Workplan / Grant Application / Project Summary Report

# 2010 Douglas County Integrated Water Quality Improvement Project

Submitted by: **Douglas SWCD**

Grant Fund Type: Feedlot CWF Projects

Fund Year: 2010

| *Total Grant Amount:* | ***$19,875.00*** | *Amount Budgeted for this Workplan:* | ***$19,875.00*** | *Amount Spent for this workplan:* | ***$0.00*** | *Amount Not Spent on this workplan:* | ***$19,875.00*** |
|---|---|---|---|---|---|---|---|

## *BMP Detail Summary*

| Number of BMP's Installed | BMP Name | Shape Type | Linear Ft. | Total Acres | Total Mapped BMPs | Soil Loss Reduction Tons/Yr | Sediment Reduction Tons/Yr | Phosphorus Reduction Lbs/Yr |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | | |

Total # installed BMPs: Tons/Yr Tons/Yr Lbs/Yr

Total # mapped BMPs:

Initiative Name: **2010 FWQMG Douglas SWCD Grant Administration**

*Initiative Name:* **2010 FWQMG Douglas SWCD Grant Administration** **Initiative Type:** Admin/Coordination

**Year:** 2010

Description

Grant Administration-Activitives may include developing cost share contracts, dispersing cost share payments to landowners, and other grant reporting.

Actual Results

*FUND(s)*

| | | *Budgeted* | *Approved* | *Spent* | *First Spend Date* | *Last Spend Date* |
|---|---|---|---|---|---|---|
| **1.** 2010 - FWQMG - CWF - Douglas (SWCD) | | 946.00 | 0.00 | 0.00 | | |
| | **Totals:** | **946.00** | **0.00** | **0.00** | | |



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Initiative Name: **2010 FWQMG Douglas SWCD Project Development**

*Initiative Name:* **2010 FWQMG Douglas SWCD Project Development** **Initiative Type:** Project Development

**Year:** 2010

Description

Project Development - Activities may include creating cost estimates for an average site and initial contacts with landowners.

Actual Results

*FUND(s)*

| | Budgeted | Approved | Spent | First Spend Date | Last Spend Date |
|---|---|---|---|---|---|
| **1.** 2010 - FWQMG - CWF - Douglas (SWCD) | 0.00 | 0.00 | 0.00 | | |
| **Totals:** | **0.00** | **0.00** | **0.00** | | |

Initiative Name: **2010 FWQMG Douglas SWCD Technical/Engineering Assistance**

*Initiative Name:* **2010 FWQMG Douglas SWCD Technical/Engineering Assistance** **Initiative Type:** Technical and Engineering

**Year:** 2010

Description

Technical/Engineering Assistance - Activities may include planning and design work for fence, waterlines, wells, and automatic waterers. Additional activites may also include developing a seeding/planting plan to establish a shoreline buffer or reestablish vegetation damaged by livestock.

District Staff Credentials- Jerome Haggenmiller has 20+ years experience as District Coordinator at Douglas SWCD. He has worked with landowners in the county on cattle exclusion projects in the past. His job approval authority includes Fencing, Filter Strips, Critical Area Plantings, Pasture and Hayland Planting, and Trough or Tank watering systems. Emily Siira has 3+ years experience as the Land Use/Water Plan Technician at Douglas SWCD. She has worked with landowners on shoreland protection practices including the use of a variety bioengineering and vegetation establishment methods. The Douglas SWCD is a member of the West Central Technical Service Area (WCTSA) and can utilize the WCTSA engineer on projects over the Douglas SWCD's job approval authority.

Actual Results



Data from eLINK on: 5/13/2010 at 3:03 pm

| FUND(s) | | Budgeted | Approved | Spent | First Spend Date | Last Spend Date |
|---|---|---|---|---|---|---|
| 1. 2010 - FWQMG - CWF - Douglas (SWCD) | | 4,110.00 | 0.00 | 0.00 | | |
| | **Totals:** | **4,110.00** | **0.00** | **0.00** | | |

L&W Project Name: **Anticipated 2010 FWQMG Project**

*BMP(s)*

0.
None

*POLLUTION REDUCTION ESTIMATE(s)*

None

| FUND(s) | | Budgeted | Approved | Spent | First Spend Date | Last Spend Date |
|---|---|---|---|---|---|---|
| 1. 2010 FWQMG Landowner Match | | 4,939.00 | 0.00 | 0.00 | | |
| 2. 2010 - FWQMG - CWF - Douglas (SWCD) | | 14,819.00 | 0.00 | 0.00 | | |
| | **Totals:** | **19,758.00** | **0.00** | **0.00** | | |



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**Program Specific Workplan Items (Widgets!)**

| | |
|---|---|
| *Secondary benefits of this project include:* | |
| *Success for this application will be measured by:* | Success will be measured in the short term qualitatively-landowner(s) willingness to change age-old practices of allowing livestock to graze or wallow in surface waters. Long term success will be measure quantitatively-reduced phosphorus loading, reduced sediment delivery (as measured by TSS), and increase in water clarity (Secchi disk or transparency tube). |
| *If the project addresses a TMDL, what portion of the required load reduction will this address?* | |
| *What is the Total Maximum Daily Load for the pollutant you are addressing?* | |
| *The pollutant causing the impairment is:* | Fecal coliform, sediment, phosphorus |
| *Estimated Reduction Pollutant #3* | 12 tons/yr |
| *Pollutant #3* | Soil |
| *Estimated Reduction Pollutant #2* | 50 lbs/yr |
| *Pollutant #2* | Phosphorus |
| *Estimated Reduction Pollutant #1* | 50 tons/yr |
| *Pollutant #1* | TSS |
| *Local Water Management Plan Reference/Description:* | 2009 Douglas County Comprehensive Local Water Management Plan (p. 36 - Water Quality Concern, Goal 2-Improve or Restore impaired surface waters) |
| *TMDL Implementation Plan Reference/Description:* | |
| *Watershed Name (81 Majors)* | Chippewa, Long Prairie, Pomme de Terre, Sauk |
| *Name of Water Resource targeted for activities:* | Chippewa River, Long Prairie River , Pomme de Terre River, Sauk River |
| *TMDL finalized and implementation plan approved?* | N |



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| | |
|---|---|
| *Type of Feedlot Project:* | Livestock Exclusion, Watering Facility, Streambank & Shoreline Protection |



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