



## 2010 - Shoreland Improvement - Scott County WMO (WMO)

### Fund Report

#### Scott

#### Fund Information

<u>Fund Name</u>	<u>Fund Year</u>	<u>Budgeted</u>	<u>Spent</u>	<u>Date Last Spent</u>
<b>2010 - Shoreland Improvement - Scott County WMO (WMO)</b>	2010	\$371,000.00	\$371,000.00	12/27/2011
Starting Balance:		\$371,000.00		
Balance Remaining:		\$0.00		
<b>Other funds used with this fund.</b>				
Scott Watershed Management Organization	2010	\$159,000.00	\$204,667.14	01/27/2012
Scott WMO Leveraged In-Kind	2010	\$78,659.00	\$78,659.00	03/31/2011
	Subtotal:	\$237,659.00	\$283,326.14	
	<b>Total:</b>	<b>\$608,659.00</b>	<b>\$654,326.14</b>	

#### Initiatives Summary

Amount spent by initiative type.

2010 - Shoreland Improvement - Scott County WMO (WMO)

	<u>Budgeted</u>	<u>Spent</u>
Admin/Coordination	\$15,589.00	\$15,589.00
Technical and Engineering	\$23,611.00	\$23,611.00
Total:	<b>\$39,200.00</b>	<b>\$39,200.00</b>

#### Land & Water Projects Summary

Amount spent on L&W Projects.

	<u>Budgeted</u>	<u>Spent</u>
Total:	<b>\$331,800.00</b>	<b>\$331,800.00</b>

### **BMP Summary**

BMP Name	BMPs entered	BMPs installed*	Linear Ft.	Total Acres	Mapped BMPs
Stream Channel Stabilization - 584	1	1	2,700		1
Streambank and Shoreline Protection - 580	3	3	1,605		3
<b>Totals:</b>	<b>4</b>	<b>4</b>			<b>4</b>

*\*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**

*Total pollution reduction estimates for all projects by category.*

	<u>Value</u>	<u>Unit</u>
<b>-Water Pollution (Reduction Estimates)</b>		
Phosphorus (est. reduction)	2,690.00	Lbs/Yr
Sediment (TSS)	2,690.00	Tons/Yr

**Initiative: 2010 Porter/Picha Stabilization Administration**

Year: 2010  
Initiative Type: Admin/Coordination

Start Date:  
Completion Date:

Description

Management of the bid process, contracting, coordination with design, environmental assessment worksheets, project oversight.

Actual Results

The Environmental Assessment Worksheet was completed May 2010, advertised and circulated for the Picha Creek project. Only a few comments were received, none of which indicated the need for an Environmental Impact Statement. Therefore, the Record of Decision was completed and approved by the County Board July 2010. Submittals have also been made for MDNR Waters and USCOE permits. Landowner access agreements are being created. Design drawings are complete, with specifications nearing completion. Bid documents are being compiled and a bid process that considers qualifications was researched. It is anticipated that bids will be solicited within the next month.(August 24, 2010)

1/27/11 - Administrative time/costs for the Porter Picha stream stabilization projects includes staff time, financial and schedule management of the project, completion of an EAW for the Picha project and management of the environmental review process. In addition, permits were obtained and management of the bidding and selection process was complete in the fall with award of the contract to Rachel Contracting in November 2010. Permitting discussions with the MDNR and USCOE were on-going throughout late summer and fall. All of these items were in place or near completion by the end of the year such that construction was expected to start in early January 2011. As of 1/27/11, construction is underway.

8/1/11 - Project contract was awarded and contract services were provided, including oversight of change order request and consultants. Efforts also included landowner coordination.

12/31/11 - Continuing contract administration of the contractor took place through the end of 2011 to close the contracts with consultants and contractors. Remaining pay requests were processed and paid after resolving quantities.

FUND(s)

	<u>Budgeted</u>	<u>Spent</u>	<u>Date Last Spent</u>
1. Scott Watershed Management Organization	6,681.00	6,721.09	1/24/12
2. 2010 - Shoreland Improvement - Scott County WMO (WMO)	15,589.00	15,589.00	1/31/11
<b>Totals:</b>	<b>22,270.00</b>	<b>22,310.09</b>	

**Initiative: 2010 Porter/Picha Stabilization Technical/Engineering**

Year: 2010

Start Date:

Initiative Type: Technical and Engineering

Completion Date:

12/27/2011

Description

Construction supervision between consultant, Scott WMO and Scott SWCD.

Upper Porter = 3 streambank stabilization sites, methods include grading, planting, and bio-engineering

Picha = ½ mile of natural channel restoration, methods to include raising the creek bed and creating a larger floodplain

Staff assigned to the project:

Upper Porter = Interfluve, Jason Swenson, Emily Javens, Paul Nelson

Picha = Interfluve, Jason Swenson, Emily Javens, Paul Nelson

Include a description of the training and/or credentials of this staff

Interfluve =

- Nick Nelson, fluvial geomorphologist
- Marty Melchior, stream ecologist
- Mike McAllister, professional engineer
- Rich Phaneuf, CADD GIS Specialist

Jason Swenson = professional engineer – natural resources

Emily Javens = professional engineer – conservation

Paul Nelson = Scott WMO Administrator, MS Forest Hydrology (25 years experience in water resources)

Include a general reference to the design or performance standards that will be used:

The proposed designs are being prepared using a variety of design techniques and practices, all used in combination. The practices include USACE Hydraulic design of stream restoration projects, WES Stream Investigation and streambank stabilization, Inter-Fluve Process-based channel design, Field Engineering Handbook – Streambank and shoreline protection, USACE ERDL – Channel restoration design for meandering rivers, and the Rosgen – River restoration and Natural channel design methodologies.

Actual Results

Design drawings are complete, specifications are nearing completion, construction supervision will start when the construction contract is awarded.(August 24, 2010)

1/31/11 - construction started January 17, 2011 on Porter creek. Dollars spent on construction supervision will be reported on the next report.

8/1/11 - Construction observation and engineering services were provided throughout the reporting period. Daily project inspections with additional oversight for detailed components such as log installations and retaining walls was provided. Project pay requests and change order processed. Project construction is substantially complete with final cleanup items remaining, such as a small erosion repair and reseeding several locations with poor uptake or that were missed.

12/31/11 - Construction observation continued through late fall 2011 to complete each project. Projects are deemed complete.

Comments

Expecting an additional \$6,000 to \$10,000 in cash expenses for construction supervision. Invoices were received from engineer and SWCD after the end of this reporting period. Expenses in excess of grant amounts will be born by the Scott WMO.

<u>FUND(s)</u>	<u>Budgeted</u>	<u>Spent</u>	<u>Date Last Spent</u>
1. 2010 - Shoreland Improvement - Scott County WMO (WMO)	23,611.00	23,611.00	8/3/11
2. Scott WMO Leveraged In-Kind	78,659.00	78,659.00	3/31/11
3. Scott Watershed Management Organization	10,119.00	33,477.14	10/19/11
<b>Totals:</b>	<b>112,389.00</b>	<b>135,747.14</b>	

<u>List of Attached Files (click to view)</u>	<u>Document Description</u>	<u>Date Added</u>
1. <a href="#">SWCD staff time_PorterPicha.pdf</a>		1/24/12
2. <a href="#">Payment summary_PorterPicha.pdf</a>		1/24/12

**Project: 2010 Porter Creek Stabilization Construction**

Project Number: Approval Date:  
 Primary Cooperator: Keith A. Glanzer Start Date:  
 Primary Practice: Streambank of Shoreland Protection Completion Date: 12/27/2011

Description

Upper Porter Creek project addresses four significant bank erosion sites in Section 36 of Cedar Lake Twsp. Treatment technologies selected largely consist of bio-engineering approaches using large woody debris cribs, bank sloping and vegetation planting. There will also be some livestock exclusion and a short section with rock protection.

Actual Results

Construction did not start until after 1/27/11.

8/1/11 - Construction completed at the end of January, with site restoration (seeding and mulching, plantings) being substantially completed in June and July. Final cleanup items remain (seeding of several areas that were missed, reseeding locations that didn't take, and small erosion repairs) that will be addressed at the next seeding window in late summer. The landowner for one of the four stabilization sites withdrew from the effort. Thus, three of the four sites originally intended were completed. The one not completed involved a short section of rip-rap and some livestock exclusion.

12/31/11 - Vegetation management and replanting efforts were the major focus in fall 2011. The project is considered complete. WMO will manage ongoing vegetation management efforts after the closure of this grant. The contract included 3 years of maintenance, with the County holding a construction bond to ensure performance.

<u>BMP(s)</u>	<u>Mapped</u>	<u>POLLUTION REDUCTION ESTIMATE(s)</u>
1. Streambank and Shoreline Protection-580	Mapped = Yes	-Water Pollution (Reduction Estimates)
2. Streambank and Shoreline Protection-580	Mapped = Yes	Phosphorus (est. reduction) 1,790.00 Lbs/Yr
3. Streambank and Shoreline Protection-580	Mapped = Yes	Sediment (TSS) 1,790.00 Tons/Yr

<u>FUND(s)</u>	<u>Budgeted</u>	<u>Spent</u>	<u>Date Last Spent</u>
1. Scott Watershed Management Organization	16,978.50	13,774.41	12/27/11
2. 2010 - Shoreland Improvement - Scott County WMO (WMO)	39,616.50	39,616.50	12/27/11
<b>Totals:</b>	<b>56,595.00</b>	<b>53,390.91</b>	

**Project: 2010 Picha Creek Stabilization Construction**

Project Number:

Approval Date:

Primary Cooperator: Jay D. Picha

Start Date:

Primary Practice: Streambank of Shoreland Protection

Completion Date: 12/27/2011

Description

Picha Creek stabilization involves elevating the incised channel bed in some locations, excavating a floodplain bench, stabilizing the banks with biodegradable materials and native plantings, and the installation of buried grade control and exposed cobble and gravel riffle features. The project will also include habitat improvement, and will correct a fish migration barrier.

Actual Results

Construction not started as of December 31, 2010. Construction expected to start in the next couple of months.

8/1/11 - Major excavation and earthwork was initiated in February and construction proceeded through the month of March. Due to extremely wet conditions, site re-vegetation and planting began in late May and June. Project is substantially complete with final cleanup items to complete (seeding of several areas that were missed, reseeding locations that didn't take, and planting of several trees) when the next seeding window opened in late summer.

12/31/11 - There were contract changes that added some cost. These additional costs were covered by the Scott WMO. Vegetation management and replanting efforts were the major focus. Project is considered complete. WMO will manage ongoing vegetation management efforts after the closure of this grant. The contract included 3 years of maintenance, with the County holding a construction bond to ensure performance.

BMP(s)

1. Stream Channel Stabilization-584 *Mapped = Yes*

POLLUTION REDUCTION ESTIMATE(s)

-Water Pollution (Reduction Estimates)  
Phosphorus (est. reduction) 900.00 Lbs/Yr  
Sediment (TSS) 900.00 Tons/Yr

FUND(s)

	<u>Budgeted</u>	<u>Spent</u>	<u>Date Last Spent</u>
1. 2010 - Shoreland Improvement - Scott County WMO (WMO)	292,183.50	292,183.50	8/16/11
2. Scott Watershed Management Organization	125,221.50	150,694.50	12/27/11
<b>Totals:</b>	<b>417,405.00</b>	<b>442,878.00</b>	

List of Attached Files (click to view)

Document Description

Date Added

1. [Rachel invoices\\_PorterPicha.pdf](#)

1/24/12

End of 2010 - Shoreland Improvement - Scott County WMO (WMO) Section

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