

## **2008 Project Abstract**

For the Period Ending June 30, 2010

**PROJECT TITLE:** 2K: Prairie Management – MN DNR – Scientific and Natural Areas Program

**PROJECT MANAGER:** Jason Garms

**AFFILIATION:** MN DNR

**MAILING ADDRESS:** 500 Lafayette Rd

**CITY/STATE/ZIP:** St. Paul, MN 55155

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**FUNDING SOURCE:** Environment and Natural Resources Trust Fund

**LEGAL CITATION:** ML 2008 First Special Section, Ch.367, Sec.2 Subd.3(c)

**APPROPRIATION AMOUNT: \$75,000**

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

This project continued the initiative to tackle the 'backlog' of prairie management needs in priority prairie landscapes, focusing on the highest quality prairies identified by the MN County Biological Survey program. All projects were on permanently protected lands in DNR ownership. Seven woody encroachment control projects were completed on Native Prairie Bank easements, Scientific and Natural Areas, and MN State Parks for a total of 240.5 acres. These projects ranged from small hand cutting to large mechanical cutting operations. Target species included buckthorn, siberian elm, boxelder, cottonwood, and red cedar. Reconstruction activities took place on 3 different sites, 1 Native Prairie Bank, 1 State Park and 1 SNA. All three projects included seed harvesting activities and site preparation for future reconstructions. Seed from the Glacial Lake State Park project was installed. Six prescribed burns were completed on 424 acres, which includes firebreaks and other preparations. Three prescribed fire projects were on SNA's, 2 projects were on Native Prairie Banks, and 1 burn was on a State Park. Five invasive species control projects were completed on 190.5 acres. Projects involved Leafy Spurge beetle releases, Birdsfoot Trefoil pulling, and Canada thistle treatments. Two projects were on SNA's and 3 projects were on Native Prairie Banks.

### **Project Results Use and Dissemination**

Project activities are recorded by DNR - SNA staff in the program management files. This information is later used in evaluating long-term management goals.

**LCCMR Work Program Final Report**  
**Restoring Minnesota's Fish and Wildlife Habitat Corridors Phase 5**  
**Habitat Conservation Partnership**

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

<b>Project Manager:</b>	Jason Garms	<b>Fund:</b> Environment and Natural Resources Trust Fund
<b>Affiliation:</b>	MN DNR - Scientific and Natural Areas Program	
<b>Address:</b>	500 Lafayette Rd St. Paul, MN 55155	
<b>Phone:</b>	651-259-5130	<b>Legal Citation:</b> ML 2008 First Special Section, Ch. 367, Sec. 2 Subd. 3(c).
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**Total Biennial Project Budget**

Result	ENTF Allocation	ENTF Funds Spent	ENTF Balance	Other Funds Proposed	Other Funds Spent
<b>Restoration</b>	\$75,000	\$74,700	\$300	\$0	\$0
<b>Total</b>	\$75,000	\$74,700	\$300	\$0	\$0

**Work Program Summary**

**Overall Project Outcome and Results**

Woody encroachment - 7 woody encroachment control projects have been completed on Native Prairie Bank easements, Scientific and Natural Areas, and MN State Parks for a total of 240.5 acres. Projects range from small hand cutting to large mechanical cutting operations. Target species include buckthorn, siberian elm, boxelder, cottonwood, and red cedar.

Restoration/reconstruction - Reconstruction activities took place on 3 different sites (1 Native Prairie Bank, 1 State Park, and 1 SNA). All three projects included seed harvesting activities and site preparation. Seed from the Glacial Lake State Park project was installed.

Prescribed burn - 6 rxburns were completed on 424 acres, which includes firebeaks and other preparations. 3 projects were on SNA's, 2 projects were on Native Prairie Banks, and 1 burn was on a State Park.

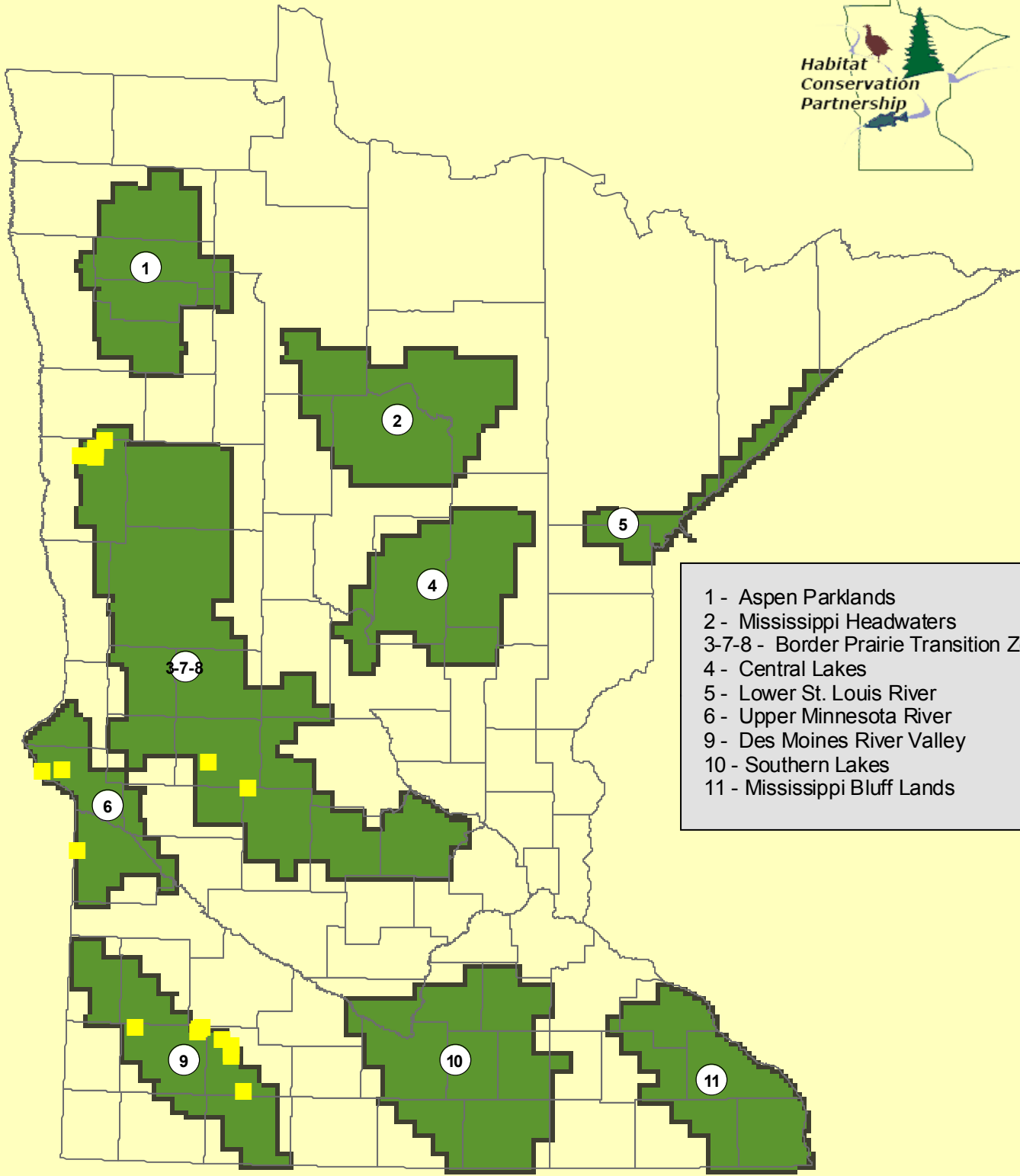
Invasive species control - 5 invasive species control projects have been completed on 190.5 acres. Projects involved Leafy Spurge beetle releases, Birdsfoot Trefoil pulling, and Canada thistle treatments. 2 projects were on SNA's and 3 projects were on Native Prairie Banks.

**Project Results Use and Dissemination**




Project activities are recorded by DNR - SNA staff in the program management files. This information is later used in evaluating long-term management goals.

# Habitat Conservation Partnership Phase 5 Accomplishments

2K - Prairies Management



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

**Restoration Activities**

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

Project Area - 3 - Border Prairie

<b>Project Name:</b> Glacial Lakes State Park Township: 124, Range: 39, Section: 24  <b>Activity:</b> Grassland Enhancement <b>Landtype:</b> Public - SNA <b>Description:</b> Ash and Boxelder trees were removed stumps treated on 15 acres of native prairie and savanna. Siberian Elm and Buckthorn				
<i>Funding Type</i>	<i>Funds Use</i>	<i>Funding Amount</i>	<i>Prorated Acres</i>	<i>Prorated Shoreline</i>
ENTF	Restoration	\$7,800.00	30.00	0.00
<b>Project Name:</b> Glacial Lakes State Park Township: 124, Range: 39, Section: 24  <b>Activity:</b> Grassland Enhancement <b>Landtype:</b> Public - SNA <b>Description:</b> A 48-acre mix if native and reconstructed prairie was burned using a DNR and MCC staff. Firebreaks were also constructed prior to the burn.				
<i>Funding Type</i>	<i>Funds Use</i>	<i>Funding Amount</i>	<i>Prorated Acres</i>	<i>Prorated Shoreline</i>
ENTF	Restoration	\$3,200.00	0.00	0.00
<b>Project Name:</b> Glacial Lakes State Park Township: 124, Range: 39, Section: 24  <b>Activity:</b> Grassland Restoration <b>Landtype:</b> Public - SNA <b>Description:</b> Native prairie seeds were collected from 48 acres of native prairie. Seeds were used for a reconstruction projects on the same project site.				
<i>Funding Type</i>	<i>Funds Use</i>	<i>Funding Amount</i>	<i>Prorated Acres</i>	<i>Prorated Shoreline</i>
ENTF	Restoration	\$5,800.00	48.00	0.00
<b>Project Name:</b> Felton Prairie Township: 142, Range: 45, Section: 2  <b>Activity:</b> Grassland Restoration <b>Landtype:</b> Private - Land <b>Description:</b> 160 acres were harvested by both contractors and DNR crews. Seed will be used on the same project site in the following year.				
<i>Funding Type</i>	<i>Funds Use</i>	<i>Funding Amount</i>	<i>Prorated Acres</i>	<i>Prorated Shoreline</i>
ENTF	Restoration	\$3,495.00	160.00	0.00
<b>Project Name:</b> Felton Prairie SNA <b>Tract:</b> Assinaboia Township: 142, Range: 45, Section: 20  <b>Activity:</b> Grassland Enhancement <b>Landtype:</b> Private - Lake <b>Description:</b> 30 acres of native prairie was burned.				
<i>Funding Type</i>	<i>Funds Use</i>	<i>Funding Amount</i>	<i>Prorated Acres</i>	<i>Prorated Shoreline</i>
ENTF	Restoration	\$1,950.00	30.00	0.00

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

<b>Project Name:</b>	Felton Prairie SNA
<b>Tract:</b>	Bicentennial Township: 142, Range: 45, Section: 29
<b>Activity:</b>	Grassland Enhancement
<b>Landtype:</b>	Public - SNA
<b>Description:</b>	53 acres of native prairie was burned

<i>Funding Type</i>	<i>Funds Use</i>	<i>Funding Amount</i>	<i>Prorated Acres</i>	<i>Prorated Shoreline</i>
ENTF	Restoration	\$3,445.00	53.00	0.00

<b>Project Name:</b>	Felton Prairie SNA
<b>Tract:</b>	Shrike Township: 141, Range: 45, Section: 5
<b>Activity:</b>	Grassland Enhancement
<b>Landtype:</b>	Public - SNA
<b>Description:</b>	45 acres of native prairie was burned.

<i>Funding Type</i>	<i>Funds Use</i>	<i>Funding Amount</i>	<i>Prorated Acres</i>	<i>Prorated Shoreline</i>
ENTF	Restoration	\$2,145.00	45.00	0.00

<b>Project Name:</b>	B-B Prairie Bank Township: 141, Range: 46, Section: 5
<b>Activity:</b>	Grassland Enhancement
<b>Landtype:</b>	Private - Land
<b>Description:</b>	146 acres of native prairie was burned on the B-B Ranch Prairie Bank

<i>Funding Type</i>	<i>Funds Use</i>	<i>Funding Amount</i>	<i>Prorated Acres</i>	<i>Prorated Shoreline</i>
ENTF	Restoration	\$2,390.00	146.00	0.00

Project Area - 6 - Upper Minnesota River

<b>Project Name:</b>	Clinton Prairie SNA Township: 123, Range: 47, Section: 16
<b>Activity:</b>	Grassland Enhancement
<b>Landtype:</b>	Public - SNA
<b>Description:</b>	Inventory and treatment of invasive species on native prairie.

<i>Funding Type</i>	<i>Funds Use</i>	<i>Funding Amount</i>	<i>Prorated Acres</i>	<i>Prorated Shoreline</i>
ENTF	Restoration	\$1,700.00	78.00	0.00

<b>Project Name:</b>	Bonanza Prairie SNA Township: 123, Range: 48, Section: 20
<b>Activity:</b>	Grassland Enhancement
<b>Landtype:</b>	Public - SNA
<b>Description:</b>	MCC crew hand cut woody species invading the native prairie on Bonanza Prairie SNA. Woody species were cut and stumps treated.

<i>Funding Type</i>	<i>Funds Use</i>	<i>Funding Amount</i>	<i>Prorated Acres</i>	<i>Prorated Shoreline</i>
ENTF	Restoration	\$3,000.00	30.00	0.00

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

Project Area - 7 - Alexandria Moraine

<b>Project Name:</b>	Norway Lake 5			
	Township: 122, Range: 36, Section: 5			
<b>Activity:</b>	Grassland Enhancement			
<b>Landtype:</b>	Private - Land			
<b>Description:</b>	Red cedar trees were cut from 20 acres of native prairie. Project site is enrolled in Native Prairie Bank.			
<i>Funding Type</i>	<i>Funds Use</i>	<i>Funding Amount</i>	<i>Prorated Acres</i>	<i>Prorated Shoreline</i>
ENTF	Restoration	\$4,000.00	20.00	0.00
ENTF	Restoration	\$4,000.00	44.00	0.00
Grassland Enhancement Total		\$8,000.00	64.00	0.00
<b>Norway Lake 5 Total</b>		<b>\$8,000.00</b>	<b>64.00</b>	<b>0.00</b>

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

Project Area - 9 - Des Moines River Valley

<b>Project Name:</b> Holly 2 Prairie Bank Township: 108, Range: 39, Section: 2				
<b>Activity:</b> Grassland Restoration <b>Landtype:</b> Private - Land <b>Description:</b> Native Prairie Bank harvested in preparation for a future prairie restoration on cropped land adjacent to the native prairie.				
<i>Funding Type</i>	<i>Funds Use</i>	<i>Funding Amount</i>	<i>Prorated Acres</i>	<i>Prorated Shoreline</i>
ENTF	Restoration	\$1,800.00	2.00	0.00
<b>Project Name:</b> Ann 25 PB Township: 108, Range: 38, Section: 25				
<b>Activity:</b> Grassland Restoration <b>Landtype:</b> Private - Land <b>Description:</b> Scattered boxelder, ash, and cottonwood trees cut and removed from 24.5 acres of native prairie. Project area is enrolled in Native Prairie Bank Program.				
<i>Funding Type</i>	<i>Funds Use</i>	<i>Funding Amount</i>	<i>Prorated Acres</i>	<i>Prorated Shoreline</i>
ENTF	Restoration	\$8,200.00	24.50	0.00
<b>Project Name:</b> Pilegaard PB Township: 108, Range: 43, Section: 11				
<b>Activity:</b> Grassland Enhancement <b>Landtype:</b> Private - Land <b>Description:</b> Boxelder and cottonwood trees were removed from 25 acres of native prairie and 19 acres of adjacent reconstructed prairie that is enrolled in RIM. Native prairies are enrolled in Native Prairie Bank Program.				
<i>Funding Type</i>	<i>Funds Use</i>	<i>Funding Amount</i>	<i>Prorated Acres</i>	<i>Prorated Shoreline</i>
ENTF	Restoration	\$7,875.00	44.00	0.00
<b>Project Name:</b> Storden 4 PB Township: 107, Range: 37, Section: 4				
<b>Activity:</b> Grassland Enhancement <b>Landtype:</b> Private - Land <b>Description:</b> Scattered siberian elm, buckthorn, and cottonwoods were cut and stumps treated on 43 acres of native prairie enrolled in the Native Prairie Bank Program. Birdsfoot Trefoil was also pulled from 1-acre.				
<i>Funding Type</i>	<i>Funds Use</i>	<i>Funding Amount</i>	<i>Prorated Acres</i>	<i>Prorated Shoreline</i>
ENTF	Restoration	\$6,935.00	44.00	0.00
<b>Project Name:</b> Wahl Prairie Township: 108, Range: 39, Section: 16				
<b>Activity:</b> Grassland Restoration <b>Landtype:</b> Private - Land <b>Description:</b> Encroaching woody species were cut and removed from 4 acres of native prairie on private land. The project area is under a DNR Private Landowner Agreement.				
<i>Funding Type</i>	<i>Funds Use</i>	<i>Funding Amount</i>	<i>Prorated Acres</i>	<i>Prorated Shoreline</i>
ENTF	Restoration	\$1,235.00	4.00	0.00



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

<b>Project Name:</b>	Yellow Bank Hills SNA Township: 118, Range: 46, Section: 4
<b>Activity:</b>	Grassland Enhancement
<b>Landtype:</b>	Public - SNA
<b>Description:</b>	Leafy spurge populations were inventoried and treated on 78 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	\$1,350.00	78.00	0.00

<b>Project Name:</b>	Storden 21 Prairie Bank Township: 107, Range: 37, Section: 21
<b>Activity:</b>	Grassland Enhancement
<b>Landtype:</b>	Private - Land
<b>Description:</b>	Canada thistle was treated on 1 acre of native prairie on a native prairie bank easement. Surrounding acres also benefitted.

<i>Funding Type</i>	<i>Funds Use</i>	<i>Funding Amount</i>	<i>Prorated Acres</i>	<i>Prorated Shoreline</i>
ENTF	Restoration	\$370.00	1.00	0.00
ENTF	Restoration	\$1,390.00	2.50	0.00
Grassland Enhancement Total		\$1,760.00	3.50	0.00
<b>Storden 21 Prairie Bank Total</b>		<b>\$1,760.00</b>	<b>3.50</b>	<b>0.00</b>

<b>Project Name:</b>	Storden 28 Prairie Bank Township: 107, Range: 37, Section: 28
<b>Activity:</b>	Grassland Enhancement
<b>Landtype:</b>	Private - Land
<b>Description:</b>	Birdsfoot Trefoil was pulled from a native prairie bank easement. 1-acre was treated.

<i>Funding Type</i>	<i>Funds Use</i>	<i>Funding Amount</i>	<i>Prorated Acres</i>	<i>Prorated Shoreline</i>
ENTF	Restoration	\$300.00	1.00	0.00

<b>Project Name:</b>	Holly 10 Township: 108, Range: 39, Section: 10
<b>Activity:</b>	Grassland Enhancement
<b>Landtype:</b>	Private - Land
<b>Description:</b>	Leafy Spurger beetles were released on 30 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	\$540.00	30.00	0.00

<b>Project Name:</b>	Great Bend 29 Prairie Bank Township: 105, Range: 36, Section: 29
<b>Activity:</b>	Grassland Enhancement
<b>Landtype:</b>	Private - Land
<b>Description:</b>	102 acres of native and reconstructed prairie was burned.

<i>Funding Type</i>	<i>Funds Use</i>	<i>Funding Amount</i>	<i>Prorated Acres</i>	<i>Prorated Shoreline</i>
ENTF	Restoration	\$1,780.00	102.00	0.00

**Restoration Project Totals (By Funding Type)**

Funding Type	Funding Amount	Acres	Shoreline Feet
ENTF:	\$74,700.00	1,017.00	0.00
<b>Total:</b>	<b>\$74,700.00</b>	<b>1,017.00</b>	<b>0.00</b>

<b>Attachment A: Budget Detail for 2008 Projects - Summary and a Budget page for each partner</b>					
<b>Project Title:</b> 2K Prairie Management					
	<b>Minnesota's Habitat Conservation Partnership (V)</b>				
<b>Project Manager Name:</b> Jason Garms					
<b>Trust Fund Appropriation:</b> \$75,000					
1) See list of non-eligible expenses, do not include any of these items in your budget sheet					
2) Remove any budget item lines not applicable					
<b>2008 Trust Fund Budget</b>	<b><u>Result 1 Budget:</u></b>	<b>Amount Spent</b> <i>(Nov 1, 2009)</i>	<b>Balance</b> <i>(Nov 1, 2009)</i>	<b>TOTAL BUDGET</b>	<b>TOTAL BALANCE</b>
	Prairie Management and Restoration				
<b>BUDGET ITEM</b>			0	0	0
<b>PERSONNEL: wages and benefits</b>	37,500	37,750	-250	37,500	-250
<b>Contracts</b>			0	0	0
<b>Professional/technical</b> (with whom?, for what?)			0	0	0
<b>Other contracts</b> (contracts for prescribed burning, prairie reconstructions, woody encroachment, etc)	26,500	25,950	550	26,500	550
<b>Equipment / Tools</b> (vehicle fleet costs e.g. ATV, Pick-up, ASV tracked vehicle)	7,500	7,500	0	7,500	0
<b>Other Supplies</b> (herbicide, safety supplies, etc.)	3,500	3,500	0	3,500	0
<b>COLUMN TOTAL</b>	<b>\$75,000</b>	<b>\$74,700</b>	<b>\$300</b>	<b>\$75,000</b>	<b>\$300</b>