

Conservation Partners Legacy Grant Application

CPL1000073

Spreadsheet

Name and Contact

Project Identifier:	CPL1000073	Street Address 1: 600 East Fourth St
Project Name:	Benton Lake Fish Biotic Restoration	Street Address 2:
Organization Name:	Carver County Land and Water	City: Chaska
Organization Website:	www.co.carver.mn.us	State: mn
Organization Contact Person:	Tim Sundby	Zip Code: 55318
Contact Email:	tsundby@co.carver.mn.us	
Contact Phone:	952-361-1806	

Location

Primary County:	Carver
Nearest City:	Cologne
Township:	Benton
Project Site Name:	Benton Lake
Project Site Land Ownership:	State and Local
Other Land Ownership:	

Project Information

Primary Activity:	Restoration
Primary Habitat Type:	Fish, Game or Wildlife Habitat
Total Project Acres:	72
Total Project Sites:	1
Total Grant Amount Requested:	\$61600
Total Match Amount:	\$7500
Total Project Cost:	\$61600
Project Completion Date:	10/2012 (MM/YYYY)

Project Summary and Outcomes: Benton Lake has a draft TMDL expected to be approved in January 2010. The TMDL points out a major factor for the impairment are the presence of rough fish in the lake. Carver County is currently implementing BMP's to improve the water quality of the lake system, leaving the need to address the internal phosphorus by controlling rough fish. To do so a fish barrier will be installed, followed by removal of rough fish and finally restocking of native fish species. It is the goal of the project to provide the public a lake with improved water quality that can provide wildlife observation as well as increased fishing and recreational opportunities from a public dock and trail system.

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:	Benton Lake Fish Biotic Restoration
Organization:	Carver County
Organization contact person (Project Manager):	Tim Sundby

Project information

Project site:	Benton Lake Watershed				
Project site land manager	Legal :	T115	R25	S12	QSW
or easement holder:	City of Cologne				
Private land owner	County:	Carver			
(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: 72 ☒ Acres ☐ Miles ☐ Feet ☐ Structures ☐ Wetlands

Project Site #2, if needed.

Project site:					
Project site land manager	Legal :	T	R	S	Q
or easement holder:					
Private land owner	County:				
(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:					
Project site land manager	Legal :	T	R	S	Q
or easement holder:					
Private land owner	County:				
(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
Spring 2010	Installation of fish barrier	Fall-Winter 2010	Removal of rough fish
Spring-Fall 2010	Monitor lake response to proposed project	Fall-Winter 2011	Removal of rough fish - if needed
Spring-Fall 2011	Monitor lake response to proposed project	Spring 2012	Stocking of desired fish species into Benton Lake
Spring-Fall 2012	Monitor lake response to proposed project		

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

Benton Lake is on the Impaired Waters List and has a draft TMDL nearing approval from the MPCA and EPA. A key outcome of the TMDL and a major factor for the impairment is the presence of rough fish within the lake ecosystem and the cascade effect that these species are having on the lake. Carver County is currently implementing watershed BMP's (SSTS upgrades, Buffers, etc...) to improve the quality of water entering the lake system and the need to address the internal phosphorus loading has led us to controlling rough fish as a key component to minimizing the impacts of internal loading. This process will be carried out in three steps within this project.

First, is to install a "Minimal Velocity Fish Barrier", or similar structure, based largely on a design by the Minnesota Department of Natural Resources and modified by Carver County consultants to conform to the specific Benton Lake parameters. Installation of the fish barrier will isolate the Benton Lake Watershed from possible downstream rough fish interactions, allowing for the next two steps to succeed. Installation of the barrier will occur in the Spring of 2010.

Removal of rough fish in the Benton Lake Watershed (Benton and Meuwissen Lakes) will occur during the Fall and Winter of 2010 and 2011, representing the second step in the project. We will work with the Minnesota Department of Natural Resources to complete the last step in the project which will introduce a new healthy fish community to the lake.

Monitoring, will occur throughout the project timeline. Lake monitoring will be conducted to study the chemical and physical lake response to this project. Total phosphorus, total Kjeldahl nitrogen, chlorophyll-a, and Secchi disk depths will be taken from the lake once every two weeks from April through October from 2010 through 2012. At the end of the 2011 monitoring season, the lake will be re-evaluated to determine if rough fish removal is needed again, which would occur during Fall and Winter of 2011 and 2012. Combination of all three steps will allow for Benton Lake to start its return to a clear lake status and hopefully help the lake to be de-listed in the future.

This project is cooperative project that will focus the efforts and resources of multiple agencies and groups including Carver County, The City of Cologne, Benton Lake Watershed Conservancy Group, and DNR. It is the goal of the project to provide the residents of the City of Cologne and Carver County with a lake with improved water quality that can provide wildlife observation along the City pathways circling the lake as well as increased fishing and recreational opportunities off of a public dock that will be installed along the trail system.

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?

City of Cologne

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

Monitoring of outlet structure to ensure that lake is draining properly through both emergency overflow and through drain tiles, with maintenance if needed. Drain tile maintenance will also include Carver County Staff and engineers.

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

City of Cologne through funds appropriated through public works budget and Carver County Staff and engineers through funds appropriated from the WMO Water Levy Tax.

- 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 restoration or enhancement project.

Signature: Tim Sundby	Organization/ Agency: Carver County
Title: Water Technician	Date: 10/30/2009

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:	Daryl Ellison		
Title:	Fisheries Manager	Date of meeting:	10/30/09
Phone:	952-826-6756	Proposal ID #:	
Email:	Daryl.Ellison@dnr.state.mn.us	(assigned by agency, optional)	

PROJECT INFORMATION:

Project Name:	Benton Lake Fish Biotic Restoratoion	Organization:	Carver County
Contact Person:	Tim Sundby		
Email:	tsundby@co.carver.mn.us	Daytime Phone:	952-361-1816

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:

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- ☐ 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:

☒ 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.

Comments:

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:	Benton Lake Fish Biotic Restoration	
Organization:	Carver County	
Organization contact person (Project Manager):	Tim Sundby	

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	\$14,500.00	\$6,500.00		\$21,000.00
Grant Administration				
Administration/ Environmental Compliance				
Fee Acquisition				
Easement Acquisition				
Easement Stewardship				
Equipment/Tools/Supplies	\$30,600.00	\$6,500.00	\$3,500.00	\$40,600.00
Travel				
Additional Budget items				
Total	\$45,100.00	\$13,000.00	\$3,500.00	\$61,600.00

DETAILS: detail the amounts listed in the above table.

Personnel Details:

Name	Title	Amount

Contract Details:

Contractor Name	Contracted Work	Amount
WENK Associates	Feasibility Study with Hydraulics Analysis	\$4,000.00
WENK Associates	Soil Borings	\$3,000.00
WENK Associates	Plans, Specifications, and Bidding for Fish Barrier	\$7,500.00
WENK Associates	Plans, Specifications, and Bidding for Rotenone	\$6,500.00

Grant Administration:

Administrative Activity	Description/ Amount	Amount

Administration/ Environmental Compliance

Activity	Description	Amount

Fee Acquisition/ Easement Acquisition/ Easement Stewardship Details:

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Equipment/Tools/Supplies Details:

Item	Use	Amount
Supplies and Installation	Materials used for building fish barrier	\$30,600.00
Rotenone	Depopulation of fish within Benton Lake	\$6,500.00
Fingerlings	Restocking Benton Lake with desired species	\$3,500.00

Travel Details:

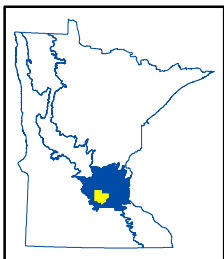
Miles	Purpose	Amount

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
Carver County	Cash Match			\$2,500.00
City of Cologne	Cash Match			\$4,000.00
Benton Lake Watershed Conservancy	Cash Match			\$1,000.00

Matching description/ comments: if needed



CPL100-073
Benton Lake Fish Biotic Restoration
Carver County, LSOHC Metropolitan Urbanizing Area Planning Section



COLOGNE

November 2, 2009

Re: Benton Lake Fish Biotic Restoration – Conservation Partners Legacy Grant

To whom it may concern:

The City of Cologne passed resolution 09_37 Benton Lake Legacy Grant on Monday, November 2, 2009. This resolution supports and authorizes the City of Cologne's \$4,000 cash participation out of the \$7,500 10% local share of the Benton Lake Fish Biotic Restoration project in its application for a Conservation Partners Legacy Grant.

The source of funds will come from the Benton Lake Improvement reserves of the city's general fund. There is no timeline on the funds uses or financial constraints as long as the Legacy Grant is funded and the project is commencing per the applications guidelines and general goals of Benton Lake improvements and restoration.

Sincerely,



John A. Douville
City Administrator

City of Cologne

1211 Village Parkway P.O. Box 120 Cologne, MN 55322
952-466-2064 Fax: 952-466-2075 www.ci.cologne.mn.us

**CITY OF COLOGNE
RESOLUTION 09_37 APPROVING
BENTON LAKE LEGACY
GRANT APPLICATION**

WHEREAS, the City of Cologne has set aside reserves for water quality improvements for Benton Lake; and

WHEREAS, the Benton Lake Watershed Conservancy (BLWC) has been advocating long term improvements for the watershed in hopes of eventually removing the lake from the Impaired Waters List; and

WHEREAS, The City has been working with the BLWC, DNR, Carver County Soils & Water Division to determine long term solutions for Benton Lake ; and


WHEREAS, Carver County has initiated a Legacy Grant application requiring a 10% local match for Benton Lake Improvements; and

WHEREAS, The City would provide \$4,000 of the \$7,500 required in local matching funds with Carver County and the BLWC providing the balance;

NOW, THEREFORE, BE IT RESOLVED, by the City Council of the City of Cologne, Minnesota, to authorize the participation in the Legacy Grant Application for Benton Lake with a local cost share of \$4,000.

Adopted by the City Council of the City of Cologne, Minnesota, this 2nd day of November, 2009.

ATTEST:


John Douville
Clerk/Administrator

BLWC

Benton Lake Watershed Conservancy

Nov. 1, 2009

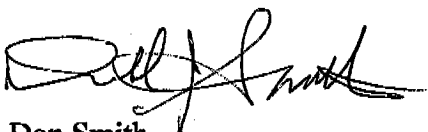
To whom it may concern:

On behalf of the Benton Lake Watershed Conservancy (BLWC), please consider this letter of commitment in support of the Conservation Partners Legacy Grant.

- The BLWC will provide \$1,000 in project match funds, per the grant application.
- The \$1,000 has been/will be collected in BLWC membership dues, donations from the Cologne Fire Department/Relief Association and community donations. Fund-raising activities and in-kind donations will supplement the BLWC's commitment.
- Total funds will be collected by June 30, 2010, with fiscal sponsorship by The Community Foundation for Carver County, a local 501(c)(3) nonprofit organization (www.carvercountyfoundation.org)
- Should the Legacy Grant not be awarded or awarded in full, per the application, the project timeline (fish barrier installation, monitoring, fish stocking) may impact the level of community support and funds provided to the BLWC.

Please contact Don Smith, chairman, Benton Lake Watershed Conservancy, at (952) 466-5995 or djrms55322@aol.com with any questions.

On behalf of the BLWC and its Board of Directors, thank you for your consideration.



Don Smith
President
Benton Lake Watershed Conservancy



Jacob Steinbauer
Vice President
Benton Lake Watershed Conservancy