



Pursuing Public Private Partnerships for Engineering With Nature® Projects in Western Lake Michigan)

ERDC Dredging Operations Technical Support Program (DOTS)

U.S. ARMY CORPS OF ENGINEERS

BUILDING STRONG®

Response Summary:

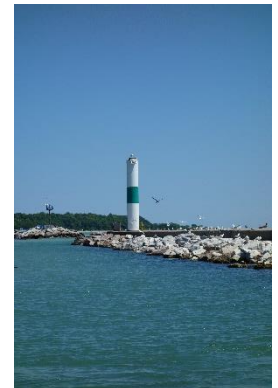
The USACE Detroit District (LRE) requested ERDC-EL support to organize and lead a Working Group (WG) to enhance aquatic and related habitats of Western Lake Michigan through the use of public/private partnership agreements. As part of the response, ERDC-EL will help LRE develop a Contributed Funds Agreement (CFA) and other authorities between the USACE and MKE Harbor stakeholders that will allow for joint funding of projects that enhance aquatic and related habitats in Milwaukee Harbor and other Federal harbors in Western Lake Michigan. The WG will be utilizing other Corps Authorities to advance aquatic ecosystem restoration and beneficial use of dredged material projects. Authorities include, but are not limited to, Section 506 Great Lakes Fishery and Ecosystem Restoration (GLFER), Section 206 Aquatic Ecosystem Restoration, Section 204 Beneficial Use of Dredged Material, Remedial Action Plan (RAP), and Section 22 Planning Assistance to States (PAS). The WG builds on the success of the pilot project where fish habitat was created on a breakwater in Milwaukee Harbor in 2014-2017. The WG seeks to protect and improve quality of habitat (for both resident and transient species) at locations designated as Biological Hot Spots in Milwaukee Harbor and Hot Spots identified in other Federal harbors.

Period of Performance:

May – July 2018

Benefits of the Response to the USACE Dredging/Navigation Program:

The benefits of the technical response to the Dredging /Navigation programs are multiple, and include adding additional benefits (economic, social, and environmental) to hardened navigation infrastructure such as breakwaters and identifying innovative ways in which sediment dredged from Federal navigation channels can be used to maximize benefits of beneficial use projects in western Lake Michigan. The response will also apply Engineering With Nature® principles in practice. Working Group members include the Fund for Lake Michigan, Harbor District, Milwaukee Metropolitan Sewerage District, Port of Milwaukee, University of Wisconsin Milwaukee, and Wisconsin Department of Natural Resources.



Deliverable:

The product that was generated was the first face-to-face meeting of the WG to develop goals and objectives, discuss project ideas consistent with those objectives, and identify authorities needed to implement the first projects.



Providing environmental and engineering technical support to the U.S. Army Corps of Engineers Operations and Maintenance navigation and dredging missions

Burton Suedel
Environmental Laboratory • Burton.Suedel@usace.army.mil

DOTS ID: DOTS-18-R44