

Conservation Implementation Strategy Project

Pierre Creek Watershed Project



This Project At-A-Glance

**Partner: Hanson County
Conservation District**

Funding for this project is provided by the EQIP Program and partners with financial and in kind contributions.

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The Conservation Implementation Strategy (CIS) is a new phased-in approach to deliver conservation programs to farmers and ranchers across South Dakota. Funding for CIS comes through the Environmental Quality Incentives Program (EQIP). Funding and support from other agencies and groups can be leveraged and coordinated to focus on mutual issues of the highest priority.

Background

Pierre Creek is located in central Hanson County and has a watershed of roughly 60,000 acres that eventually flows into Hanson Lake and the James River. The watershed primarily consists of cropland with a majority of the land immediately adjacent to the creek being rangeland. There are several resource concerns regarding soil and water quality, plant production, and livestock limitations that are present in the watershed. The Pierre Creek Watershed CIS Project will assist producers in addressing as many of those resource concerns as possible.

Goals

The goal of the watershed project is to improve water and soil quality to benefit the overall watershed and producers' operations. The practices chosen for this project are designed to have long-term benefits, to both soil and water, and ultimately the producer's operation.

Desired Outcomes

The desired outcome of the project is to reduce the amount of nutrients, pesticides, and sediments that are being transported to surface waters and degrading the water quality within Pierre Creek. This degradation also affects water quality in Hanson Lake and the James River. This project is also projected to help reduce soil quality degradation within the watershed by implementing different conservation practices. The primary resource concern categories that will be assessed and addressed are as follows: Soil Quality Degradation, Water Quality Degradation, Degraded Plant Condition, and Livestock Production Limitation. The local field office will work with producers to address any of these resource concerns that may be present on their operation.

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Conservation Practices

Primary Practices	Secondary Practices**
Brush Management (314)	Access Control (472)
Conservation Crop Rotation (328)	Heavy Use Area Protection (561)
Cover Crop (340)	Herbaceous Weed Control (315)
Conservation Cover (327)	Livestock Pipeline (516)
Critical Area Planting (342)	Livestock Watering Facility (614)
*Fence (382)	Livestock Watering Well (642)
Filter Strip (393)	Mulching (484)
Grassed Waterway (412)	Pumping Plant (533)
Nutrient Management (590)	Windbreak/Shelterbelt Establishment (380)
Pasture and Hay Planting (512)	Windbreak/Shelterbelt Renovation (650)
Pest Management Conservation System (595)	*Fence can act as a primary or supporting practice depending on the situation. In most cases it will act as a primary practice.
Prescribed Grazing (528)	
Prescribed Burning (338)	
Range Planting (550)	
Residue and Tillage Management, No-Till (329)	
Residue and Tillage Management, Reduced Till (345)	**Secondary practices are to be used in conjunction with primary practices.

Time Table of Project

- **Batching Deadline - December 11, 2021**
- **Ranking Deadline - May 25, 2022**
- **Obligation Deadline - June 3, 2022**

