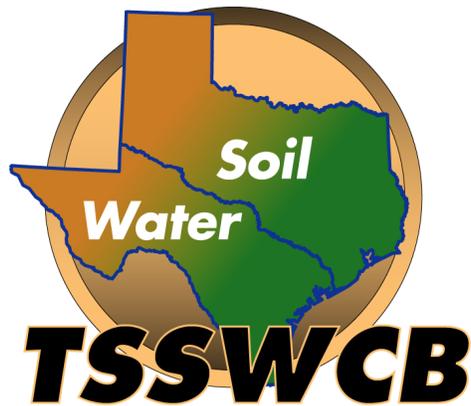


**TEXAS STATE SOIL & WATER CONSERVATION
BOARD**



SEMI - ANNUAL REPORT

TO THE

**GOVERNOR,
LIEUTENANT GOVERNOR,
AND
SPEAKER OF THE HOUSE**

JANUARY 1, 2011

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Forward

In response to S.B. 1828 passed by the 78th Texas Legislature in Regular Session, 2003, the Texas State Soil and Water Conservation Board presents this review of its programs and activities. S.B. 1828 added §201.028 to the Texas Agriculture Code to provide that the TSSWCB shall prepare and deliver to the Governor, the Lieutenant Governor, and the Speaker of the House of Representatives a report, not later than January 1 and July 1 of each year, relating to the status of the budget areas of responsibility assigned to the State Board including outreach programs, grants made and received, federal funding applied for and received, special projects, and oversight of soil and water conservation district activities.

The FY10 Operating Budget with FY08 and FY 09 expenditures is attached to this report. Information on grants made to local districts and other entities is incorporated within the program section it involves. Ongoing Federal grant program projects under the Clean Water Act are provided in another attachment.

The Texas State Soil & Water Conservation Board takes pride in the accomplishments and remarkable progress that have been made in soil and water conservation in this state. Often environmental successes are slow to be realized. We have realized and previously reported one success story that involves reducing the level of Atrazine in several water bodies, particularly the Aquilla Reservoir in the Hill County-Blackland SWCD.

However, we recognize there remains a continuing challenge and an ongoing need to ensure our land has the capability to produce food and fiber for future Texans. Because of changes in land use, ownership, technology, and population growth, the need for soil and water conservation programs will remain critical. Texas has a finite number of acres to provide for the needs and desires of citizens and visitors, and this places an ever-increasing demand on agricultural land. Farmers and ranchers face complex decisions concerning the best ways to manage and utilize the land available to them.

We believe that soil and water conservation programs must remain dynamic as land uses change and technology improves to make some conservation practices more capable of meeting demands on soil and water resources. We also maintain the belief that the purpose of the soil and water conservation program is to promote the wise use of our renewable natural resources and provide for the conservation and enhancement of the soil and water resources of this state through and by the dynamic decisions of local soil and water conservation districts which promotes the use of each acre of land within its capabilities and treating it according to its needs.

From the beginning, the Texas State Soil and Water Conservation Board and local soil and water conservation districts have formed an organizational framework through which various complex governmental conservation programs are delivered to local landowners and operators. This relationship has successfully been utilized to disseminate sound management techniques and practices to maintain individual productive land uses to provide for the needs of present and future generations.

To the landowners of Texas, the individual soil and water conservation district directors, and the many agencies and organizations assisting and working with our programs, we offer our sincere thanks.

Historical Background

In the early history of the United States, those involved in agriculture often did not consider the conservation of soil and water resources. Land was cleared and put into farm production. When the land quit producing at a profitable level, the farmers merely moved on to new land farther west and started the process over again. There was no need to be concerned with soil conservation, as there was a seemingly unlimited supply of virgin land waiting to be tilled. This process continued through the 1800s and into the early 1900s. With the outbreak of World War I, farmers in the Great Plains states were encouraged to break out native grassland to grow wheat and other foodstuffs to feed the nation and the world. As a result of these and other unwise management practices and the fact that the farmlands were experiencing long periods of drought, the 1930s produced some of the worst dust storms the nation had ever seen. Clouds of dust rolled across the plains states sending dust storms through the south and into the nation's capital. At the same time, the nation was in the midst of a great economic depression. The federal government, seeking ways to put people back to work and encourage conservation, created the Civilian Conservation Corps and Soil Erosion Service. Through these mechanisms, demonstration projects were initiated to train technicians and to educate the public in ways to conserve soil resources. These programs were successful in putting people back to work, but lacked the local ties to establish lasting conservation programs.

One of the early day leaders in the national effort to control soil erosion was Hugh Hammond Bennett from North Carolina. After graduation from the University of North Carolina in 1903, Hugh Bennett took a job with the Bureau of Soils in the United States Department of Agriculture. Because of his experience, scientific knowledge and leadership ability, he was put in charge of the Soil Erosion Service when it was created in 1933. In 1935, P.L. (Public Law) 46 was passed creating the Soil Conservation Service within the U.S. Department of Agriculture and Hugh Bennett became the first Chief of the agency. He soon became internationally known for his accomplishments in conservation work.

With the help of Congressman Buchanan from Columbus, Texas, Hugh Bennett was able to persuade President Franklin Roosevelt that the soil resources of this nation were being wasted. He convinced the President that a Model Soil Conservation Act should be developed and sent to the governors of each state for passage by their state legislatures. The purpose of this Model Act would be to develop programs at the state and local level to control soil erosion.

In 1936, such a Model Act was sent to the governors with the endorsement of President Roosevelt. The Model Act, developed in Washington, was patterned after the Texas Wind Erosion Act, the Grass Conservation Acts in the Northern High Plains and certain water conservation district law.

In 1937 legislation was introduced in the Texas Legislature based on this Model Act. It is reported that as many as 25 different versions of this soil conservation law were considered

before a final version was passed. There was much heated discussion of the proposed legislation. When the final version was adopted, the bill contained many undesirable features. The law would have set up Soil Conservation Districts automatically on a county basis and made County Commissioners Courts the governing body. A portion of the county tax was to be used to finance the program and county agricultural agents were to be the administrative officers.

A number of agricultural leaders from across the state had, by this time, become concerned about the newly passed legislation. It was their opinion that, if the responsibility for installing and maintaining conservation measures lay in the hands of the land owners, the control of such a program should also be in their hands.

As a result of these and other concerns, a group of landowners led by V.C. Marshall of Heidenheimer, Texas, convinced the Governor to veto the 1937 legislation.

Hard feelings among agricultural leaders resulted from the attempt to pass this soil conservation law. Under the leadership of Mr. Marshall, a concerted effort was made during the interim between legislative sessions to heal the old wounds and to put together a version of a law that would be generally accepted by the farmers and ranchers of Texas. Mr. Marshall organized a committee of leaders from across the state to promote the passage of a new Soil Conservation Law. He traveled many miles at his own expense seeking the views of agricultural leaders and promoting the idea of the Soil Conservation District Program.

The key points Mr. Marshall felt should be included in the new law were that (1) farmers and ranchers should determine whether or not a Soil Conservation District was needed and hold a local option election prior to the establishment of the district; (2) the program should be controlled by landowners; and (3) the Soil Conservation Districts should have no taxing authority or the power of eminent domain.

In 1939 the Texas Legislature passed H.B. (House Bill) 20 which incorporated those features and was the first Soil Conservation Law for the state. The law created the State Soil Conservation Board and allowed for the creation of the Soil Conservation Districts. Mr. Marshall was elected as the first Chairman of the Soil Conservation Board and later resigned to become the first Executive Director of the agency.

On April 30, 1940, the Secretary of the State issued Certificates of Organization for the first 16 Soil Conservation Districts paving the way for the program we now operate. Today, Texas has 216 local soil and water conservation districts that encompass more than 99% of the state.

As previously mentioned, the Model Act endorsed by President Roosevelt was in part patterned after the Texas Wind Erosion Act. Texas was already making attempts to address soil conservation as a result of the “Dust Bowl” days of the 1930s. The 44th Legislature in 1935 passed legislation authorizing the establishment of Wind Erosion Conservation Districts. This law provided for the creation of districts to “conserve the soil by prevention of unnecessary erosion caused by winds, and the reclamation of lands that have been depreciated or denuded of soil by reasons of winds.” Although a number of Wind Erosion Control Districts were created,

the passage of the Soil Conservation District Law in 1939 resulted in those districts becoming dormant.

In 1975, Governor Dolph Briscoe, by Executive Order, designated the TSSWCB as lead agency to assume the planning and management responsibility for control of agricultural and silvicultural nonpoint source pollution as required by the Federal Water Pollution Control Act.

In 1981 the 67th Legislature passed H.B. 1436, which for the first time codified the agricultural laws of Texas. Title 7, Chapter 201 of this code contains the portion pertaining to Soil and Water Conservation.

In 1985 the 69th Legislature passed S.B. 1083 creating a Brush Control Program in Texas and granting new powers and responsibilities, without funding, to the TSSWCB and Soil and Water Conservation Districts under Chapter 203 of the Agriculture Code.

In 1999, the TSSWCB received its first appropriation in the FY00-01 biennium to control water-depleting brush and trees, such as cedar and mesquite. The program received \$9.1 million to establish a pilot project in the North Concho Watershed.

In 1993, the 73rd Legislature passed S.B. 503 which named the TSSWCB the lead agency to address water quality issues relating to runoff from diffused, or nonpoint sources resulting from agricultural and forestry operations. In 1999, the Legislature expanded the TSSWCB's environmental mission and appropriated money to address water pollution from nonpoint sources under a separate, federally mandated program.

The leaders who framed the Texas Soil and Water Conservation Law in 1939 recognized that landowners and operators of private land constitute the basic resource for the conservation of our renewable natural resources. Without the support and willing participation of private landowners and operators in the development and implementation of soil and water conservation programs there is little hope of success. Local soil and water conservation districts led by farmers and ranchers who know the land and the local conditions and problems have the means to develop conservation plans that address each acre of land specific to its needs to solve or reduce the severity of its problems.

Sunset

The Texas State Soil and Water Conservation Board has been under Sunset review. In June, the Sunset Advisory Commission made their decisions concerning the agency and has recommended that the agency be continued for another 12 years. Other recommendations and the full report from the Sunset Commission may be viewed at:

http://www.sunset.state.tx.us/82ndReports/SWCB/SWCB_DEC.pdf

Organization

Since inception, the TSSWCB has been governed by five board members, elected by delegates from each of five regions of the state's 216 local soil and water conservation districts. Elections occur annually at regional conventions of the local soil and water conservation districts, with members serving two-year staggered terms. However, with the enactment of S.B. 1828 by the 78th Legislature, two Governor appointees join the five elected board members to create a seven-member board. The two Governor appointed positions are listed below. The term of one member appointed by the Governor expires February 1 of each odd-numbered year, and the term of the other member appointed by the Governor expires on February 1 of each even-numbered year.

Elected State Board members must be 18 years of age or older; hold title to farmland or ranchland; and be actively engaged in farming or ranching. The Governor appointees must be actively engaged in the business of farming, animal husbandry, or other business related to agriculture and wholly or partly owns or leases land used in connection with that business; and may not be a member of the board of directors of a conservation district.

The State Board elects its own Chair and generally meets every odd month, unless specific programs or issues require more immediate action. The following list shows the current Board members and shows which State Board Region they represent.

Texas State Soil and Water Conservation Board

Member Name	Region	Term	Residence
Aubrey L. Russell	#1	May 5, 2009 – May 3, 2011	Panhandle
Marty H. Graham	#2	May 4, 2010 - May 1, 2012	Rocksprings
José O. Dodier, Jr.	#3	May 5, 2009 – May 3, 2011	Zapata
Jerry D. Nichols	#4	May 4, 2010 – May 1, 2012	Nacogdoches
Barry Mahler	#5	May 5, 2009 – May 3, 2011	Iowa Park
Larry D. Jacobs	Appointed	February 1, 2010- February 1, 2012	Montgomery
Joe L. Ward	Appointed	February 1, 2009- February 1, 2011	Telephone

Staff

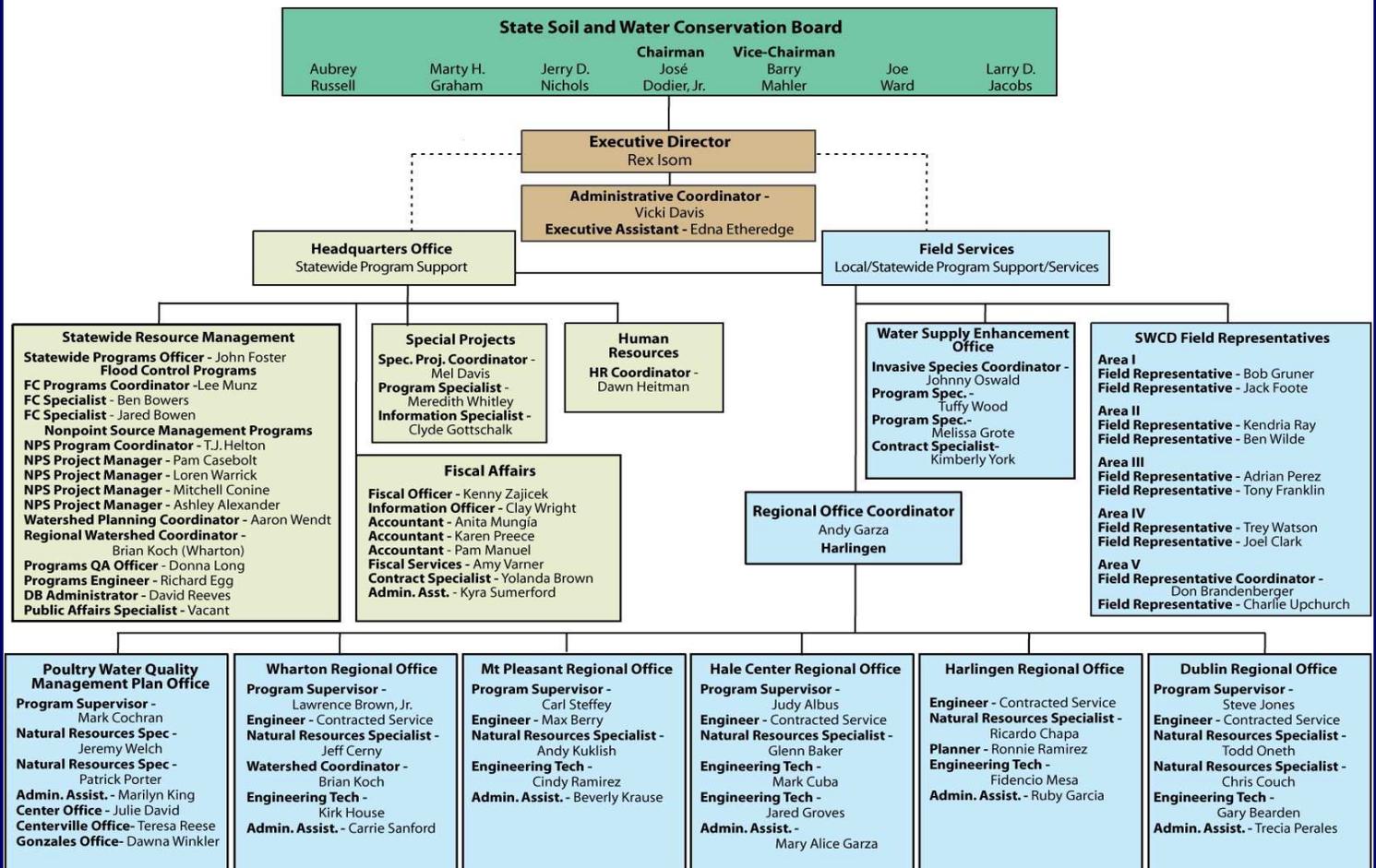
Mr. Rex Isom has been the Executive Director since January 2004 and continues to carry out the directives of the State Board and directing staff efforts. We emphasize our agency philosophy as stated in our Strategic Plan, "The State Soil and Water Conservation Board will act in accordance with the highest standards of ethics, accountability, efficiency, and openness. We affirm that the conservation of our natural resources is both a public and a private benefit, and we approach our activities with a deep sense of purpose and responsibility." Mr. Isom, as Executive Director, is leading the agency in that direction and expects all employees to follow that lead.

The 81st Legislature authorized appropriations for 5 additional full-time employees (FTEs) 3 full-time employees to facilitate operation, maintenance, and repair of flood control structures, 1 full-time employee to assist with new and existing water enhancement projects, and 1 federally

funded full-time employee to perform database development and geographic information systems for the agency.

As of December 1, 2010, the TSSWCB employed 74 staff, 26 of which work in the Temple headquarters. The remaining employees are field staff, either working out of their homes or located in seven satellite offices, located throughout the state. Due to difficulty in recruiting, engineers services are now being contracted with engineering firms. The following organization chart shows the agency's current structure.

The current structure of the TSSWCB reflects efforts to maintain more personnel in the field and away from headquarters for a 65% to 35% ratio of Field personnel to Headquarters personnel. The regional office staff along with the program specific staff provides on-site technical assistance to farmers and ranchers. The field staff serves as a liaison between the TSSWCB and local districts. The field staff also provides assistance to local districts and district employees concerning operations, programs, and activities. The regional office staff and the program specific staff coordinate with the Texas Commission on Environmental Quality (TCEQ), Texas AgriLife Extension Service, and the USDA's Natural Resource Conservation Service (NRCS) to provide technical assistance to landowners to implement Water Quality Management Plans (WQMPs). Figure 1- Map of Agency Organization



Soil and Water Conservation Districts

The TSSWCB performs many of its activities in coordination with the state's 216 local soil and water conservation districts. These local districts are political subdivisions of the state, established through local option elections of agricultural landowners. Districts generally reflect county boundaries, but may also follow river basin or watershed boundaries, depending on the desires of the local landowners.

The following soil and water conservation district map shows the current 216 local districts that cover the entire state. The map also shows the grouping of the districts into the five State Board Districts that respectively elect a State Board member and shows the field staff that is assigned to work with each district within a specific area.

Zones and Districts

TEXAS STATE SOIL AND WATER CONSERVATION BOARD

4311 S. 31st St., Suite 125
Temple, Texas 76702

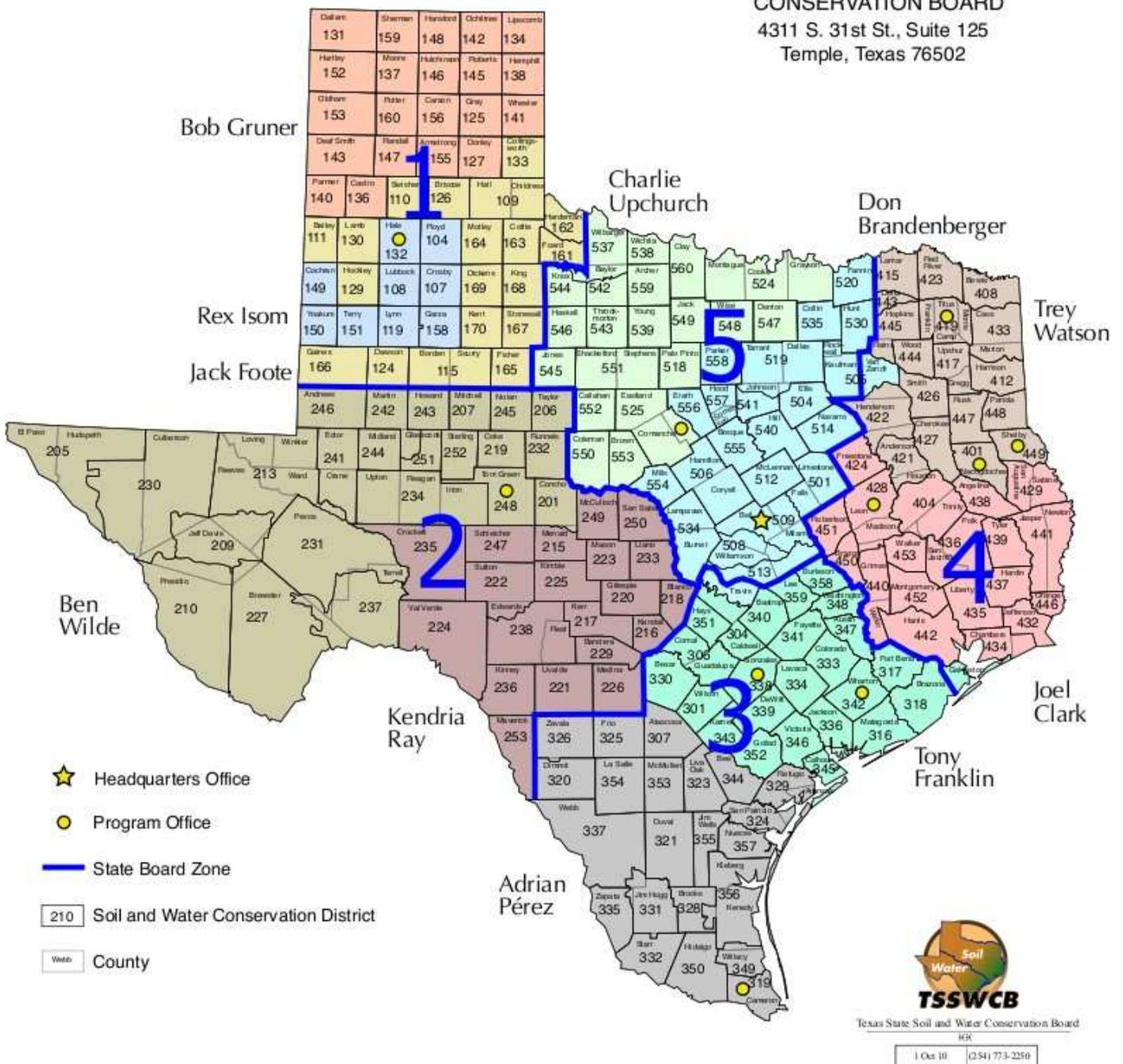


Figure 2- Map of State Board Zones and Soil and Water Conservation Districts

Landowners within these local districts elect the five district directors that comprise the districts governing body or board of directors. This board of directors administers the programs and activities of the district. Representatives of the districts within each region then elect the members of the State Board through a series of convention style-elections.

Districts do not have taxing authority and rely on locally generated funds from various activities and programs, federal assistance, county assistance, and state assistance from the TSSWCB. The USDA Natural Resource Conservation Service (NRCS) provides most of the federal assistance available to districts and through cooperative agreements provides technical assistance to farmers and ranchers requesting assistance from the district.

Annual State Meeting Of Soil and Water Conservation District Directors

The Annual State Meeting of Soil and Water Conservation District Directors, required in §201.081, Texas Agriculture Code, was held October 25-27, 2010 in Lubbock at the Overton Hotel. The 2011 Annual State Meeting is scheduled for the Hill Country Hyatt Regency in San Antonio on October 24-26. Registration information will go out in July 2011 for the meeting.

Director Mileage and Per Diem

The 81st Legislature provided an additional \$134,510 per year to offset costs for the increase in the reimbursement rate for District Director Mileage claims from 18 cents to the current state rate of mileage. The FY 2011 appropriation for this program is \$434,510.

District Technical Assistance Funds

The 81st Legislature provided Districts with a 5% across the board increase in Technical Assistance Funds and additional targeted assistance for Total Maximum Daily Loads and Watershed Protection Plans. The TSSWCB disburses Technical Assistance payments to Districts on a reimbursing basis to supplement their efforts in providing assistance to agricultural producers in the state. Distributions are contingent upon Districts filing annual performance reports with the TSSWCB. The FY 2011 appropriation for this program is \$1,778,154.

District Conservation Assistance Program

The 81st Legislature provided Conservation Assistance Grants to Districts for the 2010-11 Biennium. The grants are awarded on a matching basis requiring Districts to raise funds from sources other than the TSSWCB. Districts do not have taxing authority and use locally raised funds with this matching grant to support their operational expenses. The FY 2011 appropriation for this program is \$916,364.

Programs & Activities of the TSSWCB

The services and programs provided by the TSSWCB target rural Texas farmers and ranchers, but the results of these services benefit all Texans. For example, many of the flood control structures maintained by SWCDs serve to protect heavily populated areas from flood damage, and also prevent sediment from building up in drinking water supplies. Another example is the use of best management practices (BMPs), implemented through TSSWCB-certified water

quality management plans (WQMPs), to prevent pesticides, nutrients, bacteria and other pollutants from impairing the use of Texas streams, rivers, lakes, and estuaries.

The agency is responsible for numerous natural resource conservation efforts, the most prominent of which is serving as the lead state agency responsible for planning, implementing and managing programs and practices for preventing and abating agricultural and silvicultural (forestry-related) nonpoint source (NPS) water pollution. To fulfill this mandate, the agency jointly administers the *Texas Nonpoint Source Management Program*. As a result, many of the agency's programs and services, and more than 40% of the agency's annual budget, aim to improve and protect water quality, including the Water Quality Management Plan Program, the Clean Water Act §319(h) Nonpoint Source Grant Program, the State General Revenue Nonpoint Source Grant Program, the Total Maximum Daily Load Program, and the Watershed Protection Plan Program. Additionally, the TSSWCB is a statutorily-authorized member of the Coastal Coordination Council and the Texas Groundwater Protection Committee.

The TSSWCB is also responsible for programs affecting water quantity. The major existing program is the Water Supply Enhancement Program which seeks to increase water supply through the selective control of noxious phreatophytic brush. Additionally, many BMPs implemented by farmers and ranchers as prescribed in their WQMP have ancillary water conservation benefits – increasing irrigation efficiency and reducing water demand. The TSSWCB is a statutorily-authorized member of the Water Conservation Advisory Council, which was established by the 80th Texas Legislature.

Other responsibilities include prevention of soil erosion, control of floods, maintaining the navigability of waterways, the preservation of wildlife, protection of public lands, and providing information to landowners regarding the jurisdictions of the TSSWCB and the Texas Commission on Environmental Quality (TCEQ) related to NPS water pollution.

FLOOD CONTROL PROGRAMS

Background

Nearly 2,000 floodwater retarding structures, or dams, have been built over the last 60 years within the State of Texas. The primary purpose of the structures is to protect lives and property by reducing the velocity of floodwaters, and thereby releasing flows at a safer rate. These are earthen dams that exist on private property, and were designed and constructed by the United States Department of Agriculture - Natural Resources Conservation Service (USDA-NRCS). They were built with the understanding that the private property owner would provide the land, the federal government would provide the technical design expertise and the funding to construct them, and then units of local government would be responsible for maintaining them into the future.

Local sponsors of the dams were required before a federal project was begun. Local sponsors signed a watershed agreement which outlined the duties and responsibilities of the federal and local sponsors. In general, local sponsors are required to obtain and enforce easements, conduct operation and maintenance (O&M) inspections, maintain the structures, and implement land

treatment measures in the watershed. Soil and water conservation districts (SWCD) are one of the local sponsors in all watershed projects. Other local sponsors include counties, cities, and Water Control and Improvement Districts (WCIDs).

Due to the passage of time and difficulty in raising adequate funds locally, many sponsors approached the Texas Legislature with their concerns over the amount of needed O&M and repairs. In recognition that these dams will continue to serve as a critical protection for our state's infrastructure, private property, and lives, the Legislature appropriated \$15 million dollars to the Texas State Soil and Water Conservation Board (TSSWCB) for grants to local SWCDs during the 2010-2011 biennium for O&M and structural repairs.

In response to this appropriation, the TSSWCB assembled a representative stakeholder group and began the process of developing programs to deliver the funds to the sponsors of flood control dams during the Summer of 2009. It was determined that the most efficient and effective way to proceed was to develop two separate grant programs, one to address O&M, and the other to address structural repairs, due to their difference in complexity.

The O&M Grant Program is a reimbursable grant program for local SWCDs and certain co-sponsors of flood control dams. This program reimburses SWCDs 90% of the cost of an eligible O&M activity as defined by the program rules; the remaining 10% must be paid with non-state funding. Rules for the O&M Grant Program were developed by the TSSWCB staff and a representative stakeholder group during the Summer of 2009. The rules were adopted by the State Board on September 17, 2009, and published in the Texas Register on October 9, 2009. The rules became effective October 14, 2009 and the program is now fully operational.

Below is a summary of the Flood Control O&M Grant Program for FY 2010 and FY 2011 as of 12/1/2010.

FY 10 Contracted \$555,129.14		FY 11 Allocation \$2,472,008.85	
Original O&M	Original Admin	Original O&M	Original Admin
\$528,652.54	\$26,476.60	\$2,354,294.10	\$117,714.75
Spent O&M	Spent Admin	Spent O&M	Spent Admin
\$367,353.06	\$16,892.38	\$483,784.41	\$23,925.29
Remaining O&M	Remaining Admin	Remaining O&M	Remaining Admin
\$162,704.42	\$8,135.17	\$1,870,851.47	\$93,447.68
Total FY 10 Contract Remaining		Total FY11 Remaining	
\$170,839.59		\$1,964,299.15	

Rules for the Structural Repair Grant Program were adopted by the State Board on March 18, 2010, and became effective April 25, 2010. On May 4, 2010 districts and sponsors were notified that the TSSWCB was seeking applications for structural repair projects on flood control dams for FY 2010 in accordance with Texas Administrative Code, Chapter 529, Subchapter B. Seventeen applications were received covering thirty-nine dams. A total of 18 flood control dams will receive state grant funding from FY2010. Of the 18 dams, 5 are also receiving funding through the USDA-NRCS Emergency Watershed Protection (EWP) Program for disaster

recovery; the TSSWCB is providing 95% of the non-federal match requirement (25%) for these dams. The remaining 13 dams are receiving state grant funds providing 95% of the total cost of each project. In total, \$3,915,471 of FY 2010 state repair grant funds have been obligated.

On September 30, 2010 districts and sponsors were notified that the TSSWCB is seeking applications for structural repair projects on flood control dams for FY 2011 in accordance with Texas Administrative Code, Chapter 529, Subchapter B. The TSSWCB received ten applications on sixteen dams for structural repair projects. TSSWCB staff will rank the applications to determine which projects may receive funding.

TEXAS NONPOINT SOURCE MANAGEMENT PROGRAM

The federal Clean Water Act (CWA) requires States to develop a program to protect the quality of water resources from the adverse effects of NPS water pollution. The *Texas NPS Management Program* is the State's official roadmap for addressing NPS pollution. The program publication is updated every five years. The most recent revision was submitted to the U.S. Environmental Protection Agency (EPA) by the Governor in December 2005. After discussions among TCEQ, TSSWCB, and EPA staff about the current timeline for updating the *Texas NPS Management Program* document by December 2010, it was decided that an extension would be necessary to incorporate new programmatic initiatives and ensure an adequate public review process. A letter was sent by TCEQ to EPA requesting to extend the applicability of the current *Texas NPS Management Program* document until May 2012 to allow the new initiative to be incorporated in the revision. All other matters related to the *Texas NPS Management Program* document including goals and objectives, priorities, programs and BMPs would remain unchanged during this extended period. On August 16, 2010, EPA approved extending the applicability of the current *Texas NPS Management Program* document through July 2012. The *Texas NPS Management Program* is jointly administered by the TSSWCB and the TCEQ.

The *Texas NPS Management Program* utilizes baseline water quality management programs and regulatory, voluntary, financial, and technical assistance approaches to achieve a balanced program. NPS pollution is managed through assessment, planning, implementation, and education. The TSSWCB and the TCEQ have established goals and objectives for guiding and tracking the progress of NPS management in Texas.

On May 5, 2010, TSSWCB and TCEQ released the *2009 Annual Report on Managing NPS Water Pollution in Texas*; the report is jointly published by the TSSWCB and the TCEQ. In accordance with the CWA, the State must annually report to EPA on success in achieving the goals and objectives of the *Texas NPS Management Program*. The report highlights the State's efforts during FY2009 to collect data, assess water quality, implement projects that reduce or prevent NPS pollution, and educate and involve the public to improve and maintain the quality of water resources for current and future generations of Texans. The report is available at <http://www.tsswcb.state.tx.us/reports#nps>.

Implementation of the *Texas NPS Management Program* involves partnerships among many organizations. With the extent and variety of NPS issues across Texas, cooperation across

political boundaries is essential. Many local, regional, state, and federal agencies play an integral part in managing NPS pollution, especially at the watershed level. They provide information about local concerns and infrastructure and build support for the kind of pollution controls that are necessary to prevent and reduce NPS pollution. SWCDs are vital partners in working with landowners to implement BMPs that prevent and abate agricultural and silvicultural NPS water pollution. By establishing coordinated frameworks to share information and resources, the State can more effectively focus its water quality protection efforts.

Multiple water quality programs administered by and/or coordinated through TSSWCB collectively represent the agency's efforts in supporting the goals and objectives of the *Texas NPS Management Program* including:

- Clean Water Act §319(h) Nonpoint Source Grant Program
- State General Revenue Nonpoint Source Grant Program
- Total Maximum Daily Load (TMDL) Program
- Watershed Protection Plan (WPP) Program
- Water Quality Management Plan (WQMP) Program
- Coastal Coordination Council
- Texas Groundwater Protection Committee

For more information on the *Texas NPS Management Program*, visit our website at <http://www.tsswcb.state.tx.us/managementprogram>.

Clean Water Act §319(h) Nonpoint Source Grant Program

Congress enacted §319(h) of the CWA in 1987, establishing a national program to control NPS water pollution. Through §319(h), federal funds are provided annually through the EPA to States for the development and implementation of each State's NPS Management Program. Texas' share of the §319(h) funding is divided equally between the TCEQ and the TSSWCB. Over the past several years, the State's allocation has been approximately \$9 million per year.

TSSWCB is currently administering \$16 million in unliquidated federal funds from FY2004-FY2010 CWA §319(h) allocations. There are currently 54 ongoing §319(h) grant-funded projects addressing a wide array of agricultural and silvicultural NPS issues; a list and brief description of ongoing projects is provided in Attachment 2. Specific project activities include developing and implementing Watershed Protection Plans and Total Maximum Daily Loads; supporting targeted educational programs; and implementing BMPs to abate NPS pollution from dairy and poultry operations, silvicultural activities, grazing livestock operations, and row crop operations.

Quarterly progress reports for ongoing projects were received on July 15, 2010 and October 15, 2010. To date, reports have been received for 100% of the projects. These reports are entered semi-annually into EPA's Grants Reporting and Tracking System.

TSSWCB published the FY2011 Request for Proposals (RFP) for the NPS Grant Program On October 8, 2010. The RFP was published in the *Texas Register*, posted on the TSSWCB website,

and all SWCDs and cooperating entities were notified of this funding opportunity. TSSWCB staff identified priority areas and activities for this funding cycle based on the *Texas NPS Management Program* and the *2008 Texas Water Quality Inventory and 303(d) List*. The deadline for proposal submission was November 19, 2010. TSSWCB received 26 proposals requesting a total of \$10,877,077 in federal funds. Received proposals are being reviewed by TSSWCB staff based on the published ranking criteria and selected for funding. Projects receiving federal funding must be submitted to EPA in spring 2011 for review and approval.

For more information on the TSSWCB CWA §319(h) NPS Grant Program, visit our website at <http://www.tsswcb.state.tx.us/managementprogram/browseactive>.

State General Revenue Nonpoint Source Grant Program

The 80th Texas Legislature appropriated general revenue funds to the TSSWCB for the purpose of planning, implementing, and managing programs and practices for preventing and abating agricultural and silvicultural NPS water pollution in impaired watersheds; the 81st Texas Legislature renewed this appropriation. On September 17, 2009, the TSSWCB approved a revised *TSSWCB Policy on TMDLs and Watershed Planning, Assessment, and Implementation Activities* which provides guidance to staff on directing state appropriations for the NPS Grant Program. TSSWCB is committed to funding projects encompassing monitoring, assessment, modeling, planning, education, and implementation that address the goals and objectives in the *Texas NPS Management Program*. The TSSWCB has approved operating budgets for FY2009, FY2010, and FY2011 that allocated a total of \$3.5 million in state general revenue to the NPS Grant Program.

TSSWCB is currently administering \$2.5 million in unliquidated state funds from FY2009-FY2011 State NPS Grant Program allocations. There are currently 14 ongoing general revenue-funded projects addressing an array of agricultural and silvicultural NPS issues; a list and brief description of ongoing projects is provided in Attachment 3. These projects support increased analytical infrastructure at public bacterial source tracking (BST) laboratories, implementation of agricultural NPS components of TMDL I-Plans, technical assistance for the development of WQMPs on agricultural lands, demonstration of innovative BMPs on animal feeding operations, and the collection and analysis of water quality data for watersheds with impaired waterbodies.

Quarterly progress reports for ongoing projects were received on September 15, 2010 and December 15, 2010. To date, reports have been received for 100% of the projects.

For more information on the TSSWCB State General Revenue NPS Grant Program, visit our website at <http://www.tsswcb.state.tx.us/managementprogram/browseactive>.

Total Maximum Daily Load Program

The CWA requires Texas to identify lakes, rivers, streams, and estuaries failing to meet or not expected to meet water quality standards and not supporting their designated uses (swimming, drinking, aquatic life, etc.). This list of impaired waterbodies is known as the *Texas 303(d) List*

and must be submitted to the EPA for review and approval every two years. The *2008 Texas Water Quality Inventory and 303(d) List* was approved by EPA on July 9, 2008. The *2008 List* identifies over 830 impairments (waterbody-pollutant combinations). On August 25, 2010, the TCEQ approved the *2010 Texas Integrated Report for CWA §§305(b) and 303(d)* for submission to EPA. EPA must now take action to approve or disapprove the *2010 Texas 303(d) List of Impaired Waters*.

The State must then establish a Total Maximum Daily Load (TMDL) for certain waterbodies identified on the *303(d) List*. A TMDL defines the maximum amount of a pollutant that a waterbody can assimilate on a daily basis and still meet water quality standards. The pollution reduction goal set by the TMDL is necessary to restore attainment of the designated use of the impaired waterbody. The maximum amount of pollutant is determined by conducting a detailed water quality assessment that provides the information for a TMDL to allocate pollutant loads between point sources and nonpoint sources. It also takes into account a margin of safety, which reflects uncertainty and future growth.

Based on the environmental target of the TMDL, an Implementation Plan (I-Plan) is then developed that prescribes the measures necessary to mitigate anthropogenic (human-caused) sources of that pollutant in that waterbody. The I-Plan specifies limits for point source dischargers and recommends BMPs for nonpoint sources. It also lays out a schedule for implementation. Together, the TMDL and the I-Plan serve as the mechanism to reduce the pollutant, restore the full use of the waterbody and remove it from the *303(d) List*. EPA must approve the TMDL, but the I-Plan only requires State approval.

With authority as the lead agency in Texas for planning, implementing, and managing programs and practices for preventing and abating agricultural and silvicultural NPS water pollution, TSSWCB shares responsibility with the TCEQ for the development and implementation of TMDLs. TSSWCB is committed to funding and collaborating with the TCEQ, on TMDL projects encompassing monitoring, assessment, modeling, planning, education, and implementation.

On September 27, 2006, at a joint meeting, the TSSWCB and the TCEQ renewed this partnership and approved a revised *Memorandum of Agreement on Total Maximum Daily Loads, Implementation Plans, and Watershed Protection Plans*. This framework for collaboration between the two agencies describes the programmatic mechanisms employed to develop and implement TMDLs and I-Plans.

TSSWCB is engaged in implementation activities that support approved I-Plans addressing agricultural or silvicultural NPS load reductions described in adopted TMDLs; collaborating with stakeholders on the development of I-Plans for adopted TMDLs that contain agricultural or silvicultural NPS load reductions; and, actively engaged in the development of TMDLs for waterbodies impaired due to known or suspected agricultural or silvicultural NPS pollution.

TSSWCB funded activities are mitigating bacteria, atrazine, dissolved oxygen, phosphorus and salinity impairments through TMDLs and I-Plans. Specific watersheds where TSSWCB efforts to restore water quality are channeled through TMDL development and implementation are

discussed in the *Watershed Approach to Water Quality Planning and Implementation* section of this Report.

In order to abate agricultural and silvicultural NPS pollution, TMDLs and I-Plans will implement components of other TSSWCB Programs, such as the Water Quality Management Plan Program or the Water Supply Enhancement Program. Additionally, the TSSWCB CWA §319(h) NPS Grant Program and the State General Revenue NPS Grant Program frequently serve as funding sources to implement the agricultural and silvicultural NPS components of I-Plans. These programs are described in detail in other sections of this Report.

For more information on the TSSWCB TMDL Program, visit our website at <http://www.tsswcb.state.tx.us/tmdl>.

Recreational Use Attainability Analyses

According to the *2008 Texas Water Quality Inventory and 303(d) List*, two hundred ninety-five (295) waterbodies are impaired because they do not meet surface water quality standards for bacteria established to protect contact recreation use (in freshwater or saltwater) and/or oyster water use. The magnitude of bacteria impairments in Texas is evident when compared to all other types of water quality impairments. These bacteria impairments represent over 48% of all impairments on the *303(d) List*.

Critical to solving the breadth of bacteria impairments statewide is ensuring that the water quality standards designed to protect recreation use are appropriate and credible. On June 30, 2010, the TCEQ adopted major revisions to the Texas Surface Water Quality Standards, including significant modifications to contact recreation use and associated bacteria criteria. The Commission adopted expanding the categories of recreation use to create more options and differentiating the bacteria criteria to protect those uses, specifically by creating a four-tier approach including primary contact recreation, secondary contact recreation 1, secondary contact recreation 2, and noncontact recreation; previously, there were only two options. The adopted Standards were published in the *Texas Register* and become effective as a State rule on July 22, 2010. TCEQ submitted the revised Standards to EPA on August 4, 2010; EPA must now take action to approve these changes to the Standards in accordance with the federal CWA.

In order to change the presumed level of recreation use of a waterbody (i.e., primary contact recreation) to any of the other 3 tiers and the associated bacteria criterion, a recreational use attainability analysis (RUAA) must be completed for each waterbody and approved by TCEQ and subsequently EPA.

The purpose of an RUAA is to ascertain the actual recreation occurring on a waterbody, establish or verify a presumed use, and, if necessary, assign a more appropriate use. During an RUAA information is collected on water recreation activities, stream flow type, and stream depth; additionally, interviews from users who are present during surveys and those familiar with the waterbody may be conducted and a review of historical information may be completed. If the results of the RUAA indicate that a different, more appropriate use is warranted, the resulting

change in the associated bacteria criterion may result in the waterbody no longer being identified on the *303(d) List* as impaired, thus negating the need to adopt a TMDL.

The TCEQ is in the process of conducting RUAAs on over 110 waterbodies across the state; TSSWCB is taking the lead on conducting RUAAs on another 11 waterbodies. Prior to conducting the surveys, local stakeholders will be contacted to seek input on each project's monitoring plan. Specifically, citizens will be asked to provide input on potential sites near stream crossings to perform evaluations, and landowners will be asked to provide access to evaluate those stretches of the river that are not readily accessible to the public. TCEQ is coordinating communication with SWCDs through the TSSWCB. After the RUAAs are conducted, TCEQ will evaluate the information and again consult with stakeholders regarding potential site-specific revisions to the surface water quality standards for each waterbody.

Because adopted changes to the surface water quality standards affecting recreation use tiers and bacteria criteria must first be approved by EPA, any changes to specific waterbodies as a result of these RUAAs will not likely be reflected until at least the *2014 303(d) List* is published in April 2014.

For more information on RUAAs being conducted statewide, visit the TCEQ website at http://www.tceq.state.tx.us/permitting/water_quality/wq_assessment/standards/ruaas/index.

Watershed Protection Plan Program

Watershed Protection Plans (WPPs) are locally-driven efforts that serve as a mechanism for voluntarily addressing complex water quality problems that cross multiple jurisdictions. WPPs are coordinated frameworks for implementing prioritized and integrated water quality protection and restoration strategies driven by environmental objectives. Through the WPP process, TSSWCB encourages stakeholders to holistically address all the sources and causes of impairments and threats to both surface and ground water resources within a watershed.

WPPs serve as tools to better leverage the resources of local governments, state and federal agencies, and non-governmental organizations. WPPs integrate activities and prioritize implementation projects based upon technical merit and benefits to the community, promote a unified approach to seeking funding for implementation, and create a coordinated public communication and education program. Developed and implemented through diverse, well integrated partnerships, a WPP assures the long-term health of the watershed with solutions that are socially acceptable and economically viable which achieve environmental goals for water resources. Adaptive management is used to modify the WPP based on an on-going science-based process involving monitoring and evaluating strategies and incorporating new knowledge into decision-making.

TSSWCB-sponsored WPPs are consistent with guidelines promulgated by the EPA in 2003. These guidelines describe nine elements fundamental to a potentially successful plan. The TCEQ also sponsors WPPs based on EPA's guidelines. EPA requires certain expenditures through §319(h) grants to be in accordance with a WPP. TSSWCB provides technical and financial

assistance to local stakeholder groups to develop and implement WPPs to address significant agricultural or silvicultural NPS issues. Additionally, TSSWCB staff provide technical assistance in developing WPPs which are funded and facilitated by other entities, such as the TCEQ.

Partnerships with the Texas AgriLife Extension Service, the Texas Water Resources Institute and the TCEQ have resulted in the development of training programs for local stakeholder groups and watershed coordinators. The Texas Watershed Steward Program (<http://tw.s.tamu.edu/>) supports the development and implementation of WPPs by promoting a sustainable proactive approach to managing water quality at the local level by empowering individuals to take leadership roles in the management of water resources. The Texas Watershed Planning Short Course (<http://watershedplanning.tamu.edu/>) delivers training to watershed coordinators and water resource professionals to ensure WPPs are adequately planned, coordinated, implemented, and results properly assessed and reported. In order to build upon the fundamental knowledge conveyed through the Short Course, the State is now hosting Watershed Coordinator Roundtables (<http://watershedplanning.tamu.edu/developing/guidance/roundtable>) semi-annually to continue dialogue between watershed coordinators in order to facilitate interactive solutions to common issues being faced statewide

On September 27, 2006, at a joint meeting, the TSSWCB and the TCEQ approved a revised *Memorandum of Agreement on Total Maximum Daily Loads, Implementation Plans, and Watershed Protection Plans*. This framework for collaboration between the two agencies describes the programmatic mechanisms employed to develop and implement WPPs.

WPPs currently sponsored by TSSWCB have significant agricultural or silvicultural NPS pollution components and are all funded through CWA §319(h) NPS Grants. While WPPs sponsored by TCEQ have significant water quality issues related to urban NPS pollution or wastewater treatment, most, to varying degrees, have agricultural or silvicultural NPS pollution components. There are several other watershed planning efforts across the state which are funded and sponsored by entities and agencies other than the TSSWCB or the TCEQ. These third-party WPPs may or may not adequately satisfy EPA's nine elements; although, those that do, are eligible to receive CWA §319(h) NPS Grants from the TSSWCB to support implementation of agricultural or silvicultural NPS pollution components of the WPP.

Specific watersheds where TSSWCB efforts to restore water quality are channeled through WPP development and implementation are discussed in the *Watershed Approach to Water Quality Planning and Implementation* section of this Report.

In order to abate agricultural and silvicultural NPS pollution, WPPs will implement components of other TSSWCB Programs, such as the Water Quality Management Plan Program or the Water Supply Enhancement Program. Additionally, the TSSWCB CWA §319(h) NPS Grant Program and the State General Revenue NPS Grant Program serve as funding sources to implement the agricultural and silvicultural NPS components of WPPs. These programs are described in detail in other sections of this Report.

For more information on the TSSWCB WPP Program, visit our website at <http://www.tsswcb.state.tx.us/wpp>.

Water Quality Management Plan Program

In 1993, the Texas Legislature passed Senate Bill 503 that directed the TSSWCB to implement Water Quality Management Plans (WQMPs) in Texas. The agency has implemented more than 6000 WQMPs since the inception of the program.

The WQMP Program is administered from five Regional Offices around the state. A poultry WQMP office was opened in Nacogdoches in January 2005. The Regional Offices are:

Dublin Regional Office
Hale Center Regional Office
Harlingen Regional Office
Mount Pleasant Regional Office
Wharton Regional Office
Poultry Program Office (Nacogdoches)

A WQMP is a site-specific conservation plan developed through (and approved by) SWCDs for agricultural or silvicultural lands. The plan includes appropriate land treatment practices, production practices, management measures, technologies or combinations thereof. The purpose of WQMPs is to achieve a level of pollution prevention or abatement determined by the TSSWCB, in consultation with local soil and water conservation districts that is consistent with state water quality standards.

The TSSWCB selected requirements for a WQMP based on the criteria outlined in the *Field Office Technical Guide (FOTG)*, a publication of the United States Department of Agriculture's Natural Resources Conservation Service (NRCS).

Nutrient management must be included if nutrients are applied. If an animal feeding operation is involved (such as an unpermitted dairy), a WQMP will be planned with practices that individually or in combination with other practices will properly manage animal wastes. Waste utilization will be considered when agricultural wastes are applied. These WQMPs also have subcomponents for irrigation waters, erosion control, and are flexible enough to cater to a wide range of operating systems.

Agricultural and forestry landowners may enter into these cooperative agreements with their local district to control nonpoint source pollution from their operations. While the decision to develop a plan is voluntary, landowners have many reasons to do so. These plans provide for landowners to use best management practices in their operations to protect their most precious agricultural resources by controlling erosion, conserving water, and protecting water quality. In addition, certified plans have the same legal status as Texas Commission on Environmental Quality (TCEQ) point source pollution permits, without having to go through that agency's regulatory process. Landowners may also receive financial incentives to help pay for implementing these plans.

It should be noted that an animal feeding operation that is required by law to operate within the confines of a water quality permit issued by the TCEQ may not participate in the TSSWCB program.

Water Quality Management Plans are especially useful for animal feeding operations. Depending on their size, animal feeding operations may be regulated by TCEQ as a point source or are unregulated and eligible for the TSSWCB's voluntary program. Generally, these feeding operations are classified according to the number of animals they have, calculated as "animal units"; however, TCEQ has adopted rules that provide if you have or exceed a certain number of animals, you will be regulated. Animal feeding operations with more than the number of animals listed in TCEQ rules must apply for a permit. Most animal feeding operations in Texas are not large enough to require a permit, which makes this program critical to protecting Texas' water quality.

In developing the Water Quality Management Plan, the TSSWCB, SWCDs, and the USDA Natural Resources Conservation Service (NRCS) provide technical assistance to help the landowner meet the criteria of the plan. A plan establishes practices and installations on the farm that adhere to best management practices specific for that area. The various installations that a plan calls for depend on the operation. A farm may include a combination of cropland, dairy cows, poultry, hogs or cattle.

These plans may also include erosion control measures such as terraces or grass waterways; or they may address nutrient management to help landowners avoid over-fertilizing their land, or over-applying animal waste. Although a plan will take into consideration each farm's unique components, all WQMPs generally attempt to control erosion, conserve water, and protect water quality.

Upon TSSWCB certification of a WQMP, a landowner may apply for a financial incentive that will help pay for implementing the plan. Local districts have varying rates for sharing the cost of plan implementation; however cost-share may not exceed 75% with a maximum \$10,000 grant limit per plan. Landowners receiving financial incentive have approximately are now given a specific time period to implement conservation practices, otherwise, their applications are cancelled automatically and the funds are reallocated to another plan. This approach hopefully will reduce the amount of lapsed funds.

The TSSWCB allocates money to local districts for financial incentives based on whether the area has impaired water bodies as determined by TCEQ, or if the TSSWCB had previously designated it as a priority. Most of these financial incentives were appropriated from General Revenue funds. Some plans received financial incentives from federal funds. State appropriations provided to local districts in FY08 amounted to \$2,171,740.00 to carry out a WQMP cost-share program in their district.

In addition to certifying WQMPs to ensure that they help abate nonpoint source pollution, the TSSWCB monitors WQMPs to ensure they are properly implemented. Each year, the TSSWCB conducts status reviews on a minimum of 10% of the plans. Additional technical assistance may

be offered to a landowner when a WQMP is found noncompliant. In the unlikely case that the landowner does not achieve compliance with the WQMP, the TSSWCB may decertify the plan.

During FY03, the WQMP Program was administered from the TSSWCB office in Temple. The staff reductions in the FY04 budget made it necessary for the program to be reorganized and the Regional Offices activities are now coordinated through the Harlingen Regional Office. Additionally, plan certification authority was shifted from the Temple headquarters to each regional office. This change is already expediting the certification process and reducing postage expenditures, while maintaining the integrity and standards of the program.

The last adjustment involved the complaint process, which was also administered out of the headquarters office during FY03. Headquarters office no longer has an individual to do complaint inspections and all complaints are investigated from the appropriate Regional Office.

Current Status

A total of 657 water quality management plans were certified by the State Board in FY-2010. The yearly goal was 620 plans.

The period for obligating FY-11 cost-share funds will be from September 1, 2010 through April 30, 2011. All funds not obligated through supplemental requests in May, 2011 will be transferred to the Statewide Fund. Additional allocations will be considered at the July, 2011 State Board meeting.

Lapsed cost-share funds have been reduced by 73% in the last six years. Approximately 7.2% of total cost-share funds are being lapsed statewide at the present time. The next lapsed fund report for the FY-09 funding cycle will be completed in September 2011.

Poultry Water Quality Management Plan Initiative

Background

In 1994, the Texas State Soil and Water Conservation Board (TSSWCB) began assisting poultry operations with the establishment of the Northeast Texas Regional Office in Mt. Pleasant. Since 1994, over \$300,000 of WQMP Program funding has been provided annually to six soil and water conservation districts (SWCDs) in Northeast Texas to address animal feeding operations (AFOs). Shelby SWCD began receiving state cost-share funds in FY 2005 and the Nacogdoches SWCD began receiving cost-share funds in FY 2007.

In 1995, the TSSWCB initiated three federal Clean Water Act, §319(h) projects to demonstrate composting as a means for dead bird disposal, buffer strips, and proper land application of poultry litter. In 1996, the TSSWCB expanded its efforts by initiating a composting and marketing project. This effort to promote the installation of composters and other means of mortality management on poultry farms resulted in accelerated WQMP development.

In 1997, the Texas Legislature passed Senate Bill 1910, which required all poultry farms to have a TCEQ-approved method of dead bird disposal. The law took effect in March 1998. However, the rules were not adopted and did not take effect until fall 1999. It was during this time that requests for poultry WQMPs significantly increased due to pursuit of cost-share for mandated mortality management. This activity intensified the TSSWCB's poultry initiative.

In 1999, in response to water quality concerns and the initiation of TMDL development in the Big Cypress/Lake O' the Pines watershed, the TSSWCB began using federal §319 funds for cost-share in the area in addition to the state Senate Bill 503 cost-share funds already directed to the watershed. The current implementation process of the TMDL has shown that the WQMP program has resulted in reduced nutrient loadings in the watershed. Due to rising concerns in nearby watersheds, the TSSWCB also included the Sam Rayburn and Toledo Bend Reservoir watersheds in its initiative in 1999. The TSSWCB expanded the poultry initiative again in 2001 to the Gonzales area.

In 2001, the 77th Legislature passed Senate Bill 1339, which requires all poultry facilities in Texas to operate in accordance with a WQMP certified by the TSSWCB. The review and certification process assures the plan includes appropriate practices, management measures, and schedules of implementation.

This law provided for a staggered-schedule of deadlines by which each producer, depending on their initial date of operation, must have requested the development of a WQMP from their soil and water conservation district. Any commercial poultry facility constructed after January 1, 2002 is required to have a WQMP prior to the receipt of any birds. All other commercial poultry facilities were required to have a WQMP no later than December 31, 2007.

Beginning in 2001, seven soil and water conservation district (SWCD) technicians were employed under federal Clean Water Act §319 contracts to develop WQMPs in poultry producing areas. Six of those contracts expired in 2004 and the seventh expired in 2005. An eighth §319 district technician was hired in 2003 with the Shelby SWCD and that contract expired in August 2007. Two more positions were hired by local SWCDs in FY 2007 to help with WQMP development for the Sanderson Farms expansion in the Waco area. Those contracts also expired.

The TSSWCB Nacogdoches Poultry Office was established in 2003. In 2005 two additional poultry Natural Resource Specialist FTE positions were added in Nacogdoches. In October 2007, two technicians were hired by local Soil and Water Conservation Districts, with one expiring in August 2008 and the other in August 2009. Because of expiring contracts and difficulty retaining temporary contract SWCD staff, TSSWCB submitted a 2008-2009 Legislative Appropriations Request for 4 additional FTEs to replace the expiring SWCD technician positions, so as to continue technical assistance for poultry producers in these areas. The budget request was approved by the 80th Texas Legislature and took effect September 1, 2007. The four positions are located in the four most heavily poultry populated areas of the state which are Shelby, Nacogdoches, Gonzales, and Leon Counties and they also serve the poultry producers in surrounding counties. Those 4 positions are part of the TSSWCB Poultry Program reporting to the Nacogdoches Poultry Office. Poultry Program staffing now consists of (1)

Program Supervisor, (5) Natural Resource Specialists, (2) SWCD planning technicians, and (1) Administrative Assistant to assist poultry producers primarily in 29 poultry producing counties, but are available for other counties as needed. TSSWCB Regional Office staffs also assist poultry producers in their areas across the state.

Due to changes made by the U.S. Environmental Protection Agency (EPA) to the federal regulations for concentrated animal feeding operations (CAFOs), the Texas Commission on Environmental Quality (TCEQ) adopted a rule change in 2004 that required dry-litter poultry operations larger than 125,000 broilers or pullets, 82,000 layers or breeders, or 55,000 turkeys to operate under a water quality permit. However, due to a federal court decision by the U.S. 2nd Circuit Court of Appeals in February 2005, the EPA issued a notice that the date by which a permit and a Nutrient Management Plan must be obtained was extended to July 31, 2007 and EPA then further extended the date to February 27, 2009. Also in compliance with the court decision, the EPA released additional proposed rule changes in June 2006. Under the new rule, farms that do not actually discharge wastes to waters of the U.S. are not required to apply for permit coverage, thereby eliminating the need for dry-litter operations to apply. In advance of EPA's final rule, TCEQ made a rule change in September 2006 to allow CAFO size dry-litter poultry farms an exemption to permitting if they obtain and follow a WQMP certified by TSSWCB. EPA's final rule became effective in December 2008. A supplemental guidance document is available from the TSSWCB for poultry producers that provides requirements in addition to the WQMP that are necessary to stay in compliance with the CAFO rules. Meetings were held in seven different poultry producing locations in 2008 to inform poultry producers of those additional requirements.

In 2009 the 81st Texas Legislature passed Senate Bill 1693 which prohibits TSSWCB from certifying or re-certifying a WQMP for a farm that is likely to cause a nuisance odor for neighbors within ½ of one mile of the farm unless it obtains an odor control plan.. It required TSSWCB to develop rules for determining if a nuisance odor from the facility is likely. The rules allow the farm the option to obtain consent from neighbors in lieu of the odor control plan. The law requires record keeping of litter usage by the poultry farm as well as receivers of poultry litter. It requires owners of new farms to complete an odor control prevention course from Texas A&M poultry science department.

Current Issues

Currently TCEQ is in the process of revising the Texas CAFO rules to comply with the 2008 final federal CAFO rule as well as address some issues specific to Texas.

In May 2010 researchers from Texas A&M University and Stephen F. Austin State University began a project to evaluate technologies for controlling dust and odor from poultry farms. Electrostatic Particle Ionization and BioCurtains will be installed and evaluated at a working poultry farm in Central Texas to determine if these technologies can be effectively implemented to reduce dust and odors. The project is scheduled to be complete by April 2012. This project is funded by TSSWCB and NRCS.

As of this report, there have been 6 odor control plans submitted to TCEQ for approval. Five have been approved and one returned to TSSWCB for clarification and/or revision.

Currently, the TSSWCB is aware of 1279 total dry-litter poultry farms, of which 455 (35%) are defined as Concentrated Animal Feeding Operations (CAFO). However, there is an ongoing challenge of identifying new poultry farms continually being constructed and put into production, others going out of business, farms changing bird placement numbers which can effect their AFO/CAFO status, and locating other poultry farms not yet identified.

In FY 2011, staff in the Poultry WQMP Program continues to develop, update, and review Water Quality Management Plans for poultry producers and provide assistance with all issues related to the Poultry WQMP Program. The Program Supervisor, two Natural Resource Specialists, and one Administrative Assistant staff the Nacogdoches Poultry Office. There are also three Natural Resource Specialists located in Center, Centerville, and Gonzales. In addition, two technicians continue to work for local Soil & Water Conservation Districts (SWCD) in Nacogdoches and Shelby Counties to assist the Poultry WQMP Program in the Nacogdoches area. Approximately 520 (41%) of the estimated 1279 dry-litter poultry farms in Texas are located in an eight-county area surrounding Nacogdoches. About 129 (25%) of the 520 farms in the 8-county area are large enough to be defined as Concentrated Animal Feeding Operations (CAFO), which require inspections conducted by TSSWCB staff which could result in needed revisions to their WQMP. In addition, the other existing WQMPs are reviewed regularly for needed updates and revisions. The office also assists other SWCDs in the state with poultry WQMP development and revision and complaint investigations as needed.

Coastal Coordination Council

The Texas Coastal Management Program (CMP) was created to coordinate state, local, and federal programs for the management of Texas coastal resources. The program brings federal Coastal Zone Management Act (CZMA) funds to Texas to implement projects and program activities for a wide variety of purposes. The Coastal Coordination Council (CCC) administers the CMP; the TSSWCB is a statutorily-authorized member of the CCC.

The CCC is charged with adopting uniform goals and policies to guide decision-making by all entities regulating or managing natural resource use within the Texas coastal area. The CCC reviews significant actions taken or authorized by state agencies and subdivisions that may adversely affect coastal natural resources to determine consistency with CMP goals and policies. In addition, the CCC oversees the CMP Grants Program and the Small Business and Individual Permitting Assistance Program.

The Coastal Zone Act Reauthorization Amendments (CZARA), §6217, requires each State with an approved coastal zone management program (CMP) to develop a federally approvable program to control coastal NPS pollution. The CCC appointed a Coastal NPS Pollution Control Program workgroup to develop this document. The National Oceanic and Atmospheric Administration (NOAA) and the EPA jointly administer the program at the federal level. In Texas, the TSSWCB and the TCEQ hold primary responsibility for the program's development and implementation.

Section 6217 calls for implementation of management measures (§6217(g)) that will control significant nonpoint sources of pollution to coastal waters. Six source categories are addressed by these measures: agriculture, forestry, urban and developing areas, marinas, wetland/riparian areas, and hydromodification. States can use voluntary approaches combined with existing state authorities to achieve implementation of management measures. However, if the voluntary mechanisms are not effective, states must have backup enforcement authorities in place to ensure that management measures are implemented.

Texas submitted the Texas Coastal NPS Pollution Control Program to EPA and NOAA in December 1998. In July 2003, NOAA and EPA issued conditional approval of the Texas Coastal NPS Program. The agricultural and silvicultural portions of the program were approved without conditions. Texas has five years to meet the five remaining conditions to gain full approval of the program. The NPS Work Group developed a list of potential options to address the remaining conditions and submitted it to NOAA and EPA in July, 2008 for approval. In May, 2009 EPA and NOAA requested further information from Texas before lifting the conditions on its approval. Texas is in the process of addressing this request.

The TSSWCB is responsible for implementing the agricultural and silvicultural management measures of the program. Mechanisms the TSSWCB uses to abate agricultural and silvicultural NPS pollution in the coastal zone include: the agency's Water Quality Management Plan Program, the CWA §319(h) NPS Grant Program, the Total Maximum Daily Load Program, and the Watershed Protection Plan Program.

Fifteen SWCDs are located in the Coastal Management Zone and work with landowners to implement WQMPs. For over ten years, more than \$300,000 in state appropriations has been spent annually in the coastal zone to provide financial assistance through SWCDs to implement about 2196 WQMPs on agricultural land.

In addition, many of the WPPs and TMDLs that the TSSWCB is engaged in are in the coastal zone. WPPs being developed or implemented in the Coastal Zone include Arroyo Colorado, Bastrop Bayou, Armand Bayou, Dickinson Bayou and San Bernard River, Cedar Bayou, and Lower Nueces River. TMDLs being developed or implemented in the Coastal Zone include Adams and Cow Bayous, Copano Bay and Aransas and Mission Rivers, Dickinson Bayou, and Oso Bay and Creek.

Implementation of the silvicultural management measures in the coastal zone is through a CWA §319 grant to the Texas Forest Service.

The CCC is undergoing Sunset Review this year. The Sunset Commission met on May 26, 2010 to make its decision regarding the recommendations of the Sunset staff on the CCC. Rather than continue the Council in its current form, the Sunset Commission recommended that an advisory committee would be formed by rule and the Council's function and authority would be transferred to the GLO. The committee would be made up of representatives from the current agencies on the Council, and four public members appointed by the Commissioner.

For more information on the Texas Coastal Nonpoint Source Pollution Control Program, visit our website at <http://www.tsswcb.state.tx.us/coastalnps>.

Texas Groundwater Protection Committee

Established by the Texas Legislature in 1989, the Texas Groundwater Protection Committee (TGPC) bridges the gap between State groundwater programs, improves coordination between member agencies and works to protect groundwater as a vital resource; the TSSWCB is a statutorily-authorized member of the TGPC.

The Texas Water Code sets non-degradation of the State's groundwater resources as the goal for all State programs and asserts that groundwater be kept reasonably free of contaminants that interfere with its present and potential uses. The TGPC implements the State's groundwater protection policy which:

- Requires that pollution discharges, waste disposal and other regulated activities not harm public health or impair current or potential groundwater use;
- Recognizes the variability between aquifers;
- Acknowledges the importance of water quality;
- Balances the protection of the environment and the long-term economic health of the state; and,
- Recognizes the use of the best professional judgment of the responsible state agencies to implement the policy.

The Texas Groundwater Protection Committee:

- Reports on its activities and recommends new protection programs to the Legislature.
- Publishes numerous reports.
- Advises the TCEQ on the development of agricultural chemical plans for groundwater.
- Develops, implements and updates a comprehensive Texas Groundwater Protection Strategy and an annual Joint Groundwater Monitoring and Contamination Report.

Mechanisms the TSSWCB implements in order to prevent and abate agricultural and silvicultural NPS pollution impacting groundwater include the agency's Water Quality Management Plan Program, CWA §319(h) NPS Grant Program, State General Revenue NPS Grant Program, Total Maximum Daily Load Program, and Watershed Protection Plan Program. These programs are described in detail in other sections of this Report. High priority aquifers where TSSWCB has historically committed agency resources include the Seymour Aquifer and the Ogallala Aquifer.

More information on the TGPC is available at <http://www.tgpc.state.tx.us/>.

Watershed Approach to Water Quality Planning and Implementation

Protecting the State's rivers, streams, lakes, bays, and aquifers from the impacts of NPS pollution is a complex process. Texas uses a Watershed Approach to focus efforts on the highest priority

water quality issues of both surface and ground water. The Watershed Approach is based on the following principles:

- Geographic focus based on hydrology rather than political boundaries;
- Water quality objectives based on scientific data;
- Coordinated priorities and integrated solutions; and,
- Diverse, well-integrated partnerships.

For groundwater management, the geographic focus is on aquifers rather than watersheds. Otherwise, the approach is the same. Wherever interactions between surface and ground water are identified, management activities will support the quality of both resources.

The TSSWCB applies the Watershed Approach to managing NPS pollution by channeling its efforts to restore water quality through WPP and TMDL development and implementation. Specific watersheds where TSSWCB believes agricultural and/or silvicultural NPS pollution may be contributing to a water quality impairment or concern to an extent which is sufficient to justify expenditure of agency resources are listed below and shown on the map (Figure #3). Specific information on each watershed, including waterbody name and segment number, overall water quality condition, pollutants of concern, specific mechanism (TMDL, I-Plan, WPP, UAA) being utilized to restore water quality with lead agency indicated, and links to relevant activities associated with restoration of the waterbody, is available at <http://www.tsswcb.state.tx.us/watersheds>.

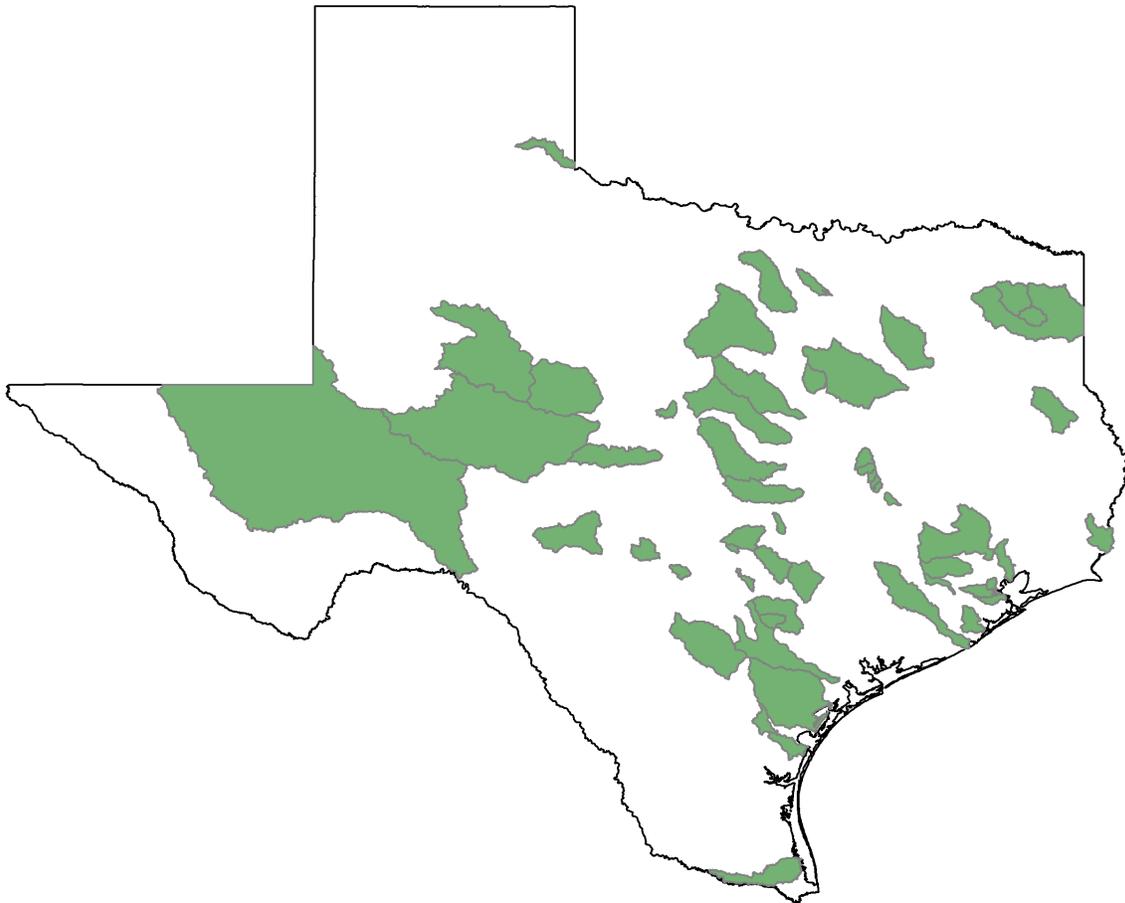


Figure 3 – Map of watersheds (49) where TSSWCB is engaged in water quality planning and implementation.

- | | | |
|--|---|--|
| Adams & Cow Bayous | Concho River | Lake & below Proctor Lake |
| Aquilla Reservoir | Copano Bay & Mission & Aransas Rivers | Little Brazos River Tributaries |
| Armand Bayou | Cypress Creek | Nueces River below Lake Corpus Christi |
| Arroyo Colorado | Dickinson Bayou | Onion Creek |
| Atascosa River | Eagle Mountain Reservoir | Oso Bay & Creek |
| Attoyac Bayou | Elm & Sandies Creeks | Peach Creek |
| Bastrop Bayou | Geronimo Creek | Pecan Bayou, Mid |
| Big Cypress Creek | Gilleland Creek | Pecos River |
| North Bosque River | Lake Granbury | Plum Creek |
| Brady Creek | Lake Granger | Richland-Chambers Reservoir |
| Buck Creek | Guadalupe River above Canyon Lake | Lower San Antonio River |
| Buffalo & Whiteoak Bayous | Hickory Creek | San Bernard River |
| Caddo Lake | Lake Houston | South Llano River |
| Carters & Burton Creeks | Lake O' the Pines | E.V. Spence Reservoir |
| Cedar Creek Reservoir | Lampasas River above Stillhouse Hollow Lake | Upper Oyster Creek |
| Upper Cibolo Creek | Leon River above Belton | |
| Clear Creek | | |
| Colorado River below E.V. Spence Reservoir | | |

This list of “priority” watersheds (49) is frequently updated by the TSSWCB.

Statewide Bacterial Water Quality Impairment Reduction Initiative

According to the *2008 Texas Water Quality Inventory and 303(d) List*, two hundred ninety-five (295) waterbodies are impaired because they do not meet surface water quality standards for bacteria established to protect contact recreation use (in freshwater or saltwater) and/or oyster water use. The magnitude of bacteria impairments in Texas is evident when compared to all other types of water quality impairments. These bacteria impairments represent over 48% of all impairments on the *303(d) List*.

As the lead agency in Texas responsible for the prevention, abatement, and management of NPS pollution from agricultural and/or silvicultural activities, the TSSWCB plays a critical role in addressing water quality impairments for bacteria. Many of these impairments have been attributed, at least in part, to grazing livestock (e.g., cattle, horses, sheep, goats) or animal feeding operations (such as a dairy or poultry operation) or feral hogs (an invasive species).

In order to address these bacteria impairments, TSSWCB has continued to strengthen partnerships with industry commodity organizations including the Texas Farm Bureau, the Texas and Southwestern Cattle Raisers Association, the Independent Cattlemen's Association of Texas, the Texas Poultry Federation, the Texas Association of Dairymen and the Texas Pork Producers Association. Voluntary participation by the members of these organizations in TSSWCB programs, such as the Water Quality Management Plan Program, is crucial to ameliorating any potential contributions of livestock to bacteria impairments.

Working with the USDA Natural Resources Conservation Service (NRCS) and the State Technical Advisory Committee, an Environmental Quality Incentives Program (EQIP) Statewide Resource Concern for Water Quality in South Central Texas was established in FY2006, and continues to provide livestock producers in the Peach Creek, Elm and Sandies Creeks, Atascosa River and Lower San Antonio River watersheds financial assistance in implementing BMPs to prevent and abate NPS pollution from their operations which may be contributing to the bacterial water quality impairment in those watersheds. This financial assistance is leveraged with technical assistance provided by the local SWCDs through CWA §319(h) NPS Grants from TSSWCB.

The magnitude of water quality impairments from excessive bacteria in Texas has resulted in a marked increase in the number of bacteria-related education, assessment, demonstration, and implementation projects initiated and directed by the TSSWCB. Most of these projects are funded through the agency's CWA §319(h) NPS Grant Program, but the agency has utilized other funding mechanisms such as the TSSWCB State General Revenue NPS Grant Program and the USDA NRCS Grassland Reserve Program. More than two dozen projects are currently focused on the abatement of bacterial NPS pollution.

Feral hogs have been identified as significant contributors of pollutants to waterbodies. As feral hogs congregate around water sources to drink and wallow, this concentration of high numbers in small riparian areas poses a threat to water quality. Fecal matter deposited directly in streams by feral hogs contributes bacteria, polluting the State's waterbodies. Stakeholders in watersheds across the state have recommended that efforts to control feral hogs be undertaken to reduce the population, limit the spread of these animals, and minimize their effects on water quality and the surrounding environment.

On March 24, 2010, TSSWCB staff participated in a House Committee on Agriculture and Livestock hearing on interim Committee charges in Austin. Also, on April 19, 2010, TSSWCB staff participated in a Senate Committee on Agriculture and Rural Affairs hearing on interim Committee charges in Austin. Specifically, these Committees met to review efforts across the state to manage feral hog populations and mitigate damage to agricultural and livestock operations.

TSSWCB staff highlighted the agency's efforts to abate feral hog populations in the Plum Creek watershed. To support the implementation of the Plum Creek WPP, TSSWCB has provided CWA §319(h) grants to the Texas AgriLife Extension Service to 1) provide technical assistance to landowners in managing feral hogs on their properties, 2) host feral hog management workshops across the watershed, 3) develop and publish resource materials, brochures, and publications on the different control techniques landowners can utilize, and 4) develop and promote the use of an online reporting tool to track feral hog sightings and quantify damage caused by feral hogs in order to better target abatement activities.

For more information on the TSSWCB Statewide Bacterial Water Quality Impairment Reduction Initiative, visit our website at

<http://www.tsswcb.state.tx.us/managementprogram/initiatives/bacteria>.

INFORMATION TECHNOLOGY

T0CA Upgrade Work To Provide Enhanced Data Availability

Staff continued work on important upgrades to T0CA, the agency's internal, web-based system for tracking and reporting water quality management plan program data.

Planned enhancements this work is set to provide include new areas of data recording and reporting capabilities requested by management. Development is being undertaken to provide a user-friendly, stable and secure addition to T0CA, which has been running in production at the agency over the last four years.

The TSSWCB released two significant updates to T0CA during the last six months to add several capabilities requested by agency staff and add other enhancements.

As with the original system, the additions to T0CA are being made using open source software components, at zero cost to the agency for software purchases, licensing or maintenance. The application is written by IT staff, resulting in no costs that would otherwise be associated with hiring developers outside the agency.

Windows 7 Integration

Work also began on preparing agency networks for Windows 7 PC deployments. Significant challenges to the use of Microsoft's latest PC operating system include compatibility testing with agency network systems, application compatibility, and training of IT staff and the agency user base.

The TSSWCB made the decision, along with many organizations, not to run Microsoft's previous operating system, Vista, on its PCs and instead opted to stay with the venerable Windows XP operating system.

With the challenges, though, IT staff recognizes that Windows 7 will bring some welcome modernization that will include features and security improvements that should benefit agency users and the services they provide.

WLAN Security Upgrades

Increases in IT network security often bring with them increased inconvenience for end-users. In spite of this well-known axiom, the TSSWCB began work on upgrading the security of its internal wireless networks with the goal of actually making network use more convenient for its users.

This work will end a requirement for some users to use a VPN to connect to sensitive network infrastructure, which should improve user experience and also slightly improve network performance due to decreased connection overhead. Additionally, a reduction in Help Desk calls is expected.

The upgrade involves mostly reconfiguring existing network gear, which keeps costs low. Wireless print servers are being upgraded, but the cost of this equipment is small compared to the benefits this work should bring.

The agency is leveraging a popular open source RADIUS server to securely manage its network access. This software results in no cost to the agency for licenses, with support being provided by agency staff.

PC Hardware Upgrades

The second half of 2010 also saw a continuation of the work to replace the oldest and most problematic agency desktop PCs with more capable and reliable units. This work was part of a continuous process that aims to lessen the risk of unacceptable levels of downtime that could occur following PC hardware failures.

Each of the machines replaced was at or, in most cases, significantly beyond the PC life cycle recommendations from the Texas Department of Information Resources (DIR). All purchases were made in accordance with DIR guidelines through a DIR-approved vendor.

PUBLIC INFORMATION/EDUCATION REPORT

General Overview

The purpose of the public information/education program is to provide leadership and coordination of information/education programs relating to the agency and district programs, services, operations and resources. The TSSWCB prepares and disseminates public information relative to the agency and district functions, programs, events and accomplishments for the public and to farmers and ranchers. TSSWCB staff coordinates seminars, conferences, workshops, displays at trade shows and training for district directors and district bookkeepers, conservation professionals, youth groups and other entities. Staff provides guidance to districts with their own individual information/education programs as well as regional and state information/education programs initiated by districts. Staff prepares and disseminates press releases, news stories and printed promotional products. The TSSWCB monitors the use of the publications and use of information. Staff represents the agency as needed with various information/education groups and entities. The TSSWCB has a cooperative agreement with the Association of Texas Soil and Water Conservation Districts to provide assistance and help coordinate district involvement and participation with Association's Information/Education Committee and its programs.

District Program Development Workshop

A district program development workshop was held June 29-30, 2010 to provide training specifically for newly elected soil and water conservation district directors, although all district directors and district employees are encouraged to attend the training. In addition, a cooperative effort with the USDA Natural Resources Conservation Service (NRCS) permits a limited number of new NRCS district conservationists to attend the training.

Key topics addressed in the training include:

- the history, powers and duties of the Texas State Soil and Water Conservation Board (TSSWCB),
- the interaction but different authorities of the local soil and water conservation district (SWCD), TSSWCB and the USDA-NRCS,
- the qualifications, terms and duties of SWCD directors,
- the general powers and duties of SWCDs
- the proper method of conducting a local SWCD meeting,
- an overview of current Texas State Soil and Water Conservation Board program responsibilities
- ethics training for SWCD directors
- equal employment opportunity training for SWCD directors
- fiscal operations and responsibilities of SWCDs
- the working relationships between other state and national conservation organizations.

2010 Summer Teacher Workshops

Several teacher workshops are held each summer by soil and water conservation districts in cooperation with the TSSWCB on conservation and natural resources issues. The Texas Environmental Education Advisory Committee to the Texas Education Agency approves the content of these workshops, sponsored by the TSSWCB. As an approved Environmental Education Professional Development Provider, teachers are able to get 16 credit hours toward their required continuing education units (CEUs) for recertification while experiencing nature and the outdoors.

Pedernales SWCD hosted a Teachers Workshop in Blanco, Texas at the Franklin Family Ranch on June 15-17, 2010. Topics covered were soils, the water cycle, plants in the Texas Hill Country, prescribed burning, and wildlife biology.

2011 Texas Conservation Awards Program

Each year, the TSSWCB and the Association of Texas Soil and Water Conservation Districts co-sponsor the Texas Conservation Awards Program to recognize and honor those who dedicate themselves and their talents to the conservation and wise use of renewable natural resources. The 2010 Awards Program marks the 32nd year of this joint program.

Local districts select their outstanding individuals as winners and submit them by mid-February each year for regional judging. Those selected as regional winners are honored each May at regional Awards Banquets. From these regional winners, a state winner is selected for the Outstanding Conservation Districts, Outstanding Conservation Teacher, Poster Contest, and the Essay Contest. These individuals are invited to the Annual State Meeting for recognition.

The conservation awards program provides competition and incentives to expand and improve conservation efforts, resource development, and increase the wise utilization of renewable natural resources. As a result, soil and water conservation districts, and both rural and urban citizens of Texas are benefited.

Soil and water conservation districts may enter their local recognition honorees in any of 10 categories (East Texas has an additional category of Forestry Conservationist), depending on appropriateness to the category description. For the youth of the district, there is also a poster and essay contest. The categories and a brief description of each are:

Outstanding Conservation District

Awarded to the winning soil and water conservation district in each area for the most outstanding program during the past fiscal year.

Resident Conservation Rancher

Awarded to the outstanding resident conservation rancher in each area. They must be a resident of the district, perform ranching activities within the district and be a cooperator with the district from which the entry was submitted. The rancher may have other business or professional interests.

Resident Conservation Farmer

Awarded to the outstanding resident conservation farmer in each area. They must be a resident of the district, perform farming activities within the district, and be a cooperator with the district from which the entry was submitted. The farmer may have other business or professional interests.

Absentee Conservation Farmer/Rancher

Awarded to the outstanding absentee conservation farmer or rancher in each area. They must reside outside the district, but operate farming or ranching activities within the district and be a cooperator with the district from which the entry was submitted. The person may have other business or professional interests.

Water Quality Management Plan

Awarded to the outstanding Water Quality Management Plan recipient in each area. They must be a district cooperator who has a district approved Water Quality Management Plan and has incorporated water quality into their farming or ranching activities and soil and water conservation work.

Essay Contest –Two Categories (13 and under and 14 to 18 years of age)

Essays (topic: “Why Soil and Water Conservation is Important to My Future”) are to be submitted to local SWCDs for local judging. Each local district will judge the entries and submit three essays to the TSSWCB for competition on the area level. Plaques will be awarded to 1st, 2nd and 3rd place winners on the area level and state winners will be selected from the area winners. This contest is open to students, in two categories, one for those ages 13 and under, and the other category for those ages 14 to 18 years of age and does not jeopardize Texas University Interscholastic League eligibility.

Poster Contest

Posters should address one of the following subjects: “Forests for People—More Than You Can Imagine” or “Conservation Habits = Healthy Habitats”. Posters shall be submitted to local SWCDs for local judging. Each local district will judge the entries and submit three posters to the TSSWCB for competition on the area level. Plaques will be awarded to the 1st, 2nd and 3rd place winners on the area level and state winners will be selected from the area winners. This contest is open to students, 12 years and under, and does not jeopardize Texas University Interscholastic League eligibility.

Business/Professional Individual

Awarded to the outstanding man or woman in the business community who has rendered the most unselfish conservation service in each area. Representatives of the news media (radio, television, newspaper, magazines, etc) who contribute to or provide support for conservation shall also be considered eligible for this award. (This award is not for individual conservation practices or individuals who, because of employment, assist with or augment the work of the soil and water conservation district.)

Conservation Teacher

Awarded to the outstanding teacher of conservation in schools in each area. Teachers of all grade levels are eligible for this award.

Wildlife Conservationist

Awarded to the outstanding wildlife conservationist in each area. They must be a district cooperator who has incorporated wildlife conservation into their farming and ranching activities.

Conservation Homemaker

Awarded to the outstanding conservation homemaker in each area. The homemaker and or family must own or operate a farm or ranch, be a district cooperator and have knowledge of the conservation programs being implemented.

Conservation District Employee

Awarded to the outstanding soil and water conservation district employee who exhibits a degree of knowledge, skill, ability, and leadership that clearly results in superior job performance far above the basic requirements of the position.

Forestry Conservationist (Area IV only)

Awarded to the outstanding forestry conservationist for the most outstanding farm forestry conservation program in the commercial forest areas of Texas. They must be a district cooperator or an individual who has implemented conservation practices on their land and has done missionary work for conservation and the district program.

Soil & Water Stewardship Public Speaking Contest

The Soil & Water Stewardship Public Speaking Contest is open to high school FFA students interested in soil, water and related renewable natural resource conservation. The contest is aimed at broadening students' interest and knowledge of conservation and how individuals must depend on and take care of the world around them for survival. The contest is coordinated through the Texas FFA, with contests at the local, area and state level. Local winners compete in the 10 state FFA areas and the first and second place winners at the area level compete for the state title. The theme of the 2011 contest is "Forests for People—More than You Can Imagine".

To prepare for the contest, students were to consult with their Agriculture Science teacher and work with their local soil and water conservation district. Students are encouraged to visit with their local SWCD to find out more about conservation practices in their area.

This project is a partnership between the Texas FFA, the Vocational Agriculture Teacher's Association of Texas, TSSWCB, and the Association of Texas Soil and Water Conservation Districts. The State Winner of the Soil and Water Stewardship Public Speaking Contest is invited to attend the Texas State Soil and Water Conservation Board's Annual State Meeting each year and asked to deliver their winning address.

Wildlife Alliance For Youth

The Wildlife Alliance for Youth (WAY) contests offer opportunities at the local district level for 4-H and FFA students to demonstrate their knowledge of the outdoors on wildlife habitat and management, wildlife laws, sportsmanship and other factual information on wildlife. The program offers awards to the high scoring FFA chapter in each of the five state regions and awards to the first, second and third place high scoring teams at the state event. It is a powerful tool for students to become involved in conservation and obtain an appreciation for wildlife.

Agriculture Science students, who compete in the WAY Contest, first acquire the foundational knowledge and skills for this event through the Agscience 381 - Wildlife and Recreation Curriculum. The WAY contests address the following nine subject areas in Wildlife and Recreation Management: Wildlife Plant Identification; Wildlife Plant Preferences; Wildlife Biological Facts; Wildlife Habitat; Habitat Management; Game Laws; Hunter and Boater Safety; Compass and Pacing; and Identification Techniques. FFA and 4-H youth should have an understanding of these subject areas before they compete.

The WAY contests are held in the five Texas State Soil and Water Conservation Board areas. Area IV (East Texas) holds their contest in the fall. Area V (North Central), Area I (Panhandle), Area II (West Texas) and Area III (South Texas) all hold their contests in the spring. Each team is certified to the area level by their local SWCD. The WAY State Contest is held each year in one of the geographical areas of the state. Approximately 2,000 youth participate in the regional contests and statewide contest competition.

The TSSWCB, Association of Texas Soil and Water Conservation Districts, USDA- NRCS, Texas Parks and Wildlife Department, Texas AgriLife Extension service, and the Texas Education Agency, along with local SWCDs all partner in the success of the youth organization.

State Woodland Clinic and Contest

The Texas State Woodland Clinic and Contest is held annually in the month of April. It is a joint effort between local soil and water conservation districts, Stephen F. Austin University School of Forestry and the USDA-NRCS.

The contest is an opportunity for 4-H and FFA youth to demonstrate their expertise in different aspects of forestry management and skills in identification of needed practices and management techniques. Competition is between teams composed of four members representing either a 4-H Club or a FFA Chapter. Prior to the state contest several local districts conduct contests for 4-H Clubs and FFA Chapters within their district and the surrounding area.

The contest began in the late 1950s and was initiated by local SWCDs and timber industry personnel to develop forestry and woodland curriculum in schools in the commercial timber area of the state (East Texas Piney Woods). The clinic and contest have experienced widespread popularity and now has participation from outside of the commercial timber area on a regular basis. The state participation level for teams averages around 55 teams per year, with the vast majority of teams being composed of FFA Chapters. Winners at the state level are eligible to participate in the four states regional woodland contest held each May in one of four states. Texas, Louisiana, Arkansas and Oklahoma host the regional contest on a rotational basis.

Regional Woodland Contest

The four states regional woodland contest is sponsored by soil and water conservation districts in each of the four states with program and technical support provided by USDA-NRCS and Resource Conservation and Development (RC&D), state organizations and industry personnel. The SWCDs in Texas hosted the first four states or southern regional woodland contest in 1984.

Each state is allowed to send a maximum of six teams to the regional contest. Each state has a competition that determines the six teams from that state that may enter in the regional contest. Those teams may be composed of individuals representing either a 4-H Club or an FFA Chapter.

Conservation Education Video Library

The Association of Texas Soil and Water Conservation Districts has established and updated a conservation related video library that is maintained by TSSWCB staff on their behalf for the benefit of local SWCDs and educators. Currently, there over 200 conservation-related videos in the library that are available to districts and teachers which includes 19 new titles in DVD format. The Association of Texas Soil and Water Conservation Districts' Public Information/Education Committee pays the first transit postage costs to mail the video(s) to the requester. Postage for returning is the responsibility of the borrower and all videos must be insured upon return. Borrowing privileges are for a length of two weeks and must be returned upon date specified by the librarian. Videos can be ordered through your local soil and water conservation district or by contacting the TSSWCB. From July to December, there have been 22 videos of various titles loaned out to SWCDs and teachers across the state.

Nonpoint Source (NPS) Pollution Watershed Flow Model

The NPS model is a hands-on representation of a landscape that allows students to understand how water sources can become polluted from nonpoint sources. The plastic landscape structure has industrial, undeveloped, agricultural, and residential and roadway features complete with individual houses, trees, cars, tractors and cows. When "rain" falls on the model, the runoff flows into a city lake. Using various products to add color to the water, the model demonstrates how potential pollutants are picked up by runoff.

The model is a layout of a watershed that includes all the factors that may contribute to polluting our water. (Urban features such as: factories, parking lots, construction sites, lawn chemicals and golf courses and Rural features such as: forested land, dairies, feedlots, cropland and pastureland). To demonstrate how each type of potential pollutant can enter a water body Kool-Aid and cocoa are used to color "runoff". Grape Kool-Aid is used to represent pollution from factories and oil from parking lots and roads. Orange Kool-aid represents pollution from lawn chemicals, golf courses, and cropland and pastureland chemicals. Cocoa is used to represent pollution from construction sites, forested land, dairies and feedlots. The Kool-aid and Cocoa are sprinkled on the model in the areas that represent each type of pollutant. Once all the pollutants are sprinkled on the model a spray bottle with water is use to represent rainfall. As the pollutants get wet and start to runoff the students can see how the water carries them to the streams and into the lake where we get our drinking water. Once all the pollutants have run into the lake the students can see how these factors have the potential to make surface waters unattractive and unsafe. This demonstration leads to a discussion about how to protect the water quality and prevent our water from looking like the model.

INVASIVE SPECIES

The 81st Legislature passed H.B. 865 creating the Texas Invasive Species Coordinating Committee consisting of representatives of: the Department of Agriculture; the Parks and Wildlife Department; the State Soil and Water Conservation Board; the Texas AgriLife Extension Service; the Texas Forest Service; and the Texas Water Development Board.

The Invasive Species Coordinating Committee is administratively attached to the State Soil and Water Conservation Board and is charged with serving as a catalyst for cooperation between state agencies in the area of invasive species control and to facilitate governmental efforts, including efforts of local governments and special districts, to prevent and manage invasive species. The member agencies of the coordinating committee held their first organizational meeting in November 2009. The committee met on July 16, 2010, September 24, 2010 and will meet again on January 10, 2011.

WATER SUPPLY ENHANCEMENT PROGRAM STATUS REPORT

BACKGROUND:

The 81st Legislature continued funding for the Water Supply Enhancement Program by providing \$4,503,641.00 in General Revenue Funds in FY11. These funds were directed to be used for continuation of brush control projects designated by the Soil and Water Conservation Board. Since the beginning of the Water Supply Enhancement program in 1999 there has been over 741,000 acres of brush treated in various watersheds throughout the State.

Provided the following SWCDs with Water Supply Enhancement Program Updates, Water Supply Enhancement Program Certification, and /or Contracts

Area 1 District

Donley County SWCD

Area 2 Districts

Middle Concho SWCD

Tom Green County SWCD

Gillespie County SWCD

Kendall SWCD

Eldorado-Divide SWCD

Pedernales SWCD

Kerr County SWCD

Bandera County SWCD

Area 3 Districts

McMullen County SWCD

Caldwell/ Travis SWCD

Webb County SWCD

LaSalle County SWCD

Comal/Guadalupe SWCD

Frio SWCD

Area 5 Districts

Archer County SWCD

Lower Clear Fork/Brazos SWCD

Pecan Bayou SWCD

Bosque SWCD

Little Wichita SWCD

Currently the Water Supply Enhancement Program is administrating 17 projects throughout the State. Listed below are the projects in their respective areas and the projects contact person.

- Canadian River Project- Rod Goodwin Canadian River Municipal Water Authority
- Twin Buttes- Tuffy Wood
- O.C. Fisher reservoir Project- Tuffy Wood
- Lake Ivie (Main Concho)- Johnny Oswald
- Pedernales Project- Melissa Grote
- Guadalupe River Project- Melissa Grote
- Edwards Aquifer Project (Bandera County)-Melissa Grote
- Fort Phantom Hill- Cody York
- Nueces River Project- Adrian Perez
- Frio River Watershed – Adrian Perez
- Lower Guadalupe River – Kendria Ray
- Carrizo-Wilcox Aquifer- Kendria Ray
- Palo Pinto- Cody York
- Bosque Project- Cody York
- Little Wichita River (Archer and Clay Counties)- Cody York
- Lake Brownwood Project- Cody York

Evaluating Watersheds are based on the following criteria as per Chapter 203.053:

In ranking areas under the plan, the board shall consider:

- (1) the location of various brush infestations;
 - (2) the type and severity of brush infestations;
 - (3) the various management methods that may be used to control brush;
 - (4) the amount of water produced by a project and the severity of water shortage in the project area;
- and

Any other criteria that the board considers relevant to assure that the brush control program can be most effectively, efficiently, and economically implemented

Staff Activities

- Evaluate all current projects
- Assisted landowners in Twin Buttes, Pedernales, Pecan Bayou, Lake Arrowhead, Lake Kickapoo, Bosque, Guadalupe River and Edwards Aquifer with Brush Certifications
- Assisted landowners in Twin Buttes, Pedernales, Pecan Bayou, Lake Arrowhead, Lake Kickapoo, Bosque Guadalupe River and Edwards Aquifer with Brush Contracts
- Assisted Gonzales County SWCD with Water Enhancement Project on the Carrizo Wilcox Aquifer
- Assist Texas Sunset Advisory Commission on Water Enhancement Program
- Assisted UCRA with the Twin Buttes lake basin project
- Exit conference with Texas Sunset Advisory Commission
- Prepare formal responses to the Texas Sunset Advisory Commission
- Assist Lower Guadalupe River project with contracts
- Assist the Texas Comptroller's office with economic analysis of the Water Supply Enhancement Projects
- Spoke at the GMA 7 Water Conference
- Amend 31 TAC, Chapter 517 Subchapter B, 517.33 Contracts for Cost Share
- Held Work Group meetings in Pedernales, Guadalupe, Bosque, Wichita River, Carrizo-Wilcox, Lake Brownwood, Edwards Aquifer and Lower Guadalupe
- Attend TSSWCB Annual State Meeting in Lubbock
- Met with Dr. Rainwater and Associates to discuss monitoring and training for SWCD District employees on GIS work
- Discussed project application with Tom Green SWCD, Eldorado Divide SWCD, and Middle Concho SWCD, Pedernales SWCD, Gillespie SWCD, Kendall SWCD, Comal- Guadalupe SWCD, Bandera SWCD, and Kerr SWCD.
- Gave tour of research site at Honey Creek Natural Area for 21 Forest Service people
- Attend field day in Brownwood and Llano for Representative Mike Conaway.
- Presentation to Water Oriented Recreational District of Comal County
- Presentation to UGRA to discuss future modeling needs for the Guadalupe Project
- Met with USGS to discuss future modeling needs for the Guadalupe
- Presentation to GBRA to discuss future modeling needs for the Guadalupe Project
- Work with the Association to organize tour of Peacock ranch
- Work a booth at Texas Forest Service Conservation Expo to educate landowners about Brush Program and TSSWCB.
- Developed New Project Application.
- Conduct Tour of Honey Creek Natural Area Research site for Kerr, Kendall, Comal-Guadalupe, Pedernales, Gillespie SWCD directors.

- Attend monthly board meetings for Kerr, Kendall, Comal-Guadalupe, Pedernales, and Gillespie SWCDs.
- Initiated public information campaign to inform potential applicants about projects in the Pedernales, Upper Guadalupe, and Edwards projects.

WATER YIELDED FROM BRUSH CONTROL

Water yield expectations originate from brush control feasibility studies and academic research from a variety of sources.

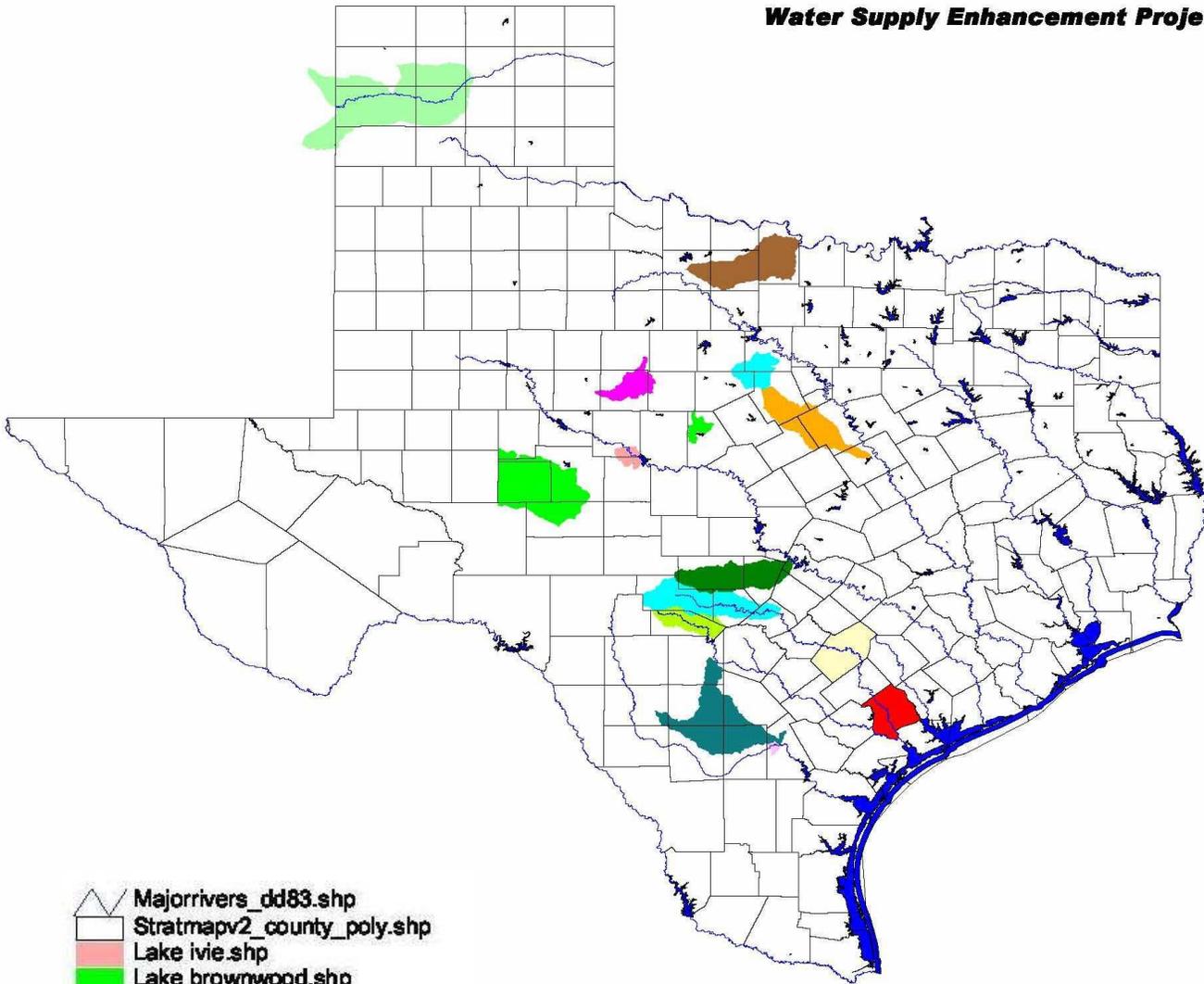
State Cost-Share Grants 2000 – 2010-----\$33,771,142

Landowner Contributions 2000 – 2010-----*In Excess of* \$14,000,000

Watershed Project	State Cost Per Treated Acre	Treated Acres	Gallons/Acre/Year	Gallons/Year Based on Treated Acres	Total Water Yield for Life of the Project¹
Lake Ballinger completed	\$45.00	7,799.70	55,354	431,744,593.80	4,317,445,938
Oak Creek Lake completed	\$47.00	16,224	47,225	766,178,400.00	7,661,784,000
Lake Champion completed	\$43.00	14,993.50	31,535	472,820,022.50	4,728,200,225
Mountain Creek completed	\$49.00	1,440	46,389	66,800,160.00	668,001,600
Greenbelt Reservoir completed	\$87.50	571	977,553	558,182,763.00	2,232,731,052
Hubbard Creek completed	\$ 58.75	506	977,553	494,641,818.00	1,978,567,272
Pecos/Upper Colorado completed	\$ 70.78	10,580.12	1,450,037	15,341,564,935.43	61,366,259,742
North Concho River completed	\$45.50	327,000	26,068.08	8,524,262,160.00	85,242,621,600
Lake Brownwood	\$146.34	1004.8	95,696.25	96,155,592	961,555,920
Bosque River	\$162.50	752	26,068.08	19,603,196.16	196,031,961.6
Wichita River	\$20.92	24,273.8	162,035	3,933,205,183	39,332,051,830
Nueces River	\$27.65	10,167.52	73,056	742,798,341.12	7,427,983,411.2
Frio River	\$24.22	7,111	73,056	519,501,216	5,195,012,160
Canadian River	\$92.49	16,850	817,651	13,777,419,350.00	55,109,677,400
Pedernales River	\$72.00	70,760	217,790	15,410,820,408	154,108,204,000
Upper Guadalupe	\$123.71	2,539.75	217,790	553,132,152.5	5,531,321,525
Edwards Aquifer	\$155.75	896	217,790	195,139,840	1,951,398,400
Twin Buttes	\$68.03	226,844.2	25,028	5,677,456,637.6	56,774,566,376
Lake Ivie	\$0.00	0	0	0	0
Fort Phantom Hill Reservoir	\$0.00	0	0	0	0
Palo Pinto Reservoir	\$0.00	0	0	0	0
Carrizo- Wilcox Aquifer	\$262.47	102.9			
O.C. Fisher Reservoir	\$104.98	1300	26,068.08	33,888,504	338,885,040
Lower Guadalupe	\$101.50	197	217,790	42,904,630	429,046,300
TOTAL		739,561.39 ac.		67,581,426,769.11 67.5 Billion Gallons	494,783,414,413 494 Billion Gallons

The total water yield is based on the watershed projects having a lifespan of 4 or 10 years depending on the type of brush treated.

Water Supply Enhancement Projects



-  Majorrivers_dd83.shp
-  Stratmapv2_county_poly.shp
-  Lake ivie.shp
-  Lake brownwood.shp
-  Canadian.shp
-  Twin buttes.shp
-  South concho.shp
-  Pedernales.shp
-  Guadalupe.shp
-  Ft.shp
-  Edwards.shp
-  Nueces1.shp
-  Victoria.shp
-  Lower guadalupe1.shp
-  Frio.shp
-  Little wichita river.shp
-  Palo pinto.shp
-  Bosque.shp
-  Swqm_2008_segment_poly.shp



Attachments

BUDGET BY STRATEGY

Strategy - Summary

25% Fiscal Year Remaining

Summary		BUD 2011	EXP 1ST QTR	BAL 2011	
	Appropriation Original Budget	\$22,548,485.00	\$0.00	\$22,548,485.00	
	Appropriation Transfers Out	\$0.00	-\$245,396.00	-\$245,396.00	
	Appropriation Transfers In	\$0.00	\$919,496.78	\$919,496.78	
	Cash Revenues	\$0.00	\$572,056.33	\$572,056.33	
	Cash Expenditures	\$0.00	-\$2,935,401.31	-\$2,935,401.31	
	Appropriation Cash Available	\$22,548,485.00	-\$1,689,244.20	\$20,859,240.80	
<hr/>					
Summary		BUD 2011	EXP 1ST QTR	BAL 2011	% BAL
OOE	Description				
1001	Salaries and Other Personnel Costs	\$3,503,187.84	-\$900,697.71	\$2,602,490.13	74.29%
2001	Professional Fees	\$15,000.00	-\$10,000.00	\$5,000.00	33.33%
2002	Fuel and Lubricants	\$58,921.77	-\$4,196.96	\$54,724.81	92.88%
2003	Supplies	\$33,691.29	-\$5,549.07	\$28,142.22	83.53%
2004	Utilities	\$73,015.48	-\$12,666.41	\$60,349.07	82.65%
2005	Travel	\$400,120.24	-\$51,862.06	\$348,258.18	87.04%
2006	Rent-Office	\$218,428.59	-\$62,810.81	\$155,617.78	71.24%
2007	Rent-Equipment	\$37,606.06	-\$8,609.28	\$28,996.78	77.11%
2009	Other Operating	\$348,175.92	-\$34,741.31	\$313,434.61	90.02%
4000	Grants	\$17,979,327.92	-\$1,844,267.70	\$16,135,060.22	89.74%
xxxx	5% Reduction Amount	\$1,127,167.00	\$0.00	\$1,127,167.00	100.00%
		<hr/>			
		\$23,794,642.11	-\$2,935,401.31	\$20,859,240.80	87.66%

BUDGET BY STRATEGY

Strategy - Soil and Water Conservation Assistance

75% Fiscal Year Remaining

Summary		BUD 2011	EXP 1ST QTR	BAL 2011	
	Appropriation Original Budget	\$11,781,311.00	\$0.00	\$11,781,311.00	
	Appropriation Transfers Out	\$0.00	-\$112,996.00	-\$112,996.00	
	Cash Revenues	\$0.00	\$112,971.58	\$112,971.58	
	Cash Expenditures	\$0.00	-\$1,938,345.23	-\$1,938,345.23	
	Appropriation Cash Available	\$11,781,311.00	-\$1,938,369.65	\$9,842,941.35	
<u>Budget Division - District Operations</u>					
OOE	Description	BUD 2011	EXP 1ST QTR	BAL 2011	% BAL
1001	Salaries and Other Personnel Costs	\$789,282.00	-\$183,394.58	\$605,887.42	76.76%
2003	Supplies	\$6,000.00	-\$604.56	\$5,395.44	89.92%
2004	Utilities	\$25,000.00	-\$2,730.75	\$22,269.25	89.08%
2005	Travel	\$205,000.00	-\$26,129.56	\$178,870.44	87.25%
2006	Rent-Office	\$21,175.00	-\$5,231.03	\$15,943.97	75.30%
2007	Rent-Equipment	\$5,500.00	-\$883.82	\$4,616.18	83.93%
2009	Other Operating	\$67,583.00	-\$4,672.27	\$62,910.73	93.09%
4000	Grants				
	Matching Fund	\$916,364.00	-\$119,401.13	\$796,962.87	86.97%
	Technical Service Provider - Old	\$108,041.20	-\$33,168.48	\$74,872.72	0.00%
	Technical Service Provider - EQIP	\$3,420.56	-\$3,420.56	\$0.00	0.00%
	Technical Service Provider - AWEP	\$1,533.03	-\$1,533.03	\$0.00	0.00%
	Technical Assistance	\$1,778,154.00	-\$231,780.09	\$1,546,373.91	86.97%
	District Director Mileage and Per Diem	\$434,510.00	-\$321,503.48	\$113,006.52	26.01%
	District Director Liability & Legal	\$58,600.00	-\$33,571.20	\$25,028.80	42.71%
		<u>\$4,420,162.79</u>	<u>-\$968,024.54</u>	<u>\$3,452,138.25</u>	<u>78.10%</u>
<u>Budget Division - Flood Control</u>					
OOE	Description	BUD 2011	EXP 1ST QTR	BAL 2011	% BAL
1001	Salaries and Other Personnel Costs	\$147,581.00	-\$35,388.06	\$112,192.94	76.02%
2002	Fuel and Lubricants	\$5,000.00	-\$837.39	\$4,162.61	83.25%
2003	Supplies	\$2,000.00	-\$192.50	\$1,807.50	90.38%
2004	Utilities	\$3,000.00	-\$518.14	\$2,481.86	82.73%
2005	Travel	\$10,000.00	-\$1,012.15	\$8,987.85	89.88%
2006	Rent-Office	\$5,000.00	-\$1,307.75	\$3,692.25	73.85%
2007	Rent-Equipment	\$1,500.00	-\$292.45	\$1,207.55	80.50%
2009	Other Operating	\$15,919.00	-\$863.11	\$15,055.89	94.58%
4000	Grants				
	Operation & Maintenance	\$2,472,008.79	-\$429,909.14	\$2,042,099.65	82.61%
	Structural Repair	\$4,095,471.00	-\$500,000.00	\$3,595,471.00	87.79%
xxxx	5% Reduction Amount	\$603,644.00	\$0.00	\$603,644.00	100.00%
		<u>\$7,361,123.79</u>	<u>-\$970,320.69</u>	<u>\$6,390,803.10</u>	<u>86.82%</u>

BUDGET BY STRATEGY

Strategy - Nonpoint Source Management Program 75% Fiscal Year Remaining

Summary		BUD 2011	EXP 1ST QTR	BAL 2011	
Appropriation Original Budget		\$1,372,562.00	\$0.00	\$1,372,562.00	
Appropriation Transfers Out		\$0.00	-\$9,350.00	-\$9,350.00	
Cash Revenues		\$0.00	\$245,631.63	\$245,631.63	
Cash Expenditures		\$0.00	-\$290,996.83	-\$290,996.83	
Appropriation Cash Available		\$1,372,562.00	-\$54,715.20	\$1,317,846.80	
<u>Budget Division - Federal Funded Grants</u>					
OOE Description		BUD 2011	EXP 1ST QTR	BAL 2011	% BAL
1001 Salaries and Other Personnel Costs		\$108,663.84	-\$108,663.84	\$0.00	0.00%
2002 Fuel and Lubricants		\$221.77	-\$221.77	\$0.00	0.00%
2003 Supplies		\$1,691.29	-\$1,691.29	\$0.00	0.00%
2004 Utilities		\$1,315.48	-\$1,315.48	\$0.00	0.00%
2005 Travel		\$5,620.24	-\$5,620.24	\$0.00	0.00%
2006 Rent-Office		\$4,977.59	-\$4,977.59	\$0.00	0.00%
2007 Rent-Equipment		\$606.06	-\$606.06	\$0.00	0.00%
2009 Other Operating		\$3,534.92	-\$3,534.92	\$0.00	0.00%
4000 Grants					
Financial Incentives		\$76,162.14	-\$76,162.14	\$0.00	0.00%
Federal Pass-Thru		\$42,838.30	-\$61,847.50	-\$19,009.20	-44.37%
		<u>\$245,631.63</u>	<u>-\$264,640.83</u>	<u>-\$19,009.20</u>	<u>-7.74%</u>
<u>Budget Division - State Funded Grants</u>					
OOE Description		BUD 2011	EXP 1ST QTR	BAL 2011	% BAL
1001 Salaries and Other Personnel Costs		\$90,002.00	-\$21,607.02	\$68,394.98	75.99%
2002 Fuel and Lubricants		\$2,000.00	-\$61.81	\$1,938.19	96.91%
2003 Supplies		\$1,000.00	-\$37.39	\$962.61	96.26%
2004 Utilities		\$3,000.00	-\$356.71	\$2,643.29	88.11%
2005 Travel		\$10,000.00	-\$2,553.15	\$7,446.85	74.47%
2006 Rent-Office		\$5,000.00	-\$871.85	\$4,128.15	82.56%
2007 Rent-Equipment		\$1,500.00	-\$124.16	\$1,375.84	91.72%
2009 Other Operating		\$50,216.00	-\$743.91	\$49,472.09	98.52%
4000 Grants		\$1,130,428.00	\$0.00	\$1,130,428.00	100.00%
xxxx 5% Reduction Amount		\$70,066.00	\$0.00	\$70,066.00	100.00%
		<u>\$1,363,212.00</u>	<u>-\$26,356.00</u>	<u>\$1,336,856.00</u>	<u>98.07%</u>

BUDGET BY STRATEGY
 Strategy - Pollution Abatement Plans
 75% Fiscal Year Remaining

Summary	BUD 2011	EXP 1ST QTR	BAL 2011
Appropriation Original Budget	\$4,306,017.00	\$0.00	\$4,306,017.00
Appropriation Transfers Out	\$0.00	-\$76,600.00	-\$76,600.00
Appropriation Transfers In	\$0.00	\$1,530.33	\$1,530.33
Cash Revenues	\$0.00	\$213,453.12	\$213,453.12
Cash Expenditures	\$0.00	-\$466,924.68	-\$466,924.68
Appropriation Cash Available	\$4,306,017.00	-\$328,541.23	\$3,977,475.77

Budget Division - SB 503 WQMP Program

OOE Description	BUD 2011	EXP 1ST QTR	BAL 2011	% BAL
1001 Salaries and Other Personnel Costs	\$1,300,075.00	-\$287,782.83	\$1,012,292.17	77.86%
2002 Fuel and Lubricants	\$36,000.00	-\$1,454.69	\$34,545.31	95.96%
2003 Supplies	\$13,000.00	-\$1,960.35	\$11,039.65	84.92%
2004 Utilities	\$20,500.00	-\$3,776.62	\$16,723.38	81.58%
2005 Travel	\$54,000.00	-\$6,997.25	\$47,002.75	87.04%
2006 Rent-Office	\$114,776.00	-\$30,812.32	\$83,963.68	73.15%
2007 Rent-Equipment	\$19,000.00	-\$5,195.35	\$13,804.65	72.66%
2009 Other Operating	\$124,926.00	-\$13,322.21	\$111,603.79	89.34%
4000 Grants				
Financial Incentives	\$1,979,281.00	-\$24,709.61	\$1,954,571.39	98.75%
Technical Service Provider	\$40,383.45	\$0.00	\$40,383.45	100.00%
xxxx 5% Reduction Amount	\$192,459.00	\$0.00	\$192,459.00	100.00%
	\$3,894,400.45	-\$376,011.23	\$3,518,389.22	90.34%

Budget Division - Poultry WQMP Program

OOE Description	BUD 2011	EXP 1ST QTR	BAL 2011	% BAL
1001 Salaries and Other Personnel Costs	\$330,763.00	-\$77,371.84	\$253,391.16	76.61%
2002 Fuel and Lubricants	\$7,200.00	-\$1,069.19	\$6,130.81	85.15%
2003 Supplies	\$1,500.00	-\$86.68	\$1,413.32	94.22%
2004 Utilities	\$6,500.00	-\$1,310.88	\$5,189.12	79.83%
2005 Travel	\$6,000.00	-\$971.74	\$5,028.26	83.80%
2006 Rent-Office	\$26,500.00	-\$8,651.41	\$17,848.59	67.35%
2007 Rent-Equipment	\$3,500.00	-\$559.21	\$2,940.79	84.02%
2009 Other Operating	\$19,855.00	-\$892.50	\$18,962.50	95.50%
4000 Grants	\$120,000.00	\$0.00	\$120,000.00	100.00%
xxxx 5% Reduction Amount	\$28,182.00	\$0.00	\$28,182.00	100.00%
	\$550,000.00	-\$90,913.45	\$459,086.55	83.47%

BUDGET BY STRATEGY
 Strategy - Water Supply Enhancement
 75% Fiscal Year Remaining

Summary		BUD 2011	EXP 1ST QTR	BAL 2011	
Appropriation Original Budget		\$4,543,641.00	\$0.00	\$4,543,641.00	
Appropriation Transfers Out		\$0.00	-\$43,950.00	-\$43,950.00	
Appropriation Transfers In		\$0.00	\$766,420.45	\$766,420.45	
Cash Expenditures		\$0.00	-\$83,847.87	-\$83,847.87	
Appropriation Cash Available		\$4,543,641.00	\$638,622.58	\$5,182,263.58	
Budget Division - Water Enhancement Program					
OOE Description		BUD 2011	EXP 1ST QTR	BAL 2011	% BAL
1001 Salaries and Other Personnel Costs		\$210,804.00	-\$62,965.41	\$147,838.59	70.13%
2002 Fuel and Lubricants		\$8,500.00	-\$552.11	\$7,947.89	93.50%
2003 Supplies		\$1,500.00	-\$101.69	\$1,398.31	93.22%
2004 Utilities		\$5,500.00	-\$986.49	\$4,513.51	82.06%
2005 Travel		\$27,000.00	-\$4,848.76	\$22,151.24	82.04%
2006 Rent-Office		\$20,000.00	-\$5,388.80	\$14,611.20	73.06%
2007 Rent-Equipment		\$2,000.00	-\$244.86	\$1,755.14	87.76%
2009 Other Operating		\$35,859.00	-\$1,498.41	\$34,360.59	95.82%
4000 Grants		\$4,722,132.45	-\$7,261.34	\$4,714,871.11	99.85%
xxxx 5% Reduction Amount		\$232,816.00	\$0.00	\$232,816.00	100.00%
		<u>\$5,266,111.45</u>	<u>-\$83,847.87</u>	<u>\$5,182,263.58</u>	<u>98.41%</u>

BUDGET BY STRATEGY
 Strategy - Indirect Administration
 25% Fiscal Year Remaining

Summary	BUD 2011	EXP 1ST QTR	BAL 2011
Appropriation Original Budget	\$544,954.00	\$0.00	\$544,954.00
Appropriation Transfers Out	\$0.00	-\$2,500.00	-\$2,500.00
Appropriation Transfers In	\$0.00	\$151,546.00	\$151,546.00
Cash Revenues	\$0.00	\$0.00	\$0.00
Cash Expenditures	\$0.00	-\$155,286.70	-\$155,286.70
Appropriation Cash Available	\$544,954.00	-\$6,240.70	\$538,713.30

Budget Division - Board / Executive Admin

OOE Description	BUD 2011	EXP 1ST QTR	BAL 2011	% BAL
1001 Salaries and Other Personnel Costs	\$127,000.00	-\$31,551.30	\$95,448.70	75.16%
2003 Supplies	\$1,000.00	-\$9.46	\$990.54	99.05%
2004 Utilities	\$1,200.00	-\$298.34	\$901.66	75.14%
2005 Travel	\$72,500.00	-\$1,776.43	\$70,723.57	97.55%
2006 Rent-Office	\$1,000.00	-\$212.00	\$788.00	78.80%
2007 Rent-Equipment	\$1,000.00	-\$238.21	\$761.79	76.18%
2009 Other Operating	\$3,300.00	-\$1,024.58	\$2,275.42	68.95%
	\$207,000.00	-\$35,110.32	\$171,889.68	83.04%

Budget Division - Budget / Accounting

OOE Description	BUD 2011	EXP 1ST QTR	BAL 2011	% BAL
1001 Salaries and Other Personnel Costs	\$399,017.00	-\$91,972.83	\$307,044.17	76.95%
2001 Professional Fees	\$15,000.00	-\$10,000.00	\$5,000.00	33.33%
2003 Supplies	\$6,000.00	-\$865.15	\$5,134.85	85.58%
2004 Utilities	\$7,000.00	-\$1,373.00	\$5,627.00	80.39%
2005 Travel	\$10,000.00	-\$1,952.78	\$8,047.22	80.47%
2006 Rent-Office	\$20,000.00	-\$5,358.06	\$14,641.94	73.21%
2007 Rent-Equipment	\$3,000.00	-\$465.16	\$2,534.84	84.49%
2009 Other Operating	\$26,983.00	-\$8,189.40	\$18,793.60	69.65%
	\$487,000.00	-\$120,176.38	\$366,823.62	75.32%

Active CWA 319(h) Projects

	Project Name	Project Description	Lead	Start Date	End Date	Federal Funding
04-01	Administration of the FY2004 CWA §319(h) Agricultural/Silvicultural NPS Management Program	Administer/manage the FY04 CWA §319(h) cooperative agreement between EPA and TSSWCB. Coordinate with project cooperators on administrative related issues and manage the financial aspects of each contract.	TSSWCB	08/01/04	06/01/11	\$ 154,220
04-02	FY2004 Statewide Agricultural/Silvicultural NPS Management Program	Provide technical assistance for FY04 CWA §319(h) agricultural and silvicultural projects and ensure that projects meet all technical requirements and are successfully completed in a timely fashion.	TSSWCB	08/01/04	06/01/11	\$ 375,231
05-01	Administration of the FY2005 CWA §319(h) Agricultural/Silvicultural NPS Management Program	Administer/manage the FY05 CWA §319(h) cooperative agreement between EPA and TSSWCB. Coordinate with project cooperators on administrative related issues and manage the financial aspects of each contract.	TSSWCB	07/07/05	09/01/11	\$ 104,480
05-02	FY2005 Statewide Agricultural/Silvicultural NPS Management Program	Provide technical assistance for FY05 CWA §319(h) agricultural and silvicultural projects and ensure that projects meet all technical requirements and are successfully completed in a timely fashion.	TSSWCB	07/07/05	09/01/11	\$ 310,426
05-08	Peach Creek Project	This project will provide agricultural producers in the Peach Creek watershed with an opportunity to participate in water quality educational activities, technical assistance, and financial assistance for the implementation of Best Management Practices (BMPs), in order to improve water quality.	Gonzales SWCD	09/01/05	05/31/11	\$ 465,123
05-09	Lake Granger Project	The Brazos River Authority will facilitate the development of a Watershed Protection Plan for the Lake Granger Watershed. This project will also provide the Little River-San Gabriel and Taylor SWCDs with funding for technical/ financial assistance to implement BMPs through conservation planning.	BRA, Little River-San Gabriel and Taylor SWCDs	09/01/05	05/31/11	\$ 814,168
06-01	Administration of the FY2006 CWA §319(h) Agricultural/Silvicultural NPS	Administer and manage the FY2006 CWA §319(h) cooperative agreement between EPA and TSSWCB. Coordinate with project cooperators on administrative related issues and manage the financial	TSSWCB	10/01/06	09/01/11	\$ 294,343

	Project Name	Project Description	Lead	Start Date	End Date	Federal Funding
	Management Program	aspects of each contract.				
06-02	FY2006 Statewide Agricultural/Silvicultural NPS Management Program	Provide technical assistance for FY06 CWA §319(h) agricultural and silvicultural projects and to ensure that the projects meet all technical requirements and are successfully completed in a timely fashion.	TSSWCB	10/01/06	09/01/11	\$ 487,998
06-05	Lone Star Healthy Streams	This project will reduce the levels of bacterial contamination of Texas watersheds from grazing livestock (beef cattle) by developing an educational curriculum that delivers current knowledge training in production and environmental management of grazing lands, evaluating and demonstrating the effectiveness of BMPs in reducing bacterial contamination of waterbodies from grazing lands, and promoting Statewide adoption of best management practices (BMPs) through education, outreach and technology transfer.	Texas Water Resources Institute	10/01/06	03/31/11	\$ 404,673
06-08	Education Program for Improved Water Quality in Copano Bay	The objective of this project is to improve the water quality in Copano Bay and its tributaries by increasing awareness of the water quality issues throughout the watershed and providing education and demonstrations for landowners and livestock owners in the watershed on practices to decrease or prevent bacteria from entering waterways.	Texas Water Resources Institute	10/01/06	12/31/10	\$ 211,794
06-09	WQMP Implementation in the Middle and South Bosque River Watersheds	This project will provide technical and/or financial assistance to landowners to aid in the development and implementation of WQMPs and compile information on the location and types BMPs for each WQMP implemented.	TSSWCB	11/01/06	05/31/11	\$ 477,770
06-10	Arroyo Colorado Agricultural Nonpoint Source Assessment	This project will better characterize agricultural runoff in the Arroyo watershed, demonstrate, and evaluate BMP effectiveness, and measure progress in achieving water quality goals in the watershed. The objectives of the project are to perform a complete historical data review and analysis related to water quality and agricultural best management practices implemented in the watershed, investigate site-specific differences and temporal variation of water quality in drainage from agricultural production areas, and collect data for future recalibration of SWAT model to better estimate the total nonpoint source loading into the river.	Texas Water Resources Institute	10/01/06	02/28/11	\$ 430,650

	Project Name	Project Description	Lead	Start Date	End Date	Federal Funding
06-11	Buck Creek WPP	The objectives of this project are to identify specific sources of the bacteria in Buck Creek, evaluate potential management alternatives for restoring the waterbody and educate landowners on the best management practices and develop a watershed protection plan to restore the waterbody through a stakeholder driven process.	Texas Water Resources Institute	10/01/06	05/31/11	\$ 430,181
06-12	Leon River WPP	The objectives of this project are to use a locally-driven, stakeholder process to develop a Watershed Protection Plan for the Leon River Watershed above Lake Belton; enhance data collection efforts to support and facilitate implementation activities; provide the TSSWCB and the TCEQ with recommendations on implementation strategies that can be incorporated into the TMDL Implementation Plan; and provide an overall assessment of the Leon River Watershed above Lake Belton.	Brazos River Authority	10/01/06	05/31/11	\$ 440,525
06-13	Technical Assistance Supporting Cooperative Conservation in South Central Texas	The objective of the project is to provide technical assistance to landowners to aid in the development, implementation, and/or maintenance of WQMPs through SB503, Clean Water Act CWA §319(h) and EQIP funds and compile information on the location and types BMPs for each WQMP implemented.	Karnes, Atascosa & Dewitt SWCDs	12/01/06	12/31/10	\$ 437,900
06-15	SWQM for Copano Bay TMDL	The objective of this project is to provide quality assured surface water quality monitoring data to support development of bacteria TMDLs for Copano Bay and Mission and Aransas Rivers in Aransas, Bee, Goliad, Karnes, Refugio, and San Patricio Counties.	Nueces River Authority	01/01/07	05/31/11	\$ 214,388
07-01	Administration of the FY2007 CWA §319(h) Agricultural/Silvicultural NPS Management Program	Administer/manage the FY07 CWA §319(h) cooperative agreement between EPA and TSSWCB. Coordinate with project cooperators on administrative related issues and manage the financial aspects of each contract.	TSSWCB	10/01/07	09/30/12	\$ 290,000
07-02	FY2007 Statewide Agricultural/Silvicultural NPS Management Program	Provide technical assistance for FY07 CWA §319(h) agricultural and silvicultural projects and ensure that projects meet all technical requirements and are successfully completed in a timely fashion.	TSSWCB	10/01/07	09/30/12	\$ 460,000

	Project Name	Project Description	Lead	Start Date	End Date	Federal Funding
07-04	Management Repository of Agricultural and Silvicultural Environmental Data	Development of a comprehensive, user-friendly database that will house data collected via CWA §319(h) Grant Program funds allocated to and through the Texas State Soil and Water Conservation Board.	Blackland Research & Extension Center	10/01/07	09/30/11	\$ 323,342
07-05	LCRA Soil and Water Stewardship Program	This project will help protect the Texas lower Colorado River basin by providing educational, technical and financial assistance to landowners through the Lower Colorado River Authority's Soil and Water Stewardship Program.	Lower Colorado River Authority	10/01/07	09/30/11	\$ 458,224
07-06	Fate and Transport of E. coli in Rural Texas Landscapes and Streams	The main objectives of this project are to identify, characterize, and quantify E. coli loads resulting from various sources in an impaired watershed, monitor survival, growth, re-growth, and die-off of E. coli under different environmental conditions, monitor re-suspension of E. coli in streams, and educate stakeholders by disseminating qualitative and quantitative information acquired in this project.	Texas Water Resources Institute	10/01/07	08/31/11	\$ 300,000
07-09	Statewide Implementation of the Texas Watershed Steward Program	The objective of this project is to facilitate statewide implementation of the Texas Watershed Steward (TWS) program through watershed-based group trainings and computer-based distance training components. This project will increase stakeholder involvement in the WPP and/or TMDL development processes by educating and organizing local citizens and to promote healthy watersheds by increasing citizen awareness, understanding, and knowledge about the nature and function of watersheds, potential impairments, and watershed protection strategies to minimize nonpoint source pollution.	Texas AgriLife Extension Service	10/01/07	09/30/11	\$ 520,000
07-11	Lampasas River Watershed Assessment and Protection Project	The purpose of this project is to work in concert with federal, state and local partners to coordinate a stakeholder driven process for the development of a WPP in the Lampasas River Watershed that is consistent with EPA's nine essential elements fundamental to a potentially successful WPP.	Texas AgriLife Research at Blackland	10/01/07	02/28/12	\$ 498,422
07-12	Assessing Water Quality Management Plan Implementation in the Middle and South Bosque River and Hog Creek Watersheds	This project will provide storm and routine monitoring of the Middle and South Bosque River and Hog Creek watersheds in order to assess ag NPS reductions associated with implementation of WQMPs within waterbodies of concern for nitrite-nitrate nitrogen. A secondary objective is to monitor reductions in bacteria concentrations through	TIAER	10/01/07	03/31/11	\$ 308,640

	Project Name	Project Description	Lead	Start Date	End Date	Federal Funding
		routine grab sampling.				
07-13	Identify and Characterize NPS Bacteria Pollution to Support Implementation of Bacteria TMDLs in the Oso Bay Watershed	To provide information on nonpoint sources of enterococci in the upstream section of Oso Creek to state agencies and local planning entities in support of the Implementation Phase of the Oso Creek/Oso Bay watershed TMDL	Texas A&M University-Corpus Christi	10/01/07	12/31/11	\$ 442,372
07-14	Agricultural NPS Remediation in the Cedar Creek Reservoir Watershed	The project's goal is to reduce nutrient and sediment loading to Cedar Creek Reservoir by implementing BMPs on crop and pasture lands. The objectives are to encourage BMP implementation by providing landowners with technical and financial assistance through the Kaufmann-Van Zandt SWCD and educational programs through Texas AgriLife Extension Service. Effectiveness of BMPs will be assessed by Texas AgriLife Research.	Kaufman-Van Zandt SWCD	10/01/07	08/31/11	\$ 736,619
08-01	Administration of the FY2008 CWA §319(h) Agricultural/Silvicultural Nonpoint Source Management Program	Administer/manage the FY08 CWA §319(h) cooperative agreement between EPA and TSSWCB. Coordinate with project cooperators on administrative related issues and manage the financial aspects of each contract.	TSSWCB	09/01/08	08/31/11	\$ 260,000
08-02	FY2008 Statewide Agricultural/Silvicultural NPS Management Program	Provide technical assistance for FY08 CWA §319(h) agricultural and silvicultural projects and ensure that projects meet all technical requirements and are successfully completed in a timely fashion.	TSSWCB	09/01/08	08/31/11	\$ 400,000
08-03	Texas Silvicultural Nonpoint Source Pollution Prevention and Abatement	The major goal of this project is to protect and improve water quality in Texas. The extensive education, training, and outreach components of this project will lead to an increase in forestry BMP implementation, as well as preventing unnecessary erosion and sedimentation from occurring. Another goal is to provide technical assistance to the forestry community on emerging issues - biomass, urban forestry, and land stewardship in Central Texas.	Texas Forest Service	09/01/08	09/30/11	\$ 506,327
08-04	Efficient Nitrogen Fertilization: Accounting for Field Nitrogen	This project will demonstrate an enhanced soil test methodology that accounts for all sources of plant available N in the soil, improve	USDA-ARS	09/01/08	08/31/11	\$ 293,883

	Project Name	Project Description	Lead	Start Date	End Date	Federal Funding
	Mineralization	fertilizer efficiency by considering all sources of plant available N in the soil, and demonstrate the potential for reduced N runoff due to reduced N application based on use of this soil test methodology.				
08-05	Modeling Support for Buck Creek Watershed Protection Plan Development	This project will develop an estimate of bacterial loading in Buck Creek using the SELECT model and identify highest contributing areas and their associated sources. Load Duration Curves will be used to determine bacteria load reductions needed to achieve water quality standards. The results of this project will be incorporated into the Buck Creek Watershed Protection Plan.	Texas Water Resources Institute	09/01/08	05/31/11	\$ 42,330
08-06	Development of a Watershed Protection Plan for Geronimo Creek	The goals of the project are to collect and analyze water quality data and coordinate the development of a watershed protection plan for the Geronimo Creek watershed that satisfies the nine elements.	Guadalupe-Blanco River Authority	11/01/08	09/30/11	\$ 472,398
08-07	Implementing Agricultural Nonpoint Source Components of the Plum Creek Watershed Protection Plan	This project will foster coordinated technical assistance activities between the TSSWCB, local SWCDs and the NRCS and provide technical and financial assistance to agricultural producers for the development of WQMPs and implementation of BMPs. It will also provide education on feral hog management strategies and track feral hog management activities conducted by landowners. Lastly, it will support and facilitate Plum Creek Watershed Partnership in developing proposals to acquire funding for implementation projects, managing and tracking implementation projects as well as to deliver educational programs to citizens in the watershed to encourage adoption of agricultural BMPs.	Caldwell-Travis SWCD and Texas AgriLife Extension	09/01/08	09/30/11	\$ 996,079
08-08	Implementing Components of the Watershed Protection Plan for the Pecos River in Texas	The overall goal of this project is to begin implementing some of the highest priority practices recommended in the Pecos River WPP. A primary goal of the project is to continue to chemical saltcedar treatments along the riparian corridor in areas that have not already been treated. Encouraging landowners to voluntarily implement recommended management practices on their land by offering technical and financial assistance through the Crockett and Upper Pecos SWCDs and through the delivery of pertinent educational programs administered by the Texas AgriLife Extension Service is also a critical goal of the project.	TWRI, Upper Pecos and Crockett SWCDs	11/01/09	10/31/12	\$ 1,499,859

	Project Name	Project Description	Lead	Start Date	End Date	Federal Funding
09-01	Administration of the FY2009 CWA §319(h) Agricultural/Silvicultural NPS Management Program	Administer/manage the FY09 CWA §319(h) cooperative agreement between EPA and TSSWCB. Coordinate with project cooperators on administrative related issues and manage the financial aspects of each contract.	TSSWCB	11/02/09	10/31/12	\$ 336,490
09-02	FY2009 Statewide Agricultural/Silvicultural NPS Management Program	Provide technical assistance for FY08 CWA §319(h) agricultural and silvicultural projects and ensure that projects meet all technical requirements and are successfully completed in a timely fashion.	TSSWCB	11/02/09	10/31/12	\$ 1,123,150
09-03	Groundwater Nitrogen Source Identification and Remediation in the Texas High Plains and Rolling Plains Regions	This project will identify the source of nitrate nitrogen in groundwater in the Texas High Plains and Rolling Plains, evaluate and demonstrate strategies and practices for reducing nitrate levels in groundwater in the Texas High Plains and Rolling Plains, and transfer results and recommendations to farmers directly and through project partners	Texas Water Resources Institute	11/02/09	10/31/12	\$ 450,010
09-04	Development and Implementation of an Environmental Training Program for Manure and Compost Haulers /Applicators in the Texas High Plains	This project will facilitate the development and implementation of an education, training and demonstration program to improve the understanding of environmental protection principles by manure/compost haulers, equipment operators, certified crop advisors (CCAs) and crop producers.	Texas Cattle Feeders Association	11/02/09	10/31/12	\$ 326,011
09-05	Environmental Effects of In-House Windrow Composting of Poultry Litter	This project is meant to reduce bacteria, nutrients, and other environmental impacts of poultry litter application through demonstration/evaluation of in-house windrow composting (IWC) of poultry litter and transferring the results to poultry producers throughout the state.	Texas Water Resources Institute	11/02/09	10/31/12	\$ 268,236
09-06	Development of a Synergistic, Comprehensive Statewide Lone Star Healthy Streams Program	The goal of this project is to reduce the amount of bacteria entering Texas waterbodies from the major classes of livestock. To accomplish this, the Lone Star Healthy Streams (LSHS) education program will be expanded through integration of grazing cattle, horse, poultry, dairy cattle, and feral hog components into a synergistic industry endorsed LSHS Program ready for statewide delivery.	Texas Water Resources Institute	11/02/09	10/31/12	\$ 379,601

	Project Name	Project Description	Lead	Start Date	End Date	Federal Funding
09-07	Monitoring Effectiveness of Nonpoint Source Nutrient Management in the North Bosque River Watershed	This project will provide targeted surface water quality data for evaluating the effectiveness of agricultural NPS pollution abatement efforts associated with I-Plan activities for two phosphorus TMDLs in the North Bosque River watershed.	Texas Institute for Applied Environmental Research	11/02/09	10/31/12	\$ 320,031
09-08	Implementing the Pecos River Watershed Protection Plan through Continuous Water Quality Monitoring and Dissolved Oxygen Modeling	This project will establish and operate a continuous water quality monitoring (CWQM) station on the Pecos River near Girvin to provide critical information on water quality parameters in the middle portion of the Pecos River in Texas so that the impacts of WPP implementation can be accurately monitored. This project will also utilize computer based dissolved oxygen (DO) modeling to identify the sources of DO impairment, estimate load reductions needed and evaluate best management practices (BMPs) ability to achieve load reductions	Texas Water Resources Institute	11/02/09	10/31/12	\$ 224,826
09-09	Implementing the Arroyo Colorado Watershed Protection Plan by Providing Technical and Financial Assistance to Reduce Agricultural Nonpoint Source Pollution	This project will coordinate technical assistance activities between the TSSWCB, local SWCDs, and NRCS and implement components of the Arroyo Colorado WPP addressing agricultural NPS pollution. This project will also promote the availability of technical and financial assistance to agricultural producers, and provide technical and financial assistance to agricultural producers for the development of WQMPs and implementation of BMPs, and conduct status reviews on WQMPs in order to track implementation success.	TSSWCB, Southmost and Hidalgo SWCDs	11/02/09	10/31/12	\$ 532,516
09-10	Development of a Watershed Protection Plan for Attoyac Bayou	This project will assess the current water quality conditions and impairments in the Attoyac Bayou watershed through targeted water quality sampling and analysis, conducting a watershed source survey and developing a comprehensive GIS inventory, analyze water quality data using Load Duration Curves and spatially explicit modeling, conduct bacteria source tracking, conduct a Use Attainability Analysis, establish and provide direction for a stakeholder group that will serve as a decision making body in the assessment of the Attoyac Bayou, and facilitate the development of a Watershed Protection Plan (WPP) that satisfies EPA's nine key element requirement and will guide any further assessment or planning activities.	Texas Water Resources Institute	11/02/09	10/31/12	\$ 617,829

	Project Name	Project Description	Lead	Start Date	End Date	Federal Funding
10-01	Administration of the FY2010 CWA Section 319(h) Agricultural/Silvicultural Nonpoint Source Management Program	Administer and manage the FY2010 CWA 319(h) cooperative agreement between EPA and TSSWCB. Coordinate with project cooperators on administrative related issues and manage the financial aspects of each contract. Coordinate administrative issues with the TSSWCB Statewide Resource Management (SRM) technical staff through periodic reviews of contractual requirements. Update the current proposal submission procedures and present to individuals interested in future funding in the 319(h) agricultural/silvicultural nonpoint source management program.	TSSWCB	10/01/10	08/31/13	\$ 301,994
10-02	FY2010 Statewide Agricultural/Silvicultural NPS Management Program	Provide technical assistance for FY2010 CWA §319(h) agricultural and silvicultural projects and to ensure that the projects meet all technical requirements and are successfully completed in a timely fashion. Implement best management practices through the State of Texas Nonpoint Source Pollution Abatement Program.	TSSWCB	10/01/10	08/31/13	\$ 549,990
10-03	Technical Assistance Supporting USDA-NRCS EQIP Statewide Resource Concern for Water Quality in South Central Texas	Coordination with local landowners to promote the TSSWCB WQMP Program and NRCS EQIP Statewide Resource Concern for Water Quality in South Central Texas. Through coordinating and promoting the program a high interest for developing WQMPS in the area will be generated. The TSSWCB Water Quality Management Plan (WQMP) Program affords agricultural producers an opportunity to comply with state water quality laws through traditional voluntary incentive-based programs. A WQMP is a site-specific plan developed through and approved by SWCDs which includes appropriate land treatment practices, production practices, management measures, and technologies that prevent and abate agricultural and silvicultural NPS pollution. The BMPs prescribed in a WQMP are defined in the NRCS Field Office Technical Guide. SWCDs provide for technical assistance to producers seeking to develop a WQMP. TSSWCB and NRCS have various cost-share programs which provide financial assistance to aid producers in implementing a WQMP.	Atascosa County, Karnes County & Gonzales County SWCDs	12/01/10	11/30/13	\$ 450,075
10-04	Preventing Water Quality Contamination Through the Texas Well Owner Network	The Texas Well Owner Network (TWON) is designed to deliver a science-based, community-responsive education curriculum. The TWON will focus on protecting groundwater quality and aquifer	TWRI	11/01/10	10/31/13	\$ 474,627

Project Name	Project Description	Lead	Start Date	End Date	Federal Funding
10-05 Coastal Prairie Wetland Restoration at Sheldon Lake State Park	<p>integrity, but also will complement the successful Texas Watershed Stewards program by emphasizing BMPs addressing potential contamination of surface water by sources also contaminating private domestic and irrigation wells and jeopardizing aquifer integrity. The TWON will train Texans regarding water quality and BMPs for protecting their wells and surface waters, which will avert off-site transport of contaminants (bacteria and nutrients) to surface waters, prevent contamination of underlying aquifers, and safeguard the health of landowners and their families.</p> <p>This project will support implementation of the Galveston Bay Plan by restoring 44 acres of coastal prairie wetlands at Sheldon Lake State Park. While restoring the land, the program will utilize innovative best management practices to demonstrate cost-efficient water quality abatement through wetland restoration. Abate agricultural NPS pollution. Through outreach efforts, the project will engage citizens in water resources management through direct involvement in wetland restoration work to increase knowledge about function of wetlands. Promotion of the adoption of wetland restoration by other entities through the use of field days and educational materials will also be used in this project.</p>	Texas AgriLife Extension Service, Sea Grant Program	11/01/10	10/31/13	\$ 390,538
10-06 Water Quality Monitoring in the Buck Creek Watershed and Facilitation of Buck Creek Watershed Partnership	<p>This project will maintain surface water quality monitoring and data collection at previously monitored sites in the Buck Creek watershed. It will also maintain stakeholder coordination and engagement.</p>	TWRI	11/01/10	10/31/12	\$ 115,566
10-07 Surface Water Quality Monitoring and Additional Data Collection Activities to Support the Implementation of the Plum Creek Watershed Protection Plan	<p>This project will monitor surface and ground water quality on the main stem and tributary stations in Plum Creek. The water quality data will be used to support the implementation of the Plum Creek WPP and evaluate the effectiveness of BMPs and in assessing water quality improvement and progress in achieving restoration. A gain/loss study will be conducted to better define the relationship between surface flows and groundwater recharge in the Plum Creek watershed. Water quality conditions will be communicated to the public and the Plum Creek Watershed Partnership Steering Committee in order to support adaptive management of the Plum Creek WPP and to expand public knowledge on Plum Creek water quality data.</p>	GBRA	11/01/10	10/31/13	\$ 485,545

	Project Name	Project Description	Lead	Start Date	End Date	Federal Funding
10-08	Development of a Watershed Protection Plan for Cedar Bayou	The purpose of the project is to develop a nine element Watershed Protection Plan (WPP) for the Cedar Bayou watershed. In order to do this, the project will 1) target water quality sampling and analysis, 2) conduct a watershed source survey and develop a comprehensive GIS inventory, 3) analyze water quality data using Load Duration Curves and spatially explicit modeling, 4) establish and provide direction for a stakeholder group that will serve as a decision making body.	Houston-Galveston Area Council	11/01/10	10/31/13	\$ 804,000
10-09	Building Partnerships for Cooperative Conservation in the Trinity River Basin	This project will develop a peer network of private landowners engaged in cooperative conservation to advance the restoration and protection of water quality within the Trinity River Basin. Relationships with stakeholders will be established to promote a healthy Trinity River Basin by increasing stakeholder awareness, understanding, and knowledge about the nature and function of watersheds, potential impairments, and watershed protection strategies to minimize NPS pollution.	TWRI and Texas AgriLife Extension Service	11/01/10	10/31/13	\$ 437,946
10-11	Implementing Educational Components of the Arroyo Colorado Watershed Protection Plan Focused on Agricultural Nonpoint Source Pollution	This project will develop a focused education effort on cost-share programs and BMPs that protect water quality, educate agricultural producers on how to better manage their acreage to reduce the potential for NPS pollution, support and promote cost-share programs that foster implementation of BMPs to protect water quality, and increase the number of producers that participate in cost-share programs, adopt WQMPs and install BMPs.	TWRI	10/01/10	09/30/13	\$ 202,443

Active State GR Projects

	Project Name	Project Description	Lead	Start Date	End Date	State Funding
06-10	Arroyo Colorado Agricultural Nonpoint Source Assessment	This project will better characterize agricultural runoff in the Arroyo watershed, demonstrate, and evaluate BMP effectiveness, and measure progress in achieving water quality goals in the watershed. The objectives of the project are to perform a complete historical data review and analysis related to water quality and agricultural best management practices implemented in the watershed, investigate site-specific differences and temporal variation of water quality in drainage from agricultural production areas, and collect data for future recalibration of SWAT model to better estimate the total nonpoint source loading into the river.	Texas Water Resources Institute	10/01/06	02/28/11	\$ 31,995
06-12	Leon River WPP	The objectives of this project are to use a locally-driven, stakeholder process to develop a Watershed Protection Plan for the Leon River Watershed above Lake Belton; enhance data collection efforts to support and facilitate implementation activities; provide the TSSWCB and the TCEQ with recommendations on implementation strategies that can be incorporated into the TMDL Implementation Plan; and provide an overall assessment of the Leon River Watershed above Lake Belton.	Brazos River Authority	10/01/06	05/31/11	\$ 60,000
06-15	SWQM for Copano Bay TMDL	The objective of this project is to provide quality assured surface water quality monitoring data to support development of bacteria TMDLs for Copano Bay and Mission and Aransas Rivers in Aransas, Bee, Goliad, Karnes, Refugio, and San Patricio Counties.	Nueces River Authority	01/01/07	05/31/11	\$ 75,253
09-53	Development of a Monitoring Strategy for the Southwest Regional Dairy Center at Tarleton State University	This project will facilitate stakeholder discussions regarding the Southwest Regional Dairy Center (SRDC), develop a comprehensive monitoring strategy for the SRDC that will further the understanding of dairy production activities, and develop a communication strategy for the SRDC that describes approaches to communicating findings from the monitoring strategy.	Texas AgriLife Research & Extension- Stephenville	03/01/09	02/28/11	\$ 80,846
09-54	Assessment of Contact Recreation Use Impairments and Watershed Planning for	To provide stakeholders and agencies with sufficient information to address bacteria impairments on Big Cypress Creek and tributaries (Hart and Tankersley Creeks) between Lake O' the Pines and Lake Bob Sandlin	North East Texas Municipal Water District	06/01/09	05/30/11	\$ 320,100

	Project Name	Project Description	Lead	Start Date	End Date	State Funding
	Big Cypress Creek and Tributaries (Hart and Tankersley Creeks)	through verification of use attainment, revision of water quality standards and/or designated uses, or development of a WPP or TMDL by 1) facilitating public participation and coordinating stakeholder involvement in decision-making, 2) developing a comprehensive GIS inventory and conducting a watershed source survey, 3) collecting water quality monitoring data, and 4) collecting information on factors affecting attainment of recreational use.				
09-55	Modeling Support and Bacterial Source Tracking for Big Cypress Creek Bacteria Assessment	To provide stakeholders and agencies with sufficient information to address bacteria impairments on Big Cypress Creek and tributaries (Hart and Tankersley Creeks) between Lake O' the Pines and Lake Bob Sandlin through verification of use attainment, revision of water quality standards and/or designated uses, or development of a WPP or TMDL by 1) conducting bacterial source tracking, 2) developing a comprehensive GIS inventory and conducting a watershed source survey, and 3) analyzing data using Load Duration Curves and spatially explicit modeling.	Texas Water Resources Institute	06/01/09	05/01/11	\$ 173,422
09-56	Demonstration of Alternative Best Management Practices for Small Pork Production Facilities	The objective of this project is to implement and demonstrate alternative wastewater management systems for small pork production facilities as a cost effective alternative technology that will meet the requirements of water quality protection as prescribed by the Texas Water Code and Texas Administrative Code §321.47.	Alamo SWCD	08/01/09	07/31/11	\$ 75,000
09-57	Leon River AWEP	To provide administrative and technical support for the USDA Natural Resources Conservation Service Agricultural Water Enhancement Program project entitled Water Quality Improvement Project for the Leon River.	Leon-Bosque RC&D	08/24/09	02/24/11	\$ 10,044
09-58	Demonstration and Effectiveness Monitoring of a Vegetative Treatment Area	The objective of this project is to determine the effectiveness of a vegetative treatment area in meeting the requirements of water quality protection as prescribed by the Texas Water Code and Texas Administrative Code §321.47 in the Texas High Plains through sampling and analysis of soils and wastewater.	Blackwater Valley SWCD	08/01/09	05/31/11	\$ 7,500
10-50	Support Analytical Infrastructure and Further Development of a Statewide	Support anticipated volume of bacterial source tracking (BST) studies across the State through continued support and maintenance of analytical infrastructure at public BST laboratories. Support the development and	TWRI	08/01/10	07/31/12	\$ 439,351

	Project Name	Project Description	Lead	Start Date	End Date	State Funding
	Bacterial Source Tracking Library	delivery of educational and informational materials to promote the use and applicability of BST and the state-supported analytical labs. Delivery of a state of the science workshop for Texas on BST technologies and capabilities.				
10-51	Bacterial Source Tracking to Support the Development and Implementation of Watershed Protection Plans for the Lampasas and Leon Rivers	The project will collect water samples and stream flow data in the Lampasas and Leon Rivers watersheds for BST to assess and identify different sources contributing to the bacterial loading of each waterbody. Known source fecal samples will be collected from each watershed for inclusion in the Texas E. coli BST Library.	TWRI	08/01/10	07/31/12	\$ 432,905
10-52	Evaluation and Demonstration of BMPs for Cattle on Grazing Lands for the Lone Star Healthy Streams Program	This project will evaluate and demonstrate BMP effectiveness in reducing bacteria runoff from grazing lands in Texas waterbodies caused by grazing livestock. The project will also utilize BMP effectiveness data as the scientific-basis for the Lone Star Healthy Streams (grazing cattle component) education program.	TWRI	06/01/10	05/31/12	\$ 162,364
10-53	Recreational Use Attainability Analysis for Mid Pecan Bayou	This project will collect the needed data to evaluate factors affecting attainment of recreational use in Mid Pecan Bayou by assessing possible sources of bacteria by developing a comprehensive GIS inventory, evaluating historical water quality data, and conducting a watershed source survey. Public participation and coordinated stakeholder involvement will ensure decision-making is founded on local input.	Texas AgriLife Research and Extension Center at Stephenville	08/01/10	12/31/12	\$ 121,443
10-54	Surface Water Quality Monitoring to Support the Implementation of the Plum Creek Watershed Protection Plan	Project will conduct surface water quality monitoring on the main stem and tributaries of the Plum Creek watershed. Water quality data will be collected for use in evaluating the effectiveness of BMPs and in assessing water quality improvement and progress in achieving restoration. The project will communicate water quality conditions to the public and the PCWP Steering Committee in order to support adaptive management of the Plum Creek WPP.	Guadalupe-Blanco River Authority	05/01/10	12/31/10	\$ 30,000