



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

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

**Grant ID** - P16-0008

**Organization** - Stevens SWCD

<b>Grant Awarded Amount</b>	<b>\$125,337.00</b>	<b>Grant Execution Date</b>	<b>2/26/2016</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>Matt Solemsaas</b>

### Budget Summary

	Budgeted	Spent	Balance Remaining*
Total Grant Amount	\$125,337.00	\$83,223.22	\$42,113.78
Total Match Amount	\$0.00	\$0.00	\$0.00
Total Other Funds	\$0.00	\$0.00	\$0.00
<b>Total</b>	<b>\$125,337.00</b>	<b>\$83,223.22</b>	<b>\$42,113.78</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
Riparian Zone Management - 2016 GPS	Inventory/Mapping	Current State Grant	2016 - SWCD Local Capacity Services (Stevens SWCD)	\$10,000.00	\$10,000.00	11/15/2016	N
Riparian Zone Management - 2016 Drone	Monitoring/Data Collection	Current State Grant	2016 - SWCD Local Capacity Services (Stevens SWCD)	\$2,000.00	\$1,924.32	12/12/2017	N
Water Storage & Treatment - 2016 Equipment Purchases	Supplies/Equipment	Current State Grant	2016 - SWCD Local Capacity Services (Stevens SWCD)	\$6,000.00	\$6,000.00	4/8/2016	N
Water Storage & Treatment - 2016 Increased Building Rent	Administration/Coordination	Current State Grant	2016 - SWCD Local Capacity Services (Stevens SWCD)	\$6,000.00			N

Activity Name	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction Date	Matching Fund
Water Storage & Treatment - 2016 Technology Updates	Supplies/Equipment	Current State Grant	2016 - SWCD Local Capacity Services (Stevens SWCD)	\$8,000.00	\$6,609.90	12/12/2017	N
Water Storage & Treatment - 2016 Vehicle Purchase	Supplies/Equipment	Current State Grant	2016 - SWCD Local Capacity Services (Stevens SWCD)	\$35,000.00	\$35,000.00	5/31/2016	N
Water Storage & Treatment - 2016 Cost Share Assistance	Special Projects	Current State Grant	2016 - SWCD Local Capacity Services (Stevens SWCD)	\$58,337.00	\$23,689.00	11/14/2017	N

### Activity Details Summary

Activity Details	Total Action Count	Total Activity Mapped	Proposed Size / Unit	Actual Size / Unit
712M - Bioretention Basin	9	1	1 COUNT	1 COUNT
638 - Water and Sediment Control Basin	4	0	4 COUNT	0 COUNT
638 - Water and Sediment Control Basin	5	5	5 COUNT	5 COUNT
638 - Water and Sediment Control Basin	3	3	3 COUNT	3 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
SEDIMENT (TSS)	49.49	TONS/YR
PHOSPHORUS (EST. REDUCTION)	57.11	LBS/YR
SOIL (EST. SAVINGS)	63.42	TONS/YR

## Grant Activity

Grant Activity - Riparian Zone Management - 2016 GPS			
Description	Riparian Zone Management - 2016		
	A Trimble Geo 7 Series handheld GPS unit with sub-centimeter accuracy will be purchased to both collect and mark data points for landowners implementing buffers along protected waters, legal ditches and other sensitive areas within Stevens county. Grant funds will cover partial cost of the GPS unit, with the SWCD contributing additional funds.		
Category	INVENTORY/MAPPING		
Start Date	15-Nov-16	End Date	15-Nov-16
Has Rates and Hours?	No		
Actual Results	Trimble Geo 7 handheld GPS unit was purchased to collect and mark data points in assisting landowners with buffer law implementation. Total cost was \$13,942.91. \$10000 of grant funding was used, in addition to \$3942.91 district funds.		

Grant Activity - Riparian Zone Management - 2016 Drone			
Description	Riparian Zone Management - 2016		
	Stevens SWCD will be purchasing a drone to be used for the extensive monitoring that will need to be completed in an ongoing basis for compliance with the new buffer law as well as potential use for monitoring on other easement practices as well as field work required with implementing the Wetland Conservation Act. Grant funds will cover partial cost of the drone, with the SWCD contributing additional funds.		
Category	MONITORING/DATA COLLECTION		
Start Date	4-Mar-16	End Date	
Has Rates and Hours?	No		
Actual Results	Maverick Drone Systems drone purchased. Total cost was \$1563.58. Grant funds of \$1000 were used, along with \$563.58 district funds, to purchase the drone. \$1000 in funding remains unspent as of 12/31/2016. iPad and pilot course to be used in conjunction with drone were purchased 3/14/17 for a total of \$620.43. \$379.57 in funding remains.		
	Additional pilot course registration fee of \$303.89 paid 12/12/17.		

**Grant Activity - Water Storage & Treatment - 2016 Equipment Purchases**

<b>Description</b>	Water Storage & Treatment - Equipment Purchase		
	County Comprehensive Local Water Management Plan		
	Dump trailer and walk-behind tiller will be purchased to allow the district to perform additional services for landowners installing water quality projects such as rain gardens on their property. This will eliminate significant manual labor, saving time and improving efficiency, which will allow us to complete more projects. Grant funding will be used to cover partial cost of equipment, with SWCD funding being used to cover the remainder.		
<b>Category</b>	SUPPLIES/EQUIPMENT		
<b>Start Date</b>	4-Mar-16	<b>End Date</b>	08-Apr-16
<b>Has Rates and Hours?</b>	No		
<b>Actual Results</b>	Walk behind tiller purchased \$600.00 (Total cost of \$795.15). Dump Trailer purchased \$5400.00 (Total cost of \$6799.00).		

**Grant Activity - Water Storage & Treatment - 2016 Increased Building Rent**

<b>Description</b>	Water Storage & Treatment - Increased Building Rent		
	County Comprehensive Local Water Management Plan		
	Additional staff hired to work on project development and technical assistance for water quality projects require the lease of additional office space. Grant funds will cover the cost of renting additional square footage used to house this additional staff.		
<b>Category</b>	ADMINISTRATION/COORDINATION		
<b>Start Date</b>		<b>End Date</b>	
<b>Has Rates and Hours?</b>	No		
<b>Actual Results</b>	As of 12/31/16, no building lease has been obtained and no additional rent charges paid.		

### Grant Activity - Water Storage & Treatment - 2016 Technology Updates

Description	<p>Water Storage &amp; Treatment - Technology Updates</p> <p>County Comprehensive Local Water Management Plan</p> <p>Additional computers, standard office equipment, and software including GIS &amp; Microsoft Office licenses/software, will be purchased for existing and additional staff. This will increase capacity by allowing staff to handle increased work load associated with assisting landowners in Stevens County with conservation planning and implementation.</p>		
Category	SUPPLIES/EQUIPMENT		
Start Date	4-Mar-16	End Date	
Has Rates and Hours?	No		
Actual Results	<p>\$1918.41 spent on GPS software. \$969.00 for USDA CCE-compliant computer. \$751.94 for Microsoft Office subscriptions. \$223.37 computer monitor purchase. \$647.00 computer purchase. \$1200.20 Technician workstation purchase.</p> <p>In December 2017, 2 TV monitors/displays were purchased for use in the SWCD office foyer and conference room.</p>		

### Grant Activity - Water Storage & Treatment - 2016 Vehicle Purchase

Description	<p>Water Storage &amp; Treatment - Vehicle Purchase</p> <p>County Comprehensive Local Water Management Plan</p> <p>Additional technical staff hired require an additional vehicle to be used for field work, site evaluations, and other activities related to clean water and district projects. Grant funds will cover partial cost of vehicle, with the SWCD contributing additional funds.</p>		
Category	SUPPLIES/EQUIPMENT		
Start Date	4-Mar-16	End Date	31-May-16
Has Rates and Hours?	No		
Actual Results	2016 Dodge 3500 Crew Cab purchased. Total cost of \$48991.38. \$35,000 grant funding used and \$13991.38 of district funding.		

## Grant Activity - Water Storage & Treatment - 2016 Cost Share Assistance

<b>Description</b>	Water Storage & Treatment - Cost Share assistance		
	County Comprehensive Local Water Management Plan		
	Funds will be used to cost share the installation of practices consistent with the BWSR State Cost Share Program Policy within Stevens County. Practices may include: WASCObS (638), Streambank & Shoreline Protection (580), Alternative Tile Intakes (606), and Stormwater Retention Basins (570).		
<b>Category</b>	SPECIAL PROJECTS		
<b>Start Date</b>	4-Mar-16	<b>End Date</b>	
<b>Has Rates and Hours?</b>	No		
<b>Actual Results</b>	A total of \$17956 was spent on project cost share in 2016. Funding available as of 12/31/16 is \$40,381, with \$20272.25 of that amount encumbered for contract 1-DC16. Unencumbered funds are \$20108.75		
	A total of \$5733 was spent on project cost share in 2017. All additional funds available have been allocated and are awaiting project completions.		

Activity Action - 4-DC16 Tomoson			
<b>Practice</b>	712M - Bioretention Basin	<b>Count of Activities</b>	1
<b>Description</b>	Rain garden		
<b>Proposed Size / Units</b>	1.00 COUNT	<b>Lifespan</b>	10 Years
<b>Actual Size/Units</b>	1.00 COUNT	<b>Installed Date</b>	12-Dec-16
<b>Mapped Activities</b>	1 Point(s)		

Final Indicator for 4-DC16 Tomoson			
<b>Indicator Name</b>	SOIL (EST. SAVINGS)	<b>Value</b>	0.001
<b>Indicator Subcategory/Units</b>	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	<b>Calculation Tool</b>	Other
<b>Waterbody</b>	PDT		
Final Indicator for 4-DC16 Tomoson			
<b>Indicator Name</b>	PHOSPHORUS (EST. REDUCTION)	<b>Value</b>	0.008
<b>Indicator Subcategory/Units</b>	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	<b>Calculation Tool</b>	Other
<b>Waterbody</b>	pdt		

Activity Action - 5-DC16 Wahl Rain Garden			
Practice	712M - Bioretention Basin	Count of Activities	1
Description	Rain garden installed		
Proposed Size / Units	1.00 COUNT	Lifespan	10 Years
Actual Size/Units	1.00 COUNT	Installed Date	12-Dec-16
Mapped Activities	1 Point(s)		

Final Indicator for 5-DC16 Wahl Rain Garden			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	0.016
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Other
Waterbody	pdt		
Final Indicator for 5-DC16 Wahl Rain Garden			
Indicator Name	SOIL (EST. SAVINGS)	Value	0.0022
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	Other
Waterbody	pdt		

Activity Action - 6-DC16 Howe			
Practice	712M - Bioretention Basin	Count of Activities	1
Description	Rain garden installed. \$665 CLWP14 also used for 75% cost share		
Proposed Size / Units	1.00 COUNT	Lifespan	10 Years
Actual Size/Units	1.00 COUNT	Installed Date	12-Dec-16
Mapped Activities	1 Point(s)		

Final Indicator for 6-DC16 Howe			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	0.104
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Other
Waterbody	pdt		
Final Indicator for 6-DC16 Howe			
Indicator Name	SOIL (EST. SAVINGS)	Value	0.013
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	Other
Waterbody	PDT		

Activity Action - 3-DC16 Mumm WASCOB			
Practice	638 - Water and Sediment Control Basin	Count of Activities	3
Description	3 WASCOBs installed		
Proposed Size / Units	3.00 COUNT	Lifespan	10 Years
Actual Size/Units	3.00 COUNT	Installed Date	15-Dec-16
Mapped Activities	3 Point(s)		

Final Indicator for 3-DC16 Mumm WASCOB			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	48.30
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	pdt		
Final Indicator for 3-DC16 Mumm WASCOB			
Indicator Name	SOIL (EST. SAVINGS)	Value	42.00
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	pdt		
Final Indicator for 3-DC16 Mumm WASCOB			
Indicator Name	SEDIMENT (TSS)	Value	42.00
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	pdt		

Activity Action - 2-DC16 Rinkenberger WASCOB			
Practice	638 - Water and Sediment Control Basin	Count of Activities	5
Description	5 WASCOBs installed		
Proposed Size / Units	5.00 COUNT	Lifespan	10 Years
Actual Size/Units	5.00 COUNT	Installed Date	15-Dec-16
Mapped Activities	5 Point(s)		

Final Indicator for 2-DC16 Rinkenberger WASCOB			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	8.61
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	pdt		
Final Indicator for 2-DC16 Rinkenberger WASCOB			
Indicator Name	SOIL (EST. SAVINGS)	Value	21.39



Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	pdt		
Final Indicator for 2-DC16 Rinkenberger WASCOB			
Indicator Name	SEDIMENT (TSS)	Value	7.48
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	pdt		

Activity Action - 75-29-14-CWF Dyson Rain Garden			
Practice	712M - Bioretention Basin	Count of Activities	1
Description	Rain garden installed using CWF & capacity funding		
Proposed Size / Units	1.00 COUNT	Lifespan	10 Years
Actual Size/Units	1.00 COUNT	Installed Date	16-Dec-16
Mapped Activities	1 Point(s)		

Final Indicator for 75-29-14-CWF Dyson Rain Garden			
Indicator Name	SOIL (EST. SAVINGS)	Value	0.015
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	Other
Waterbody	pomme		

Final Indicator for 75-29-14-CWF Dyson Rain Garden			
Indicator Name	SEDIMENT (TSS)	Value	0.0015
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	Other
Waterbody	pomme		

Final Indicator for 75-29-14-CWF Dyson Rain Garden			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	0.012
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Other
Waterbody	pomme		

Activity Action - 1-DC16 J Weiler WASCOBS			
Practice	638 - Water and Sediment Control Basin	Count of Activities	4
Description	WASCOB complex in conjunction with EQIP		
Proposed Size / Units	4.00 COUNT	Lifespan	10 Years
Actual Size/Units	COUNT	Installed Date	
Mapped Activities	No		

Activity Action - 10-DC16 Murphy			
Practice	712M - Bioretention Basin	Count of Activities	1
Description	Rain garden		
Proposed Size / Units	1.00 COUNT	Lifespan	10 Years
Actual Size/Units	1.00 COUNT	Installed Date	17-Oct-17
Mapped Activities	No		

Final Indicator for 10-DC16 Murphy

Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	0.011
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Other
Waterbody	pomme de terre		

Final Indicator for 10-DC16 Murphy

Indicator Name	SEDIMENT (TSS)	Value	0.0014
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	Other
Waterbody	Pomme de Terre		

Activity Action - 9-DC16 Sanderson			
Practice	712M - Bioretention Basin	Count of Activities	1
Description	Rain garden		
Proposed Size / Units	1.00 COUNT	Lifespan	10 Years
Actual Size/Units	1.00 COUNT	Installed Date	17-Oct-17
Mapped Activities	No		

Final Indicator for 9-DC16 Sanderson

Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	0.01
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Other
Waterbody	pdt		

Final Indicator for 9-DC16 Sanderson

Indicator Name	SEDIMENT (TSS)	Value	0.0013
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	Other
Waterbody	pdt		

Activity Action - 12-DC16 Johnson			
Practice	712M - Bioretention Basin	Count of Activities	1
Description	Rain garden		
Proposed Size / Units	1.00 COUNT	Lifespan	10 Years
Actual Size/Units	1.00 COUNT	Installed Date	17-Oct-17
Mapped Activities	No		

Final Indicator for 12-DC16 Johnson			
Indicator Name	SEDIMENT (TSS)	Value	0.0011
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	Other
Waterbody	pdt		
Final Indicator for 12-DC16 Johnson			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	0.0088
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Other
Waterbody	pdt		

Activity Action - 14-DC16 Duhamel			
Practice	712M - Bioretention Basin	Count of Activities	1
Description	Rain garden		
Proposed Size / Units	1.00 COUNT	Lifespan	10 Years
Actual Size/Units	1.00 COUNT	Installed Date	17-Oct-17
Mapped Activities	No		

Final Indicator for 14-DC16 Duhamel			
Indicator Name	SEDIMENT (TSS)	Value	0.0022
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	Other
Waterbody	pdt		
Final Indicator for 14-DC16 Duhamel			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	0.018
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Other
Waterbody	pdt		

Activity Action - 8-DC16 Christensen			
Practice	712M - Bioretention Basin	Count of Activities	1
Description	rain garden		
Proposed Size / Units	1.00 COUNT	Lifespan	10 Years
Actual Size/Units	1.00 COUNT	Installed Date	14-Nov-17
Mapped Activities	No		

Final Indicator for 8-DC16 Christensen			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	0.008
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Other
Waterbody	pdt		
Final Indicator for 8-DC16 Christensen			
Indicator Name	SEDIMENT (TSS)	Value	0.001
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	Other
Waterbody	pdt		

## Grant Attachments

Document Name	Document Type	Description
2016 SWCD Local Capacity Services	Grant Agreement	2016 SWCD Local Capacity Services - Stevens SWCD
2016 SWCD Local Capacity Services executed	Grant Agreement	2016 SWCD Local Capacity Services - Stevens SWCD
4-20-17 Reconciliation Report	Grant	2016 - SWCD Local Capacity Services (Stevens SWCD)
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 04/03/2017
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 02/05/2018
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 02/01/2017
Amendment executed	Grant Agreement	2016 SWCD Local Capacity Services - Stevens SWCD
P16-0008 Financial Reconciliation Checklist/Report	Journal	Journal Dated - 05/03/2017
SWCD Capacity Amendment - Stevens SWCD.docx	Grant	2016 - SWCD Local Capacity Services (Stevens SWCD)
Work Plan	Workflow Generated	Workflow Generated - Work Plan - 02/23/2016
Work Plan	Workflow Generated	Workflow Generated - Work Plan - 11/30/2015
Work Plan	Workflow Generated	Workflow Generated - Work Plan - 07/15/2016