

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	Report Date	Period Covered by Report
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011-127	August 26, 2022	10/01/21 – 9/30/22
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Project Name

NWTF Northern Plains Riparian Restoration Initiative

Project Sponsor Name

National Wild Turkey Federation

Responsible Official (Last, First Middle)

Smith, Collin W.

Responsible Official's Title

District Biologist

Project Sponsor Address

770 Augusta Road

City

Edgefield

State

South Carolina

Zip Code

29824

Telephone Number

(803) 637-3106

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
Cash Match Funding	NWTF: \$3,485.07 Partners: \$194,150.77 Total: \$197,635.84	NWTF: \$21,610.07 Partners: \$415,658.03 Total: \$437,268.10	
In-kind Match Funding	NWTF: \$3,267.21 Partner: \$3,253.35 Total: \$6,520.56	NWTF: \$16,659.13 Partner: \$19,851.15 Total: \$36,510.28	
OHF Funding	\$16,167.25	\$37,542.25	\$7,457.75
Total			

Do you anticipate needing to request a grant extension? // Yes /X/ No

*As appropriate please provide copies of receipts for purchases.

Work Completed during Period Covered by Report:

REPORTING PERIOD OCTOBER 1, 2021 – SEPTEMBER 30, 2022

During the period from October 1, 2021 through September 30, 2022, NWTF staff continued to work with partners to complete NPRRI awards that were allocated during the 2021 NPRRI session. Project site visits were conducted as necessary, in addition to performing project administrative activities. This entailed 51.75 hours of NWTF staff time. Four North Dakota riparian projects were completed during this OHF reporting period. The combined NWTF staff time and indirect in-kind match funding totaled \$3,267.21.

OHF GRANT PROJECT SUMMARY TO DATE (NWTF's NPRRI cycle's 2018, 2019, 2020, 2021)

2018 NPRRI CYCLE

During the **2018 NPRRI** cycle, two riparian projects will be utilizing funds from this OHF grant in support of performance/activities. These projects are listed below.

2018 Project 18ND01 - Glencoe Farms Riparian & Upland Enhancement Project

This U.S. Fish and Wildlife Service Partners for Wildlife project is located in the NW corner of Emmons County, ND and consists of restoring and improving 102 acres of riparian habitat and an additional 435 upland acres of private farmland through the creation of riparian grazing pastures. Project specifics entail the installation of cross fencing, a solar well and water pipeline, removal of invasive tree species such as Russian olive, and the implementation of a proper riparian grazing regime. The project objectives include improved health of the native riparian areas & woody areas as well as the general overall native plant/grass communities. Partners will be assisting with the delivery of this project at an estimated total cost of \$70,000. The NWTF awarded \$6,500 in cash support of this project. **(COMPLETED)**

Total Project Cost: \$69,661.67

NPRRI Award Amount (NWTF & OHF cash combined): \$6,500

OHF Cash: \$4,500

NWTF Cash Match: \$2,000

Partner Cash Match: \$63,161.67

Partner In-kind Match: none



Glencoe Farms Project – new well & water tank

*As appropriate please provide copies of receipts for purchases.

2018 Project 18ND02 - Janke-James River Project

This North Dakota Game & Fish Department project is located in LaMoure County, ND, approximately 4 miles SE of the town of LaMoure. The project takes place on private lands enrolled in the North Dakota Game & Fish Department's PLOTS program which are open to public hunting. The project consists of the re-contouring of a steep, highly eroded bank along the James River. High water and erosion is resulting in head cutting taking place along this section of river and topsoil and native grasses are being lost over time. The project aims to restore 4,364 feet of a 12ft steep bank along the James River by slope the bank back to a 3:1 slope and planting a native/introduced grass mix starting at the water's edge and ending 100 feet back. The slope will be stabilized with matting (V-Max and Coconut) on top of the grass seed. An additional 3,235 feet will have a 100-foot grass buffer planted but no additional earth work will be required. The project will have five project partners working together and estimate the project to cost approximately \$104,852.68. The NWTF's NPRRI has awarded \$2,000 in cash support, and the project is anticipated to be completed in late summer of 2019. The NPRRI award, including the OHF portion, supported the installation of stabilization material.

(COMPLETED)

Total Project Cost: \$130,932.52

NPRRI Award Amount (NWTF & OHF cash combined): \$2,000

OHF Cash: \$1,500

NWTF Cash Match: \$500

Partner Cash Match: \$117,444.52

Partner In-kind Match: \$11,488.00



Janke James River Project – stabilization material installation

2019 NPRRI CYCLE

During the **2019 NPRRI** cycle, five riparian projects will be utilizing funds from this OHF grant in support of performance/activities. These projects are listed below.

2019 Project 19ND01 – Njos Alkali Creek Project

This U.S. Fish and Wildlife Service Partners for Wildlife project is located in Bowman County, ND. The project takes place on private lands that are currently enrolled in the North Dakota Game and Fish Department's PLOTS program. The project consists of the installation of fencing and water developments and removal of invasive grass to improve two miles of riparian grazing management, resulting in enhanced riparian communities, grasslands and water quality. This improved grazing system will affect 320 acres directly along Alkali Creek and enhance a total of 3,000 associated upland grasslands. Multiple wildlife species will benefit as these areas are rested from grazing and permitted to recover. This project will have 6 project partners working together and it is estimated that the project will cost approximately \$17,783.68. The NWTF's NPRRI has awarded \$3,000 in cash support, and the project is in completion stage now. The NPRRI award, including the OHF portion, supported the pipeline construction going to water developments. **(COMPLETED)**

Total Project Cost: \$17,783.68

NPRRI Award Amount (NWTF & OHF cash combined): \$3,000

OHF Cash: \$2,250

NWTF Cash Match: \$750

Partner Cash Match: \$11,698.88

Partner In-kind Match: \$3,084.80



Njos Alkali Creek Project – pipeline



Njos Alkali Creek Project – water tank

2019 Project 19ND02 – Nagel Otter Creek Project

This U.S. Fish and Wildlife Service Partners for Wildlife project is located in Grant County, ND on private lands. Through the installation of riparian fencing, tree plantings and off-site water developments, this project will improve 8,000 feet of riparian management on Otter Creek, which is a tributary of the Heart River, and also improve grassland management on the associated drainages & uplands. This improved grazing system will affect 1,040 acres in total, providing improved habitat for many species of wildlife and also improve water quality. The project has four project partners working together and it is estimated that the project will cost approximately \$125,098.43. The NWTF's NPRRI has awarded \$6,000 in cash support, and the project is in nearing completion stage now. The NPRRI award, including the OHF portion, supported the well construction. **(COMPLETED)**

Total Project Cost: \$125,098.43

NPRRI Award Amount (NWTF & OHF cash combined): \$6,000

OHF Cash: \$4,500

NWTF Cash Match: \$1,500

Partner Cash Match: \$119,098.43

Partner In-kind Match: None



Nagel Otter Creek Project – well head

2019 Project 19ND03 – Richards Beaver Creek Project - CANCELLED IN 2020

This U.S. Fish and Wildlife Service Partners for Wildlife project is located in Golden Valley County, ND. The project takes place on private lands that are currently enrolled in the North Dakota Game and Fish Department's PLOTS program. This project will take place in two phases, with phase 1 affecting 348 acres and phase two affecting 460 acres. An additional 517 acres of grasslands will see improved management. The project consists of the installation of 7,100 feet of riparian fencing, grass plantings and construction of off-site water developments enabling improved riparian community management. Phase 1 will improve management on 15,500 feet of Beaver Creek while phase 2 will improve management of another 16,200 feet of Beaver creek and 4,000 feet of other unnamed drainages. This riparian community supports habitat for a variety of wildlife species. This project will have eight project partners working together and it is estimated that all phases of the project combined will cost approximately \$92,000. The NWTF's NPRRI has awarded \$2,500 in cash support, and the project is expected to be completed in summer 2020. **(this project has been cancelled)**

2019 Project 19ND04 – Aefedt Riparian Pasture Project - CANCELLED IN 2021

This U.S. Fish and Wildlife Service Partners for Wildlife project is located in Grant County, ND. The project takes place on private lands and consists of the installation of fencing and water lines to create a 14 pasture rotation system from what is currently a two pasture system. This will allow for multi pasture short duration grazing and long duration resting on 1,033 acres along the Cannon Ball river. This improved grazing system will enhance both riparian & grassland health for a multitude of wildlife species. Additionally, 111 acres of cropland has been restored to native grass & legumes along with 41 acres of wetlands and riparian habitat enhancements. This project will have six project partners working together and it is estimated that the project will cost approximately \$115,474.50. The NWTF's NPRRI has awarded \$6,000 in cash support, and the project is anticipated to be completed in fall of 2020. **(this project has been cancelled)**

Total Estimated Project Cost: \$115,474.50

NPRRI Award Amount (NWTF & OHF cash combined): \$6,000

OHF Cash: \$4,500

NWTF Cash Match: \$1,500

Partner Cash Match: to be determined upon completion

Partner In-kind Match: to be determined upon completion

2019 Project 19ND05 – Arlien Stryle Grazing System Project

This U.S. Fish and Wildlife Service Partners for Wildlife project is located in Emmons County, ND. The project takes place on private lands and ND state lands and consists of the installation of cross fence to create a 25 pasture rotation system that will permit 340 to 400 days of rest to the majority of pastures, which will increase wildlife cover and minimize disturbance on 1,633 acres. Riparian areas and woody draws located on the project site will be enhanced through limited and properly timed grazing when the need occurs. This project will have seven project partners working together and it is estimated that the project in its entirety (several phases upland & riparian) will cost approximately \$65,400. The NWTF's NPRRI has awarded \$3,500 in cash support, and the project is anticipated to be completed in spring of 2020. **(COMPLETED)**

Total Project Cost: \$7,690.98 (riparian phase only)

NPRRI Award Amount (NWTF & OHF cash combined): \$3,500

OHF Cash: \$2,625

NWTF Cash Match: \$875

Partner Cash Match: \$3,140.98

Partner In-kind Match: \$1,050.00



Arlien-Stryle Project – riparian pasture fence



Arlien-Stryle Project – new stock tank, previous phase of project

2020 NPRRI CYCLE

During the **2020 NPRRI** cycle, three riparian projects will be utilizing funds from this OHF grant in support of performance/activities. Completion is anticipated in 2021. These projects are listed below.

2020 Project 20ND01- Vetter Beaver Bay Riparian Project

This riparian grazing management project is located in Emmons County, ND. The project takes place on private lands and NDGF lands, and consists of the installation of fence, a well, water tanks and pipeline to improve grazing management. This collaborative project will improve wildlife habitat and livestock grazing management on approximately 210 acres along beaver Creek. Four partners are collaborating in the effort including USFWS, NDGF, private landowner and NWTF, in addition to the support provided through OHF. Riparian areas and woody draws located on the project site will be enhanced through limited and properly timed grazing when the need occurs. It is estimated that the project will cost approximately \$27,310. The NWTF's NPRRI has awarded \$2,500 in cash support, and the project is anticipated to be completed in summer of 2021. **(Completed this reporting period)**

Total Project Cost: \$22,648.28

NPRRI Award Amount (OHF cash): \$1,667.25

OHF Cash: \$1,667.25

NWTF Cash Match: None

Partner Cash Match: \$20,981.03

Partner In-kind Match: None



Vetter Riparian Pasture



Newly constructed well and stock tank

2020 Project 20ND02 - Mike's Creek Riparian Juniper Reduction

This is an invasive species removal project taking place on U.S. Forest Service lands on the Medora Ranger District of the Little Missouri National Grassland in Billings County. Rocky Mountain juniper encroachment across the Little Missouri NG has increased substantially over the last several decades. Specifically, this has impacted many resources within the Mike's Creek watershed on the Medora Ranger District. This project will use mechanical treatments, including chainsaws and/or mastication, to reduce the amount of juniper within the watershed. Juniper treatments will not be aimed at eradication but to back juniper out of the deep, productive soils it has encroached upon with the reduction in normal fire frequency and the other factors promoting its spread. Five treatment units totaling approximately 1,000 acres are planned with anticipated completion of the riparian phase slated for summer of 2021. It is estimated that the riparian portion of the project will cost approximately \$170,000. The NWTF's NPRRI has awarded up to \$12,000 in cash support. This project was selected for funding through the Joint Chief's Landscape Restoration Partnership program and has multiple partners involved. **(Completed this reporting period)**

Total Project Cost: \$166,629.07

NPRRI Award Amount (NWTF & OHF cash combined): \$11,985.07

OHF Cash: \$9,000

NWTF Cash Match: \$2,985.07

Partner Cash Match: \$154,644.00

Partner In-kind Match: None



Mikes's Creek drainage with juniper infestation



Masticator at work

2020 Project 20ND03 - Long Lake Creek Riparian Improvement

This U.S. Fish and Wildlife Service Partners for Wildlife program project entails the replacement of an undersized culvert structure on Long Lake Creek in Emmons County. The existing trail crossing and culvert at Long Creek is prone to regular washouts that prevent access to conduct management actions, creates velocities that prevent fish movement upstream, and causes downstream erosion and loss of functionality of the entire riparian system. This project will replace the existing undersized and perched culvert crossing with a culvert of adequate size that allows fish passage and flow of larger floodwaters so that washouts are significantly decreased. The culvert design will follow established principles to maximize aquatic organism passage and is currently estimated to need at least a 15-foot-wide x 9-foot-tall structure. There are approximately 440 miles of riparian ecosystem and stream associated with the crossing that can benefit. Objectives are as follows: increase fish passage through the site for all fish species, restore stream functions and habitat at site location, restore fish access to up to 440 miles of stream habitat, reduce propensity of site to washout during storms, increase road access during all times of year to improve implementation of management action, showcase these kinds of crossing designs and their effectiveness. The project has at least 7 partners to date and is anticipated to cost \$45,000 with completion targeted for summer 2021. **(this project is still in progress)**

Total Estimated Project Cost: \$45,000

NPRRI Award Amount (NWTF & OHF cash combined): \$7,500

OHF Cash: \$5,500

NWTF Cash Match: \$2,000

Partner Cash Match: to be determined upon completion

Partner In-kind Match: to be determined upon completion

2021 NPRRI CYCLE

During the **2021 NPRRI** cycle, three riparian projects will be utilizing funds from this OHF grant in support of performance/activities. Completion is anticipated in 2022. These projects are listed below.

2021 Project 21ND01- NDGF Beaver Creek Trust Lands Water Development Project

This riparian grazing management project is located in Burleigh County, ND. The project takes place on state trust and NDGF lands and consists of the installation of fencing, a well and water tanks to improve grazing management. This project will improve wildlife habitat and livestock grazing management on approximately 682 acres along Beaver Creek and the Missouri River. Five partners are collaborating in the effort including NDGF, ND Trust Lands, Natural Resources Trust, a lessee private and NWTF, in addition to the support provided through OHF. Riparian areas and woody draws located on the project site will be enhanced through exclusion and limited properly timed grazing. It is estimated that the project will cost approximately \$35,000. The NWTF's NPRRI has awarded \$8,000 in cash support, and the project is anticipated to be completed in summer of 2021. **(COMPLETED)**

Total Project Cost: \$35,036.21

NPRRI Award Amount (NWTF & OHF cash combined): \$8,000

OHF Cash: \$6,000

NWTF Cash Match: \$2,000

Partner Cash Match: \$26,061.21

Partner In-kind Match: \$975.00



Beaver Creek Project – new solar panels & well



Beaver Creek Project – new stock tanks

2021 Project 21ND02 - SVGA Sheyenne National Grassland Riparian Restoration

This project is taking place on U.S. Forest Service Sheyenne National Grassland in Richland County. The Sheyenne Valley Grazing Association is partnering with the USFS and North Dakota State University to modify the grazing management practices along Iron Creek in order to restore the riparian ecosystem. The Iron Springs Creek channel has become incised from continual erosion of the system, likely due to continuous grazing regimes. The goal of this project is to better manage cattle to impact the incised banks with high intensity use followed by a long period of rest. This would help break down the banks and then allow for establishment of riparian vegetation during the rest period. Two riparian pastures will be created by installing 2.5 miles of permanent electric fence and removing 3 miles of existing fence. North Dakota State University will be studying the impacts to this riparian system as well as two other systems on the Sheyenne National Grassland and one on their property. Their research will evaluate the proposed management strategies and their effect on the ecosystem processes of these riparian systems. **(Completed this reporting period)**

Total Project Cost: \$6,823.09

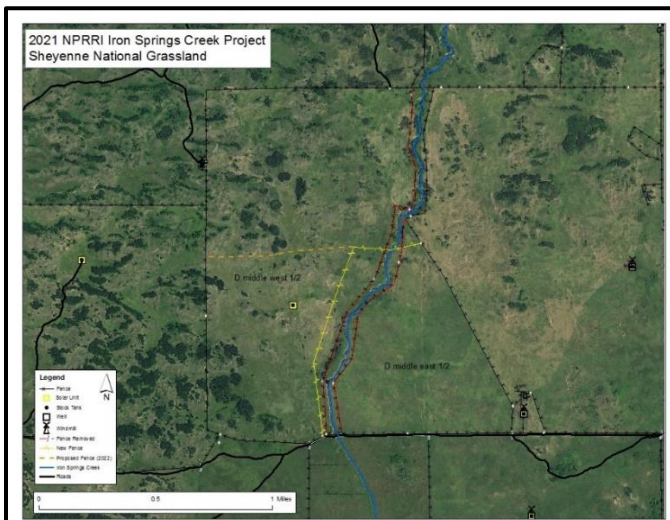
NPRRI Award Amount (NWTF & OHF cash combined): \$2,000

OHF Cash: \$1,500

NWTF Cash Match: \$500

Partner Cash Match: \$1,569.74

Partner In-kind Match: \$3,253.35



Map of project area



Project site – Iron Springs Creek

2021 Project 21ND03 – Painted Woods Bottoms

This project consists of multiple landowners and has several outcome driven objectives. The USFWS is working with NRCS, NDGF, NDNRT and private landowners to accomplish these objectives which include: 1.) Improving Missouri river bottom woodlands & grass lands habitat on private & public lands; 2.) Increase rest & recovery of grassland grazing on the private land in riparian woodlands; 3.) Increase wildlife habitat quality on public lands through reduction in noxious weeds via grazing; 4.) Reduce cattle induced stress on woody species & increase forbs & legumes in the existing stands using livestock early in the spring along with inter-seeding; 5.) Reduce direct contact of livestock to the Missouri river & painted woods lake. The work entails the installation of cross fencing and water pipeline to better manage livestock to enhance the land and reduce any potential negative impacts. **(Completed this reporting period)**

Total Project Cost: \$20,956.50

NPRRI Award Amount (OHF cash): \$4,000

OHF Cash: \$4,000

NWTF Cash Match: None (all partner match on this project)

Partner Cash Match: \$16,956.50

Partner In-kind Match: None



One of the new water tanks installed on the Painted Woods project

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.

This report was prepared pursuant to an agreement with the Industrial Commission of North Dakota, which partially funded the project through the Outdoor Heritage Fund. Project participants, its subcontractors, and the Industrial Commission of North Dakota, or any person acting on its behalf, do not:

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Signature of Responsible Official

Collin W. Smith, NWTF District Biologist