

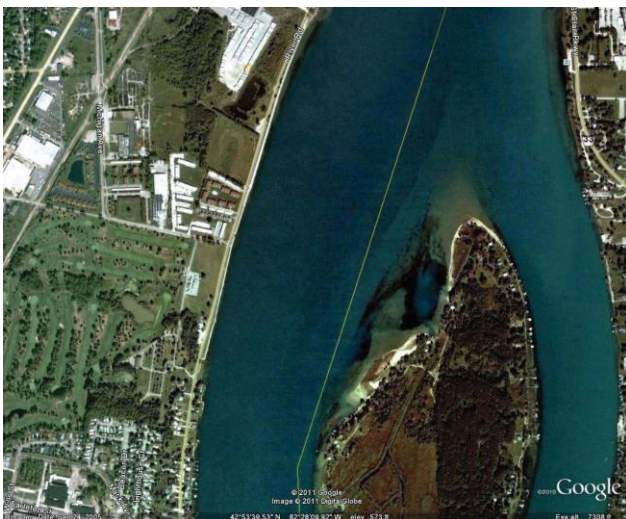
**Project Description:**

In 2009 President Obama created the first-ever, large-scale financial commitment to address persistent & historical environmental problems in the Great Lakes. This program, known as the **Great Lakes Restoration Initiative**, was funded at \$475 million in 2010.

The **City of Marysville's St. Clair River Living Shoreline Restoration Project** competed against 1,000 other applicants to become one of the 270 projects funded under this initiative.



*Failing seawall and sidewalk poses a safety risk*



The purpose of the St. Clair River shoreline restoration project is to stabilize the shoreline while also providing fish and wildlife habitat in the water. The existing seawall and adjacent sidewalk are currently failing due to inadequate drainage. The design includes seawall removal, an elevated boardwalk, emergent and submergent wetland vegetation, native plants, gravel and cobble beds, and riprap bank protection.

This project will provide increased fisheries habitat while advancing the delisting of the “Loss of Fish and Wildlife Habitat” Beneficial Use Impairment for the St. Clair River Area of Concern.

Upon completion, this project is expected to accomplish the following:

- Remove 1,900 feet of steel seawall
- Construct approximately 2,000 ft or 2.7-acres of living shoreline
- Install 10,000 native plant plugs and an acre of native seed over the five acre site
- Install 3,000 live plant stakes
- Spot application of selective herbicide to control invasive plants (mostly phragmites) over 0.5 acres over the next two years
- Removal of broken concrete and debris
- Install at least nine root wads (large woody debris) for shallow water habitat
- Establish approximately 5,700 square feet of emergent wetland
- Establish approximately 1,100 square feet of submergent wetland
- Install 750 cubic yards of gravel and cobble clusters for fish spawning

For more information, please contact:

Randy Fernandez, [rfernandez@cityofmarysvillemi.com](mailto:rfernandez@cityofmarysvillemi.com) or Michelle LaRose, JFNew Consultant, [michelle.larose@cardno.com](mailto:michelle.larose@cardno.com)

**BEFORE PHOTOS**

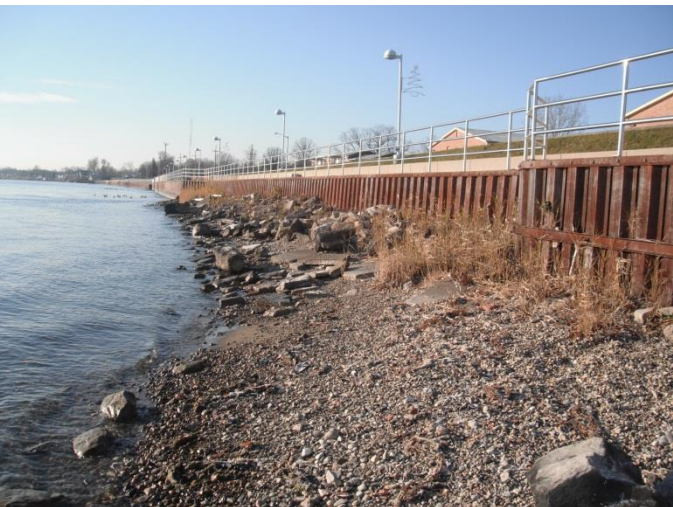
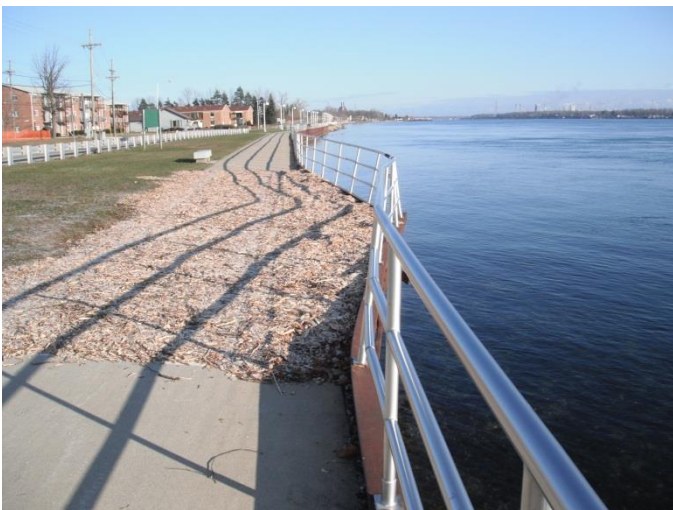


**AFTER PHOTOS**





**BEFORE PHOTOS**



**AFTER PHOTOS**

