



Southern Shore Lake Erie Regional Sediment Management – OH
Regional Sediment Management - Beneficial Use of Dredged Material
 Section 204(e) of the 1992 Water Resources Development Act, as amended
 Construction General (Continuing Authorities Program)

Location

- The southern shore of Lake Erie, covering MI, OH, PA, and NY

Project Description

- In cooperation with the State of Ohio in support of their Lake Erie Shore Erosion Management Plan, this project will investigate alternatives to beneficially using this material as a community resource, and will evaluate the Federal interest in restoring and creating and preserving coastal wetland habitat amongst other alternatives. This project is essential to the regional sediment management strategy for Lake Erie
- Project will assist the State of Ohio in developing a regional sediment management plan for the southern shore of Lake Erie, to include sediment budgets and an evaluation of economic and environmental benefits of sediment bypassing at Federal navigation structures
- Feasibility phase is 100% Federally funded

- Design and Implementation is cost-shared 65% Federal and 35% non-Federal

Importance

- Western Lake Erie wetlands are on international flyways important feeding and resting areas for waterfowl (such as ducks and geese) and shorebirds (such as plovers and sandpipers). Less than 10% of the original wetlands remain
- Spawning, nursery, and feeding habitat for a wide variety of game fish and forage fish species contributes to healthy sport fisheries essential to economic vitality of the region
- Since 1850, Lake Erie marshland from Vermilion, OH to the Detroit River has been reduced from over 1,500 square miles to less than 58 square miles

Consequences

- If beneficial reuse of dredged material is not used to restore habitat, Lake Erie Marshland acreages will continue to decline

Project Phase	Est. Fed. Cost of Phase	Federal Funding through FY11	FY12 Requirement	FY12 Budget	FY13 Requirement	FY13 Budget
Feasibility	\$3,000k	\$900k*	\$1,300k	\$0	\$500k	\$0

*\$100k funded through Great Lakes Restoration Initiative (GLRI) Program

Project Sponsor/Customer

- Sponsor - Ohio Department of Natural Resources (ODNR) by letter of request – July 9, 2009, updated on December 27, 2010
- Customer - Lake Carriers Association, OEPA, Citizens of the Lake Erie Watershed

Congressional Interests

- Representative Marcy Kaptur D-OH-9
- Representative Dennis Kucinich D-OH-10
- Representative Marcia Fudge D-OH-11
- Representative Steven LaTourette R-OH-14
- Senator Rob Portman R-OH
- Senator Sherrod Brown D-OH

Current Status

- Additional funding would be used to complete a Lake Erie Sediment by-pass study of Federal Harbors. In concert with ODNR, will launch an e-coastal sediment budget Google Earth application for southern shore of Lake Erie

Issues

- State of Ohio has requested assistance in development of their Lake Erie Shore Erosion Management Plan. Delay of plan development could impact management of sediments impacting Federally maintained harbors

- State of Ohio has expressed concerns about determining the most cost effective and environmentally beneficial location for placement of sands dredged at Fairport Harbor, OH. This study will help resolve this issue



Lake Erie Littoral Drift

Project Manager: Craig M. Forgette, P.E., PMP (716) 879-4187, craig.m.forgette@usace.army.mil