



# Environment and Natural Resources Trust Fund

M.L. 2024 Approved Work Plan

## General Information

**ID Number:** 2024-273

**Staff Lead:** Tom Dietrich

**Date this document submitted to LCCMR:** June 10, 2024

**Project Title:** Youth Conservation Empowerment Project

**Project Budget:** \$70,000

## Project Manager Information

**Name:** Nicole Pokorney

**Organization:** U of MN - Extension Center for Youth Development

**Office Telephone:** (507) 259-4648

**Email:** pokorney@umn.edu

**Web Address:** <https://extension.umn.edu/>

## Project Reporting

**Date Work Plan Approved by LCCMR:** June 20, 2024

**Reporting Schedule:** June 1 / December 1 of each year.

**Project Completion:** June 30, 2026

**Final Report Due Date:** August 14, 2026

## Legal Information

**Legal Citation:** M.L. 2024, Chp. 83, Sec. 2, Subd. 05u

**Appropriation Language:** \$70,000 the second year is from the trust fund to the Board of Regents of the University of Minnesota, Extension Center for Youth Development, to partner with Winona and Rochester alternative learning centers to connect, engage, and empower youth from underserved, culturally diverse, and low-income communities in year-long activities focused on nature, outdoors skills, and environmental service-learning.

**Appropriation End Date:** June 30, 2027

## Narrative

**Project Summary:** UMN Extension Center for Youth Development will partner with Winona and Rochester ALCs to engage 40 youth in year-long activities that connect, engage, and empower youth as environmental change-agents.

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

It is estimated that by 2042, the majority of US citizens will be nonwhite. Yet communities of color and lower-income communities in Minnesota frequent parks and trails at a significantly lower rate than white communities and those of higher income, for reasons such as a lack of awareness, time, transportation, desire, or perceived safety (Metropolitan Council 2014, 2016). This is a national trend too. The Nature of Americans study (2017) confirmed that even for those who want more time in nature, minority groups face more barriers, though they could benefit the most. Being in nature is not only beneficial to personal health, but also facilitates understanding of our planet's health, which is crucial to conservation and responsible global citizenship. The younger generations are concerned about the environment, scared of climate change, and eager to help. According to a survey conducted by the United Nations Youth Envoy (2008), 73% of youth indicated they currently feel the effects of climate change, but only 9% were confident the world would act quickly to address it. This project can meet youths' need for agency in environmental stewardship and build a long-lasting and action-based conservation ethic.

**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.**

Our proposal creates an opportunity for youth from underserved, culturally diverse and low-income communities to connect to the people, places, and organizations in their community. Activities proposed for this project would help youth better understand and engage with the natural world in a way that empowers them to be environmental stewards. Building from past programmatic successes, this project would use a model based on the Natural Intelligence in Youth Work framework. The purpose of this framework is to build and nurture pro-environmental behaviors in youth by using a holistic approach that makes them more connected, engaged, and empowered in their relationship with nature.

The youth audience are students from Rochester Alternative and Winona Area Learning Centers (ALCs). 74% of students in Rochester and Winona ALCs qualify for free/reduced lunch, with 65% of Rochester's and 32% of Winona's students being nonwhite. Each year, Whitewater State Park, in partnership with Minnesota 4-H, hosts the Outdoor Exploration Day and invites youth with diverse backgrounds from Rochester and Winona to participate, introducing them to outdoor spaces. This proposed project would continue the momentum created by the event, providing the scaffolding that youth need to eventually become environmental stewards, instead of having the impact of

**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?**

The purpose of the Youth Conservation Empowerment Project is to nurture pro-environmental behaviors in young people so that they feel connected to and engaged with nature, and empowered to take action to conserve and preserve its resources. Our project outcomes include the following:

Youth will strengthen their connection with nature.

Youth will learn skills to build their confidence in being in outdoor spaces.

Youth will enhance their interest and leadership in environmental stewardship.

Youth will gain awareness of career potential in various aspects of environmental sciences.

## Project Location

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

Region(s): SE

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

Region(s): SE

**When will the work impact occur?**

During the Project and In the Future

## Activities and Milestones

### Activity 1: Connection to Nature

**Activity Budget:** \$12,120

**Activity Description:**

Activities are structured using the Natural Intelligence in Youth Work framework of Connection, Engagement, and Empowerment. Youth at Rochester Alternative and Winona Area Learning Centers meet monthly over the school year in Year One of the grant (8 times per year) to engage in activities that help them find their connection to nature. These activities include nature journaling, exploration of local natural spaces such as their school grounds, local parks and other nearby green areas, learning outdoor skills, and discovering potential careers in environmental fields. Youth engage in other lessons and activities utilizing research-based resources such as the Leopold Education Program (LEP) curriculum, which provides activities and learning opportunities to develop land ethics and stewardship. We will also engage the University of Minnesota Bell Museum for natural history activities and guest speakers to gain a deeper understanding about the natural world and youth’s role in it. Youth will also learn basic wilderness skills to build competency and comfort in spending extended time outdoors. These skills will include hiking, canoeing, wilderness first aid, and outdoor cooking. We expect to engage 40 youth total from both schools.

**Activity Milestones:**

Description	Approximate Completion Date
Evaluation to benchmark youth connection to and knowledge of outdoor spaces	September 30, 2024
Monthly programming to gain outdoor competency	May 31, 2025
Establish communication and relationships with families of the youth participants	May 31, 2025
Annual end of school evaluation of youth connection to and knowledge of outdoor spaces	June 30, 2025

### Activity 2: Nature Engagement Activities

**Activity Budget:** \$49,880

**Activity Description:**

4-H will partner with Camp Fire Minnesota Bluewater Lodge to take youth on a 3-night immersive canoe trip and outdoor experience in the Chain of Lakes and Chippewa National Forest in June of each year. A guided experience in nature, steeped in transformation learning theory that provides challenge and a chance to break away from normal daily routines, will encourage youth to more fully engage and develop a personal relationship with nature. In Year One, we expect to engage 40 youth total from both schools, as well as in Year Two.

**Activity Milestones:**

Description	Approximate Completion Date
One day trip preparation with youth to prepare for overnight experience (learn outdoor skills)	May 31, 2025
Overnight outdoor experience at Camp Fire Minnesota Bluewater Lodge and Canoeing	June 30, 2025
One day trip preparation with youth to prepare for overnight experience (learn outdoor skills)	May 31, 2026
Post-trip follow-up and evaluation one week after the trip to talk through the experience	June 30, 2026
Overnight outdoor experience at Camp Fire Minnesota Bluewater Lodge and Canoeing	June 30, 2026

### Activity 3: Nature Empowerment Activities

**Activity Budget:** \$8,000

**Activity Description:**

As young people deepen and are bolstered by their connection with nature, they will build in their response to environmental stewardship through service learning so they feel empowered as change agents. In the second year, youth will participate in the Outdoorist Oath Workshop and develop Citizen Science/Conservation service learning projects for their local area. Youth will write proposals for their project to be able to spend up to \$200 on the supplies and other items they need to conduct their projects. These projects will teach and equip young people to address community needs, plan and implement change-making projects, and acquire skills such as grant writing and teamwork that they can use to apply for other funding after this grant ends. We expect 40 youth total from both schools to participate in this activity. We expect to engage 40 youth total from both schools.

**Activity Milestones:**

Description	Approximate Completion Date
Monthly programming to learn conservation project planning, grant writing, complete projects.	May 31, 2026
Throughout the grant, equip school staff to sustain programming and outdoor learning experiences after grant.	May 31, 2026
Final evaluation (including essay type questions to unearth nuances) and reporting	May 31, 2026
Final evaluation results will be compiled, analyzed, and shared with stakeholders and funder.	June 30, 2026

## Project Partners and Collaborators

Name	Organization	Role	Receiving Funds
Holly Menniger	University of Minnesota Bell Museum	Provide educational resources, field specimens, and guest speakers for the program during monthly Connection Activities (activity 1).	No
Sara Holger	Project Get Outdoors/Park Rx	Provide nature- based research and resources for developing connection to nature during monthly Connection Activities (activity 1) and in support of Youth Conservation Projects (activity 3).	No
Regina Pencille	Rochester Public Schools - Alternative Learning Center	Provide learning spaces, access to young people, sustain the program, and provide liability.	No
Jolene Danska	Winona Public Schools - Area Learning Center	Provide learning spaces, access to young people, sustain the program, and provide liability.	No
Becca Fink	Camp Fire Minnesota	Provide outdoor experience through canoeing and outdoor immersion trips (activity 2).	Yes
Ami Choi	U of M Tourism Center	Benchmark youth knowledge of nature at the very beginning and access their knowledge again at the end of activity so there can be before and after comparison.	Yes

## Dissemination

**Describe your plans for dissemination, presentation, documentation, or sharing of data, results, samples, physical collections, and other products and how they will follow ENRTF Acknowledgement Requirements and Guidelines.**

Evaluation results will inform design of future programming and continued youth involvement in conservation. Evaluation activities are designed specifically to evaluate, assure, and improve performance of the program. Aggregated results from program implementation and evaluation will be made into a variety of formats, e.g., infographics, visual slide decks, etc. These pieces will be shared with outdoor education and conservation organizations, to inform and facilitate program replication efforts and eventually to scale up the program, contributing to program longevity. The Environmental and Natural Resources Trust Fund will be publicized to the schools and families as funder of this program in attribution language through printed and electronic notifications, as well as the logo co-branded on all program handouts and curriculum.

## 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?**

4-H clubs will be established at Rochester and Winona ALCs through program agreements to continue the partnership. In this way, the local 4-H programs can allot a portion of funds, along with the schools, after the grant period. 4-H staff will allocate time to assist with program delivery and equip school staff to continue programming. Youth participants will become MN 4-H members and will receive all the benefits afforded through membership. Our partners are deeply invested in the project and poised to help. Evaluation results will inform design of future programming and continued youth involvement in conservation.

## Budget Summary

Category / Name	Subcategory or Type	Description	Purpose	Gen. Ineligible	% Benefits	# FTE	Classified Staff?	\$ Amount
<b>Personnel</b>								
Nicole Pokorney (UMN Extension Center for Youth Development)		Project Director to manage the project, communicate with partners and funders, train volunteers, and assist evaluator.			36.8%	0.1		\$9,892
Ami Choi (UMN Tourism Center)		Evaluator to design and conduct evaluation and reporting. Salary and fringe for 2 years at .0375 FTE. Salary takes into account 1.025% pay raise at the start of each new fiscal year July 1.			38.8%	0.08		\$8,367
							<b>Sub Total</b>	<b>\$18,259</b>
<b>Contracts and Services</b>								
Camp Fire Minnesota	Sub award	Provided lodging, food, canoes, and canoe guides. \$450 x 40 youth x 2 years. Part of Activity 2, Engagement activities. 40 youth to attend an immersive 3-night outdoor and canoe trip on Chain of Lakes and Chippewa National Forest.				0.2		\$36,000
							<b>Sub Total</b>	<b>\$36,000</b>
<b>Equipment, Tools, and Supplies</b>								
	Tools and Supplies	General program supplies, such as nature journals, art supplies, buckets, nets, ID guides, etc. for 40 youth. \$1500 year 1, \$750 year 2.	Part of Activity 1 Connection to Nature activities to enable youth to learn about the natural spaces around them and build a connection.					\$2,250
	Tools and Supplies	Camping gear such as sleeping bags, dry sacks, mosquito nets, extra clothing (e.g., socks, shoes). \$1750 for year 1; \$0 for year 2.	For Activity 2 Engagement activities. Low-income youth often do not have access to their own gear. Funds will help supplement existing supplies to provide for those youth who need it.					\$1,750
							<b>Sub Total</b>	<b>\$4,000</b>

<b>Capital Expenditures</b>								
							<b>Sub Total</b>	-
<b>Acquisitions and Stewardship</b>								
							<b>Sub Total</b>	-
<b>Travel In Minnesota</b>								
	Other	Bus transportation for 40 youth plus adult chaperones to and from Rochester and Winona to Bluewater Lodge. \$1500 each year.	Part of Activity 2, Engagement activities. 40 youth to attend an immersive 3-night outdoor and canoe trip on Chain of Lakes and Chippewa National Forest.					\$3,000
							<b>Sub Total</b>	<b>\$3,000</b>
<b>Travel Outside Minnesota</b>								
							<b>Sub Total</b>	-
<b>Printing and Publication</b>								
	Printing	Printing of curricular materials such as handouts, as well as communication with families such as letters, flyers, and permission forms. \$500 year 1; \$241 year 2.	To conduct Activity 1 and communicate with families.					\$741
							<b>Sub Total</b>	<b>\$741</b>
<b>Other Expenses</b>								
		Youth Conservation Projects. Youth pair up to write proposals and be able to spend up to \$200 on supplies and other items they need to conduct their conservation/citizen science action projects. \$200 x 20 projects x 2 years.	Part of Activity 3 Empowerment activities. Youth learn about grant-writing so that after the conclusion of this grant, they will have the skills to be able to receive money for similar conservation projects.					\$8,000
							<b>Sub Total</b>	<b>\$8,000</b>



							<b>Grand Total</b>	<b>\$70,000</b>
--	--	--	--	--	--	--	------------------------	-----------------

Classified Staff or Generally Ineligible Expenses

Category/Name	Subcategory or Type	Description	Justification Ineligible Expense or Classified Staff Request
---------------	---------------------	-------------	--

## Non ENRTF Funds

Category	Specific Source	Use	Status	\$ Amount
<b>State</b>				
			<b>State Sub Total</b>	-
<b>Non-State</b>				
			<b>Non State Sub Total</b>	-
			<b>Funds Total</b>	-

## Attachments

### Required Attachments

#### *Visual Component*

File: [82113100-0d5.pdf](#)

#### *Alternate Text for Visual Component*

Youth strengthen CONNECTION with nature and build career awareness through monthly club meetings by exploring local outdoors, learning natural history and conservation, and deepening understanding. ENGAGE with nature to learn skills and build confidence through immersive outdoor trips. EMPOWER youth to build leadership in environmental stewardship through conservation projects....

### Supplemental Attachments

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

Title	File
SPA Authorization letter	<a href="#">9de5a09d-1b0.pdf</a>

## Difference between Proposal and Work Plan

#### *Describe changes from Proposal to Work Plan Stage*

Additional two milestones were added to Activity 2: Engagement Activities to fulfill the recommendation of providing 3-5 milestones. Also added was the description of our plans for dissemination, presentation, documentation, or sharing of data, results, samples, physical collections, and other products. 5/13/24 - added and updated staff names for partner organizations due to staff transitions.

## Additional Acknowledgements and Conditions:

The following are acknowledgements and conditions beyond those already included in the above workplan:

**Do you understand and acknowledge the ENRTF repayment requirements if the use of capital equipment changes?**

N/A

**Do you agree travel expenses must follow the "Commissioner's Plan" promulgated by the Commissioner of Management of Budget or, for University of Minnesota projects, the University of Minnesota plan?**

Yes, I agree to the Commissioner's Plan.

**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?**

No

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

No

**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")?**

Yes

**Do you certify that background checks are performed for background check crimes, as defined in Minnesota Statutes, section 299C.61, Subd. 2, on all employees, contractors, and volunteers who have or may have access to a child to whom children's services are provided by your organization?**

Yes