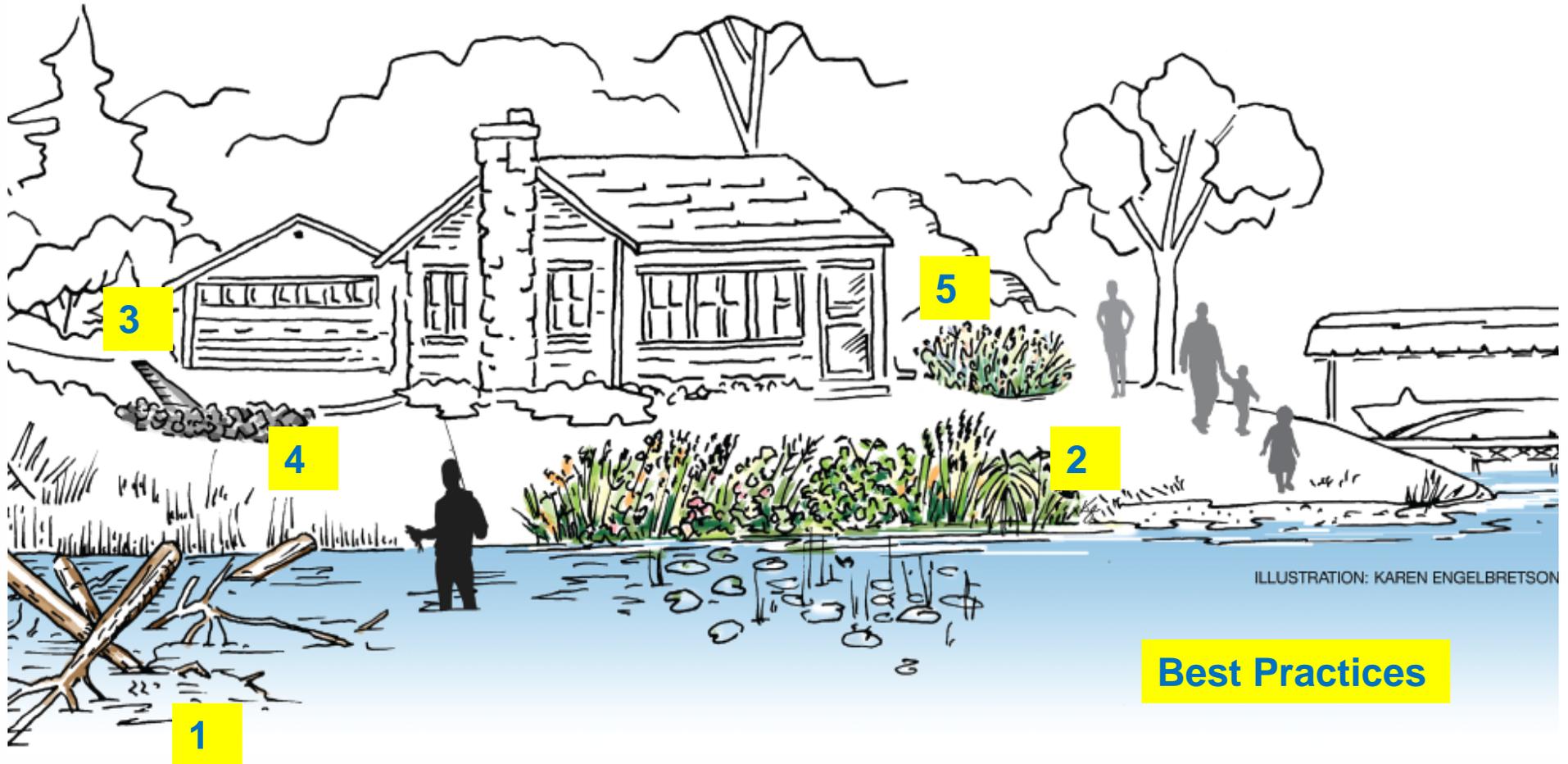
Green Lake, Green Lake County (Lisa Reas)

Wisconsin's 2014-2017 Healthy Lakes Implementation Plan



Healthy Lakes project participation is voluntary. ⁹

Healthy Lakes Best Practices



Healthy Lakes isn't for everyone or everywhere.

Not intended for complex sites where engineering design/review needed

[Managing Runoff - Design Tool](#)

Seek Engineering Assistance When...

- Construction occurs on slopes >20%.
- More than 20,000 square feet are cleared.
- More than two acres drains to an eroded area.
- Severe gully erosion (at least one foot deep) is present.
- You are not comfortable implementing solutions on your own.

NOT for steep slopes



NOT for largely cleared parcels



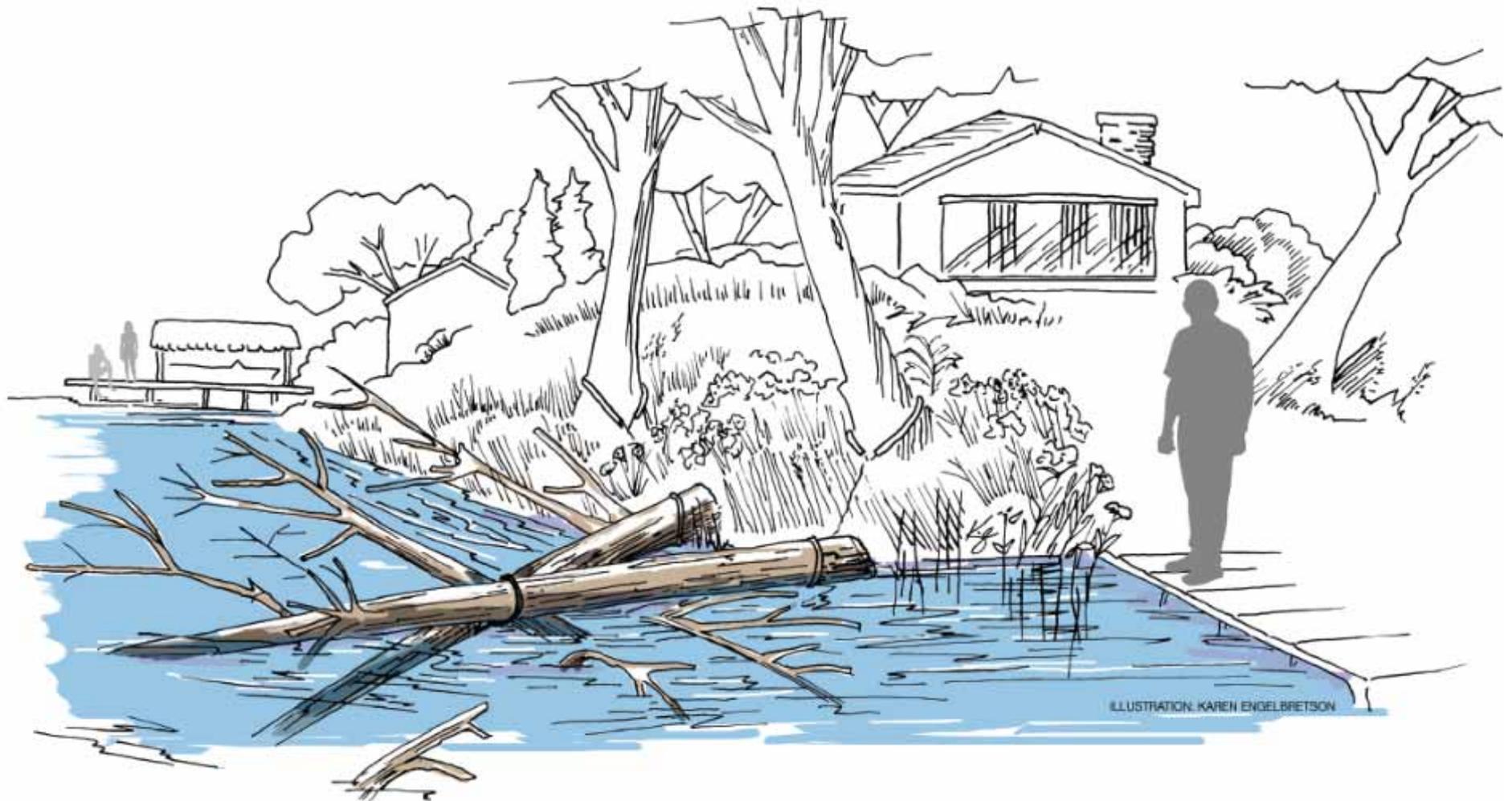
NOT for >2 acres draining to eroded area



NOT for severe gullies



Practice #1: Fish Sticks



Practice #1: Fish Sticks



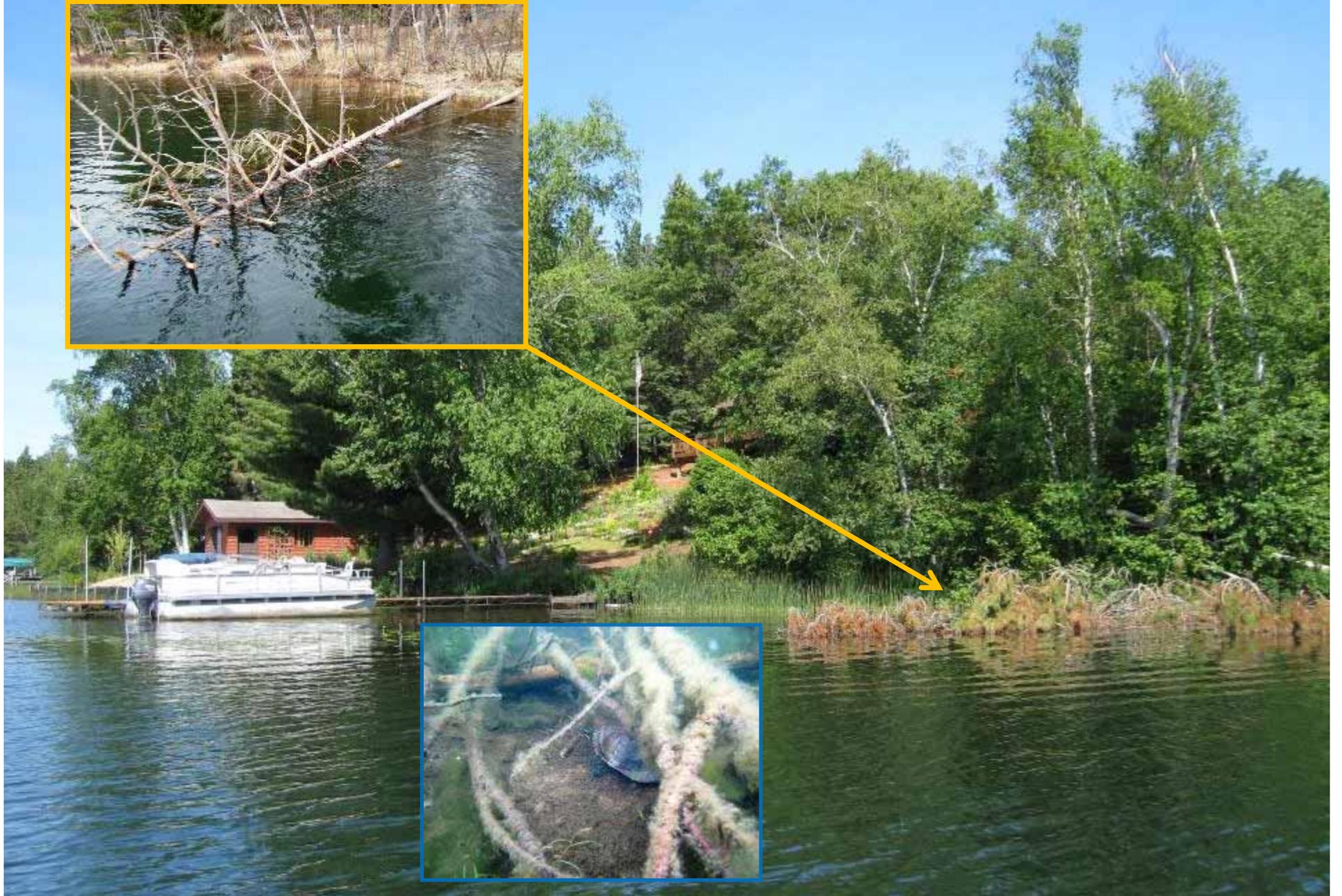
Pewaukee Lake, Waukesha County (Tom Koepp)

- Commit to no-mow or 350 ft² native planting at the base





5 BEST PRACTICES



5 BEST PRACTICES



HABITAT STRUCTURE – FISH STICKS

General Permit Application Checklist

<http://dnr.wi.gov/topic/waterways/documents/PermitDocs/GPs/GP6-FishSticks.pdf>

State of Wisconsin
Department of Natural Resources
dnr.wi.gov

HABITAT STRUCTURE – FISH STICKS
General Permit Application Checklist
(11/2013)

GENERAL PERMIT APPLICATION INSTRUCTIONS

To apply for this General Permit, submit all of the required information listed below. A complete submittal with detailed plans will allow us to make a decision about your permit application. Permit processing review times begin when the application is received by the Department and is determined to be complete.

Please note that you are responsible for obtaining all necessary local (e.g. city, town, village or county) and U.S. Army Corps of Engineer permits or approvals in addition to any applicable state permits prior to commencing any work at the project site.

The Department offers the opportunity to apply electronically for all waterway and wetland permits. The Water Permits portal page can be found at <http://dnr.wi.gov/Permits/Water/>

Informational Requirements:

1. **Application form.** A complete, signed application form "Water Resources Application for Project Permits (WRAPP)" (Form# 3500-53) <http://dnr.wi.gov/files/PDF/forms/3500/3500-053.pdf>.
2. **Application fee.** Checks should be made payable to "Wisconsin DNR." A list of fees can be found at <http://dnr.wi.gov/topic/waterways/Permits/PermitProcess.html>.
3. **Site maps** which clearly illustrate the location and perimeter of the project site, and its relationship to nearby water resources (e.g. lakes, rivers, streams, wetlands), major landmarks and roads.
4. **Photographs** that clearly show the existing project area. Remember that too much snow cover or vegetation may obscure important details. If possible, have another person stand near the project area for size reference.
5. **Project plans and specifications** reflecting the General Permit Eligibility Standards as listed in the project-specific checklist below. If your project does not meet all of the eligibility standards, you will need to apply for an Individual Permit.
6. **Electronic documents.** If you are applying on paper, all documents listed above must also be submitted in an electronic format, either by enclosing a disk with your application materials, providing a link to an ftp site, or by other electronic methods. If possible, please create a separate file for each component of the application (i.e., forms, photos, maps, plans, etc.). Each file must be less than 15 megabytes in size, and the total size of the files combined must be less than 30 megabytes.

If you are applying electronically, you may be prompted for some of these items separately during the electronic submittal process.

Don't Forget!

Additional Requirement:

1. An applicant who applies for coverage under this general permit for the placement of fish sticks must **indicate** in the application materials **whether you will allow**, as part of your permit coverage, to let **new fish sticks sites on the same lake to be afforded coverage under your general permit at a later date** with no additional fee required.

NEWSFLASH:

Permitted Fish Sticks structures are immune from civil lawsuits, thanks to recent legislation initiated by Rhinelander area lake groups!

The screenshot shows the top portion of a news article on the Wisconsin Law Journal website. At the top left is the 'Wisconsin Law Journal' logo. To the right is the 'DAVIS | KUELT attorney' logo. Below these is a navigation bar with links for 'NEWS', 'CASE DIGESTS', 'VERDICTS & SETTLEMENTS', 'JUDGES DIRECTORY', and 'COURT CA'. The article title is 'Walker signs bill providing immunity for 'fish sticks' projects'. The byline reads 'By: Dan Shaw, dan.shaw@wislawjournal.com' with a timestamp of 'March 3, 2016 5:27 pm'. The first sentence of the article is 'A law Gov. Scott Walker signed this week provides immunity from civil liability for damage caused by structures used to protect and cultivate fish and wildlife in waterways and wetlands.'

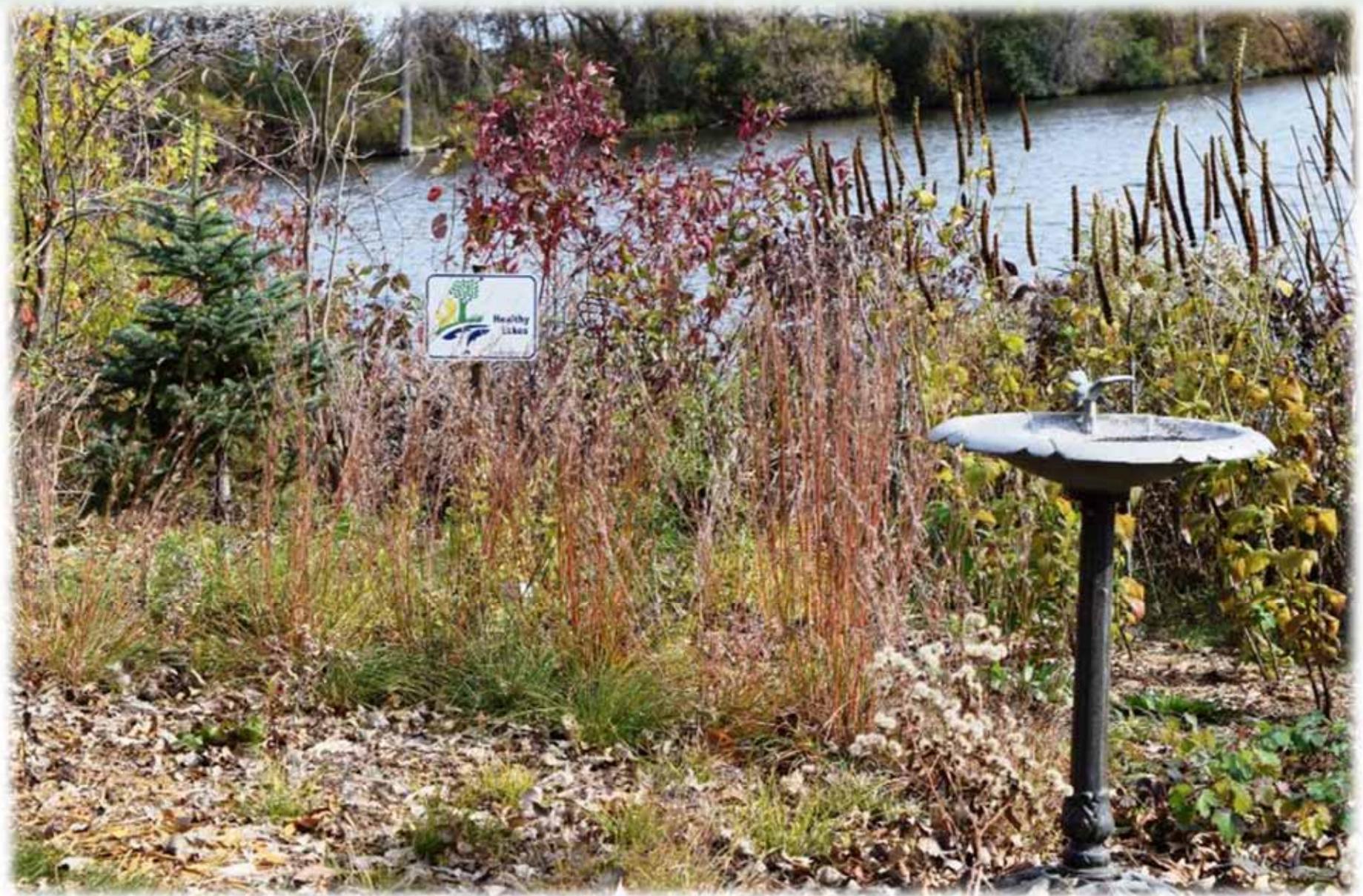
Practice #2: 350 ft² Native Plantings



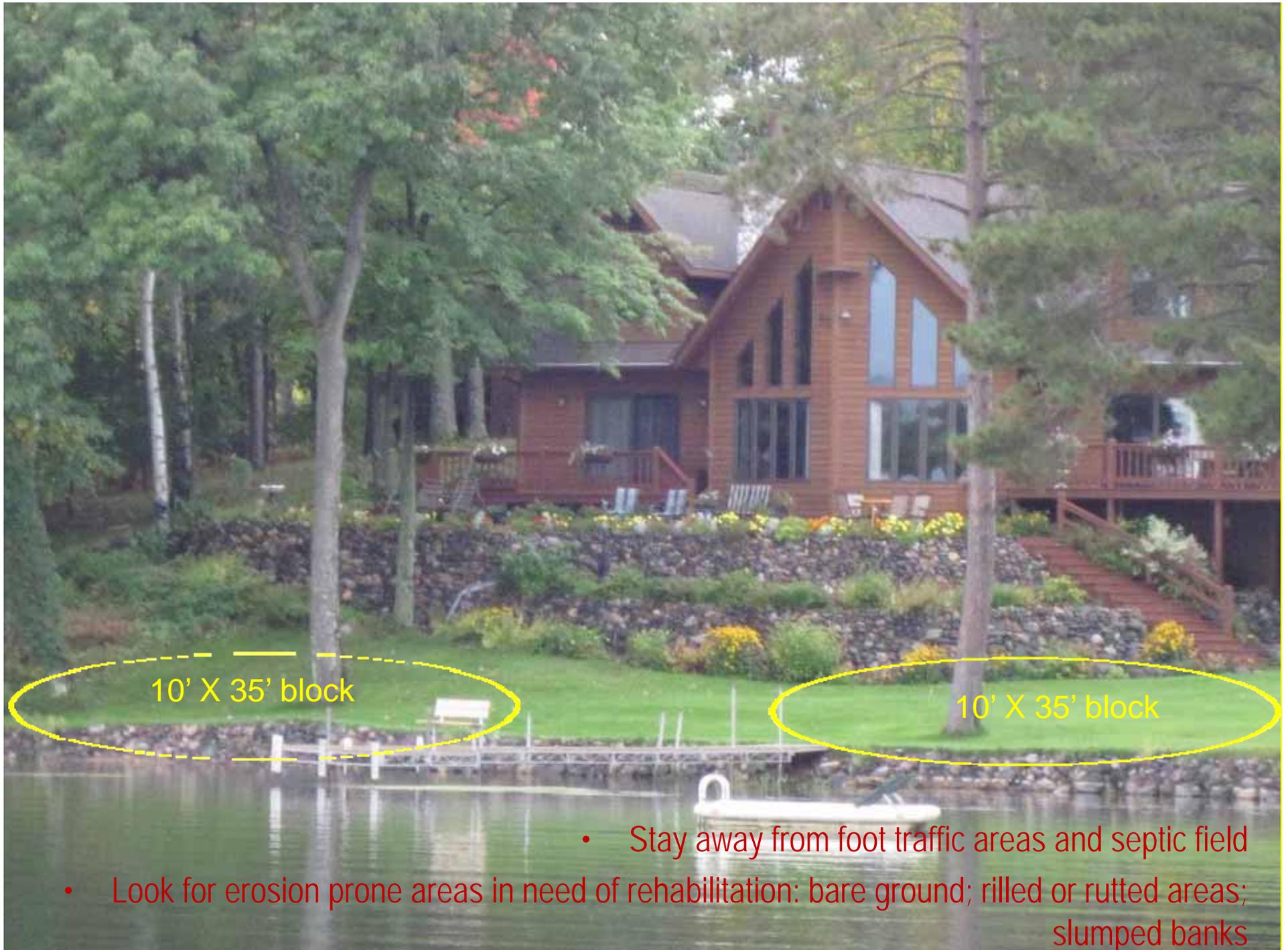
(Robert Korth)

- 350 contiguous ft² at least 10 feet wide
- One 350 ft² native planting per property per year

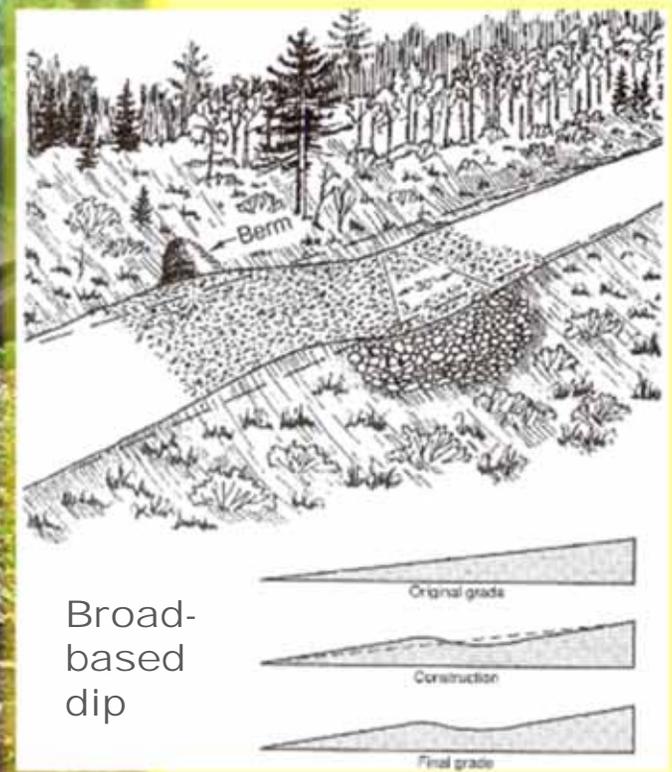




Beaver Dam Lake, Dodge County

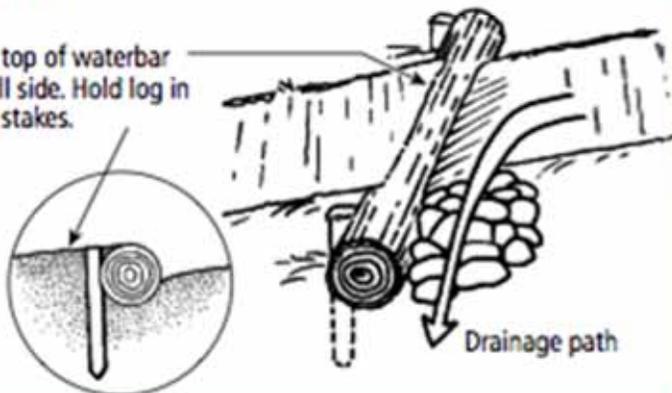


Practice #3: Diversion



Log waterbar

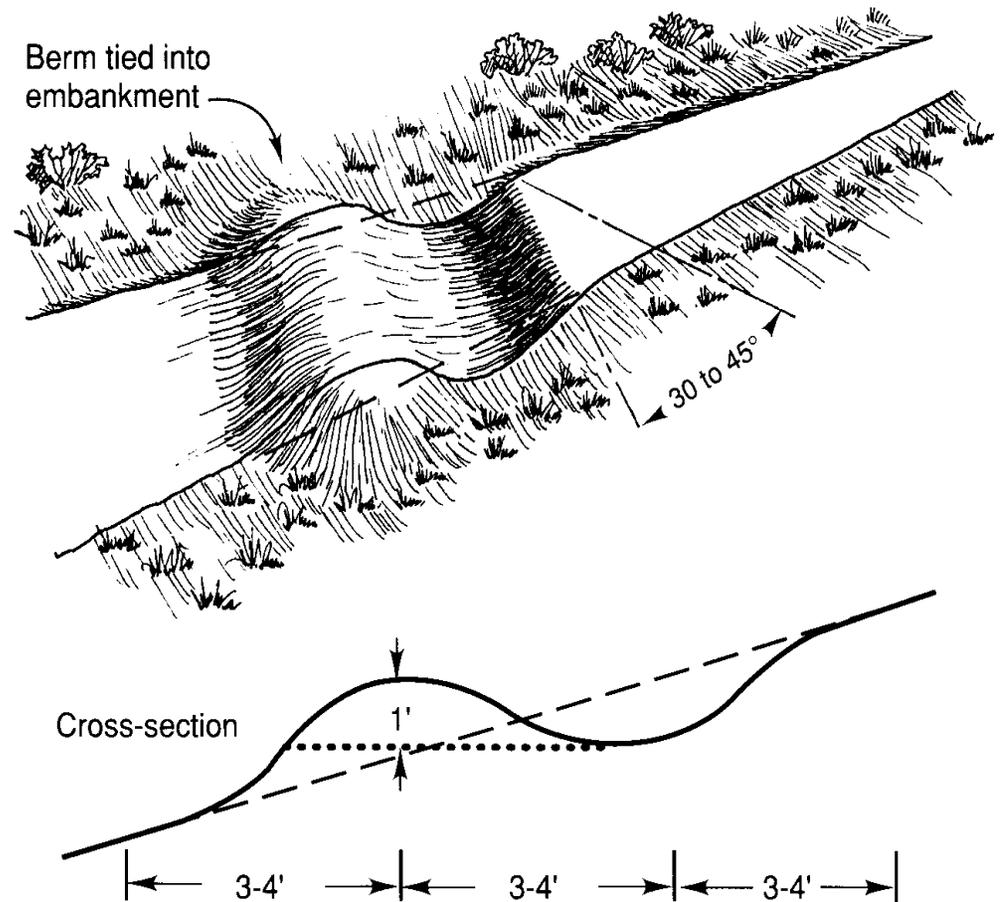
Pile soil to top of waterbar on downhill side. Hold log in place with stakes.



(<http://awwatersheds.org/>)

Pathway and Driveway Diversions

- ☞ Broad Dip
- ☞ Water Bars

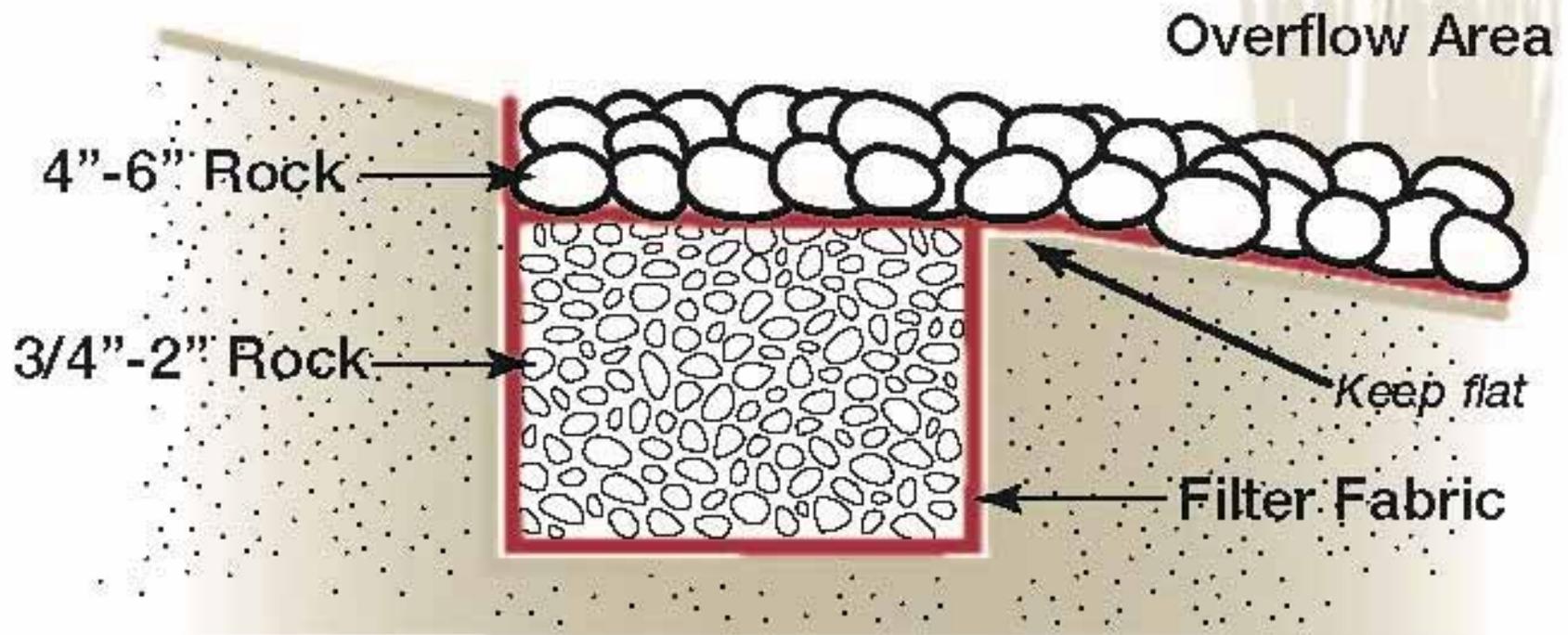


Practice #4: Rock Infiltration



5 BEST PRACTICES





Practice #5: Rain Garden



Shell Lake, Washburn County (Brent Edlin)

5 BEST PRACTICES





Nagawicka Lake, Waukesha County

Healthy Lakes Grants

- Annual deadline February 1
- \$25,000 state cap with up to 10% of it for technical assistance and project management
 - 75/25% state/sponsor match – reimbursement grant
 - Eligible sponsors, including qualified lake associations, lake districts, counties and other local government units, may apply on behalf of multiple landowners
 - Standard **2-year** grant agreement
- Each best practice capped at \$1000 state share
- 10-year contract with standard operation & maintenance details described in grant agreement
 - Grant sponsor develops and administers contract that landowner signs
- Self-reporting or site visits on 10% of projects annually

Save... Print... Clear Data Submit by Email

State of Wisconsin
 Department of Natural Resources
 PO Box 7921, Madison WI 53707-7921
 dnr.wi.gov

Surface Water Grant Application Lake Management Planning, Lake Protection & Classification, River Protection, River Planning, Aquatic Invasive Species (AIS) Control

Form 8700-284 (9/14) Page 1 of 4

Notice: Use of this form is required by the Department of Natural Resources for any application filed pursuant to chs. NR 190,191,195 & 198, Wis. Adm. Code. Personal Information collected on this form, will be used for administrative purpose and may be provided to requesters to the extent required by Wisconsin's Open Records Laws [ss.19.31 – 19.39 Wis. Stats.]

[General application instructions for sections 1-7.](#)

Section 1: Application Type (check one)

Application Deadlines:

<p>DECEMBER 10</p> <p>Lake Management Planning Grant:</p> <p><input type="radio"/> Large Scale Planning <input type="radio"/> Small Scale Planning</p> <p>Lake Protection Grant:</p> <p><input type="radio"/> Lake Classification & Ordinance Development</p> <p>Aquatic Invasive Species Grant:</p> <p><input type="radio"/> Education, Prevention & Planning</p> <p><input type="radio"/> Clean Boats Clean Water Form 8700-337</p> <p>River Protection Grant:</p> <p><input type="radio"/> River Planning</p> <p>YEAR-ROUND:</p> <p>Aquatic Invasive Species Grants:</p> <p><input type="radio"/> Early Detection & Response <input type="radio"/> Maintenance & Containment Form 8700-323</p>	<p>FEBRUARY 1</p> <p>Lake Protection Grant:</p> <p><input type="radio"/> Land/Easement Acquisition</p> <p><input type="radio"/> Wetland & Shoreline Habitat Restoration</p> <p><input type="radio"/> Lake Management Plan Implementation</p> <p><input type="radio"/> Healthy Lakes Project</p> <p>Aquatic Invasive Species Grant:</p> <p><input type="radio"/> Established Population Control</p> <p>Rivers Protection Grant:</p> <p><input type="radio"/> River Management</p> <p><input type="radio"/> Land/Easement Acquisition</p>
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Section 2: Applicant Information

Applicant Name (Organization)	Organization Type
Authorized Representative Name	Title

Lake Management Plan Implementation Healthy Lakes Project Application

Surface Water Grant Application
Lake Management Planning,
Lake Protection & Classification,
River Protection, River Planning,
Aquatic Invasive Species (AIS) Control
 Form 8700-284 (9/14) Page 5 of 5

[Application Instructions](#)

Application Type: Lake Protection Grant – Healthy Lakes Project

A. Project Area, Landowner and Practice Information (Provide a parcel map showing property location of all participating landowners.)

Name of Lake		Add Lake
Landowner Name	Parcel Number	Add Landowner
Has the landowner signed a participation pledge? <input type="radio"/> Yes <input type="radio"/> No		
Practices to be Installed and Costs		
Zone 1: In-lake	Zone 2: Transition	Zone 3: Upland
<input type="checkbox"/> Fish Sticks \$ _____	<input type="checkbox"/> Native Planting \$ _____ <input type="checkbox"/> Diversion Practices \$ _____	<input type="checkbox"/> Rain Garden \$ _____ <input type="checkbox"/> Diversion Practices \$ _____ <input type="checkbox"/> Rock Infiltration Prac \$ _____

Provide a parcel map showing property location of all participating landowners.

B. Products and Deliverables

- Signed Conservation Commitment w/ completed installation checklist & O&M plan
- Pre and Post project installation photographs
- Summary of other education activities
- Summary of publicity events to promote the Lake Health Initiative project

C. Data to be Collected All practices have standardized data reporting requirements as defined in the Conservation Commitment and as explained in the grant application guidance.

D. Role of project in planning and/or management of lake

Has the Statewide Healthy Lakes Implementation Plan been adopted? If so, identify how the plan was adopted:

- By resolution (provide date of resolution): _____
- Through a local planning process (provide name of plan and date of adoption): _____

Other – Specify: _____

Describe:

Changing!

Participation Pledge (optional)



HEALTHY LAKES PARTICIPATION PLEDGE

I/we **Mr. and Mrs. Lake-Lover** pledge to participate in Wisconsin's Healthy Lakes initiative. More property owners implementing the suggested best practices over time may eventually add up to significant success and healthier lakes for current and future generations.

I/We pledge to work with DNR Lake Protection Grant sponsor **Healthy Lakes Association** to install the following best practice(s) to restore fish and wildlife lakeshore habitat and/or prevent storm water runoff and erosion. (check practices to be installed on the property)

- Fish Sticks
- 350 square feet native plantings
- Diversion practice(s)
- Infiltration practice(s)
- Rain garden

I/We understand that by signing this Pledge I/we am/are indicating a strong interest to follow through with a Healthy Lakes project on my/our property, but this is not a legal requirement to do so.

Describe Personal Participation Goal (optional):

Name: **John and Jane Lake-lover** (please print)

Phone #: **(123) – 456-7890**

E-mail address: **lovinglakes@yooohoo.com**

Signed: **John Lake-Lover and Jane Lake-Lover**

Date: **01/01/2015**

Grant Review/Ranking

- **LPT 191.07 Priorities (4) The department *may* consider the following factors when developing a project priority list:**
 - The degree to which the project provides for the protection or improvement of water quality
 - E.g. ORW/ERW, impaired?
 - The degree to which the project provides for protection or improvement of other aspects of the natural ecosystem such as fish and wildlife habitat, native vegetation or natural beauty
 - E. g. sites adjacent to sensitive area, support from fisheries, wildlife, etc.
 - The availability of public access to, and public use of, the lake.
 - E. g. public property or demonstration sites
 - The degree to which the proposed project complements other lake and watershed management efforts including local comprehensive plans and the level of support from other affected management units or organizations
 - E. g. partner support, other plans
 - The likelihood of the project to successfully meet the stated project objectives and 2-year timeline and the degree of detail in the application
 - E. g. landowner commitment, neighbors participating together, costs, baseline monitoring/inventory completed, compliance monitoring/maintenance assistance

RESULTS

2015-2017: 407 Best Practices, 267 Properties, 56 Lakes, 21 Counties

\$377K state investment





Leadership:

A Case Study in Making a Movement Happen

