Natural Solutions to Shoreline Problems on Inland Lakes

A slide show with nine different shoreline case studies. Enjoy!

Presented by:





Problem: Annual damage from ice push. **Solution:** Buffer strip of long-rooted native shoreline plants.

















Problem: Wave flanking from neighboring sea walls. Solution: Vegetated bio-log with gravel and topsoil fill.

Spring 2006

Example 3





Problem: Undercutting and erosion/lack of shoreline habitat Solution: Native plantings w/ vegetated bio-log wave breaker.

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Problem: Lack of shoreline habitat Solution: Native buffer strip and aquatic plantings w/ biolog wave breaker.









Problem: Undercutting and destabilization after removal of trees along shoreline. Solution: Bioengineered lifts w/ shrubs.







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Problem: Undercutting and destabilization after removal of trees along shoreline. Solution: Bioengineered live fascine w/ shrubs.













Problem: Eroding bank after removal of trees along shoreline. Solution: Bioengineered live crib wall w/ shrubs.















Problem: Eroding shoreline due to removal of native vegetation. Solution: Native plants and seeding into fill protected with erosion control blanket. Coir log wave break.

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STATE LEAVE IN STATE

Photo courtesy JF New









Thanks for watching!

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www.shoreline.msu.edu