

# Lessard-Sams Outdoor Heritage Council

## Fiscal Year 2017 / ML 2016 Request for Funding



**Date:** June 04, 2015

**Program or Project Title:** DNR Grassland - Phase 8

**Funds Requested:** \$9,107,100

**Manager's Name:** Greg Hoch

**Organization:** DNR Wildlife

**Address:** 500 Lafayette Rd

**City:** St. Paul, MN 55155

**Office Number:** 651-259-5230

**Mobile Number:** 218-443-0476

**Email:** greg.hoch@state.mn.us

**County Locations:** Anoka, Becker, Beltrami, Benton, Big Stone, Blue Earth, Brown, Chippewa, Clay, Clearwater, Cottonwood, Dakota, Dodge, Douglas, Faribault, Fillmore, Goodhue, Grant, Houston, Hubbard, Jackson, Kandiyohi, Karlstad, Kittson, Lac Qui Parle, Lyon, Mahnomon, Marshall, Mille Lacs, Mower, Murray, Nobles, Norman, Olmsted, Otter Tail, Pipestone, Polk, Pope, Red Lake, Redwood, Renville, Roseau, Sherburne, Stearns, Stevens, Swift, Traverse, Wabasha, Wadena, Washington, Wilkin, Winona, Wright, and Yellow Medicine.

### Regions in which work will take place:

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

### Activity types:

- Restore
- Enhance

### Priority resources addressed by activity:

- Prairie

### Abstract:

We propose continued efforts to restore and enhance prairies, grasslands, and savannas on state protected lands (WMA, SNA, Native Prairie Bank) as well as on bluff prairies on State Forest lands in southeastern Minnesota.

### Design and scope of work:

Minnesota's Wildlife Management Area system covers over 1.3 million acres of habitat across 1400 WMAs protected and managed by the DNR. Minnesota's Scientific and Natural Area program currently administers over 220 natural areas totaling 215,600 acres and 100 Native Prairie Bank easements.

Enhancing existing acres and restoring new acres in the WMA system are core management principles of the DNR. These WMAs provide diverse food and cover for local and migratory wildlife, as well as pollinators. Restoration and enhancement practices being used with this proposal have been proven to provide desired outcomes on existing state-managed lands and reflect the most current science in the areas of habitat management and restoration ecology. Through this funding, the state will accelerate restoration and enhancement habitat improvements on state land and lands protected by permanent easement. This will provide improved critical wildlife habitat and a more functional prairie landscape. Habitat improvement actions enhance existing degraded habitat to directly increase the productivity of nesting habitat for pheasants, waterfowl and a variety of non-game grassland species such as meadowlarks, longspurs, Species of Greatest Conservation Need and a suite of critical pollinator species.

In recent years almost every species of wildlife dependent on grasslands and prairies has declined. Since 2007, Minnesota has lost

530,000 acres of CRP. Uncounted acres of native prairie have also been lost.

The following are taken from the DNR's 2014 Status of Wildlife Populations Report. Waterfowl: "The estimate of total duck abundance... was 31% lower than last year's estimate...and was 25% below the 10-year average and 24% below the long-term average." Pheasants: "The 2014 range-wide pheasant index (28.7 birds/100 mi) increased 6% from 2013 but was 58% below the 10-year average and 71% below the long-term average." From the 2014 State of the Birds Report: "Eastern grassland birds (such as Eastern Meadowlark and Bobolink) have continued a steady and precipitous decline." The Dakota Skippers and Poweshiek skipperlings are now federally listed, the decline in honeybees monarch butterflies have generated national media attention.

Aquatic habitats in western Minnesota are also declining. Studies by the University of Minnesota and the MPCA have shown links to water quality and grassland habitat. Restoration of new grasslands and enhancement of existing grasslands is crucial to changing these declines in wildlife populations and water quality.

Although Minnesota DNR has the training and knowledge to restore high quality prairie vegetation current funding has been insufficient to meet all needs. Many sites on state lands are currently not being actively managed to full potential. Furthermore exotic and/or invasive plants are encroaching into them. Tree encroachment is an especially troublesome problem. Enhancement and restoration of prairie requires periodic disturbance such as prescribed burning, conservation grazing, and haying. Harvesting and using high quality seed from established prairie sites to plant at nearby locations has proven to be highly cost-effective and ensures the use of local ecotype seed.

WMA Habitat Work (approximately 93,000 acres over 5 years) – Total \$4,186,255

Grassland restoration and enhancement work will be through techniques such as brush and tree removal, bareground seeding, grassland conversion, chemical treatment, mowing, and prescribed fire. Seed will be obtained via harvesting of local native or restored prairie when possible and purchase of seed from vendors when necessary (following Operational Order 124). DNR will contract much of this work. Seed mixes used for prairie restoration and enhancement will be adequately diverse to provide pollinator habitat throughout the growing season. All other work will be done using Best Management Practices to ensure pollinator habitat consistent with MN Statute 84.973.

Ecological and Water Resources Habitat Work (approximately 5,387 acres over 5 years) – Total \$1,692,015

Restoration of prairie will occur on 387 acres of severely altered lands by reconstructing native plant communities suitable to that location and soil type. These restorations are either in-holdings within a native prairie, or lands adjacent to a native prairie. Seed will be collected from native prairies adjacent to the restorations or purchased from vendors with local seed sources. Seed mixes will be adequately diverse to provide pollinator habitat throughout the growing season. These restorations will expand existing prairie habitat and buffer native prairies from the impacts of adjacent land uses. Funding requested for restoration projects will cover all costs and activities associated with reconstructing a prairie including project design, seedbed preparation, seed harvest, seed installation, and first year weed control. Prairie enhancement activities will be implemented on 6510 acres of existing SNA's, State Forest Land and Prairie Bank Easement sites. Funding requested for enhancement projects will cover all project costs and activities including project design, contract administration, staff time, equipment and supplies. These enhancement activities will focus on native prairies, but may include some restored prairies within the project sites. Many of these native prairie sites harbor rare and unique features, or are located on steep terrain, which require low impact management techniques (e.g. hand cutting of woody encroachment). These specialized prairie management techniques, and the skilled crews that implement them, can incur higher costs than similar lower diversity grassland projects.

WMA Roving Crews (approximately 32,000 acres over 4 years) - \$2,111,000

WMA Roving Crews have proven to be an effective means to accomplish supplemental habitat work. We currently have three WMA Roving Crews working in Minnesota funded through four separate Outdoor Heritage Fund appropriations (two grassland and two wetland appropriations). We propose funding for 75% (upland/prairie) of the DNR Region 1 Roving crew for four years. These crews will spend approximately 15% of their time on restoration projects and 85% on enhancement projects.

Program managers may add, delete, and substitute projects on the approved 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.

## Crops:

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

Explain

The primary purposes of WMAs are to develop and manage for the production of wildlife and for compatible outdoor recreation. To fulfill those goals, the DNR may use limited farming specifically to enhance or benefit the management of state lands for wildlife.

This proposal may include initial development plans or restoration plans to utilize farming to prepare previously farmed sites for native plant seeding. This is a standard practice across the Midwest to prepare the seedbed for native seed planting. On a small percentage of WMAs (less than 2.5%), DNR uses farming to provide a winter food source for a variety of wildlife species in agriculture-dominated landscapes largely devoid of winter food sources.

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

### **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 and prairies are the most endangered habitats in Minnesota. Less than two percent of the native prairie remains and lands in CRP and related programs have been lost at alarming rates in recent years. Minnesota's four Prairie Subsections contain between 78 and 116 Species of Greatest Conservation Need (SGCN). Of those species, 88 and 91% are listed due to Habitat Loss and Habitat Degradation respectively. Minnesota prairies are also home to the federally listed Dakota Skipper and Poweshiek's skipperling. Streams in southwestern Minnesota, where water quality is dependent on surrounding land use, are home to the federally listed Topeka shiner. Nationally, grassland nesting songbirds continue to be described as the most threatened group of birds in the country.

Minnesota also has a strong hunting heritage, especially of waterfowl and upland game such as prairie-chickens and pheasants. However, populations of all of these game species as well as hunter harvests have declined dramatically in recent years.

Fortunately, all of these species respond readily to grassland restoration and management.

### **What is the nature of urgency and why it is necessary to spend public money for this work as soon as possible:**

Minnesota has lost hundreds of thousands of acres of prairie and grassland in recent years. To sustain robust populations of many wildlife species, we will need to restore as many acres as possible and make sure the existing acres are highly productive.

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

This project is informed by the best available science for management techniques (prescribed burning, woody removal, etc) for improving habitat for grassland wildlife. The proposal also relies heavily on science-based landscape planning such as the MN Prairie Conservation Plan, Prairie Pothole Joint Venture, and others.

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

- H3 Improve connectivity and access to recreation
- H5 Restore land, wetlands and wetland-associated watersheds

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

- Minnesota Prairie Conservation Plan
- forthcoming Pheasant Summit Action Plan

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

#### **Prairie:**

- Protect, enhance, or restore existing wetland/upland complexes, or convert agricultural lands to new wetland/upland habitat complexes

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

- Protect, enhance, and restore wild rice wetlands, shallow lakes, wetland/grassland complexes, aspen parklands, and shoreland that provide critical habitat for game and nongame wildlife

#### **Northern Forest:**

- Not Listed

#### **Metro / Urban:**

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

**Southeast Forest:**

- Protect, enhance, and restore remnant goat prairies

**Relationship to other funds:**

- Not Listed

**How does this proposal accelerate or supplement your current efforts in this area:**

These restoration and enhancement plans for work on Wildlife Management Areas, Scientific and Natural Areas, State Forest Land and Native Prairie Bank sites are supplemental to normal work load by area wildlife managers and DNR staff. Private Landowners who own land protected by perpetual easement that provide no enhancement money will be able to realize these same benefits. State Wildlife Management Areas, in particular, will benefit by the restoration and enhancement efforts provided by the three Regional Roving Crews and Regional Project Coordinators.

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

Appropriation Year	Source	Amount
2012	Game and Fish (wildlife operations)	18,082,000
2012	Dedicated Account Funds (pheasant stamp, duck stamp, etc)	4,013,000
2012	heritage enhancement acct (includes \$135,000 in NPB funds)	3,079,000
2012	environmental and natural resources trust fund (EWR)	256,000
2013	Game and Fish	20,544,000
2013	Dedicated Account Funds	5,414,000
2013	heritage enhancement acct	3,957,000
2013	ENRTF (EWR)	255,000

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

**WMA's**

Routine maintenance will be accomplished by Area Wildlife staff as part of their public land management responsibilities within future operating budgets. Periodic enhancements such as invasive species removal, prescribed burning, or supplemental plantings will be accomplished through annual funding requests from a variety of funding sources including but not limited to Game and Fish Fund, Bonding, Gifts, Federal Sources, Environmental Trust Fund, and Outdoor Heritage Fund. Accomplishments will result from the use of DNR staff and equipment and through contracts with private and public vendors.

**SNA's**

The Division of Ecological and Water Resources and its protection, restoration, and enhancement activities are supported largely by special project funds. The ongoing maintenance of SNA administered lands requires the program to continually seek additional funds to perform its mission. In the future the SNA program will continue to seek Outdoor Heritage Funds as well as other project appropriations to protect, restore, and enhance natural areas. Accomplishments will result from the use of extant personnel and equipment and through contracts with private and public vendors.

**State Forest Lands**

Bluff prairie integrity will be sustained through projects enacted as the result of continuing inter-divisional coordination.

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

Year	Source of Funds	Step 1	Step 2	Step 3
2019	those listed above	monitor initially completed enhancement projects, roving crew projects	document successes, problems, needs	determine capacity for traditional funds to meet needs
2020-21	those listed above	monitor completed restoration parcels	document successes, problems, needs	determine capacity for traditional funds to meet needs
2022 and beyond	those listed above	continue long-term monitoring of sites	document and adjust practices as needed	determine capacity for traditional funds to meet needs, future OHF and ENRTF funds for supplemental needs

### Activity Details:

If funded, this proposal will meet all applicable criteria set forth in MS 97A.056 - **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, SNA, State Forests, Native Prairie Bank Easement)**

### Accomplishment Timeline:

Activity	Approximate Date Completed
WMA Restore/Enhance work (excluding Roving Crew)	6/30/2021
SNA and NPB Restore/Enhance work	6/30/2021
WMA Enhance (Roving Crew)	6/30/2020

### Federal Funding:

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

### Outcomes:

#### Programs in the northern forest region:

- Not Listed

#### Programs in forest-prairie transition region:

- Protected, restored, and enhanced nesting and migratory habitat for waterfowl, upland birds, and species of greatest conservation need *These projects involve the general health and productivity of grasslands for all grass-dependent wildlife. Measures will include wildlife surveys done by DNR staff within EWR, Research and Habitat programs.*

#### Programs in metropolitan urbanizing region:

- Not Listed

#### Programs in southeast forest region:

- Remnant goat prairies are perpetually protected *DNR Area Staff and DNR EWR staff will be primarily in charge of monitoring these sites.*

#### Programs in prairie region:

- Restored and enhanced upland habitats *There are already several long-term monitoring projects under the MN Prairie Conserv Plan. These data are collected by DNR EWR, DNR Research, DNR Habitat Teams, TNC, and USFWS.*

# Budget Spreadsheet

**Total Amount of Request: \$9,107,100**

## Budget and Cash Leverage

Budget Name	LSOHC Request	Anticipated Leverage	Leverage Source	Total
Personnel	\$2,050,400	\$0		\$2,050,400
Contracts	\$4,334,400	\$0		\$4,334,400
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	\$656,900	\$0		\$656,900
Professional Services	\$0	\$0		\$0
Direct Support Services	\$684,700	\$0		\$684,700
DNR Land Acquisition Costs	\$0	\$0		\$0
Capital Equipment	\$25,000	\$0		\$25,000
Other Equipment/Tools	\$39,400	\$0		\$39,400
Supplies/Materials	\$1,316,300	\$0		\$1,316,300
DNR IDP	\$0	\$0		\$0
Total	\$9,107,100	\$0	-	\$9,107,100

## Personnel

Position	FTE	Over # of years	LSOHC Request	Anticipated Leverage	Leverage Source	Total
Roving Crew (supervisor + 5 laborers)	6.00	4.00	\$1,509,000	\$0		\$1,509,000
EWR (coordinator + specialist + laborers)	2.10	4.00	\$541,400	\$0		\$541,400
Total	8.10	8.00	\$2,050,400	\$0	-	\$2,050,400

## Capital Equipment

Item Name	LSOHC Request	Anticipated Leverage	Leverage Source	Total
mounted sprayer	\$25,000	\$0		\$25,000
Total	\$25,000	\$0	-	\$25,000

Amount of Request: \$9,107,100

Amount of Leverage: \$0

Leverage as a percent of the Request: 0.00%

## Output Tables

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

Type	Wetlands	Prairies	Forest	Habitats	Total
Restore	0	1,323	0	0	1,323
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	107,001	0	0	107,001
Total	0	108,324	0	0	108,324

**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 Requested Funding by Resource Type**

Type	Wetlands	Prairies	Forest	Habitats	Total
Restore	\$0	\$1,039,900	\$0	\$0	\$1,039,900
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	\$8,067,200	\$0	\$0	\$8,067,200
Total	\$0	\$9,107,100	\$0	\$0	\$9,107,100

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

Type	Metro/Urban	Forest/Prairie	SE Forest	Prairie	Northern Forest	Total
Restore	65	260	70	850	78	1,323
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	1,752	13,881	1,372	89,278	718	107,001
Total	1,817	14,141	1,442	90,128	796	108,324

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

Type	Metro/Urban	Forest/Prairie	SE Forest	Prairie	Northern Forest	Total
Restore	\$7,000	\$436,000	\$67,500	\$480,600	\$48,800	\$1,039,900
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	\$313,100	\$2,231,100	\$766,600	\$4,664,300	\$92,100	\$8,067,200
Total	\$320,100	\$2,667,100	\$834,100	\$5,144,900	\$140,900	\$9,107,100

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

Type	Wetlands	Prairies	Forest	Habitats
Restore	\$0	\$786	\$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	\$75	\$0	\$0

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

Type	Metro/Urban	Forest/Prairie	SE Forest	Prairie	Northern Forest
Restore	\$108	\$1,677	\$964	\$565	\$626
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	\$179	\$161	\$559	\$52	\$128

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

0

## Parcel List

### Section 1 - Restore / Enhance Parcel List

#### Anoka

Name	TRDS	Acres	Est Cost	Existing Protection?
Blaine Preserve	03123226	5	\$7,500	Yes
Blaine Preserve	03123226	8	\$26,500	Yes
Blaine Preserve	03123226	10	\$12,100	Yes
Carlos Avery WMA	03322233	600	\$3,000	yes

#### Becker

Name	TRDS	Acres	Est Cost	Existing Protection?
Detroit Lakes area WMAs	13939208	125	\$4,200	yes
Detroit Lakes area WMAs	13939208	3,500	\$4,000	yes
Detroit Lakes area WMAs	14141206	650	\$130,000	yes
White Earth 19-1 (potential NPB)	14241219	120	\$5,000	No

#### Beltrami

Name	TRDS	Acres	Est Cost	Existing Protection?
Bemidji area WMAs	15231227	13	\$4,700	yes
Red Lake WMA	15836233	600	\$47,000	yes
Thief River Falls area WMAs	15245218	170	\$181,855	yes

#### Benton

Name	TRDS	Acres	Est Cost	Existing Protection?
Little Falls area WMAs	12733209	1,000	\$4,000	yes
Little Falls area WMAs	12735204	200	\$500	yes
Little Falls area WMAs	12735204	260	\$2,000	yes
Little Falls area WMAs	13628225	26	\$48,000	yes

#### Big Stone

Name	TRDS	Acres	Est Cost	Existing Protection?
Akron 31-2 NPB	12144231	45	\$14,000	Yes
Appleton area WMAs	12040220	775	\$75,000	yes
Big Stone 6-1 NPB	12246206	8	\$4,000	Yes
Bonanza Prairie SNA	12348220	46	\$5,000	Yes
Johnsonville 30-1 NPB	11038230	38	\$3,000	Yes
Lac qui Parle area WMAs	12043233	90	\$36,000	yes
Lower Akron 2-1 NPB	12044202	50	\$4,500	Yes

#### Blue Earth

Name	TRDS	Acres	Est Cost	Existing Protection?
Nicollet area WMAs	10525234	320	\$112,000	yes

#### Brown

Name	TRDS	Acres	Est Cost	Existing Protection?
Joseph A. Tauer Prairie SNA	10931235	8	\$10,000	Yes
New London area WMAs	10834221	10	\$10,000	yes

**Chippewa**

Name	TRDS	Acres	Est Cost	Existing Protection?
Lac qui Parle area WMAs	11942220	17	\$10,400	yes
New London area WMAs	11733221	506	\$37,950	yes

**Clay**

Name	TRDS	Acres	Est Cost	Existing Protection?
B-B Ranch NPB	14146213	300	\$6,000	Yes
Blanket Flower	13744214	6	\$12,000	Yes
Blanket Flower Prairie SNA	13744214	100	\$5,000	Yes
Felton Prairie-Assinaboia	14245229	10	\$12,000	Yes
Felton Prairie-Assinaboia Prairie SNA	14245229	100	\$5,000	Yes
Felton Prairie-Bicentennial Prairie SNA	14145205	100	\$4,000	Yes
Felton Prairie-Bicentennial/Shaw Addtn	14145205	5	\$6,000	Yes
Felton Prairie-County Prairie	14245231	150	\$5,000	No
Felton Prairie-Shrike SNA	14245230	90	\$4,000	Yes
Fergus Falls area WMAs	13140217	80	\$13,000	yes
Fergus Falls area WMAs	13143222	200	\$1,000	yes
Fergus Falls area WMAs	13144232	2,000	\$1,000	yes
Parke 35-1 NPB	13844235	15	\$3,000	Yes
Rogers NPB	13746227	80	\$4,000	Yes
Strand N & S NPB	14244230	160	\$5,000	Yes
Ulen 29-1 NPB	14244229	30	\$3,000	Yes
Ulen 29-1 NPB	14244229	30	\$5,000	Yes

**Clearwater**

Name	TRDS	Acres	Est Cost	Existing Protection?
Bemidji area WMAs	14534234	231	\$500	yes
Bemidji area WMAs	14838219	18	\$10,000	yes

**Cottonwood**

Name	TRDS	Acres	Est Cost	Existing Protection?
Ann 25-1 NPB	10838225	15	\$2,500	Yes
Storden 21-1 NPB	10737221	15	\$8,000	Yes
Talcot Lake WMA	10538219	1,500	\$46,000	yes

**Dakota**

Name	TRDS	Acres	Est Cost	Existing Protection?
Chimney Rock	11417231	5	\$10,000	Yes
Chimney Rock	11417231	28	\$80,500	Yes

**Dodge**

Name	TRDS	Acres	Est Cost	Existing Protection?
Iron Horse Prairie SNA	10517227	10	\$2,500	Yes
Owatonna area WMAs	10114205	80	\$2,000	yes
Owatonna area WMAs	10117211	220	\$9,400	yes

**Douglas**

Name	TRDS	Acres	Est Cost	Existing Protection?
Lund 21-1 NPB	13040221	5	\$6,000	Yes
Lund 21-2 NPB	13040221	38	\$3,000	Yes
Lund 2-1 NPB	13004002	20	\$20,000	Yes
Lund 2 NPB	13004002	150	\$5,000	Yes

**Faribault**

Name	TRDS	Acres	Est Cost	Existing Protection?
Nicollet area WMAs	10225201	1,000	\$245,000	yes
Osmundson Prairie SNA	10124236	2	\$1,500	Yes

**Fillmore**

Name	TRDS	Acres	Est Cost	Existing Protection?
Rochester area WMAs	10113233	200	\$63,500	yes
Rochester area WMAs	10412206	195	\$38,000	yes
Rushford Sand Barrens	10408228	45	\$39,000	Yes

**Goodhue**

Name	TRDS	Acres	Est Cost	Existing Protection?
Cannon River Turtle Preserve	11316224	6	\$3,500	Yes
Cannon River Turtle Preserve	11316224	6	\$5,000	Yes
Cannon River Turtle Preserve	11316224	7	\$25,000	Yes
Cannon River Turtle Preserve	11316224	30	\$94,000	Yes
River Terrace Prairie	11217201	5	\$5,000	Yes
River Terrace Prairie	11217201	60	\$65,500	Yes
Rochester area WMAs	10515201	200	\$110,000	yes

**Grant**

Name	TRDS	Acres	Est Cost	Existing Protection?
Glenwood area WMAs	12342220	30	\$33,150	yes
Olsen NPB	12841206	5	\$6,000	Yes
Olsen NPB	12841206	38	\$3,000	Yes
Woodke NPB	12741232	5	\$6,000	Yes
Woodke NPB	12741232	40	\$3,000	Yes

**Houston**

Name	TRDS	Acres	Est Cost	Existing Protection?
Cty Rd 26 sites	10407218	8	\$32,000	yes
Gilmer	10406202	10	\$20,000	yes
Holen	10406204	30	\$30,000	yes
Jefferson State Forest	10104220	20	\$75,000	yes
Reno State Forest	10204226	60	\$10,000	Yes
Vinegar Ridge State Forest	10407227	100	\$90,000	Yes
Visger	10405225	20	\$15,000	yes
Yucatan Area State Forest	10307212	20	\$70,000	yes

**Hubbard**

Name	TRDS	Acres	Est Cost	Existing Protection?
Badoura JP woodland	13932211	3	\$6,000	Yes
Badoura JP woodland SNA	13935211	150	\$5,000	Yes
LaSalle Lake SNA	14535230	12	\$3,000	Yes

**Jackson**

Name	TRDS	Acres	Est Cost	Existing Protection?
Belmont 5-1 NPB	10335205	1	\$1,000	Yes
Belmont 6-1 NPB	10335206	10	\$8,000	Yes
Petersburg 26-1 NPB	10134226	2	\$1,000	Yes
Petersburg 27-1 NPB	10134227	5	\$1,000	Yes
Windom area WMAs	10332210	290	\$2,500	yes
Windom area WMAs	10336236	16	\$26,000	yes
Windom area WMAs	10436218	1,400	\$500	yes
Windom area WMAs	10438232	95	\$20,000	yes

**Kandiyohi**

Name	TRDS	Acres	Est Cost	Existing Protection?
New London area WMAs	12133229	18	\$6,500	yes
Norway Lake 5-1 NPB	12236205	15	\$10,000	Yes

**Karlstad**

Name	TRDS	Acres	Est Cost	Existing Protection?
Karlstad area WMAs	16045216	800	\$80,000	yes

**Kittson**

Name	TRDS	Acres	Est Cost	Existing Protection?
Karlstad area WMAs	15750215	100	\$4,000	yes
Lake Bronson Aspen Parkland	16146225	10	\$8,000	Yes
Lake Bronson Aspen Parkland	16146225	35	\$5,000	Yes
Lake Bronson Aspen Parkland	16146225	80	\$4,000	Yes

**Lac Qui Parle**

Name	TRDS	Acres	Est Cost	Existing Protection?
Appleton area WMAs	11645221	46	\$18,000	yes
Appleton area WMAs	11744235	628	\$53,000	yes

**Lyon**

Name	TRDS	Acres	Est Cost	Existing Protection?
Custer 15-1 NPB	10941215	1	\$500	Yes
Custer 15-1 NPB	10941215	25	\$20,000	Yes
Marshall area WMAs	11041219	290	\$58,000	yes

**Mahnomen**

Name	TRDS	Acres	Est Cost	Existing Protection?
Santee Prairie SNA	14541216	150	\$5,000	Yes

**Marshall**

Name	TRDS	Acres	Est Cost	Existing Protection?
Marsh Grove 36 NPB	15645236	10	\$18,000	Yes
Marsh Grove 36 NPB	15645236	200	\$5,000	Yes

**Mille Lacs**

Name	TRDS	Acres	Est Cost	Existing Protection?
Cambridge area WMAs	13627235	65	\$6,500	yes

**Mower**

Name	TRDS	Acres	Est Cost	Existing Protection?
Owatonna area WMAs	10117216	40	\$28,000	yes
Owatonna area WMAs	10117216	50	\$6,000	yes

**Murray**

Name	TRDS	Acres	Est Cost	Existing Protection?
Holly 2-1 NPB	10839202	1	\$500	Yes
Holly 2-1 NPB	10839202	2	\$6,000	Yes
Holly 2-1 NPB	10839202	50	\$10,000	Yes
Lundblad Prairie SNA	10541201	35	\$3,000	Yes

**Nobles**

Name	TRDS	Acres	Est Cost	Existing Protection?
Slayton-Talco Lake area WMAs	10243232	28	\$9,000	yes

**Norman**

Name	TRDS	Acres	Est Cost	Existing Protection?
Prairie Smoke Dunes	14644217	20	\$18,000	Yes
Prairie Smoke Dunes SNA	14644217	150	\$5,000	Yes
Sandpiper Prairie	14440233	20	\$18,000	Yes
Sandpiper Prairie SNA	14440233	150	\$5,000	Yes

**Olmsted**

Name	TRDS	Acres	Est Cost	Existing Protection?
Oronoco Prairie	10814222	12	\$8,000	Yes
Oronoco Prairie	10814222	15	\$6,000	Yes
Oronoco Prairie	10814222	20	\$9,000	Yes
Rochester area WMAs	10713232	50	\$60,000	yes

**Otter Tail**

Name	TRDS	Acres	Est Cost	Existing Protection?
Fergus Falls area WMAs	13140217	200	\$3,000	yes
Nidaros 21 NPB	13239221	5	\$6,000	Yes
Nidaros 21 NPB	13239221	64	\$3,000	Yes
Ottertail Prairie SNA	13144217	150	\$5,000	Yes
Wallace NPB	13140235	10	\$12,000	Yes
Wallace NPB	13140235	100	\$4,000	Yes

**Pipestone**

Name	TRDS	Acres	Est Cost	Existing Protection?
Prairie Coteau SNA	10844232	28	\$3,000	Yes

**Polk**

Name	TRDS	Acres	Est Cost	Existing Protection?
Crookston area WMAs	14844215	185	\$27,750	yes
Crookston area WMAs	14845213	350	\$42,500	yes
Crookston Prairie SNA	14944219	40	\$10,000	Yes
Crookston Prairie SNA	14944219	150	\$5,000	Yes
Crookston Prairie SNA	14944219	200	\$15,000	Yes
Garfield 30-1 (potential NPB)	14744230	100	\$4,000	No
Gully Fen SNA	15039225	2	\$5,000	Yes
Gully Fen SNA	15039225	20	\$5,000	Yes
Gully Fen SNA	15039225	20	\$20,000	Yes
Gully Fen SNA	15039225	100	\$4,000	Yes
Pembina Trail Preserve-Foxboro	14845203	20	\$18,000	Yes
Pembina Trail Preserve-Foxboro	14845203	80	\$4,000	Yes

**Pope**

Name	TRDS	Acres	Est Cost	Existing Protection?
Blue Mounds 10-1	12439210	10	\$10,000	Yes
Blue Mounds 10-1 NPB	12439210	150	\$5,000	Yes
Glenwood area WMAs	12540212	3	\$10,000	yes
Langhei Prairie SNA	12339232	40	\$3,000	Yes
Vegoe NPB	12438228	54	\$3,000	Yes

**Red Lake**

Name	TRDS	Acres	Est Cost	Existing Protection?
Lake Pleasant 22 NPB	15044222	45	\$3,000	Yes
Lake Pleasant 22 NPB	15044222	45	\$4,500	Yes

**Redwood**

Name	TRDS	Acres	Est Cost	Existing Protection?
Delhi 14-1 NPB	11336214	10	\$10,000	Yes
Lamberton 13-1 NPB	10937213	1	\$500	Yes
Lamberton 15-1 NPB	10937215	1	\$500	Yes
Swedes Forest 21-1 NPB	11437221	15	\$3,000	Yes
Swedes Forest 22-1 NPB	11437222	5	\$10,000	Yes
Swedes Forest 22-2 NPB	11437222	3	\$1,000	Yes
Swedes Forest 22-2 NPB	11437222	14	\$15,000	Yes

**Renville**

Name	TRDS	Acres	Est Cost	Existing Protection?
New London area WMAs	11336211	50	\$30,000	Yes

**Roseau**

Name	TRDS	Acres	Est Cost	Existing Protection?
Roseau River WMA	16244232	300	\$24,000	Yes
Roseau River WMA	16343217	28,500	\$118,100	Yes
Two Rivers Aspen Parkland SNA	16044220	20	\$18,000	Yes
Two Rivers Aspen Parkland SNA	16044220	20	\$24,000	Yes
Two Rivers Aspen Parkland SNA	16044220	200	\$25,000	Yes
Two Rivers Aspen Parkland SNA	16044220	250	\$6,000	Yes

**Sherburne**

Name	TRDS	Acres	Est Cost	Existing Protection?
Uncas Dunes	03427221	50	\$100,000	Yes

**Stearns**

Name	TRDS	Acres	Est Cost	Existing Protection?
Sauk Rapids area WMAs	12125206	75	\$10,000	Yes
Sauk Rapids area WMAs	12332227	300	\$7,000	Yes
Sauk Rapids area WMAs	12335209	6,252	\$5,500	Yes
Sedan Brook Prairie	12435217	14	\$25,000	Yes
Sedan Brook Prairie	12435217	17	\$37,000	Yes

**Stevens**

Name	TRDS	Acres	Est Cost	Existing Protection?
Verlyn Marth Prairie SNA	12642206	30	\$3,000	Yes

**Swift**

Name	TRDS	Acres	Est Cost	Existing Protection?
Appleton 19-1 NPB	12043219	50	\$25,000	Yes
Fairfield 31-1 NPB	12242231	1	\$1,000	Yes

**Traverse**

Name	TRDS	Acres	Est Cost	Existing Protection?
Fibranz NPB	12647206	10	\$12,000	Yes
Fibranz NPB	12647206	100	\$4,000	Yes
Walls 18-1 NPB	12647218	24	\$3,000	Yes
Walls 7-1 NPB	12647207	10	\$12,000	Yes
Walls 7-1 NPB	12647207	80	\$4,000	Yes
Walls 7-2 NPB	12647207	27	\$3,000	Yes
Windsor 13-1 NPB	12648213	10	\$12,000	Yes
Windsor 13-1 NPB	12648213	100	\$4,000	Yes

**Wabasha**

Name	TRDS	Acres	Est Cost	Existing Protection?
Whitewater area WMAs	10910235	30	\$36,000	yes

**Wadena**

Name	TRDS	Acres	Est Cost	Existing Protection?
Park Rapids area WMAs	13733205	705	\$80,550	yes

**Washington**

Name	TRDS	Acres	Est Cost	Existing Protection?
Grey Cloud Dunes	02721232	5	\$8,600	Yes
Grey Cloud Dunes	02721232	10	\$9,000	Yes
Grey Cloud Dunes	02721232	16	\$64,000	Yes
Grey Cloud Dunes	02721232	30	\$7,500	Yes
Lost Valley Prairie	02720228	35	\$72,500	Yes
Lost Valley Prairie	02720228	35	\$143,500	Yes
Lost Valley Prairie	02720228	45	\$59,500	Yes
St. Croix Savanna	02920215	27	\$84,500	Yes

**Wilkin**

Name	TRDS	Acres	Est Cost	Existing Protection?
Atherton 5-1 NPB	13646205	70	\$4,000	Yes
Bilden NPB	13545215	10	\$12,000	Yes
Bilden NPB	13545215	50	\$3,000	Yes
Tanberg 20 NPB	13545220	160	\$5,000	Yes
Tanberg 29-1 NPB	13545229	150	\$5,000	Yes
Tanberg 29-2 NPB (potential NPB)	13545229	100	\$4,000	No

**Winona**

Name	TRDS	Acres	Est Cost	Existing Protection?
Whitewater area WMAs	10810226	400	\$20,000	yes
Whitewater area WMAs	10909231	40	\$26,500	yes
Whitewater WMA	10710202	25	\$80,000	Yes
Whitewater WMA	10710202	300	\$10,000	yes

**Wright**

Name	TRDS	Acres	Est Cost	Existing Protection?
Sauk Rapids area WMAs	12024217	77	\$32,000	yes

## Yellow Medicine

Name	TRDS	Acres	Est Cost	Existing Protection?
Marshall area WMAs	11444206	53	\$10,500	yes
Minnesota Falls 10-1 NPB	11539210	15	\$2,500	Yes
Minnesota Falls 3-1 NPB	11539203	3	\$2,000	Yes
Minnesota Falls 3-1 NPB	11539203	5	\$6,000	Yes
Mound Spring Prairie SNA	11546218	75	\$4,000	Yes
Swedes Forest SNA	11438212	10	\$20,000	Yes
Swedes Forest SNA	11438212	20	\$3,000	Yes

### Section 2 - Protect Parcel List

No parcels with an activity type protect.

### Section 2a - Protect Parcel with Bldgs

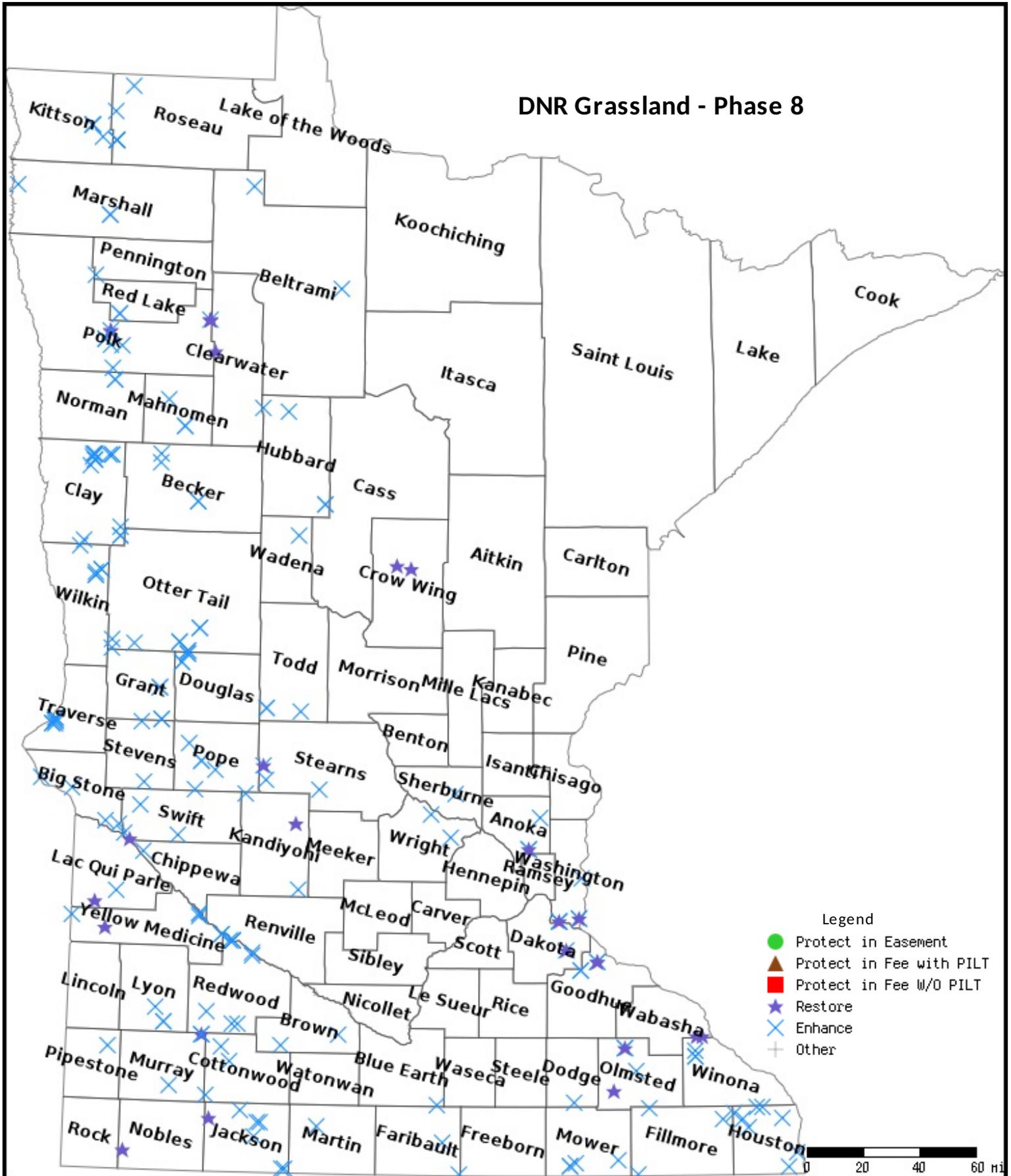
No parcels with an activity type protect and has buildings.

### Section 3 - Other Parcel Activity

No parcels with an other activity type.

# Parcel Map

## DNR Grassland - Phase 8



Data Generated From Parcel List

