
Name of Organization: Central Lake Superior Watershed Partnership

Type of Organization: Other

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Project Title: Coaster Brook Trout Protection Initiative

Project Category: Habitat (Ecological) Protection and Rest

Rank by Organization (if applicable): 0

Total Funding Requested (\$): 52,700 **Project Duration:** 2 Years

Abstract:

The Salmon Trout River Watershed located in Michigan's Upper Peninsula contains the only documented naturally reproducing population of Coaster Brook Trout (*Salvelinus fontinalis*) on the south shore of Lake Superior. But this population is threatened from excessive sedimentation which impacts critical spawning and feeding habitat. In addition, improper stream crossings impact natural fish migration. A comprehensive field inventory has been completed cooperatively by the Michigan Department of Natural Resources, Trout Unlimited, the Huron Mountain Club and the US Fish and Wildlife Service (1999). This inventory has prioritized the most significant sources of pollution impacting critical Coaster Brook Trout habitat but there is no funding to correct these problems. GLNPO funds would be used to address the ten most significant impacts on the Salmon Trout Watershed and would effectively decrease sedimentation by 70% with a corresponding increase in Coaster Brook Trout reproduction potential. Lastly, this project would have an innovative public education component to prevent future impacts to this crucial resource. Audiences targeted for public outreach include: landowners, local units of government, loggers, road commission, schools and community organizations. Project information would also be distributed throughout the Lake Superior basin via the Lake Superior Binational Forum and other basin-wide organizations.

Geographic Areas Affected by the Project

States:

- | | |
|--|---------------------------------------|
| <input type="checkbox"/> Illinois | <input type="checkbox"/> New York |
| <input type="checkbox"/> Indiana | <input type="checkbox"/> Pennsylvania |
| <input checked="" type="checkbox"/> Michigan | <input type="checkbox"/> Wisconsin |
| <input type="checkbox"/> Minnesota | <input type="checkbox"/> Ohio |

Lakes:

- | | |
|--|------------------------------------|
| <input checked="" type="checkbox"/> Superior | <input type="checkbox"/> Erie |
| <input type="checkbox"/> Huron | <input type="checkbox"/> Ontario |
| <input type="checkbox"/> Michigan | <input type="checkbox"/> All Lakes |

Geographic Initiatives:

- | | | | | |
|--|----------------------------------|-------------------------------------|--------------------------------------|---|
| <input type="checkbox"/> Greater Chicago | <input type="checkbox"/> NE Ohio | <input type="checkbox"/> NW Indiana | <input type="checkbox"/> SE Michigan | <input type="checkbox"/> Lake St. Clair |
|--|----------------------------------|-------------------------------------|--------------------------------------|---|

Primary Affected Area of Concern: Not Applicable

Other Affected Areas of Concern:

For Habitat Projects Only:

Primary Affected Biodiversity Investment Area: Not Applicable

Other Affected Biodiversity Investment Areas:

Problem Statement:

The Salmon Trout River Watershed located in Michigan's Upper Peninsula contains the only documented naturally reproducing population of Coaster Brook Trout (*Salvelinus fontinalis*) on the south shore of Lake Superior. But this population is threatened from excessive sedimentation which impacts critical spawning and feeding habitat. In addition, several improper stream crossings impact natural fish migration. Lastly, there is a need for public education regarding the Coaster Brook Trout and the land use impacts that threaten this rare species of Lake Superior fish.

Proposed Work Outcome:

A comprehensive field inventory has been completed cooperatively by the Michigan Department of Natural Resources (MDNR), Trout Unlimited, the Huron Mountain Club and the US Fish and Wildlife Service (1999). This inventory has prioritized the most significant sources of pollution impacting critical Coaster Brook Trout habitat but there is no funding to correct these problems. GLNPO funds would be used to address the ten most significant impacts on the Salmon Trout Watershed and would effectively decrease sedimentation by 70% with a corresponding increase in Coaster Brook Trout reproduction potential. Before and after monitoring would be completed by the MDNR and Northern Michigan University. Lastly, this project would have an innovative public education component to prevent future impacts to this crucial resource. Audiences targeted for public outreach include: landowners, local units of government, loggers, road commission, schools and community organizations. Project information would be distributed throughout the Lake Superior basin via the Lake Superior Binational Forum and other basin-wide organizations.

Project Milestones:	Dates:
Project Start	08/2000
Contractor Selection	08/2000
Begin Habitat Protection and Restoration	05/2001
Begin Public Education Component	10/2001
Continue Habitat Protection and Restor.	05/2002
Conduct Monitoring With MDNR and NMU	06/2002
Disemminate Results Basin-wide	07/2002
Project End	08/2002

Project Addresses Environmental Justice

If So, Description of How:

The Coaster Brook Trout Protection Initiative addresses environmental justice issues by involving and benefiting all people in the nine watershed area regardless of race, color, national origin or income.

Project Addresses Education/Outreach

If So, Description of How:

The Coaster Brook Trout Protection Initiative has a comprehensive public education component that targets watershed landowners, local units of governments and regional community organizations. Outreach materials (newsletters, mailings) and public presentations will provide information on how to protect and restore critical Great Lakes habitat crucial to the survival of the Coaster Brook Trout and other species.

Project Budget:

	Federal Share Requested (\$)	Applicant's Share (\$)
Personnel:	6,000	2,000
Fringe:	1,500	750
Travel:	1,000	500
Equipment:	0	1,750
Supplies:	0	500
Contracts:	42,000	5,000
Construction:	0	20,000
Other:	1,200	1,000
Total Direct Costs:	51,700	31,500
Indirect Costs:	1,000	0
Total:	52,700	31,500
Projected Income:	0	0

Funding by Other Organizations (Names, Amounts, Description of Commitments):

The Central Lake Superior Watershed Partnership has recieved funding or funding committments from the following organizations for the Coaster Brook Trout Protection Initiative:

Road Commission: \$20,000 in related labor, equipment and materials.

Marquette Community Foundation: \$3,250 for related personnel and travel expenses.

Marquette County Conservation District:\$6,000 for related contractual expenses.

Local Townships: \$2,250 for general project expenses and supplies.

Description of Collaboration/Community Based Support:

The Coaster Brook Trout Protection Initiative has collaboration from the following organziations and agencies:

Trout Unlimited

Central Lake Superior Watershed Partnership

Central Lake Superior Land Conservancy

Huron Mountain Club

Northern Michigan University

Lake Superior Binational Forum

Michigan Department of Natural Resources, Fisheries Division

Michigan Department of Environmental Quality

Natural Resources Conservation Service

US Fish and Wildlife Service

Marquette County

Marquette County Conservation District

Marquette County Township Association

Marquette County Drain Commissioner

Marquette County Road Commission

Partners have committed to providing technical and financial assistance or they serve on the project advisory council. In addition some partners have committed equipment or materials. Status is current.