

Lessard-Sams Outdoor Heritage Council

Laws of Minnesota 2012 Accomplishment Plan

Date: October 24, 2011

Program Title: DNR Prairie/Grassland Habitat Restoration and Enhancement

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Funds Recommended: \$4,300,000

Legislative Citation: ML 2012, Ch. X, Art. X, Sec. X, Subd. 2 (h): *(to be completed when signed by Governor)*

Abstract:

This program will accelerate the restoration and enhancement of approximately 69,000 acres of primarily native prairie vegetation on Wildlife Management Areas, and Scientific and Natural Areas and Native Prairie Bank Easements.

Program Narrative

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 dependant 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.

Grassland enhancement work uses a number of methods to reinvigorate or increase diversity of existing prairie type grasslands. Techniques that will be employed include brush and tree removal, chemical treatment, mowing, inter-seeding 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 draft Minnesota Prairie Conservation Plan 2010 (final page numbering unavailable at this time) identifies WMAs and SNA as the largest public holdings of native prairie in the state. Identified within the plan are seven major threats. 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 Wild 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*

LSOHC Ecological Section Priorities

This project will address the following LSOHC Section Priorities.

Priority Actions for the Prairie Section

1. Protect, enhance, or restore existing wetland/upland complexes, or convert agricultural lands to new wetland/upland habitat complexes.
2. Protect, enhance and restore remnant native prairie, Big Woods forests and oak savanna.
3. Convert agricultural land to wetland/upland to protect, enhance, or restore existing habitat complexes, such as existing WMA's.
4. Restore or enhance habitat on public lands.
7. Protect, enhance and restore migratory habitat for waterfowl and related species, so as to increase migratory and breeding success.

Priority Actions for the Forest/Prairie Transition Section

1. Protect, enhance and restore wild rice wetlands, shallow lakes, wetland/grassland complexes, aspen parklands, and shoreland that provide critical habitat for game and non-game wildlife.
2. Protect, enhance and restore rare native remnant prairie.
3. Protect, enhance and restore migratory habitat for waterfowl and related species, so as to increase migratory and breeding success.

Priority Actions for the Southeast Forest Section

3. Protect, enhance and restore remnant goat prairies.
4. Restore forest-based wildlife habitat that has experienced substantial decline in aerial extent in recent decades.

Priority Actions for the Metropolitan Urbanizing Area

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

[Relationship to Other Constitutional Funds](#)

We believe that the work being proposed is most appropriate for Outdoor Heritage funding rather than other Constitutional funding. However, DNR will consult and coordinate with other partners that receive constitutional funding to ensure all funding sources complement each other and provide the greatest natural resource outcomes.

[Relationship to Current Organizational Budget](#)

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

[Sustainability and Maintenance](#)

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.

Outcomes

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.

Accomplishment Timeline

Activity	Milestone	Date
<i>Habitat enhanced by WMA Crews</i>	<i>64,000 acres</i>	<i>6/30/2017</i>
<i>Prairie restoration</i>	<i>217 acres</i>	<i>6/30/2017</i>
<i>Habitat enhanced in Metro</i>	<i>1030 acres</i>	<i>6/30/2017</i>

Attachments (*on spreadsheet workbook – 3 separate tabs*):

- A. Budget
- B. Proposed Outcome Tables
- C. Parcel List

No Map is needed for the accomplishment plan

Attachment A. Budget Spreadsheet

Name of Proposal:	DNR Prairie/Grassland Habitat Restoration and Enhancement
Date:	10/24/2011

[Link HERE to definitions of the budget items below.](#)

Total Amount of Request \$ 4,300,000 *From page 1 on the funding form.*

Personnel

Position breakdown here	FTE	Over # of years	LSOHC Request	Anticipated Cash Leverage	Cash Leverage Source	Total
<i>Contract Mgr</i>	0.05	3	\$ 11,250		\$	11,250
<i>NR spec and tech</i>	1.45	3	\$ 261,000		\$	261,000
<i>NR laborer</i>	0.5	3	\$ 60,000		\$	60,000
<i>WMA Crew Leader</i>	2	4	\$ 560,000		\$	560,000
<i>WMA Laborer</i>	10	4	\$ 1,888,000		\$	1,888,000
					\$	-
					\$	-
Total	14		\$ 2,780,250	\$ -	\$ -	\$ 2,780,250

Budget and Cash Leverage *(All your LSOHC Request Funds must be direct to and necessary for program outcomes.)*

Please describe how you intend to spend the requested funds.

Budget Item	LSOHC Request	Anticipated Cash Leverage	Cash Leverage Source	Total
Personnel - auto entered from above	\$ 2,780,250	\$ -	\$ -	\$ 2,780,250
Contracts	\$ 745,833			\$ 745,833
Fee Acquisition w/ PILT (breakout in table 7)	\$ -			\$ -
Fee Acquisition w/o PILT (breakout in table 7)	\$ -			\$ -
Easement Acquisition	\$ -			\$ -
Easement Stewardship	\$ -			\$ -
Travel (in-state)	\$ 464,316			\$ 464,316
Professional Services	\$ -			\$ -
Direct Support Services	\$ 105,080			\$ 105,080
DNR Land Acquisition Costs (\$3,500 per acquisition)	\$ -			\$ -
Other				\$ 204,521
Capital Equipment (<i>auto entered from below</i>)	\$ -	\$ -		\$ -
Other Equipment/Tools	\$ 61,886			\$ 61,886
Supplies/Materials	\$ 142,635			\$ 142,635
	\$ 4,300,000	\$ -	\$ -	\$ 4,300,000

Capital Equipment *(single items over \$10,000 - auto entered into table above)*

Item Name	LSOHC Request	Leverage
Total	-	-

Attachment B. Output Tables

Name of Proposal:	DNR Prairie/Grassland Habitat Restoration and Enhancement
Date:	10/24/2011

Table 1 and Table 3 column totals should be the same AND Table 2 and Table 4 column totals should be the same

If your project has lakes or shoreline miles instead of land acres, convert miles to acres for Tables 1 and 3 using the following conversion:

Lakeshore = 6 acres per lakeshore mile / Stream & River Shore = 12 acres per linear mile, if both sides

Table 1. Acres by Resource Type

Describe the scope of the project in acres (use conversion above if needed)

	Wetlands	Prairies	Forest	Habitats	Total
Restore		217			217
Protect Fee					0
Protect Easement					0
Protect Other					0
Enhance	10000	59569			69569
Total	10000	59786	0	0	

Total Acres (sum of Total column)	69786	<i>These two cells should be the same figure.</i>
Total Acres (sum of Total row)	69786	

Table 2. Total Requested Funding by Resource Type

	Wetlands	Prairies	Forest	Habitats	Total
Restore		\$ 186,650			\$ 186,650
Protect Fee					\$ -
Protect Easement					\$ -
Protect Other					\$ -
Enhance	\$ 317,369	\$ 3,795,981			\$ 4,113,350
Total	\$ 317,369	\$ 3,982,631	\$ -	\$ -	

Total Dollars (sum of Total column)	\$ 4,300,000	<i>These two cells should be the same figure.</i>
Total Dollars (sum of Total row)	\$ 4,300,000	

Check to make sure this amount is the same as the Funding Request Amount on page 1 of Main Funding Form.

Table 3. Acres within each Ecological Section

	Metro/Urban	Forest/Prairie	SE Forest	Prairie	Northern Forest	Total
Restore	10	3	6	198		217
Protect Fee						0
Protect Easement						0
Protect Other						0
Enhance	1020	25513	1095	41941		69569
Total	1030	25516	1101	42139	0	

Total Acres (sum of Total column)	69786	<i>These three cells should be the same figure.</i>
Total Acres (sum of Total row)	69786	
Total Acres from Table 1.	69786	

Attachment B. Output Tables

Table 4. Total Requested Funding within each Ecological Section

	Metro/Urban	Forest/Prairie	SE Forest	Prairie	Northern Forest	Total
Restore	\$ 12,000	\$ 3,600	\$ 7,200	\$ 163,805		\$ 186,605
Protect Fee						\$ -
Protect Easement						\$ -
Protect Other						\$ -
Enhance	\$ 51,737	\$ 904,512	\$ 179,474	\$ 2,977,672		\$ 4,113,395
Total	\$ 63,737	\$ 908,112	\$ 186,674	\$ 3,141,477	\$ -	

Total Dollars (sum of Total column) \$ 4,300,000 *These two cells should be the same figure.*
 Total Dollars (sum of Total row) \$ 4,300,000
 Check to make sure these amounts are the same as the Funding Request Amount on page 1 of Main Funding Form.

Table 5. Target Lake/Stream/River Miles

miles of Lakes / Streams / Rivers Shoreline

Table 6. Acquisition by PILT Status (enter information in acres)

	Wetlands	Prairies	Forests	Habitats	Total
Acquired in Fee with State PILT Liability					0
Acquired in Fee w/o State PILT Liability					0
Permanent Easement <i>NO State PILT Liability</i>					0
	0	0	0	0	

Table 7. Estimated Value of Land Acquisition by PILT Status (enter information in dollars)

	Wetlands	Prairies	Forests	Habitats	Total	
Acquired in Fee with State PILT Liability					\$ -	\$ -
Acquired in Fee w/o State PILT Liability					\$ -	\$ -
Permanent Easement <i>NO State PILT Liability</i>					\$ -	\$ -
	\$ -	\$ -	\$ -	\$ -		

FYI: should match total in budget table that is auto entered below

Attachment C. Parcel List

Program Title: DNR Prairie/Grassland Habitat Restoration and Enhancement

Wildlife Section Projects

Parcel Name	Region	County	Twp	Range	Dir	Section	TRDS	# of acres	Estimated Cost to OHF	Description	Activity	LSOHC Section	Any existing protection? (yes/no)	Open to hunting and fishing? (yes/no)
Wildlife Section Projects														
Crookston Area-Brush Mowing	1	Polk						40	9,700	Woody removal	E	Prairie	Y	Y
Magnusson WMA	1	Clay	138	45	2	7	13845207	267	15,000	Woody removal	E	Prairie	Y	Y
Ulen WMA	1	Clay	142	45	2	25	14245225	320	6,500	Burn	E	Prairie	Y	Y
Holmes WMA	1	Douglas	129	36	2	14	12936214	200	19,800	Grazing establishment	E	Forest/Prairie Transition	Y	Y
New Prairie WMA	1	Pope	125	40	2	12	12540212	3	1,050	Woody chemical treatme	E	Prairie	Y	Y
Old Gravel Pit WMA	1	Stevens	123	44	2	33	12344233	3	1,150	Woody chemical treatme	E	Prairie	Y	Y
Red Rock WMA	1	Douglas	128	40	2	20	12840220	5	1,350	Woody chemical treatme	E	Prairie	Y	Y
Urness WMA	1	Douglas	128	40	2	10	12840210	3	1,100	Woody chemical treatme	E	Prairie	Y	Y
Metz WMA	1	Traverse	125	49	2	25	12549234	10	2,100	Woody chemical treatme	E	Prairie	Y	Y
Nora WMA	1	Pope	126	40	2	34	12640234	20	4,100	Woody chemical treatme	E	Prairie	Y	Y
Karlstad Area Woody Treatment	1	Kittson						300	40,500	Woody chemical treatme	E	Forest/Prairie Transition	Y	Y
Twin Lakes WMA	1	Kittson	159	45	2	3	15945203	50	29,000	Woody chemical treatme	E	Forest/Prairie Transition	Y	Y
Crow River/Edward Raymond Mohs	3	Stearns						169	27,000	Grazing establishment	E	Prairie	Y	Y
Melcheretal WMA	3	Winona	108	10	2	26	10810226	25	1,000	Woody chemical treatme	E	Southeast Forest	Y	Y
Baxter WMA	4	Lac Qui Parle	117	42	2	5	11742205	87	25,000	Woody removal	E	Prairie	Y	Y
Big Stone WMA	4	Big Stone	122	46	2	18	12246218	100	30,000	Woody removal	E	Prairie	Y	Y
LqP WMA - Peterson Tract	4	Lac Qui Parle	120	44	2	26	12044226	30	10,950	Plant natives	R	Prairie	Y	Y
Victory WMA	4	Big Stone	121	45	2	6	12145206	24	7,000	Woody removal	E	Prairie	Y	Y
Christopherson WMA	4	Yellow Medicin	116	41	2	14	11641214	69	15,500	Woody removal	E	Prairie	Y	Y
Clifton WMA	4	Lyon	111	40	2	7	11140207	173	25,200	Woody removal	E	Prairie	Y	Y
Nicollet Area Woody Removal	4	Blue Earth						1,010	203,000	Woody removal	E	Prairie	Y	Y
Burbank WMA	4	Kandiyohi	122	34	2	26	12234226	16	20,000	Woody removal	E	Prairie	Y	Y
Butternut WMA	4	Meeker	119	32	2	19	11932219	28	46,000	Woody removal	E	Prairie	Y	Y
Haugen WMA	4	Chippewa	119	42	2	20	11942220	31	11,500	Plant natives	R	Prairie	Y	Y
Mamre WMA	4	Kandiyohi	120	36	2	27	12036227	35	35,000	Plant natives	R	Prairie	Y	Y
Redwood Falls Area Tree Removal	4	Redwood						200	40,000	Woody removal	E	Prairie	Y	Y
Ringo-Nest WMA	4	Kandiyohi	121	34	2	31	12134231	26	32,000	Woody removal	E	Prairie	Y	Y
Tiger Lake WMA	4	Redwood	113	35	2	34	11335234	50	24,000	Woody removal	E	Prairie	Y	Y

EWR Projects

Sandpiper Prairie SNA	1	Norman	144	45	2	33	14445233	38	\$45,600	Prairie Reconstruction	R	Prairie	Y	N
Lund 2 NPB	1	Douglas	130	40	2	2	13040202	24	\$28,800	Prairie Reconstruction	R	Prairie	Y	N
Ripley Esker	1	Morrison	42	31	2	18	4231218	3	\$3,600	Prairie Reconstruction	R	Forest/Prairie Transition	Y	N
Fibranz NPB	1	Traverse	127	47	2	32	12747232	30	\$20,000	Prairie Restoration	R	Prairie	Y	N
Blanket Flower SNA	1	Clay	137	44	2	11	13744211	75	\$4,500	Prescribed burn	E	Prairie	Y	N
Pembina Trail Preserve - Foxboro	1	Polk	149	44	2	18	14944218	40	\$3,800	Prescribed burn	E	Prairie	Y	N
Pembina Trail Preserve - Crookston	1	Polk	149	44	2	18	14944218	240	\$5,800	Prescribed burn	E	Prairie	Y	Y
Nidaros 21 NPB	1	Ottertail	132	39	2	21	13239221	20	\$2,800	Prescribed burn	E	Prairie	Y	N
Two Rivers AP SNA	1	Roseau	160	44	2	17	16044217	432	\$5,000	Prescribed burn	E	Forest/Prairie Transition	Y	N
Lake Bronson SNA	1	Kittson	161	46	2	25	16146225	36	\$3,600	Prescribed burn	E	Forest/Prairie Transition	Y	N
Felton Prairie SNA - Bicentennial	1	Clay	141	45	2	5	14145205	80	\$4,500	Prescribed burn	E	Prairie	Y	N
Felton Prairie SNA - Shrike	1	Clay	141	45	2	5	14145205	20	\$3,800	Prescribed burn	E	Prairie	Y	N
Prairie Smoke Dunes SNA	1	Norman	146	44	2	17	14644217	80	\$4,500	Prescribed burn	E	Prairie	Y	N
Vegeo NPB	1	Pope	124	38	2	28	12438228	25	\$2,800	Prescribed burn	E	Prairie	Y	Y
Nidaros 21 NPB	1	Otter Tail	132	39	2	21	13239221	5	\$2,500	Woody removal	E	Forest/Prairie Transition	Y	N

Attachment C. Parcel List

**Program Title: DNR Prairie/Grassland Habitat Restoration and Enhancement
Wildlife Section Projects**

Parcel Name	Region	County	Twp	Range	Dir	Section	TRDS	# of acres	Estimated Cost to OHF	Description	Activity	LSOHC Section	Any existing protection? (yes/no)	Open to hunting and fishing? (yes/no)
Blanket Flower SNA	1	Clay	137	44	2	11	13744211	25	\$25,000	Woody removal	E	Prairie	Y	Y
Pembina Trail Preserve - Foxboro	1	Polk	149	44	2	18	14944218	20	\$24,000	Woody removal	E	Prairie	Y	N
Pembina Trail Preserve - Crookston	1	Polk	149	44	2	18	14944218	30	\$30,000	woody removal	E	Prairie	Y	Y
Lund 2 NPB	1	Douglas	130	40	2	2	13040202	40	\$10,000	Woody removal	E	Prairie	Y	N
Olsen NPB	1	Grant	128	41	2	6	12841206	5	\$5,000	Woody removal	E	Prairie	Y	N
St. Croix Savanna	3	Washington	29	20	2	14	2920214	5	\$6,000	Prairie Reconstruction	R	Metropolitan	Y	N
Seminary Fen	3	Carver	116	23	2	34	11623234	5	\$6,000	Prairie Reconstruction	R	Metropolitan	Y	N
Sedan Brook Prairie	3	Stearns	124	35	2	16	12435216	10	\$12,000	Prairie Reconstruction	R	Forest/Prairie Transition	Y	N
Cannon R Turtle	3	Goodhue	113	15	2	19	11315219	3	\$3,600	Prairie Reconstruction	R	Southeast Forest	Y	N
Pin Oak Prairie	3	Fillmore	104	12	2	24	10412224	3	\$3,600	Prairie Reconstruction	R	Southeast Forest	Y	N
Seminary Fen	3	Carver	116	23	2	34	11623234	20	\$20,000	Woody removal	E	Metropolitan	Y	Y
Sedan Brook Prairie	3	Stearns	124	35	2	16	12435216	30	\$30,000	Woody removal	E	Forest/Prairie Transition	Y	N
Cannon R Turtle	3	Goodhue	113	15	2	19	11315219	15	\$15,000	Woody removal	E	Southeast Forest	Y	N
Pin Oak Prairie	3	Fillmore	104	12	2	24	10412224	10	\$10,000	Woody removal	E	Southeast Forest	Y	N
Hokah 25 NPB	3	Houston	104	5	2	25	10405225	5	\$10,000	Woody removal	E	Southeast Forest	Y	N
State Forestry Land -Reno Unit	3	Houston	102	4	2	26	10204226	20	\$40,000	Woody removal	E	Southeast Forest	Y	N
State Forestry Land - Sheldon	3	Houston	103	7	2	24	10307224	20	\$40,000	Woody removal	E	Southeast Forest	Y	N
Clinton Prairie	4	Big Stone	123	47	2	16	12347216	83	\$4,200	Prescribed burn	E	Prairie	Y	N
Clinton Prairie	4	Big Stone	123	47	2	16	12347216	74	\$4,100	Prescribed burn	E	Prairie	Y	N
Des Moines River Prairie	4	Jackson	104	35	2	19	10435219	86	\$3,800	Prescribed burn	E	Prairie	Y	N
Des Moines River Prairie	4	Jackson	104	35	2	19	10435219	45	\$3,800	Prescribed burn	E	Prairie	Y	N
Glynn Prairie	4	Lyon	109	40	2	7	10940207	49	\$2,850	Prescribed burn	E	Prairie	Y	N
Glynn Prairie	4	Lyon	109	40	2	7	10940207	32	\$2,850	Prescribed burn	E	Prairie	Y	N
Tauer Prairie	4	Brown	109	31	2	35	10931235	40	\$2,900	Prescribed burn	E	Prairie	Y	N
Kasota Prairie	4	LeSueur	109	26	2	7	10926207	13	\$3,100	Prescribed burn	E	Prairie	Y	N
Kasota Prairie	4	LeSueur	109	26	2	7	10926207	14	\$3,100	Prescribed burn	E	Prairie	Y	N
Mound Spring Prairie	4	Yellow Medicin	115	46	2	18	11546218	65	\$3,500	Prescribed burn	E	Prairie	Y	N
Mound Spring Prairie	4	Yellow Medicin	115	46	2	19	11546219	75	\$3,500	Prescribed burn	E	Prairie	Y	N
Yellow Bank Hills	4	Lac Qui Parle	118	46	2	4	11846204	33	\$3,750	Prescribed burn	E	Prairie	Y	N
Yellow Bank Hills	4	Lac Qui Parle	118	46	2	4	11846204	20	\$3,750	Prescribed burn	E	Prairie	Y	N
Camp Release 32 PB	4	Lac Qui Parle	118	41	2	32	11841232	44	\$3,850	Prescribed burn	E	Prairie	Y	N
Storden 21 PB	4	Cottonwood	107	37	2	21	10737221	20	\$3,500	Prescribed burn	E	Prairie	Y	Y
Petersburg 26 PB	4	Jackson	101	34	2	26	10134226	40	\$5,800	Prescribed burn	E	Prairie	Y	N
Belmont 5 PB	4	Jackson	103	35	2	6	10335206	40	\$3,200	Prescribed burn	E	Prairie	Y	N
Christiana 31 PBs	4	Jackson	104	35	2	31	10435231	21	\$2,800	Prescribed burn	E	Prairie	Y	N
Christiana 31 PBs	4	Jackson	104	35	2	31	10435231	31	\$2,800	Prescribed burn	E	Prairie	Y	N
DesMoines River SNA	4	Jackson	104	35	2	19	10435219	160	\$20,000	Woody removal	E	Prairie	Y	N
Petersburg 26 PB	4	Jackson	101	34	2	26	10134226	75	\$15,000	Woody removal	E	Prairie	Y	Y
Blue Devil SNA	4	Yellow Medicin	115	39	2	4	11539204	8	\$40,000	Woody Removal	E	Prairie	Y	Y