

**Environment and Natural Resources Trust Fund
2010 Request for Proposals (RFP)**

LCCMR ID: 040-A3

Project Title:

Demonstration of Best Management Practices for Shoreline Restoration

LCCMR 2010 Funding Priority:

A. Water Resources

Total Project Budget: \$ \$950,000

Proposed Project Time Period for the Funding Requested: 2 years, 2010 - 2012

Other Non-State Funds: \$ \$0

Summary:

Accelerate the rehabilitation of existing but outdated Public Water Access facilities to showcase and educate the public on best management practices for shoreline preservation and/or restoration and stormwater management.

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Sponsoring Organization: DNR

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Location:

Region: Statewide

County Name: Statewide

City / Township:

_____ Knowledge Base	_____ Broad App.	_____ Innovation
_____ Leverage	_____ Outcomes	
_____ Partnerships	_____ Urgency	_____ TOTAL

MAIN PROPOSAL

PROJECT TITLE: Best Practices for Water Quality at Public Accesses

I. PROJECT STATEMENT

It is the DNR Parks and Trails Division's intent and purpose to utilize our public water access sites as a location for the public to view how the implementation of restoration and storm-water best management practices (BMP) can help to protect natural shoreline, restore degraded shoreline and reduce the impact of development occurring in the shoreline area. Through this proposal the DNR will be able to accelerate the rehabilitation of existing but outdated Public Water Access facilities to showcase and educate how BMP's impact shoreline preservation and/or restoration and storm-water management. Shorelines with native vegetation tend to focus boats and people to the ramps and docks. Shoreline and aquatic vegetation thrives and habitat improves in areas away from this concentrated use.

The DNR intends to further demonstrate its leadership in sustainable, natural resource sensitive Public Water Access facility design and management across the state. This project proposal would accelerate the DNR efforts to protect, restore and maintain the lakeshore located within existing Public Water Access Sites statewide through the ongoing water access facility rehabilitation and new site development programs. Special efforts will be made to pilot an in-depth educational effort to interpret the BMP's used. Site designs will reflect the individuality of each site to convey a sense of place. We will be working closely with supportive lakeshore owners' associations and/or watershed districts in site design, project implementation and ongoing monitoring.

Project selection criteria will include sites of facilities that contain one or more of the following: deteriorated shoreline, outdated storm water management practices, eroding surface soils, impaired visual impact from the lake, areas of previous development and/or disturbances. Criteria will also include high use and high visibility sites which have the greatest demonstration value. See project map for sample project sites.

Minnesota is currently a national leader in Public Water Access design and facility operations. It is the DNR's intent to expand this national status through its use of natural resource sensitive facility design and BMP implementation to the greatest extent possible, while continuing to safely and effectively meet the ever increasing user demands.

II. DESCRIPTION OF PROJECT RESULTS

Result 1: The design and installation of appropriate Best Management Practices for shoreline and vegetation restoration, storm-water management and overall facility design on 20-25 existing Public Water Access sites statewide. 530 sites are in need of substantial improvement. Budget: \$ 875,000.

Deliverable	Completion Date
1. Completion of 20-25 Water Access Site/Facility BMP improvements.	June 30, 2011
2. Demonstrated protection or restoration of several hundred feet of shoreline, vegetation management, and storm-water management improvements completed.	June 30, 2011

Result 2: Interpretation/Public Education**Budget: \$ 75,000****Deliverable****Completion Date**

1. Interpretive information is provided at each of the project sites customized to BMP's used.
2. Information is distributed to lake associations, watershed districts and local newspapers publicizing the activities and of the activities of the Program.

June 30, 2011

June 30, 2011

III. PROJECT STRATEGY AND TIMELINE**A. Project Team/Partners**

DNR will collaborate with local Lake Associations, Watershed Districts and other related entities to foster local interest, public involvement and continued facility and private lakeshore improvements. Minnesota Conservation Corps (MCC) will be used to help with implementation and initial project maintenance activities.

B. Project Impact

There are approximately 3000 public water access sites across the state including 1610 owned and operated by the DNR. Many of these facilities were originally developed during the 1950's through the 1980's and are in need of rehabilitation and renewal to meet today's environmental standards. This project proposal will facilitate the accelerated implementation of the necessary improvements and will provide the opportunity to educate local governments, lakeshore property owners, developers and the general public on the proper use of shoreline BMP's. This project will also provide the opportunity to formally evaluate new products and methods to determine effective they are in the challenging environment of the Upper Midwest and on a Water Access facility. This information will be distributed through National Water Access Organizations, including the States Organization for Boating Access in an effort to inform Boating Access Administrators throughout the Nation.

C. Timeline Requirements

All project activities will be completed on existing water access properties and therefore all activities will be completed within a 24 month time frame.

D. Long-Term Strategy (if applicable)

To implement and evaluate shoreline and vegetation restoration and storm-water management techniques and products on Public Water Access facilities throughout the State. To distribute the results of these activities through on-site interpretation, public participation and national forums in an effort to improve local, regional and national Water Access facility design and improvements in local water quality. Due to the scale and scope of the needed improvements, multiple funding sources will be used to meet the needs.

Project Budget

Demonstration of Best Management Practices for Shoreline Restoration and Storm Water Management at Public Water Access Sites

IV. TOTAL PROJECT REQUEST BUDGET (2 years)

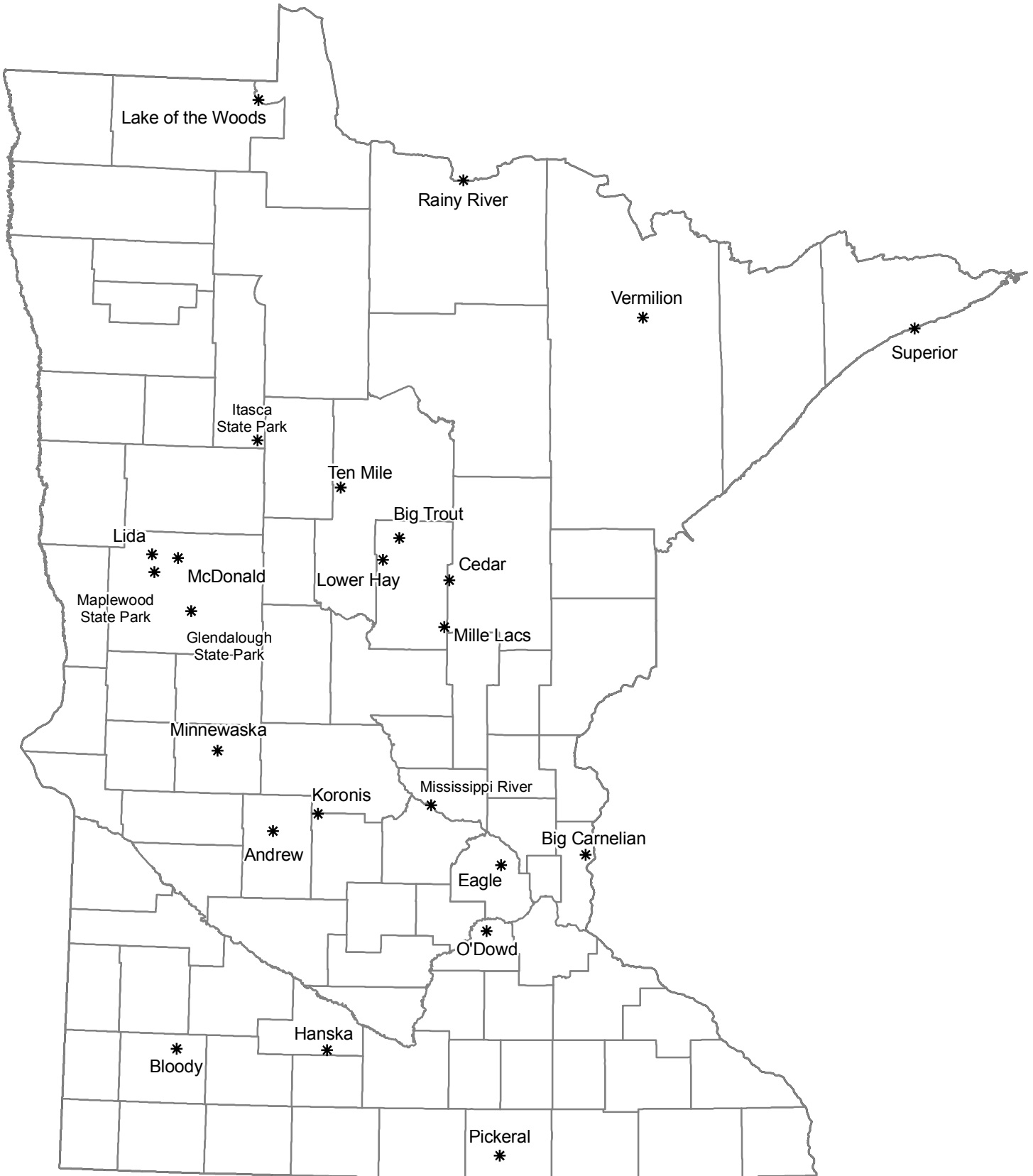
<u>BUDGET ITEM</u>	<u>AMOUNT</u>
Personnel: Professional service charges for design of stormwater improvements	\$50,000
Contracts: \$400,000 construction contracts for stormwater improvements and shoreline restoration. \$135,000 Minnesota Conservation Corps contract for shoreline restoration work	\$535,000
Equipment/Tools/Supplies: Fleet Charges for DNR construction equipment used	\$40,000
Acquisition (Fee Title or Permanent Easements): NA	\$0
Travel: NA	\$0
Additional Budget Items:	\$0
Plant materials, seed, mulch, soil amendments, erosion control and stormwater improvement supplies	\$250,000
Interpretive and Educational Materials	\$75,000
Total	\$950,000

V. OTHER FUNDS

<u>SOURCE OF FUNDS</u>	<u>AMOUNT</u>	<u>Status</u>
Other Non-State \$ Being Applied to Project During Project Period:		
Other State \$ Being Applied to Project During Project Period: Water recreation funds for DNR crews to construct the improvements at selected sites and to assist the MCC crews.	\$85,000	Secured
In-kind Services During Project Period: Volunteers and local groups may assist with the plantings and initial plant maintenance. It is difficult to estimate the value.	TBD	
Remaining \$ from Current Trust Fund Appropriation (if applicable): The Division of Parks and Trails has funds remaining from M.L. 2001, (Chap.2), Sec.(14), Subd.5(j); M.L. 2003, (Chap.128), Sec.(9), Subd.6(f); M.L. 2005, (Chap.1), Sec.(11), Subd.6(g-l); M.L.2007, (Chap.30), Sec.(2), Subd.4(e); and M.L. 2008, (Chap.367), Sec.(2), Subd. 3(h).	\$ 3,872,612.50	Acquisition and development in Progress
Funding History: NA		

LCCMR 2010

Demonstration of Best Management Practices for Shoreline Restoration and Storm-water Management at Public Water Access Sites



Trust Fund 2010 Project Proposal

Project Title: State Parks and Trails Demonstration of Best Management Practices for Shoreline Restoration and Storm Water Management at Public Water Access Sites

Qualifications

As Manager of Real Estate and Development for the Division of Parks and Trails, Larry Peterson oversees the Water Access facility development within the statutory boundaries of Minnesota State Parks.

As Planning, Acquisition and Development Manager for the Division of Parks and Trails, Stan Linnell oversees Water Access facility development throughout the State of Minnesota.

Organization Description

The Department of Natural Resources, Division of Parks and Trails operates 66 state parks, 7 state recreation areas, 575 miles of surfaced state trail, 1610 water access sites, 30 water trails and 9 state waysides throughout Minnesota. The Division connects people to the state's natural resources by providing access to outdoor recreation, conservation education and natural resource restoration and management.