



**Nacogdoches Soil & Water Conservation District
#401**

Chris Crenshaw

**Implementation of the Attoyac Bayou Watershed
Protection Plan**



SWCD History

- A soil and water conservation district, like a school district, is a subdivision of state government. The program and plan of work the district is developed according to local needs.
- A soil and water conservation district is brought into existence by a vote of landowners within the boundaries of a district and is administered by a board of five directors elected by fellow landowners.



Nacogdoches SWCD & Attoyac Bayou Watershed

The Nacogdoches SWCD partnered with the Texas State Soil and Water Conservation Board (TSSWCB) through a Clean Water Act Section 319(h) grant to provide technical and financial assistance to producers in the Attoyac Bayou Watershed for the development and implementation of Water Quality Management Plans (WQMPs).



Water Quality Management Plans



NACOGDOCHES SWCD
1122 N University Drive, Box B
Nacogdoches, TX 75961
(936) 564 - 5891 x 3

CHRIS CRENSHAW
DISTRICT TECHNICIAN

Conservation Plan

Farmer Brown
123 A Road
A Town, TX 12345

Fence (382)

Build cross fence to NRCS standards and specifications for the purpose of rotational grazing.

Tract	Field	Planned Amount	Month	Year	Applied Amount	Date
No Tract	2	28 ft	4	2016		
No Tract	4	45.5 ft	4	2016		
	Total:	73.5 ft				

Forage and Biomass Planting (512)

Prepare a clod free seedbed following root plowing by disking to a depth of 6-8 inches and smooth with a heavy drag. Sprig COASTAL BERMUDAGRASS at the rate of 24-40 bu/ac between January 1 and June 1. Broadcast Coastal Bermudagrass sprigs (May 30-June 15) at the rate of 12-20 bu/ac on the soil surface, disk sprigs under and firm seedbed with a roller packer to help conserve soil moisture. Fertilize for establishment according to a current soil test. Ensure pH is between 5.5 and 7.0. Control weeds by shredding or with the use of approved herbicides. Apply herbicides according to the product label. Pasture will be deferred from livestock grazing until grass becomes well established (not easily

Tract	Field	Planned Amount	Month	Year	Applied Amount	Date
No Tract	2	20.5 ac	6	2016		
No Tract	4	5.5 ac	6	2016		
	Total:	26 ac				

Heavy Use Area Protection (561)

This practice is applied every year to protect areas from soil erosion by maintaining vegetative cover around poultry houses, barns, roads, well pads, etc. These areas will be mowed as needed during the growing season. Fertilizer will be applied according to a current soil test to maintain vegetative cover.

Tract	Field	Planned Amount	Month	Year	Applied Amount	Date
No Tract	1	20.5 ac	9	2016		
No Tract	3	5.5 ac	9	2016		
No Tract	4	6 ac	9	2016		
	Total:	32 ac				

- Site-specific plan for land improvement measures developed through SWCD for agricultural lands
- Provides farmers and ranchers a voluntary opportunity to achieve a level of pollution prevention or abatement consistent with state water quality standards
- Includes appropriate land treatment practices, production practices, management measures, or technologies that prevent and abate agricultural and silvicultural nonpoint source pollution
- Best available management and technology as described in NRCS Field Office Technical Guide



Examples of BMPs

- Cross Fence
- Pasture Planting
- Pond
- Livestock Pipeline
- Watering Facility/Trough
- Water Well
- Brush Management





Financial Assistance

- Eligible to receive a maximum amount of \$15,000
- Shall not exceed 60% of the cost of implementation
- Based on actual costs not to exceed the average cost of the practice, which is set by the Nacogdoches Soil & Water Conservation District



Financial Assistance

Nacogdoches Soil & Water Conservation District # 401

List of Practices Eligible for Cost Share
For Soil & Water Conservation Land Improvement
Attoyac Bayou Watershed Project
FY 2017

Practice and Component	Life Span	Unit	Cost Share Rate	Average Cost
313 - Waste Storage Facility				
Waste Storage Facility	10yrs.	Sq. Ft.	6C %	\$ 14.00
314 - Brush Management				
Brush Management	10yrs.	Ac	6C %	\$80.00
316 - Animal Mortality Facility				
Freezers - Box and compressor	5yrs.	No.	6C %	\$ 6,250.00
Freezers - Compressor Only *	5yrs.	No.	6C %	\$ 2,350.00
Incinerator **	5yrs.	No.	6C %	\$ 11,500.00
In-vessel composter	10yrs	No.	6C %	\$ 32,000.00
317 - Composter				
Composter - Del Marva	10yrs.	Cu. Ft.	6C %	\$ 20.00
378 - Pond				
Pond	10yrs.	Cu Yds	6C %	\$ 2.00
382 - Fencing				
Fencing - 5 Wire	10 yrs.	Ft	6C %	\$ 3.50
Fencing - Electric (Permanent)	10 yrs.	Ft.	6C %	\$ 1.75
Fencing - Net Wire	10 yrs.	Ft.	6C %	\$ 4.50
Fencing - Pipe	10 yrs	Ft	6C %	\$ 16.75
512 - Pasture Planting				
Seeded Grasses w/o Lime	5 yrs.	Ac	6C %	\$ 165.00
Seeded Grasses w/ Lime	5 yrs.	Ac	6C %	\$ 225.00
Sprigging w/o lime	5 yrs	Ac	6C %	\$ 370.00
Sprigging w/ lime	5 yrs	Ac	6C %	\$ 430.00
516 - Pipeline				
Livestock Pipeline	10 yrs	Ft	6C %	\$ 2.75

* Compressors alone may be cost shared if existing freezer box is in working condition

** Prior to cost-share payment being made, applicant must obtain from TCEQ a letter indicating the incinerator is registered to operate under 30 TAC §106.494 and §106.161. Incinerator must be placed on a concrete pad.

Notes-

- * An amount not to exceed \$15,000.00 maximum for each WCMP will be established for FY 2017
- * Applications will be reviewed and approved at Nacogdoches SWCD board of directors meeting held the first Thursday of every month.
- * All practices will be implemented in accordance with the standards and specifications contained in the USDA-NRCS e-OTG.
- * In-vessel composter must meet USDA-NRCS GS-316
- * Practice list for FY 2017 was approved at Nacogdoches SWCD Board meeting held on 8/11/2016.

SWCD

Date



Why have a WQMP?

- Abate/prevent erosion and pollution and to promote conservation
- A strategic “management” plan for your operation
- Demonstrate that voluntary conservation programs promote agricultural production and environmental quality as compatible goals
- Demonstrate that agriculture is doing its part to protect water quality



WQMPs

What Does A Plan Contain?

- District-Cooperator Agreement
- Request for Planning Assistance
- Soils Map & Interpretations
- Conservation Plan Map
- Cost Share Map
- Narrative Record of decisions (practices) needed to implement WQMP
- Implementation schedule indicating years practices are to be applied
- Worksheets used during the inventory and planning process of developing WQMP
- NRCS Practice Standards and engineering designs
- Certification Page

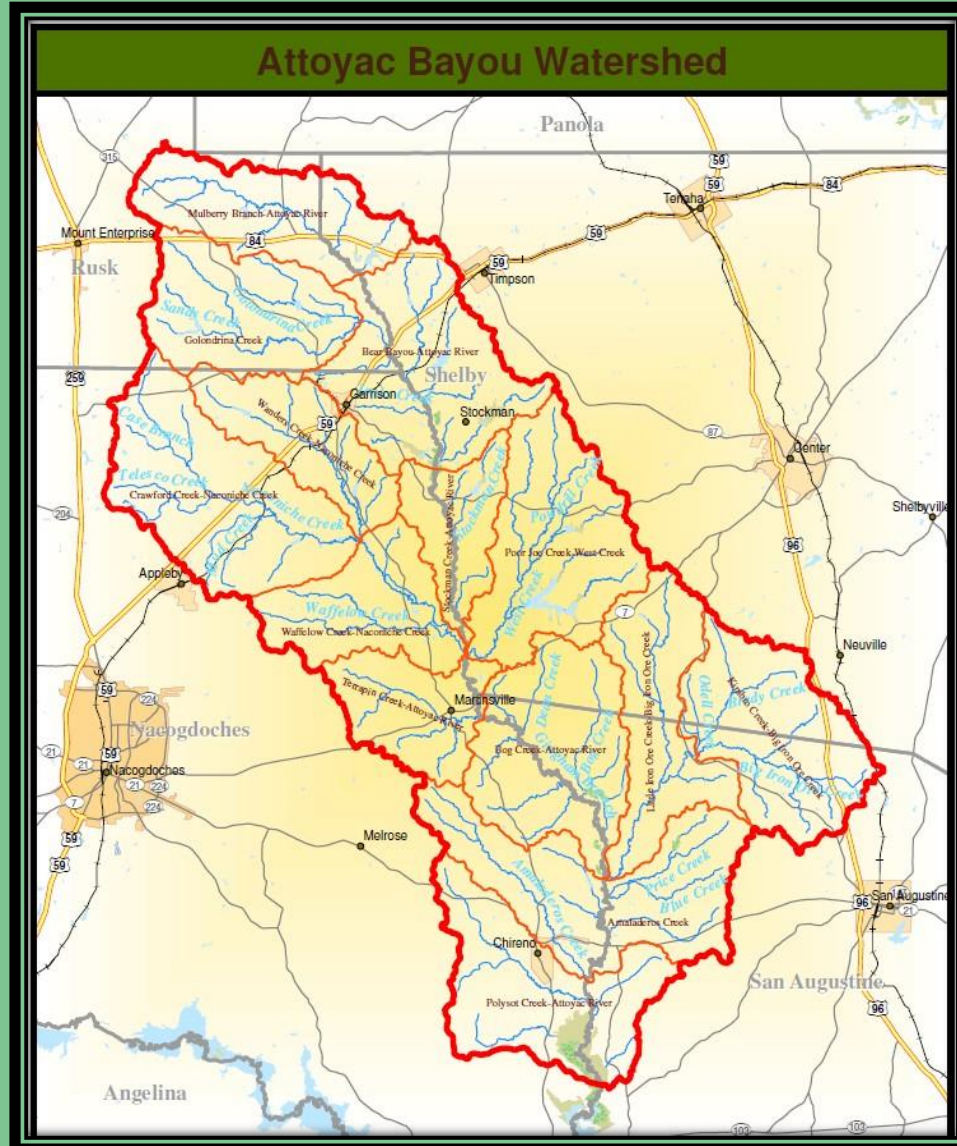


How to get a WQMP?

- An agricultural producer requests planning assistance through the Nacogdoches SWCD
- The WQMP is developed by the SWCD Technician with NRCS and TSSWCB assistance
- The WQMP is approved by the landowner, the SWCD, NRCS and then certified by the TSSWCB
- Producer implements the WQMP on their land
- Any cost share practices are certified to meet NRCS Practice Standards



Attoyac Bayou Watershed





Chris Crenshaw
District Technician
936-564-5891 Ext 121

Nacogdoches Soil & Water Conservation District
1122 N. University Dr. Box B
Nacogdoches, TX 75961

Chris.Crenshaw@tx.nacdnet.net

This project is funded through a section 319(h) Clean Water Act grant provided by the Texas State Soil and Water Conservation Board and U.S. Environmental Protection Agency.