





"Erosion Control for Residential Shorelines"

"Erosion Control for Residential Shorelines"

Seawall Maintenance

An Alternative to Seawalls

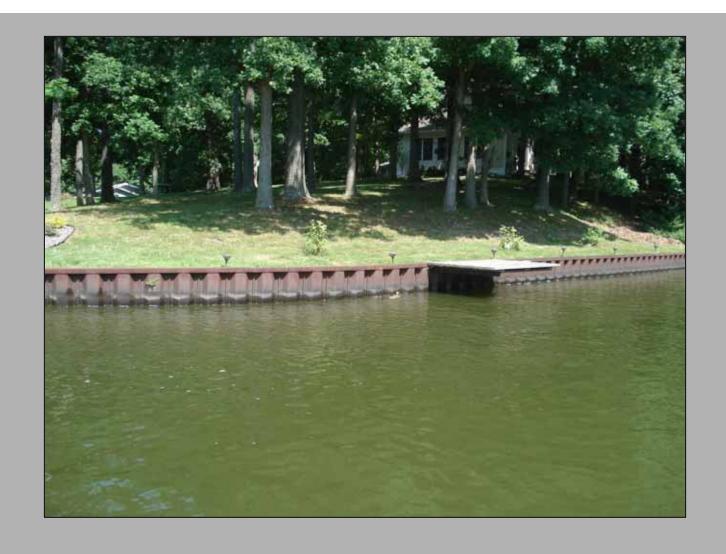
Unusual Methods

Shoreline Patios

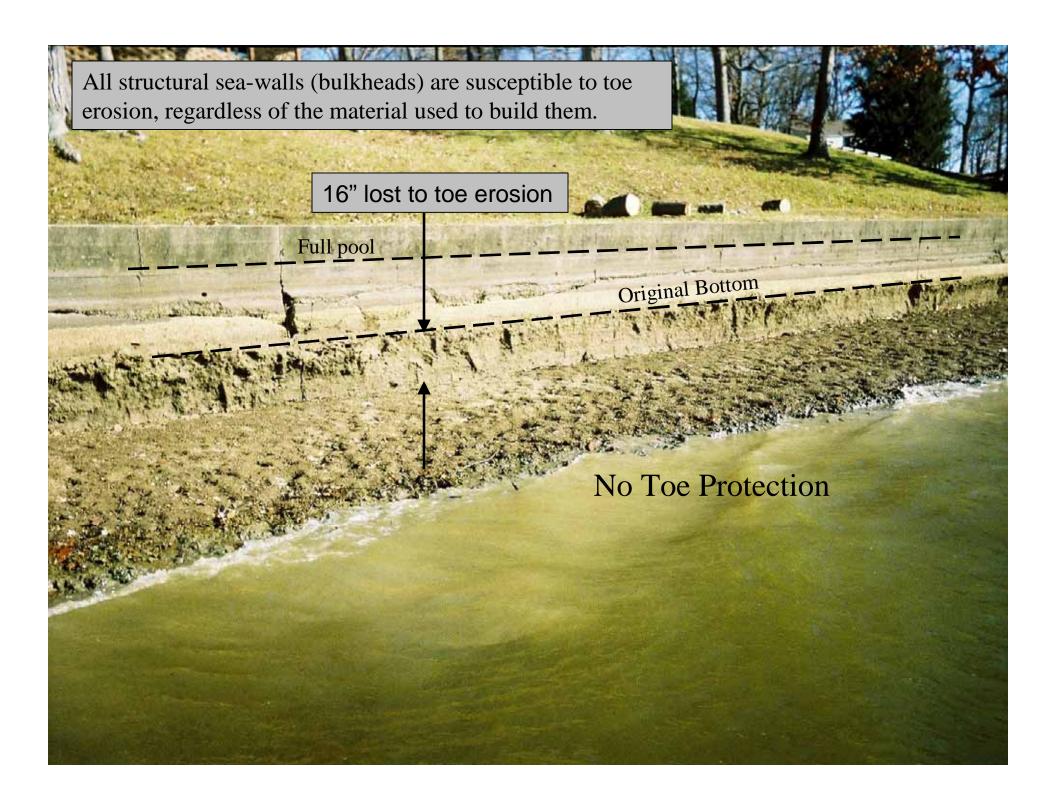
Soil Filled Revetment with Native Seeding

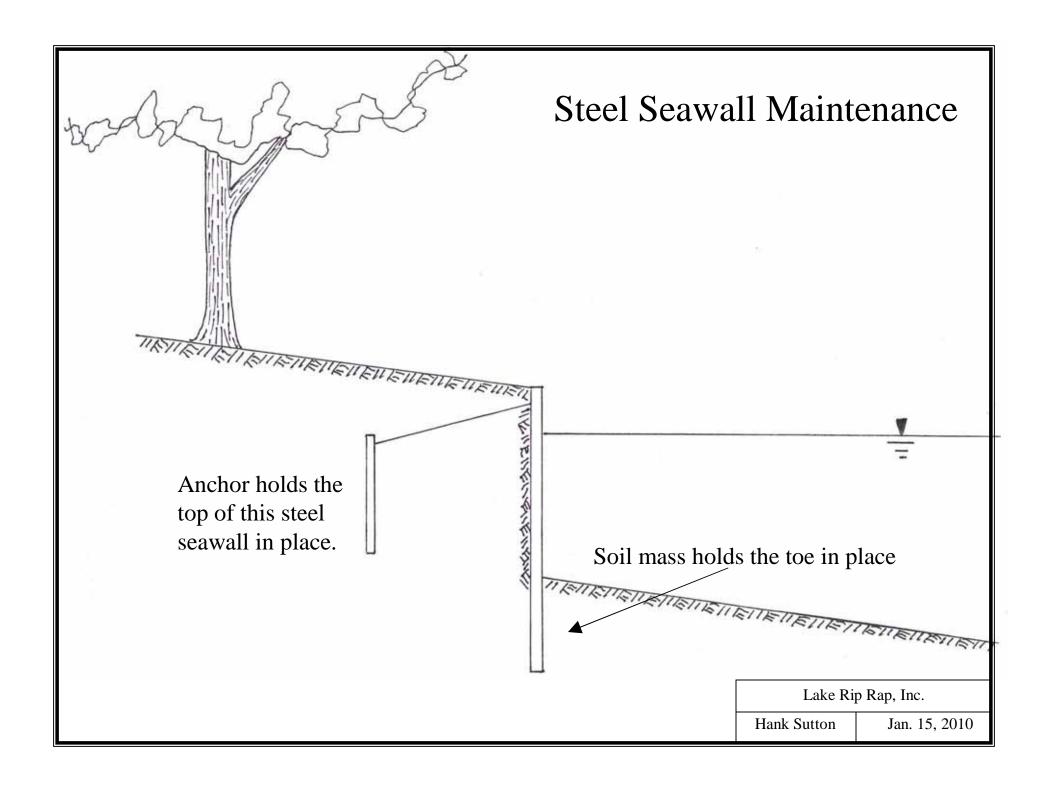
Lean Revetments

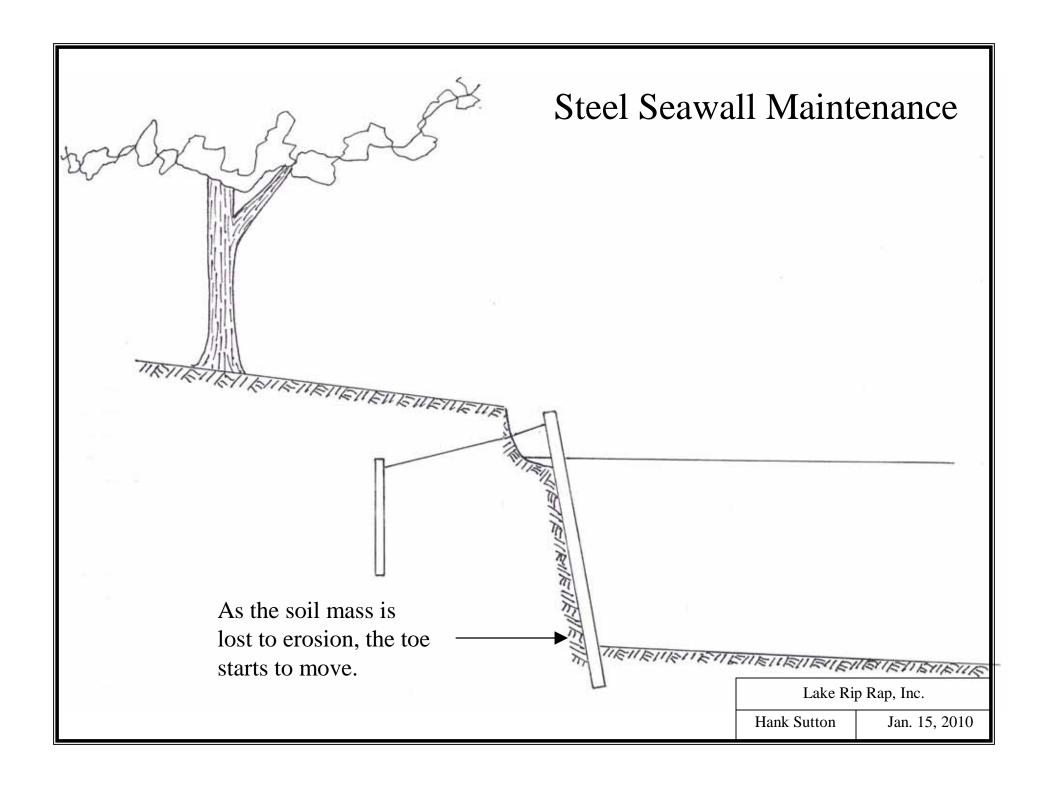
Mechanical Riprap Boats

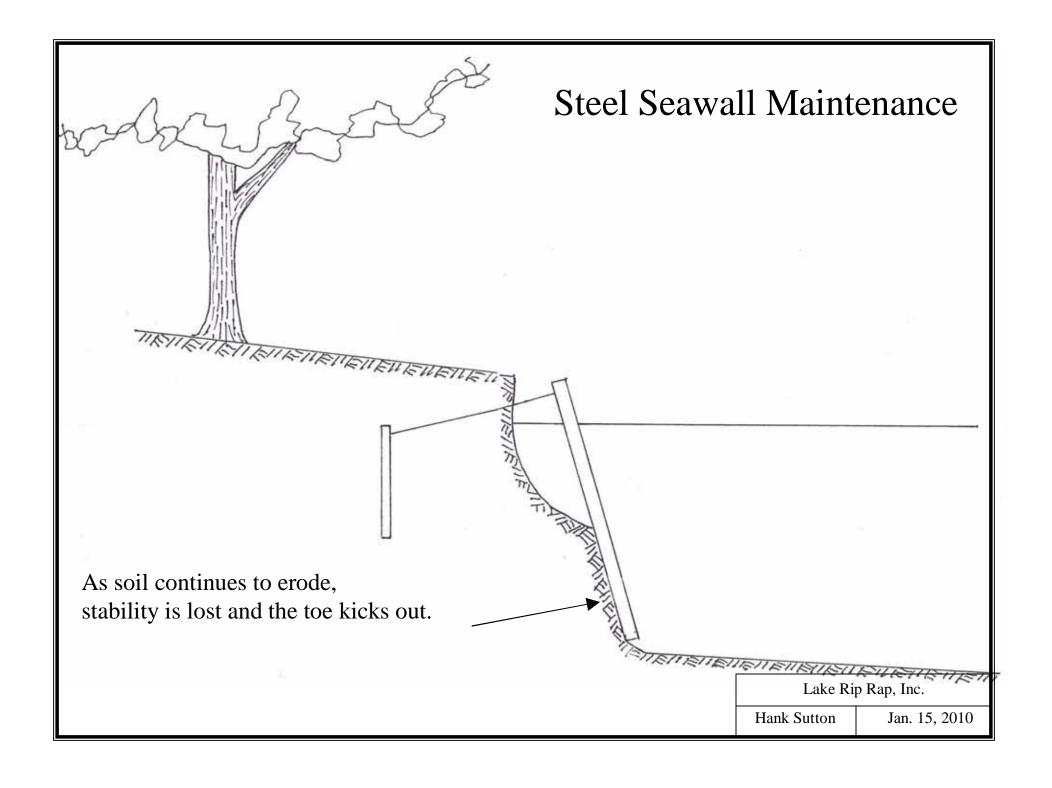


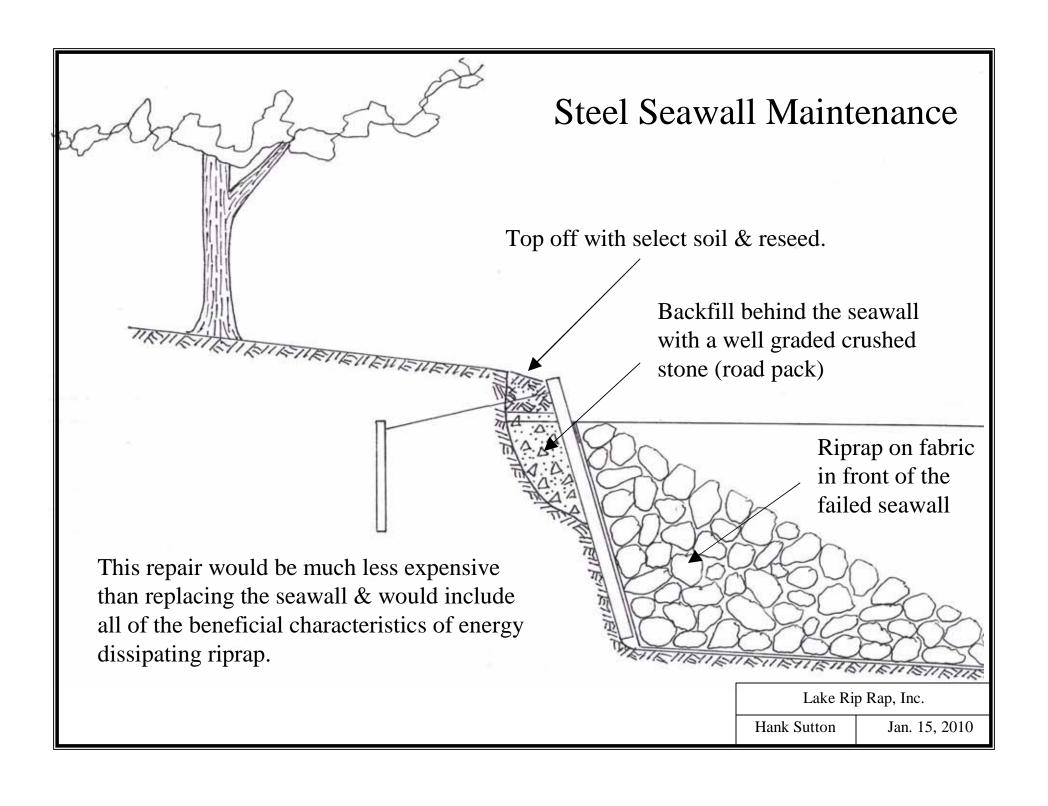
Steel Seawall Maintenance

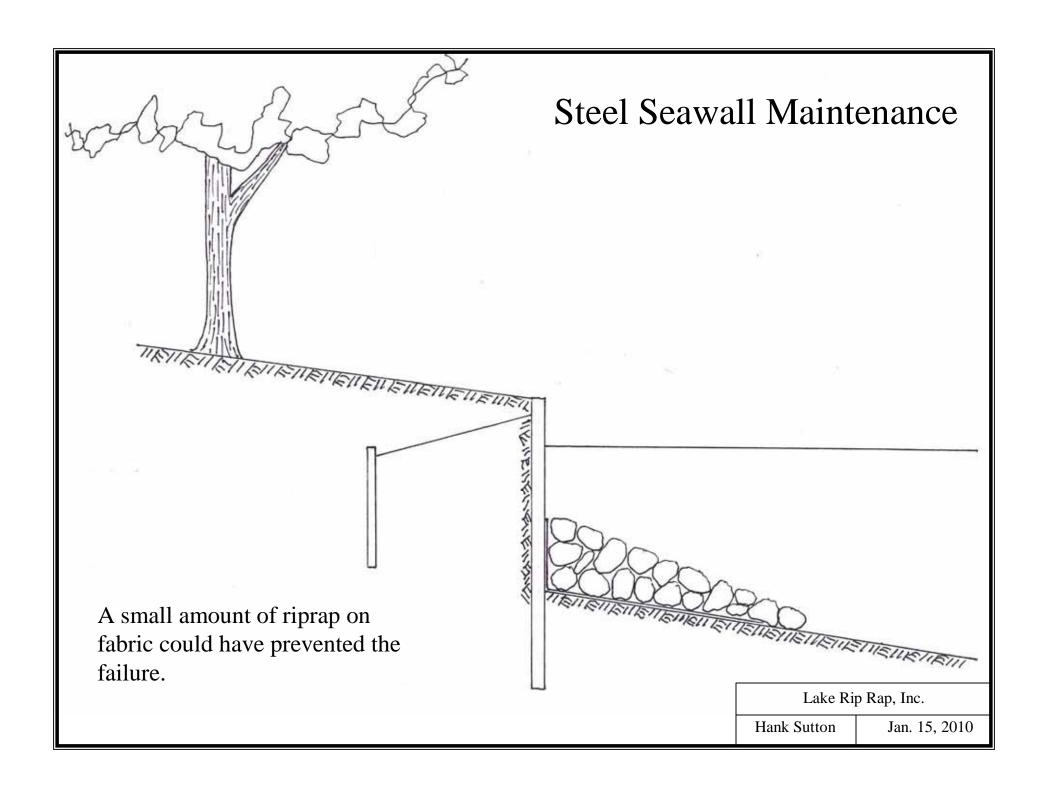


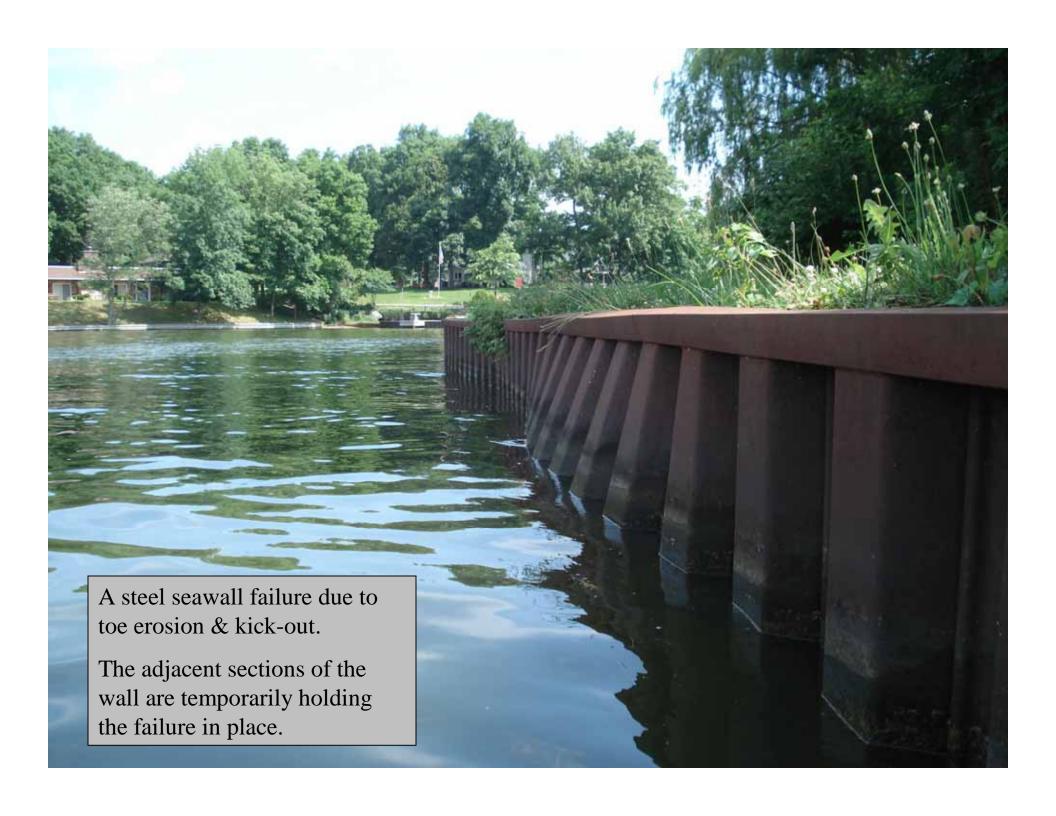




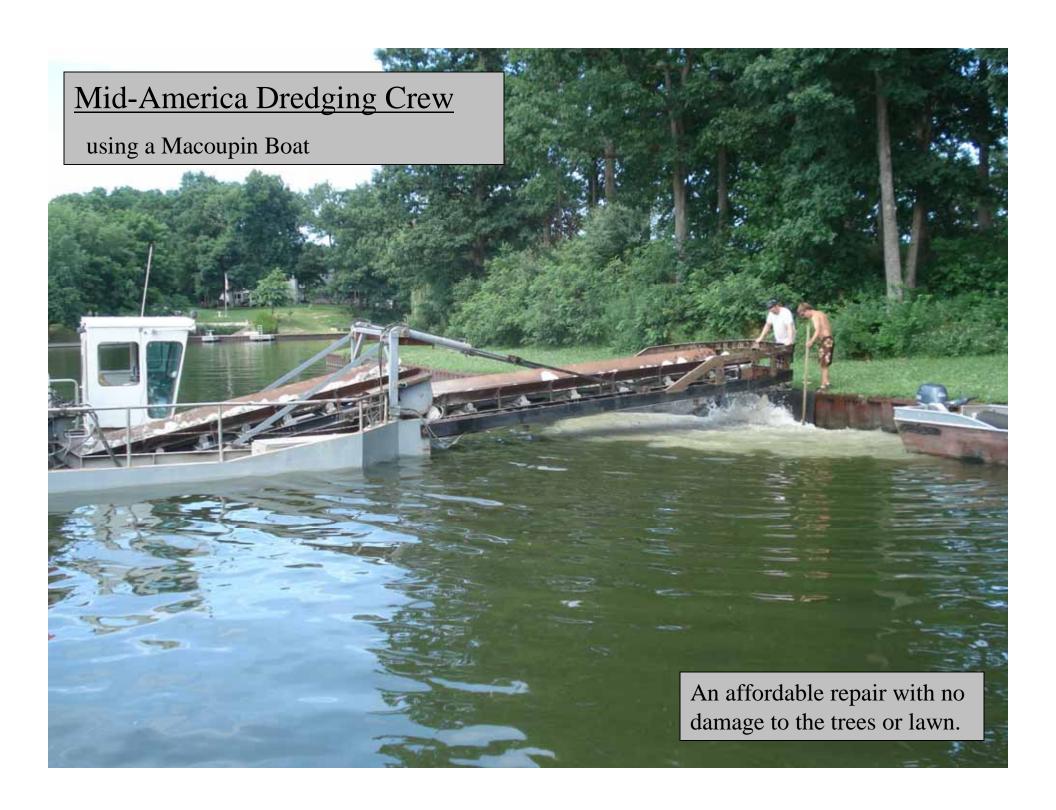




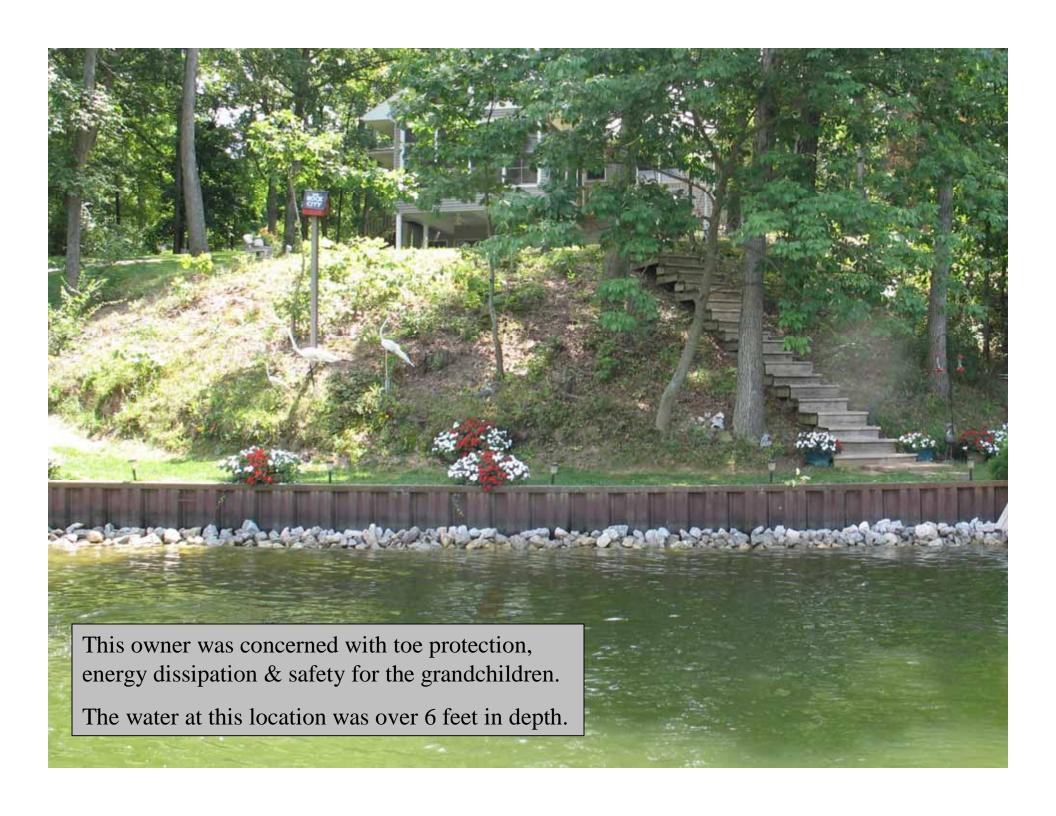
















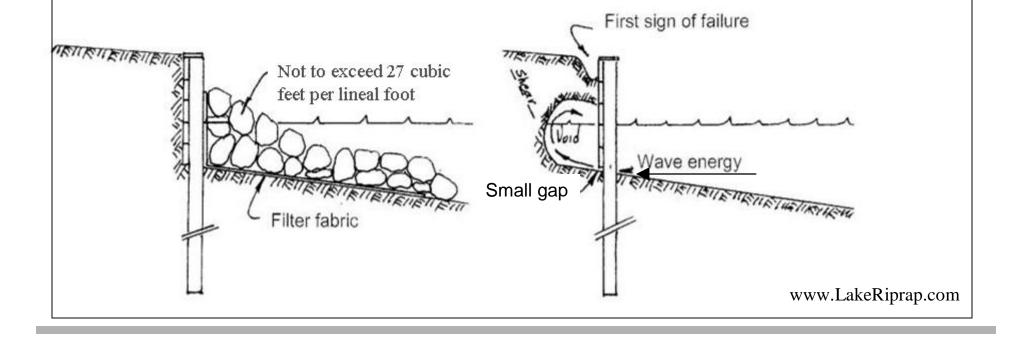


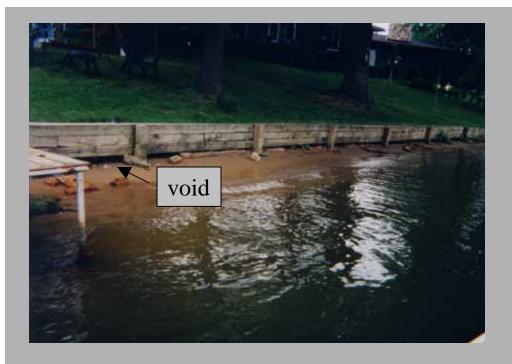


Rusted steel seawalls can be restored by an application of riprap in front of the wall.



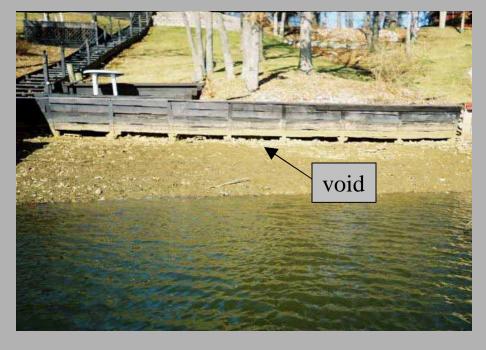
Toe Protection for wooden seawalls

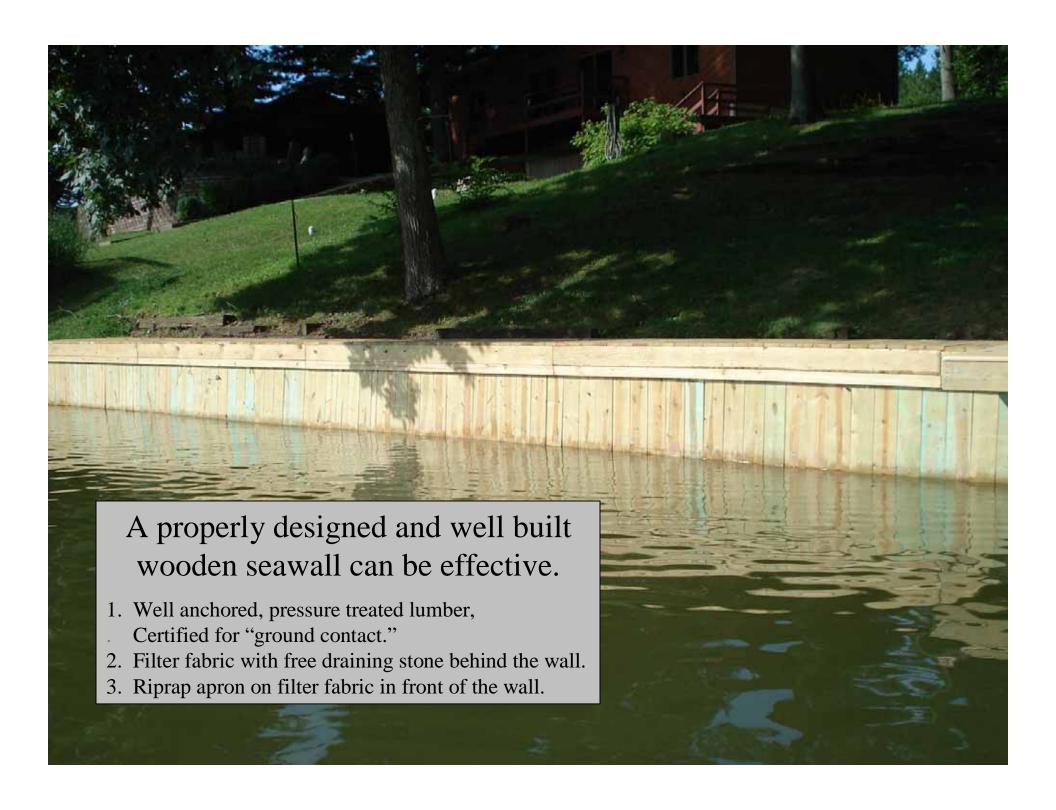




Lake Rip Rap, Inc.

Wooden seawalls loose their effectiveness with very little toe erosion.

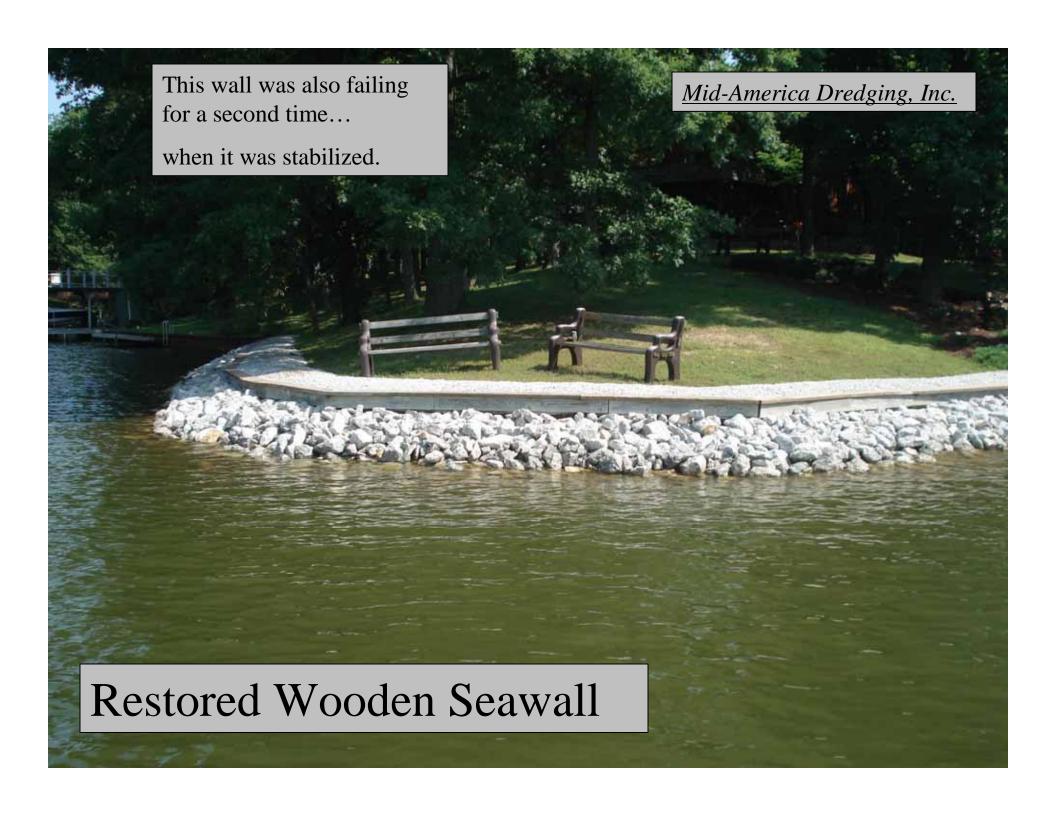


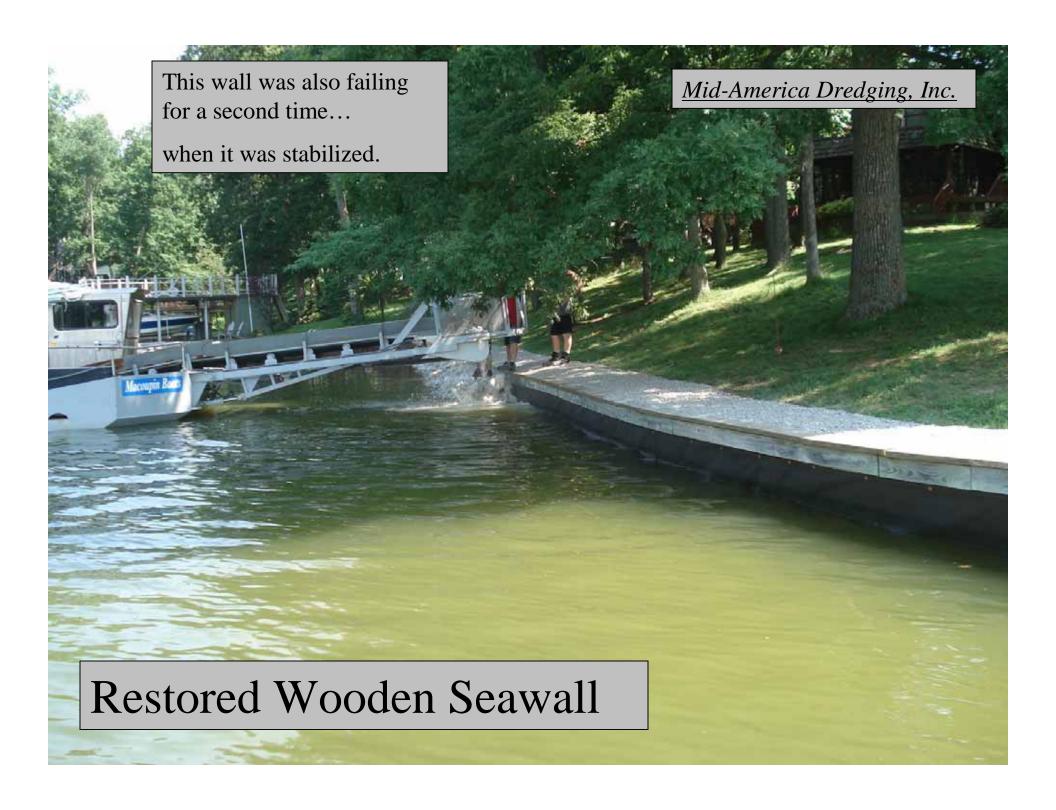




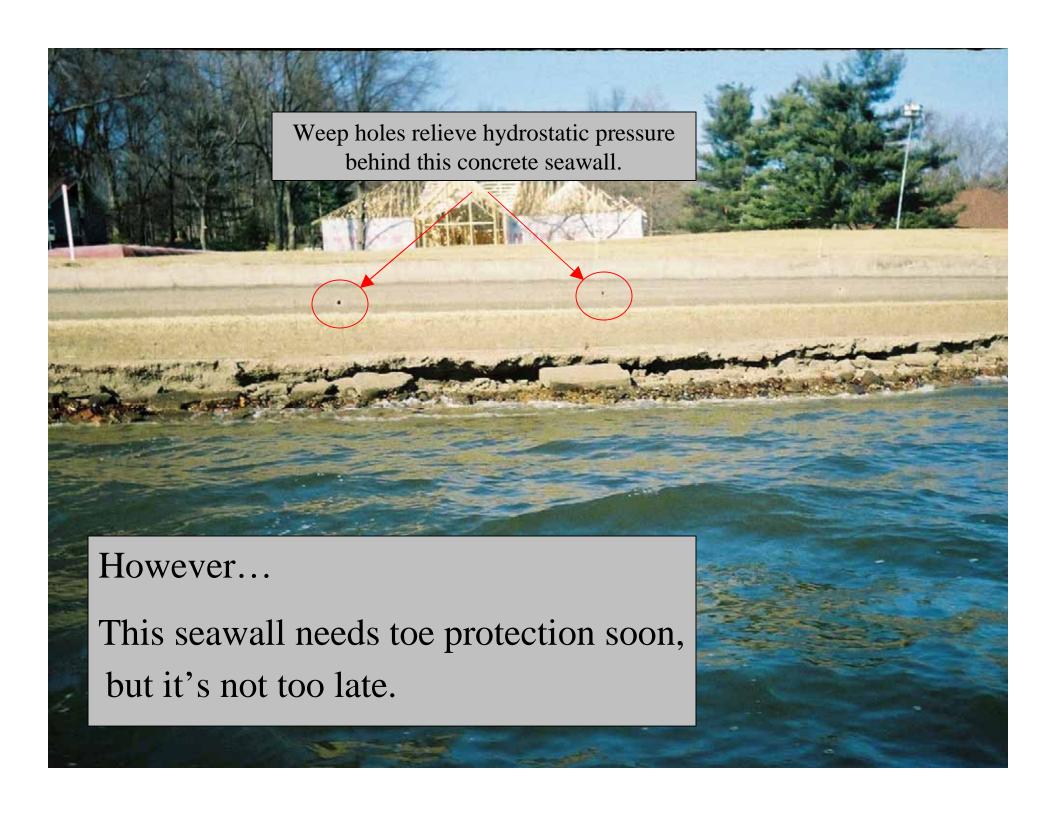












All seawalls (bulkheads) need flexible toe protection.

A riprap apron on filter fabric provides very economical toe protection for seawalls.

Lake Rip Rap, Inc.

Unusual Attempts to Control Shoreline Erosion

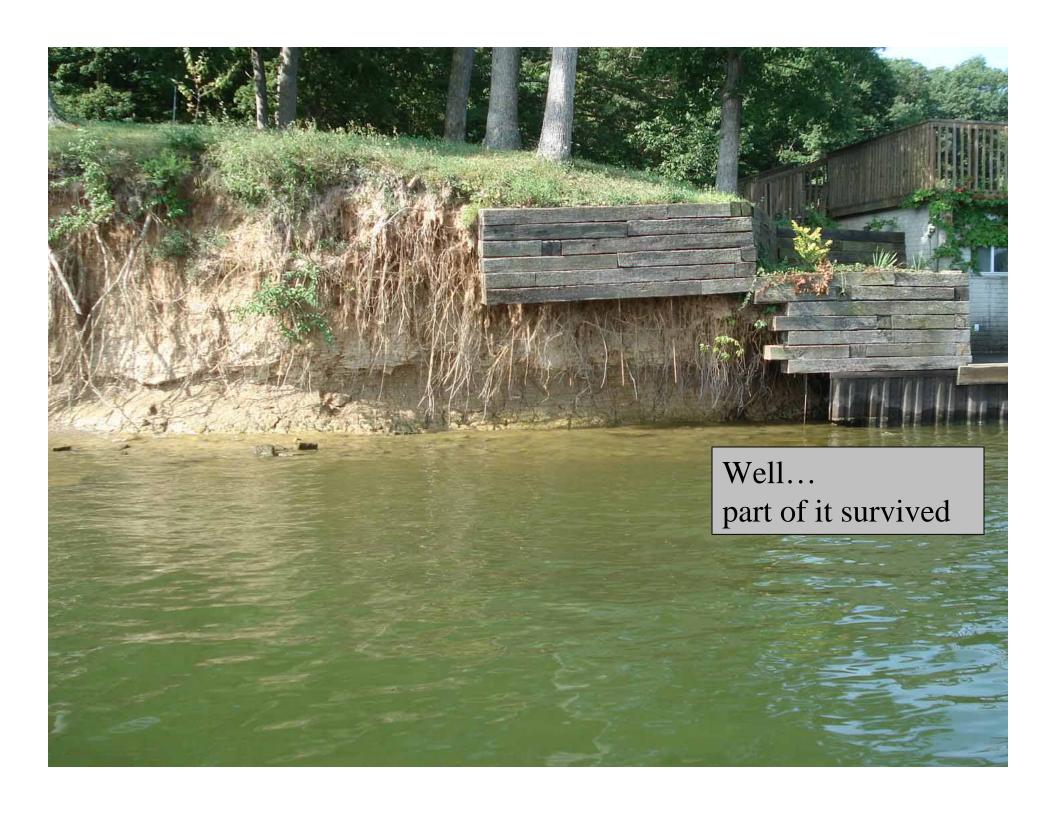


Recycled Highway Guard Rail









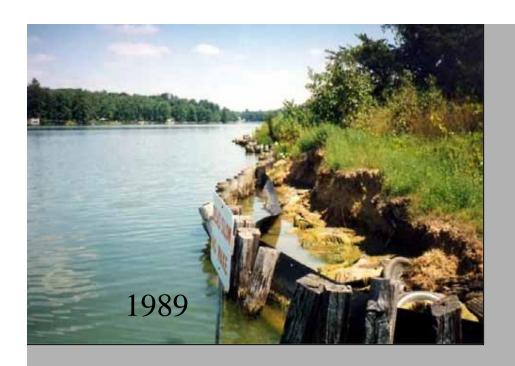




1989 - This property owner put a lot of time, effort & money into this shoreline, unfortunately, it was not effective.







Rail road ties, power poles, mine belting & used car tires

1989 - This property owner put a lot of time, effort & money into this shoreline, unfortunately, it was not effective.







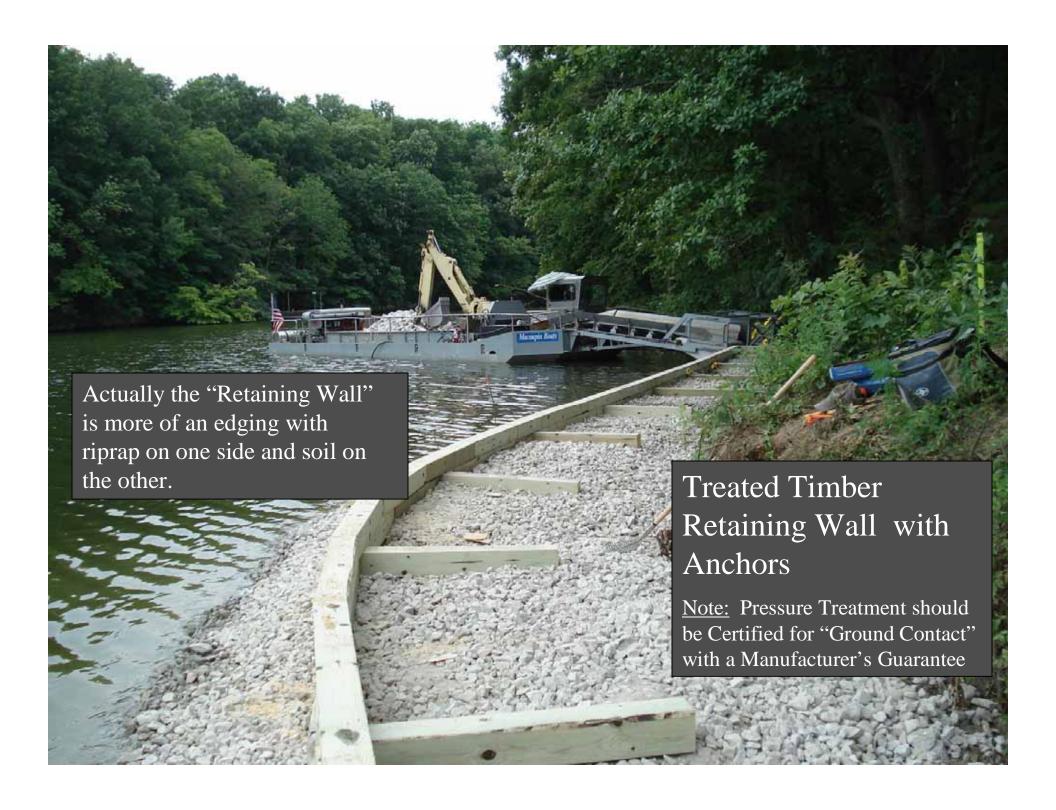
An Improved Alternative to seawalls.

Lake Rip Rap, Inc. **Energy Dissipating Shoreline Access** 8' more or less 6X6 landscape timbers A-3 riprap Soil fill O.H.W. Filter fabric A Seawall Alternative Typical Section





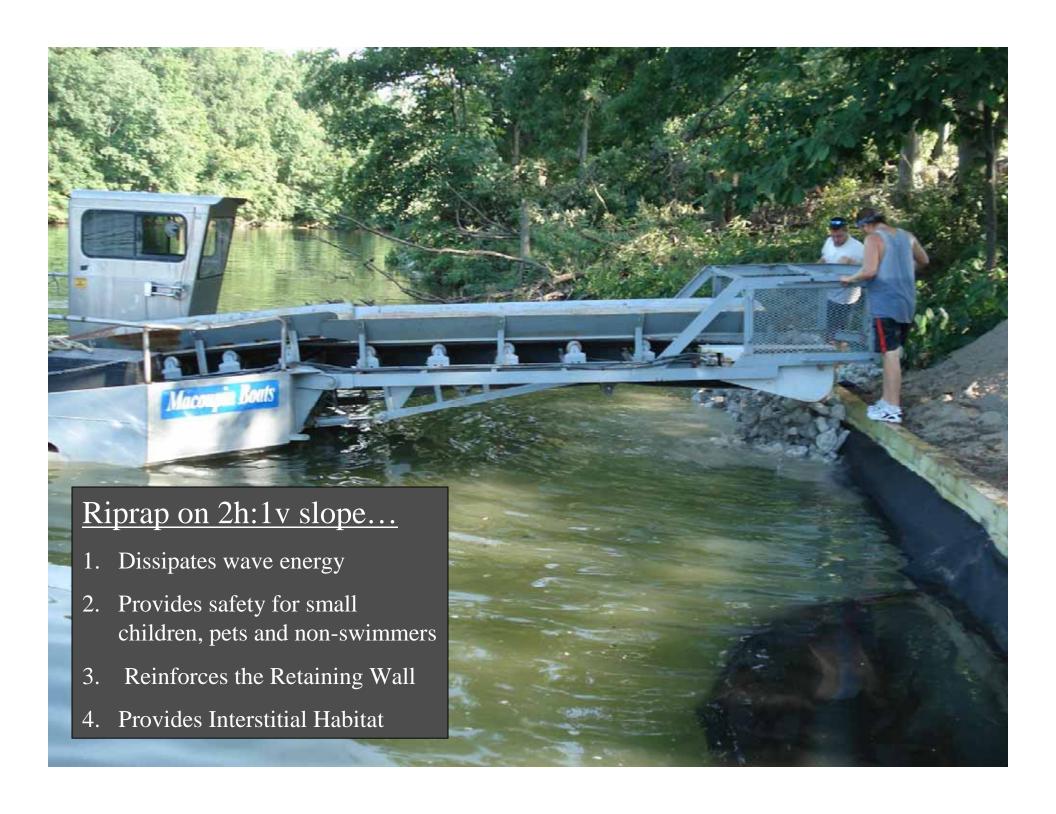










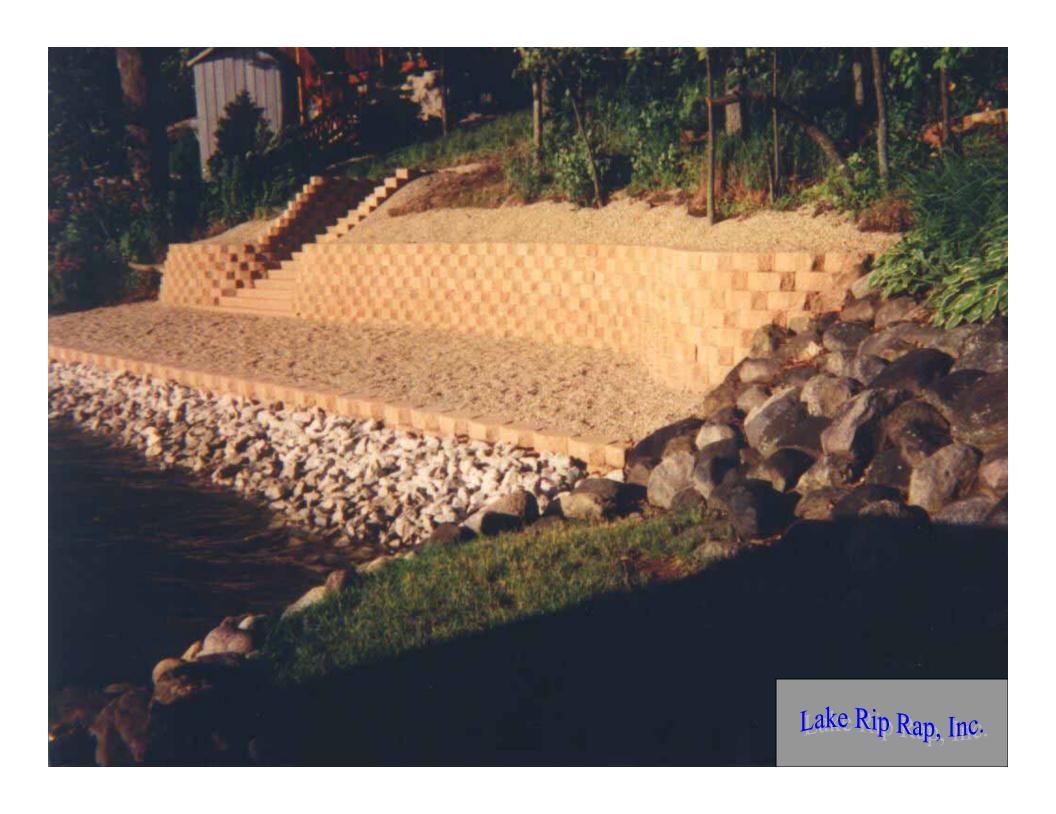


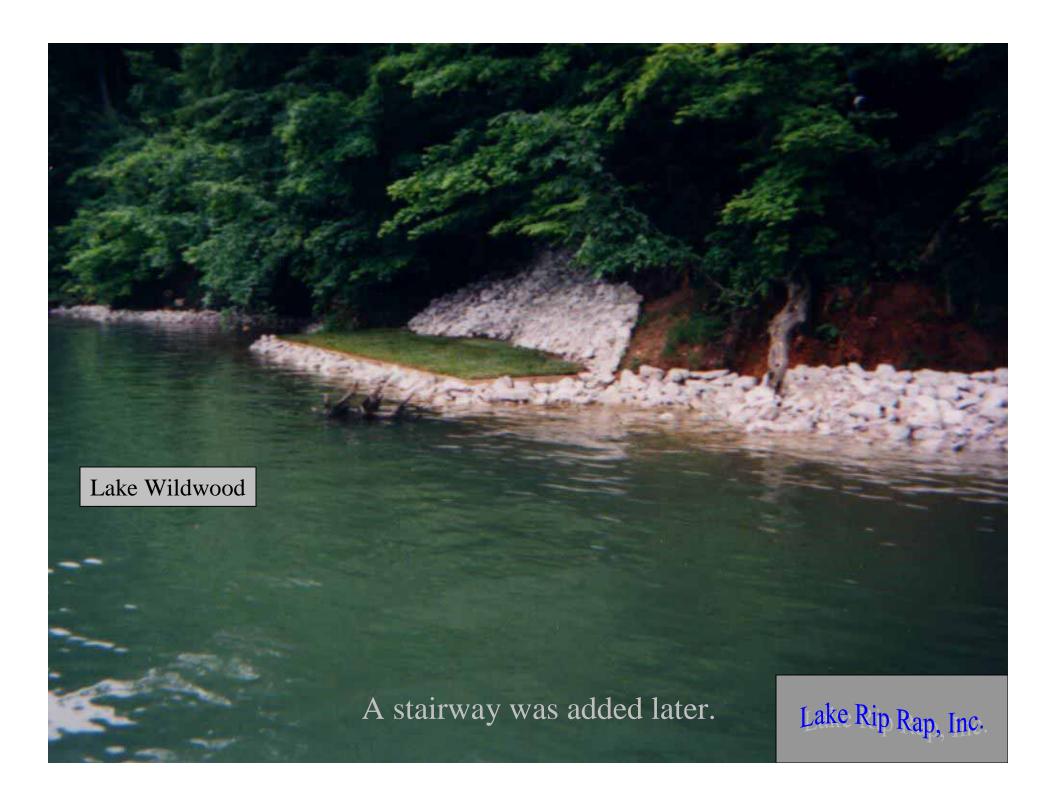


Shoreline Patios

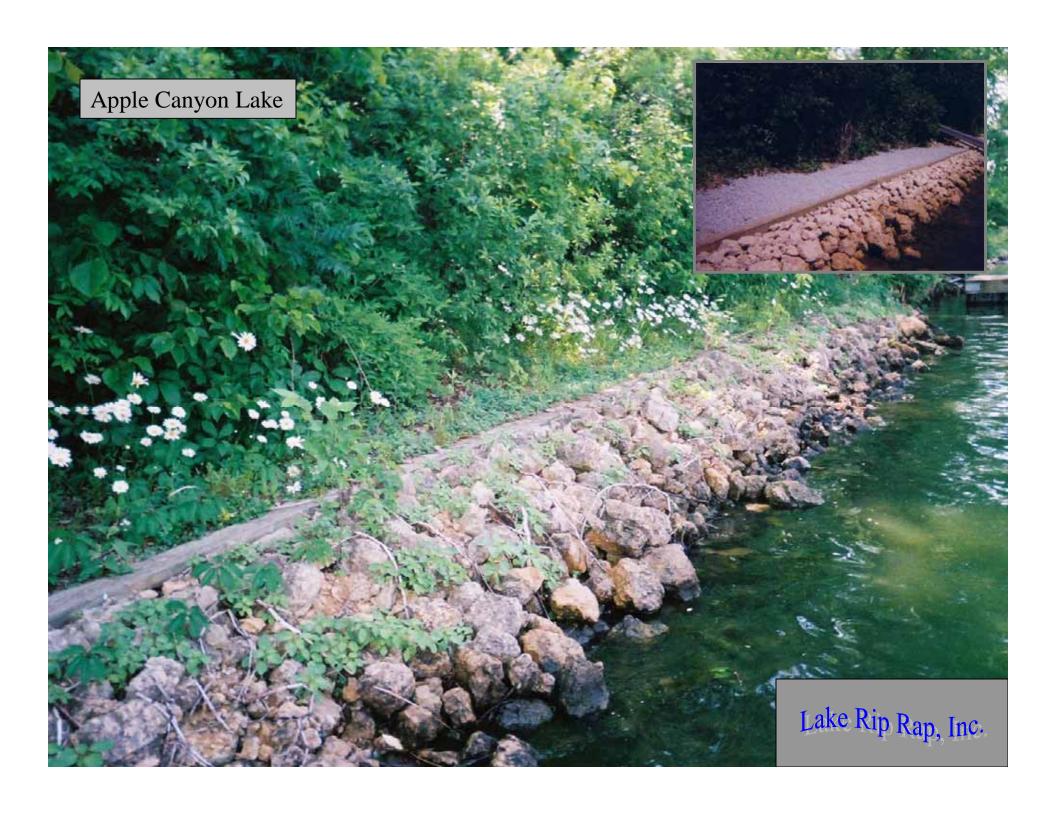


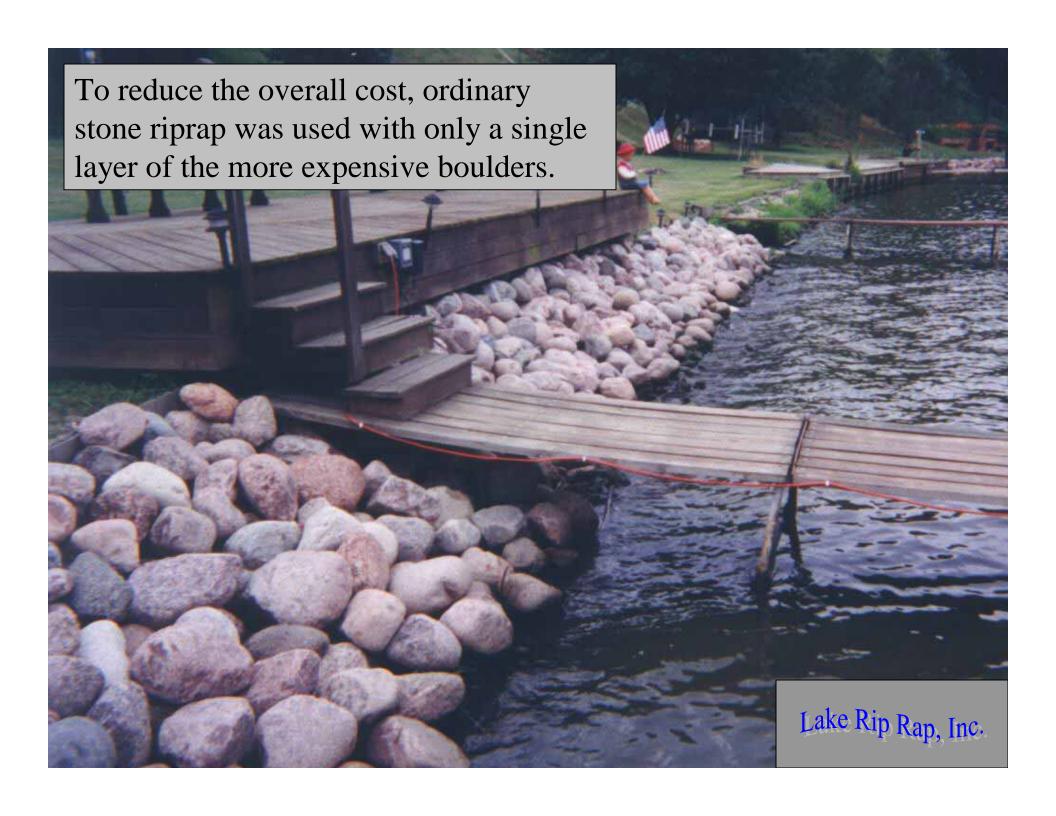




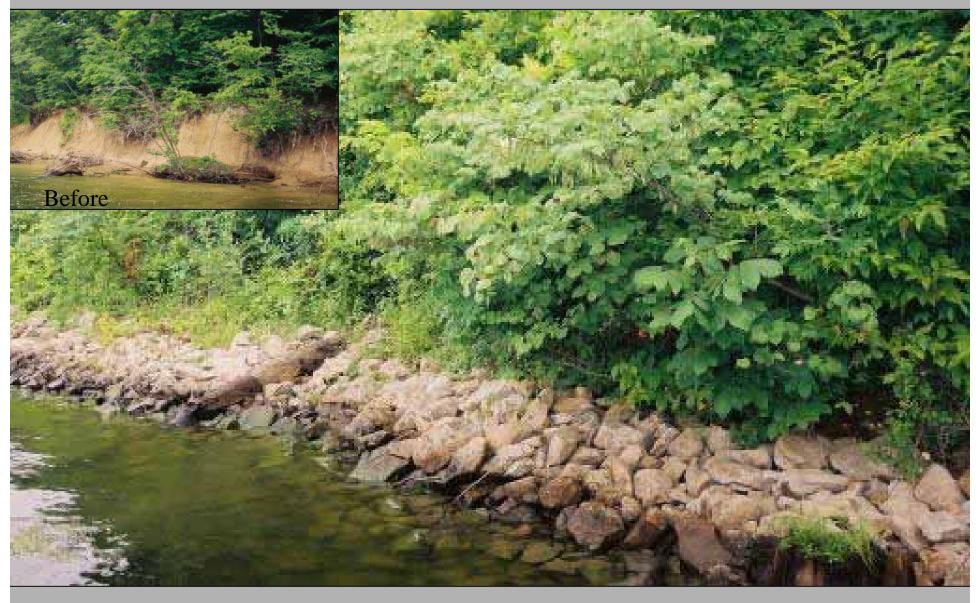








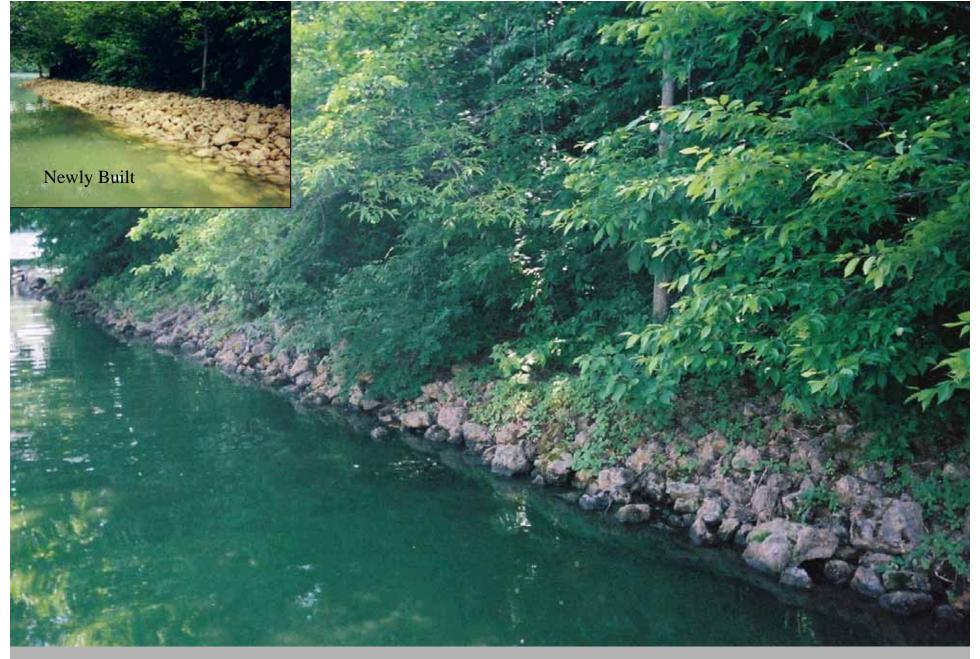
Lean Riprap Revetment with Natural Plant Colonization



Natural Plant Colonization

After 10 years

Lake Rip Rap, Inc.



Natural Plant Colonization

After 10 years

Lake Rip Rap, Inc.



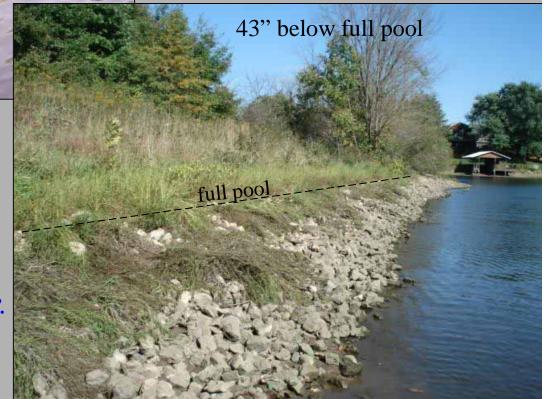
Built: 1994

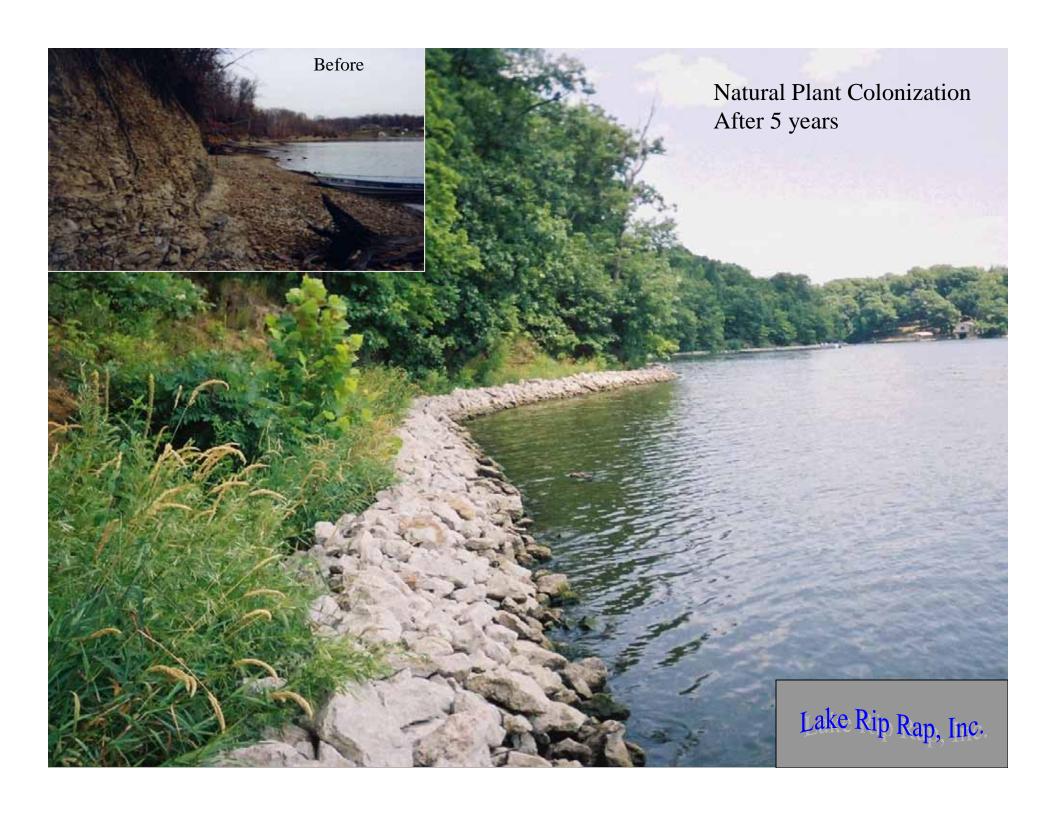
Photographed: 2009

Sunset Lake
Lean Revetment

after 15 years

This Lean Revetment has simply dissipated the wave energy and ... "Set the stage for a natural shoreline healing".









A lean application of riprap is completely effective and has a very pleasing natural appearance.

Can you tell which photo shows the natural shoreline





Constructed revetment.

Gillespie New Lake, Gillespie, Illinois



Kinkaid Lake, Murphysboro, Illinois





Constructed revetment.

Gillespie New Lake, Gillespie, Illinois

Properly applied and maintained, riprap on filter fabric:

- 1. *positively* stops wave induced shoreline erosion & bank retreat
- 2. reduces sedimentation & improves water quality
- 3. provides interstitial habitat
- 4. does not reflect wave energy
- 5. does not impede wildlife access
- 6. is not compromised by fluctuations of the water level
- 7. is the least expensive method of shoreline erosion control
- 8. provides stable conditions for a natural healing and re-vegetation of the shoreline

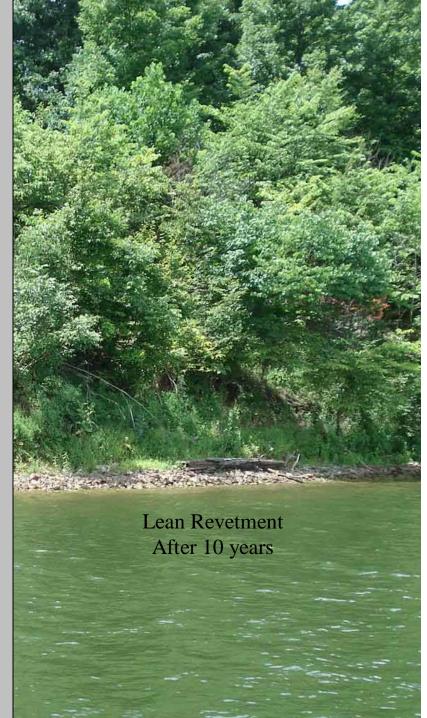
With no excavation, no environmental damage and no heavy equipment on the bank.

"Setting the stage for a natural shoreline healing"

It appears as though this shoreline was never eroded...

But in fact, it had a 6 ft. high bank at the time of construction.

The bank has healed by natural slope reduction and natural plant colonization.





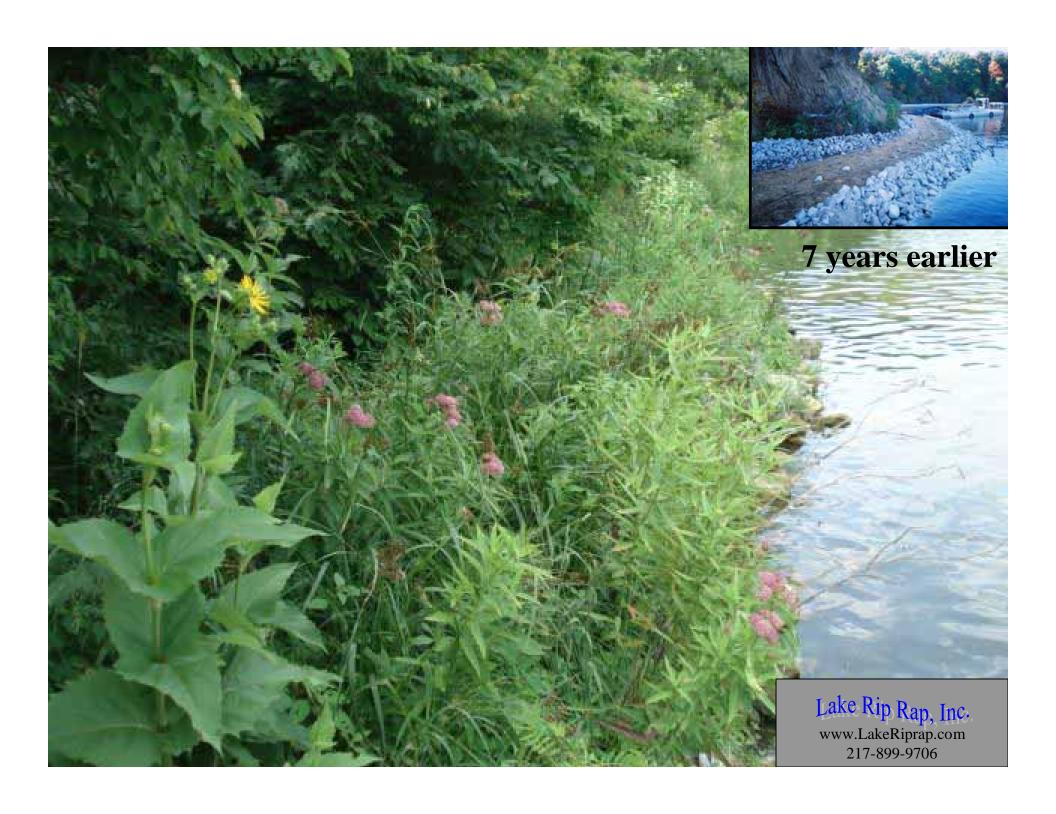




Natural Plant Colonization

Lake Rip Rap, Inc. www.LakeRiprap.com 217-899-9706

Soil Filled Revetment with Native Seeding



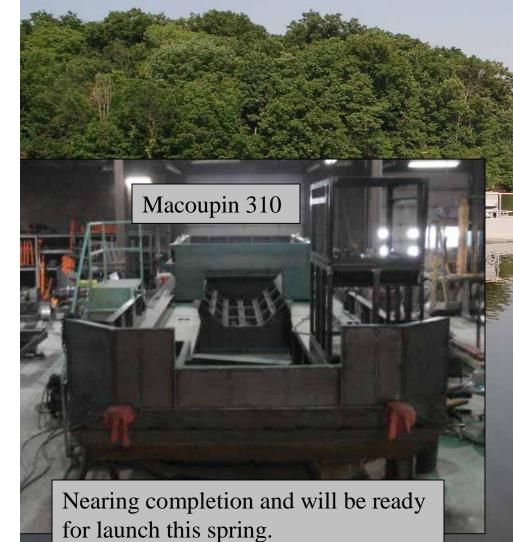




What's new at Macoupin Boats



Macoupin Mechanical Boats



Introducing the:

Macoupin 310

A smaller version, with a payload of 10 tons, built for residential work.



Questions?



Macoupin Boats a division of Lake Rip Rap, Inc.

Contact: Hank Sutton (217) 899-9706 - hank@LakeRiprap.com www.LakeRiprap.com - www.MacoupinBoats.com