



# Environment and Natural Resources Trust Fund

2025 Request for Proposal

## General Information

**Proposal ID:** 2025-010

**Proposal Title:** Enhancing Our Resources-Rural Health and Drinking Water

## Project Manager Information

**Name:** Jeffrey Broberg

**Organization:** Freshwater Society

**Office Telephone:** (507) 273-4961

**Email:** brobergmnwoo@gmail.com

## Project Basic Information

**Project Summary:** Arsenic in Southern Minnesota drinking water: Linking health risk reduction (education) with well water testing, geology, and arsenic health risks to private well owners through family medicine and hydrology

**ENRTF Funds Requested:** \$1,062,000

**Proposed Project Completion:** December 31, 2027

**LCCMR Funding Category:** Water Resources (B)

## Project Location

**What is the best scale for describing where your work will take place?**

Region(s): SW, SE,

**What is the best scale to describe the area impacted by your work?**

Statewide

**When will the work impact occur?**

During the Project and In the Future

## Narrative

### **Describe the opportunity or problem your proposal seeks to address. Include any relevant background information.**

This eight-county pilot project is a novel opportunity to use glacial history and geologic information to identify the health risks of Minnesota's arsenic-containing aquifers. Of the 1,069 new wells drilled since 2008, 16% to 25% exceed the 10 ug/L Health Risk Limit for arsenic, and up to 65% exceed 2 ug/L arsenic, where water treatment is recommended to protect family health. Although there are 12,002 registered wells in the pilot area, we estimate 34,000 private wells are actually in use.

We plan to educate private well users (PWUs) and Mayo Clinic healthcare providers who frequently diagnose and treat preventable diseases from chronic arsenic exposure. This pilot will advance natural resources and drinking water education to protect family health and avoid preventable diseases.

For 8,000 households we propose free arsenic testing combined with practical information about how well construction and glacial geology influence arsenic risk in drinking water. PWUs with certified lab results of their drinking water that links to geologists, water well experts, and healthcare providers will raise awareness of local geology and how natural resource knowledge can protect family health.

Understanding how geology relates to arsenic risk would benefit all well owners.

### **What is your proposed solution to the problem or opportunity discussed above? Introduce us to the work you are seeking funding to do. You will be asked to expand on this proposed solution in Activities & Milestones.**

This pilot project would increase drinking water geologic knowledge in southern Minnesota while addressing arsenic health concerns of both well owners and Mayo family health practitioners.

The pilot delivers multi-media geologic education targeted for well owners and Mayo family physicians and would offer 8,000 free arsenic tests for high-risk private well owners in eight southern Minnesota counties where Mayo has patients (Rice, Steele, Freeborn, Waseca, Faribault, Blue Earth, Watonwan, and Martin Counties.)

Unfortunately, many well owners ignore arsenic health risks in water due to perceived barriers. Dr Jegen's 2023 survey of 280,000 Midwest patients confirmed that patients and healthcare providers worry about arsenic exposure and report feeling uninformed about testing or preventing chronic health consequences.

We propose that our group implement these components for this pilot program:

- Education programs and multi-media outreach to well owners and to family health providers about the geologic occurrence and arsenic risks in counties where Mayo operates clinics.
- Offer two types of free arsenic testing programs. Mayo Clinic patients can register online for free arsenic test kits. MNWOO and Freshwater will hold sixteen free water testing clinics (one per County per year), offering drinking water stewardship advice to all participating well owners.

### **What are the specific project outcomes as they relate to the public purpose of protection, conservation, preservation, and enhancement of the state's natural resources?**

This pilot is designed to address arsenic in drinking water. It will work with geologists, water well/drinking water experts, and Mayo Clinic physicians to educate private well owners on how to use geologic information, well testing, and water treatment to reduce preventable arsenic-related diseases.

Two years of consistent messaging, 8,000 free arsenic tests distributed at sixteen free water clinics and from Mayo referrals will link local glacial geology to private wells and health risk management advice to thousands of households.

Combining local geology with health risk prevention and water treatment education can help reduce preventable diseases in Minnesota.

## Activities and Milestones

### Activity 1: Planning and Implementation: Define Project Scope, Scale, Partners, Communications, and Schedule.

**Activity Budget:** \$92,000

**Activity Description:**

A comprehensive project plan will outline the delivery of our 30-month, eight-county pilot project, which is designed to educate private well owners about glacial geology, arsenic risks, and health hazards.

The pilot area has high drinking water arsenic levels, and Mayo has Family Medicine patients.

This unique drinking water pilot will provide 8,000 free arsenic tests linked to the glacial history and the localized arsenic mineral contamination in local aquifers. Arsenic is a “geogenic contaminant” linked to preventable disease if found in drinking at more than 10 micrograms per liter (ug/L, or parts per billion, ppb).

Geologists and health care professionals will work together to advise private well owners of regional arsenic risks.

A coordinated focus will educate every local well owner and Mayo Family Physician with a unified message that private wells in the Des Moines lobe may have high arsenic risks.

Using a consistent geologic and health-risk message, the goal is to create arsenic risk awareness among geologists, well owners, well and service providers, and healthcare providers. The plan will guide the development of tools and guidance to promote awareness of geologic arsenic risks and health hazards from drinking water anywhere.

**Activity Milestones:**

Description	Approximate Completion Date
Define arsenic and drinking water risk assessment outreach tools, programs and deliverables for Health Care	December 31, 2025
Define and schedule arsenic testing clinic programs for MNWOO partners and general public	December 31, 2025
Develop project scope, structure, project controls and schedule with collaborators, staff and contractors.	December 31, 2025
Develop and execute detailed multi-media project communication plans	December 31, 2025
Produce and publish outreach materials targeted for well owners and health care professionals	April 30, 2026
Mid-project report and assessment on accomplishments and needs	April 30, 2026
Compile final report and documents for public use	December 31, 2027

### Activity 2: Free Arsenic Testing and Geologic Risk of Personal Drinking Water for 25-30% of Households in the Eight Target Counties.

**Activity Budget:** \$766,000

**Activity Description:**

8,000 residents in eight southern Minnesota counties will receive free arsenic water tests from a certified laboratory. Mayo patients will receive 5,000 and clinic attendees will receive 3,000 free tests. The goal is for well owners to share the tests with their family physicians and employ water treatment if arsenic levels exceed 2.0 ppb. Of course, testing is optional and confidential.

At Mayo Clinic, patients at 13 clinics will be given one of 5,000 vouchers for free water tests that are ordered online with

return mailers, confidential follow-up test results, and encouragement to discuss the results with primary care providers. At each of the sixteen MNWOO water testing clinics, 3,000 well owners can submit drinking water samples that will be analyzed for free at a certified laboratory. Well owners can consult with project partners and water experts at the clinics and, PWUs can take home a well portfolio with information about assessing and understanding their wells and drinking water risks.

All private well tests will be kept confidential. PWUS will be encouraged to share their test results with their family doctors and to employ one of the available effective arsenic water treatment options.

**Activity Milestones:**

Description	Approximate Completion Date
Communication and messaging for geology, arsenic risks, water treatment to well owners and Mayo Physicians	December 31, 2025
1,500 arsenic laboratory analyses for the public in 2026 through eight MNWOO-Freshwater clinics.	October 31, 2026
2,500 arsenic test kits for 2026 Mayo patients with testing vouchers in year one.	December 31, 2026
1,500 arsenic lab analysis in 2027 at MNWOO-Freshwater clinics in year two.	October 31, 2027
Prepare project summaries, publications, final toolkit, guidance and conference materials for project and future use	December 31, 2027
Four conference presentations	December 31, 2027
2,500 arsenic test for 2027 Mayo patients with testing vouchers in year two	December 31, 2027

**Activity 3: Linking local geology, well testing, well construction and water treatment options with regional arsenic risks and family health care.**

**Activity Budget:** \$204,000

**Activity Description:**

This activity's goals are to make every well owner and physician in the pilot area aware of the glacial geology and arsenic risks of their aquifers, to increase local arsenic well testing greatly, and to encourage all well owners with high arsenic to consult with their family physicians and treat their water.

The project's multi-media links will use technical USGS Publications, the County Geologic Atlases from the Minnesota Geological Survey and MNDNR, the Minnesota Health Department well, water testing and survey data, and arsenic information from the Centers for Disease Control.

We will fully utilize Freshwater Society volunteer recruitment, communications, outreach experience, MNWOO clinics and publications, and Mayo Clinic health communications to engage and educate all local well owners and partners about their geology and arsenic drinking water risks.

The project will deploy direct mail, social media, and public messaging. Communications will focus on the local media outlets most used in the eight-county area and on engaging healthcare providers through consistent messaging and continuing education.

Our public engagement will be developed with County Environmental and Public Health Services, community groups, churches, and schools and coordinated with the new U of M Water Resource Center "Water Well Stewards Program."

**Activity Milestones:**

Description	Approximate Completion Date
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Initial communications to target audiences in pilot counties about free well testing and arsenic risks.	April 30, 2026
Recruitment and coordination of community supporters to promote well testing and arsenic treatment.	May 31, 2026
Follow-up communications to all well owners.	May 31, 2027
Multi-media outreach materials for private well users	December 31, 2027
Educational materials and resources for physicians prompting water testing and arsenic risk management	December 31, 2027
Final reports, presentations and conferences.	December 31, 2027

## Project Partners and Collaborators

Name	Organization	Role	Receiving Funds
Dr Brandon Hidaka MD PhD	Mayo Clinic Health System	PhD Family Physician and Professional Consultant with a special interest in rural health.	Yes
Jeffrey Broberg, LPG	Minnesota Well Owners Organization (MNWOO)	Project Manager responsible for planning, organizing, and implementing the project goals, including coordinating steering committee, staff, and consultants focusing on sharing geology and drinking water arsenic risks with health care providers and well owners through Arsenic water testing and multi-media communications	Yes
Dr Melinda (Mindy) Erickson, PhD	USGS Upper Midwest Water Science Center - Minnesota office.	National expert with numerous publications on the occurrence of Arsenic in groundwater. Consulting Hydrologist/Geologist.	Yes
Dr Dominika Jegen, MD MA CCFP(EM) DABFM	Mayo Clinic	Physician Consultant - Rural Family Physician with a special interest in rural population health from the perspective of safe water provision.	Yes
Paul Wotzka	MNWOO	Paul is a hydrologist and MNWOO founding director who is the lead in coordinating the MNWOO/MGWA state-wide water testing clinics. Paul will participate in the steering committee and provide advice about water well hydrology, water quality, and technical communication for a non-technical audience.	Yes
Michelle Stockness	Freshwater	Project coordination, participation in the steering committee, communications on safe drinking water as a past AWW Vice President.	Yes
Carrie Jennings, PhD	Freshwater	Geology and occurrence of arsenic in glacial aquifers ,participation in Steering Committee, review of outreach and resources.	Yes
Chris O'Brien	Freshwater	Communications coordinator, leading development of marketing and messaging tools.	Yes
Jeff Stoner	Education Committee - Minnesota Groundwater Association (MGWA)	Geologist. Steering Committee for MGWA/MNWOO water clinics and private well owner outreach.	Yes
Bruce Olsen	Education Committee - Minnesota Groundwater Association (MGWA)	Geologist Bruce retired from the Health Department, where he developed source water protection programs and aquifer assessments. He now serves on the MGWA Education Committee and the MGWA/MNWOO Water Clinic Steering Committee and helped develop Private Well Owners Portfolio and water clinic guidance.	Yes
Cathy Rucci	Freshwater	Project coordination and financial management and reimbursement for clinics, testing and outreach.	Yes

## Long-Term Implementation and Funding

**Describe how the results will be implemented and how any ongoing effort will be funded. If not already addressed as part of the project, how will findings, results, and products developed be implemented after project completion? If additional work is needed, how will this work be funded?**

MNWOO continues to host free arsenic water clinics across Minnesota.

USGS provides ongoing geologic outreach about the geology of arsenic.

Freshwater joins the clinics, providing targeted communication and fiscal oversight. Mayo Clinic provides research time, overhead support, and patient outreach.

This pilot could be adapted to be used anywhere arsenic is in drinking water.

We have two sustainability goals:

- Develop local awareness of local aquifers' geologic origins and arsenic levels, the related health risks, and the effective water treatment options.
- Develop durable multi-media resources for primary care providers and well owners in any areas with arsenic health risks.

## Project Manager and Organization Qualifications

**Project Manager Name:** Jeffrey Broberg

**Job Title:** Project Manager (PM)

### **Provide description of the project manager's qualifications to manage the proposed project.**

Jeff Broberg is a Minnesota Licensed Professional Geologist and a founding Director of the Minnesota Well Owners Organization (MNWOO), a 501c3 nonprofit formed in 2018. Jeff has devoted his entire career to the MNWOO Mission of helping to ensure safe drinking water at the kitchen sink of all private well users (PWUS). MNWOO aims to make water quality testing a norm for private well owners and motivate and educate PWUS about their wells, water systems, aquifers, and drinking water risk management.

Jeff helps manage MNWOO programs in cooperation with the Minnesota Groundwater Association (MGWA); MNWOO/MGWA links well owners and community partners at free community well-testing events with geologists, hydrologists, and public health experts. The testing clinics recruit community partners and volunteers. In 2023, the partners held seven clinics from Hackensack to Lake Elmo, and St. Charles, with fifty state-wide collaborators. The clinics provided 1,000 free nitrate and chloride screening results and 290 certified Arsenic tests for PWUS. Water experts at the clinics answered PWU questions and coached them on water testing results, water treatment options, water well operation and maintenance, and source water protection.

Jeff has over three decades of experience as an environmental consultant, risk manager, and project coordinator. Jeff owned a Rochester-Area consulting firm. He was an LCCMR Member who advocated for the County Geologic Atlas and Web Soil Survey. Jeff is experienced in Minnesota geology, hydrology, and complex environmental regulations. He has over 30 years of professional experience as a project manager investigating environmental contaminants' source, transport, and fate in surface water and groundwater.

As a project partner, Freshwater Society (Freshwater) is the fiscal agent and will provide financial oversight and develop focused messaging for arsenic outreach.

**Organization:** Freshwater Society

### **Organization Description:**

Here, project partners include: MNWOO is a 501c3 nonprofit specializing in building partnerships that help ensure safe drinking water at the kitchen sinks of all Minnesota well owners. Starting in 2018 MNWOO has been managing and collaborating with multiple partners to promote safe drinking water and to develop and implement state-wide free water testing clinics for private well users.

Mayo Clinic Health System of Rochester is a world-class medical center offering effective diagnoses and treatment for complex conditions and is Minnesota's largest employer (44,690 employees). Mayo collaborates with patients and



community stakeholders to develop and implement health improvements and disease prevention programs in an extensive network, including clinics in the pilot area.

Freshwater is a St. Paul-based 501c3 non-profit whose mission is to inspire and empower people to value and preserve water. FWS promotes water policies to protect and preserve water, conducts independent research, has engaged over 90,000 volunteers in the Adopt-A-River program since 1989, and developed the ongoing Minnesota Water Stewards program with the help of ENTFF Funding.

The US Geological Survey (USGS) has conducted extensive research linking geology to arsenic in drinking water. USGS is a national authority on arsenic.

## Budget Summary

Category / Name	Subcategory or Type	Description	Purpose	Gen. Ineligible	% Benefits	# FTE	Classified Staff?	\$ Amount
<b>Personnel</b>								
Program coordinator: Freshwater Society		Coordinate and report on project targets, schedules and budgets and compile reimbursement requests and annual project reports.		X	25%	0.9		\$91,000
Communication and Outreach Coordinator: Freshwater Society		Design and develop multi-media outreach targeted to the pilot area			25%	0.95		\$94,000
							<b>Sub Total</b>	<b>\$185,000</b>
<b>Contracts and Services</b>								
5,000 Certified arsenic tests with turnkey sampling, analysis and reporting for Mayo Clinic patients	Sub award	5,000 Arsenic in drinking water analysis with 2 ug/L detection limit				0		\$270,000
3,000 certified laboratory arsenic tests, collected and batched from sixteen MNWOO Clinics	Sub award	3,000 Arsenic Tests for drinking water with 2 ug/L detection limit collected in-person at water clinics.				0		\$69,000
MNWOO Program Coordinator	Professional or Technical Service Contract	Program coordination at the direction of the PM and Steering Committee. Coordinate and execute outreach to Mayo and with MNWOO Water Clinics. Coordinate sampling, data, and outreach.				1.5		\$90,000
MNWOO Program Assistant	Professional or Technical	Working at the direction of the PM, based on advice from the Steering Committee on clinics, programs and outreach				1.25		\$70,000

	Service Contract							
Two project summer Interns	Professional or Technical Service Contract	Working at the direction of the PI and program coordinator on organizing and delivering sixteen spring-summer water clinics. Public outreach, lab sample handling, and data management.				0.5		\$20,000
Announcements and promotion for free arsenic tests at water clinics and from Mayo family medicine in local print, social media, billboards, TV and radio markets, and through Mayo communications.	Professional or Technical Service Contract	MNWOOClinics rely on paid service announcements and advertising to announce and promote water testing clinics between May 1 and October 1 annually.  Media markets in rural Minnesota are important community links, and we seek advertising through public service announcements and at the rates offered to				0		\$8,000
Sixteen MNWOOClinics	Professional or Technical Service Contract	Turnkey production for sixteen water testing clinics: each county/each year/seven-county area between May 1 and October 1 in 2025-2027. MNWOOCovers all of the costs for fourteen clinics at an estimated cost of \$3,000/per clinic: costs cover facilities, organization and logistics, transportation reimbursements, nitrate/chloride testing.				0		\$48,000
USGS Hydrology Consultant - Steering Committee, geologic education and sampling	Professional or Technical Service Contract	The research hydrologist will indicate where citizens are at the highest risk of high arsenic exposure from their well water. She is well-versed in Minnesota water testing and contamination and is a well-published author on the topic. Plan to provide professional consulting to the project.				0.25		\$75,000
Web and Social media consultant	Professional or Technical Service Contract	develop and maintain project web page and social media posts				0		\$12,000
							<b>Sub Total</b>	<b>\$662,000</b>

<b>Equipment, Tools, and Supplies</b>								
							<b>Sub Total</b>	-
<b>Capital Expenditures</b>								
							<b>Sub Total</b>	-
<b>Acquisitions and Stewardship</b>								
							<b>Sub Total</b>	-
<b>Travel In Minnesota</b>								
	Conference Registration Miles/ Meals/ Lodging	Cost for two health and two geology/groundwater conferences for eight project leaders from each collaborating partner.	Public awareness and engagement, earned media exposure	X				\$10,000
	Miles/ Meals/ Lodging	Reimbursement to volunteers at sixteen water clinics. A typical clinic engages 12 to 15 volunteers of whom half are local and the others travel from more than 100 miles. Reimbursements are based on required standards and are expected to range from \$300 to \$600/clinic.	Reimbursement of expenses for volunteers in compliance with current applicable rates.					\$10,000
							<b>Sub Total</b>	<b>\$20,000</b>
<b>Travel Outside Minnesota</b>								
							<b>Sub Total</b>	-
<b>Printing and Publication</b>								
	Printing	Mayo Clinic Media Services Brochure Printing	Project education for physicians in Minnesota and patients at their clinics will be provided via brochures and printed material distributed to all eligible family providers and family medicine clinics within the counties deemed to be most likely to have high levels of arsenic in well water.					\$10,000

	Printing	Public multi-media outreach in eight-county area targeting all rural households in the pilot area.	Arsenic risk awareness for all private well owners					\$50,000
	Publication	Develop, host and refresh web pages and social media platforms	Eight county and Mayo Clinic outreach on program dates/goals/availability					\$15,000
	Publication	Communication production	Print and web materials for targeted audiences, including Mayo Clinic providers and the general public. This includes printing 8,000 MNWOO well portfolios and guidance on well testing, arsenic risks, and geology. Two direct mailings/year to rural households in 8 counties (33,000 households), also web development and support					\$120,000
							<b>Sub Total</b>	<b>\$195,000</b>
<b>Other Expenses</b>								
							<b>Sub Total</b>	-
							<b>Grand Total</b>	<b>\$1,062,000</b>

## Classified Staff or Generally Ineligible Expenses

Category/Name	Subcategory or Type	Description	Justification Ineligible Expense or Classified Staff Request
<b>Personnel -</b> Program coordinator: Freshwater Society		Coordinate and report on project targets, schedules and budgets and compile reimbursement requests and annual project reports.	The project coordination, reimbursement, and reporting by these nonprofit organizations require experience and support in grant administration.
<b>Travel In Minnesota</b>	Conference Registration Miles/Meals/Lodging	Cost for two health and two geology/groundwater conferences for eight project leaders from each collaborating partner.	Professional outreach at Minnesota Conferences, including the Minnesota Water Conference, Minnesota Groundwater Association, Family Medicine, and Public Health conference, is essential to spreading the word beyond the pilot area.

## Non ENRTF Funds

Category	Specific Source	Use	Status	Amount
<b>State</b>				
			<b>State Sub Total</b>	-
<b>Non-State</b>				
In-Kind	Mayo Clinic has authorized a total of 0.2 FT's including: 0.1 FTE for Dr. Jegen, a Family Medicine Physician and researcher with experience with preventable disease from arsenic 0.1 FTE for Dr. Brandon Hidaka, MD, PhD. Family Medicine and Rural Medicine Physician and researcher with experience in educating health care professionals and patients..	Mayo coordination for sampling and outreach with communication support	Pending	\$154,000
In-Kind	MNWOO and MGWA have an ongoing five-year partnership to organize and host free water testing clinics for private well owners who rely on volunteer cooperators. Each clinic requires weeks of planning and coordination, requires volunteer attendance at a training session, and volunteer participation at a five-hour clinic. MNWOO will contribute the time for Jeff Broberg to be the Project Manager at a rate of \$100/hr. The standard clinic operations rely on community volunteers for registration, hospitality, and sample registration. We assume a \$35/hour contribution for volunteer time. It also relies on water professionals at a rate of \$100/hr. The water professionals run analytical equipment, ensure quality control and chain of custody for samples, and individually consult with well owners. The sixteen clinics require a minimum of eight volunteers at each clinic, with a goal of engaging at least 12 volunteers per clinic.	MNWOO partner and volunteer time: Project management, organization, oversight and reporting	Pending	\$145,000
In-Kind	Freshwater Society	Steering committee participants and FWS volunteers at clinics	Pending	\$56,000
Cash	Funding source to be determined.	Funding to cover USGS overhead costs, which are not eligible for reimbursement.	Pending	\$35,000
			<b>Non State Sub Total</b>	<b>\$390,000</b>
			<b>Funds Total</b>	<b>\$390,000</b>

**Total Project Cost: \$1,452,000**

**This amount accurately reflects total project cost?**

Yes



## Attachments

### Required Attachments

#### *Visual Component*

File: [a026177f-ac2.pdf](#)

#### *Alternate Text for Visual Component*

Minnesota's glacial history left arsenic minerals in our aquifers. Half of Minnesota has a high risk of arsenic in drinking water. Geologists, physicians, and well owners will deploy free arsenic testing and health risk assessments to use geology and family medicine to help address preventable diseases....

#### *Financial Capacity*

Title	File
Mayo Clinic Q3 2023 Consolidated Financial Report	<a href="#">6b78ef8b-da6.pdf</a>
Freshwater Society 990 Public Disclosure Copy	<a href="#">ba8bfe8a-132.pdf</a>
Freshwater Society FY2023 Audit	<a href="#">9a0b603a-294.pdf</a>
Freshwater Society_ Secretary of State business filing details	<a href="#">6fa4f2c9-a0d.pdf</a>

#### *Board Resolution or Letter*

Title	File
LCCMR_fiscal-agent-resolution-letter_Enhancing Our Resources-Rural Health and Drinking Water	<a href="#">3534a86b-5c3.pdf</a>
MNWO Board Approval: Enhancing our resources-health and drinking water.	<a href="#">56da6356-10a.pdf</a>

### Supplemental Attachments

#### *Capital Project Questionnaire, Budget Supplements, Support Letter, Photos, Media, Other*

Title	File
Journal Article Indicating Risk of Arsenic Toxicity in Minnesota and Citizen Concern	<a href="#">b761120b-9c4.pdf</a>
Certified Lab-Turnkey Cost Estimate for Testing Kits	<a href="#">ba28229b-62d.pdf</a>
USGS Letter of support	<a href="#">0505dba2-0e5.pdf</a>
Pilot Area well demographics, data and estimates.	<a href="#">e311a3ea-ffc.pdf</a>

### Administrative Use

**Does your project include restoration or acquisition of land rights?**

No

**Does your project have potential for royalties, copyrights, patents, sale of products and assets, or revenue generation?**

No

**Do you understand and acknowledge IP and revenue-return and sharing requirements in 116P.10?**

N/A

**Do you wish to request reinvestment of any revenues into your project instead of returning revenue to the ENRTF?**

N/A

**Does your project include original, hypothesis-driven research?**

Yes

**Does the organization have a fiscal agent for this project?**

Yes, Freshwater Society

**Does your project include the pre-design, design, construction, or renovation of a building, trail, campground, or other fixed capital asset costing \$10,000 or more or large-scale stream or wetland restoration?**

No

**Do you propose using an appropriation from the Environment and Natural Resources Trust Fund to conduct a project that provides children's services (as defined in Minnesota Statutes section 299C.61 Subd.7 as "the provision of care, treatment, education, training, instruction, or recreation to children")?**

No

**Provide the name(s) and organization(s) of additional individuals assisting in the completion of this proposal:**

N/A