

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 11/30/17 | Period Covered by Report 12/1/16 to 11/30/17 (Annual Report) | |
| 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 | |
| Project Sponsor Address Chase Building, 516 Cooper Ave | | | |
| City Grafton | State ND | Zip Code 58237 | Telephone Number 701.352.3550 |
| 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 throughout the annual reporting period (12/1/16 to 11/30/17). | | | |
| (As appropriate please provide copies of receipts for purchases) | | | |
| Match Funding Spent From 12/1/16 to 11/30/17 | | \$ 67,071.40 | |
| In-kind Funding | | \$ | |
| OHF Funding Spent From 12/1/16 to 11/30/17 | | \$ 100,607.60 | |
| Total Funding Expended for this Reporting Period | | \$ 167,679.00 | |
| Total Funds Spent to Date (7/14/2014 to 11/30/2017) | | | |
| Match Funding | | \$ 113,385.40 | |
| In-kind Funding | | \$ | |
| OHF Funding Received and Requested for Reimbursement | | \$ 170,078.60 | |
| Total Funding Expended to Date | | \$ 283,464.00 | |
| Balance of Grant Funds | | | |
| Match Funding | | \$ 39,947.60 | |
| In-kind Funding | | \$ | |
| OHF Funding still to be Requested | | \$ 59,921.40 | |
| 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)

The following information is a summary of all completed and on-going projects carried out under the current Outdoor Heritage Fund grant award, which was executed on July 14, 2014.

Completed Projects

1. Ross Messner - Proper Livestock Grazing Management

Various best management practices were utilized to implement responsible livestock grazing practices including, exclusionary fencing to limit grazing in a riparian area, off-channel watering, rotational grazing, and use of windbreaks. This project significantly aided in manure management, improvement of grazing and wildlife habitat, as well as water quality improvement in the Sheyenne River Watershed. The project was completed in March 2016.

2. Walsh County Water Resource District (WCWRD) Park River Debris Removal (Phase 2)

Phase 2 of the WCWRD Park River Debris Removal project concluded on March 24, 2017. Following NRCS standards for clearing and snagging, the project cleared 15.2 miles of unfavorable debris from the Park River. Following debris removal, debris was properly disposed and project cleanup was carried out, successfully meeting requirements for certification. This project enabled us to minimize in-stream erosion, improve river bank stability, maintain unrestricted and efficient flow, maximize riparian function, and enhance water quality within the Park River. The WCWRD is acting as a fiduciary for landowners adjacent to the river who will be assessed for the cost of match.

In October 2016, unmanned aircraft systems (UAS) technology was utilized to assess the extent of storm damage within the Park River riparian corridor and final work to be completed in phase 2 (Fig. 1). All parties involved agree that the use of UAS technology significantly increases efficiency, effectiveness, and success of the Park River debris removal project.

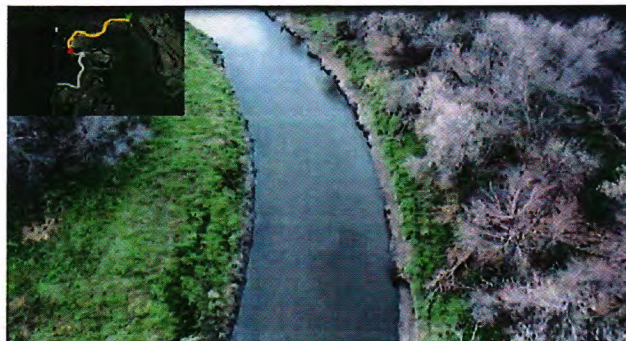


Figure 1. Assessment of riparian corridor using UAS technology.

3. John Hovde - Proper Livestock Grazing Management

Technical and financial assistance was provided to cattle producer, John Hovde, to implement responsible grazing practices. Reimbursement funded John Hovde's off-channel watering system, which included approximately 1,300 ft of pipeline, a trough, and waterer, as well as materials and labor to seal a free flowing artesian well that was contaminating surface water with toxic artesian water, adversely impacting the health of livestock, water quality, and habitat of aquatic organisms.

By limiting grazing within his riparian corridor and utilizing an off-channel watering system, John is properly maintaining bank stability, reducing erosion and sedimentation, and minimizing nutrient pollution. Funds for fencing were provided by the Section 319 Nonpoint Source Pollution Management Program. John's project was completed on December 9, 2016.

4. Ray Zajac - Prescribed Grazing Plan

Ray Zajac, landowner of 120 acres approximately three miles northwest of Fordville, constructed a barbed-wire fence for rotational grazing. Fencing, illustrated in Figure 2, divides the property into 3 grazing cells. Following a prescribed grazing plan, the producer will rotate cattle throughout the cells in order to ensure maintenance and improvement of vegetation by allowing for adequate recovery/rest periods during the growing season as well as meet the needs of the grazing animal and enhance wildlife habitat. Rotational grazing will also limit grazing within the riparian area, resulting in reduced erosion, sedimentation, and nutrient pollution in the Forest River. Ray's fencing project was completed on July 19, 2017.

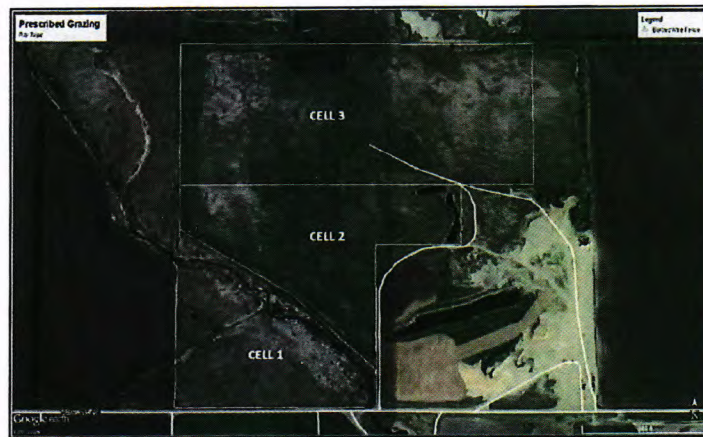


Figure 2. Ray Zajac's Cell Grazing System

On-going Projects

1. City of Grafton Park River Debris Removal (Phase 1)

The City of Grafton is conducting Phase 1 of the Park River Debris Removal Project. In November 2016, UAS technology was used in phase 1 of the Park River debris removal project to assess the extent of work to be completed. Throughout winter 2016/2017, it was determined that modifications were necessary to proceed with the project. The phase 1 project extent was not expanded, but adjusted to work cooperatively with Phase 2 and Phase 3 of the Park River Debris Removal project, which are facilitated by the WCWRD. Phase 1 begins at the intersection of the Park River and the northwest corner of Grafton city limits and extends downstream 3.8 river miles (Fig. 3). Coordination between the City of Grafton and WCWRD resulted in an agreement on January 10, 2017.



Figure 3. The Phase 1 Park River debris removal extent is highlighted in red. Phase 2 was completed to the east and phase 3 will be completed to the west.

Additionally, due to an unqualified contractor, Phase 1 was rebid in March 2017. The project was awarded to Kraulik Excavating of Karlstad, Minnesota. Currently, Kraulik's crew is preparing to execute Phase 1 of the Park River Debris Removal Project and given winter conditions allow, complete the project by February 28, 2018.

2. WCWRD Park River Debris Removal (Phase 3)

The WCWRD is currently preparing to complete the third and final phase of the Park River debris removal project. Phase 3 will enhance riparian function throughout 14 river miles upstream of Phase 1. On November 14, 2017, the WCWRD awarded Phase 3 to Berger Enterprises of Emerado, North Dakota. The WCWRD spent \$127,646 of the \$150,000 OHF funds committed by the Red River Regional Council (RRRC) to Park River Debris Removal Phase 2. The WCWRD will utilize the remaining \$22,354 to begin Phase 3 of the project. Phase 3 work will begin winter 2017/2018 when weather and ice conditions allow.

3. Grafton Parks and Recreation – Historic Elmwood Restoration

Elmwood is a 20-acre historic site within a meander cutoff along the Park River within Grafton, North Dakota (Fig. 4 and Fig. 5). Goals of the restoration project include increased diversity in tree, shrub, grass, and forb communities, nature trail establishment, and development of brochures with information to educate visitors on established species and riparian areas.

Throughout summer and fall 2017, site visits and surveying completed by the Grafton Parks and Recreation Department, RRRC, and Walsh County Three Rivers Soil Conservation District resulted in a restoration plan. Plans include, down tree cleanup, mowing, herbicide application, planting, maintenance work, and brochure development for education. Work will continue throughout spring 2018 and the project will conclude by June 30, 2018.



Figure 4. Looking north at Elmwood restoration site.



Figure 5. Looking south at historic Elmwood home.

4. Carl Quam, Jr. - Partial System Manure Management Plan

Due to producer injury, Carl's manure management project has been delayed. However, Carl plans to continue with the current plan to utilize fencing and windbreaks for manure management while feeding cattle on his cropland throughout the winter months. A rotational schedule will be followed that allows for proper manure distribution by periodically moving feeding sites throughout the cropland. The partial system manure management plan will reduce manure accumulation near surface water and the need to spread. The project will be completed in spring 2018.

Exhibit B

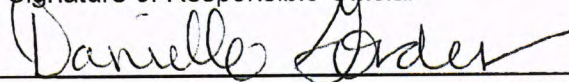
Additional Financial Information

| Outdoor Heritage Fund Grant Award | |
|---|---------------------|
| Total Award | \$230,000.00 |
| Total OHF Funds Committed or Spent by RRRC* | |
| Ross Messner | \$21,718.80 |
| WCWRD Park River Debris Removal | \$150,000.00 |
| City of Grafton Park River Debris Removal | \$21,647.00 |
| John Hovde | \$5,656.53 |
| Elmwood | \$4,714.80 |
| Carl Quam, Jr. | \$10,818.00 |
| Ray Zajac | \$15,444.00 |
| Total Funds Committed/Spent | \$229,999.13 |
| Balance of Grant Funds Still to be Allocated | \$0.87 |

*All projects follow 60/40 cost share agreement.

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



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.