

Little (Bradley) Lake Rehabilitation

Project Information:

Client Name: City of Sturgeon Bay

Project Location: Sturgeon Bay, Wisconsin

Miller Engineers & Scientists, along with the University of Wisconsin-Oshkosh, completed a lake management and restoration plan for Little (Bradley) Lake, located in Sunset Park on the shores of Sturgeon Bay. The lake has been severely impacted by its urban setting and storm water inputs.

Miller and UW-Oshkosh worked together to collect data on water quality. For the first phase of this project, an aquatic plant management plan and concept plan that included restoration of the shoreline and aquatic communities, as well as improved storm water management processes, were provided to the City.

In the second phase of the project, we created final restoration and management plans for the lake. Alternative stormwater management was incorporated into the plans as a naturalized and sustainable solution to improve water quality. Invasive species control and nutrient management were also addressed, as the lake and shoreline are now dominated by invasive plant species. The ultimate goal of this project was to mitigate stormwater impacts to the lake and restore it to a sustainably-functioning ecosystem.

In the final phase of the project, Miller designed public access, including walking and non-motorized trails, as well as a boat launch and fishing pier. We also provided construction plans and specifications for lake rehabilitation; stormwater treatment and control using forebays, infiltration, and treatment wetlands; and planting plans including specifications for establishment and maintenance of native species.



Project Highlights:

- Creation of Restoration and Management Plans to improve water quality and park aesthetics
- Public access design, including non-motorized trails, boat launch, and fishing pier
- Naturalized storm water management as a sustainable method to reduce storm water impacts and improve water quality
- Currently working with the City to obtain grant dollars for construction

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