

**Contract No. 001-010**

“Antelope Creek Wild Rice Corridor Watershed Restoration Project”

Submitted by Richland Soil Conservation District

Principal Investigator: Jennifer Klostreich

Directives B & C

**PARTICIPANTS**

<b>Sponsor</b>	<b>Original Cost Share</b>	<b>Revised Cost Share</b>
EPA Section 319	\$280,000	\$115,500
Landowner	\$ 55,000	\$ 10,500
NRCS (TA)	\$ 7,500	\$ 6,000
ND Dept. of Health	\$ 50,000	\$ 40,000
US Fish & Wildlife (TA)	\$ 500	\$ 400
Local SCD (TA & FA)	\$ 75,000	<u>\$ 60,000</u>
Unknown as a result of partial funding	<u>\$115,000</u>	
Subtotal Cash Cost Share	\$583,000	\$232,400
Richland County Commissioners	\$ 24,000	\$ 19,200
Richland County Water Resource Board	\$ 90,000	\$ 72,000
Sargent County EPA-319 (in-kind)	<u>\$175,000</u>	<u>\$140,000</u>
Subtotal In-kind Cost Share	\$289,000	\$231,200
North Dakota Industrial Commission	<u>\$105,000</u>	<u>\$105,000</u>
Total Project Cost	\$977,000	\$568,600

Project Schedule – 60 months  
Contract Date – April 7, 2014  
Start Date – 4/7/2014  
Completion Date – 11/30/2020\*

Project Deliverables:  
Status Report: August 31, 2014 ✓  
Status Report: November 30, 2014 ✓  
    Status Report: November 30, 2015 ✓  
Status Report: November 30, 2016 ✓  
Status Report: November 30, 2017 ✓  
Status Report: November 30, 2018\* ✓  
Status Report: November 30, 2019\* ✓  
Final Report: November 30, 2020\* ✓

**OBJECTIVE/STATEMENT OF WORK:**

Purpose of the project is to promote water quality improvement practices. The watershed coordinator will contact landowners adjacent to the Antelope Creek and Wild Rice River in Richland County. Funds will be used to offer cost share of riparian restoration projects which will result in improved water quality. Additionally, cost share match will be offered to landowners to replace declining field windbreaks in Richland County.

**STATUS:**

Original Request was \$220,000. The amount awarded was \$105,000. Due to the reduced funding award the applicant reduced the project size - note revised cost share above.

Contract 001-010 - Executed

**8/31/14** - Staff has been working with several producers in the planning stages of River Bank Stabilization. No projects have been completed at this time.

**11/30/14** - Staff has been working with two producers. We have two projects turned over to engineers to get a plan and also get an estimated cost of the project so that the producer can make a decision on whether they can move forward with the project. These proposed projects will probably get surveyed yet this fall and have design done over the winter. No projects have been completed at this time.

**11/30/15** - Staff has assisted producer complete a Diversion Dike Construction adjacent to the Wild Rice River near Great Bend, ND. Watershed Coordinator assisted with getting engineering services, cultural resource review of site and assisting in the bidding process. Work on site was completed in mid-November. Completed project photo is posted on the website. The photo includes the grass seed and mulch.

**11/30/16** - There are two projects in the planning phase. Both sites are on the Antelope Creek, both sites have bank erosion cutting into cropland. The owners would like to install a buffer to try to stabilize.

**11/30/17** - The project was able to start a restoration project on the Antelope Creek, but unfortunately with the early cold temperatures and wet conditions the contractor thought it was best to wait until spring to move forward. He was able to get the topsoil removed and piled outside of the project area. We have already discussed options with the producer of planting wheat along the project site so that we will be able to complete the project in early 2018. This project is just under 1 mile of streambank restoration. (photos are posted on the website)

Richland Soil Conservation District has requested a no-cost extension which has been granted for two years. They have indicated by granting the extension they will be able to utilize these funds along with funding received under the 319 program. They have several producers that have shown an interest in the project.

**5/31/18** – The project was able to start a restoration project on the Antelope Creek, but unfortunately with the early cold temperatures and wet conditions the contractor thought it was best to wait until spring to move forward. The project was started again this spring as soon as the frost permitted, late April. Project was completed and seeded on May 24, 2018. This project is just under 1 mile of streambank restoration. Photos are available in the full report.

**11/30/18** - Project was completed and seeded on May 24, 2018. This project is just under 1 mile of streambank restoration. Photos are available in the full report. The two completed projects have generated interest in our project. One project has the plan in place with all permits in place. This project will be installed in the Spring of 2019, due to poor weather conditions this fall.

Surveying has taken place on 4 other sites in late November, with hopes of getting a design complete this winter and installation done in early Spring of 2019 if a design can be put in place that is acceptable to all parties.

**9/19** – A 5 acre streambank restoration project was completed in August. A 6:1 slope on the Antelope Creek and filter strip was installed, along with rip rap to hold soil in place. Grass was seeded and is

coming up. A portion of the project was enrolled in CRP. The project made farmland to the east of the creek accessible when high water is present.

Before and after photos of the project are available in the full report.

**12/19** – An interim status report has been submitted reporting on the Water Quality Monitoring Results for the Antelope Creek Watershed and Riparian Corridor of the Wild Rice River. It states:

North Dakota Department of Environmental Quality (NDDEQ) has prepared a report for the Water Quality samples that have been collected from May 2011 – June 2019. Five sites are sampled on a regular basis with three sites showing decreasing amounts of Suspended Solids in the samples.

The Antelope/Wild Rice Corridor grant has not been utilized for the Windbreak replacement. Another Outdoor Heritage Fund (OHF) project that is administered by the North Dakota Conservation Districts has been utilized over the past few years with producers in the county. The OHF grant administered by the Forest Service has also been well received by producers, this program has the ability to assist them with the removal and replacement of trees on their property. It is our goal to use whichever program fits best for our producers.

A copy of the DEQ report is available in the status report.

**12/20** – A final report has been submitted. Overall, three water quality improvement projects were installed. Two water quality projects were installed with just under 3 miles (15,032 Feet) of streambank restored and vegetated to hold the topsoil in place. The third project was prone to river water breakout which flowed across farmland taking the topsoil with it. 6 acres of land was seeded to native grasses and reshaping was done to prevent these breakouts from removing topsoil and flowing into the Wild Rice River.

This contract is now closed with a returned commitment of \$60,524.52.

Updated 12/8/2020