

## PROJECT SUMMARY SHEET

PROJECT TITLE NAME: **Water Quality Planning Project**

NAME, ADDRESS, PHONE AND E-MAIL OF LEAD PROJECT SPONSOR

South Dakota Association of Conservation Districts

Angela Ehlers, Executive Director

PO Box 275

Pierre SD 57501

Phone: 605-895-4099      FAX: 605-895-9424

E-mail: sdoffice@sdconservation.net

SPONSOR/SUBGRANTEE: South Dakota Association of Conservation Districts

STATE CONTACT PERSON: Barry McLaury

PHONE:      605-773-4254      FAX: 605-773-4068

E-MAIL STATE: barry.mclaury@state.sd.us

WATERSHED: Statewide

HYDROLOGIC UNIT CODE:      HIGH PRIORITY WATERSHED (yes/no): YES

TMDL Development ( ) and/or Implementation (X) (check any that apply)

PROJECT TYPES	_____ WATER BODY TYPES	_____ NPS CATEGORY
<input type="checkbox"/> STAFFING & SUPPORT	<input type="checkbox"/> GROUNDWATER	<input checked="" type="checkbox"/> AGRICULTURE
<input checked="" type="checkbox"/> WATERSHED	<input checked="" type="checkbox"/> LAKES/RESERVOIRS	<input type="checkbox"/> URBAN RUNOFF
<input type="checkbox"/> GROUNDWATER	<input checked="" type="checkbox"/> RIVERS	<input type="checkbox"/> SILVICULTURE
<input type="checkbox"/> I & E	<input checked="" type="checkbox"/> STREAMS	<input type="checkbox"/> CONSTRUCTION
<input type="checkbox"/> WETLANDS	<input type="checkbox"/> RESOURCE EXTRACTION	<input type="checkbox"/> STOWAGE LAND DISPOSAL

PROJECT LOCATION: State of South Dakota    START DATE: 7/1/2017

SUMMARIZATION OF MAJOR GOALS:

The goal of this two year project is to provide accelerated planning and implementation of agricultural Best Management Practices (BMPs) in selected 303(d) listed water bodies in South Dakota. Emphasis will be placed on providing accelerated planning, design and implementation of various buffer practices that protect riparian zones. The project will also provide information, education and outreach to local landowners and the general public to provide a better understanding of BMPs and their relationship to water quality benefits.

PROJECT SUMMARY:

The project will provide the following conservation specialists: Two certified Conservation Planning Consultants and a trained Project Specialist. The South Dakota Association of Conservation Districts (SDACD) will enter into contracts with the Conservation Planning Consultants and hire the Project

Specialist. Local conservation districts will provide them office space as needed. The Natural Resources Conservation Service (NRCS) will provide them training in NRCS standardized planning practices and Farm Bill related documentation. NRCS will also allow them access to their office files so they can locate maps, soils data, and check existing planning with producer permission. The South Dakota Department of Environment and Natural Resources (DENR) will provide them with assessment and watershed targeting information. The Conservation Planners and Specialist will work with targeted 12-digit Hydrologic Units (HUs) within selected 303(d) listed waterbodies to develop and implement conservation plans and BMPs.

**Section 319:** \$351,848                      **USDA:** \$154,000                      **Local:** \$12,000

**Local Owners/Producers:** \$426,000                      **Total cost:** \$943,848                      **FTEs:** 1.50

## **2.0 STATEMENT OF NEED**

Previous experience in South Dakota indicates one-on-one technical assistance is a critical factor in improving landowner participation in conservation programs that improve water quality. Landowners residing in watersheds with impaired water bodies are often willing to install agricultural BMPs to improve water quality, but they cannot access timely technical assistance needed to plan BMPs and then apply for financial assistance for installation.

To address the need, two Conservation Planning Consultants will be contracted and a trained Project Specialist will be hired to work one on one with producers and landowners in targeted watersheds to provide BMP planning and assistance in identifying possible funding sources for project implementation. Emphasis will be placed on the use of buffer-type practices such as Riparian Area Management (RAM) and Seasonal Riparian Area Management (S-RAM). The Planners will also provide outreach and education to producers, landowners and the public through presentations and media information releases. The Planners and Specialist will also work with producers and NRCS using the Resource Stewardship Evaluation Tool and Fieldprint Calculator to identify possible improvements that can be made to their operation through the implementation of certain BMPs. The Conservation Planning Consultants will also update existing five-year strategic plans that are near the end of their five-year cycle to identify what has been accomplished and what remains to be completed. DENR will provide watershed assessment information that will be used to ensure that BMPs are installed where the most benefits will be gained for dollars spent. Certified Technical Service Providers (TSPs) will be used to provide engineering design and installation when needed for specific BMPs.

Many landowners are acceptable to installing buffers especially with the current funding opportunities, but they do not have time or the needed information to participate in available programs. Technical assistance is needed by the landowners to plan the buffer areas and gather the proper information to become eligible for financial assistance.

### **2.1 Project Need and Problems**

The South Dakota FY 2014 303(d) list of impaired water bodies includes 72 lakes and 94 river/stream segments that are impaired by nonpoint source pollution. The 303(d) list also indicates the

parameter(s) causing the impairment. In most cases, implementation of agricultural BMPs and buffers in the impaired watersheds will help reduce the listed source of water quality impairment(s).

Most of the lakes and several segments of the rivers exist in the four major watersheds of Eastern South Dakota: the Big Sioux River Watershed, James River Watershed, and the Minnesota and Vermillion River Watersheds. Several TMDLs have been developed and implementation projects are in progress in these watersheds. Establishing buffers adjacent to cropland and marginal pastureland filters the nutrients that are carried by runoff and has been proven to improve water quality. For example, landowners willing to install buffers in the Skunk Creek Watershed resulted in the de-listing of Total Suspended Solids in Skunk Creek which is tributary of the Big Sioux River.

South Dakota uses a seamless approach to address water quality impairment. The approach includes integration of the TMDL assessment and implementation process. The process begins with water quality monitoring, modeling, and TMDL development and ends with watershed project planning and TMDL implementation. The assessment and TMDL segments of the process are three or more years in duration with implementation taking six to ten years or longer depending on the scope of the effort required.

Many of the sources of Nonpoint Source Pollution (NPS) are known during the later stages of the watershed assessment study and implementation projects are implemented. This Water Quality Planning Project will continue planning and installation of Buffers and other BMPs in the critical areas identified in a manner that ensures the seamless process continues and TMDLs are implemented in an efficient manner in South Dakota.

## **2.2 Active 319 Project Areas**

Section 319 implementation projects are currently underway in the South Central Implementation Project watersheds, Northeast Glacial Lakes Project watersheds, Little Minnesota River Watershed, Belle Fourche River Watershed, Spring Creek Watershed in Pennington County, and all of the Big Sioux River Watershed. Assistance to these watersheds will consist of Conservation Planners providing conservation planning in 12-digit targeted HUs within implementation projects.

The Belle Fourche River and Spring Creek projects will remain as a low priority as the local watershed project sponsors has developed a highly successful process to address their watershed resource concerns.

Programs that will be used to fund BMP installation are anticipated to be Conservation Reserve Program (CRP), Continuous Sign-up Conservation Reserve Program (CCRP), Environmental Quality Incentives Program (EQIP), Regional Conservation Partnership Program (RCPP), Agricultural Conservation Easement Program (ACEP), Conservation Stewardship Program (CSP), Coordinated Conservation Grants, Partners for Fish & Wildlife, Ducks Unlimited, and Pheasants Forever.

## **2.3 Maps**

DENR will provide the following maps:

- Watersheds that will be serviced by the project,
- Annualized Agricultural Nonpoint Source Model (AnnAGNPS) or similar model targeting critical cells, and
- Animal feeding areas with associated ranking based on DENR's feedlot model.

## 2.4 General Watershed Information

Watershed information is provided in the individual assessment project implementation plans for the named watersheds. These are all agricultural watersheds and have a combination of row crops, small grains, grazing and animal feeding operations. Early assessment results suggest that animal waste is a considerable contributor to the nonpoint source problems. All of the lake watersheds listed are impaired by excessive phosphorous. The Big Sioux River is impaired by suspended solids and fecal coliform bacteria concentrations.

## 3.0 PROJECT DESCRIPTION

For this Water Quality Planning Project SDACD will enter into contracts with two part-time Conservation Planners equaling 1 FTE and hire a trained Project Specialist equaling 0.50 FTE. Funding for these positions will be a combination of Section 319 funds, and USDA funds. The contractors and specialist will be skilled in developing conservation plans and working with landowners and producers.

The Conservation Planning Consultants and Project Specialist will work one-on-one with producers and landowners in targeted watersheds to provide BMP planning and assistance in identifying possible funding sources for project implementation. Emphasis will be placed on the use of buffer type practices such as RAM and SRAM. The planners will also provide outreach and education to producers, landowners and the public through presentations and media information releases.

The Conservation Planning Consultants will also review existing five-year Watershed Strategic Plans that were developed for watershed implementation projects. Several of these plans are nearing the end of the original five-year time frame. In reviewing the plans they will identify what has been accomplished and update the plans to show what still remains to be accomplished. Updated plans will be provided to DENR and SDACD to be used as needed.

NRCS will provide training as needed, that will lead to level one certification of the Conservation Planners and Specialist in conservation planning and TOOLKIT, as well as additional training offered to the agency's staff. Presently all Conservation Planners and the Project Specialist who are working on the project are certified above the level one certification. Conservation Planning Consultants and Project Specialist will be provided access to computers and software compatible with NRCS computer systems so that information can be readily shared. Landowner confidentiality and security will be maintained to NRCS standards.

## 3.1 Project Goal

The project goal is: **“to provide planning for buffer and other agricultural best management practice installation assistance in selected impaired watersheds in South Dakota.”**

The project will also provide information and education to local landowners, youth, communities, other agency personnel, consultants and the general public to provide a better understanding of use, function and technical design of agricultural BMPs and related water quality benefits.

### 3.2 Project Objectives and Tasks

**OBJECTIVE 1. SDACD will contract two Conservation Planning Consultants and hire a Project Specialist to assist landowners with conservation planning and installation of agricultural BMPs that reduce nonpoint source pollutants in selected impaired watershed areas and select areas outside of active watershed projects.**

#### Task 1. Conservation Planning

Enter into contracts with two (2) part-time Conservation Planning Consultants (1.0 FTE) to work in targeted 12-digit HU watersheds to develop conservation plans with willing producers. Producers will be provided with one-on-one conservation planning assistance. The producer will be educated in the benefits of the conservation practices and the environmental improvements gained with emphasis placed on buffer type practices. Once plans are developed, the producer can apply for conservation programs that would provide financial assistance for implementation of practices if needed. Monitoring will be completed by the planners to identify conservation practices that were applied with or without financial assistance and the environmental benefits produced.

**Product 1:** Two (2) Conservation Planners

Cost: \$346,008

EPA: \$271,008

NRCS: \$75,000

Responsible Agencies

South Dakota Association of Conservation Districts

South Dakota Department of Environment and Natural Resources

Natural Resources Conservation Service

**Task 2. Employ and train one Project Specialist to assist landowners with conservation planning and installing agricultural BMPs that reduce nonpoint source loading in selected 303(d) water bodies.**

One Project Specialist will be employed (0.50 FTE) and provided training for use of NRCS planning and documentation protocols so that plans prepared will be certifiable by NRCS for USDA funding. Training will include the NRCS conservation planning course as well as training in Section 319 program strategies for TMDLs and grant documentation. This employee will attend NRCS refresher courses as needed, but at least every three years. They will also be required to attend DENR sponsored project coordinator workshops and receive training by DENR in assessment techniques as needed to complete workplan and other associated activities.

**Product 2:** One trained Project Specialist.

Milestone: Project Specialist (.50 FTE).  
Project Administration

Cost: \$144,840      EPA: \$74,840      NRCS: \$70,000

Responsible Agencies

South Dakota Association of Conservation Districts

Natural Resources Conservation Service

South Dakota Department of Environment and Natural Resources

**OBJECTIVE 2. Develop buffer and other BMP plans/designs in target areas inside and outside active projects.**

**Task 3. Develop BMP Plans**

Target cells/areas for BMP installation will be based on information from DENR assessments, priority rankings from the AnnAGNPS model, local conservation districts, USDA staff knowledge of sources, and funding availability. Owners and operators of targeted lands will be contacted to explain the project mission, services available, and available funding opportunities as well as the potential of their operation to improve water quality in the impaired water body. Project staff will also assist with development of a funding package.

**Product 3:** BMP/plans and designs

Milestones:

Landowner Conservation contacts – 800

BMP designs/plans – 60 each year

The cost to complete the BMP plans will primarily be salary costs of Conservation Planning Consultants and Project Specialist in Objective 1.

Responsible Agencies

South Dakota Association of Conservation Districts

South Dakota Department of Environment and Natural Resources

Watershed Projects

Natural Resources Conservation Service

**OBJECTIVE 3. Review and update existing 5-year Watershed Strategic Plans for existing Implementation projects.**

**Task 4. Review and update three of the existing 5-year Watershed Strategic Plans.**

**Product 4:** Three existing 5-year Strategic Plans (Lower James River, Lewis and Clark East River and Lewis and Clark West River) will be reviewed and updated to show what has been accomplished since the plans were developed and what could still be accomplished according to the plans. These three plans cover what is now called the South Central Watershed Implementation Project.

The cost to complete the reviews of the Strategic Plans will primarily be salary costs of Conservation Planning Consultants in Objective 1.

Responsible Agencies

South Dakota Association of Conservation Districts  
 South Dakota Department of Environment and Natural Resources  
 Watershed Projects  
 Natural Resources Conservation Service  
 Local Conservation Districts

**Objective 4. Revise riparian area priority zones for all active projects as needed.**

**Task 5. Revise riparian buffer zone overlays for stream beneficial uses defined in South Dakota Administrative Rule 74:51:03:02.**

Riparian Area maps will be reviewed and revised as needed to assure compatibility with South Dakota Water Quality Standards and administrative rules. Zone A includes domestic water supply, warm water semi-permanent fish life propagation, and limited-contact recreation waters. Zone B includes warm water marginal fish life propagation and limited-contact recreation waters. Zone C includes fish and wildlife propagation, recreation, and stock watering waters, and irrigation waters. The buffer widths are related to Water Quality Standards defined Chapter 74:51:01 of the South Dakota Administrative rules. Depending on Pollutants of concern such as sediment, nitrates, and bacteria waters with higher standards for these pollutants should be assigned wider riparian buffers. The Zone A buffer is 120-feet, the Zone B Buffer is 60-feet, and the Zone C buffer is 30 feet

**Product 5:** Revise the riparian area priorities for all active Section 319 watershed projects and produce maps as needed.

Cost: The cost to complete the riparian overlays is part of the costs associated with DENR staff in the Watershed Protection Program.

Responsible Agencies

South Dakota Association of Conservation Districts  
 Local Conservation Districts  
 Department of Environment and Natural Resources

**Objective 5. Implement public outreach program.**

### **Task 6. Create an awareness of project goals and objectives**

Create an awareness of project goals and objectives through presentations in local news sources, mailings, and web-based information. Staff will also attend and deliver presentations at meetings of local work groups, USDA State Technical Committee, NPS Task Force, Conservation Commission, etc.

**Product 6:** 10 work group meetings, 6 presentations.

Cost: \$ 6,000 plus staff time

EPA: \$6,000

#### Responsible Agencies

South Dakota Association of Conservation Districts

Local Conservation Districts

### **Task 7. Work with NRCS to make use of the Resource Stewardship Evaluation Tool and Fieldprint Calculator for producers in South Dakota.**

The Resource Stewardship Evaluation Tool and Fieldprint Calculator will be used to determine buffer and other BMPs current level of efficiency and sustainability for the producer's current operation. The tools will be used to run at least one additional practice management scenario to identify potential improvements that could be made in the producers operation. Nine producers in a small watershed will be assisted and trained to use Fieldprint Calculator to better understand and communicate how management choices affect overall sustainability performance and operational efficiency. The Calculator is a tool developed for corn, cotton, rice, wheat, potatoes and soybean growers. It estimates field level performance on the following sustainability indicators: land use, conservation, soil carbon, irrigation water use, water quality, energy use, and greenhouse gases . Management information entered into the tool are analyzed and transformed into a "Fieldprint", which graphically represents the farmer's unique operation. It helps farmers visualize and assess how efficiencies and environmental impacts fluctuate based on various management decisions. Farmers can also compare their performance against local, state and national averages developed using publically available data. Producers will also be encouraged and assisted to develop financial comparisons since finances play a large role in producers' choices to adopt or not adopt certain practices.

**Product 7:** Resource Stewardship Evaluation Tool used to assist 10 producers within RCPP areas and Fieldprint Calculator used to assist 9 producers

The cost to use the tools will primarily be salary costs of Consultants and Project Specialist in Objective 1.

#### Responsible Agencies

South Dakota Association of Conservation Districts

South Dakota Department of Environment and Natural Resources

Watershed Projects

Natural Resources Conservation Service

**Objective 6. Document and report project progress and success in attaining the project goals.****Task 8. Monitor project progress and evaluate project goals.**

Project progress will be monitored to determine the water quality impact of the project and to provide information to DENR to plan future watershed loading reductions. The location of BMPs designed and installed will be mapped and provided to DENR using ARC View and TOOLKIT. NPS load reductions expected from the BMPs will be calculated and provided to DENR. The programs used to determine the load reduction will be those approved by DENR for this purpose which include DENR project tracker, AnnAGNPS, STEPL and RUSLE2 models. When tracking BMPs installed in the watershed, a unique identifier will be used.

Progress in building partnerships and developing nonpoint source abatement plans will be gauged by the milestones achieved and the number of contacts or partnerships developed.

**Product 8:** BMP location Maps  
Load reductions

## Responsible Agencies

South Dakota Association of Conservation Districts  
South Dakota Department of Environment and Natural Resources

Annual project status reports will be prepared and submitted to DENR for entry into GRTS

**Product 9:** Annual GRTS reports

Milestones: prior to October 15 of each year.

## Responsible Agencies

South Dakota Association of Conservation Districts  
South Dakota Department of Environment and Natural Resources

**Task 10. Prepare a final report using guidance provided by DENR.**

**Product 10:** Final Report

The cost to complete all reports will primarily be salary costs of Consultants in Objective 1.

Milestone: Oct 31, 2019

**Responsible Agencies**

South Dakota Association of Conservation Districts  
South Dakota Department of Environment and Natural Resources

**3.3 Milestone Table** (attached Appendix B)

- 3.4 Permits are not required for planning activities. When a BMP is ready for installation, project staff will assist the producer with securing any required water rights, building permits, 401, 404 and storm water construction permits. They will also ensure compliance with all local, state or federal requirements such as the threatened and endangered species act and historic/cultural resources requirements.
- 3.5 The SDACD is the project sponsor. The Association has been awarded and successfully completed several Section 319 Grants. Among these are the Bootstraps Project, animal nutrient management and buffer teams. The Association has also provided management services and or staff for several other Section 319 grants which include: Grassland Management and Planning, Upper Snake Creek, Lewis & Clark, Turkey Ridge Creek, Vermillion River, Central Big Sioux, and Medicine Creek projects.
- 3.6 The project or other entity that contracts with the landowner/operator will be responsible for ensuring compliance with BMP operation and maintenance requirements for the life of the practice in accordance with NRCS technical standards.
- 3.7 This project will not implement management practices. Responsibilities for protection of endangered and threatened species, other environmental reviews and cultural resources compliance is directed to the entity funding the implementation of practices.

#### **4.0 COORDINATION PLAN**

##### **4.1 Agencies and their responsibilities:**

*South Dakota Association of Conservation Districts* – Project sponsor, will enter into contracts with Conservation Planning Consultants to carry out the planning activities. SDACD staff includes the executive director who is supervised by a Board of Directors. SDACD and Conservation Planners will coordinate project activities, report on project activities and progress, voucher for grant funds, and provide record keeping. SDACD and Conservation Planners will make presentations at meetings of local work groups, State Technical Committee, NPS Task Force, Conservation Commission, etc. SDACD will solicit local Conservation District staff and other local interest groups in targeting the delivery of technical assistance to landowners.

*Conservation Districts* – Provide technical assistance for BMP installation, assist with BMP prioritization, public information assistance, host local meetings, and coordinate with local work groups for USDA funding.

*South Dakota Department of Game, Fish & Parks* – Provide technical and financial assistance through several private lands wildlife habitat programs they administer; these programs also provide nonpoint source pollution control benefits. Coordinate with the Pheasants Forever technical assistance project.

*Natural Resources Conservation Service* - Technical assistance and training. Provide technical assistance and access to records and maps. Provide cost share assistance for BMP installation through those USDA programs authorized in the Farm Bill.

*Farm Service Agency* - Provide financial assistance through those USDA cost-share or land retirement programs authorized in the Farm Bill.

*US Fish and Wildlife Service* - Technical and financial assistance through programs they administer such as Partners for Fish and Wildlife and the North American Wetlands Conservation Act.

*US Environmental Protection Agency* – Provide Section 319 grant funds to South Dakota DENR.

*SD DENR* - Administer EPA Section 319 grant funds; provide technical assistance for project planning, management, and training.

#### 4.1 **Project Support**

The application for this project is supported by the USDA-Natural Resources Conservation Service, USDA-Farm Services Agency, USDI-Fish and Wildlife Service, South Dakota Department of Agriculture, SD Game Fish and Parks, South Dakota Department of Environment and Natural Resources, SDACD and all involved Conservation Districts.

#### 4.3 **Coordination with Other Programs**

Pheasants Forever and Ducks Unlimited, in partnership with the Natural Resources Conservation Service and the South Dakota Department of Game, Fish and Parks, has placed wildlife habitat specialists in seven areas of South Dakota to assist in wildlife habitat planning. Pheasants Forever is providing partial funding for producer scholarships that will provide education and technical assistance in economic evaluation. Program activities will be coordinated with this project to avoid overlap and duplication. Those in this partnership indicate they expect the project to continue.

The South Dakota Association of Conservation Districts will provide information to and coordinate with the State Technical Committee and subcommittees to coordinate the funding through those USDA programs authorized in the Farm Bill. The Association will also work with other Section 319 projects to coordinate and augment their efforts.

#### 4.4 **Non-duplication of Effort**

This project is a combination of a local, state, and federal agencies working together to provide technical and financial assistance for the implementation of NPS TMDLs in South Dakota. The project is managed to maximize the delivery of assistance that minimizes duplication of effort. For example, Pheasants Forever working in partnership with NRCS and the South Dakota Department of Game, Fish and Parks has placed wildlife habitat specialists in some areas of South Dakota to assist in wildlife habitat planning. Their activities are coordinated with the project to avoid duplication of effort.

### 5.0 **EVALUATIONS AND MONITORING PLAN**

- 5.1 The evaluation and monitoring plan includes documentation of project activities and BMPs installed. Load reductions and BMP implementation information will be provided to DENR as part of the annual GRTS report provided to Section 319 projects in the areas serviced. Load reductions will be credited to watershed projects where BMPs are implemented.
- 5.2 Water quality sampling is not included in the project work plan. Therefore, a sampling and analysis plan will not be developed.
- 5.3 The conservation planning consultants will document all project activities and report these activities to the SDACD executive director who will submit the semi-annual report. The annual report will be prepared and released by October 31 of each year during the proposed project. The annual report will be available to all local, tribal, state, and federal agencies and organizations in the project area. This report will also be posted on the SDACD web site.

Project activities that will be documented include:

- On-farm visits and landowner/operator contacts and follow-ups, plans developed as result of visits/contacts, and BMPs implemented
- Partnership building contacts/presentations and report of results
- Workshop and tour attendance and activities generated through workshops or tours
- News releases and other media contacts (TV/Radio) and indications of activities generated as result of releases or contacts
- Presentations/attendance at meetings where project activities are discussed (conservation boards, local governments, tribal governments, lake associations) and reports of activities generated as result of presentations
- Implementation of best management practices
- Project expenditures
- Local cash match and in-kind contributions

Data collected during this project, and documentation of project activities and expenditures will be compiled and used to draft a final report following guidance provided by DENR. The report will focus on the project accomplishments, contain a comparison of planned versus completed activities, estimate of load reductions achieved, and an evaluation of success in relation to the project goal. Copies of the report will be provided to the Association's project partners.

## **6.0 BUDGET** (attached Appendix A)

## **7.0 PUBLIC INVOLVEMENT** (see objective 5)

6.0: Water Quality Planning Project - Appendix A to Exhibit A								
July 1, 2017 to June 30, 2019			Project Funding					Local Land Owners/ Producers
	2017 - 2018	2018 - 2019	Total	319-EPA	WQ	USDA	Local	
<b>Objective 1 - Employ resource management specialists</b>								
<b>Task 1 - Conservation Planning Consultants</b>								
Product 1: Conservation Planning Consultants (2) (1 FTE)	\$ 164,424	\$ 164,424	\$ 328,848	\$ 253,848		\$ 75,000		
<b>Sub-Total</b>	\$ 164,424	\$ 164,424	\$ 328,848	\$ 253,848		\$ 75,000	\$ 0	\$ 0
<b>Task 2 - Project Specialist to plan and implement BMPs and administration of the project.</b>								
Product 2: Project Specialist (0.50 FTE)	\$ 70,000	\$ 70,000	\$ 140,000	\$ 70,000	\$ 0	\$ 70,000	\$ 0	
Contract Management (SDACD)	\$ 8,000	\$ 8,000	\$ 16,000	\$ 16,000				
Audit	\$ 3,000	\$ 3,000	\$ 6,000	\$ 6,000				
<b>Sub-Total</b>	\$ 81,000	\$ 81,000	\$ 162,000	\$ 92,000	\$ 0	\$ 70,000	\$ 0	\$ 0
<b>Objective 2 - Develop BMP plans</b>								
<b>Task 3. Develop Buffer and other BMP plans/designs in target areas inside and outside active projects</b>								
Product 3: Landowner Conservation Contacts (800)	See objective 1, Tasks #1		\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
Develop 60 BMP conservation plans annually (120)	See objective 1, Tasks #1		\$ 360,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 360,000
<b>Sub-Total</b>	\$ 0	\$ 0	\$ 360,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 360,000
<b>Objective 3 - Review and update existing 5 year strategic plans</b>								
<b>Task 4: Review and update three existing 5 year strategic plans</b>								
Product 4: Three strategic plans reviewed and updated	See objective 1, Tasks #1		\$ 3,000	\$ 0		\$ 0	\$ 3,000	\$ 0
Lower James River, Lewis & Clark East & West River								
<b>Sub-total</b>	\$ 0	\$ 0	\$ 3,000	\$ 0	\$ 0	\$ 0	\$ 3,000	\$ 0
<b>Objective 4 - Revise riparian area priority zones for all active projects</b>								
<b>Task 5. Revise riparian buffer overlays based on beneficial uses</b>								
Product 5: Revise riparian buffer overlays	DENR cost for WS Protection Program		\$ 0			\$ 0	\$ 0	\$ 0
<b>Sub-Total</b>	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
<b>Objective 5 - Implement public outreach program</b>								
<b>Task 6. Create an awareness of project goals and objectives</b>								
Product 6: 10 workgroup meetings and 6 presentations.	\$ 3,000	\$ 3,000	\$ 6,000	\$ 6,000		\$ 0	\$ 0	\$ 0
<b>Task 7: Work with NRCS to make use of the Resource Stewardship Evaluation Tool and Fieldprint Calculator.</b>								
Product 7: Evaluation Tool & Fieldprint Calculator used for 19 producers	See objective 1, Tasks #1,2		\$ 84,000	\$ 0		\$ 9,000	\$ 9,000	\$ 66,000
<b>Sub-Total</b>	\$ 3,000	\$ 3,000	\$ 90,000	\$ 6,000	\$ 0	\$ 9,000	\$ 9,000	\$ 66,000
<b>Objective 6 - Document and report project progress</b>								
<b>Task 8. Monitor project progress and evaluate project</b>								
Product 8: BMP location maps	See Obj. 1, Tasks # 1,2							
Load reductions								
Product 9: Annual GRTS reports								
<b>Task 9: Prepare final report</b>								
Product 10: Final report	See Obj. 1, Tasks # 1,2							
<b>Sub-Total</b>	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
<b>TOTALS</b>	\$ 248,424	\$ 248,424	\$ 943,848	\$ 351,848	\$ 0	\$ 154,000	\$ 12,000	\$ 426,000

<b>3.3: MILESTONE TABLE - Appendix B to Exhibit A</b>												
<b>WQ Planning Project, Milestone Table - July 1, 2017 through June 30, 2019</b>												
Goal/Objective/Task	Groups	Quantity	Year 1		2017		2018		Year 2		2019	
			July-Sept.	Oct-Dec	Jan-Mar	Apr-June	July-Sept.	Oct-Dec	Jan-Mar	Apr-June		
<b>Objective 1. Employ Resource Management Specialists</b>												
<b>Task 1: Conservation Planning Consultants (2) 1FTE</b>												
Product 1: 2 Conservation Planning Consultants contracted	1,3,4	2	2									
<b>Task 2: Employ Project Specialist (1) 0.50 FTE</b>												
Product 2: Project Specialist hired	1,3,4	1	1									
<b>Objective 2. Develop BMP Plans</b>												
<b>Task 3. BMP Plans in targeted areas inside &amp; outside active projects</b>												
Product 3: Landowner Conservation Contacts (800)	1,2,3,4	800	100	100	100	125	125	100	100	50		
Develop 60 BMP Conservation Plans annually (120)	1,2,3,4	120	10	10	20	20	20	20	10	10		
<b>Objective 3. Review and Update Existing 5-year Strategic Plans (3)</b>												
<b>Task 4. Review and update three existing 5-year Strategic Plans</b>												
Product 4: Three Strategic Plans reviewed and updated (Lower James River, Lewis & Clark East & West River)	1,2,3,4,5	3			1			1	1			
<b>Objective 4 - Revise Zone Overlay Maps</b>												
<b>Task 5: Revise Riparian Zone Overlay Maps as needed</b>												
Product 5: Revise riparian buffer overlays	1,2,4,	As needed										
<b>Objective 5: Implement Public Outreach Program</b>												
<b>Task 6. Create an awareness of project goals &amp; objectives</b>												
<b>Product 6: 10 Workgroup meetings and 6 presentations</b>												
Workgroup meetings	1,2	10	1	2	2	2	1	1	1			
Presentations	1,2	6		2		2		2				
<b>Task 7: Work with NRCS to use Resource Stewardship Tool &amp; Field Print Calculator</b>												
Product 7: Evaluation tool & Fieldprint Calculator used for 19 producers	1,3,4,5	19	3	3	3		3	3	4			
<b>Objective 6: Document &amp; report project progress</b>												
<b>Task 8: Monitor project progress and evaluate project goals</b>												
Product 8: BMP location maps	1,4	1										1
Load reductions	1,4	1										1
Product 9: Annual GRTS reports	1,4	1										1
<b>Task 9. Complete Final Report</b>												
Product 10: Final Report	1,4,	1										1***
<b>Groups:</b>												
1. South Dakota Association of Conservation Districts				4. SD Department of Environment and Natural Resources								
2. local Conservation Districts				5. Watershed Implementation Projects								
3. Natural Resources Conservation Service				*** Final report due by October 31, 2019.								