



2011 - Restoration Technical Assistance - Benton (SWCD)

Fund Report

Benton

Fund Information

<u>Fund Name</u>	<u>Fund Year</u>	<u>Budgeted</u>	<u>Spent</u>	<u>Date Last Spent</u>
2011 - Restoration Technical Assistance - Benton (SWCD)	2011	\$84,211.00	\$12,359.50	12/31/2011
Starting Balance:		\$84,211.00		
Balance Remaining:		\$71,851.50		
Other funds used with this fund.				
Benton SWCD FY11 CWF Cash, Equipment and Transportation	2011	\$12,000.00	\$3,561.59	12/31/2011
Morrison SWCD FY11 CWF Cash	2011	\$10,000.00	\$0.00	
	Subtotal:	\$22,000.00	\$3,561.59	
	Total:	\$106,211.00	\$15,921.09	

Initiatives Summary

Amount spent by initiative type.

2011 - Restoration Technical Assistance - Benton (SWCD)

	<u>Budgeted</u>	<u>Spent</u>
Admin/Coordination	\$4,211.00	\$0.00
Project Development	\$20,000.00	\$4,691.00
Technical and Engineering	\$60,000.00	\$7,668.50
Total:	\$84,211.00	\$12,359.50

Land & Water Projects Summary

Amount spent on L&W Projects.

	<u>Budgeted</u>	<u>Spent</u>
Total:	\$0.00	\$0.00

BMP Summary

BMP Name	BMPs entered	BMPs installed*	Linear Ft.	Total Acres	Mapped BMPs
Irrigation Water Management - 449	6	6		349.00	6
Totals:	6	6			6

*Note: BMPs entered in eLINK are considered to be "installed on the ground" if an "actual completion date" has been entered for the project.

Indicator Summary

Value Unit

*Pollution Reduction Estimates not entered for any of these projects.

Initiative: Little Rock Impaired Waters Kickoff - Admin

Year: 2011

Start Date: 03/08/2011

Initiative Type: Admin/Coordination

Completion Date:

Description

The Benton SWCD will be responsible for all administration of the grant. The District Manager (Gerry Maciej) will be responsible for interviewing and hiring qualified staff, and the daily management of that individual. The employee hired will be responsible for semi-annual reports and the final report.

Actual Results

The Clean Water Fund grant was used to advertise, screen, and interview applicants for a temporary Watershed Technician Position. The position was filled and the District Manager is providing management of that individual daily. In a combined effort between the District Manager and the new Watershed Technician the semi-annual reporting has been completed.

FUND(s)

	<u>Budgeted</u>	<u>Spent</u>	<u>Date Last Spent</u>
1. 2011 - Restoration Technical Assistance - Benton (SWCD)	4,211.00	0.00	
Totals:	4,211.00	0.00	

Initiative: Little Rock Impaired Waters Kickoff - Project Development

Year: 2011

Start Date: 03/08/2011

Initiative Type: Project Development

Completion Date:

Description

This Clean Water Fund grant will be used to hire staff to work with watershed residents to install measures that will help restore Little Rock Creek and Little Rock Lake in Benton and Morrison Counties. A position description, including qualifications, is attached. A major effort will include working with farmers who irrigate their crops. The new employee will be soliciting participation from farmers in both counties through mailings, news releases, and one on one meetings. Several other best management practices will be promoted to lake and creek residents with this initiative. Project Development activities include all landowner / staff activities up to the actual design of the best management practice. Existing Morrison and Benton SWCD staff will assist with promotion and development of this project through existing contacts and relationships with watershed landowners. The Benton SWCD will be contributing cash, equipment, space and transportation.

Actual Results

The Watershed Technician and existing SWCD staff have completed mailings and phone calls to irrigation system operators, promoting participation in the irrigation program. News articles have been completed and printed in local newspapers as well. A Native Buffer workshop was organized and implemented, through a partnership with the Little Rock Lake Association, to promote and design lake buffers. The workshop took place on August 4th and had a total of 8 landowners attend. Benton SWCD was invited to speak at the East Central Irrigators and Corn Growers conjoined annual meeting, presenting on the topic of Center Pivot Uniformity Testing. The staff member responsible for the irrigation management programs prepared for and presented a 30 minute presentation including discussion on Center Pivot Uniformity Testing, Little Rock Creek TMDL, Clean Water Land & Legacy Funds and future goals and plans. A booth was also manned at the event providing demonstrations using the groundwater model and the rural watershed enviroscape model, handouts were provided to any interested party. At the December 2011 Benton SWCD District board meeting the supervisor voted to suggest to the MN DNR that all new irrigation well permits be required to complete a Irrigation System Uniformity Test. Benton SWCD quarterly newsletter "Conservation Corner" highlighted both the Irrigation Scheduling Program and the Irrigation Uniformity Testing Program. District Manager Gerry Maciej and Katie Winkelman (Water Plan Technician (Watershed Technician) attended Morrison SWCD District Board meeting on December 22, providing an update to the Little Rock Lake TMDL and continuing efforts for the Irrigation Water Management Programs. A detailed list of irrigators in the Little Rock Creek Recharge Area has been constructed is being used to promote the Irrigation Water Management Programs. Currently, Benton and East Ottertail SWCDs are organizing an Irrigation Clinic for March 7, 2012, in Rice, MN.

FUND(s)

	<u>Budgeted</u>	<u>Spent</u>	<u>Date Last Spent</u>
1. Morrison SWCD FY11 CWF Cash	2,500.00	0.00	
2. 2011 - Restoration Technical Assistance - Benton (SWCD)	20,000.00	4,691.00	12/31/11
3. Benton SWCD FY11 CWF Cash, Equipment and Transportation	4,500.00	124.32	12/31/11
Totals:	27,000.00	4,815.32	

List of Attached Files (click to view)

Document Description

Date Added

1. [Watershed Technician Position Description.pc](#)

1/21/11

Initiative: Little Rock Impaired Waters Kickoff - Technical / Engineering

Year: 2011

Start Date: 03/08/2011

Initiative Type: Technical and Engineering

Completion Date:

Description

The new employee will assist with assessing irrigation systems and irrigation management strategies so that water and nutrients are supplied to crops at an appropriate rate and time. Actual duties will include performing the requirements of NRCS practice standard 449 (irrigation water management).

Examples may include:

- performing system uniformity checks
- weekly estimating soil moisture using the feel and appearance method
- evapotranspiration reporting
- weekly rain gauge measuring
- applying the checkbook method (or equivalent) of irrigation water management
- managing the rate, timing and placement of nutrients, including those nutrients applied through the irrigation system

Several other best management practices may be designed and installed by watershed residents. These BMP's will be determined as the new employee begins working with the watershed residents.

Existing staff from Benton and Morrison SWCD's will assist the new employee with these activities.

Actual Results

Completed weekly soil moisture tests for 349 acres of cropland, providing a weekly graph of soil water deficit, rainfall, and irrigation vs time. This chart is then used to schedule the when to next irrigate and how much to irrigate.

Completed daily evaporation reporting to cooperators and posted this information to the internet and the evaptranspiration hotline.

Completed weekly irrigation water management scheduling (using the North Dakota State University Excel spreadsheet checkbook method).

Completed nutrient management plans for two cooperators.

<u>FUND(s)</u>	<u>Budgeted</u>	<u>Spent</u>	<u>Date Last Spent</u>
1. Morrison SWCD FY11 CWF Cash	7,500.00	0.00	
2. 2011 - Restoration Technical Assistance - Benton (SWCD)	60,000.00	7,668.50	12/31/11
3. Benton SWCD FY11 CWF Cash, Equipment and Transportation	7,500.00	3,437.27	12/31/11
Totals:	75,000.00	11,105.77	

Project: Ed Popp - Irrigation Scheduling

Project Number:
Primary Cooperator: Ed Popp
Primary Practice: Special Projects

Approval Date:
Start Date: 05/20/2011
Completion Date: 09/14/2011

Description

Benton SWCD met with landowner to discussing the Irrigation Scheduling Program, provided a list of required actions from the landowner and provided a rain gauge for each field. Landowner entered two fields into the scheduling program (Alfalfa acres and Corn acres) Completed daily evaporation reporting to cooperator posting information on Benton SWCD's website and emailed data to landowner. Benton SWCD conducted weekly soil moisture test on landowners two fields providing a chart of soil moisture deficit to assist as a second opinion on when and how much to irrigate.

<u>BMP(s)</u>		<u>POLLUTION REDUCTION ESTIMATE(s)</u>
1. Irrigation Water Management-449	Mapped = Yes	None
2. Irrigation Water Management-449	Mapped = Yes	

<u>FUND(s)</u>	<u>Budgeted</u>	<u>Spent</u>	<u>Date Last Spent</u>
1. 2011 - Restoration Technical Assistance - Benton (SWCD)	0.00	0.00	
Totals:	0.00	0.00	

Project: Frank Sowada - Irrigation Scheduling

Project Number:
Primary Cooperator: Frank Sowada
Primary Practice: Special Projects

Approval Date:
Start Date: 05/23/2011
Completion Date: 09/14/2011

Description

Benton SWCD met with landowner to discussing the Irrigation Scheduling Program, provided a list of required actions from the landowner and provided a rain gauge for each field. Landowner entered two fields into the scheduling program (West 40 (acres) Corn and East 40 (acres) Corn) Completed daily evaporation reporting to cooperator posting information on Benton SWCD's website and emailed data to landowner. Benton SWCD conducted weekly soil moisture test on landowners two fields providing a chart of soil moisture deficit to assist as a second opinion on when and how much to irrigate.

<u>BMP(s)</u>		<u>POLLUTION REDUCTION ESTIMATE(s)</u>
1. Irrigation Water Management-449	Mapped = Yes	None
2. Irrigation Water Management-449	Mapped = Yes	

<u>FUND(s)</u>	<u>Budgeted</u>	<u>Spent</u>	<u>Date Last Spent</u>
1. 2011 - Restoration Technical Assistance - Benton (SWCD)	0.00	0.00	
Totals:	0.00	0.00	

Project: Rick Schlichting - Irrigation Scheduling

Project Number:

Approval Date:

Primary Cooperator: Prairie Farms - Rick Schlichting

Start Date: 05/17/2011

Primary Practice: Special Projects

Completion Date: 09/14/2011

Description

Benton SWCD met with landowner to discussing the Irrigation Scheduling Program, provided a list of required actions from the landowner and provided a rain gauge for each field. Landowner entered two fields into the scheduling program (Edible Beans 67 acres and Corn 120 acres). Completed daily evaporation reporting to cooperator posting information on Benton SWCD's website and emailed data to landowner. Benton SWCD conducted weekly soil moisture test on landowners two fields providing a chart of soil moisture deficit to assist as a second opinion on when and how much to irrigate.

BMP(s)

- 1. Irrigation Water Management-449 *Mapped = Yes*
- 2. Irrigation Water Management-449 *Mapped = Yes*

POLLUTION REDUCTION ESTIMATE(s)

None

FUND(s)

	<u>Budgeted</u>	<u>Spent</u>	<u>Date Last Spent</u>
1. 2011 - Restoration Technical Assistance - Benton (SWCD)	0.00	0.00	
Totals:	0.00	0.00	

----- End of 2011 - Restoration Technical Assistance - Benton (SWCD) Section -----

This report can be found in the eLINK Report Manager under Report Type: *Fund Reports, Reports: All Details*