

**Environment and Natural Resources Trust Fund
2009 Phase 1 Request for Proposals (RFP)**

LCCMR ID: B14.05

Project Title: HCP - Shallow Lake Assessment & Management (2d)

Total Project Budget: \$ \$390,000

Proposed Project Time Period for the Funding Requested: July 2009 - June 2011 (2 yrs)

Other Non-State Funds: \$

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Sponsoring Organization: DNR

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Region:

Statewide

County Name:

Statewide

City / Township:

Summary: DNR will conduct 220 on-site field investigations to support accelerated management of shallow lakes and adjacent wetland complexes. Management will be primarily accomplished by DNR and Ducks Unlimited staff.

Main Proposal: 0808-1-055-proposal-HCP Phase VI Proposal.doc

Project Budget: 0808-1-055-budget-HCP Phase VI Project Budget.xls

Qualifications: 0808-1-055-qualifications--\$R Wildlife.HCP Phase VI. Pjt Mgr Qual.22Aug08.doc

MAIN PROPOSAL

PROJECT TITLE: Shallow Lake Assessment and Management (2d), Minnesota Department of Natural Resources Wildlife Management Section

Minnesota's Habitat Conservation Partnership Phase VI
www.mnhabitatcorridors.org

I. PROJECT STATEMENT:

The mission of the Habitat Conservation Partnership is to restore, enhance and conserve habitat for the purpose of sustaining fish, wildlife and plant communities for all generations. Minnesota's Habitat Conservation Partnership (Partnership), formerly the Habitat Corridors Partnership, was formed in 2000 to provide a framework for statewide land conservation in partnership with the Environmental Trust Fund. The work of the Partnership has three main objectives: 1) **Partnership**: working together to accelerate existing programs and identify new opportunities that build upon our existing investments in habitat. 2) **Focus**: The Phase V proposal will work in nine project areas encompassing 27,442 mi². All work proposed will occur within the identified project areas. These areas were identified as focus areas where resource conservation priorities and opportunity overlap 3) **Leverage**: the objective of this partnership is to bring more resources to bear on Minnesota's conservation need by identifying non-state contributions to accelerate habitat conservation by maximizing the results from limited funding through the Environmental Trust Fund.

The Minnesota Department of Natural Resources (DNR) is working with Ducks Unlimited (DU) and other partners in a focused, strategic approach to assess, improve and protect the aquatic ecology and water quality of shallow lakes for waterfowl and other wildlife. Shallow lakes are a critical component of the wetland habitat complexes once common to Minnesota landscapes. These lakes provide the migration, brood rearing, and hiberna critical for shorebirds, waterfowl, water birds, turtles and amphibians. Through this grant, and the existing shallow lake program, DNR will provide the evaluation, monitoring and long-term management of shallow lake structural enhancements accomplished by DU through bioengineering. In addition, the DNR will accelerate management of shallow lakes and adjacent wetland complexes within wildlife management areas (WMAs) and other public land classifications where water level management authority exists. This could involve mimicking natural drought cycles and the removal of invasive species to restore water quality and ecological diversity. Through these combined efforts and by working with other HCP partners that include Pheasants Forever, U.S. Fish & Wildlife Service (FWS), and the USDA's Natural Resources Conservation Service, DNR and DU are improving and protecting shallow lakes and their surrounding wetland complexes more effectively and efficiently than would otherwise be possible.

II. DESCRIPTION OF PROJECT RESULTS

Result 1: On-site shallow lake assessment and monitoring **Budget:** \$ 230,000

Description: Shallow lake assessments, including both pre and post project lake monitoring, will be completed to provide the information necessary to design and implement lake management strategies including DU lake structure enhancements and DNR accelerated management activities.

Deliverable

Completion Date

1. Complete on-site field investigations of 220 lakes June 30, 2010

Result 2: Accelerate shallow lake management on public land **Budget:** \$ 160,000

Description: Shallow lake management activities will be accelerated on lakes within WMAs and other public land classifications where management authority exists. Activities could include temporary lake level draw downs and removal of invasive species to improve water clarity, improve aquatic vegetation, and increase ecological diversity.

Deliverable

Completion Date

1. Accelerated management on 10 shallow lakes

June 30, 2011

III. PROJECT STRATEGY AND TIMELINE

A. Project Partners

This proposal is part of the Habitat Conservation Partnership Phase VI Proposal. Please see the main proposal for a complete list of partners involved.

B. Project Impact

Shallow lakes are a critical component of the wetland habitat complexes once common to Minnesota. These lakes provide the migration, brood rearing, and hibernia critical for shorebirds, waterfowl, water birds, turtles and amphibians. Although these lakes physically remain on the landscape their ecological condition has been degraded by watershed changes and invasive species. However, many of these lakes can be restored with management investments. The shallow lake assessments completed with this grant are the first step towards restoration and meet the requirements for post project monitoring. The accelerated management completed with this grant will improve the quality of wildlife management areas and other public land classifications where substantial public and private investments have already been made. This grant will primarily focus on Project Areas 1, 2, 3, 4, 6, 7, 8, 9, and 10 although work may be completed in other HCP Project Areas when appropriate.

C. Time July 1, 2009 to June 30, 2011.

D. Long-Term Strategy

The unique HCP Partnership exists as a result of the desire of LCCMR to encourage conservation partners to work together as a statewide collaboration to focus resources and bring additional funds to Minnesota's wildlife habitat resources. We are 18 formal partner agencies and organizations recognized for an ability to achieve the mission of restoring, enhancing and conserving habitat for the purpose of sustaining fish, wildlife and native plant communities for all generations. An important element of this habitat are the more than 4000 shallow lakes occurring statewide. Restoration and protection of these shallow lakes is an ongoing process involving the DNR and our conservation partners. Overall strategies include watershed management, shoreline protection, control of invasive species, and in-lake management techniques to achieve clear water and ecological diversity. LCCMR grants have been critical to providing the basic assessments needed to develop and implement specific lake management strategies to restore degraded lakes.

Project Budget

INSTRUCTIONS AND TEMPLATE (1 PAGE LIMIT)

(One page limit, single-sided, 10 pt. font minimum Retain the bold text and remove all instructions typed in italics. Add or delete rows as is necessary. If a category is not applicable you may write "N/A", leave it blank, or delete the row.)

IV. TOTAL PROJECT REQUEST BUDGET

BUDGET ITEM (See list of Eligible & Non-Eligible Costs, p. 17)	AMOUNT	% FTE
Personnel:	\$ -	%
2 temporary full time lake management specialists	\$ 92,000	200%
12 lake habitat assessment interns	\$ 83,000	300%
Commercial Aquatic Pesticide Applicator (invasive species control)	\$ 54,000	
Equipment/Tools: 4 boats, Repair and replacement of survey equipment as needed	\$ 14,000	
Other: List by item and explain.	\$ -	
Travel expenses	\$ 8,000	
Fleet charges for vehicles	\$ 40,000	
Survey, office and management supplies including plastic pipe, rotenone, and fuel.	\$ 99,000	
TOTAL PROJECT BUDGET REQUEST TO LCCMR	\$ 390,000	

V. OTHER FUNDS

SOURCE OF FUNDS	AMOUNT	Status
Remaining \$ From Previous Trust Fund Appropriation (if applicable): How much Trust Fund money remains not spent or legally obligated from any previous Trust Fund appropriation for any directly related project of the proposing project, project manager, or project organization? Specify the appropriation.	\$ 73,500	ETF funds appropriated in Habitat Conservation Partnership Phases IV (2007) & V (2008) will be spent prior to July 1, 2009
Other Non-State \$ Being Leveraged During Project Period: What additional non-state cash \$ will be spent on the project during the funding period? For each individual sum, list out the source of the funds, the amount, and indicate whether the funds are secured or pending approval.	\$ -	PARTNER has committed \$XXXXX to be expended through Phases IV (2007)& V (2008) by 07/01/09
Other State \$ Being Spent During Project Period: What additional state cash \$ (e.g. bonding, other grants) will be spent on the project during the funding period? For each individual sum, list out the source of the funds, the amount, and indicate whether the funds are secured or pending approval.	\$ -	Describe any known projects with non ETF State funds
In-kind Services During Project Period: What in-kind services will be provided during the funding period? List type of service(s) and estimated value. In-kind services listed should be specific to the project.	\$ -	HCP does not encourage this
Past Spending: List money spent or to be spent on this specific project, cash and/or in-kind, for 2-year timeframe prior to July 1, 2009	\$ 171,500	Phase IV & V

2009 LCCMR PROJECT MANAGER QUALIFICATIONS AND ORGANIZATION FORM

PROJECT TITLE: Shallow Lake Assessment and Management (2d), *DNR – Section of Wildlife*

Project Manager: First Name: Ray Last Name: Norrgard

Sponsoring Organization: Minnesota Dept. of Natural Resources, Section of Wildlife

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Project Manager Qualifications

DNR Wildlife Section Wetland Wildlife Program Consultant position administers the work plans and LCCMR grants to the DNR, Section of Wildlife for the assesment and accelerated management of shallow lakes for wildlife habitat so that program goals and legal requirements are accomplished. The consultant is also responsible for administration of the state waterfowl stamp and related habitat restoration efforts.