#### 2K:Prairie Management - MN DNR - Scientific and Natural Areas Program

Project Manager: Jason Garms		Fund: Environment and Natural Resources Trust
Affiliation:	MN DNR - Scientific and Natural Areas Program	Fund
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### **Total Biennial Project Budget**

Result	Environmental Trust Allocation	Environmental Trust Funds Spent	Environmental Trust Balance	Other Funds Proposed	Other Funds Spent
Restoration	\$133,000.00	\$132,999.87	\$0.13	\$15,000.00	\$0.00
Total	\$133,000.00	\$132,999.87	\$0.13	\$15,000.00	\$0.00

## **Work Program Summary**

#### **Overall Project Outcome and Results**

This project tackled a long-standing "backlog" of prairie management needs on public and private lands. This effort focused primarily on woody removal and prescribed burning, although some restoration and other prairie management projects were implemented as well. Accelerated prairie management crews and contracts supplemented current levels of effort in priority prairie areas. We did not secure other funds for this project.

 Woody encroachment – (\$90,000/up to 3,600 acres of surrounding grassland benefited). A significant amount of woody encroachment has occurred on native prairie tracts over the past 50 years and is accelerating. Cutting scattered trees, fencerows, or small groves in prairies and grasslands can improve substantial areas of habitat. For example, removing trees along a 1/4 mile long fencerow (~1/2-acre of trees) can benefit up to 60 acres of habitat for grassland nesting birds.

• Prescribed burning – (\$43,000/1,000 acres burned) The importance of fire for keeping prairies healthy is widely recognized. However, a limited spring and fall burn season makes it impossible to accomplish prescribed burning needs given current resources. This activity builds on the success of a 2001 LCMR funded accelerated prairie burning project.

#### Project Results Use and Dissemination

Woody Encroachment

· Ulen 29 Prairie Bank – Section 29, T142N-R44W, Clay County – Mechanical removed Siberian Elm from native prairie, exotic species control on adjacent CRP, 78 acres.

Olson Prairie – Section 7, T104N-R36W, Jackson County – cut scattered brush and invading woody species from 60 acres.

Kleven Tract, Lac qui Parle WMA - Section 33, T119N-R42W, Chippewa County. Removed approx. 100 Siberian elm,

buckthorn, and cedar trees/shrubs encroaching on 36 acres of Dry Hill Prairie habitat.

• Hay Meadow Tract, Lac qui Parle WMA – Section 33, T120N-R43W, Swift County – Removed approximately 63 trees/shrubs benefiting 20 acres.

#### 2K:Prairie Management - MN DNR - Scientific and Natural Areas Program

• Hastad WPA, Morris Wetland Management District – Section 5, T119N-R43W, Lac qui Parle County. Removed approximately 107 trees/shrubs benefiting 320 acres.

Sandbo Tract, Lac qui Parle WMA – Section 35 & 36, T119N-R42W, Chippewa County. Removed approximately 190 trees/shrubs benefiting 50 acres.

• Thomas Prairie Bank Tract, Private Land – Section 25, T119N-R43W, Lac qui Parle County. Removed 635 trees/shrubs benefiting 80 acres.

• Thorstenson Tract, Lac qui Parle WMA – Section 20, T119N-R42W, Chippewa County. Removed approximately 110 trees/shrubs benefiting 60 acres.

• Terpstra Tract, Lac qui Parle WMA – Section 24, T119N-R43W, Lac qui Parle County. Removed approximately 50 trees/shrubs benefiting 80 acres.

• Haugen Tract, Lac qui Parle WMA – Section 19, T119N-R42W, Chippewa County. Removed approximately 50 trees/shrubs benefiting 80 acres.

• Anderson Tract, Lac qui Parle State Game Refuge, Chippewa County – ASV machine with shear attachment removed approximately 200 trees (Siberian elm, Russian olive, buckthorn, cottonwood) from 3 prairie restoration sites totaling 50 acres in size.

• Rieppel Tract, Lac qui Parle WMA – approx. 75 scattered trees & shrubs (European buckthorn, Russian Olive, cottonwood, box elder) were removed from 466 acres of mesic prairie.

· Crosby Tract, Lac qui Parle WMA – 240 scattered trees (red cedar, buckthorn, Russian olive) were removed from an 80-acre tract of mesic/hill prairie.

· Sleeping Bison Tract, Lac qui Parle WMA – 80 scattered trees (buckthorn, Siberian elm, red cedar, Russian olive) were removed from 378 acres of mesic prairie.

· Fulda WMA, Nobles County – scattered trees cut and treated

- Lone Tree WMA, Nobles County – scattered trees cut and treated

#### Prescribed Burning

• Petersburg 33 Prairie Bank – Section 33, T101-R34W, Jackson County. Firebreak installed and prescribed burn completed on 22 acres.

· Christiania 31-2 Prairie Bank – Section 33, T104-R35W, Jackson County. Firebreak installed and prescribed burn completed on 33 acres.

• Shelstad Tract, Lac qui Parle WMA – Section 22, T119N-R43W, Lac qui Parle County. Burned 103 acres of native prairie and 47 acres of native grassland restorations. 150 acres total.

- Hantho 25 Prairie Bank Section 25, T119N-R43W, Lac qui Parle County. Burned 80 acres of native prairie
- Moseng Tract, Lac qui Parle WMA Section 35, T119N-R42W, Chippewa County. Mesic Prairie Burn Site 11 acres.
- · Olson Tract, Lac qui Parle WMA Section 12, T118N-R42W, Chippewa County. Native grass restoration burn site 4 acres.
- Aamot Tract, Lac qui Parle WMA Section 6, T118N-R41W, Chippewa County. Native grass restoration burn site 11 acres.

Kleven Tract, Lac qui Parle WMA – Section 33, T119N-R42W, Chippewa County. Hill Prairie & native grass restoration burn sites – 36 acres total.

HQ Burn #1, Lac qui Parle WMA, Section 2, T118N-R42W, Chippewa County. Hill Prairie & native grass restoration – 33 acres.

- Engebretson Tract, Lac qui Parle WMA, Section 29, T119N-R42W, Chippewa County. Mesic prairie burn site 317 acres.
- · Great Bend 29 Prairie Bank, Cottonwood County, 116 acres burned
- Chrisitiana 31-1 Prairie Bank, Jackson County, 30 acres burned
- · Petersburg 26 Prairie Bank, Jackson County, 45 acres burned

#### Prairie Restoration

• Glacial Lake State Park - Tucker Prairie – Section 24, T124N-R39W, Pope County – large project involving removal of invading woody species, site prep and smooth brome elimination, and harvest and seeding of native prairie species from on-site. Total project area = 185 acres.

### 2K:Prairie Management - MN DNR - Scientific and Natural Areas Program

• Mickelson Prairie Bank – Section 27, T105-R36W, Cottonwood County – Interseeding of area previously disturbed by heavy grazing, collecting and broadcasting seeds from on-site for 5 acres.

• Eagle Lake 36 Prairie – Section 36, T131-R40W, Ottertail County – prairie restoration work including site preparation and seed collection for a 100 acre site.

	Restoration Activities					
Project Name: Project Area:	Tucker Prairie 3 - Border Prairie Township: 124, Range: 39, Section: 24					
Activity: Landtype: Description:	ype: Public - SNA					
				Acres	Shoreline	
			Non Prorated Totals	185.00	0.00	
Funding Type		Funds Use	Funding Amount	Prorated Acres	Prorated Shoreline Feet	
ETF		Restoration	\$31,640.00	185.00	0.00	
		Tucker Prairie Total	\$31,640.00	185.00	0.00	
Project Name: Project Area:	3 -	en 29 Prairie Bank Border Prairie wnship: 142, Range: 44, Section	: 29			
Activity: Landtype: Description:	Pri Me	assland Restoration vate - Lake chanical removal of invasive Sib acent to the Prairie Bank easem		Exotic species control on	CRP	
				Acres	Shoreline	
			Non Prorated Totals	78.00	0.00	
Funding Type		Funds Use	Funding Amount	Prorated Acres	Prorated Shoreline Feet	
ETF		Restoration	\$2,800.00	33.24	0.00	
ETF		Restoration	\$3,769.00	44.75	0.00	
		Ulen 29 Prairie Bank Total	\$6,569.00	77.99	0.00	

Project Name: Tract: Project Area:	Tho 6 -	ntho 25 Prairie omas family Upper Minnesota River wnship: 119, Range: 43, Section	: 25		
Activity: Landtype: Description:	Priv	assland Restoration vate - Land rned 80 acres of remnant native	prairie on private land. Adjaca	nt to the Lac Qui Parle V	VMA.
				Acres	Shoreline
			Non Prorated Totals	80.00	0.00
Funding Type		Funds Use	Funding Amount	Prorated Acres	Prorated Shoreline Feet
ETF		Restoration	\$2,109.00	80.00	0.00
		Hantho 25 Prairie Total	\$2,109.00	80.00	0.0
Project Name: Tract: Project Area: Activity: Landtype: Description:	We 6 - Tov Gra Priv	ntho 25 Prairie Bank est unit Upper Minnesota River wnship: 119, Range: 43, Section assland Restoration vate - Land moved 635 trees/shrubs.	: 25		
				Acres	Shoreline
			Non Prorated Totals	80.00	0.0
Funding Type		Funds Use	Funding Amount	Prorated Acres	Prorated Shoreline Feet
ETF		Restoration	\$993.20	80.00	0.0

Project Name: Project Area:	6 -	Hastad WPA 6 - Upper Minnesota River Township: 119, Range: 43, Section: 5					
Activity: Landtype: Description:	Grassland Restoration Public - WPA Removed approximately 107 trees/shrubs.						
				Acres	Shoreline		
			Non Prorated Totals	320.00	0.00		
Funding Type		Funds Use	Funding Amount	Prorated Acres	Prorated Shoreline Feet		
ETF		Restoration	\$3,150.80	320.00	0.00		
		Hastad WPA Total	\$3,150.80	320.00	0.00		

Project Name: Tract: Project Area:	She 6 -	: Qui Parle WMA elstad Upper Minnesota River vnship: 119, Range: 43, Section	: 22		
Activity: Landtype: Description:	Put	issland Enhancement blic - WMA ned 103 acres of native prairie a	and 47 acres of native grasslar	nd restorations.	
				Acres	Shoreline
			Non Prorated Totals	150.00	0.00
Funding Type		Funds Use	Funding Amount	Prorated Acres	Prorated Shoreline Feet
ETF		Restoration	\$2,643.00	150.00	0.00
Activity: Landtype: Description:	Put	issland Restoration blic - WMA noved approximately 63 trees/s	hrubs.		
				Acres	Shoreline
			Non Prorated Totals	20.00	0.0
Funding Type		Funds Use	Funding Amount	Prorated Acres	Prorated Shoreline Feet
ETF		Restoration	\$454.19	20.00	0.0
ETF		Restoration	\$723.50	50.00	0.0
ETF		Restoration	\$813.38	60.00	0.0
ETF		Restoration	\$993.20	80.00	0.0
ETF		Restoration	\$546.52	11.00	0.0
ETF		Restoration	\$402.03	4.00	0.0
ETF		Restoration	\$546.16	11.00	0.0
ETF		Restoration	\$1,060.91	36.00	0.0
ETF		Restoration	\$999.15	33.00	0.0
ETF		Restoration	\$6,846.70	317.00	0.0
ETF		Restoration	\$1,668.00	36.00	0.0
ETF		Restoration	\$993.20	80.00	0.0
		Lac Qui Parle WMA Total	\$18,689.94	888.00	0.0

Project Name: Tract: Project Area:	Lac Qui Parle WMA woody encroachment removal Sleeping Bison 6 - Upper Minnesota River Township: 120, Range: 43, Section: 18					
Activity: Landtype: Description:	Pub App	ssland Restoration lic - WMA rox. 75 scattered trees & shrub e removed from 466 acres of m		an Olive, cottonwood, bo	x elder)	
				Acres	Shoreline	
			Non Prorated Totals	378.00	0.0	
Funding Type		Funds Use	Funding Amount	Prorated Acres	Prorated Shoreline Fee	
ETF		Restoration	\$2,726.04	378.00	0.0	
ETF		Restoration	\$576.94	80.00	0.0	
ETF		Restoration	\$3,360.37	466.00	0.0	
ETF		Restoration	\$4,999.00	50.00	0.0	
Lac Qui Parle	WMA wo	oody encroachment remov	\$11,662.35	974.00	0.0	
Project Name: Project Area: Activity: Landtype: Description:	9 - E Tow Gras Priva	stiania 31-1 Des Moines River Valley Inship: 104, Range: 35, Section ssland Restoration ate - Land ved firebreaks and completed a				
				Acres	Shoreline	
			Non Prorated Totals	30.00	0.0	
Funding Type		Funds Use	Funding Amount	Prorated Acres	Prorated Shoreline Fee	
ETF		Restoration	\$2,956.10	30.00	0.0	
	-	Christiania 31-1 Total	\$2,956.10	30.00	0.0	

2K:	Prairie Management - MN D	NR - Scientific and Natur	al Areas Program	
Project Area:	Christiania 31-2 9 - Des Moines River Valley Fownship: 104, Range: 35, Sectior	n: 31		
Landtype:	Grassland Restoration Private - Land Firebreak installed and prescribed	burn completed.		
			Acres	Shoreline
		Non Prorated Totals	33.00	0.00
Funding Type	Funds Use	Funding Amount	Prorated Acres	Prorated Shoreline Feet
ETF	Restoration	\$2,145.00	33.00	0.00
	Christiania 31-2 Total	\$2,145.00	33.00	0.00
Project Area:	Eagle Lake 9 - Des Moines River Valley Fownship: 0, Range: 0, Section: 0			
Landtype:	Grassland Restoration Private - Land Prairie reconstruction work includin	ng site preparation and seed co	ellection for a 100 acres.	
			Acres	Shoreline
		Non Prorated Totals	100.00	0.00
Funding Type	Funds Use	Funding Amount	Prorated Acres	Prorated Shoreline Feet
ETF	Restoration	\$8,314.00	100.00	0.00
	Eagle Lake Total	\$8,314.00	100.00	0.00
Project Area:	Fulda WMA woody encroachment - Des Moines River Valley Fownship: 104, Range: 40, Sectior			
Landtype:	Grassland Restoration Public - WMA Scattered trees cut and treated with	h Garlon		
			Acres	Shoreline
		Non Prorated Totals	80.00	0.00
Funding Type	Funds Use	Funding Amount	Prorated Acres	Prorated Shoreline Feet
ETF	Restoration	\$179.00	80.00	0.00
Fulda WMA woody	· v encroachment removal Total	\$179.00	80.00	0.00

Project Name: Tract: Project Area:	1 9 -	eat Bend 29-1 Des Moines River Valley vnship: 105, Range: 36, Section	: 29		
Activity: Landtype: Description:	Priv	essland Restoration vate - Land wed breaks and completed prese	cribed burn		
				Acres	Shoreline
			Non Prorated Totals	116.00	0.0
Funding Type		Funds Use	Funding Amount	Prorated Acres	Prorated Shoreline Fee
ETF		Restoration	\$11,422.74	116.00	0.0
		Great Bend 29-1 Total	\$11,422.74	116.00	0.0
Activity: Landtype: Description:	Gra Put	vnship: 104, Range: 40, Section Issland Restoration Dic - WMA attered trees cut and treated with		A	Shoreline
		]	Non Prorated Totals	Acres 80.00	<b>Shoreline</b> 0.0
Funding Type		Funds Use	Funding Amount	Prorated Acres	Prorated Shoreline Fee
ETF		Restoration	\$1,372.00	80.00	0.0
Lone Tree WM	، A wood	ly encroachment removal T	\$1,372.00	80.00	0.0
Project Name: Project Area:	9 -	kelson Prairie Bank Des Moines River Valley vnship: 105, Range: 36, Section:	: 7		
Activity: Landtype: Description:	Priv	nssland Restoration vate - Lake prseeding areas of prairie previou	usly disturbed by heavy grazin	g. Seeds collected from	on-site.
Landtype:	Priv	vate - Lake	usly disturbed by heavy grazin	g. Seeds collected from Acres	on-site. Shoreline
Landtype:	Priv	vate - Lake	usly disturbed by heavy grazin Non Prorated Totals	-	Shoreline
Landtype:	Priv	vate - Lake		Acres	Shoreline 0.0 Prorated
Landtype: Description:	Priv	vate - Lake erseeding areas of prairie previou	Non Prorated Totals	Acres 5.00	Shoreline 0.0

2K:Pi	rairie Management - MN DI	NR - Scientific and Natur	al Areas Program		
Project Area: 9 -	son Prairie · Des Moines River Valley wnship: 104, Range: 36, Section	n: 7			
Landtype: Pr Description: Me	Grassland Restoration Private - Lake Mechanical and hand cutting of invasive woody species from native and restored prairie (all lands under perpetual easement).				
			Acres	Shoreline	
		Non Prorated Totals	0.00	0.00	
Funding Type	Funds Use	Funding Amount	Prorated Acres	Prorated Shoreline Feet	
ETF	Restoration	\$6,415.00	0.00	0.00	
	Olson Prairie Total	\$6,415.00	0.00	0.00	
Project Area: 9 - To Activity: Gr Landtype: Pr	etersberg 33 Des Moines River Valley wnship: 101, Range: 34, Section assland Restoration ivate - Land rebreaks mowed and prescribed				
			Acres	Shoreline	
		Non Prorated Totals	22.00	0.00	
Funding Type	Funds Use	Funding Amount	Prorated Acres	Prorated Shoreline Feet	
ETF	Restoration	\$1,430.00	22.00	0.00	
	Petersberg 33 Total	\$1,430.00	22.00	0.00	
Project Area: 9 - To Activity: Gr Landtype: Pr	etersburg 26 Des Moines River Valley wnship: 101, Range: 34, Section rassland Restoration ivate - Land owed breaks and completed pres				
			Acres	Shoreline	
		Non Prorated Totals	45.00	0.00	
Funding Type	Funds Use	Funding Amount	Prorated Acres	Prorated Shoreline Feet	
ETF					
	Restoration	\$4,434.16	45.00	0.00	

2	K:Pr	airie Management - MN DI	NR - Scientific and Natur	ral Areas Program		
Project Name: Project Area:	Storden 28 Prairie Bank 9 - Des Moines River Valley Township: 107, Range: 37, Section: 28					
Activity: Landtype: Description:	Pri	assland Restoration vate - Lake oody encroachment removal fron	n 50 acre Prairie Bank easeme	ent.		
				Acres	Shoreline	
			Non Prorated Totals	50.00	0.00	
Funding Type		Funds Use	Funding Amount	Prorated Acres	Prorated Shoreline Feet	
ETF		Restoration	\$7,500.00	50.00	0.00	
	St	orden 28 Prairie Bank Total	\$7,500.00	50.00	0.00	
Project Name: Project Area:	10	gell Prairie - Southern Lakes wnship: 111, Range: 19, Section	: 1			
Activity: Landtype: Description:	Priv	assland Restoration vate - Lake ody encroachment removal fron	n native prairie tract.			
				Acres	Shoreline	
			Non Prorated Totals	10.00	0.00	
Funding Type		Funds Use	Funding Amount	Prorated Acres	Prorated Shoreline Feet	
ETF		Restoration	\$5,000.00	10.00	0.00	
		Angell Prairie Total	\$5,000.00	10.00	0.00	
		Restoration Projec	t Totals (By Funding	Туре)		

Funding Type	Funding Amount	Prorated Acres	Shoreline Feet
ETF:	\$126,982.29	3,175.99	0.00
Total:	\$126,982.29	3,175.99	0.00

# Work Program Expenditures (Not Attributable to Specific Projects)

	FundingType	Category	Amount	Description
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ETF	Personnel Expenditures	\$1,788.18	These expenses were for project costs that could not be attributed to a specific project. Example expenses would be staff time spent on contract negotiation/coordination, project data collection and management, or equipment maintenance. All of these expenses supported the overall project outcomes
ETF	Equipment Costs	\$1,493.77	Project related vehicle/Fleet costs, Windom
ETF	Supplies and Misc	\$2,735.63	fencing supplies, Zillmer, seed cleaning equip
	Total:	\$6,017.58	

## Work Program Expenditures (Not Attributable to Specific Projects) By Funding Type

Funding Type	Amount	
ETF	\$6,017.58	
Total	\$6,017.58	

## Work Program Expenditures Breakdown

Funding Type:	Restoration Projects	Not Attributable to Specific Projects	Total
ETF	\$126,982.29	\$6,017.58	\$132,999.87
Total	\$126,982.29	\$6,017.58	\$132,999.87

# **Funding Type Definitions**

ETF:	Grant dollars provided through the Minnesota Environment and Natural Resources Trust Fund
Other Funds:	Non-state, non-state leveraged dollars (if partner funds are leveraging State Funds (e.g. RIM) they are not eligible to be considered Other Funds)
State Funds:	State Funds expended on HCP projects (not eligible for use as Other Funds commitment)
Partner's State Leveraged Funds:	Non State Funds that have leveraged State Funds as part of an HCP project (not eligible for use as Other Funds commitment)
Other:	Any other expenditures (e.g. grant income funds)

## Attachment A: Budget Detail for 2005 Projects

**Proposal Title: Habitat Corridors Phase III -** Prairie Management backlog (2k)

Project Manager Name: Jason Garms

LCMR Requested Dollars: \$133,000

2005 LCMR Proposal Budget	Result 1 Budget:	Result 1 Budget:	Result 1 Budget:
	Habitat restoration and	Habitat restoration and	Habitat restoration and
	management	management	management
BUDGET ITEM	TOTAL FOR BUDGET	TOTAL SPENT FOR	TOTAL BALANCE FOR
	ITEM	BUDGET ITEM	BUDGET ITEM
PERSONNEL: Staff expenses, wages, salaries	\$75,000.00	\$75,000.00	\$0.00
<ul> <li>– DNR seasonal crews, technician or specialist</li> <li>(~1500 hrs/yr total, 0.7 FTE)</li> </ul>	Ţ, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Ţ, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
Contracts	\$0.00		
<b>Project contracts -</b> w/ multiple vendors for prescribed burning, restoration, herbicide	\$36,500.00	\$36,500.00	\$0.00
Repairs	\$1,500.00	\$1,499.87	\$0.13
Vehicles - Project related DNR Fleet/vehicle costs	\$11,000.00	\$11,000.00	\$0.00
<b>Supplies -</b> project materials, herbicide, fuel, personal safety equipment, etc.	\$9,000.00	\$9,000.00	\$0.00
COLUMN TOTAL	\$133,000.00	\$132,999.87	\$0.13



