



Grant All-Detail Report

Accelerated Implementation Grant 2015

Grant Title - Accelerating BMP Implementation in Rock County Watersheds for Turbidity Impaired Waters

Grant ID - C15-7650

Organization - Rock SWCD

Grant Awarded Amount	\$68,500.00	Grant Execution Date	3/27/2015
Required Match Amount	\$17,125.00	Grant End Date	12/31/2018
Required Match %	25%	Grant Day To Day Contact	Douglas Bos

Budget Summary

	Budgeted	Spent	Balance Remaining*
Total Grant Amount	\$68,500.00	\$32,232.81	\$36,267.19
Total Match Amount	\$17,760.00	\$7,422.95	\$10,337.05
Total Other Funds	\$0.00	\$0.00	\$0.00
Total	\$86,260.00	\$39,655.76	\$46,604.24

**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
Existing Inventory	Planning and Assessment	Local Fund	Compile an inventory from existing conservation practices	\$3,500.00	\$1,985.49	12/29/2017	Y
Final Report and Training Workshop	Education/Information	Current State Grant	Accelerating BMP Implementation in Rock County Watersheds fo..	\$8,500.00			N
Generate Hydrologically Conditioned DEM and Terrain Analysis Products	Technical/Engineering Assistance	Current State Grant	Accelerating BMP Implementation in Rock County Watersheds fo..	\$24,000.00	\$24,000.00	10/6/2016	N

Activity Name	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction Date	Matching Fund
Generate Water Quality Datasets	Technical/Engineering Assistance	Current State Grant	Accelerating BMP Implementation in Rock County Watersheds fo..	\$8,500.00	\$8,232.81	7/27/2017	N
Grant Administration and coordination	Administration/Coordination	Local Fund	Administration, coordination and facilitation of the AIG Grant	\$14,260.00	\$5,437.46	12/29/2017	Y
Measure BMP Effectiveness	Technical/Engineering Assistance	Current State Grant	Accelerating BMP Implementation in Rock County Watersheds fo..	\$15,000.00			N
Target Sources and BMP Placement	Technical/Engineering Assistance	Current State Grant	Accelerating BMP Implementation in Rock County Watersheds fo..	\$12,500.00			N

Activity Details Summary

Activity Details	Total Action Count	Total Activity Mapped	Proposed Size / Unit	Actual Size / Unit
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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
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Grant Activity

Grant Activity - Existing Inventory

Description	Rock County SWCD/Land Mgt staff with assistance from Pipestone SWCD PF position will compile an inventory of existing conservation practices by requesting information from NRCS, reviewing Elink information, aerial photos and site visits.		
Category	PLANNING AND ASSESSMENT		
Start Date	27-Mar-15	End Date	
Has Rates and Hours?	No		
Actual Results	<p>2016 -</p> <p>Technician 1: Inventoried existing practices 13 hours 13 x 29.62 = 385.06</p> <p>Technician 2: Inventoried existing practices 9 hours. 9 x 29.37 = 264.33</p> <p>2017:</p> <p>Assistant Director - review of drainage area scenarios: 10 x 54.91 = 549.10</p> <p>Technician - utilized GIS to develop drainage area scenarios; review of scenarios 20 x 39.35 = 787.00</p> <p>Total Staff Time: \$1,336.10</p>		

Grant Activity - Final Report and Training Workshop

Description	Houston Engineering will compose a final report of results of the reconditioned LiDAR data. Houston Engineering will also provide a Prioritize, Targeted, and Measured Implementation Plan for the identified watersheds along with the Rock River Watershed. Houston Engineering will provide onsite training workshop and follow-up webinar to Rock County SWCD/Land Management along with a refresher course to Pipestone, Nobles, and Murray SWCDs.		
Category	EDUCATION/INFORMATION		
Start Date	27-Mar-15	End Date	
Has Rates and Hours?	No		
Actual Results			

Grant Activity - Generate Hydrologically Conditioned DEM and Terrain Analysis Products

Description	Houston Engineering will generate hydrologically conditioned DEM and Terrain Analysis products for Mud Creek, Beaver Creek, Split Rock Creek and remainder of unnamed watersheds in Western portion of Rock County by removing digital dams such as roads and correct loading capacity of tiled basin areas . Approx. 200 sq. miles	
Category	TECHNICAL/ENGINEERING ASSISTANCE	
Start Date	27-Mar-15	End Date
Has Rates and Hours?	No	
Actual Results	2015 - Houston Engineering started the process of hydrologically conditioning the DEM maps. 2016 - Houston Engineering finished the hydro-conditioning process on the DEM maps.	

Grant Activity - Generate Water Quality Datasets

Description	Creation of Surficial TN, TP, Sediment and Hydrologic Loading GIS datasets by Houston Engineering using the existing Water Quality Decision Support Application (WQDSA) tools.	
Category	TECHNICAL/ENGINEERING ASSISTANCE	
Start Date		End Date
Has Rates and Hours?	No	
Actual Results	2016 - Houston Engineering started to develop water quality products through PTMApp 2017 - Houston engineering continued to develop water quality data products QC PTMApp, made revisions to PTMApp products, drafted a final report and correspondence related to the report. \$6,183.50	

Grant Activity - Grant Administration and coordination

Description	Administration, coordination and facilitation of the AIG grant will be completed by Rock County SWCD/Land Management Staff.	
Category	ADMINISTRATION/COORDINATION	
Start Date	27-Mar-15	End Date
Has Rates and Hours?	No	
Actual Results	<p>2015 - Assistant Director: communication and coordination for beginning work on the hydro-conditioning of the DEMs (digital elevation maps). 20 x 54.44 = 1,008.80 Office Manager: Administration of the grant agreement and financial tracking. 3 x 23.16 = 69.48</p> <p>2016 - Asst. Director: communication and coordination for continuing work on the hydro-conditioning of the DEMs (digital elevation maps). 37.5 hours x 55.06 = 2,064.75 Technicians 1 & 2: Reviewed and coordinated hydro-conditioning process. 11 hours x 40.57 = 446.27 1 x 31.14 = 31.14 Office Manager: Financial tracking. (job share position) 5.5 hours: 4.5 x 23.48 = 105.66 1 x 26.83 = 26.83</p> <p>2017: Assistant Director: communication and coordination for continuing work on the hydro-conditioning of the DEMs (digital elevation maps). 30 x 54.91 = 1647.30 Office Manager: Interim reporting, payment of Houston invoices and financial tracking. 1.5 x 24.82 = 37.23 Total Staff Time: \$ 1,709.35</p>	

Grant Activity - Measure BMP Effectiveness

Description	Houston Engineering will utilize the developed data sets along with cost estimates of specific conservation practices to identify cost-effectiveness (\$/mass of TN, TP, Sediment and hydrology) of pollutant reduced by BMPs.		
Category	TECHNICAL/ENGINEERING ASSISTANCE		
Start Date	27-Mar-15	End Date	
Has Rates and Hours?	No		
Actual Results			

Grant Activity - Target Sources and BMP Placement

Description	Houston Engineering will generate loading to resources of concern and BMP suitability GIS datasets to utilize in prioritizing and cost effectiveness of the proposed conservation practices.		
Category	TECHNICAL/ENGINEERING ASSISTANCE		
Start Date	27-Mar-15	End Date	
Has Rates and Hours?	No		
Actual Results			

Grant Attachments

Document Name	Document Type	Description
2015 Competitive Grant	Grant Agreement	2015 Competitive Grant - Rock SWCD
2015 Competitive Grant executed	Grant Agreement	2015 Competitive Grant - Rock SWCD
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 02/03/2016
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/26/2017
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 02/23/2016
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 03/22/2017
Application	Workflow Generated	Workflow Generated - Application - 09/26/2014
Work Plan	Workflow Generated	Workflow Generated - Work Plan - 01/28/2015
Work Plan	Workflow Generated	Workflow Generated - Work Plan - 03/18/2015
Work Plan Approval email	Journal	Journal Dated - 03/19/2015
grantmap_12785_2014-09-25_03-22-13-PM.jpg	Grant	Accelerating BMP Implementation in Rock County Watersheds for Turbidity Impaired Waters

