

Conservation Partners Legacy Grants - Online Applications

[Jamie Gangaware](#)[Admin](#)[List Applications](#)[Summary Spreadsheet](#)[Log Out](#)[Project Summary](#) [Project Info](#) [Site Info](#) [Budget Info](#) [Review & Approval](#) [Additional Info](#) [Application Submission](#)

Project Summary

Project Name and Contact

Project Name:	Water Control, #47-31P	Project Manager:	Brad Nylin
Organization Name:	Minnesota Waterfowl Association	Title:	Executive Director
Organization Type:	Non-Profit	Phone:	952-767-0320
Mailing Address 1:	901 First Street North	Email:	brad.nylin@mnwaterfowl.com
Mailing Address 2:			
City:	Hopkins		
State:	MN		
Zip Code:	55343		

Project Location Summary

Primary County:	Meeker	Secondary Land	State
Nearest City:	Dassel	Ownerships:	
Project Site Name:	Mud Lake Outlet		
Primary Land Ownership:	Private		

Project Activity Summary

Primary Activity:	Restoration	Primary Habitat Type:	Wetland
Additional Activities:		Additional Habitats:	Fish, Game or Wildlife Habitat
Total Project Sites:	1		
Total Project Acres:	119		

Project Funding Summary

Total Grant Amount	\$6,000
Requested:	
Total Match Amount	\$2,000
Pledged:	
Additional Funding:	
Total Project Cost:	\$8,000
Estimated Project Completion Date:	2012-07-31

Summary

The existing water control structure at the outlet of 119 acre Mud Lake (#47-31P) is severely corroded and in danger of washing out. If this CPL grant application is successful the structure will be replaced with a new one, consisting of non-corrosive High Density Polyethylene (HDPE) material. Project site is private lands but all necessary easements are held by State of Minnesota. Mud Lake is adjacent to a federal Waterfowl Production Area and provides important shallow lake habitat for waterfowl, other migratory birds, and resident wildlife.

Problem Statement

At stake is the integrity and shallow lake habitat values of this basin. Without corrective action the existing structure will wash out and the lake will become drained. Legally drained by Judicial Ditch #3 many decades ago, the basin's hydrology was restored by the Minnesota "Department of Conservation" when a water control structure was installed in 1968. Necessary flowage easements and rights of ingress / egress were obtained at the same time. Also, the State assumed

responsibility for maintaining the integrity and proper functioning of the structure. Reported by the landowner in early 2010, an inspection by DNR personnel found the structure's corrugated metal pipe to be severely corroded and the surrounding earthen fill being seriously eroded, as a result.

Project Objectives

The objective of this project is quite simple: Believing that the site's water chemistry is the cause of corrosion to the existing structure's metal materials, the failing structure will be replaced with a new one consisting of non-corroding HDPE material. Used elsewhere in similar applications, HDPE has a proven track record for providing durable, long lasting service(i.e., 50+ years). By undertaking and completing this project Mud Lake can be maintained as an area that provides important shallow lake habitat for waterfowl and other wildlife. In addition, it will continue to provide water quality and flood water retention benefits to human communities.

Methods

Assuming the success of this grant application, MWA will immediately notify its other contributing partner, U.S. Fish and Wildlife Service (Service), as well as local offices of the DNR which have oversight jurisdiction for the project. A project partners meeting (to include local DNR Managers)will be arranged during which project implementation will planned. Although they have already expressed strong support for the project, affected landowners will be notified of the intent to proceed with implementation. The project partners will arrange site visits with a minimum of three earthwork contractors to solicit bids for the required work. The bids will include supplying of required materials, equipment mobilization, removal and proper disposal of existing structure materials, installation of new materials and all associated earthwork, and seeding / revegetation of all disturbed areas. After thorough review and discussion by the partners, a contract will be awarded to the successful bidder. The Service will then initiate and complete its formal project funding mechanism. Any necessary permitting (from DNR-Div.of Waters and/or LGUs)will be applied for. When site conditions are likely to be most suitable for earthwork operations(hopefully in July 2011)project implementation will commence. It is anticipated that all project work can be completed within three working days. Required equipment will be one excavator, one bulldozer, and one dump truck. Materials will include a prefabricated sixty inch diameter HDPE "riser", forty-four feet of thirty-six inch diameter HDPE outlet pipe, an 8ft. X 6ft. anti-seep collar, a poured concrete base (for the riser), approximately 400 sq. feet of geotextile fabric, and approximately 25 cubic yards of rock rip-rap. These materials are selected because they will be permanently resistant to corrosion. A reputable private contractor will be selected to perform the work.

Project Timeline

Time Frame	Goal
December 2010	receive notification of successful CPL grant
January 2011	Partners meeting (MWA, Service, DNR)
Spring 2011	Bid solicitation / awarding of contract
May 2011	Service completes funding mechanism; Permitting secured
May-June 2011	tend to final details and await proper site conditions
July 2011	Construction / project completion

Identify short and long term maintenance and management work required to sustain this project and source(s) of funding

Work needed	Who is responsible	Funding source
Routine monitoring	DNR and USFWS	Force account
(possibly) minor site erosion	DNR and/or USFWS	Force account

Conservation Partners Legacy Grants - Online Applications

Jamie Gangaware

Admin

[List Applications](#)

[Summary Spreadsheet](#)

[Log Out](#)

[Project Summary](#) [Project Info](#) [Site Info](#) [Budget Info](#) [Review & Approval](#) [Additional Info](#) [Application Submission](#)

Project Information

Answer each of the following questions in 1000 characters or less; descriptions/definitions are available in the [Criteria and Scoring Table](#).

1. Describe the local support for this project.

This project is strongly supported by the private landowner on whose property the project site is located. Although the State of Minnesota holds flowage easements and as well as rights of ingress/egress, all riparian owners support the project, as well. USFWS has demonstrated its support for the project by pledging funds to it. Local DNR managers (in Sections of Wildlife, Fisheries, and Waters) support the project and are / will be active consultants in the course of project planning and implementation.

2. Describe the degree of collaboration for this project.

Everyone (as noted in #1, above), is "on-board" for this project and collaboration can be described as "excellent". No objections to the project have been detected.

3. Describe any urgency associated with this project.

The existing structure's metal components are severely corroded and the entire structure is in danger of failure. Although structure failure is not thought to be imminent nor is there a perceived threat to human life or property, it is imperative that this shallow lake's water control structure be replaced during the 2011 construction season.

4. Discuss if there are multiple benefits resulting from your project, identifying those species, habitats, etc.

With an "intact" and functioning water control structure, Mud Lake provides all the benefits associated with shallow lake habitat. The lake has an abundance of emergent and submergent vegetation that provides critical habitat for waterfowl, other migratory birds, and resident wildlife. Because of its shallow water habitat (+/-3.5 feet deep) it is subject to frequent winter "freeze out" which help control rough fish infestations. The basin is located approximately one quarter mile upstream from the Service's "Cokato Waterfowl Production Area" and these wildlife habitat areas compliment each other. All species of waterfowl common to Minnesota, including trumpeter swan, are known to utilize these sites. Like all intact and restored wetland areas, Mud Lake provides water quality improvement and flood water retention benefits.

5. Discuss the habitat benefits resulting from your project.

A successfully completed project will preserve the important habitat benefits that were realized when the basin was first restored, in 1968.

6. Describe how your project is consistent with sound conservation science.

Hands down, restoring and preserving Minnesota wetlands ranks at or near the top of the list when it comes to sound conservation science. The predecessors of today's wildlife managers are to be commended for their success in restoring this drained lake and the securing the rights to maintain it in 1968. Intact wetlands are a vital component of Minnesota's landscape and maintaining Mud Lake in a fully restored condition is consistent with this viewpoint of sound conservation science.

7. Indicate if your project is adjacent to protected lands, describing those lands (ownership, public access, etc.)

Mud Lake and the project site are in close proximity to federal Waterfowl Production Areas (WPA). Two WPA easement areas are located adjacent to the north end of Mud Lake while the Service's "Cokato WPA" (a fee acquisition property that is open to the public) is located less than one-half mile to the east. Cokato WPA abuts 200+acre Beaver Dam Lake (#86-296P) which is approximately one-quarter mile downstream from Mud Lake. Although there is no public access to Mud Lake the State of Minnesota

holds rights of ingress / egress to the project site and DNR will be a project partner for project implementation.

8. Discuss if there is full funding secured for this project and the sources of funding.

Full project funding will be secured if this grant application is successful. The project partners have secured a cost quote for necessary materials as well as a contractor's estimate for all site work. Although the State of Minnesota is legally bound for maintaining the structure MWA and its other project partners (USFWS and local DNR offices) are hereby proposing the CPL grant mechanism to accomplish this critical work. MWA believes that this cooperative partners approach is the best means to accomplish this project. The Service, through its "Partners for Fish and Wildlife" program has pledged a minimum of \$1000 for the project and MWA is pledging \$500. Expert personnel from DNR and the Service will provide engineering and construction oversight. These services will be included as "in-kind" contributions to the project.

9. Discuss if CPL Grant funds will supplement or supplant existing funding. Discuss how these CPL funds will impact your organization's current budget.

CPL grant funds will significantly supplement existing funds. At an estimated project cost of \$8000, this amount exceeds available single project funding for both MWA and the Service. MWA understands that current DNR budgets make it restrictive for that agency to fund the critically required work of this project, as well. The granting of CPL funds for this project will allow MWA to act as project manager and accomplish this project for the benefit of numerous wildlife species and human communities.

10. Describe public access at project site for hunting and fishing, identifying all open seasons.

Unfortunately, there is no public access to Mud Lake. However, the restored lake provides critical habitat for numerous species of migratory birds and the public benefits of maintaining the lake in a restored condition exceed the importance of public access.

11. Describe the sustainability of your project.

The project's proposal to use HDPE material for the primary water control device is proof positive that the applicant and its partners intend and expect the project will be sustainable with little or no maintenance required for many years to come. Barring a catastrophic "act of God", the applicant expects that the new structure will be sustainable. If minor maintenance is required it will be accomplished by the project partners.

12. Discuss use of native vegetation (if applicable).

It is anticipated that there will be minimal disturbance to soils in the construction zone so re-vegetating the site with native vegetation is not a critical factor. Of utmost importance, the applicant will assure that suitable sod forming grass is seeded and reestablished as soon as possible following project completion.

13. Discuss your budget and why it is cost effective.

The applicant and its partners have researched the cost of required materials and introduced an expert contractor to the site. The contractor has provided a cost estimate for the project work. The applicant is confident in the cost figures represented elsewhere in this application.

14. Describe your organization's ability to successfully complete this work, including experience in the area of interest and ability to successfully implement the proposed project. Include descriptions of your most recent grant experience and if the expected outcomes were achieved.

MWA has a proven track record for receiving other grant funds and using them to successfully complete similar projects within the legal parameters of the grant. MWA will rely on its expert project partners (USFWS and DNR) to implement and oversee project construction. MWA will act as the fiscal agent for the project.

15. Discuss how your project supports landscape level plans. Use additional sources for information if needed or available.

The proposed project is consistent with landscape habitat restoration with the Minnesota portion of the North American Prairie Pothole Region. Restoring and preserving Minnesota's shallow lakes and other wetlands (as proposed in this

application) is believed to support all Minnesota landscape level plans.

16. Discuss how your project supports species plans. Use additional sources for information if needed or available.

In particular, this project strongly supports the goals of the Prairie Pothole Joint Venture of the North American Waterfowl as well as MN DNR's Duck Plan.

17. Discuss how your project conforms to the Statewide Conservation and Preservation Plan.

The Statewide Conservation and Preservation Plan notes that wetland preservation and restoration are high priorities. This project proposal / grant application is consistent with these priorities.

18. Discuss how your project conforms to the State Wildlife Action Plan (if applicable).

Same as #17, above.

Conservation Partners Legacy Grants - Online Applications


Jamie Gangaware


Admin

[List Applications](#)


[Summary Spreadsheet](#)

[Log Out](#)


 Project Summary


 Project Info

 **Site Info**

 Budget Info

 Review & Approval

 Additional Info

 Application Submission

Site Information

*you may group your project sites together as long as land ownership, activity and habitat information is the same for the land manager

Land Manager

Name:

Jeff Miller

Phone:

320-354-2154

Organization:

MN DNR-Wildlife

Email:

jeff.k.miller@state.mn.us

Title:

Assistant Area Manager

Site Information

Land Ownership:

State

Acres:

119

Site Name(s):

**Mud Lake Outlet - D.
Arnleend Property**

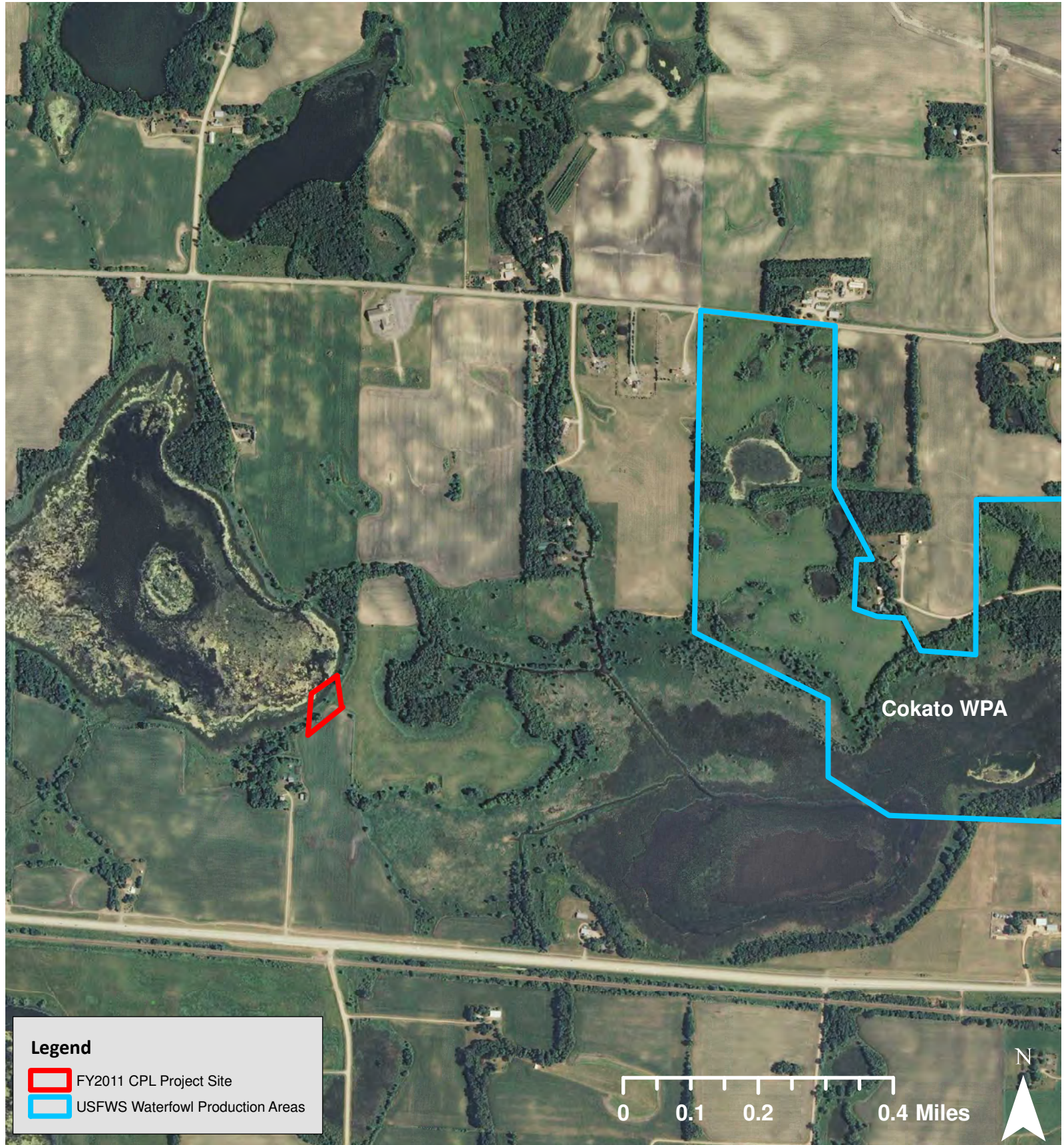
Click here to [View Site Map](#)

Activity:


Restoration


Habitat:

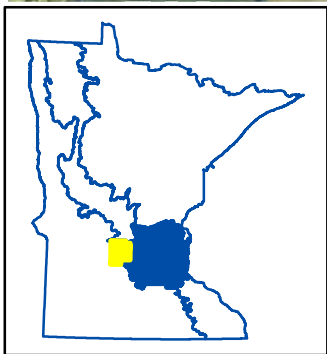
Wetland



Legend

 FY2011 CPL Project Site

 USFWS Waterfowl Production Areas



CPL FY11-077
Water Control, #47-31P
Minnesota Waterfowl Association
Meeker County
LSOHC Metro Urbanizing Area
Planning Section



Conservation Partners Legacy Grants - Online Applications

Jamie Gangaware

Admin

[List Applications](#)

[Summary Spreadsheet](#)

[Log Out](#)

☒ Project Summary

☒ Project Info

☒ Site Info

☒ **Budget Info**

☒ Review & Approval

☒ Additional Info

☒ Application Submission

Budget Information

Organization's Fiscal Contact Information

Name:	Brad Nylin	Street Address 1:	901 First Street North
Title:	Executive Director	Street Address 2:	
Email:	brad.nylin@mnwaterfowl.com	City:	Hopkins
Phone:	952-767-0320	State:	MN
		Zip Code:	55343

Budget Subtotals

Budget Item	Grant	Match	Total		
Personnel		\$500	\$500		
Contracts	\$6,000	\$1,500	\$7,500		
Fee Acquisition with PILT					
Fee Acquisition without PILT					
Easement Acquisition					
Easement Stewardship				In-kind Total	Cash Total
Travel (in-state)				\$500	\$1,500
Professional Services					
DNR Land Acquisition Cost					
Equipment/Tools/Supplies					
Additional Budget Items					
Total:	\$6,000	\$2,000	\$8,000		

Details

Personnel

Name	Title / work to be completed	Amount	Grant/Match	In-kind/Cash
Steven M Erickson	Private Lands Biologist, USFWS	\$500	Match	In-kind
Totals	Grant: \$0 Match: \$500	Total: \$500		

Contracts

Contractor Name	Contracted Work	Amount	Grant/Match	In-kind/Cash
unk. at present	materials and construction	\$6,000	Grant	
unk. at present	materials and construction	\$1,500	Match	Cash
Totals	Grant: \$6,000 Match: \$1,500	Total: \$7,500		

Conservation Partners Legacy Grants - Online Applications

Jamie Gangaware

Admin

[List Applications](#)

[Summary Spreadsheet](#)

[Log Out](#)



Project Summary



Project Info



Site Info



Budget Info



Review & Approval



Additional Info



Application Submission

Project Review and Approval

A Project Review and Approval Form must be completed by each Land Manager named within the Site Info tab and Land Managers only need to complete one form for all sites they manage. Submitting this form fulfills the following requirements:

- Provides the results of the Natural Heritage Database Review,
- Allows for technical review of the project by the Land Manager, and
- Verifies that the public agency approves the work to be done (or acquisition) on land they manage.

You, as the applicant, are responsible for meeting with the Land Manager and receiving a completed Project Review and Approval Form. This form must contain an original signature from the Land Manager and you must upload it below as a PDF.

Each project will require at least one Project Review and Approval form. You may attach up to 4 forms on this page, but if you need more room you may attach up to three more on the "Additional Info" tab. If your project is working under 3 Land Managers, you must receive and submit a form from each manager.

No late Project Review and Approval Forms will be accepted. Applications lacking any necessary approval forms will be deemed incomplete and not considered for funding.

Answer the following questions, then attach the form(s)

No **Natural Heritage** elements were found within my project site(s):

Project Review and Approval Forms

[Uploaded Form 1](#)

[Uploaded Form 2](#)

[Uploaded Form 3](#)



**United States Department of the Interior
Fish and Wildlife Service**

Wetland Management District
22274 615 Avenue
Litchfield, Minnesota 55355
(320-693-2849)



**CONSERVATION PARTNERS LEGACY GRANT PROGRAM
PARTNER COMMITMENT LETTER**

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

Project Name: Water Control, Basin #47-31P
Applicant : Minnesota Waterfowl Association

What is the name of your organization (private landowners use "Private Landowner")? : U.S. Fish and Wildlife Service

When will you make the contribution?: Upon project completion and contractor's billing.

What is the value of your contribution and how did you determine the value? :
Total value is \$1,500 (\$1,000 cash contribution and \$500 "in-kind" contribution).
Our in-kind contribution represents time and labor that Service personnel will expend in delivering technical assistance / professional services to the project.

Does the contribution have a non-state origin? Yes

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? : Not applicable

Signature: 

Printed Name, Title, and Affiliation: Scott S. Glup, Project Leader
Litchfield Wetland Management District
U.S. Fish and Wildlife Service

Date signed: 9-15-2010

CPL Project Review and Approval Form

REVIEWER INFORMATION:

Land manager/ easement holder name: Jeff Miller

Agency: MN DNR - Wildlife

Title: Asst. Manager

Phone: 320-354-2154

Email: jeff.k.miller@state.mn.us

PROJECT INFORMATION:

Project Name: Water Control, Basin 47-31P

Contact Person: Steve Erickson

Organization: USFW, Litchfield Wetland Dist.

Email: Steven_Erickson@fws.gov

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 listed the features below and 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 by Friday, August 27th 2010 to CPL Staff at LSCPLGrants.DNR@state.mn.us to complete the Natural Heritage 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

CPL Project Review and Approval Form

For Acquisitions Only:

- ☐ This project is for an acquisition to be transferred to a public agency by applicant:
- ☐ I have discussed any required Initial Development (facilities, habitat, etc.) work that is required before the transfer with the applicant.
- ☐ I have discussed all applicable costs of those developments and what party is responsible for those costs.

Complete the following cost tables (required work to bring to agency standards).

Habitat Development	# Acres	Cost/ Acre	Total	Funding Source	Applicant is responsible for:
Prairie Grassland					Choose
Forest/ Woody Cover					Choose
Wetland					Choose
Totals					

Facility Development	Cost	Funding Source	Applicant is responsible for:
Boundary Survey			Choose
Posting/ Fencing			Choose
Wood Routed Sign			Choose
Access Roads and Trails			Choose
User Facilities, Access, Parking Lots			Choose
Well Sealing/ Site Clean-up			Choose
Total			

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: *Jeff Mally* Phone: 320-354-2154

☒ By checking this box and signing 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. I understand I must provide this document as a PDF with my original signature on it to the applicant to submit a complete application.

Name: *Jeff Mally*

Date: 9-9-2010

Comments: The MN DNR, Fish and Wildlife Division, holds the flowage easments, along with management and maintenance responsibility, for the water control structure at the outlet of Mud Lake, Basin 47-31P, Meeker County.

Conservation Partners Legacy Grants - Online Applications


Jamie Gangaware

Admin

[List Applications](#)


[Summary Spreadsheet](#)

[Log Out](#)

 Project Summary


 Project Info

 Site Info

 Budget Info

 Review & Approval

 **Additional Info**

 Application Submission

Additional Information

List any additional details about your project here. Include your organization's history or charter to receive private contributions for local conservation or habitat projects. This is not required.

Minnesota Waterfowl Association is a 501C-3 organization dedicated to waterfowl. Our mission is: The Minnesota Waterfowl Association is dedicated to the preservation, protection and enhancement of Minnesota's wetlands, related waterfowl habitat, and our hunting heritage". The MWA was started in 1967 by people that were concerned about the declining waterfowl numbers in Minnesota. Since the MWA was started we have been involved with on the ground habitat projects all across the state, to try and make a difference on the landscape. MWA is dedicated to waterfowl conservation and will continue making a difference for the future.

Supplemental Documents

If you / your project does not need to upload any of these documents, you may leave these upload boxes empty.

Upload additional information here, limited to Partner Commitment Letters, Letters of Support, Easement information, etc. You may email easement information only if it exceeds size limit while trying to submit the application; all other supporting documentation must be uploaded. Reference CPL Application # and name when emailing (provided upon application submission) or your email will be returned. Send emails to

LSCPLGrants.DNR@state.mn.us

Conservation Partners Legacy Grants - Online Applications


Jamie Gangaware

Admin

[List Applications](#)


[Summary Spreadsheet](#)

[Log Out](#)


 Project Summary

 Project Info

 Site Info

 Budget Info

 Review & Approval

 Additional Info

 Application Submission

Final Application Submission

This completes your CPL Grant Application. Please take the time to revisit the previous sections and make sure you have entered everything completely and correctly. Once you hit the submit button below, you will not be able to return to this application to make changes.

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 certify 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 certify this organization to have the financial capability to compete this project and that it will comply with all applicable laws and regulations.

I certify that all of the information contained in the application is correct as of the time of the submission. If anything should change, I will contact CPL Grant Staff immediately to make corrections.

I certify that if funded I will give consideration to and make timely written contact to Minnesota Conservation Corps or its successor for consideration of possible use of their services to contract for restoration and enhancement services. I will provide CPL staff a copy of that written contact within 10 days after the execution of my grant, should I be awarded.

I certify that I am aware at least one Project Review and Approval form is required for every application and I must submit all completed forms by uploading them into this application. I have attached one form as necessary for each different Land Manager within my project.

I am aware that by typing my name in the box below, I am applying my signature to this online document.

Signature:

Bradley D. Nylín

Organization / Agency:

**Minnesota Waterfowl
Association**

Title:

Executive Director

Date:

2010-09-16

Conservation Partners Legacy Grant Program
FY2011 Technical Review Comments and Scoring, Regional and Divisional Directors Comments

Proj ID	Organization Name	Project Name	Technical Review Committee Scoring Comments		Amount Requested	Score	Technical Review Committee Final Rank	Comments	Regional Comments	Meets Regional Plan?	Rank	Region	Division Director's Comments
77	Minnesota Waterfowl Association	Water Control, #47-31P	Acres great. Cost great--seems low?? Current water quality looks good, nice basin. Any consideration given to ability to manage wetland--use variable crest instead, for future needs? Is this maintenance, not enhancement-- System is functioning now, just needs the structure replaced, no changes to it. No public access.		\$20,000	136	#9 recommended, wetland committee		Maybe an H. Should look into an easement if this is successful	Y	M	4	No public access, but flowage easements in place. Do not see the maintenance issue, this is an enhancement. No need to wait for the structure to fail before acting. Protects the wetland.

13)Use of Native Plant Materials	14)Budget and Cost Effectiveness	15)Capacity to Successfully Complete Work	16)Supports Existing Landscape Level Plans	17)Supports Species Plans	18)Conforms to Statewide Conservation and Preservation Plan	19)Conforms to State Wildlife Action Plan
5.00	-	10.00	8.00	7.00	7.00	7.00
8.00	10.00	10.00	9.00	9.00	9.00	9.00
7.00	9.00	7.00	8.00	8.00	8.00	8.00
3.00	8.00	7.00	7.00	6.00	6.00	7.00
5.00	8.00	8.00	8.00	8.00	8.00	8.00
5.60	8.75	8.40	8.00	7.60	7.60	7.80