



## Grant All-Detail Report Community Partners 2015

**Grant Title** - 2015 - Chisago County Community Partners Grant

**Grant ID** - C15-7859

**Organization** - Chisago SWCD

<b>Grant Awarded Amount</b>	<b>\$30,000.00</b>	<b>Grant Execution Date</b>	<b>4/7/2015</b>
<b>Required Match Amount</b>	<b>\$7,500.00</b>	<b>Grant End Date</b>	<b>12/31/2018</b>
<b>Required Match %</b>	<b>25%</b>	<b>Grant Day To Day Contact</b>	<b>Craig Mell</b>

### Budget Summary

	Budgeted	Spent	Balance Remaining*
Total Grant Amount	\$30,000.00	\$30,000.00	\$0.00
Total Match Amount	\$7,500.00	\$19,830.88	\$-12,330.88
Total Other Funds	\$0.00	\$0.00	\$0.00
<b>Total</b>	<b>\$37,500.00</b>	<b>\$49,830.88</b>	<b>\$-12,330.88</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	Chisago County Community Partners Grant	\$1,500.00	\$1,500.00	4/6/2017	N
Construction	Urban Stormwater Management Practices	Current State Grant	Chisago County Community Partners Grant	\$20,000.00	\$20,000.00	9/7/2017	N

Activity Name	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction Date	Matching Fund
Construction	Urban Stormwater Management Practices	Local Fund	Lake Association or Landowner Match	\$7,500.00	\$19,830.88	9/7/2017	Y
Project Development	Project Development	Current State Grant	Chisago County Community Partners Grant	\$1,500.00	\$1,500.00	6/2/2016	N
Technical/Engineering	Technical/Engineering Assistance	Current State Grant	Chisago County Community Partners Grant	\$7,000.00	\$7,000.00	10/4/2016	N

### Activity Details Summary

Activity Details	Total Action Count	Total Activity Mapped	Proposed Size / Unit	Actual Size / Unit
712M - Bioretention Basin	3	3	0.01 AC	0.01 AC
155M - Storm Water Retention Basins	1	1	100 LINEAR FEET	100 LINEAR FEET
155M - Storm Water Retention Basins	1	1	120 LINEAR FEET	120 LINEAR FEET
155M - Storm Water Retention Basins	1	1	1 COUNT	1 COUNT
155M - Storm Water Retention Basins	1	1	0.03 AC	0.03 AC

### Proposed Activity Indicators

Activity Name	Indicator Name	Value & Units	Waterbody	Calculation Tool	Comments
<b>Construction</b>	PHOSPHORUS (EST. REDUCTION)	2.5 LBS/YR	St. Croix River	P8 Urban Catchment Model	
<b>Construction</b>	SEDIMENT (TSS)	2.5 TONS/YR	St. Croix River	P8 Urban Catchment Model	

### Final Indicators Summary

Indicator Name	Total Value	Unit
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<b>SEDIMENT (TSS)</b>	6.69	TONS/YR
<b>VOLUME REDUCED (ACRE-FEET/YEAR)</b>	0.13	ACRE-FEET/YR
<b>PHOSPHORUS (EST. REDUCTION)</b>	7.68	LBS/YR
<b>SOIL (EST. SAVINGS)</b>	4.25	TONS/YR

## Grant Activity

### Grant Activity - Administration

<b>Description</b>	Elink reporting, grant and sub grant execution, and similar administrative activities.		
<b>Category</b>	ADMINISTRATION/COORDINATION		
<b>Start Date</b>	13-Apr-15	<b>End Date</b>	10-Oct-17
<b>Has Rates and Hours?</b>	Yes		
<b>Actual Results</b>	<p>As of November 18, 2016 All reporting has been updated for eLINK. Payment reimbursements have been made for Doug Poppens, Amy Miller, and Jane Goodson.</p> <p>As of January 9, 2017 Elink reporting has been updated to meet annual reporting deadline of Feb. 1.</p> <p>As of October 10, 2017 All eLINK reporting is up to date and this grant is being closed out.</p>		



Grant Activity - Construction	
Description	These funds will be used to implement project that are not eligible for other programs. Our goal is to implement 3 shoreline buffers, 3 rain-leader disconnect rain gardens, and one curb cut rain garden. Together, these practices will improve water quality by reducing phosphorus by approximately 2.5 pounds per year and sediment by 2.5 tons per year.
Category	URBAN STORMWATER MANAGEMENT PRACTICES
Start Date	6-Jul-15 <b>End Date</b>
Has Rates and Hours?	No
Actual Results	<p>As of November 18, 2016</p> <p>One project in the Goose Lake area and two projects in the Rush Lake area have been completed. Doug Poppens installed a series of small rain gardens to slow water at the end of a drainage pipe, Amy Miller and Jane Goodson both installed shoreline restorations. A vegetated swale has been designed for Jessica Wolkerstorfer in the Goose Lake area.</p> <p>As of January 9, 2017</p> <p>Goodson, Miller, and Poppins projects completed. Wolkerstorfer's project has a design and is ready for spring construction. Cartwrights' project has a preliminary design.</p> <p>As of October 10, 2017</p> <p>All projects are complete and have been approved.</p>

Activity Action - CP 15-1 Doug Poppins			
Practice	712M - Bioretention Basin	Count of Activities	3
Description	A series of three basins was installed, connected by pipes, to slow water down and allow sediment to settle before reaching the lake. The basins were planted with native species.		
Proposed Size / Units	0.01 AC	Lifespan	10 Years
Actual Size/Units	0.01 AC	Installed Date	3-May-16
Mapped Activities	3 Point(s)		

Final Indicator for CP 15-1 Doug Poppins			
Indicator Name	VOLUME REDUCED (ACRE-FEET/YEAR)	Value	0.13
Indicator Subcategory/Units	STORMWATER MANAGEMENT ACRE-FEET/YR	Calculation Tool	MIDS
Waterbody	Rabour Lake		
Final Indicator for CP 15-1 Doug Poppins			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	0.35

<b>Indicator Subcategory/Units</b>	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	<b>Calculation Tool</b>	MIDS
<b>Waterbody</b>	Rabour Lake		
Final Indicator for CP 15-1 Doug Poppins			
<b>Indicator Name</b>	SEDIMENT (TSS)	<b>Value</b>	0.05
<b>Indicator Subcategory/Units</b>	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	<b>Calculation Tool</b>	MIDS
<b>Waterbody</b>	Rabour Lake		

<b>Activity Action - CP 15-2 Amy Miller</b>			
<b>Practice</b>	155M - Storm Water Retention Basins	<b>Count of Activities</b>	1
<b>Description</b>	The shoreline along Rush Lake was eroding. The lawn was mowed right up to the water. A shoreline stabilization was installed that included some rock protection along with a native plant installation.		
<b>Proposed Size / Units</b>	100.00 LINEAR FEET	<b>Lifespan</b>	10 Years
<b>Actual Size/Units</b>	100.00 LINEAR FEET	<b>Installed Date</b>	8-Aug-16
<b>Mapped Activities</b>	1 Point(s)		

Final Indicator for CP 15-2 Amy Miller			
<b>Indicator Name</b>	SEDIMENT (TSS)	<b>Value</b>	1.7
<b>Indicator Subcategory/Units</b>	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	<b>Calculation Tool</b>	BWSR CALC (STREAM & DITCH STABILIZATION)
<b>Waterbody</b>	Rush Lake		

Final Indicator for CP 15-2 Amy Miller			
<b>Indicator Name</b>	PHOSPHORUS (EST. REDUCTION)	<b>Value</b>	1.7
<b>Indicator Subcategory/Units</b>	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	<b>Calculation Tool</b>	BWSR CALC (STREAM & DITCH STABILIZATION)
<b>Waterbody</b>	Rush Lake		

Activity Action - CP 15-3 Cartwright			
Practice	155M - Storm Water Retention Basins	Count of Activities	1
Description	Shoreline erosion stabilization.		
Proposed Size / Units	1.00 COUNT	Lifespan	10 Years
Actual Size/Units	1.00 COUNT	Installed Date	8-Aug-17
Mapped Activities	1 Point(s)		

Final Indicator for CP 15-3 Cartwright			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	4.03
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (STREAM & DITCH STABILIZATION)
Waterbody	Rush Lake		

Final Indicator for CP 15-3 Cartwright			
Indicator Name	SOIL (EST. SAVINGS)	Value	3.5
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (STREAM & DITCH STABILIZATION)
Waterbody	Rush Lake		

Final Indicator for CP 15-3 Cartwright			
Indicator Name	SEDIMENT (TSS)	Value	3.5
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (STREAM & DITCH STABILIZATION)
Waterbody	Rush Lake		

Activity Action - CP 15-4 Wolkerstorfer			
Practice	155M - Storm Water Retention Basins	Count of Activities	1
Description	Rain garden.		
Proposed Size / Units	0.03 AC	Lifespan	10 Years
Actual Size/Units	0.03 AC	Installed Date	8-Sep-17
Mapped Activities	1 Point(s)		

Final Indicator for CP 15-4 Wolkerstorfer			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	1.09
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	Goose Lake		



Final Indicator for CP 15-4 Wolkerstorfer			
Indicator Name	SOIL (EST. SAVINGS)	Value	0.75
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	Goose Lake		

Final Indicator for CP 15-4 Wolkerstorfer			
Indicator Name	SEDIMENT (TSS)	Value	0.93
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	Goose Lake		

Activity Action - CP 15-5 Jane Goodson			
Practice	155M - Storm Water Retention Basins	Count of Activities	1
Description	The shoreline was eroding and the lawn was mowed down to the water. Native plants and rip rap were installed to stabilize the shoreline.		
Proposed Size / Units	120.00 LINEAR FEET	Lifespan	10 Years
Actual Size/Units	120.00 LINEAR FEET	Installed Date	25-Oct-16
Mapped Activities	1 Point(s)		

Final Indicator for CP 15-5 Jane Goodson			
Indicator Name	SEDIMENT (TSS)	Value	0.51
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (STREAM & DITCH STABILIZATION)
Waterbody	Rush Lake		

Final Indicator for CP 15-5 Jane Goodson			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	0.51
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (STREAM & DITCH STABILIZATION)
Waterbody	Rush Lake		

Grant Activity - Project Development			
Description	<p>This money will be used for development and promotion of the program, including project promotion, development of ranking criteria, and partnering with our target audience of lake association groups.</p> <p>Lakeshore residents would bring their project to the lake association. The Lake Association would then apply to the SWCD for funding for that project. The SWCD will determine if the project meets the criteria by reviewing the application and doing a site visit. If the project is accepted, the funds will be reimbursed to the Lake Association, which will then reimburse the landowner. Ideally, the lake associations could use this format to continue the program in the future.</p>		
Category	PROJECT DEVELOPMENT		
Start Date	13-Apr-15	End Date	01-Jun-16
Has Rates and Hours?	Yes		
Actual Results	<p>As of November 18, 2016</p> <p>Project development activities, including attending Association meetings to promote the cost share program, meeting with individual landowners, and creating other promotional materials is complete. All funds have been spent. SWCD Water Resource Specialist Casey Thiel attended 4 lake association meetings and met with 4 landowners.</p> <p>As of January 9, 2017</p> <p>All project development work has been completed and all of the funding has been spent. Staff attended 4 lake association meetings, met with 5 landowners, and developed 5 projects under this grant.</p>		



## Grant Activity - Technical/Engineering

<b>Description</b>	<p>These funds will be used to develop plan designs and for engineering services when required. Plans for urban storm water management BMPs will be developed through the Chisago SWCD staff and will be subject to the requirements of the Minnesota Stormwater Manual. Shoreline buffers will be subject to NRCS 393 Standard design criteria.</p> <p>Technical Staff-                  Craig Mell, TAA available in eLINK                  Casey Thiel, TAA available in eLINK                  Mary Jo Youngbauer, TAA available in eLINK                  James Landini, PE, Washington Conservation District</p>		
<b>Category</b>	TECHNICAL/ENGINEERING ASSISTANCE		
<b>Start Date</b>	4-May-15	<b>End Date</b>	04-Oct-16
<b>Has Rates and Hours?</b>	Yes		
<b>Actual Results</b>	<p>As of November 18, 2016                  Project designs are completed for Doug Poppens, Amy Miller, Jane Goodson, David and Carol Cartwright, and Jessica Wolkerstorfer. Construction oversight and check out are completed for Doug Poppens, Amy Miller, and Jane Goodson. All funds have been spent.</p> <p>As of January 9, 2017                  A preliminary design is completed for Cartwrights. Some minor changes may be required. The design for Wolkerstorfers is complete. Construction oversight will be required for these two projects in the spring. However, all technical/engineering funding has been spent.</p>		

## Grant Attachments

Document Name	Document Type	Description
<b>2015 Competitive Grant</b>	Grant Agreement	2015 Competitive Grant - Chisago SWCD
<b>2015 Competitive Grant executed</b>	Grant Agreement	2015 Competitive Grant - Chisago SWCD
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 11/23/2016
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 11/17/2016
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 04/18/2017
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 01/19/2016

Document Name	Document Type	Description
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 03/22/2016
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/09/2017
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 10/11/2017
Amy Miller Project	Grant	2015 - Chisago County Community Partners Grant
Application	Workflow Generated	Workflow Generated - Application - 09/22/2014
Cartwright project	Grant	2015 - Chisago County Community Partners Grant
Chisago County Community Partners Grant	Grant	2015 - Chisago County Community Partners Grant
Doug Poppens Project	Grant	2015 - Chisago County Community Partners Grant
Final Financial Report	Grant	2015 - Chisago County Community Partners Grant
Financial Report	Grant	2015 - Chisago County Community Partners Grant
Jane Goodson Project	Grant	2015 - Chisago County Community Partners Grant
Wolkerstorfer Project	Grant	2015 - Chisago County Community Partners Grant
Work Plan	Workflow Generated	Workflow Generated - Work Plan - 03/31/2015
Work Plan	Workflow Generated	Workflow Generated - Work Plan - 03/25/2015
Work Plan	Workflow Generated	Workflow Generated - Work Plan - 01/28/2015
grantmap_12549_2014-09-15_02-58-33-PM.jpg	Grant	2015 - Chisago County Community Partners Grant