

# EUCLID CREEK STREAM & WETLAND RESTORATION

East Cleveland, Ohio

## **CLIENT**

Euclid Creek Watershed  
Coordinator Cuyahoga  
SWCD

## **KEY SERVICES PROVIDED**

- Design-Build Stream and Lacustrine Wetland Restoration
- Public Outreach
- USACE Hydraulic Permitting Coordination

## **PROJECT DURATION**

April 2011 – Spring 2013

## **KEY STAFF**

### **EnviroScience - Prime**

Joel Bingham  
Jeff Niehaus  
Chad Edgar  
Michael Liptak  
Tim Walters

### **GPD Group**

### **RiverReach Construction**



Euclid Creek is a tributary to Lake Erie that is heavily urbanized and affected by urban runoff and habitat degradation in the City of Cleveland. It has been listed by the USEPA as an Area of Concern, and has been targeted for improvement through the Great Lakes Restoration Initiative. The lower Euclid Creek within Wildwood Lakefront State Park was identified as an ideal location to restore an urban coastal lacustrine estuarine refuge. The primary objective of the project was to re-establish and improve the migration and spawning of coastal freshwater fish species and wildlife. To meet this objective, a design / build restoration of approximately three acres of lacustrine wetland and 1,100 feet of stream was completed along the historic alignment of Euclid Creek. This was accomplished by excavating the majority of a three-acre upland oxbow island to lacustrine wetland elevations, and filling and grading within the previously channelized reach to reconnect the stream with its historic alignment. A majority of the existing vegetation was preserved to create shading, wind protection and riparian canopy for fish, wildlife and migratory water fowl. RiverWorks successfully navigated an additional effort of permitting coordination and review process with USACE hydraulic division due to the presence of an upstream flood control project. Hydraulic modeling and modifications to the design plan were implemented to meet the additional goals of this agency. The project has had several successful public outreach meetings and volunteer participation events. Overall project perception by residents and park users is very positive. The stream and wetland area are functioning very well despite multiple tests by heavy rains and flooding at early stage of the project.