



## Grant All-Detail Report SWCD Local Capacity Services 2019

**Grant Title** - 2019 - SWCD Local Capacity Services (Rock SWCD)

**Grant ID** - P19-2401

**Organization** - Rock SWCD

<b>Original Awarded Amount</b>	<b>\$100,000.00</b>	<b>Grant Execution Date</b>	<b>11/27/2018</b>
<b>Required Match Amount</b>	\$0.00	<b>Original Grant End Date</b>	12/31/2021
<b>Required Match %</b>	0%	<b>Grant Day To Day Contact</b>	Mary Thompson
<b>Current Awarded Amount</b>	<b>\$114,400.00</b>	<b>Current End Date</b>	<b>12/31/2021</b>

### Budget Summary

	Budgeted	Spent	Balance Remaining*
Total Grant Amount	\$114,400.00	\$114,400.00	\$0.00
Total Match Amount	\$14,400.00	\$14,400.00	\$0.00
Total Other Funds	\$0.00	\$0.00	\$0.00
<b>Total</b>	<b>\$128,800.00</b>	<b>\$128,800.00</b>	<b>\$0.00</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
Excess Nutrients	Administration /Coordination	Current State Grant	2019 - SWCD Local Capacity Services (Rock SWCD)	\$9,000.00	\$9,000.00	12/31/2021	N
Soil Erosion - Equipment Purchase	Supplies/Equipment	Current State Grant	2019 - SWCD Local Capacity Services (Rock SWCD)	\$14,400.00	\$2,960.00	12/31/2021	N
Soil Erosion - Equipment Purchase	Supplies/Equipment	Local Fund	County Match	\$14,400.00	\$14,400.00	12/31/2021	Y

Activity Name	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction Date	Matching Fund
Soil Erosion Admin/Coordination	Administration /Coordination	Current State Grant	2019 - SWCD Local Capacity Services (Rock SWCD)	\$6,000.00	\$6,000.00	12/31/2021	N
Soil Erosion Technician	Technical/Engineering Assistance	Current State Grant	2019 - SWCD Local Capacity Services (Rock SWCD)	\$85,000.00	\$96,440.00	12/31/2021	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 - Excess Nutrients**

**Description**

Funds will be used for local staff and contracted staff in working with landowners and farm operators in the two drinking water supply management areas and those areas where elevated levels of nitrates have been found in groundwater resources. Staff will work to educate landowners and farm operators on the benefits of Best Management Practices and aid in their implementation.

With the current results from the MDA Targeted Township private well survey showing over 50 percent of the private wells exceeding Department of Health nitrate standards, our plan is to meet with producers and review their nitrogen/nutrient management practices specific to their respective cropping operations. We will present probable solutions to crop production practices in the interest of reducing nitrate leaching into the vulnerable aquifers and the 7 high priority townships identified in the survey. The practices promoted will include reduction or elimination of fall nitrogen application, split nitrogen applications, use of nitrification inhibitors, and cover crops.

Estimated contracted staff time: \$1,000.00

Category	ADMINISTRATION/COORDINATION		
Start Date	17-Jan-18	End Date	31-Dec-21
Has Rates and Hours?	Yes		
Actual Results	<p>2019:</p> <p>Staff have met personally with crop farmers in the DWSMA area around the public wells to promote Best Management Practices (BMPs) for Nitrogen Management. Through education and incentives the farmers have adopted the nitrogen BMPs of no fall application, split application, nitrification inhibitors, variable rate application per soil type and lower rates of nitrogen. Additionally, staff have worked extensively with landowners closest to the wells to enroll their farm ground into a permanent easement program and seeded to permanent prairie grass.</p> <p>Areas outside of the DWSMAs staff have reviewed nutrient management plans of feedlot operators to ensure allowed application rates for nitrogen, BMPs for nitrogen management and educating agronomists on the new ground water rule concerning nitrogen.</p> <p>Engineer Technician: 29 x 46.67 = 1,353.43</p> <p>2020:</p> <p>Staff worked with landowners in the same capacity as 2019 with the focus on cover crops.</p> <p>Engineer Technician 89 x 41.92 = 3,730.88</p> <p>2021:</p> <p>Staff worked with landowners in the same capacity as 2019 and 2020.</p> <p>Engineer Technician 91 x 44.01 = 4,004.91</p>		

**Grant Activity - Soil Erosion - Equipment Purchase**

<b>Description</b>	Funds will be used to purchase a UAV drone with camera and accessory equipment to support the use of the drone with live video feed and still photography as a means to provide education and information to staff and agricultural producers on the benefits of structural conservation practices, buffer implementation and compliance tracking. The UAV will also be used for monitoring real time events such as runoff and erosion as such events are unfolding.		
<b>Category</b>	SUPPLIES/EQUIPMENT		
<b>Start Date</b>	27-Jan-18	<b>End Date</b>	31-Dec-21
<b>Has Rates and Hours?</b>	No		
<b>Actual Results</b>	<p>Drone purchase delayed due to liability and required FAA licensing.</p> <p>\$2,950.00 LIDAR Data Acquisition - flyover to update to National Standards. Has not been done since 2008.</p> <p>Spent 10% (\$11,440) in Soil Erosion Tech</p> <p>Local match of \$14,400 was spent on Soil Erosion Tech staff time. Noted and expensed in Local Match as this is local funds. Over spending in this category overspends the grant.</p>		

**Grant Activity - Soil Erosion Admin/Coordination**

Description	<p>Funds will be spent by the SWCD staff to complete the administration of this grant. The administration includes, but is not limited to, completing the required E-link reporting, supervision of new staff hired in 2016. Other tasks include coordination of the activities associated with this grant, such as the purchase of equipment and supplies for such staff, providing administrative and clerical support for staff, providing/obtaining IT support, and updating the SWCD Board and County Board of Commissioners on the progress of grant activities.</p>		
Category	ADMINISTRATION/COORDINATION		
Start Date	27-Nov-18	End Date	31-Dec-21
Has Rates and Hours?	Yes		
Actual Results	<p>No funds spent in 2018 or 2019.</p> <p>2020: Staff has completed administration of the work plan and grant agreement, completed ELINK reporting and updated the SWCD and County Boards on the progress of the grant activity. SWCD staff has supervised and coordinated ongoing training for staff hired after 2016 and for new staff hired in 2019.</p> <p>Director 28.5 x 72.22 = 2,058.27 Assistant Director 34 x 58.65 = 1,994.10 Office Manager 36.25 x 33.41 = 1,211.11 Total: 5,263.48</p> <p>2021: Staff continued as in 2020. Assistant Director 12 x 65.17 = 782.04 - remainder of hours spent in 2020 LC. Office Manager 2021 hours spent in 2020 LC.</p>		

**Grant Activity - Soil Erosion Technician**

<p><b>Description</b></p>	<p>Funds will be used for staff hired in 2016 and shall work with landowners to implement conservation practices in the interest of reducing/mitigating/controlling soil erosion on lands within Rock County. Through this grant, the Rock LMO/SWCD will provide/obtain training for this staff to possess/obtain certifications deemed appropriate for providing the services necessary to the landowners within Rock County. This grant will also assist in obtaining the training and certifications necessary to further develop existing staff allowing the Rock LMO/SWCD to provide a higher degree of professional conservation oriented services and expertise to the landowners of Rock County.</p>		
<p><b>Category</b></p>	<p>TECHNICAL/ENGINEERING ASSISTANCE</p>		
<p><b>Start Date</b></p>	<p>27-Nov-18</p>	<p><b>End Date</b></p>	<p>31-Dec-21</p>
<p><b>Has Rates and Hours?</b></p>	<p>Yes</p>		
<p><b>Actual Results</b></p>	<p>2018 and 2019 - no funds spent</p> <p>2020: Technicians have continued additional training on NRCS Toolkit, GPS Total Station Survey Equipment, have field shadowed NRCS Field Staff and Jay Murphy (Centrol Consultant, Former Rock County NRCS Technician) and have done survey and design review with TSA Engineer. Technicians have been working with landowners to implement conservation practices through initial contact, site assessment &amp; evaluation, survey and design according to NRCS standards, review of project proposal and estimate with landowners and overseeing implementation of the project. One technician has attained TA, second technician is working toward TA.</p> <p>Engineer Tech  <math>1,031 \times 41.92 = 43,219.52</math></p> <p>Engineer Tech  <math>919.5 \times 36.28 = 33,359.46</math></p> <p>Total: 76,578.98</p> <p>2021: Staff worked in the same capacity as 2020.</p> <p>Engineer Technician: <math>44.01 \times 312 = \\$13,731.12</math></p> <p>Engineer Technician: <math>39.03 \times 526.5 = \\$20,549.30</math></p> <p>Total: \$34, 280.42</p>		



## Grant Attachments

Document Name	Document Type	Description
<b>2019 SWCD Local Capacity Amendment</b>	Grant Agreement Amendment	
<b>2019 SWCD Local Capacity and Buffer Law Implementation</b>	Grant Agreement	2019 SWCD Local Capacity and Buffer Law Implementation - Rock SWCD
<b>2019 SWCD Local Capacity and Buffer Law Implementation EXECUTED</b>	Grant Agreement	2019 SWCD Local Capacity and Buffer Law Implementation - Rock SWCD
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 03/08/2019
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 02/04/2021
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 01/27/2021
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 04/03/2020
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 02/03/2020
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 01/26/2022
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 02/01/2019
<b>County Match</b>	Grant	2019 - SWCD Local Capacity Services (Rock SWCD)
<b>Expenditures Report Attached for Reconciliation</b>	Grant	2019 - SWCD Local Capacity Services (Rock SWCD)
<b>Final Financial Report</b>	Grant	2019 - SWCD Local Capacity Services (Rock SWCD)
<b>Invoices</b>	Grant	2019 - SWCD Local Capacity Services (Rock SWCD)
<b>P19-2401 Reconciliation C Checklist</b>	Journal	Journal Dated - 05/05/2021
<b>P19-2401 Reconciliation C Checklist Revised</b>	Journal	Journal Dated - 06/01/2021
<b>Unexecuted Grant Amendment</b>	Grant Agreement Amendment	
<b>Work Plan</b>	Workflow Generated	Workflow Generated - Work Plan - 01/24/2020
<b>Work Plan</b>	Workflow Generated	Workflow Generated - Work Plan - 11/08/2018
<b>Work Plan</b>	Workflow Generated	Workflow Generated - Work Plan - 11/08/2018
<b>Work Plan</b>	Workflow Generated	Workflow Generated - Work Plan - 11/05/2018
<b>Work Plan</b>	Workflow Generated	Workflow Generated - Work Plan - 02/13/2019
<b>Work Plan</b>	Workflow Generated	Workflow Generated - Work Plan - 08/21/2018