

# Request for Funding

## Lessard-Sams Outdoor Heritage Council Fiscal Year 2015 / ML 2014

**Program or Project Title:** Cleary Lake Habitat Restoration Project

**Funds Requested: \$400,000**

**Manager's Name:** John Barten

**Title:** Director of Natural Resources

**Organization:** Three Rivers Park District

**Street Address:** 12615 County Road 9

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**Organization Web Site:** [www.threeriverspark.org](http://www.threeriverspark.org)

**County Locations:** No Counties Listed

### Ecological Planning Regions:

- Metro / Urban

### Activity Type:

- Enhance

### Priority Resources Addressed by Activity:

- Habitat

## Abstract:

Improve the quality of Cleary Lake to restore the fishery by controlling invasive species (curly-leaf pondweed), reduce phosphorus runoff from watershed, and control internal phosphorus cycling with alum.

## Design and Scope of Work:

This project will restore the quality and biologic habitat of Cleary Lake, a 153 acre waterbody located in Cleary Lake Regional Park, Scott County. Curly-leaf pondweed will be controlled by application of a herbicide over a four to five year time period. Watershed loading of phosphorus will be reduced by implementing best management practices on surrounding cropland and enhancing the ability of park wetlands to filter runoff water. Internal phosphorus loading from lake sediments will be reduced by application of aluminum sulfate (alum) to the lake bottom. The improved water quality will allow for the re-establishment of the historic bass-bluegill fishery in the lake. The project will protect, enhance and restore riparian and littoral habitat to benefit game and non-game fish species, and will protect a shallow lake open to fishing by the general public.

## Planning

### MN State-wide Conservation Plan Priorities:

- H2 Protect critical shoreland of streams and lakes
- H4 Restore and protect shallow lakes
- H5 Restore land, wetlands and wetland-associated watersheds
- H6 Protect and restore critical in-water habitat of lakes and streams

## Plans Addressed:

- Managing Minnesota's Shallow Lakes for Waterfowl and Wildlife
- Minnesota Sustainability Framework
- National Fish Habitat Action Plan

## LSOHC Statewide Priorities:

- Are ongoing, successful, transparent and accountable programs addressing actions and targets of one or more of the ecological sections
- Leverage effort and/or other funds to supplement any OHF appropriation
- Provide Minnesotans with greater public access to outdoor environments with hunting, fishing and other outdoor recreation opportunities
- Restore or enhance habitat on permanently protected land

## LSOHC Metro Urban Section Priorities:

- Protect, enhance, and restore riparian and littoral habitats on lakes to benefit game and nongame fish species

## Relationship to Other Constitutional Funds:

- No Relationships Listed

## Accelerates or Supplements Current Efforts:

Award of the funds requested for improvement of Cleary Lake will supplement and accelerate efforts by Three Rivers Park District, Scott County and the MNDNR to improve water quality and aquatic habitat in Cleary Lake. Previous initiatives included channel excavation to allow a lake drawdown, shoreline stabilization, watershed erosion control, Curly-leaf pondweed control, and fish stocking. The MNDNR is working to improve the lake as a bass-panfish fishery through stocking. Three Rivers Park District maintains natural vegetation around the lake shoreline to improve panfish spawning opportunities, and promotes bass and sunfish fishing in the lake. This proposal would continue that work by controlling the remaining Curly-leaf pondweed in the lake, reducing the nutrient inflow and reducing the internal recycling of nutrients.

## Sustainability and Maintenance:

Three Rivers Park District has invested millions of dollars in recreational facilities in Cleary Lake Regional Park adjacent to Cleary Lake (campground, fishing piers, boat launch, picnic areas) and is committed to improving and maintaining the aquatic habitat and water quality of the lake. It is anticipated that rough fish and Curly-leaf pondweed control will be ongoing activities. Park District staff will complete annual surveys to determine the nuisance level of these species and then implement necessary control activities. The Park District will continue current water quality monitoring activities and plant surveys in Cleary Lake to measure the effectiveness of the proposed restoration activities. The cost of the proposed monitoring activities is estimated at \$8,000 annually, with funding from the Park District operating budget. Funding for the additional rough fish control, CLP control and enhancement of the alum blanket is estimated at \$20,000 annually, with funding from the Asset Management Budget. The Board of Commissioners annually commits \$500,000 to natural resource management activities. The Park District will also continue to work with the Scott Watershed Management Organization to implement best management practices on agricultural land in the lake watershed.

## Permanent Protection:

*Is the activity on permanently protected land and/or public waters per MS 103G.005, Subd. 15? - **Yes***  
**(County/Municipal, Public Waters)**

## Accomplishment Timeline

Activity	Approximate Date Completed
Apply alum to Cleary Lake	12/15/2016
Curly-leaf pondweed control	12/15/2019
Install watershed best management practices	12/15/2019

## Outcomes

### Programs in metropolitan urbanizing region:

- Improved aquatic habitat indicators *Through bi-weekly chemical, physical, and biological monitoring implemented by the Park District and Scott County Watershed, fish population surveys by MDNR*

# Budget Spreadsheet

**Total Amount of Request: \$400,000**

## Budget and Cash Leverage

Budget Name	LSOHC Request	Anticipated Leverage	Leverage Source	Total
Personnel	\$0	\$50,000		\$50,000
Contracts	\$400,000	\$0		\$400,000
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	\$0	\$0		\$0
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	\$400,000	\$50,000	-	\$450,000

## Personnel

Position	FTE	Over # of years	LSOHC Request	Anticipated Leverage	Leverage Source	Total
	0.25	4.00	\$0	\$50,000	Private Source	\$50,000
	0.00	0.00	\$0	\$0		\$0
Total	0.25	4.00	\$0	\$50,000	-	\$50,000

## Capital Equipment

Item Name	LSOHC Request	Anticipated Leverage	Leverage Source	Total
	\$0	\$0		\$0
Total	\$0	\$0	-	\$0

## Output Tables

**Table 1. 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	0	0	0	137	137
Total	0	0	0	137	137

**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	\$0	\$0	\$0	\$400,000	\$400,000
Total	\$0	\$0	\$0	\$400,000	\$400,000

**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	137	0	0	0	0	137
Total	137	0	0	0	0	137

**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	\$400,000	\$0	\$0	\$0	\$0	\$400,000
Total	\$400,000	\$0	\$0	\$0	\$0	\$400,000

**Table 5. Target Lake/Stream/River Miles**

3 miles

# Parcel List

## Section 1 - Restore / Enhance Parcel List

Scott

<b>Name</b>	<b>TRDS</b>	<b>Acres</b>	<b>Est Cost</b>	<b>Existing Protection?</b>
Cleary Lake	11421207	137	\$450,000	Yes

## 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.