

**Brazoria County Groundwater Conservation District**  
**Groundwater Management Plan**  
**2017 Annual Report**

December 2017

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**Annual Report**  
**2017**  
**Groundwater Management Plan**  
**Management Goals**

Brazoria County Groundwater  
Conservation District

## Introduction

In accordance with the Brazoria County Groundwater Conservation District's ("District") Groundwater Management Plan (BCGCD, 2012), the General Manager of the District will prepare and submit an annual report (Annual Report) to the District Board of Directors. The Annual Report is to include an update on the District's performance in achieving the management goals contained in the Groundwater Management Plan. The general manager will present the Annual Report to the Board of Directors within ninety (90) days following the completion of the District's Fiscal Year (FY). A copy of the annual audit of District financial records will be included in the Annual Report. The District will maintain a copy of the Annual Report on file for public inspection at the District offices, upon adoption by the Board of Directors. Following is a discussion of the District's performance in achieving the management goals.

## Management Goals

**1. Providing the Most Efficient Use of Groundwater – 31 TAC § 356.52(a)(1)(A)**

- 1.1. Objective** – Each year, the District will require registration or permitting of all new wells within the boundaries of the District.

**Performance Standard** – The District has registered 459 exempt wells during FY 2017. These registrations apply to wells exempted by the District rules that would otherwise require a permit. Mappable exempt wells are shown in *Exhibit 1* of this document.

TYPE OF REGISTRATION	REGISTERED	PERCENT
Single Family Residential	418	91.1
Agricultural	29	6.3
Industrial / Other*	12	2.6
<b>TOTALS</b>	<b>459</b>	<b>100</b>

*\*Includes industrial or other wells exempted from permitting by District rules, including oil and gas rig supply wells, wells used for monitoring, injection, dewatering, leachate recovery, and other similar exempted purposes.*

**Performance Standard** – The District has permitted 34 additional wells during FY 2017. Permitted wells with recorded geographic data are also shown in *Exhibit 1* of this document.

- 1.2. **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.

**Performance Standard** – The District has accepted and processed applications for the permitted use of groundwater in the District in accordance with the permitting process established by the District Rules. A summary of the applications is presented below.

TYPE OF PERMIT	APPLICATIONS RECEIVED	PERMITS ISSUED	PERCENT
Commercial / Domestic	11	11	32.4
Industrial	8	8	23.5
Public Water Systems	9	9	26.5
Other	6	6	17.6
<b>TOTALS</b>	<b>34</b>	<b>34</b>	<b>100</b>

**2. Controlling and Preventing Waste of Groundwater – 31 TAC § 356.52(a)(1)(B)**

- 2.1. 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.

**Performance Standard** – During FY 2016 and FY 2017, the District engaged in a process of evaluation of the District Rules with assistance from Mr. Gregory M. Ellis, Attorney for the District. Proposed rule amendments were published on the District's website and a public hearing was held on September 8, 2016, with the amendments subsequently adopted by the District on January 12, 2017. Amendments to the District Rules included description of payment terms for production fees, impacts of non-payment of those fees, and procedures and qualifications for production fee rebates.

- 2.2. 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.

**Performance Standard** – The District website provides links to references regarding waste reduction and water conservation, including a brochure detailing indoor waste reduction and water conservation practices as shown in *Appendix A* of this report.

**3. Controlling and Preventing Subsidence – 31 TAC § 356.52(a)(1)(C)**

- 3.1. Objective** – Each year, the District may participate in a joint conference with the neighboring Groundwater Conservation or Subsidence Districts focused on sharing information regarding subsidence and the control and prevention of subsidence through the regulation of groundwater.

**Performance Standard** – During FY 2017, the District continued its participation with surrounding Groundwater Conservation and Subsidence Districts as part of the efforts associated with Groundwater Management Area 14 (GMA 14). At the District meeting on August 11, 2015, the Board of Directors adopted the Desired

Future Conditions for the Gulf Coast Aquifer in GMA 14. GMA 14 subsequently adopted DFCs for relevant aquifers within the GMA on April 29, 2016.

Additionally, the District has partnered with Harris-Galveston Subsidence District (HGSD) to expand the regional subsidence monitoring network. Under an Interlocal Agreement between the District and HGSD, seven Periodically Active Monitoring (PAM) sites have been installed in Brazoria County for the purpose of gathering data on land elevations and subsidence. These PAM sites are in service, expanding upon other subsidence monitoring efforts within the county and anticipated to greatly increase the available information regarding local subsidence.

- 3.2. **Objective** – Each year, the District will provide one article on the District's website to educate the public on the subject of subsidence.

**Performance Standard** – The District website provides links to references on subsidence, including the information shown in *Appendix B* of this report.

#### 4. **Conjunctive Surface Water Management Issues – 31 TAC § 356.52(a)(1)(D)**

- 4.1. **Objective** – Each year, the District will participate in the regional planning process by attending, as able, the Region H - Regional Water Planning Group meetings to encourage the development of surface water supplies to meet the needs of water user groups in the District.

**Performance Standard** – The District General Manager attended all three of the Region H Water Planning Group meetings held during FY 2017.

#### 5. **Drought Conditions – 31 TAC § 356.52(a)(1)(F)**

- 5.1. **Objective** – Each month, the District will check for the periodic updates to the Drought Monitor (<http://droughtmonitor.unl.edu/>).

**Performance Standard** – Brazoria County experienced conditions ranging from normal to abnormally dry during FY 2017, with the majority of the year being within the normal rainfall range. The District monitored the status of the drought conditions in the District and prepared regular briefings to the Board of Directors. Individual monthly drought maps are presented in *Appendix C*.

**6. Conservation, Recharge Enhancement, Rainwater Harvesting, Precipitation Enhancement, or Brush Control Where Appropriate and Cost Effective – 31 TAC § 356.52(a)(1)(G)**

**6.1. Objective** – Each year, the District will provide one article or a link to an article on the District's website regarding water conservation.

**Performance Standard** – The District website provides links to several references on water conservation practices and related topics, including a brochure detailing indoor waste reduction and water conservation practices as shown in *Appendix A* of this report.

**6.2. Objective** – Each year, the District will provide one article or a link to an article on the District's website regarding rainwater harvesting.

**Performance Standard** – The District website provides links to several references on rainwater harvesting, including the Texas Water Development Board's *Texas Manual on Rainwater Harvesting* and other summaries of common rainwater harvesting practices. One such article is included in *Appendix D* of this report.

**7. Natural Resource Issues That Affect the Use and Availability of Groundwater or Are Affected by the Use of Groundwater - 31 TAC § 356.52(a)(1)(E)**

**7.1 Objective** – Each year the District will query the Texas Railroad Commission database to determine if any new salt water or waste disposal injection wells have been permitted by the Texas Railroad Commission to operate within the District.

**Performance Standard** – The District has received data from the Texas Railroad Commission identifying the location of existing salt waste or waste disposal injection wells within the District. This data is attached in *Appendix E* and is mapped in *Exhibit 2* of this document. Based on the information provided, no new injection wells were identified in Brazoria County for FY 2017.

- 7.2 **Objective** – Each year, the District will evaluate available data regarding the aquifers of the District and the quality of groundwater within the District.

**Performance Standard** – Although the District does not currently maintain an independent groundwater quality monitoring network, the District does support and partially fund ongoing research efforts in Brazoria County by the United States Geological Survey (USGS). At the District meeting on November 10, 2016, the Board of Directors approved the Fiscal Year 2017 Joint Funding Agreement with USGS for water resource investigation. In addition to joint efforts with USGS, the District Field Operations Coordinator has continued efforts to perform on-site assessment of well infrastructure and identify potential violations of District rules.

8. **Addressing in a Quantitative Manner the Desired Future Condition of the Groundwater Resources – 31 TAC § 356.52(a)(1)(H)**

- 8.1 **Objective** – The District may undertake development of a more comprehensive well record database to facilitate District operations and achievement of management goals.

**Performance Standard** – The District initiated development of a more comprehensive well record database in FY 2013. This database now serves as the primary interface for storage and retrieval of permit and well data. District staff, along with ESX Inc., have continued the process of refining this system.

- 8.2 **Objective** – Each year, the District will evaluate available data regarding the aquifers of the District and the production of groundwater within the District, including consistency of aquifer levels with DFCs.



**Performance Standard** – Although the District does not currently maintain an independent groundwater level monitoring network, the District does support and partially fund ongoing research efforts in Brazoria County by the USGS. At the District meeting on November 10, 2016, the Board of Directors approved the Fiscal Year 2017 Joint Funding Agreement with USGS for water resource investigation.

## **9. Annual Audit of District Financial Records**

A copy of the 2016 annual audit of the District financial records is included as *Appendix F* of this report. The 2017 audit will be completed in early 2018 and will be included in next year's report.

## **References**

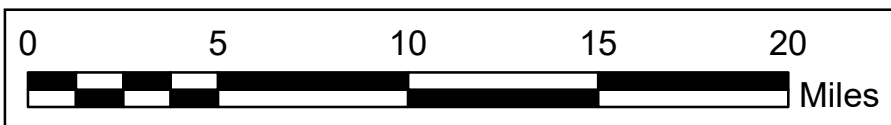
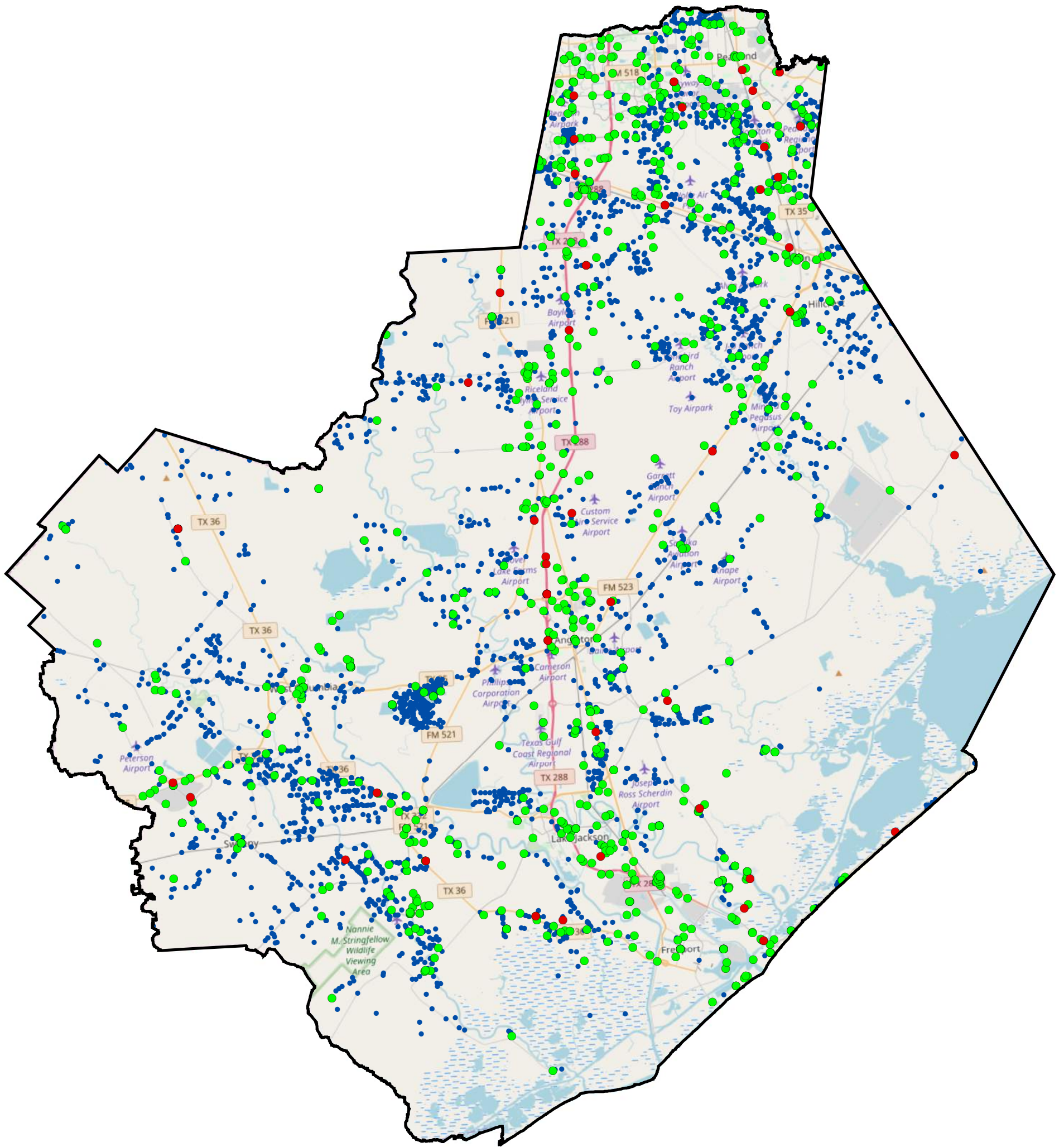
Brazoria County Groundwater Conservation District (BCGCD), 2012. "Brazoria County Groundwater Conservation District Groundwater Management Plan." Adopted December 13, 2012.

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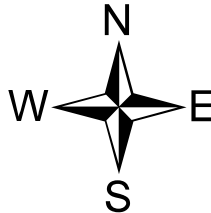
# Exhibits

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- Existing Permit
- New Permit
- Exempt Wells

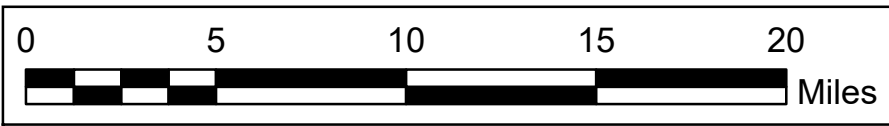
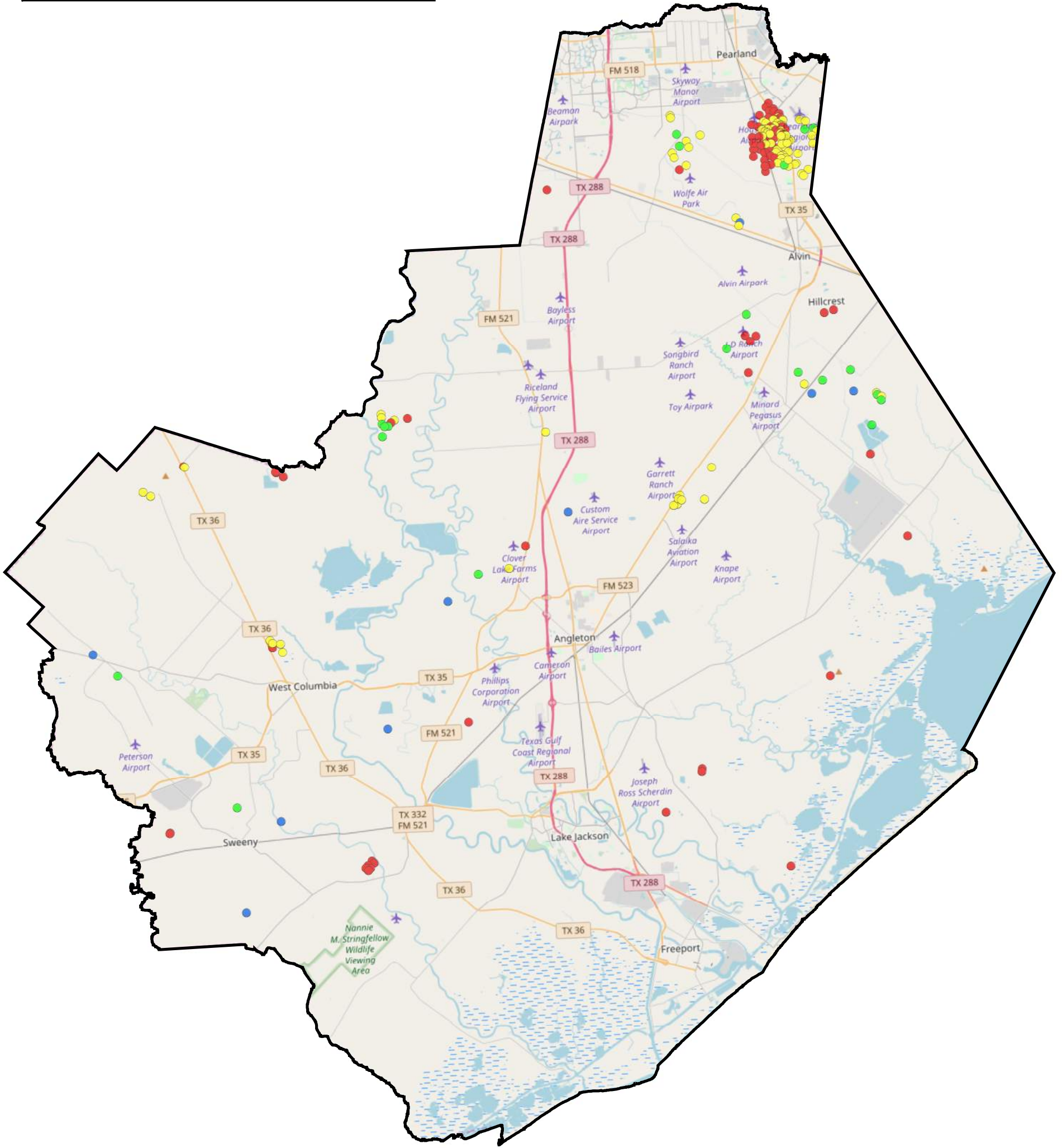


Based on BCGCD Database as of 2017/10/26

 <b>Freese and Nichols</b> 10497 Town and Country Way Suite 600 Houston, Texas 77024 713-600-6800		<b>BRAZORIA COUNTY GROUNDWATER CONSERVATION DISTRICT</b>	FN JOB NO      BZG15513 FILE            Exh 1 FY17 DistWells.mxd DATE            October 2017	<b>1</b>  <b>Exhibit</b>
		<b>FY 2017 Permit Wells and Documented Exempt Wells</b>	SCALE            1:320,000 DESIGNED        02735 DRAFTED         02735	

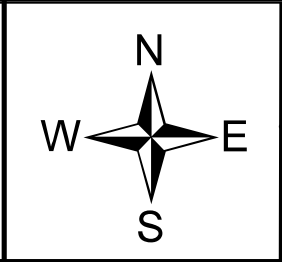


- Injection/Disposal From Gas
- Injection/Disposal From Oil
- Injection/Disposal From Oil/Gas
- Injection/Disposal Well



Injection Wells - Bottom Well Locations  
 Texas Railroad Commission Data  
 Received October 2017  
 No new wells since November 2016

**Freese and Nichols**  
 10497 Town and Country Way Suite 600  
 Houston, Texas 77024  
 713-600-6800



**BRAZORIA COUNTY GROUNDWATER  
 CONSERVATION DISTRICT**

**Injection Wells**

FN JOB NO	BZG15513
FILE	Exh 2 FY17 Injection.mxd
DATE	October 2017
SCALE	1:320,000
DESIGNED	02735
DRAFTED	02735

**2**

**Exhibit**

Appendix A  
Public Information Provided by the District  
Regarding Reducing Waste

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## PRACTICE GOOD WATER-USE HABITS

### Kitchen

- Dry scrape dishes instead of rinsing them, and do not pre-rinse dishes if you are using the dishwasher.
- Run the dishwasher with a full load to save water, energy, detergent, and money.
- If your machine has a “quick wash” or “light duty” cycle setting, use it!
- Fill a basin or the sink with soapy water instead of letting the water run continuously when washing dishes by hand. Soak pans rather than scrubbing them while the water is running.
- Rinse produce in a pan of cold water instead of letting the water run.
- Transfer frozen foods to the refrigerator to defrost the night before you need them instead of letting water run over them.
- Keep a container of water in the refrigerator rather than running tap water until it is cool enough to drink.
- Limit the use of garbage disposals and consider composting.

### Laundry room

- Wash only full loads.
- Match the load setting with the amount of laundry to be washed if you must wash partial loads.
- Use the shortest wash cycle for lightly soiled loads as it uses less water than other cycles.

### Bathroom

- Use only as much water as you really need, and turn the water off when you aren't using it.
- Never use your toilet to dispose of trash.
- Run water just to wet and rinse the toothbrush instead of allowing the water to run while brushing your teeth. Apply the same idea when washing your hands.
- Take a short shower instead of a bath.
- Turn off the water while you are shampooing your hair.
- Find out what a “greywater system” can do and if it is right for your situation.



## Texas Water Development Board

[www.twdb.texas.gov](http://www.twdb.texas.gov)

P.O. Box 13231  
Austin, Texas 78711-3231



Visit the following website for additional information.

[www.epa.gov/watersense](http://www.epa.gov/watersense)

## CONSERVING WATER INDOORS



**YOU CAN EASILY SAVE WATER** at home and at work through simple practices such as installing water-efficient fixtures and locating and eliminating leaks.

Water use in Texas averages 169 gallons per person per day. By adopting water-saving measures, you can reduce that amount and save money. Making a habit of conservation makes sense. It protects the water resources of both current and future Texans.

rev. 08/14

## INSTALL WATER-EFFICIENT APPLIANCES AND FIXTURES

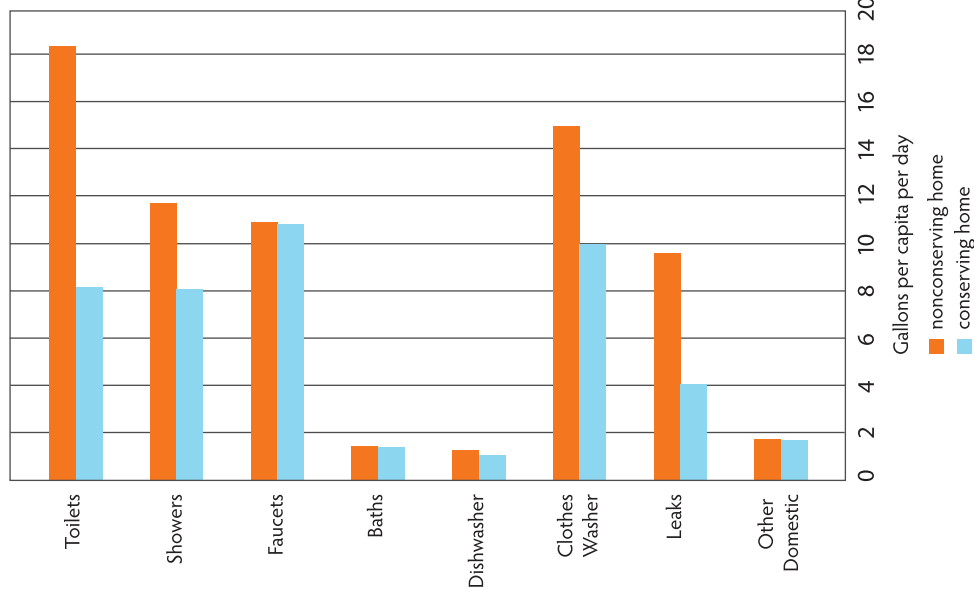
**Toilets:** Toilets are by far the main source of water use in the home, accounting for approximately 30 percent of indoor water use. They also happen to be a major source of leaks and/or inefficiency. Under state and federal law, toilets must not exceed 1.28 gallons per flush.

- Over the course of your lifetime, you will likely flush the toilet nearly 140,000 times. If you install a high-efficiency toilet, you can save 4,000 gallons per year.
- Many local utilities offer rebates to replace old toilets.
- A leaky toilet can waste 200 gallons of water per day, and it is estimated that nearly 20 percent of all toilets leak.
- Test toilets for leaks. Once in a while, take the top off your toilet tank and watch it flush. Do you notice any leaks? Yes? Replace the flapper or rubber washer. Don't forget about those less obvious leaks. Add a few drops of food coloring or a dye tablet to the water in the tank, but do not flush the toilet. If the coloring appears in the bowl within a few minutes, the toilet has a leak that needs to be repaired.
- Check toilet parts regularly. Replace worn parts with good quality parts as necessary, and retest to make sure the leak has been fixed.

**Showers:** Installing a water-efficient showerhead is one of the single most effective water-saving steps you can take inside your home.

Take shorter showers. A full bathtub can require up to 70 gallons of water versus a 5-minute shower that uses as little as 10 gallons.

Average indoor water use in conserving versus nonconserving single-family homes in North America



The average indoor use in a conserving North American single-family home is 45.2 gallons per capita per day, and in a nonconserving home it is 69.3 gallons per capita per day.

Source: *Handbook of Water Use and Conservation*, 2001.

## DON'T WAIT TO FIX LEAKS!

Leaks waste both water and energy and could account for 10 percent or more of your water bill.

Use your water meter to check for invisible leaks.

- Turn off all faucets and any water-using appliances.
- Read the dial on the water meter and record the numbers. (It is often located along the property line near the street.)
- Recheck the meter after 15 to 20 minutes.

If the numbers on the meter changed while no water was used, you have a leak! The services of a plumber or trained water utility employee are often required to locate and fix these invisible leaks.

**Sinks:** Install faucet aerators on sinks for a simple, cost-effective way to save water. Aerators are inexpensive and do not require special adapters. The faucet's efficiency can double without sacrificing performance.

Faucet leaks are usually caused by worn washers or "O" rings (for a washerless faucet). Note the faucet brand, and take the original part with you to a home improvement center for an easy and inexpensive solution.

**Washing Machines:** When buying a washer, look for a high-efficiency model that has adjustable water levels for different load sizes. High-efficiency washers use 35 to 55 percent less water and 50 percent less energy. They also require less detergent, rinse more thoroughly, are less abrasive on clothes, and can fit larger capacity loads in the same size drum.

**Dishwashers:** High-efficiency dishwashers use a maximum of 7 gallons per load, but some use as little as 2.1 gallons. Replacing an older model with a water-efficient model could cut dishwasher water use in half. Look for energy efficiency features to cut costs even more.



Appendix B  
Public Information Provided by the District  
Regarding Subsidence

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[Harris Galveston Subsidence District](#)Search for:  

- [HOME](#)
- [ABOUT](#)
- [MEETINGS](#)
- [FORMS](#)
- [RULES & REGS](#)
- [FAQ's](#)
- [LINKS](#)
- [EDUCATION](#)
- [SUBSIDENCE DATA](#)

## Measurement FAQ's

### – Why do we measure subsidence?

In the simplest terms, it keeps us from “flying blind”. Groundwater can be a significant freshwater source, but it is increasingly important that we use it wisely. The harmful effects of pumping too much groundwater must be minimized, and measuring subsidence plays a key role in this. The more data we have, and the more accurate that data is, the easier it is for us to maintain a necessary balance.

Measurements not only provide us with data on changes in land elevation, but they also provide us with the data necessary to calibrate models. Why is this important? It allows us to “see” into the future. Through these sophisticated groundwater and subsidence models, we can predict the results of future groundwater pumpage. This means we can plan ahead...developing groundwater regulations that will prevent foreseeable subsidence.

### – How do we measure subsidence?

The need for data and the distribution of that data is key. As early as 1906, surveys were conducted throughout the Houston area to establish permanent benchmarks (some of which are still used today). Over the years, subsidence measurement methods have evolved from manual site measurement of benchmarks to satellite-based technology, and for the Subsidence Districts, the goal has always been the same: to monitor the effects of groundwater withdrawal within our area (s), and to take appropriate actions based on those measurements.

All land measurement systems have been developed and controlled by the National Geodetic Survey (part of the National Oceanic and Atmospheric Administration – NOAA). From the

creation of the HGSD and FBSD to present-day, the NGS has been an integral partner...serving as counselor, setting standards, studying and housing data, and much more.

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## Conventional Measurement Method

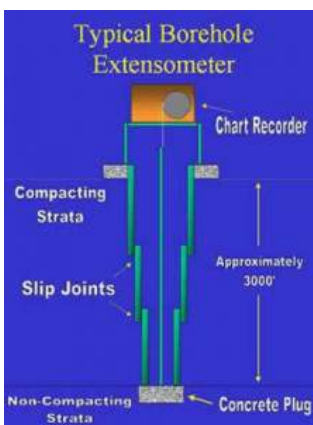


Also called “geodetic differential leveling”, this initial form of measurement originally consisted of the establishment of permanent benchmarks. Included in these benchmarks were precise elevations, latitudes and longitudes for each point.

As the land surface began to subside due to groundwater withdrawal, the need to relevel benchmarks became necessary. Over the years, new benchmarks were added (for a total of more than 2,500) and “relevelings” were conducted in 1978, and again in 1987. And although this measurement method provided excellent spatial subsidence data, the cost of the releveling procedure for a single epoch prohibited us from accessing up-to-date data at a rate necessary to sufficiently monitor the sometimes monthly, weekly, or even daily effects of subsidence. It was time to take advantage of new technologies that could provide us with the same accuracy, yet allow us to constantly monitor subsidence in a cost-effective way. In 1987, in conjunction with the conventional releveling, an experimental GPS releveling was initiated.

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## Borehole Extensometers



The first of thirteen (13) deep borehole extensometers (designed and installed by the United States Geological Survey – USGS – in the early 1960s) were used in preparation for the soon-to-be-built manned spacecraft center. Of the thirteen in operation today,



six (6) of those are “subsidence” or “total depth” monitors (meaning their bottom is below the aquifers from which we draw water), and the other seven (7) are less than total depth, or “compaction” monitors.

What are they and how do they work? Borehole extensometers are deeply anchored benchmarks. To construct each, a hole is drilled to a depth at which the strata are stable. The hole is then lined with a steel casing with slip-joints to prevent crumpling as subsidence occurs. An inner pipe rests on a concrete plug at the bottom of the borehole and extends to the top. This inner pipe then transfers the stable elevation below to the surface. A measurement of the distance from the inner pipe to the surrounding land surface provides us with the amount of compaction that has occurred.

Although the accuracy of this measurement method is impressive, there is one drawback. The high cost to construct and install the equipment prohibits their use in sufficient numbers, resulting in a lack of adequate information for the entire Harris-Galveston and Fort Bend areas. And, as was stated in the overview, the sufficient amount of and wide distribution of data is extremely important. Over time, as technologies have evolved, we have moved toward more cost-efficient and equally accurate forms of measurement...but borehole extensometers are playing an important role in this new era. Three of our existing extensometers have been outfitted with GPS (Global Positioning System) antennas, and are now the only stable GPS points within the greater Houston area.

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## GPS – Using Technology from the World Above To Monitor the Land Below

From feeds to our television sets to national security, the use of satellites has become almost commonplace, and our world of subsidence measurement is no different. In fact, we began working with GPS technology as far back as 1987, and the class-A benchmarks established for that very GPS releveling have proven to be the most valuable benchmarks in the Houston area.



So what do we gain from using GPS, and how does it differ from previous measurement methods? One of the most important advantages to GPS is the ability to have constant data. Using dual-frequency, full-wavelength GPS instruments (with geodetic antennas), data is collected at 30-second intervals and averaged over 24 hours. That means that specific stations being monitored can be assessed on a daily basis. And just as important, the measurements are more reliable and handled at a fraction of the cost. Improved GPS techniques

and processing have reduced the cost of releveling from millions of dollars to less than \$100,000, and the data provided is accurate to + or – one centimeter. Now that's progress!

Where are GPS measurements taken ? GPS measurements are taken using a system of CORS and PAM's. Sounds complicated, but it's really quite simple. Because of the broad extent of subsidence in the Houston-Galveston area, there were no stable benchmarks. Therefore, stable borehole extensometers were equipped with GPS antennas to provide a reference frame to measure subsidence at other stations throughout the area. These permanent stations are known as local GPS Continuously Operating Reference Stations, or CORS. In the mid 1990s, the District and NGS began developing the use of GPS Port-A-Measure, or PAM's., to provide subsidence measurements.

Seven, portable trailers were built to house and secure GPS receivers and associated equipment (batteries, recording equipment and solar panels). The trailers are moved weekly to different PAM stations where they record Phase data every 30 seconds, allowing for a week's worth of observations on each PAM, every month. The District also operates four (4) permanent CORS, which provide Phase data continuously, providing a basis from which change comparisons may be made and analyzed.

In addition to the points operated by the District, there are a number of additional CORS and Cooperative CORS which can also be used for monitoring purposes. They include:

- Eight (8) CORS operated by TXDOT
- Seven (7) CORS operated by the City of Houston
- A CORS in Angleton operated by the U.S. Coast Guard
- A WAAS (Wide Area Augmentation System) CORS in Houston operated by the FAA
- Six (6) other Cooperative CORS throughout the area

All additional CORS are relatively new and will require several months before they can be reliably used for monitoring.

Historical comparisons between the existing CORS and PAM's. have indicated that some sites are subsiding at rates of seven (7) centimeters per year. This correlates well with rates observed at the Extensometers.

The District plans to double the number of PAM's. from twenty-eight (28) to fifty-six (56), and this will be accomplished without an increase in personnel, equipment and overhead costs. Improvements in GPS equipment have recently eliminated the need for the seven trailers, and they will be phased out in the near future. The expansion of the monitoring network will not only permit a more comprehensive view of what is occurring in Houston and the surrounding areas, but will also serve as a future model for other localities facing similar problems.

With the equipment and technologies available, we're confident we can continue to accomplish our goal of curtailing, and eventually eliminating subsidence.

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## Measuring Subsidence in the Future

### The Evolution of GPS



In the GPS arena, a new Civil Frequency (L5) is in the planning stages for future satellites. Although not scheduled to be deployed for five years, this advancement will greatly increase the accuracy of GPS and decrease the time required for high-accuracy applications. High-accuracy positioning on moving platforms (auto, plane, boat) will be possible in real time, without the need to post process data through a computer to obtain solutions.

Also, the former Soviet Union and European Space Agencies will launch their own Global Satellite Navigation Systems which can be integrated with our current GPS system. As the number of space vehicles (satellites) increase, so to will the accuracies that can be obtained.

### **Evolving Technologies**

LIDAR (Light Detection and Ranging) and INSAR (Interferometric Synthetic Aperture Radar): these and other interferometric imaging techniques will play a major role in future subsidence detection and tracking as sensors and science improve.

### **Pulsars and Quasars and Stars**

In the not-so-distant future, as technology is developed to efficiently and affordably manufacture powerful semiconductors, GPS will likely be replaced by a system which will use stars, Pulsars, Quasars and more as a signal source. This futuristic navigation system will be more precise than GPS and will be available on a galactic scale!

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### **Contact HGSD**

Harris-Galveston Subsidence District  
1660 West Bay Area Blvd  
Friendswood, TX 77546-2640  
Voice : (281) 486-1105  
Fax: (281) 218-3700

### **Office Hours**

Monday – Friday  
8:00 AM – 5:00 PM  
Closed on State Holidays.

## Google Map to HGSD



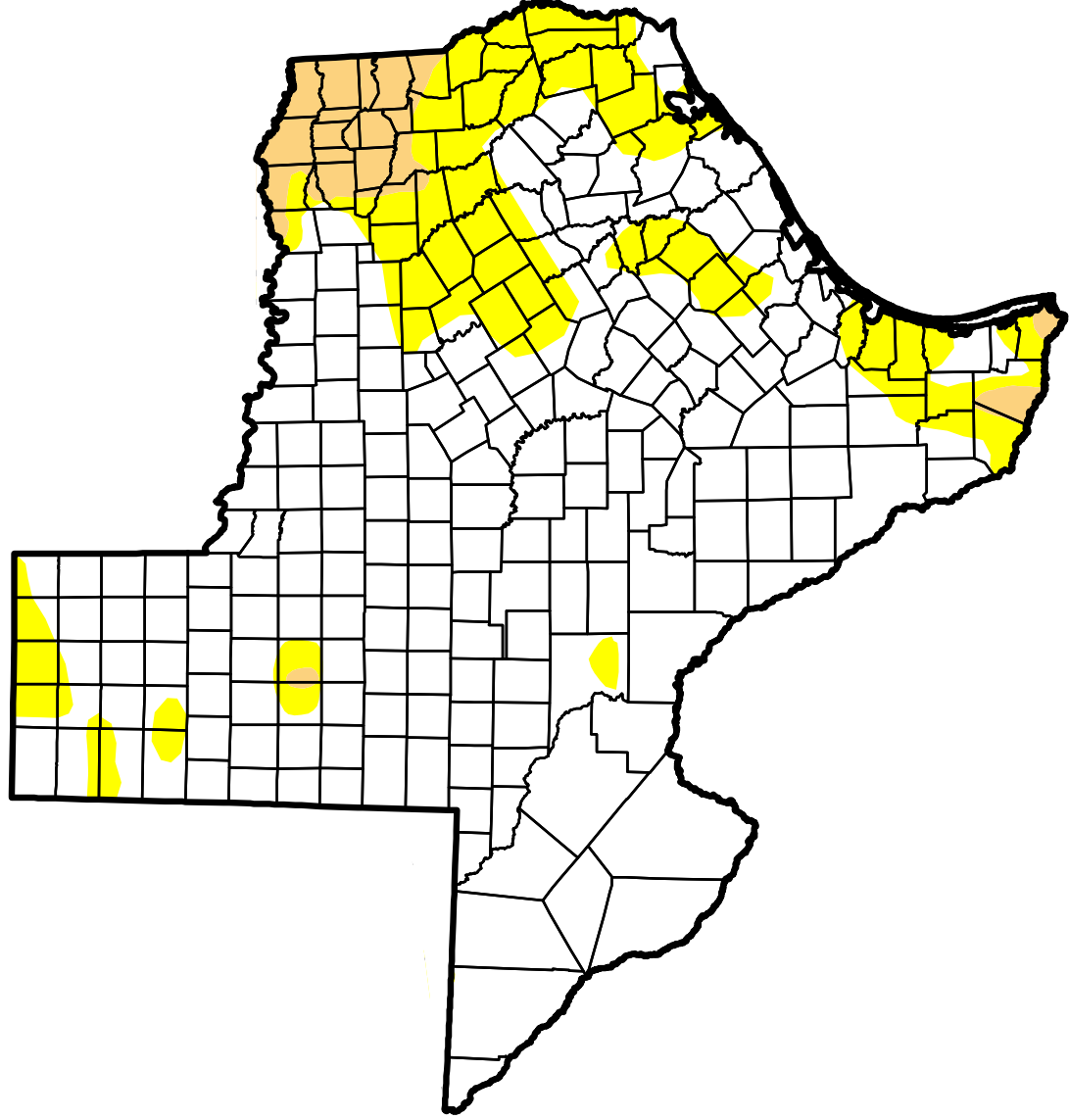
© 2014 **Harris-Galveston Subsidence District** Designed by [The Texas Network](#)  
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Appendix C  
U.S. Drought Monitor  
Monthly Summaries

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# U.S. Drought Monitor Texas

**October 11, 2016**  
 (Released Thursday, Oct. 13, 2016)  
 Valid 8 a.m. EDT



Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
<b>Current</b>	78.07	21.93	4.40	0.00	0.00	0.00
<b>Last Week</b> 10/4/2016	88.04	11.96	1.41	0.00	0.00	0.00
<b>3 Months Ago</b> 7/12/2016	93.97	6.03	0.00	0.00	0.00	0.00
<b>Start of Calendar Year</b> 12/29/2015	95.48	4.52	0.00	0.00	0.00	0.00
<b>Start of Water Year</b> 9/27/2016	94.83	5.17	0.62	0.00	0.00	0.00
<b>One Year Ago</b> 10/13/2015	36.47	63.53	47.03	31.88	13.89	1.42

**Intensity:**

- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
- D4 Exceptional Drought

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.

**Author:**  
 Brian Fuchs  
 National Drought Mitigation Center

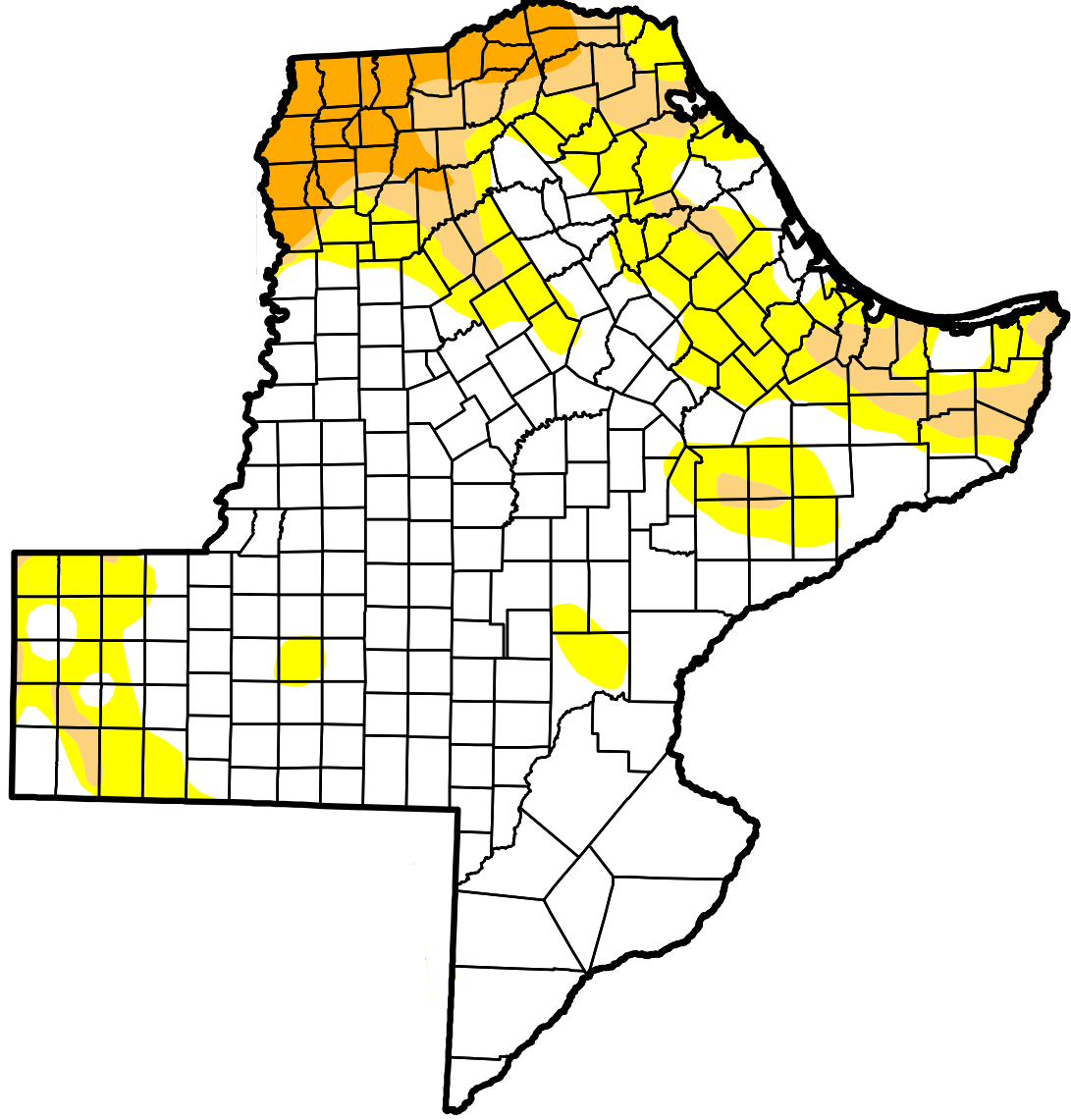


# U.S. Drought Monitor Texas

**November 8, 2016**  
 (Released Thursday, Nov. 10, 2016)  
 Valid 7 a.m. EST

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
<b>Current</b>	64.99	35.01	14.03	5.55	0.00	0.00
<b>Last Week</b> 11/1/2016	59.55	40.45	14.87	6.50	0.00	0.00
<b>3 Months Ago</b> 8/9/2016	55.83	44.17	10.16	0.93	0.00	0.00
<b>Start of Calendar Year</b> 12/29/2015	95.48	4.52	0.00	0.00	0.00	0.00
<b>Start of Water Year</b> 9/27/2016	94.83	5.17	0.62	0.00	0.00	0.00
<b>One Year Ago</b> 11/10/2015	90.15	9.85	0.61	0.00	0.00	0.00



**Intensity:**

- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
- D4 Exceptional Drought

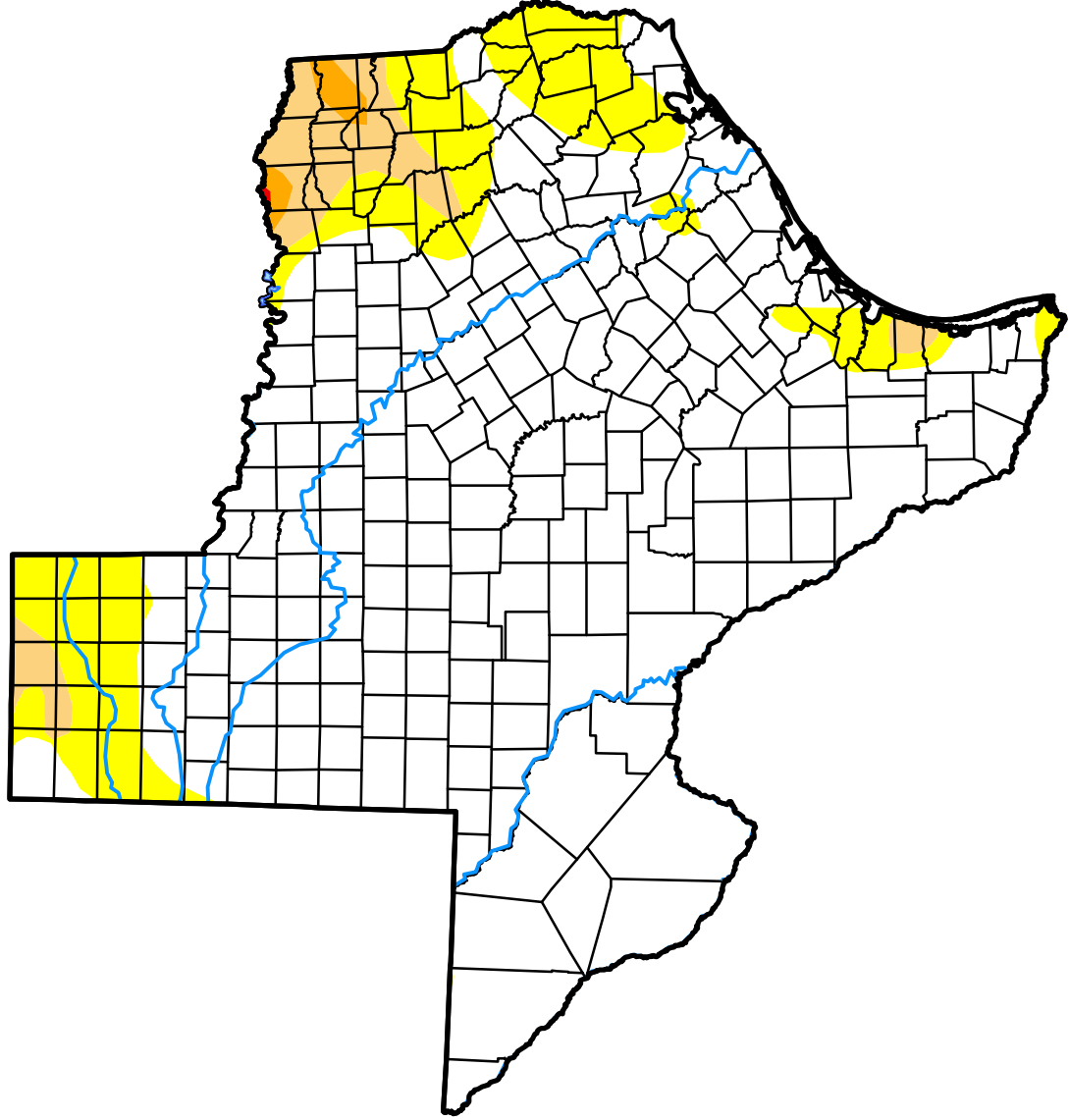
The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.

**Author:**  
 Deborah Bathke  
 National Drought Mitigation Center



# U.S. Drought Monitor Texas

**December 6, 2016**  
 (Released Thursday, Dec. 8, 2016)  
 Valid 7 a.m. EST



Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
<b>Current</b>	81.90	18.10	4.87	0.65	0.03	0.00
<b>Last Week</b> <i>11-29-2016</i>	66.37	33.63	14.18	3.27	0.08	0.00
<b>3 Months Ago</b> <i>09-06-2016</i>	92.46	7.54	0.57	0.00	0.00	0.00
<b>Start of Calendar Year</b> <i>12-29-2015</i>	95.48	4.52	0.00	0.00	0.00	0.00
<b>Start of Water Year</b> <i>09-27-2016</i>	94.83	5.17	0.62	0.00	0.00	0.00
<b>One Year Ago</b> <i>12-08-2015</i>	97.17	2.83	0.00	0.00	0.00	0.00

**Intensity:**

- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
- D4 Exceptional Drought

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.

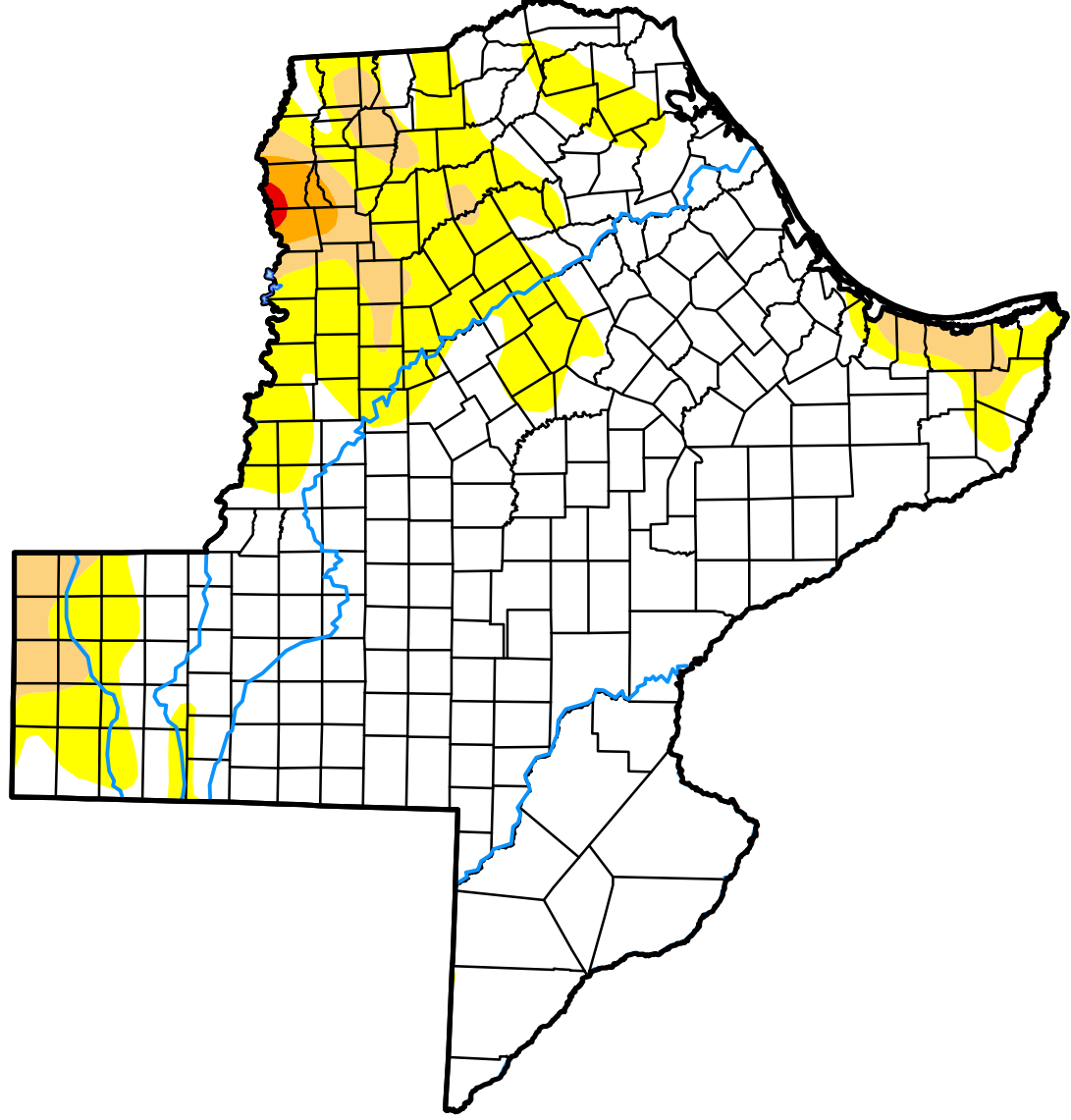
**Author:**  
 Anthony Artusa  
 NOAA/NWS/NCEP/CPC



# U.S. Drought Monitor

## Texas

**January 10, 2017**  
 (Released Thursday, Jan. 12, 2017)  
 Valid 7 a.m. EST



Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
<b>Current</b>	74.87	25.13	6.04	0.88	0.14	0.00
<b>Last Week</b> <i>01-03-2017</i>	81.50	18.50	6.29	1.97	0.04	0.00
<b>3 Months Ago</b> <i>10-11-2016</i>	78.07	21.93	4.40	0.00	0.00	0.00
<b>Start of Calendar Year</b> <i>01-03-2017</i>	81.50	18.50	6.29	1.97	0.04	0.00
<b>Start of Water Year</b> <i>09-27-2016</i>	94.83	5.17	0.62	0.00	0.00	0.00
<b>One Year Ago</b> <i>01-12-2016</i>	98.31	1.69	0.00	0.00	0.00	0.00

**Intensity:**

- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
- D4 Exceptional Drought

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.

**Author:**  
 David Miskus  
 NOAA/NWS/NCEP/CPC





# U.S. Drought Monitor Texas

**February 7, 2017**  
 (Released Thursday, Feb. 9, 2017)  
 Valid 7 a.m. EST

Drought Conditions (Percent Area)

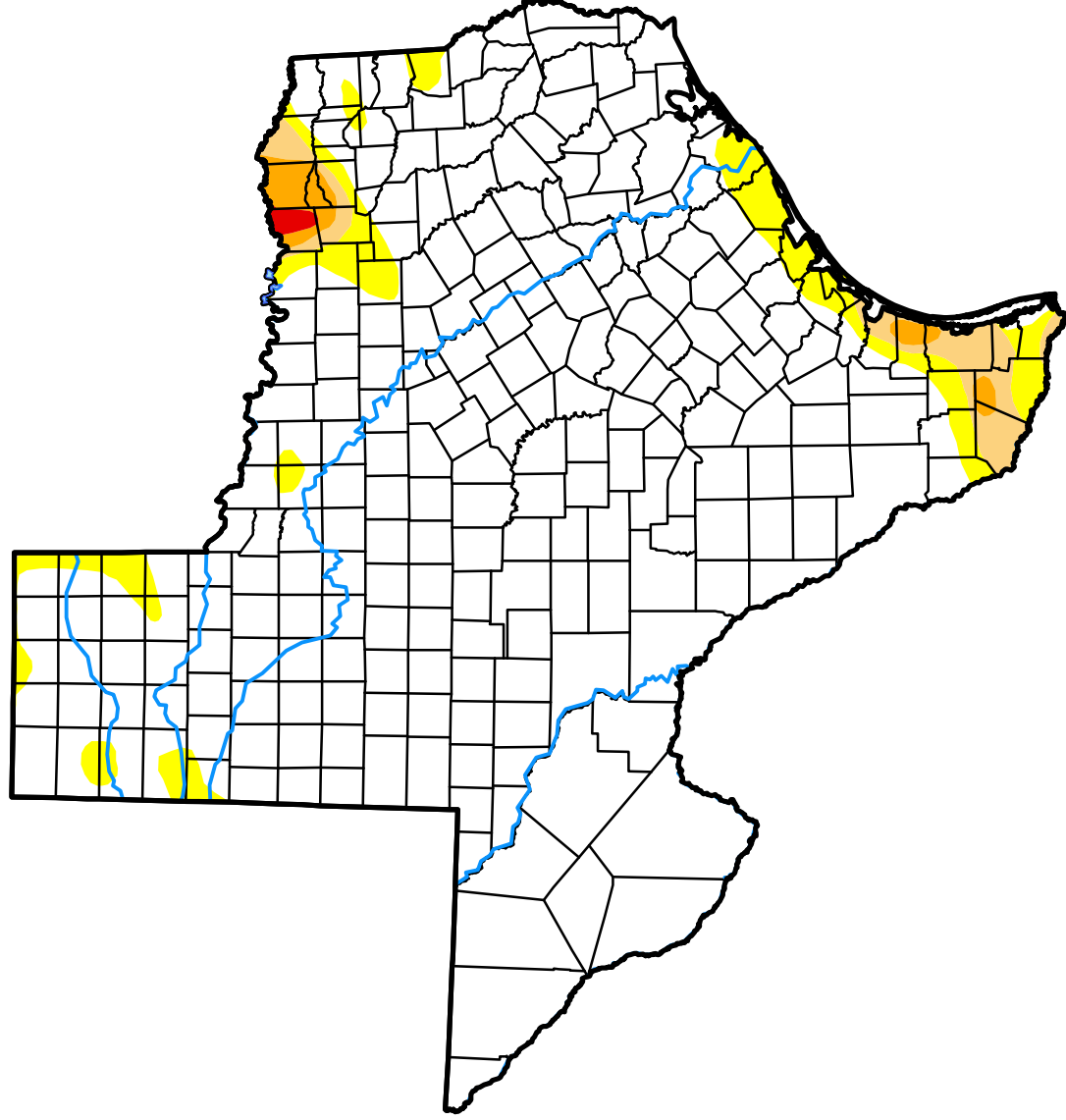
	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
<b>Current</b>	90.56	9.44	3.40	1.22	0.19	0.00
<b>Last Week</b> <i>01-31-2017</i>	92.34	7.66	3.40	1.08	0.01	0.00
<b>3 Months Ago</b> <i>11-08-2016</i>	64.99	35.01	14.03	5.55	0.00	0.00
<b>Start of Calendar Year</b> <i>01-03-2017</i>	81.50	18.50	6.29	1.97	0.04	0.00
<b>Start of Water Year</b> <i>09-27-2016</i>	94.83	5.17	0.62	0.00	0.00	0.00
<b>One Year Ago</b> <i>02-09-2016</i>	88.01	11.99	0.00	0.00	0.00	0.00

**Intensity:**

- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
- D4 Exceptional Drought

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.

**Author:**  
 David Simeral  
 Western Regional Climate Center

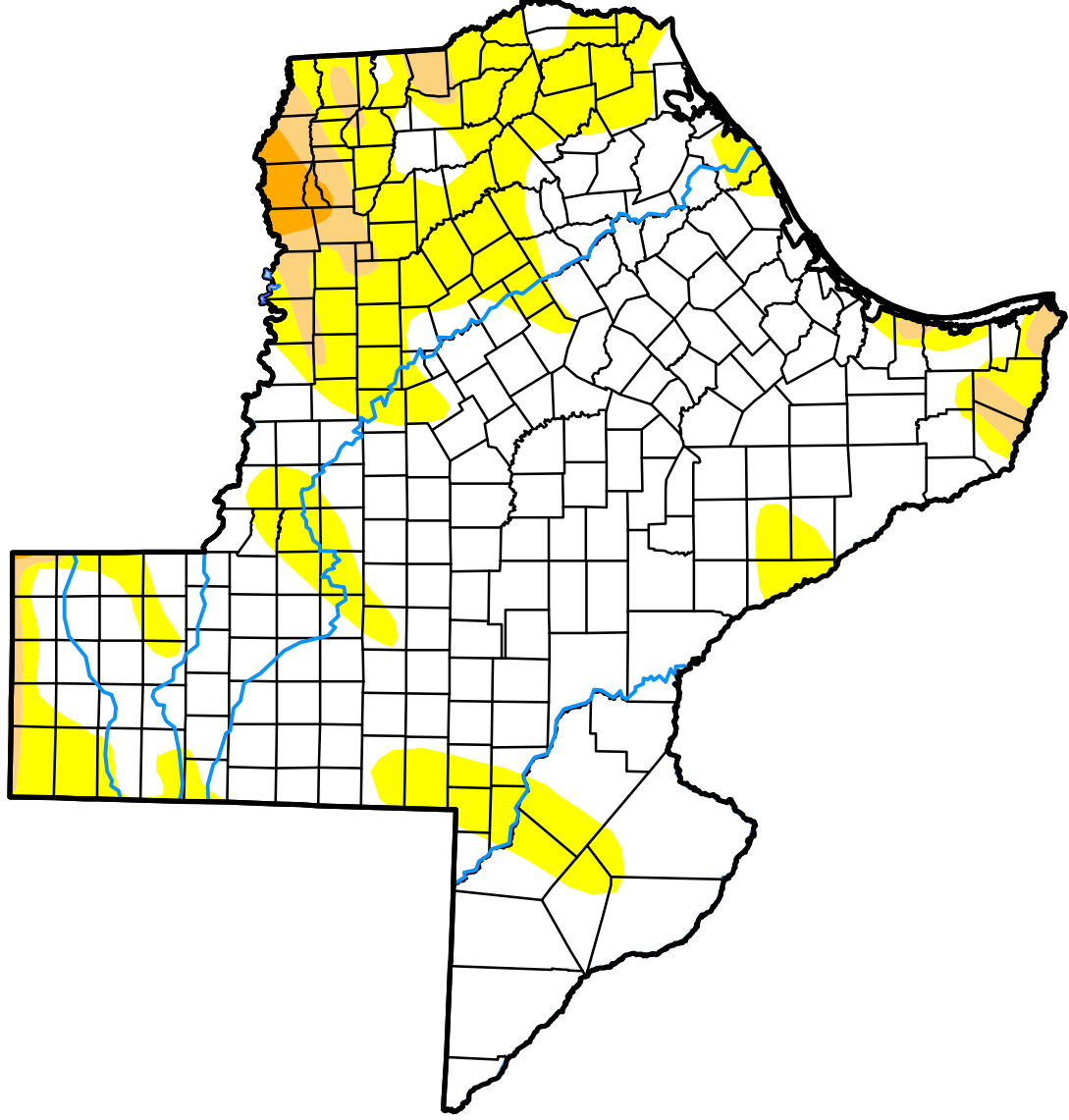


# U.S. Drought Monitor Texas

## March 7, 2017

(Released Thursday, Mar. 9, 2017)

Valid 7 a.m. EST



Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
<b>Current</b>	70.92	29.08	4.65	0.93	0.00	0.00
<b>Last Week</b> <i>02-28-2017</i>	75.50	24.50	3.93	1.01	0.00	0.00
<b>3 Months Ago</b> <i>12-06-2016</i>	81.90	18.10	4.87	0.65	0.03	0.00
<b>Start of Calendar Year</b> <i>01-03-2017</i>	81.50	18.50	6.29	1.97	0.04	0.00
<b>Start of Water Year</b> <i>09-27-2016</i>	94.83	5.17	0.62	0.00	0.00	0.00
<b>One Year Ago</b> <i>03-08-2016</i>	69.32	30.68	1.47	0.00	0.00	0.00

**Intensity:**

- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
- D4 Exceptional Drought

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.

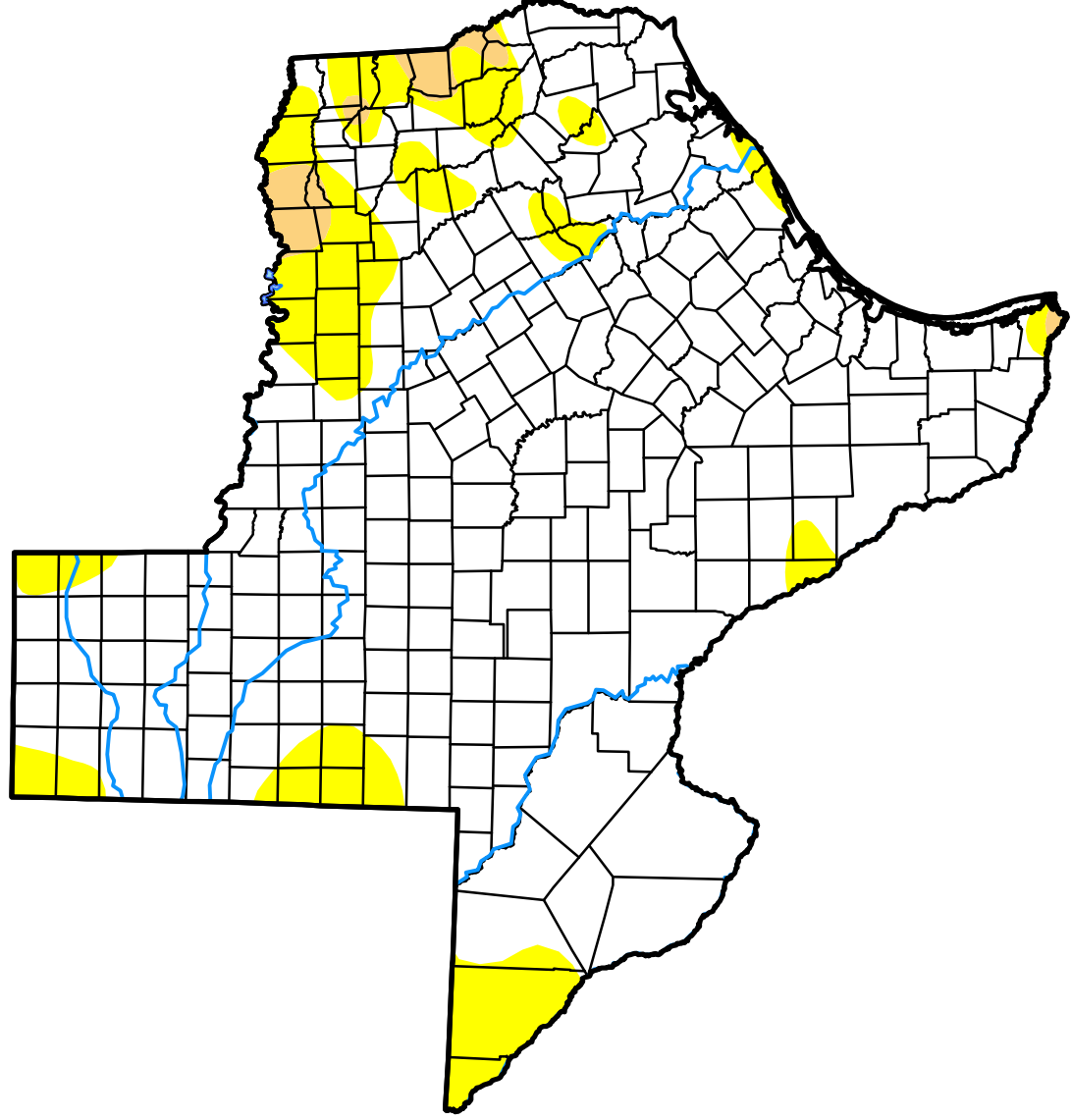
**Author:**

Brian Fuchs  
National Drought Mitigation Center



# U.S. Drought Monitor Texas

**April 11, 2017**  
 (Released Thursday, Apr. 13, 2017)  
 Valid 8 a.m. EDT



Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
<b>Current</b>	84.74	15.26	1.71	0.01	0.00	0.00
<b>Last Week</b> 04-04-2017	82.49	17.51	2.91	0.01	0.00	0.00
<b>3 Months Ago</b> 01-10-2017	74.87	25.13	6.04	0.88	0.14	0.00
<b>Start of Calendar Year</b> 01-03-2017	81.50	18.50	6.29	1.97	0.04	0.00
<b>Start of Water Year</b> 09-27-2016	94.83	5.17	0.62	0.00	0.00	0.00
<b>One Year Ago</b> 04-12-2016	74.56	25.44	4.06	0.00	0.00	0.00

**Intensity:**

- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
- D4 Exceptional Drought

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.

**Author:**  
 Anthony Artusa  
 NOAA/NWS/NCEP/CPC

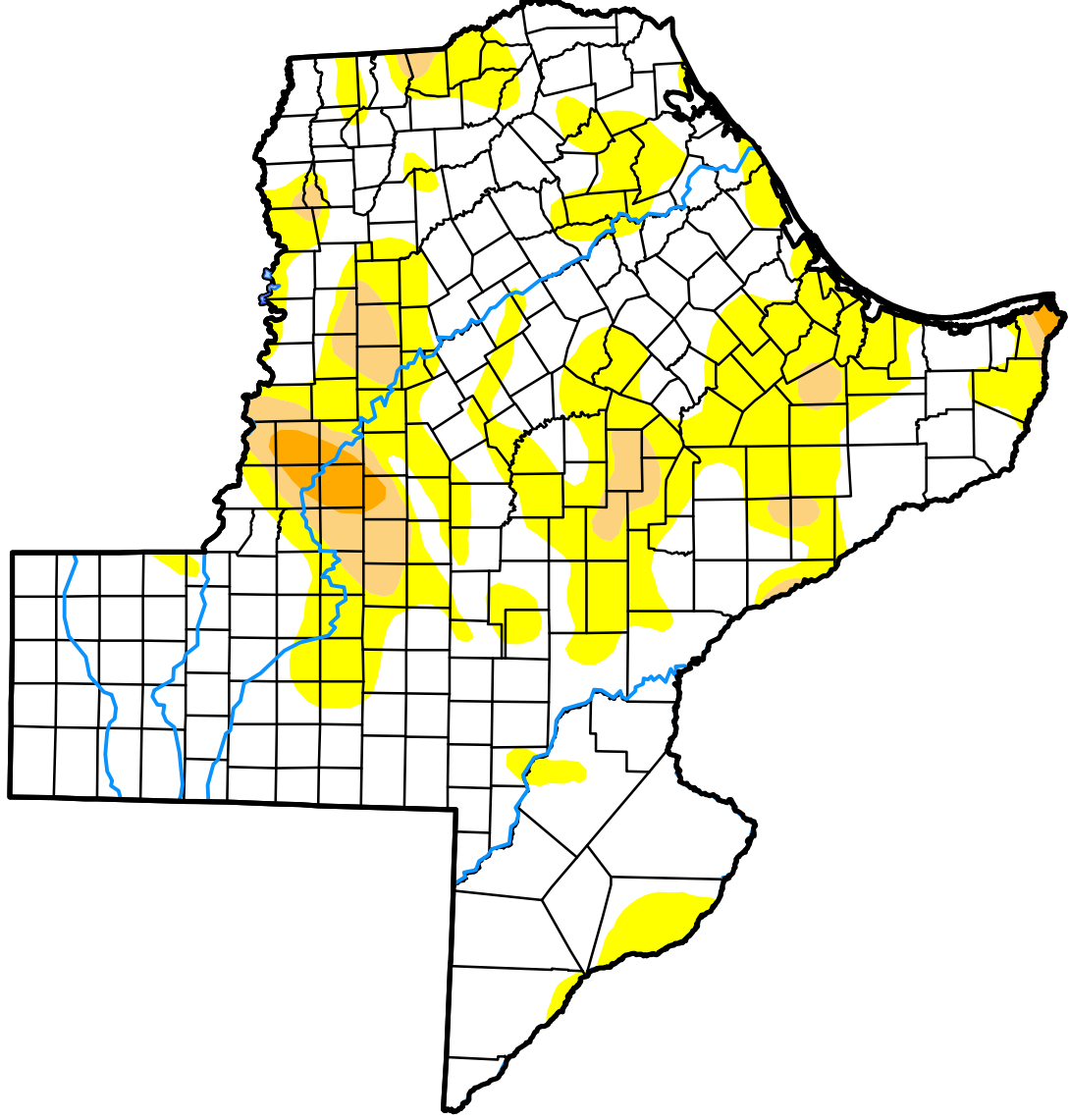


# U.S. Drought Monitor Texas

## May 16, 2017

(Released Thursday, May 18, 2017)

Valid 8 a.m. EDT



Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
<b>Current</b>	65.58	34.42	6.15	1.20	0.00	0.00
<b>Last Week</b> <i>05-09-2017</i>	78.86	21.14	2.33	0.00	0.00	0.00
<b>3 Months Ago</b> <i>02-14-2017</i>	88.14	11.86	3.69	1.26	0.53	0.00
<b>Start of Calendar Year</b> <i>01-03-2017</i>	81.50	18.50	6.29	1.97	0.04	0.00
<b>Start of Water Year</b> <i>09-27-2016</i>	94.83	5.17	0.62	0.00	0.00	0.00
<b>One Year Ago</b> <i>05-17-2016</i>	97.40	2.60	0.09	0.00	0.00	0.00

**Intensity:**

- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
- D4 Exceptional Drought

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.

**Author:**  
Brad Rippey  
U.S. Department of Agriculture

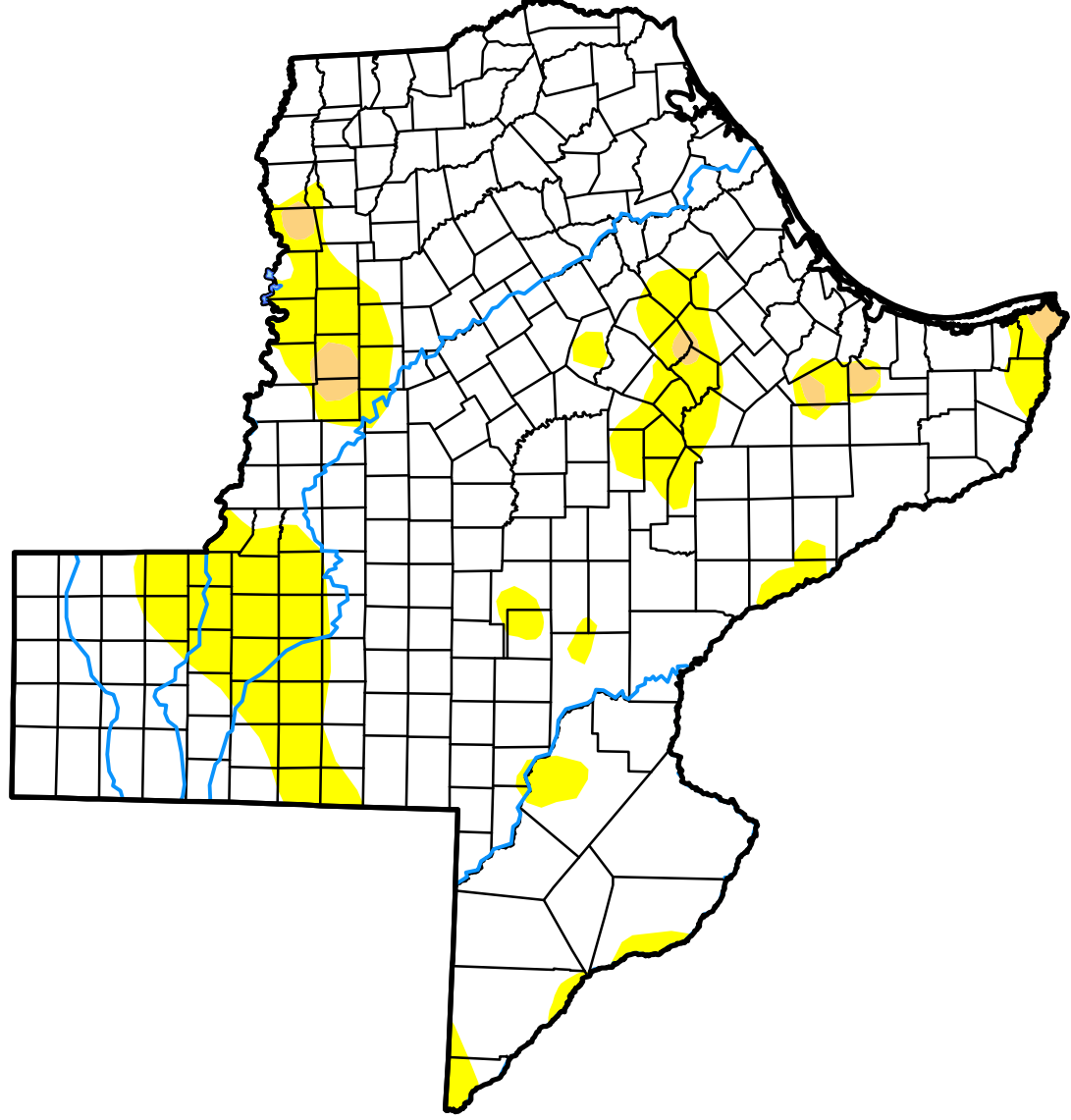


# U.S. Drought Monitor Texas

## June 6, 2017

(Released Thursday, Jun. 8, 2017)

Valid 8 a.m. EDT



Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
<b>Current</b>	83.43	16.57	1.16	0.00	0.00	0.00
<b>Last Week</b> <i>05-30-2017</i>	65.50	34.50	3.70	0.00	0.00	0.00
<b>3 Months Ago</b> <i>03-07-2017</i>	70.92	29.08	4.65	0.93	0.00	0.00
<b>Start of Calendar Year</b> <i>01-03-2017</i>	81.50	18.50	6.29	1.97	0.04	0.00
<b>Start of Water Year</b> <i>09-27-2016</i>	94.83	5.17	0.62	0.00	0.00	0.00
<b>One Year Ago</b> <i>06-07-2016</i>	98.31	1.69	0.00	0.00	0.00	0.00

**Intensity:**

- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
- D4 Exceptional Drought

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.

**Author:**

Deborah Bathke  
National Drought Mitigation Center

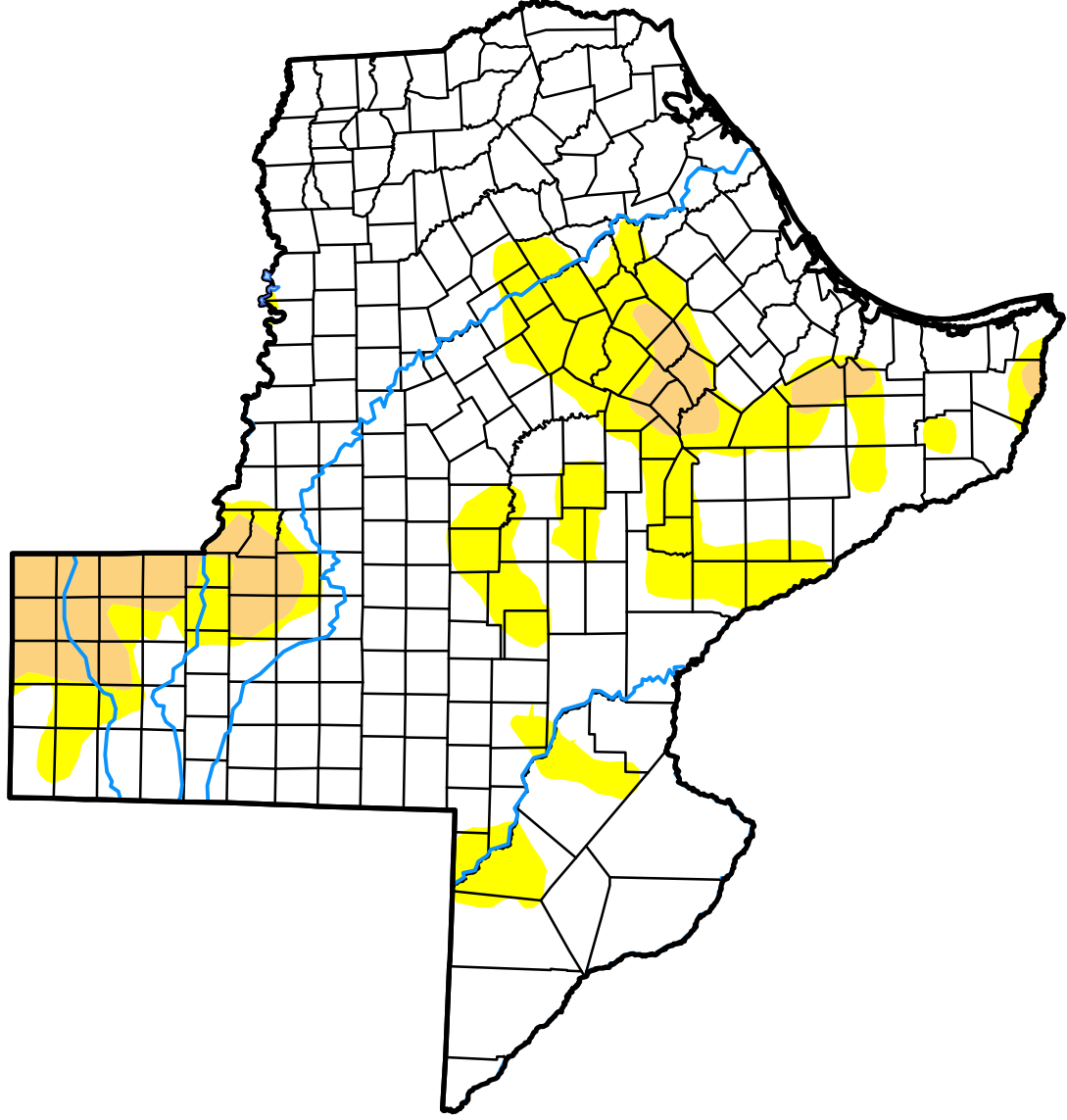


# U.S. Drought Monitor Texas

## July 11, 2017

(Released Thursday, Jul. 13, 2017)

Valid 8 a.m. EDT



Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
<b>Current</b>	76.12	23.88	6.57	0.00	0.00	0.00
<b>Last Week</b> 07-04-2017	73.51	26.49	6.01	0.92	0.00	0.00
<b>3 Months Ago</b> 04-11-2017	84.74	15.26	1.71	0.01	0.00	0.00
<b>Start of Calendar Year</b> 01-03-2017	81.50	18.50	6.29	1.97	0.04	0.00
<b>Start of Water Year</b> 09-27-2016	94.83	5.17	0.62	0.00	0.00	0.00
<b>One Year Ago</b> 07-12-2016	93.97	6.03	0.00	0.00	0.00	0.00

**Intensity:**

- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
- D4 Exceptional Drought

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.

**Author:**

David Simeral  
Western Regional Climate Center



# U.S. Drought Monitor Texas

**August 8, 2017**  
 (Released Thursday, Aug. 10, 2017)  
 Valid 8 a.m. EDT

Drought Conditions (Percent Area)

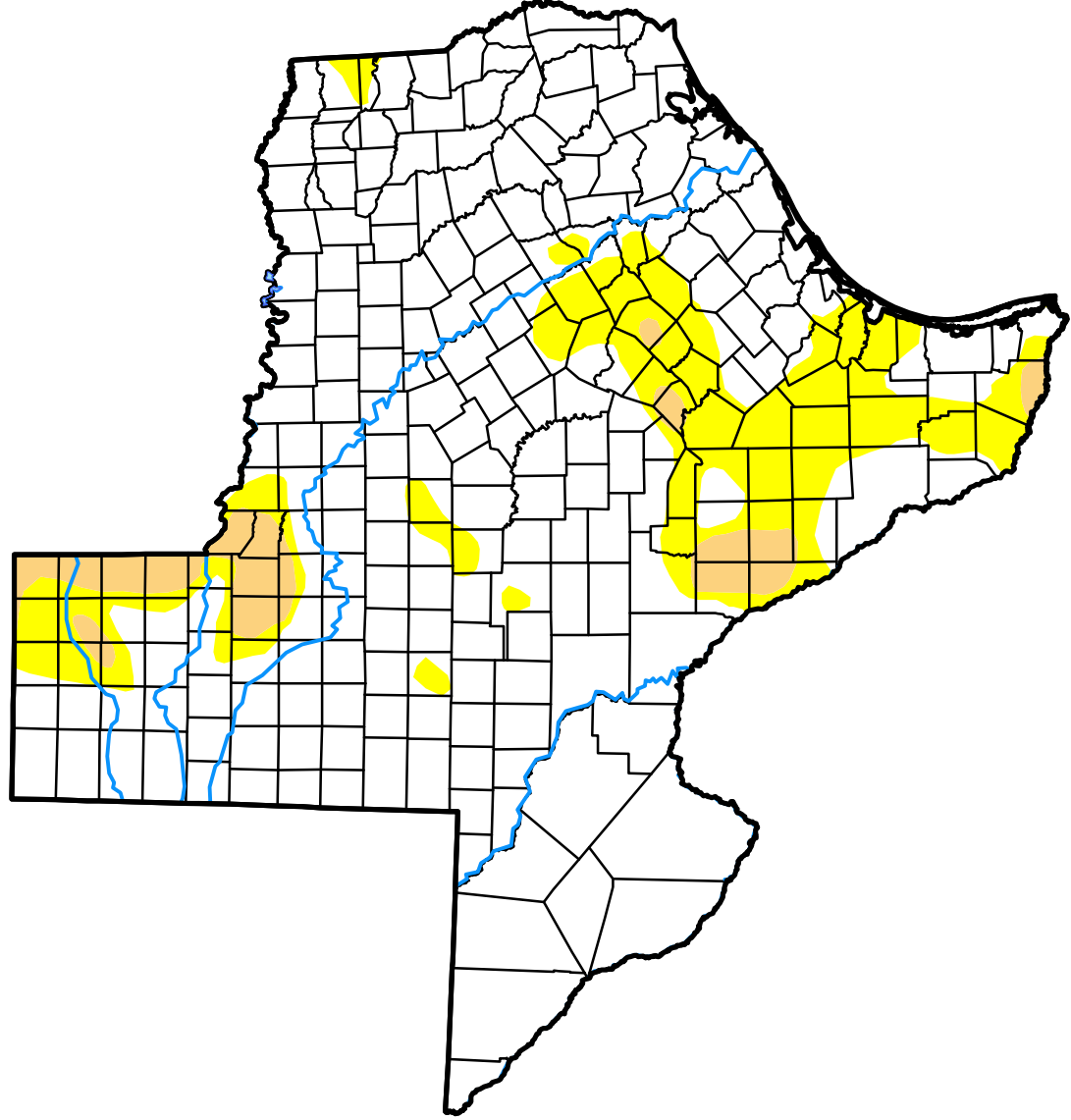
	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
<b>Current</b>	79.97	20.03	4.29	0.00	0.00	0.00
<b>Last Week</b> 08-01-2017	73.48	26.52	9.90	0.73	0.00	0.00
<b>3 Months Ago</b> 05-09-2017	78.86	21.14	2.33	0.00	0.00	0.00
<b>Start of Calendar Year</b> 01-03-2017	81.50	18.50	6.29	1.97	0.04	0.00
<b>Start of Water Year</b> 09-27-2016	94.83	5.17	0.62	0.00	0.00	0.00
<b>One Year Ago</b> 08-09-2016	55.83	44.17	10.16	0.93	0.00	0.00

**Intensity:**

- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
- D4 Exceptional Drought

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.

**Author:**  
 Deborah Bathke  
 National Drought Mitigation Center

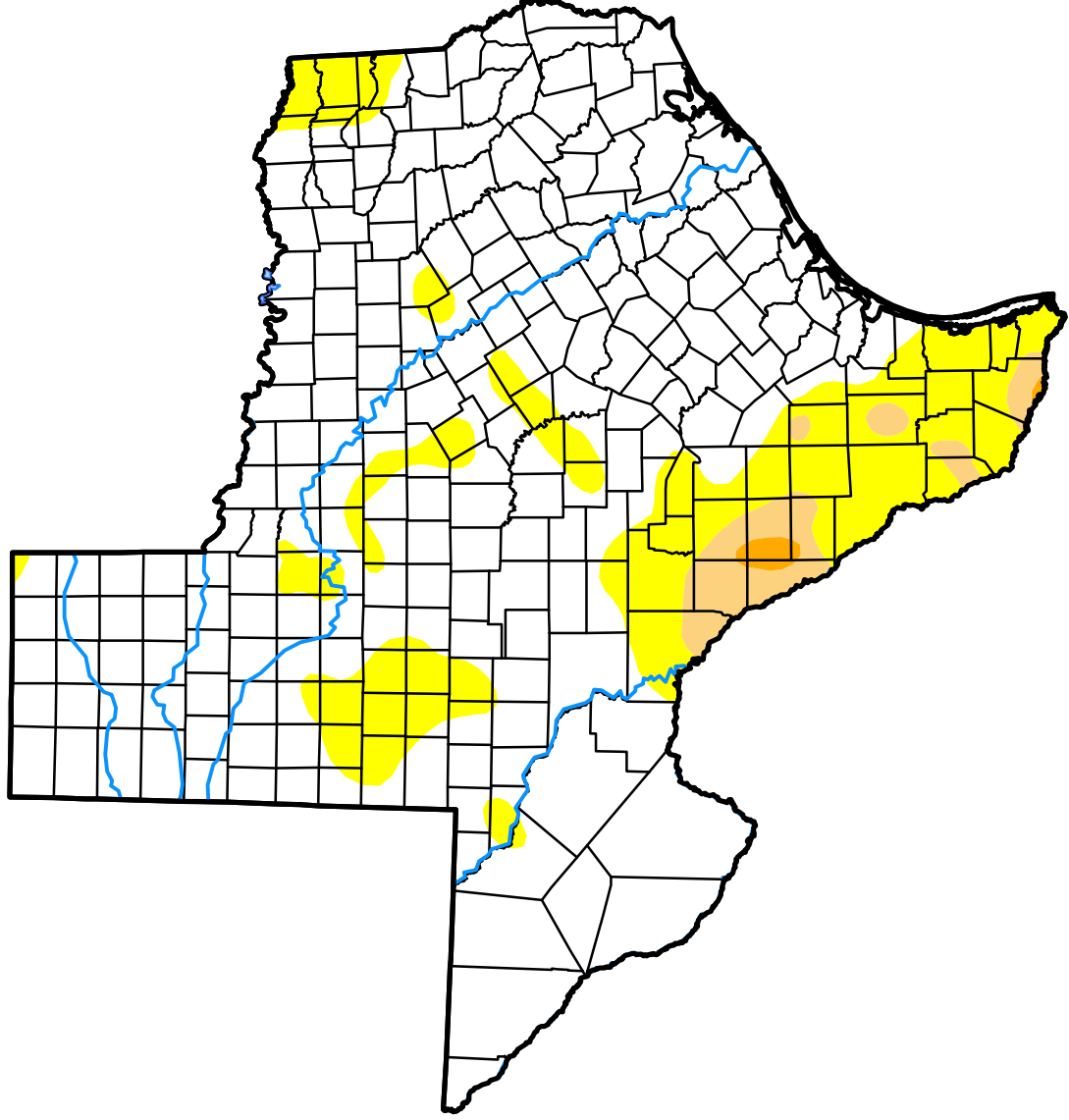




# U.S. Drought Monitor

## Texas

**September 19, 2017**  
 (Released Thursday, Sep. 21, 2017)  
 Valid 8 a.m. EDT



Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
<b>Current</b>	79.27	20.73	3.27	0.35	0.00	0.00
<b>Last Week</b> 09-12-2017	92.45	7.55	1.52	0.04	0.00	0.00
<b>3 Months Ago</b> 06-20-2017	72.65	27.35	4.84	0.00	0.00	0.00
<b>Start of Calendar Year</b> 01-03-2017	81.50	18.50	6.29	1.97	0.04	0.00
<b>Start of Water Year</b> 09-27-2016	94.83	5.17	0.62	0.00	0.00	0.00
<b>One Year Ago</b> 09-20-2016	95.44	4.56	0.94	0.12	0.00	0.00

**Intensity:**

- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
- D4 Exceptional Drought

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.

**Author:**  
 Brad Rippey  
 U.S. Department of Agriculture





Appendix D  
Public Information Provided by the District  
Regarding Rainwater Harvesting

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## Rainwater Harvesting in Texas

Dr. Hari J. Krishna  
Senior Engineer, TWDB

Rainwater Harvesting (RWH) is the practice of collecting rainfall for a beneficial purpose. It usually refers to the collection of rainfall runoff from roof surfaces in cisterns for domestic use; however, it may also include surface water collection in small tanks or impoundments for livestock watering and landscape irrigation. In the early part of the 20<sup>th</sup> century, RWH was practiced in Texas, but with the development of municipal water systems, the practice became obsolete. Now, with limited water resources on the one hand and increasing demands for water on the other, there is a growing awareness to collect rainfall and make more efficient use of the water.

Rainwater Harvesting is most applicable where other sources of water are either not available or are too expensive. Hays county in Central Texas is an excellent example for the growth of RWH. There are inadequate surface water resources in the area, the tap fees for homeowners to connect to water supply pipelines can be very high, and the groundwater quality is poor. Rainwater Harvesting is therefore becoming the obvious choice for homeowners in rural Hays county. Rainwater collected from roof surfaces is stored in cisterns and either pumped back into the house for indoor use, or can be used for landscape irrigation. Generally, in rural areas the stored water is filtered, treated and used for all indoor purposes. In towns where municipal water systems are available, harvested rainwater is used primarily for landscape irrigation, thus reducing the overall demand for municipal water. Either way, RWH provides conservation of water supplies.

Austin and San Antonio are providing rebates of up to \$450 to homeowners who install RWH. Hays county provides a rebate in the application fee for homes with RWH systems, and the RWH system itself is exempt from property taxes. Rainwater is free of any chemicals and/or dissolved salts. Unlike well water, rainwater is naturally soft, and can be used for household purposes without the need for a water softener. Rainwater is also ideal for those on low-sodium diets, since it contains no salt. Plants respond to rainwater much better than they do to municipal water (which has several chemicals added to it during the treatment and purification process).

For every inch of rain, about 600 gallons of water can be collected from 1,000 sq.ft. of roof area. A typical home with 2000 sq.ft. of roof area in Central Texas can yield up to 40,000 gallons a year, water that would otherwise run off and contribute to erosion. If properly managed, the RWH system can provide up to 100 gallons of water per day for a typical home. The cost of a RWH system depends on the size of the cistern used for storage. A RWH system for a home can cost anywhere from \$5,000-\$8,000, which includes the guttering for leading the water to the cistern, costs for the cistern, pump and treatment system. Senate Bill 2 has recently provided sales tax exemption for rainwater harvesting equipment and supplies, which will benefit those who propose to build RWH systems in the future.

RWH is a growing trend not only in Texas but in other parts of the U.S. and overseas as well. Germany is a leading example of RWH in Europe. Many countries in Asia and the Caribbean practice RWH as well. RWH is particularly suitable to Texas because of our bimodal rainfall pattern. Our peak rainfall occurs in April/May followed by a dry period from late June through August. The rainfall collected in May can be very useful during the summer months either for landscape irrigation or for indoor use. We usually receive some rainfall again in September/October which can be collected and used during the rest of the year.

The Texas Water Development Board has produced the "Texas Guide to Rainwater Harvesting", a publication that is in great demand not only within Texas, but nationally and internationally. The publication can be downloaded free of cost from either the TWDB website [www.twdb.state.tx.us](http://www.twdb.state.tx.us) , or from the the American Rainwater Catchment Systems Association (ARCSA) website [www.arcsa-usa.org](http://www.arcsa-usa.org)

Appendix E  
Permitted Injection Wells  
Texas Railroad Commission

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# Brazoria County Injection Wells

## Railroad Commission of Texas Data

API Number <sup>1</sup>	Well Type	Reliability of Position <sup>2</sup>	Longitude (DD) <sup>3</sup>	Latitude (DD) <sup>3</sup>
4203902195	Injection/Disposal Well	RRC Hardcopy Map	-95.73135050	29.29673530
4203902194	Injection/Disposal From Oil	RRC Hardcopy Map	-95.73075820	29.29626260
4203930035	Injection/Disposal Well	RRC Hardcopy Map	-95.65923380	29.28975670
4203901981	Injection/Disposal Well	RRC Hardcopy Map	-95.65386800	29.28705710
4203901955	Injection/Disposal Well	RRC Hardcopy Map	-95.66002070	29.29026420
4203932127	Injection/Disposal From Oil	USGS 7.5 Minute Quadrangle or Aerial Photograph	-95.76384631	29.28023794
4203902686	Injection/Disposal From Oil	USGS 7.5 Minute Quadrangle or Aerial Photograph	-95.75804281	29.27733156
4203981496	Injection/Disposal Well	RRC Hardcopy Map	-95.33491270	29.48612550
4203933154D1	Injection/Disposal Well	Operator Reported Location	-95.26768606	29.48235529
4203932552	Injection/Disposal From Oil	Operator Reported Location	-95.29224580	29.45164160
4203930652	Injection/Disposal From Gas	RRC Hardcopy Map	-95.28933560	29.44846590
4203932533	Injection/Disposal From Oil	Operator Reported Location	-95.29029130	29.44623110
4203932335	Injection/Disposal From Oil/Gas	RRC Hardcopy Map	-95.28743850	29.38520620
4203932869	Injection/Disposal Well	Operator Reported Location	-95.21905531	29.38595380
4203930173	Injection/Disposal Well	RRC Hardcopy Map	-95.22635550	29.38426760
4203901058	Injection/Disposal From Oil	RRC Hardcopy Map	-95.25155010	29.49866150
4203933170D1	Injection/Disposal Well	Coordinates from Operator	-95.25973969	29.49864611
4203901133	Injection/Disposal From Oil	Operator Reported Location	-95.27096797	29.49905484
4203933168D1	Injection/Disposal Well	Operator Reported Location	-95.26416409	29.49859420
4203933099D1	Injection/Disposal Well	Operator Reported Location	-95.27122934	29.49771167
4203933117D1	Injection/Disposal Well	Operator Reported Location	-95.27633737	29.49785596
4203901071	Injection/Disposal From Oil	Coordinates from Operator	-95.25804004	29.49685997
4203933045	Injection/Disposal Well	Operator Reported Location	-95.43892064	29.47609366
4203931277	Injection/Disposal From Oil	RRC Hardcopy Map	-95.24888920	29.49531420
4203932474D1	Injection/Disposal From Oil	Operator Reported Location	-95.24191940	29.49383770
4203930511	Injection/Disposal From Oil	RRC Hardcopy Map	-95.25881430	29.49537490
4203933169D1	Injection/Disposal Well	Coordinates from Operator	-95.26772204	29.49529897
4203931570	Injection/Disposal From Oil	RRC Hardcopy Map	-95.33986980	29.49782230
4203901084	Injection/Disposal From Oil	RRC Hardcopy Map	-95.25331880	29.49310980
4203931428	Injection/Disposal From Oil	RRC Hardcopy Map	-95.25516030	29.49277050
4203933167D1	Injection/Disposal Well	Coordinates from Operator	-95.26322204	29.49304897
4203933115D1	Injection/Disposal Well	Operator Reported Location	-95.27652085	29.49307057
4203901085	Injection/Disposal From Oil	RRC Hardcopy Map	-95.25163750	29.49141750
4203931215	Injection/Disposal From Oil	RRC Hardcopy Map	-95.33871510	29.49452190
4203901092D1	Injection/Disposal Well	Operator Reported Location	-95.25974956	29.49138505
4203931535	Injection/Disposal From Oil	RRC Hardcopy Map	-95.25487500	29.49106190
4203900717	Injection/Disposal From Oil	RRC Hardcopy Map	-95.24320020	29.48717360
4203933156D1	Injection/Disposal Well	Operator Reported Location	-95.26811418	29.49028388
4203931433	Injection/Disposal From Oil	RRC Hardcopy Map	-95.24447960	29.48646850
4203900789	Injection/Disposal From Oil	RRC Hardcopy Map	-95.24941980	29.48524100
4203901106	Injection/Disposal From Oil	RRC Hardcopy Map	-95.25366260	29.48788070
4203901107	Injection/Disposal From Oil	Operator Reported Location	-95.25779549	29.48779015
4203931440D1	Injection/Disposal From Oil	RRC Hardcopy Map	-95.23425040	29.48244720
4203933190D1	Injection/Disposal Well	Operator Reported Location	-95.26304478	29.48672279
4203901115	Injection/Disposal From Oil/Gas	RRC Hardcopy Map	-95.25283140	29.48618550
4203933153D1	Injection/Disposal Well	Operator Reported Location	-95.26804571	29.48600729
4203930331	Injection/Disposal From Oil	RRC Hardcopy Map	-95.23933280	29.47986810
4203932244D1	Injection/Disposal From Oil	RRC Hardcopy Map	-95.23809970	29.47865380
4203900976	Injection/Disposal From Oil/Gas	Operator Reported Location	-95.19306230	29.30604580
4203932478D1	Injection/Disposal Well	Coordinates from Operator	-95.19515470	29.28636150
4203980571	Injection/Disposal From Oil	RRC Hardcopy Map	-95.34755700	29.25748130
4203932330	Injection/Disposal From Oil	Operator Reported Location	-95.35041440	29.25672120
42039	Injection/Disposal Well	RRC Hardcopy Map	-95.28900650	29.37085070
4203932180	Injection/Disposal Well	RRC Hardcopy Map	-95.28049820	29.37036870
4203930082	Injection/Disposal Well	RRC Hardcopy Map	-95.28524450	29.36688030
4203931552	Injection/Disposal From Oil/Gas	Operator Reported Distances	-95.30385660	29.36233520
4203901450	Injection/Disposal From Oil	Operator Reported Location	-95.44791600	29.31053020
4203931646	Injection/Disposal From Oil/Gas	RRC Hardcopy Map	-95.20796790	29.34441780
4203900886	Injection/Disposal From Oil/Gas	USGS 7.5 Minute Quadrangle or Aerial Photograph	-95.24898923	29.34423115
4203932662D1	Injection/Disposal From Oil	Coordinates from Operator	-95.31963280	29.28162980

# Brazoria County Injection Wells

## Railroad Commission of Texas Data

4203932130	Injection/Disposal From Gas	Operator Reported Location	-95.43284030	29.25540950
4203900898	Injection/Disposal From Oil/Gas	Operator Reported Location	-95.23011820	29.33816390
4203900892	Injection/Disposal From Oil	USGS 7.5 Minute Quadrangle or Aerial Photograph	-95.24462471	29.33589373
4203901849	Injection/Disposal From Oil	RRC Hardcopy Map	-95.57585110	29.32704670
4203901871	Injection/Disposal From Oil	RRC Hardcopy Map	-95.57570920	29.32500760
4203932654	Injection/Disposal Well	Operator Reported Location	-95.55532870	29.32362180
4203932903	Injection/Disposal From Oil	Operator Reported Location	-95.56549488	29.32273513
4203932517	Injection/Disposal From Gas	Operator Reported Location	-95.20617950	29.32984530
4203900929	Injection/Disposal From Oil	RRC Hardcopy Map	-95.18841260	29.32791100
4203932424	Injection/Disposal From Gas	Operator Reported Location	-95.23884350	29.32931090
4203932727	Injection/Disposal Well	Operator Reported Location	-95.56822278	29.32130001
4203901874	Injection/Disposal From Oil/Gas	Operator Reported Location	-95.57525196	29.32038967
4203901879	Injection/Disposal From Oil/Gas	RRC Hardcopy Map	-95.57059030	29.31875180
4203901878	Injection/Disposal From Oil/Gas	RRC Hardcopy Map	-95.57325040	29.31865450
4203900933	Injection/Disposal From Oil/Gas	Operator Reported Location	-95.18806370	29.32677600
4203901006	Injection/Disposal From Oil	RRC Hardcopy Map	-95.18454340	29.32527380
4203931967	Injection/Disposal From Oil	RRC Hardcopy Map	-95.34525832	29.26341188
4203901887	Injection/Disposal From Oil/Gas	Operator Reported Location	-95.57547007	29.31202818
4203901002	Injection/Disposal From Oil/Gas	RRC Hardcopy Map	-95.18509720	29.32293210
4203901734	Injection/Disposal From Oil	Operator Reported Location	-95.34642990	29.26110930
4203932834	Injection/Disposal From Oil	Operator Reported Location	-95.32627361	29.26013035
4203901656	Injection/Disposal From Oil	RRC Hardcopy Map	-95.34406488	29.26015506
4203931319D1	Injection/Disposal Well	Operator Reported Location	-95.25535435	29.50565524
4203931319DW	Injection/Disposal From Oil	Operator Reported Location	-95.25543928	29.50564905
4203900374	Injection/Disposal From Oil	RRC Hardcopy Map	-95.26280050	29.50588120
4203933128D1	Injection/Disposal Well	Operator Reported Location	-95.27665745	29.50629927
4203900439	Injection/Disposal From Oil	Operator Reported Location	-95.27094674	29.50550336
4203900421	Injection/Disposal From Oil	RRC Hardcopy Map	-95.26485330	29.50513100
42039	Injection/Disposal Well	RRC Hardcopy Map	-95.26318260	29.52889840
4203933060	Injection/Disposal Well	Operator Reported Location	-95.26029029	29.50463497
4203900430	Injection/Disposal From Oil	USGS 7.5 Minute Quadrangle or Aerial Photograph	-95.26674609	29.50469441
4203900257	Injection/Disposal Well	RRC Hardcopy Map	-95.26522430	29.52646000
4203933194D1	Injection/Disposal Well	Operator Reported Location	-95.25926133	29.52480922
4203933273H1	Injection/Disposal Well	Operator Reported Location	-95.26281364	29.52365740
4203933093D1	Injection/Disposal Well	Operator Reported Location	-95.25920060	29.52296616
4203933066	Injection/Disposal Well	Operator Reported Location	-95.26635487	29.50326683
4203900448	Injection/Disposal From Oil	RRC Hardcopy Map	-95.26863330	29.50329020
4203900140	Injection/Disposal From Oil	Coordinates from Operator	-95.32860360	29.50540610
4203933067	Injection/Disposal Well	Operator Reported Location	-95.26498866	29.50282265
4203933091D1	Injection/Disposal Well	Coordinates from Operator	-95.25502981	29.52157587
4203933086D1	Injection/Disposal Well	Coordinates from Operator	-95.27037095	29.52086641
42039	Injection/Disposal From Oil	RRC Hardcopy Map	-95.34031040	29.52317630
4203920364	Injection/Disposal From Oil	RRC Hardcopy Map	-95.26767530	29.50217620
4203930695D1	Injection/Disposal From Oil	Operator Reported Location	-95.26247680	29.50150962
4203933129D1	Injection/Disposal Well	Operator Reported Location	-95.27618060	29.50192120
4203900461	Injection/Disposal From Oil	RRC Hardcopy Map	-95.25419480	29.50075780
4203900534	Injection/Disposal From Oil	RRC Hardcopy Map	-95.23936810	29.51688730
4203900321	Injection/Disposal From Oil	RRC Hardcopy Map	-95.25575870	29.51913320
4203933095D1	Injection/Disposal Well	Operator Reported Location	-95.25443575	29.51890545
4203933079D1	Injection/Disposal Well	Coordinates from Operator	-95.26355404	29.51906297
4203981801	Injection/Disposal From Oil	RRC Hardcopy Map	-95.34030220	29.52177100
4203900450	Injection/Disposal From Oil	RRC Hardcopy Map	-95.26674980	29.50108860
4203933097D1	Injection/Disposal Well	Operator Reported Location	-95.27041219	29.50060440
4203900513	Injection/Disposal From Oil	RRC Hardcopy Map	-95.23478940	29.51569310
4203933144D1	Injection/Disposal Well	Coordinates from Operator	-95.25823007	29.51764739
4203900323	Injection/Disposal From Oil	Coordinates from Operator	-95.25230143	29.51726913
4203930614	Injection/Disposal From Oil	WELLBORE Distances	-95.25974940	29.51750455
4203900319D1	Injection/Disposal From Oil	RRC Hardcopy Map	-95.25233870	29.51683150
4203931857	Injection/Disposal From Oil/Gas	Operator Reported Location	-95.33408720	29.50221410
4203900216	Injection/Disposal From Oil	RRC Hardcopy Map	-95.32685800	29.50123480
4203900623	Injection/Disposal From Oil/Gas	USGS 7.5 Minute Quadrangle or Aerial Photograph	-95.22869358	29.51067622



# Brazoria County Injection Wells

## Railroad Commission of Texas Data

4203900273	Injection/Disposal From Oil	Operator Reported Location	-95.26721685	29.51662528
42039	Injection/Disposal From Oil/Gas	RRC Hardcopy Map	-95.23560360	29.51010420
4203900624	Injection/Disposal From Oil	USGS 7.5 Minute Quadrangle or Aerial Photograph	-95.22635592	29.50874565
4203933081D1	Injection/Disposal From Oil	Coordinates from Operator	-95.26561004	29.51565897
4203900328	Injection/Disposal From Oil	Operator Reported Location	-95.25673148	29.51532575
4203900631	Injection/Disposal From Oil	USGS 7.5 Minute Quadrangle or Aerial Photograph	-95.23040842	29.50574688
4203933192D1	Injection/Disposal Well	Operator Reported Location	-95.27699030	29.51492538
4203900342	Injection/Disposal From Oil	RRC Hardcopy Map	-95.25453520	29.51370000
4203931307	Injection/Disposal From Oil	RRC Hardcopy Map	-95.25376910	29.51363340
4203900340	Injection/Disposal From Oil	RRC Hardcopy Map	-95.25283070	29.51339500
4203900343	Injection/Disposal From Oil	RRC Hardcopy Map	-95.25893580	29.51341830
4203933059D1	Injection/Disposal Well	Operator Reported Location	-95.25291129	29.51270939
4203933087D1	Injection/Disposal Well	Operator Reported Location	-95.27196065	29.51325372
4203930721DW	Injection/Disposal Well	Operator Reported Location	-95.26257316	29.51277279
4203900594	Injection/Disposal From Oil	USGS 7.5 Minute Quadrangle or Aerial Photograph	-95.24707976	29.50325081
4203900556	Injection/Disposal From Oil	RRC Hardcopy Map	-95.24859100	29.50265980
4203900348	Injection/Disposal From Oil	Operator Reported Location	-95.26057792	29.51141067
4203900426	Injection/Disposal From Oil	RRC Hardcopy Map	-95.26687700	29.51156360
4203931366	Injection/Disposal From Oil	RRC Hardcopy Map	-95.24983120	29.50141060
4203931261	Injection/Disposal From Oil	RRC Hardcopy Map	-95.22972240	29.50025190
4203900425	Injection/Disposal From Oil	Operator Reported Location	-95.26470820	29.51130886
4203933195H1	Injection/Disposal Well	Operator Reported Location	-95.25086316	29.51064859
4203900435	Injection/Disposal From Oil	Operator Reported Location	-95.26889454	29.51119188
4203933024	Injection/Disposal Well	Coordinates from Operator	-95.25848060	29.51041080
4203900364	Injection/Disposal From Oil	Operator Reported Location	-95.25454996	29.50998376
4203900427	Injection/Disposal From Oil	RRC Hardcopy Map	-95.26690220	29.50988480
4203930078	Injection/Disposal From Oil	Operator Reported Location	-95.25590358	29.50940975
4203933197D1	Injection/Disposal Well	Operator Reported Location	-95.25647894	29.50884619
4203900423	Injection/Disposal From Oil	Operator Reported Location	-95.26485801	29.50892049
4203900387	Injection/Disposal From Oil	Operator Reported Location	-95.25250217	29.50820225
4203900385	Injection/Disposal From Oil	RRC Hardcopy Map	-95.25449980	29.50817960
4203933112D1	Injection/Disposal Well	Operator Reported Location	-95.25211975	29.50747340
4203900376	Injection/Disposal From Oil	Coordinates from Operator	-95.26295004	29.50782997
4203900162	Injection/Disposal From Oil/Gas	RRC Hardcopy Map	-95.33592940	29.51048090
4203933040D1	Injection/Disposal Well	Operator Reported Location	-95.25316247	29.50735925
4203933114D1	Injection/Disposal From Oil	Operator Reported Location	-95.25073997	29.50674314
4203932364	Injection/Disposal From Oil	WELLBORE Distances	-95.31758439	29.50919225
4203900392	Injection/Disposal From Oil	Operator Reported Location	-95.25056287	29.50638286
4203900369	Injection/Disposal From Oil	Operator Reported Location	-95.25445216	29.50630953
4203900432	Injection/Disposal From Oil	RRC Hardcopy Map	-95.26883230	29.50668140
4203903051	Injection/Disposal From Oil	RRC Hardcopy Map	-95.66782703	29.17217363
4203905126	Injection/Disposal Well	RRC Hardcopy Map	-95.66740905	29.17051046
4203930575	Injection/Disposal From Oil/Gas	RRC Hardcopy Map	-95.50487240	29.21508970
4203932775	Injection/Disposal Well	Coordinates from Operator	-95.23382179	29.13576387
4203930592	Injection/Disposal From Gas	RRC Hardcopy Map	-95.52940690	29.19736340
4203932406D1	Injection/Disposal Well	Operator Reported Location	-95.46718747	29.23313612
4203930781	Injection/Disposal From Gas	RRC Hardcopy Map	-95.80768920	29.17048910
4203904150	Injection/Disposal From Oil	RRC Hardcopy Map	-95.48061610	29.21809760
4203930807	Injection/Disposal From Oil/Gas	Operator Reported Location	-95.78896380	29.15530910
4203902948	Injection/Disposal From Oil	RRC Hardcopy Map	-95.66932421	29.17542006
4203932984	Injection/Disposal Well	Operator Reported Location	-95.16900848	29.22898952
4203930439	Injection/Disposal From Oil	RRC Hardcopy Map	-95.66726137	29.17359092
4203930490	Injection/Disposal From Oil	RRC Hardcopy Map	-95.66131962	29.17268770
4203932993	Injection/Disposal Well	Coordinates from Operator	-95.36640592	29.04724002
4203932529	Injection/Disposal Well	Operator Reported Location	-95.27105480	29.00679320
4203932731	Injection/Disposal Well	Coordinates from Operator	-95.51706393	29.11399441
4203932854D1	Injection/Disposal From Gas	Operator Reported Location	-95.58027620	29.11170757
4203933233	Injection/Disposal Well	Coordinates from Operator	-95.59652294	29.02215493
4203933247	Injection/Disposal Well	Operator Reported Location	-95.59499244	29.02056481
4203933232	Injection/Disposal Well	Coordinates from Operator	-95.59990927	29.01888496
4203933230	Injection/Disposal Well	Coordinates from Operator	-95.59781671	29.01732363

## Brazoria County Injection Wells

### Railroad Commission of Texas Data

4203933231	Injection/Disposal Well	Coordinates from Operator	-95.60170112	29.01723293
4203933229	Injection/Disposal Well	Coordinates from Operator	-95.59971515	29.01557254
4203930414	Injection/Disposal Well	Operator Reported Distances	-95.33673360	29.07621960
4203930667	Injection/Disposal Well	RRC Hardcopy Map	-95.33709930	29.07424260
4203980805	Injection/Disposal Well	RRC Hardcopy Map	-95.75268130	29.04643840
4203931250	Injection/Disposal Well	RRC Hardcopy Map	-95.75309160	29.04604380
4203903949	Injection/Disposal From Oil/Gas	RRC Hardcopy Map	-95.70001770	29.06181200
4203980070	Injection/Disposal From Gas	USGS 7.5 Minute Quadrangle or Aerial Photograph	-95.66603850	29.05135740
4203931166	Injection/Disposal From Gas	Operator Reported Location	-95.69577430	28.98982680
4203933084D1	Injection/Disposal Well	Operator Reported Location	-95.27155569	29.50657776
4203900672	Injection/Disposal From Oil	RRC Hardcopy Map	-95.24949329	29.48977328
4203932507	Injection/Disposal From Oil	Operator Reported Location	-95.65974117	29.16720223
4203981908	Injection/Disposal Well	RRC Hardcopy Map	-95.28761076	29.34546038
4203901236	Injection/Disposal From Oil	RRC Hardcopy Map	-95.32947023	29.48877653

<sup>1</sup>New wells shown in ***bold italics*** .

<sup>2</sup> Position given for bottom well location.

<sup>3</sup>Horizontal datum: North American Datum of 1927.

Appendix F  
District Financials  
2016 Audit

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**BRAZORIA COUNTY GROUNDWATER  
CONSERVATION DISTRICT**

ANNUAL FINANCIAL REPORT

FOR THE YEAR ENDED  
SEPTEMBER 30, 2016

**KENNEMER, MASTERS & LUNSFORD, LLC  
CERTIFIED PUBLIC ACCOUNTANTS  
8 WEST WAY COURT  
LAKE JACKSON, TEXAS 77566**

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**BRAZORIA COUNTY GROUNDWATER CONSERVATION DISTRICT**

*Annual Financial Report  
For the Year Ended September 30, 2016*

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## **FINANCIAL SECTION**

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# Kennemer, Masters & Lunsford

CERTIFIED PUBLIC ACCOUNTANTS

Limited Liability Company

**Lake Jackson Office:**  
8 West Way Court  
Lake Jackson, Texas 77566  
979-297-4075

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979-849-8297

**El Campo Office:**  
201 W. Webb  
El Campo, Texas 77437  
979-543-6836

**Houston Office:**  
10850 Richmond Ave., Ste 135  
Houston, Texas 77042  
281-974-3416

## Independent Auditor's Report

To the Board of Directors  
Brazoria County Groundwater Conservation District

We have audited the accompanying financial statements of the governmental activities, each major fund, and the aggregate remaining fund information of the Brazoria County Groundwater Conservation District (the "District") as of and for the year ended September 30, 2016, and the related notes to the financial statements, which collectively comprise the District's basic financial statements as listed in the table of contents.

### ***Management's Responsibility for the Financial Statements***

Management is responsible for the preparation and fair presentation of these financial statements in accordance with accounting principles generally accepted in the United States of America; this includes the design, implementation, and maintenance of internal control relevant to the preparation and fair presentation of financial statements that are free from material misstatement, whether due to fraud or error.

### ***Auditor's Responsibility***

Our responsibility is to express opinions on these financial statements based on our audit. We conducted our audit in accordance with auditing standards generally accepted in the United States of America. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free from material misstatement.

An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the financial statements. The procedures selected depend on the auditor's judgment, including the assessment of the risks of material misstatement of the financial statements, whether due to fraud or error. In making those risk assessments, the auditor considers internal control relevant to the entity's preparation and fair presentation of the financial statements in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the entity's internal control. Accordingly, we express no such opinion. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management, as well as evaluating the overall presentation of the financial statements.

We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinions.

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***Opinions***

In our opinion, the financial statements referred to above present fairly, in all material respects, the respective financial position of the governmental activities, each major fund, and the aggregate remaining fund information of the Brazoria County Groundwater Conservation District, as of September 30, 2016, and the respective changes in financial position thereof for the year then ended in accordance with accounting principles generally accepted in the United States of America.

***Other Matters***

*Required Supplementary Information*

Accounting principles generally accepted in the United States of America require that the management's discussion and analysis and the budgetary comparison information on pages 9 through 13 and 37 be presented to supplement the basic financial statements. Such information, although not a part of the basic financial statements, is required by the Governmental Accounting Standards Board, who considers it to be an essential part of financial reporting for placing the basic financial statements in an appropriate operational, economic, or historical context. We have applied certain limited procedures to the required supplementary information in accordance with auditing standards generally accepted in the United States of America, which consisted of inquiries of management about the methods of preparing the information and comparing the information for consistency with management's responses to our inquiries, the basic financial statements, and other knowledge we obtained during our audit of the basic financial statements. We do not express an opinion or provide any assurance on the information because the limited procedures do not provide us with sufficient evidence to express an opinion or provide any assurance.

*Kennemer, Masters & Hunsford, LLC*

Lake Jackson, Texas  
March 1, 2017

## BRAZORIA COUNTY GROUNDWATER CONSERVATION DISTRICT

*Management's Discussion and Analysis  
For the Year Ended September 30, 2016*

As directors of Brazoria County Groundwater Conservation District (the "District"), we offer readers of the District's financial statements this narrative overview and analysis of the financial activities of the District for the fiscal year ended September 30, 2016.

### Financial Highlights

- The assets and deferred outflows of resources of the District exceeded its liabilities and deferred inflows of resources at the close of the most recent fiscal year by \$ 1,132,465 (net position). This is an increase in net position of \$ 38,733 from the prior year net position of \$ 1,093,732.
- As of the close of the current fiscal year, the District's governmental fund reported an ending fund balance of \$ 1,123,753. The fund balance represents 309.17% of current year expenditures.

### Overview of the Financial Statements

This discussion and analysis is intended to serve as an introduction to the District's basic financial statements. The District's basic financial statements are comprised of three components: 1) government-wide financial statements, 2) fund financial statements, and 3) notes to the financial statements. This report also contains required supplemental information in addition to the basic financial statements themselves.

**Government-wide financial statements.** The *government-wide financial statements* are designed to provide readers with a broad overview of the District's finances, in a manner similar to a private-sector business.

The *statement of net position* presents information on all of the District's assets and deferred outflows of resources and liabilities and deferred inflows of resources, with the difference between these two reported as net position. Over time, increases or decreases in net position may serve as a useful indicator of whether the financial position of the District is improving or deteriorating.

The *statement of activities* presents information showing how the District's net position changed during the fiscal year. All changes in net position are reported when the underlying event giving rise to the change occurs, regardless of the timing of related cash flows. Thus, revenues and expenses are reported in this statement for some items that will only result in cash flows in the future fiscal periods.

Both of the government-wide financial statements distinguish functions of the District that are principally supported by fees. The *governmental activities* of the District include general government and administration, and groundwater conservation.

The government-wide financial statements can be [found on pages 16 and 17](#) of this report.

## BRAZORIA COUNTY GROUNDWATER CONSERVATION DISTRICT

### *Management's Discussion and Analysis*

*For the Year Ended September 30, 2016*

**Fund Financial Statements.** A *fund* is a grouping of related accounts that is used to maintain control over resources that have been segregated for specific activities or objectives. The District, like other state and local governments, uses fund accounting to ensure and demonstrate compliance with finance-related legal requirements. The District has only one major fund, which is the general fund, and is reported as a governmental fund.

- **Governmental Funds.** *Governmental funds* are used to account for essentially the same functions reported as governmental activities in the government-wide financial statements. However, unlike the government-wide financial statements, governmental fund financial statements focus on current sources and uses of spendable resources, as well as on balances of spendable resources available at the end of the fiscal year. Such information may be useful in evaluating a government's near-term financing requirements.

Because the focus of governmental funds is narrower than that of the government-wide financial statements, it is useful to compare the information presented for governmental funds with similar information presented for governmental activities in the government-wide financial statements. By doing so, readers may better understand the long-term impact of the government's near-term financing decisions. Both the governmental fund balance sheet and the governmental fund statements of revenues, expenditures, and changes in fund balance provide a reconciliation to facilitate this comparison between governmental funds and governmental activities.

The fund financial statements can be found on [pages 20 through 23 of this report](#).

**Notes to the Financial Statements.** The notes provide additional information that is essential to a full understanding of the data provided in the government-wide and fund financial statements. The notes to the financial statements can be found on [pages 25 through 34 of this report](#).

**Other Information.** In addition to the basic financial statements and accompanying notes, this report also presents required supplementary information. The required supplemental information can be found [on page 37 of this report](#).

### **Government-wide Financial Analysis**

As noted earlier, net position may serve over time as a useful indicator of a government's financial position. In the case of the District, assets and deferred outflows of resources exceeded liabilities and deferred inflows of resources by \$ 1,132,465 as of September 30, 2016. Net position of the District's governmental activities increased by \$ 38,733, from net position of \$ 1,093,732.

**BRAZORIA COUNTY GROUNDWATER CONSERVATION DISTRICT**

*Management's Discussion and Analysis  
For the Year Ended September 30, 2016*

**Brazoria County Groundwater Conservation District's Net Position**

	Governmental Activities			
	September 30, 2016	September 30, 2015	Increase (Decrease)	Percent Change
Current and other assets	\$ 1,140,001	\$ 1,071,021	\$ 68,980	6%
Capital assets	8,712	34,849	( 26,137)	0%
Total assets	<u>1,148,713</u>	<u>1,105,870</u>	<u>42,843</u>	<u>6%</u>
Deferred outflows of resources			-0-	-0-
Total deferred outflows of resources	<u>-0-</u>	<u>-0-</u>	<u>-0-</u>	<u>0%</u>
Current and other liabilities	16,248	12,138	4,110	34%
Long-term liabilities			-0-	0%
Total liabilities	<u>16,248</u>	<u>12,138</u>	<u>4,110</u>	<u>34%</u>
Deferred Inflows of Resources			-0-	0%
Total deferred inflows of resources	<u>-0-</u>	<u>-0-</u>	<u>-0-</u>	<u>0%</u>
Net Position:				
Net investment in capital assets	8,712	34,849	( 26,137)	( 75%)
Unrestricted	<u>1,123,753</u>	<u>1,058,883</u>	<u>64,870</u>	<u>6%</u>
Total net position	<u>\$ 1,132,465</u>	<u>\$ 1,093,732</u>	<u>\$ 38,733</u>	<u>6%</u>

**Governmental Activities:** Governmental activities increased the District's net position by \$ 38,733. The following table provides a summary of the District's operations for the years ended September 30, 2016 and 2015, respectively.

**BRAZORIA COUNTY GROUNDWATER CONSERVATION DISTRICT**

*Management's Discussion and Analysis  
For the Year Ended September 30, 2016*

**Brazoria County Groundwater Conservation District's Change in Net Position**

	Governmental Activities			
	Years Ended September 30, 2016	2015	Increase (Decrease)	Percent Change
Revenues:				
Program Revenues:				
Charges for services	\$ 417,580	\$ 382,535	\$ 35,045	9%
General Revenues:				
Investment income	5,717	3,185	2,532	79%
Miscellaneous	<u>5,046</u>	<u>8,809</u>	<u>( 3,763)</u>	<u>( 43%)</u>
Total revenues	<u>428,343</u>	<u>394,529</u>	<u>33,814</u>	<u>9%</u>
Expenses:				
General government and administration	366,329	254,217	112,112	44%
Groundwater conservation	<u>23,281</u>	<u>41,300</u>	<u>( 18,019)</u>	<u>( 44%)</u>
Total expenses	<u>389,610</u>	<u>295,517</u>	<u>94,093</u>	<u>32%</u>
Increase (decrease) in net position	38,733	99,012	( 60,279)	( 61%)
Net position - October 1,	<u>1,093,732</u>	<u>994,720</u>	<u>99,012</u>	<u>10%</u>
Net position - September 30,	<u>\$ 1,132,465</u>	<u>\$ 1,093,732</u>	<u>\$ 38,733</u>	<u>4%</u>

**Financial Analysis of the District's Funds**

As noted earlier, the District uses fund accounting to ensure and demonstrate compliance with finance-related legal requirements.

**Governmental funds.** The focus of the District's governmental fund is to provide information on near-term inflows, outflows, and balances of spendable resources. Such information is useful in assessing the District's financing requirements. In particular, unassigned fund balance may serve as a useful measure of a government's net resources available for spending at the end of the fiscal year.

As of the end of the current fiscal year, the District's governmental fund reported a fund balance of \$ 1,123,753.



## **BRAZORIA COUNTY GROUNDWATER CONSERVATION DISTRICT**

*Management's Discussion and Analysis  
For the Year Ended September 30, 2016*

**General Fund Budgetary Highlights.** The District enacted a formal budget for the year ended September 30, 2016. Budget exceeded actual expenditures by \$ 36,142 and revenues exceeded budget by \$ 70,614.

### **Economic Factors and Next Year's Budgets and Rates**

The annual budget is the means by which District Director's set the direction of the District, and allocate its resources.

In considering the budget for fiscal year 2017, District Director's considered the following factors:

- Estimated fee revenues of \$ 437,400.
- Employee costs of \$ 224,999.
- Consultant costs of \$ 139,125.

### **Request for Information**

This financial report is designed to provide a general overview of the District's finances. Questions concerning any of the information provided in this report or requests for additional financial information should be addressed to the Board of Directors, 111 E. Locust Street, Building A-29, Suite 140, Angleton, Texas, 77515.

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## **GOVERNMENT-WIDE FINANCIAL STATEMENTS**

**BRAZORIA COUNTY GROUNDWATER CONSERVATION DISTRICT**  
**STATEMENT OF NET POSITION**  
*September 30, 2016*

EXHIBIT A-1  
Page 1 of 1

	<u>Total Governmental Activities</u>
<b>ASSETS AND DEFERRED OUTFLOWS OF RESOURCES</b>	
Assets:	
Current:	
Cash	\$ 1,097,921
Accounts receivable - other	36,333
Due from other governments	5,747
Capital assets (Net of Accumulated Depreciation):	
Software	<u>8,712</u>
Total assets	<u>1,148,713</u>
Deferred Outflows of Resources:	
Deferred outflows of resources	<u>                    </u>
Total deferred outflows of resources	<u>-0-</u>
<b>LIABILITIES, DEFERRED INFLOWS OF RESOURCES AND NET POSITION</b>	
Liabilities:	
Current:	
Accounts payable	7,700
Accrued wages and related liabilities	<u>8,548</u>
Total liabilities	<u>16,248</u>
Deferred Inflows of Resources:	
Deferred inflows of resources	<u>                    </u>
Total deferred inflows of resources	<u>-0-</u>
Net Position:	
Net investment in capital assets	8,712
Unrestricted	<u>1,123,753</u>
Total net position	<u>\$ 1,132,465</u>

The notes to the financial statements are an integral part of this statement.

**BRAZORIA COUNTY GROUNDWATER CONSERVATION DISTRICT**

STATEMENT OF ACTIVITIES

For the Year Ended September 30, 2016

EXHIBIT B-1

Page 1 of 1

<u>Functions/Programs</u>	<u>Expenses</u>	<u>Program Revenues Charges for Services</u>	<u>Net (Expense) Revenue and Changes in Net Position Primary Government</u>
			<u>Total Governmental Activities</u>
<b>GOVERNMENTAL ACTIVITIES:</b>			
General government and administration	\$ 366,329	\$ 417,580	\$ 51,251
Groundwater conservation	<u>23,281</u>	<u>                    </u>	<u>( 23,281)</u>
Total governmental activities	<u>\$ 389,610</u>	<u>\$ 417,580</u>	<u>27,970</u>
<b>GENERAL REVENUES</b>			
Interest income			5,717
Miscellaneous			<u>5,046</u>
Total general revenues			<u>10,763</u>
Change in net position			38,733
Net position - beginning			<u>1,093,732</u>
Net position - ending			<u>\$ 1,132,465</u>

The notes to the financial statements are an integral part of this statement.

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## **FUND FINANCIAL STATEMENTS**

**BRAZORIA COUNTY GROUNDWATER CONSERVATION DISTRICT**  
*BALANCE SHEET – GENERAL FUND*  
 September 30, 2016

EXHIBIT C-1  
 Page 1 of 1

	<u>General Fund</u>
<b>ASSETS AND DEFERRED OUTFLOWS OF RESOURCES</b>	
Assets:	
Cash	\$ 1,097,921
Accounts receivable	36,333
Due from other funds	<u>5,747</u>
Total assets	<u>1,140,001</u>
Deferred Outflows of Resources:	
Deferred outflows of resources	<u>                    </u>
Total deferred outflows of resources	<u>-0-</u>
Total assets and deferred outflows of resources	<u>\$ 1,140,001</u>
<b>LIABILITIES, DEFERRED INFLOWS OF RESOURCES AND FUND BALANCE</b>	
Liabilities:	
Accounts payable	\$ 7,700
Accrued wages and related liabilities	<u>8,548</u>
Total liabilities	<u>16,248</u>
Deferred Inflows of Resources:	
Deferred inflows of resources	<u>                    </u>
Total deferred inflows of resources	<u>-0-</u>
Fund Balance:	
Unassigned	<u>1,123,753</u>
Total fund balance	<u>1,123,753</u>
Total liabilities, deferred inflows of resources and fund balance	<u>\$ 1,140,001</u>

The notes to the financial statements are an integral part of this statement.



**BRAZORIA COUNTY GROUNDWATER CONSERVATION DISTRICT**  
*RECONCILIATION OF THE GOVERNMENTAL FUNDS BALANCE SHEET*  
*TO THE GOVERNMENTAL ACTIVITIES STATEMENT OF NET POSITION*  
September 30, 2016

EXHIBIT C-1R  
Page 1 of 1

Total fund balances – governmental funds balance sheet	\$ 1,123,753
Amounts reported for governmental activities in the statement of net position are different because:	
Capital assets used in governmental activities are not financial resources and therefore are not reported in the funds. Capital assets include \$ 78,410 in assets less \$ 69,698 in accumulated depreciation.	<u>8,712</u>
Net position of governmental activities – statement of net position	<u>\$ 1,132,465</u>

The notes to the financial statements are an integral part of this statement.

**BRAZORIA COUNTY GROUNDWATER CONSERVATION DISTRICT**  
**STATEMENT OF REVENUES, EXPENDITURES, AND CHANGES IN FUND BALANCE**  
**(GENERAL FUND)**  
Year Ended September 30, 2016

EXHIBIT C-2  
Page 1 of 1

	<u>General Fund</u>
<b>REVENUES</b>	
Licenses and permits	\$ 417,580
Interest income	5,717
Miscellaneous	<u>5,046</u>
Total revenues	<u>428,343</u>
<b>EXPENDITURES</b>	
Current:	
General Government and Administration:	
Advertisement (Legal Notices)	82
Communications	3,994
Computer software/equipment	10,365
Dues and licenses	728
Employee benefits	38,184
Equipment rental	1,912
Bonds	437
Insurance	4,202
Legal	9,591
Office supplies	8,623
Postage/Freight	584
Professional Services	157,906
Salaries	97,832
Subscriptions	177
Travel	5,575
Groundwater Conservation:	
Architecture/Engineering	<u>23,281</u>
Total expenditures	<u>363,473</u>
Net change in fund balance	64,870
Fund balance - beginning	<u>1,058,883</u>
Fund balance - ending	<u>\$ 1,123,753</u>

The notes to the financial statements are an integral part of this statement.

**BRAZORIA COUNTY GROUNDWATER CONSERVATION DISTRICT**  
*RECONCILIATION OF THE STATEMENT OF REVENUES, EXPENDITURES AND  
CHANGES IN FUND BALANCE OF GOVERNMENTAL FUNDS TO THE  
GOVERNMENTAL ACTIVITIES STATEMENT OF ACTIVITIES*  
Year Ended September 30, 2016

EXHIBIT C-2R  
Page 1 of 1

Net change in fund balances – total governmental funds	\$ 64,870
Amounts reported for governmental activities in the statement of activities are different because:	
Governmental funds report capital outlays as expenditures. However, in the governmental activities statement of activities, the cost of those assets is allocated over their estimated useful lives as depreciation expense. The amount by which depreciation of \$ 26,137 exceeds capital outlay of of \$ -0- in the current year.	( <u>26,137</u> )
	<u>\$ 38,733</u>

The notes to the financial statements are an integral part of this statement.

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**BRAZORIA COUNTY GROUNDWATER CONSERVATION DISTRICT**

*NOTES TO THE FINANCIAL STATEMENTS*

*September 30, 2016*

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# BRAZORIA COUNTY GROUNDWATER CONSERVATION DISTRICT

## NOTES TO THE FINANCIAL STATEMENTS

September 30, 2016

### NOTE 1. SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES

The District was formed on September 1, 2003 by the 78<sup>th</sup> Legislature of the State of Texas in House Bill No. 3602 (the "Act"). Pursuant to the Act, the Board of Directors of the District has the permitting and general management powers granted under Chapter 36 of the Texas Water Code. Section 36.101 of the Texas Water Code authorizes a groundwater conservation district to make and enforce rules to provide for conserving, preserving, protecting, and recharging of the groundwater or of a groundwater reservoir or its subdivisions in order to control subsidence or prevent waste of groundwater and to carry out the powers and duties provided by Chapter 36 of the Texas Water Code. The District board, a five-member elected group, is the level of government that serves to provide groundwater conservation within Brazoria County, Texas.

#### **Reporting Entity**

The elected Board of Directors has the authority to make decisions, appoint administrators and managers; significantly influence operations; and has the primary accountability for fiscal matters. Therefore, the District is not included in any other governmental "reporting entity" as defined by GASB in its Statement No. 61, "The Reporting Entity: Omnibus". There are no component units included within the reporting entity.

#### **Government-Wide and Fund Financial Statements**

The government-wide financial statements (i.e., the statement of net position and the statement of activities) report financial information on all of the activities of the primary government. The District maintains one fund (General Fund); therefore, there are no interfund activities. The *governmental activities* are supported by fees and loans. The District has no *business-type activities* that rely, to a significant extent, on fees and charges for support.

The statement of activities demonstrates the degree to which the direct expenses of a given function are offset by program revenues. *Direct expenses* are those that are clearly identifiable with a specific function. *Program revenues* include 1) charges to customers or applicants who purchase, use or directly benefit from goods, services, or privileges provided by a given function and 2) grants and contributions that are restricted to meeting operational or capital requirements of a particular function. Other items not properly included among program revenues are reported instead as *general revenues*.

Separate financial statements are provided for governmental funds. Major individual governmental funds are reported in separate columns in the fund financial statements. The General Fund is currently the only fund maintained by the District.

#### **Measurement Focus, Basis Of Accounting, and Financial Statement Presentation**

The government-wide financial statements are reported using the *economic resources measurement focus* and the *accrual basis of accounting*. Revenues are recorded when earned and expenses are recorded when a liability is incurred, regardless of the timing of related cash flows. Fees are recognized as revenues in the year for which they are charged. Grants and similar items are recognized as revenues as soon as all eligibility requirements imposed by the provider have been met.

# BRAZORIA COUNTY GROUNDWATER CONSERVATION DISTRICT

## NOTES TO THE FINANCIAL STATEMENTS

September 30, 2016

### NOTE 1. SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (Continued)

#### **Measurement Focus, Basis Of Accounting, and Financial Statement Presentation (Continued)**

Governmental fund financial statements are reported using the *current financial resources measurement focus* and the *modified accrual basis of accounting*. Revenues are recognized as soon as they are both measurable and available. Revenues are considered to be *available* when they are collectible within the current period or soon enough thereafter to pay liabilities of the current period. For this purpose, the government considers revenues to be available if they are collected within 60 days of the end of the current fiscal period. Expenditures generally are recorded when a liability is incurred, as under accrual accounting.

Revenues from local sources consist primarily of fees. Fee revenues are recorded as revenue when received in cash because they are generally not measurable until actually received. Investment earnings are recorded as earned, since they are both measurable and available.

Revenue from investments is based upon fair value. Fair value is the amount at which a financial instrument could be exchanged in a current transaction between willing parties, other than in a forced or liquidation sale. Most investments are reported at amortized cost when the investments have remaining maturities of one year or less at time of purchase.

When both restricted and unrestricted resources are available for use, it is the District's policy to use restricted resources first and the unrestricted resources as needed.

The District reports the following major governmental fund:

The *general fund* is the government's primary operating fund. It accounts for all financial resources of the District, except those required to be accounted for in another fund. The major revenue source is fees (application, production, export and other administrative). Expenditures include all costs associated with the daily operations of the District. The District has only one fund, the general fund.

#### **Budgetary Data**

The budget law of the State of Texas provides that amounts budgeted for current expenditures from the various funds of the District shall not exceed the balances in the funds, plus the anticipated revenues for the current year. The legal level of budgetary control is at the functional level (Current Expenditures: General Government and Administration and Groundwater Conservation, Capital Outlay, and Debt Service) of each fund. Any expenditures, which alter the total budgeted amounts of a fund, must be approved by the Board of Directors, and the budget amended. Budgets are adopted on a basis consistent with generally accepted accounting principles.

During the year ended September 30, 2016, the District Board of Directors enacted a formal budget.

# BRAZORIA COUNTY GROUNDWATER CONSERVATION DISTRICT

## NOTES TO THE FINANCIAL STATEMENTS

September 30, 2016

### NOTE 1. SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (Continued)

#### **Cash and Investments**

The District considers highly liquid investments with an original maturity of three months or less when purchased to be cash equivalents.

In accordance with GASB Statement No. 31, *Accounting and Financial Reporting for Certain Investments and External Investment Pools*, investments are reported at fair value. Fair values are based on published market rates. Current investments have an original maturity greater than three months but less than one year at the time of purchase. Non-current investments have an original maturity of greater than one year at the time of purchase.

#### **Fees**

Section 3.31 of the District's Rules authorizes the Board of Directors of the District to establish application fees, production fees, export fees and other administrative fees. Beginning October 1, 2006, each well permit holder shall be responsible for reading the meter which measures the amount of water produced by each permitted well at the end of each month. Each well permit holder shall also be responsible for measuring the amount of water exported outside the District's boundaries during the course of each month. Each well permit holder shall accurately report such production and export measurements to the District on reporting forms provided by the District. Failure to make such production and export measures and report the same to the District shall be a violation of the District's rules. The District shall have the right to audit the production and export measurements submitted by the well permit holder by reading the meter at each permitted well. Failure to maintain meters for accurate reporting shall be a violation of the District's rules. All fees must be paid by check or money order. No cash is accepted. Production fees and export fees shall be calculated on the form provided by the District and shall be delivered by the well permit holder to the District with the monthly production and/ or export fees. Application fees shall be submitted with the permit application. This process is referred to as self-reporting. The validity of any permit is contingent upon payment of any applicable application, export or production fee. Failure to make complete and timely payments of a fee will automatically result in a one-time late payment penalty of ten (10) percent of the amount not paid. Failure to make complete and timely payment may also result in the Board declaring the respective well permit void.

The District adopted the following fee schedule effective October 1, 2016:

Permit Application Fees. The District charges well permit application fees of \$ 100 for one-year permits.

Production Fees. The production fee is \$ 0.03 per 1,000 gallons of groundwater produced. Such production fee shall be assessed against all groundwater produced by permitted wells located in the District for all uses other than personal or agricultural uses or to otherwise benefit the land on which the well is located. The production fee is due and payable within 30 days of the date the production fee statement is issued by the District. The minimum production fee is \$ 30 per well.

Export Fees. An export fee of one and a half times the maximum wholesale water rate charged by the City of Houston based on the most recently published fee schedule per 1,000 gallons of groundwater transferred out of the District. Such export fee shall be assessed in addition to the District's production fee. The export fee is due by the last day of the month following the month for which export fee was calculated.



# BRAZORIA COUNTY GROUNDWATER CONSERVATION DISTRICT

## NOTES TO THE FINANCIAL STATEMENTS

September 30, 2016

### NOTE 1. SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (Continued)

#### Long-Term Debt

In the government-wide financial statements long-term debt and other long-term obligations are reported as liabilities in the applicable governmental activities statement of net position. Debt premiums and discounts, as well as issuance costs, are deferred and amortized over the life of the debt using the straight-line method. Debt payable is reported net of the applicable debt premium or discount. The District had no outstanding debt balance at September 30, 2016.

In the fund financial statements, governmental fund types recognize debt premiums and discounts during the current period. The face amount of the debt is reported as other financing resources. Premiums received on debt issuances are reported as other financing sources while discounts on debt issuances are reported as other financing uses. Issuance costs, whether or not withheld from the actual debt proceeds received, are reported as debt service expenditures.

#### Capital Assets

Capital assets are reported in the governmental activities columns in the government-wide financial statements. All capital assets are valued at historical cost or estimated historical cost if actual historical is not available. Donated assets are valued at their fair market value on the date donated. Repairs and maintenance are recorded as expenses. Renewals and betterments are capitalized.

Assets capitalized have an original cost of \$ 5,000 or more and three or more years of useful life. Depreciation has been calculated on each class of depreciable property using the straight-line method. Estimated useful lives are as follows:

Software	3 Years
----------	---------

#### Deferred Outflows and Inflows of Resources

Guidance for deferred outflows of resources and deferred inflows of resources is provided by GASB No. 63, "Financial Reporting of Deferred Outflows of Resources, Deferred Inflows of Resources, and Net Position". Concepts Statement No. 4, Elements of Financial Statements, introduced and defined those elements as a consumption of net position by the government that is applicable to a future reporting period, and an acquisition of net position by the government that is applicable to a future period, respectively. Previous financial reporting standards do not include guidance for reporting those financial statement elements, which are distinct from assets and liabilities. Further, GASB No. 65, "Items Previously Reported as Assets and Liabilities", had an objective to either (a) properly classify certain items that were previously reported as assets and liabilities as deferred outflows of resources or deferred inflows of resources or (b) recognize certain items that were previously reported as assets and liabilities as outflows of resources (expenses or expenditures) or inflows of resources (revenues).

# BRAZORIA COUNTY GROUNDWATER CONSERVATION DISTRICT

## NOTES TO THE FINANCIAL STATEMENTS

September 30, 2016

### NOTE 1. SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (Continued)

#### Fund Equity

##### Fund Balance

The Board of Directors meets on a regular basis to manage and review cash financial activities and to ensure compliance with established policies. The District's unassigned General Fund Balance is maintained to provide the District with sufficient working capital and a margin of safety to address local and regional emergencies without borrowing. The unassigned General Fund Balance may only be appropriated by resolution of the Board of Directors. Fund Balance of the District may be committed for a specific source by formal action of the Board of Directors. Amendments or modifications of the committed fund balance must also be approved by formal action by the Board of Directors.

The District has implemented GASB 54, "Fund Balance, Reporting and Governmental Fund Type Definitions", for its governmental funds. Under this standard, fund balances are required to be reported according to the following classifications:

*Non-spendable Fund Balance* - Includes amounts that cannot be spent because they are either not spendable form, or, for legal or contractual reasons, must be kept intact. This classification includes inventories, prepaid amounts, assets held for sale, and long-term receivables.

*Restricted Fund Balance* - Constraints placed on the use of these resources are either externally imposed by creditors (such as through debt covenants), grantors, contributors or other governments; or are imposed by law (through constitutional provisions enabling legislation).

*Committed Fund Balance* - Amounts that can only be used for specific purposes because of a formal action (resolution or ordinance) by the government's highest level of decision-making authority.

*Assigned Fund Balance* - Amounts that are constrained by the District's intent to be used for specific purposes, but that do not meet the criteria to be classified as restricted or committed. Intent can be stipulated by the governing body, another body (such as a Finance Committee), or by an official to whom that authority has been given. With the exception of the General Fund, this is the residual fund balance classification for all government funds with positive balances.

*Unassigned Fund Balance* - This is the residual classification of the General Fund. Only the General Fund reports a positive unassigned fund balance. Other governmental funds might report a negative balance in this classification, as the result of overspending for specific purposes for which amounts had been restricted, committed, or assigned.

##### Net Position

Net position represents the differences between assets and deferred outflows of resources, and liabilities and deferred inflows of resources. Net investment in capital assets, consists of capital assets, net of accumulated depreciations, reduced by the outstanding balances of any borrowing used for the acquisition, construction or improvements of those assets, and adding back unspent proceeds. Restricted net position, as presented in the government-wide Statement of Net Position, are reported when constraints placed on the use of net position are either 1) externally imposed by creditors (such as through debt covenants, grantors, contributors, or laws or regulations of other governments), or 2) imposed by law through constitutional provisions or enabling legislation.

# BRAZORIA COUNTY GROUNDWATER CONSERVATION DISTRICT

## NOTES TO THE FINANCIAL STATEMENTS

September 30, 2016

### NOTE 2. NEW PRONOUNCEMENTS

GASB issues statements on a routine basis with the intent to provide authoritative guidance on the preparation of financial statements and to improve governmental accounting and financial reporting of governmental entities. Management reviews these statements to ensure that preparation of its financial statements are in conformity with generally accepted accounting principles and to anticipate changes in those requirements. The following recent GASB Statements reflect the action and consideration of management regarding these requirements:

GASB Statement No. 68, "Accounting and Financial Reporting for Pensions – an amendment of GASB Statement No. 27", was issued June 2012. This statement was implemented and did not have a material effect on the financial statements. This statement was effective for periods beginning after June 15, 2014.

GASB Statement No. 71, "Pension Transition for Contributions Made Subsequent to the Measurement Date – an amendment of GASB Statement No. 68", was issued November 2013. This statement was implemented and did not have a material effect on the financial statements. This statement was effective for periods beginning after June 15, 2014.

GASB Statement No. 72, "Fair Value Measurement and Application", was issued February 2015. This statement enhances the transparency and comparability of fair value measurements and disclosures in the state and local governments' financial statements. This statement was implemented and did not have a material effect on the financial statements. This statement was effective for periods beginning after June 15, 2015.

GASB No. 73, "Accounting and Financial Reporting for Pensions and Related Assets That Are Not Within the Scope of GASB Statement 68, and Amendments to Certain Provisions of Statements 67 and 68" was issued June 2015. The management of the District does not expect the implementation of this standard to have a material effect on the financial statements of the District. This statement is effective for periods beginning after June 15, 2016.

GASB No. 74, "Financial Reporting for Postemployment Benefit Plans Other Than Pension Plans" was issued June 2015. The management of the District does not expect the implementation of this standard to have a material effect on the financial statements of the District. This statement is effective for periods beginning after June 15, 2016.

GASB No. 75, "Accounting and Financial Reporting for Postemployment Benefits Other Than Pensions" was issued June 2015. The management of the District does not expect the implementation of this standard to have a material effect on the financial statements of the District. This statement is effective for periods beginning after June 15, 2017.

GASB No. 76, "The Hierarchy of Generally Accepted Accounting Principles for State and Local Governments" was issued June 2015. This statement was implemented and did not have a material effect on the financial statements. This statement was effective for periods beginning after June 15, 2015.

# BRAZORIA COUNTY GROUNDWATER CONSERVATION DISTRICT

## NOTES TO THE FINANCIAL STATEMENTS

September 30, 2016

### NOTE 2. NEW PRONOUNCEMENTS (Continued)

GASB No. 77 "Tax Abatement Disclosures" was issued in August 2015. The management of the District does not expect the implementation of this standard to have a material effect on the financial statements of the District. This statement is effective for periods beginning after December 15, 2015.

GASB No. 78 "Pensions Provided through Certain Multiple-Employer Defined Benefit Pension Plans" was issued in December 2015. The management of the District does not expect the implementation of this standard to have a material effect on the financial statements of the District. This statement is effective for periods beginning after December 15, 2015.

GASB No. 79 "Certain External Investment Pools and Pool Participants" was issued in December 2015. The management of the District does not expect the implementation of this standard to have a material effect on the financial statements of the District. This statement is effective for periods beginning after December 15, 2015.

GASB No. 80 "Blending Requirements for Certain Component Units and amendment of GASB No. 14" was issued in January 2016. The management of the District does not expect the implementation of this standard to have a material effect on the financial statements of the District. This statement is effective for periods beginning after June 15, 2016.

GASB No. 81 "Irrevocable Split-Interest Agreements" was issued in March 2016. The management of the District does not expect the implementation of this standard to have a material effect on the financial statements of the District. The requirements of this Statement are effective for periods beginning after December 15, 2016.

GASB No. 82 "Pension Issues – an amendment of GASB No. 67, No. 68, and No. 73" was issued in March 2016. The management of the District does not expect the implementation of this standard to have a material effect on the financial statements of the District. The requirements of this Statement are effective for periods beginning after June 15, 2016.

### NOTE 3. DEPOSITS AND INVESTMENTS

The District contracts with Brazoria County to provide accounting services. As part of this agreement, Brazoria County maintains accounting records for the District as well as a shared cash account as an agency fund for the District. This agency fund cash account is covered by the same depository agreement and pledged securities maintained by Brazoria County.

The District classifies deposits and investments for financial statement purposes as cash and cash equivalents, current investments, and non-current investments based upon both liquidity (demand deposits) and maturity date (deposits and investments) of the asset at the date of purchase. For this purpose an investment is considered a cash equivalent if when purchased it has maturity of three months or less. Investments are classified as either current investments or non-current investments. Current investments have maturity of one year or less and non-current investments are those that have a maturity of one year or more. See Note 1 for additional Governmental Accounting Standards Board Statement No. 31 disclosures.

# BRAZORIA COUNTY GROUNDWATER CONSERVATION DISTRICT

## NOTES TO THE FINANCIAL STATEMENTS

September 30, 2016

### NOTE 3. DEPOSITS AND INVESTMENTS (Continued)

#### Deposits

Custodial Credit Risk – Deposits. Custodial credit risk is the risk that in the event of a financial institution failure, the District’s deposits may not be returned to them. The District requires that all deposits with financial institutions be collateralized in an amount equal to 100 percent of uninsured balances.

Under Texas state law, a bank serving as the District’s depository must have a bond or in lieu thereof, deposited or pledged securities with the District or an independent third party agent, an amount equal to the highest daily balance of all deposits the District may have during the term of the depository contract, less any applicable FDIC insurance.

#### Investments

Chapter 2256 of the Texas Government Code (the Public Funds Investment Act) authorizes the District to invest its funds in areas that primarily emphasizes the safety of principal and liquidity, addresses investment diversification, yield, and maturity and addresses the quality and capability of investment personnel.

The District held no investments at or for the year ended September 30, 2016. Further, as of September 30, 2016, the District has adopted Brazoria County’s investment policy, as the County has custody of all cash and investments, when applicable. On December 9, 2008, Brazoria County adopted its current investment policy. According to the policy, District funds will be invested in compliance with the Public Funds Investment Act and the County’s Investment Policy, except when a resolution is issued by the District. The County will invest according to investment strategies for each fund as they are adopted by the Commissioners’ Court resolution.

### NOTE 4. CAPITAL ASSETS

	Balance 10/01/15	Additions	Retirements	Balance 9/30/16
Governmental Activities:				
Capital Assets, Being Depreciated:				
Software	\$ 78,410	\$ -0-	\$ -0-	\$ 78,410
Total capital assets, being depreciated	78,410	-0-	-0-	78,410
Less Accumulated Depreciation For:				
Software	43,561	26,137	-0-	69,698
Total accumulated depreciation	43,561	26,137	-0-	69,698
Total capital assets, being depreciated, net	\$ 34,849	\$( 26,137)	\$ -0-	\$ 8,712

# BRAZORIA COUNTY GROUNDWATER CONSERVATION DISTRICT

## NOTES TO THE FINANCIAL STATEMENTS

September 30, 2016

### NOTE 4. CAPITAL ASSETS (Continued)

Depreciation expense was charged to functions/programs of the primary government as follows:

Governmental Activities:

General government and administration	\$ <u>26,137</u>
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Total depreciation expense-governmental activities	\$ <u><u>26,137</u></u>
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### NOTE 5. CONTINGENCIES

The District is contingently liable in respect to lawsuits and other claims in the ordinary course of its operations. The potential settlement (if any) of such contingencies under the budgetary process would require appropriation of revenues yet to be realized and in the opinion of the District management would not materially affect the financial position of the District at September 30, 2016.

### NOTE 6. GASB STATEMENT NOS. 68 AND 71

During the prior year, Brazoria County implemented GASB Statement No. 68, "Accounting and Financial Reporting for Pensions – an amendment of GASB Statement No. 27", and GASB Statement No. 71 "Pension Transition for Contributions Made Subsequent to the Measurement Date – and amendment of GASB No. 68". GASB Statement No. 68 establishes a definition of a pension plan that reflects the primary activities associated with the pension arrangement – determining pensions, accumulating and managing assets dedicated for pensions, and paying benefits to plan members as they come due. GASB Statement 71, amendment of GASB Statement No. 68, addresses the issue regarding application of the transition provisions. It requires a government employer to recognize a net pension liability measured as of a date (the measurement date) no earlier than the end of its prior fiscal year. If a government employer makes a contribution to a defined benefit pension plan between the measurement date of the reported net pension liability and the end of the government's reporting period, it requires that the government recognize its contribution as a deferred outflow of resources. No retroactive restatement of net position or component of long term debt has been separated for recognition in the financial statements of Brazoria County Groundwater Conservation District, as the District's piece is immaterial to its financial statements. The Brazoria County financial statements for the year ending September 30, 2016 have reported amounts in total, and contain the appropriate note disclosures related to the adoption of these standards.

### NOTE 7. EVALUATION OF SUBSEQUENT EVENTS

The District has evaluated subsequent events through March 1, 2017, the date which the financial statements were available to be issued.

**REQUIRED SUPPLEMENTARY INFORMATION**

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**BRAZORIA COUNTY GROUNDWATER CONSERVATION DISTRICT**  
**SCHEDULE OF REVENUES, EXPENDITURES, AND CHANGES IN FUND BALANCE -**  
**BUDGET AND ACTUAL**  
Year Ended September 30, 2016

EXHIBIT D-1  
Page 1 of 1

	Budgeted Amounts		Actual	Variance with Final Budget Positive (Negative)
	Original	Final		
<b>REVENUES</b>				
Licenses and permits	\$ 342,368	\$ 342,368	\$ 417,580	\$ 75,212
Interest income	2,630	5,361	5,717	356
Miscellaneous	<u>10,000</u>	<u>10,000</u>	<u>5,046</u>	<u>( 4,954)</u>
Total revenues	<u>354,998</u>	<u>357,729</u>	<u>428,343</u>	<u>70,614</u>
<b>EXPENDITURES</b>				
Current:				
General Government and Administration:				
Advertisement (Legal Notices)	1,000	1,000	82	918
Books and supplements	100	100		100
Building rental	1	1		1
Communications	5,788	4,488	3,994	494
Computer software	5,000	1,000	7,543	( 6,543)
Computer equipment	2,000	3,000	2,822	178
Conferences and training	800	800		800
Dues and licenses	700	1,000	728	272
Employee benefits	60,364	39,163	38,184	979
Equipment rental	2,000	2,000	1,912	88
Bonds	300	300	437	( 137)
Insurance		4,300	4,202	98
Legal	5,000	5,000	9,591	( 4,591)
Office supplies	2,500	9,500	8,623	877
Postage/Freight	750	750	584	166
Professional Services	214,525	192,025	157,906	34,119
Repairs and maintenance	100	100		100
Salaries	148,492	96,088	97,832	( 1,744)
Subscriptions	300	300	177	123
Travel	2,700	3,700	5,575	( 1,875)
Groundwater Conservation:				
Architecture/Engineering	<u>71,500</u>	<u>35,000</u>	<u>23,281</u>	<u>11,719</u>
Total expenditures	<u>523,920</u>	<u>399,615</u>	<u>363,473</u>	<u>36,142</u>
Net changes in fund balances	( 168,922)	( 41,886)	64,870	106,756
Fund balances – beginning	<u>1,058,883</u>	<u>1,058,883</u>	<u>1,058,883</u>	<u>-0-</u>
Fund balances – ending	<u>\$ 889,961</u>	<u>\$ 1,016,997</u>	<u>\$ 1,123,753</u>	<u>\$ 106,756</u>

The notes to the financial statements are an integral part of this statement.

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