

Long Lake Native Buffer Restoration Project

A. Project Location



Figure 1. Location map for Long Lake Native Buffer Restoration Project.

Project Location	Immediate Waterbodies Impacted
<p><u>Long Lake Native Buffer Restoration Project:</u> Located on the eastern shores of Long Lake south of 75th Street North, East of Manning Ave North, and north of Highway 36 in Stillwater, MN. (Figure 1)</p>	<p>Long Lake</p>

B. Description of Facility

I. General Site Description

Partners	Project Purpose	Project Completed	Maintenance Requirement
(BCWD), BWSR	Establish a riparian buffer and restore 3,500 linear feet of the vegetative community on the eastern banks of Long Lake.	Fall 2011	15 years

II. Accessibility

To maintain the Long Lake Native Buffer area, access is available via the city trail off Nightingale Boulevard that runs through the buffer area.

a. Normal Operating Procedures

The following personnel can be contacted for normal operating procedure questions.

Contact Personnel		Contact Number	Organization
Primary	Karen Kill, Administrator	651-330-8220 x26	BCWD
Secondary	John Sarafolean	651-470-5421	Emmons & Olivier Resources, Inc.

b. Common Operating Problems

Invasive vegetation growth is the main issue observed in the Long Lake Native Buffer.

C. Maintenance and Inspection Requirements

I. Planning Maintenance and Inspections

Inspections should be made one to two times per year between the months of April and November.

a. Inspection Procedures

Item	Location	Parameter Measured	Inspection Frequency
North Buffer Area	West of Nightingale Blvd and north of Marine Circle	Vegetation health, presence of invasive vegetation species, and debris in the buffer area.	1 – 2 times per year
South Buffer Area	South of Marine Circle and west of Nightingale Blvd.	Vegetation health, presence of invasive vegetation species, and debris in the buffer area.	1 – 2 times per year

Inspections should include documentation (*Record of Annual Inspection and Maintenance Program*) and measurements of the following buffer components:

1. Document the presence of any debris or garbage in the vegetation buffer area.
2. Document the presence, quantity, and relative location of any invasive plant species.
3. Document any areas of concern observed in the buffer area.

b. Maintenance procedures

Item	Corrective Action	Maintained by	Maintenance Frequency	Estimated Annual Cost (Based on 2026 Estimate)
North Buffer Area	Mowing, pulling, and spot-spraying invasive species	BCWD Contractor	As determined by inspections	\$1,500
South Buffer Area	Mowing, pulling, and spot-spraying invasive species	BCWD Contractor	As determined by inspections	\$1,500
Entire Buffer Area	Vegetation Management Inspection	BCWD	Annually	\$700
Anticipated Total Yearly Cost:				\$3,700

Maintenance activities will include mowing, pulling, and spot-spraying invasive species. The maintenance will be performed by a contractor experienced in native plant community restoration with a licensed herbicide applicator. Scheduling and frequency of the maintenance visits are to be determined by the inspections.

D. Maintenance Responsibilities and Agreements

BCWD is responsible and will secure an experienced native plant community restoration contractor with a licensed herbicide applicator. BCWD is responsible for maintaining the native buffer area until the year 2026.

E. Records and Reporting

Records and reporting should be submitted to and maintained by BCWD.

Record of Annual Inspection and Maintenance Program:

Inspector Information			
Visit Number:			
Name			
Date:			
Sub Area	Inspected	Observed	Notes
North Buffer Area	Invasive Species	Yes / No	
	Garbage / Debris	Yes / No	
	Threats to buffer	Yes / No	
South Buffer Area	Invasive Species	Yes / No	
	Garbage / Debris	Yes / No	
	Threats to buffer	Yes / No	
<i>Additional Inspection Notes:</i>			
Contractor / Maintenance Crew Information			
Date:			
Name:			
Phone:			
Address:			
<i>Maintenance Description:</i>			

F. Appendices

I. Agreements

Agreements:

- Vegetation Maintenance agreement –EOR
- Native Buffer Agreement - BWSR