

Request for Funding

Lessard-Sams Outdoor Heritage Council Fiscal Year 2016 / ML 2015

Program or Project Title: Indian Beach Harbor Ecological Enhancement Mission

Funds Requested: \$40,000

Manager's Name: Margaret Johnson

Title:

Organization: Middle Fork Crow River Watershed District

Street Address: 189 CTY RD. 8 NE

City: Spicer, MN 56288

Telephone: 320-796-0888

E-Mail: margaret@mfcrow.org

Organization Web Site:

County Locations: Kandiyohi

Ecological Planning Regions:

- Prairie

Activity Type:

- Restore
- Enhance

Priority Resources Addressed by Activity:

- Wetlands

Abstract:

Increased habitat for wildlife and improved recreational suitability will foster relationship between residents and water resources. Indian Beach Harbor has historically provided both habitat for spawning and recreation for lake-goers over decades. Without clearing the channel critical habitat will disappear.

Design and Scope of Work:

Green Lake is a natural wonder. Its water quality readings are more consistent with the mesotrophic lakes found in the Northern Lakes and Forests than the eutrophic lakes typically found near the border of the Western Corn Belt Plains, where it lies. Simply put, it has no business having the water quality it has, given its geographic location. As such, Green Lake is an extremely important resource to the cities of New London and Spicer, Kandiyohi County, and all of West Central Minnesota. Every year, thousands of visitors from around the country visit this region of the state to swim, fish, and recreate on the pristine waters of Green Lake. A real estate website, "lakehomes.com", describes the significance of Green Lake to its clients: "It is the main focus of the community of Spicer, where businesses cater to these lake residents who often come this way for a good time. There is a lot going on here, with outdoor concerts, lakeside decks to take in a meal and a drink, and an array of water activities on a constant basis. This is a destination lake that many choose to shop for real estate on, and its quality will keep it that way for many years to come." The bottom line is that the lake is a vital recreational and economic driver for all of Central Minnesota, and has been referred to as "the economic lifeblood of Kandiyohi County and the City of Spicer".

Indian Beach Harbor on the Northwest side of Green Lake historically has been a critical habitat and spawning for several fish species. However, the strong north wind fills up the harbor entrance with undesirable sand eliminating a pathway for fisheries, boaters, and clean water. The stagnant water in turn is stuck in the harbor and provides less than desirable habitat for those fishes stranded with no way out. By removing the sediment build up, this grant opportunity will allow for the open channel providing an alleyway again for the population of fish and also keep the sediment from creating murky water in the harbor and in Green Lake keeping the clean water track

record on the forefront of a Watershed District priority.

How the request addresses MN habitats:

The northwest side of Green Lake and in particular Indian Beach Harbor is one of the only outlets that historically have been critical habitat and spawning area for several fish species. Without this spawning habitat, Green Lake would see a detrimental reduction of fisheries and increased sediment loading into its pristine waters.

Please explain the nature of urgency:

Without funding, Indian Beach Harbor will be closed off as we know it by the sedimentation buildup, and the fisheries will be unable to use the harbor to spawn.

Planning

MN State-wide Conservation Plan Priorities:

- H3 Improve connectivity and access to recreation
- H6 Protect and restore critical in-water habitat of lakes and streams

Plans Addressed:

- U.S. Fish and Wildlife Service Strategic Habitat Conservation Model
- Upper Mississippi River and Great Lakes Region Projects Joint Ventures Plan

Please describe the science based planning and evaluation model used:

Spicer DNR Fisheries have concern regarding the sedimentation in the Indian Beach Harbor and are fearful that without the clean out will lose valuable spawning habitat for many different species of fish. Without calm and clear water, the oxygen supply is depleted turning in to an environment less than optimal.

LSOHC Prairie Section Priorities:

- Protect, enhance, or restore existing wetland/upland complexes, or convert agricultural lands to new wetland/upland habitat complexes

Accelerates or Supplements Current Efforts:

In its nine years of existence, the Middle Fork Crow River Watershed District has emphasized the importance of outreach to the communities and constituents it serves. Workshops, classroom sessions, seminars and other outreach tools have served as the basis for establishing interest in necessary BMP installation throughout the watershed. One of the areas of focus has been urban stormwater runoff and the high levels of sediment and nutrients it carries to area rivers and lakes. Even in the relatively small cities within the District, stormwater runoff has proven to be a major challenge. Sedimentation in Indian Beach Harbor does not provide for clean water, or recreational suitability which is something that the MFCRWD strives for in the District.

Non-OHF Money Spent in the Past:

Appropriation Year	Source	Amount
2013	Indian Beach Harbor Association (Private Funding Source)	10,500
2012	Indian Beach Harbor Association (Private Funding Source)	10,000
2011	Indian Beach Harbor Association (Private Funding Source)	8,500

Sustainability and Maintenance:

The Indian Beach Harbor Association historically has funding the clean out work for the benefit of all lake users. This is unsustainable as the Association only is several people.

Maintain Project Outcomes:

Year	Source of Funds	Step 1	Step 2	Step 3
2014	Indian Beach Harbor Association (Private Funding Source)	Allow for continuity of clean out if funds are available.	Provide cleanout.	Allow for recreation and fisheries to flourish.
2015	Indian Beach Harbor Association (Private Funding Source)	Allow for continuity of clean out if funds are available.	Provide cleanout.	Allow for recreation and fisheries to flourish.

Applicable Criteria:

If funded, this proposal will meet all applicable criteria set forth in MS 97A.056? - Yes

Best Management Practice:

Will restoration and enhancement work follow best management practices including MS 84.973 Pollinator Habitat Program? - Yes

Permanent Protection:

Is the activity on permanently protected land per 97A.056, subd 13(f), tribal lands, and/or public waters per MS 103G.005, Subd. 15? - Yes (Public Waters)

Accomplishment Timeline

Activity	Approximate Date Completed
Provide sediment cleanout, allowing for recreation and fisheries sustainability.	Spring 2016
Provide sediment cleanout, allowing for recreation and fisheries sustainability.	Spring 2017
Provide sediment cleanout, allowing for recreation and fisheries sustainability.	Spring 2018

Outcomes

Programs in prairie region:

- Key core parcels are protected for fish, game and other wildlife *DNR Fisheries will follow up to make sure the habitat is adequately suited for Green Lake fish and recreation.*

Relationship to Other Funds:

- No Relationships Listed

Budget Spreadsheet

Total Amount of Request: \$40,000

Budget and Cash Leverage

Budget Name	LSOHC Request	Anticipated Leverage	Leverage Source	Total
Personnel	\$0	\$0		\$0
Contracts	\$0	\$0		\$0
Fee Acquisition w/ PILT	\$0	\$0		\$0
Fee Acquisition w/o PILT	\$0	\$0		\$0
Easement Acquisition	\$0	\$0		\$0
Easement Stewardship	\$0	\$0		\$0
Travel	\$0	\$0		\$0
Professional Services	\$40,000	\$0		\$40,000
Direct Support Services	\$0	\$0		\$0
DNR Land Acquisition Costs	\$0	\$0		\$0
Capital Equipment	\$0	\$0		\$0
Other Equipment/Tools	\$0	\$0		\$0
Supplies/Materials	\$0	\$0		\$0
DNR IDP	\$0	\$0		\$0
Total	\$40,000	\$0	-	\$40,000

Amount of Request: \$40,000

Amount of Leverage: \$0

Leverage as a percent of the Request: 0.00%

Output Tables

Table 1a. Acres by Resource Type

Type	Wetlands	Prairies	Forest	Habitats	Total
Restore	0	0	0	0	0
Protect in Fee with State PILT Liability	0	0	0	0	0
Protect in Fee W/O State PILT Liability	0	0	0	0	0
Protect in Easement	0	0	0	0	0
Enhance	10	0	0	0	10
Total	10	0	0	0	10

Table 2. Total Requested Funding by Resource Type

Type	Wetlands	Prairies	Forest	Habitats	Total
Restore	\$0	\$0	\$0	\$0	\$0
Protect in Fee with State PILT Liability	\$0	\$0	\$0	\$0	\$0
Protect in Fee W/O State PILT Liability	\$0	\$0	\$0	\$0	\$0
Protect in Easement	\$0	\$0	\$0	\$0	\$0
Enhance	\$40,000	\$0	\$0	\$0	\$40,000
Total	\$40,000	\$0	\$0	\$0	\$40,000

Table 3. Acres within each Ecological Section

Type	Metro/Urban	Forest/Prairie	SE Forest	Prairie	Northern Forest	Total
Restore	0	0	0	0	0	0
Protect in Fee with State PILT Liability	0	0	0	0	0	0
Protect in Fee W/O State PILT Liability	0	0	0	0	0	0
Protect in Easement	0	0	0	0	0	0
Enhance	0	0	0	10	0	10
Total	0	0	0	10	0	10

Table 4. Total Requested Funding within each Ecological Section

Type	Metro/Urban	Forest/Prairie	SE Forest	Prairie	Northern Forest	Total
Restore	\$0	\$0	\$0	\$0	\$0	\$0
Protect in Fee with State PILT Liability	\$0	\$0	\$0	\$0	\$0	\$0
Protect in Fee W/O State PILT Liability	\$0	\$0	\$0	\$0	\$0	\$0
Protect in Easement	\$0	\$0	\$0	\$0	\$0	\$0
Enhance	\$0	\$0	\$0	\$40,000	\$0	\$40,000
Total	\$0	\$0	\$0	\$40,000	\$0	\$40,000

Table 5. Average Cost per Acre by Resource Type

Type	Wetlands	Prairies	Forest	Habitats
Restore	\$0	\$0	\$0	\$0
Protect in Fee with State PILT Liability	\$0	\$0	\$0	\$0
Protect in Fee W/O State PILT Liability	\$0	\$0	\$0	\$0
Protect in Easement	\$0	\$0	\$0	\$0
Enhance	\$4,000	\$0	\$0	\$0

Table 6. Average Cost per Acre by Ecological Section

Type	Metro/Urban	Forest/Prairie	SE Forest	Prairie	Northern Forest
Restore	\$0	\$0	\$0	\$0	\$0
Protect in Fee with State PILT Liability	\$0	\$0	\$0	\$0	\$0
Protect in Fee W/O State PILT Liability	\$0	\$0	\$0	\$0	\$0
Protect in Easement	\$0	\$0	\$0	\$0	\$0
Enhance	\$0	\$0	\$0	\$4,000	\$0

Target Lake/Stream/River Feet or Miles

0

Parcel List

Section 1 - Restore / Enhance Parcel List

Kandiyohi

Name	TRDS	Acres	Est Cost	Existing Protection?
Indian Beach Harbor Own Assn	12133231	10	\$40,000	No

Section 2 - Protect Parcel List

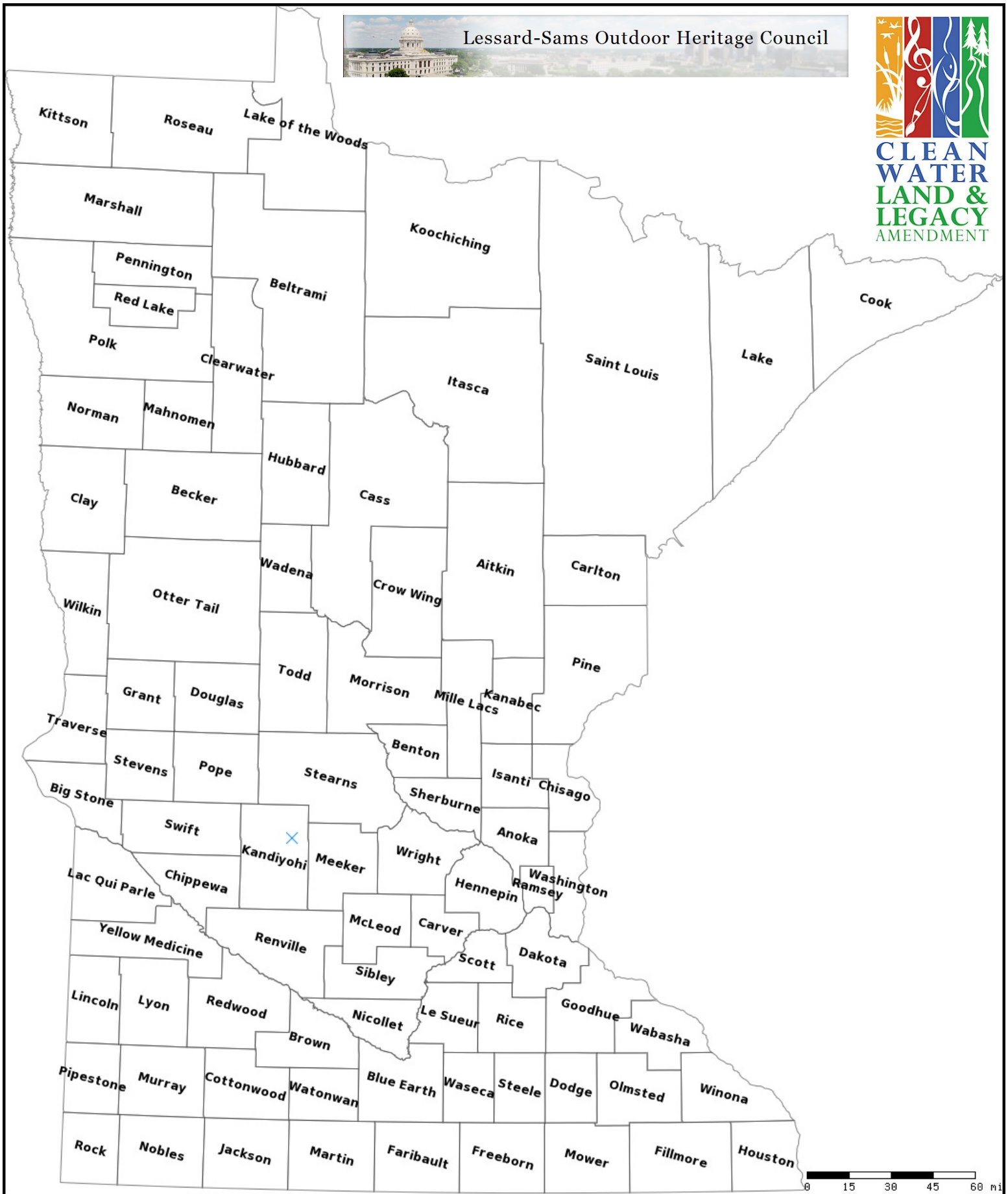
No parcels with an activity type protect.

Section 2a - Protect Parcel with Bldgs

No parcels with an activity type protect and has buildings.

Section 3 - Other Parcel Activity

No parcels with an other activity type.



Indian Beach Harbor Ecological Enhancement Mission

Legend

- Protect in Easement
- ▲ Protect in Fee with PILT
- Protect in Fee w/o PILT
- ★ Restore
- ✕ Enhance
- + Other



Indian Beach Harbor Critical Water Quality and Fisheries Habitat