BWSR

Grant All-Detail Report
SWCD Local Capacity Services 2017

Grant Title - 2017 - SWCD Local Capacity Services (Root River SWCD)
Grant ID - P17-0866
Organization - Root River SWCD

Original Awarded Amount	**$100,000.00**	**Grant Execution Date**	**2/2/2017**
Required Match Amount	$0.00	**Original Grant End Date**	12/31/2019
Required Match %	0%	**Grant Day To Day Contact**	Janice Messner
Current Awarded Amount	$100,000.00	**Current End Date**	12/31/2019

Budget Summary

	Budgeted	Spent	Balance Remaining*
Total Grant Amount	$100,000.00	$100,000.00	$0.00
Total Match Amount	$0.00	$0.00	$0.00
Total Other Funds	$2,700.00	$2,700.00	$0.00
Total	**$102,700.00**	**$102,700.00**	**$0.00**

**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 Cover Crop - Hoscheit, C.	Non-Structural Management Practices	Other Funds	2017 - State Cost-Share Fund (Root River SWCD)	$625.68	$625.68	11/8/2018	N
Cost Share Cover Crop - Hoscheit, C.	Non-Structural Management Practices	Other Funds	2018 - SWCD Local Capacity Services (Root River SWCD)	$2,074.32	$2,074.32	11/8/2018	N

Activity Name	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction Date	Matching Fund
Riparian Management - 2017 Technician	Technical/Engineering Assistance	Current State Grant	2017 - SWCD Local Capacity Services (Root River SWCD)	$6,152.70	$6,152.70	12/29/2017	N
Riparian Management - Cost Share Assistance	Streambank or Shoreline Protection	Current State Grant	2017 - SWCD Local Capacity Services (Root River SWCD)	$0.00			N
Soil Erosion - 2017 Administration	Administration /Coordination	Current State Grant	2017 - SWCD Local Capacity Services (Root River SWCD)	$4,000.00	$4,000.00	6/22/2018	N
Soil Erosion - 2017 Cost Share Assistance	Agricultural Practices	Current State Grant	2017 - SWCD Local Capacity Services (Root River SWCD)	$17,329.04	$17,329.04	10/10/2019	N
Soil Erosion - 2017 Cover Crop Cost Share Assistance	Agricultural Practices	Current State Grant	2017 - SWCD Local Capacity Services (Root River SWCD)	$25,000.00	$25,000.00	11/9/2017	N
Soil Erosion - 2017 Equipment/Supplies	Supplies/Equipment	Current State Grant	2017 - SWCD Local Capacity Services (Root River SWCD)	$763.25	$763.25	11/8/2018	N
Soil Erosion - 2017 Technician	Technical/Engineering Assistance	Current State Grant	2017 - SWCD Local Capacity Services (Root River SWCD)	$46,755.01	$46,755.01	10/13/2018	N

Activity Details Summary

Activity Details	Total Action Count	Total Activity Mapped	Proposed Size / Unit	Actual Size / Unit
412 - Grassed Waterway and Swales	1	1	375 LINEAR FEET	375 LINEAR FEET
340 - Cover Crop	1	2	12.77777778 AC	12.77777778 AC
362 - Diversion	1	1	367 LINEAR FEET	370 LINEAR FEET
412 - Grassed Waterway and Swales	1	1	450 LINEAR FEET	450 LINEAR FEET
412 - Grassed Waterway and Swales	2	2	625 LINEAR FEET	625 LINEAR FEET
362 - Diversion	2	2	905 LINEAR FEET	960 LINEAR FEET
340 - Cover Crop	1	3	25 AC	25 AC
340 - Cover Crop	9	29	30 AC	30 AC
468 - Lined Waterway or Outlet	1	1	467 LINEAR FEET	450 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

Final Indicators Summary

Indicator Name	Total Value	Unit
SOIL (EST. SAVINGS)	742.79	TONS/YR
SEDIMENT (TSS)	344.48	TONS/YR
PHOSPHORUS (EST. REDUCTION)	489.46	LBS/YR

Grant Activity

Grant Activity - Riparian Management - 2017 Technician			
Description	Houston County Water Plan and the Root River One Watershed, One Plan. This is a continuation of grant funding for SWCD staff time from the National Fish and Wildlife Foundation, which expired at the end of 2015, to work with landowners and provide technical assistance to reduce sediment and nutrient pollution in receiving waters, including the Mississippi River. Without the use of the Capacity funds, this work would not get done.		
Category	TECHNICAL/ENGINEERING ASSISTANCE		
Start Date	10-Feb-17	**End Date**	14-Sep-18
Has Rates and Hours?	Yes		
Actual Results	CY17 $6,152.70 was expended. Work consisted of 50.8875 hrs on waivers, 4 hrs RUSLE & BuffCat, 1 hr informing a landowner, 17.5 hrs checking buffers, 72.0156 hrs flagging buffers & 5 hrs doing survey. Mileage 1,354 @ $0.285 2017 IRS rate = 385.89 & 117 @ $0.535 = 62.60 Tech Jean 85.3875 hrs @ 30.91= 2,639.33 Tech Dan 21 hrs @ 34.84 = 731.64 Asst Man Bob 3 hrs @ 49.72 = 149.16 Dist Man Dave 41.0156 hrs @ 53.25 = 2,184.08 Total of $8,847.31 is available. CY18 remaining funds were amended to Soil Erosion - 2017 Technical.		

Grant Activity - Riparian Management - Cost Share Assistance			
Description	Houston County Water Plan and the Root River One Watershed, One Plan. Funds will be used to cost share on the installation of various riparian BMPs, within Houston County, consistent with the BWSR State Cost Share Program Policy.		
Category	STREAMBANK OR SHORELINE PROTECTION		
Start Date	10-Feb-17	**End Date**	28-Aug-18
Has Rates and Hours?	No		
Actual Results	CY2018 - Funds were amended to Soil Erosion - 2017 Equipment/Supplies = $763.25; Soil Erosion - 2017 Technician = $6,907.71. Sufficient riparian cost share funding was made available through the 2018 Buffer Cost Share Grant.		

Grant Activity - Soil Erosion - 2017 Administration			
Description	Houston County Water Plan and the Root River One Watershed, One 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, training (engineering, ecological science practices and other training of programs run through the district) and coordinate activities associated with this grant, such as updating the SWCD Board on the progress of grant activities.		
Category	ADMINISTRATION/COORDINATION		
Start Date	10-Feb-17	**End Date**	22-Jun-18
Has Rates and Hours?	Yes		
Actual Results	CY17 $3,448.60 was expended. 57.5 hrs were dedicated to training & webinars; 9.72011 hrs eLink reporting, cover crop admin. an additional 20 hrs creating PowerPoint & additional reporting on flood event of Sept 2016. Tech Dan 9 hrs @ 34.84 = 313.56 Tech Jean 35.5 hrs @ 30.91= 1,097.31 Asst Man Bob 33 hrs @ 49.72 = 1,640.76 Admin Janice 9.72011 @ 40.84 = 396.97 $551.41 remains available. 2018: Time was used for training and eLink Tech Jean 8.5 hrs @ 31.75 = 269.88 Asst Man Bob 5 hrs @ 49.88 = 249.40 Admin Janice 0.7838 hrs @ 40.99 = 32.12.		

Grant Activity - Soil Erosion - 2017 Cost Share Assistance			
Description	Houston County Water Plan and the Root River One Watershed, One Plan. Funds will be used to cost share on the installation of various BMPs, within Houston County, consistent with the BWSR State Cost Share Program Policy. BMPs will consist of but not limited to, Grassed Waterways (412), Grade Stabilization Structures (410), Critical Area Plantings (342).		
Category	AGRICULTURAL PRACTICES		
Start Date	10-Feb-17	**End Date**	10-Oct-19
Has Rates and Hours?	No		
Actual Results	CY17 & CY18 no funds have been expended. Funds have been allocated for four projects in the amount of $6,155.03. CY19 $17,329.04 has been expended. 1,330 linear feet of diversions were installed which assisted two landowners. 1,450 linear feet of grassed waterways and 450 linear feet of lined waterway were installed assisting four landowners. Also one grade stabilization structure was installed. Each landowner was concerned with the soil erosion that was occurring on their property. These projects will produce an estimated soil savings of 84.63 tons/yr., sediment (TSS) 115.5 tons/yr and estimated phosphorus reduction of 86.87 lbs/yr.		

Activity Action - Beckman, L. C.			
Practice	362 - Diversion	**Count of Activities**	1
Description	Landowner would like to control concentrated flow coming off his field and lawn that runs through the manure feedlot. A good BMP would be a diversion.		
Proposed Size / Units	367.00 LINEAR FEET	**Lifespan**	10 Years
Actual Size/Units	370.00 LINEAR FEET	**Installed Date**	10-Oct-19
Mapped Activities	1 Line(s)		

Final Indicator for Beckman, L. C.			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	**Value**	4.04
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	**Calculation Tool**	BWSR CALC (SHEET AND RILL)
Waterbody	Root River		

Final Indicator for Beckman, L. C.			
Indicator Name	SOIL (EST. SAVINGS)	**Value**	.75
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	**Calculation Tool**	BWSR CALC (SHEET AND RILL)

Waterbody	Root River		
Final Indicator for Beckman, L. C.			
Indicator Name	SEDIMENT (TSS)	**Value**	2.79
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	**Calculation Tool**	BWSR CALC (SHEET AND RILL)
Waterbody	Root River		

Activity Action - Boyum, R.			
Practice	362 - Diversion	**Count of Activities**	2
Description	Landowner would like to control gully erosion along hillside. A diversion would be a good BMP to reduce soil loss and water pollution.		
Proposed Size / Units	905.00 LINEAR FEET	**Lifespan**	10 Years
Actual Size/Units	960.00 LINEAR FEET	**Installed Date**	12-Sep-19
Mapped Activities	2 Line(s)		

Final Indicator for Boyum, R.			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	**Value**	3.32
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	**Calculation Tool**	BWSR CALC (SHEET AND RILL)
Waterbody	Root River		
Final Indicator for Boyum, R.			
Indicator Name	SOIL (EST. SAVINGS)	**Value**	1.23
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	**Calculation Tool**	BWSR CALC (SHEET AND RILL)
Waterbody	Root River		
Final Indicator for Boyum, R.			
Indicator Name	SEDIMENT (TSS)	**Value**	2.33
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	**Calculation Tool**	BWSR CALC (SHEET AND RILL)
Waterbody	Root River		

Activity Action - Guth, O.			
Practice	412 - Grassed Waterway and Swales	**Count of Activities**	2
Description	Gully erosion in the field. Landowner would like to control soil lass and water pollution. A fitting BMP for this would be grassed waterways.		
Proposed Size / Units	625.00 LINEAR FEET	**Lifespan**	10 Years
Actual Size/Units	625.00 LINEAR FEET	**Installed Date**	11-Jul-19
Mapped Activities	2 Polygon(s)		

Final Indicator for Guth, O.			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	**Value**	21.17
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	**Calculation Tool**	BWSR CALC (GULLY STABILIZATION)
Waterbody	Root River Basin		
Final Indicator for Guth, O.			
Indicator Name	SEDIMENT (TSS)	**Value**	21.17
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	**Calculation Tool**	BWSR CALC (GULLY STABILIZATION)
Waterbody	Root River Basin		
Final Indicator for Guth, O.			
Indicator Name	SOIL (EST. SAVINGS)	**Value**	42.33
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	**Calculation Tool**	BWSR CALC (GULLY STABILIZATION)
Waterbody	Root River Basin		

Activity Action - Schmidt, M.			
Practice	412 - Grassed Waterway and Swales	**Count of Activities**	1
Description	Meandering gully erosion present in concentrated flow area. Landowner would like to eliminate gully erosion by installing a grassed waterway (412).		
Proposed Size / Units	375.00 LINEAR FEET	**Lifespan**	10 Years
Actual Size/Units	375.00 LINEAR FEET	**Installed Date**	11-Jul-19
Mapped Activities	1 Polygon(s)		

Final Indicator for Schmidt, M.			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	**Value**	38.25
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	**Calculation Tool**	BWSR CALC (GULLY STABILIZATION)
Waterbody	Riceford Creek		
Final Indicator for Schmidt, M.			
Indicator Name	SEDIMENT (TSS)	**Value**	38.25
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	**Calculation Tool**	BWSR CALC (GULLY STABILIZATION)
Waterbody	Riceford Creek		
Final Indicator for Schmidt, M.			
Indicator Name	SOIL (EST. SAVINGS)	**Value**	38.25

Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	**Calculation Tool**	BWSR CALC (GULLY STABILIZATION)
Waterbody	Riceford Creek		

Activity Action - Hammell, A.			
Practice	412 - Grassed Waterway and Swales	**Count of Activities**	1
Description	Waterway bottom channel has gullies and no longer has a grass cover. A fitting BMP for this would be a grassed waterway and critical area planting.		
Proposed Size / Units	450.00 LINEAR FEET	**Lifespan**	10 Years
Actual Size/Units	450.00 LINEAR FEET	**Installed Date**	11-Jul-19
Mapped Activities	1 Polygon(s)		

Final Indicator for Hammell, A.			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	**Value**	4.25
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	**Calculation Tool**	BWSR CALC (GULLY STABILIZATION)
Waterbody	Crooked Creek		
Final Indicator for Hammell, A.			
Indicator Name	SEDIMENT (TSS)	**Value**	4.25
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	**Calculation Tool**	BWSR CALC (GULLY STABILIZATION)
Waterbody	Crooked Creek		
Final Indicator for Hammell, A.			
Indicator Name	SOIL (EST. SAVINGS)	**Value**	8.5
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	**Calculation Tool**	BWSR CALC (GULLY STABILIZATION)
Waterbody	Crooked Creek		

Activity Action - Walker, Jr., H			
Practice	468 - Lined Waterway or Outlet	**Count of Activities**	1
Description	Landowner has gully erosion in a consentrated flow area. A fitting BMP for this would be a waterway.		
Proposed Size / Units	467.00 LINEAR FEET	**Lifespan**	10 Years
Actual Size/Units	450.00 LINEAR FEET	**Installed Date**	10-Oct-19
Mapped Activities	1 Line(s)		

Final Indicator for Walker, Jr., H			
Indicator Name	SOIL (EST. SAVINGS)	Value	17.21
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	Pine Creek		
Final Indicator for Walker, Jr., H			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	8.61
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	Pine Creek		
Final Indicator for Walker, Jr., H			
Indicator Name	SEDIMENT (TSS)	Value	8.61
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	Pine Creek		

Activity Action - Nelson, C.			
Practice	410 - Grade Stabilization Structure	Count of Activities	1
Description	Landowner would like to control the gully head and reduce soil erosion. An assessment of the contributing watershed shows that at least 75% is less than T.		
Proposed Size / Units	1.00 COUNT	Lifespan	10 Years
Actual Size/Units	1.00 COUNT	Installed Date	12-Sep-19
Mapped Activities	1 Point(s)		

Final Indicator for Nelson, C.			
Indicator Name	SOIL (EST. SAVINGS)	Value	7.23
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	South Fork Root River		
Final Indicator for Nelson, C.			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	7.23
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	South Fork Root River		
Final Indicator for Nelson, C.			
Indicator Name	SEDIMENT (TSS)	Value	7.23

Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	**Calculation Tool**	BWSR CALC (GULLY STABILIZATION)
Waterbody	south Fork Root River		

Grant Activity - Soil Erosion - 2017 Cover Crop Cost Share Assistance			
Description	Houston County Water Plan and the Root River One Watershed, One Plan. Funds will be used to cost share on the installation of cover crops, within Houston County. Cost sharing will follow the Local Cost Share Policy and the Nonstructural Land Management Practices Implementation Plan that has been approved by the Area 7 Board Conservationist and the SWCD Board. A cap of 30 acres per landowner/operator is being imposed. Cost share payment will be set at $30.00/acre.		
Category	AGRICULTURAL PRACTICES		
Start Date	10-Feb-17	**End Date**	09-Nov-17
Has Rates and Hours?	No		
Actual Results	Landowners wanted to improve their soil health and reduce sheet & rill erosion in their fields. This is being accomplished through planting cover crops. A total of 277.7 were planted of which 52.5 acres were winter wheat and 225.2 acres were winter rye. The estimated soil savings is 351.29 ton per year. The sediment (TSS) is 237.76 tons per year. The estimated phosphorus reduction is 372.35 pounds per year.		

Activity Action - Kohlmeyer, L.			
Practice	340 - Cover Crop	**Count of Activities**	1
Description	30 acres of winter wheat was planted.		
Proposed Size / Units	30.00 AC	**Lifespan**	3 Years
Actual Size/Units	30.00 AC	**Installed Date**	23-Oct-17
Mapped Activities	6 Polygon(s)		

Final Indicator for Kohlmeyer, L.			
Indicator Name	SEDIMENT (TSS)	**Value**	2.58
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	**Calculation Tool**	BWSR CALC (SHEET AND RILL)
Waterbody	South Fork Root River		
Final Indicator for Kohlmeyer, L.			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	**Value**	3.76

Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	**Calculation Tool**	BWSR CALC (SHEET AND RILL)
Waterbody	South Fork Root River		
Final Indicator for Kohlmeyer, L.			
Indicator Name	SOIL (EST. SAVINGS)	**Value**	15
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	**Calculation Tool**	BWSR CALC (SHEET AND RILL)
Waterbody	South Fork Root River		

Activity Action - Hendel, K.			
Practice	340 - Cover Crop	**Count of Activities**	1
Description	30 acres of winter rye was planted.		
Proposed Size / Units	30.00 AC	**Lifespan**	3 Years
Actual Size/Units	30.00 AC	**Installed Date**	13-Oct-17
Mapped Activities	2 Polygon(s)		

Final Indicator for Hendel, K.			
Indicator Name	SOIL (EST. SAVINGS)	**Value**	9
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	**Calculation Tool**	BWSR CALC (SHEET AND RILL)
Waterbody	South Fork Root River		
Final Indicator for Hendel, K.			
Indicator Name	SEDIMENT (TSS)	**Value**	6.77
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	**Calculation Tool**	BWSR CALC (SHEET AND RILL)
Waterbody	South Fork Root River		
Final Indicator for Hendel, K.			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	**Value**	11.96
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	**Calculation Tool**	BWSR CALC (SHEET AND RILL)
Waterbody	South Fork Root River		

Activity Action - Mierau, R.			
Practice	340 - Cover Crop	**Count of Activities**	1
Description	30 acres were planted consisting of 75% winter wheat and 25% winter rye.		
Proposed Size / Units	30.00 AC	**Lifespan**	3 Years
Actual Size/Units	30.00 AC	**Installed Date**	23-Oct-17
Mapped Activities	1 Polygon(s)		

Final Indicator for Mierau, R.			
Indicator Name	SOIL (EST. SAVINGS)	**Value**	27
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	**Calculation Tool**	BWSR CALC (SHEET AND RILL)

Waterbody	South Fork Root River		
Final Indicator for Mierau, R.			
Indicator Name	SEDIMENT (TSS)	**Value**	3.48
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	**Calculation Tool**	BWSR CALC (SHEET AND RILL)
Waterbody	South Fork Root River		
Final Indicator for Mierau, R.			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	**Value**	5.57
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	**Calculation Tool**	BWSR CALC (SHEET AND RILL)
Waterbody	South Fork Root River		

Activity Action - Miller, J.			
Practice	340 - Cover Crop	**Count of Activities**	1
Description	12.7777778 acres of winter rye was planted.		
Proposed Size / Units	12.78 AC	**Lifespan**	3 Years
Actual Size/Units	12.78 AC	**Installed Date**	17-Oct-17
Mapped Activities	2 Polygon(s)		

Final Indicator for Miller, J.			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	**Value**	92.49
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	**Calculation Tool**	BWSR CALC (SHEET AND RILL)
Waterbody	Mormon Creek Mississippi River		
Final Indicator for Miller, J.			
Indicator Name	SEDIMENT (TSS)	**Value**	53.09
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	**Calculation Tool**	BWSR CALC (SHEET AND RILL)
Waterbody	Mormon Creek Mississippi River		
Final Indicator for Miller, J.			
Indicator Name	SOIL (EST. SAVINGS)	**Value**	36.29
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	**Calculation Tool**	BWSR CALC (SHEET AND RILL)
Waterbody	Mormon Creek Mississippi River		

Activity Action - Meyer, J.			
Practice	340 - Cover Crop	**Count of Activities**	1
Description	30 acres of winter rye was planted.		
Proposed Size / Units	30.00 AC	**Lifespan**	3 Years
Actual Size/Units	30.00 AC	**Installed Date**	26-Oct-17
Mapped Activities	2 Polygon(s)		

Final Indicator for Meyer, J.			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	63.91
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	Winnebago Creek		
Final Indicator for Meyer, J.			
Indicator Name	SOIL (EST. SAVINGS)	Value	39
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	Winnebago Creek		
Final Indicator for Meyer, J.			
Indicator Name	SEDIMENT (TSS)	Value	40.83
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	Winnebago Creek		

Activity Action - Meyer, L.			
Practice	340 - Cover Crop	Count of Activities	1
Description	30 acres of winter rye was planted.		
Proposed Size / Units	30.00 AC	Lifespan	3 Years
Actual Size/Units	30.00 AC	Installed Date	26-Oct-17
Mapped Activities	4 Polygon(s)		

Final Indicator for Meyer, L.			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	55
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	Winnebago Creek		
Final Indicator for Meyer, L.			
Indicator Name	SEDIMENT (TSS)	Value	34.38
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	Winnebago Creek		
Final Indicator for Meyer, L.			
Indicator Name	SOIL (EST. SAVINGS)	Value	24
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	Winnebago Creek		

Activity Action - Schroeder, J.			
Practice	340 - Cover Crop	Count of Activities	1
Description	30 acres of winter rye was planted.		
Proposed Size / Units	30.00 AC	Lifespan	3 Years
Actual Size/Units	30.00 AC	Installed Date	31-Oct-17
Mapped Activities	4 Polygon(s)		

Final Indicator for Schroeder, J.			
Indicator Name	SOIL (EST. SAVINGS)	Value	48
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	Crooked Creek		
Final Indicator for Schroeder, J.			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	28.78
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	Crooked Creek		
Final Indicator for Schroeder, J.			
Indicator Name	SEDIMENT (TSS)	Value	19.69
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	Crooked Creek		

Activity Action - Burrichter, Matt			
Practice	340 - Cover Crop	Count of Activities	1
Description	25 acres of winter rye were planted.		
Proposed Size / Units	25.00 AC	Lifespan	3 Years
Actual Size/Units	25.00 AC	Installed Date	25-Oct-17
Mapped Activities	3 Polygon(s)		

Final Indicator for Burrichter, Matt			
Indicator Name	SOIL (EST. SAVINGS)	Value	69
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	Winnebago Creek		
Final Indicator for Burrichter, Matt			
Indicator Name	SEDIMENT (TSS)	Value	26.67
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	Winnebago Creek		
Final Indicator for Burrichter, Matt			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	38.08

Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	**Calculation Tool**	BWSR CALC (SHEET AND RILL)
Waterbody	Winnebago Creek		

Activity Action - Graf, M.			
Practice	340 - Cover Crop	**Count of Activities**	1
Description	30 acres of winter rye was planted.		
Proposed Size / Units	30.00 AC	**Lifespan**	3 Years
Actual Size/Units	30.00 AC	**Installed Date**	1-Nov-17
Mapped Activities	4 Polygon(s)		

Final Indicator for Graf, M.			
Indicator Name	SOIL (EST. SAVINGS)	**Value**	51
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	**Calculation Tool**	BWSR CALC (SHEET AND RILL)
Waterbody	Mormon Creek - Mississippi River		
Final Indicator for Graf, M.			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	**Value**	42.43
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	**Calculation Tool**	BWSR CALC (SHEET AND RILL)
Waterbody	Mormon Creek - Mississippi River		
Final Indicator for Graf, M.			
Indicator Name	SEDIMENT (TSS)	**Value**	29.22
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	**Calculation Tool**	BWSR CALC (SHEET AND RILL)
Waterbody	Mormon Creek - Mississippi River		

Activity Action - Mauss, K.			
Practice	340 - Cover Crop	**Count of Activities**	1
Description			
Proposed Size / Units	30.00 AC	**Lifespan**	3 Years
Actual Size/Units	30.00 AC	**Installed Date**	25-Oct-17
Mapped Activities	5 Polygon(s)		

Final Indicator for Mauss, K.			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	**Value**	30.37
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	**Calculation Tool**	BWSR CALC (SHEET AND RILL)
Waterbody	Root River		
Final Indicator for Mauss, K.			
Indicator Name	SOIL (EST. SAVINGS)	**Value**	33
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	**Calculation Tool**	BWSR CALC (SHEET AND RILL)

Waterbody	Root River		
Final Indicator for Mauss, K.			
Indicator Name	SEDIMENT (TSS)	**Value**	21.05
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	**Calculation Tool**	BWSR CALC (SHEET AND RILL)
Waterbody	Root River		

Grant Activity - Soil Erosion - 2017 Equipment/Supplies			
Description	Funds will be used to purchase a printer.		
Category	SUPPLIES/EQUIPMENT		
Start Date	10-Feb-17	**End Date**	08-Nov-18
Has Rates and Hours?	No		
Actual Results	2018: HP LaserJet Pro MFP M570dn - multi-functional printer (color) Serial #CNCKL6014G was purchased.		

Grant Activity - Soil Erosion - 2017 Technician			
Description	Houston County Water Plan and the Root River One Watershed, One Plan. This is a continuation of grant funding for SWCD staff time from the National Fish and Wildlife Foundation, which expired at the end of 2015, to work with landowners and provide technical assistance to reduce sediment and nutrient pollution in receiving waters, including the Mississippi River. Without the use of the Capacity funds, this work would not get done.		
Category	TECHNICAL/ENGINEERING ASSISTANCE		
Start Date	10-Feb-17	**End Date**	13-Oct-18
Has Rates and Hours?	Yes		
Actual Results	CY17 $8,450.57 was expended. Assistance was provided to 13+ landowners. Survey & design work is being done for 6 of the landowners. I & E was done for 4 landowners that have not advanced to the survey & design stage.1 project was completed in addition to various cover cropping landowners. Tech assist was offered at 2 other locations. See attachment. 367 mi traveled @ 0.535 = 196.35 & 573 mi @ 0.285 = 163.31 Tech Dan 102.8731 hrs @ 34.84 = 3,584.10 Tech Jean 69.5 hrs @ 30.91= 2,148.25 Dist Man Dave 35 hrs @ 53.25 = 1,863.75 Asst Man Bob 9.95193 @ 49.72 = 494.81. Funds available $22,549.43. CY2018: $32,256.23 was expended. Tech Dan 220.1613 hrs @ 35.67 = 7,853.15 Tech Jean 188.5 hrs @ 31.75 = 5,984.88 Dist Man Dave 178.5 hrs @ 53.40 = 9,531.90 Asst Man Bob 162.5 hrs @ 49.88 = 8,105.50 Mileage 857 @ .545 = 467.07 1063.5 @ .295 = 313.73. Funds available 6,048.21 Over the course of the grant 26+ landowners were assisted. Survey/Design was done for 14 landowners. I & E was done for 7 landowners that have not advanced to the survey & design stage.1 project was completed in addition to various cover cropping landowners. Tech assist was offered at 2 other locations. See attachment. Amended funds in the amount of $15,755.01 were added to this activity during CY18. These additional funds allowed site visits and planning to begin for 62 landowners. Projects of interest included cover crop for 16 landowners, 6 diversions, 10 grassed waterways, brush management for 4 landowners, 16 grade stabilization structures, 1 water & sediment control basin, 1 sinkhole, 6 streambank sites, 1 critical area planting, 1 vegetative treatment and worked with one landowner on soil health, one on sod busting and one pasture evaluation.		

Grant Attachments

Document Name	Document Type	Description
2017 SWCD Local Capacity Services	Grant Agreement	2017 SWCD Local Capacity Services - Root River SWCD
2017 SWCD Local Capacity Services executed	Grant Agreement	2017 SWCD Local Capacity Services - Root River SWCD
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 11/15/2019
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/29/2019
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 11/14/2019
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/29/2019
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/16/2019
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/23/2018
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
FY17 Local Capacity Technical Assistance Report	Grant	2017 - SWCD Local Capacity Services (Root River SWCD)
FY17 Local Capacity Technical Assistance Report - Final	Grant	2017 - SWCD Local Capacity Services (Root River SWCD)
Local Capacity FY17 Reconciliation Financial Report	Grant	2017 - SWCD Local Capacity Services (Root River SWCD)
P17-0866 Financial Report SWCD Local Capacity Services	Grant	2017 - SWCD Local Capacity Services (Root River SWCD)
P17-0866 Reconciliation B Checklist	Journal	Journal Dated - 12/17/2018
Work Plan	Workflow Generated	Workflow Generated - Work Plan - 02/01/2017
Work Plan	Workflow Generated	Workflow Generated - Work Plan - 01/25/2017
Work Plan	Workflow Generated	Workflow Generated - Work Plan - 10/24/2017
Work Plan	Workflow Generated	Workflow Generated - Work Plan - 01/05/2017
Work Plan	Workflow Generated	Workflow Generated - Work Plan - 07/19/2018
Work Plan	Workflow Generated	Workflow Generated - Work Plan - 07/16/2018
Work Plan	Workflow Generated	Workflow Generated - Work Plan - 08/28/2018
Work Plan	Workflow Generated	Workflow Generated - Work Plan - 08/23/2018