

EWN FY15 IPR



Ashtabula Breakwater Tern Habitat, Suedel

■ Problem

Standard infrastructure design and maintenance is narrowly focused on the primary project objective, whereas application of the Environmental Operating Principles, via EWN, has great potential to increase sustainability and project benefits, often with minimal added cost.



■ Objective

Incorporate an EWN benefit into a routine District breakwater project to provide a tangible demonstration of the concept

■ Approach

- Work with LRB, TNC, ODNR, NYDEC, regional experts on concept & design
- Plan & construct
- Monitor & report



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■ Project Funding by Year*

- FY13: 50K
- FY14: 225K
- FY15: 250K
- FY16: 130K

*USACE funding only, USEPA, GLRI also providing funding

■ Major Project Deliverables

- TN (Cleveland) in press 7/14
- Progress Report 3/15
- TN (Site Design) Draft 9/14
- Jrnl Article 9/16
- Tech Report 9/16



■ Benefits and Impacts for USACE Civil Works

- Increases project benefits
- Helps restore species
- Improves USACE community relations



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- FY15 Project Update
 - Storms overtopped habitat structure in January and May 2015
 - No terns observed after the May storm
 - Terns were not observed to utilize the structure this year
 - Terns observed feeding in harbor
 - A few to several years are needed for terns to utilize a new habitat (NYDEP, OHDNR, TNC)
 - TNC poised to take over monitoring activities after FY16



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■ FY14-15 Products

- Site Added to EWN ProMap 11/13
- University of New England Presentation 1/14
- Project Fact Sheet Updated 8/15
- Milwaukee Green Breakwater Meeting 3/14
- Savannah District Presentation 3/14
- Ashtabula Star Beacon Newspaper Article 3/14
- USA Today Newspaper USACE Special Issue 4/14
- National Public Radio Story 5/14
- Restore America's Estuaries 11/14
- IAGLR 6/15
- Collaborations with TNC, ODNR, NYDEC, USEPA
- Fredette et al. 2015 Tech Note Ashtabula Site Design (In Press)
- Progress Report

