

**CPL
Applications**

(Total to date: 129)

Conservation Partners Legacy Grant Application

CPL1000087

Spreadsheet

Name and Contact

Project Identifier:	CPL1000087	Street Address 1:	1380 W. Frontage Rd.
Project Name:	Lake St. Croix Beach Bluffland Restoration	Street Address 2:	Hwy 36
Organization Name:	Middle St. Croix Watershed Management Organization	City:	Stillwater
Organization Website:		State:	MN
Organization Contact Person:	Amy L. Carolan	Zip Code:	55082
Contact Email:	ACarolan@mnwcd.org		
Contact Phone:	651-275-1136		

Location

Primary County: Washington

Nearest City:

Township:

Project Site Name: Lake St. Croix Beach Bluffland Restoration

Project Site Land Ownership: Local

Other Land Ownership:

Project Information

Primary Activity: Restoration

Primary Habitat Type: Forest

Total Project Acres: 5

Total Project Sites: 1

Total Grant Amount Requested: \$238950

Total Match Amount: \$26550

Total Project Cost: \$265500

Project Completion Date: 10/2012 (MM/YYYY)

Project Summary and Outcomes: The purpose of this project is to restore and protect the deciduous oak forest and woodland located on the bluffland above the St. Croix River in the City of Lake St. Croix Beach. Additionally, this project will work to restore native prairie vegetation on the City's Levy system, which runs approximately 1,000 linear feet along the shoreline. Currently the bluffland in Lake St. Croix Beach is being seriously eroded, and large mature oak trees are being lost. Completion of this project would restore and protect 5.25 acres of natural habitat directly adjacent to the St. Croix River, an important migratory corridor stretching from northern Minnesota to the Mississippi River.

Attachments

- [Project Site Information Form](#)
- [Project Budget and Match Description](#)
- [Partner Commitment Letter](#)
- Financial Documentation
- Conservation Easement
- [Supplementary Attachment #1](#)
- [Supplementary Attachment #2](#)

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Conservation Partners Legacy Grant Program

Project Site Information

Contact information

Project name:	Lake St. Croix Beach Bluffland Restoration
Organization:	Middle St. Croix Watershed Management Organization
Organization contact person (Project Manager):	Amy L. Carolan

Project information

Project site:	LSCB Bluffland	Legal :	T28	R20	S11	QSE
Project site land manager or easement holder:		County:	Washington			
Private land owner (if applicable):	City of Lake St. Croix Beach					

Activity (may choose more than one): ☒ Enhancement ☒ Restoration ☐ Acquisition

Predominant Habitat (choose one): ☒ Forest ☐ Prairie ☐ Wetland ☐ Fish, Game and Wildlife Habitat

Activity quantity: ☒ Acres ☐ Miles ☐ Feet ☐ Structures ☐ Wetlands

Project Site #2, if needed.

Project site:		Legal :	T	R	S	Q
Project site land manager or easement holder:		County:				
Private land owner (if applicable):						

Activity (may choose more than one): ☐ Enhancement ☐ Restoration ☐ Acquisition

Predominant Habitat (choose one): ☐ Forest ☐ Prairie ☐ Wetland ☐ Fish, Game and Wildlife Habitat

Activity quantity: ☐ Acres ☐ Miles ☐ Feet ☐ Structures ☐ Wetlands

Project Site #3, if needed. Use Additional Project Sites form if needed.

Project site:		Legal :	T	R	S	Q
Project site land manager or easement holder:		County:				
Private land owner (if applicable):						

Activity (may choose more than one): ☐ Enhancement ☐ Restoration ☐ Acquisition

Predominant Habitat (choose one): ☐ Forest ☐ Prairie ☐ Wetland ☐ Fish, Game and Wildlife Habitat

Activity quantity: ☐ Acres ☐ Miles ☐ Feet ☐ Structures ☐ Wetlands

Project timeline:

Time frame	Goal	Time frame	Goal
Winter 2010	Complete engineering design and site restoration design plan. Plan will include details for stabilizing portions of the bluff which are slumping and eroding into the St. Croix River.		
Winter 2010	Remove invasive woody shrub species including common buckthorn and Siberian elm using mechanical and chemical methods.		
Spring 2010 - Winter 2011	Complete major construction work to stabilize bluffline using rock riprap and a combination of bioengineering techniques.		
Spring 2010 - Fall 2011	Complete initial revegetation of the bluffland grading from river beach, to oak woodland to dry oak savanna and dry prairie.		
Winter 2011	Follow-up treatment on invasive woody shrub species using mechanical and chemical methods for removal.		
Spring 2011 - Fall 2012	Complete project maintenance activities to ensure project is successful including weed control, prescribed fire where feasible, and patch seeding and plant installation.		

Project description and benefits (box will expand as typed into, not to be longer than 2 pages):

The purpose of this project is to restore and enhance the existing oak forest/oak woodland situated on the bluffland above the St. Croix River in the City of Lake St. Croix Beach. Additionally, this project will work to convert the existing maintained turf grass on the City's Levy system to native prairie grasses. Completion of this project will result in the restoration of 5.25 acres of natural habitat situated directly adjacent to the St. Croix River, an important migratory corridor stretching from northern Minnesota to the Mississippi River.

The St. Croix River bluffland and shoreline in the City of Lake St. Croix Beach is entirely City owned. While a portion of shoreline has been designated as an active-use public swimming beach, the remaining 5.25 acres, including 3,500 linear feet of shoreline, has been maintained as naturalized shoreline.

Overtime, the existing oak forest and woodland found on the bluffs above the St. Croix River (on the City owned property) have become degraded – mainly through two processes – invasion by non-native shrub species (common buckthorn and Siberian elm) and through the loss of stable soils due to seasonal flooding (seasonal floodwaters cut into the unarmored bank causing the sandy bluffland soils to slump and erode away). The erosion issue at this site is severe and large enough that several mature oak trees have already been lost due to the movement of soils. Immediate restoration efforts are necessary to protect this bluffland from further loss of riparian habitat.

Protection of the remaining oak forests and woodlands (including the important understory species) along the St. Croix River is important for many reasons. The Minnesota Statewide Conservation and Preservation Plan outlines the need to protect the shorelands of streams and lakes as they provide corridors of natural vegetation, protect water quality, screen development, and stabilize banks. The Middle St. Croix Watershed Management Organization's 2006 Management Plan also recognizes the need for well-vegetated buffers along the St. Croix River to provide habitat, promote water quality, stabilize shorelines, and provided visual screening.

In order to restore and enhance the remaining oak forest/woodland in Lake St. Croix Beach, the following activities are planned:

1. Hire a qualified firm to develop plans to stabilize the toe of the slope to prevent further eroding/slumping of the banks of the bluffland. This plan will likely include minimal riprap used with bioengineering techniques to create an armored base.
2. Remove woody non-native shrub species such as Siberian elm and common buckthorn to release native understory herbaceous and woody plant species and also to create space for the reintroduction of other native plant species.
3. Reseed disturbed forest/woodland understory using a combination of hydromulching and hand broadcast seeding. Seed mix will be site specific and follow seeding guidelines set forth in the draft 2009 document "Native Vegetation Guidelines".
4. Install additional bioengineering materials such as live stakes and brush bundles to further stabilize the slope (this method will be more fully developed through the engineering/design process).
5. Install native shrubs and trees appropriate for the site in areas where non-native shrubs were removed.
6. Replace existing turf grass at the top on of the slope with appropriate woodland edge/ savanna herbaceous species.
7. Complete two years of follow-up site maintenance to ensure restoration efforts are successful.

Completion of this project would benefit many Species of Greatest Conservation Need (SGCN), namely migratory birds that use the St. Croix River as a route from northern Minnesota to the Mississippi River. And also species in need of diverse woodland habitat near water bodies for nesting and breeding such as the Louisiana water thrush, red-shouldered hawk, and the bald eagle.

In addition to protecting the existing oak forests and woodlands from further degradation, the proposed project also

offers an opportunity to educate area residents on the importance of maintaining a naturalized, healthy riparian buffer between the St. Croix River and existing and future development. The City's public swimming beach, which is directly adjacent to this project site, sees thousands of visitors each summer. The City, in cooperation with the Middle St. Croix Watershed Management Organization, would work to ensure that visitors using the public swimming beach would be informed of the importance of the adjacent project through signage and volunteer events (volunteers may help plant native plugs, water newly planted trees and shrubs, etc.).

Please provide the answers to the following questions. Boxes will expand as typed into.

1. For lands acquired in fee title that will be turned over to a public agency for long-term management:

- a. Provide a description of the work necessary to bring the land up to agency standards and an estimate of the associated cost.

- b. What short- and long-term work is required to manage the land you acquire?

2. For enhancement/ restoration projects on public lands:

- a. Who is/will be the long-term manager for the project site?

The City of Lake St. Croix Beach with technical assistance from the Middle St. Croix Watershed Management Organization.

- b. What short- and long-term maintenance work is required to sustain the habitat work you will do?

Short term maintenance work will include irrigation of new shrubs and trees, control of woody and herbaceous non-native plant species. Long-term maintenance will include monitoring for new or remaining erosion issues, and the presence of non-native plant species.

- c. Who will complete this maintenance work, and how will it be funded?

Maintenance work will be completed by the City of Lake St. Croix Beach - likely through the use Sentence to Serve crews or the Minnesota Conservation Corp. Work will be funded through the City or through small grants available in Washington County.

- d. Will the CPL funds supplant any existing funds?

No.

As required by 2009 MN Session Law, Chapter 172 subd. 10 (8), “any agency or entity receiving an appropriation must, for any project funded in whole or in part with funds from the appropriation, give consideration to and **make timely written contact with the Minnesota Conservation Corps** for consideration of possible use of their services to contract for restoration and enhancement services”. Contact MCC at cplg@conservationcorps.org, or email a copy of this form to the same

address. For more information on costs, crew capabilities, etc., visit MCC's website at <http://www.conservationcorps.org/useacrew.html>.

Signature:

☒ I certify that I have read the Conservation Partners Legacy Grants Program **Request for Proposal, Program Manual** and other program documents, and have discussed this project with the appropriate public land manager, or private landowner and easement holder. I am authorized to apply for and manage these grant and match funds, and the project work by the organization or agency listed below. I have made timely written notification to MCC regarding my project.

Signature: Amy L. Carolan	Organization/ Agency: Middle St. Croix WMO
Title: Administrator	Date: 11-3-2009

Please save this document to your computer or electronic storage device and attach this document as specified on the online submittal form when ready to apply. Contact [CPL Grant Staff](#) with any questions.

CPL Project Application Review and Approval Form

REVIEWER INFORMATION

Land manager/ easement holder name:	City of Lake St. Croix Beach - Janet Simonson		
Title:	City Council member	Date of meeting:	
Phone:	651.436.6653	Proposal ID #:	
Email:	Janetmsimonson@comcast.net	(assigned by agency, optional)	

PROJECT INFORMATION:

Project Name:	Lake St. Croix Beach Bluffland Restoration	Organization:	Middle St. Croix Watershed Management Organization
Contact Person:	Amy Carolan		
Email:	ACarolan@mnwcd.org	Daytime Phone:	651-275-1136 ext. 22

Please check the appropriate boxes:

- ☒ I have read the application and discussed this proposed project with the above listed Organization Contact Person.
- ☐ For work on easements, the private landowner has been contacted and has given support and approval for this project.

I have performed a Natural Heritage Database review and found:

- ☐ this project to have no features within one mile.
- ☒ this project to have features within one mile, but project is not likely to adversely affect those features. I have recommended the following minimization strategy:

There are 21 known occurrences of rare features within 1-mile of the Lake St. Croix Beach Project Site. None are located directly within our project boundaries. The City of Lake St Croix Beach does not have access to the NHIS database. The Middle St. Croix Watershed Management Organization will be responsible for providing detailed information to the DNR

- ☐ this project is likely to adversely affect Natural Heritage features. I feel that this project is important and should be forwarded to DNR Ecological Resources staff for further review.

☒ I do not have access to the Natural Features database and will forward this completed form to DNR within 3 business days to [CPL Staff](#) at LSCPLGrants.DNR@dnr.state.mn.us for review.

I have discussed what role my office will be expected to have in this project and find that the project, as described will require:

- ☐ minimal or no involvement from my office for completion.
- ☒ a commitment of involvement by staff that is reasonable and can be accomplished with current staffing levels and workload.

- ☐ an amount of staff involvement that cannot be committed during the project time period with current staffing levels. Unless additional staffing can be committed from other offices, Divisions or appropriate partners, I feel this project cannot be completed within the project timeline to our desired standards.

CPL Project Application Review and Approval Form

☒ I have discussed permits and applications that the applicant may be responsible for using the Working on DNR Lands and Working on Public Lands, or Working on Private Lands documents.

Upon final review of this project:

- ☒ I find this project to be consistent with sound conservation science. This work will benefit area fish, game and wildlife by restoring, enhancing or protecting forests, wetlands, prairies and habitat and is consistent with the management or stewardship plan for this land. (APPROVAL)
- ☐ I find that this project does not follow the management or stewardship plan for this land and does not fit within the long range goals for this land at this time on the local level. (DECLINE)
- ☐ I find that this project should be sent up to a higher level within the agency for further review and decision. I have forwarded the Project Planning Form and this Review and Approval Form for further review to:

Name:		Phone:	
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☒ By checking this box and typing my name below I certify that I have met with the above applicant and discussed the proposed project and have provided feedback to the applicant.

Name:	Janet Simonson
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Comments: **There are 21 known occurrences of rare features within 1-mile of the Lake St. Croix Beach Project Site. None are located directly within our project boundaries.**

The City of Lake St Croix Beach does not have access to the NHIS database. The Middle St. Croix Watershed Management Organization will be responsible for providing detailed information to the DNR.

Additional review (if necessary):

Name:		Phone:	
Title:		Email:	
Comments(including approval or denial, reasoning):			

Conservation Partners Legacy Grant

Project Budget and Match Worksheet, Application Requirement

Project name:	Lake St. Croix Beach Bluffland Restoration	
Organization:	Middle St. Croix Watershed Management Organization	
Organization contact person (Project Manager):	Amy L. Carolan	

Please complete all sections and be as detailed as possible for all descriptions under the Details sections. Limit entries in large tables to numbers only, **round to the nearest dollar**. Do not edit table categories, only enter values or text into the table. The tables will adjust to accommodate additional text in each box. If all categories are not needed, please leave those fields blank.

BUDGET: amounts being requested **Note: FY refers to State Fiscal Year: July 1- June 30, with the year reflecting the year that June falls in. For example: if today were September 3rd, 2009 it would be FY2010; December 3rd 2010= FY2011; May 2012= FY2012

Budget Item	Fiscal Year 2010	Fiscal Year 2011	Fiscal Year 2012	Total
Personnel				
Contracts	\$83,700.00	\$66,000.00	\$16,000.00	\$165,700.00
Grant Administration	\$2,100.00	\$2,100.00	\$2,100.00	\$6,300.00
Administration/ Environmental Compliance	\$1,000.00	\$500.00	\$0.00	\$1,500.00
Fee Acquisition				
Easement Acquisition				
Easement Stewardship				
Equipment/Tools/Supplies	\$60,000.00	\$20,000.00	\$12,000.00	\$92,000.00
Travel				
Additional Budget items				
Total				\$265,500.00

DETAILS: detail the amounts listed in the above table.

Personnel Details:

Name	Title	Amount

Contract Details:

Contractor Name	Contracted Work	Amount
TBD, based on bid and qualifications, MCC will also be contacted regarding this work.	Contracted work will include placement of rock rip rap and bioengineering materials, removal of non-native shrubs, seeding, planting of native shrubs and trees, and the required follow-up maintenance work.	\$165,700.00

Grant Administration:

Administrative Activity	Description/ Amount	Amount
Grant reporting	Submit necessary information to DNR or other interested parties, including work updates and final reports.	\$1,500.00
Board Meetings	Attend City Council meetings as necessary to provide council members with project updates.	\$1,000.00
Contracts	Prepare bid documents, advertise for bids, and prepare contract documents for hired restoration firms to complete suggested work.	\$1,800.00
Construction Oversight	Complete inspections and construction oversight during installation work.	\$2,000.00

Administration/ Environmental Compliance

Activity	Description	Amount
Permitting	DNR Division of Waters permitting	\$1,000.00
Permitting	Other (local/state/federal permits)	\$500.00

Fee Acquisition/ Easement Acquisition/ Easement Stewardship Details:

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Equipment/Tools/Supplies Details:

Item	Use	Amount
Local ecotype seed	restore herbaceous layer	\$5,200.00
Local ecotype native woody plant species (including live stakes)	restore shrub layer	\$5,800.00
Local ecotype live native plant plugs	restore herbaceous layer	\$5,200.00
Rock Rip-rap and brush bundles	Stablize toe of bluffline	\$75,800.00

Travel Details:

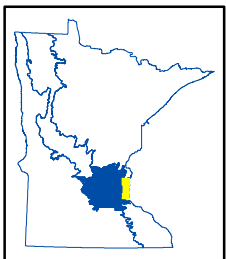
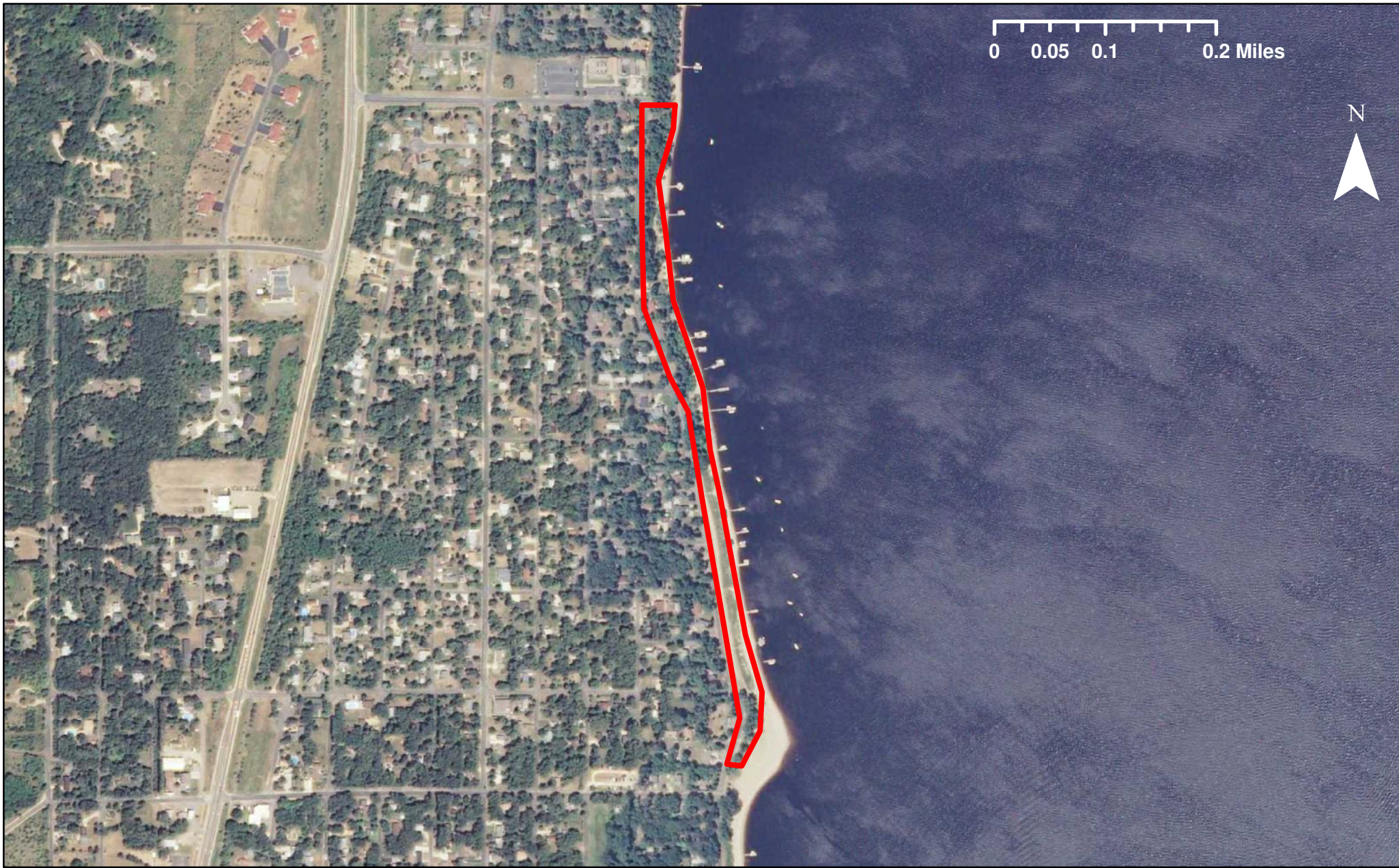
Miles	Purpose	Amount

Additional Budget Items Details:

MATCH: Required 10% of total project funds, to be fulfilled by end of Fiscal Year 2012. Use provided rate sheet to determine unit rate and total value of in-kind services to be used as matching funds if applicable.

Source	Description	Units	Unit Rate	Total Value
City of Lake St. Croix Beach	Cash Match	LS	\$26,550.00	\$26,550.00

Matching description/ comments: if needed



CPL100-087
Lake St. Croix Beach Bluffland Restoration
Washington County, LSOHC Metropolitan
Urbanizing Area Planning Section





Mayor, Julia Lambert
Councilmember, Dan Danielson
Councilmember, Deb Legrid
Councilmember, Linda Geare
Councilmember, Janet Simonson

Staff:
Clerk/Administrator
Cindie J Reiter
Office Specialist
Amy Truhlar

City of Lake St. Croix Beach City Hall
16455 20th Street South
Lakeland, MN 55043

Physical location: Lake St Croix Beach

October 30, 2009

Amy Carolan
MSC Water Management Organization
1380 West Frontage Road Hwy 36
Stillwater, MN 55082

RE: CONSERVATION PARTNERS LEGACY GRANT PROGRAM
PARTNER COMMITMENT LETTER

Dear Amy,

Please consider our commitment letter from the City of Lake St. Croix Beach concerning the grant program. Following are the responses to the information you seek.

What is the name of the project that you are contributing to, and who is the applicant?

Lake St. Croix Beach Bluffland Restoration, Middle St. Croix Watershed Management Organization

What is the name of your organization (private landowners use "Private Landowner")?

City of Lake St. Croix Beach

When will you make the contribution?

The contribution will be made to the project's lead organization (applicant) at the start of the project or as needed.

What is the value of your contribution and how did you determine the value? Does the contribution have a non-state origin?

This City will contribute \$26,550. cash. This contribution has a non-state origin.

If this is based on a fund-raising event or other future action, if that future action fails, will you still provide the contribution amount?

The contribution amount is secure and will be provided regardless of future action.

Signature:

Cindie J. Reiter, MCMC
City Clerk-Administrator/Treasurer,
City of Lake St Croix Beach

Printed Name, Title, and Affiliation:

Date Signed: October 30, 2009

City of Lake St. Croix Beach
Phone: 651-436-7031
Fax: 651-436-8310

e-mail: lscb@comcast.net



MEMORANDUM

TO: Minnesota Department of Natural Resources

FROM: Washington Conservation District, Amy Carolan

DATE: 11-03-2009

RE: CPL Application: Lake St. Croix Beach Bluffland Restoration - Natural Heritage, Rare Features Review

Per the requirements of the CPL Application, the Washington Conservation District, on behalf of the Middle St. Croix Watershed Management Organization, has reviewed the information we have access to for Washington County regarding rare natural features within one mile of the Lake St. Croix Beach proposed project site. Should this project move forward, the WCD would ask that the DNR review and approve our findings.

The following information was obtained for the Lake St. Croix Beach Project Site:

Lake St. Croix Beach Project Site:

There are 21 known occurrences of rare features within 1-mile of the Lake St. Croix Beach Project Site. The following occur within 1-mile of the proposed project site:

[REDACTED]