

Application Story

PROJECT LAKE SINISSIPPI, WISCONSIN
Product Geotube® Marine Structures Technology
Application Wetlands Creation

Location Lake Sinissippi, Wisconsin
Installation 2006

The Challenge:

This wildlife habitat needed to address multiple issues: declining water quality, invasive carp, and loss of riparian wetlands.

The Solution:

The Lake District selected Geotube® marine containment technology for a pilot project for their lake improvement efforts. A structure of two overlapping 30' circumference Geotube® units was installed in a straight line across the mouth of a 24-acre embayment [photo 1]. It was positioned to serve as a breakwater / erosion berm and to restore the wetlands area for native plants and waterfowl.

Almost 3,000 cubic yards of sand/silt sediment was removed from the lake to create the berm. The height of the Geotube® structure was approximately 5' tall with only one foot extending above the water's surface. After the tubes were filled, additional slurry mixture was pumped behind the Geotube® line to create the berm and establish a wildlife habitat. Finally, submerged and emergent varieties of pond reed, white water lily, and hard and soft stem bulrush plants were planted in the bay area.

The Results:

This wetlands project proved very successful. The wetland area behind the berm is now completely rehabilitated with natural flora taking hold. It is now common to see a variety of birds and wildlife

enjoying the Geotube® structure [photo 3]. And the Geotube® units remained in place despite the harsh Wisconsin winters and heaves of ice sheets [photo 4].

The Lake District was thrilled with this pilot project. The group plans to use Geotube® marine technology again for similar projects.



Contact Information:

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