



Environment and Natural Resources Trust Fund (ENRTF)

M.L. 2020 ENRTF Work Plan (Main Document)

Today's Date: 2-10-20

Date of Next Status Update Report: April 1, 2021

Date of Work Plan Approval:

Project Completion Date: June 30, 2023

Does this submission include an amendment request? No

PROJECT TITLE: Pollinator & Beneficial Insect Strategic Habitat Program

Project Manager: Dan Shaw

Organization: Minnesota Board of Water and Soil Resources

College, Department, or Division: Resource Conservation Section

Mailing Address: 520 Lafayette Rd. N.

City, State, Zip Code: St. Paul, MN 55155

Project Manager Direct Telephone Number: 612-236-6291

Email Address: dan.shaw@state.mn.us

Web Address: <https://bwsr.state.mn.us/>

Location: Statewide

Total Project Budget: \$750,000

Amount Spent: \$0

Balance: \$0

Legal Citation: M.L. 2020, Chp. xx, Sec. xx, Subd. xx

Appropriation Language:

PROJECT STATEMENT:

Dramatic declines of bees, butterflies, dragonflies and other beneficial insects that support our ecosystems and food systems have been raising significant alarm amongst scientists and conservation professionals both locally and globally. The *Pollinator and Beneficial Insect Strategic Habitat Program* proposed here will build a new BWSR initiative to restore and enhance approximately 1000 acres of diverse native habitat over 90 projects strategically located across Minnesota. Project placement and seed mix design will be tailored to address the habitat needs of a wide diversity of insects, including at-risk species. This program will align with the Governor's new pollinator executive order (EO 19-28), address several habitat goals and recommendations of the Governor's Committee on Pollinator Protection (including GCPP recommendations 1.1 and 1.2), and help attain goals of the Interagency Pollinator Protection Team.

Program and Project Types: Funding through this new initiative will be distributed through BWSR's Cost-share process and a competitive grant RFP. Eligible projects will include public lands or private lands with a public investment, including existing RIM easements, CRP, city parks, county parks, and protected natural areas. Projects will focus on:

- 1) establishing new floral rich plots or riparian plantings 0.5 to 5 acres in size and/or
- 2) enhancing prairie, savanna, wetland, and shoreline communities that provide high value habitat. Projects will be planned to benefit a variety of beneficial insects in need of habitat improvements, including at-risk species (e.g., rusty-patched bumblebees), and other declining insect guilds (e.g., dragonflies, native bees, butterflies).

Project Selection/ranking: Project areas will be selected based on The Minnesota Prairie Conservation Plan, Minnesota's Wildlife Action Plan, pollinator habitat mapping, and range maps of at-risk species. Within these areas, sites will be selected based on size, protection from pesticide drift, proximity to other permanently protected habitat and riparian areas, and likelihood of project success. Regional ranking criteria/assessment forms will be developed, and technical experts around the state will assist with the ranking of projects, aligning funding with conservation programs, identifying matching funds, and working with landowners.

Standards: New pollinator-beneficial Insect conservation plans will be developed to establish diverse, local ecotype vegetation that benefits priority insect species and protects and restores natural plant communities.

Outreach: Three regional pollinator habitat workshops with Xerces Society and local conservation partners will be held and new pollinator-beneficial technical information will be added to BWSR's Pollinator Toolbox. "Success Information" will be requested from practitioners working with the funding and this information along with featured case studies will be added to BWSR's "What's Working" webpage.

II. OVERALL PROJECT STATUS UPDATES:

First Update April 1, 2021

Second Update October 1, 2021

Third Update April 1, 2022

Fourth Update October 1, 2022

Fifth Update April 1, 2023

Final Report between project end (June 30) and August 15, 2023

III. PROJECT ACTIVITIES AND OUTCOMES:

ACTIVITY 1 Title: Strategic Program Planning and Education

Description: Develop project ranking criteria and pollinator-beneficial insect conservation plan templates, conduct three regional pollinator workshops.

ACTIVITY 1 ENRTF BUDGET: \$54,000

Outcome	Completion Date
1. Assemble an advisory team from DNR, TNC, SWCDs, USFWS, Xerces Society, Pheasants Forever, and other conservation partners to guide program development, combine available habitat maps, and develop regional project ranking criteria.	<i>October 2020</i>
2. Collaborate with Xerces Society to develop two pollinator – beneficial insect conservation plan templates, one for new habitat installations, and one for enhancement/management of existing habitat, based on Xerces’ existing habitat guidance.	<i>January 2021</i>
3. Collaborate with Xerces Society on three regional pollinator workshops to present program requirements, best practices and new conservation plan templates.	December 2021
4.. Release a competitive RFP (request for proposal) for habitat projects followed by grant ranking by advisory team and awarding of grants	April 2021

First Update April 1, 2021

Second Update October 1, 2021

Third Update April 1, 2022

Fourth Update October 1, 2022

Fifth Update April 1, 2023

Final Report between project end (June 30) and August 15, 2023

ACTIVITY 2 Title: Pollinator Habitat Project Planning and Restoration

Description: Restore and enhance approximately 1000 acres across 90 sites on conservation lands.

ACTIVITY 2 ENRTF BUDGET: \$695,500

Outcome	Completion Date
1. SWCDs or their designees develop pollinator-beneficial insect conservation plans/conservation plan updates for awarded projects on protected lands.	December 2021
2. Conduct site preparation, planting and management of projects with the goal of establishing and maintaining high diversity plantings.	April 2022- January 2023

First Update April 1, 2021

Second Update October 1, 2021

Third Update April 1, 2022

Fourth Update October 1, 2022

Fifth Update April 1, 2023

Final Report between project end (June 30) and August 15, 2023

ACTIVITY 3 Title: Program Assessment, Signage and What’s Working Outreach

Description: Assess disseminate results, findings, and best practices.

ACTIVITY 3 ENRTF BUDGET: \$1,500

Outcome	Completion Date
1. Assemble the advisory team to discuss results of project assessments, successes of the program, areas of improvement, and next steps to continue refining the grant program and pursuing additional funding sources.	April 2023
2. Add ENRTF signage at all project sites	June 2023
3. Document successful planning, design, installation and management strategies and case studies on BWSR’s “What’s Working” webpage.	June 2023

First Update April 1, 2021

Second Update October 1, 2021

Third Update April 1, 2022

Fourth Update October 1, 2022

Fifth Update April 1, 2023

Final Report between project end (June 30) and August 15, 2023

IV. DISSEMINATION:

Description:

The Minnesota Environment and Natural Resources Trust Fund (ENRTF) will be acknowledged through use of the trust fund logo or attribution language on project print and electronic media, publications, signage, and other communications per the [ENRTF Acknowledgement Guidelines](#).

First Update April 1, 2021

Second Update October 1, 2021

Third Update April 1, 2022

Fourth Update October 1, 2022

Fifth Update April 1, 2023

Final Report between project end (June 30) and August 15, 2023

V. ADDITIONAL BUDGET INFORMATION:

A. Personnel and Capital Expenditures

Explanation of Capital Expenditures Greater Than \$5,000: None

Explanation of Use of Classified Staff: BWSR’s Grant Coordinator will be involved in the project to coordinate grants to SWCDs. This funding is direct and necessary for grant administration and supplements the work that BWSR is currently doing.

Total Number of Full-time Equivalents (FTE) Directly Funded with this ENRTF Appropriation:

Enter Total Estimated Personnel Hours for entire duration of project: 811	Divide total personnel hours by 2,080 hours in 1 yr = TOTAL FTE:13%
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Total Number of Full-time Equivalents (FTE) Estimated to Be Funded through Contracts with this ENRTF Appropriation:

Enter Total Estimated Contract Personnel Hours for entire duration of project: 420	Divide total contract hours by 2,080 hours in 1 yr = TOTAL FTE: 7%
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VI. PROJECT PARTNERS:

- A. Partners outside of project manager’s organization receiving ENRTF funding
Xerces Society
- B. Partners outside of project manager’s organization NOT receiving ENRTF funding
Minnesota Association of Soil and Water Conservation Districts

VII. LONG-TERM- IMPLEMENTATION AND FUNDING:

This proposal enhances existing investments in long-term conservation as part of a solution to the decline of at-risk specie and other important insects. The project will develop and implement plants that will guide the long-term management and monitoring of protected lands. Once the new BWSR program is established BWSR will pursue other funding sources for the program such as federal grants and foundation funding.

VIII. REPORTING REQUIREMENTS:

- Project status update reports will be submitted April 1 and October 1 each year of the project
- A final report and associated products will be submitted between June 30 and August 15, 2023

IX. SEE ADDITIONAL WORK PLAN COMPONENTS:

- A. Budget Spreadsheet
- B. Visual Component or Map
- C. Parcel List Spreadsheet
- D. Acquisition, Easements, and Restoration Requirements
- E. Research Addendum

Attachment A: Project Budget Spreadsheet
Environment and Natural Resources Trust Fund
M.L. 2020 Budget Spreadsheet



Legal Citation:

Project Manager: Dan Shaw, Senior Ecologist

Project Title: Pollinator & Beneficial Insect Strategic Habitat Program

Organization: Minnesota Board of Water and Soil Resources

Project Budget: \$750,000

Project Length and Completion Date: 3 years, June 30, 2023

Today's Date: February 10, 2020

ENVIRONMENT AND NATURAL RESOURCES TRUST FUND BUDGET		Budget	Amount Spent	Balance
BUDGET ITEM				
Personnel (Wages and Benefits) BWSR Grant Coordinator, \$11,000 (78% Salary 22%Benefits) 13%FTE for three years. This funding is direct and necessary for grant administration and supplements the work that BWSR is currently conducting.		\$ 33,000	\$ -	\$ 33,000
Professional/Technical/Service Contracts: Xerces Society assistance developing program ranking criteria, co-presenting at four regional pollinator workshops, and development of two pollinator-beneficial insect conservation plan templates, one for new habitat installations, and one for enhancement/management of existing habitat.		\$ 21,000		\$ 21,000
Project funding will go to SWCDs through a competitive RFP process to work on an estimated 1000 acres over approximately 100 projects including existing RIM easements, CRP, city and county parks and other high value protected landscapes such as shoreline plant communities.		\$ 694,500	\$ -	\$ 694,500
Equipment/Tools/Supplies				
ENRTF signage for each project including a sign and post.		\$ 1,500	\$ -	\$ 1,500
Capital Expenditures Over \$5,000				
		\$ -	\$ -	\$ -
Fee Title Acquisition				
		\$ -	\$ -	\$ -
Easement Acquisition				
		\$ -	\$ -	\$ -
Professional Services for Acquisition				
		\$ -	\$ -	\$ -
Printing				
		\$ -	\$ -	\$ -
Travel expenses in Minnesota				
		\$ -	\$ -	\$ -
Other				
		\$ -	\$ -	\$ -
COLUMN TOTAL		\$ 750,000	\$ -	\$ 750,000
SOURCE AND USE OF OTHER FUNDS CONTRIBUTED TO THE PROJECT				
	Status (secured or pending)	Budget	Spent	Balance
Non-State: Minimum 25% cost-share requirement for public projects and 10% for private landowners	Pending	\$ 108,000	\$ -	\$ 108,000
State:		\$ -	\$ -	\$ -
In kind: Xerces Society Outreach (\$1,000), Minnesota BWSR Senior Ecologist (8% FTE) of time over three years (\$32,400)	Secured	\$ 33,400	\$ -	\$ 33,400
Other ENRTF APPROPRIATIONS AWARDED IN THE LAST SIX YEARS				
	Amount legally obligated but not yet spent	Budget	Spent	Balance
No related applications		\$ -	\$ -	\$ -

Attachment C: Template

Environment and Natural Resources Trust Fund

M.L. 2020 Budget

Spreadsheet

Legal Citation:

Project Manager: Dan Shaw, Senior Ecologist

Project Title: Pollinator & Beneficial Insect Strategic Habitat Program

Organization: Minnesota Board of Water and Soil Resources

Project Budget: \$750,000

Project Length and Completion Date: 3 years, June 30, 2023

Today's Date: August 23, 2019



Instructions: Please include on the following list all targeted parcels that you are currently considering for acquisition (fee title or easement) or restoration (all phases) using the appropriation. The list may include more parcels than you will ultimately acquire or conduct restoration work on with the funds. To be eligible as part of your project, however, a parcel must be included on the list. Changes may be requested through the amendment process. Please update the status column and submit with your periodic workplan updates. Include any significant issues related to any particular parcel in your activity and project status sections of your Main Workplan Document.

#	Acquisition or Restoration Parcel Name	Geographic Coordinates (preferably from the center of the parcel) Format: [Deg.]° [Min.]' [Sec.]" [Hemis.]		Estimated Cost	Estimated Annual PILT Liabilities	County	Site Significance (please include what ecosystem (e.g., prairie, forest, wetland, savanna) is represented as well as the ecological significance, site importance, conservation value, and public benefits)	Activity Description (e.g. fee title acquisition, conservation easement acquisition, site preparation, restoration)	# of Acres	# of Shoreline Miles	Type of Landowner (private individual or trust, non-profit organization, for-profit entity)	Proposed Fee Title or Easement Holder (if applicable)	Status of work (e.g. engaged in landowner negotiations, no longer in consideration, restoration activities underway)
		Latitude	Longitude										
1													
2													
3													
4													
5													
6													
7													
8													
9													
10													

NOTES: Parcels will be added once funds are awarded to SWCDs

