

LCCMR Work Program Final Report
Restoring Minnesota's Fish and Wildlife Habitat Corridors Phase 4
Habitat Conservation Partnership

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

Project Manager: Jason Garms **Fund:** Environment and Natural Resources Trust Fund
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Total Biennial Project Budget

Result	ENTF Allocation	ENTF Funds Spent	ENTF Balance	Other Funds Proposed	Other Funds Spent
Restoration	\$100,000	\$100,000	\$0	\$50,000	\$53,300
Total	\$100,000	\$100,000	\$0	\$50,000	\$53,300

Work Program Summary

Overall Project Outcome and Results

This project continues an initiative to tackle the 'backlog' of prairie and grassland management needs in priority prairie landscapes. It focuses primarily on woody encroachment removal and prescribed burning, although some restoration and other prairie management projects will be implemented, Prairie management crews and contracts will be used to accelerate current levels of effort. Existing grasslands are impaired by the encroachment of woody vegetation. A lone tree, for example, can affect nesting grassland birds over a radius of 200 yards around that tree (6.5 ac.). A 1/4 mile long tree line on the edge of a field influences approximately 40 acres. The cost of tree removal has ranged between \$5.22 and \$8.00 per tree, or \$25 per acre impacted. Tree and brush removal funded by this project will improve an estimated 2,000 acres native prairie and other grassland habitat. Prescribed burns on native prairie every four to five years is the most effective means to accomplish management goals. This project will accelerate existing efforts and result in an estimated additional 1000 acres burned.

This effort will focus primarily on woody removal and prescribed burning, although some restoration and other prairie management projects will be implemented as well.

Description

Woody encroachment - 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 5 mile long fencerow (-1/2 acre of trees) can benefit up to 60 acres of habitat for grassland nesting birds.

Prescribed burning - 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 past LCMR accelerated prairie burning projects.

Project Results Use and Dissemination

Outline of Final Project Results

Woody Encroachment - A total of 134 acres of invading trees and brush have been removed from native prairie, which provides a benefit to all surrounding prairies and other grasslands. Two were completed on Native Prairie Bank easements (Blue Earth and Kandiyohi Counties), and one project completed on an Scientific & Natural Area (Prairie Bush Clover SNA - Jackson County).

Prescribed Burning - A total of 1177 acres of native prairie and surrounding grasslands have been a prescribed burn treatment 8/24/2009

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with these project funds. Prescribed burn plans were written for 26 sites and 23 burns were completed. 10 of these burns where on Scientific and Natural Areas, 13 of them where on perpetual Native Prairie Bank easements.

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Restoration Activities

Project Area - 1 - Aspen Parklands

Project Name: Pembina Trail SNA Township: 149, Range: 45, Section: 36				
Activity: Grassland Enhancement				
Landtype: Public - SNA				
Description: Firebreak installed and a prescribed burn was conducted on 89 acres of native prairie.				
<i>Funding Type</i>	<i>Funds Use</i>	<i>Funding Amount</i>	<i>Prorated Acres</i>	<i>Prorated Shoreline</i>
ENTF	Restoration	\$3,480.00	89.00	0.00
Project Name: Lake Pleasant 22 Prairie Bank Township: 150, Range: 44, Section: 22				
Activity: Grassland Enhancement				
Landtype: Private - Land				
Description: Firebreak installed and a prescribed burn was conducted on 24 acres of native prairie.				
<i>Funding Type</i>	<i>Funds Use</i>	<i>Funding Amount</i>	<i>Prorated Acres</i>	<i>Prorated Shoreline</i>
ENTF	Restoration	\$2,600.00	24.00	0.00

Project Area - 6 - Upper Minnesota River

Project Name: Camp Release 30 Prairie Bank Township: 118, Range: 41, Section: 30				
Activity: Grassland Enhancement				
Landtype: Private - Land				
Description: Firebreak installed and a prescribed burn was conducted on 12 acres of native prairie.				
<i>Funding Type</i>	<i>Funds Use</i>	<i>Funding Amount</i>	<i>Prorated Acres</i>	<i>Prorated Shoreline</i>
ENTF	Restoration	\$2,450.00	12.00	0.00
Project Name: Camp Release 32 Prairie Bank Township: 117, Range: 41, Section: 32				
Activity: Grassland Enhancement				
Landtype: Private - Land				
Description: Firebreak installed and a prescribed burn was conducted on 37 acres of native prairie.				
<i>Funding Type</i>	<i>Funds Use</i>	<i>Funding Amount</i>	<i>Prorated Acres</i>	<i>Prorated Shoreline</i>
ENTF	Restoration	\$2,975.00	37.00	0.00
Project Name: Hantho 17 Prairie Bank Township: 119, Range: 43, Section: 17				
Activity: Grassland Enhancement				
Landtype: Private - Land				
Description: Firebreak installed and a prescribed burn was conducted on 32 acres of native prairie.				
<i>Funding Type</i>	<i>Funds Use</i>	<i>Funding Amount</i>	<i>Prorated Acres</i>	<i>Prorated Shoreline</i>
ENTF	Restoration	\$2,760.00	32.00	0.00
Project Name: Schellberg Prairie Bank Township: 122, Range: 46, Section: 35				
Activity: Grassland Enhancement				
Landtype: Private - Land				
Description: Firebreak installed and a prescribed burn was conducted on 53 acres of native prairie.				
<i>Funding Type</i>	<i>Funds Use</i>	<i>Funding Amount</i>	<i>Prorated Acres</i>	<i>Prorated Shoreline</i>
ENTF	Restoration	\$2,950.00	53.00	0.00

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Project Area - 9 - Des Moines River Valley

Project Name: Storden 21 Prairie Bank Township: 107, Range: 37, Section: 21				
Activity: Grassland Enhancement				
Landtype: Private - Land				
Description: Firebreak installed and a prescribed burn was conducted on 20 acres of native prairie.				
<i>Funding Type</i>	<i>Funds Use</i>	<i>Funding Amount</i>	<i>Prorated Acres</i>	<i>Prorated Shoreline</i>
ENTF	Restoration	\$2,775.00	20.00	0.00
Project Name: Belmont 5 Prairie Bank Township: 103, Range: 35, Section: 5				
Activity: Grassland Enhancement				
Landtype: Private - Land				
Description: Firebreak installed and a prescribed burn was conducted on 49 acres of native prairie.				
<i>Funding Type</i>	<i>Funds Use</i>	<i>Funding Amount</i>	<i>Prorated Acres</i>	<i>Prorated Shoreline</i>
ENTF	Restoration	\$2,950.00	49.00	0.00
Project Name: Holly 2 Prairie Bank Township: 108, Range: 39, Section: 2				
Activity: Grassland Enhancement				
Landtype: Private - Land				
Description: Firebreak installed and a prescribed burn was conducted on 50 acres of native prairie.				
<i>Funding Type</i>	<i>Funds Use</i>	<i>Funding Amount</i>	<i>Prorated Acres</i>	<i>Prorated Shoreline</i>
ENTF	Restoration	\$2,850.00	50.00	0.00
Project Name: Purrington Prairie Township: 105, Range: 36, Section: 9				
Activity: Grassland Enhancement				
Landtype: Private - Land				
Description: Firebreak installed and a prescribed burn was conducted on 16 acres of native prairie.				
<i>Funding Type</i>	<i>Funds Use</i>	<i>Funding Amount</i>	<i>Prorated Acres</i>	<i>Prorated Shoreline</i>
ENTF	Restoration	\$2,550.00	16.00	0.00
Project Name: Staples property Township: 103, Range: 35, Section: 6				
Activity: Grassland Enhancement				
Landtype: Private - Land				
Description: Firebreak installed and a prescribed burn was conducted on 4 acres of restored prairie.				
<i>Funding Type</i>	<i>Funds Use</i>	<i>Funding Amount</i>	<i>Prorated Acres</i>	<i>Prorated Shoreline</i>
ENTF	Restoration	\$1,490.00	4.00	0.00
Project Name: Des Moines River Prairie SNA Township: 104, Range: 35, Section: 19				
Activity: Grassland Enhancement				
Landtype: Public - SNA				
Description: Firebreak installed and a prescribed burn was conducted on 86 acres of native and restored prairie.				
<i>Funding Type</i>	<i>Funds Use</i>	<i>Funding Amount</i>	<i>Prorated Acres</i>	<i>Prorated Shoreline</i>
ENTF	Restoration	\$2,990.00	86.00	0.00

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Project Name: Gylmn Prairie SNA Township: 109, Range: 40, Section: 7				
Activity: Grassland Enhancement				
Landtype: Public - SNA				
Description: Firebreak installed and a prescribed burn was conducted on 32 acres of native prairie.				
<i>Funding Type</i>	<i>Funds Use</i>	<i>Funding Amount</i>	<i>Prorated Acres</i>	<i>Prorated Shoreline</i>
ENTF	Restoration	\$3,430.00	32.00	0.00
Project Name: Lundblad Prairie SNA Township: 105, Range: 41, Section: 1				
Activity: Grassland Enhancement				
Landtype: Public - SNA				
Description: Firebreak installed and a prescribed burn was conducted on 30 acres of native and restored prairie.				
<i>Funding Type</i>	<i>Funds Use</i>	<i>Funding Amount</i>	<i>Prorated Acres</i>	<i>Prorated Shoreline</i>
ENTF	Restoration	\$2,720.00	30.00	0.00
Project Name: Prairie Bush Clover SNA Township: 103, Range: 35, Section: 17				
Activity: Grassland Enhancement				
Landtype: Public - SNA				
Description: Woody encroachment was removed from 20 acres of native prairie. Encroachment had been threatening a Prairie Bush Clover population (Federally listed sps).				
<i>Funding Type</i>	<i>Funds Use</i>	<i>Funding Amount</i>	<i>Prorated Acres</i>	<i>Prorated Shoreline</i>
ENTF	Restoration	\$8,000.00	20.00	0.00

Project Area - 10 - Southern Lakes

Project Name: Angell Prairie Township: 111, Range: 19, Section: 1				
Activity: Grassland Enhancement				
Landtype: Private - Land				
Description: Invasive woody species removed from a remnant native prairie. The site has Prairie Bush-Clover and many other rare species.				
<i>Funding Type</i>	<i>Funds Use</i>	<i>Funding Amount</i>	<i>Prorated Acres</i>	<i>Prorated Shoreline</i>
ENTF	Restoration	\$6,500.00	8.00	0.00
Project Name: Judson 3 Prairie Bank Township: 108, Range: 28, Section: 3				
Activity: Grassland Enhancement				
Landtype: Private - Land				
Description: Woody encroachment was removed from 16 acres of native prairie.				
<i>Funding Type</i>	<i>Funds Use</i>	<i>Funding Amount</i>	<i>Prorated Acres</i>	<i>Prorated Shoreline</i>
ENTF	Restoration	\$1,760.00	16.00	0.00
Project Name: Hythecker Prairie SNA Township: 107, Range: 18, Section: 31				
Activity: Grassland Enhancement				
Landtype: Public - SNA				
Description: Firebreak installed and a prescribed burn was conducted on 21 acres of native prairie.				
<i>Funding Type</i>	<i>Funds Use</i>	<i>Funding Amount</i>	<i>Prorated Acres</i>	<i>Prorated Shoreline</i>
ENTF	Restoration	\$3,525.00	21.00	0.00

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Project Name: Osmundson Prairie Township: 101, Range: 24, Section: 36				
Activity: Grassland Enhancement				
Landtype: Public - SNA				
Description: Firebreak installed and a prescribed burn was conducted on 3 acres of native prairie.				
<i>Funding Type</i>	<i>Funds Use</i>	<i>Funding Amount</i>	<i>Prorated Acres</i>	<i>Prorated Shoreline</i>
ENTF	Restoration	\$1,890.00	3.00	0.00

Project Area - 11 - Mississippi Bluff Lands

Project Name: Kellog-Weaver Dunes SNA Township: 109, Range: 9, Section: 6				
Activity: Grassland Enhancement				
Landtype: Public - SNA				
Description: Firebreak installed and a prescribed burn was conducted on 100 acres of native prairie.				
<i>Funding Type</i>	<i>Funds Use</i>	<i>Funding Amount</i>	<i>Prorated Acres</i>	<i>Prorated Shoreline</i>
ENTF	Restoration	\$2,825.00	100.00	0.00

Project Name: Oronoco Prairie SNA Township: 108, Range: 14, Section: 22				
Activity: Grassland Enhancement				
Landtype: Public - SNA				
Description: Firebreak installed and a prescribed burn was conducted on 4 different units for a total of 37 acres of native prairie burned.				
<i>Funding Type</i>	<i>Funds Use</i>	<i>Funding Amount</i>	<i>Prorated Acres</i>	<i>Prorated Shoreline</i>
ENTF	Restoration	\$3,645.00	37.00	0.00

Project Area - 3-7-8 - Border Prairie Transition Zone

Project Name: B-B Prairie Bank Township: 141, Range: 46, Section: 13				
Activity: Grassland Enhancement				
Landtype: Private - Land				
Description: Firebreak installed and a prescribed burn was conducted on 215 acres of native prairie.				
<i>Funding Type</i>	<i>Funds Use</i>	<i>Funding Amount</i>	<i>Prorated Acres</i>	<i>Prorated Shoreline</i>
ENTF	Restoration	\$4,600.00	215.00	0.00

Project Name: Clay County Prairie Township: 141, Range: 45, Section: 6				
Activity: Grassland Enhancement				
Landtype: Private - Land				
Description: Firebreak installed and a prescribed burn was conducted on 167 acres of native prairie.				
<i>Funding Type</i>	<i>Funds Use</i>	<i>Funding Amount</i>	<i>Prorated Acres</i>	<i>Prorated Shoreline</i>
ENTF	Restoration	\$4,550.00	167.00	0.00

Project Name: Nidaros 21 Prairie Bank Township: 132, Range: 39, Section: 22				
Activity: Grassland Enhancement				
Landtype: Private - Land				
Description: Firebreak installed and a prescribed burn was conducted on 20 acres of native prairie.				
<i>Funding Type</i>	<i>Funds Use</i>	<i>Funding Amount</i>	<i>Prorated Acres</i>	<i>Prorated Shoreline</i>
ENTF	Restoration	\$2,630.00	20.00	0.00

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Project Name: Blanket Flower Prairie SNA Township: 137, Range: 44, Section: 11				
Activity: Grassland Enhancement				
Landtype: Public - SNA				
Description: Firebreak installed and a prescribed burn was conducted on 64 acres of native prairie.				
<i>Funding Type</i>	<i>Funds Use</i>	<i>Funding Amount</i>	<i>Prorated Acres</i>	<i>Prorated Shoreline</i>
ENTF	Restoration	\$3,840.00	64.00	0.00
Project Name: VeryIn Marth SNA Township: 126, Range: 42, Section: 6				
Activity: Grassland Enhancement				
Landtype: Public - SNA				
Description: Firebreak installed and a prescribed burn was conducted on 16 acres of native prairie.				
<i>Funding Type</i>	<i>Funds Use</i>	<i>Funding Amount</i>	<i>Prorated Acres</i>	<i>Prorated Shoreline</i>
ENTF	Restoration	\$2,760.00	16.00	0.00
Project Name: Norway Lake 5 Prairie Bank Township: 123, Range: 36, Section: 5				
Activity: Grassland Enhancement				
Landtype: Private - Land				
Description: Woody encroachment was removed from 90 acres of native prairie.				
<i>Funding Type</i>	<i>Funds Use</i>	<i>Funding Amount</i>	<i>Prorated Acres</i>	<i>Prorated Shoreline</i>
ENTF	Restoration	\$14,505.00	90.00	0.00

Restoration Project Totals (By Funding Type)

Funding Type	Funding Amount	Acres	Shoreline Feet
ENTF:	\$100,000.00	1,311.00	0.00
Total:	\$100,000.00	1,311.00	0.00

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Work Program Expenditures - Not Attributable to Specific Projects

<i>FundingType</i>	<i>Category</i>	<i>Amount</i>	<i>Description</i>
Other Funds	Personnel Expenditures	\$17,000.00	Salary expenditures resulting from technical and cost-share assistance provided to native prairie landowners (Landowner Incentive Program - LIP funds)
Other Funds	Equipment Costs	\$8,900.00	Equipment costs resulting from technical and cost-share assistance activities provided to native prairie landowners (Landowner Incentive Program - LIP funds)
Other Funds	Technical Assistance	\$23,300.00	Cost-share assistance provided to native prairie landowners for stewardship activities(Landowner Incentive Program - LIP funds)
Other Funds	Admin	\$2,000.00	Costs associated with administering the Landowner Incentive Program - LIP
Other Funds	Supplies and Misc	\$2,100.00	Supply costs associated with implementation of prairie stewardship activities funded by the Landowner Incentive Program funds (LIP)
Total:		\$53,300.00	

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

Funding Type	Amount
Other Funds	\$53,300.00
Total	\$53,300.00

Work Program Expenditures Breakdown

Funding Type:	Restoration Projects	Not Attributable to Specific Projects	Total
ENTF	\$100,000.00	\$0.00	\$100,000.00
Other Funds	\$0.00	\$53,300.00	\$53,300.00
Total	\$100,000.00	\$53,300.00	\$153,300.00

Funding Type Definitions

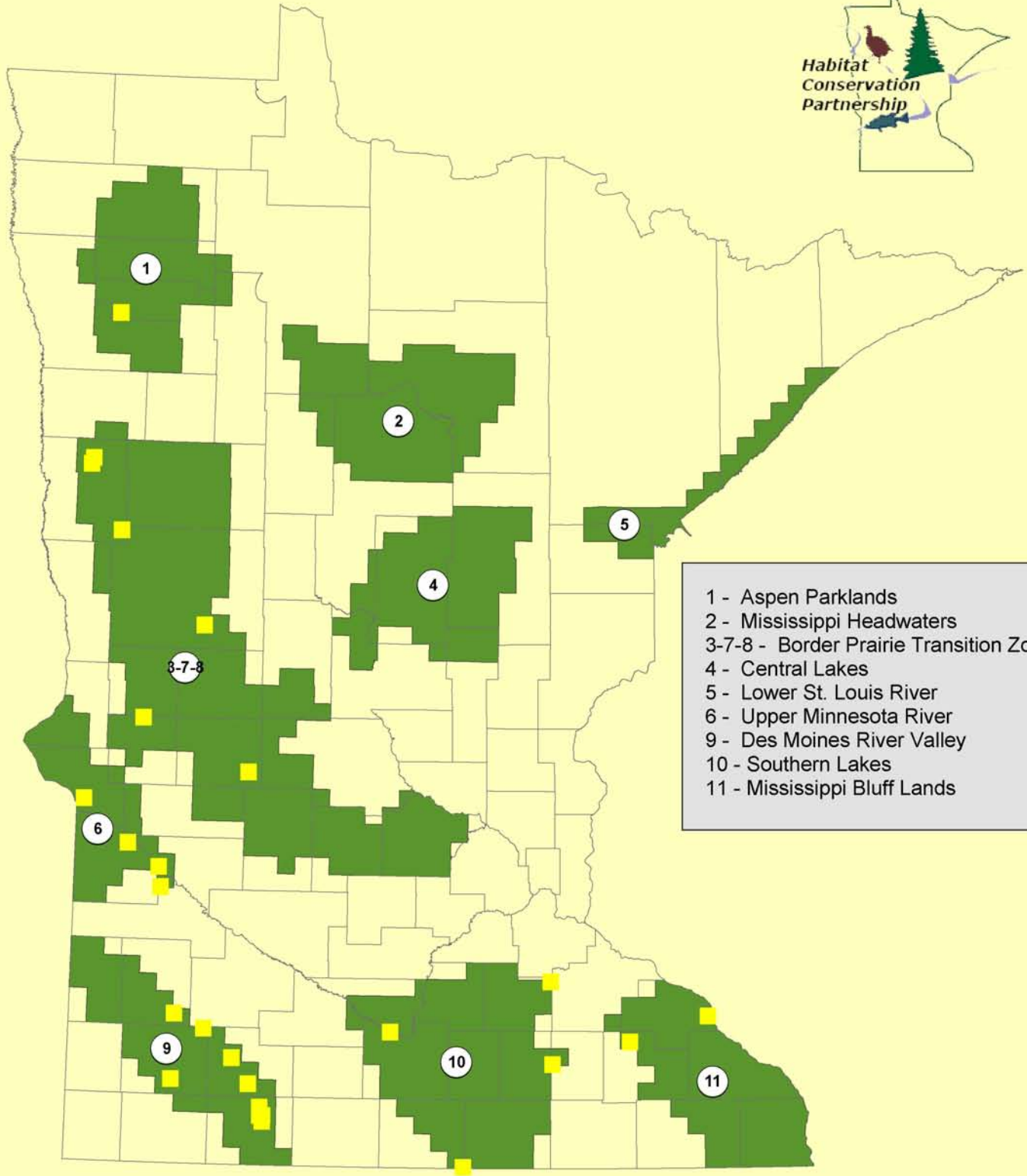
ENTF:	Grant dollars provided through the Minnesota Environment and Natural Resources Trust Fund
Other Funds:	Non-state, non-state leveraged dollars (if partner funds are leveraging State Funds (e.g. RIM) they are not eligible to be considered Other Funds)
State Funds:	State Funds expended on HCP projects (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 2007 Projects**Project Title:** Habitat Conservation Partnership Phase IV, Habitat Restoration and Management 2K - Prairie Management. Subd.4b2k**Project Manager Name:** Jason Garms**Trust Fund Appropriation:** \$ 100,000

2007 Trust Fund Budget	<u>Result 1 Budget:</u>	Amount Spent	Balance	TOTAL BUDGET	TOTAL BALANCE
	Habitat Restoration and Management				
BUDGET ITEM					
PERSONNEL: wages and benefits	\$60,000	\$61,200	-\$1,200	\$60,000	-\$1,200
Contracts					
Other contracts: prescribed burning and woody encroachment contracts	\$15,000	\$13,500	\$1,500	\$15,000	\$1,500
Equipment / Tools (project supplies, vehicle fleet costs (e.g. ATV, Pick-up, ASV tracked vehicle))	\$25,000	\$25,300	-\$300	\$25,000	-\$300
COLUMN TOTAL	\$100,000	\$100,000	\$0	\$100,000	\$0

Habitat Conservation Partnership Phase 4 - Accomplishments

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



- 1 - Aspen Parklands
- 2 - Mississippi Headwaters
- 3-7-8 - Border Prairie Transition Zone
- 4 - Central Lakes
- 5 - Lower St. Louis River
- 6 - Upper Minnesota River
- 9 - Des Moines River Valley
- 10 - Southern Lakes
- 11 - Mississippi Bluff Lands

 Restorations	 Easements	 Acquisitions
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