



**Texas State Soil and Water Conservation Board
 Clean Water Act §319(h) Nonpoint Source Grant Program
 FY 2016 Workplan 16-08**

SUMMARY PAGE					
Title of Project	Implementing Agricultural Nonpoint Source Components of the Attoyac Bayou Watershed Protection Plan				
Project Goals	<ul style="list-style-type: none"> • Provide technical assistance to agricultural producers for the development of Water Quality Management Plans (WQMPs) and implementation of Best Management Practices (BMPs) and track progress • Provide educational programs to increase stakeholders and citizens knowledge about water quality issues in the watershed • Conduct status reviews on WQMPs to track implementation success • Foster coordinated technical assistance activities between TSSWCB, the local SWCD, and NRCS • Inform and coordinate project efforts with the Attoyac Bayou Watershed Partnership, Watershed Coordinator, and Feral Hog Extension Assistant 				
Project Tasks	(1) Project administration; (2) Promotion and implementation of the TSSWCB WQMP Program				
Measures of Success	<ul style="list-style-type: none"> • Provide needed technical assistance to agricultural producers; • Development and implementation of WQMPs; • Implementation of management measures outlined in the Attoyac Bayou WPP; • Reduction in potential pollutant loads of streams from NPS pollution from agricultural operations 				
Project Type	Implementation (x); Education (x); Planning (); Assessment (); Groundwater ()				
Status of Waterbody on 2014 Texas Integrated Report	<u>Segment ID</u> Attoyac Bayou (0612): Segments 0612_01, 0612_02, 0612_03	<u>Parameter of Impairment or Concern</u> Bacteria DO Ammonia	<u>Category</u> 5b CS CS		
Project Location (Statewide or Watershed and County)	The Attoyac Bayou Watershed upstream of Sam Rayburn Reservoir in San Augustine, Nacogdoches, Shelby and Rusk Counties.				
Key Project Activities	Hire Staff (x); Surface Water Quality Monitoring (); Technical Assistance (x); Education (x); Implementation (x); BMP Effectiveness Monitoring (); Demonstration (); Planning (); Modeling (); Bacterial Source Tracking (); Other ()				
2012 Texas NPS Management Program Reference	<ul style="list-style-type: none"> • Component 1 – Long Term Goal – Objectives 1, 2, 3 • Component 1 – Short Term Goal 2 – Objectives A, B, D • Component 1 – Short Term Goal 3 – Objectives A, D G • Components 2, 3 and 4 				
Project Costs	Federal	\$153,494	Non-Federal \$0	Total	\$153,494
Project Management	• Nacogdoches Soil and Water Conservation District				
Project Period	September 1, 2016 – August 31, 2019				

Part I – Applicant Information

Applicant							
Project Lead	Glenn Adams						
Title	Chairman, Nacogdoches SWCD						
Organization	Nacogdoches Soil and Water Conservation District #401						
E-mail Address	nacogdoches@swcd.texas.gov						
Street Address	4609 NW Stallings Dr						
City	Nacogdoches	County	Nacogdoches	State	TX	Zip Code	75964-1439
Telephone Number	936-564-5891			Fax Number	844-496-8041		

Project Partners	
Names	Roles & Responsibilities
Texas State Soil and Water Conservation Board (TSSWCB)	Provide state oversight and management of all project activities and ensure coordination of activities with related projects and TCEQ.
Nacogdoches Soil and Water Conservation District #401	Supervise one technician. Develop, implement and maintain WQMPs. Conduct status reviews. Responsible for all project deliverables.
Piney Woods SWCD (#429), Shelby SWCD (#449), Rusk SWCD (#447)	Collaborate with SWCD #401 to promote stakeholder participation in WQMPs and support the work of the technician in the Attoyac Bayou.
United States Department of Agriculture-Natural Resources Conservation Service (NRCS)	Support SWCD Technician in the development, implementation, and maintenance of WQMPs. Provide training as necessary to the technician.
Texas Water Resources Institute and Castilaw Environmental Services, LLC	Support the SWCD Technician in educational program and resource development and delivery and in maintaining communication with the Partnership and Watershed Coordinator. Collaborate with SWCD #401 to track implementation of BMPs for incorporation into the Attoyac Bayou WPP update.
Attoyac Bayou Watershed Partnership	Collaborate as critical local stakeholders and play a lead role in communicating with other local stakeholders.

Part II – Project Information

Project Type

Surface Water	<input checked="" type="checkbox"/>	Groundwater	<input type="checkbox"/>						
Does the project implement recommendations made in (a) a completed WPP, (b) an adopted TMDL, (c) an approved I-Plan, (d) a Comprehensive Conservation and Management Plan developed under CWA §320, (e) the <i>Texas Coastal NPS Pollution Control Program</i> , or (f) the <i>Texas Groundwater Protection Strategy</i> ?						Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
If yes, identify the document.		Attoyac Bayou Watershed Protection Plan							
If yes, identify the agency/group that developed and/or approved the document.			Attoyac Bayou Watershed Partnership		Year Developed		2014		

Watershed Information

Watershed or Aquifer Name(s)	Hydrologic Unit Code (12 Digit)	Segment ID	Category on 2014 IR	Size (Acres)
Attoyac Bayou	120200050301 – 0307; 0401 – 0406; 0501	0612	5b	354,629

Water Quality Impairment

Describe all known causes (i.e., pollutants of concern) and sources (e.g., agricultural, silvicultural) of water quality impairments or concerns from any of the following sources: *2014 Texas Integrated Report*, Clean Rivers Program Basin Summary/Highlights Reports, or other documented sources.

IMPAIRMENTS (2014 Texas Water Quality Inventory and 303(d) List)

Segment 0612: Attoyac Bayou: From a point 2.4 miles downstream of Curry Creek in Nacogdoches/San Augustine Counties to FM 95 in Rusk County

<u>Listed</u>	<u>Impairment</u>	<u>Category</u>	<u>Year</u>
0612_01: Lower boundary upstream to Polly Branch confluence	bacteria	5b	2004
0612_02: From Polly Branch upstream to Bear Bayou	bacteria	5b	2004
0612_03: Bear Bayou to upper boundary at FM 95	bacteria	5b	2004

CONCERNS (2014 Texas Water Quality Inventory)

0612_02 & 03 ammonia and depressed DO CS (concern screening levels)

SOURCES (2014 Texas Water Quality Inventory)

Bacteria: nonpoint sources and municipal point source discharges; **Ammonia:** unknown sources; **Dissolved Oxygen:** unknown sources

2013 Upper Neches Basin Highlights Report; Angelina-Neches River Authority

Point Sources: numerous point sources including WWTFs for the City of Garrison and Martinsville ISD. Several municipal solid waste sites also reside within the basin.

Non-Point Sources: OSSFs are prevalent in the watershed and may be a contributing factor to bacterial impairments. Livestock and poultry may also be contributors; however, bacterial source tracking results suggest that their contributions are minimal compared to other nonpoint sources. The likelihood of contributions from wildlife and feral hogs are significant.

Project Narrative

Problem/Need Statement

The Attoyac Bayou, Segment 0612, is one sub-watershed within the Upper Neches River Watershed that is considered impaired due to excessive levels of monitored fecal indicator bacteria. The Bayou extends approximately 82 miles from its headwaters in Rusk County and flows through Nacogdoches, San Augustine and Shelby Counties before emptying into Sam Rayburn Reservoir. The watershed contains several named communities including Chireno, Attoyac, Martinsville, Grigsby, Garrison and others; however, these are small rural communities. The remainder of the area is predominantly managed for agricultural (cattle and poultry), silvicultural, recreational and wildlife uses and contains many rural residents and four known permitted wastewater discharges totaling a maximum of 338,000 gallons per day.

In 2009, the Attoyac Bayou Watershed Partnership was formed to address the noted bacteria impairment. Using technical support from the Angelina Neches River Authority, Castilaw Environmental Services, LLC, Stephen F. Austin State University, Texas A&M University and the Texas Water Resources Institute and funding from TSSWCB (Project 09-10) through a project entitled *Development of a Watershed Protection Plan for Attoyac Bayou*, the Attoyac Bayou Watershed Protection Plan (WPP) was completed. This plan outlines an appropriate strategy to address bacteria source contributions in this rural watershed and describes practices that when implemented, will reduce loading contributions to the watershed. EPA accepted the WPP in the spring of 2015.

As noted in the WPP, needed load reductions to meet current water quality standard for *E. coli* in the Attoyac Bayou under high streamflow conditions reach $3.73E+14$ colony forming units of *E. coli* per year. No single management measure is expected to achieve this level of reduction, thus an integrated approach to bacteria management in the watershed needs to be implemented to work toward this water quality goal. The WPP also notes the need for technical and financial assistance to both encourage and support participation of landowners in programs to address bacteria source contributions in the watershed. One specific need noted is that in support of the State's Water Quality Management Plan (WQMP) program. Funding support to hire a SWCD Technician to be housed with the Nacogdoches SWCD to promote and develop WQMPs is needed.

As identified during development of the WPP, nonpoint agricultural sources of pollutant loading may be addressed by implementing BMPs on agricultural operations. Agricultural producers, along with SWCDs, TSSWCB and NRCS, have been collaborating to protect the natural resources in Texas for decades. Through the TSSWCB's WQMP Program, farmers and ranchers routinely implement BMPs on their land utilizing financial and technical assistance programs of SWCDs who receive state and federal funds from TSSWCB, EPA, and NRCS. 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 defined in the NRCS Field Office Technical Guide. SWCDs provide technical assistance to producers seeking to develop a WQMP. TSSWCB and NRCS have various financial assistance programs that help producers implement a WQMP. Because of this, and similar programs, the State of Texas has been able to demonstrate major successes in the improvement of water quality conditions through on-the-ground conservation results.

This project will provide needed support for a SWCD Technician to be hired to initiate and support the implementation of this agricultural management measure identified in the WPP. To date, implementation has focused on the delivery of educational programs in and near the watershed that focus on pertinent natural resource issues such as coping with feral hogs, general watershed and water quality education, and livestock management strategies to protect water quality. This project will build upon those educational efforts and expand the delivery of landscape management education to the watershed's stakeholder base.

Project Narrative

General Project Description (Include Project Location Map)

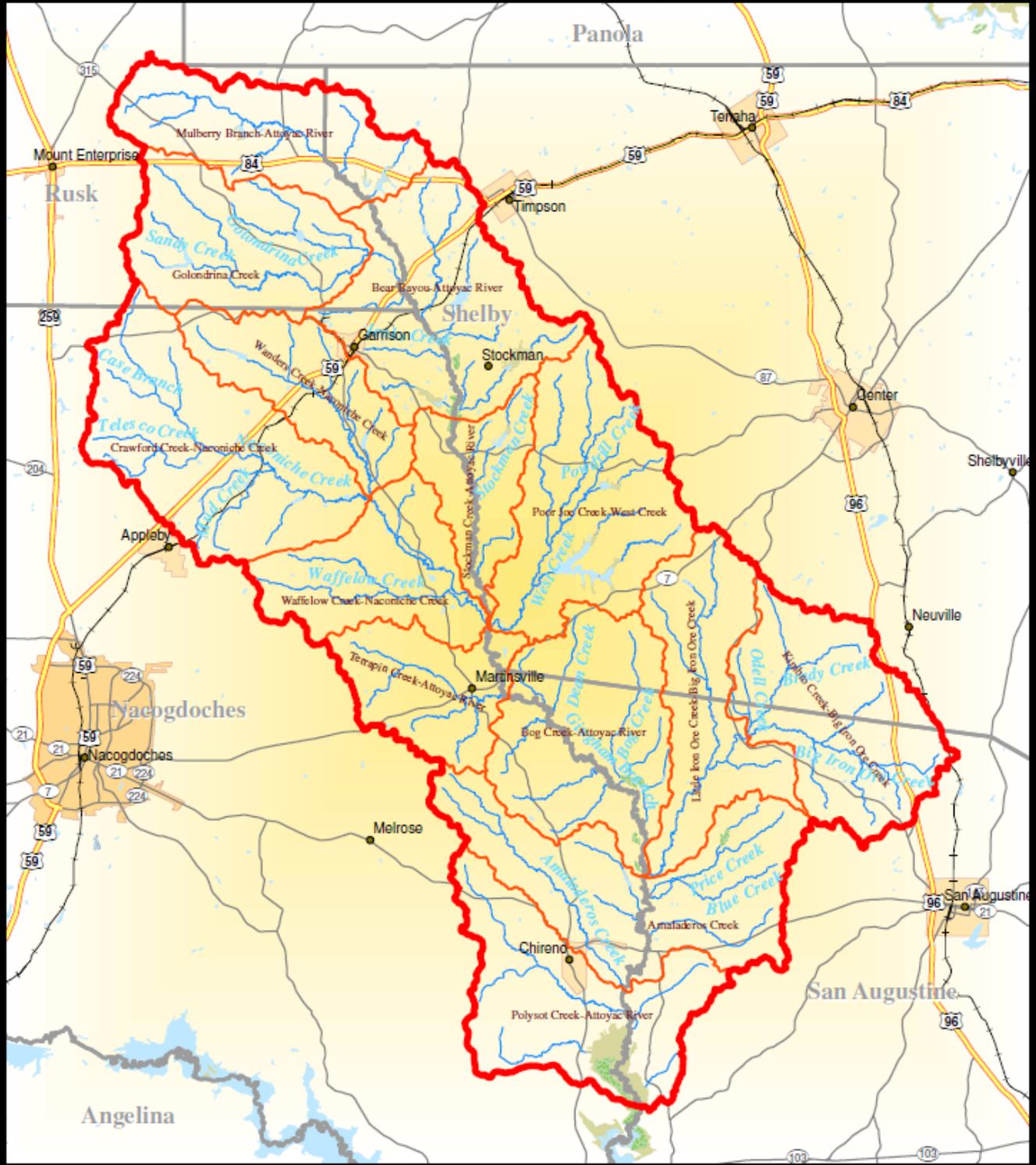
To initiate WQMP development and implementation in the Attoyac Bayou watershed, the Nacogdoches SWCD #401 will hire one District Technician who will provide technical assistance to agricultural producers in developing and implementing WQMPs and Prescribed Grazing Plans in the Attoyac Bayou Watershed. WQMPs are developed according to the NRCS Field Office Technical Guide. Once the WQMP is developed, it will be sent to the appropriate TSSWCB regional office for technical review and certification. Upon certification of the WQMP, the District Technician will work with the landowners to implement the BMPs prescribed in the WQMP.

The District Technician will be placed in the Nacogdoches SWCD office and will work under the direction of the SWCD, with assistance from the TSSWCB, TSSWCB Mt. Pleasant Regional Office, NRCS, and the Watershed Coordinator, as needed. The District Technician also will assist landowners in applying for and obtaining financial incentives to aid in implementation of BMPs prescribed in WQMPs.

The District Technician will conduct annual status reviews on all WQMPs developed and certified through the course of this project to ensure that landowners implement BMPs as specified and agreed to in the WQMP implementation schedule. The District Technician will track utilization of obligated financial incentives and assist landowners in utilizing these funds on schedule. The District Technician will complete an aggregate final report which describes the success of the project including WQMPs developed, BMPs implemented, and financial incentives funds obligated and utilized.

The District Technician also will work with TSSWCB, NRCS and the Watershed Coordinator to educate agricultural producers about water quality issues and how WQMPs and BMPs address NPS pollution from agriculture. The Technician will work with commodity organizations, such as Texas and Southwestern Cattle Raisers Association (TSCRA), Independent Cattlemen's Association of Texas (ICA), Texas Farm Bureau (TFB), and others to educate their members about how BMPs can protect and enhance the value of their operation and achieve water quality goals for the watershed at the same time. The Technician will cooperate and communicate with the Attoyac Bayou Watershed Partnership in order to effectively and efficiently achieve project goals and to summarize activities and achievements made throughout the course of this project.

Attoyac Bayou Watershed



<p>ESRI Detailed Water FTYPRE</p> <ul style="list-style-type: none"> Lake/Pond Stream/Thrive Reservoir Bay 	<ul style="list-style-type: none"> No Mass Level Ditch Floodplain Area Swamp Marsh ESRI Detailed Streams&Chans 	<ul style="list-style-type: none"> County Boundaries Railroad Attoyac, Bigfork, Little, H&C Attoyac Bayou Watershed Segment 012 	<p>Major Roads</p> <p>Road Classification</p> <ul style="list-style-type: none"> Limited Access Highway Secondary Roads Other Highway Ramp
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Location Map
 Created By: Trey Anderson
 April 07, 2009

CASTILAW
 ENVIRONMENTAL SERVICES, LLC

NAOGODOCHES, TX SULPHUR SPRINGS, TX
 936-559-9991 903-885-0318

Tasks, Objectives and Schedules						
Task 1	Project Administration					
Costs	Federal	\$15,773	Non-Federal	\$0	Total	\$15,773
Objective	To effectively administer, coordinate and monitor all work performed under this project including technical and financial supervision and preparation of status reports.					
Subtask 1.1	The Nacogdoches SWCD will prepare electronic quarterly progress reports (QPRs) for submission to the TSSWCB. QPRs shall document all activities performed within a quarter and shall be submitted by the 15 th of January, April, July and October. QPRs shall be distributed to all Project Partners.					
	Start Date:	Month 1		Completion Date:	Month 36	
Subtask 1.2	The Nacogdoches SWCD will perform accounting functions and will submit appropriate Reimbursement Forms to TSSWCB at least monthly.					
	Start Date:	Month 1		Completion Date:	Month 36	
Subtask 1.3	The Nacogdoches SWCD will host coordination meetings or conference calls with the TSSWCB Project Manager, TSSWCB Field Representative and Extension, at least quarterly, to discuss project activities, project schedule, communication needs, deliverables, and other requirements. The Nacogdoches SWCD will develop lists of action items needed following each project coordination meeting and distribute to project personnel.					
	Start Date:	Month 1		Completion Date:	Month 36	
Subtask 1.4	Nacogdoches SWCD will complete one financial audit during the project period.					
	Start Date:	Month 1		Completion Date:	Month 36	
Subtask 1.5	The Nacogdoches SWCD will develop a final report at the culmination of the project. At a minimum the Final Report shall describe the success of the project including WQMPs developed and BMPs implemented.					
	Start Date:	Month 1		Completion Date:	Month 36	
Deliverables	<ul style="list-style-type: none"> • Quarterly Progress Reports in electronic format • Reimbursement forms and necessary documentation in hard copy format • Final Report in electronic and hard copy formats 					

Tasks, Objectives and Schedules						
Task 2	Promotion and Implementation of the TSSWCB WQMP Program					
Costs	Federal	\$137,721	Non-Federal	\$0	Total	\$137,721
Objective	To promote WQMP development and implementation, encourage participation, and provide technical assistance to agricultural producers for the development and implementation of WQMPs. Promote the availability of financial incentives to support BMP implementation. Track implementation of WQMPs to achieve load reductions as identified in the Attoyac Bayou WPP.					
Subtask 2.1	The Nacogdoches SWCD will hire one District Technician to promote, develop, and implement WQMPs.					
	Start Date:	Month 1		Completion Date:	Month 36	
Subtask 2.2	The District Technician will identify landowners in priority areas to distribute notifications announcing the availability of technical assistance and financial incentives for developing and implementing WQMPs. The District Technician will develop and distribute flyers, brochures, letters, news releases and other appropriate promotional publications to encourage participation from agricultural producers. TSSWCB must approve all announcements, letters and publications prior to distribution.					
	Start Date:	Month 1		Completion Date:	Month 36	
Subtask 2.3	The District Technician will work with TSSWCB, NRCS and the Attoyac Bayou Watershed Coordinator to educate producers about water quality issues and how WQMPs and BMPs address pollutant contamination from agriculture.					
	Start Date:	Month 1		Completion Date:	Month 36	

Subtask 2.4	The District Technician 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.				
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Subtask 2.5	The District Technician, with assistance from NRCS and TSSWCB, will assist landowners in the development of WQMPs and associated Prescribed Grazing Plans. The District Technician will develop at least 5 WQMPs but shall strive to develop additional WQMPs beyond the 5.				
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Subtask 2.6	The District Technician, with assistance from NRCS and TSSWCB, will assist landowners in applying for and obtaining financial incentives to aid in implementation of BMPs prescribed in WQMPs. \$75,000 in CWA §319(h) funding (TSSWCB project 16-02) is available as financial incentive through the TSSWCB WQMP Program. Landowners shall be eligible to receive a maximum financial incentive amount of \$15,000 from the TSSWCB §319(h) funds. The maximum financial incentive rate shall not exceed 60% of the cost of implementation of the BMPs. The remaining 40% will be provided by the landowner. Financial incentives will be based on actual costs not to exceed the average cost of the practice.				
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Subtask 2.7	The District Technician will prioritize WQMP development and financial incentive applications consistent with the priority areas identified in the WPP.				
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Subtask 2.8	The District Technician will conduct annual status reviews on all WQMPs developed and certified through the course of this project and any existing WQMPs (certified prior to this project) in the Attoyac Bayou watershed to ensure that landowners implement BMPs as specified and agreed to in the WQMP implementation schedule. The District Technician will document any follow-up technical assistance needed or necessary modifications to the WQMP implementation schedule.				
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Start Date:	Month 1	Completion Date:	Month 36		
Subtask 2.9	The District Technician will track utilization of obligated financial incentives. The District Technician, with assistance from TSSWCB and NRCS, will assist landowners in utilizing obligated financial incentives on schedule.				
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Subtask 2.10	To encourage the use of soil testing in support of Nutrient Management (590), the Nacogdoches SWCD, will assist holders of WQMPs in the acquisition of current soil tests. This project will pay up to \$10 per soil test sample; this project will pay for all soil tests necessary to comply with soil testing frequencies described in each WQMP and consistent with the NRCS practice standard for Nutrient Management (590). Soil tests paid for with project funding must be completed by a public soil testing laboratory, such as the Texas A&M AgriLife Extension Service Soil, Water and Forage Testing Laboratory.				
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Subtask 2.11	The District Technician will create a spreadsheet and map describing and showing the location of all WQMPs developed and BMPs implemented through the project. The map will not reveal the identity or exact location of any producer.				
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Start Date:	Month 1	Completion Date:	Month 36		
Subtask 2.12	The District Technician will meet monthly with the Nacogdoches SWCD and other parties to efficiently and effectively achieve project goals; summarize activities and achievements made throughout the course of this project; and discuss project activities, project schedule, communication needs, deliverables, and other requirements.				
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Start Date:	Month 1	Completion Date:	Month 36		
Subtask 2.13	The District Technician will cooperate and communicate with the Attoyac Bayou Watershed Coordinator in order to efficiently and effectively achieve project goals and to summarize activities and achievements made throughout the course of this project. Specifically, the District Technician				

	will, at least, participate in any stakeholder meetings held under the auspices of the Attoyac Bayou Watershed Partnership.			
	Start Date:	Month 1	Completion Date:	Month 36
Deliverables	<ul style="list-style-type: none"> • Promotional and educational publications, as developed and distributed • Status reviews for WQMPs • Map of project area showing location of WQMPs developed; map will not reveal the identity of any landowner 			

Project Goals (Expand from Summary Page)

- Provide technical assistance to agricultural producers for the development of Water Quality Management Plans (WQMPs) and implementation of Best Management Practices (BMPs) and track progress
- Provide educational programs to increase stakeholders and citizens knowledge about water quality issues in the watershed
- To conduct status reviews on WQMPs to track implementation success
- To foster coordinated technical assistance between TSSWCB, SWCDs and NRCS
- Inform and coordinate project efforts with the Attoyac Bayou Watershed Partnership and Coordinator

Measures of Success (Expand from Summary Page)

- Provide needed technical assistance to agricultural producers
- Development and implementation of WQMPs
- Implementation of agricultural management measures outlined in the Attoyac Bayou WPP
- Reduction in potential pollutant loads of streams from NPS pollution from agricultural operations

2012 Texas NPS Management Program Reference (Expand from Summary Page)

Components, Goals, and Objectives

Component One – Explicit short- and long-term goals, objectives and strategies that protect surface and ground water.
 Long-Term Goal – Protect and restore water quality affected by NPS pollution through assessment, implementation, and education.

- Objective 1 – Focus NPS abatement efforts, implementation strategies, and available resources in watersheds and aquifers identified as impacted by nonpoint source pollution.
- Objective 2 – Support the implementation of state, regional, and local programs to prevent NPS pollution through assessment, implementation, and education.
- Objective 3 – Support the implementation of state, regional, and local programs to reduce NPS pollution, such as the implementation of strategies defined in TMDL I-Plans, WPPs, and other water planning efforts in the state..

Short-Term Goal Two – Implementation – Coordinate the NPS Program to support the implementation of TMDL I-Plans ...and other state, regional, and local plans/programs to reduce NPS pollution ...[by] target[ing] implementation activities to the areas identified as impacted

- Objective A – Work with regional and local entities to determine priority areas and develop and implement strategies to address NPS pollution in those areas.
- 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
- Objective D – Implement TMDL I-Plans, WPPs, and other state, regional, and local plans developed to restore and maintain water quality in waterbodies identified as impacted by NPS pollution.

Short-Term Goal Three – Education – Conduct education and technology transfer activities to increase awareness of NPS pollution and activities which contribute to the degradation of water bodies, including aquifers, by NPS pollution

- Objective A – Enhance existing outreach programs at the state, regional, and local levels to maximize the effectiveness of NPS education.
- Objective D – Conduct outreach through the CRP, AgriLife Extension, SWCDs, and others to 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.
- Objective G – Implement public outreach and education to maintain and restore water quality in water bodies by NPS pollution.

Component Two – Working partnerships and linkages to appropriate state, regional, and local entities, private sector groups, and federal agencies.

Component Three – Balanced approach that emphasizes both statewide NPS programs and on-the-ground management of individual watersheds.

Component Four – Abatement of water quality impairments from NPS pollution and prevention of significant threats to water quality from present and future NPS activities.

Estimated Load Reductions Expected (Only applicable to Implementation Project Type)

Load reductions expected from implementing this project are based on the calculations for *E. coli* load reductions included in the Attoyac Bayou WPP. Specifically these calculations are denoted in Appendix A on pages A-6 through A-10. Load reductions per WQMP are also mentioned in Management Recommendation 1 on p. 63.

This project will provide funding for development and implementation of at least 5 WQMPs in the Attoyac Bayou watershed. Using the pollutant load reduction calculations and assumptions for each WQMP outlined in the WPP, the loading reductions expected to be achieved by fully implementing the practices noted in each of the 5 WQMPs is as follows:

Practice Implemented (Location)	Estimated <i>E. coli</i> Load Reductions Expected (cfu/yr)
Prescribed Grazing (Riparian pasture)	1.35 E+13
Prescribed Grazing (Upland pastures)	1.08 E+13
Watering Facility (Riparian pastures)	1.66 E+13
Cross Fencing (Riparian Pastures)	8.22 E+12
Cross Fencing (Upland Pastures)	6.58 E+12
WQMP Reduction Total	5.58 E+13

When the Attoyac Bayou WPP was completed, TSSWCB had already certified 112 WQMPs in the watershed. These plans were primarily focused on poultry production; however, they did include 7,104 ac of prescribed grazing, 1,336 ac of filter strips, and 5,111 ac of upland wildlife habitat.

Participation in the TSSWCB WQMP Program by individual ranchers and farmers is voluntary. The decision to participate is based on a number of factors, including the producer’s ability to provide the cost-share match (40% in this project). Adoption of BMPs and participation in the WQMP Program by producers is highly dependent on the success or failure of outreach and education initiatives and social marketing campaigns. Effectiveness of particular BMPs in reducing pollutants is dependent on a myriad of factors, including natural weather phenomena and the ability of producers to correctly install, operate, maintain or manage the BMP. There will be complementary nitrogen and sediment load reductions achieved from livestock and cropland WQMPs, and supplementary bacteria load reductions achieved from livestock and cropland WQMPs. With these factors accounted for, the estimated load reductions to be expected, as presented above, should be regarded as the “best case scenario” with probability that actual load reductions achieved will be less.

The mechanism for reporting pollutant load reductions achieved through implementation of BMPs funded with CWA §319(h) monies is through the EPA Grants Reporting and Tracking System (GRTS). Actual load reductions achieved can only be reported after the BMPs are installed and operational.

EPA State Categorical Program Grants – Workplan Essential Elements

FY 2014-2018 EPA Strategic Plan Reference

Strategic Plan Goal – Goal 2 Protecting America’s Waters

Strategic Plan Objective – Objective 2.2 Protect and Restore Watersheds and Aquatic Ecosystems

Part III – Financial Information

Budget Summary				
Federal	\$	153,494	% of total project	100%
Non-Federal	\$	0	% of total project (≥ 40%)	0%
Total	\$	153,494	Total	100%
Category		Federal	Non-Federal	Total
Personnel	\$	118,400	\$ 0	\$ 118,400
Fringe Benefits	\$	16,950	\$ 0	\$ 16,950
Travel	\$	10,494	\$ 0	\$ 10,494
Equipment	\$	0	\$ 0	\$ 0
Supplies	\$	2,900	\$ 0	\$ 2,900
Contractual	\$	4,000	\$ 0	\$ 4,000
Construction	\$	0	\$ 0	\$ 0
Other	\$	750	\$ 0	\$ 750
Total Direct Costs	\$	153,494	\$ 0	\$ 153,494
Indirect Costs (≤ 15%)	\$	0	\$ 0	\$ 0
Total Project Costs	\$	153,494	\$ 0	\$ 153,494

Budget Justification (Federal)		
Category	Total Amount	Justification
Personnel	\$ 118,400	1 full-time technician for 3 years (\$113,000) 1 part-time Bookkeeper @ \$15/hr for 10hrs/month for 3 years (\$5,400)
Fringe Benefits	\$ 16,950	Fringe benefits calculated @ 15%
Travel	\$ 10,494	6,000 miles/yr @ state rate (\$9,720) Per diem @ \$46/day and hotel expenses @ \$83/night for 6 overnight trips (\$774)
Equipment	\$ 0	N/A
Supplies	\$ 2,900	Office supplies include pens, pencils, paper, printer cartridges, folders, envelopes, mailing labels, flash drives, etc. for SWCD @ \$25/month for 3 years (\$900); laptop and printer @ \$2,000
Contractual*	\$ 4,000	Financial audit for Nacogdoches SWCD
Construction	\$ 0	N/A
Other	\$ 750	Job posting (\$300); Soil tests (25 soil samples at \$10/test = \$250); postage for mailings and soil samples (\$200)
Indirect	\$ 0	N/A

Budget Justification (Non-Federal)		
Category	Total Amount	Justification
Personnel	\$ 0	N/A
Fringe Benefits	\$ 0	N/A
Travel	\$ 0	N/A
Equipment	\$ 0	N/A
Supplies	\$ 0	N/A
Contractual*	\$ 0	N/A
Construction	\$ 0	N/A
Other	\$ 0	N/A
Indirect	\$ 0	N/A