



Saving Our Shoreline, Naturally

Shoreline Restoration & Demonstration project
for Round Lake



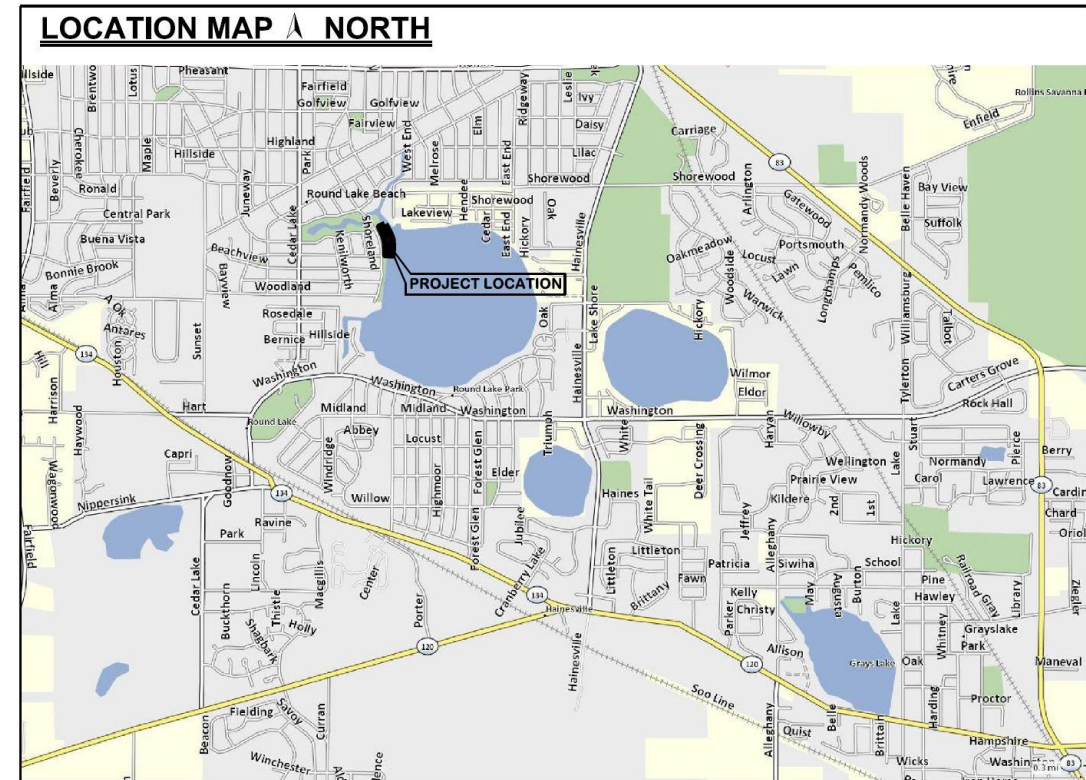
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Waiting four years for something to begin can be grueling and tiresome, yet exciting and rewarding! Multiple emotions are elicited throughout such an experience, like waiting to graduate, or waiting for your children to graduate, yet such devotion and patience does pay off. The Round Lake Management Commission has experienced four years of waiting as well, to implement a project that will benefit the community of Round Lake as well as the community of wildlife calling the waters home. The natural shoreline restoration demonstration area implementation is our graduation ceremony, with the project completion as our diploma! Induction by ILM, a regional ecological services firm providing the RLMC with permitting, shoreline restoration and native plant installation, the vision for Round Lake's Shoreline Stabilization Project will be realized this season.



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Such a project will ensure the stabilization of roughly 185 feet of shoreline at Lake Front Park in Round Lake Beach. Two stages are planned to take place over the course of 12 to 18 months.



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The first stage consists of placing vegetated geogrids which are intermitted with live stakes of native plant species to stabilize the shoreline. Some of these include Red Osier Dogwood and Button Bush.

PLANTING PLAN

COCONUT FIBER ROLLS PLANTING PLAN

IN-WATER PLUGS 1.5FT ON CENTER

VALLUSINERIA AMERICANA.....	WATER CELERY
SPARGANIUM EURYCARPUM.....	COMMON BUR-REED
SCIRPUS ACUTUS.....	HARDSTEM BULRUSH
SAGITTARIA LATFORIA.....	DUCK POTATO
PELTANDA VIRGINICA.....	ARROW ARUM

TERRESTRIAL PLUGS 1.5FT ON CENTER

ASCLEPIAS INCARNATA.....	MARSH MILKWEED
ASTER NOVAE-ANGLIAE.....	NEW ENGLAND ASTER
CAREX AQUATALIS.....	WATER SEDGE
CAREX BEBBII.....	BEBB'S SEDGE
CAREX COMOSA.....	BOTTLE BRUSH SEDGE
CAREX HYSTRICINA.....	PORCUPINE SEDGE
IRIS PSEUDACORUS.....	YELLOW WATER IRIS
LIATRIS SPICATA.....	DENSE BLAZING STAR
LOBELIA SYPHILITICA.....	BLUE CARDINAL-FLOWER

VEGETATED GEOGRID PLANTING PLAN

LIVE CUTTINGS TO BE INSTALLED BETWEEN SOIL LIFTS

CORNUS AMOMUM.....	SILKY DOGWOOD
CORNUS RACEMOSA.....	GRAY DOGWOOD
AMELANCHIER CANADENSIS.....	SHADBUSH SERVICEBERRY
CORNUS SERICEA.....	RED-OSIER DOGWOOD
SALIX AMYBDALOIDES.....	PEACH-LEAF WILLOW
SALIX EXIGUA.....	SANDBAR WILLOW
TAXODIUM DISTICHUM.....	BALD CYPRESS
VIBURNUM OPULUS V. AMERICANUM.....	AMERICAN HIGHBUSH CRANBERRY

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If one has walked the sidewalk of Lake Front Park just south of the pier, one would conclude the shoreline has eroded dramatically, with the water endangering the sidewalk itself.



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COCONUT FIBER ROLL

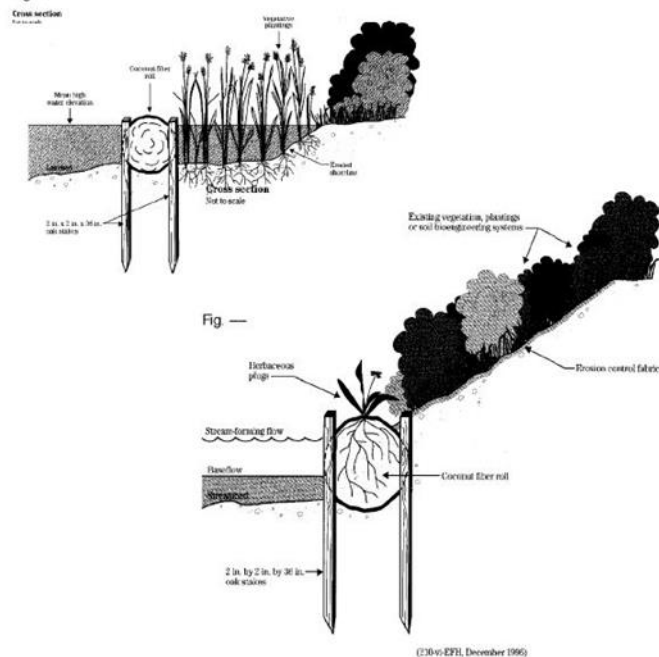
Coconut Fiber Rolls - Coconut fiber rolls are cylindrical structures composed of coconut husk fibers bound together with twine woven from coconut (fig. 10). This material is most commonly manufactured in 12-inch diameters and lengths of 20 feet. It is staked in place at the toe of the slope, generally at the stream-forming flow stage.

The fiber rolls function as breakwaters along the shores of lakes and embayments. In addition to reducing wave energy, this product can help contain substrate and encourage development of wetland communities.

Applications and effectiveness

- Protect slopes from shallow slides or undermining while trapping sediment that encourages plant growth within the fiber roll.
- Effective in lake areas where the water level fluctuates because it is able to protect the shoreline and encourage new vegetation.
- Flexible, product can mold to existing curvature of streambank.
- Produce a well-reinforced streambank without much site disturbance.
- Prefabricated materials can be expensive.
- Manufacturers estimate the product has an effective life of 6 to 10 years.

Fig. 10

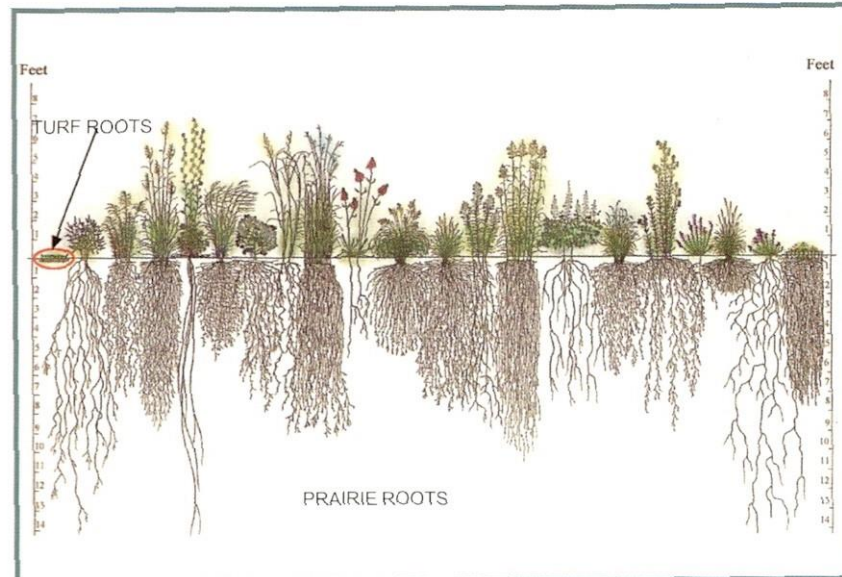


The second stage involves installing coconut fiber rolls, vegetated with native plants such as Common Bur-Reed, Marsh Milkweed, and Dense Blazing Star which supports bountiful blooms and food sources for pollinators like the Monarch Butterfly, an icon for wildlife conservation.

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With this stabilization and restoration project launched, it will not only provide habitat for many local species, but also demonstrate how private land owners may also support such ecological and sustainable practices for Round Lake. Follow our progress at www.roundlakemanagement.com.





**ROUND LAKE
MANAGEMENT COMMISSION**

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