LONE STAR

GROUNDWATER CONSERVATION DISTRICT

# *GROUNDWATER MANAGEMENT PLAN*

*Adopted October 14, 2003*

# LONE STAR GROUNDWATER CONSERVATION DISTRICT

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# Lone Star Groundwater Conservation District

# Groundwater Management Plan

Adopted October 14, 2003

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# Lone Star Groundwater Conservation District

# Groundwater Management Plan

## I. District Mission

The Lone Star Groundwater Conservation District (the "District") is committed to managing and protecting the groundwater resources of Montgomery County and to working with others to ensure a sustainable, adequate, high quality and cost effective supply of water. The District will strive to develop, promote, and implement water conservation, augmentation, and management strategies to protect water resources for the benefit of the citizens, economy, and environment of Montgomery County. The preservation of this most valuable resource can be managed in a prudent and cost-effective manner through conservation, education, management, and permitting. Any action taken by the District shall only be after full consideration and respect has been afforded to the individual property rights of all citizens of Montgomery County.

## 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 Lone Star 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

In 2001, the creation of the District was authorized by the 77th Texas Legislature through House Bill 2362[3]. The creation of the District was confirmed by the voters of Montgomery County on November 6, 2001, with 73.85 percent of the voters casting favorable ballots. As required by 31 TAC § 356.3, this management plan is being submitted within two years of the confirmation election.

### B. Location and Extent

The District is located in Montgomery County in southeastern Texas. The boundaries of the District are coterminous with the boundaries of Montgomery County, Texas. The District is bordered by Walker County on the north, San Jacinto and Liberty Counties on the east, Harris County on the south, and Waller and Grimes Counties on the west. Peach Creek is the boundary with San Jacinto County, and Spring Creek forms most of the boundary with Harris County. The District comprises an area of approximately 1,090 square miles.

### C. Background

The Board of Directors for the District consists of nine members. The Board of Directors is made up of the following members:

1. two members appointed by the Commissioners Court of Montgomery County;
2. one member appointed by the Board of Directors of the Montgomery County Soil and Water Conservation District;
3. one member appointed by the Board of Directors of the San Jacinto River Authority;
4. one member appointed by the Mayor of the City of Conroe;
5. one member appointed by the mayors of all of the incorporated municipalities, other than the City of Conroe, located in whole or in part in Montgomery County;
6. one member appointed by the Board of Trustees of the Woodlands Joint Powers Agency;
7. one member appointed by the boards of directors of all of the municipal utility districts located in whole or in part in Montgomery County that are not

[3] Chapter 1321, Acts of the 77th Legislature, Regular Session, 2001.

members of the Woodlands Joint Powers Agency and the district boundaries of which are located primarily to the east of Interstate Highway 45; and

8. One member appointed by the boards of directors of all of the municipal utility districts located in whole or in part in Montgomery County that are not members of the Woodlands Joint Powers Agency and the district boundaries of which are located primarily to the west of Interstate Highway 45.

## D. Authority / Regulatory Framework

In its preparation of its management plan, the District has followed all procedures and satisfied all requirements required by Chapter 36 of the Texas Water Code and Chapter 356 of the Texas Water Development Board's (TWDB) rules contained in Title 30 of the Texas Administrative Code. The District exercises the powers that it was granted and authorized to use by and through the special and general laws that govern it, including Chapter 1321, Acts of the 77th Legislature, Regular Session, 2001, Chapter 994, Acts of the 78th Legislature, Regular Session, 2003, and Chapter 36 of the Texas Water Code.

## E. Groundwater Resources of Montgomery County

The principal source of useable groundwater in Montgomery County is the Gulf Coast aquifer. The Gulf Coast aquifer consists of four subdivisions, of which three are water-bearing and recognized as aquifers in their own right: the Chicot aquifer; the Evangeline aquifer; and the Jasper aquifer. The Burkeville confining zone separates the Evangeline and Jasper aquifers.

The water-bearing subdivisions of the Gulf Coast aquifer consist of semi-consolidated or unconsolidated sands with interbedded clays from one or more geologic formations. Clay zones may separate the water-bearing zones in each subdivision of the Gulf Coast aquifer. The Burkeville confining zone is the largest of the clay zones separating water-bearing units in the Gulf Coast aquifer. In some areas, however, this subdivision consists of clay with interbedded sands that allow the passage of water. The Chicot aquifer is the youngest of the Gulf Coast aquifer subdivisions, followed by the Evangeline aquifer and the Burkeville confining zone. The Jasper aquifer is the oldest of the Gulf Coast aquifer subdivisions located in the District. (Fig.1)

Each of these Gulf Coast aquifer subdivisions occurs in outcrop in Montgomery County. The outcrop pattern is a series of belts, which are generally parallel to the coastline. The younger units occur nearest the coast and form a terraced plain. The successively older units crop out progressively further inland at higher elevations and form cuestas or sand hills.

The geologic structure of the Gulf Coast aquifer dips from the inland areas into the subsurface towards the coast at an angle greater than the slope of the land surface. The geologic units composing the Gulf Coast aquifer generally thicken towards the coast in the down-dip direction. The rate of dip in feet per mile increases with depth below land surface. The base of the Chicot aquifer dips at approximately 10 feet per mile while the rate of dip for the Catahoula Sand below the Jasper aquifer is approximately 90 feet per mile. The increased rate of dip with depth is caused by the thickening of geologic units towards the coast. (Popkin, 1971) (Fig. 2)

<table>
<tr><th>System</th><th>Series</th><th>Geologic Unit</th><th>Hydrologic Unit</th></tr>
<tr><td>Quaternary</td><td>Holocene</td><td>Alluvium</td><td rowspan="3">Chicot aquifer</td></tr>
<tr><td rowspan="5">Tertiary</td><td>Pleistocene</td><td>Beaumont Clay<br>Montgomery Formation<br>Bentley Formation</td></tr>
<tr><td>Pliocene (?)</td><td>Willis Sand</td></tr>
<tr><td>Pliocene</td><td>Goliad Sand</td><td rowspan="2">Evangeline aquifer</td></tr>
<tr><td rowspan="3">Miocene</td><td rowspan="3">Fleming Formation</td></tr>
<tr><td>Burkeville Confining Zone</td></tr>
<tr><td>Upper Jasper aquifer</td></tr>
<tr><td colspan="3"></td><td>Lower Jasper aquifer</td></tr>
</table>

Fig. 1, Geologic and Hydrologic Units of the Gulf Coast aquifer in Montgomery County, Modified (Popkin, 1971).

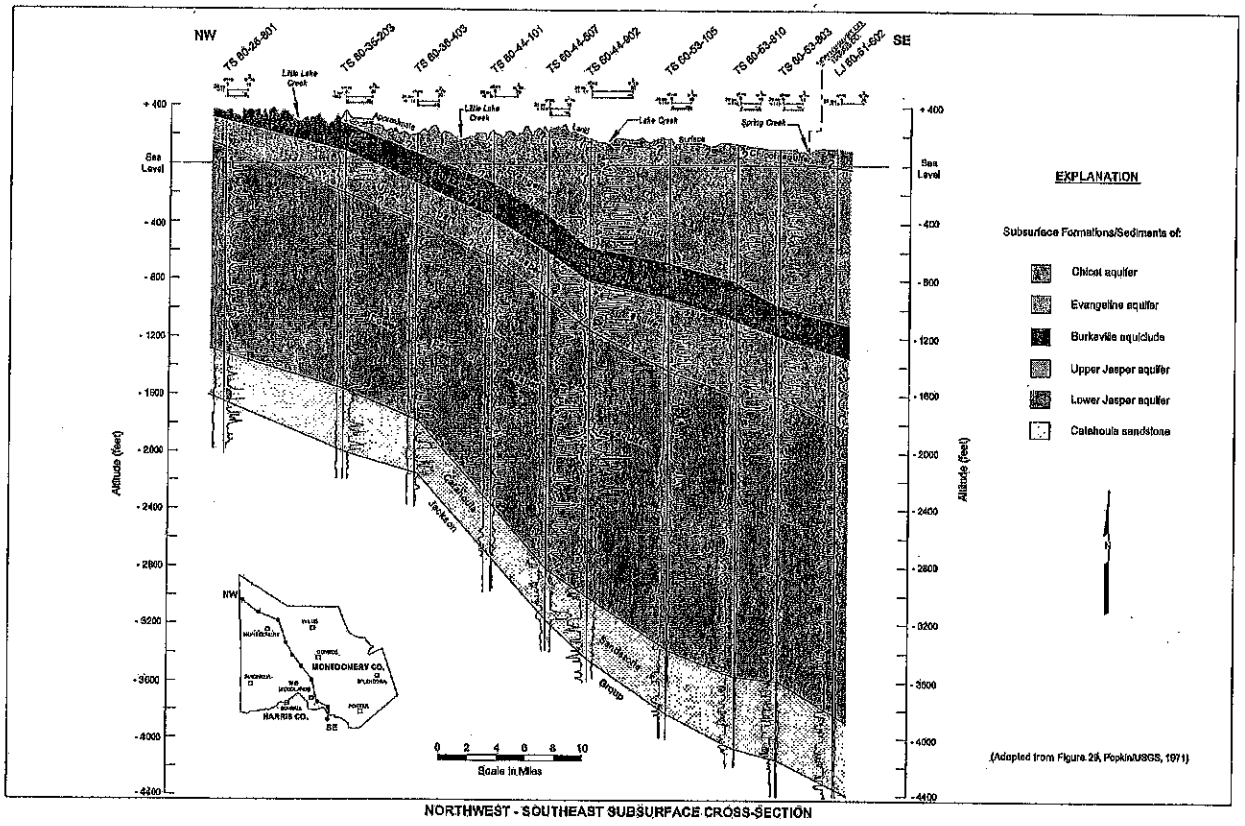


Fig. 2, Northwest to Southeast Cross-section Showing Dip and Thickening of Gulf Coast aquifer Subdivisions (Popkin, 1971).

## F. Topography and Drainage

"The topographic surfaces vary from almost flat near the larger streams and in the southern part of the county to hilly in the northern part. Altitudes range from about 45 feet above mean sea level in the southeastern corner of the county to about 440 feet in the northwestern corner.

The county is in the San Jacinto River drainage basin in which the primary drainage trends from northwest to southeast. The larger streams are the West Fork San Jacinto River, Peach, Spring, Stewart, and Caney Creeks. Secondary drainage which is roughly west to east is principally by Lake and Spring Creeks. The primary drainage is controlled by the southeasterly slope of the land surface while the secondary drainage is controlled to a large extent by the occurrence of alternating outcrops of sand and clay.

West Fork San Jacinto River has a stream gradient of about 5 feet per mile in the northern part of the county and about 3 feet per mile in the central and southern parts. Caney Creek has a gradient of 8 to 12 feet per mile in the northern part of the county and about 5 feet per mile in the central and southern parts. Spring Creek has a gradient of about 5 feet per mile in the southwestern part of the county and about 3 feet per mile in the southeastern part." (Popkin at p. 8, 1971).

Although Lake Creek is described as a secondary drainage in TWDB Report 136, it is reported by the San Jacinto River Authority (SJRA) to have experienced flow in excess of 80,000 cubic feet per second (cfs) during storm run-off events on October 18, 1994. SJRA estimated the volume of flow was from data recorded at USGS gauging stations on a reach of the West Fork San Jacinto River where Lake Creek is the major tributary. During storm run-off events this stream could be considered to have flow equal to or exceeding the flow of streams given in TWDB Report 136 as primary drainages. (SJRA, 2003)

## 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 from the Gulf Coast aquifer is estimated to be 64,000 acre-feet per year. This estimate is based on the rate of annual deep recharge to the Gulf Coast aquifer of approximately 1.1 inches per year used in the development of the Northern Gulf Coast aquifer Groundwater Availability Model (GAM). This value was presented during the Stakeholder Advisory Forum meeting for the Northern Gulf Coast aquifer GAM of January 29, 2003. The annual deep recharge value expressed as a fraction of a foot was applied to the area of the District in acres (697,600 acres) to determine the useable amount of groundwater available from the Gulf Coast aquifer in acre-feet per year. In order to manage the groundwater resources of the District as practicably as possible in a sustainable manner, the groundwater availability is designated as the amount of effective annual recharge to the Gulf Coast aquifer in the District.

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

The estimate of the amount of groundwater being used within the District on an annual basis is 49,002 acre-feet per year. This estimate is derived from the TWDB Annual Water Use Survey from the year 2000, which is the most recent data available.

| Aquifer | Year | Municipal | Mfg | Power | Mining | Irrigation | Livestock |
|---|---|---|---|---|---|---|---|
| Gulf Coast | 1980 | 18,109 | 1,108 | 810 | 652 | 0 | 139 |
| Gulf Coast | 1984 | 22,599 | 1,239 | 812 | 2,533 | 13 | 201 |
| Gulf Coast | 1985 | 23,425 | 1,014 | 810 | 348 | 50 | 166 |
| Gulf Coast | 1986 | 24,376 | 981 | 810 | 397 | 50 | 151 |
| Gulf Coast | 1987 | 22,476 | 876 | 810 | 452 | 50 | 158 |
| Gulf Coast | 1988 | 26,496 | 979 | 812 | 435 | 50 | 177 |
| Gulf Coast | 1989 | 26,329 | 953 | 808 | 61 | 19 | 155 |
| Gulf Coast | 1990 | 26,595 | 924 | 810 | 73 | 20 | 160 |
| Gulf Coast | 1991 | 25,776 | 1,143 | 810 | 383 | 20 | 163 |
| Gulf Coast | 1992 | 26,751 | 1,152 | 810 | 204 | 20 | 168 |
| Gulf Coast | 1993 | 32,507 | 1,151 | 810 | 204 | 0 | 163 |
| Gulf Coast | 1994 | 34,582 | 692 | 810 | 319 | 0 | 179 |
| Gulf Coast | 1995 | 36,539 | 698 | 810 | 330 | 0 | 192 |
| Gulf Coast | 1996 | 39,732 | 646 | 816 | 330 | 0 | 159 |
| Gulf Coast | 1997 | 39,633 | 806 | 810 | 313 | 0 | 163 |
| Gulf Coast | 1998 | 40,433 | 774 | 810 | 266 | 0 | 206 |
| Gulf Coast | 1999 | 51,559 | 689 | 810 | 266 | 0 | 234 |
| Gulf Coast | 2000 | 46,699 | 820 | 810 | 403 | 66 | 204 |

Table 1, Amount of Groundwater Used in Each Category of Use in the Annual TWDB Water Use Surveys.

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

The estimated annual amount of recharge to the groundwater resources of the District is 64,000 acre-feet per year. This estimate is based on the rate of annual deep recharge to the Gulf Coast aquifer of approximately 1.1 inches per year used in the development of the Northern Gulf Coast aquifer Groundwater Availability Model (GAM). This value was presented during the Stakeholder Advisory Forum meeting for the Northern Gulf Coast aquifer GAM of January 29th, 2003. The annual deep recharge value expressed as a fraction of a foot was applied to the area of the District in acres (697,600 acres) to determine the annual amount of recharge to the groundwater resources of the District.

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

Increasing the recharge of groundwater within the District may be difficult. A high percentage of the total amount of recharge is rejected by the aquifer and supports the base flow of streams. The natural or artificial recharge to the groundwater within the District might be feasibly increased by the construction of rainfall runoff retention structures on ephemeral streams.

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

The estimates of projected water supplies are taken from Table 5 of the 2001 Region H, Regional Water Plan.

| Water User Group | Source of Water Supply | 2000 | 2010 | 2020 | 2030 | 2040 | 2050 |
|---|---|---|---|---|---|---|---|
| Chateau Woods | Gulf Coast Aquifer | 163 | 174 | 183 | 194 | 199 | 208 |
| Conroe | Gulf Coast Aquifer | 13,084 | 14,488 | 13,508 | 13,508 | 13,508 | 13,508 |
| County-Other | Gulf Coast Aquifer | 16,864 | 15,404 | 16,050 | 15,590 | 15,247 | 14,834 |
| Cut and Shoot | Gulf Coast Aquifer | 177 | 189 | 195 | 210 | 214 | 222 |
| Houston | Gulf Coast Aquifer | 5 | 5 | 5 | 6 | 7 | 8 |
| Irrigation | Livingston Lake/Reservoir | 20 | 20 | 20 | 20 | 20 | 20 |
| Livestock | Livestock Local Supply | 420 | 420 | 420 | 420 | 420 | 420 |
| Magnolia | Gulf Coast Aquifer | 220 | 245 | 262 | 305 | 348 | 370 |
| Manufacturing | Gulf Coast Aquifer | 1,670 | 1,670 | 1,670 | 1,670 | 1,670 | 1,670 |
| Oak Ridge North | Gulf Coast Aquifer | 754 | 832 | 792 | 810 | 941 | 1,100 |
| Panorama Village | Gulf Coast Aquifer | 678 | 841 | 841 | 841 | 841 | 841 |
| Patton Village | Gulf Coast Aquifer | 123 | 155 | 192 | 232 | 262 | 308 |
| Roman Forest | Gulf Coast Aquifer | 334 | 356 | 390 | 447 | 510 | 591 |
| Shenandoah | Gulf Coast Aquifer | 486 | 663 | 858 | 1,065 | 1,065 | 1,065 |
| Splendora | Gulf Coast Aquifer | 126 | 130 | 149 | 173 | 197 | 220 |
| Steam Electric Power | Lake/Reservoir | 6,300 | 6,300 | 6,300 | 6,300 | 6,300 | 6,300 |
| Steam Electric Power | Trinity River Run-of-River | 4,996 | 0 | 0 | 0 | 0 | 0 |
| Steam Electric Power | Gulf Coast Aquifer | 800 | 800 | 800 | 800 | 800 | 800 |
| The Woodlands | Gulf Coast Aquifer | 12,181 | 18,146 | 18,001 | 18,001 | 18,001 | 18,001 |
| Willis | Gulf Coast Aquifer | 623 | 731 | 906 | 906 | 906 | 906 |
| Woodbranch | Gulf Coast Aquifer | 146 | 171 | 198 | 242 | 284 | 348 |
| Mining | No Available Supply | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | |
| | Total Supplies = | 60,150 | 61,740 | 61,740 | 61,740 | 61,740 | 61,740 |

Table 2, Estimates of the Projected Water Supplies in the District through 2050.

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

Estimates of projected demands are from Table 2 of the 2001 Region H, Regional Water Plan.

| Water User Group | Category of Use | 2000 | 2010 | 2020 | 2030 | 2040 | 2050 |
|---|---|---|---|---|---|---|---|
| Chateau Woods | Municipal | 163 | 174 | 183 | 194 | 199 | 208 |
| Conroe | Municipal | 13,064 | 16,098 | 19,691 | 24,140 | 28,896 | 34,906 |
| County-Other | Municipal | 16,864 | 19,750 | 26,764 | 40,190 | 53,572 | 67,419 |
| Cut and Shoot | Municipal | 177 | 189 | 195 | 210 | 214 | 222 |
| Houston | Municipal | 5 | 5 | 5 | 6 | 7 | 8 |
| Irrigation | Irrigation | 20 | 20 | 20 | 20 | 20 | 20 |
| Livestock | Livestock | 420 | 420 | 420 | 420 | 420 | 420 |
| Magnolia | Municipal | 220 | 245 | 262 | 305 | 348 | 370 |
| Manufacturing | Manufacturing | 1,670 | 1,935 | 2,128 | 2,317 | 2,604 | 2,897 |
| Mining | Mining | 196 | 98 | 53 | 30 | 19 | 15 |
| Oak Ridge North | Municipal | 754 | 832 | 956 | 1,181 | 1,373 | 1,604 |
| Panorama Village | Municipal | 678 | 841 | 1,026 | 1,262 | 1,521 | 1,834 |
| Patton Village | Municipal | 123 | 156 | 192 | 232 | 262 | 308 |
| Roman Forest | Municipal | 334 | 356 | 390 | 447 | 510 | 591 |
| Shenandoah | Municipal | 486 | 663 | 858 | 1,065 | 1,243 | 1,451 |
| Splendora | Municipal | 126 | 130 | 149 | 173 | 197 | 220 |
| Steam Electric Power | Power | 6,000 | 6,000 | 6,000 | 6,000 | 6,000 | 6,000 |
| The Woodlands | Municipal | 12,181 | 21,602 | 22,049 | 21,515 | 20,981 | 20,847 |
| Willis | Municipal | 623 | 731 | 906 | 1,108 | 1,279 | 1,503 |
| Woodbranch | Municipal | 146 | 171 | 198 | 242 | 284 | 348 |
| | | | | | | | |
| | Total Demands = | 54,250 | 70,416 | 82,445 | 101,057 | 119,949 | 141,191 |

Table 3, Estimates of the Projected Water Demand in the District Through 2050.

## V. Water Management Strategies To Meet Needs of Water User Groups

The projected water supplies and demand totals for the District given in Tables 2 and 3 indicate that projected demand would exceed supplies by 2010. To meet the needs of water user groups in the District, Region H adopted water management strategies to develop additional supplies.

| WUG | Water Mgt. Strategy | Source | County | 2000 | 2010 | 2020 | 2030 | 2040 | 2050 |
|---|---|---|---|---|---|---|---|---|---|
| Conroe | New Contracts with SJRA | Lake Conroe | N/A | 0 | 780 | 4,865 | 5,470 | 5,470 | 5,470 |
| Conroe | Bedias Res. Contracts w/SJRA | Bedias Res. | N/A | 0 | 0 | 0 | 3,632 | 8,388 | 14,398 |
| Conroe | Municipal Conservation | Conservation | Montgomery | 0 | 830 | 1,318 | 1,530 | 1,715 | 2,072 |
| Oak Ridge North | New Contracts with SJRA | Lake Conroe | N/A | 0 | 0 | 94 | 290 | 345 | 402 |
| Oak Ridge North | Municipal Conservation | Conservation | Montgomery | 0 | 0 | 70 | 81 | 87 | 102 |
| Panorama Village | New Contracts with SJRA | Lake Conroe | N/A | 0 | 0 | 83 | 306 | 541 | 824 |
| Panorama Village | Municipal Conservation | Conservation | Montgomery | 0 | 0 | 102 | 115 | 139 | 169 |
| Shenandoah | New Contracts with SJRA | Lake Conroe | N/A | 0 | 0 | 0 | 0 | 113 | 310 |
| Shenandoah | Municipal Conservation | Conservation | Montgomery | 0 | 0 | 0 | 0 | 65 | 76 |
| The Woodlands | Increase SJRA Contract | Lake Conroe | N/A | 0 | 3,456 | 4,048 | 3,514 | 2,980 | 2,846 |
| Willis | Municipal Conservation | Conservation | Montgomery | 0 | 0 | 0 | 69 | 70 | 97 |
| Willis | New Well Fields | Gulf Coast aq. | Walker | 0 | 0 | 0 | 133 | 303 | 500 |
| County-Other | Municipal Conservation | Conservation | Montgomery | 0 | 1,043 | 1,744 | 2,429 | 2,874 | 3,626 |
| County-Other | Bedias Res. Contracts w/SJRA | Bedias Res. | N/A | 0 | 0 | 0 | 13,600 | 27,325 | 40,750 |
| County-Other | New Contracts with SJRA | Lake Conroe | N/A | 0 | 3,303 | 8,970 | 8,970 | 8,970 | 8,970 |
| Manufacturing | New Contracts with SJRA | Lake Conroe | N/A | 0 | 265 | 458 | 647 | 934 | 1,227 |
| Mining | New Contracts with SJRA | Lake Conroe | N/A | 196 | 98 | 53 | 30 | 19 | 15 |
| | **Total Amount of Water From Water Management Strategies =** | | | **196** | **9,775** | **21,805** | **40,816** | **60,338** | **81,854** |

Table 4, Water Management Strategies to Meet Needs in the District.

The water management strategies adopted by Region H include only one strategy to supply groundwater to a water user group in the District. This strategy supplies the City of Willis with groundwater from the Gulf Coast aquifer from a well field to be developed in Walker County. Table 4 indicates that none of the water management strategies recommended in the Region H, Regional Water Plan would be affected by the District's adoption of a value of 64,000 acre-feet per year for the availability of groundwater from the Gulf Coast aquifer.

## VI. Management of Groundwater Supplies – 31 TAC § 356.5(a)(6)

The Texas Legislature has established that groundwater conservation districts ('districts"), such as the Lone Star 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.

In addition to the statutory authority provided to districts in Chapter 36, the District has the powers expressly granted to the District by Chapter 1321, Acts of the 77th Legislature, Regular Session, 2001, and Chapter 994, Acts of the 78th Legislature, Regular Session, 2003 (collectively "the District Act"). In accordance with Chapter 36 and the District Act, the District has implemented a claims process in which the District may require an existing or historic user of groundwater to obtain a historic use permit. In order to obtain a historic use permit, an existing or historic user must prove the maximum annual amount of groundwater that the user put towards a beneficial use during an existing and historic use period established by the District. In accordance with the District Act and the District's rules, the District established an initial existing and historic use period as the period from January 1, 1992, to the date of first adoption of the District's rules, August 26, 2002. Pursuant to Section 36.116(b) of the Texas Water Code, the District Act, the District's rules, the claims process and the existing and historic use period preserve historic use to the maximum extent practicable consistent with the District's management plan.

The claims process instituted by the District will also protect existing use in accordance with Section 36.113(e) of the Texas Water Code. The District protects existing use by imposing more restrictive permit conditions on new permit applications and increased use by historic users by establishing limitations that: (1) apply to all subsequent new permit applications and increased use by historic users, regardless of type or location of use; (2) bear a reasonable relationship to the District's management plan; and (3) are reasonably necessary to protect existing use.

Another significant management tool that the District is authorized to utilize by the District Act and Chapter 36 is the use of management zones. The District may establish management zones within the boundaries of the District in order to better manage and regulate the groundwater resources of Montgomery County. The District may use the management zones to adopt different rules under Section 36.116 of the Texas Water Code for each aquifer, subdivision of an aquifer, or geologic stratum located in whole or in part within the boundaries of the District, or

different geographic areas of an aquifer or subdivision of an aquifer located in whole or in part within the boundaries of the District. Management zones shall serve as areas for which the District shall determine total water availability, authorize total production, implement proportional reduction of production among classes of users, and within which the District shall allow the transfer of the right to produce groundwater, as set forth in the District's rules.

As set forth in the District's rules and this Management Plan, the District shall seek to limit production of groundwater from the resources within its boundaries to a sustainable level, so that the groundwater resources of Montgomery County are not depleted for future generations. For purposes of this plan, the word "sustainable" means limiting total groundwater production in the District or in a management zone designated by the District to an amount that does not exceed the amount of effective deep aquifer recharge in the District or the management zone, as applicable, when averaged over a term of years to be determined by the District. To the extent that groundwater use in a particular management zone exceeds groundwater availability in that zone, the District shall implement proportional adjustment regulations to reduce overall production in that zone to a level that does not exceed availability when averaged over time. The regulatory scheme for proportional adjustment is set forth in Section 4 of the District's rules. Generally speaking, that regulatory scheme calls for any necessary reductions to first be assessed against non-historic users of groundwater, then against Historic Use permittees. The District Rules also expressly recognize that, in establishing or implementing any proportional adjustment regulations that contemplate the reduction of authorized production or a prohibition on authorization for new or increased production, the District shall consider the time necessary for water users to secure alternate sources of water, including surface water, by economically feasible means. This consideration may necessitate that the District authorize total production to exceed availability, either within a particular management zone or in the District as a whole, for a period of time to be determined by the District until economically feasible alternative water sources may reasonably be expected to be available to such groundwater users, and nothing in this plan shall be construed to limit the ability of the District to utilize that regulatory flexibility.

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

The general manager of the District will prepare and submit an annual report ("Annual Report") to the Board of Directors of the District. The Annual Report will include an update on the District's performance in regards to achieving management goals and objectives. The general manager of the District will present the Annual Report within ninety (90) days following the completion of the District's fiscal year, beginning with the fiscal year that starts January 1, 2004. The Annual Report for the Fiscal year beginning January 1, 2004, will also include information on the District's performance in the portion of the prior fiscal year following the certification of the management plan as administratively complete by TWDB. The Board will maintain a copy of the Annual Report on file for public inspection at the District's offices upon adoption.

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

The District will implement the goals and provisions of this management plan and will utilize the objectives of this management plan as a guideline in its decision-making. The District will ensure that its planning efforts, operations, and activities will be consistent with the provisions of this plan.

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 cooperation and coordination in the implementation of this plan. 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.

## IX. Management Goals

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

**A. 1.** **Objective** – Each year, the District will require all new exempt or permitted wells that are constructed within the boundaries of the District to be registered or permitted with the District in accordance with the District Rules.

**A. 1.** **Performance Standard** – The number of exempt and permitted wells registered or permitted by the District for the year will be incorporated into the Annual Report submitted to the Board of Directors of the District.

**A. 2.** **Objective** – Each year, the District will regulate the production of groundwater by maintaining a system of permitting the use and production of groundwater within the boundaries of the District in accordance with the District Rules.

**A. 2.** **Performance Standard** – Each year the District will accept and process applications for the permitted use of groundwater in the District in accordance with the permitting process 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.

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

**B. 1.** **Objective** – Each year, the District will make an evaluation of the District Rules to determine whether any amendments are recommended to decrease the amount of waste of groundwater within 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 recommended to prevent the waste of groundwater in the Annual Report of the District provided to the Board of Directors.

**B. 2.** **Objective** – Each year, the District will apply a water use fee structure to the permitted use of groundwater in the District to encourage the elimination and reduction of waste of groundwater.

**B. 2.** **Performance Standard** – Each year, with the exception of wells exempt from permitting, the District will apply a water use fee to the permitted use of groundwater in the District pursuant to District rules. The amount of fees generated by the water use fee structure and the amount of water used for each type of permitted use of groundwater will be included in a section of the Annual Report given to the Board of Directors of the District.

**B. 3.** **Objective** – Each year, the District will provide information to the public on eliminating and reducing wasteful practices in the use of groundwater by including information on groundwater waste reduction on the District's website.

**B. 3.** **Performance Standard** – Each year, 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 given to the District's Board of Directors.

## C. Controlling and Preventing Subsidence – 31 TAC § 356.5(a)(1)(C)

**C.1.** **Objective** – Each year, the District will hold a joint conference with the Harris-Galveston Coastal Subsidence District and the Fort Bend Subsidence District focused on sharing information regarding subsidence and the control and prevention of subsidence through the regulation of groundwater.

**C.1.** **Performance Standard** – Each year, a summary of the joint conference on subsidence issues will be included in the Annual Report submitted to the Board of Directors of the District.

F. 2. **Objective** – The District will develop or implement a pre-existing educational program for use in public or private schools in Montgomery County to educate students on the importance of water conservation by January 1, 2005.

F. 2. **Performance Standard** – A description of the educational program developed or implemented by the District for use in Montgomery County public or private schools will be included in the Annual Report to the Board of Directors for the year 2005.

F. 3. **Objective** – Each year, the District will include an informative flier on water conservation within at least one mail out to groundwater use permit holders distributed in the normal course of business for the District.

F. 3. **Performance Standard** – The District's Annual Report will include a copy of the informative flier distributed to groundwater use permit holders regarding water conservation and the number of fliers distributed.

## X. Management Goals Not-Applicable to District

**A. 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.

## XI. Action Required for Plan Certification – 31 TAC § 356.6

### A. Planning Period – 31 TAC § 356.5(a)

The Board of Directors of the District adopted the management plan for the District by resolution on October 14, 2003. The management plan will remain in effect for ten years from the date of certification as administratively complete by the Texas Water Development Board, unless the District adopts an amended management plan that is certified by the Texas Water Development Board. The amended management plan will take effect as of the date of certification. In accordance with the provisions of Chapter 36 of the Texas Water Code, the District's management plan shall be reviewed annually and readopted with or without revisions at least every five years.

### 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 A – 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 B - Notice of Meetings.

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

Evidence, such as correspondence or agendas from regional water planning group planning meetings, that the District coordinated with surface water management entities in regards to the District's management plan is located in Appendix C.

## References


1. Popkin, Barney P., 1971. Texas Water Development Board Report 136, "Ground-Water Resources of Montgomery County, Texas", prepared by the United States Geological Survey in cooperation with the Texas Water Development Board, Montgomery County Commissioners Court, the San Jacinto River Authority and the City of Conroe.

2. Regional Water Management Plan, Region H – Regional Water Planning Group.

3. Rules of the Lone Star Groundwater Conservation District, as amended.

4. San Jacinto River Authority - Jim Adams, General Manager personal communication August 2003 based on USGS Stream Gage Data for October 18, 1994, from Site No.s 08067650 and 08068000 located near the confluence of Lake Creek and the West Fork of the San Jacinto River.

5. Turner Collie & Braden Project Team – Bill Couch, AICP Project Manager personal communications May – August 2003.

LONE STAR
GROUNDWATER CONSERVATION DISTRICT

PO Box 2467 • 332 N Main • Conroe, Texas 77305
local 936/494-3436 • metro 936/441-3437 • fax 936/494-3438
e-mail: lsgcd@txucom.net • www.lonestargcd.org

Kathy Jones
*General Manager*

Board of Directors

Richard Tramm
*President*

Orval R. Love
*Vice-President*

Paula J. Hargis
*Secretary/Treasurer*

C. Brandon Creighton
*Board Assistant Secretary*

James R. Adams

David Kleimann

Craig Lonon

Jim Stinson

W. B. Wood

## CERTIFICATION

I am the General Manager and Custodian of Records for the Lone Star Groundwater Conservation District ("District"). I certify that the attached resolution is a true and correct copy of a document on file in the District's records.

Sincerely,

Kathy Jones
General Manager and
Custodian of Records

10-29-03
Date

## A RESOLUTION ADOPTING MANAGEMENT PLAN FOR THE

## LONE STAR GROUNDWATER CONSERVATION DISTRICT

THE STATE OF TEXAS §

COUNTY OF MONTGOMERY §

**Whereas,** the Lone Star Groundwater Conservation District (the District) is a political subdivision of the State of Texas organized and existing under and by virtue of Article XVI, Chapter 59, of the Texas Constitution;

**Whereas,** under the direction of the Board of Directors, and in accordance with Section 36.1071, Texas Water Code, and Chapter 356, Title 31, Texas Administrative Code, the District developed a Management Plan;

**Whereas**, the District requested the technical assistance of the Texas Water Development Board and worked with TWDB's staff throughout 2003 on ascertaining the technical information and estimates that are required by the TWDB, the Texas Administrative Code, and Chapter 36, Texas Water Code, to be included in the Management Plan;

**Whereas**, the District's Focus Planning Committee held a work session open to the public on August 4, 2003, at the offices of the San Jacinto River Authority in Conroe, Texas, to help develop and formulate a draft Management Plan for consideration by the District;

**Whereas**, the District published notice of public hearings on the Management Plan in the Conroe Courier on August 29, 2003, September 7, 2003, and September 14, 2003; in the Montgomery County News on September 3, 2003, and September 10, 2003; in The Villager on September 4, and September 11, 2003; in The Observer on September 5, 2003, and September 12, 2003; and in the Houston Chronicle on September 5, 2003, and September 10, 2003, which serve as publications of general circulation in Montgomery County, Texas;

**Whereas**, the District held public hearings to receive public and written comments on the Management Plan for the District on September 17, 2003, and October 14, 2003, at the Conroe City Council Chambers – Conroe Towers Building, 300 West Davis, Conroe, TX 77301; and

**Whereas**, the Board of Directors finds that the Management Plan meets all of the requirements of Chapter 36, Texas Water Code, and Chapter 356, Title 31, Texas Administrative Code;

**NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF DIRECTORS OF THE LONE STAR GROUNDWATER CONSERVATION DISTRICT AS FOLLOWS:**

The Management Plan is hereby adopted as the management plan for the District; and

The District directs the submission of such plan to the Texas Water Development Board for Certification pursuant to the provisions of Section 36.1072 of the Texas Water Code.

AND IT IS SO ORDERED.

PASSED AND ADOPTED on this 14th day of October, 2003.

**LONE STAR GROUNDWATER CONSERVATION DISTRICT**

By: _____
President

_____
Assistant Secretary

Posted

FILED FOR RECORD
2003 SEP -4 AM 10:53
Mark Turnbull
COUNTY CLERK
MONTGOMERY COUNTY, TEXAS

# *NOTICE OF PUBLIC HEARING*
## of the
## Lone Star Groundwater Conservation District
## at
## Conroe City Council Chambers - Conroe Towers Building
## 300 West Davis
## Conroe, TX 77301

## Wednesday, September 17, 2003, at 9:00 a.m.

**NOTICE OF PUBLIC HEARING ON PROPOSED GROUNDWATER MANAGEMENT PLAN FOR THE LONE STAR GROUNDWATER CONSERVATION DISTRICT.**

The Board of Directors of the Lone Star Groundwater Conservation District will hold a hearing open to the public on Wednesday, September 17, 2003, beginning at 9:00 a.m., in the Conroe City Council Chambers located in the Conroe Towers Building at 300 West Davis, Conroe, Texas. At such time the Board of Directors will discuss and may take action on any items on this agenda it may determine would be appropriate, to-wit:

**PUBLIC HEARING AGENDA**

1. Call to Order and Declare Meeting Open to the Public.
2. Summary presentation of the proposed Groundwater Management Plan for the Lone Star GCD as required by Chapter 36 of the Texas Water Code and Chapter 356 of the Texas Water Development Board's (TWDB) rules contained in Title 30 of the Texas Administrative Code.
3. Public comment on proposed plan.
4. Adjournment.

The above agenda schedule represents an estimate of the order for the indicated items and is subject to change at anytime.

*These public hearings and meetings are available to all persons regardless of disability. If you require special assistance to attend the meeting or hearing, please contact the Lone Star GCD at 936/494-3436 at least 24 hours in advance of the meeting.*

At any time during the meeting and in compliance with the Texas Open Meetings Act, Chapter 551, Government Code, Vernon's Texas Codes, Annotated, the Lone Star Groundwater Conservation District Board may meet in executive session on any of the above agenda items for consultation concerning attorney-client matters (§551.071); deliberation regarding real property (§551.072); deliberation regarding prospective gift (§551.073); personnel matters (§551.074); and deliberation regarding security devices (§551.076). Any subject discussed in executive session may be subject to action during an open meeting.

## Certification

I, the undersigned authority, do hereby certify that on September 4, 2003, at or before 5:00 p.m., I posted and filed the above notice of meeting with the Montgomery County Clerk's office and also posted a copy in the front window of the Lone Star GCD office in a place convenient and readily accessible to the general public all times and that it will remain so posted continuously for at least 72 hours preceding the scheduled time of said meeting in accordance with the Texas Government Code, Chapter 551.

Kathy Jones, General Manager
Lone Star Groundwater Conservation District

HCN Houston Community Newspapers Classifieds
100 Avenue A, Conroe, TX 77301 • (936) 539-2274 • (788) 452-7355 • 1 (

NOTICE OF PUBLIC HEARING ON PROPOSED GROUNDWATER MANAGEMENT PLAN FOR THE LONE STAR GROUNDWATER CONSERVATION DISTRICT
9/17/03

NOTICE IS HEREBY GIVEN to all interested persons within Montgomery County, Texas: That the Board of Directors of the Lone Star Groundwater Conservation District (LSGCD) will hold a hearing open to the public on Wednesday, September 17, 2003, beginning at 9:00 a.m., at the Conroe City Council Chambers, Conroe Towers Building, 300 West Davis, Conroe, TX. At such time the Board of Directors will discuss and may take action on any item on this agenda it may determine would be appropriate, to wit:

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3. Public comment on proposed plan.
4. Adjournment.

A copy of the proposed Groundwater Management Plan may be requested by email at lsgcd@txucom.net or copies will be available at the LSGCD office located at 322 N. Main, Conroe, TX. Any person who wishes to receive more detailed information on the above listed agenda should contact Kathy Jones, General Manager, at 936/494-3436.

29457 August 29, September 7, 14, 2003

# AFFIDAVIT OF

## STATE OF TEXAS
## COUNTY OF MONTGOMERY

Personally appeared before the undersigned

County and State. Nita Phillips,

Publisher of the Conroe Courier, a newspaper

County of Montgomery, State of Texas. Who being duly sworn, states under oath that the report of Legal Notices, a true copy of which is hereto annexed was published in said newspapers in its issue(s) of the

29 day of August, 2003
7 day of September, 2003
and the 14 day of September, 2003

Nita Phillips
Publisher's Representative

Sworn to and subscribed before me this 15 day of Sept., 2003.

Karen Ann Elton
Notary Public

My commission expires on Dec 6, 2004

KAREN ANN ELTON
Notary Public, State of Texas
My Commission Expires
December 06, 2004

HCN Classifieds
Houston Community Newspapers
100 Avenue A, Conroe, TX 77301 • (936) 539-2274 • (788) 452-7355 • 1 (800) 659-6997

NOTICE OF PUBLIC HEARING ON PROPOSED GROUNDWATER MANAGEMENT PLAN FOR THE LONE STAR GROUNDWATER CONSERVATION DISTRICT
9/17/03

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September 3, 10, 2003

# AFFIDAVIT OF PUBLI

**STATE OF TEXAS**
**COUNTY OF HARRIS**

Personally appeared before the undersigned, a Notar

County and State. Nita Phillips, Represe

Publisher of the Humble/Kingwood Observer, a newspaper of general circulation in the County of Harris, State of Texas. Who being duly sworn, states under oath that the report of Legal Notices, a true copy of which is hereto annexed was published in said newspapers in its issue(s) of the

3 day of September, 2003

and the 10 day of September, 2003

Nita Phillips
Publisher's Representative

Sworn to and subscribed before me this 10th day of September 2003.

Debbie Garling
Notary Public

My commission expires on 5-29-2005

DEBBIE GARLING
NOTARY PUBLIC
STATE OF TEXAS
My Commission Expires 5-29-2005

HCN Houston Community Newspapers Classifieds
100 Avenue A, Conroe, TX 77301 • (936) 539-2274 • (788) 452-7355 • 1 (800) 659-6997

# AFFIDAVIT OF PUBLICATION

**STATE OF TEXAS**
**COUNTY OF MONTGOMERY / HARRIS**

Personally appeared before the undersigned, a Notary Public within and for said County and State. Nita Phillips, Representative for Ray Biggerstaff, Publisher of the The Woodlands Villager, a newspaper of general circulation in the County of Montgomery / Harris, State of Texas. Who being duly sworn, states under oath that the report of Legal Notices, a true copy of which is hereto annexed was published in said newspapers in its issue(s) of the

4 day of September, 2003

and the 11 day of September, 2003

Nita Phillips
Publisher's Representative

Sworn to and subscribed before me this 11th day of September 2003.

Debbie Garling
Notary Public

My commission expires on 5-29-2005

DEBBIE GARLING
NOTARY PUBLIC
STATE OF TEXAS
My Commission Expires 5-29-2005

NOTICE OF PUBLIC HEARING ON PROPOSED GROUNDWATER MANAGEMENT PLAN FOR THE LONE STAR GROUNDWATER CONSERVATION DISTRICT
9/17/03

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September 4, 11, 2003

## PUBLISHER'S AFFIDAVIT

I solemnly swear that the attached notice was published as directed in the Montgomery County News, a newspaper published in Montgomery County, Texas, and of general circulation in said county.

Regina Duchesne
Publisher or Newspaper Agent

SUBSCRIBED AND SWORN TO BEFORE ME by; Carol Langley, this 1 day of Oct, 2003, to certify which witness my hand and seal of office.

Carol L. Langley
Notary Public in and for the State of Texas

My commission expires: 5-14-2006

Case #, Cause #, Probate #, Bid # PO#, Notice of: Groundwater Management Plan
Publication Date(s): Sept 3 & Sept 10, 2003

Requestor of Publication_____

CAROL L. LANGLEY
Notary Public, State of Texas
My Comm. Expires May 14, 2006

**NOTICE OF PUBLIC HEARING ON PROPOSED GROUNDWATER MANAGEMENT PLAN FOR THE LONE STAR GROUNDWATER CONSERVATION DISTRICT**
**9/17/03**

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4. Adjournment.

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Published dates, September 3 and 10, 2003

**NOTICE TO ALL PERSONS HAVING CLAIMS AGAINST THE ESTATE OF NORA LOU FOWLER**

Notice is hereby given that original Letters Testamentary for the Estate of NORA LOU FOWLER, were issued on August 27, 2003 in Cause No. 03-20,845-P, pending in the County Court at Law Number 4 of Montgomery County, Texas, to: WALTER WELDON WILSON
The address of such Estate is as follows:

**Walter Weldon Wilson**
**315 Main Street**
**Humble, Texas 77338**
**(281) 446-8634**

# Blanco County Jury returns guilty verdict against Centra

School superintendent convicted of violating the Texas Public Information Act in the first-known criminal case of its kind

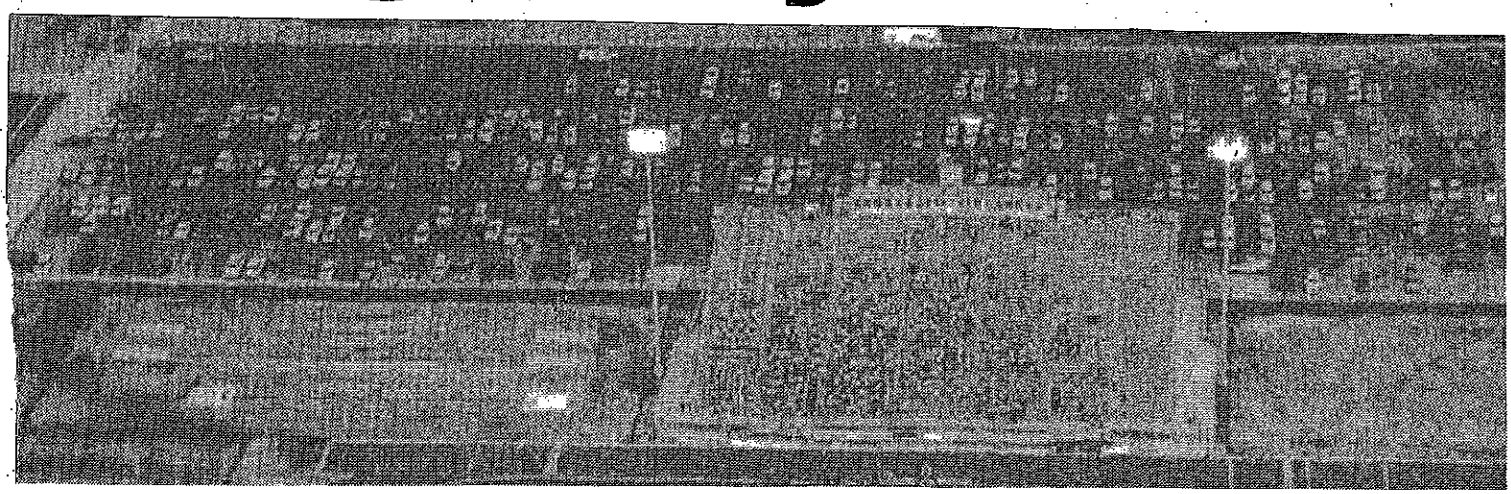
AUSTIN -Texas Attorney General Greg Abbott announced the first-known criminal conviction of a public official who violated the state's Public Information Act (PIA). Late Thursday night, a Blanco County jury found Llano Independent School District Superintendent Jack Patton guilty. Judge Murray Jordan fined Patton $1,000 and gave him a 6-month probated jail sentence for the misdemeanor violation. Patton's trial was moved from Llano County to Blanco on a change of venue.

"I want all government officials to take note of how this case ended," said Attorney General Abbott. "I have said before that I will vigilantly enforce open government laws and I will protect the public's access to information. It's essential to ensuring public confidence and accountability."

In the summer and fall of 2002, a county commissioner, the Llano newspaper and local citizens sought information on how Patton and school board members were spending district funds. Patton's refusal to disclose the information resulted in a 3-month investigation by Llano County District Attorney Sam Oatman and Texas Attorney General Greg Abbott. The details of that investigation were presented to a Llano County grand jury. In February 2003, the panel returned a two-count indictment against Patton alleging that he intentionally withheld public information from a county commissioner and a reporter from the Llano Buzz newspaper.

Created by legislators in 1973, the Public Information Act requires that governmental bodies and officials respond promptly to an open records request. If the entity, or an official, refuses to disclose the information in question, they must, within 10 business days, ask the attorney general's office for a

# History in the ma
# Montgomery's new Be



AFFIDAVIT OF PUBLICATION

STATE OF TEXAS:

COUNTY OF HARRIS:

Before me, the undersigned authority, a Notary Public in and for the State of Texas, on the day personally appeared: GAIL FEAGINS, who after being duly sworn, says that she is the SUPERVISOR-ACCOUNTS RECEIVABLE at the HOUSTON CHRONICLE, a daily newspaper published in Harris County, Texas, and that the publication, of which the annexed herein, or attached to, is a true and correct copy, was published to-wit:

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LONE STAR GROUNDWATER CONSER 17396567 56824913
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Gail Feagins

GAIL FEAGINS
SUPERVISOR - ACCOUNTS RECEIVABLE

Sworn and subscribed to before me, this the 12th Day of September A.D. 2003

PENNY STOW
NOTARY PUBLIC
STATE OF TEXAS
My Commission Expires Feb. 4, 2006

Penny Stow

Notary Public in and for the State of Texas

**NOTICE OF PUBLIC HEARING ON PROPOSED GROUNDWATER MANAGEMENT PLAN FOR THE LONE STAR GROUNDWATER CONSERVATION DISTRICT 9/17/03**

NOTICE IS HEREBY GIVEN to all interested persons within Montgomery County, Texas:

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1. Call to Order.
2. Summary presentation of the proposed Groundwater Management Plan for the Lone Star GCD as required by Chapter 36 of the Texas Water Code and Chapter 356 of the Texas Water Development Board's (TWDB) rules contained in Title 30 of the Texas Administrative Code.
3. Public comment on proposed plan.
4. Adjournment.

A copy of the proposed Groundwater Management Plan may be requested by email at lsgcd@txucom.net or copies will be available at the LSGCD office located at 322 N Main, Conroe, TX. Any person who wishes to receive more detailed information on the above listed agenda should contact Kathy Jones, General Manager, at 936/494-3436.

LONE STAR
GROUNDWATER CONSERVATION DISTRICT

PO Box 2467 • 332 N Main • Conroe, Texas 7730
local 936/494-3436 • metro 936/441-3437 • fax 936/494-343
e-mail: lsgcd@txucom.net • www.lonestargcd.or

Kathy Jones
*General Manager*

Board of Directors

Richard Tramm
*President*

Orval R. Love
*Vice-President*

Paula J. Hargis
*Secretary/Treasurer*

C. Brandon Creighton
*Board Assistant Secretary*

James R. Adams

David Kleimann

Craig Lonon

Jim Stinson

W. B. Wood

October 28, 2003

**VIA: Certified Mail 7003 0500 0004 1497 3373**

Mr. J. Kevin Ward
Executive Administrator
Texas Water Development Board
1700 N Congress Avenue
Austin, Texas 78711-3231

RE: Transmittal of District Groundwater Management Plan

Dear Mr. Ward:

The Board of Directors of the Lone Star Groundwater Conservation District (District) adopted the enclosed "Groundwater Management Plan" by resolution on October 14, 2003, for Texas Water Development Board (TWDB) review and certification as required by Chapter 36.1072(a) of the Texas Water Code. The management plan fulfills the requirements of Chapter 36 of the Texas Water Code and Chapter 356 of the TWDB rules contained in Title 31 of the Texas Administrative Code.

The management plan will remain in effect for ten years from the date of certification as administratively complete by the Texas Water Development Board, unless the District adopts an amended management plan that is certified by the Texas Water Development Board. The amended management plan will take effect as of the date of certification. In accordance with the provisions of Chapter 36 of the Texas Water Code, the District's management plan shall be reviewed annually and readopted with or without revisions at least every five years.

A copy of the District's Rules are attached as an addendum to support the Management Goals, Objectives and Performance Standards detailed in the management plan in accordance with §36.1071(f), as well as a certified copy of the resolution adopting the plan and other documents demonstrating compliance with the regulatory and statutory requirements related to development and adoption of groundwater district management plans, including evidence of coordination with surface water management entities, of coordination with the Region H Regional Water Planning Group, and that the plan was adopted after notice and hearing.

The District appreciates the continuing efforts TWDB staff has made during the preparation of this management plan. TWDB staff has contributed in many significant ways to help bring this management plan to its present level. We thank them very kindly.

Please let me know if you require any additional information in the review of our management plan.

Sincerely,

Kathy Jones
General Manager

KJ

Attachments

LONE STAR
GROUNDWATER CONSERVATION DISTRICT

PO Box 2467 • 332 N Main • Conroe, Texas
local 936/494-3436 • metro 936/441-3437 • fax 936/494
e-mail: lsgcd@txucom.net • www.lonestargc

Kathy Jones
*General Manager*

Board of Directors

Richard Tramm
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*Vice-President*

Paula J. Hargis
*Secretary/Treasurer*

C. Brandon Creighton
*Board Assistant Secretary*

James R. Adams

David Kielmann

Craig Lonon

Jim Stinson

W. B. Wood

October 17, 2003

**VIA: Certified Mail 7003 0500 0004 1497 3366**

Mr. James R. Adams, Chair
Region H Water Planning Group
PO Box 329
Conroe, Texas 77305

**RE: Draft Groundwater Management Plan**

Dear Chairman Adams:

Please find enclosed a copy of the Lone Star Groundwater Conservation District's "Groundwater Management Plan". The Plan was adopted by the Lone Star GCD Board of Directors on October 14, 2003.

The Board used information from the Regional Water Plan in considered of the development of the Plan. It is the District's belief that no conflicts exist between the management plan and the regional water plan. As required by Chapter 36.1071 of the Texas Water Code and Chapter 356.6 of the Texas Water Development Board's (TWDB) rules contained in Title 31, Texas Administrative Code, please review and specify any areas of conflict that the Region H Water Planning Group may have on the District's groundwater management plan.

Please let me know if you should need any additional information in your review of our Plan. The Lone Star GCD looks forward to continuing working cooperatively with Region H to plan for the future water needs of Montgomery County.

Sincerely,

Kathy Jones
General Manager

KJ

Enclosure

7003 0500 0004 1497 3366

**CERTIFIED MAIL™ RECEIPT**
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Mr. James R. Adams, Chair
Region H Water Planning Group
PO Box 329
Conroe, Texas 77305

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PO Box 329
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David Kielmann

Craig Lonon

Jim Stinson

W. B. Wood

October 17, 2003

**VIA: Certified Mail 7003 0500 0004 1497 3359**

Mr. James R. Adams
General Manager
San Jacinto River Authority
PO Box 329
Conroe, Texas 77305

**RE: Groundwater Management Plan**

Dear Jim:

Please find enclosed a copy of the Lone Star Groundwater Conservation District's "Groundwater Management Plan". The Plan was adopted by the Lone Star GCD Board of Directors on October 14, 2003.

As required by Chapter 36.1071 of the Texas Water Code and Chapter 356.6 of the Texas Water Development Board's (TWDB) rules contained in Title 31, Texas Administrative Code, please review and provide comments that the San Jacinto River Authority (SJRA) may have on the District's groundwater management plan.

Please let me know if you should need any additional information in your review of our Plan. The Lone Star GCD looks forward to continuing working cooperatively with the SJRA to manage the water resources and plan for the future water needs of Montgomery County.

Sincerely,

Kathy Jones
General Manager

KJ

Enclosure

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General Manager
San Jacinto River Authority
PO Box 329
Conroe, Texas 77305

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X Janelle May ☐ Agent ☐ Addressee

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Brandon Creighton
*Assistant Secretary*

James R. Adams

Larry Jacobs

David Kielmann

Craig Lonon

Jim Stinson

September 8, 2003

**VIA: Certified Mail 7003 0500 0004 1497 3342**

Mr. James R. Adams, Chair
Region H Water Planning Group
1577 Dam Site Road
Conroe, Texas 77304

**RE: Draft Groundwater Management Plan**

Dear Chairman Adams:

Please find enclosed a copy of the Lone Star Groundwater Conservation District's draft groundwater management plan for your review as required by Chapter 36.1071 of the Texas Water Code and Chapter 356 of the Texas Water Development Board's (TWDB) rules contained in Title 30 of the Texas Administrative Code.

The Board of Directors of the Lone Star Groundwater Conservation District will hold a hearing open to the public on Wednesday, September 17, 2003, beginning at 9:00 a.m., in the Conroe City Council Chambers located in the Conroe Towers Building at 300 West Davis, Conroe, Texas. At this time a summary presentation of the plan will be offered and public comment will be taken.

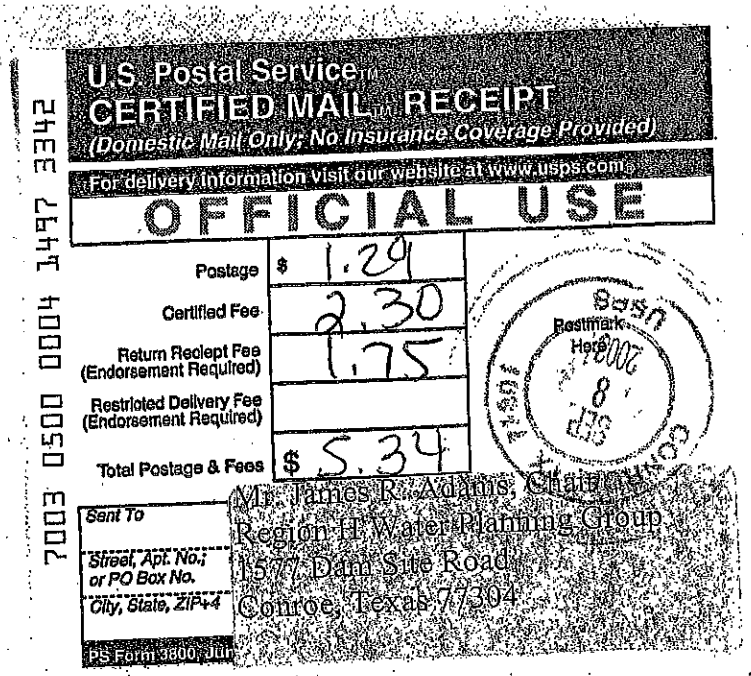
For additional information of questions, please contact the District at your convenience.

Sincerely,

Kathy Jones

KJ

Enclosure



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*Assistant Secretary*

James R. Adams

Larry Jacobs

David Kleimann

Craig Lonon

Jim Stinson

September 8, 2003

**VIA: Certified Mail 7003 0500 0004 1497 3335**

Mr. James R. Adams
San Jacinto River Authority
1577 Dam Site Road
Conroe, Texas 77304

**RE: Draft Groundwater Management Plan**

Dear Jim:

Please find enclosed a copy of the Lone Star Groundwater Conservation District's draft groundwater management plan for your review as required by Chapter 36.1071 of the Texas Water Code and Chapter 356 of the Texas Water Development Board's (TWDB) rules contained in Title 30 of the Texas Administrative Code.

The Board of Directors of the Lone Star Groundwater Conservation District will hold a hearing open to the public on Wednesday, September 17, 2003, beginning at 9:00 a.m., in the Conroe City Council Chambers located in the Conroe Towers Building at 300 West Davis, Conroe, Texas. At this time a summary presentation of the plan will be offered and public comment will be taken.

For additional information of questions, please contact the District at your convenience.

Sincerely,

Kathy Jones

KJ

Enclosure

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