

# Lessard-Sams Outdoor Heritage Council

## Fiscal Year 2018 / ML 2017 Request for Funding



**Date:** June 15, 2016

**Program or Project Title:** MN Prairie Recovery Project - Phase VII (PA03)

**Funds Requested:** \$3,778,300

**Manager's Name:** Neal Feeken  
**Title:** Grassland Conservation Program Director  
**Organization:** The Nature Conservancy  
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**County Locations:** Becker, Big Stone, Chippewa, Clay, Cottonwood, Kandiyohi, Kittson, Lac qui Parle, Lincoln, Lyon, Mahnomon, Murray, Nobles, Norman, Pennington, Pipestone, Polk, Pope, Red Lake, Rock, Roseau, Stearns, Swift, Traverse, Wilkin, and Yellow Medicine.

### Regions in which work will take place:

- Forest / Prairie Transition
- Prairie

### Activity types:

- Restore
- Enhance
- Protect in Fee

### Priority resources addressed by activity:

- Wetlands
- Prairie

### Abstract:

This project will advance the prairie protection, restoration and enhancement goals established in the 2011 MN Prairie Conservation Plan. It builds upon the successful model established in Phases 1 - 6 and seeks to protect 600 acres in fee without PILT obligations to be held by The Nature Conservancy, protect an additional 200 acres with PILT for inclusion in the State's Wildlife Management or Scientific Natural Area systems, enhance 15,000 acres of permanently protected grasslands, and restore 200 acres of prairie habitat.

### Design and scope of work:

**Protect** - An estimated 800 acres of prairie, wetlands, grasslands, and savanna will be permanently protected through fee-title acquisition from willing sellers in 5 prairie core/corridor landscapes as identified in the MN Prairie Conservation Plan. Acquired lands will be prioritized according to a matrix using criteria that include: amount of native prairie on the parcel, proximity to other permanently protected areas, quality of habitat and species diversity, and suitability for public recreation. Of these protected acres approximately 600 will be held by The Nature Conservancy subject to a recorded notice of funding restrictions pursuant to a grant agreement with MN DNR. The remaining acres will be transferred to the MN DNR as part of the Wildlife Management Area or Scientific Natural Area programs.

**Enhance** - An estimated 15,000 acres of grassland/wetland complex will be enhanced on permanently protected lands, including lands purchased with OHF funds and held by the Conservancy, MN DNR Management Units, US Fish and Wildlife Service lands, and private lands subject to perpetual conservation easements. The primary objectives of our enhancement activities will be to increase native species diversity and improve critical wildlife habitat. A variety of practices and techniques will be implemented to accomplish our

objectives such as: prescribed fire; removal of trees and woody species; invasive species control including mechanical, biological, and chemical control; overseeding with native seed; and conservation grazing, mowing, or haying. The work will be conducted via contracts with private local vendors, Conservation Corps of Minnesota crews and by using Nature Conservancy seasonal and permanent staff. Prairie Recovery Biologists, stationed in the four primary landscapes are responsible for identifying and prioritizing projects in cooperation with our agency partners, selecting and overseeing contracted work and leading and directing seasonal staff. The Biologists are also responsible for participating in and leading Local Technical Team efforts to increase efficiency and effectiveness of program delivery by multiple partners at the landscape scale.

Restoration - We plan to restore 200 acres of cropland to diverse local-ecotype grassland and grassland/wetland complexes. Practices to be implemented include those listed as enhancements in addition to re-seeding with native species and restoration of original wetland hydrology.

Results to date - Through Phases 1-6 we have protected 4,956 acres of prairies, wetlands, and grasslands and have enhanced more than 55,000 acres of permanently protected grasslands. The protected acres span our priority geographies. In all cases parcels were purchased that were directly adjacent to, or contributed to, the functional integrity of existing habitat complexes. Average per acre costs for acquired properties has risen over the course of the program and has averaged around \$2,000 per acre. Our enhancement projects have focused on accelerating the implementation of prescribed fire, extensive woody vegetation removal, building the infrastructure for conservation grazing systems and mechanical and chemical treatment of invasive species. Costs for enhancement and restoration work vary depending on the practices being implemented but have averaged around \$100 per acre.

### **Which sections of the Minnesota Statewide Conservation and Preservation Plan are applicable to this project:**

- H1 Protect priority land habitats
- H5 Restore land, wetlands and wetland-associated watersheds

### **Which other plans are addressed in this proposal:**

- Minnesota Prairie Conservation Plan
- Tomorrow's Habitat for the Wild and Rare

### **Describe how your program will advance the indicators identified in the plans selected:**

By focusing our protection work in core/corridor areas as identified in the Prairie Plan, this project will advance the collaborative indicator of targeting conservation dollars to restore functional grassland landscapes at meaningful scale throughout the Prairie region of MN. The project will also accelerate the indicators for enhancement/restoration outlined in the plan including: increasing native plant diversity condition and cover; stable or decreasing cover of invasive woody vegetation; and supporting diverse populations of native birds and insects. Further, the project will result in decreased coverage of invasive species and increased cover dominated by native plants. Collectively these actions will provide increased acreage and quality of habitat for the prairie obligate species called out in the State Wildlife Action Plan.

### **Which LSOHC section priorities are addressed in this proposal:**

#### **Prairie:**

- Protect, enhance, and restore remnant native prairie, Big Woods forests, and oak savanna

#### **Forest / Prairie Transition:**

- Protect, enhance, and restore rare native remnant prairie

### **Describe how your program will produce and demonstrate a significant and permanent conservation legacy and/or outcomes for fish, game, and wildlife as indicated in the LSOHC priorities:**

The Nature Conservancy has been actively protecting and managing prairies in Minnesota for more than 50 years. Funds available through this program provide critical resources for protecting the 1% of prairie remaining in the state. Given the continued pressure to convert prairie lands it is imperative that willing sellers of native prairie be given the chance to protect these increasingly rare systems. The Prairie Recovery Project represents one of the best tools the Conservancy has to afford such protection. Further, many of the lands in public ownership are in need of increased management to ensure healthy grassland systems. Investment in removing woody species, controlling invasives and implementing prescribed fire regimes is akin to infrastructure development in that upfront costs are high but ongoing maintenance becomes more sustainable once those investments have been made. This project, and others that support the goals of the MN Prairie Conservation Plan are critical to ensuring the long-term health and viability of Minnesota's prairie landscapes.

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

The project focuses activities on core/corridor complexes as described in the MN Prairie Plan. The plan was developed using the best available information for identifying the highest quality/highest density remaining prairie and grassland complexes in the state. Individual parcels are prioritized using the attached criteria. Important considerations include % of native prairie on tract; adjacency to other native prairie; proximity to other protected lands; and uniqueness and diversity of species present. MN County Biological Survey data and biodiversity rankings are key tools used to measure these criteria.

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

Temperate grasslands are the most endangered and least protected habitat type on earth. Activities identified in this project directly reflect implementation strategies identified in the MN Prairie Conservation Plan. Properties for acquisition are identified and prioritized using MN County Biological Survey Rare Element Occurrences and Biodiversity Significance. The geographies we have chosen to focus on, in addition to being Prairie Plan core areas, reflect the areas with the highest density and highest quality remaining prairie systems left in the state. By focusing our work in these particular landscapes we increase the functionality of the overall prairie/grassland systems, including increasing water retention, improving breeding and nesting habitat and augmenting migratory corridors. While our work focuses on increasing and maintaining system functionality a number of individual species and suites of SPGCN will directly benefit from this project including:

Insects - habitat management and protection specifically for the federally threatened Dakota skipper butterfly, potential restoration of the endangered Poweshiek skipperling, declining regal fritillary butterflies

Mammals - American badger (an indicator species requiring intact blocks of quality habitat), elk (particularly for herd management and expansion efforts in far NW MN)

Reptiles - hognose snake (primarily in western MN counties of Lac qui Parle, Big Stone and Yellow Medicine), 5-lined skink (rock outcroppings in the upper MN River Valley)

Birds - Grassland dependent birds have experienced precipitous population decline across the Great Plains, largely due to habitat loss on the breeding grounds. This project will provide permanently protected and enhanced habitat for a suite of grassland and wetland nesting birds, most notably the Meadowlark, Bobolink, Dickcissel, Grasshopper sparrow, Henslow's sparrow, upland sandpiper, Black tern, Northern pintail, Greater Prairie-chicken, Sharp tail grouse, and many others.

## Identify indicator species and associated quantities this habitat will typically support:

To ensure consistency we are using the five indicator species and metrics identified by MNDNR to represent the prairie/grassland habitats: pheasant, prairie chicken, bobolink, grasshopper sparrow, and monarch butterfly.

### Pheasant

By looking at the ratios of CRP acres in Minnesota to pheasant harvest, we can estimate that every three acres of grassland habitat has the potential to produce one harvested pheasant rooster.

### Prairie Chickens

According to the literature and personal observations in Minnesota, prairie chickens require a minimum of 320 acres of high quality grasslands with no areas hostile to grassland wildlife (woodlots, farmsteads, etc) near these grasslands. For every 320 acre patch of high quality grassland in the prairie chicken range in the northwest part of the state, we can expect there to be a lek, or booming ground. The average size of booming grounds in Minnesota is roughly 11 males.

### Bobolink and Grasshopper Sparrow

The breeding territory size of bobolinks and grasshopper sparrows is 1.7 and 2.1 acres respectively in high quality habitat in Wisconsin. If all of the habitat was occupied, 100 acres of habitat could potentially hold approximately 60 and 48 pairs of bobolinks and grasshopper sparrows respectively.

### Monarch Butterfly

Research from the University of Minnesota has shown that it takes approximately 30 milkweed plants to result in one monarch butterfly contributing to the overwintering Mexican population. Grasslands can have between 100-250 milkweed stems per acre. An acre of restored or enhanced grassland could potentially contribute 3 to 8 monarchs to the population.

## Outcomes:

### Programs in forest-prairie transition region:

- Remnant native prairies are part of large complexes of restored prairies, grasslands, and large and small wetlands *Protection results will be measured against MN Prairie Conservation Plan goals for protected acres of native prairie and associated grassland for each geography. Enhancement results will be measured using protocols developed for the multi-agency Grassland Monitoring Network*

**Programs in prairie region:**

- Remnant native prairies are part of large complexes of restored prairies, grasslands, and large and small wetlands *Protection results will be measured against MN Prairie Conservation Plan goals for protected acres of native prairie and associated grassland for each geography. Enhancement results will be measured using protocols developed for the multi-agency Grassland Monitoring Network*

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

Protection, restoration, and enhancement are all critical tools for the long-term viability of Minnesota's prairie/wetland systems. The prairie pothole landscape can only be sustained through the regular application of disturbance, including fire, grazing and haying. A primary purpose of this proposal is to continue a highly successful collaborative and coordinated partnership that accelerates the use of these practices across multiple landscapes. In many cases requested funds will develop infrastructure and enable completion of one-time large expenses such as woody species removal and installation of fencing for conservation grazing. Once those activities are complete we expect long-term maintenance costs to moderate. The Nature Conservancy will continue to seek mechanisms that derive revenue from grazing, haying and seed production consistent with our conservation goals. All resulting income will be placed in a dedicated account for future property tax payments and management of properties acquired with Outdoor Heritage Funds. Our past efforts show that revenue generation is insufficient to pay for all associated expenses therefore we plan to seek future funding from the Outdoor Heritage Fund along with private contributions for long-term stewardship needs.

**Explain the things you will do in the future to maintain project outcomes:**

Year	Source of Funds	Step 1	Step 2	Step 3
Once every 3-5 years	OHF, Private contributions	Prescribed fire		
Annually	OHF, Private contributions	Invasive species search and treatment		
As needed	OHF, USDA, private contributions, lease income	Conservation Grazing		

**What is the degree of timing/opportunistic urgency and why it is necessary to spend public money for this work as soon as possible:**

Only 235,000 acres of Minnesota's prairies remain and of these only about half are currently protected. The rest remain at high risk for conversion to other uses such as row-crop production, gravel mining, and urban development. It is imperative that we permanently protect all the remaining native prairie. The MN Prairie Conservation Plan sets an ambitious goal of protecting all of our remaining native prairies and annually enhancing significant acres of grassland habitat over the next 25 years. This project represents one tool designed to help the conservation community meet these goals.

**How does this proposal include leverage in funds or other effort to supplement any OHF appropriation:**

The Prairie Recovery Project complements other efforts requesting OHF Funds and is a collaborative approach to addressing the State's prairie crisis. Other partners engaged throughout the implementation of this project include MN DNR, MN BWSR, US Fish & Wildlife Service, USDA, Pheasants Forever, MN Land Trust, Ducks Unlimited, MN Prairie Chicken Society, local Soil & Water Conservation Districts, private landowners, cattlemen, and many others. This collaborative approach to landscape scale conservation as called for in the Prairie Plan results in greater efficiency of action, improved targeting of limited funding dollars, and increased attention to the issue of prairie conservation. The Biologists working under this project serve in leadership roles on the Local Technical Teams in the core areas targeted by this proposal and regularly collaborate with partners to ensure the highest level of efficiency and leverage is achieved.

**Relationship to other funds:**

- Not Listed

**Describe the relationship of the funds:**

Not Listed

## Describe the source and amount of non-OHF money spent for this work in the past:

Appropriation Year	Source	Amount
2010	TNC Private Contributions	1228000
2011	TNC Private Contributions	1427700
2012	TNC Private Contributions	587863
2013	TNC Private Contributions	480000

## Activity Details

### Requirements:

If funded, this proposal will meet all applicable criteria set forth in MS 97A.056 - **Yes**

Will local government approval be sought prior to acquisition - **No**

The Nature Conservancy will retain and manage acquired properties in nongovernmental ownership. We are committed to paying property taxes on all properties that we retain ownership of. We work with local officials to ensure knowledge of our activities but do not ask for local approval.

For lands intended to be acquired and subsequently donated to MN DNR we will notify county boards of the acquisition before closing on the property.

Is the land you plan to acquire free of any other permanent protection - **Yes**

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

Is the activity on permanently protected land per 97A.056, subd 13(f), tribal lands, and/or public waters per MS 103G.005, Subd. 15 - **Yes (WMA, WPA, SNA, Private Land, Refuge Lands)**

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

### Land Use:

Will there be planting of corn or any crop on OHF land purchased or restored in this program - **Yes**

Explain

No food plots will be established on OHF acquired properties. 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 or other commercial crops can 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. Neonicitinoide treated seed will not be used. We would not expect agricultural crop use to exceed 3 years on any given OHF acquired property. We are currently exploring and testing the viability of alternative restoration techniques to minimize the need to farm restoration sites, including expanded use of cover crops.

Are any of the crop types planted GMO treated - **Yes**

Is this land currently open for hunting and fishing - **No**

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

No variation expected.

Are there currently trails or roads on any of the acquisitions on the parcel list - **No**

Will new trails or roads be developed as a result of the OHF acquisition - **No**

## Accomplishment Timeline

Activity	Approximate Date Completed
Protect first 200 acres without PILT	April 2019
Enhance 5,000 acres permanently protected grasslands	June 2019
Protect 200 acres w/PILT	December 2019
Protect 200 acres without PILT	December 2019
Enhance 5,000 acres permanently protected grasslands	December 2019
Protect 200 acres without PILT	May 2020
Enhance 5,000 acres	June 2020
Restore 200 acres	June 2021

# Budget Spreadsheet

**Total Amount of Request: \$3,778,300**

## Budget and Cash Leverage

Budget Name	LSOHC Request	Anticipated Leverage	Leverage Source	Total
Personnel	\$779,500	\$0		\$779,500
Contracts	\$800,000	\$0		\$800,000
Fee Acquisition w/ PILT	\$500,000	\$0		\$500,000
Fee Acquisition w/o PILT	\$1,000,000	\$200,000	TNC	\$1,200,000
Easement Acquisition	\$0	\$0		\$0
Easement Stewardship	\$0	\$0		\$0
Travel	\$49,700	\$0		\$49,700
Professional Services	\$82,800	\$0		\$82,800
Direct Support Services	\$223,800	\$231,700	TNC	\$455,500
DNR Land Acquisition Costs	\$5,000	\$0		\$5,000
Capital Equipment	\$60,000	\$0		\$60,000
Other Equipment/Tools	\$118,100	\$0		\$118,100
Supplies/Materials	\$159,400	\$0		\$159,400
DNR IDP	\$0	\$0		\$0
<b>Total</b>	<b>\$3,778,300</b>	<b>\$431,700</b>		<b>\$4,210,000</b>

## Personnel

Position	FTE	Over # of years	LSOHC Request	Anticipated Leverage	Leverage Source	Total
Protection Staff	0.66	3.00	\$170,000	\$0		\$170,000
Seasonal Habitat Crews	3.00	3.00	\$188,000	\$0		\$188,000
TNC Land Stewards	0.15	3.00	\$66,000	\$0		\$66,000
Project Management	0.30	3.00	\$48,500	\$0		\$48,500
Grants Administration	0.11	3.00	\$28,500	\$0		\$28,500
TNC Science staff	0.08	3.00	\$24,500	\$0		\$24,500
Prairie Recovery Biologists	1.33	3.00	\$254,000	\$0		\$254,000
<b>Total</b>	<b>5.63</b>	<b>21.00</b>	<b>\$779,500</b>	<b>\$0</b>		<b>\$779,500</b>

## Capital Equipment

Item Name	LSOHC Request	Anticipated Leverage	Leverage Source	Total
Utility task vehicle	\$15,000	\$0		\$15,000
Utility task vehicle	\$15,000	\$0		\$15,000
Tracked prescribed fire UTV	\$30,000	\$0		\$30,000
<b>Total</b>	<b>\$60,000</b>	<b>\$0</b>		<b>\$60,000</b>

Amount of Request: \$3,778,300

Amount of Leverage: \$431,700

Leverage as a percent of the Request: 11.43%

DSS + Personnel: \$1,003,300

As a % of the total request: 26.55%

Easement Stewardship: \$0

As a % of the Easement Acquisition: -%

## How did you determine which portions of the Direct Support Services of your shared support services is direct to this program:

DSS is based on The Nature Conservancy's Federally Negotiated rate as proposed and subsequently approved by the US Dept. of Interior. The portion requested from the grant represents 50% of this rate, with the remaining 50% contributed as leverage.

## Does the amount in the contract line include R/E work?

Yes. The entire contract line item is dedicated to enhancement and restoration work. Typical contractors include private vendors and

Conservation Corps of MN/IA.

**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:**

Travel line item includes approximately \$4,000 for short term vehicle rentals, primarily for Project coordinator and Protection Specialist. Long term truck lease costs for the Prairie Recovery Biologists are reflected in the Other Equipment line item.

**Describe and explain leverage source and confirmation of funds:**

The leverage offered on the DSS line item reflects one-half of the Conservancy's federally approved indirect rate. The leverage found on the Acquire in Fee without PILT line represents 20% of acquisition costs placed in an endowment ensuring long-term management and property tax obligations are met. Both represent private contributions.

**Does this proposal have the ability to be scalable? - Yes**

**Tell us how this project would be scaled and how administrative costs are affected, describe the "economy of scale" and how outputs would change with reduced funding, if applicable:**

This Phase is a component of the larger MN Prairie Recovery Program. The continuity of funding across multiple Phases allows us flexibility when prioritizing specific parcels for protection or enhancement and is an important aspect in our ability to scale activities up or down depending on funds available.



## Output Tables

**Table 1a. Acres by Resource Type**

Type	Wetlands	Prairies	Forest	Habitats	Total
Restore	50	150	0	0	200
Protect in Fee with State PILT Liability	50	150	0	0	200
Protect in Fee W/O State PILT Liability	100	500	0	0	600
Protect in Easement	0	0	0	0	0
Enhance	500	14,500	0	0	15,000
Total	700	15,300	0	0	16,000

**Table 1b. How many of these Prairie acres are Native Prairie?**

Type	Native Prairie
Restore	0
Protect in Fee with State PILT Liability	0
Protect in Fee W/O State PILT Liability	400
Protect in Easement	0
Enhance	5,000
Total	5,400

**Table 2. Total Requested Funding by Resource Type**

Type	Wetlands	Prairies	Forest	Habitats	Total
Restore	\$50,000	\$150,000	\$0	\$0	\$200,000
Protect in Fee with State PILT Liability	\$125,000	\$388,800	\$0	\$0	\$513,800
Protect in Fee W/O State PILT Liability	\$200,000	\$862,000	\$0	\$0	\$1,062,000
Protect in Easement	\$0	\$0	\$0	\$0	\$0
Enhance	\$50,000	\$1,952,500	\$0	\$0	\$2,002,500
Total	\$425,000	\$3,353,300	\$0	\$0	\$3,778,300

**Table 3. Acres within each Ecological Section**

Type	Metro/Urban	Forest/Prairie	SE Forest	Prairie	Northern Forest	Total
Restore	0	100	0	100	0	200
Protect in Fee with State PILT Liability	0	100	0	100	0	200
Protect in Fee W/O State PILT Liability	0	300	0	300	0	600
Protect in Easement	0	0	0	0	0	0
Enhance	0	7,500	0	7,500	0	15,000
Total	0	8,000	0	8,000	0	16,000

**Table 4. Total Requested Funding within each Ecological Section**

Type	Metro/Urban	Forest/Prairie	SE Forest	Prairie	Northern Forest	Total
Restore	\$0	\$100,000	\$0	\$100,000	\$0	\$200,000
Protect in Fee with State PILT Liability	\$0	\$256,900	\$0	\$256,900	\$0	\$513,800
Protect in Fee W/O State PILT Liability	\$0	\$531,000	\$0	\$531,000	\$0	\$1,062,000
Protect in Easement	\$0	\$0	\$0	\$0	\$0	\$0
Enhance	\$0	\$1,001,200	\$0	\$1,001,300	\$0	\$2,002,500
Total	\$0	\$1,889,100	\$0	\$1,889,200	\$0	\$3,778,300

**Table 5. Average Cost per Acre by Resource Type**

Type	Wetlands	Prairies	Forest	Habitats
Restore	\$1,000	\$1,000	\$0	\$0
Protect in Fee with State PILT Liability	\$2,500	\$2,592	\$0	\$0
Protect in Fee W/O State PILT Liability	\$2,000	\$1,724	\$0	\$0
Protect in Easement	\$0	\$0	\$0	\$0
Enhance	\$100	\$135	\$0	\$0

**Table 6. Average Cost per Acre by Ecological Section**

Type	Metro/Urban	Forest/Prairie	SE Forest	Prairie	Northern Forest
Restore	\$0	\$1,000	\$0	\$1,000	\$0
Protect in Fee with State PILT Liability	\$0	\$2,569	\$0	\$2,569	\$0
Protect in Fee W/O State PILT Liability	\$0	\$1,770	\$0	\$1,770	\$0
Protect in Easement	\$0	\$0	\$0	\$0	\$0
Enhance	\$0	\$133	\$0	\$134	\$0

**Target Lake/Stream/River Feet or Miles**

0

I have read and understand Section 15 of the Constitution of the State of Minnesota, Minnesota Statute 97A.056, and the Call for Funding Request. I certify I am authorized to submit this proposal and to the best of my knowledge the information provided is true and accurate.

# Parcel List

## Explain the process used to select, rank and prioritize the parcels:

Parcel selection for Protection projects, both with and without PILT obligations, are prioritized according to the goals found within the MN Prairie Plan and specifically using the attached criteria. Parcels that the Conservancy intends to own and manage are located within core portfolio sites while parcels intended for transfer will be selected in consultation with MN DNR managers. Enhancement parcels consist of permanently protected grasslands primarily USFWS WPAs and MN DNR WMAs and are selected for funding in close consultation with the partner responsible for ultimate management. Parcels proposed on the parcel list do not reflect actual parcels, rather are illustrative of the areas in which our work is to be conducted. Maintaining anonymity of parcels is an important consideration for the organization in order to protect landowner privacy rights and to maintain the integrity of good faith negotiations. All actual protection parcels will be submitted to the LSOHC for approval prior to acquiring through an Accomplishment Plan amendment request. All completed restoration and enhancement projects will be reported to the Council on the Status Updates and the Final Report.

## Section 1 - Restore / Enhance Parcel List

### Becker

Name	TRDS	Acres	Est Cost	Existing Protection?
NA	13942201	99	\$1,000	Yes

### Big Stone

Name	TRDS	Acres	Est Cost	Existing Protection?
NA	12446210	99	\$999	Yes

### Chippewa

Name	TRDS	Acres	Est Cost	Existing Protection?
NA	11739213	99	\$999	Yes

### Clay

Name	TRDS	Acres	Est Cost	Existing Protection?
NA	14247204	99	\$999	Yes

### Cottonwood

Name	TRDS	Acres	Est Cost	Existing Protection?
NA	10734220	99	\$999	Yes

### Kandiyohi

Name	TRDS	Acres	Est Cost	Existing Protection?
NA	12233215	99	\$999	Yes

### Kittson

Name	TRDS	Acres	Est Cost	Existing Protection?
NA	16045206	99	\$999	Yes

### Lac qui Parle

Name	TRDS	Acres	Est Cost	Existing Protection?
NA	11943211	99	\$999	Yes

### Lincoln

Name	TRDS	Acres	Est Cost	Existing Protection?
NA	10945217	99	\$999	Yes

**Lyon**

Name	TRDS	Acres	Est Cost	Existing Protection?
NA	11243218	99	\$999	Yes

**Mahnomen**

Name	TRDS	Acres	Est Cost	Existing Protection?
NA	14642208	99	\$999	Yes

**Murray**

Name	TRDS	Acres	Est Cost	Existing Protection?
NA	10740210	99	\$1,000	Yes
NA	10740210	99	\$1,000	Yes

**Nobles**

Name	TRDS	Acres	Est Cost	Existing Protection?
NA	10140225	99	\$1,000	Yes
NA	10140225	99	\$1,000	Yes

**Norman**

Name	TRDS	Acres	Est Cost	Existing Protection?
NA	14647203	99	\$999	Yes

**Pennington**

Name	TRDS	Acres	Est Cost	Existing Protection?
NA	15345230	99	\$1,000	Yes
NA	15345230	99	\$1,000	Yes

**Pipestone**

Name	TRDS	Acres	Est Cost	Existing Protection?
NA	10846219	99	\$999	Yes

**Polk**

Name	TRDS	Acres	Est Cost	Existing Protection?
NA	15449201	99	\$999	Yes

**Pope**

Name	TRDS	Acres	Est Cost	Existing Protection?
NA	12336214	99	\$999	Yes

**Red Lake**

Name	TRDS	Acres	Est Cost	Existing Protection?
NA	15144202	99	\$999	Yes

**Rock**

Name	TRDS	Acres	Est Cost	Existing Protection?
NA	10345227	99	\$1,000	Yes
NA	10345227	99	\$1,000	Yes

**Roseau**

Name	TRDS	Acres	Est Cost	Existing Protection?
NA	16242207	99	\$999	Yes

**Stearns**

Name	TRDS	Acres	Est Cost	Existing Protection?
NA	12335216	99	\$999	Yes

**Swift**

Name	TRDS	Acres	Est Cost	Existing Protection?
NA	12042212	99	\$999	Yes

**Traverse**

Name	TRDS	Acres	Est Cost	Existing Protection?
NA	12548220	99	\$1,000	Yes
NA	12548220	99	\$1,000	Yes

**Wilkin**

Name	TRDS	Acres	Est Cost	Existing Protection?
NA	13647205	99	\$999	Yes

**Yellow Medicine**

Name	TRDS	Acres	Est Cost	Existing Protection?
NA	11546221	99	\$999	Yes

**Section 2 - Protect Parcel List****Becker**

Name	TRDS	Acres	Est Cost	Existing Protection?	Hunting?	Fishing?
NA	13942201	99	\$1,000	No	Full	Full
NA	13942201	99	\$1,000	No	Full	Full

**Big Stone**

Name	TRDS	Acres	Est Cost	Existing Protection?	Hunting?	Fishing?
NA	12446210	99	\$999	No	Full	Full
NA	12446210	99	\$999	No	Full	Full

**Chippewa**

Name	TRDS	Acres	Est Cost	Existing Protection?	Hunting?	Fishing?
NA	11739213	99	\$999	No	Full	Full
NA	11739213	99	\$999	No	Full	Full

**Clay**

Name	TRDS	Acres	Est Cost	Existing Protection?	Hunting?	Fishing?
NA	14247204	99	\$999	No	Full	Full
NA	14247204	99	\$999	No	Full	Full

**Cottonwood**

Name	TRDS	Acres	Est Cost	Existing Protection?	Hunting?	Fishing?
NA	10734220	99	\$999	No	Full	Full
NA	10734220	99	\$999	No	Full	Full

**Kandiyohi**

Name	TRDS	Acres	Est Cost	Existing Protection?	Hunting?	Fishing?
NA	12233215	99	\$999	No	Full	Full
NA	12233215	99	\$999	No	Full	Full

**Kittson**

Name	TRDS	Acres	Est Cost	Existing Protection?	Hunting?	Fishing?
NA	16045206	99	\$999	No	Full	Full
NA	16045206	99	\$999	No	Full	Full

**Lac qui Parle**

Name	TRDS	Acres	Est Cost	Existing Protection?	Hunting?	Fishing?
NA	11943211	99	\$999	No	Full	Full
NA	11943211	99	\$999	No	Full	Full

**Lincoln**

Name	TRDS	Acres	Est Cost	Existing Protection?	Hunting?	Fishing?
NA	10945217	99	\$999	No	Full	Full
NA	10945217	99	\$999	No	Full	Full

**Lyon**

Name	TRDS	Acres	Est Cost	Existing Protection?	Hunting?	Fishing?
NA	11243218	99	\$999	No	Full	Full
NA	11243218	99	\$999	No	Full	Full

**Mahnomen**

Name	TRDS	Acres	Est Cost	Existing Protection?	Hunting?	Fishing?
NA	14642208	99	\$999	No	Full	Full
NA	14642208	99	\$999	No	Full	Full

**Murray**

Name	TRDS	Acres	Est Cost	Existing Protection?	Hunting?	Fishing?
NA	10740210	99	\$1,000	No	Full	Full
NA	10740210	99	\$1,000	No	Full	Full

**Nobles**

Name	TRDS	Acres	Est Cost	Existing Protection?	Hunting?	Fishing?
NA	10140225	99	\$1,000	No	Full	Full
NA	10140225	99	\$1,000	No	Full	Full

**Norman**

Name	TRDS	Acres	Est Cost	Existing Protection?	Hunting?	Fishing?
NA	14647203	99	\$999	No	Full	Full
NA	14647203	99	\$999	No	Full	Full

**Pennington**

Name	TRDS	Acres	Est Cost	Existing Protection?	Hunting?	Fishing?
NA	15345230	99	\$1,000	No	Full	Full
NA	15345230	99	\$1,000	No	Full	Full

**Pipestone**

Name	TRDS	Acres	Est Cost	Existing Protection?	Hunting?	Fishing?
NA	10846219	99	\$999	No	Full	Full
NA	10846219	99	\$999	No	Full	Full

**Polk**

Name	TRDS	Acres	Est Cost	Existing Protection?	Hunting?	Fishing?
NA	15449201	99	\$999	No	Full	Full
NA	15449201	99	\$999	No	Full	Full

## Pope

Name	TRDS	Acres	Est Cost	Existing Protection?	Hunting?	Fishing?
NA	12336214	99	\$999	No	Full	Full
NA	12336214	99	\$999	No	Full	Full

## Red Lake

Name	TRDS	Acres	Est Cost	Existing Protection?	Hunting?	Fishing?
NA	15144202	99	\$999	No	Full	Full
NA	15144202	99	\$999	No	Full	Full

## Rock

Name	TRDS	Acres	Est Cost	Existing Protection?	Hunting?	Fishing?
NA	10345227	99	\$1,000	No	Full	Full
NA	10345227	99	\$1,000	No	Full	Full

## Roseau

Name	TRDS	Acres	Est Cost	Existing Protection?	Hunting?	Fishing?
NA	16242207	99	\$999	No	Full	Full
NA	16242207	99	\$999	No	Full	Full

## Stearns

Name	TRDS	Acres	Est Cost	Existing Protection?	Hunting?	Fishing?
NA	12335216	99	\$999	No	Full	Full
NA	12335216	99	\$999	No	Full	Full

## Swift

Name	TRDS	Acres	Est Cost	Existing Protection?	Hunting?	Fishing?
NA	12042212	99	\$999	No	Full	Full
NA	12042212	99	\$999	No	Full	Full

## Traverse

Name	TRDS	Acres	Est Cost	Existing Protection?	Hunting?	Fishing?
NA	12548220	99	\$1,000	No	Full	Full
NA	12548220	99	\$1,000	No	Full	Full

## Wilkin

Name	TRDS	Acres	Est Cost	Existing Protection?	Hunting?	Fishing?
NA	13647205	99	\$999	No	Full	Full
NA	13647205	99	\$999	No	Full	Full

## Yellow Medicine

Name	TRDS	Acres	Est Cost	Existing Protection?	Hunting?	Fishing?
NA	11546221	99	\$999	No	Full	Full
NA	11546221	99	\$999	No	Full	Full

## Section 2a - Protect Parcel with Bldgs

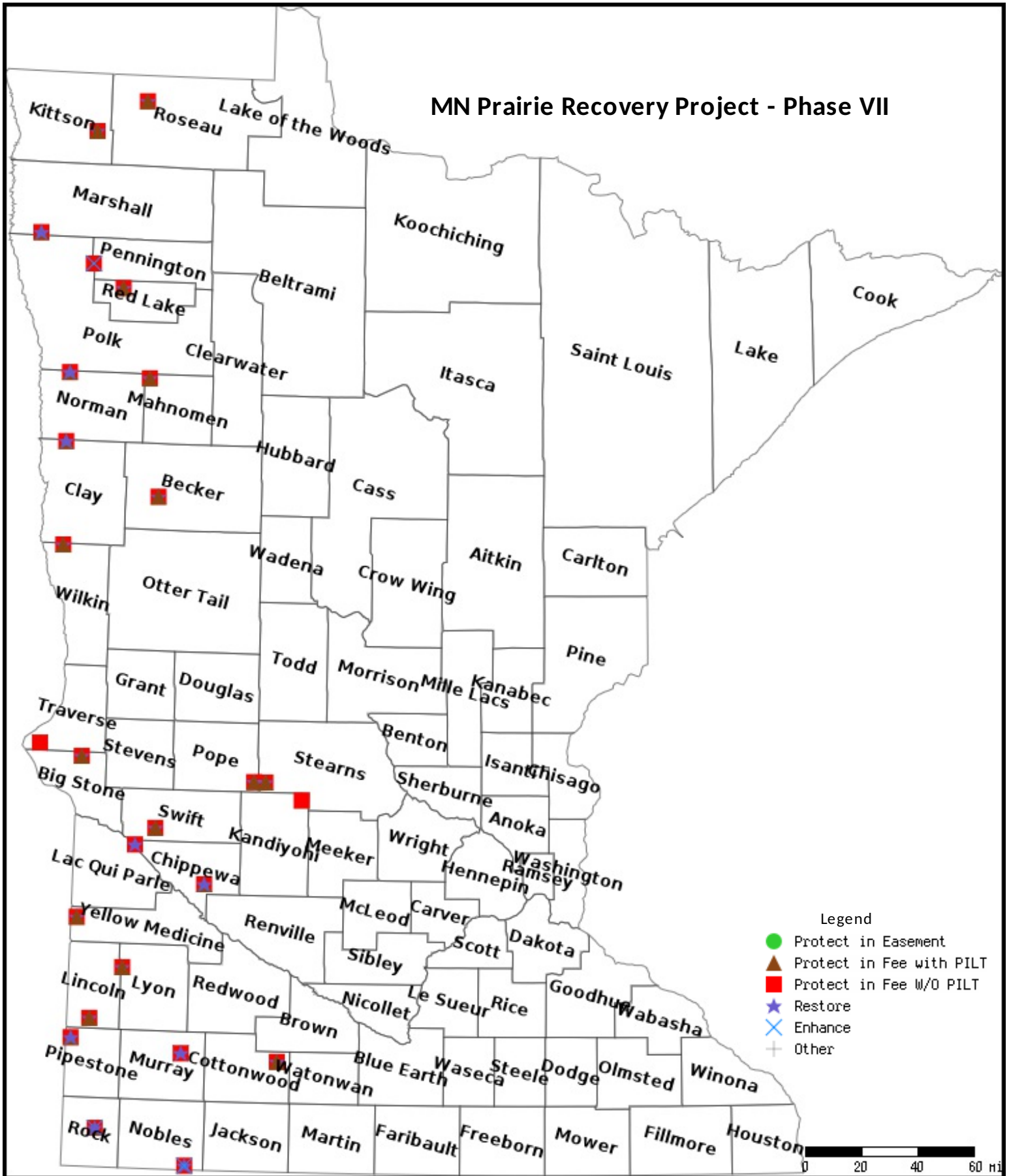
No parcels with an activity type protect and has buildings.

## Section 3 - Other Parcel Activity

No parcels with an other activity type.

# Parcel Map

## MN Prairie Recovery Project - Phase VII



Data Generated From Parcel List



# MN Prairie Recovery Project



## Phase VII

Funds Requested: \$3,778,300

### Protect

800 Acres

\$1,575,800 Requested



### Enhance

15,000 Acres

\$2,002,500 Requested



### Restore

200 Acres

\$200,000 Requested



#### **600 acres TNC Ownership**

- MN Prairie Plan Core/Corridors
- Native Prairie protection top priority
- Remain on Property tax rolls

#### **200 acres DNR Ownership**

- Transfer to WMA/SNA systems
- Build on existing high quality complexes
- PILT payments

#### **Permanently Protected Lands**

- WMA, WPA, SNA, Refuge, Private

#### **Practices**

- Invasive Species Control
- Prescribed Fire
- Woody species removal
- Conservation grazing

#### **Recently protected lands**

- TNC, WMA, WPA

#### **Grassland/Wetland restoration**

- Local Ecotype seed sources
- Pollinator friendly mixes
- Non-neonic treated seed

# MN Prairie Recovery Project



*Phases 1-6*

**Results to Date**

## **Protected**

**4,956 Acres**

29 Transactions



- All in TNC ownership
- Open to public access—fish/hunt
- 4,177 acres Native Prairie/Grassland
- 779 acres Native Wetlands
- Generated revenues = \$51,007
- Property taxes paid = \$88,662

## **Enhanced**

**55,357 Acres**

~ 350 Projects



Projects on WMA, WPA, SNA, NWR Refuges

### *Implementation*

- Private Vendor contracts
- Conservation Corps MN
- TNC seasonal habitat crews

## **Restored**

**303 Acres**

8 Projects



Projects on TNC, WPA, WMA

- Grassland/Wetland restorations
- Mechanical and hand-harvest seed
- Rare species inventory
- Prescribed fire to stimulate seed production

**Parcel Selection Criteria used by The Nature Conservancy for  
the Minnesota Prairie Recovery project funded by the Outdoor Heritage Fund**

The purpose of the Minnesota Prairie Recovery Project is to accelerate and coordinate conservation activities in the prairie regions of Minnesota, and to ensure that the remaining 200,000 acres of remnant native prairie are protected, that restorations complement these remnants and provide critical buffers and corridors, and that all remnant habitats are effectively enhanced with proper use of prescribed fire and control of undesirable species.

To accomplish this purpose, The Nature Conservancy proposes to acquire in fee key tracts of prairies and associated lands to provide maximum protection and opportunity for restoration and enhancement. In looking at restoring prairie functions at a landscape scale, the following criteria will be considered in our identification of appropriate parcels for acquisition:

1. **Native prairie on all or most of tract, or adjacency to existing native prairie.** Emphasis of the project is protecting and enhancing native prairie, as identified by DNR County Biological Survey or site inspection by trained biologist. Protecting native prairie includes the need to buffer and connect native remnants via restoration of non-native lands. We will identify and work with private landowners to acquire tracts that further our goal of native prairie conservation, and in particular, those that meet the other criteria listed below.
2. **Within core area boundary or in critical corridors between core areas.** The project will attempt to build "functioning landscapes" by concentrating in areas with a good core of existing native prairie. We are using the DNR County Biological Survey as a starting point for identifying these core areas. While CBS has identified 38 possible core areas, we will focus within or adjacent to one of 5 areas including: Tallgrass Aspen Parkland, northern Agassiz Beach Ridge, upper Minnesota River Valley, Ordway-Glacial Lakes area, or the Prairie Coteau. Priority will be given to those parcels that are within core areas or that help form critical corridors to maintain landscape function. Selection of tracts will also be guided by the strategies and objectives outlined in TNC's ecoregional conservation action plans.
3. **Near existing protected lands.** Building larger protected complexes is preferred to simplify and reduce overall management costs. In general, larger protected blocks are more effective at conserving the full array of wildlife species and biological diversity. Tracts near existing protected lands will be prioritized higher than those that are isolated.
4. **Greater habitat and species diversity, or host to unique species.** Parcels that host a rare habitat or a continuum of habitats, such as interconnected upland, wetland, riparian, and stream features, will be recognized as having added ecological value and given greater priority. Tracts with underrepresented, small-scale features (e.g., threatened species), will also be prioritized.
5. **Suitability for ultimate assumption by DNR (WMA or SNA).** The Conservancy is proposing to hold these lands for an indefinite period of time. However, we recognize that public ownership of some or all of the acquired properties may be preferable in the future. In order to facilitate this, we will consult with the DNR prior to acquisition regarding the suitability of proposed acquisition tracts for future consideration as a Wildlife Management Area or Scientific and Natural Area.
6. **No buildings or CRP issues.** Existing buildings pose a challenge because they may not be eligible for Outdoor Heritage Fund use and they require additional effort to demolish or sell. Similarly, lands enrolled in the Conservation Reserve Program can complicate the appraisal and

acquisition process. We will give priority to those parcels that have neither buildings nor existing long term CRP leases.

7. **Suitable for grazing.** A principal element of this proposal is to use conservation grazing as a way to meet ecological objectives and to generate income. Lands that are suitable for grazing, or that have recently been used for grazing, will be prioritized.
8. **Willing seller.** We will only work with willing sellers, and those that can abide by the statutory process laid out for use of public funds.
9. **Suitability for public recreation.** Constitutional language requires that these lands be open to public taking of fish and game. We will prioritize those parcels that can foster those public uses.
10. **Additional restrictions or conditions** as specified by the Lessard-Sams Outdoor Heritage Council, public laws and rules, and program policies that direct acquisition priorities.