

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 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 014-156	Report Date 6/30/2020	Period Covered by Report 12/1/2019-6/30/2020 Rev. 7.10.2020
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Project Name
Natural Resource Stewardship in North Dakota's Parks, Preserves and Natural Areas II

Project Sponsor Name
North Dakota Parks and Recreation

Responsible Official (Last, First Middle) Andrea Travnicek	Responsible Official's Title Director
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Project Sponsor Address
1600 East Century Ave.

City Bismarck	State ND	Zip Code 58503	Telephone Number 701-328-5357
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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*	Total Funds Spent to Date	Balance of Remaining Funds
Match Funding	\$454.75	\$562.65	\$10,536.35
In-kind Funding	\$1,680.00	\$5,955.00	\$17,045
Sponsor Funding	\$520.98	\$2,218.86	\$1,781.14
OHF Funding	\$19,278.70	\$21,668.56	\$87,011.44
Total			

Do you anticipate needing to request a grant extension? /_/_ Yes /_/_ 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

Natural Resource Stewardship in North Dakota's Parks, Preserves and Natural Areas II Status Report 2 for:

Work Completed during Period Covered by Report: December 1, 2019 - June 30, 2020

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



Natural Resource Stewardship in North Dakota's Parks, Preserves and Natural Areas II
Work Completed during Period Covered by Report: December 1, 2019 - June 30, 2020
Rev 7.10.20

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 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 the use of 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 through the creation of 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 the use of chemical, mulch and mechanical removal strategies.
6. Within 4 years increase tree and shrub planting protection through the use of tree wrapping, bark protectors, mulching and fencing.
7. Within four years, strengthen **tree risk management program** to include annual assessments, recommendations for appropriate actions and funding for remedial actions within timely manner to ensure safe and healthy tree plantings and woodlands within high use 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 and provide optimal visitor experiences. The prairie restoration and enhancement strategies and best management practices will include the use of a variety of practices including fire, haying, grazing, tillage, herbicides, and seeding and planting of native grasses and forbs.

Tasks Completed December 1, 2019 – June 29, 2020

Updated 40 prairie restoration plans and identified 2020 management actions (NDPRD Biologists – approximately 35 hours). To date, site seeding, mowing, site visits and assessments have been completed at Fort Abraham Lincoln, Beaver Lake, and Fort Ransom State Parks, and Turtle Mountain Reclamation Area. (NDPRD Biologists – approximately 109 hours). A summary of 2020 Prairie Restoration-Reconstruction Management Actions include:

Beaver Lake State Park – Entrance Prairie Restoration Site

- Site visit and assessment
- Noxious weed control-spot spraying
- Interseed native grasses and forbs

Cross Ranch State Park – Cottonwood Meadow South & North Prairie Restoration Sites

- Prescribed burn May 2020
- Noxious weed control-spot spraying
- Post burn - spray kochia
- Site visit and assessment

Fort Abraham Lincoln State Park – Stables, Keller A&B, 1806 A, B,C

- Pre-seed noxious weed control – 1806 Prairie Reconstruction sites A,B,C
- Seed new restoration sites-1806 Prairie Reconstruction sites A,B,C
- Post-seed noxious weed control - 1806 Prairie Reconstruction sites A,B,C
- Mow Stables Restoration site
- Site visits, assessments and monitoring – all 6 sites
- Mechanically control woody vegetation Keller A Restoration site
- Noxious weed control-spot spraying – all 6 sites



Figure 1 Fort Abraham Lincoln State Park Prairie Reconstruction Sites

Fort Ransom State Park – Entrance Restoration Site

- Interseed native grasses and forbs
- Noxious weed control-spot spraying
- Site visit and assessment

Fort Stevenson State Park – Visitor Center Restoration

- Post 2019 burn monitoring
- Site visit and assessment
- Pollinator plot monitoring
- Noxious weed control-spot spraying

Grahams Island State Park – Prairie Restoration Site

- Site visit and assessment
- Noxious weed control-spot spraying



Figure 2 Fort Stevenson State Park Visitor Center Restoration

Icelandic State Park – Visitor Center Restoration Site

- Mow restoration sites
- Site visit, assessment and monitoring
- Noxious weed control-spot spraying

Lake Sakakawea State Park – North, South and JT North Prairie Restoration

- Noxious weed control-spot spraying
- Site visit and assessment

Turtle Mountain Recreational Area – Prairie Restoration Site

- Interseed native grasses and forbs
- Site visit and assessment
- Noxious weed control-spot spraying

Turtle River State Park – Prairie Restoration Sites

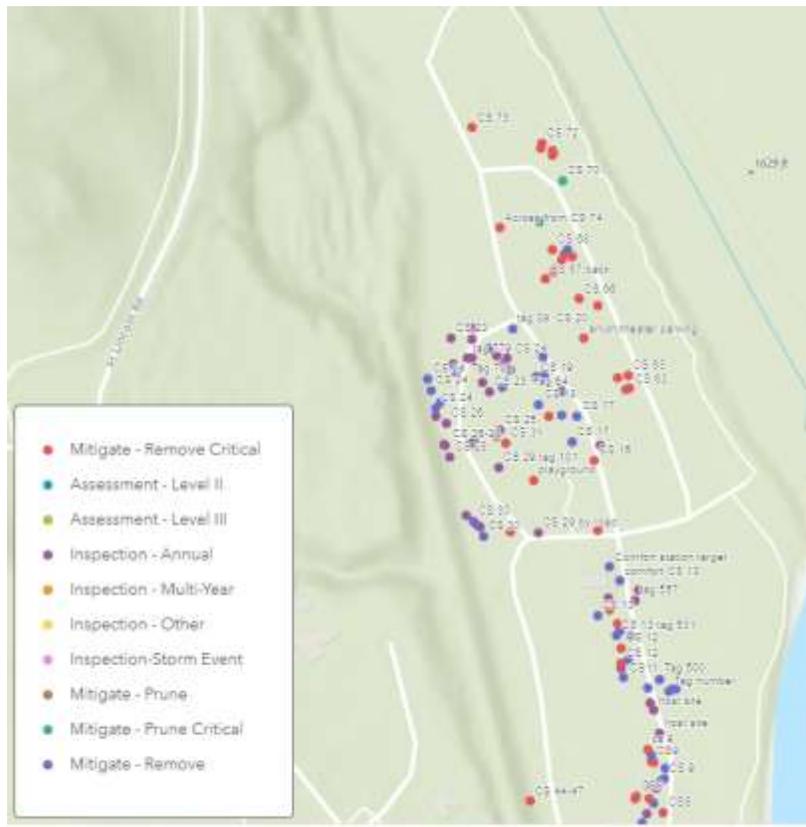
- Site visit and assessment
- Noxious weed control-spot spraying

Tree and Shrub Plantings Strategies and Best Management Practices

A multi-site, long term, collaborative project with a specific goal to enhance existing tree and shrub planting habitat acres and biodiversity on parklands, preserves and natural areas. The project purpose is to enhance the existing mosaic of tree and shrub complex habitats through the planting of a diverse selection of native trees and shrubs. The diverse plantings of trees and shrubs will provide food, living space, and cover for a variety of wildlife species.

Tasks Completed December 1, 2019 – June 29, 2020

Level 1 Limited Visual Tree Risk Assessment (ANSI A300 Standard) tree risk assessments and identification of removal of high-risk trees is an ongoing task.



Natural Resource Division staff began Post Processing of tree planting at Beaver Lake, Lake Sakakawea, Fort Abraham Lincoln, and Cross Ranch State Parks was conducted. Post processing data and map creation is ongoing. Post processing GIS Collector data and mitigation reports generated for Fort Abraham Lincoln and Cross Ranch State Parks.

Natural Resource Division staff completed or initiated 2020 tree risk assessments and data updates at Fort Lincoln State Park, Fort Mandan, Lewis and Clark Interpretive Center and Fort Ransom State Park. GIS collector is utilized to assess and map the high-risk trees. Post processing data and map creation ongoing. (NDPRD staff – over 148 hours).

Figure 3 Snapshot of Fort Abraham Lincoln Tree Risk Assessment Using GIS Collector

Tree and shrub orders were placed with Lincoln Oakes Nursery and Towner State Nursery (\$1,370.75). A total of 663 bare root and small containerized trees and shrubs were planted at 13 state parks, interpretive and natural areas.

In addition to bareroot stock, 83 larger containerized stock (#7-10) were purchased through local nurseries across North Dakota. Trees and shrubs were planted in high use areas and were mulched, and some staked and fenced (\$9,631.95)

GIS Collector is being used in the tree and shrub planting programs. New plantings will be mapped utilizing GIS Collector.

Two containerized trees were donated at Icelandic and Cross Ranch State Parks through the Department's Donate a Tree Program (\$520.98).



Large Containerized Tree Stock by Park

Cross Ranch State Park	1 elm, 3 poplars, 2 bur oaks	\$1020.60
Fort Ransom State Park	11 poplars, 2 Linden, 2 aspen, 2 willows	\$1013.00
Lake Sakakawea State Park	5 bur oak	\$ 899.95
Lewis & Clark I Center	12 black hills spruce	\$1000.00
Lake Metigoshe State Park	1 hackberry, 2 aspen, 3 bur oak, 4 elm	\$ 947.93
Fort Lincoln State Park	15 cottonwoods	\$1049.85
Beaver Lake State Park	5 bur oak	\$ 670.50
Lewis and Clark State Park	4 elm, 3 hackberry, 2 chokecherry	\$1027.06
Fort Stevenson State Park	2 bur oak, 3 elm, 12 Juneberry	\$1003.06
Icelandic State Park	7 Linden	\$1000.00

Table 1 Proposed Expenses and Matches 2019-2023

Project Expense	OHF Request	Applicant's Match Share (Cash)	Applicant's Match Share (In-Kind)	Applicant's Match Share (Indirect)	Other Project Sponsor's Share	Total Each Project Expense
Native Prairie Restoration & Enhancements: Native forb and grass seed ¹	\$25,000.00	\$3,000.00	\$8,000.00	\$0.00	\$0.00	\$36,000.00
Tree and shrub Planting Enhancements: Tree and shrub stock ²	\$60,000.00	\$5,000.00	\$9,000.00 ⁵	\$0.00	\$4,000.00	\$78,000.00
Tree and shrub Planting Enhancements Deer fence –3000’³ fence and rebar posts⁴	\$4,500.00	\$1,000.00	\$0.00	\$0.00	\$0.00	\$5,500.00
Tree and shrub Planting Enhancements Mulch. tubes (500), stakes (400)	\$4,180.00	\$100.00	\$0.00	\$0.00	\$0.00	\$4,280.00
Native Prairie Restorations & Enhancements: Chemical for restorations	\$0.00	\$2,000.00	\$0.00	\$0.00	\$0.00	\$2,000.00
Hazardous Tree removal services	\$15,000.00	\$0.00	\$6,000.00	\$0.00	\$0.00	\$21,000.00
Total Costs	\$108,680.00	\$11,100.00	\$23,000.00	\$0.00	\$4,000.00	\$146,780.00

Table 2 Expenses and Matches December 1, 2019-June 30, 2020

Project Expense	OHF Request	Applicant's Match Share 398 (Cash)	Applicant's Match Share (In-Kind)	Applicant's Match Share (Indirect)	Other Project Sponsor's Share N3536	Total Each Project Expense
Native Prairie Restoration & Enhancements/Assessment: Native forb and grass seed	\$6,131.00 ¹		\$48000 ⁵			\$6,611.00
Tree and shrub Planting Enhancements/Assessment: Tree and shrub stock	\$11,002.70 ²	54.75 ²	\$1200.00 ⁶		\$520.98 ⁷	\$12,778.43
Tree and shrub Planting Enhancements: Deer fence and rebar posts						
Tree and shrub Planting Enhancements tubes, stakes, guards						
Tree and shrub Planting Enhancements mulch						
Native Prairie Restorations & Enhancements: Chemical for restorations						
Hazardous Tree Assessments/removal Contracted/Equipment Rental Services	\$1,575.00 ³	\$400.00 ³				\$1975.00
Native Prairie Restorations & Enhancements Contracted/Equipment Rental Services	570.00 ⁴					\$570.00
Total Costs	\$19,278.70	\$454.75	\$1,680.00		\$520.98	\$21,934.43

¹ Native seed and forb bid awarded to Agassiz Seed and Supply, West Fargo, ND (\$6131.00)

² Multiple tree nurseries provided containerized and bareroot tree and shrub stock including Lincoln Oakes Nursery and all others except one nursery located in North Dakota.

³ Hazardous tree removal – 80' boom lift rented from ACME Rents (\$1675), CD & Sons Tree Removal Service (\$300)

⁴ Seed drill rental from Morton County (\$360) and tractor from Bobcat of Mandan (\$210)

⁵ Labor to seed Cross Ranch and Fort Abraham Lincoln restoration and reconstruction sites 32 hours.

⁶ Labor tree distribution and planting over 80 hours.

⁷ Private donations for 2 trees at 2 state parks.

Table 3 Budget Detail December 1, 2019-June 30, 2020

Vendor	OHF	Match Share Cash	Match Share In-kind	Other Match Share	Total
Agassiz Seed	\$ 6,131.00				\$ 6,131.00
Burgess's Greenhouse	\$ 1,000.00			\$ 340.99	\$ 1,340.99
Lowe's	\$ 1,003.06				\$ 1,003.06
Handy Andy's	\$ 1,027.06				\$ 1,027.06
Cashmen Nursery-BLSP	\$ 670.50				\$ 670.50
Riverside Gradens	\$ 1,013.00				\$ 1,013.00
Cashmen Nursery	\$ 1,020.60				\$ 1,020.60
S& B Landscaping	\$ 1,049.85				\$ 1,049.85
Lowe's	\$ 947.93				\$ 947.93
Giffeys Yard Garden	\$ 1,000.00				\$ 1,000.00
Plant Perfect	\$ 899.95				\$ 899.95
ND Soil CD/Lincoln Oakes Nursery	\$ 1,130.75	\$ 54.75			\$ 1,185.50
Towner Nursery	\$ 240.00				\$ 240.00
Morton County SCD	\$ 360.00				\$ 360.00
Bobcat of Mandan	\$ 210.00				\$ 210.00
Plant Perfect				\$ 179.99	\$ 179.99
Acme Rents	\$ 1,275.00	\$ 400.00			\$ 1,675.00
CD & Sons	\$ 300.00				\$ 300.00
ND Parks and Recreation Field Staff-Seeding			\$ 480.00		
ND Parks and Recreation Field Staff-Tree Delieveries & Planting			\$ 1,200.00		
					\$ -
Native Prairie Resotration Seed	\$ 6,131.00				\$ 6,131.00
Tree & Shrub Stock	\$ 11,002.70				\$ 11,002.70
Hazardous Tree Contracted Servbices/Rentals	\$ 1,575.00				\$ 1,575.00
Native Prairie Restoration Equipment Rental	\$ 570.00				\$ 570.00
	\$ 19,278.70	\$ 454.75	\$ 1,680.00	\$ 520.98	\$ 21,934.43

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Signature of Responsible Official

Kathy Duttonhefner