

## 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 11/30/2015	Period Covered by Report (6/1/2015 – 11/30/2015) <small>Revised 12/7/2015 Revised 1/4/16</small>
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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) <b>Duttenhefner, Kathleen Grace</b>	Responsible Official's Title <b>Natural Resource Division Coordinator</b>
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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

Please provide the following information regarding the funding for your project based on the contract award:

Funds Spent this Reporting Period

(As appropriate please provide copies of receipts for purchases)

Cash Match Funding	\$0.0	
In-kind Match Funding	\$7,496.25	
Other Sponsors Funding	\$3,750.00	
OHF Funding	\$4,817.20 <sup>6</sup>	
OHF Funding Requested for Reimbursement		\$ 4,817.20 <sup>6</sup>
<b>Total Funding Expended for this Reporting Period</b>		<b>\$16,063.45<sup>2</sup></b>

Total Funds Spent to Date

Cash Match Funding	\$ 3,473.55	
In-kind Match Funding	\$50,996.25	
Other Sponsors Funding	\$15,059.00	
OHF Funding	\$46,635.55 <sup>4</sup>	<sup>46,634.55</sup>
OHF Funding Received and Requested for Reimbursement		\$ 46,635.20 (includes above request)
<b>Total Funding Expended to Date</b>	<b>\$116,164.35<sup>3</sup></b>	

Balance of Grant Funds

Match Funding	\$ 36,711.45	
In-kind Funding	\$ 6,686.85	
Other Sponsors Funding	\$ (59.00)	
OHF Funding still to be Requested		\$ 82,364.45 <sup>5</sup>
<b>Total Funding to be Expended on this Project</b>		<b>\$125,703.75<sup>4</sup></b>

Do you anticipate needing to request a grant extension    If yes, please explain  
 Yes     No

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.

### Tasks Completed: July 2015 – November 2015:

#### a) Updated Prairie Restoration Plans for:

- Turtle River State Park – Big Bluestem Tallgrass Prairie – 17.9 acres
- Turtle River State Park – Big Bluestem Tallgrass Prairie – 1.4 acres
- Icelandic State Park – Sand Bluestem – Prairie Sandreed Sand Prairie – 10 acres
- Icelandic State Park – Sand Bluestem-Little Bluestem Sand Prairie – 6.2 acres
- Icelandic State Park – Sand Bluestem-Prairie Sandreed Sand Prairie – Tract 2 – 2.3 acres
- Fort Abraham Lincoln State Park – W. Wheatgrass-Green Needlegrass Mixedgrass Prairie-1.33 acres
- Fort Abraham Lincoln State Park – W. Wheatgrass-Green Needlegrass Mixedgrass Prairie-66 acres



*Figure 1 Cross Ranch State Park Prairie Restoration*





Figure 2 Grahams Island State Park Prairie Restoration

- Fort Stevenson State Park – Needle-and-Thread-Western Wheatgrass Mixedgrass Prairie-5.6 acres
- Fort Stevenson State Park – W. Wheatgrass-Green Needlegrass Mixedgrass Prairie-32 acres
- Fort Stevenson State Park – Western Wheatgrass-Green Needlegrass Mixedgrass Prairie-10 acres
- Cross Ranch State Park - Western Wheatgrass-Green Needlegrass Mixedgrass Prairie-.8 acre
- Cross Ranch State Park - Western Wheatgrass-Green Needlegrass Mixedgrass Prairie-.7 acre
- Devils Lake State Park- Western Wheatgrass-Green Needlegrass Mixedgrass Prairie-11 acre
- Lake Sakakawea State Park- Wheatgrass-Green Needlegrass Mixedgrass Prairie-1.33 acres

b) Sites visits – Restoration monitoring: Total 14 FTE staff hours (\$210)

- Turtle River State Park (5 hours)
- Icelandic State Park (1 hour)
- Fort Abraham Lincoln State Park (1 hour)
- Fort Stevenson State Park (2 hours)
- Cross Ranch State Park (2 hours)
- Devils Lake State Park (1 hour)
- Lake Sakakawea State Park (2 hours)



c) Weed Control: Mowing and Chemical Application 66 Total Hours (\$990)

- Turtle River State Park -22 hours mowing 4 hours Spraying
- Icelandic State Park 2 hours mowing and 1 hour spot spaying
- Fort Abraham Lincoln State Park – 2 hours spot spraying and 40 hours mowing



Figure 3 Fort Stevenson State Park Restoration

Fort Stevenson State Park – 2.5 hours mowing and 5 hours spot spraying  
Cross Ranch State Park – 1.5 hours mowing  
Devils Lake State Park-3 hours mowing – 5 hours spot spraying



*Figure 4 Icelandic State Park Restoration*



*Figure 5 Icelandic State Park Restoration*



*Figure 6 Lake Sakakawea State Park Restoration*



*Figure 7 Turtle River State Park Restoration*

## **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 row 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. 50<sup>th</sup> Anniversary woodland/complex plantings, Fort Abraham Lincoln, Cross Ranch Flood Recovery Tree Planting, Fort Abraham Lincoln Tesoro Tree and shrub plantings were top priority in 2015. Secured a ND Forest Service grant to assist with the Flood Recovery at Fort Abraham Lincoln and Cross Ranch State Park and the Missouri Natural Area to replace the hundreds that were lost to flood and are still be lost on an annual basis.



*Figure 8 50th Anniversary Plantings*

### **Tasks Completed: July 2015 – November 2015**



- a) Six state parks have held their 50<sup>th</sup> Anniversary Commemorative tree and shrub planting events including Fort Abraham Lincoln, Icelandic, Lake Sakakawea, Fort Ransom, Lewis and Clark and Cross Ranch State Parks. 57 volunteers and 37 staff participated in the planting events – over 68 hours (\$6,296.25)
- b) All sites mulched, monitored and photographed.
- c) Fort Lincoln State Park 1.6 acres tree row planting trees monitored and replacement trees and shrubs ordered.
- d) Biological Technicians began placing weed control fabric squares around the trees.
- e) Trees were also sprayed with deer deterrent and site was fenced.
- f) Deer fenced was placed around all trees and Fort Abraham Lincoln and Cross Ranch State Parks.

g) Planted 50

containerized trees at Fort Abraham Lincoln and Cross Ranch State Park to replace the hundreds of trees we have died since the flood of 2011.

- h) Ordered trees and shrubs for Fort Lincoln, Cross Ranch, Missouri River, Lewis and Clark, Lake Sakakawea, Fort Ransom and Turtle River State Park from Lincoln Oakes Nursery.
- i) University of Mary's Community Service Day assisted with the installation of deer fence at Fort Abraham Lincoln State Park.



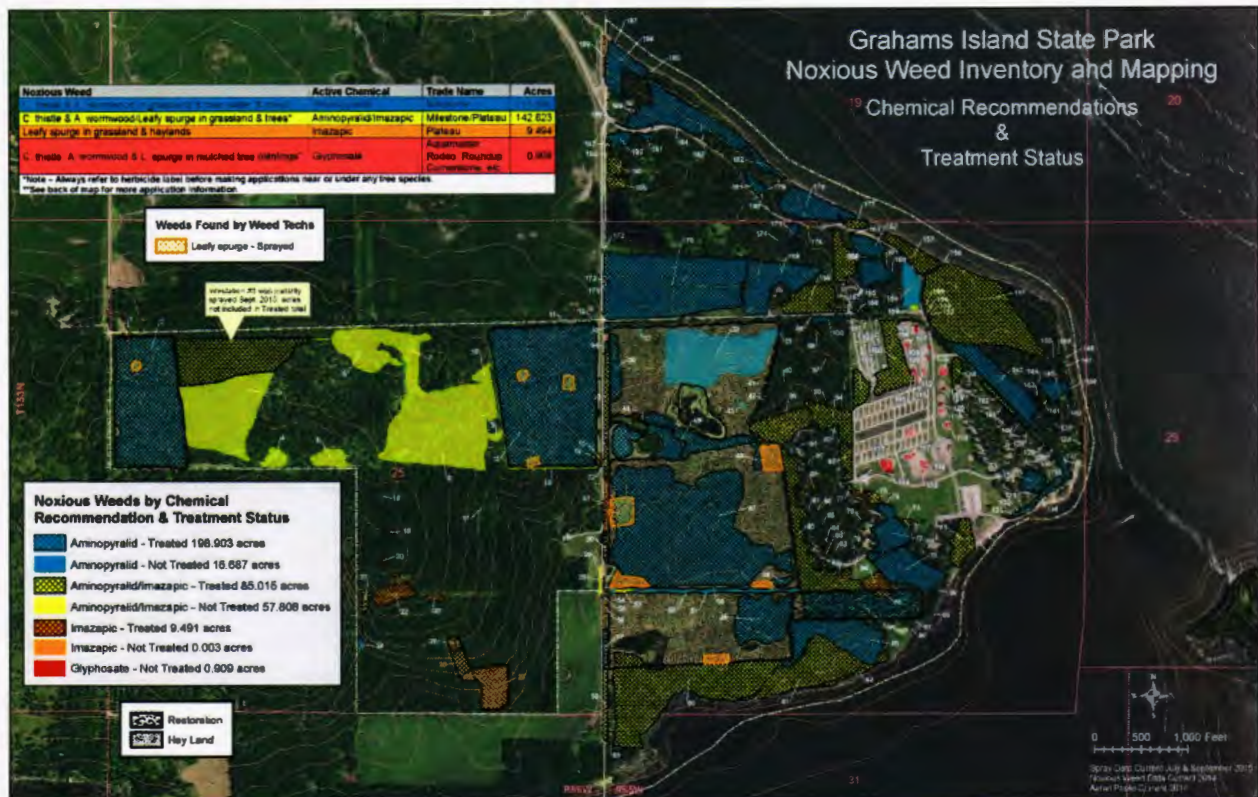
**Noxious Weed and Invasive Species Control Strategies and Best Management Practices:**

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: July – November 2015:**

- a) Biologist and biological technicians treated noxious weeds with appropriate control methods at all state park and several natural areas. Biological technicians spent approximately 1175 hours spraying weeds, treating over 1426 acres of infestations.
- b) Followed standard reporting protocol as determined by ND Department of Agriculture.
- c) Regular updates to Noxious Weed maps.



**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 were utilized to accomplish these tasks.



Figure 9 Anderson Woods Natural Area

**Tasks Completed: July – November 2015:**

- a) Site assessment conducted on Anderson Woods 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.



Figure 10 Western Prairie Fringed Orchid

The biological conservation database is being utilized on a regular basis to conduct environmental reviews. This is a NatureServe web-based program which requires a substantial annual maintenance and support fee. No

Outdoor Heritage Funds were utilized to accomplish these tasks, therefore we did not record any match funds.

**Tasks Completed: December 2014 – June 2015:**

- a) Western prairie fringed orchid surveys conducted.
- b) 2015 Western prairie fringed orchid field report review.

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 Duttenehner*

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.