BWSR

Grant All-Detail Report
Cost Share 2017

Grant Title - 2017 - State Cost-Share Fund (Root River SWCD)
Grant ID - P17-8744
Organization - Root River SWCD

Original Awarded Amount	**$20,901.00**	**Grant Execution Date**	
Required Match Amount	$5,225.25	**Original Grant End Date**	12/31/2018
Required Match %	25%	**Grant Day To Day Contact**	Janice Messner
Current Awarded Amount	$20,901.00	**Current End Date**	12/31/2019

Budget Summary

	Budgeted	Spent	Balance Remaining*
Total Grant Amount	$20,901.00	$20,901.00	$0.00
Total Match Amount	$11,068.27	$11,068.27	$0.00
Total Other Funds	$53,395.61	$53,395.61	$0.00
Total	**$85,364.88**	**$85,364.88**	**$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	Current State Grant	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
Cost Share Grassed Waterway Installation - Hendel, K. (this one)	Agricultural Practices	Current State Grant	2017 - State Cost-Share Fund (Root River SWCD)	$38.21	$38.21	6/14/2018	N
Cost Share Grassed Waterway Installation - Hendel, K. (this one)	Agricultural Practices	Other Funds	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	Other Funds	Landowner Portion	$2,281.49	$2,281.49	6/14/2018	Y
Cover Crop Installation	Non-Structural Management Practices	Current State Grant	2017 - State Cost-Share Fund (Root River SWCD)	$8,550.00	$8,550.00	11/8/2018	N
Critical Area Planting Installation	Agricultural Practices	Current State Grant	2017 - State Cost-Share Fund (Root River SWCD)	$1,721.84	$1,721.84	12/14/2017	N
Critical Area Planting Installation	Agricultural Practices	Landowner Fund	Landowner Portion	$573.94	$573.94	12/14/2017	Y
FY17 Administrative	Administration /Coordination	Current State Grant	2017 - State Cost-Share Fund (Root River SWCD)	$4,180.20	$4,180.20	6/23/2018	N
Grade Stabilization Structure Installation	Agricultural Practices	Current State Grant	2017 - State Cost-Share Fund (Root River SWCD)	$711.97	$711.97	9/12/2019	N
Grade Stabilization Structure Installation	Agricultural Practices	Federal Funds	EQIP	$6,286.29	$6,286.29	7/19/2019	Y
Grade Stabilization Structure Installation	Agricultural Practices	Landowner Fund	Landowner Portion	$2,050.62	$2,050.62	9/12/2019	Y
Grassed Waterway Installation	Agricultural Practices	Current State Grant	2017 - State Cost-Share Fund (Root River SWCD)	$3,778.13	$3,778.13	9/13/2018	N
Grassed Waterway Installation	Agricultural Practices	Landowner Fund	Landowner Portion	$1,725.77	$1,725.77	9/13/2018	Y
Soil Erosion - 2016 Cost Share Assistance	Agricultural Practices	Other Funds	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	Other Funds	2016 Landowner Contribution	$15,929.55	$15,929.55	1/11/2018	Y
Terrace Installation	Agricultural Practices	Current State Grant	2017 - State Cost-Share Fund (Root River SWCD)	$1,294.97	$1,294.97	12/14/2017	N
Terrace Installation	Agricultural Practices	Landowner Fund	Landowner Portion	$431.65	$431.65	12/14/2017	Y

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
600 - Terrace	1	1	1900 LINEAR FEET	1900 LINEAR FEET
412 - Grassed Waterway and Swales	1	1	300 LINEAR FEET	300 LINEAR FEET
580 - Streambank and Shoreline Protection	1	1	475 LINEAR FEET	LINEAR FEET
412 - Grassed Waterway and Swales	2	2	600 LINEAR FEET	675 LINEAR FEET
600 - Terrace	1	1	0.4 AC	0.4 AC
412 - Grassed Waterway and Swales	2	2	750 LINEAR FEET	750 LINEAR FEET
412 - Grassed Waterway and Swales	2	2	925 LINEAR FEET	1025 LINEAR FEET
342 - Critical Area Planting	3	3	0.7 AC	1.2 AC
342 - Critical Area Planting	1	1	0.15 AC	0.45 AC
412 - Grassed Waterway and Swales	4	4	4436 LINEAR FEET	3751 LINEAR FEET
340 - Cover Crop	1	5	5 AC	5 AC
410 - Grade Stabilization Structure	2	2	1 COUNT	1 COUNT
340 - Cover Crop	4	6	30 AC	30 AC

Proposed Activity Indicators

Activity Name	Indicator Name	Value & Units	Waterbody	Calculation Tool	Comments

Final Indicators Summary

Indicator Name	Total Value	Unit
SOIL (EST. SAVINGS)	1,644.44	TONS/YR
SEDIMENT (TSS)	425.21	TONS/YR
PHOSPHORUS (EST. REDUCTION)	472.99	LBS/YR

Grant Activity

Grant Activity - Cost Share Cover Crop - Hoscheit, C.			
Description	Hoscheit, C. - 30 acres of cover crops		
Category	NON-STRUCTURAL MANAGEMENT PRACTICES		
Start Date	12-Jul-18	**End Date**	08-Nov-18
Has Rates and Hours?	No		
Actual Results	Cereal Rye was planted after corn for silage. The cover crop will provide soil erosion protection and build soil organic matter as well as increase soil health.		

Activity Action - Hoscheit, C.			
Practice	340 - Cover Crop	**Count of Activities**	1
Description	Provide soil erosion protection after corn silage harvest while building soil organic matter and increasing soil health.		
Proposed Size / Units	30.00 AC	**Lifespan**	3 Years
Actual Size/Units	30.00 AC	**Installed Date**	8-Nov-18
Mapped Activities	1 Polygon(s)		

Final Indicator for Hoscheit, C.			
Indicator Name	SOIL (EST. SAVINGS)	**Value**	276
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	**Calculation Tool**	BWSR CALC (SHEET AND RILL)
Waterbody	Crooked Creek		

Final Indicator for Hoscheit, C.			
Indicator Name	SEDIMENT (TSS)	**Value**	22.09
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	**Calculation Tool**	BWSR CALC (SHEET AND RILL)
Waterbody	Crooked Creek		

Final Indicator for Hoscheit, C.			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	**Value**	30.24
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	**Calculation Tool**	BWSR CALC (SHEET AND RILL)
Waterbody	Crooked Creek		

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 gullying.		
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**	136.65
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**	91.71
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	91.71
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	South Fork Root River		

Grant Activity - Cover Crop Installation			
Description	Flat rate payments for installation of cover crops, following the SWCD's Nonstructural Land Management Practices Implementation Plan.		
Category	NON-STRUCTURAL MANAGEMENT PRACTICES		
Start Date	12-Jul-18	End Date	08-Nov-18
Has Rates and Hours?	No		
Actual Results	CY18 A combined total of 95 acres were cost shared during fall of 2018 by four landowners. The cover crop will help address sheet and rill erosion for each landowner. All the acres went from corn silage to winter rye.		

Activity Action - Solbrack, D.			
Practice	340 - Cover Crop	Count of Activities	1
Description	Landowner would like to control sheet and rill erosion in his fields. A good practice to achieve this objective is cover crops.		
Proposed Size / Units	30.00 AC	Lifespan	3 Years
Actual Size/Units	30.00 AC	Installed Date	8-Nov-18
Mapped Activities	1 Polygon(s)		

Final Indicator for Solbrack, D.			
Indicator Name	SOIL (EST. SAVINGS)	Value	198
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	South Fork Root River		

Final Indicator for Solbrack, D.			
Indicator Name	SEDIMENT (TSS)	Value	19.58
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	South Fork Root River		

Final Indicator for Solbrack, D.			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	28.09
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)

Waterbody	South Fork Root River

Activity Action - Ingvalson, M.			
Practice	340 - Cover Crop	Count of Activities	1
Description	Landowner would like to control sheet and rill erosion in his fields. A good practice to treat this resource concern is cover crops (340).		
Proposed Size / Units	30.00 AC	Lifespan	3 Years
Actual Size/Units	30.00 AC	Installed Date	8-Nov-18
Mapped Activities	2 Polygon(s)		

Final Indicator for Ingvalson, M.			
Indicator Name	SOIL (EST. SAVINGS)	Value	198
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	South Fork Root River		

Final Indicator for Ingvalson, M.			
Indicator Name	SEDIMENT (TSS)	Value	27.03
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	South Fork Root River		

Final Indicator for Ingvalson, M.			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	37.05
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	South Fork Root River		

Activity Action - Pohlman, B.			
Practice	340 - Cover Crop	Count of Activities	1
Description	Reduce erosion after corn silage harvest by providing ground cover. In addition, soil health benefits and post suppression will be important as the landowner transitions to organic cropping.		
Proposed Size / Units	5.00 AC	Lifespan	3 Years
Actual Size/Units	5.00 AC	Installed Date	8-Nov-18
Mapped Activities	5 Polygon(s)		

Final Indicator for Pohlman, B.			
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	Crooked Creek		

Final Indicator for Pohlman, B.			
Indicator Name	SEDIMENT (TSS)	Value	2.89
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	Crooked Creek		

Final Indicator for Pohlman, B.			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	4.63
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	Crooked Creek		

Activity Action - Houdek, W.			
Practice	340 - Cover Crop	Count of Activities	1
Description	Increase organic matter content of soil and provide soil cover for erosion protection post harvest of corn silage.		
Proposed Size / Units	30.00 AC	Lifespan	3 Years
Actual Size/Units	30.00 AC	Installed Date	8-Nov-18
Mapped Activities	2 Polygon(s)		

Final Indicator for Houdek, W.			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	58.33
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	Crooked Creek		

Final Indicator for Houdek, W.			
Indicator Name	SOIL (EST. SAVINGS)	Value	69.0
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	Crooked Creek		

Final Indicator for Houdek, W.			
Indicator Name	SEDIMENT (TSS)	Value	41.05
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	Crooked Creek		

Grant Activity - Critical Area Planting Installation			
Description	Critical Area Planting Installation		
Category	AGRICULTURAL PRACTICES		
Start Date	23-Aug-16	End Date	14-Dec-17
Has Rates and Hours?	No		
Actual Results	A 0.45 acre critical area planting was installed. Previously installed waterway had washed out and gully erosion was present. The installation of the critical area planting with an erosion control blanket will correct the erosion. The landowner also included additional area that was not cost shared.		

Activity Action - Kjos, D. - 01FY17			
Practice	342 - Critical Area Planting	Count of Activities	1
Description	Waterway washed out. Gully erosion is present. Installation of critical area planting utilizing an erosion control blanket is being used to address the erosion concern.		
Proposed Size / Units	0.15 AC	Lifespan	10 Years
Actual Size/Units	0.45 AC	Installed Date	14-Dec-17
Mapped Activities	1 Polygon(s)		

Final Indicator for Kjos, D. - 01FY17			
Indicator Name	SOIL (EST. SAVINGS)	Value	44.63
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	South Fork of Root River		

Final Indicator for Kjos, D. - 01FY17			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	44.63
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	South Fork of Root River		

Final Indicator for Kjos, D. - 01FY17			
Indicator Name	SEDIMENT (TSS)	Value	44.63
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	South Fork of Root River		

Grant Activity - FY17 Administrative			
Description	Administrative funds will be used for work plan development, reporting, entering new project activities, mapping and entering indicators, fund sources and expenses. Janice will be performing these activities.		
Category	ADMINISTRATION/COORDINATION		
Start Date	23-Aug-16	**End Date**	23-Jun-18
Has Rates and Hours?	Yes		
Actual Results	During CY2016 no funds were expended. CY17 $3,028.65 was expended. Technical assistance was Tech Dan 40 hrs @ 34.84 = 1,393.60 Tech Jean 10 hrs @ 30.91 = 309.10 Dist Man Dave 23.75 hrs @ 53.25 = 1,264.69 Administrative: Admin Janice 1.5 hrs @ 40.84 = 61.26 CY18 $1,151.55 was expended. Technical assistance consisted of conducting state cost share spot checks. Tech Dan 7.4406 hrs @ 35.67 = 265.40 Tech Jean 8 hrs @ 31.75 = 254.00 Dist Man Dave 8 hrs @ 53.40 = 427.20. Admin consisted of eLink recording and preparing state cost share applications and payments.		

Grant Activity - Grade Stabilization Structure Installation			
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.		
Category	AGRICULTURAL PRACTICES		
Start Date	12-Apr-18	**End Date**	12-Sep-19
Has Rates and Hours?	No		
Actual Results	Project was completed and approved 9/12/19. The soil savings is 7.23 T/Yr., sediment reduction 7.23 T/Yr and phos reduction were each 7.23 lbs/yr		

Activity Action - Nelson, C. - 05FY17			
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. - 05FY17			
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. - 05FY17			
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. - 05FY17			
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 - Grassed Waterway Installation			
Description	Grassed Waterway Installation		
Category	AGRICULTURAL PRACTICES		
Start Date	8-Mar-18	End Date	13-Sep-18
Has Rates and Hours?	No		
Actual Results	CY18 A total of 1,750 linear feet of grassed waterways were installed by three landowners. Gully erosion was visible for each landowner. The installation of the grassed waterways addressed the gully erosion, decreased soil loss and improved downstream water quality.		

Activity Action - Engstler, A.			
Practice	412 - Grassed Waterway and Swales	Count of Activities	1
Description	Extend an existing waterway and repair 6" gullies in the lower portion of the existing waterway.		
Proposed Size / Units	300.00 LINEAR FEET	Lifespan	10 Years
Actual Size/Units	300.00 LINEAR FEET	Installed Date	13-Sep-18
Mapped Activities	1 Polygon(s)		

Final Indicator for Engstler, A.			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	5.07
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	Root River		

Final Indicator for Engstler, A.			
Indicator Name	SOIL (EST. SAVINGS)	Value	19.13
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	Root River		

Final Indicator for Engstler, A.			
Indicator Name	SEDIMENT (TSS)	Value	5.07
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	Root River		

Activity Action - Hammell, T.			
Practice	412 - Grassed Waterway and Swales	Count of Activities	2
Description	There are active gullies in landowner's current waterway. The landowner would like to control soil loss by installing a new waterway.		
Proposed Size / Units	750.00 LINEAR FEET	Lifespan	10 Years
Actual Size/Units	750.00 LINEAR FEET	Installed Date	13-Sep-18
Mapped Activities	2 Polygon(s)		

Final Indicator for Hammell, T.			
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		
Final Indicator for Hammell, T.			
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, T.			
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		

Activity Action - Double Diamond Farms			
Practice	412 - Grassed Waterway and Swales	**Count of Activities**	2
Description	Gully erosion present in field. Landowner would like to stop gully erosion and improve downstream water quality by installing grassed waterways.		
Proposed Size / Units	700.00 LINEAR FEET	**Lifespan**	10 Years
Actual Size/Units	700.00 LINEAR FEET	**Installed Date**	14-Jun-18
Mapped Activities	2 Polygon(s)		

Final Indicator for Double Diamond Farms			
Indicator Name	SOIL (EST. SAVINGS)	**Value**	89.25
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	**Calculation Tool**	BWSR CALC (GULLY STABILIZATION)
Waterbody	Money Creek		
Final Indicator for Double Diamond Farms			
Indicator Name	SEDIMENT (TSS)	**Value**	31.24
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	**Calculation Tool**	BWSR CALC (GULLY STABILIZATION)
Waterbody	Money Creek		
Final Indicator for Double Diamond Farms			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	**Value**	31.24
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	**Calculation Tool**	BWSR CALC (GULLY STABILIZATION)
Waterbody	Money Creek		

Grant Activity - Terrace Installation			
Description	Terrace Installation		
Category	AGRICULTURAL PRACTICES		
Start Date	23-Aug-16	**End Date**	14-Dec-17
Has Rates and Hours?	No		
Actual Results	A 0.4 acre terrace was installed. Landowner wanted to control sheet and rill erosion and runoff in his steep field. There are stable grassed outlets.		

Activity Action - Becker, M. - #02FY17			
Practice	600 - Terrace	**Count of Activities**	1
Description			
Proposed Size / Units	0.40 AC	**Lifespan**	10 Years
Actual Size/Units	0.40 AC	**Installed Date**	14-Dec-17
Mapped Activities	1 Polygon(s)		

Final Indicator for Becker, M. - #02FY17			
Indicator Name	SEDIMENT (TSS)	**Value**	0.9
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	**Calculation Tool**	BWSR CALC (SHEET AND RILL)
Waterbody	South Fork Root River		

Final Indicator for Becker, M. - #02FY17			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	**Value**	1.63
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	**Calculation Tool**	BWSR CALC (SHEET AND RILL)
Waterbody	South Fork Root River		

Final Indicator for Becker, M. - #02FY17			
Indicator Name	SOIL (EST. SAVINGS)	**Value**	7.83
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	**Calculation Tool**	BWSR CALC (SHEET AND RILL)
Waterbody	South Fork Root River		

Grant Attachments

Document Name	Document Type	Description
2016 Cost Share amendment EXECUTED	Grant Agreement Amendment	
2017 SWCD Programs and Operations Addendum	Grant Agreement	2017 Programs and Operations Addendum - Root River SWCD

Document Name	Document Type	Description
2017 SWCD Programs and Operations Addendum executed	Grant Agreement	2017 Programs and Operations Addendum - Root River SWCD
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/25/2017
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/05/2017
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/30/2019
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 10/11/2019
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 - 01/22/2018
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 12/29/2017
Extension Request (181008)	Grant	2017 - State Cost-Share Fund (Root River SWCD)
FY17 State Cost Share Financial Report	Grant	2017 - State Cost-Share Fund (Root River SWCD)
NLMP Implementation Plan	Grant	2017 - State Cost-Share Fund (Root River SWCD)
Unexecuted Grant Amendment	Grant Agreement Amendment	