



## Grant All-Detail Report Accelerated Implementation Grant 2014

**Grant Title** - Upper Cannon River Watershed BMP Targeting and Watershed Database Development

**Grant ID** - C14-8279

**Organization** - Rice County

<b>Original Awarded Amount</b>	<b>\$124,976.00</b>	<b>Grant Execution Date</b>	
<b>Required Match Amount</b>	\$31,244.00	<b>Original Grant End Date</b>	12/31/2016
<b>Required Match %</b>	25%	<b>Grant Day To Day Contact</b>	Brad Behrens
<b>Current Awarded Amount</b>	\$124,976.00	<b>Current End Date</b>	12/31/2016

### Budget Summary

	Budgeted	Spent	Balance Remaining*
Total Grant Amount	\$124,976.00	\$118,138.48	\$6,837.52
Total Match Amount	\$31,250.00	\$42,711.47	\$-11,461.47
Total Other Funds	\$0.00	\$0.00	\$0.00
<b>Total</b>	<b>\$156,226.00</b>	<b>\$160,849.95</b>	<b>\$-4,623.95</b>

\*Grant balance remaining is the difference between the Awarded Amount and the Spent Amount. Other values compare budgeted and spent amounts.

### Budget Details

Activity Name	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction Date	Matching Fund
Administration, Coordination and Grant Reporting	Administration /Coordination	Current State Grant	Upper Cannon River Watershed BMP Targeting and Watershed Dat..	\$5,700.00	\$5,648.43	12/31/2016	N
Creation of PTMApp	Inventory/Mapping	Current State Grant	Upper Cannon River Watershed BMP Targeting and Watershed Dat..	\$10,080.00	\$6,060.25	11/30/2016	N

Activity Name	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction Date	Matching Fund
Creation/Implementation of Drainage Management Software- Rice, Steele, Waseca, and Le Sueur County	Planning and Assessment	Current State Grant	Upper Cannon River Watershed BMP Targeting and Watershed Dat..	\$60,000.00	\$60,000.00	7/7/2014	N
Data Creation and Conversion of Ditch Information/Implement Drainage Management Software- In Kind	Planning and Assessment	Local Fund	County Drainage Management In-Kind	\$20,100.00	\$31,545.93	12/31/2015	Y
GIS Terrain Analysis/LeSueur SWCD Staff Time	Agricultural Practices	Local Fund	LeSueur In-Kind	\$4,082.74	\$4,082.74	12/31/2016	Y
Hydrologically Reconditioned Digital Elevation Model (DEM) and derived hydrographic characteristics	Planning and Assessment	Current State Grant	Upper Cannon River Watershed BMP Targeting and Watershed Dat..	\$22,852.25	\$22,852.25	3/26/2015	N
Instructional Workshops	Education/Information	Current State Grant	Upper Cannon River Watershed BMP Targeting and Watershed Dat..	\$2,492.75	\$2,443.18	5/11/2015	N
Instructional Workshops- In Kind	Education/Information	Local Fund	In-Kind	\$5,150.00	\$5,165.54	3/29/2016	Y
Local QA-QC Field Verification In-Kind	Project Development	Local Fund	In-Kind	\$681.80	\$681.80	12/31/2015	Y
Local QA/QC Field Verification	Project Development	Current State Grant	Upper Cannon River Watershed BMP Targeting and Watershed Dat..	\$3,430.00	\$713.37	8/20/2015	N
PTMApp In Kind	Education/Information	Local Fund	In-Kind	\$0.00			Y
Stream Power Index and RUSLE Spatial Analysis	Project Development	Current State Grant	Upper Cannon River Watershed BMP Targeting and Watershed Dat..	\$20,421.00	\$20,421.00	3/26/2015	N
Web Based Viewer In-Kind	Inventory/Mapping	Local Fund	In-Kind	\$1,235.46	\$1,235.46	10/31/2015	Y

## Activity Details Summary

Activity Details	Total Action Count	Total Activity Mapped	Proposed Size / Unit	Actual Size / Unit
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## Proposed Activity Indicators

Activity Name	Indicator Name	Value & Units	Waterbody	Calculation Tool	Comments
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## Final Indicators Summary

Indicator Name	Total Value	Unit
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## Grant Activity

### Grant Activity - Administration, Coordination and Grant Reporting

<b>Description</b>	This activity involves the management of grant funds and coordination of project activities.				
<b>Category</b>	ADMINISTRATION/COORDINATION				
<b>Start Date</b>	23-Apr-14	<b>End Date</b>	31-Dec-16		
<b>Has Rates and Hours?</b>	Yes				
<b>Actual Results</b>	Hours were spent entering into a contract with HEI to complete work related to the Upper Cannon DEM Products. An additional contract was also entered in to Rice, Steele, Waseca, and Le Sueur to establish and coordinate the drainage management software. Staff also worked on management of the grant and time-tracking efforts.				

### Grant Activity - Creation of PTMApp

<b>Description</b>	Creation of PTMApp				
<b>Category</b>	INVENTORY/MAPPING				
<b>Start Date</b>	23-Apr-14	<b>End Date</b>	31-Dec-16		
<b>Has Rates and Hours?</b>	No				
<b>Actual Results</b>	During the fall of 2015, HEI completed the PTMApp product. This information was described during the March 2016 training. All LGUs were provided this information.				

Grant Activity - Creation/Implementation of Drainage Management Software- Rice, Steele, Waseca, and Le Sueur County			
Description	Purchase and Implement Drainage Database Software (DrainageDB) to conduct inspections for Rice, Steele, Waseca, and Le Sueur Counties. The software will be used to document and target areas of concern to implement future water quality improvement projects.		
Category	PLANNING AND ASSESSMENT		
Start Date	23-Apr-14	End Date	31-Jan-16
Has Rates and Hours?	No		
Actual Results	<p>As of 12/31/2014- - Rice, Waseca, Le Sueur and Steele Counties have all been setup with the software and trained on how to load data. Each county is at various stages compiling and loading ditch information into the software. HEI has been assisting with questions as needed. There is a user group meeting planned for the end of February 2015 to provide training and discuss enhancements to the software. The Counties will continue to work on getting the software populated so it can be used for inspections this next spring and summer.</p> <p>12/31/2015- Final Product completed and local staff are currently utilizing.</p> <p>2016 Efforts remain the same as staff are utilizing software products and integrating in their day to day routine.</p>		

Grant Activity - Data Creation and Conversion of Ditch Information/Implement Drainage Management Software- In Kind			
Description	Data Creation and Conversion of Ditch Information/Implement Drainage Management Software- In Kind. This activity includes data population/conversion		
Category	PLANNING AND ASSESSMENT		
Start Date	23-Apr-14	End Date	31-Dec-15
Has Rates and Hours?	No		
Actual Results	<p>In-kind hours related to staff inputting data product into new HEI software.</p> <p>As of 12/31/16, staff in each county have loaded data into the software system and continue to utilize.</p>		

Grant Activity - GIS Terrain Analysis/LeSueur SWCD Staff Time			
Description	GIS Terrain Analysis/LeSueur SWCD Staff Time		
Category	AGRICULTURAL PRACTICES		
Start Date	24-Apr-14	End Date	31-Dec-16
Has Rates and Hours?	No		
Actual Results	Hours were provided as in-kind from Le Sueur County for efforts related to DEM utilization, including targeting landowners for conservation products.		

Grant Activity - Hydrologically Reconditioned Digital Elevation Model (DEM) and derived hydrographic characteristics			
Description	The purpose of this activity is to attain a product that assists in future BMP planning/prioritizing- projects and enhances resource management capabilities.		
Category	PLANNING AND ASSESSMENT		
Start Date	23-Apr-14	End Date	26-Mar-15
Has Rates and Hours?	No		
Actual Results	As of 12/31/14- HEI has completed a draft of the Hydrologic Conditioned DEM, Non-Contributing analysis, RUSLE and Stream Power Index. They are currently conducting an internal review on the products. They anticipate the next steps will be to send the condition DEM to each of the counties asking for a few flow direction clarifications and ask if anyone would like to review it before the product is finalized. Once the products are finalized the next step will be to conduct a training workshop to go over how each County can use the products to identify sediment erosion hotspots and start marketing conservation practices to the land owners.		

Grant Activity - Instructional Workshops			
Description	The results of the analysis and instructions on how to utilize the output will be presented to LGU staff.		
Category	EDUCATION/INFORMATION		
Start Date	23-Apr-14	End Date	31-Dec-15
Has Rates and Hours?	No		
Actual Results	HEI provided an educational workshop and Webinar for LGUs in Feb. and March 2015.		

Grant Activity - Instructional Workshops- In Kind			
Description	Instructional Workshops- In Kind		
Category	EDUCATION/INFORMATION		
Start Date	23-Apr-15	End Date	31-Dec-15
Has Rates and Hours?	No		
Actual Results	Work associated with educational workshops provided by HEI.		

Grant Activity - Local QA-QC Field Verification In-Kind			
Description	Local QA-QC Field Verification In-Kind		
Category	PROJECT DEVELOPMENT		
Start Date	23-Apr-14	End Date	31-Dec-15
Has Rates and Hours?	No		
Actual Results	In-kind hours associated with staff verifying in-field conditions of terrain analysis.		

Grant Activity - Local QA/QC Field Verification			
Description	Funds will be utilized to assist Local QA/QC to complete the following: 1. Verification of Flow, 2. Validation of GIS results in the field, documenting erosion.		
Category	PROJECT DEVELOPMENT		
Start Date	23-Apr-14	End Date	31-Dec-16
Has Rates and Hours?	No		
Actual Results	Hours associated with staff verifying in-field conditions of terrain analysis.		

Grant Activity - PTMApp In Kind		
Description	This activity involves in-kind for utilization of the PTMApp product provided by Houston Engineering.	
Category	EDUCATION/INFORMATION	
Start Date		End Date
Has Rates and Hours?	No	
Actual Results		

Grant Activity - Stream Power Index and RUSLE Spatial Analysis		
Description	This will be used to analyze the existing watershed conditions. SPI and RUSLE will be used to assess the propensity for surface water erosion to occur.	
Category	PROJECT DEVELOPMENT	
Start Date	23-Apr-14	End Date 26-Mar-15
Has Rates and Hours?	No	
Actual Results	A copy of the invoice is attached- this activity involved watershed conditioning completed by HEI- necessary for the completion of the DEM conditioning.	

Grant Activity - Web Based Viewer In-Kind		
Description	Web Based Viewer In-Kind	
Category	INVENTORY/MAPPING	
Start Date	23-Apr-14	End Date 31-Dec-15
Has Rates and Hours?	No	
Actual Results	In-Kind Hours Associated with staff time for the creation/establishment and utilization of a web based viewer product.	

### Grant Attachments

Document Name	Document Type	Description
010115_063015_SteeleMatch	Grant	Upper Cannon River Watershed BMP Targeting and Watershed Database Development

Document Name	Document Type	Description
<b>070114_123114_Waseca County Match</b>	Grant	Upper Cannon River Watershed BMP Targeting and Watershed Database Development
<b>2014 Competitive Grant</b>	Grant Agreement	2014 Competitive Grant - Rice County
<b>2014 Competitive Grant executed</b>	Grant Agreement	2014 Competitive Grant - Rice County
<b>2016 Upper Cannon FFR</b>	Grant	Upper Cannon River Watershed BMP Targeting and Watershed Database Development
<b>2017 Upper Cannon FFR</b>	Grant	Upper Cannon River Watershed BMP Targeting and Watershed Database Development
<b>40% Payment Request</b>	Grant	Upper Cannon River Watershed BMP Targeting and Watershed Database Development
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 10/24/2014
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 10/31/2014
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 05/27/2016
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 04/08/2016
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 01/27/2016
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 01/21/2015
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 02/01/2017
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 10/16/2014
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 02/15/2017
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 04/02/2018
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 04/05/2018
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 01/15/2015
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 04/12/2018
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 04/05/2018
<b>Application</b>	Workflow Generated	Workflow Generated - Application - 10/04/2013
<b>Drainage DB</b>	Grant	Upper Cannon River Watershed BMP Targeting and Watershed Database Development
<b>HEI Invoice #0032490</b>	Grant	Upper Cannon River Watershed BMP Targeting and Watershed Database Development
<b>Hourly Rate_Memo</b>	Grant	Upper Cannon River Watershed BMP Targeting and Watershed Database Development



Document Name	Document Type	Description
<b>Houston Eng Invoice No 0024747</b>	Grant	Upper Cannon River Watershed BMP Targeting and Watershed Database Development
<b>Houston Eng Invoice No: 0024052</b>	Grant	Upper Cannon River Watershed BMP Targeting and Watershed Database Development
<b>Houston Engineering Invoice: 0021889</b>	Grant	Upper Cannon River Watershed BMP Targeting and Watershed Database Development
<b>In-Kind_Le Sueur SWCD Contribution</b>	Grant	Upper Cannon River Watershed BMP Targeting and Watershed Database Development
<b>Interim FR</b>	Grant	Upper Cannon River Watershed BMP Targeting and Watershed Database Development
<b>Invoice #0022526</b>	Grant	Upper Cannon River Watershed BMP Targeting and Watershed Database Development
<b>Invoice No: 0023082</b>	Grant	Upper Cannon River Watershed BMP Targeting and Watershed Database Development
<b>Le Sueur County Match 070114_123114</b>	Grant	Upper Cannon River Watershed BMP Targeting and Watershed Database Development
<b>Memo-Gile-fund category</b>	Grant	Upper Cannon River Watershed BMP Targeting and Watershed Database Development
<b>MichelleTragerMatch010115_063015</b>	Grant	Upper Cannon River Watershed BMP Targeting and Watershed Database Development
<b>Payment Approval Request</b>	Grant	Upper Cannon River Watershed BMP Targeting and Watershed Database Development
<b>Rice County Match 010115_063015</b>	Grant	Upper Cannon River Watershed BMP Targeting and Watershed Database Development
<b>Rice County Match 070114_123114</b>	Grant	Upper Cannon River Watershed BMP Targeting and Watershed Database Development
<b>SR_loc_10013.jpg</b>	Grant	Upper Cannon River Watershed BMP Targeting and Watershed Database Development
<b>SWCD_Verizon Invoice</b>	Grant	Upper Cannon River Watershed BMP Targeting and Watershed Database Development

Document Name	Document Type	Description
<b>Software Maintenance _ In Kind - Rice, Waseca &amp; LeSueur</b>	Grant	Upper Cannon River Watershed BMP Targeting and Watershed Database Development
<b>Staff Time Tracking Upper Cannon Admin 2016</b>	Grant	Upper Cannon River Watershed BMP Targeting and Watershed Database Development
<b>Staff Tracking Jul 1_Dec 31 2014</b>	Grant	Upper Cannon River Watershed BMP Targeting and Watershed Database Development
<b>Steele County Match 070114_123114</b>	Grant	Upper Cannon River Watershed BMP Targeting and Watershed Database Development
<b>Tracking Form Upper Cannon Admin 2015</b>	Grant	Upper Cannon River Watershed BMP Targeting and Watershed Database Development
<b>Tracking forms -Upper Cannon In Kind June - Dec 2015</b>	Grant	Upper Cannon River Watershed BMP Targeting and Watershed Database Development
<b>Updated Tracking Form</b>	Grant	Upper Cannon River Watershed BMP Targeting and Watershed Database Development
<b>Upper Cannon River Watershed</b>	Grant	Upper Cannon River Watershed BMP Targeting and Watershed Database Development
<b>Upper Cannon Workshop In-Kind</b>	Grant	Upper Cannon River Watershed BMP Targeting and Watershed Database Development
<b>Waseca County Match 010115_063015</b>	Grant	Upper Cannon River Watershed BMP Targeting and Watershed Database Development
<b>Waseca In Kind 7/1/15 - 12/31/15</b>	Grant	Upper Cannon River Watershed BMP Targeting and Watershed Database Development
<b>Work Plan</b>	Workflow Generated	Workflow Generated - Work Plan - 01/23/2014
<b>Work Plan</b>	Workflow Generated	Workflow Generated - Work Plan - 02/01/2017
<b>Work Plan</b>	Workflow Generated	Workflow Generated - Work Plan - 01/26/2017
<b>Work Plan</b>	Workflow Generated	Workflow Generated - Work Plan - 05/26/2016
<b>Work Plan</b>	Workflow Generated	Workflow Generated - Work Plan - 05/09/2016
<b>Work Plan</b>	Workflow Generated	Workflow Generated - Work Plan - 03/31/2015
<b>Work Plan</b>	Workflow Generated	Workflow Generated - Work Plan - 05/27/2016
<b>Workshop In Kind 2015</b>	Grant	Upper Cannon River Watershed BMP Targeting and Watershed Database Development

Document Name	Document Type	Description
<b>grantmap_10013_2013-10-04_03-18-32-PM.jpg</b>	Grant	Upper Cannon River Watershed BMP Targeting and Watershed Database Development