# 2020 ANNUAL REPORT Post Oak Savannah Groundwater Conservation District









POSGCD

www.POSGCD.org



# **2020** ANNUAL REPORT

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Purpose and Scope

This Annual Report on the Post Oak Savannah Groundwater Conservation District's (District or POSGCD) performance in regards to achieving management goals and objectives for the fiscal year is being presented to the Board of Directors of the District (the Board) in accordance with Section 14 of the District's Management Plan. Texas Water Code, Chapter 36.1071 requires that a District develop a comprehensive management plan which addresses required management goals. The original Management Plan for the District was adopted in 2004. It has since been amended and readopted as of December 5, 2017 pursuant to State Law.

The District was created in 2001 by the 77th Legislature to operate in the area covered by Milam and Burleson counties. The District was confirmed by an election held in November 2002. The District is governed by a ten (10) member Board of Directors which serves without pay. Five Board members are appointed by the Commissioners Court of each of the counties composing the District. One member from each county is appointed to represent each of the following interests: agricultural, rural water supply, industry, municipal, and one at large.

The format of this report states the goal, the objective of the goal, the performance standard used to meet each goal and the activity or program the District used to achieve the goal as set out in the Management Plan. The Rules and Management Plan of the District, as well as many other valuable resources are available on the District's website at www.posgcd.org.

HB1784, the District's enabling legislation, requires the Board to meet at least quarterly. Listed here are the meetings and hearings of the Board for the year 2020. Additional information such as the agenda and location may be obtained from the District's website at www.posgcd.org.

# DISTRICT INFO CREATION

The POSGCD was created in Milam and Burleson counties by HB 1784, 77th Legislature in 2001, and a local confirmation election in November 2002. The purpose of this bill is to provide a locally controlled groundwater district to conserve and preserve groundwater, protect groundwater users, protect and recharge groundwater, prevent pollution or waste of groundwater in the central Carrizo-Wilcox area, control subsidence caused by withdrawal of water from the groundwater reservoirs in that area, and regulate the transport of water out of the boundaries of the districts. The District has 10 directors,

5 from each county. It does not have the power to tax and receives all of its revenue from fees imposed on municipal /commercial pumpers and transporters of groundwater. Successful confirmation elections were held in November 2002 in both counties in accordance with Sections 36.017, 36.018, and 36.019, Water Code, and Section 41.001, Election Code.

# MISSION

The Post Oak Savannah Groundwater Conservation District (POSGCD) mission is to adopt and enforce Rules consistent with State law and based on best available science, which provide for the conservation, preservation, protection, recharging, and prevention of waste of groundwater, while supporting the ownership of groundwater and the owner's right to assign or produce that property.

# LOCATION/RESOURCES

The Post Oak Savannah Groundwater Conservation District is located in Milam and Burleson counties. Texas. The District is bordered by Robertson and Brazos Counties to the East, Bell and Falls Counties to the North, Williamson and Lee Counties to the West and Washington County to the South. The District has within its boundaries formations of the Carrizo-Wilcox, Trinity, Queen City, Sparta, and Brazos River Alluvium aquifers. The District is part of two Groundwater Management Areas (GMA) created by the state. These two GMAs are among 16 GMAs throughout the state which hold joint planning meetings to comply with state law in Chapter 36 of the State Water Code. POSGCD is a member of GMA 8 and GMA 12. The two Groundwater Management Areas, 8 is outlined in blue, while 12 is outlined in red.

> Milam County

> > Burleson County

### District Office and Contact Information

310 East Ave C Milano, TX 76556 (p) 512-455-9900 (f) 512-455-9909

www.POSGCD.org

### BOARD OF DIRECTORS POST OAK SAVANNAH GROUNDWATER CONSERVATION DISTRICT



#### Sidney Youngblood Board President

Milam Co Industrial

Sidney has lived in the Marlow community of Milam County for the majority of his life. He enjoys living the ranching lifestyle managing a cow/calf and replacement heifer operation. Sidney was appointed to serve on the Board in 2013 and was elected Board President in 2016.

Sidney has worked in school furniture sales for 30 plus years. He served as Vice-President of Sales with Royal Seating Corporation for almost 20 years valuing the mentorship received from recognized industry leaders.

**Dana McClaren** 

Director

Milam Co Agriculture

Dana L. McClaren graduating

from the University of North

Texas with a B.B.A. in Market-

ing and Texas Tech University

School of Law where she be-

came a member of the Order

of Barristers. in 1984. She was

a partner in the Dallas law firm

of Cowles and Thompson firm

She was a founding partner of

the Cowles and Thompson sat-

ellite office in Temple, TX. Dana

left the practice of law to raise

two daughters, Bryn and Ryle.

They relocated from Houston

to Cameron, Tx in 2008. Dana

works with her husband Bob,

the owner of 44 Farms, since

1985. She serves on the Board

of Directors at Marlow Water

Service Corporation and and

attends Marlow Baptist Church.



#### Board Vice President Milam Co At Large

Steven Wise moved to Milam County in 1983, graduated from Yoe High and Texas A&M. He is an Executive Vice President for Citizens National Bank and resides in the Liberty Community with his family on land that has been owned by his family for 80 years. He was appointed to the Board in 2013 and elected Board Vice-President in 2016. He finds the science of groundwater management and hydrology very interesting and being a landowner/well owner in the shallower part of the Simsboro aquifer. He is dedicated to

the equitable treatment of all property owners.



#### Ward Roddam Director Milam Co Municipal

Ward Roddam has lived in Milam County most of his life. He and his wife of 32 years, Kathryne now live in Rockdale, Texas, where they raised their three daughters, Katie, Kassie and Kourtney. Ward graduated from Rockdale High School then Sam Houston State University. Then he obtained an Associates Degree in Behavioral Science from Bastyr University. Ward worked 20 years for Alcoa Rockdale Operations The last 12 years he worked as a Health and Safety Manager in both the Oil and Gas and the Industrial Services Industry . Ward has been an active member of the Rockdale Volunteer Fire Department and served as Fire Chief for the City of Rockdale for the past 12 years.



#### Tommy Tietjen Board Secretary

Burleson Co Municipal

Tommy lives in Burleson County on a ranch land that has been in his family since the early 50s where he runs a cow calve and stocker operation. He serves on the Burleson County FSA Board, is a Go Texan Volunteer and is a sponsor member for the Rocky Mountain Elk Foundation. He is the past Brazos Valley Chapter Chair of the Elk Foundation

and a member of the SW Cattle Raisers Association. Tommy has served on Post Oak board since 2012. Tommy believes our natural resources are very important so we can pass on our land on to future generations in as good a condition as he received from his parents.



#### **Jay Wilder Director** Burleson Co Agriculture

Jay Wilder graduated from Texas A&M University with a degree in Animal Science. He is a graduate of Texas Agriculture Lifetime Leadership Program, is the president of the Texas Grain Sorghum Association and was President of the Tri-County committee with Texas AgriLife. He is a 4th-generation farmer and he and his wife, Molly, reside on his farm in the Brazos River Bottom near Snook where he has a cow/calf operation, and raises purebred Limousine cattle.



#### Lee Alford Director

Burleson Co Industrial Lee serves as a Director on

the Board of the International Brangus Breeders Association and is a Director on the Board of the TX Brangus Breeders

Assoc. He is also a Ruling Elder on the Session of the First Presbyterian Church of Caldwell. Mr. Alford attended the University of Texas, Austin on a football scholarship. He is a 5th generation rancher in Burleson County and ranches land that has been in his family since 1872. He raises both registered and commercial

Brangus, Angus and Brahman cattle. He is widowed with two sons and three grandchildren.



#### Bob Wilson Director

#### Milam Co Rural Water

Bob Wilson is a Vietnam Veteran having served in the 173th Airborne Brigade as a U.S. Army Captain. He served as President of the Rockdale Branch of Citizens National bank and currently serves as President of the Southwest Milam Water. He served as President of the Rockdale Chamber of Commerce, is a member of the Rockdale Rotary Club and a Deacon and Church Treasurer of First Baptist Church, Mr. Wilson and his wife, Sharla, live just outside of Rockdale in County Club Estates.



#### Becky Goetsch Director

Burleson Co At Large

Becky has lived in Burleson County since 1983, where she met and married her husband, Gabbo. She is an active member of Elizabeth Lutheran Church in Caldwell and was the coordinator of the Elizabeth Lutheran Community Pantry for five years. After careers with Chevron Corporation and as a certified medical transcriptionist, she currently stays busy raising cattle with her husband on land that they proudly own in Burleson County. Becky believes strongly in landowner rights and preservation, conservation, and protection of the aquifers underlying Burleson and Milam counties.



#### Ed Savage Director

#### Burleson Co Rural Water

Ed Savage is a resident of Burleson County and attended Texas A&M where in December 1989 he received his Bachelor of Science in Animal Science. Currently Ed is the Waste Water Field Operations Manager for the City of College Station. He has been employed in this position since 2001. Prior to this iob, he was an Environmental Services Technician and Water/Wastewater systems operator for College Station. He also owns and operates Savage Water Services, LLC, to manage small rural water suppliers in Burleson and Washington Counties.

### **STAFF** POST OAK SAVANNAH GROUNDWATER CONSERVATION DISTRICT



#### Gary Westbrook General Manager

Gary began work for the District in June of 2003 as General Manager. He has a B S in Agriculture Education from Sam Houston State University. Gary served as President of the TAGD from 2005-2007 and serves as the District's representative to GMA 8, and GMA 12, and on the Brazos Regional Water Planning Group. He has been married to Glenda Westbrook since 1980, and they have seven children and two grandchildren. They own land in Milam County, as well as Westbrook Angus Earms which

westbrook Angus Farms, which was founded in 1969 by Gary and his father, the late Garland Westbrook. Gary has served as a local pastor in the United Methodist Church since 1999.



Bobby Bazan Water Resources Specialist

Bobby has worked for the District since 2012. He has a Bachelor of Science in Agricultural Systems Management and a Masters of Science in Water Management from Texas A&M University. Bobby previously worked for the US Forest Service Research



Elaine Gerren Administrative Assistant

Elaine began working for the District in December of 2003. She has a Bachelor of Business Degree from Kennedy Western



#### Craig Andrews Field Technician

Craig Andrews, is the newest member of the POSGCD Monitor Team. He is working to assist Bobby Bazan as we increase the monitoring and beginning checking flow rates of non-exempt wells in the district. Craig was born and raised in Georgetown, TX area. Craig spent a good portion of his formative years

raising cattle, goats and sheep which he continues to this date. He began working in groundwater in 2000 as a field tech doing groundwater monitoring, drilling projects and well investigations for RW Harden and Assoc in Austin. He began helping at Post Oak Savannah GCD at

ost Oak Savannah GCD at the start of 2020.

**Committee Assignments** 



#### Doug Box Education Coordinator

POSGCD in May 2018. Doug brings 22 years experience as Executive Director of Texas Professional Photographers Association to POSGCD. He is a storyteller, ohotographer, videographer and professional speaker. Doug attended Texas Lutheran University and Blinn College where majored in

#### Advisory Committee

Sidney Youngblood, Chair Steven Wise Tommy Tietjen Lee Alford

#### **Rules Committee**

Becky Goetsch, Chair Sidney Youngblood Dana McClaren Tommy Tietjen

#### **DFC Committee**

Steven Wise, Chair Ed Savage Ward Roddam Becky Goetsch

#### **Building Committee**

Sidney Youngblood, Chair Jay Wilder Lee Alford Dana McClaren

#### **Grant Committee**

Lee Alford, Chair Dana McClaren Jay Wilder Steven Wise

#### **Education Committee**

Bob Wilson, Chair Ed Savage Jay Wilder Ward Roddam

#### **Legislative Committee**

Ward Roddam Bob Wilson Jay Wilder Tommy Tietjen



# LETTER FROM THE BOARD PRESIDENT SIDNEY YOUNGBLOOD

Dear Friends of Post Oak Savannah Groundwater Conservation District,

As we reflect on the challenges of 2020, it is with sincere hope that I pray each of you enjoyed a much-needed Holiday Season with as much peace and joy as possible. As our Board and Staff continue to strive to serve the citizens of Milam and Burleson Counties, we realize it is only with the support of our constituents in these two counties that we are able to succeed in our efforts to fulfil our mission statement. It is with recognition and gratitude of this support we review this past year's accomplishments, and plan for future successes in the management of groundwater resources of the District.

As with any organization we have experienced change. During this past year we have seen the retirement of two Board members and one employee. Mr. Durwood Tucker, Milam County Agricultural Interests, and Mr. Chris Whittaker, Milam County Municipal Interests, have both moved on to other endeavours and we wish them the best in all they do. These positions have been capably filled by our Milam County Commissioner's Court with Mrs. Dana McClaren and Mr. Ward Roddam, respectively. Both have worked diligently to get "up to speed" with District issues and will be exceptional additions to our Board. Mr. Ralph Sifuentes, serving as the District's Field Technician, served our citizens well for three years as he helped expand the District's Well Monitoring Network and establish high standards for performance. Depending on experienced persons to fill such an important position, Mr. Craig Andrews began work to fill that position December 1.

We realize that we continue to benefit from the input and interaction of our citizens in our efforts. Who would have thought that one year ago, we would be dependent upon technology to replace face to face meetings? It is in this new world that we continue to find new ways to be inclusive and respectful of those who desire to participate, even if we are currently only able to do so in a virtual platform. As we continue to develop new programs and advance current programs, we continue to strive to pioneer new ways to be inclusive of interaction with the public in this "new normal", and we look forward to a time in the near future when we can resume in person meetings.

Our commitment is as strong as ever to continue to provide the highest level of service to the citizens of our District as we carry out our mission of conserving and preserving the groundwater resources in our area while respecting the property rights in groundwater of all landowners.

With the support of the Board of Directors, and through dedication of our qualified staff, achievements of the District during 2020 are many. Among new accomplishments was efforts under our Groundwater Well Assistance Program (GWAP). GWAP was created to assist well owners whose wells lost service ability due to regional groundwater production. During 2020, District staff evaluated 47 wells, and rendered assistance in restoring water service in 23 of those situations, with funds from the GWAP funding 100% of the work for a total of \$84,904. This important service to our citizens will continue. Maybe among the most overlooked accomplishments is the fact that staff and Board adjusted to the necessities and requirements of COVID protocols designed to protect the public and kept the District office open and accessible to the public with no lapse in service. This included much planning and teamwork and has proven to set a standard of excellence.

Another notable accomplishment includes completion of the second year of enrolment of the innovative and popular Aquifer Conservancy Program. Through cooperation of many well owners, the coverage and monitoring of water levels in aquifers in the District increased as well. And of course, the District's grant programs continue to set new standards for conservation and education.

#### Here are some important statistics:

#### **Aquifer Conservancy Program**

-Now over 600 parcels of property, including over 45,000 acres covering both Milam and Burleson Counties are enrolled.

-More than 75% of the acreage enrolled is committed for 20 years

# **LETTER FROM THE BOARD PRESIDENT**

### SIDNEY YOUNGBLOOD

#### **Monitoring Well Summary**

-292 monitor wells, increased from 241, covering 8 aquifers in the District

-31 monitor wells equipped with transducers to record continuous hourly measurements

-27 monitor wells, increased from 10, equipped with acoustic devices providing real time reporting

-11 monitor wells, increased from 8, from converted abandoned oil and gas wells in strategic areas

-8 monitor wells drilled by the District in strategically located places

-All water level monitoring information available to the public through access of the District's website -Identification of areas of interest for future monitoring well locations

#### **Groundwater Conservation Grants**

-1 Million awarded through 6 grants during 2020 to public water utilities in both counties, bringing the total since 2006 to \$14.3 million awarded for conservation

-\$5,942 awarded to local volunteer fire departments for water conservation materials and nozzles

-\$13,475 awarded to plug abandoned water wells

-10 Rainwater Harvesting systems installed consisting of 15 cisterns with a total of 84,560 gallons of storage

#### **Education Efforts**

-Cooperative Conservation classes through Texas A&M AgriLife with 5 workshops serving 138 with classes on rainwater harvesting, EarthKind, and irrigation with collected rainwater

-Cooperative Water Quality Testing for more than 100 privately owned water wells

-Supported state-wide Texas A&M AgriLife 4-H Water Ambassadors program educating 66 high students on water issues across the state

The website remains a big part of our outreach to citizens and landowners. In 2020 our website enjoyed a total of 27,913 page views during 10,578 sessions from 9251 visitors. This yields an average daily page view count of 76.3, with an average of 253 visitors per day.

The POSGCD Twitter account receives an average of 54 views per day with 376 followers, with Facebook posts averaging 22 views and 100% retention.

Understanding the importance of public involvement in all we do, our Board and Staff continue to encourage public involvement of our citizens in our all of our efforts. This may mean participation virtually, and when possible, in person. No matter the method, your participation in committee meetings, Board meetings, workshops, educational opportunities and hopefully this year the resuming of our annual Milam and Burleson Counties Groundwater Summit continues to prove invaluable.

As always, our capable staff stands ready to assist your organization with educational opportunities on groundwater or conservation-based presentations that can be tailored to topics that best help meet the needs of all kinds of groups, no matter the size or orientation. We thank you in advance for your continued support of our programs of conservation of these precious resources, and for your continued efforts to advance these worthwhile causes by encouraging your family, friends and neighbours to join with us as well.

We also encourage you to take advantage of the many opportunities to communicate your feedback to us on your experiences with our District and its programs. Please feel free to call, email, text, or interact with us virtually, or of course you are always invited to simply drop by the office.

Again, on behalf of our Board and staff, we thank everyone for their efforts to make 2020 such a great year! We stand prepared to work with you to support the District's missions as we strive to achieve even greater progress in 2021.

Sincerely, SIDNEY YOUNGELOOD

Sidney Youngblood Board President

HB1784, the District's enabling legislation, requires the Board to meet at least quarterly. Listed here are the meetings and hearings of the Board for the year 2020. Additional information such as Agenda, materials and location may be obtained from the District's website at www.posgcd.org.



# Committee Meetings

1-14-20 4-30-20 5-9-20 6-9-20 8-28-20 10-8-20 11-9-20 12-4-20 12-21-20 Meeting Workshop Workshop Workshop Workshop Workshop Workshop Meeting

Meeting

**Rules** Committee

2-27-20 Meeting

**Education Committee** 

Meeting

# **GMA Meetings**

GMA 8 Meetings

02-26-20 05-15-20 08-07-20 10-27-20 GMA 8 Meeting GMA 8 Meeting GMA 8 Meeting <u>GMA</u> 8 Meeting

#### **GMA 12 Meetings**

4-27-20

01-29-20 07-24-20 09-18-20 10-22-20 12-10-20 GMA 12 Meeting GMA 12 Meeting GMA 12 Meeting GMA 12 Meeting GMA 12 Meeting

## **Statewide Participation**

The District participates from time to time as appropriate, through Board member, staff or consultants, as a resource or member for groups and associations, both local and statewide, where it is beneficial to the District's goals and mission. POSGCD participation in events in 2020 included:



- General Manager's Annual Reports to the Commissioner's Courts of Milam and Burleson Counties.
- The District's General Manager (GM) participated in the Texas Water Conservation Association (TWCA) Interim Groundwater Committee following the 86th legisla-



tive session, working on possible legislative remedies and serving as a resource to legislators concerning legislative issues including next steps for Desired Future Conditions which are declared unreasonable, petition process to require rule making, notice requirements to affected landowners, and clarification of use of fees for mitigation.

- The GM served as resource at the Texas A&M Agri-Life Tri-County Crops Meeting on January 14, 2020.
- The GM presented a lecture to masters level Texas A&M Environmental Impacts class March 24, 2020.
- The GM served as representative from GMA 12 on Brazos G Regional Water Planning Group in February, June, August, September, and October, 2020.
- The GM served on the Texas Alliance of Groundwater District's (TAGD) Legislative Committee to offer expertise regarding legislation related to including next steps for Desired Future Conditions which are declared un reasonable, petition process to require rule making, notice requirements to affected landowners, and clarification of use of fees for mitigation during the interim following the 86th Legislature.
- The GM served as the President's designee, and served as the acting chairman for GMA 12 during 2020.
- The GM served as the President's designee for GMA 8 during 2020.



Section 5. Management Zones

#### Goal

The District will establish and enforce Rules for the spacing of wells, the maximum allowable production of groundwater per acre of land located over an aquifer, require permits for production, regulate draw down and provide for a reduction in the maximum allowable production and permitted production of groundwater per acre of land based on the different surface and subsurface characteristics and different evaluation and monitoring within the Management Zones.

#### **Action Taken**

POSGCD maintains Rules to accomplish the objectives and goals expressed in the Management Plan in Section 1- District Mission, and Section 5 Management Zones. In 2020, POSGCD approved the permits listed in Table 1 after finding the applications to be in accordance with district rules and the management plan based on the findings of the District's staff, general counsel, and their hydrogeologist. The District also accepted applications of exempt wells, both preexisting or to be drilled, in accordance with state law, district rules and management planning. These well registrations are listed in Table 2.



Section 6. Management of Groundwater Supplies

#### Goal

The District will evaluate and monitor groundwater conditions and regulate production consistent with this plan and the District Rules.

The District will adopt rules to regulate groundwater withdrawals by means of well spacing and production limits as appropriate to implement this Plan.

#### **Action Taken**

In 2020, POSGCD measured and evaluated water levels in the monitoring wells identified in the District's Well Monitoring Network. These wells provide coverage for all aquifers that are currently being pumped in the District for the purpose of joint planning. POSGCD used transducers at 31 and Wellntel at 27 for a total of 58 of the monitoring wells, to continuously measure water levels. POSGCD maintains rules to regulate groundwater withdrawals by means of well spacing, measured water levels, and production limits per acre.

Predicted Average Drawdown(ft) and





# Section 7. Desired Future Conditions

The District shall participate in the joint planning process of Groundwater Management Area (GMA) 8 and GMA 12 as defined per TWC § 36.108, including establishment of Desired Future Conditions (DFCs) for management areas within the District. In its evaluation of potential DFCs, the District shall consider results from groundwater availability models, scientific reports, and the conditions of the aquifer within the management zones.

#### **Action Taken**

POSGCD participates in joint planning for GMA 8 and GMA 12 as required under Chapter 36.108, Texas Water Code.

During 2020, the member Districts of GMA 8 met In Person on February 26, and On-Line May 15, August 7 and October 27 to participate in joint planning as required under Chapter 36.108, Texas Water Code.

POSGCD continues to host meetings for GMA 12, and serves as the primary contact for GMA 12. The District's General Manager serves as the GMA 12 Representative on the Brazos G Regional Water Planning Group. During 2020, the meeting was In Person January 29, and On Line July 24, September 18, October 22, and December 10 the member districts of GMA 12 met in Milano, TX to participate in joint planning as required under Section 36.108, Texas Water Code.

Minutes and presentations from the above meetings are available on the District's website, at www.posgcd.org.

#### Discussion of "MAG Peak Factor" and Possible Considerations in Texas State Water Planning



Presented to Post Oak Savannah GCD Board of Directors February 6, 2018 By Gary Westbrook, POSGCD General Manager Office: 512-455-9900 Cell: 979-571-5761 <u>Email: gwestbrook@posgcd.org</u> <u>Website: www.posgcd.org</u>

Serving the citizens of Milam and Burleson Counties

Section 8. Modeled Available Groundwater (MAG)

#### Goal

As referenced in Section 7, Chapter 36 requires the DFCs to be updated every five years.

#### **Action Taken**

The DFCs and Explanatory Reports for both GMA 8 and GMA 12 were adopted in 2017 and declared administratively complete by the Executive Administrator of the Texas Water Development Board. Upon the adoption of the DFCs, the Executive Administrator of the Texas Water Development Board will establish the MAG and advise the Districts as to the amount of water that may be produced on an average annual basis to achieve each of the DFCs.







Section 10. Groundwater Monitoring

#### Goal

#### Section 9. Water Well Inventory

#### Goal

The District will assign permitted wells to a management zone and to an aquifer based on the location of the well's screen or well depth using the Rules of the District.

#### **Action Taken**

POSGCD assigned permitted wells to management zones and documented these assignments in the well database. Discussions with TWDB continued to reconcile differences between aquifer identifications for monitoring wells in the two databases. This is an ongoing process.

The District's website, www.posgcd.org, now hosts a web application which allows users to query and visualize the location of wells in the District's Water Well inventory.



The District will maintain a monitoring well network that will be used by the District to obtain measured water levels.

The District shall perform groundwater monitoring. The monitoring of the wells will be performed under the direction of the general manager, by trained personnel using a Standard Operation Procedure adopted by the District.

#### **Action Taken**

In 2020, POSGCD measured and evaluated water levels in the monitoring wells identified in the District's Well Monitoring Network. These wells provide coverage for all aquifers declared relevant by the District for the purpose of joint planning. At 31 of the monitoring wells, POSGCD used transducers and at 27 WelIntell acoustic measurement technology to continuously measure water levels.

The District also completed the addition of approximately 51 monitoring wells. As a result, the District now has monitoring wells located throughout the District, and in adjacent counties, as listed in Table 4, at locations shown on maps located on the District's website at www.posgcd.org

The District also shares monitoring responsibilities and exchanges monitoring information with neighbouring GCDs in an attempt to improve collection, exchange of information, and management of the groundwater resources within GMA 12

The District conducted several meetings with the TWDB to discuss and exchange information and ideas regarding a best approach for associating aquifer assignments to monitoring wells. These discussions will continue into 2021.



Section 11. Threshold levels and analysis of groundwater level data

#### Goal

The District shall use threshold levels to help achieve its DFCs and to conserve and preserve groundwater availability and protect groundwater users.

#### **Action Taken**

Threshold levels are evaluated annually to check DFC compliance through water level data collected from wells in the monitoring network. Staff works in conjunction with hydrogeologists to interpret and investigate this data to evaluate the overall health of the aquifer systems. This information is then compiled into reports that are presented to the Board and public at he monthly meetings.

The Board meeting held on November 10, 2020 provided a comprehensive comparison of off site evaluations and monitoring results to the DFCs and goals identified in the District's management plan.

#### Goal

Production and spacing of all wells within the District will be regulated by the District according to the Rules of the District. Well spacing and the rate of production of the well will be dependent on the management zone and the aquifer associated with the well, and other factors included in the Rules of the District.

Section 12. Production and Spacing of Wells

#### **Action Taken**

Each application to drill and operate a non-exempt well filed with the District is reviewed for completeness. In conducting this review, the desired spacing and rate of production are considered within the requirements of the Rules and the management zone spacing and production rates for the applicable management zone identified in the District's Management Plan. All applications were reviewed and approved by one or more of the following, as appropriate: District staff, the District's general counsel, and the District's hydrologist.





#### Goals

The District's Management Plan has been reviewed and approved by the Texas Water Development Board. The plan complies with state and federal law, recognized water conservation and management practices, and provides protections for individual property rights. The District has adopted comprehensive rules pursuant to Chapter 36 as provided in the Management Plan, and those rules have been reviewed, updated and amended as needed to provide more specific protection for individual aquifers, to limit some restrictions on wells that provide water for a household and/or livestock, and to assure consistency with amendments to Chapter 36 and the intent of the Management Plan. As an example, a 2014 amendment of the rules, in response to economic development interests within the District, enabled the District to maintain all the requirements for permitting and production, eliminate delays and serve the best interests of the landowners, the general public and the taxing authorities within the District.

#### **Action Taken**

The District offers groundwater and water conservation educational programs to the Milam and Burleson County school districts, and has established a grant program for public water utilities to fund repairs and improvements to water systems to conserve, and limit the loss of water. The District also continues to work pro actively with GMA 8. GMA 12. the Texas Water Development Board, Burleson and Milam counties, the Texas Alliance of Groundwater Districts, the Brazos River Authority and other public organizations and private citizens, to assure the implementation of the Management Plan, and the protection of the groundwater supplies, aquifers, and property rights of all landowners. In this respect, it is noted that no amendment to either the Management Plan or the rules has been required as a result of significant court decisions regarding groundwater, the rights of landowners or groundwater districts.

#### **Requirements of District Management Plan**



Section 14. Methodology for Tracking District Progress in Achieving Management Goals

The general manager of the District will prepare and present to the Board an annual report on the District's performance and accomplishment of the management goals and objectives.

This report satisfies that requirement.



#### Section 15. Aquifer Storage and Recovery Projects

#### Goals

An Aquifer Storage and Recovery (ASR) project involves the injection of water into a geological formation for subsequent recovery and beneficial use. The District acknowledges that ASR projects can help to improve the overall management of water resources in GMA 12. However, the District also recognizes that poorly designed and instrumented ASR project can be operated in such a manner as to adversely affect the production capacity of existing wells located near the ASR project. As ASR projects are identified, the District will coordinate with the Texas Commission on Environmental Quality to provide data and/or technical expertise that could assist with the evaluation of the proposed ASR project.

#### **Action Taken**

There were no proposed ASR projects in 2020.



### Section 16. Management Goals, Objectives, & Performance Standards

#### 16.1 Efficient Use of Groundwater

#### Management Objectives:

1. The District will maintain a monitoring well network with at least 50 monitoring wells to provide coverage across management zones and aquifers within the District. The District will measure water levels at the monitoring well locations at least once every calendar year. A written analysis of the water level measurements from the monitoring wells will be made available through a presentation to the Board of the District at least once every three years.

2. The District will provide educational leadership to citizens within the District concerning this subject. The activity will be accomplished annually through at least one printed publication, such as a brochure, and public speaking at service organizations and public schools as provided for in the District's Public Education Program.

### Footprint Comparisons of Aquifer and 400-ft Zone



Section 16. Management Goals, Objectives, & Performance Standards 16.1 Efficient Use of Groundwater

#### **Performance Standards:**

1. Maintain a monitoring well network and its criteria, and measure at least 100 monitoring wells at least once every calendar year.

Table 4 lists 292 wells that were a part of POSGCD monitoring well network in 2020, for which water levels were recorded at least once during that year. At 31 of these wells, data loggers coupled were with transducers and 27 with WelIntel acoustic measurement technology units to obtain continuous water level measurements.

2. Number of monitoring wells measured annually by the District. Written report presented to the Board to document that water levels at these monitoring wells have been measured a minimum of once each year.

Table 4 lists wells that were a part of POSGCD monitoring well network in 2020 for which water levels were recorded at least once during that year. A report on this monitoring was presented to the Board on November 10, 2020 in a comprehensive evaluation of monitoring results compared to DFCs and management goals as identified in the District's management plan.

3. The number of publications and speaking appearances by the District each year under the District's Public Education Program.



16.2 Controlling and Preventing Waste of Groundwater.

#### **Management Objectives:**

1. The District will provide educational leadership to citizens within the District concerning controlling and preventing the waste of groundwater. The activity will be accomplished annually through at least one printed publication, such as a brochure, and public speaking at service organizations and public schools as provided for in the District's Public Education Program. During years when District revenues are sufficient, the District will consider funding a grant to obtain a review, study, or report of pertinent groundwater issues, or to sponsor the attendance of students at summer camps/seminars that place emphasis on the conservation of water resources.



16.2 Controlling and Preventing Waste of Groundwater. (cont)

#### **Performance Standards:**

1. The number of publications and speaking appearances by the District each year, and the number of grants considered and students actually accepting and attending an educational summer camp or seminar.

# Subsidence

**16.3 Control and Prevent Subsidence** 

#### **Management Objectives:**

1. The District will monitor draw downs with due consideration to the potential for land subsidence. At least once every three years, the District will assess the potential for land subsidence for areas where water levels have decreased more than 100 feet since the year 2000.



#### **16.3 Control and Prevent Subsidence**

#### **Performance Standards:**

1. Within three years of the approval of this plan and every three years thereafter, the District will map any region where more than 100 feet of draw down has occurred since the year 2000 and assess the potential for land subsidence. The results of this assessment will be presented and discussed in a District Board meeting.

POSGCD evaluated water level measurements from over 230 monitoring wells and did not find any evidence of draw down that would be sufficient to cause land subsidence has occurred during the last few years or evidence it will occur in the next few years.



16.4 Conservation of Groundwater including Rainwater Harvesting, Precipitation Enhancement, Brush Control, Conjunctive Use, and/or Recharge Enhancement of Groundwater Resources in the District

#### **Management Objectives:**

1. The District will provide educational leadership to citizens within the District concerning this subject. The educational efforts will be through at least one printed publication, such as a brochure, and at least one public speaking program at a service organization and/or public school as provided for in the District's Public Education Program. Each of the following topics will be addressed in that program:

- A. Conservation
- B. Rainwater Harvesting
- C. Brush Control
- D. Recharge Enhancement
- E. Conjunctive Use
- F. Precipitation Enhancement

2. During years when District revenues are sufficient, the District will consider sponsoring the attendance of students and/or teachers at summer camps/seminars that place emphasis on the conservation of groundwater, rainwater harvesting, brush control, groundwater recharge enhancement, conjunctive use, precipitation enhancement of water resources, or a combination of such groundwater management programs.

3. The District will encourage and support projects and programs to conserve and/or preserve groundwater, and/ or enhance groundwater recharge, by annually funding the District's Groundwater Conservation and Enhancement Grant Program. During years when the District's revenues remain at a level sufficient to fund the program. The objective of this program is to obtain the active participation and cooperation of local water utilities, fire departments, and public agencies in the funding and successful completion of programs and projects that will result in the conservation of groundwater and the protection or enhancement of the aquifers in the District. The qualifying water conservation projects and programs will include, as appropriate, projects that: result in the conservation of groundwater, reduce the loss or waste of groundwater, recharge enhancement, rainwater harvesting, precipitation enhancement, brush control, or any combination thereof. The District's objective is to benefit the existing and future users of groundwater in the District by providing for the more efficient use of water, increasing recharge to aquifers, reducing waste, limiting groundwater level declines, and maintaining or increasing the amount of groundwater available, by awarding at least one grant under the program in each county annually.





16.4 Conservation of Groundwater including Rainwater Harvesting, Precipitation Enhancement, Brush Control, Conjunctive Use, and/or Recharge Enhancement of Groundwater Resources in the District (cont)

#### **Performance Standards:**

1. The number of publications and speaking appearances by the District each year under the District's Public Education Program.

2. The number of students sponsored to attend a summer camp/seminar emphasizing the conservation of water.

The District offered the opportunity to students and youth through schools in the District but no applications were received. The District continued support during 2020 for the Texas A&M Agri-Life Texas 4-H Water Ambassadors Program through annual sponsorship in its program. Students from the District and other areas of the state benefit from this sponsorship. Details can be found on our Facebook page.





#### 16.6 Drought Management Strategy

16.5 Conjunctive Use of Surface and Groundwater Management Objective:

1. The District will confer annually with the Brazos River Authority (BRA) on cooperative opportunities for conjunctive resource management.



#### 16.5 Conjunctive Use of Surface and Groundwater

#### **Performance Standard:**

with the District.

1. The number of conferences with the BRA on conjunctive resource management.

2. The number of times each year in which the applicant, general manager or the Board considers conjunctive use in the permitting process.

The District's General Manager discussed this item on September 23, 2020 with representatives of the Brazos River Authority during meetings held at the Texas Water Conservation Association's Spring Conference. No applications for conjunctive use were filed The aquifers within the District are substantially resistant to water level declines during drought conditions. As a result, the District does not have a drought management strategy based on precipitation metrics such as the Palmer Drought Index. The District management strategy is to review and to verify enforcement of Drought Management Plans adopted by District permit holders and entities that contract to purchase water from District permit holders.

#### **Management Objectives:**

1. When permits or contracts are issued, as applicable, the District will confirm that all entities have a Drought Management Plan or Drought Contingency Plan that has been approved by the Texas Commission on Environmental Quality or another regulatory agency in the State of Texas.



16.6 Drought Management Strategy Performance Standards:

2. State approved Drought Management Plans or Drought Contingency Plans on file at the District Offices.

The District hydrogeologists have reviewed the monitoring well data during the last ten years and have confirmed that the aquifers of the Districts are substantially resistant to water level declines during drought. The District's Rules require that all permit holders with Drought Plans or Management Strategies are required to abide by those plans and strategies.



## 16.7 Natural Resource Issues That Impact the Use and Availability of Groundwater and Which are Impacted by the Use of Groundwater

The District reviewed applications and approved issuance of 28 permits for non-exempt wells in 2020 (see Table 1), of which 11 were limited term permits for Oil and Gas fracturing (see Table 1). None of these permits were deemed to have sufficient pumping to potentially cause significant water level change.

#### **Management Objectives:**

1. The District will confer at least once every two years with appropriate agencies on the impact of groundwater resources in the District.

2. The District will evaluate permit applications for new wells and the information submitted by the applicants on those wells prior to drilling. The District will assess the impact of these wells on the groundwater resources in the District.

3. The District will implement the POSGCD Well Closure Program. The objective of the well closure program is to obtain the closure and plugging of derelict and abandoned wells in a manner that is consistent with state law, for the protection of the aquifers, the environment, and the public safety. The District will conduct a program to identify, inspect, categorize and cause abandoned and derelict water, oil and gas wells to be closed and plugged, by annually funding the program or segments or phases of the program appropriate to be funded in such fiscal year. The District will fund the closure of at least one abandoned well during years when the District's revenues remain at a level sufficient to fund the program.



#### 16.7 Natural Resource Issues That Impact the Use and Availability of Groundwater and Which are Impacted by the Use of Groundwater

#### Performance Standards:

1. The number of conferences with a representative of appropriate agencies.

The General Manager (GM) participated on TAGD (August 30, 2017) and TWCA (January 13, 2017) committees to discuss oil and gas uses of groundwater, and District regulation of the same.

2. Reports to the Board on the number of new well permit applications filed, and the possible impacts of those new wells on the groundwater resources in the District.

These reports are given at the regular meetings of the Board and are available in the District's meeting minutes, which may be found on the District's website at www.posgcd.org.

3. Annual funding, when applicable, for the District's Well Closure Program, and the number of wells closed and plugged as a result of the Well Closure Program.

The District funded well plugging for 10 qualified wells for a total of \$ 13,475.30 in 2020.



#### 16.8 Groundwater Well Assistance Program Management Objective:

1. Beginning in 2018, the District will maintain a Groundwater Well Assistance Program (GWAP). The primary purpose of the GWAP is to help restore a water supply to well owners in the District who own wells that have experienced significant adverse impacts, and where applicable to address well conditions to prevent significant adverse impacts, from groundwater level declines caused by aquifer-wide groundwater pumping in GMA 12. A secondary purpose of the GWAP is to improve the monitoring program and the POSGCD's understanding of groundwater aquifer systems in the District by increasing the number of monitoring wells in the monitoring well network and by performing localized hydrogeological studies at these monitoring locations.



16.8 Groundwater Well Assistance Program Performance Standard:

The objective was met when the GWAP was adopted at the Board Meeting on January 9, 2018.

In 2020 we have assisted 23 land owners for a total of- \$ 84,903.79 with the GWAP program.

# Mitigation

#### 16.9 Mitigation Management Objective:

The District will require filing with the District of mitigation plans required by the District or any State agency regarding impacts caused by groundwater pumping in the District.



#### 16.9 Mitigation Performance Standards:

1. Mitigation plans on file at the District that are related to groundwater pumping in the District.

During 2013, ALCOA's mitigation plan, required by the Railroad Commission of Texas (TRRC) in conjunction with mining permits from TRRC, and the mitigation plan adopted by Gonzales Co. UWCD were reviewed by District staff, attorneys, and hydrogeologists. These plans were revisited during 2017 in development of the Groundwater Well Assistance Program.

At the November 10, 2015 Board Meeting a presentation was given to the Board by Mr. Fred Russell of Gause, TX, concerning the benefits of a District mitigation program. At this time, the District maintains successful management under current District Rules and management strategies negates this need, however, to address this request from citizens, the District developed the Groundwater Well Assistance Plan during 2017, and adopted this plan in 2019.

The District will continue to review mitigation plans prepared by other agencies.

2. Report of the impacts and predicted impacts on well owners in the District on file at the District Offices.

District staff presented reports and/or discussion on this topic during evaluations of compliance with adopted Desired Future Conditions at Board meeting on November 10, 2020.



#### 16.10 Desired Future Conditions (DFCs) Management Objective:

1. At least once every three years, the District will monitor water levels and evaluate whether the change in water levels is in conformance with the DFCs adopted by the District. The District will estimate total annual groundwater production for each aquifer based on the water use reports, estimated exempted use, and other relevant information, and compare these production estimates to the MAGs.

#### 16.10 Desired Future Conditions (DFCs) Performance Standard:

1. At least once every three years, the general manager will report to the Board the measured water levels obtained from the monitoring wells within each Management Zone, the average measured draw down for each Management Zone calculated from the measured water levels of the monitoring wells within the Management Zone, a comparison of the average measured draw downs for each Management Zone with the DFCs for each Management Zone, and the District's progress in conforming with the DFCs.

2. At least once every three years, the general manager will report to the Board the total permitted production and the estimated total annual production for each aquifer and compare these amounts to the MAGs.

The District's staff and hydrologist covered this topic at the August 11, 2020 Board meeting in a comprehensive evaluation of monitoring results compared to the DFCs and management goals identified in the District's management plan, and the results indicated that, at that time, the District was in conformance with the DFCs adopted by the District in 2010 as part of the joint planning process.

The District staff reported results of evaluations of compliance with DFCs during 2020 at the August 11 Board Meeting.

The District will continue this process by developing additional methodologies to evaluate these items. The District's Staff will also continue ongoing reports to the Board during public Board Meetings covering all of these factors.

# FINANCES & DISTRICT AUDITS

#### **Financial Reports and Annual Financial Audit**

Financial reports are given at each meeting of the District's Board of Directors. A public hearing on District 2020 Budget and the 2020 Budget was adopted at the November 10 Board meeting.

The Annual Financial Audit of the District for Fiscal Year 2019 was presented to the Board at the April 2, 2020 Board Meeting and yielded a clean report. www.posgcd.org/posgcd-background/district-finances/

# MONITORING WELLS 20% Increase

#### ADDING MORE NEXT GENERATION MONITORING ACOUSTIC MEASUREMENT TECHNOLOGY





<u> 2016 - 1 1 0</u>

2018 **- 201** 

2019 - **241** 

2020 **- 292** 

2017 = 1

Well Monitoring is one of the most important tools Post Oak Savannah Groundwater Conservation District has to track the health of the aquifers. At the present time, the District has over 292 Monitor Wells across the two counties which include Rural Water Suppliers, landowner exempt wells, and wells the District has drilled for the sole purpose of monitoring.

Monitor wells give us a snapshot of the water levels in the aquifers. They also give us a tool for making better decisions on installation of new wells and the amounts of water available for pumping.

POSGCD Field Technician, Ralph Sifuentes and Craig Andrews, measured the monitor wells at least once a year. We take the date and water level he records and enter everything into our database. We are then able to use our hydrological models to make better decisions about managing these aquifers. The more monitoring wells we have help us better understand the Aquifers and how pumping impacts water levels in specific areas.

We continued adding the patented, next-generation, acoustic measurement technology, These include remote telemetry, and a cloud platform to collect accurate and reliable groundwater level measurements.

# Monitoring Wells



Wellnte



# **GROUNDWATER SUMMIT** 7th Annual Milam & Burleson Co Summit



# Due to Covid 19

For the last 6 years Central Texas residents gathered in Burleson County for the annual Groundwater Summit at the Caldwell Civic Center. Land owners enjoyed information and education on groundwater topics relevant to our local communities. In 2019, we had great attendance with over 275 people registered from Burleson, Milam, Brazos, Travis, Robertson, and Lee counties!

However, this year plans were put on hold due to the Covid 19 virus.

The Groundwater Summits are always a great opportunity for the District to contribute and connect with the public about groundwater conservation and the legacy of stewardship. We hope to see YOU at the Groundwater Summit next year!



An empty Civic Center this year instead of a Groundwater Summit due to Covid 19.



You can watch videos from the last two years Summits on our website. www.posgcd.org/ groundwater-summit/

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In 2020, POSGCD hosted 5 Cooperative Conservation Workshops in conjunction with Texas A&M AgriLife, serving 138 citizens. The virtual classes in 2020 consisted of Rainwater Harvesting, EarthKind, and Irrigation with Collected Rainwater. Utilizing the RWH Grants, there were 10 Rainwater Harvesting systems installed consisting of 15 cisterns with a total of 84,560 gallons of capacity.

### RAINWATER HARVESTING

In September of 2017, Post Oak Savannah Groundwater Conservation District (POSGCD) and Texas A&M AgriLife Extension Service (AgriLife) collaborated to offer a Water Conservation Program through the District. The program includes: a rainwater harvesting system, rainwater harvesting rebate program, drought-tolerant garden and irrigation demonstration sites, and series of educational workshops.

#### **15 CISTERNS INSTALLED**

62 TOTAL

The 13 installed systems consist of 23 total cisterns. Rainwater harvesting system has benefited the environment by reducing erosion around the office and by providing an outlet for heavy rains to be diverted into storage tanks then applied slowly through drip emit-



#### 650,929 GALLONS 1,309,252 TOTAL

The potential to collect 658,323 gallons\* of water per year. (\*based off collection surface and average rainfall). These systems will reduce erosion, divert and slow down flood water, promote groundwater recharge, and lessen the burden on groundwater and surface water.



33 TOTAL Through education workshops and the POSGCD rebate program, to date thirteen, rainwater harvesting systems have been constructed throughout the District.

**10 SYSTEMS INSTALLED in 2020** 

#### 4,560 TOTAL STORAGE 178,340 TOTAL



Gallons of storage. The rebate program is based on \$1/gallon of tank capacity up to \$3,000 per household. Despite the maximum of 3,000 gallon cistern or \$3,000 reimbursement, participants have installed an average about 4,000 gallon cisterns per system.

# FIRE DEPARTMENT REIMBURSEMENT GRANT



# Post Oak Savannah GCD Board of Directors continued its support of local Fire Departments and efforts in water conservation in the District by providing Grants of \$5,942.08 to Burleson County Fire Departments and Milam County Fire Departments.

Some of the items that VFD's can request reimbursement for are; foam to suppress fires instead of water. This fire fighting system is used to better combat both Class A (combustibles) and Class B (flammable liquids) fires. ProPaks to deliver the foam which is used to coat the fire in foam which deprives the fire of oxygen, thereby reducing heat. By suppressing combustion, the foam reduces the use of water by making the equivalent 15,000 gallons of water from only 250 gallons.

#### Additional benefits for using foam include:

• Reduction of water necessary to suppress fires, Reduction of man-hours and equipment needed, Reduction of number of trips needed to deliver suppressant, Reduced air pollution, Lessens firefighter risk of exposure to airborne carcinogens, Lowers amount of runoff & water pollution, and Less water damage to property

Post Oak Savannah Groundwater Conservation District is thankful for the service of our fire departments and proud to support safer, more environmentally friendly alternatives for fighting fires by these local heroes.





# **PUBLIC INTERFACE**

Post Oak Savannah GCD Public Interface section of the website continues to be a favorite because it brings field data to your desktop! This program provides real-time updates of groundwater data to increase transparency and collaboration between the district and landowners. Resources include the ability to view aquifer coverage, aquifer depths, and productivity of all monitored wells within the POSGCD jurisdiction on a standard Internet browser.

The web page is organized into three user-friendly components: Tutorials, Dashboard, and Public Maps.

- The Tutorials section is a collection of videos with step-bystep instructions for navigating the new interface and using these new tools.
- The Dashboard provides information about District registrations, permits, and production which is represented in both graphical and numerical forms. The "jewel" of this new interface is the Public Map



The Public Interface allows landowners to access aquifer depths and coverage in addition to monitored well locations.



This section provides a visual interpretation of district information through several interactive Geographic Information System (GIS) mapping tools. The "Virtual Boring Tool" allows landowners to access aquifer depths and coverage in addition to monitored well locations. No additional software downloads are necessary.

These innovative new tools increase accessibility with ever-improving accuracy to enable easier sharing of information between stakeholders. We encourage you to explore the tutorials and information available on our website. Feel free to contact the office with any questions. Happy browsing!

# AQUIFER CONSERVANCY PROGRAM

# **AQUIFER CONSERVANCY PROGRAM**

#### THE PURPOSE OF THE ACP.

- Empower landowners through stewardship
- Conserve groundwater for future generations
- Establish a legacy of conservation
- Compliment current sustainable practices

 Add a long-term tool to POSGCD toolbox of management strategies provided by state law.

#### WHY THE AQUIFER CONSERVANCY PROGRAM?

As Texas continues to grow, demands on groundwater resources increase. In response to these concerns, together with local landowners we have developed this proactive solution. (The legislative purpose of the District is to provide balance between production and

#### HOW DOES THE ACP HELP CONSERVE THE AQUIFERS?



Do I lose my property or water rights? No! Do I have to commit ALL my land? No! Can I still have my personal well? Yes! The program survives the current Board and management. This is a longterm commitment by citizens toward the sustainability of the aguifers and water for future generations.



#### In 2020 an additional 101 parcels were added for a total of 6476.12 acres for a grand total of over 44,000 acres and more than 600 parcels of land.

The inaugural year of the Post Oak Savannah Aquifer Conservancy Program (ACP) was a great success for the future of water conservation!

The ACP enrollment for the first year was over 37,000 acres with more than 500 parcels. Checks are being sent out as contracts are returned to the District Office.

The program was founded to support local landowner legacies through long-term, sustainable stewardship of groundwater resources. The Board of Directors hold landowner interests and concerns with high regard and have made several changes in response to local concerns. The Board implemented Flexible Commitment Options.

The following terms of commitment will receive the identified annual payment: (A) Five years- \$5/acre/year (B) Ten years- \$8/acre/year (C) Twenty years- \$10/acre/year.

The Directors and staff continued to work diligently to get the word out about this program.

The outreach and goodwill this program provided to the citizens of the District showing our concern for conservation and a great way to get citizens who had never visited our office to see our facility and meet the staff.



AQUIFER CONSERVANCY PROGRAM



# EDUCATION SCHOOLS

Post Oak Savannah GCD offers educational tools and presentations to 4<sup>th</sup> and 7<sup>th</sup> grade classrooms to schools in our District. The POSGCD Water Wizard Program covers the state required subject matter about how natural events and human activity impact groundwater and surface water in a watershed. Within the presentation, students get a chance to see a groundwater model in action, as well as learn about human effects through pumping and recharge. Students also learn about the importance of water conservation and different ways that we can all do our part to protect our groundwater resources.

#### 2020 a difficult year in Education.

With the Covid 19 pandemic, all the programs we had scheduled had to be postponed or cancelled. We found a new company to provide the Water Saving Kits to the schools. The Tinker company's solution is more customizable, more technology-driven, and provides incentives for both teachers and students to want to use the program materials. The contents of the kit can be adjusted based on what the students/ teachers' use for a specific area of the state. The total estimated savings estimated by switching to Tinker is about \$7,460.

### **Facebook & Twitter**

Our Facebook page received an average 22 views/day with 100% user retention.

Our Twitter account receives an average of 54 views per day with our 376 followers.

## EDUCATION PRESENTATIONS

SUMMIT

The annual Groundwater Summit has some of the best speakers in the state

#### LOCAL GROUPS

We offer programs for all ages that are available for local librarys or anywhere your group meets

OUTREACH

We offer classes at our facilities on Rainwater Harvesting, Landscaping, Irrigation Alternatives for the Rainfall Harvester



4th GRADE

We work with 4th grade

teachers in the District

assisting them with the

Texas state requirements 7th GRADE

We also work with the

to assist them

AgriLife

We work with the AgriLife Extension

Agents in Burleson

and Milam Counties

We are available to pres-

ent programs at local

SERVICE CLUBS

service clubs

local 7th grade teachers



())

Left is a photo of the kit students receive and above is just one of the shipments sent to schools in our District.

# WebSite

The Website is always a big part of our education for citizens and landowners. In 2020 we had a total of 27, 913 page views 10,578 sessions, consisting of 9,251 visitors. Our website enjoys and 76.3 average Daily page views with 25.3 average daily visitors.



# POSGCD GROUNDWATER CONSERVATION GRANTS

Post Oak Savannah Groundwater Conservation District has had Grant programs in the District since 2006, just 4 years after it was formed. The Board of Directors realized that one of the best ways to encourage people in the District was to help with the expense. The objective of this program is to obtain the active participation and cooperation of local water utilities in the funding and successful completion of programs and projects that will result in the conservation of groundwater in the District. The qualifying water conservation projects and programs will include, as appropriate, projects that result in the conservation of groundwater and reduce the loss or waste of groundwater. The first year, 2006, the District helped five different applicants, the city of Rockdale, city of Somerville, Milano WSC, Birch Creek WSC and Lyons WSC to remove and improve obsolete and deteriorating water lines for a total of \$459, 883.

Since that first year, the program has continued thru the present day, we have helped over 25 different local water utilities for a total of over \$14, 309,003.97. We estimate that we have saved over 173.55 Million gallons of water per year and growing.



### GROUNDWATER WELL ASSISTANCE PROGRAM (GWAP)

On January 9, 2018, the Board of Directors adopted the POSGCD Groundwater Well Assistance Program (GWAP). This program was created to assist well owners whose wells are projected to experience water level declines in their wells below the pump during normal operations as a result of groundwater production in GMA 12.

# In 2020 47 wells were investigated and 23 pumps were lowered. See table 6

#### WELL PLUGGING GRANT PROGRAM See Table 5

There is grant money available from Post Oak Savannah GCD that will pay 100% of the cost to plug a landowners abandoned well, up to \$2,500. An abandoned well is a direct conduit to the aquifer and could be a pollution source. Landowners are responsible for plugging them up, but Post Oak Savannah GCD can help with the cost.

# In 2020 POSGCD assisted landowners to plug 10 qualified wells for a total of \$ 13,475.30.

### Table 1 Non-Exempt Permits Issued During 2020 Calendar Year

Permit Permit Number	Permit Holder	Permit Amount By Acres	Well Primary Use
POS-5.5-0005	City of Thorndale	321.8406	Public Supply
POS-5.5-0006	Cooks Point Water Supply	10	Public Supply
POS-D&O-0266	Gerald Davenport	39.9999	Irrigation
POS-D&O-0267	Patrick Marek	124.9998	Irrigation
POS-D&O-0268	Vickie Novosad	103.9999	Irrigation
POS-D&O-0269	Cockrell & Gibbs Enterprises, Inc.	10	Irrigation
POS-D&O-0270	OGC Milam County Ranch, LLC	49.9999	Recreation
POS-D&O-0271	Craig Jentsch	15	Poultry
POS-D&O-0272	Kabb Land	149.9998	Irrigation
POS-D&O-0273	Jordan Brown Ely, Jr.	2	Livestock
POS-D&O-0274	BRL Ranches LP	30	Irrigation
POS-D&OM-0020a	LNP Farm LLC	35	Poultry
POS-D&OM-0020b	LNP Farm LLC	35	Poultry
POS-LP-0012	Somerville 60 DTP, LLC	1	Institution
POS-0&G-0248	Treadstone Energy Partners	107.4109	Frac
POS-0&G-0249	Treadstone Energy Partners	107.4109	Frac
POS-O&G-0250	Treadstone Energy Partners	153.4442	Frac
POS-0&G-0251	Treadstone Energy Partners	153.4442	Frac
POS-0&G-0254	Chesapeake Operating, LLC	199.9905	Frac
POS-0&G-0255	Chesapeake Operating, LLC	199.9905	Frac
POS-0&G-0256	Chesapeake Operating, LLC	199.9905	Frac
POS-0&G-0257	Chesapeake Operating, LLC	199.9905	Frac
POS-0&G-0258	Chesapeake Operating, LLC	199.9905	Frac
POS-0&G-0259	Chesapeake Operating, LLC	199.9905	Frac
POS-0&G-0260	Chesapeake Operating, LLC	199.9905	Frac
POS-O-0060	Tri-Lateral Ranch LLC	99.9999	Livestock
POS-O-0061	Casey Scott	0.0001	Irrigation
POS-O-0062	Steve Lewis	10	Livestock

### Table 2 Exempt Drilling Registrations Issued During 2020 Calendar Year

PO-011147		Owner First Name	Well Owner Company Name
	Ehlinger	Robert	
PO-011148	Schweikert	Chuck	Golden Daze Investments LLC
PO-011165	Sarreon	Shirley	
PO-011167	Gouldin	William	
PO-011168	Flores	Sebastian	
PO-011169			Chesapeake Operating, LLC
PO-011170	Billinger	Randall & Kristi	
PO-011218	Garcia	Evonne & Jubal	
PO-011219	Latham-Burdick	David	
PO-011220	Beran	Linda	
PO-011221	Denson	Mark	LBD Properties Ltd.
PO-011222	Garbs	Gregory	
PO-011223	Supak	Glenn	
PO-011224	Creighton	Thomas	
PO-011225	Cass	Соу	
PO-011226	Luce	Wilburn	
PO-011227	Rodriguez	Nubia	
PO-011228			Treadstone Energy Partners
PO-011230	Andrews	Jonathan	
PO-011231	Adams	Joshua	
PO-011232	Laster	William	
PO-011233	Shuffield	Colton	
PO-001794	McClaren	Bob	44 Farms
PO-011235	McClaren	Bob	44 Farms
PO-011234			Chesapeake Operating, LLC
PO-011239			Chesapeake Operating, LLC
PO-011240			Chesapeake Operating, LLC
PO-011238	Collins	Matthew	
PO-011241	Perkins	Robert	
PO-011242	Maass	Kermit Ray	
PO-011244	Mathews	Vincent	
PO-011245	Baldwin	Tammy	
PO-011246			Chesapeake Operating, LLC
DO 011217			Chesapeake Operating, LLC
PO-011247			
	Мауо	Eddie	
PO-011250	Mayo Grawunder	Eddie Lonnie	

# Table 2 Exempt Drilling Registrations Issued During 2020 Calendar Year Continued Page 2

PO-011254	Ruiz	Esmeralda	
PO-011255	Scroggins	Wanda	
PO-011256	-Sanchez	CMH Homes, Inc.	
PO-011257	Thomas	Laura	
PO-011258	Rodorte	Karla	
PO-011259	Cook	Jack	
PO-002659	Waldson	Jim & Mary L.	
PO-011260	Ubernosky	Melvin	
PO-011261	Schwake	Michelle	
PO-004459	Gibbons	Patrick	
PO-011262	Patton	Kimberly	
PO-011263	Christianson	Brian	
PO-011264	Vantroostenberghe	Anthony	
PO-011265	Nkwelle	Beatrice	
PO-011266	Sheeley	Verner	
PO-011267	Kovar	Jacob	
PO-011268	McClain	Kevin & Christina	
PO-011270	Cardenas	Fernando	
PO-011271	Spaulding	Andrew Lewis	
PO-011272	Evans	Danial William	
PO-011273	Cordon	Teresa	
PO-011274	Flisowski	Donny	
PO-011275	Soto	Rosabelia	
PO-011276	Guerrero	Alejandro	
PO-011277	Kovar	Jo Ann	
PO-011278	Garcia	Gerardo	
PO-011280	Wilson	Randy	
PO-011281	Garcia	Gerardo	
PO-011282	Pittman	Samuel	
PO-011283	Plocheck	Charles & Reecie	
PO-011284	Eckols	Thomas	
PO-011285	Steck	John	
PO-011287	Stover	Dempsey	
PO-011288	Zenner	Nancy	
PO-011289	Zenner	Nancy	Ĩ
PO-011290	Zenner	Nancy	
PO-011291	Zenner	Nancy	
PO-011292	Zenner	Nancy	

# Table 2 Exempt Drilling RegistrationsIssued During 2020 Calendar YearContinued Page 3

PO-011293	Kasper	Michael	
PO-011294	Zelaya	Rigoberto	
PO-011295	Sheeley	Verner	
PO-011296	Ponce	Geneva	
PO-011297	Payonk	Eric	
PO-011298	Cross	James	James T. Cross Family Trust
PO-011299	Davis	Shannon	
PO-011300	Wesneski	Steven	
PO-011301	Hiller	Les A.	
PO-011303	Wright, Jr.	Gurvis	
PO-011305	Ruesing	Mary Lou	
PO-011304	Schneider	Patricia	
PO-011306	Hester	Doc	Sweet Home Baptist Church
PO-011356	Roberts	Terral (Terry) &	
PO-011309	Lopez	Jessica	
PO-011315	Keagy	Charles	
PO-011314	Lowery	Ross	
PO-011313	Gilliam	George	
PO-011312	Aguirre	Amando	
PO-011311	Batterton	James	
PO-011310	Edwards	Rebecca	
PO-011307	Scheffel	Jason	
PO-011316	Winot	Micheal	
PO-011317	Kapavik	Ronald	
PO-011318	Wilkerson	Vernon	
PO-011322	Espinoza	Raul	
PO-011319	Griffith	James & Lillie	
PO-011321	Dubose	Christopher	
PO-011320	Lewis	Christopher	
PO-011323	Zinn	Vanessa	
PO-011324	Hooper	Andrew L.	
PO-011325	Moore	Stephanie	
PO-011326	Kavanaugh	Ross	
PO-011327	Carrizales	Bruce	
PO-011328	Landolt	John B.	
PO-005261	Anderson	Chuck	
PO-011329	Macune	Wiley Ray	
PO-011330	Perry	Jeffery	

# Table 2 Exempt Drilling Registrations Issued During 2020 Calendar Year Continued Page 4

			5
PO-011334	Martinez Munoz	Ricardo	
PO-011335	Torres	Patricia A.	
PO-011336	Burley	Aaron	
PO-011340	Land	Kabb	
PO-011337	Lahr	Darrin J.	
PO-011338	Locke	Steven K.	
PO-011342	Perry	Jeffery	
PO-011341	Scarmardo	Craig	
PO-011343	Robinson	Kevin R.	
PO-011344	Robinson	Kevin R.	
PO-011345	Story	James B.	
PO-011346	White	LaNae	
PO-011347			Hart Mountain Ranch
PO-011348			Hart Mountain Ranch
PO-011349	Myers	Paul	
PO-011350	Knesek	Grace	
PO-011351	Henry	John	
PO-011352	Rice	Don	Sara V. Rice Family Trust
PO-011353	Sowders	Virginia Rathjen	
PO-011358			Triple Z Homes, LLC
PO-011359			Triple Z Homes, LLC
PO-011357	Charanza	Sylvester	
PO-011361	Groce	Trent Jeffrey	
PO-011360	Courtney	Stephen	
PO-011362	Carlson, Jr.	Adrian	
PO-005993	Perry	Stephanie	
PO-011363	McDermott	Murray	
PO-011365	Carlson, Jr.	Adrian	
PO-011364	Shenkir	Delanie	
PO-011366	Wiggins	Aubra	
PO-011367	Groce	Chad	
PO-011369	Deal	Jerry	
PO-011368	Lazo	Kristin	
PO-011370	Stanford	Gena	
PO-011372	Cowan	Sandra	
PO-011373	Willard III	John William	
PO-001328	Hendrex	Todd	

# Table 2 Exempt Drilling Registrations Issued During 2020 Calendar

z exempt Dr	nung Registratio	nis issued During 2	
			Continued Page 5
PO-011376	Cilny	Kathy	
PO-011379	Escobar	Francisco	
PO-005817	Eichinger	Kenneth	
PO-011380	Kuty	Lee	
PO-011381	Larance	Caroyln	
PO-011382	Wilkins	Tom	
PO-011385	Sanchez	Kayleen	
PO-011384	Reid	Donald	
PO-011383			Chihal Family LLC
PO-003444			Boys & Girls Country of Houston
PO-011392	Scarmardo	Pete A.	
PO-011390	Ausley	Terry	
PO-011391	Ausley	Terry	
PO-004976	Ofczarzak	Ernest and Kerri	
PO-011396	Tribout	Shae & Mark	
PO-011395	Shumate	David & Vanessa	
PO-011397	Cadan	Craig	
PO-011398	Mittelstaedt	Judy Kubena	
PO-011399	Minatrea	John Daniel	
PO-011400	Mangu	Whitney Ndangu	
PO-011403	Stanley	Elvin & Tamara	
PO-005767	Eichinger	Matt	
PO-011405	Smith	Stephen	
PO-011404	Luprete, Jr.	Joseph	
PO-011406	Gary	Tom	
PO-011407	Marty	Kent	
PO-011408	Brechbuhler	Kenton	
PO-011410	Rosene	Matthew	
PO-011411	Stanley	Tamara	
PO-011413	Marciano	Christopher	
PO-001342	Moore	Darryl	
PO-011414	Wenske	Charles	
PO-011418	Dusek	Sherry	
PO-011417	Colburn	Jon	
PO-011416	Bonorden	Gay	
PO-011419	Olson	Scott	

Well District Id	Well Owner First Name	Well Owner Last Name	Well Dept h	Well Aquifer	Well Monitored
PO-000020	Clifford	Garner	540	Simsboro	Yes
PO-000025			391	Simsboro	Yes
PO-000026	Mary Jane Boyd / Timothy	Boyd	410	Hooper	Yes
PO-000053	Richard	Frock		Simsboro	Yes
PO-000059	Harold	Lange	323	Calvert Bluff	Yes
PO-000073	Willard	Kornegay	440	Calvert Bluff	Yes
PO-000077	Charles	Норре	522	Carrizo	Yes
PO-000084	James	Ayers		Queen City	Yes
PO-000099	Larry N.	Sexton		Calvert Bluff	Yes
PO-000107	Noack Family Partnership, Ltd.		860	Simsboro	Yes
PO-000115	L.B.	Kubiak	152	Simsboro	Yes
PO-000118	Jim	Key	326	Simsboro	Yes
PO-000121	City of Rockdale		380	Hooper	Yes
PO-000138	City of Rockdale		408	Simsboro	Yes
PO-000170	Rockdale ISD		243	Hooper	Yes
PO-000186	Minerva Water Supply Corp.		218	Hooper	Yes
PO-000221	Marlow WSC		580	Hooper	Yes
PO-000223	North Milam WSC		315	Hooper	Yes
PO-000234	Wendy	Breck	417	Simsboro	Yes
PO-000236	Joe	Castillo	450	Simsboro	Yes
PO-000256	North Milam WSC		318	Calvert Bluff	Yes
PO-000268	Wayne	Diver	60	Simsboro	Yes
PO-000308	R. B.	Wilkens	400	Queen City	Yes
PO-000341	Gerald	Steck	600	Queen City	Yes
PO-000433	Milano WSC		920	Carrizo	Yes
PO-000457	Milano WSC		1966	Simsboro	Yes
PO-000475	George	Sears	887	Carrizo	Yes
PO-000495	Cade Lakes WSC		1197	Calvert Bluff	Yes
PO-000518	Michael & Shelley	Doyle	205	Queen City	Yes
PO-000579	Camilla J.	Godfrey	240	Yegua - Jackson	Yes
PO-000596	Finley Company		58	Brazos River Alluvium	Yes
PO-000618	Randy	Rychlik	266	Yegua - Jackson	Yes
PO-000638	Snook well #1		1600	Sparta	Yes
PO-000661			1609	Sparta	Yes
PO-000691	Clay Water Supply Corporation		513	Yegua - Jackson	Yes
PO-000698	Birch Creek Rec. Inc.		533	Yegua - Jackson	Yes
PO-000787	Kent	Schwartz		Brazos River	Yes

Table 4 District Monitoring Wells Measured

	istrict Monitoring Wells		Cor	ntinued Page 2	2
PO-000791	Juanita	Amidon		Sparta	Yes
PO-000859	Marion J.	Malazzo	60	Brazos River Alluvium	Yes
PO-000860	Marion J.	Malazzo	60	Brazos River Alluvium	Yes
PO-000877	Tunis Water Supply		780	Sparta	Yes
PO-000894			58	Brazos River Alluvium	Yes
PO-000895	Dennis	Englemann	498	Sparta	Yes
PO-000943	Nathan	Ausley	840	Carrizo	Yes
PO-001023	Texas A & M University		1090	Sparta	Yes
PO-001061	Deanville Water Supply Corporation		810	Queen City	Yes
PO-001062	Milano WSC		790	Simsboro	Yes
PO-001063	Milano WSC		800	Calvert Bluff	Yes
PO-001064	Milano WSC		1687	Simsboro	Yes
PO-001066	Milano WSC		813	Carrizo	Yes
PO-001082	Gause Water Supply Corporation		992	Simsboro	Yes
PO-001110	Southwest Milam Water Supply Corp.		485	Hooper	Yes
PO-001111	Southwest Milam Water Supply Corp.		1000	Simsboro	Yes
PO-001112	Southwest Milam Water Supply Corp.		598	Calvert Bluff	Yes
PO-001117	City of Rockdale		475	Simsboro	Yes
PO-001118	City of Rockdale		463	Simsboro	Yes
PO-001120	Cooks Point Water Supply			Carrizo	Yes
PO-001166	Holland	Porter	71	Brazos River Alluvium	Yes
PO-001197	Nathan C.	Ausley	370	Queen City	Yes
PO-001327	Leroy	Schaefer	500	Carrizo	Yes
PO-001328	Todd	Hendrex	467	Carrizo	Yes
PO-001342	Darryl	Moore		Carrizo	Yes
PO-001343	Michael	Conner	455	Calvert Bluff	Yes
PO-001390	Charles	Stone		Calvert Bluff	Yes
PO-001450	Alcoa Inc./Lee Young		271	Simsboro	Yes
PO-001486	J.T.	Talley	182	Simsboro	Yes
PO-001505	V.C.	Ansley	120	Simsboro	Yes
PO-001573	Deanville Water Supply Corporation		784	Queen City	Yes
PO-001575	Deanville Water Supply Corporation		1300	Carrizo	Yes

## Table 4 District Monitoring Wells Measured Continued Page 3

PO-001628	James & Lillie	Griffith	446	Calvert Bluff	Yes
PO-001786	Steve & Shana	Weaver	436	Calvert Bluff	Yes
PO-001789	Terry and Sheryl	Hall	515	Calvert Bluff	Yes
PO-001883	Martin	Hobbs	180	Simsboro	Yes
PO-001947	Alan	Gardenhire	390	Hooper	Yes
PO-001983	Kent	Givens	490	Hooper	Yes
PO-002014	Jordan Estate		182	Simsboro	Yes
PO-002061	Odell	Washington	360	Hooper	Yes
PO-002152	Glynn	Phillips	480	Calvert Bluff	Yes
PO-002153	Mickey	Exner	690	Calvert Bluff	Yes
PO-002173	Leon	Noack	420	Calvert Bluff	Yes
PO-002191	L.B.	Kubiak	520	Hooper	Yes
PO-002204	Robert & Natalie	Sibole	750	Hooper	Yes
PO-002205	Jim	Eanes	130	Simsboro	Yes
PO-002217	Gene	Rek	938	Hooper	Yes
PO-002355	Linda Kay	McBride	514	Calvert Bluff	Yes
PO-002423	Gary and Deryl	Emola	240	Simsboro	Yes
PO-002537	Victor	Svetlik	510	Hooper	Yes
PO-002538	Janet	Staub/	188	Simsboro	Yes
PO-002556	Victor	Svetlik	431	Hooper	Yes
PO-002659	Jim & Mary L.	Waldson	470	Calvert Bluff	Yes
PO-003129	Brady	McManus	650	Sparta	Yes
PO-003430	Kenneth	Key	360	Carrizo	Yes
PO-003440	Linda	Garrison	312	Carrizo	Yes
PO-003444	Boys & Girls Country of Houston INC		492	Carrizo	Yes
PO-004459	Patrick	Gibbons	400	Carrizo	Yes
PO-004968	Kenneth D.	Goetsch	160	Queen City	Yes
PO-004976	Ernest and Kerri	Ofczarzak	1057	Carrizo	Yes
PO-005109	New Tabor Brethren Church		1235	Carrizo	Yes
PO-005228	Sandra	Morton	295	Carrizo	Yes
PO-005261	Chuck	Anderson	354	Queen City	Yes
PO-005486	Daniel L.	Alford	199	Queen City	Yes
PO-005767	Matt	Eichinger	500	Carrizo	Yes
PO-005817	Kenneth	Eichinger	486	Carrizo	Yes
PO-005899	Amy Hinnant	Jurica	300	Sparta	Yes
PO-006090	Kenton D.	Lilie	620	Queen City	Yes
PO-006145	Alvin J.	Kutach	770	Queen City	Yes
PO-006153	Andrea B.	Taylor	620	Queen City	Yes
PO-006243	Birdie	Kristoff	614	Calvert Bluff	Yes
PO-006305	Brenda	McDaniel	344	Calvert Bluff	Yes
PO-006330	Robert & Sharon	Lefler	410	Calvert Bluff	Yes
PO-006405	Norman	Feil	780	Carrizo	Yes

### Table 4 District Monitoring Wells MeasuredContinued Page 4

PO-006483	Duane Alan	Suehs		Sparta	Yes
PO-006551	Ernest and Kerri	Ofczarzak	1057	Carrizo	Yes
PO-006560	Paul	Levering	210	Queen City	Yes
PO-006586	Francis Joseph	Landry	260	Queen City	Yes
PO-006621	Frederick A.	Jackson	2020	Simsboro	Yes
PO-006815	James Garland	Jaecks	563	Carrizo	Yes
PO-006910	Charles	Stone	2200	Simsboro	Yes
PO-007085	Tracy	Dixon	520	Calvert Bluff	Yes
PO-007117	Leroy	Stephens	412	Hooper	Yes
PO-007183	Mark & Janice	Ofczarzak	570	Queen City	Yes
PO-007197	Mary Lanell	Luksa	780	Queen City	Yes
PO-007242	Dominick A. & Mary M.	DeFlorio	562	Calvert Bluff	Yes
PO-007283	Alex & Patricia	Sundstrom	235	Hooper	Yes
PO-007285	Paul A.	Jenkins	460	Carrizo	Yes
PO-007363	Richard E.	Crump	174	Simsboro	Yes
PO-007364	Richard H.	Griffith	180	Hooper	Yes
PO-007390	Robert Glenn	Cochran	420	Sparta	Yes
PO-007506	Southwest Milam Water Supply Corp.		392	Hooper	Yes
PO-007585	Thomas A.	Tietjen	533	Sparta	Yes
PO-007586	Thomas A.	Tietjen	415	Sparta	Yes
PO-007587	Thomas A.	Tietjen	550	Sparta	Yes
PO-007601	Thomas L.	Calvin	895	Sparta	Yes
PO-007603	Thomas L.	Calvin	553	Yegua - Jackson	Yes
PO-007614	Robert & Sharon	Lefler	460	Calvert Bluff	Yes
PO-007773	Fred C and Mary Ann	Russell	430	Calvert Bluff	Yes
PO-007774	Jay	Wise	560	Simsboro	Yes
PO-007838	Durwood	Tucker	194	Hooper	Yes
PO-007965	John	Oliver	1260	Queen City	Yes
PO-007998	Walter D.	Fischer	460	Calvert Bluff	Yes
PO-008037	Lee R.	Walters	430	Calvert Bluff	Yes
PO-008038	Antone R.	Schrader	145	Yegua - Jackson	Yes
PO-008053	William	Seidel	460	Carrizo	Yes
PO-008054	Mary E.	McKisson	520	Carrizo	Yes
PO-008073	Allen	Holth	1001	Carrizo	Yes
PO-008095	Jimmy W.	Voyles	433	Calvert Bluff	Yes
PO-008096	Melvin	Hirt	547	Hooper	Yes
PO-008147	Elizabeth	Nowlin	460	Carrizo	Yes
PO-008149	Ralph	Dizzine	770	Calvert Bluff	Yes
PO-008151	Kerry L	Wiggins	385	Calvert Bluff	Yes
PO-008153	Jack C.	Marino,	454	Calvert Bluff	Yes

	rsulet Monitoring Wens I		ontinu	eu ruge s	
PO-008213	Wayne	Edwards	440	Yegua - Jackson	Yes
PO-008219	Johnny Loyd	Price	960	No Assignment	Yes
PO-008239	Providence Baptist Church			Sparta	Yes
PO-008245	Rebecca D.	Ferrara	397	Calvert Bluff	Yes
PO-008274	Dominic	Izzo	445	Hooper	Yes
PO-008276	Jim & Mary L.	Waldson	450	Calvert Bluff	Yes
PO-008281	Rebecca D.	Ferrara	420	Calvert Bluff	Yes
PO-008322	Eduardo and Maureen	Ramirez	640	Carrizo	Yes
PO-008326	Edward	Lewis	980	Carrizo	Yes
PO-008388	Wayne	Edwards	3988	Simsboro	Yes
PO-008415	Porter FLP		59	Brazos River Alluvium	Yes
PO-008420	Somerville ISD		197	Yegua - Jackson	Yes
PO-008449	Burleson County MUD No.1		362	Yegua - Jackson	Yes
PO-008451	Ralph & Dorothy	Eubank	690	Calvert Bluff	Yes
PO-008456	Tunis WSC		1038	Sparta	Yes
PO-008658	David	Smith	528	Simsboro	Yes
PO-008668	Robert C.	Lewis	722	Reklaw	Yes
PO-008678	Burleson County MUD No.1		367	Yegua - Jackson	Yes
PO-008680	Burleson County MUD No.1			Yegua - Jackson	Yes
PO-008767	Terry	Ausley	10000000	Simsboro	Yes
PO-008772	Douglas R. and Michelle D.	Van Meter		Hooper	Yes
PO-008794	Allen & Lauren	Watson	760	Carrizo	Yes
PO-008795	Douglas R. and Michelle D.	Van Meter	279	Hooper	Yes
PO-008802	Brian G.	Rok	700	Queen City	Yes
PO-008805	Patricia A.	Lynch	863	Carrizo	Yes
PO-008823	Presley & Margaret	Yarbrough	570	Calvert Bluff	Yes
PO-008826	John	Russell	860	Carrizo	Yes
PO-008840	Kenneth & Carla	Rhodes	420	Calvert Bluff	Yes
PO-008845	Larry G.	Hein	700	Queen City	Yes
PO-008865	Billy D.	Ogea	160	Hooper	Yes
PO-008907	Robert Glenn	Cochran	900	Queen City	Yes
PO-008913	Lockhart Family Holdings LLC		709	Carrizo	Yes
PO-008923	John	Russell	780	Carrizo	Yes
PO-008935	Donald R.	Schuerman	80	Hooper	Yes
PO-008945	Norman	Koch	465	Calvert Bluff	Yes
PO-008959	John	Pruett	810	Calvert Bluff	Yes
PO-008964	Linda	Brown	500	Carrizo	Yes
PO-008971	Paul A.	Jenkins	840	Calvert Bluff	Yes
PO-009064	Royalty Pecan Farms		3096	Simsboro	Yes
PO-009067	Daniel	Tucker	970	Carrizo	Yes
PO-009094	Douglas R. and Michelle D.	Van Meter		Hooper	Yes

## Table 4 District Monitoring Wells Measured Continued Page 5

	Ð	0	intinue	u i uge o	
PO-009597	Marie (Cain)	Richards	134	Simsboro	Yes
PO-009601	Paul	Lancaster	544	Simsboro	Yes
PO-009604	Ronald	Coleman	680	Calvert Bluff	Yes
PO-009606	Sharon (Sorenson)	Roelse	255	Simsboro	Yes
PO-009651	Somerville ISD		770	Yegua - Jackson	Yes
PO-009706	City of Rockdale		420	Simsboro	Yes
PO-009707	Royalty Pecan Farms		870	Queen City	Yes
PO-009708	Central Texas Regional Water Supply Corporation		504	Queen City	Yes
PO-009709	Central Texas Regional Water Supply Corporation			Queen City	Yes
PO-009710	Central Texas Regional Water Supply Corporation			Queen City	Yes
PO-009716	Randy	Clanton		Calvert Bluff	Yes
PO-009745	Martha	Bocanegra		Simsboro	Yes
PO-009747			499	Simsboro	Yes
PO-009748	Sandow Power LLC		300	Simsboro	Yes
PO-009749	Brian A.	Turner	454	Simsboro	Yes
PO-009751	David and Glenda	Cork	620	Calvert Bluff	Yes
PO-009752	Nancy	Soechting	435	Calvert Bluff	Yes
PO-009753	Kenneth	Biehle	185	Simsboro	Yes
PO-009754	Weldon & Maurita L.	Smith	123	Calvert Bluff	Yes
PO-009755	Jerry	Caywood	113	Simsboro	Yes
PO-009767	Frank	Lopez	688	Calvert Bluff	Yes
PO-009768	Rick	Henry	314	Simsboro	Yes
PO-009769	Emory	Crump	734	Calvert Bluff	Yes
PO-009770	Carolyn Kay	Hortenstine	138	Simsboro	Yes
PO-009774	Darren K.	Broesche	347	Queen City	Yes
PO-009781	Harlin Chapel Baptist Church		140	Hooper	Yes
PO-009806	Douglas R. and Michelle D.	Van Meter	108	Hooper	Yes
PO-009807	Terry	Ausley	875	Carrizo	Yes
PO-009808	Clinton and Lyndi	Sanders	151.6	Hooper	Yes
PO-009812	Dock	Hester	260	Yegua - Jackson	Yes
PO-009824	Dominic	Izzo	460	Simsboro	Yes
PO-010881	Richard & Joan D.	Ramsey	228	Yegua - Jackson	Yes
PO-010899	L. C.	Hall, Sr	230	Queen City	Yes
PO-010921	Dennis L	Havemann	400	Yegua - Jackson	Yes
PO-010924	Bill	O'Brien		Yegua - Jackson	Yes
PO-010937	Tim	Arledge		Carrizo	Yes
PO-010952	David	Haley	500	Carrizo	Yes
PO-010967	William	Newton	560	Carrizo	Yes
PO-010970	J.W.	Zalmanek	990	Carrizo	Yes
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### Table 4 District Monitoring Wells Measured Continued Page 6

PO-010971	Central Texas Regional Water Supply Corporation		461	Queen City	Yes
PO-010979	Darrell	Perrard	446		Yes
PO-011022	Richard Hager 570 Yegua - Jackson				Yes
PO-011032	1744 Simsboro				Yes
PO-011118	James	Rinker	2742	Hooper	Yes
PO-011143	Donald	Travis	165	Simsboro	Yes
PO-011234	Chesapeake Operating, LLC			Sparta	Yes
PO-011279	Chesapeake Operating, LLC		1244	Carrizo	Yes
PO-011283	Charles & Reecie	Plocheck	440	Hooper	Yes
PO-011306	Sweet Home Baptist Church	Hester		Yegua - Jackson	Yes
PO-011356	Terral (Terry) & Shawn	Roberts	415	Hooper	Yes
PO-011370	Gena	Stanford			Yes
PO-011373	John William	Willard III			Yes
PO-011380	Lee	Kuty	520	Carrizo	Yes
PO-011384	Donald	Reid		Carrizo	Yes
PO-011385	Kayleen	Sanchez		Carrizo	Yes
PO-011409	Noack Family Partnership, Ltd.		1966	Simsboro	Yes
PO-011423	Sandra	Morton	1200	Calvert Bluff	Yes

### Table 4 District Monitoring Wells Measured Continued Page 7

#### Table 5Summary Report of POSGCD Grants Awarded 2020

	Marlow WSC	Replace obsolete	e water lines		\$75,341.00
	City of Rockdale	Replace obsolete	e water lines		\$200,000.00
20	Milano <u>WSC</u>	Replace obsolete	e water lines and meters		\$64,500.00
20	Clara Hills <u>C.A</u> .	Replace obsolete	e water lines and meters		\$213,575.00
	Burleson Co MUD #1	Replace obsolete	e water lines		\$315,870.00
	Southwest Milam WSC	Replace obsolete	e water lines		\$130,714.00
				Total:	\$1,000,00.00

#### Table 6 Summary Report of POSGCD GWAP SUMMARY 2020

Na Last	me First	Well	Qualify for GWAP	Pump Lowered	Pump Lowered with GWAP	Comment	
Sears	George	Yes	No	Yes	Yes	Leased   Paid for by GWAP	
Ausley	Nathan	Yes	No	Yes	No	DNQ due to lease   Pump lowered by Loehr at request of landowner	
Schaefer	Kenneth	Yes	Yes	Yes	Yes	Pump lowered by landowner before hearing about GWAP   Will need further lowerin	
Hendrex	Todd	Yes	Yes	Yes	Yes	Lowered by Loehr	
Moore	Darryl	Yes	No	Yes	Yes	Leased   Pump lowered by Brien Water Wells paid by GWAP	
Garrison	Linda	Yes	No	Yes	Yes	Leased   Pump lowered by Iselt paid by GWAP	
	Boys & Girls	Yes	Yes	Yes	No	Pump lowered by landowner before hearing about GWAP   Will need further lowering	
Gibbons	Patrick	Yes	Yes	No	No		
Ofczarzak	Kerri	Yes	Yes	Yes	Yes	Pump lowered by landowner before hearing about GWAP   Will need further lowering	
Morton Sache	Sandra	Yes	Yes	Yes	Yes	Lowered by Loehr	
Eichinger	Matt	Yes	Yes	No	No		
Eichinger	Kenneth	Yes	Yes	No	No		
Feil	Norman	Yes	Yes	Yes	Yes	Lowered by Loehr	
Ofczarzak	Kerri	Yes	Yes	No	No	Lowered by Loenn	
Jaecks	Garland	Yes	No	Yes	Yes	Leased   Pump lowered by Loehr paid for by GWAP	
Seidel	Bill	Yes	Yes	Yes	Yes	Lowered by Loehr	
McKisson	Mary	Yes	Yes	Yes	Yes	Lowered by Loehr	
Holth	Allen	Yes	Yes	No	No	Lowered by Loenn	
Samford	Matt	Yes	Yes	No	No		
Price	Johnny	Yes	No	No	No	Leased	
Ramirez	Eduardo	Yes	No	No	No	Leased	
Lewis	Edward	Yes	Yes	Yes	Yes	Lowered by Loehr	
Bohne	Chad	No	No	No	No	Lowered by Loen	
Watson	Allen	Yes	Yes	Yes	Yes	Lowered by Brien Water Wells	
Lynch	Patricia	Yes	Yes	No	No	Lowered by brief mater metts	
Russell	John	Yes	No	No	No	Leased	
Lockhart	Family Holdi	A 1.57.774	Yes	No	No	Leased	
Russell	John	Yes	Yes	Yes	Yes	Lowered by Brien Water Wells	
Brown	Dean	Yes	No	Yes	Yes	Leased   Pump lowered by Siegert paid by GWAP	
Tucker	Dan	Yes	Yes	No	No	Leased   Fullip towered by Slegert paid by OttAF	
Balch	Diana	No	Yes	Yes	Yes	Lowered by Loehr	
Peoples	James	Yes	No	Yes	Yes	Leased   Lowered by Iselt paid for by GWAP	
Farguhar	Diane	No	No	No	No	Leased   Lowered by iserc paid for by GWAP	
Alford	Lee	Yes	Yes	No	No		
Putz	Howard	Yes	Yes	Yes	Yes	Lowered by Loehr	
Chihal	Janie	Yes	Yes	Yes	Yes	Lowered by Loenn Lowered by Brien Water Wells	
Behler	Bill	No	Yes	No	No	Can not get water level measurement at this time due to no access to inside of casing	
Haley	David	Yes	Yes	Yes	Yes	Lowered by Loehr	
Newton	Bill	Yes	Yes	No	No	Lowered by Loeni	
Perrard	Darrell	Yes	Yes	No	No		
Stanford	Gena	Yes	Yes	Yes	Yes	Lowered by Iselt	
Willard	BJ	Yes	Yes	Yes	Yes	Lowered by Iselt	
	1.00		Yes	No	No	Lowered by Loenin	
Kuty	Stanley	Yes	10.852	1003	1		
Willard	Steven	Yes	Yes	No	No	Recommended to Drill new Well	
Chihal	Janie	Yes	Yes	No	No	Pump stuck above water level   Owner decision to share cost of drilling new well	
Reid	Martha	Yes	Yes	No	No		
Sanchez	Ricky	Yes	Yes	Yes	Yes	Lowered by Loehr	

# Table 7 Fines

Enforcement actions during 2020 resulted in 4 fines levied by administrative actions for violations of the District's Rules for a total of \$5750. For additional information please contact the District offices.

310 East Ave C Milano, TX 76556 512-455-9900 admin@posgcd.org

www.POSGCD.org



