

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

**To:** Targeting Analyses Subcommittee, Steering Committee      **Date:** 04/19/2023  
**From:** Chisago Soil and Water Conservation District  
**Subject:** WBIF Project Request: Goose Creek SWA

**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)**

Identify Best Management Practices in the rural portions of the Goose Creek Watershed through the subwatershed assessment process. We will locate, model, and provide cost estimates for the watershed using the Lower St. Croix Watershed approved tools and protocols.

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

Target waterbody	Goose Creek/St. Croix River
Waterbody area (acres)	12 river miles
Watershed area (acres)	17,265 acres
DNR shoreline classification	Perennial Stream
Description of the watershed and near-shore land uses	Rural/Agriculture
Impairment status	Impaired (multiple)
Protection or restoration	Restoration

**Project Details**

Project Name	Goose Creek Rural Assessment
Project Sponsor	Chisago SWCD
Additional Project Partner(s) (other than sponsor)	
Project Location (lat/long, address, or description)	45.6142/92.9466
DNR Level 8 Subwatershed	07030005 – Lower St. Croix
Applicable WBIF Work Plan Activity	Activity 9
Funding Specifically Allocated to this Project in Work Plan (if applicable)	\$45,000 for Targeting Analyses
Estimated Construction Timeline	Winter 2023-2024
Total Project Cost	\$12,000
Estimated Lifetime Project Cost (incl. O&M)	

# PROJECT REQUEST FORM

## Lower St. Croix Partnership – Watershed Based Implementation Funding

Requested Grant Funding	\$12,000
Match provided, match source (cannot be state funds)	
Target Waterbody (from CWMP Table 5-2, 5-3, 5-4)	Goose Creek/St. Croix River
Est. Phosphorus Load Reduction @ Target Waterbody	TBD
Est. TSS Load Reduction @ Target Waterbody	TBD
Calculation Tool Used	RUSLE, BWSR Spreadsheet, and other approved calculators.
Project Lifespan	N/A
Lifetime Cost-Benefit (\$/lb phosphorus removed)	TBD

### Pre-Project Identification

Total phosphorus load entering target waterbody	11,000 pounds
Total suspended solids load entering target waterbody	
Major sources of nutrient loading	Rural runoff
P reduction required to achieve water quality goal	2,980 pounds
Completed projects, load reduction	
Alternative projects, load reduction	

### 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
<a href="#">Implementation - BMPs/Restoration Activities</a>
<a href="#">Implementation - Shared Services</a>
<a href="#">Prioritization &amp; Analysis</a>
<a href="#">Administration</a>

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

# PROJECT REQUEST FORM

## Lower St. Croix Partnership – Watershed Based Implementation Funding

### Steering Committee Roll Call Vote

Steering Committee roll call vote to recommend the Chisago SWCD project for Lower St. Croix Watershed Based Implementation Funding in the amount of \$12,000 for the Goose Creek Rural Assessment.

<b>Organization</b>	<b>Aye</b>	<b>Nay</b>	<b>Absent</b>
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			
Valley Branch WD			
Washington CD			
Washington County			
<b>TOTAL (need majority vote to pass)</b>			

# Lower St Croix Partnership Prioritization and Targeting Analysis Eligibility

Submit completed form to Steering Committee as an attachment to PROJECT REQUEST FORM

A. Requesting Partner and Contact			
<u>Partner Name</u>	<u>Project Contact</u>	<u>Contact Phone</u>	<u>Contact Email</u>
Chisago SWCD	Craig Mell	651/674-2333	craig.mell@mn.nacdnet.net

B. Project Information
<u>Project Name</u>
Goose Creek Rural Subwatershed Assessment

C. Protocol or Technique
<input checked="" type="checkbox"/> SWA <input type="checkbox"/> Feasibility Study <input type="checkbox"/> Street Sweeping Prioritization <input type="checkbox"/> Base Data Generation <input type="checkbox"/> Other: _____
<u>Assessment Type:</u> <input type="checkbox"/> Urban <input checked="" type="checkbox"/> Rural/Agricultural <input type="checkbox"/> Combined Urban/Rural

D. Gatekeeper Criteria – Please Review, Internalize, and Check
<input checked="" type="checkbox"/> <b>Priority Location:</b> The proposed activity is located in a priority location listed in the Implementation (See Table 5.1).
<input checked="" type="checkbox"/> <b>Priority Activity:</b> The activity is listed as a high or medium priority for Watershed Based Implementation (See Section VI.E).
<input checked="" type="checkbox"/> <b>Protocol:</b> The activity will follow established protocols (see notes below).
<input checked="" type="checkbox"/> <b>Agreement:</b> Partner will enter into agreement with Chisago SWCD to provide services/product and meet deadlines in the agreement.

### Program Tracking

Steering Committee	Chisago SWCD
<input type="checkbox"/> Date:	<input type="checkbox"/> Date:

**Protocol Notes:**

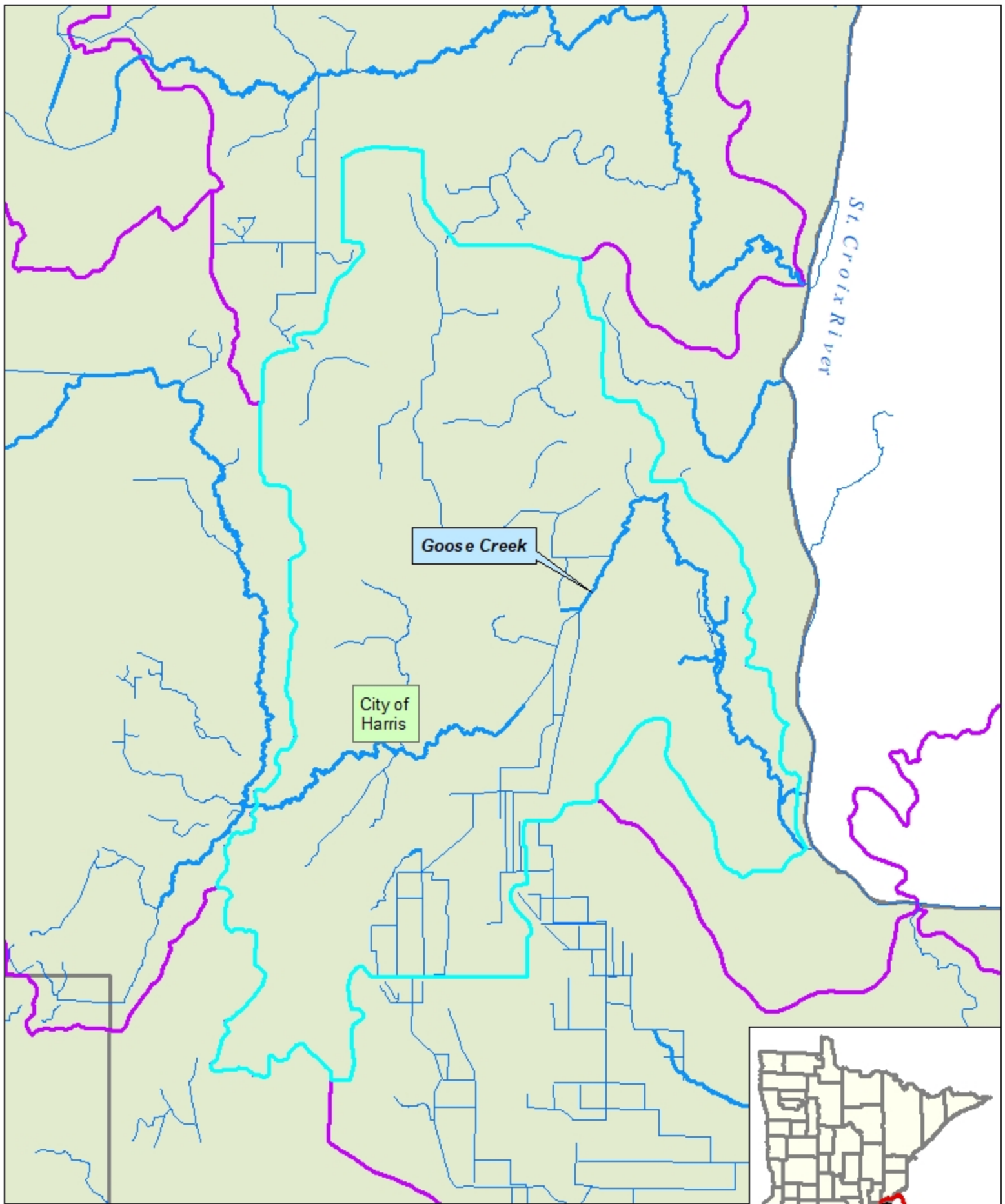
Gatekeeper Criteria (from CWMP Section VII.B. on page 95):

3. An analysis is complete and/or data are gathered to target and prioritize specific projects where they will have most benefit using the analyses components below\*; or the project is outside an area with a completed prioritization but has a similar cost benefit as a previously analyzed project and benefits the same water resource as the completed analysis. \*\*

\*Minimum components of targeting and prioritizing analyses (e.g., SWA (see sidebar on CWMP page 95), diagnostic study, feasibility study):

- ✓ Spatial analysis that includes pollutant delivery evaluation to the targeted waterbody
- ✓ Desktop analysis that includes historical aerial photo review
- ✓ Water quality modeling or monitoring for load reduction analysis
- ✓ Field evaluation for BMP feasibility and potential
- ✓ Cost benefit analysis completed in two ways. First, based on amount of WBIFs/pound total phosphorus removed, and second based on the total project cost/pound total phosphorus removed, both annualized for the anticipated life of the project based on accepted standards (The first calculation would be important if a project includes significant funding partners. For instance, in the case of some very large projects, such as urban retrofits, a private entity or local government may contribute significant funds. In those cases, the cost benefit to state taxpayers contributing to WBIFs would be much lower than the cost benefit of the total project.)

Sweeping plans will be developed utilizing GIS with the following steps: 1. identify direct drainage to priority catchments, 2. Identify current sweeping frequency in the direct drainage catchments, 3. Identify canopy cover density (low, medium, high) based on tree canopy assessment protocol, 4. Identify increased sweeping frequency in late spring, early summer and fall in medium and high-density canopy cover areas directly draining to priority water resources, 4. Produce color coded street maps that indicate sweeping frequencies in late spring, early summer, and fall; summarize recommended enhanced sweeping curb miles, and identify total cost estimate for implementing enhanced street sweeping.



Chisago SWCD

## ***Goose Creek Watershed Rural Assessment***

