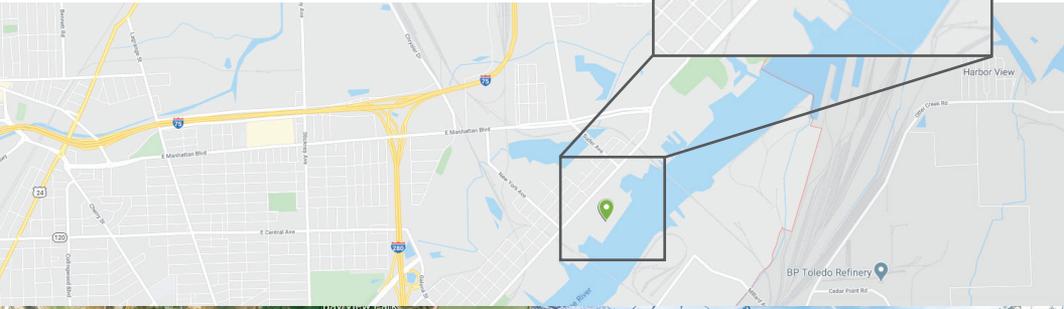
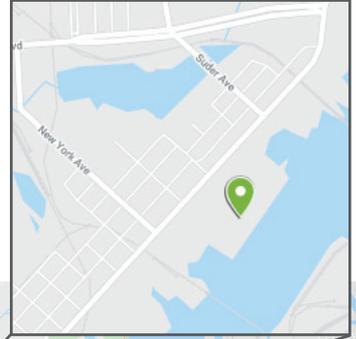


# Maumee River Habitat Restoration Project at Penn 7

## WHAT'S BEING ADDRESSED:

## BUI 14: Loss of Fish & Wildlife Habitat

The 59-acre Penn 7 project site is located in Toledo, Ohio, on the lower Maumee River near its mouth into Lake Erie. The site was previously a confined disposal facility that accepted sediment dredged from the Maumee River shipping channel in the late 1960s-early 1970s. Penn 7 sits along a section of the Maumee River where shorelines are predominantly lined with metal walls and where floodplain wetland habitat is almost non-existent.



## PARTNERS:

This project is funded by a Great Lakes Restoration Initiative award that is supported by the National Oceanic & Atmospheric Administration and the Great Lakes Commission Regional Partnership through a subcontract to the City of Toledo. The engaged project management team also includes Ohio EPA, ODNR Division of Wildlife, and the contracted environmental engineering firm, Hull & Associates, LLC.

Learn more at [maumeeaac.org](http://maumeeaac.org)



## PROJECT BENEFITS:

Due to the high amount of urban development along the lower Maumee River, much of the original fish and wildlife habitat has been lost. This restoration project will:

- Provide quality spawning and nursery space for over 40 species of Lake Erie fish;
- Provide quality habitat for native birds, amphibians, reptiles, mammals, and river bottom communities;
- Provide important migratory stopover space for many bird species; and
- Improve water quality and the overall environmental health of this area.

## PROJECT OBJECTIVES:

- Improve and maintain approximately 59 acres of terrestrial and aquatic habitat to address a Beneficial Use Impairment (BUI) in the Maumee Area of Concern through the creation/restoration of:
  - 9.5 acres of submerged and emergent wetlands
  - 8.5 acres of coastal wetlands/open water habitat
  - 20+ acres of upland habitat;
- Reduce suspended sediments and nutrient concentrations of stormwater that flows into the restored habitat to improve water quality; and
- Control invasive plant species while promoting native species.

## MANAGEMENT PRACTICES:

- To connect the upstream portion of the site with the Maumee River, a water control and fish passage structure will be installed within the existing dike.
- To allow river water to flow to and through the new wetland habitat, sediment will be excavated and recontoured in the upstream portion of the site.
- A channel will be excavated to connect the new upstream wetland to the existing downstream embayment where habitat enhancements will be installed.
- To protect/enhance the embayment, a dike with a water control and fish passage structure will be installed between it and the Maumee River.



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