

**Environment and Natural Resources Trust Fund
2012-2013 Request for Proposals (RFP)**

Project Title:

ENRTF ID: 080-D

Lake Zumbro Environmental Restoration Project

Topic Area: D. Land Acquisition & Restoration

Total Project Budget: \$ 7,000,000

Proposed Project Time Period for the Funding Requested: 2 yrs, July 2013 - June 2015

Other Non-State Funds: \$ 2,000,000

Summary:

Lake Zumbros environmental restoration project purpose: restore the lake back to its original state when it was formed in 1919. It provides critical aquatic/wildlife habitat and renewable hydroelectric power.

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Sponsoring Organization: The Olmsted-Wabasha Counties Lake Zumbro Joint Powers Board

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Location

Region: SE

County Name: Olmsted, Wabasha

City / Township:

<input type="checkbox"/> Funding Priorities	<input type="checkbox"/> Multiple Benefits	<input type="checkbox"/> Outcomes	<input type="checkbox"/> Knowledge Base
<input type="checkbox"/> Extent of Impact	<input type="checkbox"/> Innovation	<input type="checkbox"/> Scientific/Tech Basis	<input type="checkbox"/> Urgency
<input type="checkbox"/> Capacity Readiness	<input type="checkbox"/> Leverage	<input type="checkbox"/> Employment	<input type="checkbox"/> TOTAL _____%



Environment and Natural Resources Trust Fund (ENRTF)

2012-2013 Main Proposal

INSTRUCTIONS AND TEMPLATE (2 PAGE LIMIT)

PROJECT TITLE:

The Lake Zumbro Environmental Restoration Project will be completed within Public Waters so all restoration areas will continue to be accessible and extensively used by the public consistent with Article XI of the Minnesota Constitution and Minnesota Statutes and Laws, including restrictions on acquisition of lands in the public domain, as required by Minnesota Statutes 2010, Section 97A.056, Subdivision 9.

The project will be administered by the Olmsted-Wabasha Counties Lake Zumbro Joint Powers Board, and therefore will utilize the established state and county processes to ensure transparency and access to information about the project/program in all stages of project/program implementation.

The significance of the Lake Zumbro Restoration Project lies in the lake having the highest population-to-lake-area ratio in all of Greater Minnesota. There are no other lakes of comparable size, depth, and recreational opportunity within an hour's drive of the City of Rochester. The lake is located just 6 miles north of the Rochester (100,000-plus residents), and within 15 miles of 12 small cities. The Rochester area is one of the fastest growing areas of the state with a population increase of 17% within just the last decade. This recreational resource will help address the State's Conservation Plan goal of meeting critical demand for outdoor recreation opportunities while limiting the need to travel great distances. A related environmental benefit is the enhanced potential for increased hydropower production at the Lake Zumbro dam.

Lake Zumbro's shallow bays and headwater area have many of characteristics of degraded shallow lake habitat, and are subject to mixing from wind, surface use, and carp, resulting in near-constant turbid water. The State Conservation Plan habitat recommendation 4: Restore and protect shallow lakes (page 373): recommends accelerated efforts to restore and improve this type of habitat. The Lake Zumbro Restoration Project will sustain this fragile aquatic habitat for this and succeeding generations.

II. DESCRIPTION OF PROJECT ACTIVITIES

Dredging would be undertaken to restore 120 acres of the lake for aquatic/wildlife habitat and recreational use. Preliminary engineering and design work for the dredging and spoil management has been completed by Barr Engineering, Inc. Proposed dredge prisms have been developed in consultation with the Minnesota Department of Natural Resources (DNR). Project objectives include: restoring aquatic/wildlife habitat, improving water quality, increasing public access, expanding recreational opportunities for fishing, boating, swimming and enhancing hydroelectric production.

III. PROJECT STRATEGY

A. Project Team/Partners

In June of 2009, Olmsted and Wabasha Counties expanded the authorities of the lake Zumbro Joint Powers Board to include 1) administering grants and loans for funding lake dredging, purchasing engineering and construction services for the dredging, and 3) purchasing land and easements for construction access and dredge materials management. The Joint Powers Board has accepted funding from the State of Minnesota and the City of Rochester, and in-kind contributions from the Lake Zumbro Forever, Inc. to complete the preliminary engineering for the dredging project.

B. Timeline Requirements

We have identified the funding necessary to fully implement the project, and have a plan to sustain the resource outcomes specified, including a plan to finance the necessary activities.

Olmsted and Wabasha County have established a Joint Powers Board with the authority needed to sustain and maintain the Lake Zumbro rehabilitation work. Additionally, the non-profit organization, *Lake Zumbro Forever, Inc.*, was created to assist in the initial lake rehabilitation, and to provide an organization dedicated to funding the long term maintenance of the rehabilitation work. In addition to ongoing work to reduce sedimentation in the watershed upstream of Lake Zumbro, maintenance dredging would be done in 2013 to assure sustainability and long term value of the initial dredging investment.

The preliminary engineering completed by Barr Engineering Co. Inc. includes features specifically designed for collecting sediment in areas that are easily accessible to minimize future maintenance costs. The Zumbro Watershed Partnership's targeting of conservation practices using LiDAR is expected to significantly improve the efficiency and effectiveness of soil and water conservation practices.

C. Long-Term Strategy and Future Funding Needs

With maintenance and improvements in erosion and sedimentation control in the upstream watershed area, the Lake Zumbro rehabilitation project benefits for recreation and aquatic habitat improvements are projected to last at least 50 years.

2012-2013 Detailed Project Budget

INSTRUCTIONS AND TEMPLATE (1 PAGE LIMIT)

Attach budget, in MS-EXCEL format, to your "2012-2013 LCCMR Proposal Submit Form".

(1-page limit, single-sided, 10 pt. font minimum. Retain bold text and DELETE all instructions typed in italics. ADD OR DELETE ROWS AS NECESSARY. If a category is not applicable write "N/A", leave it blank, or delete the row.)

IV. TOTAL ENRTF REQUEST BUDGET 2 years

BUDGET ITEM <i>(See list of Eligible and Non-Eligible Costs, p. 11)</i>	AMOUNT
Personnel:	\$ -
Contracts: <i>Consulting engineers, dredging contract dredging.</i>	\$ 5,000,000
Equipment/Tools/Supplies:	\$ -
Acquisition (Fee Title or Permanent Easements): <i>Long term storage and dredged material disposal sites</i>	\$ 1,200,000
Travel:	\$ -
Additional Budget Items: <i>Professional Services</i>	\$ 800,000
TOTAL ENVIRONMENT AND NATURAL RESOURCES TRUST FUND \$ REQUEST =	\$ 7,000,000

V. OTHER FUNDS

SOURCE OF FUNDS	AMOUNT	Status
Other Non-State \$ Being Applied to Project During Project Period:	\$ 3,000,000	
Lake Improvement District \$2,000,000		Secured
Rochester Public Utilities \$1,000,000		Pending
Other State \$ Being Applied to Project During Project Period:		
In-kind Services During Project Period:	\$ -	
Remaining \$ from Current ENRTF Appropriation (if applicable):	\$ -	
Funding History:	\$ -	

Project Manager :

Matthew J Heinz

30 years Project Management experience for IBM in the areas of manufacturing and supply Chain

