Michigan Natural Shoreline Partnership

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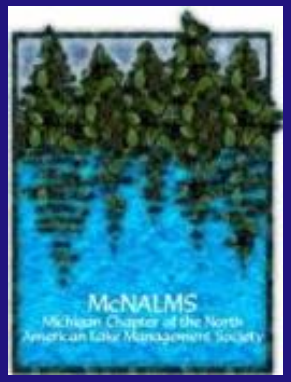
Michigan Department of Environmental Quality
Water Resources Division Nonpoint Source Program

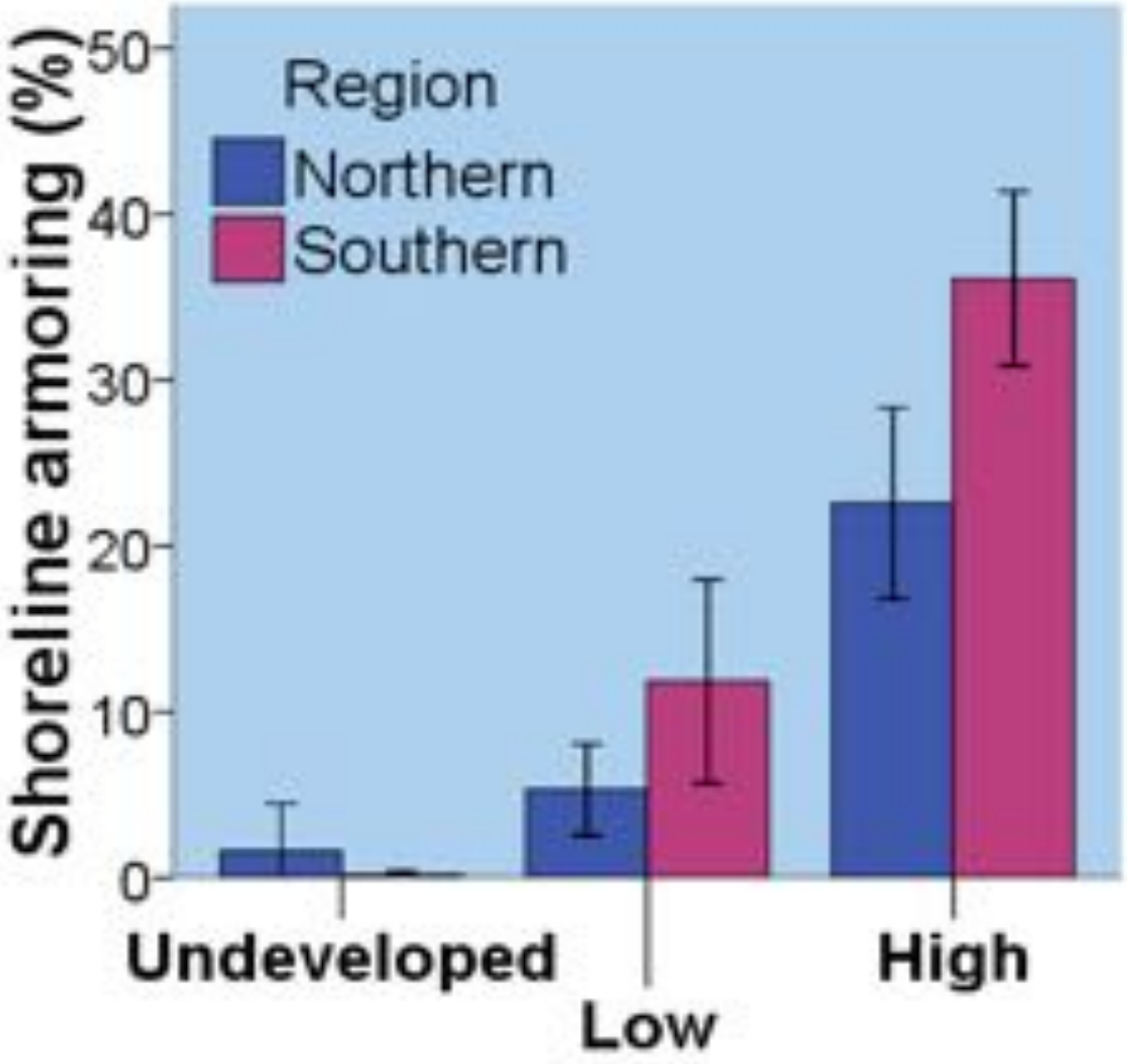
Michigan Natural Shoreline Partnership Members



MNSP Mission:

Promote natural shorelines through use of green landscaping technologies and bioengineered erosion control for the protection of Michigan inland lakes


Photo: Scott Brown


Shoreline armoring (%)
50
40
30
20
10
0
Region
Northern
Southern
Undeveloped
Low
High

N = 250

Near Shore Habitat Loss

#1 Threat to inland lakes

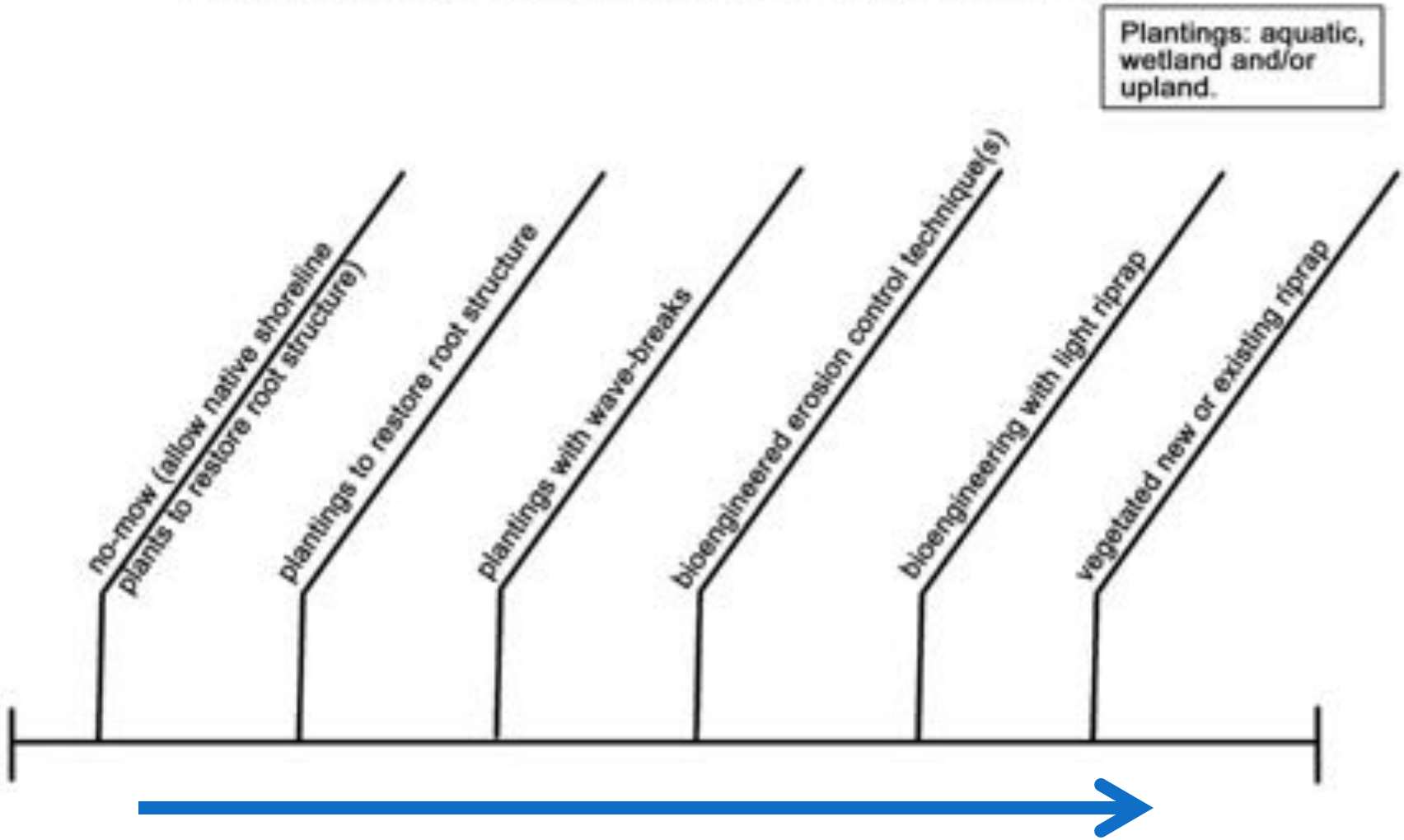
Lakes with POOR Habitat Complexity

50%

67% of threatened and endangered birds, fishes, reptiles and amphibians in MI spend all or part of their lives at the lakeshore.

Certified Natural Shoreline Professional

Natural Shoreline Erosion Control Continuum



As erosion problems and/or energy potential increase so does the complexity of solution

Policy Changes

State

DEQ Inland Lakes Permit:

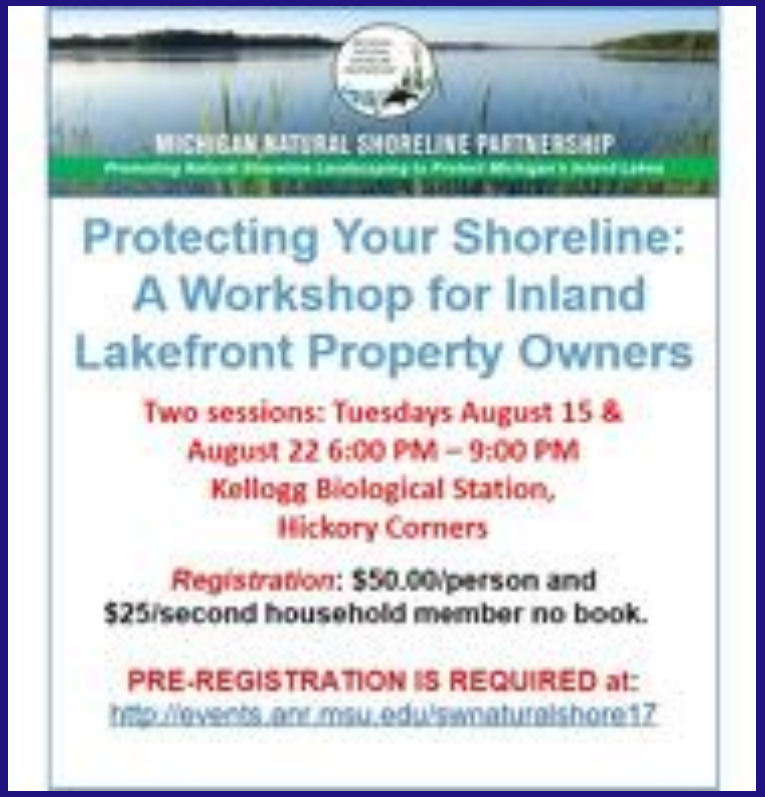
Bio-engineering Minor Project Category

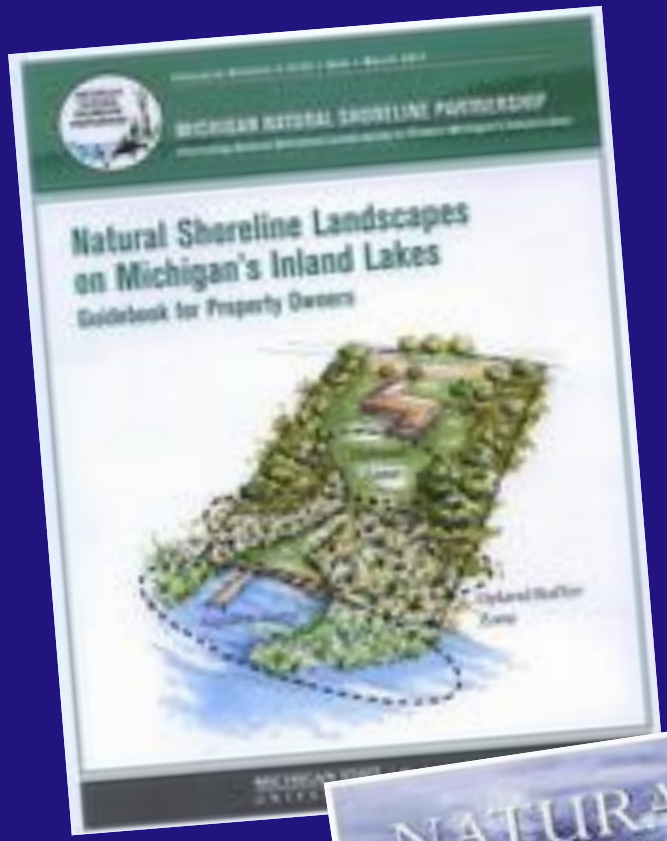
Created to encourage bioengineering on inland lake shorelines

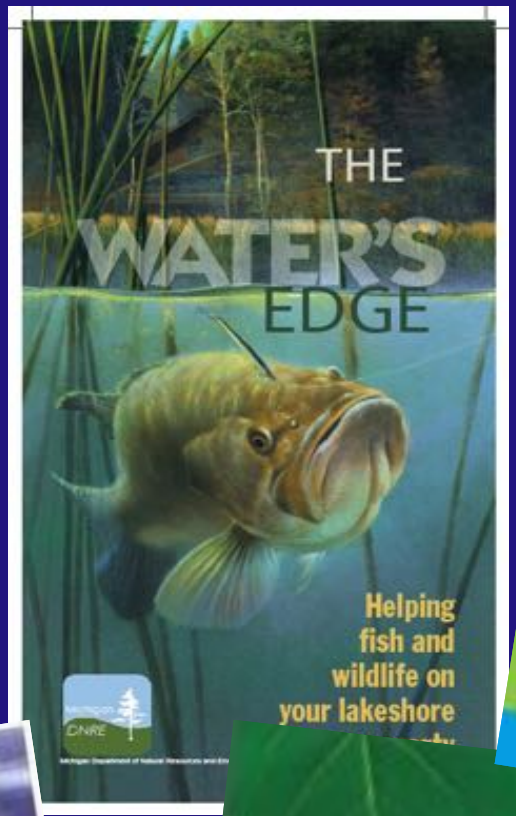
Local

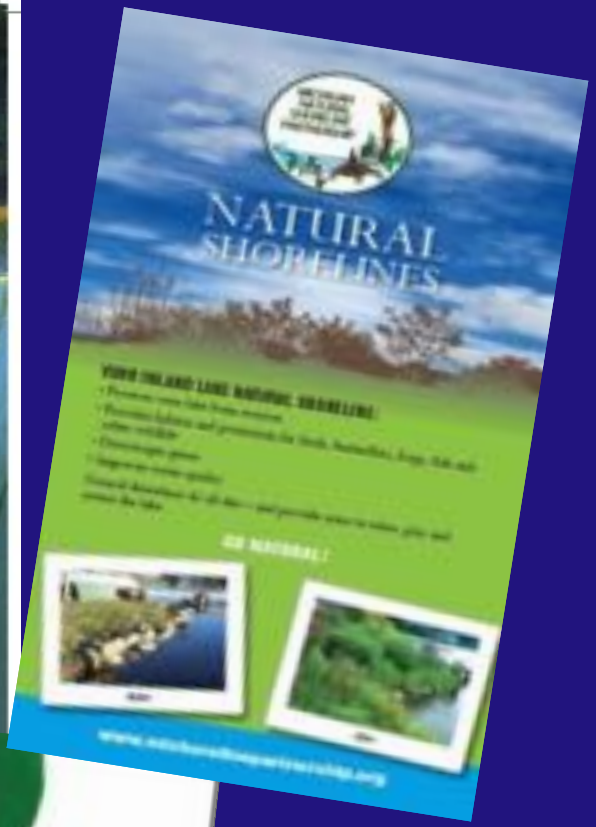
Homeowner Outreach

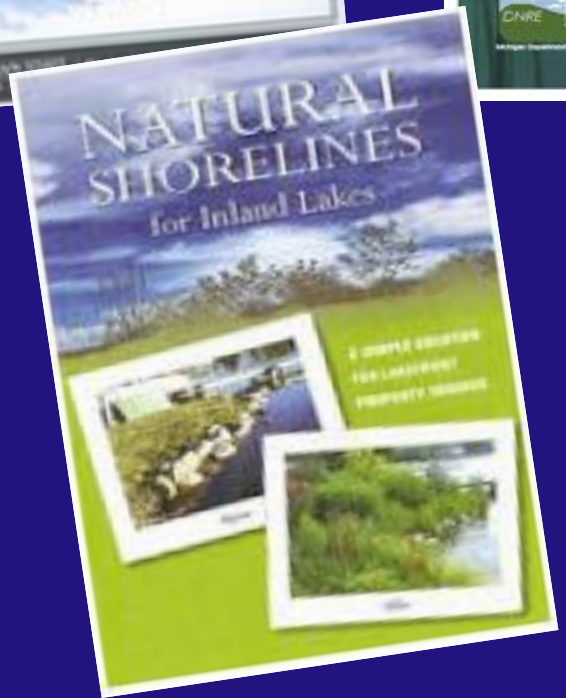
Workshops for Resource Professionals & Property Owners




MICHIGAN NATURAL SHORELINE PARTNERSHIP
Natural Shoreline Landscapes on Michigan's Inland Lakes
Guidebook for Property Owners


THE
WATER'S
EDGE
Helping fish and wildlife on your lakeshore


NATURAL
SHORELINES


NATURAL
SHORELINES
for Inland Lakes


Garden Designs for Homeowners
2nd Edition


We want to recognize YOU
for protecting Michigan's inland lakes.
Become a MI Shoreland Steward!
1 Take the online questionnaire to determine if your lakefront property qualifies as a gold, silver or bronze stewardship level.
2 Learn important tips on how you can protect your lake and improve your shoreland.
3 Once you complete the questionnaire, you can print a stewardship certificate. If you want to let everyone else know you're a MI Shoreland Steward, purchase a sign to display in your shoreland.
SHORELAND STEWARD
www.mishorelandstewards.org

Vegetative Cover for a Healthy Lake

Percentages of Shoreland Vegetation

Ambassador Training Coming 2018

Technical Information

MNSP Recommended Plants

3 categories: wet to moist areas

- Below the Water Level
- Between Water Level and Ordinary High Water Mark
- Above the Ordinary High Water Mark

1 category: dry areas away from the shoreline

- Upland


Shoreline and Shallows Conference

" Increasing Habitat, Reducing Threats"

Thursday, March 9, 2017 9:30—3:45

Kellogg Hotel & Conference Center

Lincoln Room

East Lansing, MI

Early Bird Registration: $45

Late Registration: $50 (Begins February 25th)

To register:

Featured Topics:

MI Shoreland Stewards Program

Dealing with invasive species in shoreline projects

MI Lake Habitat Viewer

New Products for bio-engineering


Extension

Rebuilding an Eroding Bank on an Inland Lake

A Comparison of Traditional and Prefabricated Encapsulated Soil Lifts

Background

Abbreviations


www.mishorelinepartnership.org
www.facebook.com/MNSP1
www.mishorelandstewards.org