

## Instructions

Please download this Word document (available on the Industrial Commission/Outdoor Heritage Fund Program website at <http://www.nd.gov/ndic/outdoor-infopage.htm> ) to your computer and provide the information as requested. You are not limited to the spacing provided. After completing the report, save it and attach it to an e-mail and send it to [outdoorheritage@nd.gov](mailto:outdoorheritage@nd.gov) AND print it and mail it to: North Dakota Industrial Commission, ATTN: Outdoor Heritage Fund Program, State Capitol – Fourteenth Floor, 600 East Boulevard Ave. Dept. 405, Bismarck, ND 58505. If you are unable to scan attachments, mail them with your paper copy of the report. You will be sent a confirmation by e-mail of receipt of your report and attachments. 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.

### 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 <b>014-156</b>	Report Date <b>6/30/2023</b>	Period Covered by Report <b>12/1/2022-6/30/2023</b>
Project Name <b>Natural Resource Stewardship in North Dakota's Parks, Preserves and Natural Areas II</b>		
Project Sponsor Name <b>North Dakota Parks and Recreation</b>		
Responsible Official (Last, First Middle) <b>Cody Schultz</b>		Responsible Official's Title <b>Director</b>
Project Sponsor Address <b>604 E Boulevard Ave.</b>		
City <b>Bismarck</b>	State <b>ND</b>	Zip Code <b>58505</b>
		Telephone Number <b>701-328-5370</b>

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

	Funds Spent THIS Reporting Period*	Total Funds Spent to Date	Balance of Remaining Funds
Match Funding	\$844.42	\$12,465.41	(\$1,255.49)
In-kind Funding		\$23,560.62	( \$560.62)
Sponsor Funding		\$5,239.82	(\$1,240.02)
OHF Funding	\$ 46,438.30	\$108,680.00	\$ 0.00
<b>Total</b>	<b>\$ 47,282.72</b>	<b>\$149,945.85</b>	

Do you anticipate needing to request a grant extension?    /\_/ Yes    /x/ No

If yes, please explain:

\*As appropriate please provide copies of receipts for purchases.

Work Completed during Period Covered by Report:  
(This information will be posted on the Outdoor Heritage Fund/Industrial Commission website)

**See Attached PDF Status Report and Invoices**

**Natural Resource Stewardship in North Dakota's Parks, Preserves and Natural Areas II**

**Status Report 8-Final for:**

**Work Completed during Period Covered by Report: December 1 - June 30, 2023**

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.

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Signature of Responsible Official



\*As appropriate please provide copies of receipts for purchases.

# Resource Stewardship in North Dakota's Parks, Preserves, and Natural Areas II

Work Completed During Period: December 1, 2022 – June 30, 2023

## *Project Goals*

1. Conserve and enhance existing native and restored prairies, woodlands, and tree and shrub plantings within parklands, preserves, and natural areas to maximize the biodiversity of plant and animal species and provide healthy ecosystems.
2. Successfully manage trees and shrub plantings within parks, preserves, recreational, interpretive, and natural areas to provide safe and enjoyable experiences for park visitors.

## *Measurable Objectives-Results*

1. Within four years, increase and enhance **native prairie restoration** acres on parklands, preserves, and natural areas through high diversity native seed mixture obtained from local seed sources.
2. Within four years, increase the percent species composition of native grasses and forbs on prairie restoration sites as determined through systematic monitoring and recorded in restoration plans.
3. Within four years, decrease the percent species composition of noxious and invasive species within prairie restorations as determined through systematic monitoring and recorded in restoration plans.
4. Within four years, increase **woodland habitat and tree and shrub planting** acres on parklands, preserves, and natural areas by creating a mosaic of woodlands by planting a diverse selection of native trees and shrubs. Maintain a 75% survivability rate.
5. Within four years, decrease noxious weeds and invasive species within tree and shrub planting in parklands, preserves, and natural areas through chemical, mulch, and mechanical removal strategies.
6. Within four years, tree and shrub planting protection is increased through tree wrapping, bark protectors, mulching, and fencing.
7. Within four years, strengthen the **tree risk management program** to include annual assessments, recommendations for appropriate actions, and funding for remedial actions within a timely manner to ensure safe and healthy tree plantings and woodlands within high-use areas.

Tasks Completed December 1, 2022 – June 30, 2023

### *Native Prairie Restoration and Enhancements Strategies and Best Management Practices*

1. Updated 40 plus prairie restoration management plans and identified 2023 management actions.

2023 Management Actions Identified

- Prescribed Fire
- Plant containerized native forbs
- Annual noxious weed control
- Interseed forbs and grass when conditions are favorable
- Removal of unwanted trees
- Mow some sites
- Control invasive such as Kochia, Siberian elms, etc.
- Site visit – update plant species lists
- Develop and update burn plan for sites



A prescribed burn was conducted on two prairie restoration sites at Fort Abraham Lincoln State Park. Sites were then interseeded with a diverse wildflower seed mix.

Prairie restoration site assessments include data collection on percent vegetation cover class, and a qualitative assessment including species list and invasive and noxious weeds present. 2023 sites assessments completed to date included Fort Abraham Lincoln, Fort Ransom, Beaver

Lake, Fort Stevenson, Lake Sakakawea state parks. Prairie restoration data collected includes dominant species, vegetation cover class percentages, and plant species list. Data collected will aid in future management actions. All restoration management plans will be updated this winter. Site visits and assessments will continue in the summer of 2023.

Containerized native forbs were planted in restoration site at Fort Abraham Lincoln State Park.

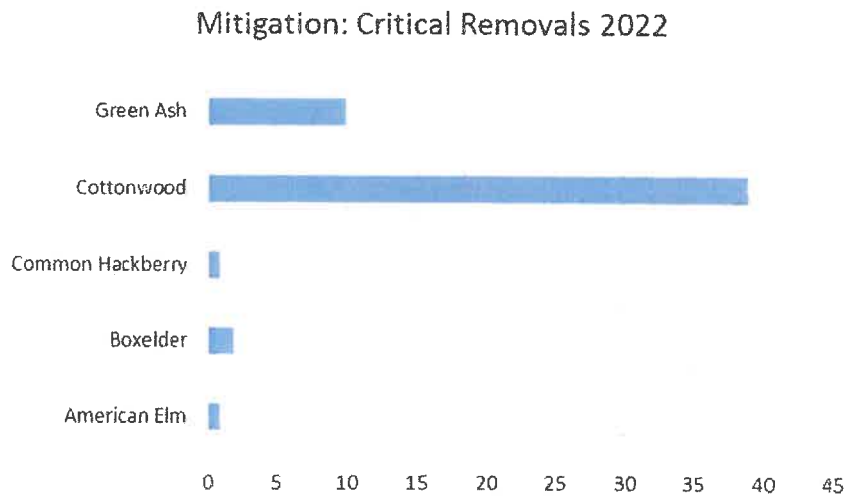
### *Tree and Shrub Plantings Strategies and Best Management Practices*

Department staff and volunteers continued the multi-site, long-term, collaborative project with a specific goal to enhance existing trees and shrubs, vegetation habitat acres, and biodiversity on parklands, preserves, and natural areas. The project aims to improve the existing mosaic of tree and shrub complex habitats by planting a diverse selection of native trees and shrubs.

Trees and shrubs' diverse plantings will provide food and living space, cover various wildlife species, and greatly enhance the visitor experience.

### Tree and Shrub Planting Tasks Completed December 1, 2022 – June 30, 2023

1. Level 1 Limited Visual Tree Risk Assessment data post-processing continued with Tree risk Mitigation reports generated and distributed several state parks. Arc GIS spatial and tabular databases for all parks are updated regularly.







2. Bare root and small containerized tree and shrub orders were placed with Lincoln Oakes Nursery. Four hundred sixty-five bare-root trees and shrubs were ordered and planted in 10 state parks. Trees and shrubs were planted by the full-time, seasonal park and natural resources staff.



3. Large Containerized Trees and Shrubs. Almost 300 large, containerized tree and shrub stock was purchased through a variety of greenhouses and nurseries across North Dakota, including Handy Andy's Nursery in Williston, Plant Perfect in Bismarck, Lowes Garden Center in Minot, Cashman Nursery in Bismarck, Burgess's Greenhouse in Hallock, MN, All Seasons Garden center in Grand Forks, Taylor Nursery and Snortums Nursery in Bismarck.

Tree and shrubs were mulched and staked where necessary. In the fall of the year bark protectors and deer fence will be installed in several parks.



The Department's Donate A Tree Program had four tree planting ceremonies take place in the spring – early summer of 2023. Parks included Fort Abraham Lincoln, Fort Ransom, and Icelandic State Parks.

5. Hazardous Tree Removal - Icelandic State Park had several critical removals that required contracting a professional tree service company.

6. Tree Planting Assessment - Arc GIS spatial and tabular databases (Field maps) are used as a management tool to inventory existing tree plantings less than ten years old. Fort Stevenson and Grahams Island State Parks will be conducted in 2023.

Table 1 Expenses and Matches December 1, 2022 - June 30, 2023

Project Task Expenses	OHF Request	Applicant's Match Share (Cash)	Applicant's Match Share (In-Kind)	Applicant's Match Share (Indirect)	Other Project Sponsors Share	Total Each Project Expense
Native Prairie Restorations & Enhancements <i>Native Forb and Grass Seed and Containerized Wildflowers<sup>1</sup></i>	\$8,965.66					\$8,965.66
Tree and shrub Planting Enhancements: Tree and shrub stock <sup>2</sup>	\$32,274.89	\$844.42				\$33,119.31
Tree and shrub Planting Enhancements: Nursery pots, grow tubes, stakes, guards, ties, mulch <sup>3</sup>	\$2714.25					\$2,714.25
Tree and shrub Planting Enhancements: Deer fence <sup>4</sup>	\$1733.50					\$1,733.50
Hazardous tree Removal <sup>5</sup>	\$750.00					\$ 750.00
<b>Total Costs</b>	<b>\$46,438.30</b>	<b>\$844.42</b>				<b>\$47,282.72</b>

<sup>1</sup>Agassiz Seed and Company native wildflower mix 12 species \$5,149.97, native wildflowers mix 8 species \$3,111.28, Chesak Seed House wildflower seed mix 18 species \$419.44, Snortums Nursery potted wildflowers \$101.70, Cashman Nursery potted wildflowers \$183.27

<sup>2</sup>Handy Andy's Nursery trees total \$2050.50 with OHF \$1317 with \$733.50 Cash match, \$861.75, Lowes Garden Center trees \$2285.64, \$1968.00, Snortums Nursery Trees \$1950 and \$1269.05, Cashman Nursery trees \$1723.68, \$820.00, \$95.88, All Seasons trees \$199.92, \$789.76, \$249.90, Taylor Nursery trees \$1580.00 and 4484.90, Plant Perfect trees \$599.97, and Lincoln Oakes/ND Association of Soil Conservation bareroot trees and shrubs \$1174.00. Plantperfect 24 trees and shrubs \$2199.76, Taylor Nursery, 32 trees and shrubs; Snortums Nursery, 19 Trees and shrubs, Cashman Nursery 54 trees and shrubs

<sup>3</sup>Amazon nursery pots \$599.90, Plantra stakes, bark protectors \$1994.48, Plant perfect mulch and potting soil \$119.87

<sup>4</sup>Trident /Deer Buster deer fence \$1733.50

<sup>5</sup>Northern Plains Tree Service tree removals \$750



*Table 2 Itemized Expenses and Matches December 1, 2022 - June 30, 2023*

Vendor	OHF Request	Applicant's	Applicant's	Applicant's	Other Project
		Match Share (Cash)	Match Share (In-Kind)	Match Share (Indirect)	Sponsor's Share
Trident – Enterprises (Deerbusters.com)	\$1733.50				
Cashman Nursery & Landscaping	\$1003.27				
Lowe's Garden Center	\$1968.00				
Amazon.com	\$599.90				
ND Associations of Soil Conservation (Lincoln Oakes Nursery)	\$1174.00				
Plantra	\$1994.48				
Cashman Nursery	\$95.88				
Taylor Nursery	\$1580.00				
Plant Perfect	\$719.84				
Agassiz Seed & Supply	\$3111.28				
Agassiz Seed & Supply	\$5149.97				
Chesak Seed House	\$419.44				
Snortums Nursery LCC	\$2051.70				
Handy Andy's Nursery	\$1317.00	\$733.50			
Handy Andy's Nursery	\$661.75				
Lowe's Garden Center	\$185.98				
Lowe's Garden Center	\$83.99				
Lowe's Garden Center	\$2015.67				
Cashman Nursery	\$1723.68				
All Seasons Garden Center	\$249.90				
All Seasons Garden Center	\$199.92				
All Seasons Garden Center	\$789.76				
Burgess's Greenhouse	\$350.00				
Northern Plains Tree Service	\$750.00				
Plant Perfect	\$2199.76				
Snortums Nursery	\$1269.05				
Taylor Nursery	\$ 4484.90				
Cashman Nursery	\$1111.80				
Cashman Nursery	\$7443.88	\$110.92			
	<b>\$46,438.30</b>	<b>\$844.42</b>			

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