

Outdoor Heritage Fund Status and Final Report Form/Guidelines

This report is used to show progress of grant projects funded through the Outdoor Heritage Fund. Status Reports and the Final Report must be submitted as required in Contract.

Contract Number 001-016	Report Date 11/30/2018 Rev. 12/4/18	Period Covered by Report (11/17/2017—11/30/2018)
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Project Name
Natural Resource Stewardship in North Dakota's Parks Preserves and Natural Areas

Project Sponsor Name
North Dakota Parks and Recreation Department

Responsible Official (Last, First Middle) Duttenhefner, Kathleen Grace	Responsible Official's Title Natural Resource Division Coordinator
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Project Sponsor Address
1600 East Century Ave. Suite 3

City Bismarck	State ND	Zip Code 58503	Telephone Number 701-328-5370
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Financial Update

Funds Spent This Reporting Period

Cash Match Funding	8,171.01
In-kind Match Funding	36,204.32
Other Sponsors Funding	1,942.87
OHF Funding	7,708.96
OHF Funding Requested for Reimbursement	7,708.96
Total Funding Expended for this Reporting Period	54,027.16

Total Funds Spent to Date

Cash Match Funding	29,208.74
In-kind Match Funding	101,143.90
Other Sponsors Funding	17,001.87
OHF Funding	96,198.07
OHF Funding Received and Requested for Reimbursement (includes above request)	96,198.07
Total Funding Expended to Date	243,552.60

Balance of Grant Funds

Match Cash Funding (proposed \$40185.00)	10,976
In-kind Match Funding (proposed \$57683.10)	(43,460.82)
Other Sponsors Funding (proposed \$15,000)	(2001.87)
OHF Funding still to be Requested (granted \$129,000)	32,801.93
Total Funding to be Expended on this Project (Proposed \$241,868.10)	287,330.53

Work Completed during Period Covered by Report:

Project Goals

- A. Conserve and enhance existing prairies, woodlands, tree and shrub plantings, within parklands, preserves and natural areas to maximize biodiversity of plant and animal species.
- B. To provide direction, technical assistance and funding for natural resource activities that are integral to and integrated within parklands, preserves, and natural area uses.
- C. Effective control and eradication of noxious weeds and invasive species on parklands, preserves, and natural areas.

Native Prairie Restoration and Enhancements Strategies and Best Management Practices: A multi-site, long term, collaborative project with specific goal to restore, enhance, and sustain a healthy, diverse and sustainable native prairie thus enhancing the biodiversity on parklands, preserves and natural areas spent on restorations. Budget expended for 2018 was approximately \$4,351.10.

Tasks Completed May-October 2018:

- Herbicide application at 19 of the 23 native prairie restoration sites.
- No new seeding or interseeding completed this year. One seed mix created for 2019 Fort Ransom State Park Seeding.
- Mowing schedules implemented on two sites.
- Prescribed fire as a management tool was utilized on 5 restoration sites.
- 18 of 23 sites were monitored and/or assessment this year by fulltime biologist.
- All restoration plans updated and 2019 management actions identified.



Figure 1 Prescribed Fire at Fort Abraham Lincoln State Park - Stables Site

Table 1. Prairie Restoration Budget Expenses 2018

Expense	Archery	BLSP	CRSP NORTH	CRSP SOUTH	GISP	FALSP Heritage A	FALSP Heritage B	FALSP Stables
Herbicide Application (Chemical)	\$3.09	\$10.95	\$24.72	\$24.72	\$30.90	\$32.84	\$5.25	\$10.00
Herbicide Application (Labor)	\$26.90	\$12.50	\$13.45	\$13.45	\$134.53	\$161.43	\$16.00	\$26.90
Native Seed Mix (Development)								
Native Seed Mix								
First Year Seeding (Labor)								
First Year Seeding (Equipment)								
Mowing /Disking/Harrow(Labor)					\$75.00			
Mowing (Equipment)								
Prescribed Fire (NDPRD Labor)								\$100.00
Monitoring (Labor)			\$13.45	\$13.45	\$26.90	\$26.90	\$26.90	\$26.90
Planning & Administration			\$13.45	\$13.45	\$53.81	\$26.90	\$26.90	\$50.00
TOTALS	\$29.99	\$23.45	\$65.07	\$65.07	\$321.14	\$321.14	\$75.05	\$213.80

Table 2. Prairie Restoration Budget Expenses 2018

Expense	FRSP	FSSP Visitor	FSSP North site	FSSP South site	FSSP Nelson	FSSP PF pollinator	ISP Tract 1	ISP Tract 2
Herbicide Application (Chemical)	\$207.00	\$4.38	\$4.38	\$14.83	\$12.46	\$2.19		\$3.09
Herbicide Application (Labor)	\$53.80	\$26.90	\$53.81	\$134.53	\$53.81	\$13.45		\$26.90
Native Seed Mix (Development)	\$53.80							
Native Seed Mix								
First Year Seeding (Labor)								
First Year Seeding (Equipment)								
Mowing /Disking/Harrow(Labor)		\$50.00						
Mowing (Equipment)								
Prescribed Fire (NDPRD Labor)							\$780.00	\$89.70
Monitoring (Labor)			\$26.90	\$26.90	\$26.90		\$26.90	\$26.90
Planning & Administration	\$53.80	\$13.45	\$26.90	\$14.00	\$26.90		\$26.90	\$26.90
TOTALS		\$94.73	\$111.99	\$190.26	\$120.07	\$15.64	\$833.80	\$173.49

Table 3. Prairie Restoration Budget Expenses 2018

Expense	ISP Tract 3	ICLC	LSSP	TRSP Heritage West	TRSP Heritage East	TRSP Haul Road	TRSP LOOP	Totals
Herbicide Application (Chemical)		\$16.90	\$23.65	\$5.25	\$6.18			\$442.78
Herbicide Application (Labor)		\$107.60	\$161.40	\$45.00	\$80.72			\$1,163.08
Native Seed Mix (Development)								\$53.80
Native Seed Mix								\$0.00
First Year Seeding (Labor)								\$0.00
First Year Seeding (Equipment)								\$0.00
Mowing /Disking/Harrow(Labor)								\$125.00
Mowing (Equipment)								\$0.00
Prescribed Fire (NDPRD Labor)	\$483.60						\$134.53	\$1,587.83
Monitoring (Labor)	\$26.90	\$26.90	\$26.90	\$53.80	\$26.90	\$13.45	\$26.90	\$470.75
Planning & Administration	\$26.90		\$26.90	\$26.90	\$26.90		\$26.90	\$507.86
TOTALS	\$537.40	\$151.40	\$238.85		\$130.95	\$13.45	\$188.33	\$4,351.10



Figure 3 Fort Stevenson State Park Prairie Restoration - Visitor Center Site

Woodlands – Tree and Shrub Plantings Strategies and Best Management Practices: A multi-site, long term, collaborative project with a specific goal to increase woodland and tree –shrub habitat acres and biodiversity on parklands, preserves and natural areas. The project purpose is to create and maintain a mosaic of woodland habitats through the planting of a diverse selection of native trees and shrubs. The woodland creation and tree and shrub plantings strategies and best management practices will include the use of a variety of practices ranging from site preparation, planting and monitoring. Tree and shrub planting at all state parks, recreation and natural areas is ongoing.

Tasks Completed June 16, 2017 – November 2017:

- Over 1600 Trees and shrubs were planted across the park system.
- Natural Resource staff spent over 270 hours planting and maintaining trees and shrubs.
- Tree risk assessment conducted at FALSP.
- Deer fence was installed at Cross Ranch, Fort Abraham Lincoln, Sully Creek, Lewis and Clark, Little Missouri State Parks. The University of Mary’s Day of Service 46 volunteers assisted (5 hours) with installing deer fence at Fort Abraham Lincoln State Park. These hours are not reflected in total tree maintenance hours.
- 1 volunteer assisted with tree and shrub planting at Lewis and Clark Interpretive Center approximately 36 hours.



Figure 4 University of Mary Day of Service Volunteers at Fort Abraham Lincoln State Park

Table 4. Woodland – Tree Planting OHF Expenses 2018

Lincoln-Oakes Nurseries	Tree and Shrub Plantings	Tree and shrub nursery stock	\$1,797.25
Ferguson waterworks	Tree and Shrub Plantings	Weed Barrier fabric staples	\$110.86
Menards - Dickinson	Tree and Shrub Plantings	Mulch	\$72.00
Deerbusters.com	Tree and Shrub Plantings	Deer Fence	\$3,250.00
Plantra	Tree and Shrub Plantings	Bark protectors	\$882.95
HercRentals	Tree and Shrub Plantings	Dump trailer rental for mulch	\$152.93
Pahlke Steel	Tree and Shrub Plantings	Rebar for deer fence	\$668.00
Menards	Tree and Shrub Plantings	Zip ties for deer fence	\$114.97
Deerbusters.com	Tree and Shrub Plantings	Deer Fence	\$660.00
			\$7,708.96

Table 5. Woodland – Tree Planting NDPRD Cash and In-kind Match, Sponsor Match 2018

Lincoln Oakes Nursery	Tree and Shrub Stock	NDFS Partnership	\$396.65
Lincoln Oakes Nursery	Tree and Shrub Stock	NDFS Partnership	\$105.50
Cashmen Nursery	Tree and Shrub Stock	NDFS Partnership	\$1086.80
Morning Sky Nursery	Shrub Stock	NDFS Partnership	\$230.00
Lowe's	Tree and shrub stock	NDFS Partnership	\$123.92
Lowe's	Tree and shrub stock	NDPRD Cash Match	\$104.96
Plant Perfect	Tree and shrub stock	NDPRD Cash Match	\$39.95
Tree Planting and Maintenance	Tree and Shrub Plantings	NDPRD In-kind Match	\$5,806.00

Noxious Weed and Invasive Species Control Strategies and Best Management Practices: A multi-site, long term, collaborative project with specific goals to control noxious weeds as required by state law; reduce nonnative invasive plants; continue the implementation an integrated pest management system to reduce the use of chemical controls. The noxious weeds of primary concern include leafy spurge, Canada thistle, and wormwood. To date, all noxious weeds within major parks have been inventoried and mapped.

Tasks Completed June –September – November 2017:

- Natural Resource Program staff recorded over 1,265 hours spraying noxious weeds from June-September 2018.
- Over 1540 state park, recreational, and natural areas acres were treated in 2018.
- Leafy spurge beetles were collected in Billings and Morton Counties and distributed at Stumpf Natural Area, Sully Creek, and Little Missouri State Parks.
- Hounds tongue has been found at Lewis and Clark Interpretive Center and Cross Ranch State Park
- Yellow toadflax has been found at Fort Stevenson and Fort Abraham Lincoln State Parks.

Table 6. Noxious Weed Control NDPRD Cash Match 2018

Crop Production Services	Noxious Weed Control	Herbicide	\$268.10
Crop Production Services	Noxious Weed Control	Herbicide	\$7,758.00
Labor Biological Technician	Noxious Weed Control	640 Spray hours	\$10,240.00
Labor Biologists	Noxious Weed Control	625 Spray hours	\$16,250.00
			\$34,516.10

Natural Areas Registry A cooperative program with the *ND Geological Survey*. The Natural Areas Registry Program is citizen-based conservation program that currently has 54 landowners involved in voluntary protection of their significant natural areas. This project is a multi-site, long term, collaborative project with a specific goal to encourage conservation of important natural lands in private and public ownership.

No Outdoor Heritage Funds have been allocated for Natural Areas Registry.



Figure 5 Stumpf Natural Area

Tasks Completed June-September 2018

- Noxious weed spraying completed at several natural areas including Stumpf, Elkhorn, and Missouri River Natural Areas.
- Noxious weed also treated at Head of the Mountain Nature Preserve.
- Leafy Spurge beetles released at Stumpf Natural Area

Natural Heritage Inventory - A cooperative program with NatureServe, a non-profit conservation organization whose mission is to provide the scientific basis for effective conservation action. The North Dakota Natural Heritage Program identifies the state's most significant natural areas through a comprehensive inventory of rare plant and animal species, exemplary natural communities, special geological features, and significant natural areas. No Outdoor Heritage Funds have been allocated for Natural Areas Registry.

Tasks Completed June-October 2018

- Western prairie fringed orchid inventory conducted on the Sheyenne National Grasslands. Inventory funded through US Fish and Wildlife Service.

Photos of work completed are welcome (If appropriate, please submit photos of key elements of the project completed or in progress during reporting period) Do not exceed five photos per project report.

Signature of Responsible Official
Kathy Duttonhefner

The project reports shall be provided to the Commission in both electronic and hard-copy formats with permission for unrestricted distribution. The electronic versions shall be in a suitable format for posting on the Outdoor Heritage Fund/Commission website.

Table 7 Budget Summary: 11/2017 – 11/30/2018

	OHF Budget	NDPRD Budget	Sponsor Budget	Total Budget	7-OHF	7-NDPRD Cash	7-NDPRD Inkind	7-Sponsor	7-Total Expenses	Total Expenses To Date
Native Prairie Restoration										
Contracted Labor	\$ 6,000.00	\$ -	\$ -	\$ 6,000.00					\$ -	\$ 3,932.00
Supplies (native seed-plants)	\$ 44,000.00	\$ -	\$ -	\$ 44,000.00					\$ -	\$ 37,324.57
Salary FTE/Volunteers/Seasonal	\$ -	\$ 11,775.00	\$ -	\$ 11,775.00			\$ 3,908.32		\$ 3,908.32	\$ 8,675.98
Woodland Habitat Enhancements and Tree Plantings										
Contracted Labor	\$ 7,500.00	\$ -	\$ -	\$ 7,500.00					\$ -	\$ -
Supplies (tree stock, fabric, mulch)	\$ 50,000.00	\$ 25,000.00	\$ 15,000.00	\$ 90,000.00	\$ 7,708.96	\$ 144.91		\$ 1,942.87	\$ 9,796.74	\$ 73,855.67
Salary FTE/Volunteers/Seasonal	\$ -	\$ 13,523.10	\$ -	\$ 13,523.10			\$ 5,806.00		\$ 5,806.00	\$ 34,835.00
Novious Weed and Invasive Species Control										
Contracted Labor	\$ 1,500.00	\$ -	\$ -	\$ 1,500.00					\$ -	\$ -
Supplies (Chemical)	\$ 20,000.00	\$ 15,185.00	\$ -	\$ 35,185.00		\$ 8,026.10			\$ 8,026.10	\$ 28,385.53
Salary FTE/Volunteers/Seasonal	\$ -	\$ 32,385.00	\$ -	\$ 32,385.00			\$ 26,490.00		\$ 26,490.00	\$ 54,593.85
	\$ 129,000.00	\$ 97,868.10	\$ 15,000.00	\$ 241,868.10	\$ 7,708.96	\$ 8,171.01	\$ 36,204.32	\$ 1,942.87	\$ 54,027.16	\$ 243,552.60

Table 8 Itemized Cash Match Budget Summary: 11/2017 – 11/30/2018

Itemized Transaction Register										Page 1 of 1
From Nov 17 to Nov 5, 2018										Run Date: Nov 5, 2018
Account	Dept	Fund	Project	Activity	Date	Journal / Voucher ID	Header Descr / Invoice	Line Descr / Vendor	Amount	Description
534165	508	001			10/30/18	00031611	SEP 2018 JP PCARD_0000000000070	PLANT PERFECT	39.95	Tree planting mulch
535085	508	001			6/30/18	00030928	JUNE 2018 JP PCARD_0000000000069	LOWES #02533*	104.96	Tree planting supplies
534250	508	398		MINERALS	5/17/18	00030277	35883724	CROP PRODUCTION SERVICES INC	7,758.00	Herbicide
534250	508	398		MINERALS	6/30/18	00030928	JUNE 2018 JP PCARD_0000000000069	CROP PROD SERV 183	268.10	Herbicide
									8,171.01	