

# Lessard-Sams Outdoor Heritage Council

## Laws of Minnesota 2018 Accomplishment Plan



**Date:** June 28, 2018

**Program or Project Title:** DNR Grassland Enhancement Ph X

**Funds Recommended:** \$ 4,007,000

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**Legislative Citation:** ML 2018, Ch. 208, Art. 1, Sec. 2, subd 2(m)

**Appropriation Language:** \$4,007,000 the second year is to the commissioner of natural resources to accelerate restoration and enhancement of prairies, grasslands, and savannas in wildlife management areas, in scientific and natural areas, on lands in the native prairie bank, in bluff prairies on state forest land in southeastern Minnesota, and in waterfowl production areas and refuge lands of the United States Fish and Wildlife Service. A list of proposed land restorations and enhancements must be provided as part of the required accomplishment plan.

**County Locations:** Aitkin, Anoka, Becker, Beltrami, Benton, Big Stone, Blue Earth, Brown, Carver, Cass, Chippewa, Clay, Clearwater, Cottonwood, Crow Wing, Dakota, Dodge, Douglas, Fillmore, Freeborn, Goodhue, Grant, Hennepin, Houston, Hubbard, Jackson, Kandiyohi, Kittson, Lac qui Parle, Lac Qui Parle, Lincoln, Lyon, Mahnomen, Marshall, McLeod, Meeker, Mille Lacs, Morrison, Mower, Murray, Norman, Olmsted, Otter Tail, Pipestone, Polk, Pope, Red Lake, Redwood, Renville, Rice, Roseau, Scott, Sherburne, Stearns, Steele, Stevens, Swift, Todd, Traverse, Wabasha, Washington, Wilkin, Winona, Wright, and Yellow Medicine.

### Regions in which work will take place:

- Forest / Prairie Transition
- Metro / Urban
- Northern Forest
- Prairie
- Southeast Forest

### Activity types:

- Enhance
- Restore

### Priority resources addressed by activity:

- Prairie
- Wetlands

### Abstract:

This programmatic request will build on the DNR's previous efforts to enhance and restore grasslands, prairies, and savannas. We will use the Prairie Conservation Plan and Pheasant Summit Action Plan to guide these efforts in a strategic and targeted manner. This proposal will work on a number of types of permanently protected habitats, most of which are open to public hunting, including; DNR WMAs, SNAs, AMAs, Prairie Bank Easements, State Forests, as well as USFWS WPAs and Refuges.

## Design and scope of work:

Almost by definition, the prairie is a disturbance-dependent habitat or ecosystem. The diversity and productivity of grasslands is structured by three factors; fire, periodic grazing, and weather extremes especially periodic droughts. While we have no direct control over short-term weather patterns, one of the primary goals of enhancement / management work is replicating the historic fire and grazing patterns that maintained the diversity and productivity of the prairies.

In recent years, Minnesota has lost large amounts of grasslands. CRP acres are down 770,000 acres since their peak in 2007. We continue to lose native prairie to the plow, housing development, and gravel quarry.

Because of these losses of grassland and wetland habitat across western Minnesota, it is that much more important that the public grasslands in this region are as productive as possible for wildlife and pollinators.

This programmatic request seeks funding to enhance grassland habitat on permanently protected grasslands and prairies, most of which are open to public hunting. Without periodic management to simulate historical disturbance patterns, grassland become less diverse and less productive. Invasive species may increase and woody vegetation will encroach into the grasslands, changing their very character and the species that inhabit the area. The activities listed in this proposal will use BMPs for grassland enhancement and diverse local ecotype seed mixes for restoration.

In earlier grassland appropriations from the DNR and partners, there was some confusion on Initial Development Plans (IDP) for newly acquired WMAs and that initial development wasn't completed. This proposal requests funded under the first budget item to complete this backlog. More recent protection appropriations have included full IDP in the proposal.

Contract work for prescribed fire, woody species removal, invasive species control, grassland restoration, and other enhancement efforts. Requests includes a contract coordinator.

WMA Habitat Enhancement and restoration (7,400 acres) over five years – \$1,876,500

This request seeks to enhance grassland habitat by continuing funding a DNR Region 4 (Southern) Roving Crew.  
DNR Region 4 Roving Crews (13,000) acres over 3 yrs - \$1,440,000

This request will restore and enhance native prairies on SNAs and Prairie Bank easements as described above for WMAs.  
SNA/PB Enhancement and restoration (700 acres) – \$690,500

## How does the request address MN habitats that have: historical value to fish and wildlife, wildlife species of greatest conservation need, MN County Biological Survey data, and/or rare, threatened and endangered species inventories:

Grasslands continue to be the most threatened habitat or ecosystem, both in Minnesota and across the Midwest. At the same time, grassland wildlife populations continue to decline.

According to the new State Wildlife Action Plan, Minnesota's grasslands contain 4 state threatened species, 14 state endangered species, and 29 species of concern. The species on this list include 1 amphibian, 11 birds, 5 mammals, 16 moths and butterflies, 9 other invertebrates, and 5 reptiles.

Birds are one of the most heavily studied groups. Among grassland songbirds, western meadowlarks, bobolink, and dickcissel populations have declined 18, 41, and 70% respectively from 2007 to 2015 according to the Breeding Bird Survey, probably as a result of CRP losses.

Monarch butterflies are in a state of drastic decline. The Dakota skipper was recently federally listed as threatened and the Poweshiek's skipperling as endangered.

Since 2007, the peak year for CRP, there have been the following changes in our grassland wildlife populations: duck harvest has declined 6%, Canada goose harvest is down 24%, other geese down 42%, pheasants down 63%, and gray partridge down 71%. Although not heavily hunted, white-tailed jackrabbit and snipe harvest have declined 92 and 94% respectively.

Clearly, grassland game and non-game wildlife are in significant decline in Minnesota.

## Describe the science based planning and evaluation model used:

The projects in this proposal will be guided primarily by the Prairie Conservation Plan and Pheasant Summit Action Plan. First and foremost, these Plans outline focal areas (Core Areas and Habitat Complexes) where we can build on an existing base of conservation lands and improve the habitat there. The latest science is telling us that it isn't the size of an individual habitat parcel that matters as much as the amount of habitat in the larger surrounding landscape. These Plans, and the work proposed here, build on these concepts of landscape level habitat planning. While we will not restrict ourselves to these focal areas, there are critical habitats outside these areas, we intend to focus our efforts in areas where they can do the most good. This includes both the core areas and habitat complexes as well as the corridors in between them that will allow wildlife populations to disperse across the region.

The new State Wildlife Action Plan (SWAP) is currently being integrated with the Prairie Plan to help us determine where to focus the monitoring work SWAP staff hopes to conduct.

Additionally, the conservation partners (DNR, USFWS, TNC, and Audubon) recently submitted a grant through the USFWS to help us monitor habitat quality, wildlife abundance, and the response of wildlife to all OHF funded activities in these areas. This proposal has been submitted and is in review.

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

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

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

- Long Range Plan for the Ring-Necked Pheasant in MN
- Minnesota Prairie Conservation Plan

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

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

- Protect, enhance, and restore rare native remnant prairie

### **Metro / Urban:**

- Protect, enhance, and restore remnant native prairie, Big Woods forests, and oak savanna with an emphasis on areas with high biological diversity

### **Northern Forest:**

- Restore and enhance habitat on existing protected properties, with preference to habitat for rare, endangered, or threatened species identified by the Minnesota County Biological Survey

### **Prairie:**

- Restore or enhance habitat on public lands

### **Southeast Forest:**

- Protect, enhance, and restore remnant goat prairies

## **Relationship to other funds:**

- Not Listed

## **Describe the relationship of the funds:**

Not Listed

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

We continue to spend DNR funds as we have always done. Those are illustrated in the table below. In addition, the DNR's Program Managers spend large amounts of time with OHF appropriations but incorporate that into normal job duties.

**Per MS 97A.056, Subd. 24, Any state agency or organization requesting a direct appropriation from the OHF must inform the LSOHC at the time of the request for funding is made, 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 request supplements existing sources of funding by accomplishing work that would not have been implemented but for the appropriation, or accomplishing work at a level not attainable but for the appropriation.

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

Appropriation Year	Source	Amount
2016	Game and Fish (Wildlife Operations)	22,700,000
2016	Dedicated Account Fund (Duck Stamp, Pheasant Stamp, etc)	5,300,000
2016	Heritage Enhancement Acct	3,300,000

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

Continuing maintenance and enhancement of these sites will be conducted by DNR Wildlife staff on WMAs, DNR EWR staff on SNAs and NPB, and by the USFWS on WPAs and Refuges. Maintaining appropriate levels of enhancement on all conservation lands will be dependent on future requests from OHF, Game and Fish Fund, bonding, USFWS operating budgets, Special Projects funds for SNA, and other grants such as the North American Wetland Conservation Act (NAWCA). The OHF provides Minnesota's conservation community with a large amount of non-Federal dollars as match that other Midwestern states don't have. In recent years, the Minnesota prairie conservation partners have been maximizing our efforts in these areas.

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

Year	Source of Funds	Step 1	Step 2	Step 3
2021	Those listed above and OHF	monitor subset of completed projects	document results using Strategic Habitat Conservation (SHC) framework	Determine capacity for traditional funds to meet objectives
2022 and beyond	Those listed above and OHF	continue to iteratively apply SHC	adapt results for future projects	continue monitoring and research, develop more partnerships with university programs

**Activity Details:**

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

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

Explain

There is the potential for some crop plantings on our restoration sites. Both the DNR and Division of Fish and Wildlife are currently finishing up their Farming Practices review and any row-cropping will follow these Guidelines and BMPs. For instance, no neonic treated seed is allowed on DNR lands and use of other farm chemicals will be significantly reduced.

Are any of the crop types planted GMO treated - **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, AMA, Private Land with a Conservation Easement, Refuge Lands, State Forests)**

## Accomplishment Timeline:

Activity	Approximate Date Completed
WMA Enhancement / Restoration - contracts	6/30/2023
SNA / NPB Enhancements	6/30/2023
Roving Crew enhancements and restoration	6/30/2023

**Date of Final Report Submission:** 11/1/2023

## Federal Funding:

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

## Outcomes:

### Programs in the northern forest region:

- Healthy populations of endangered, threatened, and special concern species as well as more common species *Monitoring will take place with the base level monitoring conducted by DNR staff and staff from other agencies/NGOs. This includes surveys such as pheasant, sharp-tailed grouse, and woodcock, which are all dependent on open areas.*

### Programs in forest-prairie transition region:

- Protected, restored, and enhanced nesting and migratory habitat for waterfowl, upland birds, and species of greatest conservation need *This proposal will be primarily focused on enhancing grasslands. Migratory game and non-game birds will be some of the primary beneficiaries of this work. We are working with the University of Minnesota to incorporate graduate students into research and monitoring work.*

### Programs in metropolitan urbanizing region:

- Core areas protected with highly biologically diverse wetlands and plant communities, including native prairie, Big Woods, and oak savanna *Monitoring will take place with the base level monitoring conducted by DNR staff and staff from other agencies/NGOs.*

### Programs in southeast forest region:

- Healthier populations of endangered, threatened, and special concern species as well as more common species *Monitoring will primarily be done through studies conducted by the DNR's Ecological and Water Resources Division of key indicator species such as timber rattlesnakes.*

### Programs in prairie region:

- Restored and enhanced upland habitats *The multi-agency/NGO Grassland Monitoring Team (GMT) has developed standardized protocols for sampling grassland vegetation and a number of the sites on this request will be sampled over the 5 year period.*

# Budget Spreadsheet

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

**How will this program accommodate the reduced appropriation recommendation from the original proposed requested amount**

Because this appropriation is composed of many small projects, we can scale down proportionately on effort and acres accomplished.

**Total Amount of Request: \$ 4007000**

## Budget and Cash Leverage

Budget Name	LSOHC Request	Anticipated Leverage	Leverage Source	Total
Personnel	\$1,671,300	\$0		\$1,671,300
Contracts	\$994,400	\$0		\$994,400
Fee Acquisition w/ PILT	\$0	\$0		\$0
Fee Acquisition w/o PILT	\$0	\$0		\$0
Easement Acquisition	\$0	\$0		\$0
Easement Stewardship	\$0	\$0		\$0
Travel	\$496,700	\$0		\$496,700
Professional Services	\$0	\$0		\$0
Direct Support Services	\$203,300	\$0		\$203,300
DNR Land Acquisition Costs	\$0	\$0		\$0
Capital Equipment	\$0	\$0		\$0
Other Equipment/Tools	\$1,800	\$0		\$1,800
Supplies/Materials	\$639,500	\$0		\$639,500
DNR IDP	\$0	\$0		\$0
<b>Total</b>	<b>\$4,007,000</b>	<b>\$0</b>		<b>\$4,007,000</b>

## Personnel

Position	FTE	Over # of years	LSOHC Request	Anticipated Leverage	Leverage Source	Total
FAW - Contract administrator	1.00	4.00	\$380,000	\$0		\$380,000
FAW - Roving Crew - Leader and Crew	6.00	3.00	\$990,000	\$0		\$990,000
EWR - Contract and Project Management	0.07	4.00	\$24,700	\$0		\$24,700
EWR - SNA- NPB Spec and Techs	0.91	7.00	\$253,600	\$0		\$253,600
EWR - Laborers and Seasonals	0.06	4.00	\$23,000	\$0		\$23,000
<b>Total</b>	<b>8.04</b>	<b>22.00</b>	<b>\$1,671,300</b>	<b>\$0</b>		<b>\$1,671,300</b>

Amount of Request: \$4,007,000

Amount of Leverage: \$0

Leverage as a percent of the Request: 0.00%

DSS + Personnel: \$1,874,600

As a % of the total request: 46.78%

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

We used the standard DNR calculator developed for OHF and ENRTF.

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

Yes. 100%

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

Not Listed

## Output Tables

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

Type	Wetlands	Prairies	Forest	Habitats	Total
Restore	0	1,200	0	0	1,200
Protect in Fee with State PILT Liability	0	0	0	0	0
Protect in Fee W/O State PILT Liability	0	0	0	0	0
Protect in Easement	0	0	0	0	0
Enhance	0	19,900	0	0	19,900
Total	0	21,100	0	0	21,100

**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	0
Protect in Easement	0
Enhance	0
Total	0

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

Type	Wetlands	Prairies	Forest	Habitats	Total
Restore	\$0	\$231,000	\$0	\$0	\$231,000
Protect in Fee with State PILT Liability	\$0	\$0	\$0	\$0	\$0
Protect in Fee W/O State PILT Liability	\$0	\$0	\$0	\$0	\$0
Protect in Easement	\$0	\$0	\$0	\$0	\$0
Enhance	\$0	\$3,776,000	\$0	\$0	\$3,776,000
Total	\$0	\$4,007,000	\$0	\$0	\$4,007,000

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

Type	Metro Urban	ForestPrairie	SE Forest	Prairie	N Forest	Total
Restore	33	0	32	935	200	1,200
Protect in Fee with State PILT Liability	0	0	0	0	0	0
Protect in Fee W/O State PILT Liability	0	0	0	0	0	0
Protect in Easement	0	0	0	0	0	0
Enhance	591	1,502	525	17,219	63	19,900
Total	624	1,502	557	18,154	263	21,100

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

Type	Metro Urban	ForestPrairie	SE Forest	Prairie	N Forest	Total
Restore	\$6,300	\$0	\$6,000	\$171,300	\$47,400	\$231,000
Protect in Fee with State PILT Liability	\$0	\$0	\$0	\$0	\$0	\$0
Protect in Fee W/O State PILT Liability	\$0	\$0	\$0	\$0	\$0	\$0
Protect in Easement	\$0	\$0	\$0	\$0	\$0	\$0
Enhance	\$113,600	\$283,900	\$102,700	\$3,263,800	\$12,000	\$3,776,000
Total	\$119,900	\$283,900	\$108,700	\$3,435,100	\$59,400	\$4,007,000

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

Type	Wetlands	Prairies	Forest	Habitats
Restore	\$0	\$193	\$0	\$0
Protect in Fee with State PILT Liability	\$0	\$0	\$0	\$0
Protect in Fee W/O State PILT Liability	\$0	\$0	\$0	\$0
Protect in Easement	\$0	\$0	\$0	\$0
Enhance	\$0	\$190	\$0	\$0

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

Type	Metro/Urban	Forest/Prairie	SE Forest	Prairie	Northern Forest
Restore	\$191	\$0	\$188	\$183	\$237
Protect in Fee with State PILT Liability	\$0	\$0	\$0	\$0	\$0
Protect in Fee W/O State PILT Liability	\$0	\$0	\$0	\$0	\$0
Protect in Easement	\$0	\$0	\$0	\$0	\$0
Enhance	\$192	\$189	\$196	\$190	\$190

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

0



## Parcel List

*For restoration and enhancement programs ONLY: Managers may add, delete, and substitute projects on this parcel list based upon need, readiness, cost, opportunity, and/or urgency so long as the substitute parcel/project forwards the constitutional objectives of this program in the Project Scope table of this accomplishment plan. The final accomplishment plan report will include the final parcel list.*

### Section 1 - Restore / Enhance Parcel List

#### Aitkin

Name	TRDS	Acres	Est Cost	Existing Protection?
Gun Lake WMA	04825204	340	\$216,600	Yes
Gun Lake WMA	04825204	740	\$363,200	Yes

#### Anoka

Name	TRDS	Acres	Est Cost	Existing Protection?
Blaine Preserve	03123226	4	\$14,800	Yes
Blaine Preserve	03123226	10	\$13,000	Yes
Carlos Avery WMA: Carlos Avery Unit	03322233	600	\$13,400	Yes
Robert and Marilyn Burman WMA	03324223	30	\$33,500	Yes

#### Becker

Name	TRDS	Acres	Est Cost	Existing Protection?
Agassiz-Olson WMA	13939208	150	\$111,800	Yes
Donley-Tilman WPA and others	14142214	22,000	\$5,000	Yes
Hamden Slough NWR	14042210	200	\$1,000	Yes
White Earth 20-1 (Pederson)	14241220	2	\$14,800	Yes
White Earth 20-1 (Pederson)	14241220	5	\$17,800	Yes
White Earth 20-1 (Pederson)	14241220	60	\$15,600	Yes

#### Beltrami

Name	TRDS	Acres	Est Cost	Existing Protection?
Bemidji Slough WMA	14633228	33	\$17,000	Yes
Woodrow Pedicetes WMA	15231227	13	\$5,300	Yes

#### Benton

Name	TRDS	Acres	Est Cost	Existing Protection?
BenLacs WMA: Main Unit	03628213	9	\$19,600	Yes
Glendorado WMA: Main Unit	03628225	12	\$36,300	Yes

#### Big Stone

Name	TRDS	Acres	Est Cost	Existing Protection?
Big Stone 6 NPB	12246206	5	\$7,400	Yes
Bonanza Prairie SNA	12348220	7	\$9,300	Yes
Bonanza Prairie SNA	12348220	40	\$9,500	Yes
Foster 34-1 NPB	12348234	30	\$8,700	Yes
Johnson NPB	12247201	2	\$1,300	Yes
Johnson NPB	12247212	40	\$9,200	Yes
Schellberg NPB	12146201	50	\$9,700	Yes

#### Blue Earth

Name	TRDS	Acres	Est Cost	Existing Protection?
Born WMA	10525224	85	\$134,100	Yes

#### Brown

Name	TRDS	Acres	Est Cost	Existing Protection?
Bashaw WMA: Central Unit	10834221	10	\$11,200	Yes
Cottonwood River Prairie SNA	10935231	35	\$5,700	Yes
Eden North 19-1 NPB	11233219	4	\$9,800	Yes
Linden 6 NPB	10830206	10	\$7,700	Yes
Linden 6 NPB	10830206	23	\$6,500	Yes

## Carver

Name	TRDS	Acres	Est Cost	Existing Protection?
Gravel Pit 1748 WMA	11626220	5	\$2,200	Yes
Raguet WMA	11623236	31	\$3,100	Yes
Schneewind WMA	11625234	15	\$6,700	Yes
Seminary Fen	11623235	8	\$35,400	Yes
Seminary Fen	11623235	20	\$20,000	Yes

## Cass

Name	TRDS	Acres	Est Cost	Existing Protection?
Meadow Brook WMA	13531222	73	\$64,800	Yes

## Chippewa

Name	TRDS	Acres	Est Cost	Existing Protection?
Franko WMA	11639205	50	\$61,500	Yes
Lac qui Parle WMA: Controlled Hunting Zone	11841206	94	\$15,800	Yes
Lac qui Parle WMA: Controlled Hunting Zone	11841206	1,230	\$481,700	Yes
Lac qui Parle WMA: Controlled Hunting Zone	11842213	40	\$22,700	Yes

## Clay

Name	TRDS	Acres	Est Cost	Existing Protection?
Assinaboia	14245220	1	\$7,400	Yes
B-B NPB	14146213	2	\$14,800	Yes
Bicentennial-all units	14145205	1	\$7,400	Yes
Blanket Flower-all units	13744214	1	\$7,400	Yes
Flowing 12-1 NPB	14146212	1	\$7,400	Yes
Flowing 12-1 NPB	14146212	100	\$17,500	Yes
Hoykens WPA	14044220	100	\$500	Yes
Shrike	14245230	1	\$7,400	Yes
Strand N & S NPB	14244219	2	\$14,800	Yes
Ulen 29-1 NPB	14244229	2	\$14,800	Yes

## Clearwater

Name	TRDS	Acres	Est Cost	Existing Protection?
Carter WMA	14838219	18	\$11,200	Yes
Mosquito Creek WMA	14637219	48	\$33,300	Yes

## Cottonwood

Name	TRDS	Acres	Est Cost	Existing Protection?
Bennett WMA	10535224	40	\$16,800	Yes
Bennett WMA	10535224	304	\$44,700	Yes
Budolfson WMA: East Unit	10738230	88	\$78,200	Yes
Carson 5-1 NPB	10635205	2	\$1,500	Yes
Great Bend 29-1 NPB	10536229	2	\$1,000	Yes
Great Bend 9-1 NPB	10536209	4	\$7,200	Yes
Great Bend 9-1 NPB	10536209	26	\$4,500	Yes
Stordon 21-1 NPB	10737221	6	\$5,800	Yes
Stordon 21-1 NPB	10737221	20	\$6,300	Yes
Stordon 4-B NPB	10737204	17	\$6,100	Yes
Talcot Lake WMA	10538219	129	\$119,000	Yes
Wolf Lake WMA: Cottonwood County Unit	10535231	194	\$167,600	Yes
Wolf Lake WMA: Cottonwood County Unit	10535231	1,000	\$6,700	Yes

## Crow Wing

Name	TRDS	Acres	Est Cost	Existing Protection?
Poor Farm WMA	04431224	15	\$24,600	Yes

## Dakota

Name	TRDS	Acres	Est Cost	Existing Protection?
Chimney Rock	11417231	4	\$10,400	Yes
Chimney Rock	11417231	5	\$10,700	Yes
Gores Pool #3 WMA	11416210	40	\$16,800	Yes

## Dodge

Name	TRDS	Acres	Est Cost	Existing Protection?
Faribault WMA	10516214	160	\$152,000	Yes
McMartin WMA	10717225	15	\$12,600	Yes
Naylor WMA: Main Unit	10717225	100	\$22,400	Yes
Pheasants Forever WMA	10717217	60	\$55,900	Yes
Pheasants Fo rever WMA	10717217	60	\$55,900	Yes

## Douglas

Name	TRDS	Acres	Est Cost	Existing Protection?
Lund 21-1 NPB	13040221	2	\$14,800	Yes
Lund 2-1 NPB	13040202	2	\$14,800	Yes

## Fillmore

Name	TRDS	Acres	Est Cost	Existing Protection?
Beaver Creek WMA	10113221	800	\$106,200	Yes
Cherry Grove WMA	10112203	78	\$6,400	Yes
Choice WMA	10208201	60	\$59,200	Yes
Choice WMA	10208211	50	\$176,600	Yes
Choice WMA	10208214	45	\$27,800	Yes
Dr. Johan C. Hvoslef WMA	10209226	12	\$18,400	Yes
Goethite WMA	10213223	7	\$12,900	Yes
Goethite WMA	10213223	27	\$24,000	Yes
Nosek WMA	10113224	20	\$52,500	Yes
Pin Oak Prairie	10412224	20	\$48,500	Yes
Rushford Complex	10408214	100	\$118,300	Yes
Upper Iowa River WMA	10113231	12	\$14,300	Yes

## Freeborn

Name	TRDS	Acres	Est Cost	Existing Protection?
Ann & Leo Donahue WMA	10122211	112	\$9,400	Yes
Wo Wacintanka WMA	10419216	11	\$23,900	Yes
Wo Wacintanka WMA	10419216	60	\$39,100	Yes

## Goodhue

Name	TRDS	Acres	Est Cost	Existing Protection?
Cannon River Turtle Preserve	11316224	15	\$10,200	Yes
Cannon River Turtle Preserve	11316224	20	\$85,400	Yes
River Terrace Prairie	11217201	10	\$20,500	Yes
Spring Creek Prairie	11315234	32	\$132,600	Yes

## Grant

Name	TRDS	Acres	Est Cost	Existing Protection?
Blakesley WMA	12843233	5	\$13,400	Yes
Blakesley WMA	12843233	10	\$13,400	Yes
Blakesley WMA	12843233	190	\$62,000	Yes
Elk Lake 19-1 (Lien)	12841219	1	\$7,400	Yes
Elk Lake 19-1 (Lien)	12841219	5	\$11,700	Yes
Elk Lake 19-1 (Lien)	12841219	10	\$9,200	Yes
Olsen NPB	12841206	2	\$14,800	Yes
Woodke A & B NPB	12741232	1	\$7,400	Yes

## Hennepin

Name	TRDS	Acres	Est Cost	Existing Protection?
Wolsfeld Woods	11823227	23	\$21,100	Yes
Wood-Rill	11823236	18	\$20,900	Yes

## Houston

Name	TRDS	Acres	Est Cost	Existing Protection?
Chisholm Valley WMA	10307204	10	\$6,700	Yes
Chisholm Valley WMA	10307204	10	\$30,200	Yes
Ferndale Ridge WMA	10407232	22	\$33,200	Yes
Ferndale Ridge WMA	10407232	63	\$223,500	Yes
Hokah Complex	10405234	100	\$100,300	Yes
Jefferson complex	10104219	170	\$164,100	Yes
Reno complex	10104202	100	\$64,300	Yes
Vinegar Ridge Complex	10407215	80	\$102,600	Yes
Wetbark Complex	10307211	50	\$64,100	Yes

## Hubbard

Name	TRDS	Acres	Est Cost	Existing Protection?
Badoura	13932210	1	\$7,400	Yes

## Jackson

Name	TRDS	Acres	Est Cost	Existing Protection?
Belmont 5-1 NPB	10335206	40	\$5,200	Yes
Des Moines Prairie SNA	10435219	49	\$8,000	Yes

## Kandiyohi

Name	TRDS	Acres	Est Cost	Existing Protection?
Cabinrock WMA	12236232	50	\$50,300	Yes
Follies WMA	12234202	60	\$70,400	Yes
Regal Meadows WMA	12233206	82	\$101,300	Yes
Willmar WMA	12035236	29	\$11,200	Yes

## Kittson

Name	TRDS	Acres	Est Cost	Existing Protection?
Beaches Lake WMA: Main South East Unit	15744212	500	\$82,700	Yes
Lake Bronson -all	16146225	1	\$7,400	Yes
Lake Bronson -all	16146225	20	\$18,000	Yes
Norway 1 (Becken)	16046201	1	\$17,600	Yes
Norway 1 (Becken)	16046201	40	\$16,100	Yes

## Lac qui Parle

Name	TRDS	Acres	Est Cost	Existing Protection?
Camp Release 32 NPB	11741205	40	\$9,200	Yes
Odden NPB	11645216	5	\$6,000	Yes
Odden NPB	11645216	20	\$6,500	Yes
YellowBank Hills SNA	11846202	30	\$8,000	Yes

## Lac Qui Parle

Name	TRDS	Acres	Est Cost	Existing Protection?
25th Anniversary WMA	11742204	110	\$60,300	Yes

## Lincoln

Name	TRDS	Acres	Est Cost	Existing Protection?
Bosque WMA	11244236	26	\$134,100	Yes
Schindel WMA	10946222	25	\$8,400	Yes

## Lyon

Name	TRDS	Acres	Est Cost	Existing Protection?
Area wide	11042231	200	\$178,800	Yes
Buetiful Acres	11141232	168	\$36,900	Yes
Buetiful Acres WMA	11141232	168	\$8,400	Yes
Custer 15-1 NPB	10941215	2	\$1,500	Yes
Custer 15 NPB	10941215	48	\$9,200	Yes
Gabriel Anderson WMA	11340206	10	\$5,600	Yes
Grandview WMA	11242218	128	\$33,500	Yes
Grandview WMA	11242218	128	\$33,500	Yes
Lyon/Lynd NPB	11142236	1	\$1,100	Yes
Lyon's WMA	11042226	130	\$11,200	Yes
Rolling Hills WMA	11140206	19	\$6,400	Yes
Sodus WMA	10942201	31	\$7,300	Yes

## Mahnomon

Name	TRDS	Acres	Est Cost	Existing Protection?
Popple Grove 36-1 (Revier)	14342236	20	\$13,600	Yes
Santee	14541206	1	\$7,400	Yes

## Marshall

Name	TRDS	Acres	Est Cost	Existing Protection?
Marsh Grove 36-1 NPB	15645236	1	\$7,400	Yes

## McLeod

Name	TRDS	Acres	Est Cost	Existing Protection?
Bakers Lake WMA	11429217	195	\$114,000	Yes
Halva Marsh WMA	11628219	56	\$50,300	Yes

## Meeker

Name	TRDS	Acres	Est Cost	Existing Protection?
Butternut WMA: North Unit	11932219	15	\$22,400	Yes
Daniel Shay WMA	11826201	1,728	\$2,200	Yes

## Mille Lacs

Name	TRDS	Acres	Est Cost	Existing Protection?
Kunkel WMA	03627235	330	\$22,100	Yes
Mille Lacs WMA	04125229	100	\$127,400	Yes

## Morrison

Name	TRDS	Acres	Est Cost	Existing Protection?
Aurzada Prairie WMA	12733209	1,000	\$2,800	Yes
Aurzada Prairie WMA	12735204	892	\$2,300	Yes
Crane Meadows WMA	03931203	5	\$7,800	Yes
Little Elk WMA	13031219	45	\$38,000	Yes

## Mower

Name	TRDS	Acres	Est Cost	Existing Protection?
Aurora WMA	10114205	1,000	\$70,400	Yes
Wild Indigo SNA	10317212	20	\$61,000	Yes

## Murray

Name	TRDS	Acres	Est Cost	Existing Protection?
Budolfson WMA and others	10739225	1,806	\$36,900	Yes
Holly 2-1 NPB	10839202	3	\$1,000	Yes
Plum Creek WMA	10839215	63	\$56,300	Yes

## Norman

Name	TRDS	Acres	Est Cost	Existing Protection?
Prairie Smoke Dunes	14644217	1	\$7,400	Yes
Sandpiper	14445233	1	\$7,400	Yes

## Olmsted

Name	TRDS	Acres	Est Cost	Existing Protection?
Gordon W. Yeager WMA: Nelson Unit	10515204	64	\$117,300	Yes
Gordon W. Yeager WMA: Nelson Unit	10515204	65	\$83,800	Yes
Gordon W. Yeager WMA: Nelson Unit	10515204	180	\$107,300	Yes
Gordon W. Yeager WMA: Nelson Unit	10515222	200	\$44,700	Yes
Oronoco Prairie	10814222	2	\$5,100	Yes
Oronoco Prairie	10814222	5	\$8,700	Yes

## Otter Tail

Name	TRDS	Acres	Est Cost	Existing Protection?
Nidaros 21-1 NPB	13239221	2	\$14,800	Yes
Ottertail Prairie	13144217	1	\$7,400	Yes
Wallace NPB	13140235	2	\$14,800	Yes

## Pipestone

Name	TRDS	Acres	Est Cost	Existing Protection?
Prairie Co teau SNA	10844232	30	\$8,000	Yes

## Polk

Name	TRDS	Acres	Est Cost	Existing Protection?
Agassiz Dunes Trust Fund	14844230	1	\$7,400	Yes
Agassiz Dunes Trust Fund	14844230	20	\$13,600	Yes
Chicog WMA	14745216	440	\$82,700	Yes
Crookston	14944213	30	\$26,900	Yes
Foxboro	14845203	2	\$14,800	Yes
Foxboro	14845203	20	\$24,100	Yes
Garfield 30-1	14744230	5	\$19,000	Yes
Garfield 30-1	14744230	40	\$14,600	Yes
Godfrey 7-1	14844207	1	\$7,400	Yes
Godfrey 7-1	14844207	75	\$16,300	Yes
Gully Fen	15039223	1	\$7,400	Yes
Maple Meadows WMA	14844215	303	\$44,700	Yes

Pope

Name	TRDS	Acres	Est Cost	Existing Protection?
Blue Mounds 10-1 NPB	12439210	2	\$14,800	Yes
Eldorado WMA	12337234	160	\$6,900	Yes
John A. Scharf Memorial WMA	12337234	12	\$7,900	Yes
Lake Johanna 31-2 NPB	12335231	2	\$14,800	Yes
Langhei Prairie	12339232	1	\$7,400	Yes
Lowry WMA: North East Unit	12639223	20	\$6,100	Yes
Minnewaska 1-1 (Wittwer)	12538201	2	\$14,800	Yes
Minnewaska 1-1 (Wittwer)	12538201	40	\$14,600	Yes
Minnewaska 1-1 (Wittwer)	12538201	40	\$25,100	Yes
Selix NPB	12439209	2	\$14,800	Yes

Red Lake

Name	TRDS	Acres	Est Cost	Existing Protection?
Lake Pleasant 22-1 NPB	15044222	2	\$14,800	Yes

Redwood

Name	TRDS	Acres	Est Cost	Existing Protection?
Cedar Rock SNA	11336203	22	\$61,600	Yes
Cedar Rock WMA: South East Unit	11336203	50	\$89,400	Yes
Delhi 14-1 NPB	11336214	30	\$61,700	Yes
Faxvog WMA	11238221	30	\$19,000	Yes
Faxvog WMA	11238221	31	\$16,800	Yes
Lamberton 15-1 NPB	10937215	4	\$1,000	Yes
Phyllis Voosen WMA	11238219	90	\$83,800	Yes
Sheridan WMA: South Unit	11237213	20	\$11,200	Yes
Tiger Lake WMA: Dahlberg Unit	11335228	50	\$26,800	Yes
Waukon Rim WMA	11335219	45	\$27,900	Yes

Renville

Name	TRDS	Acres	Est Cost	Existing Protection?
Boon Lake WMA	11631204	160	\$53,600	Yes
Morton Outcrops SNA	11334231	10	\$21,000	Yes
Whispering Ridge WMA	11436229	50	\$111,800	Yes

Rice

Name	TRDS	Acres	Est Cost	Existing Protection?
Circle Lake WMA	11121209	100	\$85,800	Yes

Roseau

Name	TRDS	Acres	Est Cost	Existing Protection?
Roseau River WMA	16343217	252	\$21,200	Yes
Two Rivers Aspen Parklands	16044217	1	\$7,400	Yes
Two Rivers Aspen Parklands	16044217	130	\$43,400	Yes

Scott

Name	TRDS	Acres	Est Cost	Existing Protection?
Bradshaw Lake WMA	11321211	27	\$3,000	Yes
Bradshaw Lake WMA	11321211	320	\$2,500	Yes
Bradshaw Lake WMA	11321211	380	\$5,700	Yes
Bradshaw Lake WMA	11321211	540	\$3,900	Yes
Bradshaw Lake WMA	11322215	5	\$2,200	Yes
Bradshaw Lake WMA	11322215	7	\$3,400	Yes
Bradshaw Lake WMA	11322215	14	\$6,300	Yes
Bradshaw Lake WMA	11322215	18	\$5,600	Yes
Bradshaw Lake WMA	11322215	22	\$4,400	Yes
Bradshaw Lake WMA	11322215	25	\$8,900	Yes
Bradshaw Lake WMA	11322215	40	\$20,600	Yes
Bradshaw Lake WMA	11322215	42	\$3,500	Yes
Clark Lake WMA	11323219	20	\$20,250	Yes
Clark Lake WMA	11325221	7	\$3,100	Yes
Marsh WMA	11323219	12	\$5,800	Yes
Michel Marsh WMA	11324227	15	\$6,700	Yes
Ney WMA	11325230	10	\$4,500	Yes
Ney WMA	11325230	20	\$8,900	Yes
Ney WMA	11325230	21	\$8,900	Yes
PF - Module #1 WMA	11325234	5	\$2,200	Yes
Pheasants Forever #3 WMA	11324221	9	\$10,600	Yes
Raven WMA	11324232	20	\$8,900	Yes
Savage Fen	11521217	10	\$24,700	Yes
Savage Fen	11521217	35	\$146,700	Yes

Sherburne

Name	TRDS	Acres	Est Cost	Existing Protection?
Uncas Dunes	03427221	10	\$4,700	Yes

Stearns

Name	TRDS	Acres	Est Cost	Existing Protection?
Mohs WMA	12535209	50	\$55,900	Yes

Stearns

Name	TRDS	Acres	Est Cost	Existing Protection?
Crow River WMA	11929201	200	\$27,900	Yes
Crow River WMA	12332227	300	\$7,800	Yes
Crow River WMA	12334228	75	\$19,000	Yes
Edward Raymond Mohs WMA	12335209	50	\$8,400	Yes
Partners WMA	12024217	100	\$55,900	Yes
Sedan Brook Prairie	12435217	17	\$40,300	Yes

Steele

Name	TRDS	Acres	Est Cost	Existing Protection?
Somerset WMA	10720229	80	\$89,400	Yes
Somerset WMA	10720229	80	\$89,400	Yes

Stevens

Name	TRDS	Acres	Est Cost	Existing Protection?
Alberta WMA: South East Unit	12443234	65	\$24,000	Yes
Benson WMA	12541236	40	\$5,600	Yes
Verlyn Marth	12642206	1	\$7,400	Yes

Swift

Name	TRDS	Acres	Est Cost	Existing Protection?
Fairfield 31-1 NPB	12242231	6	\$1,800	Yes

Todd

Name	TRDS	Acres	Est Cost	Existing Protection?
Hartford WMA	13033224	22	\$56,400	Yes
Ireland WMA	12832227	20	\$33,500	Yes
Kobliska WMA: Main Unit	13132204	41	\$124,000	Yes
Kobliska WMA: Main Unit	13132204	73	\$124,000	Yes
Ostendorff WMA	12732204	16	\$34,600	Yes
Owen-Hinz WMA	12835212	35	\$125,200	Yes
Santer WMA	12835202	51	\$154,200	Yes
Santer WMA	12835202	52	\$89,400	Yes

Traverse

Name	TRDS	Acres	Est Cost	Existing Protection?
Fibranz NPB	12647206	2	\$14,800	Yes
Walls 18-1 NPB	12647218	2	\$14,800	Yes
Walls 7-1 NPB	12647207	2	\$14,800	Yes
Walls 7-2 NPB	12647207	2	\$14,800	Yes
Walls 8-1 (Drinkwitz)	12647208	2	\$14,800	Yes
Walls 8-1 (Drinkwitz)	12647208	30	\$10,200	Yes
Windsor 13-1 NPB	12648213	2	\$14,800	Yes

Wabasha

Name	TRDS	Acres	Est Cost	Existing Protection?
Kellogg Weaver Dunes	10909206	100	\$29,900	Yes
Kellogg Weaver Dunes	10909206	125	\$146,700	Yes
Mc Carthy Lake WMA	11010235	4	\$3,700	Yes

Washington

Name	TRDS	Acres	Est Cost	Existing Protection?
Bayport WMA	02920222	25	\$8,900	Yes
Bayport WMA	02920222	27	\$25,100	Yes
St. Croix Savanna	02920215	7	\$17,300	Yes

Wilkin

Name	TRDS	Acres	Est Cost	Existing Protection?
Atherton 5-1 NPB	13646205	1	\$7,400	Yes
Atherton 5-1 NPB	13646205	1	\$10,500	Yes
Bilden NPB	13545215	1	\$7,400	Yes
Rogers NPB	13746227	1	\$7,400	Yes
Tanberg 20-1 NPB	13545220	2	\$14,800	Yes
Tanberg 20-1 NPB	13545220	75	\$16,300	Yes
Tanberg 21-1 (Beckman)	13545221	1	\$7,400	Yes
Tanberg 21-1 (Beckman)	13545221	30	\$14,100	Yes
Tanberg 29-2 NPB	13545229	2	\$14,800	Yes
Tanberg 29-2 NPB	13545229	75	\$16,300	Yes
Tanberg 33-1 (Craig Ouse)	13545233	5	\$20,800	Yes
Tanberg 33-1 (Craig Ouse)	13545233	10	\$33,200	Yes
Tanberg 33-1 (Craig Ouse)	13545233	60	\$15,600	Yes

Winona

Name	TRDS	Acres	Est Cost	Existing Protection?
Whitewater WMA: Main Branch Unit	10809205	22	\$34,600	Yes
Whitewater WMA: Main Branch Unit	10810211	600	\$24,600	Yes
Whitewater WMA: Main Branch Unit	10810226	600	\$22,400	Yes

Wright

Name	TRDS	Acres	Est Cost	Existing Protection?
Pelican Lake WMA	12024215	80	\$29,100	Yes



## Yellow Medicine

Name	TRDS	Acres	Est Cost	Existing Protection?
Antelope Valley SNA	11444214	30	\$8,000	Yes
Antelope Valley SNA	11444214	35	\$8,200	Yes
Antelope Valley SNA	11444214	40	\$18,000	Yes
MN Falls 10-1 NPB	11539210	5	\$1,000	Yes
MN Falls 3-1 NPB	11539203	10	\$2,100	Yes
Mo und Spring Prairie SNA	11546217	10	\$22,000	Yes
Mo und Spring Prairie SNA	11546217	50	\$7,500	Yes
Mo und Spring Prairie SNA	11546218	70	\$8,500	Yes
Swede Forest SNA	11438213	17	\$53,300	Yes

### Section 2 - Protect Parcel List

No parcels with an activity type protect.

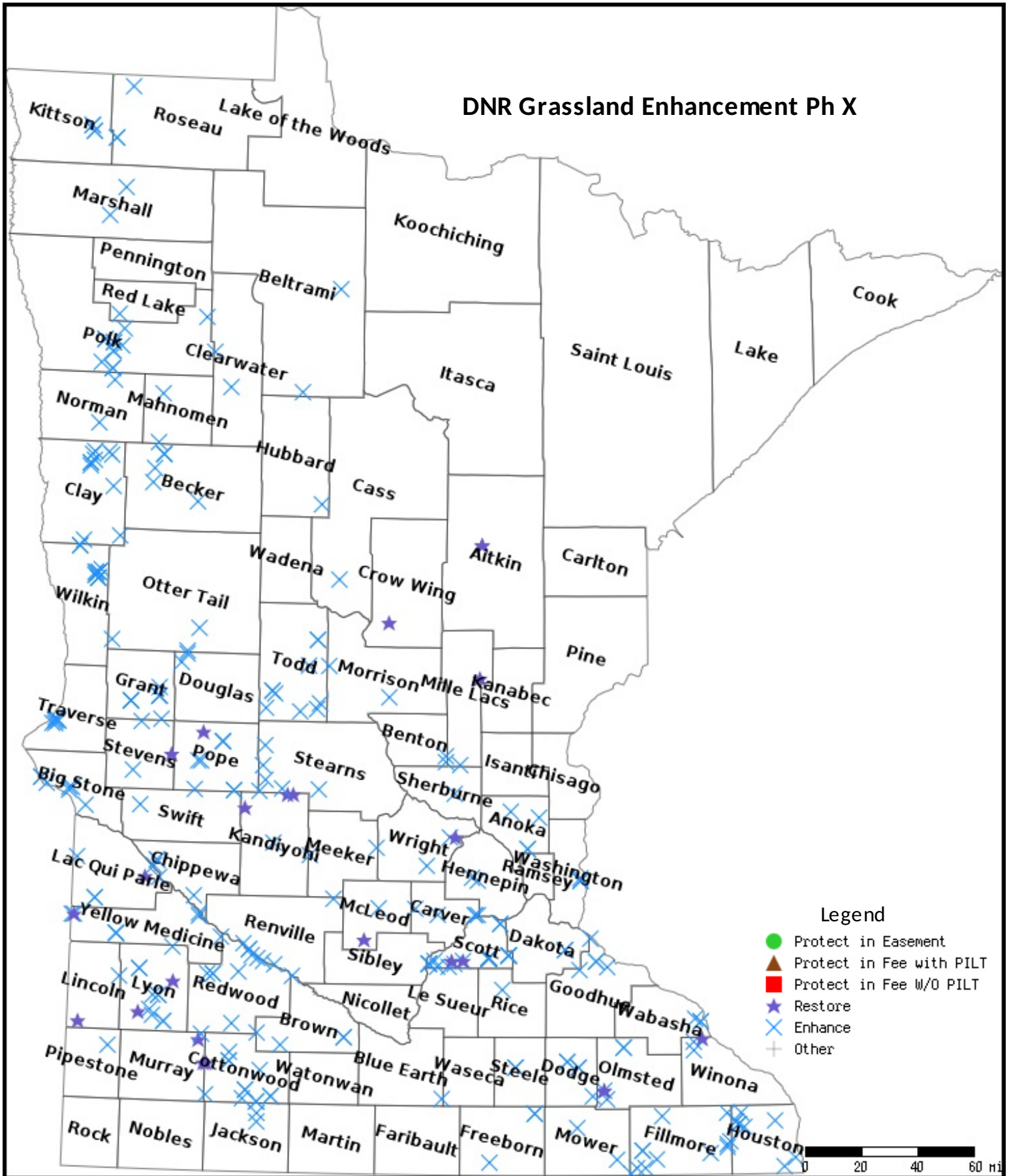
### Section 2a - Protect Parcel with Bldgs

No parcels with an activity type protect and has buildings.

### Section 3 - Other Parcel Activity

No parcels with an other activity type.

# Parcel Map



Data Generated From Parcel List