

Lessard-Sams Outdoor Heritage Council

Laws of Minnesota 2012 Accomplishment Plan



Date: June 01, 2016

Program or Project Title: Accelerated Prairie Restoration and Enhancement on DNR Lands , Phase IV

Funds Recommended: \$ 4,300,000

Manager's Name: Greg Hoch
Title: Prairie Habitat Team Supervisor
Organization: DNR
Address: 500 Lafayette Road
City: St Paul, MN 55155
Office Number: 651-259-5230
Email: greg.hoch@state.mn.us

Legislative Citation: ML 2012, Ch. 264, Art. 1, Sec. 2, Subd. 2(h)

Appropriation Language: \$4,300,000 in the second year is to the commissioner of natural resources to accelerate the restoration and enhancement of wildlife management areas, scientific and natural areas, and land under native prairie bank easements. A list of proposed restorations and enhancements must be provided as part of the required accomplishment plan.

County Locations: Big Stone, Blue Earth, Brown, Carver, Chippewa, Clay, Cottonwood, Douglas, Fillmore, Goodhue, Grant, Houston, Jackson, Kandiyohi, Kittson, Lac Qui Parle, LeSueur, Lyon, McLeod, Meeker, Morrison, Norman, Ottertail, Otter Tail, Polk, Pope, Redwood, Roseau, Stearns, Stevens, Traverse, Washington, Winona, 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 program will accelerate the restoration and enhancement of approximately 55,000 acres of primarily prairie vegetation on Wildlife Management Areas, and Scientific and Natural Areas and Native Prairie Bank Easements.

Design and scope of work:

The WMA system, started in 1951, has 58 years of support from conservationists, hunters, and legislators. Over 1.3 million acres of habitat in over 1,400 WMAs are protected by the DNR. Protection, development and enhancement of public lands as core elements in a diverse network of habitat complexes will provide permanent population banks from which wildlife and plant communities can expand

into the surrounding landscape during optimum environmental conditions. These networks will provide migration corridors for movement of both animal and plant communities in response to changing conditions. Strategically located, these complexes will provide many tangential benefits including water quality improvements, seed sources and local economic diversity. This strategy will focus on completing and expanding complexes with some existing public ownership and identifying new target complexes where there are gaps in the network. The SNA program, created by the 1969 Minnesota Legislature, currently administers over 140 natural areas and 100 Native Prairie Bank easements. Lands designated as Scientific and Natural Areas have the highest level of protection the state of Minnesota can afford to land.

Most restoration and enhancement practices being applied with this proposal have been proven to provide desired outcomes on existing state-managed lands. The assessment portion of this project will also assess these practices for effectiveness and inform future habitat improvement strategies. Through this funding, the state will be able to accelerate improvements on state land thereby providing for improved function of 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, and other Species of Greatest Conservation Need. These restorations and enhancements will occur on public lands (Wildlife Management Areas, Scientific and Natural Areas, State Forests and Native Prairie Bank Easements) and have already been identified as priorities for accelerated work. It is expected that there will be support for these programs.

Although Minnesota DNR has the training and know-how 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 realize full potential as a plant community or wildlife habitat. Re-establishing prairie on public lands requires periodic burning, inter-seeding grasslands with native species, and up to five years post-seeding management. Some state-owned grasslands are "problem" sites consisting of monotypic fields of brome that has low habitat values. Furthermore exotic and/or invasive plants are encroaching into them. Woody cover encroachment is an especially troublesome problem that must be addressed. Existing grasslands are impaired by the encroachment of woody vegetation. Newly acquired areas and state-owned marginal croplands also need to be seeded and treated. Using high quality seed from established prairie sites to plant at other locations has proven to be highly cost-effective.

This year's proposal includes a number of projects that facilitate grazing on WMAs. Managed grazing is an important management tool that can provide benefits somewhat similar to burning plus it's not as weather dependent or seasonal as burning. Grazing is not a replacement for burning but is a valuable tool in its own right. Formerly large grazers such as buffalo and elk were an important part of Minnesota's landscape that was an integral part of the prairie grassland landscape. This ecological function has been lost and has had a profound impact on grassland systems. Properly managed grazing by cattle can mimic this important disturbance function. Managed grazing has been used for a number of years on a very large WMA in extreme northwestern MN and at Lac Qui Parle WMA. It has not been used much on a smaller scale or in other parts of the state. A number of factors have come together in the last year that has created an interest and opportunity to increase grazing throughout the prairie/transition landscape. The primary barrier to increased managed grazing on WMAs has been the lack of funding necessary to create the paddocks and water sources necessary to facilitate grazing. This proposal requests funds to do so on a number of sites. DNR will create a long-term public-private partnership that facilitates better wildlife habitat, decreases long-term management costs, and supports the cattle industry in MN.

WMA Habitat Work

Grassland restoration work will be primarily through seeding either bare ground (e.g newly acquired agricultural fields) or old-field habitat (e.g. smooth brome). Techniques for this work include site preparation such as mowing, spraying or burning when necessary; and direct seeding. Seed will be obtained via harvesting of local native or restored prairie when possible and purchase of seed from vendors when necessary.

Approximately 19,000 acres of grassland enhancement work using a number of methods to reinvigorate or increase diversity of existing prairie grasslands. Techniques that will be employed include brush and tree removal, chemical treatment, mowing, inter-seeding, grazing and burning. DNR will contract out much of this work to the private sector.

WMA Roving Crews

Due to a severe shortage of qualified burn personnel, 6 new DNR FTEs will be hired to address the significant backlog of burning and woody cover encroachment management needs on WMAs; this crew will work primarily in DNR Region 3. The crew will be capable of burning 7,000 acres per year (at full capacity - less the first year) assuming normal weather conditions and manage an additional 1,000 acres of other wildlife habitat projects for a total of 32,000 acres treated over the four year term of this proposal. The crew's top priority will be burning. Spring, fall and some summer burning will be conducted. When not burning the crew will work on other habitat projects on WMAs such as woody encroachment removal, creating fire breaks, wetland, brushland and forest wildlife projects (within the larger prairie/transition matrix), etc. Additional funding is requested to retain the existing 6 person crew working in DNR Region 1; this team should be able to accomplish another 32,000 acres of treatment over 4 years.

Ecological and Water Resources Habitat Work

Restoration of prairie will occur on 67 acres of severely altered lands by reconstructing native plant communities. These restorations are either in-holdings within a native prairie, or lands surrounding a native prairie. Seed will be collected from native prairies adjacent to the restorations or purchased from vendors with local seed sources. 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 1,878 acres of existing and newly acquired prairies throughout the prairie regions of the state. Enhancement activities include 478 acres of woody species treatments and 1405 acres of prescribed burning. 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.

Restoration and enhancement practices will be designed and administered by DNR staff, while implementation will use a combination of DNR staff and contracted services. There is a backlog of management needs on DNR administered lands and implementation of restoration and enhancement can begin immediately upon receipt of funds. Restoration and enhancement projects would be completed by the end of FY15.

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.

Planning

The Minnesota Prairie Conservation Plan identifies WMAs and SNA as the largest public holdings of native prairie in the state. Identified within the plan are seven major threats (pp. 12-15). This proposal works to address three of them; invasive species, detrimental grazing practices, and woody plant encroachment. This proposal also addresses the plan's annual goal of implementing enhancement activities on one quarter of all conservation-owned native prairies. The strategies and within this proposal are consistent with those identified in the plan.

The Minnesota Statewide Conservation and Preservation Plan identifies habitat loss and degradation as the number one driver of change for wildlife in Minnesota. The plan further states that the prairie regions have experienced the greatest amount of habitat loss of any region. This project addresses the following priorities in the Minnesota Conservation and Preservation Plan:

"Land and Water Restoration and Protection" recommendations H5 "Restore land, wetlands, and wetland-associated watersheds" (with emphasis on prairie – p. 80)

Tomorrow's Habitat for the Wilds and Rare - Minnesota's Comprehensive Wildlife Conservation Strategy for species in greatest conservation need (SGCNs) has identified (p. 38) significant loss and degradation of habitat as the number one management challenge and one of the principle strategies is to provide protection through selective acquisition of key habitats in each Ecological Section. This proposal directly addresses many of the State Wildlife Action Plan's Strategies and Priority Conservation Actions to "stabilize and increase SGCN [species of greatest conservation need] populations" for the subsections with prairie ecosystems (pp. 86, 92, 98, 104, 110, 206, 212, 218, 224, 234) and the prairie, savanna, and surrogate grassland habitats (pp. 255, 263, and 265).

Minnesota's Long Range Duck Recovery Plan

lists the objective of restoring a breeding population of 1 million ducks by 2056. The primary strategy is the protection and restoration of 2 million additional acres of habitat.

Minnesota's Long Range Plan for the Ring-necked Pheasant

lists the objective of increasing pheasant population to 1.8 million birds. To accomplish this objective the plan calls for an additional 21,000 acres of grassland to be protected through acquisition of WMAs.

The national Grassland Conservation Plan for Prairie Grouse identifies habitat needs for prairie chickens and sharp-tailed grouse in Minnesota.

Additionally, this project also helps meet goals outlined in the following plans:

Scientific & Natural Areas Long Range Plan

Minnesota's Timber Rattle Snake Recovery Plan

Minnesota DNR's Nongame Strategic Plan

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

- H5 Restore land, wetlands and wetland-associated watersheds

Which other plans are addressed in this proposal:

- Grassland Conservation Plan for Prairie Grouse
- Long Range Duck Recovery Plan
- Long Range Plan for the Ring-Necked Pheasant in MN
- Minnesota DNR Nongame Wildlife Plans
- Minnesota DNR Scientific and Natural Area's Long Range Plan
- Tomorrow's Habitat for the Wild and Rare
- Minnesota's Timber Rattle Snake Recovery Plan

Which LSOHC state-wide priorities are addressed in this proposal:

- Produce multiple enduring conservation benefits
- Restore or enhance habitat on state-owned WMAs, AMAs, SNAs, and state forests
- Target unique Minnesota landscapes that have historical value to fish and wildlife
- Use a science-based strategic planning and evaluation model to guide protection, restoration and enhancement, similar to the United States Fish and Wildlife Service's Strategic Habitat Conservation model

Which LSOHC section priorities are addressed in this proposal:

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
- Protect, enhance, and restore rare native remnant prairie
- Protect, enhance, and restore migratory habitat for waterfowl and related species, so as to increase migratory and breeding success

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:

- Not Listed

Prairie:

- Protect, enhance, or restore existing wetland/upland complexes, or convert agricultural lands to new wetland/upland habitat complexes
- Protect, enhance, and restore remnant native prairie, Big Woods forests, and oak savanna
- Convert agricultural land to wetland/upland to protect, enhance, or restore existing habitat complexes, such as WMAs
- Restore or enhance habitat on public lands
- Protect, enhance, and restore migratory habitat for waterfowl and related species, so as to increase migratory and breeding success

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 proposal accelerate or supplement your current efforts in this area:

Expenditures in Fiscal Year 2010, not including Bonding or LSOHC funds

DNR total - \$456 million

Division of Ecological and Water Resources total - \$74.6 million

Division of Fish and Wildlife total - \$90.3 million

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

WMA

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, supplemental vegetation planting or wetland and water level management 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.

SNAs

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.

Activity Details:

Will there be planting of corn or any crop on OHF land purchased or restored in this program - **Not Listed**

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

Accomplishment Timeline:

Activity	Approximate Date Completed
Habitat Enhanced by WMA Crews - 50,000 acres	6/30/2017
Prairie Restoration - 217 acres	6/30/2017
Non Roving Crew Habitat Enhancement - 5000 acres	6/30/2017

Date of Final Report Submission: 11/1/2017

Federal Funding:

Do you anticipate federal funds as a match for this program - **Not Listed**

Outcomes:

Programs in the northern forest region:

- Not Listed

Programs in forest-prairie transition region:

- Financial and significant human resources will result in improved habitat on WMAs, SNAs, and Prairie Bank Easements throughout the prairie/grassland landscape. Contracting a variety of habitat work as well as two six person roving WMA Crews will be the primary methods used to achieve desired outcomes. New this year is a focus on using cattle to simulate the lost effects of large grazers on

the landscape. The use of cattle will be facilitated by fencing WMAs to allow for managed rotational grazing that will achieve wildlife habitat objectives. Ultimate outcomes include sufficient habitat to sustain the ecological integrity of the prairie landscape for game and non-game animals and plants as well as increased game populations and hunting opportunities on the parcels managed. This will ultimately create continued public support for natural resource management and wildlife based recreational opportunities.

Programs in metropolitan urbanizing region:

- Not Listed

Programs in southeast forest region:

- Remnant bluff prairies are enhanced

Programs in prairie region:

- Improved condition of habitat on public lands
- Increased participation of private landowners in habitat projects
- Protected, restored, and enhanced habitat for waterfowl, upland birds, and species of greatest conservation need

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

Not Listed

Total Amount of Request: \$ 4300000

Budget and Cash Leverage

Budget Name	LSOHC Request	Anticipated Leverage	Leverage Source	Total
Personnel	\$2,393,900	\$0		\$2,393,900
Contracts	\$811,500	\$0		\$811,500
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	\$568,300	\$0		\$568,300
Professional Services	\$0	\$0		\$0
Direct Support Services	\$105,100	\$0		\$105,100
DNR Land Acquisition Costs	\$0	\$0		\$0
Capital Equipment	\$0	\$0		\$0
Other Equipment/Tools	\$33,800	\$0		\$33,800
Supplies/Materials	\$387,400	\$0		\$387,400
DNR IDP	\$0	\$0		\$0
Total	\$4,300,000	\$0		\$4,300,000

Personnel

Position	FTE	Over # of years	LSOHC Request	Anticipated Leverage	Leverage Source	Total
WMA Crew Leader	2.00	4.00	\$570,000	\$0		\$570,000
WMA Laborer	10.00	4.00	\$1,623,300	\$0		\$1,623,300
Contract Mgr	0.05	3.00	\$11,300	\$0		\$11,300
NR spec and tech	1.45	3.00	\$136,900	\$0		\$136,900
NR laborer	0.50	3.00	\$52,400	\$0		\$52,400
Total	14.00	17.00	\$2,393,900	\$0		\$2,393,900

Output Tables

Table 1a. Acres by Resource Type

Type	Wetlands	Prairies	Forest	Habitats	Total
Restore	0	217	0	0	217
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	9,000	46,569	0	0	55,569
Total	9,000	46,786	0	0	55,786

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	\$186,600	\$0	\$0	\$186,600
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	\$317,400	\$3,796,000	\$0	\$0	\$4,113,400
Total	\$317,400	\$3,982,600	\$0	\$0	\$4,300,000

Table 3. Acres within each Ecological Section

Type	Metro Urban	ForestPrairie	SE Forest	Prairie	N Forest	Total
Restore	10	3	6	198	0	217
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	1,020	15,513	1,095	37,941	0	55,569
Total	1,030	15,516	1,101	38,139	0	55,786

Table 4. Total Requested Funding within each Ecological Section

Type	Metro Urban	ForestPrairie	SE Forest	Prairie	N Forest	Total
Restore	\$12,000	\$3,600	\$7,200	\$163,800	\$0	\$186,600
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	\$51,700	\$904,500	\$179,500	\$2,977,700	\$0	\$4,113,400
Total	\$63,700	\$908,100	\$186,700	\$3,141,500	\$0	\$4,300,000

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

Big Stone

Name	TRDS	Acres	Est Cost	Existing Protection?
Big Stone WMA	12246218	100	\$30,000	Yes
Clinton Prairie	12347216	74	\$4,100	Yes
Clinton Prairie	12347216	83	\$4,200	Yes
Victory WMA	12145206	24	\$7,000	Yes

Blue Earth

Name	TRDS	Acres	Est Cost	Existing Protection?
Nicollet Area Woody Removal	11029232	600	\$203,000	Yes

Brown

Name	TRDS	Acres	Est Cost	Existing Protection?
Tauer Prairie	10931235	40	\$2,900	Yes

Carver

Name	TRDS	Acres	Est Cost	Existing Protection?
Seminary Fen	11623234	5	\$6,000	Yes
Seminary Fen	11623234	20	\$20,000	Yes

Chippewa

Name	TRDS	Acres	Est Cost	Existing Protection?
Boike WMA	11839236	46	\$10,000	Yes
Cuka WMA	11837234	163	\$15,000	Yes
Haugen WMA	11942220	31	\$11,500	Yes
Sween WMA	11639205	26	\$7,000	Yes

Clay

Name	TRDS	Acres	Est Cost	Existing Protection?
Blanket Flower SNA	13744211	4	\$4,000	Yes
Blanket Flower SNA	13744211	25	\$4,000	Yes
Felton Prairie SNA - Bicentennial	14145205	119	\$4,500	Yes
Felton Prairie SNA - Shrike	14145205	20	\$3,800	Yes
Flowing WMA	14146223	111	\$0	Yes

Cottonwood

Name	TRDS	Acres	Est Cost	Existing Protection?
Storden 21 PB	10737221	20	\$3,500	Yes

Douglas

Name	TRDS	Acres	Est Cost	Existing Protection?
Holmes WMA	12936214	200	\$19,800	Yes
Lund 2 NPB	13040202	24	\$28,800	Yes
Lund 2 NPB	13040202	40	\$10,000	Yes
Red Rock WMA	12840220	5	\$1,400	Yes
Urness WMA	12840210	40	\$1,100	Yes

Fillmore

Name	TRDS	Acres	Est Cost	Existing Protection?
Pin Oak Prairie	10412224	3	\$3,600	Yes
Pin Oak Prairie	10412224	3	\$3,600	Yes

Goodhue

Name	TRDS	Acres	Est Cost	Existing Protection?
Cannon R Turtle	11315219	3	\$3,600	Yes
Cannon R Turtle	11315219	3	\$3,600	Yes

Grant

Name	TRDS	Acres	Est Cost	Existing Protection?
Olsen NPB	12841206	5	\$6,000	Yes

Houston

Name	TRDS	Acres	Est Cost	Existing Protection?
Ho kah 25 NPB	10405225	5	\$10,000	Yes
State Forestry Land -Reno Unit	10204226	20	\$40,000	Yes
State Forestry Land - Sheldon	10307224	20	\$40,000	Yes

Jackson

Name	TRDS	Acres	Est Cost	Existing Protection?
Belmont 5 PB	10335206	40	\$3,200	Yes
Christiana 31 A PBs	10435231	32	\$2,800	Yes
Christiana 31 B PBs	10435231	21	\$2,800	Yes
Des Moines River Prairie	10435219	45	\$3,800	Yes
Des Moines River Prairie	10435219	86	\$3,800	Yes
Des Moines River SNA	10435219	160	\$20,000	Yes
Petersburg 26 PB	10134226	40	\$5,800	Yes
Petersburg 26 PB	10134226	75	\$15,000	Yes

Kandiyohi

Name	TRDS	Acres	Est Cost	Existing Protection?
Burbank WMA	12234226	16	\$20,000	Yes
Mamre WMA	12036227	35	\$2,100	Yes
Mamre WMA	12036227	35	\$35,000	Yes

Kittson

Name	TRDS	Acres	Est Cost	Existing Protection?
Karlstad Area Woody Treatment	15945215	300	\$40,500	Yes
Lake Bronson SNA	16146225	36	\$3,600	Yes
Twin Lakes WMA	15945203	50	\$29,000	Yes

Lac Qui Parle

Name	TRDS	Acres	Est Cost	Existing Protection?
Baxter WMA	11742205	87	\$25,000	Yes
Camp Release 32 PB	11841232	44	\$0	Yes
LqP WMA - Peterson Tract	12044226	30	\$11,000	Yes
Yellow Bank Hills	11846204	20	\$3,800	Yes
Yellow Bank Hills	11846204	33	\$3,800	Yes

LeSueur

Name	TRDS	Acres	Est Cost	Existing Protection?
Kasota Prairie	10926207	13	\$3,100	Yes
Kasota Prairie	10926207	14	\$3,100	Yes

Lyon

Name	TRDS	Acres	Est Cost	Existing Protection?
Clifton WMA	11140207	173	\$25,200	Yes
Glynn Prairie	10940207	32	\$2,900	Yes
Glynn Prairie	10940207	49	\$2,900	Yes

McLeod

Name	TRDS	Acres	Est Cost	Existing Protection?
Ras-Lynn WMA	11231232	292	\$51,100	Yes

Meeker

Name	TRDS	Acres	Est Cost	Existing Protection?
Butternut WMA	11932219	28	\$46,000	Yes
Grennleaf WMA	11831233	74	\$12,000	Yes
Manannah WMA	12131236	55	\$10,000	Yes

Morrison

Name	TRDS	Acres	Est Cost	Existing Protection?
Ripley Esker	04231218	3	\$3,600	Yes

Norman

Name	TRDS	Acres	Est Cost	Existing Protection?
Prairie Smoke Dunes SNA	14644217	80	\$4,500	Yes
Sandpiper Prairie SNA	14445233	38	\$45,600	Yes

Ottertail

Name	TRDS	Acres	Est Cost	Existing Protection?
Nidaros 21 NPB	13239221	20	\$2,800	Yes

Otter Tail

Name	TRDS	Acres	Est Cost	Existing Protection?
Nidaros 21 NPB	13239221	5	\$2,500	Yes

Polk

Name	TRDS	Acres	Est Cost	Existing Protection?
Crookston Area-Brush Mowing	14844215	40	\$9,700	Yes
Pembina Trail Preserve - Crookston	14944218	30	\$30,000	Yes
Pembina Trail Preserve - Crookston	14944218	30	\$30,000	Yes
Pembina Trail Preserve - Foxboro	14944218	20	\$14,400	Yes
Pembina Trail Preserve - Foxboro	14944218	40	\$3,800	Yes

Pope

Name	TRDS	Acres	Est Cost	Existing Protection?
NewPrairie WMA	12540212	3	\$1,100	Yes
No ra WMA	12640234	54	\$4,100	Yes
Vegeo NPB	12438228	25	\$2,800	Yes

Redwood

Name	TRDS	Acres	Est Cost	Existing Protection?
Redwood Falls Area Tree Removal	11836226	200	\$40,000	Yes
Tiger Lake WMA	11335234	50	\$24,000	Yes

Roseau

Name	TRDS	Acres	Est Cost	Existing Protection?
Two Rivers AP SNA	16044217	432	\$5,000	Yes

Stearns

Name	TRDS	Acres	Est Cost	Existing Protection?
Crow River/Edward Raymond Mohs WMA	12335216	169	\$27,000	Yes
Sedan Brook Prairie	12435216	2	\$24,000	Yes
Sedan Brook Prairie	12435216	10	\$2,400	Yes

Stevens

Name	TRDS	Acres	Est Cost	Existing Protection?
Old Gravel Pit WMA	12344233	80	\$1,200	Yes

Traverse

Name	TRDS	Acres	Est Cost	Existing Protection?
Fibranz NPB	12747232	30	\$20,000	Yes
Metz WMA	12549225	10	\$2,100	Yes

Washington

Name	TRDS	Acres	Est Cost	Existing Protection?
St. Croix Savanna	02920214	5	\$6,000	Yes

Winona

Name	TRDS	Acres	Est Cost	Existing Protection?
Melcheretal WMA	10810226	25	\$1,000	Yes

Yellow Medicine

Name	TRDS	Acres	Est Cost	Existing Protection?
Blue Devil SNA	11539204	8	\$40,000	Yes
Christopherson WMA	11641214	116	\$16,000	Yes
Mound Spring Prairie	11546218	65	\$3,500	Yes
Mound Spring Prairie	11546219	75	\$3,500	Yes

Section 2 - Protect Parcel List

No parcels with an activity type protect.

Section 2a - Protect Parcel with Bldgs

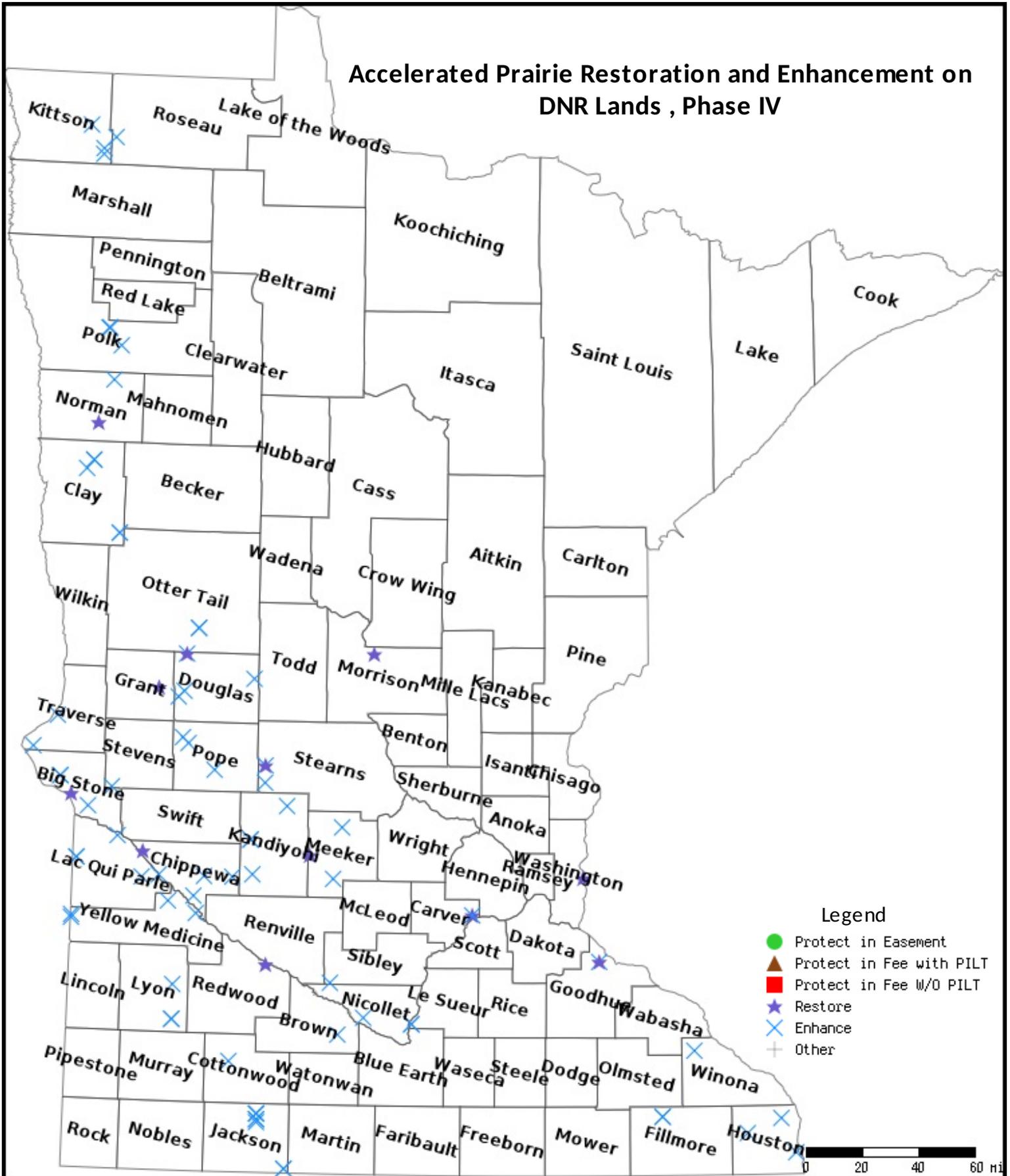
No parcels with an activity type protect and has buildings.

Section 3 - Other Parcel Activity

No parcels with an other activity type.

Parcel Map

Accelerated Prairie Restoration and Enhancement on DNR Lands , Phase IV



Data Generated From Parcel List