

# Grosse Ile Nature and Land Conservancy *Coastal Wetland Rehabilitation Pilot Project*



This was a pilot project restoring 280 lineal feet of Detroit River coastal wetlands in Gibraltar Bay. This effort took a scientific approach to restoration and involved all the stakeholders in the Lower Detroit River. The project was done by the Grosse Ile Nature and Land Conservancy funded by a grant from the Downriver Community Conference with the support of the U.S. Environmental Protection Agency, the U.S. Fish & Wildlife Service through the Detroit River International Wildlife Refuge, the Detroit River American Heritage River Initiative, Friends of the Detroit River, and other local groups.

Nativescape developed the engineering and landscape plans, applied for the necessary permits with MDEQ and USACE, coordinated construction, and developed establishment and long-term monitoring using local school groups and university students. Invasive species eradication involved researching and trying new techniques; we were successful in eliminating Phragmites from the site. Local seed from native Michigan plant community types were harvested and plants were grown specifically for this project. Volunteers were used along with contractors to provide educational opportunities and to off set costs. The project was completed in 2003.

## **Reference**

Bruce Jones, Past President  
Grosse Ile Nature and Land Conservancy  
(734) 676-6657

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# **Grosse Ile Nature and Land Conservancy**

## ***Gibraltar Bay Shoreline Reconstruction Project***



This was the second phase of the shoreline rehabilitation along the Detroit River at the Grosse Ile Nature Area. This innovative project recreated 907 feet of natural shoreline from a riprap covered, phragmites choked shore using cutting edge soft engineering techniques and native ecosystem restoration. The project was completed in 2005, which will mean that the Conservancy has restored almost a quarter mile of Detroit River shoreline. Nativescape used state of the art soft engineering techniques and local natural community types to cost-effectively reduce erosion, stabilize shoreline, enhance wildlife habitat, and improve aesthetics. Grant funding and support sources included the Metropolitan Affairs Coalition, Greater Detroit American Heritage River Initiative, the U.S. Fish and Wildlife Service, the Great Lakes Commission, the Grosse Ile Nature Conservancy, Grosse Ile Schools, Sea Grant, and the Detroit/Wayne County Port Authority.

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Commenting on the project, Congressman John Dingell noted, “It is through partnerships like this that we are building the only International Wildlife Refuge in North America. This soft engineering project at the Grosse Ile Nature Area demonstrates how innovative collaboration can recreate a natural shoreline in the Refuge, protect wildlife habitats and native populations, and enhance quality of life and community pride in our region. The Conservancy, MAC, and its funding partners are to be congratulated”. Both projects won an Environmental Achievement Award in 2004 from the Environmental Management Association in the Detroit area.

### **Reference**

Doug Thiel, Past President  
Grosse Ile Nature and Land Conservancy  
(734) 324-6208

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