



Grant All-Detail Report SWCD Local Capacity Services 2016

Grant Title - 2016 - SWCD Local Capacity Services (Root River SWCD)

Grant ID - P16-6417

Organization - Root River SWCD

Original Awarded Amount	\$125,337.00	Grant Execution Date	3/10/2016
Required Match Amount	\$0.00	Original Grant End Date	12/31/2018
Required Match %	0%	Grant Day To Day Contact	Janice Messner
Current Awarded Amount	\$125,337.00	Current End Date	12/31/2018

Budget Summary

	Budgeted	Spent	Balance Remaining*
Total Grant Amount	\$125,337.00	\$125,337.00	\$0.00
Total Match Amount	\$18,211.04	\$18,211.04	\$0.00
Total Other Funds	\$4,697.82	\$5,542.11	\$-844.29
Total	\$148,245.86	\$149,090.15	\$-844.29

*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
Cost Share Grassed Waterway Installation - Hendel, K. (this one)	Agricultural Practices	Current State Grant	2016 - SWCD Local Capacity Services (Root River SWCD)	\$6,806.25	\$6,806.25	6/14/2018	N
Cost Share Grassed Waterway Installation - Hendel, K. (this one)	Agricultural Practices	Landowner Fund	Landowner Portion	\$2,281.49	\$2,281.49	6/14/2018	Y
Cost Share Grassed Waterway Installation - Hendel, K. (this one)	Agricultural Practices	Other Funds	2017 - State Cost-Share Fund (Root River SWCD)	\$38.21	\$38.21	6/14/2018	N

Activity Name	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction Date	Matching Fund
Grassed Waterway Installation	Agricultural Practices	Other Funds	2017 - State Cost-Share Fund (Root River SWCD)	\$4,087.64	\$3,778.13	9/13/2018	N
Grassed Waterway Installation	Agricultural Practices	Other Funds	Landowner Portion	\$571.97	\$1,725.77	9/13/2018	Y
Soil Erosion - 2016 Administration	Administration /Coordination	Current State Grant	2016 - SWCD Local Capacity Services (Root River SWCD)	\$4,000.00	\$4,000.00	9/16/2017	N
Soil Erosion - 2016 Cost Share Assistance	Agricultural Practices	Current State Grant	2016 - SWCD Local Capacity Services (Root River SWCD)	\$26,304.00	\$26,304.00	1/11/2018	N
Soil Erosion - 2016 Cost Share Assistance	Agricultural Practices	Landowner Fund	2016 Landowner Contribution	\$15,929.55	\$15,929.55	1/11/2018	Y
Soil Erosion - 2016 Technician	Technical/Engineering Assistance	Current State Grant	2016 - SWCD Local Capacity Services (Root River SWCD)	\$55,200.00	\$55,200.00	12/21/2017	N
Soil Erosion - Technology/Equipment	Supplies/Equipment	Current State Grant	2016 - SWCD Local Capacity Services (Root River SWCD)	\$5,800.00	\$5,800.00	9/13/2018	N
Soil Erosion - Vehicle	Supplies/Equipment	Current State Grant	2016 - SWCD Local Capacity Services (Root River SWCD)	\$27,226.75	\$27,226.75	7/14/2017	N
Troendle, Ed - Grassed Waterway	Agricultural Practices	Other Funds	2015 - State Cost-Share Fund (Root River SWCD)	\$0.00			N

Activity Details Summary

Activity Details	Total Action Count	Total Activity Mapped	Proposed Size / Unit	Actual Size / Unit
412 - Grassed Waterway and Swales	2	2	700 LINEAR FEET	700 LINEAR FEET
412 - Grassed Waterway and Swales	2		975 LINEAR FEET	1025 LINEAR FEET
600 - Terrace	1	1	1900 LINEAR FEET	1900 LINEAR FEET
412 - Grassed Waterway and Swales	1	1	300 LINEAR FEET	300 LINEAR FEET
412 - Grassed Waterway and Swales	2	2	925 LINEAR FEET	1025 LINEAR FEET
412 - Grassed Waterway and Swales	2	2	750 LINEAR FEET	750 LINEAR FEET
342 - Critical Area Planting	3	3	0.7 AC	1.2 AC
412 - Grassed Waterway and Swales	2	2	600 LINEAR FEET	675 LINEAR FEET

Activity Details	Total Action Count	Total Activity Mapped	Proposed Size / Unit	Actual Size / Unit
412 - Grassed Waterway and Swales	4	4	4436 LINEAR FEET	3751 LINEAR FEET
410 - Grade Stabilization Structure	1	1	1 COUNT	1 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)	259.81	TONS/YR
PHOSPHORUS (EST. REDUCTION)	261.16	LBS/YR
SOIL (EST. SAVINGS)	843.00	TONS/YR

Grant Activity

Grant Activity - Cost Share Grassed Waterway Installation - Hendel, K. (this one)			
Description	Houston County Comprehensive Local Water Management Plan		
	Funds will be used to cost share the installation of various BMPs within Houston County, consistent with the BWSR State Cost Share Program Policy. BMPs will consist of, but not be limited to: Grassed Waterways (412), Grade Stabilization Structure (410), Critical Area Planting (342).		
Category	AGRICULTURAL PRACTICES		
Start Date	10-Mar-16	End Date	14-Jun-18
Has Rates and Hours?	No		
Actual Results	Concentrated flow area is gullying.		
	CY2018 4 grassed waterways totaling 3,751 LF were eligible for cost share assistance. Saved 91.71 lbs/yr Phosphorus, 136.65 T/yr. soil and 91.71 T/yr sediment. Total eligible for cost share \$9,125.95 Cost share assistance \$6,806.25 and \$38.21(FY17 State Cost Share grant). Landowner's portion \$2,281.49.		

Activity Action - Hendel, K.			
Practice	412 - Grassed Waterway and Swales	Count of Activities	4
Description	Concentrated flow area is gullyng.		
Proposed Size / Units	4,436.00 LINEAR FEET	Lifespan	10 Years
Actual Size/Units	3,751.00 LINEAR FEET	Installed Date	14-Jun-18
Mapped Activities	4 Polygon(s)		

Final Indicator for Hendel, K.

Indicator Name	SOIL (EST. SAVINGS)	Value	38.25
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	South Fork Root River		

Final Indicator for Hendel, K.

Indicator Name	SEDIMENT (TSS)	Value	4.09
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	South Fork Root River		

Final Indicator for Hendel, K.

Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	4.09
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	South Fork Root River		

Final Indicator for Hendel, K.

Indicator Name	SEDIMENT (TSS)	Value	65.88
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	South Fork Root River		

Final Indicator for Hendel, K.

Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	65.88
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	South Fork Root River		

Final Indicator for Hendel, K.

Indicator Name	SOIL (EST. SAVINGS)	Value	65.88
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)

Waterbody	South Fork Root River		
Final Indicator for Hendel, K.			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	5.8
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	South Fork Root River		
Final Indicator for Hendel, K.			
Indicator Name	SOIL (EST. SAVINGS)	Value	16.58
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	South Fork Root River		
Final Indicator for Hendel, K.			
Indicator Name	SEDIMENT (TSS)	Value	5.8
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	South Fork Root River		
Final Indicator for Hendel, K.			
Indicator Name	SEDIMENT (TSS)	Value	15.94
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	South Fork Root River		
Final Indicator for Hendel, K.			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	15.94
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	South Fork Root River		
Final Indicator for Hendel, K.			
Indicator Name	SOIL (EST. SAVINGS)	Value	15.94
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	South Fork Root River		

Grant Activity - Soil Erosion - 2016 Administration

Description	Houston County Comprehensive Local Water Management Plan Funds will be spent by SWCD staff to complete the administration of the grant. This includes, but not limited to, completing the required eLink reporting, supervision of staff hired with this grant and coordination of activities necessary to complete the activities associated with this grant, such as coordinating purchase of vehicle, purchasing supplies for staff and updating the SWCD Board on the progress of grant activities.		
Category	ADMINISTRATION/COORDINATION		
Start Date	10-Mar-16	End Date	16-Sep-17
Has Rates and Hours?	Yes		
Actual Results	<p>During CY16 funds in the amount of \$1,194.38 were expended as follows:</p> <p>Admin. Asst 2 hrs @ 38.91 = 77.82 Admin. Asst 6.75 hrs @ 38.86 = 262.31 Dist Man 17 hrs @ 50.25 = 854.25</p> <p>Dist Man hrs were used for training of new technicians & Admin Asst time was used for tracking hrs & wages for grant & eLink reporting.</p> <p>During CY17 \$2,805.62 were expended.</p> <p>Tech Dan 14 hrs @ 34.84 = 487.76 Tech Jean 12 hrs @ 30.91 = 370.92 Asst Man Bob 8 hrs @ 49.72 = 397.76 Admin Janice 2 hrs @ 38.86 = 77.72 Admin Janice 36.02989 hrs @ 40.84 = 1,471.46</p> <p>Tech & Asst Man hours were for hydrology training. Admin hours used for tracking hrs & wages for grant & eLink reporting.</p>		

Grant Activity - Soil Erosion - 2016 Cost Share Assistance

<p>Description</p>	<p>Houston County Comprehensive Local Water Management Plan</p> <p>Funds will be used to cost share the installation of various BMPs within Houston County, consistent with the BWSR State Cost Share Program Policy. BMPs will consist of, but not be limited to: Grassed Waterways (412), Grade Stabilization Structure (410), Critical Area Planting (342).</p>		
<p>Category</p>	<p>AGRICULTURAL PRACTICES</p>		
<p>Start Date</p>	<p>10-Mar-16</p>	<p>End Date</p>	<p>14-Jun-18</p>
<p>Has Rates and Hours?</p>	<p>No</p>		
<p>Actual Results</p>	<p>During CY16 the following BMPs were installed:</p> <ul style="list-style-type: none"> - Grassed Waterway #1 w/rock crossing treating 141 ac drain area & saves 17.85 T/yr. sediment, 17.85 T/yr. of soil & phosphorous 17.85 lbs/yr. - Grassed Waterway #2 treating a 21 ac drain area & saves 7.65 T/yr. sediment, 7.65 T/yr. soil & 7.65 lbs/yr phosphorus. - Critical Area Planting project consisting of three critical planting areas, 1.2 acres. Saves 92.76 T/yr. sediment, 530.08 T/yr. soil & 92.76 lbs/yr phosphorus. - Terrace treating .92 acres with 5 contributing ac & saves .89 T/yr. sediment, 3.13 T/yr. soil & 1.4 lbs/yr phosphorus. <p>A total savings of 119.15 T/yr sediment, 558.71 T/yr soil & 119.66lbs/yr phosphorus.</p> <p>The total eligible costs for these projects was \$37,058.55. Cost share assistance totaled \$22,104.00 & landowners' portion was \$14,954.55.</p> <p>CY17 675 LF of waterway was installed. Saves 2.01 T/yr. sediment, 11.48 T/yr. soil & 2.01 lbs/yr phosphorus. The total eligible costs for this project was \$3,452.79. Cost share assistance totaled \$2,475 & landowners' portion was \$977.79.</p> <p>\$1,725 is allocated for a grade stab.</p> <p>During CY17 3 waterways & 1 grade stab project cancelled. \$6,806.25 has not been allocated. Funds available \$8,531.25.</p> <p>CY2018 1 grade stab was installed. Saves 13.6 T/yr. soil, 4.76 T/yr. sediment, 4.76 lbs/yr phosphorus. Total eligible costs \$2,700 Cost share assistance totaled \$1,725 & landowner portion \$975.</p> <p>Remaining cost share \$6,806.25 has been moved to new activity for Hendel waterways.</p>		

Activity Action - Troendle, Ed - 02FY16LC - Grassed Waterway			
Practice	412 - Grassed Waterway and Swales	Count of Activities	2
Description	Two grassed waterways with a Rock Crossing (578) have been approved for funding.		
Proposed Size / Units	925.00 LINEAR FEET	Lifespan	10 Years
Actual Size/Units	1,025.00 LINEAR FEET	Installed Date	13-Jul-16
Mapped Activities	2 Polygon(s)		

Final Indicator for Troendle, Ed - 02FY16LC - Grassed Waterway

Indicator Name	SOIL (EST. SAVINGS)	Value	17.85
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	Waterloo/Bear Creek Basin		

Final Indicator for Troendle, Ed - 02FY16LC - Grassed Waterway

Indicator Name	SEDIMENT (TSS)	Value	17.85
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	Waterloo/Bear Creek Basin		

Final Indicator for Troendle, Ed - 02FY16LC - Grassed Waterway

Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	17.85
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	Waterloo/Bear Creek Basin		

Final Indicator for Troendle, Ed - 02FY16LC - Grassed Waterway

Indicator Name	SOIL (EST. SAVINGS)	Value	7.65
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	Waterloo/Bear Creek Basin		

Final Indicator for Troendle, Ed - 02FY16LC - Grassed Waterway

Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	7.65
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	Waterloo/Bear Creek Basin		

Final Indicator for Troendle, Ed - 02FY16LC - Grassed Waterway

Indicator Name	SEDIMENT (TSS)	Value	7.65
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)

Waterbody	Waterloo/Bear Creek Basin
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Activity Action - Hagen, Paul - 04FY16LC - Terrace			
Practice	600 - Terrace	Count of Activities	1
Description	Terrace (600) was approved for funding.		
Proposed Size / Units	1,900.00 LINEAR FEET	Lifespan	10 Years
Actual Size/Units	1,900.00 LINEAR FEET	Installed Date	30-Dec-16
Mapped Activities	1 Polygon(s)		

Final Indicator for Hagen, Paul - 04FY16LC - Terrace			
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Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	3.86
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	Waterloo/Bear Creek Basin		

Final Indicator for Hagen, Paul - 04FY16LC - Terrace			
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Indicator Name	SEDIMENT (TSS)	Value	2.51
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	Waterloo/Bear Creek Basin		

Final Indicator for Hagen, Paul - 04FY16LC - Terrace			
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Indicator Name	SOIL (EST. SAVINGS)	Value	8.83
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	Waterloo/Bear Creek Basin		

Activity Action - Schulte Farms PTR LLC - 03FY16LC - Critical Area Planting			
Practice	342 - Critical Area Planting	Count of Activities	3
Description	Critical Area Plantings (342) funded. Parallel to grassed waterways that were previously installed to slow city storm water run-off and control soil erosion.		
Proposed Size / Units	0.70 AC	Lifespan	10 Years
Actual Size/Units	1.20 AC	Installed Date	14-Sep-16
Mapped Activities	3 Polygon(s)		

Final Indicator for Schulte Farms PTR LLC - 03FY16LC - Critical Area Planting			
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Indicator Name	SOIL (EST. SAVINGS)	Value	530.06
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	Root River Basin		

Final Indicator for Schulte Farms PTR LLC - 03FY16LC - Critical Area Planting			
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Indicator Name	SEDIMENT (TSS)	Value	92.76
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Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	Root River Basin		
Final Indicator for Schulte Farms PTR LLC - 03FY16LC - Critical Area Planting			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	92.76
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	Root River Basin		

Activity Action - Meiners, Dana - 05FY16LC - Grassed Waterways			
Practice	412 - Grassed Waterway and Swales	Count of Activities	2
Description	Pre-construction waterways do not have stable outlet. There is a small gully growing into the ends of the existing waterways. Gully is being treated by shaping and seeding and by installing a grassed waterway to a stable outlet.		
Proposed Size / Units	600.00 LINEAR FEET	Lifespan	10 Years
Actual Size/Units	675.00 LINEAR FEET	Installed Date	9-Jun-17
Mapped Activities	2 Polygon(s)		

Final Indicator for Meiners, Dana - 05FY16LC - Grassed Waterways			
Indicator Name	SEDIMENT (TSS)	Value	2.01
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	Reno Mississippi Basin		
Final Indicator for Meiners, Dana - 05FY16LC - Grassed Waterways			
Indicator Name	SOIL (EST. SAVINGS)	Value	11.48
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	Reno Mississippi Basin		
Final Indicator for Meiners, Dana - 05FY16LC - Grassed Waterways			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	2.01
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	Reno Mississippi Basin		

Activity Action - Vix, Lorayne - 06FY16LC - Grade Stabilization Structure			
Practice	410 - Grade Stabilization Structure	Count of Activities	1
Description	Gully forming on the edge of field. Grade Stabilization Structure with a diversion to direct some concentrated flow into the structure.		
Proposed Size / Units	1.00 COUNT	Lifespan	10 Years
Actual Size/Units	1.00 COUNT	Installed Date	11-Jan-18
Mapped Activities	1 Point(s)		

Final Indicator for Vix, Lorayne - 06FY16LC - Grade Stabilization Structure

Indicator Name	SOIL (EST. SAVINGS)	Value	13.6
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	South Fork Root River		

Final Indicator for Vix, Lorayne - 06FY16LC - Grade Stabilization Structure

Indicator Name	SEDIMENT (TSS)	Value	4.76
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	South Fork Root River		

Final Indicator for Vix, Lorayne - 06FY16LC - Grade Stabilization Structure

Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	4.76
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	South Fork Root River		

Description

Houston County Comprehensive Local Water Management Plan

Funds will be used to hire a qualified individual to work with landowners to inventory and evaluate resource concerns and implement conservation practices on property in Houston County.

Category	TECHNICAL/ENGINEERING ASSISTANCE		
Start Date	10-Mar-16	End Date	21-Dec-17
Has Rates and Hours?	Yes		
Actual Results	<p>CY16 77.2185 hrs used by tech staff attending mtgs, training & developing educational Powerpoint. This totals 3,173.36. Asst Mgr 55.5 hrs @ 43.94 = 2,438.67 Tech 21.7685 hrs @ 33.75 = 734.69</p> <p>CY16 546 hrs dedicated to tech/eng services = 20,990.67 Dist Mgr 4 hrs @ 53.01 = 212.04 Dist Mgr 134 hrs @ 50.25 = 6,733.50 Asst Mgr 27 hrs @ 43.94 = 1,186.38 Techs 381 hrs @ 33.75 = 12,858.75</p> <p>Federal funded projects:</p> <ul style="list-style-type: none"> - 2 Terraces treated 11.2 ac saving 3.86 T/yr soil, 1.71 T/yr sediment, 2.85 lb/yr phosphorus - Sinkhole treated with a 6.2 ac drainage area - 3 Grade Stab Structure treated 7.1 ac saving 268.82 T/yr soil, 30.02 T/yr sediment, 46.02 lb/yr phosphorus - Cover Crop treated 96.2 ac saving 327.08 T/yr soil, 29.47 T/yr sediment, 43.4 lb/yr phosphorus - Diversion treated 3 ac saving 4.25 T/yr soil, 4.25 T/yr sediment, 4.25 lb/yr phosphorus - Stream bank treated 0.5 ac saving 44.2 T/yr soil, 44.2 T/yr sediment, 44.2 lb/yr phosphorus <p>This totals 153.75 treated ac. Pollution reduction is a savings 816.31 T/yr soil, 445.11 T/yr sediment, 440.03 lb/yr phosphorus. Cost estimate for completed projects 120,083.92, landowner costs 9,224.85</p> <p>Technical assistance provided for landowner funded project</p> <ul style="list-style-type: none"> - Strips on 4 fields treating 35 ac saving 168.1 T/yr soil, 327.46 T/yr sediment, 299.31 lb/yr phosphorus <p>Currently 9 projects in design stage, 2 projects cancelled & needs assessed for an additional 19 landowners.</p> <p>CY17 1,125.69 = Mileage & 29,910.28 Wages</p> <p>Technical time contributed to completing 73.2 cover crop ac, 2 Grade Stab, 4.7 ac waterway; 2 sinkholes; 2 obstruction removal; 1 Critical Area Planting all federal funded. 184.5 ac of strips & 1 grade stab repair completed with no funding asst & 675 LF of waterway & 227.777777 ac cover crop installed with cost share asst. Needs assessed for 25 landowners & 16 projects pending. See attached PDF for details.</p>		

Grant Activity - Soil Erosion - Technology/Equipment

Description	Houston County Comprehensive Local Water Management Plan		
	Funds will be used to purchase computer hardware/software for new technical positions, as well as, enhance current technology for existing staff.		
	Funds may be used for other office or technical equipment upgrades.		
Category	SUPPLIES/EQUIPMENT		
Start Date	10-Mar-16	End Date	13-Sep-18
Has Rates and Hours?	No		
Actual Results	In CY16 one computer, Lenovo Desktop TC M9000, was purchased for \$629.00.		
	Funds available \$5,171.00 During CY17 no funds were expended.		
	CY2018 \$4,050.00 was expended for (3) ArcGIS Desktop Basic Single Use Licenses and \$1,121.00 was expended for a Lenovo ThinkPad X1 Yoga laptop computer.		

Grant Activity - Soil Erosion - Vehicle

Description	Houston County Comprehensive Local Water Management Plan		
	Funds will be used to aid in the purchase of a vehicle. The vehicle will be used by SWCD staff to attend meetings, trainings and to work with landowners to implement conservation practices on their property within Houston County.		
Category	SUPPLIES/EQUIPMENT		
Start Date	10-Mar-16	End Date	14-Jul-17
Has Rates and Hours?	No		
Actual Results	In CY16 no funds were expended for a vehicle.		
	In CY17 funds in the amount of \$27,226.75 were expended for a vehicle. See Expenditures.		

Grant Attachments

Document Name	Document Type	Description
2016 SWCD Local Capacity Services	Grant Agreement	2016 SWCD Local Capacity Services - Root River SWCD
2016 SWCD Local Capacity Services executed	Grant Agreement	2016 SWCD Local Capacity Services - Root River SWCD
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/22/2018
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 12/29/2017
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 08/01/2016
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 10/11/2018
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 02/15/2017
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 02/14/2017
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 08/01/2016
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 10/12/2018
Amendment executed	Grant Agreement	2016 SWCD Local Capacity Services - Root River SWCD
FY16 Local Capacity Financial Report	Grant	2016 - SWCD Local Capacity Services (Root River SWCD)
FY16 Local Capacity Reconciliation Financial Report	Grant	2016 - SWCD Local Capacity Services (Root River SWCD)
FY16 Local Capacity Technical - 2016 Hours & Projects	Grant	2016 - SWCD Local Capacity Services (Root River SWCD)
FY16 Local Capacity Technical - 2017 Completed, Pending, I & E Projects & Hours	Grant	2016 - SWCD Local Capacity Services (Root River SWCD)
FY16 Local Capacity Technical - Grant (2016 & 2017) Completed, Pending, I & E Projects & Hours	Grant	2016 - SWCD Local Capacity Services (Root River SWCD)
FY16 Local Capacity Technical 2016 Hours & Projects	Grant	2016 - SWCD Local Capacity Services (Root River SWCD)
P16-6417 Checklist	Journal	Journal Dated - 08/11/2017
RRSWCD Amendment Local Capacity Grant	Grant	2016 - SWCD Local Capacity Services (Root River SWCD)
SWCD Capacity Amendment - Root River SWCD.docx	Grant	2016 - SWCD Local Capacity Services (Root River SWCD)
Work Plan	Workflow Generated	Workflow Generated - Work Plan - 07/05/2018
Work Plan	Workflow Generated	Workflow Generated - Work Plan - 07/17/2017
Work Plan	Workflow Generated	Workflow Generated - Work Plan - 02/15/2017
Work Plan	Workflow Generated	Workflow Generated - Work Plan - 08/02/2016
Work Plan	Workflow Generated	Workflow Generated - Work Plan - 07/15/2016
Work Plan	Workflow Generated	Workflow Generated - Work Plan - 11/30/2015