

## **Management Plan 2003-2013**

**WHEREAS**, the Permian Basin Underground Water Conservation District (the District) was created on April 25, 1985, by authority of HB 2382 of the 69<sup>th</sup> Texas Legislature; and

**WHEREAS**, the registered voters of the District confirmed the District's creation in September, 1985; and

**WHEREAS**, the District adopted a 10 year Management Plan in 1998, as required by the Texas Water Code; and

**WHEREAS**, SB 1, 75<sup>th</sup> Texas Legislature required the District to adopt a revised Management Plan every five years stated in Chapter 36.1071, Texas Water Code; and

**WHEREAS**, the revised Management Plan is required to be certified as administratively complete by the Executive Administrator of the Texas Water Development Board as stated in Chapter 36.1072, Texas Water Code; and

**WHEREAS**, in 1991 the District annexed the Northwest portion of Howard County; and

**WHEREAS**, the District annexed the remaining part of Howard County in 2001 except Big Spring and the subdivisions surrounding it; and

**WHEREAS**, The Board of Directors of the District have determined that a revision of the existing Management Plan is warranted; and

**WHEREAS**, The Board of Directors of the District have determined that the revised Management Plan adequately addresses the requirements of Chapter 36.1071, Texas Water Code; and

**WHEREAS**, the revised Management Plan shall become effective on September 1, 2003, upon adoption by the Board of Directors of the District

and shall remain in effect until August 31, 2013, or until a revised Plan is adopted, whichever occurs first, therefore be it

**RESOLVED**, that the Board of Directors of the Permian Basin Underground Water Conservation District hereby adopt the revised Management Plan; and further

**RESOLVE** that this revised Management Plan shall become effective on September 1, 2003.

**Adopted this 21st day of August, 2003 by the Board of Directors of the Permian Basin Underground Water Conservation District.**

\_\_\_\_\_  
John Campbell, President

\_\_\_\_\_  
Rufus Tom, Secretary

State of Texas  
County of Martin

This instrument was acknowledged before me on the \_\_\_\_\_ day of \_\_\_\_\_, 2003.

\_\_\_\_\_  
Notary Public, State of Texas  
Notary's Name Printed:

\_\_\_\_\_  
Notary's Commission Expires:

# Table of Contents

<i>District Mission</i> .....	1
<i>Time Period For This Plan</i> .....	1
<i>Guiding Principles</i> .....	1
<i>General Description, Location and Extent</i> .....	3
<i>Groundwater Resources</i> .....	6
<i>Ogallala Aquifer</i> .....	6
<i>Edwards-Trinity (Plateau ) Aquifer</i> .....	9
<i>Surface Water Resources</i> .....	9
<i>Total Useable Amount of Groundwater</i> .....	11
<i>Historical Groundwater Use</i> .....	11
<i>Recharge of the Aquifer System</i> .....	13
<i>Projected Groundwater Supply and Demand</i> .....	13
<i>Management of Groundwater Resources</i> .....	16
<i>Drought Contingency Plan</i> .....	16
<i>Goals, Management Objectives and Performance Standards</i> .....	20
<i>Methods for Tracking the District’s Progress in Achieving Management</i> <i>Goals</i> .....	20
<i>Regional Planning</i> .....	17
<i>Goal 1.0 Encouraging the Most Efficient Use of Groundwater</i> .....	20
<i>Management Objectives – Water Level Monitoring</i> .....	20
<i>Laboratory Services</i> .....	21
<i>Goal 2.0 Controlling and Preventing Waste of Groundwater</i> .....	22
<i>Management Objectives – Well Permitting and Completion</i> .....	22
<i>Open or Uncovered Wells</i> .....	22
<i>Salt Water Disposal Well Monitoring</i> .....	23
<i>Goal 3.0 Enhance the Quantity of Groundwater by Conservation</i> .....	24
<i>Management Objectives – Conservation Through Public Education</i> .....	24
<i>Goal 4.0 Reduce Aquifer Use During Drought</i> .....	24
<i>Management Objectives – Drought Education</i> .....	24

## Table of Contents Cont.

<i>Goals Determined Not to be Applicable to District</i> .....	25
<i>References</i> .....	26

### List of Tables

<i>Table 1</i>	<i>Board of Directors of the Permian Basin Underground Water Conservation District</i> .....	3
<i>Table 2</i>	<i>Volume of Groundwater in Storage within the Permian Basin Underground Water Conservation District by Decade Period</i> .....	11
<i>Table 3</i>	<i>Estimated Groundwater Use by Category from 1974 – 2000 in the Permian Basin Underground Water Conservation District</i> .....	12
<i>Table 4</i>	<i>Projected Water Demand for the Permian Basin Underground Water Conservation District by Decade Period</i> .....	14
<i>Table 5</i>	<i>Projected Water Supplies for the Permian Basin Underground Water Conservation District by Decade Period</i> .....	15

## List of Figures

<i>Figure 1</i>	<i>Location of the Permian Basin Underground Water Conservation District</i>	<i>.....5</i>
<i>Figure 2</i>	<i>Aerial Extent of the Ogallala Aquifer</i>	<i>.....8</i>
<i>Figure 3</i>	<i>Aerial Extent of the Edward-Trinity (Plateau) Aquifer</i>	<i>.....10</i>
<i>Figure 4</i>	<i>Region F Water Planning Group</i>	<i>.....19</i>

## **District Mission Statement**

*The Permian Basin Underground Water Conservation District (the District) will develop, promote, and implement management strategies to provide for the conservation, preservation, protection, recharging, and prevention of waste of the groundwater resources, over which it has jurisdictional authority, for the benefit of the people that the District serves.*

## **Time Period for this Plan**

This plan becomes effective September 1, 2003, upon adoption by the Board of Directors (the Board) of the District and remains in effect until a revised plan is approved or until August 31, 2013, whichever is earlier.

## **Guiding Principles**

The District was formed, and has been operated from its inception, with the guiding belief that the ownership and pumpage of groundwater is a private property right. The Board will continue to support that right.

The Board is elected by the registered voters of the District, under the general Election laws of Texas. The rules promulgated to date by the Board were carefully thought out, were the result of specific needs, and were adopted after public input. These rules provide a fair and equitable opportunity for all water users to produce and use water from the aquifer for beneficial purposes. Interpretation and enforcement of the rules of the District are carried out by the District's staff, at the direction of the Board.

This management document is intended to be used as a tool to provide continuity in the management of the District. It will be used by the District staff as a guide to insure that all aspects of the goals of the District are carried out. It will be referred to by the Board for future planning, as well as a document to measure the performance of the staff on an annual basis. Conditions can change over time which may cause the Board to modify this document. The dynamic nature of this plan shall be maintained such that the District will continue to best serve the needs of the constituents. At the very least, the Board will review and readopt this plan every five years.

One's goals, management objectives, and performance standards must be set at an attainable level in order to be realistic and effective. Lofty ideals penned in an effort to be "*all things to all people*" can be the first step toward disaster.

Unreasonably elevated objectives foster potentially damaging results when the objective cannot be met due to a lack of resources; fiscal or technical. One's goals can also be set too low. Simplistic ideals can foster mediocrity. In both cases, the mission of the goal setting entity is thwarted and the benefactors of the same slighted. Although well meaning, when the failure to attain a goal is realized by those measuring performance, the initial response is to assume that those setting the goals were negligent in performing their duties when, in truth, the goals were unattainable from the start.

In the opinion of the Board, the goals, management objectives, and performance standards put forth in this planning document have been set at a reasonable level considering existing and future fiscal and technical resources. Conditions may change which could cause change in the management objectives defined to reach the stated goals. Whatever the future holds, the following guidelines will be used to insure that the management objectives are set at a sufficient level to be realistic and effective:

- The District's constituency will determine if the District's goals are set at a level that is both meaningful and attainable; through their voting right, the public will appraise the District's overall performance in the process of electing or re-electing Board members.
- The duly elected Board will guide and direct the District staff and will gauge the achievement of the goals set forth in this document.
- The interests and needs of the District's constituency shall control the direction of the management of the District.
- The Board will endeavor to maintain local control of the privately owned resource over which the District has jurisdictional authority.

### **General Description, Location and Extent**

The District was created on April 25, 1985 when Governor Mark White signed HB 2382, 69<sup>th</sup> Legislature, in to law. The District was confirmed by voter approval, the initial Board elected, and an ad valorem tax rate cap of \$0.02/\$100 valuation was set in an election held in September 1985. Table 1 lists the current Board of Directors, office held, County served, and term.

**Table 1: Board of Directors of the Permian Basin Underground Water Conservation District:**

Office	Name	County	Term Ends
President	John Campbell	Martin	August 2006
Member	Vacant		
Vice-President	D.L. Newton	Howard	August 2004
Secretary	Rufus Tom	Martin	August 2006
Member	Lloyd Robinson	Howard	August 2004

Originally, the jurisdictional extent of the District was the same as Martin County, Texas. However, in 1991, the voters in the northwest portion of Howard County approved the annexation of that portion of their county into the District.

In 2001 the District annexed all of Howard County Save and except City Limits of Big Spring, Texas also part of east half of Section 14 Block 33-1-South up to Rockhouse Road; thence eastward on Rockhouse Road to south Wasson Road; thence, southward along Wasson Road to Longshore Drive southward to Hwy 33, also being Garden City Highway then east along the north road of Hwy 33 to Hwy 87 thence southeasterly along south Hwy 87 to the southwest corner of Section 2 Block 32-2-South. Also the east corner of Wildfire Road. Then east along the bottom of Sections 1 and 2 Block 32-2- South to the southwest corner of Section 105 Waco & Northwest, thence along the south line of Section 105 to the eastside of Section 105, thence north to the northeast corner of Section 104, thence west along the south line of section 46 Block 32-1-South to the southeast corner of Section 45 Block 32-1-South, thence north along the section line to the northeast corner of Section 16 Block 32-1-South. Then along the north line of Section 16 Block 32-1-South to the northeast corner of Section 17 Block 32-1-South, thence south along the east line of Section 17 Block



32-1-South to the northeast corner of Section 20; thence west on Driver Road to the middle half of Section 18 Block 32-1-South; thence north westerly on Driver Road back to south Highway 87; thence north easterly back to south City Limits of Big Spring. Save and except from east City Limits of Big Spring eastward along Midway Road to Southeast corner of Section 47 Block 31-1- North; thence north to city limits of Coahoma, Texas being Section 48 Block 31-1-North. Thence the entire city limits of Coahoma, Texas. Thence west along railroad right-of-way back to the east city limits of Big Spring, Texas.

The District now covers approximately 1754 square miles of west Texas (Figure 1). Stanton, the county seat of Martin County, is the largest municipality in the District, having a population of 2576.

The District is bordered on the west by Andrews County, on the north by Dawson and Borden Counties, on the south by Midland and Glasscock Counties, and on the east by Mitchell County with Scurry County to the Northeast and Sterling County to the Southeast.

The economy of the District is predominated by the oil and gas industry and to a lesser extent by agriculture. The major agricultural products coming from the area include beef cattle, cotton and grain sorghum.

**Figure 1: Location of the Permian Basin Underground Water Conservation District**

## **Groundwater Resources**

The District has jurisdictional authority over all groundwater that lies within the District's boundaries. There are two major aquifers that occur within the District: the Ogallala and the Edwards-Trinity (Plateau). The following is a description of these formations that may be beneficial to District constituents by providing useable quantities of groundwater.

### **Ogallala Aquifer**

The Ogallala Aquifer is the primary source of groundwater in the District (Fig. 2). The aquifer extends from the ground surface downward, ranging in thickness from less than 20 feet to more than 100 feet in the area covered by the District.

The formation consists of heterogeneous sequences of clay, silt, sand and gravel. These sediments are thought to have been deposited by eastward flowing aggrading streams that filled and buried valleys eroded into pre-Ogallala rocks (Ashworth and Hopkins, 1995).

Water levels in the Ogallala Aquifer are primarily influenced by the rate of recharge to and discharge from the aquifer. Recharge to the aquifer occurs primarily by infiltration of precipitation falling on the surface.

Groundwater in the aquifer generally flows from northwest to southeast, normally at right angles to water level contours. Velocities of less than one foot per day are typical, but higher velocities may occur along filled erosion valleys where coarser grained deposits have greater permeabilities.

Discharge from the Ogallala aquifer within the District occurs through the pumping of wells; primarily irrigation wells. Groundwater pumpage typically exceeds recharge and results in water-level declines (Ashworth and Hopkins, 1995).

The chemical quality of Ogallala groundwater varies greatly across the District. Electrical conductance (EC) varies from less than 1.0 dS/m to over 4.0 dS/m. The suitability of groundwater for irrigation purposes is largely dependent on the chemical composition of the water and is determined primarily by the total concentration of soluble salts.

### **Edwards – Trinity (Plateau) Aquifer**

The Edward –Trinity (Plateau) Aquifer underlies a small portion of east central and southern Martin County as well as the eastern portions of Howard County within the District (Fig. 3). The aquifer consists of saturated sediments of lower Cretaceous age Trinity Group formations and overlying limestones and dolomites of the Edwards formations.

Chemical quality of the Edwards – Trinity (Plateau) water ranges from fresh to slightly saline. The water is typically hard and may vary widely in concentrations of dissolved solids made up mostly of calcium and bicarbonate. There is little pumpage from the aquifer, and water levels remain relatively constant.

## **Surface Water Resources**

The only fresh surface waters occurring within the District are manmade stock tanks. The stock tanks play an important role in the watering of wildlife as well as livestock within the District.

Perhaps the most significant surface water resource of benefit to the District is water pumped from the Colorado River watershed to the City of Stanton. The Colorado River Municipal Water District is under contract to provide up to 2 million gallons per day of water to the city through their extensive pipeline system.

## **Total Useable Amount of Groundwater**

For the purposes of this plan, to meet the requirements of 36.1072(e) (3) (A), Texas Water Code, and until more accurate data becomes available, we will assume that all of the groundwater underlying the District was useable in 2000 even though we suspect that not to be the case. Table 2 shows the TWDB estimation of the volume of groundwater in storage projected to the year 2050 for Martin County, Texas, and a portion of Howard County, Texas; the combination of which makes up the District. Please note that the information shown should be used only as a guide, and becomes less and less representative of actual conditions which will prevail the farther one looks into the future.

**Table 2: Volume of Groundwater in Storage within the Permian Basin Underground Water Conservation District by decade period. (Adapted from GAMS Model)**

<b>County</b>	<b>2000</b>	<b>2010</b>	<b>2020</b>	<b>2030</b>	<b>2040</b>	<b>2050</b>
<b>Martin and Howard</b>	<b>9.45</b>	<b>8.97</b>	<b>8.50</b>	<b>8.48</b>	<b>8.45</b>	<b>8.43</b>

\* Volume expressed in millions of acre-feet

\*\* Percentage portion of county total

## **Historical Groundwater Use**

For the purposes of this plan, the following estimations (Table 3) of the historical quantity of groundwater used in the area served by the District will be used as a guide to estimate future demands on the resource in the District. It should be emphasized that the quantities shown are estimates.

## **Recharge of the Aquifer System**

Recharge of the aquifer system in the District occurs primarily from infiltration of precipitation falling on the land surface. The TWDB estimates that, within the District, the annual recharge rate is 11,790 acre-feet per year ( GAMS Model ).

## **Projected Groundwater Supply and Demand**

Projecting groundwater supply and demand is an arduous process. In order to make such projections, one must predict trends of groundwater use. Assumptions must be made regarding population changes, changing agricultural cropping strategies, economic development patterns, and future weather patterns. Naturally, the farther into the future one projects, the less accurate the projections become.

For the purposes of this plan, the following demand and supply figures shown in Tables 4 and 5 respectively will be used. The figures were derived from numbers supplied by the TWDB.

## **Management of Groundwater Resources**

The District will endeavor to manage groundwater resources, over which it has jurisdictional authority, in order to conserve the resource while seeking to maintain the economic viability of the District's constituents. A water level monitoring network has been established in order to track changes in the total volume of groundwater in storage each year. The District will employ all technical resources at its disposal to monitor and evaluate the

groundwater resource and programs designed to encourage conservation of the same.

In July, 1992, the Board, after notice and hearing, adopted the rules of the District. The rules address conservation of the groundwater resources of the District. As conditions dictate, and with the approval of the constituents of the District, the Board will consider the modification of the rules to further the mission of the District. When considering modification or enforcement of the rules, the Board will base its decisions on the best technical evidence available. All constituents will be treated equally and fairly when applying the rules of the District.

### **Drought Contingency Plan**

From time-to-time, drought conditions exist on the Texas High Plains. In fact, many people have commented that this region is in a state of perpetual drought; the only difference being the severity of the condition from year-to-year due to very low average annual rainfall amounts. Drought response conservation measures typically used in other regions of Texas (i. e. rationing) cannot and are not used in this region due to extreme economic impact potential.

A contingency plan to cope with the effects of water supply deficits due to climatic or other conditions will be developed by the District and will be adopted by the Board after notice and hearing. In developing the contingency plan, the District will consider the economic effect of conservation measures upon all water resource user groups, the local implications of the degree and effect of changes in water storage conditions, the unique hydro geologic conditions of the aquifers within the District, and the appropriate conditions under which to implement the contingency plan.

### **Regional Planning**

Senate Bill 1 was passed by the 75<sup>th</sup> Texas Legislature in 1997 to address Texas water issues. This legislation put in place a grass roots planning process to plan for the water needs of the state for the next 50 years. To implement this planning process, the Texas Water Development Board (TWDB) created 16 planning regions across the state. Each regional plan is overseen by a regional water planning group consisting of representatives from 11 different interest groups. The District was included

in Region F, one of the water planning regions located in West Texas and covering 32 counties (see Figure 4).

At least one person was required to be appointed from each of the following user/interest groups:

Public	Counties
Municipalities	Industries
Agricultural	Environmental
Small Businesses	Electric Generating Utilities
River Authorities	Water Districts
Water Utilities	

### **Description of Region F**

Region F is located in the western part of the state that is generally rural with most of the population concentrated in cities and towns. There are three major metropolitan areas in the region: Midland, Odessa and San Angelo. Ranching, irrigated agriculture, and the oil and gas industry have historically dominated the regional economy and culture.

Most of Region F is located in the upper portion of the Colorado and Rio Grande Basins, with a small portion lying in the Brazos Basin. There are six major rivers and 17 water supply reservoirs that characterize the regional surface water hydrology. In addition, eleven aquifers lie within the region. Of these, six aquifers (Edwards-Trinity, Cenozoic Pecos Alluvium, Ogallala, Dockum, Hickory and Lipan Aquifers) provide a significant amount of water in the region. Twelve ground water conservation districts within Region F provide management of these ground water resources.

There are three entities that provide regional wholesale water service in Region F: the Colorado River Municipal Water District (CRMWD), Brown County Water Improvement District Number One (BCWID) and the Upper Colorado River Authority (UCRA). Cities and water supply corporations generally provide retail water supply to local customers.

Regional planning required under SB 1 will directly affect groundwater districts. By law, when a district's management plan is readopted by its Directors, the management plan must be modified so as not to be in conflict with the associated regional plan.

The Board supports Region F Planning group's efforts. The District will endeavor to be an active participant throughout the entire regional planning process to ensure that local control of groundwater resources is maintained and that there is no major conflict between the District's management plan and the regional planning document. However, the District agrees with the legislature that locally controlled groundwater districts are the state's preferred entity to manage groundwater.

## **Goals, Management Objectives and Performance Standards**

### **Method for Tracking the District's Progress in Achieving Management Goals**

The District staff will prepare an annual report of the District's performance with regard to achieving management goals and objectives. The report will be prepared in a format that will be reflective of the performance standards listed following each management objective. The report will be presented to the Board within 60 days of the end of each fiscal period. Additionally, estimates of fiscal resources expended in the accomplishment of each objective will be included in the report. The report will be maintained on file in the open records of the District.

The District will actively enforce all rules of the District in order to conserve, preserve, protect and prevent the waste of the groundwater resources over which the District has jurisdictional authority. The Board will periodically review the District's rules, and will modify the rules, with public approval, in order to more adequately manage the groundwater resources within the District and to carry out the duties prescribed in Chapter 36, Texas Water Code.

**Goal 1.0 Implement management strategies that will protect and enhance the quantity of useable quality groundwater by encouraging the most efficient use.**

#### **Management Objective -Water Level Monitoring:**

- 1.01 - Annually, measure the depth to water in 80% or more of the wells in the Districts' water level monitoring network; record all measurements and /or observations; enter all measurements into Districts' computer database; file all field**



**notes in filing system; maintain a network of measurement wells of 100 or more wells.**

**Performance Standards:**

- 1.01a - Percent of water level monitoring wells for which measurements were recorded each year.**
- 1.01b - Percent of water level monitoring wells for which field notes were written describing reason for inability to attain measurements each year.**
- 1.01c - Number of data records entered into Districts' database each year.**
- 1.01d - Number of water level measurement wells for which field notes are filed in Districts' filing system each year.**
- 1.01e - Number of wells in the water level measurement network each year.**
- 1.01f - Number of wells added to the network, if required, each year**

**Management Objective-Laboratory Services**

- 1.02 - On an annual basis at the request of the constituents of the District; provide basic water quality testing service to at least 80% of those requesting the service. Maintain a record of all tests performed by entering the results of all tests in the District's computer data base. Communicate results to Constituents requesting tests.**

**Performance Standards:**

- 1.02a - Percent of laboratory service requests fulfilled each year**
- 1.02b - Number of records entered into District's computer data**

base each year

**1.02c - Percent of results communicated to constituents requesting tests each year**

**Goal 2.0 Implement management strategies that will protect and enhance the quantity of usable quality groundwater by controlling and preventing waste.**

**Management Objective - Well Permitting and Well Completion:**

**2.01 - On an annual basis, at the request of the constituents of the District, issue water well drilling permits for drilling and completion of non-exempt water wells in the District. Inspect all well sites to be assured that the Districts' completion and spacing standards are met. Send a written notification to the well owner if the well fails to meet standards within 30 days of inspection. The Board will vote on final approval of the permit at the next regularly scheduled meeting after the well site has been inspected and District well completion standards have been met.**

**Performance Standards:**

**2.01a - Average number of days taken to issue drilling permit after request each year.**

**2.01b - Number of water well drilling permits issued each year.**

**2.01c - Number of well sites inspected after well completion each year.**

**2.01d - Number of well sites that fail to meet the standards of the District each year.**

**2.01e - Average number of days taken to mail notification letters each year.**

**Management Objective – Open or Uncovered Wells:**

**2.02 - Annually, the District will inspect all sites reported of open or uncovered wells to substantiate or refute that an open or uncovered well exists. If an open or uncovered well is found, the District will insure that the open hole is properly closed according to District rules and, in so doing, prevent potential contamination of the groundwater resource. The inspections shall be reported on forms provided by the District to track the progress of the well being closed. The District will contact the party responsible for the open or uncovered well within 30 days of the inspection form being filed. The site will be inspected within 45 days after owner or operator has been notified to determine if the well was closed. If the well was not closed a second notice will be mailed giving 30 days to close the open or uncovered well. If the well is not closed by the end of this period, the District will initiate legal procedures to close the well.**

**Performance Standards:**

**2.02a - Number of open or uncovered wells reported to the District each year.**

**2.02b - Number of initial inspections accomplished each year.**

**2.02c - Average number of days required to make initial contact with responsible party each year.**

**2.02d - Average number of days required to complete closure of open or uncovered wells each year.**

**2.02e - Percentage of wells that are closed in accordance with District rules each year as a result of the legal process.**

**Management Objective – Salt Water Disposal Well Monitoring:**

**2.03 - Annually, inspect 80% or more of the known salt water disposal wells located within the Districts' boundaries for**

**indications of pollution potential; record all findings at each well site; file all field notes in the Districts' filing system.**

**Performance Standards:**

**2.03a - Percent of salt water disposal well sites inspected each year.**

**2.03b - Percent of inspections for which field notes were recorded and filed each year.**

**Goal 3.0 Implement management strategies that will enhance the quantity of groundwater by conservation.**

**Management Objectives - Conservation through Public Education**

**3.01 -** On an annual basis the District will provide book covers to public schools within the District. The book covers will have a water conservation message to provide students ideas on how to conserve water.

**Performance Standard**

**3.01a -** The District will provide book covers to students at Forsan, Grady and Stanton Schools.

**3.01b -** The number of covers provided will be recorded

**Goal 4.0 Drought Conditions – Implement management strategies that will reduce use of the aquifer in times of drought conditions**

**Management Objective – Drought Education**

**4.01 -** The District will monitor the Palmer Drought Severity Index (PDSI) by the Texas Climatic Divisions. If PDSI indicates that the District is experiencing severe drought conditions, the District will start to educate the public on the need to reduce water use.

**Performance Standard**

**4.01a** - The District staff will monitor the PDSI quarterly. The index reading will be recorded.

**4.01b** - If the index shows severe drought, the District will send a press release to the Martin County Messenger and the Big Spring Herald newspapers. The article will stress the immediate need to reduce water use. It will provide conservation tips the public can implement in and around the home.

**4.01c** - The District will keep a copy of the published article from the newspaper.

### **Goals not Applicable**

The following goals referenced in Chapter 36, Texas Water Code, have been Determined not applicable to the District;

- TWC §36.1071 (a) (3) Controlling and preventing subsidence
- TWC §36.1071 (a) (4) Addressing conjunctive surface water management issues
- TWC §36.1071 (a) (5) Addressing natural resource issues

### **References**

Ashworth, J. B. and Hopkins, J., 1995, Aquifers of Texas: Texas Water Development Board Report 345, page 69.

Wade, Shirley; Petrossian, Rima; Ridgeway, Cindy; and Smith, Richard, 2003, Data supplied from the Texas Water Development Board GAMS Model.