



Texas State Soil and Water Conservation Board
CWA §319(h) Agricultural/Silvicultural Nonpoint Source Grant Program
FY 2006 Project Workplan (06-13)

NONPOINT SOURCE SUMMARY PAGE for the CWA §319(h) Agricultural/Silvicultural Nonpoint Source Grant Program					
Title of Project:	Technical Assistance Supporting Cooperative Conservation in South Central Texas				
Project Goals/Objectives:	1) To foster coordinated technical assistance activities between the TSSWCB, local SWCDs and the NRCS. 2) To provide technical assistance to livestock producers for the development of WQMPs and implementation of BMPs. 3) To assist livestock producers in utilizing cost-share funds through the EQIP State Resource Concern for Water Quality in South Central Texas.				
Project Tasks:	1) Project Administration and Coordination; 2) Promotion of TSSWCB WQMP Program and NRCS EQIP South Central Texas Water Quality State Resource Concern; 3) Development and implementation of WQMPs and acquisition of EQIP funding for BMP implementation; 4) Tracking Implementation Success				
Measures of Success:	1) Provide needed technical assistance to livestock producers; 2) Development and implementation of WQMPs; 3) Increased utilization of available EQIP cost-share funds; 4) Reduction in bacterial contamination of streams from NPS pollution from livestock operations				
Project Type:	Statewide (); Watershed Implementation/Education (X); Watershed Planning/Assessment (); Watershed Protection (); SWCD (X)				
Status of Water Body: 2004 Water Quality Inventory and 303(d) List	<u>Segment ID</u>	<u>Parameter</u>		<u>Category</u>	
	1803A	bacteria; dissolved oxygen		5a; 5a	
	1803B	bacteria; dissolved oxygen		5a; 5a	
	1901	bacteria		5a	
	2107	bacteria; dissolved oxygen		5a; 5c	
Project Location:	Atascosa River (Segment 2107) Watershed Elm and Sandies Creeks (Segments 1803A and 1803B) Watershed Lower San Antonio River (Segment 1901) Watershed				
Key Project Activities:	Hire Staff (X); Monitoring (); Regulatory Assistance (); Technical Assistance (X); Education (); Implementation (X); Demonstration (); Other ()				
NPS Management Program Elements:	<p><u>Long-Term Goal</u> Focus NPS abatement efforts, implementation strategies, and available resources in watersheds identified as impacted by nonpoint source pollution.</p> <p><u>Short-Term Goal (Goal Two – Implementation)</u> Work with regional and local entities to determine priority area and develop and implement strategies to address NPS pollution in those areas. Develop and implement BMPs to address constituents of concern or waterbodies not meeting water quality standards in watersheds identified as impacted by NPS pollution.</p> <p><u>Short-Term Goal (Goal Three – Education)</u> Administer programs to educate citizens about water quality and their potential role in causing NPS pollution. Conduct outreach to facilitate broader participation and partnerships. Enable stakeholders and the public to participate in decision-making and provide a more complete understanding of water quality issues and how they relate to each citizen.</p>				
Project Costs:	Federal:	\$387,900	Non-Federal Match:	\$ -	Total: \$387,900
Project Management:	TSSWCB and SWCDs				
Project Period:	November 1, 2006 – October 31, 2009				

Part I – Applicant Information

Applicant							
Project Lead		Lee Munz					
Title		SWCD Liaison – NPS Team					
Organization		Texas State Soil and Water Conservation Board					
E-mail Address		lmunz@tsswcb.state.tx.us					
Street Address		PO Box 658					
City	Temple	County	Bell	State	TX	Zip Code	76503-0658
Telephone	254-773-2250x241			Fax	254-773-3311		

Project Partners	
Names	Roles & Responsibilities
Atascosa County Soil and Water Conservation District (SWCD 307) DeWitt County Soil and Water Conservation District (SWCD 339) Karnes County Soil and Water Conservation District (SWCD 343)	Supervise one of three technicians. Develop, implement and maintain WQMPs. Track implementation of BMPs. Responsible for all project deliverables.
Texas State Soil and Water Conservation Board (TSSWCB)	Provide state oversight and management of all project activities. Work with and assist SWCDs in the development, implementation, and maintenance of WQMPs. Responsible for technical review and certification of WQMPs.
U.S. Environmental Protection Agency (EPA)	Provide federal funding for technicians.
USDA Natural Resources Conservation Service (NRCS)	Provide EQIP cost-share through a State Resource Concern for Water Quality in South Central Texas. Support technicians in the development, implementation, and maintenance of WQMPs. Provide training as necessary to the technicians.

Part II – Project Information

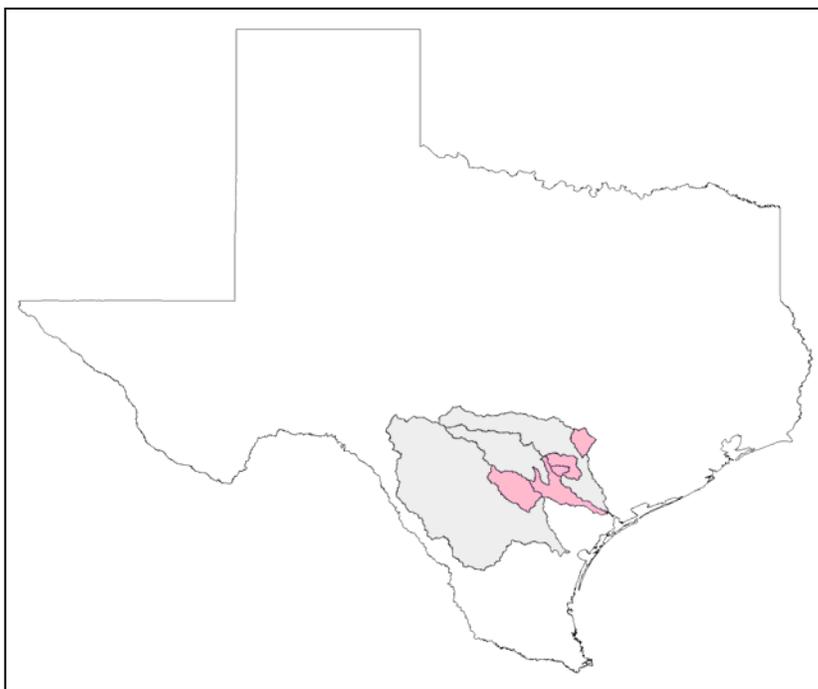
Project Type					
Surface Water	<input checked="" type="checkbox"/>	Groundwater	<input type="checkbox"/>		
Does the project implement recommendations made in a completed Watershed Protection Plan or approved TMDL Report or Implementation Plan?				Yes	No
If yes, identify the document.					
If yes, identify the agency/group that developed and/or approved the document.				Year Developed	

Watershed Information				
Watershed Name(s)	Hydrologic Unit Code (8 Digit)	Segment ID	305(b) Category (2004)	Size (Acres)
Elm and Sandies Creeks Watershed	12100202	1803A 1803B	5a 5a	455,283
Lower San Antonio River Watershed	12100303	1901	5a	812,670
Atascosa River Watershed	12110110	2107	5a	892,503

Project Narrative
<p>Problem/Need Statement</p> <p>Cooperative conservation is a voluntary and incentive-based concept where people associate together voluntarily to pursue common conservation goals. It describes the efforts of landowners, communities, conservation groups, industry, and governmental agencies who join together to conserve our environment. Through cooperative conservation, citizens from every walk of life enhance, restore, and protect land, water, air, and wildlife resources on public and private lands. These citizens play a central and substantive role in the stewardship and governance of the environments in which they live, work, and play. Cooperative conservation is rooted in local action and reliant on local, experiential knowledge as well as science, using the innovation and creativity of citizens as the engine that drives problem solving. This approach is non-partisan and is the practical option to litigation and polarization that otherwise divide Americans.</p> <p>In August 2004, President George W. Bush signed the Executive Order titled <i>Facilitation of Cooperative Conservation</i> which directs federal agencies that oversee environmental and natural resource policies and programs, including EPA and USDA, to promote cooperative conservation in full partnership with states, local governments, private for-profit and nonprofit institutions, other nongovernmental entities and individuals. In an effort to promote this executive order, the White House Council on Environmental Quality convened a <i>White House Conference on Cooperative Conservation</i> in August 2005 to strengthen shared governance and citizen stewardship. Key stakeholders and decision makers from both the public and private sectors came together to advance this vision. Conferees discussed mechanisms to enhance and integrate public and private land stewardship and to enhance on-the-ground conservation results and progress.</p> <p>Texas has a well-established history of Cooperative Conservation. Agricultural producers, along with SWCDs, TSSWCB, NRCS and EPA, have been collaborating to protect the natural resources of the Lone Star State for decades. Farmers and ranchers routinely implement best management practices (BMPs) on their lands utilizing the cost-share and technical assistance programs of SWCDs, who receive state and federal funds from TSSWCB, EPA and NRCS. Because of this, the State of Texas has been able to demonstrate major successes in the improvement of water quality conditions through on-the-ground conservation results and progress.</p>

The TSSWCB is the lead agency in Texas for planning, implementing, and managing programs and practices for preventing and abating agricultural and silvicultural nonpoint source pollution. The TSSWCB Water Quality Management Plan (WQMP) Program affords agricultural producers an opportunity to comply with state water quality laws through traditional voluntary incentive-based programs. A WQMP is a site-specific plan developed through and approved by SWCDs which includes appropriate land treatment practices, production practices, management measures, and technologies that prevent and abate agricultural and silvicultural nonpoint source pollution. The BMPs prescribed in a WQMP are rooted in the NRCS Field Office Technical Guide. SWCDs provide for technical assistance to producers seeking to develop a WQMP. TSSWCB and NRCS have various cost-share programs which provide financial assistance to producers in implementing a WQMP.

Nearly half of the waterbodies on the 2004 Texas 303(d) List do not meet water quality standards for bacteria established to protect contact recreation use and/or oyster water use. Many of these waterbodies are clustered in south central Texas, including Elm and Sandies Creeks, Peach Creek, Lower San Antonio River and Atascosa River. The Texas Commission on Environmental Quality (TCEQ), in collaboration with TSSWCB, is currently facilitating the development of Total Maximum Daily Loads (TMDLs) for these, and other bacteria-impaired waters.



Elm Creek (Segment 1803A) originates in the eastern part of Wilson County and flows eastward to its confluence with Sandies Creek. Sandies Creek (Segment 1803B) originates in southwestern Guadalupe County and flows southeastward to its confluence with the Guadalupe River. The Elm and Sandies Creeks Watershed covers 455,283 acres in portions of Gonzales, Karnes, Wilson, DeWitt and Guadalupe Counties.

Peach Creek (Segment 1803C) rises in southern Bastrop County and flows south to its confluence with the Guadalupe River. The Peach Creek Watershed covers 309,047 acres in portions of Bastrop, Caldwell, Fayette, and Gonzales Counties.

The Lower San Antonio River (Segment 1901) begins as it Mays Crossing near Falls City in Karnes County and flows southeasterly to its

confluence with the Guadalupe River near San Antonio Bay. The Lower San Antonio River Watershed covers 812,670 acres in portions of DeWitt, Goliad, Karnes, Refugio, and Victoria Counties.

The Atascosa River (Segment 2107) rises in extreme northwestern Atascosa County and flows southeastward to its confluence with the Frio River below Choke Canyon Reservoir. The Atascosa River Watershed covers 892,503 acres in portions of Atascosa, Live Oak, Karnes, Wilson, Bexar, Frio, McMullen and Medina Counties.

In 2005 TSSWCB and TCEQ worked with NRCS to establish an Environmental Quality Incentives Program (EQIP) State Resource Concern for Water Quality in South Central Texas. Reauthorized in the 2002 federal Farm Bill, EQIP is a voluntary conservation program that supports production agriculture and environmental quality as compatible goals. Through EQIP, farmers and ranchers receive financial assistance with structural and management conservation practices on their land. The program is designed to address both locally identified resources concerns and state priorities.

The EQIP State Resource Concern for Water Quality in South Central Texas is directed toward protection of streams impacted by bacterial contamination from livestock. Good grazing management and alternative water sources will be promoted in the watersheds of Elm and Sandies Creeks, Peach Creek, Lower San Antonio River and Atascosa River. EQIP financial assistance will be available for BMPs such as cross fencing, water wells, riparian buffers, watering facilities and prescribed grazing. Applications are ranked for funding with those livestock operations located in close proximity to impacted streams obtaining a higher rank. For more information see http://www.tx.nrcs.usda.gov/programs/EQIP/07/stconcerns07/so_central_tx.html.

In federal FY2006, only about 28% of the \$800,000 allocated for this State Resource Concern was obligated by livestock producers. Various factors contributed to this low utilization of funds in these priority watersheds. This was the first year for this State Resource Concern. There was limited promotion of cost-share availability. Dedicated technical assistance from local SWCDs is needed to promote the program and to assist landowners in the development and implementation of BMPs.

This EQIP State Resource Concern leverages other federal and state programs that contribute to water quality improvements within these watersheds. TSSWCB has established an EPA CWA §319(h) grant project (#05-08), that provides technical and financial assistance, through the Gonzales County SWCD, for development and implementation of WQMPs on livestock operations contiguous with Peach Creek. TSSWCB has also allocated state funds, via the Gonzales County SWCD, to poultry operations in Peach Creek, Elm and Sandies Creeks, and other nearby watersheds for development and implementation of WQMPs. Both of these projects support implementation activities associated with the TMDLs being developed for bacteria impairments in these watersheds.

Project Narrative

General Project Description

TSSWCB will administer federal CWA §319(h) funds through the lead SWCDs for support of three District Technicians who will provide technical assistance to livestock operators in developing and implementing WQMPs in the Elm and Sandies Creeks, Lower San Antonio River, and Atascosa River watersheds. These Technicians will assist ranchers in acquiring EQIP cost-share for the implementation of BMPs through the State Resource Concern for Water Quality in South Central Texas. This CWA §319(h) grant will improve and enhance the abilities of local SWCDs to assist area landowners in preventing and abating agricultural nonpoint source pollution.

Technicians will be placed in the three lead SWCDs and will work in 11 adjacent SWCDs through cooperative agreements. The three Technicians will work under direction of the lead SWCDs, with assistance from the TSSWCB Wharton Regional Office and NRCS, as needed.

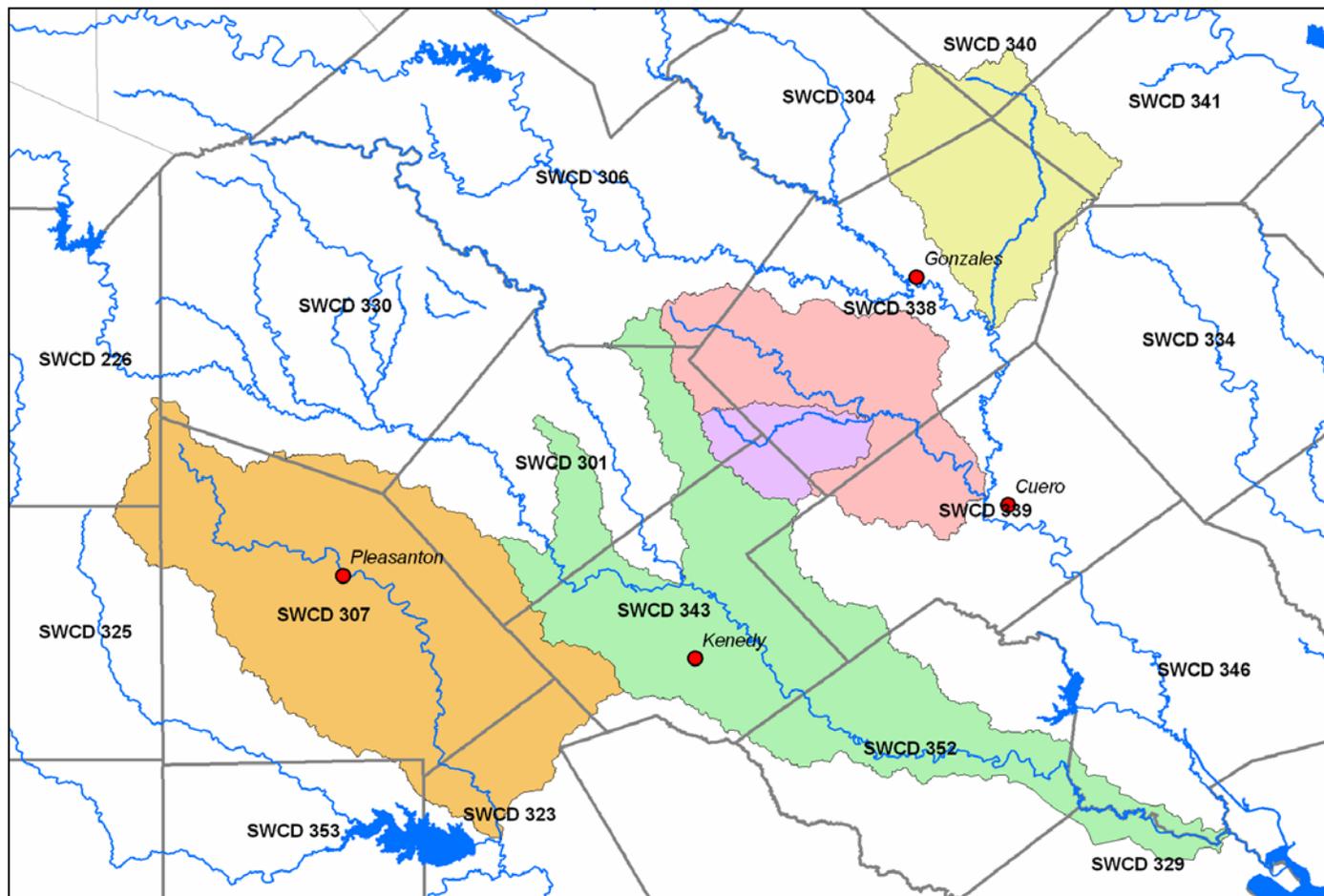
Lead SWCDs – Atascosa County SWCD #307, DeWitt County SWCD #339, Karnes County SWCD #343

Cooperating SWCDs – Medina Valley SWCD #226, Wilson County SWCD #301, Comal-Guadalupe SWCD #306, Live Oak SWCD #323, Frio SWCD #325, Copano Bay SWCD #329, Alamo SWCD #330, Gonzales County SWCD #338, Victoria SWCD #346, Goliad County SWCD #352, McMullen County SWCD #353

The three Technicians will be stationed in Cuero (Elm and Sandies Creeks), Kenedy (Lower San Antonio River), and Pleasanton (Atascosa River). The associated Peach Creek Technician (TSSWCB CWA §319(h) Grant #05-08) is stationed in Gonzales.

Allocation of the EQIP South Central Texas Water Quality State Resource Concern is designated for the Elm and Sandies Creeks, Peach Creek, Lower San Antonio River and Atascosa River watersheds, collectively. Since funding is not divided among the individual watersheds, more WQMP development work may exist in one watershed versus another based on ranking results. As such, the three Technicians will be based in three different SWCDs and will

primarily work in a single watershed, yet they may work with producers in other priority watersheds depending on WQMP development workload.



The Technicians will be critically important in promoting the components of this project, including WQMP development and EQIP cost-share availability, and encouraging participation from livestock producers. The Technicians will work with TSSWCB, NRCS and Texas Cooperative Extension to educate ranchers about water quality issues and how WQMPs and BMPs address bacterial contamination from livestock. The Technicians will work with commodity organizations, such as Texas and Southwestern Cattle Raisers Association (TSCRA), Independent Cattlemen's Association of Texas (ICA), and Texas Farm Bureau (TFB), to educate their members on this opportunity to enhance the value of their operation and achieve water quality goals for the watershed at the same time. The Technicians will participate in the stakeholder process for TMDL development and implementation, facilitated by TCEQ, for their respective watersheds in order to efficiently and effectively achieve project goals and to summarize activities and achievements made throughout the course of this project.

The Technicians, with assistance from NRCS and TSSWCB regional offices, will assist landowners in the development of WQMPs and Prescribed Grazing Plans. To obtain a WQMP, landowners and operators must first submit a request to the local SWCD. The SWCD reviews the request and assigns a number to each request. Upon approval by the SWCD, the technician will work with the landowner to develop a WQMP. WQMPs are developed according to the NRCS Field Office Technical Guide. An example of activities on which the technician will work include:

- Development of conservation plan maps showing boundaries, fields, land use, acres and facilities
- Acquisition of soil maps with appropriate interpretations

- Development of an implementation schedule
- Completion of appropriate worksheets used during the planning phases (forage inventories, grazing plans, erosion worksheets, and field notes)

Once the WQMP is developed, it is sent to the appropriate TSSWCB regional office for technical review and certification. Upon certification of the WQMP, the technician will work with the landowner to implement the BMPs prescribed in the WQMP.

The Technicians, with assistance from NRCS, will assist landowners in applying for and obtaining cost-share funds through the EQIP State Resource Concern for Water Quality in South Central Texas to aid in implementation of BMPs prescribed in WQMPs. The Technicians will conduct annual status reviews on all WQMPs developed and certified through the course of this project to ensure that the landowners implement BMPs as specified and agreed to in the WQMP implementation schedule. The Technicians will track utilization of obligated cost-share funds from the EQIP State Resource Concern for Water Quality in South Central Texas and assist landowners in utilizing obligated cost-share funds on schedule. The Technicians will complete an aggregate final report which describes the success of the project including WQMPs developed, BMPs implemented, and EQIP cost-share obligated and utilized.

Coordinated technical assistance from local SWCDs, TSSWCB and NRCS will provide livestock producers an opportunity to comply with state water quality laws through a traditional voluntary incentive based program. Cooperative Conservation demonstrated through this project will contribute to the restoration of water quality to support contact recreation in the Elm and Sandies Creeks, Atascosa River and Lower San Antonio River watersheds.

Water Quality Impairment

Describe all known causes (pollutants of concern) of water quality impairments from any of the following sources: 2004 Water Quality Inventory and 303(d) List, 2004 Summary of Waterbodies with Water Quality Concerns (Secondary Concerns List) or Other Documented Sources (ex. Clean Rivers Program Basin Summary or Basin Highlights Reports).

<u>Segment ID</u>	<u>Parameter</u>	<u>Category</u>
1803 A	bacteria; dissolved oxygen	5a; 5a
1803 B	bacteria; dissolved oxygen	5a; 5a
1901	bacteria	5a
2107	bacteria; dissolved oxygen	5a; 5c

Project Goals

1. To foster coordinated technical assistance activities between the TSSWCB, local SWCDs and the NRCS.
2. To provide technical assistance to livestock producers for the development of WQMPs and implementation of BMPs
3. To assist livestock producers in utilizing cost-share funds through the EQIP State Resource Concern for Water Quality in South Central Texas

Tasks, Objectives and Schedules						
Task 1:	Project Administration and Coordination					
Costs:	Federal:	\$ 96,975	Non-Federal:	\$ -	Total:	\$ 96,975
Objective:	To effectively coordinate technical and financial assistance activities between livestock producers, SWCDs, TSSWCB and NRCS.					
Subtask 1.1:	The three lead SWCDs will each hire one District Technician to coordinate and implement the project goals and objectives.					
	Start Date:	Month 1		Completion Date:	Month 3	
Subtask 1.2:	The Technicians and Bookkeepers will collaborate to perform accounting functions for project funds allocated to their respective SWCD and will submit monthly Reimbursement Forms to TSSWCB.					
	Start Date:	Month 1		Completion Date:	Month 36	
Subtask 1.3:	The Technicians will prepare aggregate electronic quarterly progress reports for submission to TSSWCB. Progress reports shall document all activities performed within a quarter and shall be submitted by the 15 th of January, April, July and October.					
	Start Date:	Month 1		Completion Date:	Month 36	
Subtask 1.4:	The Technicians will meet monthly with lead and cooperating SWCDs and other interested parties to discuss project activities and district activities. The Technicians will maintain regular communication with the TSSWCB Project Manager and with appropriate TSSWCB Field Representatives.					
	Start Date:	Month 1		Completion Date:	Month 36	
Deliverables	<ul style="list-style-type: none"> Quarterly Progress Reports Reimbursement Forms 					

Tasks, Objectives and Schedules						
Task 2:	Promotion of TSSWCB WQMP Program and NRCS EQIP South Central Texas Water Quality State Resource Concern					
Costs:	Federal:	\$ 96,975	Non-Federal:	\$ -	Total:	\$ 96,975
Objective:	To promote components of this project, including WQMP development and EQIP cost-share availability, and encourage participation from livestock producers.					
Subtask 2.1:	The Technicians will develop and distribute flyers, brochures, letters, news releases and other appropriate promotional publications to encourage participation from livestock producers.					
	Start Date:	Month 1		Completion Date:	Month 36	
Subtask 2.2:	The Technicians will work with TSSWCB, NRCS and Texas Cooperative Extension to educate ranchers about water quality issues and how WQMPs and BMPs address bacterial contamination from livestock.					
	Start Date:	Month 1		Completion Date:	Month 36	
Subtask 2.3:	The Technicians will work with commodity organizations, such as Texas and Southwestern Cattle Raisers Association (TSCRA), Independent Cattlemen's Association of Texas (ICA), and Texas Farm Bureau (TFB), to educate their members on this opportunity to enhance the value of their operation and achieve water quality goals for the watershed at the same time.					
	Start Date:	Month 1		Completion Date:	Month 36	
Subtask 2.4:	The Technicians will participate in the stakeholder process for TMDL development and implementation, facilitated by TCEQ, for their respective watersheds in order to efficiently and effectively achieve project goals and to summarize activities and achievements made throughout the course of this project.					
	Start Date:	Month 1		Completion Date:	Month 36	
Deliverables	<ul style="list-style-type: none"> Promotional Publications, as developed and distributed Educational Publications, as developed and distributed 					

Tasks, Objectives and Schedules					
Task 3:	Development and implementation of WQMPs and acquisition of EQIP funding for BMP implementation				
Costs:	Federal:	\$ 96,975	Non-Federal:	\$ -	Total: \$ 96,975
Objective:	To provide technical assistance to livestock producers through the development and implementation of WQMPs and acquisition of EQIP cost-share to support BMP implementation.				
Subtask 3.1:	The Technicians, with assistance from NRCS and TSSWCB regional offices, will assist landowners in the development of WQMPs and Prescribed Grazing Plans.				
	Start Date:	Month 1	Completion Date:	Month 36	
Subtask 3.2:	The Technicians, with assistance from NRCS, will assist landowners in applying for and obtaining cost-share funds through the EQIP State Resource Concern for Water Quality in South Central Texas to aid in implementation of BMPs prescribed in WQMPs.				
	Start Date:	Month 1	Completion Date:	Month 36	
Subtask 3.3:	The Technicians, with assistance from NRCS and TSSWCB regional offices, will assist landowners in the implementation and maintenance of BMPs prescribed in WQMPs.				
	Start Date:	Month 1	Completion Date:	Month 36	
Deliverables	<ul style="list-style-type: none"> Summary sheets on certified WQMPs Summary of EQIP funds obligated per watershed and BMP 				

Tasks, Objectives and Schedules					
Task 4:	Tracking Implementation Success				
Costs:	Federal:	\$ 96,975	Non-Federal:	\$ -	Total: \$ 96,975
Objective:	To track implementation of WQMPs and utilization of EQIP cost-share funds for BMP implementation to achieve water quality improvement.				
Subtask 4.1:	The Technicians will conduct annual status reviews on all WQMPs developed and certified through the course of this project to ensure that the landowners implement BMPs as specified and agreed to in the WQMP implementation schedule.				
	Start Date:	Month 1	Completion Date:	Month 36	
Subtask 4.2:	The Technicians will track utilization of obligated cost-share funds from the EQIP State Resource Concern for Water Quality in South Central Texas. The Technicians, with assistance from NRCS, will assist landowners in utilizing obligated EQIP cost-share funds on schedule.				
	Start Date:	Month 1	Completion Date:	Month 36	
Subtask 4.3:	The Technicians will create a map showing the location of all WQMPs developed and BMPs implemented throughout the project. This map will not reveal the identity or exact location of any producer.				
	Start Date:	Month 1	Completion Date:	Month 36	
Subtask 4.4:	The Technicians, with help from other entities involved in the project, will complete and submit an aggregate final report to TSSWCB at the culmination of the project. This report will be provided in electronic format (i.e., compact disc, etc.). The TSSWCB project manager will set the appropriate due dates for this task.				
	Start Date:	Month 1	Completion Date:	Month 36	
Deliverables	<ul style="list-style-type: none"> Status reviews for WQMPs Map of project area showing WQMPs developed and BMPs implemented with a quantifiable breakdown for each BMP. Final Report 				

Measures of Success

- Provide needed technical assistance to livestock producers
- Development and implementation of WQMPs
- Increased utilization of available EQIP cost-share funds
- Reduction in bacterial contamination of streams from NPS pollution from livestock operations

2005 Texas Nonpoint Source Management Program Document Reference

Goals &/or Milestone(s)

NPS Management Program – Element One – Explicit short- and long-term goals, objectives and strategies that protect surface and groundwater.

Long-Term Goal – Focus NPS abatement efforts, implementation strategies, and available resources in watersheds identified as impacted by nonpoint source pollution.

Short-Term Goal Two – Implementation – Objective A – Work with regional and local entities to determine priority area and develop and implement strategies to address NPS pollution in those areas.

Short-Term Goal Two – Implementation – Objective B – Develop and implement BMPs to address constituents of concern or waterbodies not meeting water quality standards in watersheds identified as impacted by NPS pollution.

Short-Term Goal Three – Education – Objective B – Administer programs to educate citizens about water quality and their potential role in causing NPS pollution

Short-Term Goal Three – Education – Objective D – Conduct outreach...to facilitate broader participation and partnerships. Enable stakeholders and the public to participate in decision-making and provide a more complete understanding of water quality issues and how they relate to each citizen.

NPS Management Program – Element Two – Working partnerships and linkages to appropriate state, interstate, tribal, regional, and local entities, private sector groups, and Federal agencies.

Part III – Financial Information

Budget Summary			
Federal 319(h)	\$ 387,900	% of total project	100 %
Non-Federal Match	\$ -	% of total project (< 40%)	0 %
Total Project Cost	\$ 387,900	Total project %	100 %
Category	Federal 319(h)	Non-Federal Match	Total Project Cost
Personnel	\$ 280,800	\$ -	\$ 280,800
Fringe Benefits	\$ 66,420	\$ -	\$ 66,420
Subtotal Personnel & Fringe	\$ 347,220	\$ -	\$ 347,220
Travel	\$ 20,280	\$ -	\$ 20,280
Equipment	\$ 6,000	\$ -	\$ 6,000
Supplies	\$ 5,400	\$ -	\$ 5,400
Contractual	\$ 9,000	\$ -	\$ 9,000
Construction	\$ -	\$ -	\$ -
Other	\$ -	\$ -	\$ -
Subtotal	\$ 40,680	\$ -	\$ 40,680
Total Direct Costs	\$ 387,900	\$ -	\$ 387,900
Indirect Costs (< 15%)	\$ -	\$ -	\$ -
Total Project Costs	\$ 387,900	\$ -	\$ 387,900

Budget Justification		
Category	Total Amount	Justification
Personnel & Fringe Benefits	\$347,220	3 full-time Technicians @ \$30,000/yr for 3 years 3 part-time Bookkeepers @ \$10/hr for 10hrs/month for 3 years Fringe Benefits calculated @ 28%
Travel	\$20,280	Mileage @ SWCD approved rate not to exceed state rate for Technicians at 3 Lead SWCDs
Equipment	\$6,000	3 Computers @ \$2,000 each
Supplies	\$5,400	Office Supplies for 3 Lead SWCDs @ \$50/month for 3 years
Contractual	\$9,000	Audit for 3 Lead SWCDs @ \$3,000
Construction		
Other		
Indirect		