



## Grant All-Detail Report SWCD Local Capacity Services 2016

**Grant Title** - 2016 - SWCD Local Capacity Services (Todd SWCD)

**Grant ID** - P16-8523

**Organization** - Todd SWCD

<b>Grant Awarded Amount</b>	<b>\$125,337.00</b>	<b>Grant Execution Date</b>	<b>1/11/2016</b>
<b>Required Match Amount</b>	<b>\$0.00</b>	<b>Grant End Date</b>	<b>12/31/2018</b>
<b>Required Match %</b>	<b>0%</b>	<b>Grant Day To Day Contact</b>	<b>Sarah Katterhagen</b>

### Budget Summary

	Budgeted	Spent	Balance Remaining*
Total Grant Amount	\$125,337.00	\$111,953.76	\$13,383.24
Total Match Amount	\$0.00	\$0.00	\$0.00
Total Other Funds	\$12,116.76	\$0.00	\$12,116.76
<b>Total</b>	<b>\$137,453.76</b>	<b>\$111,953.76</b>	<b>\$25,500.00</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
Excess Nutrients - Cost Share	Special Projects	Current State Grant	2016 - SWCD Local Capacity Services (Todd SWCD)	\$25,337.00	\$11,953.76	11/9/2017	N
Excess nutrients Technical Assistance 2016	Agricultural Practices	Current State Grant	2016 - SWCD Local Capacity Services (Todd SWCD)	\$12,500.00	\$12,500.00	12/31/2017	N
Rinde Farms	Agricultural Practices	Other Funds	2017 - State Cost-Share Fund (Todd SWCD)	\$12,116.76			N

Activity Name	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction Date	Matching Fund
Riparian Zone Mgt. - Technical 2016	Technical/Engineering Assistance	Current State Grant	2016 - SWCD Local Capacity Services (Todd SWCD)	\$60,000.00	\$60,000.00	12/31/2017	N
Riparian Zone Mgt. -Administration	Agricultural Practices	Current State Grant	2016 - SWCD Local Capacity Services (Todd SWCD)	\$6,500.00	\$8,500.00	12/31/2017	N
Riparian Zone Mgt. Education - 2016	Agricultural Practices	Current State Grant	2016 - SWCD Local Capacity Services (Todd SWCD)	\$8,500.00	\$12,500.00	12/31/2017	N
Soil Erosion - Technical - 2016	Agricultural Practices	Current State Grant	2016 - SWCD Local Capacity Services (Todd SWCD)	\$12,500.00	\$6,500.00	12/31/2017	N

### Activity Details Summary

Activity Details	Total Action Count	Total Activity Mapped	Proposed Size / Unit	Actual Size / Unit
312 - Waste Management System	1	1	112 COUNT	112 COUNT
312 - Waste Management System	1	1	81 COUNT	81 COUNT

### 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
<b>BOD 5</b>	170.00	LBS/YR
<b>PATHOGENS (E. COLI)</b>	333,000,000,000,000.00	CFU
<b>PHOSPHORUS (EST. REDUCTION)</b>	14.00	LBS/YR
<b>NITROGEN</b>	34.00	LBS/YR

## Grant Activity

### Grant Activity - Excess Nutrients - Cost Share

<b>Description</b>	Cost share of identified special projects will include soil erosion control, well sealing, shoreland stabilization, and livestock waste management projects		
<b>Category</b>	SPECIAL PROJECTS		
<b>Start Date</b>	26-Aug-16	<b>End Date</b>	31-Dec-17
<b>Has Rates and Hours?</b>	No		
<b>Actual Results</b>	<p>Report 1: 2-6-17 Installed projects will all have nutrient level reductions calculated and reported post project. No projects have been completed to date with these funds.</p> <p>Report 2: 1-15-18 Project funds are encumbered for use in the spring of 2018.</p>		

### Activity Action - Katterhagen Ag Waste

<b>Practice</b>	312 - Waste Management System	<b>Count of Activities</b>	1
<b>Description</b>	Waste Management System with fencing, buffers, berms, etc was designed and constructed to handle 112 Animal Units on site.		
<b>Proposed Size / Units</b>	112.00 COUNT	<b>Lifespan</b>	10 Years
<b>Actual Size/Units</b>	112.00 COUNT	<b>Installed Date</b>	8-Nov-17
<b>Mapped Activities</b>	1 Point(s)		

### Final Indicator for Katterhagen Ag Waste

<b>Indicator Name</b>	PHOSPHORUS (EST. REDUCTION)	<b>Value</b>	9
<b>Indicator Subcategory/Units</b>	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	<b>Calculation Tool</b>	MINNFARM
<b>Waterbody</b>	Turtle Creek		

### Final Indicator for Katterhagen Ag Waste

<b>Indicator Name</b>	PATHOGENS (E. COLI)	<b>Value</b>	3.14E14
<b>Indicator Subcategory/Units</b>	WATER POLLUTION (REDUCTION ESTIMATES) CFU	<b>Calculation Tool</b>	MINNFARM
<b>Waterbody</b>	Turtle Creek		

### Final Indicator for Katterhagen Ag Waste

<b>Indicator Name</b>	BOD 5	<b>Value</b>	107
<b>Indicator Subcategory/Units</b>	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	<b>Calculation Tool</b>	MINNFARM
<b>Waterbody</b>	Turtle Creek		

### Final Indicator for Katterhagen Ag Waste

<b>Indicator Name</b>	NITROGEN	<b>Value</b>	27
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<b>Indicator Subcategory/Units</b>	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	<b>Calculation Tool</b>	MINNFARM
<b>Waterbody</b>	Turtle Creek		

<b>Activity Action - Meiners Ag Waste Project</b>			
<b>Practice</b>	312 - Waste Management System	<b>Count of Activities</b>	1
<b>Description</b>	Waste Management system designed and constructed to meet 81 animal units.		
<b>Proposed Size / Units</b>	81.00 COUNT	<b>Lifespan</b>	10 Years
<b>Actual Size/Units</b>	81.00 COUNT	<b>Installed Date</b>	9-Aug-17
<b>Mapped Activities</b>	1 Point(s)		

**Final Indicator for Meiners Ag Waste Project**

<b>Indicator Name</b>	BOD 5	<b>Value</b>	63
<b>Indicator Subcategory/Units</b>	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	<b>Calculation Tool</b>	MINNFARM
<b>Waterbody</b>	Wetlands		

**Final Indicator for Meiners Ag Waste Project**

<b>Indicator Name</b>	PHOSPHORUS (EST. REDUCTION)	<b>Value</b>	5
<b>Indicator Subcategory/Units</b>	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	<b>Calculation Tool</b>	MINNFARM
<b>Waterbody</b>	Wetlands		

**Final Indicator for Meiners Ag Waste Project**

<b>Indicator Name</b>	PATHOGENS (E. COLI)	<b>Value</b>	1.9E13
<b>Indicator Subcategory/Units</b>	WATER POLLUTION (REDUCTION ESTIMATES) CFU	<b>Calculation Tool</b>	MINNFARM
<b>Waterbody</b>	Wetlands		

**Final Indicator for Meiners Ag Waste Project**

<b>Indicator Name</b>	NITROGEN	<b>Value</b>	7
<b>Indicator Subcategory/Units</b>	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	<b>Calculation Tool</b>	MINNFARM
<b>Waterbody</b>	Wetlands		

**Grant Activity - Excess nutrients Technical Assistance 2016**

<b>Description</b>	Excess Nutrients will be controlled through design and cost share of practices designed to reduce the threat of nutrients to ground and surface waters. Projects will include well sealing, shore land erosion projects, and low-cost manure handling facility improvements.		
<b>Category</b>	AGRICULTURAL PRACTICES		
<b>Start Date</b>	1-Jan-16	<b>End Date</b>	31-Dec-18
<b>Has Rates and Hours?</b>	Yes		
<b>Actual Results</b>	<p>Report 1: 2-6-17 Several programs were offered cooperatively with E. Ottertail SWCD and supported using Todd's Local Capacity funds: Irrigation scheduling program assisted 16 Todd County fields, five producers utilized the stalk nitrate program, 2 producers set up nutrient management plots. Staff time was put toward following up with and answering questions from landowners after the township nitrate testing project.</p> <p>Report 2: 1-15-18 The IWM and stalk nitrate programs were promoted at the same levels as in 2016, 3 IWM plans were written, staff assisted with identification of pits to close throughout the county - a list of over 80 abandoned pits was identified for closure. Staff met one on one with 29 livestock owners during the year to determine how manure and thus nutrients could be managed better. Several manure and livestock complaints were followed up on in the field by staff. Evaluating and improving nutrient management was an important part of the MN Ag Water Quality Certification process which resulted in 3 new producers this year and 5637 acres under certification.</p>		

## Grant Activity - Riparian Zone Mgt. - Technical 2016

<b>Description</b>	Riparian Zone technical assistance (new position) to landowners will be provided to establish riparian zone buffers within Todd County to meet MN Buffer Initiative requirements. Technical staff will assist with program enrollment and development of alternative practices to meet water quality objectives. Buffers implementation is outlined in the Todd SWCD work plan (2016) and the Todd County Water Plan (Goal 2: Objective 1).		
<b>Category</b>	TECHNICAL/ENGINEERING ASSISTANCE		
<b>Start Date</b>	1-Jan-16	<b>End Date</b>	31-Dec-16
<b>Has Rates and Hours?</b>	Yes		
<b>Actual Results</b>	<p>Report #1: 2-6-17 Reach out to 4300+ identified landowners that have a buffer requirement in the county. Identify and work with landowners with biggest buffer needs based on acres to establish. Follow up with requests for assistance needed to comply with buffer rules. Document compliance level with buffer rules and work with 100+ landowners during the year to reach compliance.</p> <p>Report #2: 1-15-18 staff assisted landowners with a number of shoreland projects, one was cost shared, others were installed at landowner expense. Lake Associations were invited to attend a River and Lake Day event to learn more about shore land activities to benefit the lakes (22 attended). Staff also assisted with the voluntary implementation of the buffer law. Reaching out to landowners through media and newsletters and direct contact.</p>		

## Grant Activity - Riparian Zone Mgt. -Administration

<b>Description</b>	Riparian Zone Mgt. -Administration will be used for financial and program coordination of riparian zone mgt. implementation and reporting. Hours tracking, billing, financial and project processing and reporting will be completed. Meets Todd County Annual Work Plan Goals for proper administration of BWSR grants.		
<b>Category</b>	AGRICULTURAL PRACTICES		
<b>Start Date</b>	1-Jan-16	<b>End Date</b>	31-Dec-18
<b>Has Rates and Hours?</b>	Yes		
<b>Actual Results</b>	<p>Report #1: 2-6-17 Riparian Zone Management will be new for 2016. Tracking parameters will be set up to ensure that grant funds will be expensed, tracked, and reported as per BWSR rules.</p> <p>Report #2: 1-18-18 Expenses were tracked to grant categories for this grant and all the others and correct billable rates used.</p>		

## Grant Activity - Riparian Zone Mgt. Education - 2016

<b>Description</b>	Riparian Zone Mgt. Education will be focused on those landowners identified through the buffer inventory work currently being completed. Mail, site visits, and presentations at meetings will be used to reach landowners that need to install buffers along streams and ditches. In Todd SWCD Annual Plan of Work (2016) and Water plan (Goal 1: Objective 2).		
<b>Category</b>	AGRICULTURAL PRACTICES		
<b>Start Date</b>	1-Jan-16	<b>End Date</b>	31-Jan-18
<b>Has Rates and Hours?</b>	Yes		
<b>Actual Results</b>	<p>Report #1: 2-6-17 Contacted all 4300 landowners owning land buffer need. Reached out to the estimated 300 to 400 that have significant buffering to complete with direct mailing and calls. Targeted 500 top landowners needing buffers with mail out survey. Additional staff time was used toward water related Enviro-Fest (478 attended), toward a River and Lake Day event (45 attended), and development of 2 newsletters and monthly articles to the newspaper.</p> <p>Report #2: 1-18-18 Activities were organized to reach landowners including Envirofest (594 reached) River and Lake Day (22), 2 newsletters (9500) 8 articles, 6 news releases, and monthly radio outreach. A Feedlot Meeting reached 180 people and a livestock tour 25.</p>		

**Grant Activity - Soil Erosion - Technical - 2016**

<b>Description</b>	Soil Erosion - Technical Assistance is needed to follow up on complaints and requests to control soil erosion by landowners. Existing staff will be used for this task. Work to include selection and design of BMPs, and presenting alternatives to landowners. These activities are needed in farmed areas of the county and along shore land areas. Water Plan Goal 3: Objective 3.		
<b>Category</b>	AGRICULTURAL PRACTICES		
<b>Start Date</b>	1-Jan-16	<b>End Date</b>	31-Dec-18
<b>Has Rates and Hours?</b>	Yes		
<b>Actual Results</b>	<p>Report #1: 2016 Reached out to 50 landowners that have active erosion in farmed land or in shore land areas. Respond to all reported excess soil loss complaints. Develop at least 10 of these into some form of fundable project that can be submitted for funding if desired by the landowner.</p> <p>Report #2 1-18-18 During 2017 staff assisted landowners with soil erosion in a number of different situations. Three sites had erosion due to intensive grazing along waterways. Landowners along 2 lakes were assisted with efforts to solve bank erosion associated with high water levels. Several shoreland owners had erosion problems and desired to fix the erosion along with other modifications to their property and therein used staff for technical assistance.</p>		

**Grant Attachments**

Document Name	Document Type	Description
<b>2016 SWCD Local Capacity Services</b>	Grant Agreement	2016 SWCD Local Capacity Services - Todd SWCD
<b>2016 SWCD Local Capacity Services executed</b>	Grant Agreement	2016 SWCD Local Capacity Services - Todd SWCD
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 02/04/2017
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 02/06/2017
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 08/26/2016
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 09/12/2016
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 01/30/2017
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 01/15/2018
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 09/08/2016
<b>Amendment executed</b>	Grant Agreement	2016 SWCD Local Capacity Services - Todd SWCD
<b>SWCD Capacity Amendment - Todd SWCD.docx</b>	Grant	2016 - SWCD Local Capacity Services (Todd SWCD)
<b>Work Plan</b>	Workflow Generated	Workflow Generated - Work Plan - 12/23/2015
<b>Work Plan</b>	Workflow Generated	Workflow Generated - Work Plan - 11/30/2015



Document Name	Document Type	Description
<b>Work Plan</b>	Workflow Generated	Workflow Generated - Work Plan - 07/15/2016