

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.

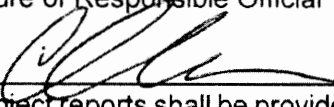
Outdoor Heritage Fund Status and Final Report Form/Guidelines			
This report is used to show progress of grant projects funded through the Outdoor Heritage Fund. Status Reports and the Final Report must be submitted as required in Contract.			
Contract Number 001-011	Report Date January 15, 2017	Period Covered by Report (3/24/14 to 01/15/2017)	
Project Name Ransom County Water Quality Improvement Project			
Project Sponsor Name Ransom County Soil Conservation District			
Responsible Official (Last, First Middle) Nannenga, Chris R		Responsible Official's Title District Coordinator	
Project Sponsor Address 701 Main St			
City Lisbon	State ND	Zip Code 58054-0431	Telephone Number 701-683-4101 Ext. 3
<u>Financial Update</u> Please provide the following information regarding the funding for your project based on the contract award:			
<u>Funds Spent this Reporting Period</u> (As appropriate please provide copies of receipts for purchases) Match Funding \$ 272,652.69 In-kind Funding \$ 500 OHF Funding Requested for Reimbursement \$72,151.93 Total Funding Expended for this Reporting Period \$345,304.62			
<u>Total Funds Spent to Date</u> Match Funding \$375,606.53 In-kind Funding \$4,620 OHF Funding Received and Requested for Reimbursement \$115,000 Total Funding Expended to Date \$ 495,226.53			
<u>Balance of Grant Funds</u> Match Funding \$0 In-kind Funding \$5,380 OHF Funding still to be Requested \$0 Total Funding to be Expended on this Project \$495,226.53			
Do you anticipate needing to request a grant extension If yes, please explain / / Yes /x / No			

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

One livestock waste system had been completed as of November 30, 2015. The second agwaste system was completed in December of 2016.

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



1-25-17

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.

Final Report
Ransom County Water Quality Improvement Project
Contract # 001-011
(3/24/14 to 01/15/2017)
Ransom County Soil Conservation District
701 Main ST
Lisbon, ND 58054

The purpose of the Ransom County Water Quality Improvement Project was to restore the recreational and aquatic uses of the Sheyenne and Maple River Watersheds in Ransom County, ND. This was to be accomplished by containing livestock manure runoff from 5 animal feeding operations (AFO's) in Ransom County and implement nutrient management plans for these operations. Containment of manure runoff would reduce E.coli bacteria and nutrient concentrations in watersheds in Ransom County. This would improve water quality within the project area. Runoff of manure from animal feeding operations is the main source of recreational use impairment of the Sheyenne and Maple River Watersheds in Ransom County.

2 livestock waste systems were installed over the project period. \$115,000 of OHF funds, \$375, 606.53 dollars of match funding (319/producer) and \$4,620 of in-kind funding were used to install the 2 systems. Nutrient management plans have been implemented on both systems to insure that manure is applied at agronomic rates when land applied. Both systems were located on the Sheyenne River in Ransom County, ND. The project was not fully funded so only two systems could be installed with the funds provided by the OHF.

The North Dakota Department of health uses the Animal Feedlot Runoff Index Worksheet (AFRRIW) to determine reductions in nutrient loading after the installation of livestock waste systems. The AFRRIW was ran on the two systems to determine reductions in nutrient loading after the systems were installed. The results showed that 9,580 lbs. of nitrogen and 4,675 lbs. of phosphorous are no longer entering the Sheyenne River. E. Coli concentrations have also been reduced.

This project has improved water quality within the Sheyenne River Watershed in Ransom County, ND. The Sheyenne River is a tributary of the Red River. The reduction of nutrients associated with the installation of the livestock waste systems benefits not only residents of Ransom County, but all ND residents that live along the Red River in ND.