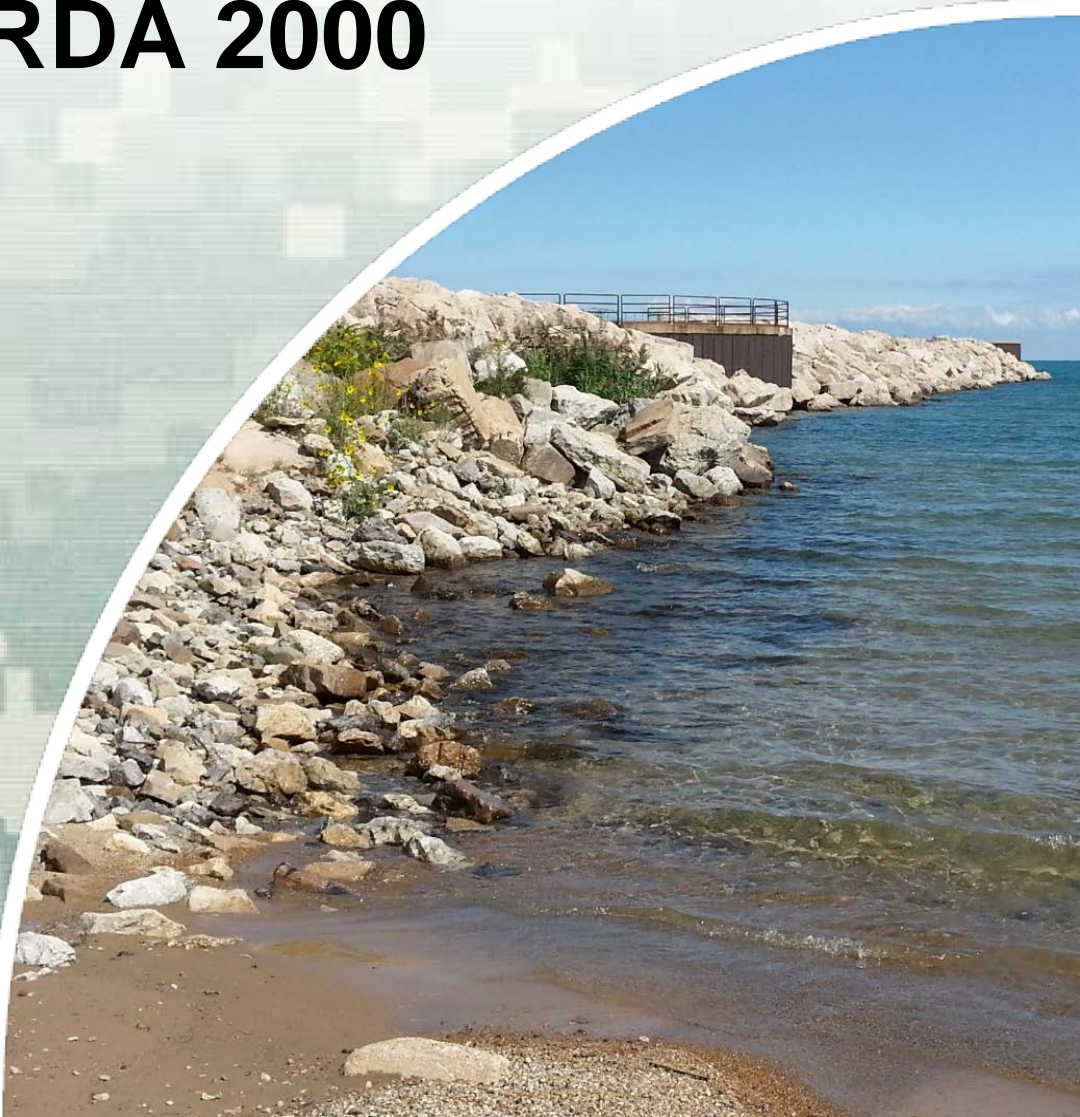


Jeorse Park Beach Ecosystem Restoration Section 506 of WRDA 2000

USACE, Chicago District
October 2017



US Army Corps of Engineers
BUILDING STRONG



Outline

- ❑ Background
- ❑ Sec 506 Restoration Project
- ❑ Contract Award
- ❑ Status



Background

- ❑ USACE is working with the Jearse Park Taskforce which includes federal, state and local stakeholders brought together to solve degraded ecosystem and poor water quality problems at Jearse Park Beach
- ❑ City of East Chicago is the local sponsor
- ❑ Ecosystem restoration of beach, dune and lacustrine habitat along 4,500 feet of Lake Michigan covering 14.1 acres



Background

- ❑ Section 506 provides the authority to plan, design, and construct projects that support the restoration of fisheries, ecosystems, and beneficial uses of the Great Lakes
- ❑ Great Lakes Fishery and Ecosystem Restoration (GLFER) Section 506 of Water Resources and Development Act (WRDA) 2000 is the authority
- ❑ Jeorse Park Sec 506 project is funded with USEPA managed Great Lakes Restoration Initiative (GLRI) funds



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GLFER Restoration Project Features



Habitat

- Breakwater Plantings - 5,100 Shrubs & 2,000 Plugs
- Beach Plants - 1,500 Shrubs & 33,000 Plugs
- Pine Plantings - 80 White Pine, 25 Jack Pine, 500 Shrubs & 6,000 Plugs
- Rock Reef - 2 cobble mounds provide 25 acres of fisheries benefits

Date: 6 Sept 2017



Contract

- ❑ Contract Awarded to Foundation Mechanics
30 September 2016
- ❑ Contract Value: \$1,361,958.00



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Contract Status

- Initial invasive species removal w/ monthly follow up treatments
- Breakwater aggregate and sand planting medium has been placed and is settling
 - ▶ Cover crop has been seeded for winter 2017-18 protection
 - ▶ Safety issue (sink holes) to be addressed through added fencing
- Cobble mound fish reefs have been installed



Representative
cobble material
used in construction
of rock reef habitat



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Woody Invasive Species Removal

2016

Removed aggressive native and invasive tree species such as Russian Olive and Cottonwood.

Will be replaced with White and Jack Pines more suitable for dune habitat.

2017



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Contract Status

- ❑ Land-moving and grading activities to begin on the dune habitat early to mid-October
- ❑ Permanent seeding will occur across the entire project following grading activities
- ❑ Plugs, Shrubs and Tree plantings will occur Spring 2018
 - Propagation issues with several species pushed the planting schedule into the second year of contract
 - Contractor remains responsible for initial performance criteria at end of year 5
- ❑ Establishment activities will continue through the 5 year contract
 - Watering
 - Invasive species removal/treatment
 - Native plant replacement as necessary





Questions?