

Fish Point Park

Water Quality Improvements Project

Ribbon Cutting Event

Preserving Lower Prior Lake

Lower Prior Lake is an important, widely-used local and regional recreational amenity, particularly for boating and fishing. In hopes of preserving and improving the water quality of Lower Prior Lake, the Prior Lake-Spring Lake Watershed District completed a 2013 Diagnostic and Feasibility study which determined that water quality in the majority of the lake is determined by the runoff and drainage from its watershed. The study identified areas that contribute to harmful nutrients entering Lower Prior Lake and suggested actions to protect and improve the water quality of the lake. One of the projects identified was the **Fish Point Park Water Quality Improvements Project**.



Volunteer Planting Event on 05/26/17

Ribbon Cutting Event

October 24th

3:30pm

Putting Solutions to Work!

The Prior Lake-Spring Lake Watershed District and the City of Prior Lake have successfully implemented four different actions at Fish Point Park that work together to improve the quality of the stormwater heading to Lower Prior Lake:

1 - Wetland Expansion & Restoration

The restoration of native plants surrounding the wetland help to filter the runoff from the park and surrounding development. By expanding the basin, the wetland more effectively treats stormwater by allowing sediments to settle out and provides more time for water to infiltrate and evaporate.

2 - Outlet Structure

The outlet structure allows water levels in the wetland to be controlled, holding back water during rain events and then slowly releasing it into the Iron-Enhanced Sand Filter.

3 - Iron-Enhanced Sand Filter

The Iron-Enhanced Sand Filter treats incoming stormwater before it enters the lake. The iron component holds onto phosphorus that moves through the system, limiting the amount of this algae-producing nutrient that reaches the lake.

4 - Prairie Restoration

Turf areas were re-seeded with native plants that reduce erosion, increase infiltration into the soil, and decrease the amount of pollutant discharge through their extensive and deep root systems.

Many of the innovative approaches to nutrient management were developed by the District's engineer, EOR.



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PROJECT PARTNERS:

**PRIOR LAKE
SPRING LAKE**
WATERSHED DISTRICT

