Lessard-Sams Outdoor Heritage Council

Southeast Minnesota Protection and Restoration Phase 8

Laws of Minnesota 2020 Accomplishment Plan

General Information

Date: 07/31/2024

Project Title: Southeast Minnesota Protection and Restoration Phase 8

Funds Recommended: $2,704,000

Legislative Citation: ML 2020, Ch. 104, Art. 1, Sec. 2, subd 3(b)

Appropriation Language: $2,704,000 the second year is to the commissioner of natural resources for agreements as follows: (1) $1,144,000 to The Nature Conservancy to acquire lands in fee for wildlife management under Minnesota Statutes, section 86A.05, subdivision 8; for scientific and natural areas under Minnesota Statutes, section 86A.05, subdivision 5; for state forests under Minnesota Statutes, section 86A.05, subdivision 7; and for aquatic management areas under Minnesota Statutes, section 86A.05, subdivision 14, and to restore and enhance wildlife habitat; (2) $797,000 to The Trust for Public Land to acquire lands in fee for wildlife management under Minnesota Statutes, section 86A.05, subdivision 8; for scientific and natural areas under Minnesota Statutes, section 86A.05, subdivision 5; for state forests under Minnesota Statutes, section 86A.05, subdivision 7; and for aquatic management areas under Minnesota Statutes, section 86A.05, subdivision 14; and (3) $763,000 to Minnesota Land Trust to acquire permanent conservation easements and to restore and enhance wildlife habitat, of which $96,000 is to establish a monitoring and enforcement fund as approved in the accomplishment plan and subject to Minnesota Statutes, section 97A.056, subdivision 17. A list of proposed land acquisitions must be provided as part of the required accomplishment plan.

Manager Information

Manager's Name: David Ruff
Title: Conservation Program Manager
Organization: The Nature Conservancy
Address: 412 High Forest St
City: Winona, MN 55987
Email: david.ruff@tnc.org
Office Number:
Mobile Number: 507-261-4954
Fax Number:
Website: nature.org/

Location Information

County Location(s): Wabasha, Houston, Fillmore, Winona, Olmsted, Dodge and Goodhue.

Eco regions in which work will take place:

- Southeast Forest

Activity types:

- Protect in Easement
- Protect in Fee
- Restore
- Enhance

Priority resources addressed by activity:

- Prairie
- Forest
- Habitat

Narrative

Abstract

This project will protect approximately 660 acres using conservation easement and fee land acquisition and restore and enhance approximately 75 acres of declining habitat for important wildlife species. Actions will occur in strategically targeted areas of biodiversity significance within the Blufflands of Southeast Minnesota, resulting in increased public access and improved wildlife habitat.

Design and Scope of Work

The Nature Conservancy (TNC), Minnesota Land Trust (MLT) and The Trust for Public Land (TPL), in partnership, will use Outdoor Heritage Funds to invest in habitat protection and restoration within the Blufflands of Southeast Minnesota. We will expand and connect larger contiguous blocks of protected lands, allowing land managers to restore, enhance and maintain high-quality habitats at a scale difficult to accomplish with fragmented ownership. Benefits of this program include the increased effectiveness of frequent prescribed fire necessary to reclaim "goat prairies" and oak savanna, and regenerate oak hardwood forests at a larger scale. Protecting and managing these lands is not only important for ecological reasons, but also benefits public use and enjoyment of these lands and the resources they provide. This proposal will enhance prior conservation investments and ensure that the legacy of the Blufflands is preserved in a high quality condition for future generations.

There are 86 different native plant community types mapped by the Minnesota Biological Survey (MBS), covering nearly 149,670 acres within the project area. There are 183 species of state listed rare plants and animals, many of which are concentrated on 749 sites of biodiversity significance. This program has a proven track record of protecting, restoring and enhancing lands that meet both state and local priorities for biodiversity, land access and watershed health.

In addition, despite the area's high demand for outdoor recreation and having more Species in Greatest Conservation Need than anywhere else in the state, only 5% of the region is open to the public.

Conservation Easements:

MLT will acquire approximately 324 acres of conservation easements and develop restoration and habitat management plans for eased lands. MLT will identify potential projects within targeted priority areas through a RFP process coupled with local outreach via SWCD offices. This competitive landowner bid process will rank projects based on ecological value and cost, prioritizing the best projects and securing them at the lowest cost to the state.

Fee Acquisition:

TNC and TPL will coordinate with MN DNR on all potential fee-title acquisitions. TNC and TPL will assist the participating DNR Divisions by conducting all or some of the following activities: initial site reviews, negotiations with the willing seller, appraisals, environmental reviews and acquisition of fee title. TNC and TPL will transfer lands to the DNR except when TNC ownership is appropriate. Fee acquisition of approximately 186 acres of forest and 150 acres of prairie and other grassland along .5 miles of coldwater trout stream is planned.

Restoration and Enhancement:

TNC will restore/enhance approximately 35 acres of bluff prairie, floodplain, riparian habitat and forest. MLT will restore 40 acres of habitat on existing and new easements. Ecological restoration enhancement management plans will be developed in coordination with the appropriate DNR staff, landowners and/or hired subcontractors.

Results to date:

Conservation Easements: 2,435 acres

Fee Land Acquisition: 4,275 acres

27 miles of stream protected

Restoration and Enhancement: 983 acres

How does the plan address habitats that have significant value for wildlife species of greatest conservation need, and/or threatened or endangered species, and list targeted species?

Most of the projects selected for this proposal are located in complexes of biodiversity significance, as identified by MBS. Many are also in close proximity to current state land. Buidling and expanding contiguous blocks of habitat protects habitat continuity in a fragmented landscape.

Sedimentation and erosion are major threats to fish in the region. Protecting and enhancing upland natural communities, especially on the steep bluffs that flank most trout streams, will help prevent additional erosion. Aquatic habitat also benefits from protection of trout stream banks and floodplains. The water quality benefit that comes with the protection of forested upland areas is significant and contributes to improved trout and non-game fish and mussel habitat.

Proposed projects contain 100 occurrences of Species in Greatest Conservation Need (SGCN) identified by the Natural Heritage Inventory, including 57 different species/communities/assemblages. Completed projects include a total of 158 occurrences representing 71 different species/communities/assemblages. Specific habitats include bluff prairie, oak savanna, barrens prairie, oak-hickory woodland, jack pine-oak woodland, white pine - oak/maple forest and maple basswood hardwood forest. These habitats support species including: tri-colored and northern long-eared bats, timber rattlesnake, Blanding's turtle, western foxsnake, North American racer, American ginseng, great Indian plantain, plains wild indigo and red-shouldered hawk.

Describe how the plan uses science-based targeting that leverages or expands corridors and complexes, reduces fragmentation or protects areas identified in the MN County Biological Survey:

Southeast MN benefits from a wealth of conservation planning and biological indices and analyses. Our partnership uses existing plans, like the watershed-based Landscape Stewardship Plans and DNR's Wildlife Action Network to identify priority areas to focus our efforts and resources. Individual projects are assessed based on their significance to biodiversity (according to data from the MN Biological Survey), along with several other important criteria such as:

- location within a priority area

- health and extent of existing natural communities

- areas of significant biodiversity and native plant communities

- proximity to existing conservation lands

- parcel size

- importance for stream quality

- risk of conversion

Which two sections of the Minnesota Statewide Conservation and Preservation Plan are most applicable to this project?

- H1 Protect priority land habitats
- H3 Improve connectivity and access to recreation

Which two other plans are addressed in this program?

- Minnesota's Wildlife Action Plan 2015-2025
- Outdoor Heritage Fund: A 25 Year Framework

Which LSOHC section priorities are addressed in this program?

Southeast Forest

- Protect forest habitat though acquisition in fee or easement to prevent parcelization and fragmentation and to provide the ability to access and manage landlocked public properties

Outcomes

Programs in southeast forest region:

- Large corridors and complexes of biologically diverse wildlife habitat typical of the unglaciated region are restored and protected ~ *We will track the acres of priority parcels protected within the Conservation Opportunity Areas (COA) identified as priorities in regional planning. Success within each COA will be determined based on the percentage of area protected, restored and/or enhanced.*

Does this program include leveraged funding?

Yes

Explain the leverage:

US Fish and Wildlife Service (USFWS) State Wildlife Grant funds are used by TNC to enhance oak savanna and bluff prairie on private lands within priority complexes where this project operates. TNC will use US Forest Service funds to work with private landowners adjacent to public ownership to conduct prescribed fire across ownership boundaries, increasing the scale and efficiency of management.

The Minnesota Land Trust encourages landowners to fully or partially donate the value of conservation easements as part of its landowner bid protocol. An estimated leverage of $65,000 of donated value from landowners from easement acquisition is a conservative estimate.

Partners are also leveraging private funds to cover a portion of travel and direct support services cost totaling $87,100.

Per MS 97A.056, Subd. 24, Please explain whether the request is supplanting or is a substitution for any previous funding that was not from a legacy fund and was used for the same purpose.

This proposal does not substitute or supplant previous funding that was not from a Legacy fund.

Non-OHF Appropriations

Year	Source	Amount
2013	The Nature Conservancy	$67,661
2014	The Nature Conservancy	$2,173,459

2015	The Nature Conservancy	$14,200
2016	The Trust for Public Land	$250,000
2016	The Nature Conservancy	$18,110
2017	The Nature Conservancy	$1,716

How will you sustain and/or maintain this work after the Outdoor Heritage Funds are expended?

Tracts acquired will be transferred to the state for ongoing management except when TNC ownership is appropriate. Acquisition projects will be near or adjacent to existing protected lands, including state-owned lands and lands under conservation easement, allowing for the expansion of management activities that are already taking place. Habitats cleared of invasive species will be maintained with prescribed fire and other practices depending on funding. Protection and restoration projects will improve future prescribed fire and maintenance activities through economies of scale. The tracts protected and enhanced as part of this proposal also meet the prioritization for Minnesota's Wildlife Action Plan. MN DNR has been successful in securing federal habitat enhancement funding.

Land protected through conservation easements will be sustained by MLT through a state-of-the art easement stewardship standards and practices. MLT is a nationally-accredited and insured land trust with a successful easement stewardship program that includes annual property monitoring and defending the easements as necessary. In addition, MLT encourages landowners to undertake active ecological management of their properties, provides them with habitat management plans and works with them to secure resources (expertise and funding) to undertake these activities over time.

Actions to Maintain Project Outcomes

Year	Source of Funds	Step 1	Step 2	Step 3
Every 4-6 years	US Fish and Wildlife Service	prescribed fire	-	-
Every 4-6 years	Game and Fish Fund	prescribed fire	-	-
2022 and perpetually	MLT Easement Stewardship and Enforcement Fund	Annual monitoring in perpetuity	Enforcement as necessary	-

Activity Details

Requirements

If funded, this program will meet all applicable criteria set forth in MS 97A.056?
Yes

Will county board or other local government approval be formally sought prior to acquisition, per 97A.056 subd 13(j)?**
No

Describe any measures to inform local governments of land acquisition under their jurisdiction:
We will follow the county/township board notification processes as directed by current statutory language.

Is the land you plan to acquire (fee title) free of any other permanent protection?
No

Describe the permanent protection and justification for additional protection:
A proposed fee land acquisition project has a trout stream angling access easement on it that was

considered in the appraisal. One large fee land acquisition project has a RIM easement on a portion of it that was considered in the appraisal. We will follow guidance established by the Outdoor Heritage Fund to proceed.

Is the land you plan to acquire (easement) free of any other permanent protection?
Yes

Who will manage the easement?
Minnesota Land Trust

Who will be the easement holder?
Minnesota Land Trust

What is the anticipated number of easements (range is fine) you plan to accomplish with this appropriation?
MLT will complete 2-4 easements depending on size and cost.

Will restoration and enhancement work follow best management practices including MS 84.973 Pollinator Habitat Program?
Yes

Is the restoration and enhancement activity on permanently protected land per 97A.056, Subd 13(f), tribal lands, and/or public waters per MS 103G.005, Subd. 15 or on lands to be acquired in this program?
Yes

Where does the activity take place?

- WMA
- SNA
- AMA
- Permanently Protected Conservation Easements
- County/Municipal
- Public Waters
- State Forests
- Other : OHF Acquired TNC Preserve

Land Use

Will there be planting of any crop on OHF land purchased or restored in this program, either by the proposer or the end owner of the property, outside of the initial restoration of the land?
Yes

Explain what will be planted and include the maximum percentage of any acquired parcel that would be planted into foodplots by the proposer or the end owner of the property:
Short-term use of agricultural crops is an accepted best practice for preparing a site for prairie restoration. For example, short-term use of soybeans could be used for restorations in order to control weed seedbeds prior to prairie planting. In some cases this necessitates the use of GMO treated products to facilitate herbicide use in order to control weeds present in the seedbank, however neonicotinoids will not be used.

MLT - The purpose of the Minnesota Land Trust's conservation easements is to protect existing high quality natural habitat and to preserve opportunities for future restoration. As such, we restrict any agricultural

lands and use on the properties. In cases in which there are agricultural lands associated with the larger property, we will either carve the agricultural area out of the conservation easement, or in some limited cases, we may include a small percentage of agricultural lands if it is not feasible to carve those areas out. In such cases, however, we will not use OHF funds to pay the landowners for that portion of the conservation easement.

Are any of the crop types planted GMO treated?
True

Is this land currently open for hunting and fishing?
No

Will the land be open for hunting and fishing after completion?
Yes

Describe any variation from the State of Minnesota regulations:
None

Who will eventually own the fee title land?

- State of MN
- Local Unit of Government
- NGO

Land acquired in fee will be designated as a:

- WMA
- SNA
- AMA
- State Forest

What is the anticipated number of closed acquisitions (range is fine) you plan to accomplish with this appropriation?
TPL and TNC expect to close on 2-4 fee acquisitions through this appropriation.

Will the eased land be open for public use?
No

Are there currently trails or roads on any of the proposed acquisitions?
No

Will new trails or roads be developed or improved as a result of the OHF acquisition?
No

Will the acquired parcels be restored or enhanced within this appropriation?
Yes

There will likely be restoration needs greater than funding available within this appropriation for 1 or more of the lands to be acquired within this appropriation.

Timeline

Activity Name	Estimated Completion Date
Purchase agreements or options on acquisition of fee land	June 30, 2023
Purchase agreements or options on conservation easements	June 30, 2023
Acquisition of fee land	June 30, 2024
Stream corridor and floodplain restoration	June 30, 2025
Bluff prairie and oak savanna enhancement	June 30, 2025
Easement acquisition	June 30, 2024

Date of Final Report Submission: 11/01/2025

Availability of Appropriation: Subd. 7. Availability of Appropriation

Money appropriated in this section may not be spent on activities unless they are directly related to and necessary for a specific appropriation and are specified in the accomplishment plan approved by the Lessard-Sams Outdoor Heritage Council. Money appropriated in this section must not be spent on indirect costs or other institutional overhead charges that are not directly related to and necessary for a specific appropriation. Unless otherwise provided, the amounts in this section are available until June 30, 2023. For acquisition of real property, the amounts in this section are available until June 30, 2024, if a binding agreement with a landowner or purchase agreement is entered into by June 30, 2023, and closed no later than June 30, 2024. Funds for restoration or enhancement are available until June 30, 2025, or five years after acquisition, whichever is later, in order to complete initial restoration or enhancement work. If a project receives at least 15 percent of its funding from federal funds, the time of the appropriation may be extended to equal the availability of federal funding to a maximum of six years if the federal funding was confirmed and included in the original approved draft accomplishment plan. Funds appropriated for fee title acquisition of land may be used to restore, enhance, and provide for public use of the land acquired with the appropriation. Public-use facilities must have a minimal impact on habitat in acquired lands.

Budget

Budget reallocations up to 10% do not require an amendment to the Accomplishment Plan.

Grand Totals Across All Partnerships

Item	Funding Request	Leverage	Leverage Source	Total
Personnel	$344,000	-	-	$344,000
Contracts	$307,100	-	-	$307,100
Fee Acquisition w/ PILT	$1,290,500	-	-	$1,290,500
Fee Acquisition w/o PILT	-	-	-	-
Easement Acquisition	$300,000	$65,000	Private Landowners	$365,000
Easement Stewardship	$96,000	-	-	$96,000
Travel	$13,300	$2,500	-, Private	$15,800
Professional Services	$161,000	-	-	$161,000
Direct Support Services	$87,100	$84,600	-, Private, Private	$171,700
DNR Land Acquisition Costs	$35,000	-	-	$35,000
Capital Equipment	-	-	-	-
Other Equipment/Tools	-	-	-	-
Supplies/Materials	$20,000	-	-	$20,000
DNR IDP	$50,000	-	-	$50,000
Grand Total	**$2,704,000**	**$152,100**	**-**	**$2,856,100**

Partner: Trust for Public Land

Totals

Item	Funding Request	Leverage	Leverage Source	Total
Personnel	$50,000	-	-	$50,000
Contracts	$75,000	-	-	$75,000
Fee Acquisition w/ PILT	$557,400	-	-	$557,400
Fee Acquisition w/o PILT	-	-	-	-
Easement Acquisition	-	-	-	-
Easement Stewardship	-	-	-	-
Travel	-	$2,500	Private	$2,500
Professional Services	$40,000	-	-	$40,000
Direct Support Services	$29,600	$29,600	Private	$59,200
DNR Land Acquisition Costs	$15,000	-	-	$15,000
Capital Equipment	-	-	-	-
Other Equipment/Tools	-	-	-	-
Supplies/Materials	-	-	-	-
DNR IDP	$30,000	-	-	$30,000
Grand Total	**$797,000**	**$32,100**	**-**	**$829,100**

Personnel

Position	Annual FTE	Years Working	Funding Request	Leverage	Leverage Source	Total
Protection and Legal Staff	0.1	3.0	$50,000	-	-	$50,000

Partner: The Nature Conservancy

Totals

Item	Funding Request	Leverage	Leverage Source	Total
Personnel	$180,000	-	-	$180,000
Contracts	$100,000	-	-	$100,000
Fee Acquisition w/ PILT	$733,100	-	-	$733,100
Fee Acquisition w/o PILT	-	-	-	-
Easement Acquisition	-	-	-	-
Easement Stewardship	-	-	-	-
Travel	$5,000	-	-	$5,000
Professional Services	$40,000	-	-	$40,000
Direct Support Services	$25,900	$55,000	Private	$80,900
DNR Land Acquisition Costs	$20,000	-	-	$20,000
Capital Equipment	-	-	-	-
Other Equipment/Tools	-	-	-	-
Supplies/Materials	$20,000	-	-	$20,000
DNR IDP	$20,000	-	-	$20,000
Grand Total	**$1,144,000**	**$55,000**	**-**	**$1,199,000**

Personnel

Position	Annual FTE	Years Working	Funding Request	Leverage	Leverage Source	Total
TNC Project Management, Protection and Grants Admin.	0.7	3.0	$180,000	-	-	$180,000

Partner: Minnesota Land Trust

Totals

Item	Funding Request	Leverage	Leverage Source	Total
Personnel	$114,000	-	-	$114,000
Contracts	$132,100	-	-	$132,100
Fee Acquisition w/ PILT	-	-	-	-
Fee Acquisition w/o PILT	-	-	-	-
Easement Acquisition	$300,000	$65,000	Private Landowners	$365,000
Easement Stewardship	$96,000	-	-	$96,000
Travel	$8,300	-	-	$8,300
Professional Services	$81,000	-	-	$81,000
Direct Support Services	$31,600	-	-	$31,600
DNR Land Acquisition Costs	-	-	-	-
Capital Equipment	-	-	-	-
Other Equipment/Tools	-	-	-	-
Supplies/Materials	-	-	-	-
DNR IDP	-	-	-	-
Grand Total	**$763,000**	**$65,000**	**-**	**$828,000**

Personnel

Position	Annual FTE	Years Working	Funding Request	Leverage	Leverage Source	Total
MLT Restoration Staff	0.22	3.0	$49,000	-	-	$49,000
MLT Protection Staff	0.2	3.0	$65,000	-	-	$65,000

Amount of Request: $2,704,000
Amount of Leverage: $152,100
Leverage as a percent of the Request: 5.62%
DSS + Personnel: $431,100
As a % of the total request: 15.94%
Easement Stewardship: $96,000
As a % of the Easement Acquisition: 32.0%

How will this program accommodate the reduced appropriation recommendation from the original proposed requested amount?
TNC will not pursue a large acquisition that we had been working on. TNC will not be able to complete several restoration and enhancement projects. MLT will be unable to complete several easements from landowners who have applied to previous requests for proposals.

Describe and explain leverage source and confirmation of funds:
TNC and TPL will leverage privately sourced funds to cover direct support services (DSS) costs not reimbursed.

TPL has leveraged private funds for travel.

MLT encourages landowners to donate value as a participant in the program. This leverage ($65,000) is a conservative estimate of expected landowner contribution.

Contracts

What is included in the contracts line?
TNC and TPL contract line items are dedicated to enhancement and restoration work. Typical contractors include private vendors and Conservation Corps of MN/IA.

MLT will contract for: 1) habitat management plans on the new easement acquisitions: 2) restoration plans and projects, 3) contracts to SWCDs for outreach

Easement Stewardship

What is the number of easements anticipated, cost per easement for stewardship, and explain how that amount is calculated?
The average cost per easement to perpetually fund the Minnesota Land Trust's long-term monitoring and enforcement obligations is $24,000. This figure is derived from MLT's detailed stewardship funding "cost analysis" which is consistent with Land Trust Accreditation standards. MLT shares periodic updates to this analysis with LSOHC staff.

Travel

Does the amount in the travel line include equipment/vehicle rental?
Yes

Explain the amount in the travel line outside of traditional travel costs of mileage, food, and lodging
Vehicle rental is also included.

I understand and agree that lodging, meals, and mileage must comply with the current MMB Commissioner Plan:
No

Direct Support Services

How did you determine which portions of the Direct Support Services of your shared support services is direct to this program?
The Nature Conservancy's DSS is based on its Federally Negotiated Rate (FNR) as proposed and subsequently approved by the US Dept. of Interior on an annual basis. In this proposal we are requesting reimbursement of 7.5% of eligible base costs as determined by our annual FNR and based on suggestions from the Council in last year's hearings. The unrecovered portion of the approved rates through the life of the grant is offered as leverage. Examples of expenses included in the FNR include in-house legal counsel; finance, human resources and administrative functions; and IT support. The FNR does not include land acquisition or capital equipment costs over $50,000.

The Trust for Public Land's DSS request is based upon our federally approved indirect rate, which has been approved by the DNR. This rate does not include costs that are included in other budget lines. 50% of these costs are requested from the grant and 50% is contributed as leverage.

MLT: In a process that was approved by the DNR on March 17, 2017, Minnesota Land Trust determined our direct

support services rate to include all of the allowable direct and necessary expenditures that are not captured in other line items in the budget, which is similar to the Land Trust's proposed federal indirect rate. We will apply this DNR approved rate only to personnel expenses to determine the total amount of the direct support services.

Federal Funds

Do you anticipate federal funds as a match for this program?
No

Output Tables

Acres by Resource Type (Table 1)

Type	Wetland	Prairie	Forest	Habitat	Total Acres
Restore	0	0	0	40	40
Protect in Fee with State PILT Liability	0	110	186	40	336
Protect in Fee w/o State PILT Liability	0	0	0	0	0
Protect in Easement	0	0	0	324	324
Enhance	0	20	15	0	35
Total	**0**	**130**	**201**	**404**	**735**

Total Requested Funding by Resource Type (Table 2)

Type	Wetland	Prairie	Forest	Habitat	Total Funding
Restore	-	-	-	$170,000	$170,000
Protect in Fee with State PILT Liability	-	$351,000	$970,000	$475,000	$1,796,000
Protect in Fee w/o State PILT Liability	-	-	-	-	-
Protect in Easement	-	-	-	$593,000	$593,000
Enhance	-	$90,000	$55,000	-	$145,000
Total	**-**	**$441,000**	**$1,025,000**	**$1,238,000**	**$2,704,000**

Acres within each Ecological Section (Table 3)

Type	Metro/Urban	Forest/Prairie	SE Forest	Prairie	N. Forest	Total Acres
Restore	0	0	40	0	0	40
Protect in Fee with State PILT Liability	0	0	336	0	0	336
Protect in Fee w/o State PILT Liability	0	0	0	0	0	0
Protect in Easement	0	0	324	0	0	324
Enhance	0	0	35	0	0	35
Total	**0**	**0**	**735**	**0**	**0**	**735**

Total Requested Funding within each Ecological Section (Table 4)

Type	Metro/Urban	Forest/Prairie	SE Forest	Prairie	N. Forest	Total Funding
Restore	-	-	$170,000	-	-	$170,000
Protect in Fee with State PILT Liability	-	-	$1,796,000	-	-	$1,796,000
Protect in Fee w/o State PILT Liability	-	-	-	-	-	-
Protect in Easement	-	-	$593,000	-	-	$593,000
Enhance	-	-	$145,000	-	-	$145,000
Total	**-**	**-**	**$2,704,000**	**-**	**-**	**$2,704,000**

Average Cost per Acre by Resource Type (Table 5)

Type	Wetland	Prairie	Forest	Habitat
Restore	-	-	-	$4,250
Protect in Fee with State PILT Liability	-	$3,190	$5,215	$11,875
Protect in Fee w/o State PILT Liability	-	-	-	-
Protect in Easement	-	-	-	$1,830
Enhance	-	$4,500	$3,666	-

Average Cost per Acre by Ecological Section (Table 6)

Type	Metro/Urban	Forest/Prairie	SE Forest	Prairie	N. Forest
Restore	-	-	$4,250	-	-
Protect in Fee with State PILT Liability	-	-	$5,345	-	-

Protect in Fee w/o State PILT Liability	-	-	-	-	-
Protect in Easement	-	-	$1,830	-	-
Enhance	-	-	$4,142	-	-

Target Lake/Stream/River Feet or Miles

0.5

Parcels

Parcel Information

Sign-up Criteria?

Yes - Sign up criteria is attached

Explain the process used to identify, prioritize, and select the parcels on your list:

Restore / Enhance Parcels

Name	County	TRDS	Acres	Est Cost	Existing Protection	Description
Vesta Bluffs Middle	Fillmore	10208211	59	$20,000	Yes	Control of invasive brush through prescribed goat grazing
Erding - MLT	Fillmore	10312205	24	$38,000	Yes	Oak woodland restoration via invasive woody removal
ST - Seven Springs WMA	Fillmore	10212216	21	$2,000	Yes	Prescribed fire at 7 Springs WMA
Schueler WMA Seeding	Fillmore	10408204	8	$8,000	Yes	Direct seeding of hardwood trees on retired ag land
Gribben Creek SF Seeding	Fillmore	10309216	15	$17,200	Yes	Direct seeding of hardwood trees on retired ag land
ST - Other Fire Sites	Fillmore	10213223	69	$8,000	Yes	Prescribed fire on other WMAs in Fillmore County
ST - Chosen Valley WMA	Fillmore	10412206	9	$2,000	Yes	Prescribed fire at Chosen Valley WMA
ST - Ferndale Ridge WMA	Fillmore	10407233	11	$2,000	Yes	Prescribed fire on Ferndale WMA
ST - Choice WMA Enhancement	Fillmore	10208211	46	$2,000	Yes	Prescribed fire and overseeding of prairie sites on Choice WMA
Gribben Creek State Forest Unit	Fillmore	10309228	30	$36,000	Yes	Forest enhancement, invasive control and ravine erosion control
Brightsdale State Forest Unit	Fillmore	10309206	25	$25,000	Yes	Timber stand improvement and invasive control
William Pease WMA	Fillmore	10411207	25	$10,000	Yes	Forest health enhancement
Chosen Valley WMA	Fillmore	10412206	10	$4,000	Yes	Forest health enhancement
South Oaks	Goodhue	11214206	3	$22,000	Yes	Enhancement of goat prairie and oak woodlands invaded by non-native species
ST - Yucatan WMA	Houston	10307230	32	$3,000	Yes	Prescribed fire and overseeding of prairie seed
Vingear Ridge Bluffs	Houston	10407228	73	$10,000	Yes	Control of invasive brush through prescribed goat grazing
Wetbark Bluffs	Houston	10307212	67	$10,300	Yes	Control of invasive brush through prescribed goat grazing
ST - Rush Creek Woods WMA	Houston	10407207	70	$4,000	Yes	Prescribed fire at Rush Creek Woods WMA
ST - Root River WMA	Houston	10404231	13	$7,000	Yes	Planting at Root River WMA
Chisholm Valley WMA	Houston	10307204	35	$14,000	Yes	Forest health enhancement
Ferndale Ridge WMA	Houston	10407232	300	$120,000	Yes	Forest health enhancement

Whitewater Direct Seedings	Wabasha	10810220	37	$42,800	Yes	Direct seeding of hardwood trees on retired ag land
ST - Pool 4 WMA	Wabasha	11010202	6	$2,000	Yes	Prescribed fire at Pool 4 WMA
Latsch - MLT	Wabasha	10809204	12	$22,000	Yes	Goat prairie restoration via invasive woody removal
ST - McCarthy Lake WMA	Wabasha	10909206	32	$4,000	Yes	Prescribed fire and herbaceous control at McCarthy Lake WMA
Whitewater Savanna	Winona	10810211	65	$162,500	Yes	Oak savanna enhancement
Whitewater Prairie 2	Winona	10810211	27	$67,500	Yes	Bluff and ridge-top prairie enhancement
Whitewater Savanna 2	Winona	10810235	100	$30,000	Yes	Oak savanna enhancement
Whitewater WMA	Winona	10810202	60	$180,000	Yes	Bluff prairie and oak savanna enhancement within large Rx fire unit
Whitewater - Beaver Creek edge enhancement	Winona	10810220	25	$7,620	Yes	Removal of invasive species in forest around border of direct seeding fields
ST - Whitewater WMA	Winona	10810222	516	$40,000	Yes	Prescribed fire and brush mowing at Whitewater WMA

Fee Parcels

Name	County	TRDS	Acres	Est Cost	Existing Protection
Middle Fork Zumbro River SNA	Dodge	10817224	175	$787,500	No
Middle Fork Zumbro River SNA	Dodge	10817224	175	$787,500	No
Choice WMA North 3	Fillmore	10208203	120	$480,000	No
Forestville 2	Fillmore	10212222	130	$455,000	No
Rushford SB 2	Fillmore	10408222	160	$500,000	No
Choice WMA North 5	Fillmore	10308234	80	$400,000	No
Choice	Fillmore	10308211	102	$102,000	No
Choice WMA 6	Fillmore	10208212	120	$420,000	No
Deer Creek SNA I	Fillmore	10313212	236	$705,000	No
Deer Creek SNA II	Fillmore	10313213	159	$506,000	No
Little Cannon AMA	Goodhue	11018201	77	$340,000	No
Money Creek South	Houston	10406206	100	$100,000	No
Money Creek South	Houston	10406206	100	$300,000	No
Wet Bark 3	Houston	10306230	325	$1,137,500	No
South Branch Middle Fork Zumbro	Olmsted	10715204	215	$2,000,000	No
Whitewater WMA Main II	Wabasha	10909232	210	$486,000	No
Watopa Forest	Wabasha	10910210	320	$1,320,000	No
Whitewater WMA Main	Wabasha	10909230	50	$252,000	No
McCarthy Lake	Wabasha	10909206	138	$135,000	No
Weaver Dunes	Wabasha	10909206	231	$250,000	No
Snake Creek	Wabasha	10910209	257	$1,555,000	No
McCarthy Lake 2	Wabasha	10909207	100	$450,000	No
Whitewater WMA South	Winona	10709231	430	$2,300,000	No
Whitewater WMA North II	Winona	10710208	86	$624,900	No
Whitewater WMA Main III	Winona	10710209	54	$277,900	No
Whitewater WMA South II	Winona	10710226	543	$1,884,000	No
Whitewater WMA North I	Winona	10710207	41	$259,000	No

Fee Parcels with Buildings

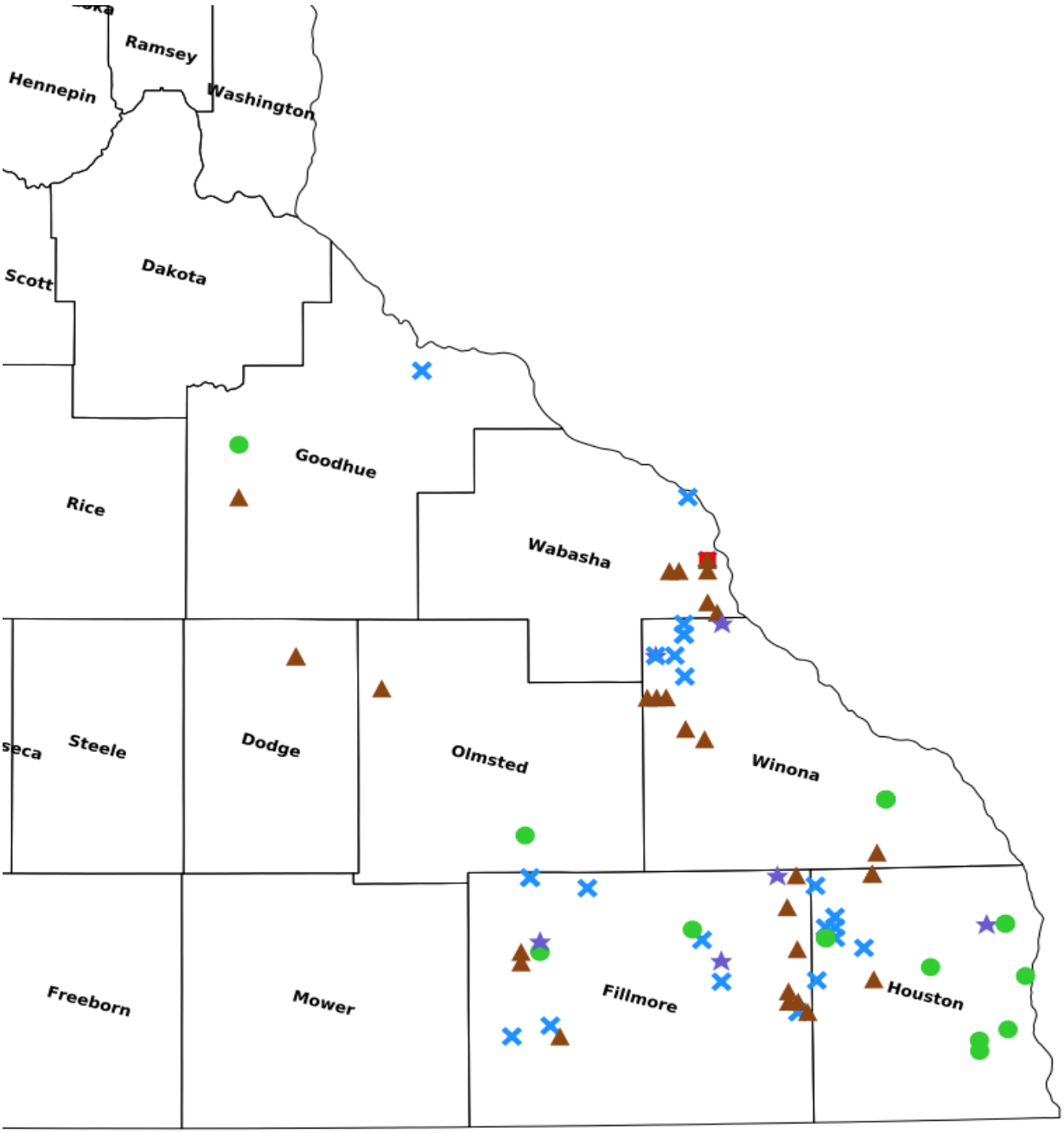
Name	County	TRDS	Acres	Est Cost	Existing Protection	Buildings	Value of Buildings

Choice WMA 7	Fillmore	10208202	570	$2,000,000	No	2	-
Rush Creek	Fillmore	10408202	240	$825,000	Yes	1	$0
Money Creek	Winona	10506230	850	$2,500,000	No	1	$0

Easement Parcels

Name	County	TRDS	Acres	Est Cost	Existing Protection
Root River 8	Fillmore	10410236	125	$194,000	No
Deer Creek	Fillmore	10312208	60	$63,000	No
Deer Creek	Fillmore	10312208	60	$63,000	No
Sogn Valley	Goodhue	11118212	110	$125,000	No
Root River	Houston	10404233	140	$200,000	No
Brownsville Bluff	Houston	10304226	14	$0	No
Chisholm Valley	Houston	10307205	110	$150,000	Yes
Crooked Creek 4	Houston	10205236	250	$200,000	No
Crooked Creek 5	Houston	10205225	210	$250,000	No
Root River 7	Houston	10404233	140	$200,000	No
Chisholm Valley	Houston	10307205	110	$150,000	Yes
Chisholm Valley	Houston	10307205	110	$150,000	Yes
Crooked Creek 6	Houston	10204221	105	$105,000	No
Crystal Creek	Houston	10305219	68	$74,500	No
Daley Creek	Houston	10307205	160	$238,000	Yes
North Branch Root River	Olmsted	10513213	30	$0	No
Cedar Creek	Winona	10606232	43	$24,000	No
Cedar Creek	Winona	10606232	43	$5,463	No
Cedar Creek	Winona	10606232	43	$24,000	No

Parcel Map



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- Protect in Easement
- Protect in Fee with PILT
- Protect in Fee W/O PILT
- Restore
- Enhance
- Other