

PROJECT REQUEST FORM
Lower St. Croix Partnership – Watershed Based Implementation Funding

To: Activity #2 Structural Urban Subcommittee, Steering Committee **Date:** 2/9/2023
From: Carnelian Marine St. Croix Watershed District
Subject: WBIF Project Request: Oak Street Bioretention Basins Marine on St. Croix

Table of Acronyms

CWMP: Comprehensive Watershed Management Plan	LSC: Lower St. Croix
SWCD: Soil & Water Conservation District	WD: Watershed District
WBIF: Watershed Based Implementation Funding	WMO: Watershed Management Organization

Eligible Project Sponsors

A sponsoring agency is required for each submitted project. The sponsor fills out this request. That agency must be a party to the Joint Powers Agreement for the implementation of the Lower St. Croix Comprehensive Watershed Management Plan. The sponsor, if the project is selected for funding, will enter into a subcontract with the Chisago Soil and Water Conservation District (SWCD) for project funding.

Description of Project (brief paragraph)

Installation of two bioretention basins at the eastern most end of Oak Street in Marine on St. Croix. The basins (located 185 feet up stream of the St. Croix River) will intercept stormwater flows from 2.16 acres of residential neighborhoods. The basins will provide 1,240 cubic feet of retention volume and will reduce total phosphorus discharging to the St. Croix River by approximately 1.9 lbs. per year.

Benefitted Waterbody Information (add rows for additional waterbodies if necessary)

Target waterbody	St. Croix River
Waterbody area (acres)	NA
Watershed area (acres)	7,700 sq.mi.
DNR shoreline classification	Lower St. Croix Riverway
Description of the watershed and near-shore land uses	Urban residential
Impairment status	Impaired Aquatic Life Nutrients
Protection or restoration	Restoration

Project Details

Project Name	Oak Street Bioretention Basins Marine
Project Sponsor	Carnelian Marine St. Croix Watershed District
Additional Project Partner(s) (other than sponsor)	City of Marine on St. Croix
Project Location (lat/long, address, or description)	45.199781, 92.768274
DNR Level 8 Subwatershed	03706000
Applicable WBIF Work Plan Activity	Activity #2 Urban Structural Subcommittee
Funding Specifically Allocated to this Project in Work Plan (if applicable)	NA

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Estimated Construction Timeline	Construction in Summer 2023
Total Project Cost	\$60,000
Estimated Lifetime Project Cost (incl. O&M)	\$68,000
Requested Grant Funding	\$45,000
Match provided, match source (cannot be state funds)	MPCA 319 Grant and CMSCWD Funding
Target Waterbody (from CWMP Table 5-2, 5-3, 5-4)	St. Croix River
Est. Phosphorus Load Reduction @ Target Waterbody	1.9 lbs./yr.
Est. TSS Load Reduction @ Target Waterbody	265 lbs./yr.
Calculation Tool Used	MIDS Calculator
Project Lifespan	30 years
Lifetime Cost-Benefit (\$/lb phosphorus removed)	\$1,193 per lbs.TP

Pre-Project Identification

Total phosphorus load entering target waterbody	N/A
Total suspended solids load entering target waterbody	N/A
Major sources of nutrient loading	Landuse
P reduction required to achieve water quality goal	37,143 lbs./yr. (Table 5.2)
Completed projects, load reduction	N/A
Alternative projects, load reduction	Alternatives were considered

List of Informational Attachments/Templates Included With Form:

1. WBIF Project Request Process Flow Chart
2. CWMP Priority Waterbody Maps
3. CWMP Appendix C – Project Targeting Criteria and Scoring Matrix (for [Activities 2, 4, 5, 9](#))
4. Wetland Restoration Scoring Matrix (for [Activity 6](#))
5. Internal Analysis Request for Funding (for [Activity 7](#); filled out by applicant)
6. Internal Analysis Selection Criteria (for [Activity 7](#); filled out by subcommittee)
7. Targeting Analysis Scoring Matrix (for [Activity 8](#))

Required Attachments for Requesting Partner to Complete (check all that apply):

- Project Plans/Visual/Map (for all requests)
- Completed Appendix C Project Scoring Matrix (for [Activities 2, 4, 5, 9](#))
- Completed Wetland Restoration Scoring Matrix (for [Activity 6](#))
- Completed Internal Analysis Request for Funding (for [Activity 7](#))
- Completed Internal Analysis Selection Criteria (for [Activity 7](#))
- Completed Targeting Analysis Scoring Matrix (for [Activity 8](#))

WBIF Work Plan Activity Color Coding
Implementation - BMPs/Restoration Activities
Implementation - Shared Services
Prioritization & Analysis
Administration

Submit this form and attachments to Angie Hong at (ahong@mnwcd.org) one week prior to the Steering Committee meeting.

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Steering Committee Roll Call Vote

Steering Committee roll call vote to recommend Carnelian Marine St. Croix Watershed District project for Lower St. Croix Watershed Based Implementation Funding in the amount of \$45,000 for the Oak Street Bioretention Basins on Marine on St. Croix

Organization	Aye	Nay	Absent
Anoka SWCD			
Brown's Creek WD			
Carnelian Marine St Croix WD			
Chisago County			
Chisago Lakes LID			
Chisago SWCD			
Comfort Lake Forest Lake WD			
Isanti County			
Isanti SWCD			
Middle St. Croix WMO			
Pine County			
Pine SWCD			
South Washington WD			
Sunrise River JP WMO			
Valley Branch WD			
Washington CD			
Washington County			
TOTAL (need majority vote to pass)			