

CPL Applications
(Total to date: 129)

Conservation Partners Legacy Grant Application

CPL1000046

Spreadsheet

Name and Contact

Project Identifier:	CPL1000046	Street Address 1:	220 North Lake Street
Project Name:	Bone Lake and Moody Lake Low Velocity Fish Barriers	Street Address 2:	
Organization Name:	Comfort Lake - Forest Lake Watershed District	City:	Forest lake
Organization Website:	clflwd.org	State:	MN
Organization Contact Person:	Randy Anhorn	Zip Code:	55025
Contact Email:	randy.anhorn@clflwd.org		
Contact Phone:	651-209-9753		

Location

Primary County: Washington
 Nearest City: Forest lake
 Township:
 Project Site Name: Bone Lake and Moody Lake
 Project Site Land Ownership: State, County, and Local
 Other Land Ownership:

Project Information

Primary Activity: Restoration
 Primary Habitat Type: Fish, Game or Wildlife Habitat
 Total Project Acres: [1](#)
 Total Project Sites: 3
 Total Grant Amount Requested: \$40646
 Total Match Amount: \$8287
 Total Project Cost: \$48933
 Project Completion Date: 12/2010 (MM/YYYY)

Project Summary and Outcomes: As part of the CLFLWD's Capital Improvement Plan, the District has scheduled projects to help improve the water quality of Moody and Bone lakes (both listed as impaired by the MPCA) including rough fish removal and the construction of fish barriers at the upstream inlets to Bone and Moody lakes, and the Bone Lake outlet. Rough fish are known to cause significant internal loading to lakes by their disturbance of lake sediments. Once the rough fish removal is complete, the barriers will prevent the reestablishment of the lakes' rough fish populations. The proposed project involves the installation of low velocity fish barriers (designed by MDNR) on Bone and Moody lakes.

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:	Bone Lake and Moody Lake Low Velocity Fish Barriers
Organization:	Comfort Lake - Forest Lake Watershed District
Organization contact person (Project Manager):	Randy Anhorn

Project information

Project site:	Bone Lake Outlet	Legal :	T32N	R20W	S5	Q
Project site land manager or easement holder:	Within county right of way on Lofton Ave					
Private land owner (if applicable):	NA	County:	Washington			

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:	Bone Lake Inlet - North	Legal :	T32N	R20W	S5	Q
Project site land manager or easement holder:	Property owned by City of Scandia					
Private land owner (if applicable):	NA	County:	Washington			

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:	Moody Lake Inlet - North	Legal :	T33N	R20W	S32	Q
Project site land manager or easement holder:	Within county right of way on 245 th Str					
Private land owner (if applicable):	NA	County:	Chisago			

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
Spring 2010	obtain all needed permits and okays/approvals		
Spring 2010	complete engineering to determine exact piping and hydrologic needs for each individual site		
Summer 2010	Start construction of fish barriers		
Autumn 2010	Finish construction of fish barriers		

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

The project involves the design and installation of low velocity fish barriers (designed by MDNR) on the north inlet to Bone lake from Moody Lake, on the outlet to Bone Lake, and on the north inlet to Moody Lake. A low velocity barrier will consist of attaching 48" standpipe to upstream end of existing 36" culverts. A series of properly sized drain tile will be discharged into the standpipe, then the drain tile will be buried with a small layer of rock ¾" to 2" rock. This project will require engineering review. Installation is to be accomplished by MDNR Fisheries Construction crew or local contractor.

This project will be done in cooperation with MDNR Fisheries. It will require work agreements or easements with the Washington County Highway Department, the City of New Scandia, and Chisago Lakes Township to allow us to install these structures to existing culverts under public roads. Comfort Lake - Forest Lake Watershed District (CLFLWD) has already been in contact and have received approvals for the construction of the barriers from each of the entities. CLFLWD can provide City Council, Township Board approval motions and permits information upon request.

We are requesting the work be done by the MDNR Fisheries Construction Crew. The work to be accomplished will include fabricating two 48" risers with 36" outlet pipes to be attached to the upstream end of existing 36" pipes. One culvert is located under 238th street and carries water from an inlet to Bone Lake from Moody Lake. The other pipe carries the outlet to Bone Lake which crosses under Lofton Ave. just south of 238th street. The third pipe will be located under 245th Street and carries water from the north inlet to Moody Lake.

If for some reason MDNR staff are not available for the installaton of the fish barriers in 2010, either the CLFLWD, will seek an outside contractor to install the barriers (additional costs will be covered by the CLFLWD), or the barrier installation will be completed the following summer.

Attached to these 48" risers will be two 24" lateral culverts each 10 feet long running parallel to the road shoulder. A series of 35 perforated plastic drain pipes 6" in diameter will be discharged into the lateral culverts. The drain tile at the inlet to Bone lake should be installed parallel to each other and perpendicular to 238th street immediately upstream of the road, laying on the bottom of the wetland adjacent to the lake. The tile at the Bone Lake outlet should be installed in the same manner – parallel pipes running perpendicular to Lofton Avenue and discharging into the 24" lateral culvert. The Moody Lake inlet tile will similarly be with parallel pipes running perendicular to 245ht Street.

Once the drain tile are properly located, the entire complex of drain pipes should be covered with a thin layer of appropriate size rock.

As for benefit, the Comfort Lake – Forest Lake Watershed District (CLFLWD) recently adopted a 15-year Capital Improvement Plan (CIP) to manage its water resources and remediate its impaired lakes. As part of the CIP, the District has scheduled projects to help improve the water quality of Moody and Bone lakes including rough fish removal on each lake, and the construction of fish barriers at the upstream inlet to Moody Lake, the northern inlet to Bone Lake, and the Bone Lake outlet. Rough fish such as carp and bullhead are known to cause significant internal loading to lakes by their disturbance of lake sediments. Once the rough fish removal is complete, the barriers will prevent the reestablishment of the lakes' rough fish populations.

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.

NA

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

NA

2. For enhancement/ restoration projects on public lands:

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

The Comfort Lake - Forest Lake Watershed District (CLFLWD)

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

While there are a wide variety of fish barrier designs, many (including electric barriers) are expensive and require excessive maintenance. The proposed fish barriers for the Moody and Bone lake sites are a low maintenance (electric free) barrier designed by the MDNR, and what little maintenance (cleaning of screens etc...)that may be needed will be handled by CLFLWD

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

CLFLWD will do the annual maintenance and will be fund through the CLFLWD annual budgetary process.

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

Funds besides CPL funds used to construct the fish barriers will be CLFLWD funds budgeted to fulfill its CIP.

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: Randy Anhorn	Organization/ Agency: Comfort Lake - Forest Lake WD
Title: Administrator/Limnologist	Date: November 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 Information

This form is for use by **Public Land Manager** or **Easement Holder** of lands where the proposed project will be occurring. This will serve as record of a meeting between the land manager or easement holder and the applying organization's representative. Please review the application brought to you by the organizations thoroughly, as this approval form is being required as part of a complete application. Those projects without this completed form submitted by 5pm CST on November 3, 2009 will not be considered during the first round of awards. Note that the Proposal ID# is an optional blank; if your agency or office routinely assigns numbers to projects, feel free to fill this in to keep your own records.

Applicants should be meeting with you to talk about their proposed projects with their **Project Planning Form** complete and ready to be reviewed. This includes a simple budget to help the applicants begin thinking about all of the costs that could be associated with the projects. Please use your expertise to help these groups realistically think about their project and costs.

The completion of this form is the appropriate point where any concerns or questions regarding the proposed project should be raised with the applicant. This form will also serve as record of those questions and concerns; applications will be carefully reviewed to make sure those concerns or questions were addressed by the organization. Those applications that do not address any areas you note on this form will not be considered; efforts will be made to make the organizations and managers or easement holders aware of the discrepancy and the need to re-apply for future available grant funds.

This form may also be used to **decline the proposed project** as presented **due to workload or staffing issues**. Please note in the comment section what additional offices were contacted to request staffing assistance to help complete this project. Managers or easement holders also have the ability to **deny a proposed project** based on faulty reasoning behind the project, lack of knowledge of topic by applicant, previous experience/ history with the applicants, project outside of the Management Plan for the land, etc.; please note your reasons within the comment section of the form. You may also decide to kick the application up to a higher level to make any sensitive determinations. The name and phone for this higher level review should be indicated (if necessary) at the final step of this form and a copy of the Project Planning form and your completed Review and Approval form should be sent for review as soon as possible. A copy of this form does not need to be supplied to the applicant at the time of the meeting.

There is a required Natural Heritage Database review for all work being performed on CPL projects. Public Land Managers with proper training have access to this database and should be performing this review at the time of their meeting with the applicant. Providing feedback on minimization techniques or avoidance times will be important information for the applicant. Any feature that occurs within one mile of the project site needs to be addressed on the final application; be sure to go over all of these occurrences regardless of impact by project. For those land managers or easement holders without access, please forward your completed review form to LCPLGrants.DNR@state.mn.us with "**Heritage Database Review Needed**" in the subject line. CPL staff will make initial reviews and provide the feedback necessary to the applicant.

This form needs to be received by CPL staff no more than 3 days after your meeting with the applicant or no later than **October 25th, 2009 at 5pm CST if a Heritage Review is required**. The deadline for complete submission is November 3, 2009 at 5pm CST and without this form any applications received will be regarded as incomplete and will not be considered for this round of funding.

Please contact [Leslie Tannahill](tel:651-259-5242) (651-259-5242) or [Jamie Gangaware](tel:651-259-5174) (651-259-5174) for further information or help with this approval process, or email LCPLGrants.DNR@state.mn.us for general information.

CPL Project Application Review and Approval Form

REVIEWER INFORMATION

Land manager/ easement holder name:	Gerald Johnson		
Title:	East Metro Area Fisheries Supervisor	Date of meeting:	10/5/2009
Phone:	651 259-5770	Proposal ID #:	
Email:	Gerald.Johnson@dnr.state.mn.us	(assigned by agency, optional)	

PROJECT INFORMATION:

Project Name:	Bone Lake /Moody Lake Fish Barriers	Organization:	Comfort L-Forest L. W. D.
Contact Person:	Randy Anhorn		
Email:	randy@ci.forest-lake.mn.us	Daytime Phone:	(651) 209-9753

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:

- ☐ 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:	Jeffrey Gorton
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Comments: **This is a cooperative project between the Comfort Lake-Forest Lake watershed district and the East Metro Fisheries Office. It is enthusiastically supported by our office.**

Name:		Phone:	
Title:		Email:	

Additional
necessary):

Comments(including approval or denial, reasoning):

review (if

Conservation Partners Legacy Grant

Project Budget and Match Worksheet, Application Requirement

Project name:	Bone Lake and Moody Lake Low Velocity Fish Barriers
Organization:	Comfort Lake - Forest Lake Watershed District (CLFLWD)
Organization contact person (Project Manager):	Randy Anhorn

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

Budget Item	Fiscal Year 2010	Fiscal Year 2011	Fiscal Year 2012	Total
Personnel	\$4,800.00			
Contracts	\$10,219.00			
Grant Administration	\$1,125.00			
Administration/ Environmental Compliance	\$3,702.00			
Fee Acquisition				
Easement Acquisition				
Easement Stewardship				
Equipment/Tools/Supplies	\$20,500.00			
Travel	\$300.00			
Additional Budget items				
Total	\$40,646.00			

DETAILS: detail the amounts listed in the above table.

Personnel Details:

Name	Title	Amount
DNR Labor	Labor	\$4,200.00
DNR Equipment Operators	Equipment Operator	\$600.00

Contract Details:

Contractor Name	Contracted Work	Amount
Emmons & Olivier Resources Inc. (EOR)	Engineering to determine proper sizing of each of the three sites	\$10,219.00

Grant Administration:

Administrative Activity	Description/ Amount	Amount
CLFLWD Administrator Grant Administration	Reports, consolidation of invoices, reimbursement requests, CLFLWD Administration (25hrs @ \$45)	\$1,125.00

Administration/ Environmental Compliance

Activity	Description	Amount
DNR Supervision	DNR Construction Supervision of construction crew	\$540.00
EOR Project Managment	Project management/client coordination of engineering aspect of project	\$642.00
CLFLWD Administration	Overall project management and coordination of permit requirements	\$2,520.00

Fee Acquisition/ Easement Acquisition/ Easement Stewardship Details:

NA

Equipment/Tools/Supplies Details:

Item	Use	Amount
Materials and supplies for three barriers	perforated pipe, 3/4"-2" rock (300 cu. yds.), cooregated metal pipe.	\$20,500.00

Travel Details:

Miles	Purpose	Amount
	DNR Construction Crew mobilization	\$300.00

Additional Budget Items Details:

As part of this project, it is proposed to use DNR staff to install the three fish barriers. It is anticipated at this time, that DNR staff will be available during the summer of 2010 for installation, therefore, if this grant application proposal is accepted, it is anticipated that the three fish barriers are to be constructed during the summer of 2010. If for some reason DNR staff are not available for the installation of the fish barriers in 2010, either the Comfort Lake - Forest Lake Watershed District (CLFLWD), will seek an outside contractor to install the barriers (additional costs will be covered by the CLFLWD), or the barrier installation will be completed the following summer.

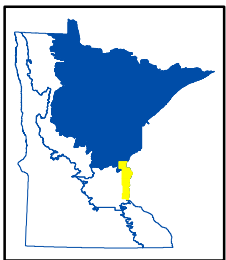
MATCH: Required 10% of total project funds, to be fulfilled by end of Fiscal Year 2012. Use provided rate sheet to determine unit rate and total value of in-kind services to be used as matching funds if applicable.

Source	Description	Units	Unit Rate	Total Value
CLFLWD	Administration; overall project management	40	\$45/hr	\$1,800.00
CLFLWD	Administration; grant administration	25	\$45/hr	\$1,125.00
CLFLWD	Oversight/coordination for required permits for project	16	\$45/hr	\$720.00
CLFLWD	EOR project management of engineering task			\$642.00
CLFLWD	All over budget cost as well as any costs needed if a private contractor would be needed for barrier installation			\$ Not known at this time
CLFLWD	Costs for rough fish removal on both Bone and Moody Lakes	2 lakes	\$2,000/lake	\$4,000.00
TOTAL				\$8,287.00

Matching description/ comments: if needed

As mentioned in the Project Site Information submittal, rough fish such as carp and bullhead are known to cause significant internal loading to lakes by their disturbance of lake sediments. As part of the District's CIP, rough fish removal is scheduled for both Bone and Moody Lakes and is accounted for in the District's budgets. Once rough fish removal is complete, the barriers will prevent the reestablishment of the lakes' rough fish populations.

If for some reason DNR staff are not available for the installation of the fish barriers in 2010, either the Comfort Lake - Forest Lake Watershed District (CLFLWD), will seek an outside contractor to install the barriers (additional costs will be covered by the CLFLWD), or the barrier installation will be completed the following summer.



CPL100-046

Bone Lake and Moody Lake Low Velocity Fish Barriers

Washington and Chisago Counties
LSOHC Northern Forest Planning Section

