

**Soil and Water Conservation District  
Water Quality Management Plan  
Development, Implementation, and/or Maintenance Assistance  
Texas State Soil and Water Conservation Board**

Nonpoint Source Summary Page  
FY02 319 (h) #02-12

**1. Title of Project:** Soil and Water Conservation District Water Quality Management Plan Development, Implementation, and/or Maintenance Assistance.

**2. Project Goals/Objectives:** (1) To foster coordinated technical assistance activities between the Texas State Soil and Water Conservation Board (TSSWCB) and local Soil and Water Conservation Districts (SWCDs). (2) To provide technical assistance to landowners to aid in the development, implementation, and/or maintenance of Water Quality Management Plans (WQMPs) through Senate Bill 1339 (SB1339), Senate Bill 503 (SB503) and Clean Water Act (CWA) Section 319(h). (3) To map the location and types of WQMPs and Best Management Practices (BMPs) implemented.

**3. Project Tasks:** (1) Program Coordination with Project Participants, (2) Provide Technical Assistance To Aide In The Development, Implementation, and/or Maintenance Of WQMPs, (3) Education and Technology Transfer.

**4. Measures of Success:** Development, implementation, and/or maintenance of WQMPs in SWCDs throughout the duration of the project. Documentation of technical assistance provided to landowners. Map of locations, types and amounts of BMPs implemented.

**5. Project Type:** Statewide (X); Watershed (X); Demonstration (); District (X)

**6. Waterbody Type:** River (X); Groundwater (); Reservoir (X); Other ()

**7. Project Location:** Statewide

**8. NPS Management Program Reference:** State of Texas Agricultural/Silvicultural Nonpoint Source Management Program approved February 25, 2000.

**9. NPS Assessment Report Status:** Impaired (X); Threatened (X); Other (X); TMDL (X)

**10. Key Project Activities:** Hire Staff (X); Monitoring (); Regulatory Assistance (); Technical Assistance (X); Education (X); Implementation (X); Demonstration (); Other ()

**11. NPS Management Program Elements:** Implementing Milestones from the 1999 Texas Nonpoint Source Pollution Assessment Report and Management Program as follows:

- Provide technical assistance to Soil and Waters Conservation Districts for the implementation of Water Quality Management Plans to reduce NPS pollution.
- Coordination with Federal, State, and Local Programs
- TSSWCB is committed to technology transfer, technical support, administrative support and cooperation between agencies and programs for the prevention of NPS pollution.

**12. Project Costs:** Federal \$700,803; Non-Federal Match \$204,240; Total Project \$905,043

**13. Project Management:** Texas State Soil and Water Conservation Board and Soil and Water Conservation Districts

**14. Project Period:** 9/11/02 – 8/31/07

**Soil and Water Conservation District  
 Water Quality Management Plan  
 Development, Implementation, and/or Maintenance Assistance  
 Texas State Soil and Water Conservation Board  
 FY02 CWA Section 319(h)**

**WORKPLAN**

**Problem/Need Statement:**

The basis for this project is to expand the activities of the TSSWCB and SWCDs in an effort to reduce nonpoint source (NPS) pollution loadings into segments listed on the Texas 2000 CWA Section 303(d) list.

As the lead agency for the State of Texas in abating agricultural NPS pollution, the TSSWCB works closely with local SWCDs to reduce NPS pollution from various agricultural activities. The TSSWCB addresses the prevention or abatement of NPS pollution through the WQMP program. A WQMP is a site-specific plan, which includes appropriate land treatment practices, production practices, technologies and combinations thereof, and an implementation schedule. This program is administered by the TSSWCB and provides agricultural producers an opportunity to comply with state water quality laws through traditional voluntary incentive-based programs. The TSSWCB oversees and is responsible for the cost-share component of the program. The local SWCDs are required to provide or arrange for technical assistance to applicants to develop WQMPs.

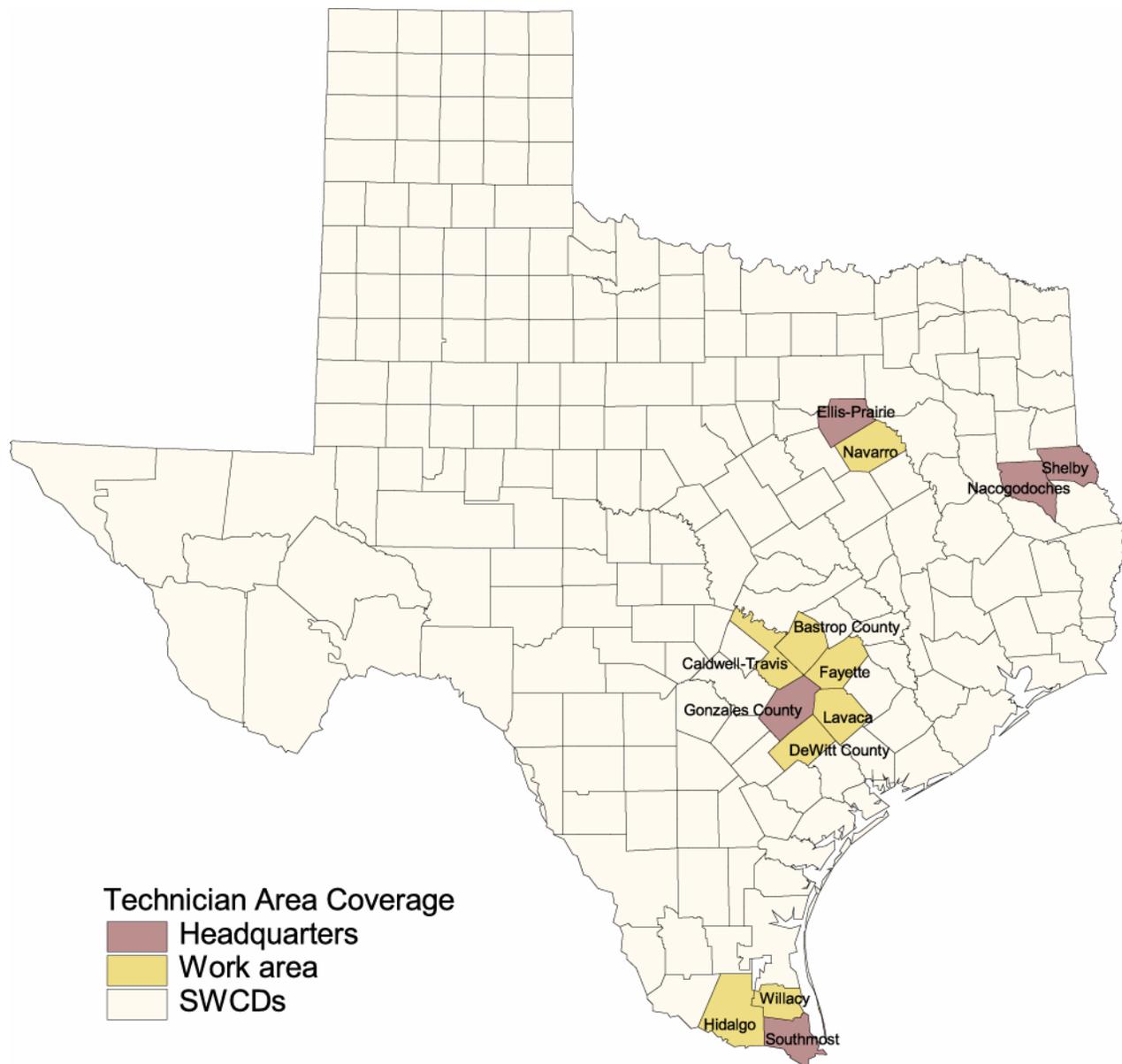
**General Project Description:**

This proposed project consists of TSSWCB working cooperatively with SWCDs to provide technical assistance to landowners in the development, implementation, and/or maintenance of WQMPs that aid in the reduction and/or abatement of agricultural/silvicultural NPS pollution. The use of 319(h) funds greatly improves and enhances the abilities of local SWCDs to assist landowners in the development, implementation and/or maintenance of WQMPs/BMPs.

In this project, five technicians will work under the direction of the SWCDs, with assistance when needed from the TSSWCB regional offices and NRCS to assist landowners in the development, implementation, and/or maintenance of WQMPs. The technicians will be placed in five SWCDs listed below and will work in adjacent SWCDs through cooperative agreements between the participating SWCDs as identified in the attached map.

| <b>Lead SWCDs</b>    | <b>Cooperating SWCD(s)</b>   | <b>Time Frame</b>   |
|----------------------|--|---------------------|
| Ellis-Prairie SWCD   | Navarro SWCD   | Month 1 – Month 39  |
| Shelby SWCD          |  | Month 1 – Month 60  |
| Southmost SWCD       | Willacy SWCD, Hidalgo SWCD   | Month 1 – Month 39  |
| Gonzales County SWCD | Fayette SWCD, Lavaca SWCD, DeWitt SWCD, Bastrop SWCD and Caldwell SWCD | Month 48 – Month 60 |
| Nacogdoches SWCD     |  | Month 48 – Month 60 |

The technicians, supervised by the local SWCDs, will work closely with producers to provide technical assistance for the development, implementation, and/or maintenance of WQMPs/BMPs. Technical assistance is best provided by local SWCDs because it allows for greater local support from landowners in the development, implementation, and/or maintenance of WQMPs/BMPs.



The objective of WQMP implementation is to achieve a level of NPS pollution prevention or abatement determined by the TSSWCB, in consultation with the local SWCDs, to be consistent with state water quality standards. Highest priority is given to the implementation of the most cost effective and most needed NPS pollution abatement practices. Highest priority will be given to producers requesting technical assistance for the development, implementation, and/or maintenance of WQMPs/BMPs addressing the priority concern identified by the TSSWCB for the area. Priority concerns in each of the areas are as follows:

| Cooperating SWCDs   | Waterbodies Benefited from 303(d) List                            | Priority Concern Addressed                             |
|---|---|--|
| Ellis-Prairie, and Navarro SWCDs                              | 0805, 0814, 0815, 0817, 0816, 0819, 0829, 0860, 0838, 0841        | Pesticide Management (Atrazine) and Erosion Control    |
| Shelby SWCD   | 0504, 0612  | Animal Feeding Operations – Poultry (Bacteria. Low DO) |
| Southmost, Hidalgo, and Willacy SWCDs                         | 2201, 2202, 2302, 2491, 2501                                      | Irrigation Management and Erosion Control              |
| Gonzales, Fayette, Lavaca, DeWitt, Bastrop and Caldwell SWCDs | 1403K, 1427, 1427A, 1429B, 1429C, 1602, 1803A, 1803B, 1803C, 1810 | Animal Feeding Operations – Poultry (Bacteria; Low DO) |
| Nacogdoches SWCD  | 0610, 0611, 0611A, 0611B, 0612, 0615                              | Animal Feeding Operations – Poultry (Bacteria. Low DO) |

Upon compiling the list of producers who are interested in assistance, applicants will be ranked based on proximity to impaired stream segments, and greatest need of WQMP development/implementation. All activities on an operating unit will be covered under the WQMP. To obtain a WQMP, landowners and operators must first submit a request to the local SWCD. The District will review the request and assign a priority and number to each request. Upon approval of the request by the SWCD, the technician will work with the landowners to develop the WQMP. WQMPs that are developed will be completed according to the NRCS Field Office Technical Guide. Some of the activities that the technician will work on include:

- Developing conservation plan maps showing boundaries, field, land use, acres and facilities
- Acquire soil maps with appropriate interpretations
- Develop an implementation schedule
- Complete worksheets used during the planning phases (forage inventories, grazing plans, erosion worksheets, and field notes)

Once the technician completes the WQMP, it will be sent by the SWCD to the appropriate TSSWCB regional office for technical review and certification. Upon certification of the WQMP by the TSSWCB, the technician will work with the landowner in taking the appropriate steps needed to implement the WQMP. The appropriate TSSWCB regional office will provide technical review of developed WQMPs during this project to ensure that the WQMPs are consistent with TSSWCB specifications and procedures. The technical review of developed WQMPs by the regional office will provide a portion of the match required for this project.

**Tasks, Objectives, Schedules, and Estimated Costs:**

TASK 1: Program Coordination with Project Participants

Costs: \$459,050 (Federal), \$147,240 (Non-Federal Match), \$606,290 (Total).

**Objective:** Five technicians will be hired by the SWCDs to coordinate technical assistance activities in the SWCD between the TSSWCB, local SWCDs, NRCS, and all other interested parties.

**Subtask 1.1** One technician (five in total) will be hired by each of the lead SWCDs listed in the previous section. Each technician will be responsible for developing, implementing, and/or maintaining WQMPs, conducting status reviews, and completing other project related tasks.  
 (Start Date: Month 1; Completion Date: Month 60)

**Subtask 1.2** The technicians will meet semi-annually with the TSSWCB project manager to review project progress, events, final report development, etc. (Start Date: Month 1; Completion Date: Month 60)

**Subtask 1.3** The technicians will meet monthly with cooperating SWCDs and other interested parties to discuss project activities as well as other district activities. (Start Date: Month 1; Completion Date: Month 60)

**Subtask 1.4** The technicians will complete and submit quarterly reports to the TSSWCB project manager. The TSSWCB project manager will set the appropriate due dates of these reports. (Start Date: Month 1; Completion Date: Month 60)

**Subtask 1.5** The technicians, with help from other entities involved in the project will complete and submit a final report to the TSSWCB at the culmination of the project. This report will be completed and provided to the TSSWCB 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 60)

**Deliverables:**

- Quarterly reports
- Copies agendas, attendance, handout information, and minutes from semi-annual meetings
- Final report

**TASK 2: *Development, implementation, and/or maintenance of WQMPs/BMPs***

Costs: \$217,482 (Federal), \$57,000 (Non-Federal Match), \$274,482 (Total).

**Objective:** The objective of this task is to provide technical assistance to landowners in the SWCDs through the development, implementation, and/or maintenance of WQMPs.

**Subtask 2.1** The technicians, with assistance from the NRCS, and the TSSWCB regional offices, will provide landowners with information on appropriate best management practices and will work with landowners in developing, implementing and maintaining WQMPs/BMPs within the SWCDs. (Start Date: Month 1; Completion Date: Month 60)

**Subtask 2.2** TSSWCB will provide technical review and certification of WQMPs. (Start Date: Month 1; Completion Date: Month 60)

**Subtask 2.3** The SWCD technicians will create a map with a quantifiable breakdown showing the location of all WQMPs/BMPs implemented and developed within the SWCDs throughout the project. This map will not reveal the identity or exact location of any producer. (Start Date: Month 1; Completion Date: Month 60)

**Subtask 2.4** The technicians will conduct annual status reviews on WQMPs developed and certified through the project. (Start Date: Month 1; Completion Date: Month 60)

**Deliverables:**

- Status reviews
- Map of project area and BMPs implemented with a quantifiable breakdown for each Best Management Practice.

### **Task 3 Education and Technology Transfer**

Costs: \$24,271 (Federal), \$0 (Non-Federal Match), \$24,271 (Total).

**Objective:** The objective of this task is to provide producers in the SWCDs listed above with proper information about their operation and water quality. This information will be disseminated through the SWCD technicians, TSSWCB, NRCS, as well as other entities involved in the conservation effort associated with this project.

**Subtask 3.1** The technicians will be responsible for the dissemination of information to producers throughout the duration of the project. This information may include topics such as, WQMPs, proper soil sampling, and other issues for the agricultural industry. (Start Date: Month 1; Completion Date: Month 60)

#### **Deliverables:**

- Disseminated information

#### **Coordination, Roles and Responsibilities:**

Participating organizations and agencies along with their roles in this project include:

- **Texas State Soil & Water Conservation Board**- Over all management of project activities. Responsible for technical review and certification of WQMPs. Work with and assist, as needed, local SWCDs in the implementation, development, and/or maintenance of WQMPs/BMPs.
- **SWCDs** – Responsible for the supervision of the five technicians. Responsible for developing, implementing, and/or maintaining WQMPs/BMPs within the SWCDs. Responsible for tracking the implementation of WQMPs/BMPs. Responsible for all project related deliverables.
- **USDA/NRCS**- Provide training as necessary to the technicians. Ensure that all WQMPs meet Field Office Tech Guide.

#### **Public Participation:**

This is an internal TSSWCB project with the regional offices, NRCS, and the SWCDs. This project will provide technical assistance to landowners in the SWCDs for the development, implementation, and/or maintenance of WQMPs.

#### **Measures of Success:**

- Provide needed technical assistance to agricultural and silvicultural producers
- Implementation, development, and/or maintenance of WQMPs.
- Reduction in NPS pollution from WQMP implementation

#### **Reference to Project in the NPS Management Program:**

Category: Agriculture

#### **TSSWCB Project Manager:**

Name: Lee Munz  
Address: P.O. Box 658  
Temple, Texas 76503  
Phone #: (254) 773-2250  
Affiliation: Texas State Soil & Water Conservation Board  
E-Mail: [lmunz@tsswcb.state.tx.us](mailto:lmunz@tsswcb.state.tx.us)

| <u>Object Class Category</u>                  | <u>Federal Funds</u> | <u>Non-Federal Match</u> | <u>Total Costs</u> |
|---|----------------------|--------------------------|--------------------|
| <b>1. Personnel</b>                           |                      |                          |                    |
| Ellis-Prairie SWCD                            |                      |                          |                    |
| One Technician at Ellis-Prairie SWCD          |                      |                          |                    |
| 100% Effort                                   | \$48,757             | \$0                      | \$48,757           |
| Bookkeeper \$10/hr @ 16 hrs/month             | \$5,760              | \$0                      | \$5,760            |
| District Board Members                        | \$0                  | \$4,500                  | \$4,500            |
| Shelby SWCD                                   |                      |                          |                    |
| One Technician at Shelby SWCD                 |                      |                          |                    |
| 100% Effort Bookkeeper \$10/hr @ 16 hrs/month | \$145,440            | \$0                      | \$145,440          |
| Nacogdoches SWCD                              |                      |                          |                    |
| One Technician at Nacogdoches SWCD            |                      |                          |                    |
| 100% Effort                                   | \$29,200             | \$0                      | \$29,200           |
| Limestone-Falls SWCD technician               | \$0                  | \$21,540                 | \$21,540           |
| Limestone-Falls SWCD technician               | \$0                  | \$21,540                 | \$21,540           |
| Robertson County SWCD technician              | \$0                  | \$21,540                 | \$21,540           |
| District Board Members                        | \$0                  | \$4,500                  | \$4,500            |
| Nacogdoches SWCD                              |                      |                          |                    |
| Bookkeeper \$10/hr @ 16 hrs/month             | \$12,955             | \$0                      | \$12,955           |
| District Board Members                        | \$0                  | \$4,500                  | \$4,500            |
| Southmost SWCD                                |                      |                          |                    |
| One Technician at Southmost SWCD              |                      |                          |                    |
| 100% Effort                                   | \$107,785            | \$0                      | \$107,785          |
| Bookkeeper \$10/hr @ 16 hrs/month             | \$5,760              | \$0                      | \$5,760            |
| District Board Members                        | \$0                  | \$4500                   | \$4500             |
| Gonzales SWCD                                 |                      |                          |                    |
| One Technician at Gonzales SWCD               |                      |                          |                    |
| 100% Effort                                   | \$30,330             | \$0                      | \$30,330           |
| Limestone-Falls SWCD technician               | \$0                  | \$21,540                 | \$21,540           |
| Limestone-Falls SWCD technician               | \$0                  | \$21,540                 | \$21,540           |
| Robertson County SWCD technician              | <u>\$0</u>           | <u>\$21,540</u>          | <u>\$21,540</u>    |
| Subtotal Personnel                            | \$385,987            | \$147,240                | \$533,227          |
| <b>2. Fringe Benefits</b>                     |                      |                          |                    |
| Benefits@ 28% Benefits@ 11.8%                 | <u>\$73,063</u>      | <u>\$0</u>               | <u>\$73,063</u>    |
| Subtotal Fringe                               | \$73,063             | \$0                      | \$73,063           |
| <b>3. Travel</b>                              |                      |                          |                    |
| mileage @ \$.345/mi for 750 mi/month          | <u>\$15,990</u>      | <u>\$0</u>               | <u>\$15,990</u>    |
| Subtotal Travel                               | \$15,990             | \$0                      | <u>\$15,990</u>    |
| <b>4. Equipment</b>                           |                      |                          |                    |
| 4 wheeler for Southmost SWCD                  | \$5,000              | \$0                      | \$5,000            |

|   |                 |            |                 |
|---|-----------------|------------|-----------------|
| <b>5. Supplies</b>                                |                 |            |                 |
| Laptop computer for Shelby SWCD office            | \$2,500         | \$0        | \$2,500         |
| Office furniture for Shelby SWCD office           | \$650           | \$0        | \$650           |
| Computer for Southmost SWCD                       | \$2,810         | \$0        | \$2,810         |
| General Office Supplies @ 50/month                | <u>\$10,800</u> | <u>\$0</u> | <u>\$10,800</u> |
| Subtotal Supplies                                 | \$16,760        | \$0        | \$16,760        |
| <b>6. Contractual</b>                             |                 |            |                 |
| NRCS - Training (Shelby)                          | \$19,462        | \$0        | \$19,462        |
| NRCS - Office Space (Southmost)                   | \$1,600         | \$0        | \$1,600         |
| Financial Audit                                   | <u>\$10,500</u> | <u>\$0</u> | <u>\$10,500</u> |
| Subtotal Contractual                              | \$31,562        | \$0        | \$31,562        |
| <b>7. Construction</b>                            | \$148,170       | \$57,000   | \$205,170       |
| <b>8. Other</b>                                   |                 |            |                 |
| Office rental for Shelby SWCD @ \$250/month       | \$9,000         | \$0        | \$9,000         |
| Phone service for Shelby SWCD office @ \$50/month | \$1,800         | \$0        | \$1,800         |
| Phone, Fax, Truck & Gas for Ellis-Prairie SWCD    | \$3,436         | \$0        | \$3,436         |
| Southmost   | \$1,395         | \$0        | \$1,395         |
| Truck gas, maintenance, etc.                      | <u>\$8,640</u>  | <u>\$0</u> | <u>\$8,640</u>  |
| Subtotal Other                                    | \$24,271        | \$0        | \$24,271        |
| <b>9. Total Direct Costs</b>                      | \$700,803       | \$204,240  | \$905,043       |
| <b>10. Indirect Costs</b>                         | <u>\$0</u>      | <u>\$0</u> | <u>\$0</u>      |
| <b>11. Total Project Costs</b>                    | \$700,803       | \$204,240  | \$905,043       |