



**US Army Corps
of Engineers**

Presque Isle Beneficial Use Demonstration: Erie, PA



Project Location: Presque Isle Peninsula is located on the southern shore of Lake Erie in the City of Erie, Pennsylvania. The Peninsula acts as a natural breakwater to form and protect Erie Harbor, PA, and is home to Presque Isle State Park

Project Description: The demonstration concept involves placement of 1-3 scows of Erie Harbor sediment at each location near Gull Point to prevent continued loss of habitat critical to the recovery of Great Lakes breeding population of piping plover and other species. Erie Harbor dredging uses bottom dump scows that holds 1,500 cubic yards of sediment and need 8-11 feet of water to open. Monitor, analyze and evaluate the fate and transport of both the sand and silty clay fractions based on results of a tracer study.

Project Authorities: Study and monitoring is being done under Regional Sediment Management - Beneficial Use of Dredged Material Section 204 of the 1992 Water Resources Development Act, as amended Construction General (Continuing Authorities Program). Execution of potential long term changes to dredging will be done under the Erie Harbor O&M authority.

Non-Federal Partner: No cost share sponsor is required for the current Feasibility Study. Pennsylvania Department of Conservation and Natural Resources (PADCNR), Pennsylvania Department of Environmental Protection (PADEP), and the Presque Isle Advisory Board (PIAB) support the demonstration project.

EWN Application: In the past we have placed over 200,000 cubic yards of material in an open lake placement site 3.3 miles away. The demonstration project will document how well natural littoral drift sorts the sediment and place coarser grained sediments near the shore to help restore Gull Point.

ERDC Participation: Joe Gailani will provide expertise in designing and evaluating the tracer study.

Project Status: USACE is coordinating the demonstration project with the State of Pennsylvania, to coincide with the 2015 dredging cycle.



Project Milestones	
PIAB & PADCNR Meeting	22 JAN 2015(A)
Design Tracer Study and modify dredging scope	Spring 2015
Perform Tracer Study using Erie Harbor sediments	Fall 2015

Estimated Project Costs	
Federal	\$300,000
Non-Federal	TBD
Total	\$300,000

Point of Contact	
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