

**ATRAZINE REMEDIATION IN THE LAKE LAVON  
WATERSHED of FANNIN COUNTY, TEXAS**



Final Report

**ATRAZINE REMEDIATION IN THE LAKE LAVON  
WATERSHED of FANNIN COUNTY, TEXAS**

under the

**Clean Water Act, Section 319(h)**

**Cooperative Agreement No. 01-6**

between the

**Texas State Soil and Water Conservation Board**

and the

**Fannin Soil and Water Conservation District**

In collaboration with

**Fannin County Extension Service  
Texas Department of Agriculture  
Natural Resources Conservation Service**

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## Introduction

Atrazine, a growth inhibitor involving the photosynthetic process, is a herbicide commonly used by corn and grain sorghum growers to control weeds. The herbicide is considered unsafe by the Environmental Protection Agency when concentrations exceed the MCL for drinking water, which is 3 parts per billion. Its use in the Lake Lavon Watershed created a need for remediation.

The Lake Lavon Watershed is located on the East Fork of the Trinity River and encompasses land located in four counties, namely Collin, Fannin, Grayson and Hunt. This report is concerned with that part of the drainage area located in Fannin County and further identified as the North Texas Atrazine Project # 01-6,(District 520-Fannin).

The prevalent *Blackland Prairie* soils in the area support cultivated crops such as cereal grain, corn, grain sorghum and soybeans with the less productive land being utilized for hay and pasture mainly for cattle, goats and horses. Weed control in corn and grain sorghum crops with the use of Atrazine created a level of the chemical sufficient for detection in the Lake Lavon drinking water supply. This non-point source pollution placed the watershed on the *State of Texas 303(d)* list.

Awareness of the situation was through contacts by Texas State Soil and Water Conservation Board representatives who met with the local board in 1999. Treatment for pollution abatement efforts in Fannin County was through a joint agreement between the Texas State Soil and Water Conservation Board and the Fannin Soil and Water Conservation District. Funding was through EPA's Clean Water Act, 319 Grant Program.

The remediation project was via cost shared and non-cost Best Management Practices (BMPs). Cost shared practices were selected by the local board from TSSWCB Approved Practices List. Non-cost shared practices were those NRCS approved Practices needed in Resource Management System planning. Invitations to participate in the program were extended by letter and media releases to selected corn and grain sorghum producers and were offered on a non-discriminatory basis.

## **Scope of the Project**

The Lake Lavon Watershed of Fannin County drains approximately 28,000 acres of land located in the southwestern part of the county. The area is situated from just north of Trenton and extends southeastwardly towards Leonard generally along and south of US Hwy 69. It is bounded on the south and west by the Fannin County line, see map (Appendix D). The project was set up for 10 water quality management plans utilizing \$100,000 to assist landowners in implementing water quality BMPs. The duration of the project was initially set for three years. An extension of nine months was requested and obtained.

A cooperative agreement No.01-6 between the Texas State Soil and Water Conservation Board and The Fannin Soil and water Conservation District became effective on May 16, 2001. This agreement stated authorization granted to the TSSWCB by the TEXAS AGRICULTURE CODE 201.026 to assist the United States Environmental Protection Agency under assistance Agreement No. C9996236-08. Agreement No. 01-6 delineates the separate and mutual terms and responsibilities of the TSSWCB and The Fannin SWCD. In summary the TSSWCB agreed to reimburse the Fannin Soil and Water Conservation District for specified deliverables according to the terms of the agreement.

The Contract officially began on July 1, 2001 with an ending date originally set for March 31, 2004. A nine-month extension was requested based on weather related problems with BMP implementation and USDA guidelines for sequence of the implementation of certain practices. This extension made the contract end on December 31, 2004.

The contract will be fulfilled when final reimbursement is made by the TSSWCB for agreed-to deliverables submitted by the Fannin SWCD.

## **Narrative of Accomplishments**

The district was approached in 1999 by the TSSWCB and informed of the proposed atrazine abatement project. An informational meeting composed of local producers and representatives from TAEX-Fannin County, Texas Department of Agriculture, USDA-NRCS, TSSWCB and Fannin SWCD directors was held on December 7, 1999 at Bonham, Texas. The Fannin SWCD voted unanimously to enter into contract with the TSSWCB on May 15, 2001. Upon signing, the contract became effective on May 16, 2001.

The project technician was hired on June 19, 2001 and began work on July 1, 2001. Preparations for accomplishing the tasks were made by providing office space, buying supplies and equipment. Corn and grain sorghum producing farms and farm operators in the watershed were identified from FSA records.

The district directors approved parameters of the project by prioritizing crops and land use for BMP application. High, medium and low priority levels were set. Corn and grain sorghum producing cropland received top priority, other cropland with erosion problems received medium priority and abandoned cropland, pasture and hayed land receiving low priority. The total production unit was planned through the Resource Management System guidelines.

Funding limitations were imposed on each plan. The maximum dollar limit for a unit associated with a farm ID number was set at \$10,000. A limit of 75% funding level was attached to each funded practice based on the lower amount of the actual producer cost of the practice or the USDA approved average cost of the practice.

Using the guidelines and information above, land users in the watershed were notified of the project. Sixty individual letters were mailed out to farm operators and owners who had produced corn or grain sorghum in the two years as determined by FSA records. News articles in the *Leonard*

*Graphic* and the Fannin SWCD Newsletter were published. Handouts and announcements at district activities were made. The project announcement was made at a luncheon meeting of the Fannin County Peanut and grain producers in the summer of 2001.

Sign-up for the project began on August 6, 2001 and ended August 31, 2001. Applications from interested farmers were filed chronologically and prioritized at the end of the initial sign-up. This assured fair and impartial access to the allocated funds. Less than 10 applications were received in the initial sign-up and funds were available on a chronological request basis.

Implementation of practices began in FY 02 and continued through the last Quarter of the project ending with the First Quarter FY-05. Initially, failed practices through no fault of the producer were ineligible for refunding. This was changed in cases where funds were available and some practices were funded again for some 512 practices, Pasture Planting.

The planner presented a monthly report to Fannin SWCD board. Monthly time logs and expenditures for supplies were sent to the TSSWCB. Requests for reimbursement were made in a timely manner and the reimbursements were punctual. Quarterly progress reports were made. A final report of the project was presented for review by the TSSWCB and three electronically reproduced reports were submitted.

## Project Accomplishments by Task

**Final Report**

**North Texas Atrazine Remediation Project**

**TSSWCB # 01-6**

Program Element	Subtasks	Project Activities	Deliverables Submitted	Completion Status
<i>TASK 1: Program Coordination &amp; Management</i>	1.1 Hire Planner	Project planner started on 7/1/2001	Filed in SWCD minutes	100%
	1.2 Reports to Board	42 Oral and written reports to Board	Filed in SWCD minutes	100%
	1.3 Quarterly Reports	14 Progress and MBE/WBE Reports	Copies submitted to TSSWCB	100%
	1.4 CCE Management	Computers Installed For Use In Project Planning		100%
	1.5 Planner Training	a. 2 Training Sessions at TSSWCB, Temple b. 2 Training Sessions from TSSWCB Regional, Mt. Pleasant c. Ongoing Training From NRCS Personnel d. Formal Training on Windows XP and Microsoft Outlook Microsoft XL and Microsoft Word		100%
	1.6 Meetings	a. 42 District board meetings b. 4 NRCS team meetings c. 3 County-wide agricultural production meetings	Filed in SWCD minutes Filed in SWCD minutes Filed in SWCD minutes	100% 100% 100%
	1.7 Contract Extension	Requested and received extension of contract #01-6 to 12/31/04	Letter submitted	100%
	1.8 Final Report	Draft submitted for checking. Three electronic copies made	3 copies submitted	100%

<p><i>TASK 2: Water Quality Education and Demonstration Of BMPs</i></p>	2.1 Formal Presentations	Annual Presentations made to fourth grade classes in 8 Fannin County Schools involving an annual average of 15 presentations to 475 students and 15 teachers	Recorded in district files	
	2.2 Project Description	Power point presentation at Fannin County Hay Show at the Fannin County Extension Office Building, Oct. 2002	Recorded in district files	
	2.3 BMPs Noted	Power point presentation at 2003 Awards Banquet and presented award to David Johnson for BMPs installed in WQMP # 007	Recorded in district files	
	2.4 Articles Published	Article in <i>District Newsletter</i> on seedbed prep and grass planting		
<p><i>TASK 3: Development &amp; Implementation Of 10 WQMPs</i></p>	3.1 WQMP Requests	14 requests for planning assistance received	Copies submitted	
	3.2 District Activities	Assisted with District activities of seed sales Assisted with District newsletter The District planned to host the Northeast Texas RC&D Annual Meeting		
	3.3 NRCS Programs	Assisted with NRCS Programs as requested EQIP local work group committee member		
	3.4 Planning	Nine plans certified	Copies submitted	
	3.5 Mapping	Plan maps kept current	Copies submitted	
	3.6 Cost Share Requests	Two cost share revisions requested	Copies submitted	
	3.7 Status Reviews	Reviews completed on all plans	Copies submitted	
<p><i>Task 4: Inventory of Land use Practices Im- plemented in The Lake Lavon Watershed</i></p>	4.1 Spreadsheet	All planned and certified practices condensed in table form below. XL sheet Is also available if needed. It will be added as a separate document.	Copy submitted	

Task 4: Inventory of Best Management Practices Implemented in the Lake Lavon Watershed

		Brush Management	Conservation Crop Rotation	Contour Farming	Fence	Field Border	Forage Harvest Management	Grassed Water- way	Heavy Use Area Protection	Nutrient Management	Pasture and Hay Planting	Pest Management	Pond	Prescribed Grazing	Range Planting	Residue Management	Terraces (Install)	Smoothing Old Structures	Upland Wildlife Habitat Management
		314	328	330	382	386	511	412	561	590	512	595A	378	528A	550	344	600	600	645
WQMP No.		Acres	Acres	Acres	Feet	Feet	Acres	Acre	Acres	Acres	Acres	Acres	Units	Acres	Acres	Acres	Feet	Feet	Acre
#002			66	34.5		4,680	19	1	12		16	85				66	6,405	15,332	
#005					1,600		59		1	59	14	59		48					
#007					500		72		3.2	282	117	282		210					
#009			4		1,280				4.5	27.5	14	27.5		27.5		4			
#010			8						9	40	23.5	40	1	32		8			13
#011					1880				4.5	26	26	26		13					
#012									5	20	20	20		20					
#013		4			2,600								1	31	4				
# 014							20		9	20	20	20							
Totals		4	78	34.5	7860	4680	170	1	48.2	474.5	250.5	559.5	2	381.5	4	78	6405	15332	13

APPENDIX A

QUARTERLY REPORTS

# **NORTH TEXAS ATRAZINE REMEDIATION PROJECT**

## **FANNIN SOIL AND WATER CONSERVATION DISTRICT # 520**

**CWA 319(h) PROJECT**

**TSSWCB PROJECT No. 01-6**

### **Quarterly Report for the FY 01 Fourth Quarter**

**October 15, 2001**

**Overall Status:** Primary activities for the quarter include employment and orientation of technician, procurement of equipment and supplies and preparing the office for two employees. Training of the technician included a training meeting held at Temple, Texas on July 24, 2001 by the project leaders Kevin Canfield, Kenny Zajicek and others from the TSSWCB. An additional training session was provided by John O' Connor of the Mt. Pleasant Regional Office of the TSSWCB on September 20, 2001. NRCS personnel provided computer training, engineering practices training, and Tech Guide interpretations for the planner.

The Project was announced and sign-up for planning assistance was conducted August 6, 2001 through August 31, 2001. State Board approved conservation practices to be used for the WQMPs were selected and prioritized for the purpose of ranking the requests for plans. Four WQMPs are currently in the planning stage. Three of these plans should have final approval in the upcoming quarter.

Efforts to obtain a computer with capabilities and software, which is compatible with the USDA Common Computing Environment, are continuing.

**Elapsed Project Time:** Three months of total planned 33 months project duration for a 9% completion on a time basis.

Program Element	Subtasks	Quarterly Activities	Deliverables Submitted	Upcoming Activities	Completion Status
<i>TASK 1: Program Coordination &amp; Management</i>	1.1 Planner Employed 1.4 Reports to Board 1.5 Quarterly Reports	Planner began work on July 1, 2001 Oral and written reports to Board on 7/17/01, 8/21/01 and 9/18/01 Progress and MBE/WBE Reports	Copies submitted Copies submitted	3 <sup>rd</sup> Tuesday @ Mo Next Report 1/15/02	100% 9% 9%
<i>TASK 2: Water Quality Education and Demonstration Of BMPs</i>		No activities in this task area for this Quarter			
<i>TASK 3: Development &amp; Implementation Of 10 WQMPs</i>	3.1 Planning Initiated 3.2 Watershed Studied 3.3 Program Notification 3.4 Conservation Practices 3.5 Program Support 3.6 Requests for WQMPs 3.7 Plans	Planner began work on July 1, 2001  Detailed study of Arial, Topo and soil maps and Production records  Letters sent to sixty individual owner/operators about the program Also, 3 news releases were made-2 to <i>Leonard Graphic</i> , 1 in District Newsletter  Conservation practices for use in making WQMPs were selected and prioritized by the Board for application to plans  Cost Share Limits for each Farm # were adopted by the Board (\$10,000 maximum program support per farm based on lesser of 75% of actual costs or 75% of NRCS average costs)  Sign-up Conducted 8/6/01 through 8/31/01  Three WQMPs in advanced planning stage	Copies submitted  Copy submitted  Copy submitted	      Sign-up remains open	100%  100%
<i>Task 4: Inventory of Land use Practices Im- plemented in The Lake Lavon Watershed</i>		No activities performed in this task area			

# **NORTH TEXAS ATRAZINE REMEDIATION PROJECT**

## **FANNIN SOIL AND WATER CONSERVATION DISTRICT # 520**

**CWA 319(h) PROJECT**

**TSSWCB PROJECT No. 01-6**

### **Quarterly Report for the FY 02 First Quarter**

**January 15, 2002**

**Overall Status:** Training and knowledge of NRCS standards and guides are essential to constructing plans which will be effective and acceptable. This training and study is currently taking place. Invitation for WQMP assistance is still open in the watershed. Five plans are in the developmental stage.

The Planner has provided assistance to the new district personnel. Assistance was provided for manning the Fannin County Fair Booth, Tours and Field Days, publishing the newsletter and other activities.

The lack of a computer with capabilities and software which is compatible with the USDA Common Computing Environment is a severe hindrance to submitting plans with the format afforded by ArcView and Tool kit. An order was placed in October with NACD for a computer.

**Elapsed Project Time:** Six months of total planned 33 months project duration for an 18% completion on a time basis.

Program Element	Subtasks	Quarterly Activities	Deliverables Submitted	Upcoming Activities	Completion Status
<i>TASK 1: Program Coordination &amp; Management</i>	1.1 Computer Ordered 1.2 Reports to Board 1.3 Quarterly Reports	Placed order for computer to NACD on October 11, 2001 Oral and written reports to Board on 10/09/01,11/20/01 and 12/18/01 Progress and MBE/WBE Reports	Copies submitted Copies submitted	3 <sup>rd</sup> Tuesday @ Mo Next Report 4/15/02	100% 18% 18%
<i>TASK 2: Water Quality Education and Demonstration Of BMPs</i>		No activities in this task area for this Quarter			
<i>TASK 3: Development &amp; Implementation Of 10 WQMPs</i>	3.1 WQMP Requests 3.2 District Activities 3.3 NRCS Programs 3.4 Training 3.5 Planning 3.6 Mapping	Invitations for WQMPs remain open with 3 requests received  Assisted with District activities of Field Days & Tours, County Fair Booth, Newsletter, and Fund raising activities Provided assistance and training to new secretary and new technician  Assisted with NRCS Program as requested  Received training and procedures from NRCS personnel and technical publications. More training needed  Three WQMPs in advanced planning stage. WQMP # 002 presented To Landowner and he declined to participate  Watershed outline on aerial & topo maps generated with WQMPs located	Copies submitted	Sign-up remains open	
<i>Task 4: Inventory of Land use Practices Im- plemented in The Lake Lavon Watershed</i>		No activities performed in this task area			

# **NORTH TEXAS ATRAZINE REMEDIATION PROJECT**

## **FANNIN SOIL AND WATER CONSERVATION DISTRICT # 520**

**CWA 319(h) PROJECT**

**TSSWCB PROJECT No. 01-6**

### **Quarterly Report for the FY 02 Second Quarter**

**April 15, 2002**

**Overall Status:** Invitation for WQMP assistance is still open in the watershed. The District has approved two plans. Four more plans are in the developmental stage.

The Planner has provided assistance to district personnel with seed sales, publishing the newsletter and other activities. Educational presentations to fourth grade students in the county are planned. These presentations will involve the use of the TSSWCB owned Watershed model and provide the students with learning situations and activities conducive to reducing Point Source and Non-point Source pollution and protecting the surface water bodies in a watershed.

The acquisition of a computer with software that is compatible with the USDA Common Computing Environment has been accomplished. The process of moving files from NRCS computers has started.

**Elapsed Project Time:** Nine months of total planned 33 months project duration for a 27% completion on a time basis.

Program Element	Subtasks	Quarterly Activities	Deliverables Submitted	Upcoming Activities	Completion Status
<i>TASK 1: Program Coordination &amp; Management</i>	1.1 Computer Received 1.2 Reports to Board 1.3 Quarterly Reports	New computer installed by Elaine Davis on March 20, 2002 Oral and written reports to Board on 01/15/02,02/19/02 and 3/19/02 Progress and MBE/WBE Reports	Copies submitted Copies submitted	3 <sup>rd</sup> Tuesday @ Mo. Next Report 7/15/02	100% 27% 27%
<i>TASK 2: Water Quality Education and Demonstration Of BMPs</i>		No activities in this task area for this Quarter			
<i>TASK 3: Development &amp; Implementation Of 10 WQMPs</i>	3.1 WQMP Requests 3.2 District Activities 3.3 NRCS Programs 3.4 Training 3.5 Planning 3.6 Mapping	Invitations for WQMPs remain open with no requests received  Assisted with District activities of seed sales/tree sales Assisted with District newsletter Provided assistance and training to new secretary and new technician  Assisted with NRCS Program as requested  Continued receiving training from NRCS personnel Training assistance from TSSWCB regional and state office personnel was provided – WQMP numbering corrected w/changes to maps  Two plans approved by District Four plans in developmental stage  Watershed outline on aerial & topo maps generated with WQMPs located and numbered correctly	Copies submitted	Sign-up remains open	
<i>Task 4: Inventory of Land use Practices Im- plemented in The Lake Lavon Watershed</i>		No activities performed in this task area			

# **NORTH TEXAS ATRAZINE REMEDIATION PROJECT**

## **FANNIN SOIL AND WATER CONSERVATION DISTRICT # 520**

**CWA 319(h) PROJECT**

**TSSWCB PROJECT No. 01-6**

### **Quarterly Report for the FY 02 Third Quarter**

**July 15, 2002**

**Overall Status:** Invitation for WQMP assistance is still open in the watershed. The District has approved two plans. Four more plans are in the developmental stage.

The Planner has provided assistance to district personnel with seed sales, publishing the newsletter and other activities. Educational presentations to fourth grade students in the county were accomplished. These presentations involved the use of the TSSWCB owned Watershed Model and provided the students with learning situations and activities conducive to reducing Point Source and Non-point Source pollution and protecting the surface water bodies in a watershed. The Schools of Ector, Dodd City, Honey Grove, Leonard, Sam Rayburn, Savoy and Trenton participated. Approximately 280 students and 10 teachers were involved with the activity.

On going collaboration with operators of the approved plans and the developmental process of new plans continues.

**Elapsed Project Time:** Twelve months of total planned 33 months project duration for a 36% completion on a time basis.

Program Element	Subtasks	Quarterly Activities	Deliverable Submitted	Upcoming Activities	Completion Status
<i>TASK 1: Program Coordination &amp; Management</i>	1.6 Reports to Board	Oral and written reports to Board on 04/16/02,05/21/02 and 6/18/02	Copies submitted	3 <sup>rd</sup> Tuesday @ Mo.	36%
	1.7 Quarterly Reports	Progress and MBE/WBE Reports	Copies submitted	Next Report 10/15/02	36%
	1.8 Special report for EPA	Updated activities to current status for monitoring visit by the EPA	Copies submitted		
<i>TASK 2: Water Quality Education and Demonstration Of BMPs</i>	1.1 Educational demonstrations	Two Hundred eighty Fourth grade students and 10 teachers participate in demonstrations aimed toward reduction of Point Source and Non-point Source pollution. Local planner led 10 demonstrations at seven county schools by using a Watershed Model to implement simulated <i>BMP's</i> for elimination of excessive pesticides in local water bodies.			
	1.2 Presentation to Farmer committee	Presentation of the scope of the North Texas Atrazine Project was made to the Fannin County Grain and Peanut Farmers Advisory Committee			
<i>TASK 3: Development &amp; Implementation Of 10 WQMPs</i>	3.1 WQMP Requests	Invitations for WQMPs remain open with no new requests received		Sign-up remains open	
	3.2 District Activities	Assisted with District activities of seed sales Assisted with District newsletter			
	3.3 NRCS Programs	Assisted with NRCS Programs as requested			
	3.4 Training	Continued receiving training from NRCS personnel Training assistance from TSSWCB regional and state office personnel was provided			
	3.5 Planning	Four plans in developmental stage			
	3.6 Mapping	Plan maps kept current		Copies submitted	
	3.7 Cost Share Requests	WQMP # 005 Application Fence / 4 wire standard 1600 ft Chemical weed control 35 acs Seed bed Preparation 35 acs Seed & seeding 35 acs Fertilizer for establishment 35 acs			

	3.8 Implementation of Practices	<p>WQMP # 005 - Unable to prepare satisfactory seed bed in wet ground, So planting will be postponed until spring of 2003</p> <p>WQMP # 007 – Sprigging operation on 55 acs cropland to grass less than ideal / overseeded with 200 lbs. Giant Bermuda. Both chemical and mechanical weed control efforts applied to sunflowers. Plant nutrients applied</p>			
<i>Task 4: Inventory of Land use Practices Im- plemented in The Lake Lavon Watershed</i>	4.1 WQMP # 007	<p>Pasture / Hayland planting—55 acs</p> <p>Pest Management—55 acs</p> <p>Nutrient Management—55 acs</p> <p>Rotational Grazing</p>			

# **NORTH TEXAS ATRAZINE REMEDIATION PROJECT**

## **FANNIN SOIL AND WATER CONSERVATION DISTRICT # 520**

**CWA 319(h) PROJECT**

**TSSWCB PROJECT No. 01-6**

### **Quarterly Report for the FY 02 Fourth Quarter**

**October 15, 2002**

**Overall Status:** Invitation for WQMP assistance is still open in the watershed. The District has approved three plans. Two more plans are in the developmental stage and one request for assistance has been canceled. Efforts to obtain more requests are being made.

The Planner has provided assistance to district personnel with seed sales, publishing the newsletter and other activities. On going collaboration with operators of the approved plans and the developmental process of new plans continues.

**Elapsed Project Time:** Fifteen months of total planned 33 months project duration for a 45% completion on a time basis.

Program Element	Subtasks	Quarterly Activities	Deliverables Submitted	Upcoming Activities	Completion Status
<i>TASK 1: Program Coordination &amp; Management</i>	1.9 Reports to Board	Oral and written reports to Board on 07/16/02,08/20/02 and 9/17/02	Copies submitted	3 <sup>rd</sup> Tuesday @ Mo.	45%
	1.10 Quarterly Reports	Progress and MBE/WBE Reports	Copies submitted	Next Report 1/15/03	45%
<i>TASK 2: Water Quality Education and Demonstration Of BMPs</i>		No activities to report in this task for the fourth quarter		Presentation planned for Hay Show on 10/03/02	
<i>TASK 3: Development &amp; Implementation Of 10 WQMPs</i>	3.1 WQMP Requests	Invitations for WQMPs remain open with no new requests received	To Mt. Pleasant	Sign-up remains open	
	3.2 District Activities	Assisted with District activities of seed sales Assisted with District newsletter			
	3.3 NRCS Programs	Assisted with NRCS Programs as requested			
	3.4 Planning	One plan (WQMP # 002) Approved by district Two plans in the developmental stage One request withdrawn			
	3.5 Mapping	Plan maps kept current			
	3.6 Cost Share Requests	No cost share requests submitted			
	3.7 Implementation of Practices	WQMP # 007 – Both chemical and mechanical weed control efforts applied to sunflowers. Plant nutrients applied			

Program Element	Subtasks	Quarterly Activities	Deliverables Submitted	Upcoming Activities	Completion Status
<i>Task 4: Inventory of Land use Practices Im- plemented in The Lake Lavon Watershed</i>		No new practices implemented this quarter			

# **NORTH TEXAS ATRAZINE REMEDIATION PROJECT**

## **FANNIN SOIL AND WATER CONSERVATION DISTRICT # 520**

**CWA 319(h) PROJECT**

**TSSWCB PROJECT No. 01-6**

### **Quarterly Report for the FY 03 First Quarter**

**January 15, 2003**

**Overall Status:** Invitation for WQMP assistance is still open in the watershed. The District has approved a total of four plans for this project with one approval this quarter. Three Requests for planning assistance have been received this quarter. Efforts to obtain more requests are being made.

Two activities aimed at publicizing the project were presented this quarter. A power point presentation of the scope and sequence of the project was presented at the Fannin County Hay Show on October 3, and an article in the *District Newsletter* outlined the project.

The Planner has provided assistance to district personnel with seed and tree sales, publishing the newsletter and other activities. On-going collaboration with operators of the approved plans and the developmental process of new plans continues.

**Elapsed Project Time:** Eighteen months of total planned 33 months project duration for a 54% completion on a time basis.

Program Element	Subtasks	Quarterly Activities	Deliverables Submitted	Upcoming Activities	Completion Status
<i>TASK 1: Program Coordination &amp; Management</i>	1.1 Reports to Board	Oral and written reports to Board on 10/15/02,11/19/02 and 12/17/02	Copies submitted	3 <sup>rd</sup> Tuesday @ Mo.	54%
	1.2 Quarterly Reports	Progress and MBE/WBE Reports	Copies submitted	Next Report 3/15/03	54%
	1.3 Ag Income Report	Worked with Agriculture Production Committee on annual report of Agricultural Production and Value in Fannin County in 2002			
<i>TASK 2: Water Quality Education and Demonstration Of BMPs</i>	2.1 Formal Presentation	Power Point Presentation made at County Hay Show on 10/03/02			
	2.2 Article Published	Article in <i>District Newsletter</i>			
	2.3 Facts Disseminated	Questions were fielded concerning the Project and the article titled "Atrazine Fact Sheet" was distributed from the district booth at the County Fair			
<i>TASK 3: Development &amp; Implementation Of 10 WQMPs</i>	3.1 WQMP Requests	Invitations for WQMPs remain open with 3 new requests received		Sign-up remains open	
	3.2 District Activities	Assisted with District activities of seed sales Assisted with District newsletter Manned fair booth during county fair			
	3.3 NRCS Programs	Assisted with NRCS Programs as requested			
	3.4 Planning	Two plans (WQMP # 002 & # 009) gained final approval Three plans in the developmental stage	Copies submitted		
	3.5 Mapping	Plan maps kept current			
	3.6 Cost Share Requests	Two cost share requests submitted	Copies submitted		

Page 2- con't. quarterly report.

Program Element	Subtasks	Quarterly Activities	Deliverables Submitted	Upcoming Activities	Completion Status
<i>Task 4: Inventory of Land use Practices Im- plemented in The Lake Lavon Watershed</i>		No new inventorable practices implemented this quarter			

# **NORTH TEXAS ATRAZINE REMEDIATION PROJECT**

## **FANNIN SOIL AND WATER CONSERVATION DISTRICT # 520**

**CWA 319(h) PROJECT**

**TSSWCB PROJECT No. 01-6**

### **Quarterly Report for the FY 03 Second Quarter**

**March 15, 2003**

**Overall Status:** Invitation for WQMP assistance is still open in the watershed. The District has approved a total of six plans for this project with two approved this quarter. One Request for planning assistance has been received this quarter. Efforts to obtain more requests are being made. Two new land purchasers in the watershed inquired about the project.

A letter, encouraging plan holders to adhere to the implementation schedule of their individual plan, was written.

The Planner has provided assistance to district personnel with seed sales, publishing the newsletter and other activities. On-going collaboration with operators of the approved plans and the developmental process of new plans continues.

**Elapsed Project Time:** Twenty-one months elapsed time of the total planned 33 months project duration for a 64% completion on a time basis.

Program Element	Subtasks	Quarterly Activities	Deliverables Submitted	Upcoming Activities	Completion Status
<i>TASK 1: Program Coordination &amp; Management</i>	1.11 Reports to Board	Oral and written reports to Board on 1/21/03,2/18/03 and 3/18/02	Copies submitted	3 <sup>rd</sup> Tuesday @ Mo.	64%
	1.12 Quarterly Reports	Progress and MBE/WBE Reports	Copies submitted	Next Report 7/15/03	64%
	1.3 Status Inventory	An inventory of WQMP status and cost shared practices was compiled	Copy submitted		
<i>TASK 2: Water Quality Education and Demonstration Of BMPs</i>		No formal activity to report in this area			
<i>TASK 3: Development &amp; Implementation Of 10 WQMPs</i>	3.1 WQMP Requests	Invitations for WQMPs remain open with 1 new request received	Copies submitted	Sign-up remains open	
	3.2 District Activities	Assisted with District activities of seed sales Assisted with District newsletter Assisted with EQIP Local Work Group meeting schedule			
	3.3 NRCS Programs	Assisted with NRCS Programs as requested			
	3.4 Planning	Two plans (WQMP # 010 & # 011) gained district approval and forwarded to Mt. Pleasant Regional Office for processing			
	3.6 Mapping	Plan maps kept current			
	3.6 Cost Share Requests	One cost share request revised to reflect changes in grass planting method			

Page 2- con't. quarterly report.

Program Element	Subtasks	Quarterly Activities	Deliverables Submitted	Upcoming Activities	Completion Status
<i>Task 4: Inventory of Land use Practices Im- plemented in The Lake Lavon Watershed</i>		No new inventorable practices implemented this quarter			

# **NORTH TEXAS ATRAZINE REMEDIATION PROJECT**

## **FANNIN SOIL AND WATER CONSERVATION DISTRICT # 520**

**CWA 319(h) PROJECT**

**TSSWCB PROJECT No. 01-6**

### **Quarterly Report for the FY 03 Third Quarter**

**July 15, 2003**

**Overall Status:** Invitation for WQMP assistance is still open in the watershed. The District has approved a total of six plans for this project. One Request (# 012) for planning assistance has been received this quarter. Efforts to obtain more requests are being made. Three new land purchasers in the watershed inquired about the project. Seeded grasses have been closely monitored to best manage weed control so as to reduce damage to the staggered emergence of the grass that has been slow to germinate due to low soil moisture. The weeds are doing fine. One revision to approved applications for assistance has been made. One final performance certification has been submitted for payment.

The Planner has provided assistance to district personnel with seed sales, publishing the newsletter and other activities including submission of a winning entry of the Fannin SWCD as outstanding SWCD in Region 5. A significant awareness contribution to Point Source and Non-Point Source Pollution understanding was achieved through presentations to the fourth graders of seven school districts in Fannin County.

On-going collaboration with operators of the approved plans and the developmental process of new plans continues.

**Elapsed Project Time:** Twenty-four months elapsed time of the total planned 33 months project duration for a 73% completion on a time basis.

Program Element	Subtasks	Quarterly Activities	Deliverables Submitted	Upcoming Activities	Completion Status
<i>TASK 1: Program Coordination &amp; Management</i>	1.13 Reports to Board	Oral and written reports to Board on 4/ 15/ 03, 5/ 20/ 03 and 6/17/ 03	Copies submitted	3 <sup>rd</sup> Tuesday @ Mo.	73%
	1.14 Quarterly Reports	Progress and MBE/WBE Reports	Copies submitted	Next Report 10/15/03	73%
	1.3 Status Inventory	An inventory of WQMP status and cost shared practices was updated	Copy submitted		
<i>TASK 2: Water Quality Education and Demonstration Of BMPs</i>		Point Source and Non Point Source Pollution presentations made to fourth grade students in seven county schools			
<i>TASK 3: Development &amp; Implementation Of 10 WQMPs</i>	3.1 WQMP Requests	Invitations for WQMPs remain open with 1 new request received		Sign-up remains open	
	3.2 District Activities	Assisted with District activities of seed sales Assisted with District newsletter Assisted with EQIP Local Work Group meeting			
	3.3 NRCS Programs	Assisted with NRCS Programs as requested			
	3.4 Planning	One plan (# 012), in developmental stage			
	3.5 Mapping	Plan maps kept current			
	3.6 Cost Share Requests	One cost share request revised to reflect changes from chemical to Mechanical method of weed control			
	3.7 Plan Revisions	One change from sprigging to seeding Bermuda Grass			

Program Element	Subtasks	Quarterly Activities	Deliverables Submitted	Upcoming Activities	Completion Status
<i>Task 4: Inventory of Land use Practices Im- plemented in The Lake Lavon Watershed</i>	4.1 Fencing	WQMP # 009-1280 ft. barbed wire fence	Cost Share Requested		100%
	4.2 Pasture planting	WQMP # 007- 117 acs			100%
		WQMP # 009- 14 acs	Cost Share Req.		100%
		WQMP # 010- 16 acs			68%
WQMP # 011- 13 acs			50%		

# **NORTH TEXAS ATRAZINE REMEDIATION PROJECT**

## **FANNIN SOIL AND WATER CONSERVATION DISTRICT # 520**

**CWA 319(h) PROJECT**

**TSSWCB PROJECT No. 01-6**

### **Quarterly Report for the FY 03 Fourth Quarter**

**October 15, 2003**

**Overall Status:** Invitation for WQMP assistance is still open in the watershed. The District has approved a total of seven plans for this project. One Request (# 012) for planning assistance has been approved this quarter. Efforts to obtain more requests are being made. Seeded grasses have been closely monitored to best manage weed control so as to reduce damage to the staggered emergence of the grass that has been slow to germinate due to low soil moisture. One revision to approved applications for assistance has been made. One final performance certification has been submitted for payment.

The Planner has provided assistance to district personnel with seed sales, publishing the newsletter and other activities. A pond management field day in collaboration with the Texas Cooperative Extension Service, Fannin County, was successful in disseminating accepted water quality guidelines regarding chemical weed control in farm ponds.

On-going collaboration with operators of the approved plans and the developmental process of new plans continues. Forage tours and wildlife management field days are scheduled for the upcoming quarter.

**Elapsed Project Time:** Twenty-seven months elapsed time of the total planned 33 months project duration for an 82% completion on a time basis.

Program Element	Subtasks	Quarterly Activities	Deliverables Submitted	Upcoming Activities	Completion Status
<i>TASK 1: Program Coordination &amp; Management</i>	1.1 Reports to Board	Oral and written reports to Board on 7/ 15/ 03, 8/ 19/ 03 and 9/16/ 03	Copies submitted	3 <sup>rd</sup> Tuesday @ Mo.	91%
	1.2 Quarterly Reports	Progress and MBE/WBE Reports	Copies submitted	Next Report 4/15/04	91%
	1.3 Status Inventory	An inventory of WQMP status and cost shared practices was updated	Copy submitted		
<i>TASK 2: Water Quality Education and Demonstration Of BMPs</i>	2.1	Presentation to 44 attendees of the Annual Awards Banquet on subject Of Best Management Practices applied to WQMP's			
<i>TASK 3: Development &amp; Implementation Of 10 WQMPs</i>	3.1 WQMP Requests	Invitations for WQMPs remain open with 1 new request received		Sign-up remains open	
	3.2 District Activities	Assisted with District activities of seed sales Assisted with District newsletter Assisted with EQIP Local Work Group meeting			
	3.3 NRCS Programs	Assisted with NRCS Programs as requested			
	3.4 Planning	One plan (# 014) Certified			
	3.5 Mapping	Plan maps kept current			
	3.6 Cost Share Requests	One cost share request received final approval Two cost share requests received partial approval			
	3.7 Plan Revisions	None			
	3.8 Status Reviews			2 <sup>nd</sup> Quarter 2004	

Page 2- con't FY 03 fourth quarter report.

Program Element	Subtasks	Quarterly Activities	Deliverables Submitted	Upcoming Activities	Completion Status
<i>Task 4: Inventory of Land use Practices Im- plemented in The Lake Lavon Watershed</i>		No new inventorable practices implemented this quarter			

# **NORTH TEXAS ATRAZINE REMEDIATION PROJECT**

## **FANNIN SOIL AND WATER CONSERVATION DISTRICT # 520**

**CWA 319(h) PROJECT**

**TSSWCB PROJECT No. 01-6**

### **Quarterly Report for the FY 04 First Quarter**

**January 12, 2003**

**Overall Status:** Invitation for WQMP assistance is still open in the watershed. A total of eight plans have been certified for this project. Two requests for planning assistance have been received this quarter. One plan Certified. Two cost share requests received, and one was signed by cooperator and forwarded to Mt. Pleasant. The other is awaiting signature of cooperator. One plan is in the planning stage of development.

The Planner has provided assistance to district personnel with seed sales, publishing the newsletter and other activities. A highlight of the quarter was a trip to El Paso to attend the state convention and see the Fannin SWCD board receive recognition as the outstanding SWCD in the state.

On-going collaboration with operators of the approved plans and the developmental process of new plans continues. Status reviews of certified plans will be scheduled.

**Elapsed Project Time:** Thirty months elapsed time of the total planned 33 months project duration for a 91% completion on a time basis. An additional 9 months has been requested by the district and is awaiting confirmation.

**Report for FY 04 First Quarter**

**North Texas Atrazine Remediation Project**

**TSSWCB # 01-6**

Program Element	Subtasks	Quarterly Activities	Deliverables Submitted	Upcoming Activities	Completion Status
<i>TASK 1: Program Coordination &amp; Management</i>	1.15 Reports to Board	Oral and written reports to Board on 7/ 15/ 03, 8/ 19/ 03 and 9/16/ 03	Copies submitted	3 <sup>rd</sup> Tuesday @ Mo.	91%
	1.16 Quarterly Reports	Progress and MBE/WBE Reports	Copies submitted	Next Report 4/15/04	91%
	1.3 Status Inventory	An inventory of WQMP status and cost shared practices was updated	Copy submitted		
<i>TASK 2: Water Quality Education and Demonstration Of BMPs</i>	2.1	Presentation to 44 attendees of the Annual Awards Banquet on subject Of Best Management Practices applied to WQMP's			
<i>TASK 3: Development &amp; Implementation Of 10 WQMPs</i>	3.1 WQMP Requests	Invitations for WQMPs remain open with 1 new request received		Sign-up remains open	
	3.2 District Activities	Assisted with District activities of seed sales Assisted with District newsletter Assisted with EQIP Local Work Group meeting			
	3.3 NRCS Programs	Assisted with NRCS Programs as requested			
	3.4 Planning	One plan (# 014) Certified			
	3.5 Mapping	Plan maps kept current			
	3.6 Cost Share Requests	One cost share request received final approval Two cost share requests received partial approval			
	3.7 Plan Revisions	None			
	3.8 Status Reviews				
				2 <sup>nd</sup> Quarter 2004	

Program Element	Subtasks	Quarterly Activities	Deliverables Submitted	Upcoming Activities	Completion Status
<i>Task 4: Inventory of Land use Practices Im- plemented in The Lake Lavon Watershed</i>	4.1	No new practices for inventory were implemented this quarter.			

# **NORTH TEXAS ATRAZINE REMEDIATION PROJECT**

## **FANNIN SOIL AND WATER CONSERVATION DISTRICT # 520**

**CWA 319(h) PROJECT**

**TSSWCB PROJECT No. 01-6**

### **Quarterly Report for the FY 04 Second Quarter**

**April 15, 2004**

**Overall Status:** Invitation for WQMP assistance is still open in the watershed. The District has approved a total of eight plans for this project. One plan is in the development stage. No requests for planning assistance have been received this quarter.

The Planner has provided assistance to district personnel with seed sales, publishing the newsletter and other activities. Implementation of the approved plans and the developmental process of one new plan continue. The planner also engaged in educational activities aimed at raising the conservation awareness level of district cooperators and made presentations to students about point source and non-point source pollution.

**Elapsed Project Time:** Thirty-three months of a total planned 42 months project duration for 79% completion on a time basis.

Program Element	Subtasks	Quarterly Activities	Deliverable Submitted	Upcoming Activities	Completion Status
<i>TASK 1: Program Coordination &amp; Management</i>	1.1 Reports to Board	Oral and written reports to Board on 1/20/04,2/17/04 and 3/16/04	Copies submitted	3 <sup>rd</sup> Tuesday @ Mo	86%
	1.2 Quarterly Reports	Progress and MBE/WBE Reports	Copies submitted	Next Report 6/15/04	86%
	1.3 CCE Management	Windows XP installed on district computer and associated documents migrated to tool kit central			
	1.4 Training Received	Formal Training on Windows XP and Microsoft Outlook			
	1.5 Contract Extension	Requested and received extension of contract #01-6 to 12/31/04	Letter submitted		
<i>TASK 2: Water Quality Education and Demonstration Of BMPs</i>	2.1 Formal Presentation	Presentation made Sam Rayburn School fourth grade classes			
	2.2 Article Published	Article in <i>District Newsletter</i> on seedbed prep and grass planting			
	2.3 Earth Day Program	Participated in Soils Survey Book dedication ceremony			
	2.4 Brush Control Demo				
<i>TASK 3: Development &amp; Implementation Of 10 WQMPs</i>	3.1 WQMP Requests	No requests for planning assistance received		Sign-up remains open	
	3.2 District Activities	Assisted with District activities of seed sales Assisted with District newsletter The District planned to host the Northeast Texas RC&D Annual Meeting			
	3.3 NRCS Programs	Assisted with NRCS Programs as requested EQIP local work group committee member			
	3.4 Planning	One plan in the developmental stage			
	3.5 Mapping	Plan maps kept current			
	3.6 Cost Share Requests	Two cost share revisions requested	Copies submitted		
	3.7 Status Reviews	Reviews completed on all but one plan	Copies submitted		

Page 2- con't. quarterly report.

Program Element	Subtasks	Quarterly Activities	Deliverables Submitted	Upcoming Activities	Completion Status
<i>Task 4: Inventory of Land use Practices Im- plemented in The Lake Lave Watershed</i>		No new practices implemented this quarter			

# **NORTH TEXAS ATRAZINE REMEDIATION PROJECT**

## **FANNIN SOIL AND WATER CONSERVATION DISTRICT # 520**

**CWA 319(h) PROJECT**

**TSSWCB PROJECT No. 01-6**

### **Quarterly Report for the FY 04 Third Quarter**

**July 15, 2004**

**Overall Status:** The District has approved a total of eight plans for this project. One plan is in the development stage. No requests for planning assistance have been received this quarter.

The Planner has provided assistance to district personnel with seed sales, publishing the newsletter and other activities. Implementation of the approved plans and the developmental process of one new plan continue. The planner participated in two educational activities of note; namely a fish pond field day on June 2, 2004 at Bonham State Park and a tour with 38 district cooperators on June 22, 2004 to the Noble Foundation Research Center at Ardmore, Oklahoma. Implementation of plans was monitored. Grass plantings were highly successful.

**Elapsed Project Time:** Thirty-six months of a total planned 42 months project duration for 86% completion on a time basis.

Program Element	Subtasks	Quarterly Activities	Deliverable Submitted	Upcoming Activities	Completion Status
<i>TASK 1: Program Coordination &amp; Management</i>	1.1 Reports to Board	Oral and written reports to Board on 4/20/04,5/18/04 and 6/15/04	Copies submitted	3 <sup>rd</sup> Tuesday @ Mo.	86%
	1.2 Quarterly Reports	Progress and MBE/WBE Reports	Copies submitted	Next Report 10/15/04	86%
	1.3 Final Report	Drafted of segments of final report			
<i>TASK 2: Water Quality Education and Demonstration Of BMPs</i>	2.1 Report to Cooperators	Oral summary of grass plantings and status made on Noble Tour		Wildlife program Scheduled for 9/14/04	
	2.2 Article Published	Newsletter article about Nash Family published			
<i>TASK 3: Development &amp; Implementation Of 10 WQMPs</i>	3.1 WQMP Requests	No requests for planning assistance solicited - non received			
	3.2 District Activities	Assisted with fish pond seminar Assisted with District newsletter Assisted with hosting the Northeast Texas RC&D Annual Meeting Assisted with Noble Foundation Tour			
	3.3 NRCS Programs	Assisted with NRCS Programs as requested EQIP local work group committee member			
	3.4 Planning	One plan in the developmental stage			
	3.5 Mapping	Plan maps kept current			

Page 2- con't. quarterly report.

Program Element	Subtasks	Quarterly Activities	Deliverables Submitted	Upcoming Activities	Completion Status
<i>Task 4: Inventory of Land use Practices Im- plemented in The Lake Lave Watershed</i>		No new practices implemented this quarter			

# **NORTH TEXAS ATRAZINE REMEDIATION PROJECT**

## **FANNIN SOIL AND WATER CONSERVATION DISTRICT # 520**

**CWA 319(h) PROJECT**

**TSSWCB PROJECT No. 01-6**

### **Quarterly Report for the FY 04 Fourth Quarter**

**October 15, 2004**

**Overall Status:** A total of nine plans have been approved by the district and certified by the TSSWCB. No requests for planning assistance have been received this quarter. Two plans are being actively implemented. Monitoring the implementation of all the approved plans continues.

The Planner has provided assistance to district personnel with seed sales, publishing the newsletter and other activities.

The planner participated in a wildlife program which included presentations from state and federal experts on habitat development. This type of activity will reduce the use of chemicals in a watershed.

A forage grass tour of 2004 EQIP plantings consisting of Switch grass, Eastern Gamma grass, WW B-Dahl OWB, and Greenfield variety of sprigged Bermuda grass was evaluated on the Don Merriman Farm

**Elapsed Project Time:** Thirty-nine months of a total planned 42 months project duration for 93% completion on a time basis.

**Report for FY 04 Fourth Quarter**

**North Texas Atrazine Remediation Project**

**TSSWCB # 01-6**

Program Element	Subtasks	Quarterly Activities	Deliverables Submitted	Upcoming Activities	Completion Status
<i>TASK 1: Program Coordination &amp; Management</i>	1.17 Reports to Board	Oral and written reports to Board on 7/20/04, 8/17/04 and 8/21/04	Copies submitted	3 <sup>rd</sup> Tuesday @ Mo.	93%
	1.18 Quarterly Reports	Progress and MBE/WBE Reports	Copies submitted	Next Report 12/31/04	93%
	1.3 Final Report	Drafted segments of final report			
<i>TASK 2: Water Quality Education and Demonstration Of BMPs</i>	2.1 Article Published	An article on Pasture Stocking rate and Carrying Capacity was Published in the District Newsletter.	Copy in district files		
<i>TASK 3: Development &amp; Implementation Of 10 WQMPs</i>	3.1 WQMP Requests	No requests for planning assistance solicited - non received			
	3.2 District Activities	Assisted with Wildlife Program Assisted with District newsletter Forage evaluation tour			
	3.3 NRCS Programs	Assisted with NRCS Programs as requested			
	3.4 Planning	One plan certified for a total of nine plans			
	3.5 Mapping	Plan maps kept current			

Page 2- con't. quarterly report.

Program Element	Subtasks	Quarterly Activities	Deliverables Submitted	Upcoming Activities	Completion Status
<i>Task 4: Inventory of Land use Practices Im- plemented in The Lake Lavon Watershed</i>		No new inventorable practices implemented this quarter			

# **NORTH TEXAS ATRAZINE REMEDIATION PROJECT**

## **FANNIN SOIL AND WATER CONSERVATION DISTRICT # 520**

**CWA 319(h) PROJECT**

**TSSWCB PROJECT No. 01-6**

### **Quarterly Report for the FY 05 First Quarter**

**December 31, 2004**

**Overall Status:** A total of nine plans have been certified for this project. One cost share request was received and executed. Two final performance reports were completed.

The Planner has provided assistance to district personnel with seed and tree sales, publishing the newsletter and other activities..

On-going collaboration with operators of the approved plans continues. Status reviews of certified plans have been made.

**Elapsed Project Time:** Forty-two months elapsed time of the total planned 42 months project duration for a 100% completion on a time basis.

Program Element	Subtasks	Quarterly Activities	Deliverable Submitted	Upcoming Activities	Completion Status
<i>TASK 1: Program Coordination &amp; Management</i>	1.1 Reports to Board	Oral and written reports to Board on 7/ 15/ 03, 8/ 19/ 03 and 9/16/ 03	Copies submitted	3 <sup>rd</sup> Tuesday @ Mo.	91%
	1.2 Quarterly Reports	Progress and MBE/WBE Reports	Copies submitted	Next Report 4/15/04	91%
	1.3 Status Inventory	An inventory of WQMP status and cost shared practices was updated	Copy submitted		
<i>TASK 2: Water Quality Education and Demonstration Of BMPs</i>	2.1	Presentation to 44 attendees of the Annual Awards Banquet on subject Of Best Management Practices applied to WQMP's			
<i>TASK 3: Development &amp; Implementation Of 10 WQMPs</i>	3.1 WQMP Requests	Invitations for WQMPs remain open with 1 new request received		Sign-up remains open	
	3.2 District Activities	Assisted with District activities of seed sales Assisted with District newsletter Assisted with EQIP Local Work Group meeting			
	3.3 NRCS Programs	Assisted with NRCS Programs as requested			
	3.4 Planning	One plan (# 014) Certified			
	3.5 Mapping	Plan maps kept current			
	3.6 Cost Share Requests	One cost share request received final approval Two cost share requests received partial approval			
	3.7 Plan Revisions	None			
	3.8 Status Reviews			2 <sup>nd</sup> Quarter 2004	

Program Element	Subtasks	Quarterly Activities	Deliverables Submitted	Upcoming Activities	Completion Status
<i>Task 4: Inventory of Land use Practices Im- plemented in The Lake Lavon Watershed</i>	4.1				

## APPENDIX B

### NEWS ARTICLES

## Farmers: sign-up for atrazine remediation project under way

Sign-up for "The North Texas Atrazine Remediation Project #520" began Aug. 6 and continues through Aug. 31 at the Fannin Soil and Water Conservation District Office in Room 6 of the U.S. Department of Agriculture Building at 200 E. First Street in Bonham. This project is currently available in the Lake Lavon watershed, which is located generally south of U.S. Highway 69 in Southwest Fannin County.

The contracts are designed to give 75 percent cost-share assistance for practices such as waterways, terraces,

and filter strips which could help reduce the amount of Atrazine and other chemicals reaching water supplies. Priority for this program will be given, but not limited to, corn and sorghum producers.

This project is administered by the Texas State Soil and Water Conservation Board and the Fannin Soil and Water Conservation District. For additional information contact Johnnie J. Kay, project technician, Fannin County Soil and Water Conservation District at 903-583-5612.

Community Facilities program helps rural communities keep pace with the needs of their rising populations," said Daniel. "With lower populations and tax bases than urban areas, rural residents can utilize our programs to help provide essential public services that will enhance the quality of life for all

fire trucks, cou  
jaws of life, ea  
community ce  
care centers an

For more in  
USDA Rura  
grams, contact  
Office at 972-5

## Pint-sized cheer clinic

The LHS Cheerleaders will be hosting the annual Mini Cheer Clinic Aug. 8, 9, and 10 from 9 a.m. to 11 a.m. at the Leonard Elementary Gym.

Cost is \$20 for the Clinic and T-shirt. Registration is at 8 a.m. before the first class on Aug. 8. The girls will learn a cheer, chant and dance. The

girls will perfor  
School footba  
nual barbecue

If you have  
contact Coyle  
2634, Julie S  
4163 or Char  
4481.



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## Greenville registering

Registration for Greenville Technical on Aug. 15 from 9 a.m. to 5 p.m. Advisors and counselors are available to assist students with registration plans, schedules, and other questions.

Students needing an alternative test (ASSIST) will have opportunities to test on the day of registration. Registration is available for registration fee of \$49. Fall semester registration will continue at the Technical College from 6 p.m. on Thursday, August 9 a.m. to 5 p.m. For more information regarding registration testing, call 454-9300.

## Covenant Services

Professional Handyman Services

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Fences	Pipe fencing	Small jobs
Remodeling	Porches	Painting

**Mike Davis, owner**      **(903) 640-2821**

903-364-9919      Fine Handcraft

## Davanna Jeweler

• Gold • Platinum • Diamonds

David Welch	10
Jeweler	P
Andrew Welch	Whitewright



**Fannin Soil and Water Conservation District**

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P.O. Box 426  
Bonham, TX 75418  
(903) 583-5612

July 23, 2001

**DIRECTORS**

**Carroll W. Jones** - *Chairman*  
P.O. Box 6, Ector, TX 75439  
**Roger Dawdy** - *Member*  
Rt. 2, Box 127, Honey Grove, TX 75446  
**Leon Bowman** - *Secretary*  
Rt. 1, Box 82, Windom, TX 75492  
**David Keene** - *Member*  
Rt. 4, Box 97A, Bonham, TX 75418  
**Billy Partridge** - *Vice-President*  
Rt. 3, Box 177A, Whitewright, TX 75491

Memo

To: Landuser Addressed

From: Johnnie J. Kay 

**Sign-up For Atrazine Remediation Project**

Sign-up for "**The North Texas Atrazine Remediation Project #520**" will begin on August 6, 2001 and continue through August 31, 2001 at the Fannin Soil and Water Conservation District Office located in room 6 of the United States Department of Agriculture Building at 200 E. First Street in Bonham. This project is currently available in the Lake Lavon watershed which is located generally south of U. S. Highway 69 in Southwest Fannin County.

The contracts are designed to give 75% cost-share assistance for practices such as waterways, terraces, and filter strips which could help reduce the amount of Atrazine and other chemicals reaching water supplies. Priority for this program will be given, but not limited to, corn and sorghum producers.

This project is administered by the Texas State Soil and Water Conservation Board and The Fannin Soil and Water Conservation District. For additional information contact Johnnie J. Kay, project technician, Fannin County Soil and Water Conservation District at 903-583-5612.



**Fannin Soil and Water Conservation District**

---

P.O. Box 426  
Bonham, TX 75418  
(903) 583-5612

**DIRECTORS**

**Carroll W. Jones** - *Chairman*  
P.O. Box 6, Ector, TX 75439  
**Roger Dawdy** - *Member*  
Rt. 2, Box 127, Honey Grove, TX 75446  
**Leon Bowman** - *Secretary*  
Rt. 1, Box 82, Windom, TX 75492  
**David Keene** - *Member*  
Rt. 4, Box 97A, Bonham, TX 75418  
**Billy Partridge** - *Vice-President*  
Rt. 3, Box 177A, Whitewright, TX 75491

Date: August 03, 2001  
To: Landuser addressed  
From: Johnnie J. Kay   
Re: Atrazine Remediation Project

Records indicate that some land which you own or operate is located in the Lake Lavon Watershed. The North Texas Atrazine Remediation Project # 520 offers a program designed to reduce chemical run-off in the Lake Lavon Watershed. Cost shares based on a 75 % Project and 25 % Owner input rate will be in affect for applied engineering practices. Management and/or cultural practices in conjunction with engineering practices will be combined to create the most effective remediation plan on each farm. The contracts will correspond with farm ownership and be tied to farm numbers. A single operator who leases more than one farm may possibly be involved with more than one remediation contract. The funds are limited and will be applied the most effective way to remedy this problem.

Owners and operators in the Lake Lavon Watershed are encouraged to contact Johnnie Kay at the district office located at 200 East First Street, Room 6 or by calling 903.583.5612.



Fannin Soil and Water Conservation District  
 P.O. Box 426, Bonham, Texas 75418  
**DIRECTORS:**  
 C. W. Jones, Chairman  
 Roger Dawdy, Vice-Chairman  
 Leon Bowman, Secretary-Treasurer  
 Calvin Felts, Member  
 David Keene, Member  
 Billy Partridge, Member  
 Johnnie J. Kay, Technician/Sec

**NRCS PERSONNEL**  
 Sam Stewart, Team Leader  
 Randy Moore, Conservationist  
 Steve Deckard, Soil Cons. Technician

MEETS THIRD TUESDAY AT 8:30

VOLUME 8

FALL 2000-2001

NUMBER 3

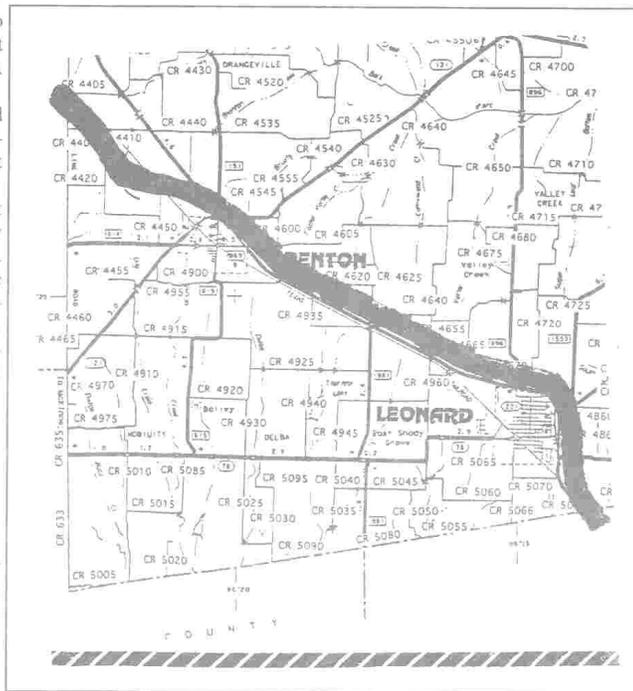
## FULL TIME ATRAZINE TECHNECIAN EMPLOYED

The District employed Johnnie Kay as full time technician to implement Atrazine Remediation in the Lake Lavon Watershed which is located approximately in the area south of U.S. Hwy 69 in Southwest Fannin County. Land owners and operators have been notified of a sign-up period to enroll in management practices designed to reduce chemical run-off from their farming operations. These practices will serve also to reduce other chemical and nutrient losses and help control erosion on farmland. Cost share is limited to \$10,000 per farm with a budgeted amount of \$100,000 available for the project. A minimum of ten plans are to be installed. The area shown on the map is designated for treatment to control chemical and nutrient runoff through the Atrazine Abatement Program.

The sign-up for Water Quality management plan assistance will continue indefinitely until all available funds are obligated. Practices available for assistance include terraces, waterways, and filter strips in conjunction with other management practices. Assistance will amount to 75% of the approved practice cost. Call 903-583-5612 for additional information.

### Top: Johnnie Kay

The area shown on map is designated for treatment to control chemical and nutrient runoff through the Atrazine Abatement Program.



\*Fence Rows  
 \*Clearing of Brush & Trees  
 \*Soil Erosion Damage Repair  
 \*Building and Renovation of Roads  
 \*Building and Maintenance of Ponds

**GILDEESLEEVE DOZER CONTRACTING**  
 (903) 583-9015 \* 1 (800) 687-6557  
 Ron Gildersleeve—Owner/Operator Bonham, TX



**McCraw Oil Company**  
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 For your fuel and oil needs, give us a call  
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 2207 North Center St. Bonham, TX 75418

**Fannin County Electric Cooperative, Inc.**

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 Bonham, TX 75418  
 Bus. (903) 583-2117

Ronnie Odum Toll Free 800-695-9020

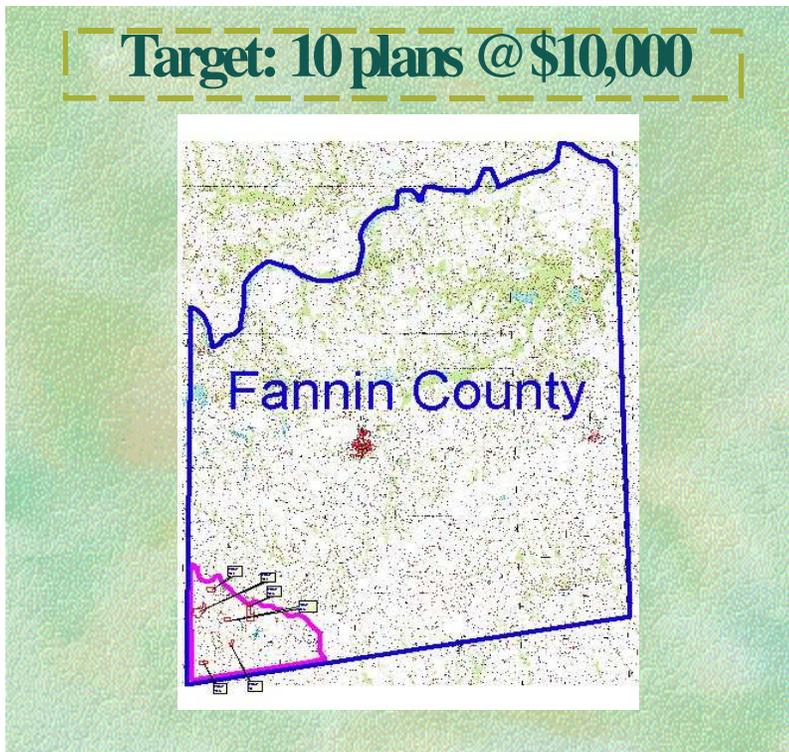


**CASE** **Bob Mitchell, Inc.**

Serves-Rhino 1710 N.E. Loop 286 Cub Cadet  
 G. B. Loaders Paris, TX 75460 Belfco  
 Krone (903) 785-0741  
 Kyle Mitchell Home (903) 739-8676

## Funding Available for conservation Practices

The North Texas Atrazine Remediation Project continues to provide funding for landowners and operators in the Leonard and Trenton areas. Funding is provided through the Texas State Soil and Water Conservation Board by way of The Clean Water Act, Section 319. A limit of \$10,000 per farm with a 75% payment schedule is offered. The funds are available for the Trinity River Watershed as outlined on the map.



Assistance is available for practices including converting cropland to permanent grass pastures or meadows with necessary fencing and water supply and filter strips, waterways and terraces on cropland and other practices aimed at water quality improvement.

Planning assistance is available by contacting Johnnie Kay, program planner at the Fannin Soil and Water Conservation District located at 200 E. First St. Bonham, Texas, telephone 903.583.5612.

(Note: This Slide was part of a power point presentation at a county-wide hay show and was placed in the district newsletter as a reminder to producers in the watershed.)

**FANNIN SWCD**  
**ATRAZINE REMEDIATION PROJECT # 520**  
**MONTHLY ACTIVITY REPORT**

Johnnie J. Kay, Program technician

July-August

- NEW DISTRICT PICKUP PURCHASED AT MCKINNEY
- RECEIVED TECHNICAL TRAINING FROM TSSWCB, TEMPLE
- ARRANGED OFFICE FOR TWO EMPLOYEES
- OBTAINED SECOND DISTRICT PHONE LINE AND PHONE
- ASSISTED MARY JANE GODWIN WITH DISTRICT DUTIES
- RECEIVED COMPUTER INSTRUCTION ON SPREAD SHEETS  
(Provided by Todnechia , NRCS)
- MAILED OUT APPROXIMATELY 60 LETTERS TO WATERSHED  
LANDUSERS ANNOUNCING PROGRAM SIGN-UP
- PROGRAM SIGN-UP NEWS RELEASE PLACED IN *LEONARD GRAPHIC*
- PROGRAM SIGN-UP CONDUCTED 8/6/01 THROUGH 8/31/01
- FARM VISITATIONS STARTED

## FOURTH GRADERS OF FANNIN COUNTY PARTICIPATE IN POLLUTION DEMONSTRATION

Fourth grade students from Bonham, Ector, Dodd City, Honey Grove, Leonard, Sam Rayburn, and Savoy Schools recently participated in watershed demonstrations dealing with pollution. The students were made aware of the major watersheds of Fannin County. Those that run into the Red River, include Bois-d'arc Creek, Sulphur River and Caney Creek. The Trinity River Watershed lies generally south of U.S. Highway 69 around the Leonard and Trenton Communities and drains into Lake Lavon. Each student realized that the drainage areas around his home and school were part of a larger watershed.

Johnny Kay, technician of The North Texas Atrazine Remediation Project, made the presentations. The teaching aid is a plastic watershed model provided by the Texas State Soil and Water Conservation Board. The model includes a representative display of farms, cities, septic systems, golf courses, industrial plants, clear-cut forests and gravel or sand pits with water run-off from all of these draining into a surface water reservoir.

Food coloring and cocoa were used to indicate Point Source pollution. This part of the demonstration showed pollution originating from readily identifiable sources such as pipes or drainage ditches and, while not shown, could include discharges into the air from manufacturing plants, automobiles and other equipment.

Non Point Source pollution was studied by the students. They also used cocoa for showing the effects of soil erosion. Pesticides, used for killing weeds, grasshoppers and fire ants, were represented by various colors of Kool Aid while small bits of paper indicated the discarded bottles and trash that litter our roadsides. Fertilizers were represented by another color of Kool Aid. The make believe chemicals above were applied to the cropland and pastures, the golf course, roadsides, home lawns and gardens of the model.

Students took turns pumping the spray bottles to simulate rain to produce water runoff and watched as the lake changed colors and became turbid with pollution. The visual impact of this colored simulated pollution was effective in showing that, although all pollutants may not be visible, they can be present in surface water bodies in an invisible form.

The students were informed that point source pollution is regulated by governing bodies such as cities, counties, states and the federal government while prevention of non-point source pollution is our own local problem and the responsibility of each and every one of us.

These Bonham School fourth grade students are preparing the watershed model for the study of pollutants that can potentially affect our water supplies. Proper use and disposal of pesticides is essential for our own good health and well-being.



**APPENDIX C**  
**Photographs of Project**





**Abandoned cropland that is planted to improved grass guards against erosion and improves water quality with a long-range plan that does not include cultivating the soil.**



**Cropland field with proper seedbed to be converted to grass.**



**Cropland field that was sprigged to coastal Bermuda.**



**Cropland field where pest management was completed before sprigging could be done.  
Pest management is an important practice to insure that grass will be established.**



**Conversion of cropland to grassland aids in reducing soil runoff to nearby streams.**





**Cross fencing was installed to reduce over grazing, which can cause soil loss.**



**Cropland that was converted to grass.**





**With suitable weather conditions waterways and field borders can provide turning areas for equipment and protection from soil erosion. Over Four thousand feet of field border were planned in this project**

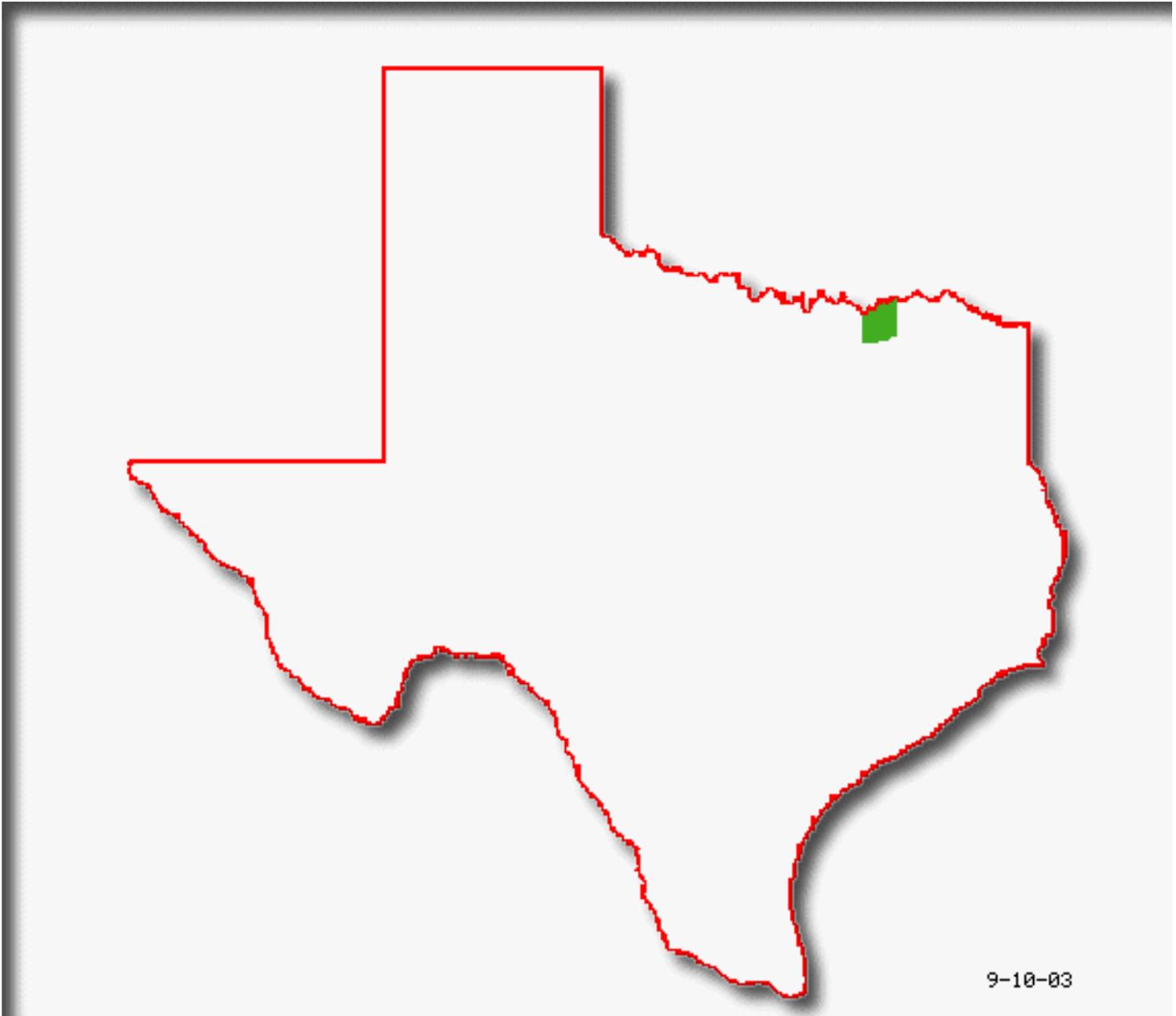


**The BMP Crop Residue management in this Grain sorghum field is a deterrent to erosion**

## **APPENDIX D**

### **MAPS**

# FANNIN COUNTY, TEXAS



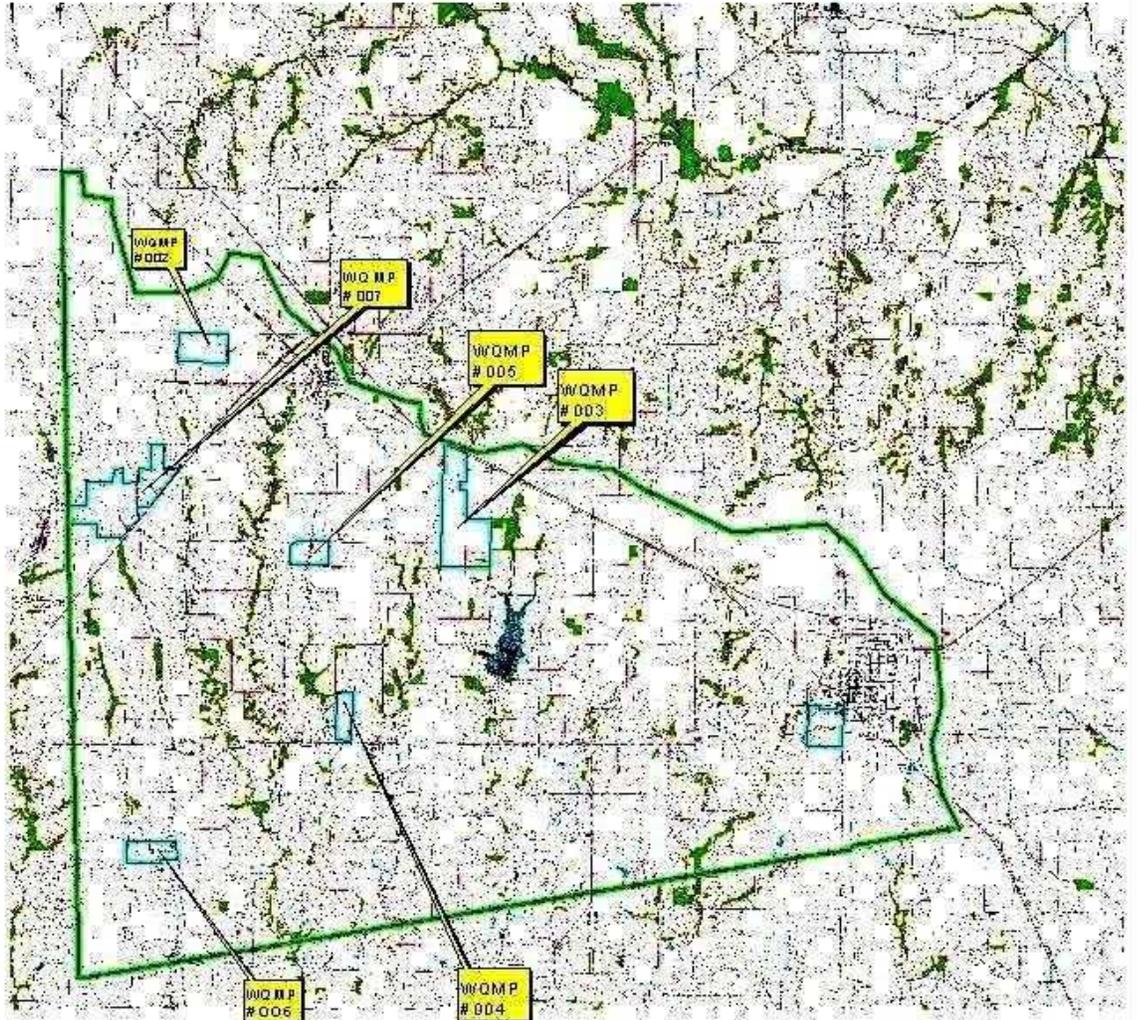
9-10-03

# WATER QUALITY MANAGEMENT PLANS

Fannin Soil & Water Conservation District

Date: 06/03/2002

Johnnie J. Kay  
903.583.5612



## Legend

-  WQMP's
-  Atrazine Boundary (28,000 Acres)



10000 0 10000 20000 Feet

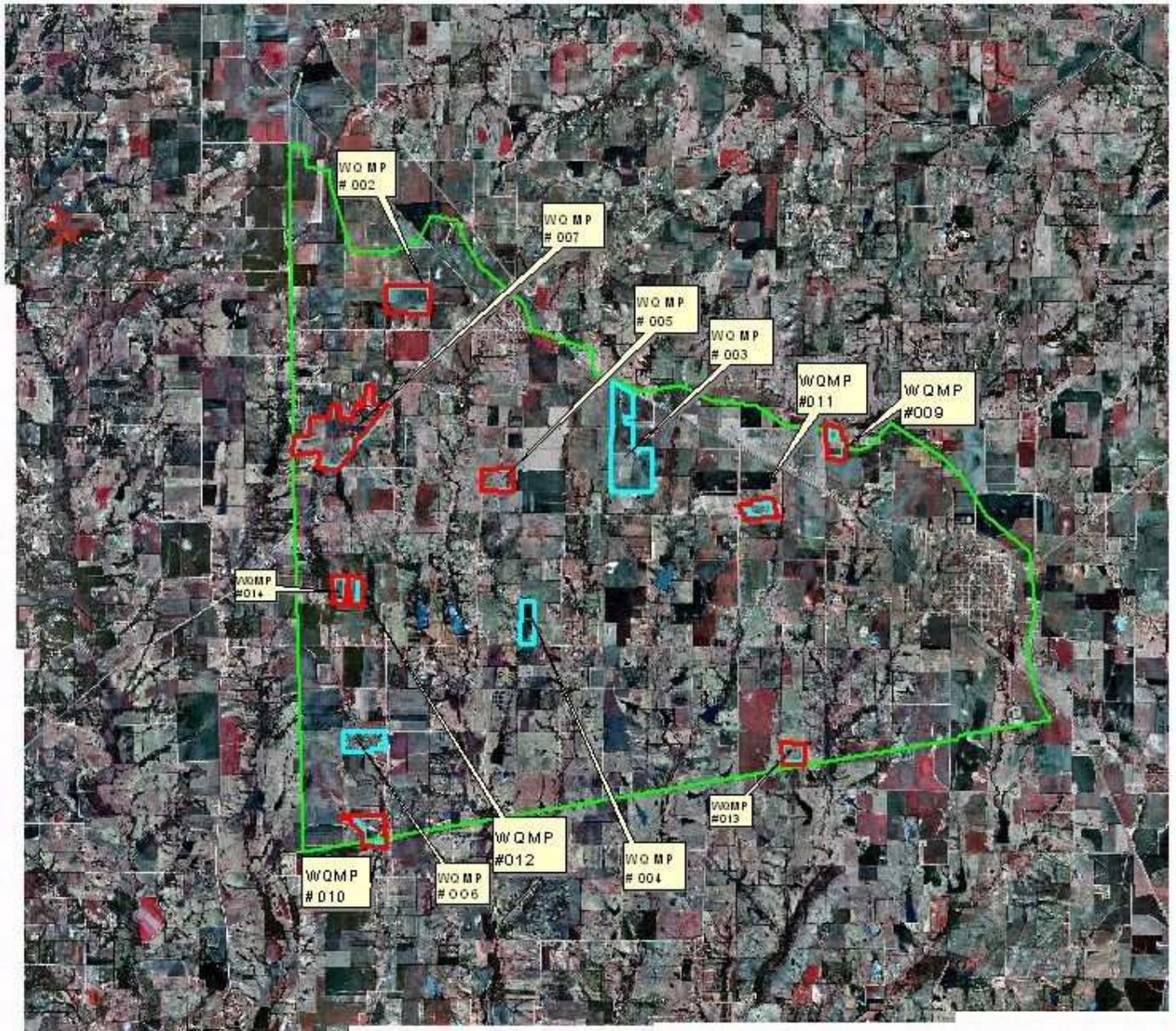


# Certified WQMP's

## Fannin Soil & Water Conservation District

Bonham, Texas  
Date: 09/01/2004

Johnnie J. Ka



### Legend

-  Certified WQMP's
-  WQMP's Planned
-  Atrazine Boundary

10000 0 10000 20000 Feet

