

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.

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 002-022	Report Date 10/31/18	Period Covered by Report (7/14/14 to 10/31/18)
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Project Name
Red River Riparian Program

Project Sponsor Name
Red River Regional Council

Responsible Official (Last, First Middle) Gorder, Danielle	Responsible Official's Title Environmental Program Manager
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Project Sponsor Address
Chase Building, 516 Cooper Ave.

City Grafton	State ND	Zip Code 58237	Telephone Number 701-352-3550
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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

No funds are being requested at this time. This section summarizes funds spent through the end of the project.

(As appropriate please provide copies of receipts for purchases)

Match Funding \$ 0.00

In-kind Funding \$ 0.00

OHF Funding **Requested for Reimbursement** \$0.00

Total Funding Expended for this Reporting Period \$0.00

Total Funds Spent to Date (10/31/18)

Match Funding \$150,691.11

In-kind Funding \$

OHF Funding Received and Requested for Reimbursement \$223,186.68

Total Funding Expended to Date \$368,892.66

Balance of Grant Funds

Match Funding \$2,641.89

In-kind Funding \$0.00

OHF Funding still to be Requested \$6,813.32

Total Funding to be Expended on this Project \$832,110.53

Do you anticipate needing to request a grant extension If yes, please explain

Yes No

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

This is the final report. See accompanying final report executive summary for a complete project report.

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

Dawn Keeley (by Cheryl Oawski)

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.

OHF FINAL REPORT – EXECUTIVE SUMMARY

Project Number: 002-022

Recipient: Red River Riparian Program

Award Amount: \$230,000.00

Total Project Costs: \$368,892.66

Total OHF Funds Received: \$223,186.68



Goal of Project:

- Provide technical support to develop a minimum of fifteen riparian management plans for targeted 303(d) listed streams.
- Provide financial support to facilitate the installation of 10 river miles of riparian restoration in targeted reaches of the Park River, Forest River, and Middle Shyenenne Rivers.
- Promote stewardship of riparian areas through outreach to local school and volunteer groups.
- Educate stakeholders, landowners, local natural resource professionals on riparian practices.

Significantly damaged riparian areas resulted from a series of three separate floods that affected the Forest and Park River watersheds in 2013. We will work to restore damaged and inadequately buffered riparian areas in the targeted watersheds. Riparian restoration practices must be designed to take on sudden high stream flows, which increases the costs of projects. Addressing stream bank damage and riparian re-vegetation will continue to be at the forefront of our efforts to improve water quality.

Work Accomplished:

The project impacted three livestock operations in the prescribed area, including exclusionary fencing, water source replacement, portable wind break panels, and rotational grazing projects (see statistics below). A three phase Snag and Clear project was completed on 24.8 miles of the Park River in Walsh County, and a riparian restoration was completed at a public access site along the Park River at the Elmwood Historic property in Grafton. In addition, the program manager participated in several education and outreach events during the project period. The program manager also provided technical assistance to the Walsh County Water Resource District (WCWRD) in the planning stages of an innovative riparian vegetation installation in a flood control/agricultural drainage system.

Project Results:

	River Miles	Acres Impacted	Feet of Fencing	Feet of Pipeline
Phase 5 Projects				
Ross Messner Livestock Management		120		1,000
Park River Snag and Clear Phase 1 - City of Grafton	3.8			
Park River Snag and Clear Phase 2 - WCWRD	15.2			
Park River Snag and Clear Phase 3 - WCWRD	5.8			
John Hovde Livestock Management		23	5,987	1,300
Ray Zajac Prescribed Grazing		120	14,233	
Elmwood Riparian Restoration		20		
TOTAL	24.8	283	20,220	2,300
Total number of producers	6			
Total number of acres impacted	283			
Total feet of fencing	20,220			
Total feet of pipeline	2,300			
Total numbers of river miles impacted	24.8			

Value to North Dakota:

- Ongoing outreach to schools is essential to the understanding of river systems and the long-term benefits of efforts to prevent erosion, protect our waterways, and conserve and protection of our natural areas.
- Outreach to water resource districts, especially in the Red River Valley where drainage is a large expenditure, is essential to the long-term protection of these drainage investments from erosion, and the downstream impacts of nutrient flows.
- Efforts to support sustainable livestock management practices protects our waterways from animal waste and the degradation of water quality.

Additional Notes

Outreach and education:

- The RRRP Manager coordinates with other local natural resource professionals to conduct yearly education and outreach events. These events include Eco Ed Day for youth and the Walsh County Land and Water Workshop, which primarily draws farmers and ranchers. These events circulate knowledge on riparian ecosystems, soil health, water quality, and conservation efforts. Additional education events are conducted as the opportunity arises, such as:
 - The RRRP Manager assisted Dakota Science with their Water Festival in May 2018 by leading the water cycle station. Over 80 Grand Forks area 4th graders were educated on the water cycle.
 - The RRRP Manager assisted the Walsh County Three Rivers Soil Conservation District with a hands-on riparian planting experience for approximately 30 Edinburg 8th grade biology students in May 2017.
 - In August 2016, a field presentation was conducted for the Geographically FIT (Forestry Institute for Teachers) Tour providing information to approximately 50 4th-12th grade teachers on riparian ecosystems, successful restoration, and continued monitoring. An informational handout was prepared and provided, along with an oral presentation at a successful riparian restoration site.
 - A presentation on potential best management practices to address water quality issues caused by legal drainage systems was conducted at the Red River Basin Commission Annual Conference in January 2016.

Projects:

Within the last year (Sept 1, 2017 – August 31, 2018):

- Funded by the North Dakota Outdoor Heritage Fund, a 3-phase snag and clear project on the Park River was completed in April 2018. RRRP and OHF involvement ensures that the project is completed to NRCS specifications for clearing and snagging (Code 326). The RRRP Manager serves as the authorized on-site representative during project implementation and ensures work was completed to NRCS specification.
 - Phase 1 (3.8 river miles), Phase 2 (15.2 river miles), Phase 3 (5.8 river miles)
 - The RRRP assisted the City of Grafton with Phase 1 of the Park River Snag and Clear Project. Phase 1 concluded in February 2018. Successfully meeting NRCS Standards for Clearing and Snagging, 3.8 river miles were cleared of unfavorable debris. This project enabled us to reduce riverbank erosion, maintain unrestricted flow, and enhance water quality within the Park River.
 - Phase 2 (15.2 miles) of the WCWRD's Park River Snag and Clear project was completed in spring 2017.

- Through coordination with Houston Engineering, the WCWRD completed Phase 3 of the Park River Snag and Clear project in April 2018. Phase 3 restored flow in 5.8 miles of the Park River. This phase completed the 3-phase project, which resulted in improvement of 24.8 miles within the Park River.
- RRRP planning and technical assistance has been provided for the following riparian vegetation establishment projects.
 - In coordination with the Walsh County Three Rivers Soil Conservation District, the RRRP assisted Grafton Parks and Recreation with a riparian restoration project at Elmwood. Elmwood is a 20-acre historic site within a meander cutoff along the Park River within Grafton, ND. The project achieved its goals to increase diversity in tree, shrub, grass, and forb communities. Additional goals include increased public access to educate visitors on species diversity and the importance of healthy riparian areas.
 - In coordination with the WCWRD, implementation is in-progress for a demonstration project involving 2.9 miles of riparian vegetation establishment within a drainage system. It is expected that the project will improve conventional drainage by utilizing two-stage channel geometry and establishing quality, low-maintenance prairie within and adjacent to the channel. Project implementation began in summer 2018 and is expected to conclude by summer 2019.

Project Photos



Elmwood Historic District Riparian Restoration, Grafton, ND



Geographically FIT (Forestry Institute for Teachers) field presentation.



Hovde exclusionary fencing project, Ardoch, ND



May 2018 Dakota Science Center Water Festival, Grand Forks, ND



Zajac prescribed grazing project, Fordville, ND