



# Grant All-Detail Report

## Soil Erosion and Drainage Law Compliance (SEDLCP) 2015

**Grant Title** - Drainage 14 Sediment Management for West Branch Rum River

**Grant ID** - C15-1324

**Organization** - Mille Lacs SWCD

<b>Original Awarded Amount</b>	<b>\$7,500.00</b>	<b>Grant Execution Date</b>	<b>4/7/2015</b>
<b>Required Match Amount</b>	\$1,875.00	<b>Original Grant End Date</b>	12/31/2018
<b>Required Match %</b>	25%	<b>Grant Day To Day Contact</b>	Susan Shaw
<b>Current Awarded Amount</b>	\$7,500.00	<b>Current End Date</b>	12/31/2018

### Budget Summary

	Budgeted	Spent	Balance Remaining*
Total Grant Amount	\$7,500.00	\$7,500.00	\$0.00
Total Match Amount	\$1,875.00	\$1,924.72	\$-49.72
Total Other Funds	\$0.00	\$0.00	\$0.00
<b>Total</b>	<b>\$9,375.00</b>	<b>\$9,424.72</b>	<b>\$-49.72</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	Administration /Coordination	Current State Grant	Drainage 14 Sediment Management for West Branch Rum River	\$500.00	\$500.00	12/17/2018	N
Inventory & Inspection - identify & prioritize storage & treatment options	Inventory/Mapping	Current State Grant	Drainage 14 Sediment Management for West Branch Rum River	\$2,000.00	\$2,044.11	12/31/2016	N

Activity Name	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction Date	Matching Fund
Inventory & Inspection - side inlet control and buffer strips	Inventory/Mapping	Current State Grant	Drainage 14 Sediment Management for West Branch Rum River	\$2,000.00	\$769.93	12/31/2016	N
Project Development	Project Development	Current State Grant	Drainage 14 Sediment Management for West Branch Rum River	\$3,000.00	\$4,185.96	12/17/2018	N
Public Works Drainage assistance	Administration/Coordination	Local Fund	Public works match	\$1,875.00	\$1,924.72	12/29/2017	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			
Description	Administration of grant activities and required agreements.		
Category	ADMINISTRATION/COORDINATION		
Start Date	7-Apr-15	End Date	19-Dec-18
Has Rates and Hours?	Yes		
Actual Results	Administrator and Administrative Assistant tracked the grant within BWSR guidance.		

**Grant Activity - Inventory & Inspection - identify & prioritize storage & treatment options**

<b>Description</b>	Address the entire ditch 14 system to allow a comprehensive inventory of potential storage in upstream areas. Inventory peak water flow storage and treatment opportunities while gaining an understanding of where the system it is being overwhelmed. The outcomes will be a list of technical issues, legal/permitting issues and finally targeted projects to consider.		
<b>Category</b>	INVENTORY/MAPPING		
<b>Start Date</b>	7-Apr-15	<b>End Date</b>	19-Dec-18
<b>Has Rates and Hours?</b>	Yes		
<b>Actual Results</b>	<p>Administrator Shaw met with Land Services Director/Water Plan Chair Michele McPherson and Environmental Resources Technician Dillon Hayes to discuss complex and interrelated issues surrounding County Public Ditches, the Buffer Law and Water Management Goals such as conservation re-design.</p> <p>Shaw also met with TSA 3 engineering staff to review data needed for a CD#14 peak water flow retention feasibility assessment.</p> <p>Ms. Shaw is exploring the feasibility of wetland restoration, impoundment and/or ditch abandonment options with two benefited landowners on CD14 who have approached the SWCD for assistance. Slow progress is being made as the landowner goals and potential resource benefits are difficult to reconcile with State Ditch Law.</p> <p>Dillon Hayes, Mille Lacs County mapped and did an analysis of potential storage locations; reviewed drainage infrastructure in potential storage areas.</p>		

**Grant Activity - Inventory & Inspection - side inlet control and buffer strips**

<b>Description</b>	Addressing approximately one mile of open ditch from the pour point to the West Branch Rum River north to where the ditch becomes an enclosed pipe system: Inventory side inlets and any existing controls and buffer strips to provide an understanding of where the system it is stable and unstable. The outcomes will be a list of technical issues, legal/permitting issues and finally targeted projects to consider.		
<b>Category</b>	INVENTORY/MAPPING		
<b>Start Date</b>	7-Apr-15	<b>End Date</b>	19-Dec-18
<b>Has Rates and Hours?</b>	Yes		
<b>Actual Results</b>	Dillon Hayes, Mille Lacs County reviewed buffer requirements and installations locations; review of drainage authority responsibility.		

## Grant Activity - Project Development

<b>Description</b>	The inventory of side inlet controls, buffer strips and storage and treatment needs will be done in conjunction with citizen outreach/engagement to achieve a holistic understanding of the ditch 14 drainage issues. We will gain an understanding of the social issues and facilitate public support for projects to improve water quality while maintaining drainage.		
<b>Category</b>	PROJECT DEVELOPMENT		
<b>Start Date</b>	7-Apr-15	<b>End Date</b>	19-Dec-18
<b>Has Rates and Hours?</b>	Yes		
<b>Actual Results</b>	<p>Dillon Hayes, Mille Lacs County exploration of options in response to landowner concerns for abandonment of existing drainage infrastructure, discussion with landowners regarding sources of sediment and options for resolutions. Susan Shaw, Mille Lacs SWCD, met with various landowners benefited by the ditch system in 2017 and 2018. The issues surrounding maintenance or abandonment are complex. It took multiple conversations with some of the same landowners to get to a place of comfort about the pros and cons for either activity. Additionally is the complexity caused by variances in understanding of the issues from one landowner to another. Ms. Shaw worked with Mr. Hayes to have a summary of the decision points and is making individual appointment with landowners to confirm a general understanding of the decision points. What has been demonstrated not to work well is hashing out the complex issues in a large public meeting. Individual conversations will hopefully solidify base understanding and facilitate a better group decision making meeting in the future. This work will be ongoing beyond the grant project. The groundwork has been laid with this project for a potential partial abandonment/peak water retention/wetland restoration of trunk lines in the ditch system.</p>		

## Grant Activity - Public Works Drainage assistance

<b>Description</b>	Public Works has a lead role in coordinating ditch authority decisions as well as design and maintenance work.		
<b>Category</b>	ADMINISTRATION/COORDINATION		
<b>Start Date</b>	16-Jun-15	<b>End Date</b>	10-Oct-18
<b>Has Rates and Hours?</b>	Yes		
<b>Actual Results</b>	<p>Dillon Hayes, Mille Lacs County, provided outreach to landowners, coordinated landowner public discussions, research original ditch design, prepared options for landowners consideration (repair, maintain, or abandon), investigated sediment getting into system through side-inlets and open swails.</p>		

## Grant Attachments

Document Name	Document Type	Description
<b>2015 Competitive Grant</b>	Grant Agreement	2015 Competitive Grant - Mille Lacs SWCD

Document Name	Document Type	Description
<b>2015 Competitive Grant executed</b>	Grant Agreement	2015 Competitive Grant - Mille Lacs SWCD
<b>2016 CWF15 Expenditures</b>	Grant	Drainage 14 Sediment Management for West Branch Rum River
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 01/27/2017
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 12/19/2018
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 12/19/2018
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 02/13/2018
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 01/18/2018
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 03/08/2017
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 12/19/2018
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 02/04/2016
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 01/30/2016
<b>Application</b>	Workflow Generated	Workflow Generated - Application - 09/25/2014
<b>Final Financial Report</b>	Grant	Drainage 14 Sediment Management for West Branch Rum River
<b>ML County Match Documentation</b>	Grant	Drainage 14 Sediment Management for West Branch Rum River
<b>MLCounty Hours</b>	Grant	Drainage 14 Sediment Management for West Branch Rum River
<b>Map of Ditch 14</b>	Grant	Drainage 14 Sediment Management for West Branch Rum River
<b>Work Plan</b>	Workflow Generated	Workflow Generated - Work Plan - 03/20/2015
<b>Work Plan</b>	Workflow Generated	Workflow Generated - Work Plan - 01/29/2015
<b>final report</b>	Grant	Drainage 14 Sediment Management for West Branch Rum River
<b>grantmap_12690_2014-09-24_05-49-46-PM.jpg</b>	Grant	Drainage 14 Sediment Management for West Branch Rum River