

Middle Trinity Groundwater
Conservation District

Groundwater Management Plan

Middle Trinity Groundwater Conservation District

Groundwater Management Plan - 2004

I. District Mission

The mission of the Middle Trinity Groundwater Conservation District is to conserve, preserve and protect the quality and quantity of the groundwater resources for the citizens of Comanche and Erath Counties. To accomplish its Mission, the District will work to minimize the draw down of the water table, prevent the waste of groundwater, prevent interference between the wells, protect the existing and historic use of groundwater, prevent the degradation of the quality of groundwater, use public education to promote water conservation, give consideration the service needs of municipal water utilities and the agricultural community, and carry out the powers and duties conferred under Chapter 36 of the Texas Water Code. The District believes that the economy, environment, and quality of life will all be positively impacted by the achievement of its mission.

II. Purpose of Management Plan

The 75th Texas Legislature in 1997 enacted Senate Bill 1 (SB 1)¹ to establish a comprehensive statewide water planning process. In particular, SB 1 contained provisions that required groundwater conservation districts to prepare management plans to identify the water supply resources and water demands that will shape the decisions of each district. SB 1 designed the management plans to include management goals for each district to manage and conserve the groundwater resources within their boundaries. In 2001, the Texas Legislature enacted Senate Bill 2 (SB 2)² to build on the planning requirements of SB 1 and to further clarify the actions necessary for districts to manage and conserve the groundwater resources of the state of Texas.

The Middle Trinity Groundwater Conservation District s' management plan satisfies the requirements of SB 1, SB 2, the statutory requirements of Chapter 36 of the Texas Water Code, and the administrative requirements of the Texas Water Development Board s'(TWDB) rules.

¹ Act of June 2, 1997, 75th Leg., R.S., ch. 1010, 1997 Tex. Gen. Laws 3610.

² Act of May 27, 2001, 77th Leg., R.S., ch. 966, 2001 Tex. Gen. Laws 1991.

III. District Information

A. Creation

The District was created in 2001 pursuant to the authorization provided by the 77th Texas Legislature in House Bill 3665.³ The voters of both Comanche and Erath Counties confirmed the creation of the District on May 4, 2002. In compliance with 31 TAC § 356.3, this management plan is being submitted within two years of the confirmation election.⁴

B. Location and Extent

The District is located in the North Central Texas counties of Comanche County and Erath County. The boundaries of the District are coterminous with the boundaries of Comanche and Erath Counties. The District is bordered by Palo Pinto County on the north, Hood, Somervell, Bosque and Hamilton Counties on the east, Mills County on the south and Brown and Eastland Counties on the west. The District covers an area of approximately 2038 square miles.⁵

C. Background

The Board of Directors (Board) currently consists of 4 (four) members. The existing Board is made up of 2 (two) initial directors from Comanche County and 2 (two) initial directors from Erath County. After May 15, 2004, the Board will be made up of 6 (six) members with 3 (three) directors elected from Comanche County and 3 (three) directors elected from Erath County.

D. Authority / Regulatory Framework

In the process of creating its management plan the District has complied with all procedures and met all requirements established by Chapter 36 of the Texas Water Code and Chapter 356 of the Texas Water Development Board s' (TWDB) rules contained in Title 31 of the Texas Administrative Code.⁶ The District exercises the authority and powers that it was granted by and through the special and general laws that govern it, including Chapter 1362, Acts of the 77th Texas Legislature, Regular Session, 2001; Chapter 893, Acts of the 78th Texas Legislature, Regular Session, 2003; and Chapter 36 of the Texas Water Code.

³ Act of May 25, 2001, 77th Leg. R.S., ch. 1362, 2001 Tex. Gen. Laws 3371.

⁴ 31 TEX. ADMIN. CODE § 356.3

⁵ Texas Almanac, 2002-2003, The Dallas Morning News.

⁶ 31 TEX. ADMIN. CODE §§ 356

E. Groundwater Resources of Comanche and Erath Counties

Comanche and Erath Counties are located primarily over the outcrop of the Trinity aquifer. A Texas Water Development Board diagram of the Trinity Aquifer can be found at Appendix A. The Texas Water Development Board describes the groundwater resources of the Trinity Aquifer as follows:

The Trinity aquifer consists of early Cretaceous age formations of the Trinity Group where they occur in a band extending through the central part of the state in all or parts of 55 counties, from the Red River in North Texas to the Hill Country of South-Central Texas. Trinity Group deposits also occur in the Panhandle and Edwards Plateau regions where they are included as part of the Edwards-Trinity (High Plains and Plateau) aquifers.

Formations comprising the Trinity Group are (from youngest to oldest) the Paluxy, Glen Rose, and Twin Mountains-Travis Peak. Updip, where the Glen Rose thins or is missing, the Paluxy and Twin Mountains coalesce to form the Antlers Formation. The Antlers consists of up to 900 feet of sand and gravel, with clay beds in the middle section. Water from the Antlers is mainly used for irrigation in the outcrop area of North and Central Texas.

Forming the upper unit of the Trinity Group, the Paluxy Formation consists of up to 400 feet of predominantly fine-to-coarse-grained sand interbedded with clay and shale. The formation pinches out downdip and does not occur south of the Colorado River.

Underlying the Paluxy, the Glen Rose Formation forms a gulfward-thickening wedge of marine carbonates consisting primarily of limestone. South of the Colorado River, the Glen Rose is the upper unit of the Trinity Group and is divisible into an upper and lower member. In the north, the downdip portion of the aquifer becomes highly mineralized and is a source of contamination to wells that are drilled into the underlying Twin Mountains.

The basal unit of the Trinity Group consists of the Twin Mountains and Travis Peak formations, which are laterally separated by a facies change. To the north, the Twin Mountains formation consists mainly of medium- to coarse-grained sands, silty clays, and conglomerates. The Twin Mountains is the most prolific of the Trinity aquifers in North-Central Texas; however, the quality of the water is generally not as good as that from the Paluxy or Antlers Formations. To the south, the Travis Peak Formation contains calcareous sands and silts, conglomerates, and limestones. The formation is subdivided into the following members in descending order: Hensell, Pearsall, Cow Creek, Hammett, Sligo, Hosston, and Sycamore.

Extensive development of the Trinity aquifer has occurred in the Fort Worth-Dallas region where water levels have historically dropped as much as 550 feet. Since the mid-1970s, many public supply wells have been abandoned in favor of a surface-water supply, and water levels have responded with slight rises. Water-level declines of as much as 100 feet are still occurring in Denton and Johnson counties. The Trinity aquifer

is most extensively developed from the Hensell and Hosston members in the Waco area, where the water level has declined by as much as 400 feet. ⁷

IV. Technical District Information Required by Texas Administrative Code

A. Estimate of Total Usable Amount of Groundwater in District 31 TAC § 356(a)(5)(A)

The amount of useable groundwater available within the District is 42,141 acre-feet per year. The estimate of useable groundwater available was determined by the Board after considering information such as the groundwater availability data from Table 3-15 of the 2001 Region G (Brazos G), Regional Water Plan. The estimate is based on an estimate of the rate of annual recharge in the outcrop areas of the Trinity Aquifer within the District. The recharge estimate was based upon an assumption of 1.75 percent of rainfall in Comanche County and 2 (two) percent of rainfall in Erath County. As additional technical and hydrogeological information is gathered by the District, the District will revise and update its management plan and the information contained therein to include the most up-to-date data available.

**TABLE 1: PROJECTED GROUNDWATER AVAILABILITY
MIDDLE TRINITY GROUNDWATER CONSERVATION DISTRICT**

COMANCHE COUNTY

Source Name	River Basin	2000	2010	2020	2030	2040	2050
Trinity Aquifer	Brazos	21,940	21,940	21,940	21,940	21,940	21,940
Trinity Aquifer	Colorado	36	36	36	36	36	36
Total Projected Groundwater Availability in acre-feet per year =		21,976	21,976	21,976	21,976	21,976	21,976

ERATH COUNTY

Source Name	River Basin	2000	2010	2020	2030	2040	2050
Trinity Aquifer	Brazos	20,165	20,165	20,165	20,165	20,165	20,165
Total Projected Groundwater Availability in acre-feet per year =		20,165	20,165	20,165	20,165	20,165	20,165

Total Projected Groundwater Availability (acre-feet per year) for the Middle Trinity GCD =	42,141	42,141	42,141	42,141	42,141	42,141	42,141
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⁷ Aquifers of Texas, Texas Water Development Board, Report 345, by Ashworth and Hopkins, November 1995.

**B. Amount of Groundwater Being Used within the District on an Annual Basis -
31 TAC §356.5(a)(5)(B)**

**ESTIMATED GROUNDWATER PUMPAGE (acre-feet)
MIDDLE TRINITY GROUNDWATER CONSERVATION DISTRICT**

COMANCHE COUNTY

Aquifer Name	Year	Municipal	Manufacturing	Power	Mining	Irrigation	Livestock	Total
Trinity	1980	727	7	0	0	10,000	583	11,317
	1984	812	24	0	79	22,583	386	23,884
	1985	808	22	0	79	22,500	315	23,724
	1986	777	18	0	83	21,875	369	23,122
	1987	763	4	0	70	21,250	350	22,437
	1988	726	3	0	77	20,000	324	21,130
	1989	855	3	0	74	28,827	353	30,112
	1990	869	3	0	74	25,313	470	26,729
	1991	858	3	0	80	23,250	468	24,659
	1992	848	9	0	80	32,060	636	33,633
	1993	919	5	0	80	28,162	690	29,856
	1994	861	5	0	80	27,329	727	29,002
	1995	845	4	0	80	25,667	799	27,395
	1996	853	1	0	80	17,575	718	19,227
	1997	903	3	0	80	17,099	808	18, 893
	1998	971	2	0	80	21,276	742	23,071
1999	880	2	0	80	19,237	809	21,008	
2000	901	2	0	80	13,515	851	15,349	

ERATH COUNTY

Aquifer Name	Year	Municipal	Manufacturing	Power	Mining	Irrigation	Livestock	Total
Trinity	1980	3,487	0	0	0	9,000	1,216	13,703
	1985	3,533	16	0	0	7,010	1,377	11,936
	1986	3,525	13	0	0	5,022	1,530	10,090
	1987	3,806	15	0	0	4,864	1,330	10,015
	1988	3,993	15	0	0	5,122	1,086	10,216
	1989	3,900	10	0	0	9,174	1,201	14,285
	1990	3,760	12	0	0	7,376	2,949	14,097
	1991	3,651	1	0	0	4,404	2,998	11,054
	1992	3,573	51	0	0	5,939	3,700	13,263
	1993	3,710	48	0	0	15,253	3,996	23,007
	1994	3,646	89	0	0	11,878	4,607	20,220
	1995	3,656	138	0	0	11,578	4,914	20,286
	1996	3,960	104	0	0	12,463	4,865	21,392
	1997	3,770	102	0	0	7,736	4,999	16,607
	1998	4,179	0	0	0	7,437	4,529	16,145
1999	4,194	0	0	0	8,623	4,749	17,566	
2000	4,235	0	0	0	10,261	4,660	19,156	

Table 1 Amount of Groundwater Used in Each Category of Use in the Annual Texas Water Development Board (TWDB) Water User Surveys

Note: The amounts provided in Section B reflect the most recent information available from the Texas Water Development Board. As additional technical and hydrogeological information is gathered by the District, the District will revise and update its management plan and the information contained therein to include the most up-to-date data available.

C. Annual Amount of Recharge to the Groundwater Resources within the District 31 TAC § 356.5(a)(5)(C)

The estimated amount of annual recharge in the outcrop areas of the Trinity Aquifer within the District is 42,141 acre-feet. The estimated amount of recharge was derived from information provided in the 2001 Regional Water Plan for Region G (Brazos G). The recharge estimate was based upon an assumption of 1.75 percent of rainfall in Comanche County and 2 (two) percent of rainfall in Erath County. As additional technical and hydrogeological information is gathered by the District, the District will revise and update its management plan and the information contained therein to include the most up-to-date data available.

D. How Natural or Artificial Recharge of Groundwater within the District Might be Increased - 31 TAC § 356.5(a)(5)(C)

Brush Management: The eradication of mesquite, juniper and ceniza from areas of moderate to heavy brush canopy would yield additional groundwater supplies.

Groundwater Recharge Structures: Structures designed to collect or impound surface water in canyons and streambeds cut into fractured rock may increase the volume of water available for recharge by slowing the amount of surface runoff during flood events.

E. Projected Water Supply within the District 31 TAC § 356.5(a)(5)(D)

**TABLE 2: PROJECTED WATER SUPPLY
MIDDLE TRINITY GROUNDWATER CONSERVATION DISTRICT**

COMANCHE COUNTY

WUG	River Basin	Source Type	Source Name	2000	2010	2020	2030	2040	2050
Comanche	Brazos	Surface Water	Brazos River Authority System	695	664	645	643	638	651
De Leon	Brazos	Surface Water	Brazos River Authority System	344	330	317	315	312	318
County-Other	Brazos	Groundwater	Trinity Aquifer	1,023	1,023	1,023	1,023	1,023	1,023
County-Other	Colorado	Groundwater	Trinity Aquifer	14	14	14	14	14	14
County-Other	Brazos	Surface Water	Mercer Creek Run-Of-River	200	200	200	200	200	200
County-Other	Brazos	Surface Water	Brazos River Authority System	1,477	1,533	1,590	1,619	1,648	1,635
County-Other	Brazos	Surface Water	Brazos River Authority System	1	1	1	1	1	1
Irrigation	Brazos	Surface Water	Brazos River Authority System	11,342	10,270	10,270	10,270	10,270	10,270
Irrigation	Brazos	Surface Water	Irrigation Local Supply	4,932	4,932	4,932	4,932	4,932	4,932
Irrigation	Brazos	Groundwater	Trinity Aquifer	19,890	19,890	19,890	19,890	19,890	19,890
Livestock	Brazos	Groundwater	Trinity Aquifer	918	918	918	918	918	918
Livestock	Colorado	Groundwater	Trinity Aquifer	22	22	22	22	22	22
Livestock	Brazos	Surface Water	Livestock Local Supply	3,048	3,048	3,048	3,048	3,048	3,048
Livestock	Colorado	Surface Water	Livestock Local Supply	91	91	91	91	91	91
Manufacturing	Brazos	Surface Water	Brazos River Authority System	6	10	16	21	28	36
Manufacturing	Brazos	Surface Water	Moore Creek Run-Of-River	11	11	11	11	11	11
Manufacturing	Brazos	Groundwater	Trinity Aquifer	11	11	11	11	11	11
Mining	Brazos	Groundwater	Trinity Aquifer	98	98	98	98	98	98
Total Projected Water Supply in acre-feet per year =				44,123	43,066	43,097	43,127	43,155	43,169

ERATH COUNTY

WUG	River Basin	Source Type	Source Name	2000	2010	2020	2030	2040	2050
Dublin	Brazos	Surface Water	Brazos River Authority System	472	471	453	435	417	411
Stephenville	Brazos	Surface Water	Brazos River Authority System	0	0	0	0	0	0
Stephenville	Brazos	Groundwater	Trinity Aquifer	2,640	2,640	2,640	2,640	2,640	2,640
County-Other	Brazos	Groundwater	Trinity Aquifer	1,884	1,884	1,884	1,884	1,884	1,884
Irrigation	Brazos	Groundwater	Trinity Aquifer	9,397	9,397	9,397	9,397	9,397	9,397
Irrigation	Brazos	Surface Water	Irrigation Local Supply	3,881	3,881	3,881	3,881	3,881	3,881
Livestock	Brazos	Surface Water	Livestock Local Supply	7,400	7,400	7,400	7,400	7,400	7,400
Livestock	Brazos	Groundwater	Trinity Aquifer	6,073	6,073	6,073	6,073	6,073	6,073
Manufacturing	Brazos	Groundwater	Trinity Aquifer	171	171	171	171	171	171
Total Projected Water Supply in acre-feet per year =				31,918	31,917	31,899	31,881	31,863	31,857

Total Projected Water Supplies (acre-feet per year) for the Middle Trinity GCD =	76,041	74,983	74,996	75,008	75,018	75,026
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Table 2 Estimates of Projected Water Supplies in the District from 2001 Region G (Brazos G), Regional Water Plan

Note: The amounts provided in Section E. reflect the most recent information available from the Texas Water Development Board. As additional technical and hydrogeological information is gathered by the District, the District will revise and update its management plan and the information contained therein to include the most up-to-date data available.

F. Projected Water Demand within the District 31 TAC § 356.5(a)(5)(D)

**TABLE 3: PROJECTED WATER DEMAND
MIDDLE TRINITY GROUNDWATER CONSERVATION DISTRICT**

COMANCHE COUNTY

WUG	River Basin	Category	2000	2010	2020	2030	2040	2050
Comanche	Brazos	Municipal	695	664	645	643	638	651
De Leon	Brazos	Municipal	344	330	317	315	312	318
County-Other	Colorado	Municipal	9	9	9	8	8	8
County-Other	Brazos	Municipal	854	819	787	777	766	778
Irrigation	Brazos	Irrigation	50,102	49,585	49,073	48,567	48,065	47,569
Livestock	Colorado	Livestock	92	92	92	92	92	92
Livestock	Brazos	Livestock	3,089	3,089	3,089	3,089	3,089	3,089
Manufacturing	Brazos	Manufacturing	28	32	38	43	50	58
Mining	Brazos	Mining	87	86	89	92	95	98
Total Projected Water Demands in acre-feet per year =			55,300	54,706	54,139	53,626	53,115	52,661

ERATH COUNTY

WUG	River Basin	Category	2000	2010	2020	2030	2040	2050
Dublin	Brazos	Municipal	472	471	453	435	417	411
Stephenville	Brazos	Municipal	3,238	3,570	3,877	4,178	4,390	4,539
County-Other	Brazos	Municipal	1,602	1,772	1,794	1,815	1,807	1,855
Irrigation	Brazos	Irrigation	9,563	9,423	9,285	9,150	9,016	8,884
Livestock	Brazos	Livestock	7,400	7,400	7,400	7,400	7,400	7,400
Manufacturing	Brazos	Manufacturing	95	103	109	113	129	141
Total Projected Water Demands in acre-feet per year =			22,370	22,739	22,918	23,091	23,159	23,230
Total Projected Water Demands (acre-feet per year) for the Middle Trinity GCD			77,670	77,445	77,057	76,717	76,274	75,891

Table 3 - Estimates of the Projected Water Demand in the District Through 2050 from 2001 Region G (Brazos G), Regional Water Plan

Note: The amounts provided in Section F. reflect the most recent information available from the Texas Water Development Board. As additional technical and hydrogeological information is gathered by the District, the District will revise and update its management plan and the information contained therein to include the most up-to-date data available.

V. Management of Groundwater Supplies 31 TAC § 356.5(a)(6)

The Texas Legislature has established that groundwater conservation districts (districts),' such as the Middle Trinity Groundwater Conservation District (District),' are the state s 'preferred method of groundwater management. The Texas Legislature codified its policy decision in Section 36.0015 of the Texas Water Code, which establishes that districts will manage groundwater resources through rules developed and implemented in accordance with Chapter 36 of the Texas Water Code (Chapter 36).' Chapter 36 gives directives to districts and the statutory authority to carry out such directives, so that districts are given the proper tools to protect and manage the groundwater resources within their boundaries.

The District will use the regulatory tools it has been provided by Chapter 36 and the Texas Legislature to address the many challenges facing the District including the significant threats to the water quality of the groundwater resources of the District. The District places a major priority on prevention of the contamination of its groundwater resources through abandoned and deteriorated water wells. Wells that have been abandoned or not properly maintained provide direct conduits or pathways that allow contamination from the surface to quickly reach the groundwater resources of the District. To address the threats to the water quality of its groundwater resources, the District intends to take several steps to increase the number of abandoned or deteriorated water wells that are plugged. It is the District's intention to create a well plugging grant program with District funds which would provide funding on an as-available basis for residents of Comanche and Erath Counties to plug the abandoned and deteriorated wells that are located on their property. In addition, the District is planning to require, through the District's proposed rules, that all abandoned, deteriorated, or replaced wells be plugged in compliance with the Water Well Drillers and Pump Installers Rules of the Texas Department of Licensing and Regulation. The District has also places a priority on the capping of water wells which will be used a later date in order to eliminate waste, prevent pollution, and prevent further deterioration of the well casing.

It is also the intent of the District to use the regulatory tools granted to districts by Chapter 36 to preserve and protect the existing and historic users of groundwater in the District. The legislature empowered the District to protect existing users of groundwater, which are those individuals or entities currently invested in and using groundwater or the groundwater resources within the District for a beneficial purpose, and preserve historic use by historic users, which are those individuals or entities who used groundwater beneficially in the past. The District strives to protect and preserve such use to the extent practicable under the goals and objectives of this Management Plan.

It is the District's goal to create a permitting process for groundwater use that preserves and protects the existing and historic use of groundwater in the District. Pursuant to legislative authority, such as Section 36.113(e) of the Texas Water Code, the District will protect existing use by imposing more restrictive permit conditions on new permit applications and increased use by historic users. In protecting existing users, the District will establish limitations that apply to all subsequent new permit applications and increased use by historic users, regardless of type or location of use, which bear a reasonable relationship to this Management Plan; and are reasonably necessary to protect existing use. In accordance with Section 36.116(b), Water Code, the District will also preserve historic use when developing and implementing rules limiting

groundwater production to the maximum extent practicable consistent with this Management Plan. Under the District's proposed permitting process, non-exempt groundwater users who have existing or historic use will receive Grandfather Permits, while all new groundwater users and those existing and historic users who need an increased amount of groundwater production through new wells or modifications to existing wells will obtain Operating Permits.

The Grandfather Permits issued by the District under the proposed rules have an important role as part of the District's overall permitting process and Permit Retirement Program. Grandfather Permits will be designated as either "Active Well Grandfather Permits" or "Inactive Well Grandfather Permits" based on the operational status of the water well to be permitted. The District will issue Operating Permits for the water wells in the District that meet certain criteria including those wells that have not received a Grandfather Permit and those water wells that will be drilled and will produce groundwater for the first time after the date of adoption of the rules of the District. In accordance with § 36.116 of the Texas Water Code, the proposed rules of the District will regulate the production of groundwater under Operating Permits issued by the District through spacing and production limits.

Another significant component of the District's permitting process under the proposed District rules is the Retirement Program for Inactive Well Grandfather Permits. After providing proper notice and hearing, the Board may establish a date as the Date of Permit Retirement. The Date of Permit Retirement may be designated by the Board when the Board has determined that there is an insufficient amount of groundwater available in the District for the issuance of new Operating Permits. On the Date of Permit Retirement, the District, under the proposed rules, may retire certain Inactive Well Grandfather Permits so that no well that is permitted under an Inactive Well Grandfather Permit may be operated in the future without the well owner first obtaining an Operating Permit. The amount of groundwater allocated by the District to water wells operated under the retired Inactive Well Grandfather Permits will then be available for allocation and use under Operating Permits. To ensure that Grandfather Permits reflect the most accurate status of the wells that are permitted, the District will distribute Groundwater Well Status Reports to all persons and entities who have been granted Grandfather Permits.

VI. Methodology to Track District Progress in Achieving Management Goals 31 TAC § 356.5(a)(6)

An annual report (Annual Report) will be created by the general manager and staff of the District and provided to the members of the Board of the District. The Annual Report will cover the activities of the District including information on the District s performance in regards to achieving the District s management goals and objectives. The Annual Report will be delivered to the Board within ninety (90) days following the completion of the District s fiscal year, beginning with the fiscal year that starts on January 1, 2005. A copy of the Annual Report will be kept on file and available for public inspection at the District s offices upon adoption.

VII. Actions, Procedures, Performance, and Avoidance for District Implementation of Management Plan 31 TAC § 356.5 (a)(4)

The District will act on the goals and directives established in this management plan. The District will also use the objectives and provisions of the management plan as a guideline in its

policy-implementation and decision-making. In both its daily operations and long term planning efforts, the District will continuously strive to comply with the initiatives and standards created by the management plan for the District.

After receiving public input, the District will adopt rules in accordance with Chapter 36 of the Texas Water Code and all rules will be followed and enforced. The District may amend the District rules as necessary to comply with changes to Chapter 36 of the Texas Water Code and to insure the best management of the groundwater within the District. The development and enforcement of the rules of the District will be based on the best scientific and technical evidence available to the District.

The District will encourage public cooperation and coordination in the implementation of the management plan for the District. All operations and activities of the District will be performed in a manner that best encourages cooperation with the appropriate state, regional or local water entity. The meetings of the Board of the District will be noticed and conducted at all times in accordance with the Texas Open Meetings Law. The District will also make available for public inspection all official documents, reports, records and minutes of the District pursuant with the Texas Public Information Act.

VIII. Management Goals

A. Providing the Most Efficient Use of Groundwater 31 TAC § 356.5(a)(1)(A)

- A. 1. Objective** Annually, the District will require all new water wells that are constructed within the boundaries of the District to be registered with the District pursuant to the District Rules.
- A. 1. Performance Standard** -The number of water wells registered by the District for each year will be included in the Annual Report submitted to the Board of Directors of the District.
- A. 2. Objective** -The District will annually require all water wells subject to the District s'permitting requirements to be permitted pursuant to the District Rules.
- A. 2. Performance Standard** -The number of water wells permitted by the District for each year will be included in the Annual Report submitted to the Board of Directors of the District.
- A. 3. Objective** -The District will annually regulate the production of groundwater by maintaining a system of permitting which authorizes the use and production of groundwater within the boundaries of the District pursuant to the District Rules.
- A. 3. Performance Standard** -The District will annually accept and process applications for the permitted use of groundwater in the District in accordance with the permitting system established by the District Rules.

The number and type of applications made for the permitted use of groundwater in the District, and the number and type of permits issued by the District, will be included in the Annual Report given to the Board of Directors.

A.4. Objective –The District will annually attempt to increase the public awareness regarding the purpose, objectives, and mission of the District.

A.4. Performance Standard –The District will provide at least two of the following on annual basis: informational presentations to public service organizations or community groups; informational radio spots; or manned kiosks at public expositions.

B. Controlling and Preventing Waste of Groundwater 31 TAC § 356.5(a)(1)(B)

B. 1. Objective –Each year, the District will evaluate the District Rules to identify whether any amendments are needed to reduce the amount of waste of groundwater within the boundaries of the District.

B. 1. Performance Standard –The District will include a discussion of the annual evaluation of the District Rules and the determination of whether any amendments to the rules are needed to prevent the waste of groundwater in the Annual Report of the District provided to the Board of Directors.

B. 2. Objective –The District will annually provide information to the public on eliminating and reducing wasteful practices in the use of groundwater by providing information on groundwater waste reduction on the District s’ website.

B. 2. Performance Standard –On an annual basis, a copy of the information provided on the groundwater waste reduction page of District s’ website will be included in the District s’ Annual Report to be provided to the District s Board of Directors.

B.3. Objective –Each year, the District will require the plugging of at least 1 (one) deteriorated or abandoned well identified by the District in accordance with the Texas Department of Licensing and Regulation, Water Well Drillers and Pump Installers Rules (16 Texas Administrative Code, Chapter 76).

B.3. Performance Standard –Each year, the District will produce a report that describes the activities of the District in plugging a deteriorated or abandoned water well identified by the District which will be included in the Annual Report given to the Board of Directors of the District.

B.4. Objective - The District will submit a request to the Texas Railroad Commission by the end of fiscal year 2004 asking for the location of existing salt water or waste disposal injection wells which have been permitted by the Texas Railroad Commission within the District.

B.4. Performance Standard - A copy of the request letter that was submitted to the Texas Railroad Commission asking for the location of existing salt water or waste disposal wells permitted to operate within the District will be included in the Annual Report submitted to the Board of Directors of the District for fiscal year 2004.

B.5. Objective -The District will provide an annual request to the Texas Railroad Commission which asks whether any new salt water or waste disposal injection wells have been permitted by the Texas Railroad Commission to operate within the District.

B.5. Performance Standard -A copy of the correspondence provided to the Texas Railroad Commission on an annual basis which requests information regarding the location of any new salt water or waste disposal wells permitted to operate within the District will be included in the Annual Report submitted to the Board of Directors of the District.

B.6. Objective -The District will transmit an annual request to the Texas Railroad Commission which requests that the Commission provide a copy of the results of integrity tests performed on salt water or waste disposal injection wells permitted by the Texas Railroad Commission to operate within the District.

B.6. Performance Standard -A copy of the letter sent to the Texas Railroad Commission on an annual basis requesting the results of the integrity testing performed on salt water or waste disposal injection wells permitted by the Texas Railroad Commission to operate within the District will be included in the Annual Report submitted to the Board of Directors of the District.

C. Conjunctive Surface Water Management Issues 31 TAC § 356.5(a)(1)(D)

C. 1. Objective -Each year, the District will participate in the regional planning process by attending at least 25 percent of the Region G (Brazos G) -Regional Water Planning Group meetings to encourage the development of surface water supplies to meet the needs of water user groups in the District.

C. 1. Performance Standard -The attendance of a District representative at any Region G Regional Water Planning Group meeting will be noted in the Annual Report presented to the District Board of Directors.

D. Drought Conditions 31 TAC § 356.5(a)(1)(F)

D. 1. Objective –On a monthly basis, the District will download the updated Palmer Drought Severity Index (PDSI) map and check for the periodic updates to the Drought Preparedness Council Situation Report (Situation Report) posted on the Texas Water Information Network website www.txwin.net.

D. 1. Performance Standard Quarterly, the District will make an assessment of the status of drought in the District and prepare a quarterly briefing to the Board of Directors. The downloaded PDSI maps and Situation Reports will be included with copies of the quarterly briefing in the District Annual Report that is provided to the Board of Directors.

E. Conservation 31 TAC § 356.5(a)(1)(G)

E. 1. Objective –The District will submit an article regarding water conservation for publication each year to at least one newspaper of general circulation in Comanche and Erath Counties.

E. 1. Performance Standard A copy of the article submitted by the District for publication to a newspaper of general circulation in Comanche and Erath Counties regarding water conservation will be included in the Annual Report given to the Board of Directors.

E. 2. Objective –The District will develop or implement a pre-existing educational program for use in public or private schools in Comanche and Erath Counties to educate students on the importance of water conservation by June 1, 2005.

E. 2. Performance Standard –A description of the educational program developed or implemented by the District for use in the public and private schools in Comanche and Erath Counties will be included in the Annual Report to the Board of Directors for the year 2005.

E. 3. Objective –On an bi-annual basis, the District will include an informational flier on water conservation within at least one mail-out to permit holders distributed in the normal course of business for the District.

E. 3. Performance Standard –The District s’Annual Report will include a copy of the most recent informational flier distributed to permit holders regarding water conservation and identify the number of fliers distributed.

IX. Management Goals Not-Applicable to District

A. Controlling and Preventing Subsidence 31 TAC § 356.5(a)(1)(C) The District has not been advised as to any issues with subsidence that exist within the boundaries of the District.

B. Natural Resource Issues 31 TAC § 356.5(a)(1)(E) The District has not been advised as to any threatened or endangered species that exist within the boundaries of the District and are significantly impacted by groundwater usage.

X. Action Required for Plan Certification 31 TAC § 356.6

A. Planning Period 31 TAC § 356.5(a)

The management plan for the District was adopted by Board resolution on _____, 2004. The management plan was designed to remain in effect for ten years from the date of certification as administratively complete by the Texas Water Development Board (TWDB).’ The current management plan for the District will remain in effect unless the District chooses to adopt an amended management plan that is certified by the TWDB. The amended management plan will become effective as of the date of certification by the TWDB. To comply with the requirements of Chapter 36 of the Texas Water Code, the District will review its existing management plan annually and readopt the management plan with or without revisions at least every five years.⁸

B. Certified Copy of District s’Resolution Adopting Management Plan –31 TAC § 356.6(a)(2)

A certified copy of the District s’resolution adopting the plan is located in Appendix B – District Resolution.

C. Evidence of Management Plan Adoption After Notice and Hearing 31 TAC § 356.6(a)(3)

Evidence, such as public notices, that the management plan was adopted following applicable public meetings and hearings is located in Appendix C- Notice of Meetings.

D. Coordination with Surface Water Management Entities –31 TAC § 356.6(a)(4)

Evidence, such as correspondence with regional water planning groups and/or other surface water authorities or management entities, which demonstrates that the District coordinated with surface water management entities in regards to the District s’ management plan is located in AppendixD.

⁸ TEX. WATER CODE ANN. § 36.1072(e) (Vernon 2000 & Supp. 2003).

References

1. 2001 Regional Water Management Plan, Region G Regional Water Planning Group.
2. *Aquifers of Texas*, Texas Water Development Board, Report 345, by Ashworth and Hopkins, November 1995.
3. Texas Almanac 2002-2003, The Dallas Morning News

APPENDIX A

APPENDIX B

APPENDIX C

APPENDIX D