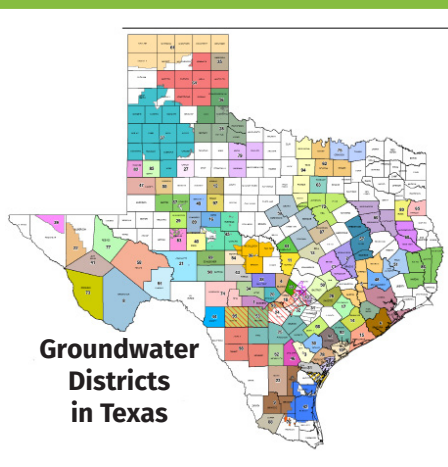
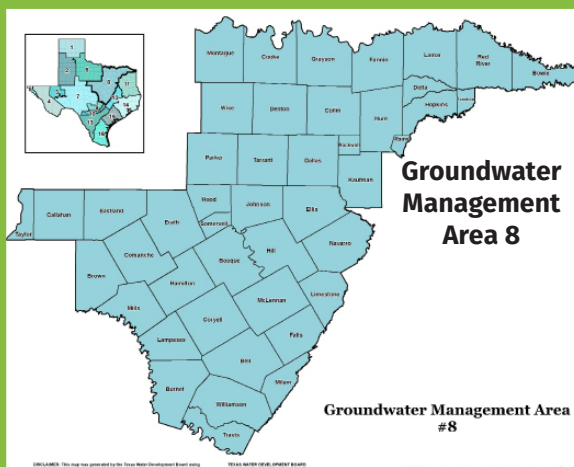


# 2021

## ANNUAL REPORT

### Post Oak Savannah Groundwater Conservation District



**POSGCD**  
[www.POSGCD.org](http://www.POSGCD.org)

# 2021

## ANNUAL REPORT

### CONTENT

<b>3</b>	<b>DISTRICT INFORMATION</b>
<b>4</b>	<b>BOARD OF DIRECTORS</b>
<b>5</b>	<b>STAFF / COMMITTEE ASSIGNMENTS</b>
<b>6</b>	<b>BOARD PRESIDENT'S LETTER</b>
<b>8</b>	<b>MEETINGS</b>
<b>10</b>	<b>DISTRICT NEWS</b>
<b>16</b>	<b>REQUIREMENTS OF DISTRICT MANAGEMENT</b>
<b>30</b>	<b>MONITORING WELLS</b>
<b>32</b>	<b>GROUNDWATER SUMMIT</b>
<b>33</b>	<b>RAINWATER HARVEST GRANTS</b>
<b>34</b>	<b>FIRE DEPARTMENT REIMBURSEMENT GRANT</b>
<b>35</b>	<b>PUBLIC INTERFACE</b>
<b>36</b>	<b>AQUIFER CONSERVANCY PROGRAM</b>
<b>37</b>	<b>EDUCATION</b>
<b>38</b>	<b>POSGCD GROUNDWATER CONSERVATION GRANTS</b>
<b>39</b>	<b>TABLES</b>
<b>51</b>	<b>FINES</b>

#### 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](http://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 2021. Additional information such as the agenda and location may be obtained from the District's website at [www.posgcd.org](http://www.posgcd.org).



## CREATION

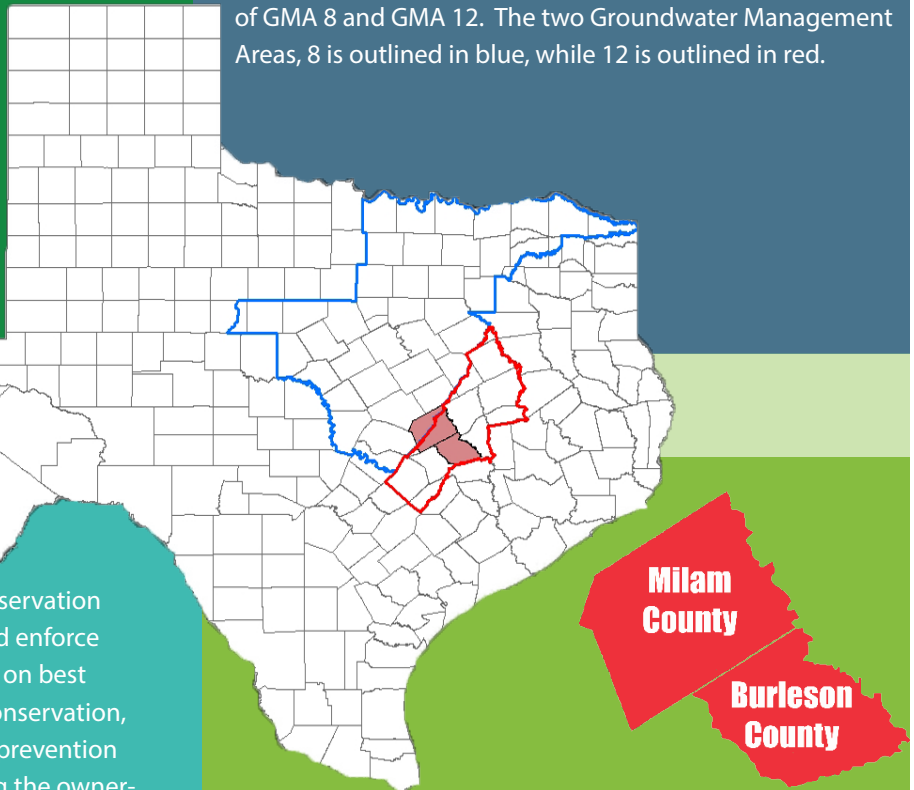
The POSGCD was created in Milam and Burleson counties by HB 1784, 77th Legislature in 2001, and a local confirmation election in November 2002. The purpose of this bill is to provide a locally controlled groundwater district to conserve and preserve groundwater, protect groundwater users, protect and 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.

## 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 it's 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.

## MISSION

The Post Oak Savannah Groundwater Conservation District's (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.



## District Office and Contact Information

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

[www.POSGCD.org](http://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.



**Steven Wise**  
**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. He is a landowner/well owner in the shallower part of the Simsboro aquifer. He is dedicated to the equitable treatment of all property owners.



**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 calf 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 our land on to future generations in as good a condition as he received from his parents.



**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.



**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.



**Dana McClaren**  
**Director**  
Milam Co Agriculture

Dana L. McClaren graduated from the University of North Texas with a B.B.A. in Marketing and Texas Tech University School of Law where she became a member of the Order of Barristers in 1984. She was a partner in the Dallas law firm of Cowles and Thompson. She was a founding partner of the Cowles and Thompson satellite 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 attends Marlow Baptist Church.



**Ward Roddam**  
**Director**  
Milam Co Municipal

Ward Roddam has lived in Milam County most of his life. He and his wife of 32 years, Kathryn 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. 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.



**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.



**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 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 Country Club Estates.



**Ed Savage**  
**Director**  
Burleson Co Rural Water

Ed Savage is a resident of Burleson County and attended Texas A&M. 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 job, 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, 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 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 as a Hydrologist.



**Elaine Gerren**  
Office Manager

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



**Craig Andrews**  
Field Technician

Craig Andrews, 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 working at Post Oak Savannah GCD at the start of 2021.



**Doug Box**  
Education Coordinator

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

## Committee Assignments

### 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  
Becky Goetsch



**Jeff Fisher**  
Field Technician

Jeff Fisher has joined POSGCD as our newest Field Tech joining Craig Andrews and Bobby Bazan, our Water Resources Management Specialist as a part of our monitoring team. Jeff is Rockdale native who attended Rockdale High School. Jeff graduated Temple Junior College with an associate's degree in Criminal Justice. He also studied Aviation Science and received his Pilot Ratings in 1991. He completed his BS Degree in Criminal Justice/Police Science with a minor in Psychology at Sam Houston State University.



**Courtney Gentry**  
Administrative Assistant

Mrs. Gentry is a Rockdale native and resides there with her husband J. D. Courtney is the daughter of Jeff and Monique Gebhart of Rockdale. Courtney attended Austin Community College and earned a Phlebotomy Certification. Courtney has a work history of customer service and understanding the requirements of regulation as her previous jobs included working at the Blood and Tissue Center in Austin and the Gulf Coast Regional Blood Center in Bryan/College Station, as well as Fresenius Dialysis in Bryan, TX as a Patient Care Technician where she worked directly with patients.



# LETTER FROM THE BOARD PRESIDENT

**SIDNEY YOUNGBLOOD**

Dear Friends of Post Oak Savannah Groundwater Conservation District,  
As we close out a challenging but successful 2021, I sincerely pray this finds each of you and your families well. Our Board and Staff continue to make great strides in our efforts to fulfill our mission statement to serve the citizens of Milam and Burleson Counties. There has never been a time when the participation and support of our constituents in these two counties has been more important to our success. As we review the District's accomplishments in 2021, we recognize the support from the citizens of our District. On behalf of the Board and Staff of POSGCD I encourage you, our friends and neighbors, to be even more involved in the future successes in the management of groundwater resources of the District.

The leadership and staff of the District continue to grow in experience and commitment as the commissioners courts of both Milam and Burleson Counties have reappointed all six Directors whose terms had expired as of December 31, 2021. To remain diligent in meeting all newly identified needs, our staff grew by two full time positions in 2021. Mr. Jeff Fisher joined Mr. Craig Andrews as the District's Field Technicians as we continue to expand the District's Well Monitoring Network and establish high standards for performance. Mrs. Courtney Gentry joins our staff as Administration Assistant, while Mrs. Elaine Gerren becomes full time Office Manager. This expansion was necessitated by the ever increasing number of programs offered by the District for the benefit of the citizens of our District.

As we continue to look forward and be pro-active in identifying strategies to deal with future challenges, the Board has developed a new tool called the Management Strategies Report. This report is updated regularly by the Board's committees with the assistance of staff and consultants and is designed to identify challenges to the District's current management strategies as well as ways to meet and overcome those challenges. Due to evaluations such as these, we realize our current expansion of staff is only the beginning of possible growth in the near future 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.

Our District staff has risen to the challenge of offering a high quality virtual presence and level of participation to our constituents who wish to become involved with us at any of our public meetings. We value the continued input and interaction of our citizens in all facets of District business. We commit ourselves and resources to continue to increase the current level of quality communication with the public. We continue to work to find new ways to be inclusive and respectful of those who desire to participate even if they are only comfortable using a virtual platform.

Among new accomplishments through dedication of our qualified staff with the support of the Board of Directors 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 2021, District staff rendered assistance in restoring water service in 65 situations, with funds from the GWAP funding 100% of the work for a total of \$233,954, as well as \$71,297 spent on science and studies for this year's projects. 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.

The District's Aquifer Conservancy Program continues to be innovative and popular, drawing praise from many, not only in our District, but state-wide. 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 630 parcels of property, including over 47,000 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

- 371 monitor wells, increased from 292, covering 8 aquifers in the District
- 31 monitor wells equipped with transducers to record continuous hourly measurements
- 27 monitor wells equipped with acoustic devices providing real time reporting
- 13 monitor wells, increased from 8, from converted abandoned oil and gas wells in strategic areas
- 8 monitor wells have been drilled by the District in strategically located places
- All water level monitoring information is available to the public through access of the District's website
- Identification of areas of interest for future monitoring well locations

### Groundwater Conservation Grants

- \$1,002,066 was awarded through 7 grants during 2021 to public water utilities in both counties, bringing the total since 2006 to \$15,311,070 has been awarded for conservation
- \$5,404 awarded to plug abandoned water wells
- 16 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 students 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 school students on water issues across the state

The website remains a big part of our outreach to citizens and landowners. In 2021 our website enjoyed a total of 30,000 page views during 12,000+ sessions from 6,000+ visitors. This yields an average daily page view count of 69.7, with an average of 24 visitors per day.

The POSGCD Facebook and Twitter account remains active throughout the year.

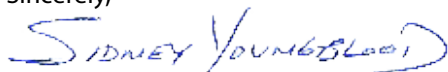
Our Board and Staff continue to look for new ways to encourage public involvement from our citizens in all of our efforts. Whether you prefer virtual or in person, your participation in committee meetings, Board meetings, workshops, educational opportunities and our annual Milam and Burleson Counties Groundwater Summit continues to prove invaluable.

Our capable staff continues to improve its understanding of our needs through attendance at trainings and meetings which enhance understanding of our challenges. We also stand ready to visit your organization and provide quality and informative educational programs on groundwater and conservation-based presentations. These 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 neighbors to join with us as well.

You are also encouraged to take advantage of the many opportunities to communicate 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 2021 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 2022.

Sincerely,



Sidney Youngblood  
Board President  
Post Oak Savannah GCD

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 2021. Additional information such as Agenda, materials and location may be obtained from the District's website at [www.posgcd.org](http://www.posgcd.org).

## Board Meetings/Public Hearings

Date	Meeting Type	Recording of Virtual Meeting
01.12.21	Board Meeting	<a href="https://vimeo.com/500872849">https://vimeo.com/500872849</a>
02.09.21	Board meeting	<a href="https://vimeo.com/510821875">https://vimeo.com/510821875</a>
04.13.21	Board Meeting	<a href="https://vimeo.com/536835816">https://vimeo.com/536835816</a>
05.11.21	Board Meeting	<a href="https://vimeo.com/548473629">https://vimeo.com/548473629</a>
06.07.21	Board Meeting	<a href="https://vimeo.com/560568709">https://vimeo.com/560568709</a>
07.13.21	Board Meeting/ Public Hearing	<a href="https://vimeo.com/574998970">https://vimeo.com/574998970</a>
07.27.21	Board Meeting/Public Hearing	<a href="https://vimeo.com/580410258">https://vimeo.com/580410258</a>
08.10.21	Public Hearing	<a href="https://vimeo.com/585861923">https://vimeo.com/585861923</a> - <a href="https://vimeo.com/585862476">vimeo.com/585862476</a>
09.14.21	Board Meeting/Public Hearing	<a href="https://vimeo.com/605633087">https://vimeo.com/605633087</a>
10.12.21	Board Meeting	<a href="https://vimeo.com/631272824">https://vimeo.com/631272824</a>
10.18.21	Board Meeting	<a href="https://vimeo.com/636636909">https://vimeo.com/636636909</a>
11.09.21	Board Meeting/ Public Hearing	<a href="https://vimeo.com/644407815">https://vimeo.com/644407815</a>

## Committee Meetings

### DFC Committee

12-16-21	Meeting
11-9-21	Meeting
09-14-21	Workshop
8-10-21	Meeting
5-11-21	Meeting
4-05-21	Workshop
1-12-21	Meeting
Legislative Committee	
05-04-21	Meeting
04-09-21	Meeting
03-09-21	Meeting

### Rules Committee

12-15-21	Meeting
10-15-21	Workshop
5-26-21	Meeting
5-11-21	Meeting
2-09-21	Meeting

### Education Committee

6-25-21	Meeting
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### Grant Committee

06-07-21	Meeting
04-09-21	Meeting

## GMA Meetings

### GMA 8 Meetings

01-12-21	GMA 8 Meeting
07-20-21	GMA 8 Meeting
11-04-21	GMA 8 Meeting

### GMA 12 Meetings

01-15-21	GMA 12 Meeting
02-12-21	GMA 12 Meeting
03-18-21	GMA 12 Meeting
04-20-21	GMA 12 Meeting
04-24-21	GMA 12 Meeting
06-24-21	GMA 12 Meeting
10-06-21	GMA 12 Meeting
10-13-21	GMA 12 Meeting
11-12-21	GMA 12 Meeting
11-30-21	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 2021 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 during the 87th legislative session, working on possible legislative remedies and serving as a resource to legislators concerning legislative issues. These issues include 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 27, 2021.



- The GM served as representative from GMA 12 on Brazos G Regional Water Planning Group in January, March, June, September, and December, 2021.

- 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 unreasonable, 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 to represent the District as voting member of GMA 12, and served as the acting chairman for GMA 12 during 2021.

- The GM served as the President's designee to represent the District as voting member of GMA 8 during 2021.

- District staff and consultants attended virtual meetings where networking and discussions of interest were presented at conferences throughout the year as follows:

- TAGD in January, February, June, August, and December; TWCA in March, May, June, October, and December; Texas Aquifers Conference in June.

- District Water Resource Management Specialist was elected Secretary of the Texas Alliance of Groundwater Districts for a two year term.





Throughout the year, the District has newsworthy events that warrant special attention. This information is sent to the local news papers in the form of Press Releases. The following pages is a collection of most of the more important Press Releases published in the District.

### **POSGCD Assisting Local Landowners With Well Issues**

Post Oak Savannah Groundwater Conservation District (POSGCD) created the Groundwater Well Assistance Program (GWAP) to assist owners of water wells in the Carrizo-Wilcox in Burleson and Milam Counties by identifying water wells expected to experience loss of service due to water levels dropping below the pump which is caused by aquifer wide pumping and take corrective actions to prevent that loss of service.



In 2020, 47 wells were inspected, 24 wells required service for a total of \$76,161. Of that amount, \$17,653 was reimbursed by from fees collected by the District from commercial producers and exporters of water. As of February 28, 2021 an additional 14 wells were inspected for the year 2021, 9 of those wells required service for a total of \$69,906 and \$44,3003 was reimbursed. Because of the GWAP program, all necessary financial

and technical assistance to owners of identified or affected wells is paid by POSGCD. Total Expense-to-Date including Science for evaluation and Well Service under GWAP is \$219,528.

The process to participate in the GWAP is simple and easy! If you experience loss of service, or are concerned you might experience loss of service, contact the POSGCD staff at [bbazan@posgcd.org](mailto:bbazan@posgcd.org) or 512-455-9900. The District staff will coordinate with you to perform an evaluation and investigation typically within 24 hours. If your well experiences loss of service due to water levels dropping below the pump, the District staff will work with you to assign a qualified professional to address your issues with corrective actions typically within 48-72 hours. For qualifying wells POSGCD pays the full expense!

The GWAP program is another example of how the Post Oak Savannah Groundwater Conservation District accomplishes our mission to strategically manage the groundwater resources to Burleson and Milam counties in order to protect against aquifer depletion and pollution to ensure an adequate water supply for future generations.

For additional information, please visit: <https://posgcd.org/groundwater-well-assistance/>



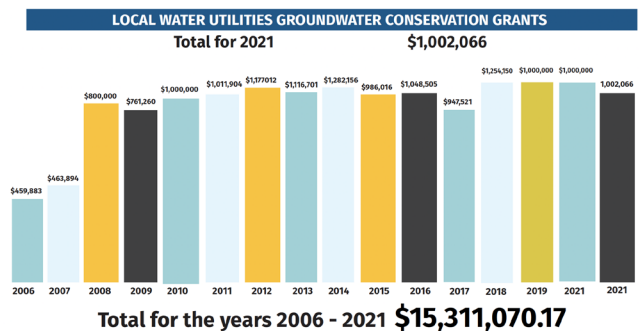
## Wrapping Up Another Year of Aquifer Conservation

The Post Oak Savannah Groundwater Conservation District (POSGCD) celebrated the first year of our innovative Aquifer Conservancy Program (ACP) by sending out payments this week to landowners who completed their first year of aquifer conservation. These checks should start to arrive in mailboxes next week, and the Board of Directors of POSGCD would like to take a moment to thank each of the 632 of our neighbors for pledging to conserve water across more than 45,000 acres in Burleson and Milam counties. Water is central to so much of our lives; it keeps our bodies healthy, grows the food we eat, and even helps us cook it. While this means we can't conserve it all, the District strives to balance water use and conservation with programs such as the ACP. This is one way landowners can work together with the District to truly make a difference. The Board of POSGCD strives to find new ways to encourage conservation while respecting the landowners' right to choose production of their property rights. We thank those enrolled in this program for working alongside the District to protect our groundwater and helping us spread the word. If you haven't enrolled and are interested in learning more, visit our website [www.posgcd.org/pacp](http://www.posgcd.org/pacp).



## Board of Directors has approved \$1,002,066 in annual water conservation grant funding

The Post Oak Savannah Groundwater Conservation District (POSGCD) Board of Directors has approved \$1,002,066 in annual water conservation grant funding for six area water suppliers for the year of 2021. The City of Thorndale received \$315,000 to replace obsolete water meters. The Clay Water Supply Corp., received \$96,000 for a water quality investigation, and the Cade Lakes Water Supply Corp., received \$141,462 to replace obsolete water lines. Thorndale will be required to provide \$35,000 in matching funds, and Cade Lakes will provide \$15,718 in matching funds. No matching funds will be required for the Clay project. Milano WSC received \$10,750.00 to replace obsolete water meters. In the April Board Meeting, the Board had already approved the following grants; Milano WSC received \$40,000 to replace obsolete water lines. They will be matching the grant for the amount of \$10,000. Southwest Milam WSC received \$198,854.20 to replace obsolete water lines with a matching amount of \$50,000.00 And lastly the City of Rockdale received \$200,000 to replace obsolete piping in the treatment plant. Their matching amount will be \$100,000. The district provides grant funding annually to area water suppliers based on need. Providers must show that the projects will benefit water conservation. POSGCD provides the grant funding from fees collected from water exporters and commercial users in Burleson and Milam counties.



The board also received a report on the Groundwater Well Assistance Program (GWAP), which aids landowners whose wells have been negatively impacted by water export activity. The program works with landowners in both counties which have experienced a loss of service due to water levels dropping below the pump caused by aquifer wide pumping. The program is fully funded from fees collected from commercial producers and exporters of water. The report showed a total of 47 wells inspected in 2020 with 24 wells serviced. POSGCD spent \$76,161 and was reimbursed \$17,653 from the Vista Ridge and I-130 export projects. For 2021 to date, 24 wells have been inspected and 20 wells serviced with POSGCD spending \$148,234. The total expense to date, including science and well service, under GWAP is \$298,575.

## 7th ANNUAL MILAM & BURLESON COUNTIES GROUNDWATER SUMMIT ANNOUNCED

The date for the 2021 Milam and Burleson Counties Groundwater Summit has been set for August 12, 2021 from 9 a.m. to 3 p.m. All are encouraged to attend.

The Summit is free and open to the public with lunch provided. Topics for this year's Summit cover a variety of issues. Speakers will discuss the Current Status of Water in Texas. In addition, there will be a presentation about the Impact of Vista Ridge to the Aquifers, an in depth look at the reliability of the new Groundwater Availability Model (GAM) with respect to previously predicted and actually realized impacts and effects on water levels. There will be an update on the popular Post Oak Savannah Groundwater Well Assistance Program (GWAP) and information on Compliance with DFC's and POSGCD well-monitoring system.

The Master of Ceremonies Stacey Steinbach is the General Manager of the Texas Water Conservation Association and Texas Ground Water Association. Previously, she served as Executive Director of the Texas Alliance of Groundwater Districts, as an attorney at the General Land Office, and as an attorney in private practice representing Texas water districts. Stacey holds a B.S. in biology and ecology from Baylor University, an M.S. in wildlife and fisheries sciences from Texas A&M University, and a law degree from the University of Montana. She currently serves on the board of the National Water Resources Association and the Advisory Council for Texas + Water. She will explain the Purpose and Structure of Texas Water Conservation Association.



Stacey Allison Steinbach is the General Manager of the Texas Water Conservation Association and Texas Ground Water Association. Previously, she served as Executive Director of the Texas Alliance of Groundwater Districts, as an attorney at the General Land Office, and as an attorney in private practice representing Texas water districts. Stacey holds a B.S. in biology and ecology from Baylor University, an M.S. in wildlife and fisheries sciences from Texas A&M University, and a law degree from the University of Montana. She currently serves on the board of the National Water Resources Association and the Advisory Council for Texas + Water.

"There are going to be some great programs again at this year's Summit that show how the District works to protect the water in our aquifers," said Burleson County Judge Keith Schroeder. Judge Steve Young, Milam County Judge, stated, "As empowered by the State of Texas, Post Oak has done an exemplary job of protecting the aquifers below each landowner's property while preserving each landowner's right to produce their water."

Citizens of Milam and Burleson Counties, as well as surrounding areas, can benefit from attending the Groundwater Summit. Post Oak Savannah Groundwater Conservation District organizes the event and invites groundwater experts from across Texas to come speak at the local level. It is a great opportunity for people to come and learn about the state's requirements on local groundwater management and stay up-to-date on current groundwater issues, such as property rights and groundwater management.

POSGCD in conjunction with TX AgriLife, is again offering FREE well water testing for landowners in Burleson and Milam Counties. Test kits can be picked up from your county extension offices or POSGCD offices in Milano Aug 9, 10, or 11.



For any questions, please contact the POSGCD office at 512-455-9900, or email at [admin@posgcd.org](mailto:admin@posgcd.org). Please RSVP to your County Extension office by August 9th if you plan to attend in person. Virtual attendance will be available, details will be available closer to the event. Burleson County Extension office - 979-567-2308. Milam County Extension office - 254-697-7045. For a detailed agenda of the Summit, please visit [www.posgcd.org](http://www.posgcd.org)



## BOARD APPROVES ALCOA'S REQUEST FOR AMENDMENTS TO EXISTING PERMIT BUT WITH AN EXCEPTION

After two previous public hearings on July 27 and August 10 where deliberation by the Board resulted in additional questions for ALCOA concerning their applications, the Board reconvened the Public Hearing on September 14. Presiding officer, Board President Sidney Youngblood reopened the record to allow Alcoa to submit additional information to respond to the questions previously ask by the Board. After receiving the additional information and deliberation, the record was closed. After additional deliberations, Alcoa's request to amend its existing production permit was approved, with the exception for the requested extension of time. In the corresponding application from Alcoa to transport groundwater outside the District, the Board approved the application, to move water from the Alcoa property to the areas requested by Alcoa with the same term to match the operating permit.



The additional information submitted by Alcoa can be viewed on the District's website, and focused on water needs for the new Samsung plant near Taylor, Texas, with additional explanations given to the transmission lines which would be used. Alcoa also discussed at length other projects currently existing on their property as well as efforts to secure additional businesses to locate on Alcoa lands.

To watch the video recording of the Public Hearing and Board Meeting from September 14, 2021, go to our website at <https://posgcd.org/agendas-minutes/posgcd-agendas-minutes/>

## POSGCD Expands Eligibility of the Groundwater Well Assistance Program

The POSGCD Board expanded the eligibility of the Groundwater Assistance Program for landowners in our District at the Board Meeting on November 9, 2021. Since the inception of the District's Groundwater Well Assistance Program (GWAP), the Board has accomplished the objectives of the program which are: 1) to identify high-priority wells within the District that are projected to experience water level declines below the pump during typical operations as a result of regional groundwater production, and 2) to provide technical and/or financial assistance to well owners to help prevent the loss of water supply in high-priority wells that meet established eligibility criteria.

The GWAP program includes nine (9) eligibility requirements. One of these requirements is:

"8. Wells constructed after January 1, 2022 which are not designed and constructed to account for declines in water levels predicted by DFC simulations adopted by GMA 12 will not qualify for financial assistance."

The Board reviewed the above eligibility requirement and voted to extend the date to January 1, 2023. The reason for extending is to provide landowners and local drillers more accurate and dependable information which stipulates the depths that pumps should be set and depths that wells should be drilled in aquifers across the district to protect their production of groundwater from future declines in water levels caused by regional groundwater production. We anticipate this information will be available to disseminate to the public through social media, newsletters, presentations, and training of water well drillers by the end of 2022.

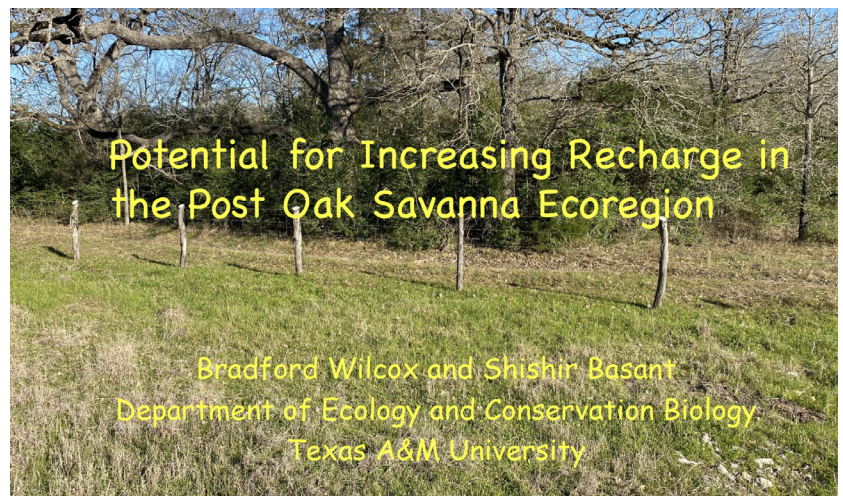
### **The Board of Directors funded a grant of \$30,000**

The POSGCD Board of Directors held their regular monthly meeting May 11, 2020. Dr. Brad Wilcox from the Department of Ecology and Conservation Biology at Texas A&M University gave a presentation on the potential for enhancing recharge in the Carrizo Wilcox Aquifer. The presentation entitled "Potential for Increasing Recharge in the Post Oak Savannah Ecoregion" outlined a study Dr. Wilcox and PhD student Shishir Basant have been working on in Burleson County. They were studying the effect of brush clearing to increase the potential for increasing recharge by restoring the and to true savannahs would increase the amount of recharge to the aquifer.

The Board of Directors funded a grant of \$30,000 to study the differences in recharge amounts in the different types of land cover. The study took place on property that belongs to the King family in the eastern part of Burleson County. Studies have shown the intensive change in the landscape in Texas from rangelands to forested areas and shrub lands. This change aligns exactly with the Carrizo Wilcox aquifer. This change is due to several factors including; new farming practices, less fires that would reduce the brush and other factors have cause the landcover to change from a true savannah with rangelands to thick-etized woodland with post oak, yaupon and eastern red cedar.

By managing vegetation to increase groundwater recharge, Dr. Wilcox suggested that this part of the state has the most opportunity to increase. Some of the reason our area prime to help in this situation is the amount of rainfall in our area, the porosity of the sands in the aquifer and the amount of brushy areas verses the savannah areas. Trees and woody areas pump a lot of rainwater from the ground through transpiration keeping that water from reaching the aquifer, recharging the aquifer thus changing the water cycle.

By using specialized moisture measuring tools, taking core samples and measuring the amount of chloride in different depths in the soil we can measure the recharge rates. The chloride inputs from the atmosphere gets absorbed into the soil. By measuring the amount or chlorid at different depths and comparing these trace minerals from the pasture's areas and the woodlands, we can see the amount of water moving through the soil. These studies show that the amount of recharge is as much as 100 time greater in the pastures than in the woodlands.



These studies could lead to grants given to local landowners to reduce the woodlands and restoring the area back to true savannahs to increase the recharge to our aquifers. To see the entire program, go to [www.vimeo.com/5484736929](http://www.vimeo.com/5484736929) or our website [www.posgcd.org/agendas-minutes/posgcd-agendas-minutes/](http://www.posgcd.org/agendas-minutes/posgcd-agendas-minutes/)

**POSGCD Welcomes Administrative Assistant**

On November 15, 2021, Post Oak Savannah Groundwater Conservation District welcomed Courtney Gentry as our Administrative Assistant. Mrs. Gentry is a Rockdale native and resides there with her husband J. D. Courtney is the daughter of Jeff and Monique Gebhart of Rockdale. Courtney attended Austin Community College and earned a Phlebotomy Certification.

Courtney has a work history of customer service and understanding the requirements of regulation as her previous jobs included working at the Blood and Tissue Center in Austin and the Gulf Coast Regional Blood Center in Bryan/College Station, as well as Fresenius Dialysis in Bryan, TX as a Patient Care Technician where she worked directly with patients. Her most recent job was with Boon-Chapman in Austin as a Senior Specialist where she administered COBRA for employer groups.

As an Administrative Assistant for POSGCD, Courtney will work with Elaine Gerren who has assumed the position of POSGCD Office Manager. Courtney will be the prime contact with the public at the office and on the phone.

Mrs. Gentry believes that her knowledge and experience in customer service and data entry in the demanding medical field will benefit the landowners in our District, as well as her experience dealing with COBRA regulations and federal guidelines makes her a perfect fit with the staff and Board at POSGCD. Courtney will be a valuable addition to the POSGCD staff, and we are excited to have her aboard.

**POSGCD Welcomes New Field Technician Jeff Fisher**

On November 1, 2021, Post Oak Savannah Groundwater Conservation District welcomed Jeff Fisher as a Field Technician Contractor. Mr. Fisher is a Rockdale native who attended Rockdale High School. Jeff graduated Temple Junior College with an associate degree in Criminal Justice. He also studied Aviation Science and received his Pilot Ratings in 1991. He completed his BS Degree in Criminal Justice/Police Science with a minor in Psychology at Sam Houston State University.

Jeff worked for the Texas Department of Criminal Justice as a Correctional Officer, and an Institutional Parole Officer from 1992-1997. Jeff served the public as a state trooper from 1997-2007. Jeff was promoted from Trooper to Pilot Investigator from 2007 – 2019. He served as an Air Evac Life Team Pilot responsible for air medical transportation of infirmed individuals as well as trauma victims from 2019-2020. Just recently he worked with Central Texas Auto Supply before joining Post Oak Savannah GCD.



As a Field Technician Contractor for POSGCD, Fisher will assist Craig Andrews and Bobby Bazan in monitoring wells, checking water levels and water quality, troubleshooting, and performing well inspections.

Mr. Fisher said that his knowledge of the people and properties in our District, as well as his experience dealing with people will help him perform the duties of the POSGCD Field Technician. In addition, he will be talking to landowners about adding their wells to the POSGCD Monitoring Network.



## Requirements of District Management Plan



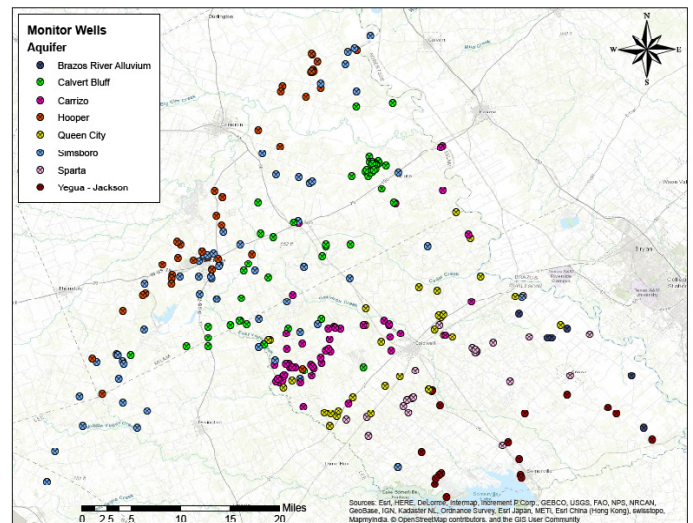
### Section 5. Management Zones

#### 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 2021, 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 pre-existing 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.

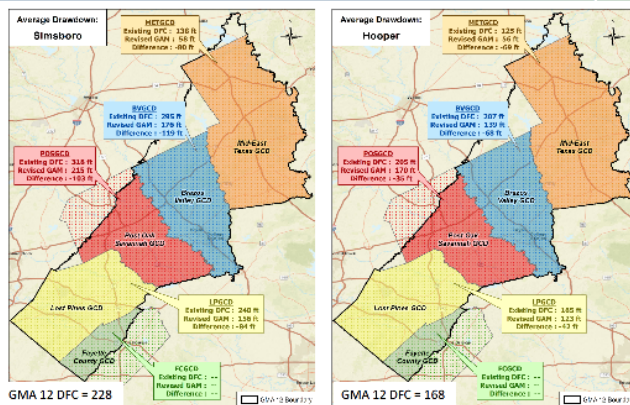
The District will adopt rules to regulate groundwater withdrawals by means of well spacing and production limits as appropriate to implement this Plan.

#### Action Taken

In 2021, 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 WellIntel and 27 acoustic devices 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.

## Requirements of District Management Plan

Predicted Average Drawdown(ft) and  
Current DFCs GMA 12: Simsboro and Hooper



16



### Section 7. Desired Future Conditions

#### Goal

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 2021, the member Districts of GMA 8 met January 12, July 20 and November 4 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 2021, GMA 12 meetings were January 15, February 12, March 18, April 20, April 24, June 24, October 6, October 13, November 12, and November 30 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](http://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  
Email: [gwestbrook@posgcd.org](mailto:gwestbrook@posgcd.org)  
Website: [www.posgcd.org](http://www.posgcd.org)

Serving the citizens of Milam and Burleson Counties

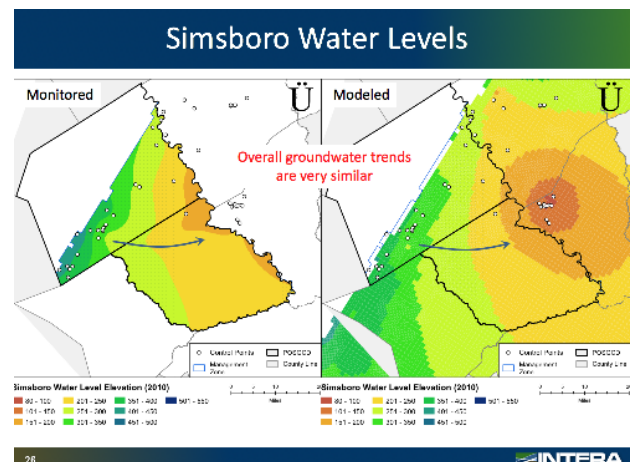
### Section 8. Modeled Available Groundwater (MAG)

#### 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.

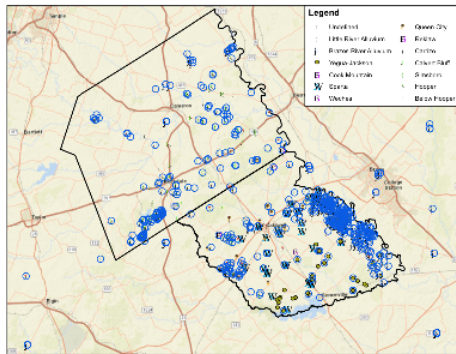


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## Requirements of District Management Plan

## Exempt Status

Permitted wells  
listed as Exempt

40  **INTERA**  
AN INTERNATIONAL ASSOCIATION OF REAL ESTATE

## Section 9. Water Well Inventory

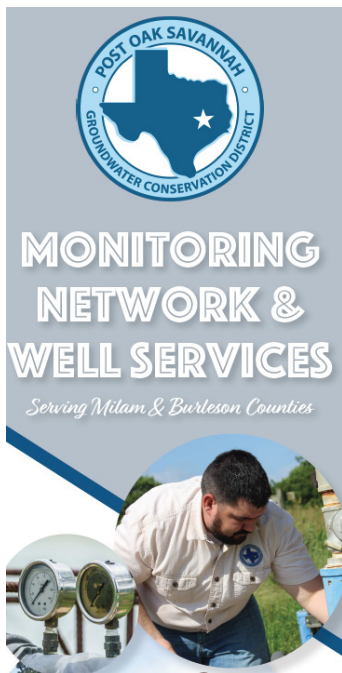
## Goal

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](http://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.



## WELL MONITORING NETWORK

Many of the wells in the District's Monitoring Network are wells that landowners have volunteered to be in the program. This partnership helps the District in many ways.

Post-Click Seawallside GCD's Management Plan and Rules are created and implemented based on the data at the aquifer, which is monitored by water levels. These water level measurements are taken from the wells in the Monitoring Network and show where the current water level is in relation to past and future predicted levels.



Having more monitoring wells is essential to better understand the aquifer and gain insights on how pumping is impacting water levels in specific areas.

Two main benefits for landowners who are considering adding their well to the monitoring network are a more accurate reading of water levels at their location and a better understanding of how pumping in one area and the inherent impacts drain their wells.

If you have a well that you want to use to add to the Network, contact me (CASEY) either by email [adrian@pangod.org](mailto:adrian@pangod.org) or phone (813) 455-4545. To learn more about the program, you can also email call me (CASEY) at [www.pangod.org/resources/monitoring-a-network](http://www.pangod.org/resources/monitoring-a-network).

## COLLECTED DATA

What does the libnet do with collected data?

Data collected from the wells will be used by the District to monitor aquifer health. Because the water level measurements collected from the Monitoring Network serve as a reflection of the health of our aquifer, the District will use the data to make informed management decisions and take any measures that might be needed to ensure the protection and conservation of our groundwater resources.

Data will also be used to populate the state's Comprehensive Availability Models to help the District understand regional characteristics.



## REQUIREMENTS

Participants' wells shall be registered or permitted with Post Oak Savannah GCD. If a well is not registered or permitted, the owner will be asked to fill out the appropriate forms or applications to complete the required process.

Besides the registration or permit, no other agreements or terms are needed to participate in the program. However, if the District is required to expend funds to utilize your well (i.e., conversion of oil and gas well, installation of a pressure transducer, etc.), the owner will be asked to sign a Monitoring Well Agreement with the District.

By volunteering your well in the Network, you are giving First Oak Savannah GCD permission to enter onto your property and access your well. The well will be measured by the District using standard procedures that are consistent with procedures used by the Texas Water Development Board. The District takes every precaution to make sure that their procedures do not contaminate any water.



## MEASURING WELLS

Typically, the District measures wells in the program once a year, during February and March. It is required by the owner, or at the District's determination, wells may be measured on a more frequent basis.

## Section 10. Groundwater Monitoring

## Goal

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 2021, 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 WellIntell acoustic measurement technology to continuously measure water levels.

The District also completed the addition of approximately 67 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](http://www.posgcd.org)

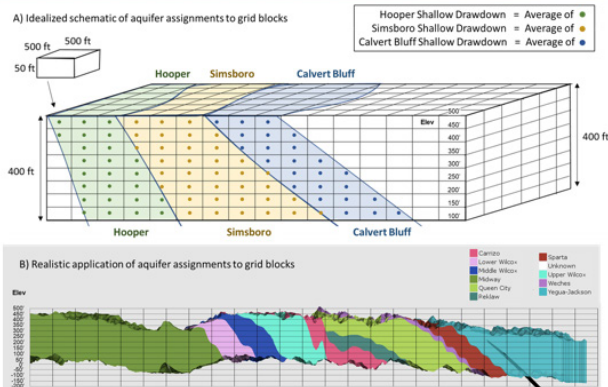
The District also shares monitoring responsibilities and exchanges monitoring information with neighbouring GCDs in an attempt to improve collection, exchange of information, and management of the groundwater resources within GMA 12.

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 2022.



## Requirements of District Management Plan

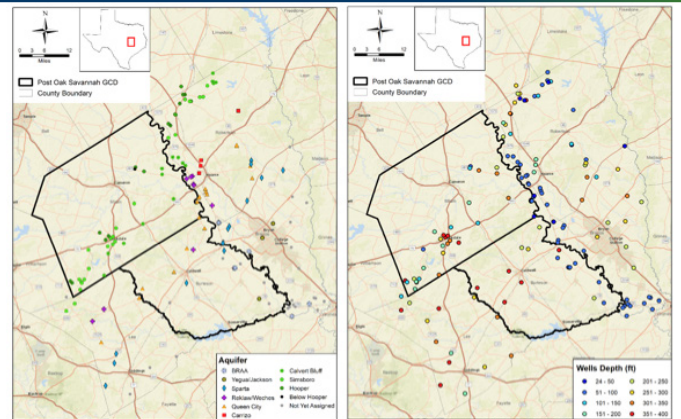
### Two-Dimensional Grid Used to Create a Network of Three-Dimensional Blocks



12 Each column of blocks has the same amount of drawdown



### Location of Wells for 400-ft Zone



7



#### 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 the monthly meetings.

The Board meeting held on August 10, 2021 provided a comprehensive comparison of off site evaluations and monitoring results to the DFCs and goals identified in the District's management plan.

#### Section 12. Production and Spacing of Wells

##### 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.

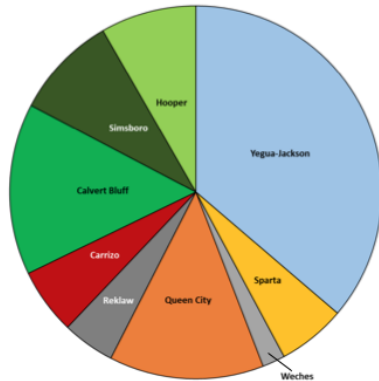
##### Action Taken

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.

## Requirements of District Management Plan

### Aquifer Volumes in the Three-Dimensional Grid

Aquifer	Volume	
	# Blocks	% Blocks
Yegua-Jackson	379,398	36%
Sparta	61,867	6%
Weches	20,636	2%
Queen City	140,746	13%
Reklaw	47,699	5%
Carrizo	59,867	6%
Calvert Bluff	155,577	15%
Simsboro	94,110	9%
Hooper	87,155	8%
Total	1,047,055	100%



15



### 13. Actions, Procedures, and Avoidance for Plan Implementation.

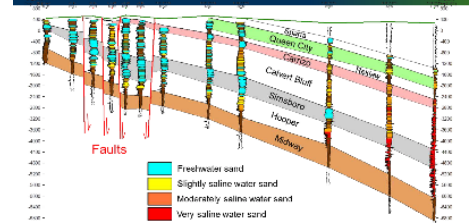
#### Goals

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 proactively 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.

### Example Cross Section



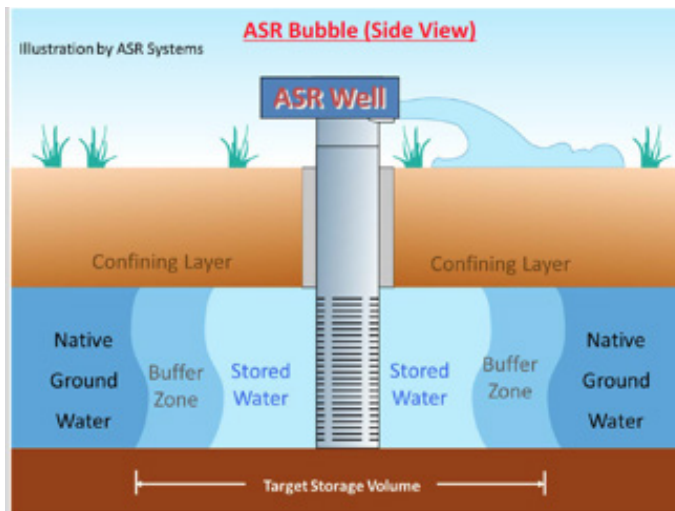
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### Section 14. Methodology for Tracking District Progress in Achieving Management Goals

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.



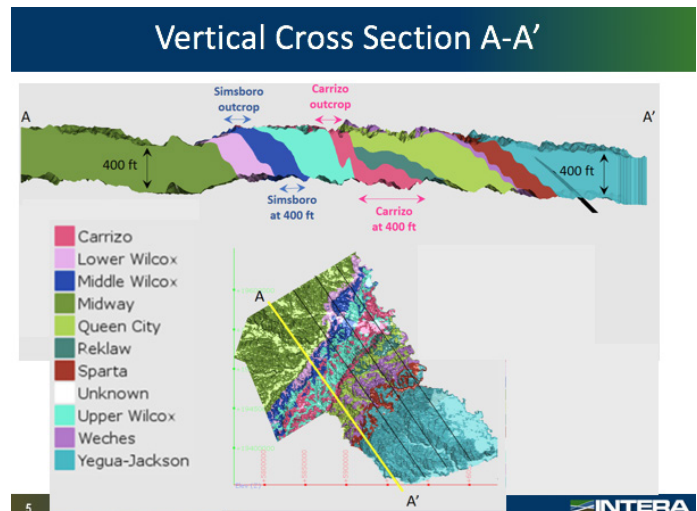
## Section 15. Aquifer Storage and Recovery Projects

### 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 2021.



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

### 16.1 Efficient Use of Groundwater

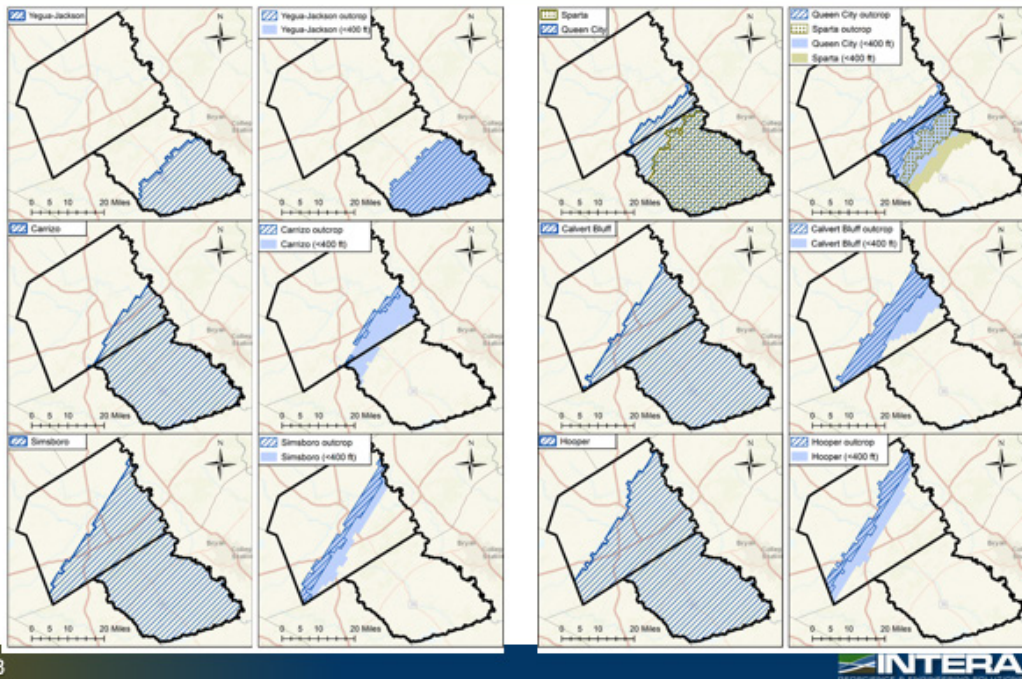
#### Management Objectives:

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.



## Requirements of District Management Plan

### 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 359 wells that were a part of POSGCD monitoring well network in 2021, 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 WellIntel 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 2021 for which water levels were recorded at least once during that year. A report on this monitoring was presented to the Board on August 10, 2021 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.

## Requirements of District Management Plan



### 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:

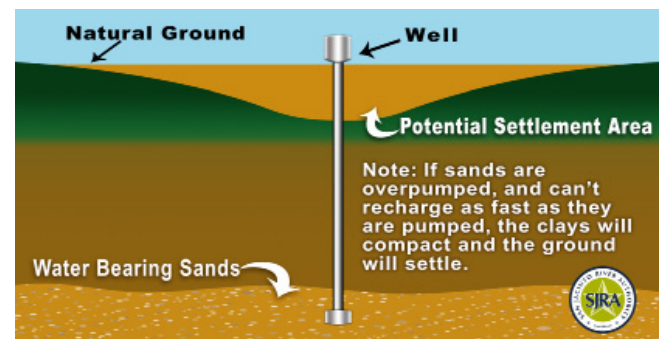
1. The number of publications and speaking appearances by the District each year, and the number of grants considered and students actually accepting and attending an educational summer camp or seminar.

## 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 359 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.

## Requirements of District Management Plan



### **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. 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.



## Requirements of District Management Plan



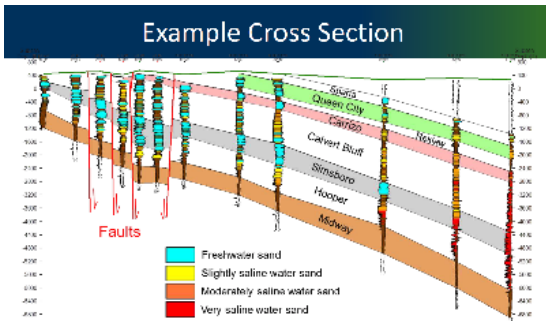
### 16.4 Conservation of Groundwater including Rainwater Harvesting, Precipitation Enhancement, Brush Control, Conjunctive Use, and/or Recharge Enhancement of Groundwater Resources in the District (cont)

#### 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 2021 for the Texas A&M Agri-Life Texas 4-H Water Ambassadors Program through annual sponsorship in it's program. We have Students from the District and other areas of the state who benefit from this sponsorship. Details can be found on our Facebook page.

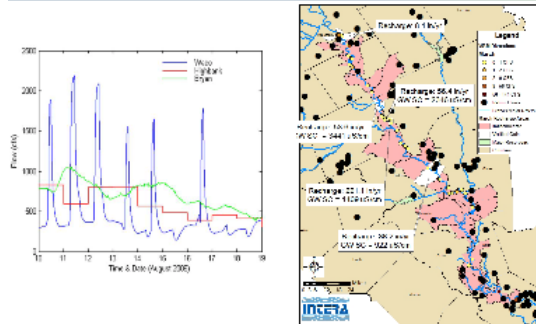
## Requirements of District Management Plan



### 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.

#### Results from Brazos River Gain-Loss Study in 2010 and 2011

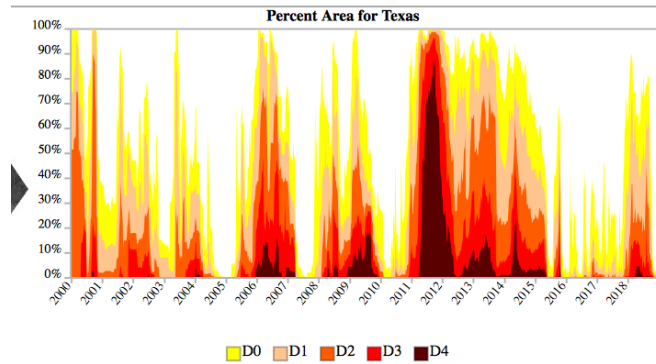


### 16.5 Conjunctive Use of Surface and Groundwater Performance Standard:

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 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 with the District.

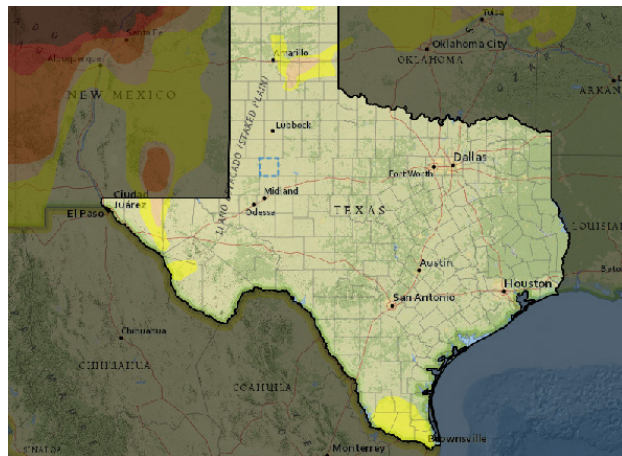


### 16.6 Drought Management Strategy

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.

## Requirements of District Management Plan

# Natural Resources



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

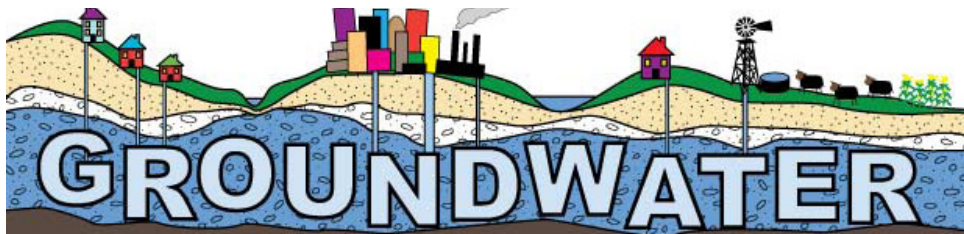


### 16.7 Natural Resource Issues That Impact the Use and Availability of Groundwater and Which are Impacted by the Use of Groundwater

The District reviewed applications and approved issuance of 28 permits for non-exempt wells in 2021 (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](http://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 5 qualified wells for a total of \$ 5,404.21 in 2021.



## Requirements of District Management Plan



### 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 2021 we have assisted 36 land owners for a total of- \$ 233,954, \$95,025 was reimbursed to POSGCD from Vista Ridge & I-30 Projects through 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 August 10, 2021.

## Requirements of District Management Plan

# DFCs

### 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 10, 2021 Board meeting in a comprehensive evaluation of monitoring results compared to the DFCs and management goals identified in the District's management plan. 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 2021 at the August 10 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 2021 Budget and the 2021 Budget was adopted at the November 9, 2021 Board meeting.

The Annual Financial Audit of the District for Fiscal Year 2020 was presented to the Board at the September 14, 2021 Board Meeting and yielded a clean report. The Board considered and approved the audit.

[www.posgcd.org/posgcd-background/district-finances/](http://www.posgcd.org/posgcd-background/district-finances/)

# MONITORING WELLS

# 15% Increase

for 2021

## ADDING MORE NEXT GENERATION MONITORING ACOUSTIC MEASUREMENT TECHNOLOGY

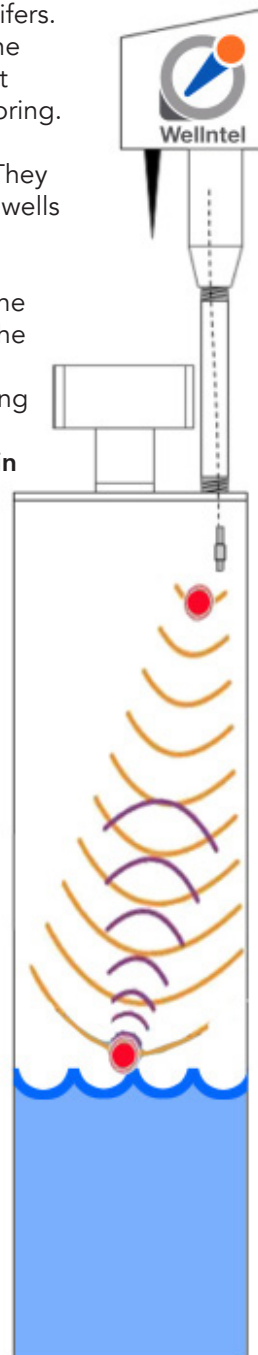


Well Monitoring is one of the most important tools Post Oak Savannah Groundwater Conservation District has to track the health of the aquifers. At the present time, the District has over 359 Monitor Wells across the two counties which include Rural Water Suppliers, landowner exempt wells, and wells the 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 Technicians Craig Andrews and Jeff Fisher measure 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.



2016 - **110**

2017 - **156**

2018 - **201**

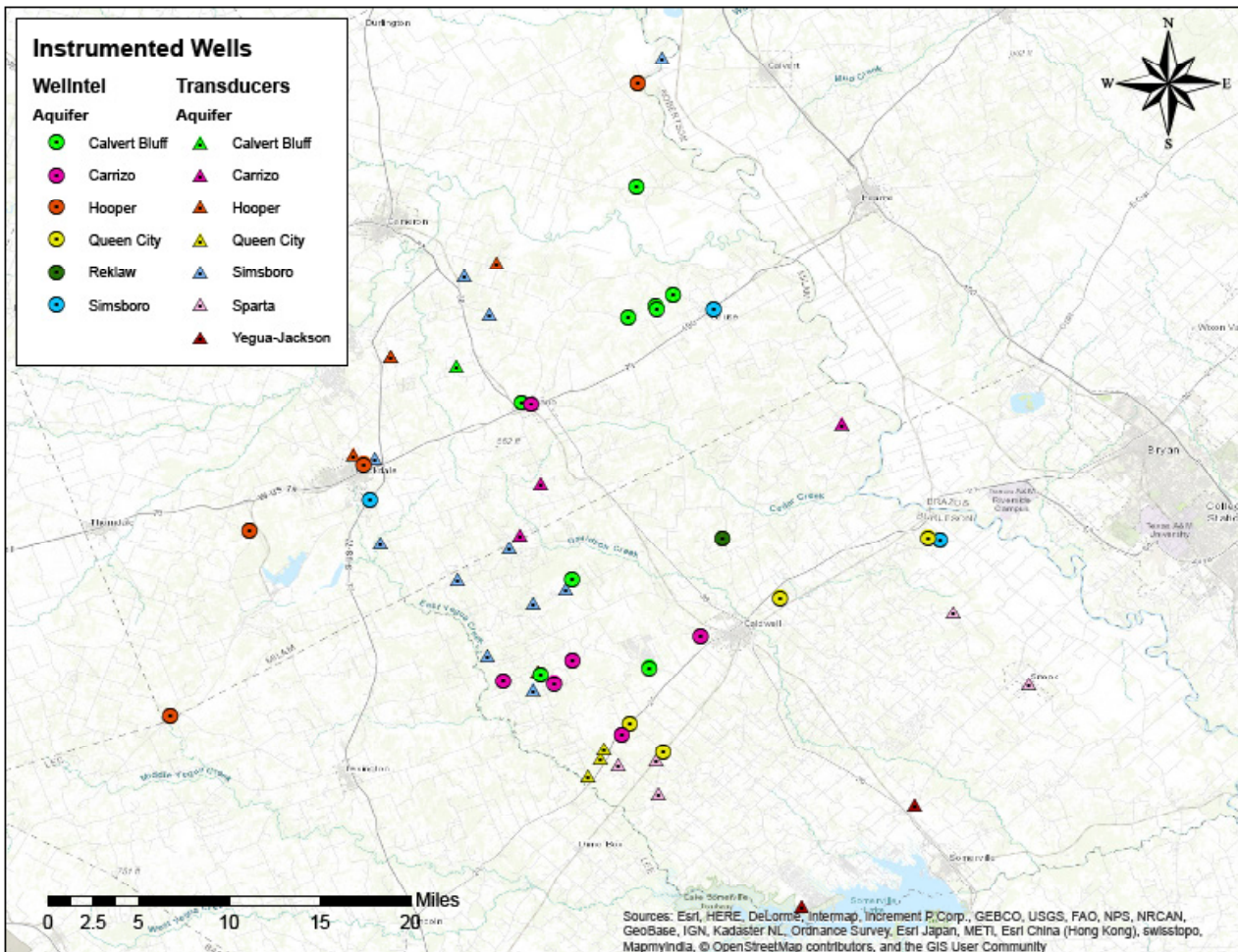
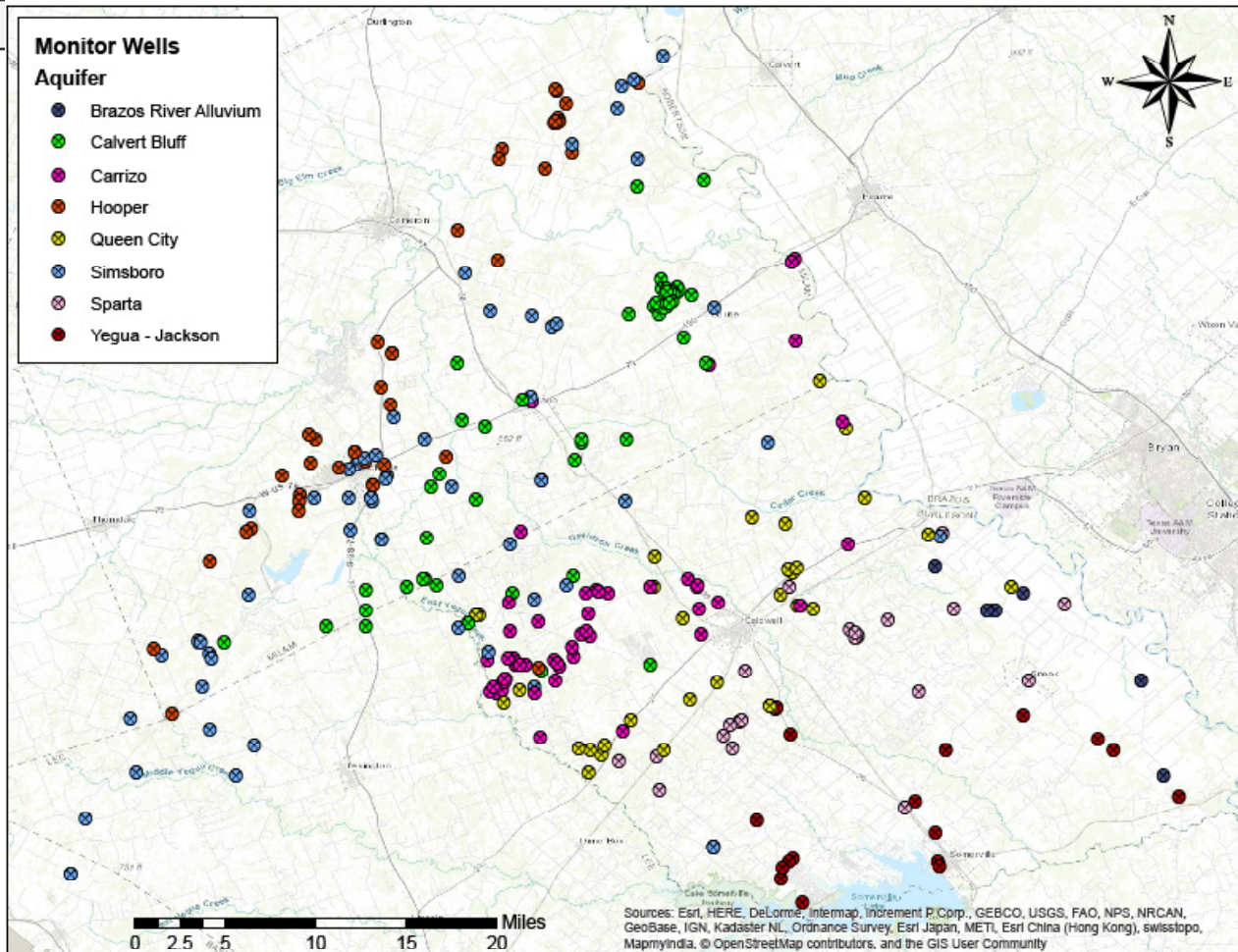
2019 - **241**

2020 - **292**

2021 - **359**

# Monitoring Wells





# GROUNDWATER SUMMIT

## 8th Annual Milam & Burleson Co Summit

### Due to Covid 19 we had our first Hybrid Groundwater Summit

For the first 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!

Last year, the Summit was put on hold due to the Covid 19 virus.

This year, we had our first Hybrid Summit which was a success for all involved.

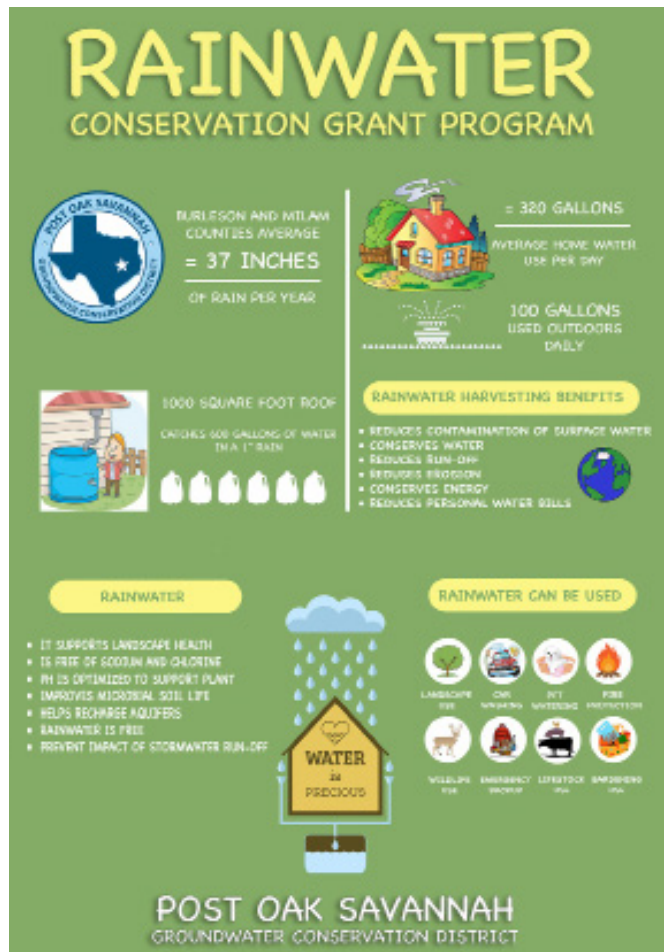
The Groundwater Summits are always a great opportunity for the District to contribute and connect with the public about groundwater conservation and the legacy of stewardship. We hope to see YOU at the Groundwater Summit next year!



Everyone handled the Covid situation differently. Some wore masks, some simply adhered to social distancing while others chose to attend via computer at their own space.

You can watch videos from the last two years Summits on our website.  
[www.posgcd.org/groundwater-summit/](http://www.posgcd.org/groundwater-summit/)





In 2021, POSGCD hosted 6 Cooperative Conservation Workshops in conjunction with Texas A&M AgriLife, serving 107 citizens. The virtual classes in 2021 consisted of Rainwater Harvesting, EarthKind, and Irrigation with Collected Rainwater. Utilizing the RWH Grants, there were 16 Rainwater Harvesting systems installed consisting of 20 cisterns with a total of 56,415 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.



### 16 SYSTEMS INSTALLED

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



### 56,415 TOTAL STORAGE

Gallons of storage. The rebate program is based on \$1/gallon of tank capacity up to \$3,000 per household.



### 20 TOTAL CISTERNS

The 16 installed systems consist of 20 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 emitters.



### 524,214 GALLONS

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.





# FIRE DEPARTMENT REIMBURSEMENT GRANT

## Turbo Jet Nozzles

Akron Wide-Range, Turbojet Nozzle is a top nozzle of choice for fire fighters worldwide. It allows the firefighters to quickly and easily change flow and pattern to save water.

## FOAM Replacement

The foam 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.

## 9

VFD's Milam  
County

Rockdale VFD,  
Thorndale VFD,  
Milano VFD,  
Minerva VFD  
Bartlett-Davilla FD,  
Cameron VFD,  
Burlington VFD,  
Buckholts VFD,  
Gause VFD

## 9

VFD's Burleson  
County

Caldwell Fire & Rescue  
Somerville VFD  
Snook VFD Black Jack  
Volunteer FD  
Beaver Creek VFD  
Birch Creek Area VFD  
Cooks Point VFD  
Deanville VFD  
Cade Lake VFD

**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 to Burleson County Fire Departments and Milam County Fire Departments. It is up to each department to request a reimbursement for their department. In 2021, none of the Fire Departments sent in a request.**

Some of the items that VFDs 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 air-borne 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.

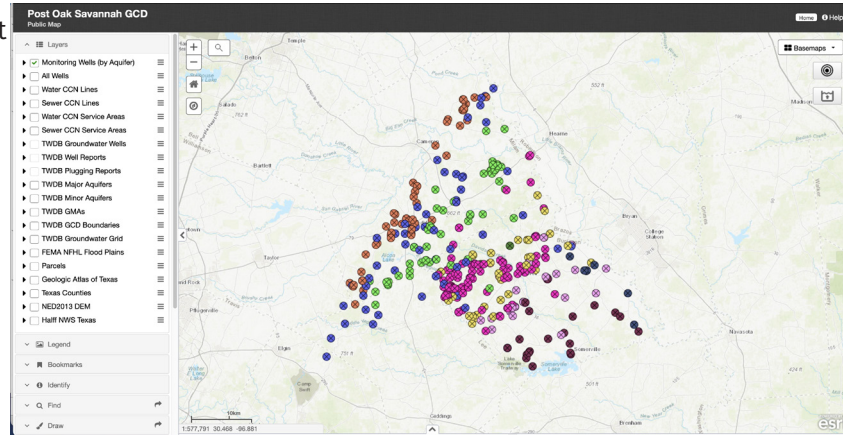


# PUBLIC INTERFACE

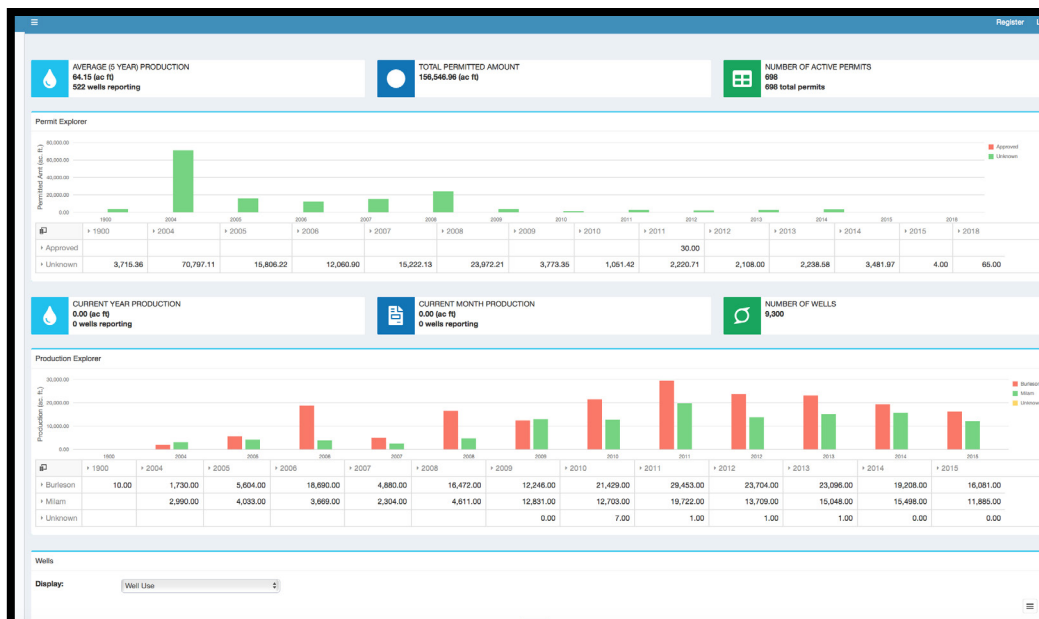
Post Oak Savannah GCD Public Interface section of the website continues to be a favorite because it brings field data to your desktop! This program provides real-time updates of groundwater data to increase transparency and collaboration between the district and landowners. Resources include the ability 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-by-step 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
- 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.



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



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
- Complement 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 preservation of aquifers.)

### 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!

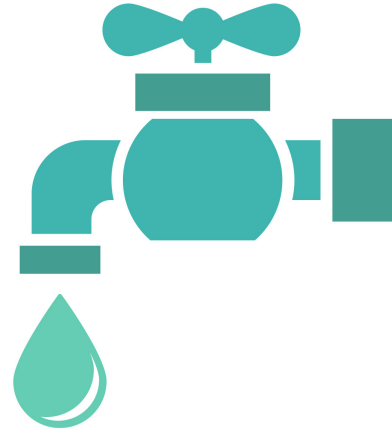
Can I still have my personal well? Yes!

The program survives the current Board and management. This is a longterm commitment by citizens toward the sustainability of the aquifers and water for future generations.

I SUPPORT



**AQUIFER**  
CONSERVANCY PROGRAM  
[WWW.POSGCD.ORG](http://WWW.POSGCD.ORG)



**In 2021 an additional 30 parcels were added for a total of 2,131 acres for a grand total of over 46,000 acres and more than 630 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.

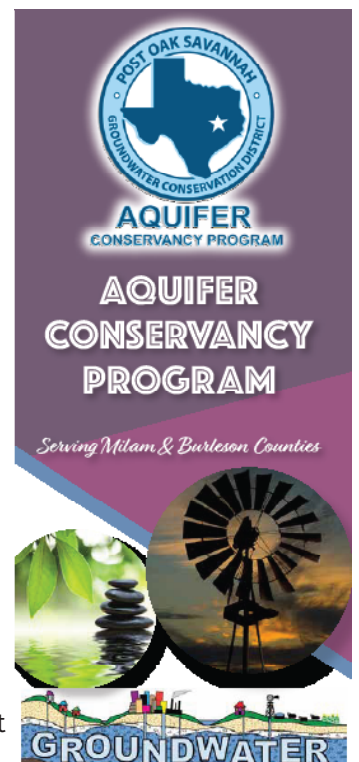
The Board implemented Flexible Commitment Options.

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.





# 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.

## 2021 continued to be 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 by switching to Tinker is about \$7,460.

## Facebook & Twitter

Our Facebook page received views from 10,585 people in 2021, which is up 24.5 % from last year. Our Twitter account receives an average of 452 impression, and 6 engagements per post with our 379 followers.

## EDUCATION PRESENTATIONS

### 4th GRADE

We work with 4th grade teachers in the District assisting them with the Texas state requirements

### 7th GRADE

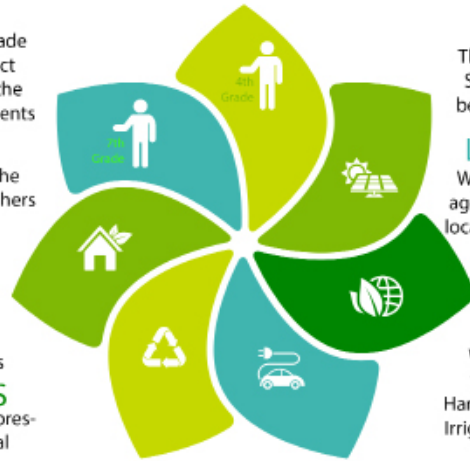
We also work with the local 7th grade teachers to assist them

### AgriLife

We work with the AgriLife Extension Agents in Burleson and Milam Counties

### SERVICE CLUBS

We are available to present programs at local service clubs



### 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 libraries or anywhere your group meets

### OUTREACH

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



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 2021 we had a total of 30,000+ views during 12,000+ sessions from 6,000+ visitors. This yields an average daily page view count of 69.7



# POSGCD GROUNDWATER CONSERVATION GRANTS

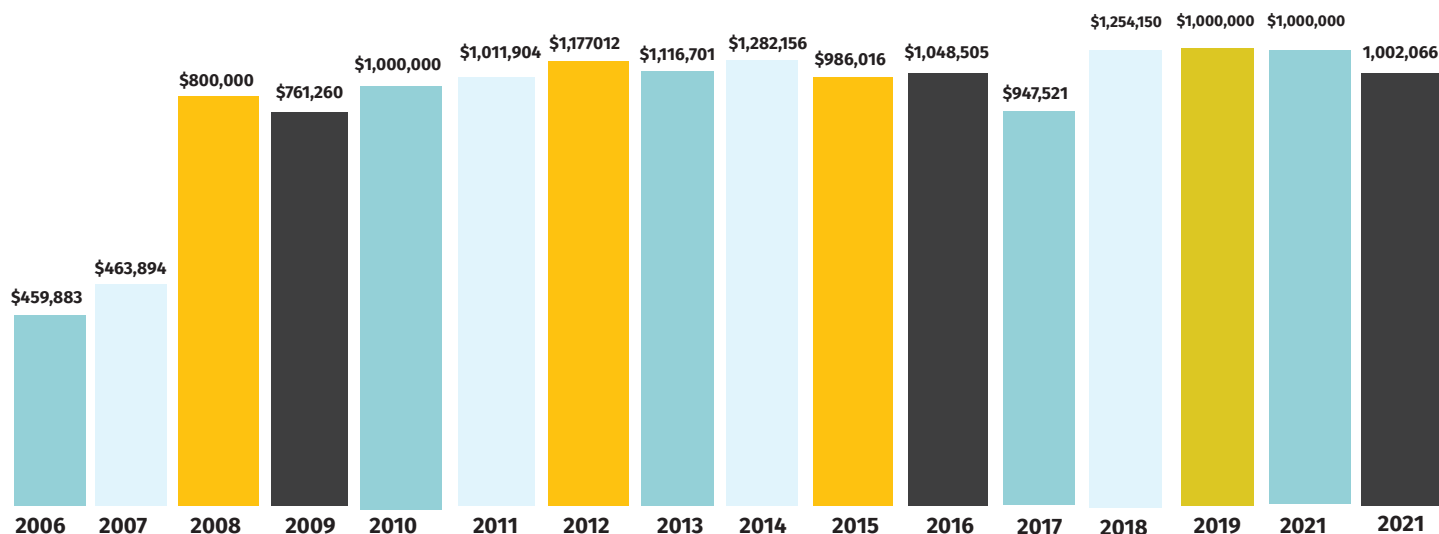
Post Oak Savannah Groundwater Conservation District has had Grant programs in the District since 2006, just 4 years after it was formed. The Board of Directors realized that one of the best ways to encourage people in the District was to help with the expense. The objective of this program is to obtain 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 through the present day. We have helped over 25 different local water utilities for a total of over \$15,311,070.17. We estimate that we have saved over 173.55 Million gallons of water per year and growing.

## LOCAL WATER UTILITIES GROUNDWATER CONSERVATION GRANTS

**Total for 2021**

**\$1,002,066**



**Total for the years 2006 - 2021 \$15,311,070.17**

## 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 2021 65 wells were assisted. 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 2021 POSGCD assisted landowners to plug 5 qualified wells for a total of \$ 5,404.21 .**

## Investigations

Upon receiving news of water from the Vista Ridge Project being discharged into Mud Creek on the north side of San Antonio on June 11, 2020, the District began a due diligence investigation lasting 10 months resulting in securing information from many sources. During the investigation the District considered Chapter 36, Texas Water Code, the District's Rules and Management Plan, information from the Texas Commission on Environmental Quality, and information gleaned from collaborative research and discussions with Vista Ridge, the permittee of the discharged water, and the San Antonio Water System, the end user of the water.

At the end of that effort a resolution agreement was signed between the District and Vista Ridge, and Blue Water Vista Ridge, together with SAWS as a third party beneficiary providing the District with improved monthly reporting from EPCOR, the operating agent of the permittee as well as \$105,000 being forwarded to the District for use in the Groundwater Well Assistance Program and \$1,000 being forwarded to the District for administrative fees.

The additional reporting information is available to the public on the District's website under the "Vista Ridge Dashboard" and is updated monthly. Vista Ridge and its contractors have also committed to amend their policies to prevent such an event in the future, and the District amended its Rules to provide strengthened definitions to deter similar future events.

For more information see our website at: <https://posgcd.org/vista-ridge-dashboard/>

## Summary Report of POSGCD Grants Awarded 2021

2021	City of Rockdale	Replace obsolete piping in treatment plant	\$200,000.00
	Southwest Milam WSC	Replace obsolete water lines	\$198,854.20
	Milano WSC	Replace obsolete water lines	\$40,000.00
	Milano WSC	Replace obsolete water meters	\$10,750.00
	Clay WSC Stage 1	Water Quality Investigation	\$96,000.00
	City of Thorndale	Replace obsolete water meters	\$315,000.00
	Cade Lakes WSC	Replace obsolete water lines	\$141,462.00
Total:			\$1,002,066.20

**Table 1 Non-Exempt Permits Issued During 2021 Calendar Year**

Well District Id	Permit Permit	Permit Holder	Permit Original	Permit Amount	Well Aquifer	Well
PO-011426	POS-D&O-0275	WHW Shears Ranch, LLC	1/7/21 0:00	30	Yegua - Jackson	Livestock
PO-011450	POS-D&O-0276	Dalton Feldmann	2/8/21 0:00	53.9479	Brazos River Alluvium	Irrigation
PO-011488	POS-D&O-0277	Christopher M. Barrett	4/19/21 0:00	17.6	Carrizo	Domestic
PO-011560	POS-D&O-0278	Harold Wayne Cooper, Jr.	8/4/21 0:00	4	Hooper	Irrigation
PO-011614	POS-D&O-0279	Son Nguyen	10/27/21 0:00	1.1201	SMALL ALLUVIUM	Poultry
PO-011639	POS-D&O-0280	Troy Arledge	12/1/21 0:00	966.9987	Simsboro	Irrigation
PO-011652	POS-D&O-0281	Travis Carrabba	12/20/21 0:00	0	Brazos River Alluvium	Irrigation
PO-011462	POS-LP-0013	Knife River	3/15/21 0:00	2	Brazos River Alluvium	Industrial
PO-011496	POS-O&G-0261	Treadstone Energy Partners	5/7/21 0:00	306.8883	Calvert Bluff	Frac
PO-011578	POS-O&G-0262	Treadstone Energy Partners	9/3/21 0:00	184.133	Carrizo	Frac
PO-011434	POS-O-0063	Leroy Schaefer	1/25/21 0:00	18.4133	Queen City	Livestock
PO-001621	POS-O-0064	Keith Debault	10/11/21 0:00	15.3444	Hooper	Livestock



**Table 2 Exempt Drilling Registrations Issued During 2021 Calendar Year**

Well Date	Well District Id	Well	Owner Last Name	Owner First	Owner Company	Well Status
10/26/20	PO-001327	28031	Schaefer	Leroy		Active
10/23/20	PO-001328	28030	Hendrex	Todd		Active
12/17/20	PO-001342	28064	Moore	Darryl		Active
2/12/20	PO-001794	27902	McClaren	Bob	44 Farms	Active
4/7/20	PO-002659	27923	Waldson	Jim & Mary L.		Active
10/30/20	PO-003444	28042			Boys & Girls Country of Houston	Active
4/9/20	PO-004459	27925	Gibbons	Patrick		Active
11/4/20	PO-004976	28046	Ofczarzak	Ernest and Kerri		Active
8/21/20	PO-005261	27989	Anderson	Chuck		Active
11/25/20	PO-005767	28054	Eichinger	Matt		Active
10/28/20	PO-005817	28035	Eichinger	Kenneth		Active
1/6/20	PO-011147	27878	Ehlinger	Robert		Active
1/15/20	PO-011165	27880	Sarreon	Shirley		Active
1/16/20	PO-011167	27881	Gouldin	William		Active
1/16/20	PO-011168	27882	Flores	Sebastian		Active
1/17/20	PO-011169	27883			Chesapeake Operating, LLC	Active
1/17/20	PO-011170	27884	Billinger	Randall & Kristi		Active
1/21/20	PO-011218	27885	Garcia	Evonne & Jubal		Active
1/23/20	PO-011219	27886	Latham-Burdick	David		Active
1/24/20	PO-011220	27887	Beran	Linda		Active
1/24/20	PO-011221	27888	Denson	Mark	LBD Properties Ltd.	Pending
1/28/20	PO-011222	27889	Garbs	Gregory		Active
1/28/20	PO-011223	27890	Supak	Glenn		Active
1/30/20	PO-011224	27891	Creighton	Thomas		Active
1/31/20	PO-011225	27892	Cass	Coy		Active
1/31/20	PO-011226	27893	Luce	Wilburn		Pending
1/31/20	PO-011227	27894	Rodriguez	Nubia		Active
2/6/20	PO-011230	27896	Andrews	Jonathan		Pending
2/6/20	PO-011231	27897	Adams	Joshua		Active
2/10/20	PO-011232	27898	Laster	William		Active
2/11/20	PO-011233	27899	Shuffield	Colton		Pending
2/12/20	PO-011235	27901	McClaren	Bob	44 Farms	Active
2/18/20	PO-011238	27903	Collins	Matthew		Active
2/18/20	PO-011239	27904			Chesapeake Operating, LLC	Active
2/18/20	PO-011240	27905			Chesapeake Operating, LLC	Active
2/19/20	PO-011241	27906	Perkins	Robert		Active
2/21/20	PO-011242	27907	Maass	Kermit Ray		Pending
3/3/20	PO-011244	27909	Mathews	Vincent		Active
3/5/20	PO-011245	27910	Baldwin	Tammy		Active
3/9/20	PO-011246	27911			Chesapeake Operating, LLC	Active
3/9/20	PO-011250	27913	Mayo	Eddie		Pending
3/11/20	PO-011251	27914	Grawunder	Lonnie		Pending
3/16/20	PO-011252	27915	Clark	Travis		Active
3/16/20	PO-011254	27916	Ruiz	Esmeralda		Active
3/18/20	PO-011255	27917	Scroggins	Wanda		Pending
3/18/20	PO-011256	27918	-Sanchez	CMH Homes, Inc.		Active
3/30/20	PO-011257	27919	Thomas	Laura		Active
4/6/20	PO-011258	27920	Rodorte	Karla		Active
4/6/20	PO-011259	27921	Cook	Jack		Active
4/7/20	PO-011260	27922	Ubernosky	Melvin		Active
4/9/20	PO-011261	27924	Schwake	Michelle		Active
4/9/20	PO-011262	27926	Patton	Kimberly		Active
4/15/20	PO-011263	27927	Christianson	Brian		Pending
4/20/20	PO-011264	27928	Vantroostenbergh	Anthony		Pending

**Table 2 Exempt Drilling Registrations Issued During 2021 Calendar Year** Page 2

Well Date	Well District Id	Well	Owner Last Name	Owner First	Owner Company	Well Status
4/29/20	PO-011267	27931	Kovar	Jacob		Pending
5/1/20	PO-011268	27932	McClain	Kevin & Christina		Pending
5/6/20	PO-011270	27933	Cardenas	Fernando		Pending
5/11/20	PO-011271	27934	Spaulding	Andrew Lewis		Active
5/11/20	PO-011272	27935	Evans	Danial William		Active
5/20/20	PO-011274	27937	Flisowski	Donny		Active
5/22/20	PO-011275	27938	Soto	Rosabelia		Active
5/22/20	PO-011276	27939	Guerrero	Alejandro		Active
5/27/20	PO-011277	27940	Kovar	Jo Ann		Pending
6/5/20	PO-011278	27941	Garcia	Gerardo		Pending
6/9/20	PO-011280	27942	Wilson	Randy		Active
6/12/20	PO-011281	27943	Garcia	Gerardo		Pending
6/12/20	PO-011282	27944	Pittman	Samuel		Pending
6/15/20	PO-011283	27945	Plocheck	Charles & Reecie		Active
6/16/20	PO-011284	27946	Eckols	Thomas		Active
6/16/20	PO-011285	27947	Steck	John		Active
6/19/20	PO-011287	27948	Stover	Dempsey		Active
6/22/20	PO-011288	27949	Zenner	Nancy		Active
6/24/20	PO-011294	27955	Zelaya	Rigoberto		Active
6/26/20	PO-011295	27956	Sheeley	Verner		Pending
6/26/20	PO-011296	27957	Ponce	Geneva		Active
6/26/20	PO-011297	27958	Payonk	Eric		Active
7/2/20	PO-011298	27959	Cross	James	James T. Cross Family Trust	Active
7/7/20	PO-011299	27960	Davis	Shannon		Active
7/10/20	PO-011300	27961	Wesneski	Steven		Pending
7/16/20	PO-011303	27963	Wright, Jr.	Gurvis		Active
7/16/20	PO-011304	27964	Schneider	Patricia		Pending
7/16/20	PO-011305	27965	Ruesing	Mary Lou		Pending
7/17/20	PO-011306	27966	Hester	Doc	Sweet Home Baptist Church	Active
7/22/20	PO-011307	27967	Scheffel	Jason		Pending
7/22/20	PO-011309	27969	Lopez	Jessica		Active
7/22/20	PO-011310	27970	Edwards	Rebecca		Active
7/22/20	PO-011311	27971	Batterton	James		Active
7/22/20	PO-011312	27972	Aguirre	Amando		Active
7/22/20	PO-011313	27973	Gilliam	George		Pending
7/22/20	PO-011314	27974	Lowery	Ross		Active
7/22/20	PO-011315	27975	Keagy	Charles		Active
7/28/20	PO-011316	27976	Winot	Micheal		Active
7/29/20	PO-011317	27977	Kapavik	Ronald		Active
7/30/20	PO-011318	27978	Wilkerson	Vernon		Pending
8/7/20	PO-011319	27979	Griffith	James & Lillie		Active
8/7/20	PO-011320	27980	Lewis	Christopher		Active
8/7/20	PO-011321	27981	Dubose	Christopher		Pending
8/7/20	PO-011322	27982	Espinoza	Raul		Active
8/7/20	PO-011323	27983	Zinn	Vanessa		Pending
8/10/20	PO-011324	27984	Hooper	Andrew L.		Active
8/12/20	PO-011325	27985	Moore	Stephanie		Active
8/13/20	PO-011326	27986	Kavanaugh	Ross		Pending
8/14/20	PO-011327	27987	Carrizales	Bruce		Active
8/26/20	PO-011329	27990	Macune	Wiley Ray		Active
8/26/20	PO-011330	27991	Perry	Jeffery		Active
8/28/20	PO-011334	27992	Martinez Munoz	Ricardo		Pending
8/28/20	PO-011335	27993	Torres	Patricia A.		Active
8/31/20	PO-011336	27994	Burley	Aaron		Active
9/1/20	PO-011337	27995	Lahr	Darrin J.		Active

**Table 2 Exempt Drilling Registrations Issued During 2021 Calendar Year**

Well Date	Well District Id	Well	Owner Last Name	Owner First	Owner Company	Well Status
9/1/20	PO-011338	27996	Locke	Steven K.		Active
9/1/20	PO-011340	27997	Land	Kabb		Pending
9/2/20	PO-011343	28001	Robinson	Kevin R.		Active
9/8/20	PO-011346	28004	White	LaNae		Active
9/10/20	PO-011347	28005			Hart Mountain Ranch	Pending
9/10/20	PO-011348	28006			Hart Mountain Ranch	Pending
9/14/20	PO-011349	28007	Myers	Paul		Active
9/14/20	PO-011350	28008	Knesek	Grace		Active
9/18/20	PO-011351	28009	Henry	John		Active
9/18/20	PO-011352	28010	Rice	Don	Sara V. Rice Family Trust	Active
9/21/20	PO-011353	28011	Sowders	Virginia Rathjen		Pending
9/28/20	PO-011357	28013	Charanza	Sylvester		Active
9/28/20	PO-011358	28014			Triple Z Homes, LLC	Active
9/28/20	PO-011359	28015			Triple Z Homes, LLC	Active
10/1/20	PO-011360	28016	Courtney	Stephen		Active
10/1/20	PO-011361	28017	Groce	Trent Jeffrey		Pending
10/7/20	PO-011362	28018	Carlson, Jr.	Adrian		Active
10/14/20	PO-011365	28022	Carlson, Jr.	Adrian		Pending
10/14/20	PO-011366	28023	Wiggins	Aubra		Active
10/14/20	PO-011367	28024	Groce	Chad		Pending
10/15/20	PO-011368	28025	Lazo	Kristin		Active
10/15/20	PO-011369	28026	Deal	Jerry		Active
10/16/20	PO-011370	28027	Stanford	Gena		Active
10/21/20	PO-011372	28028	Cowan	Sandra		Active
10/22/20	PO-011373	28029	Willard III	John William		Active
10/26/20	PO-011376	28032	Cilny	Kathy		Active
10/27/20	PO-011379	28033	Escobar	Francisco		Active
10/28/20	PO-011380	28034	Kuty	Lee		Active
10/28/20	PO-011382	28037	Wilkins	Tom		Active
10/30/20	PO-011383	28039			Chihal Family LLC	Active
10/30/20	PO-011385	28041	Sanchez	Kayleen		Active
11/3/20	PO-011390	28043	Ausley	Terry		Active
11/3/20	PO-011391	28044	Ausley	Terry		Active
11/3/20	PO-011392	28045	Scarmardo	Pete A.		Active
11/9/20	PO-011395	28047	Shumate	David & Vanessa		Pending
11/9/20	PO-011396	28048	Tribout	Shae & Mark		Pending
11/18/20	PO-011397	28049	Cadan	Craig		Active
11/20/20	PO-011398	28050	Mittelstaedt	Judy Kubena		Active
11/20/20	PO-011399	28051	Minatrea	John Daniel		Pending
11/23/20	PO-011400	28052	Mangu	Whitney Ndangu		Pending
11/23/20	PO-011403	28053	Stanley	Elvin & Tamara		Active
11/25/20	PO-011404	28055	Luprete, Jr.	Joseph		Pending
11/25/20	PO-011405	28056	Smith	Stephen		Active
12/2/20	PO-011406	28057	Gary	Tom		Active
12/7/20	PO-011407	28058	Marty	Kent		Active
12/9/20	PO-011408	28059	Brechbuhler	Kenton		Pending
12/11/20	PO-011410	28060	Rosene	Matthew		Active
12/11/20	PO-011411	28061	Stanley	Elvin & Tamara		Active
12/17/20	PO-011413	28063	Marciano	Christopher		Active
12/21/20	PO-011414	28065	Wenske	Charles		Active
12/23/20	PO-011416	28067	Bonorden	Gay		Pending
12/23/20	PO-011417	28068	Colburn	Jon		Active
12/23/20	PO-011418	28069	Dusek	Sherry		Active
12/29/20	PO-011419	28070	Olson	Scott		Active



**Table 4 District Monitoring Wells Measured**

Well District Id	Well	Well Owner Company	Well Owner First	Well Owner Last	Well	Well	Well Aquifer
PO-000020	5917505		Clifford	Garner	427.31	540	Simsboro
PO-000025	5917409	City of Rockdale			515.5	391	Hooper
PO-000026	5917103		Mary Jane Boyd /	Boyd	456.97	410	Hooper
PO-000053	5909901		Richard	Frock	428.03	169	Simsboro
PO-000059	5911402		Harold	Lange	425.96	323	Calvert Bluff
PO-000073	5910907		Willard	Kornegay	378.05	440	Calvert Bluff
PO-000084	5919302		James	Ayers	338.48	45	Queen City
PO-000099	5925508		Larry N.	Sexton	407.55	520	Calvert Bluff
PO-000107	5925102	Noack Family Partnership,			418.69	860	Simsboro
PO-000115	5917715		L.B.	Kubiak	464.91	152	Simsboro
PO-000118	5917705		Jim	Key	490.52	326	Simsboro
PO-000121	5917714	City of Rockdale			470.62	380	Hooper
PO-000138	5917713	City of Rockdale			483.42	408	Hooper
PO-000170	5824914	Rockdale ISD			493.85	243	Hooper
PO-000186	5909701	Minerva Water Supply			421.25	218	Hooper
PO-000221	5909605	Marlow WSC			421.25	580	Hooper
PO-000223	5902706	North Milam WSC			358.44	315	Hooper
PO-000234	5902309		Wendy	Breck	298.86	417	Simsboro
PO-000236	5902307		Joe	Castillo	415.89	450	Simsboro
PO-000256	5902901	North Milam WSC			368.46	318	Calvert Bluff
PO-000268	5832101		Wayne	Diver	476.91	60	Simsboro
PO-000308	5927716		R. B.	Wilkens	451.13	400	Queen City
PO-000337	5927701		Mrs. Viola	Davis	408.46	750	Queen City
PO-000341	5927606		Gerald	Steck	393.77	600	Queen City
PO-000433	5920410	Milano WSC			298.2	920	Carrizo
PO-000457	5919502	Milano WSC			462.64	1966	Simsboro
PO-000475	5926803		George	Sears	443.2	887	Carrizo
PO-000495	5926906	Cade Lakes WSC			423.75	1197	Calvert Bluff
PO-000518	5927204		Michael & Shelley	Doyle	306.81	205	Queen City
PO-000579	5937611		Camilla J.	Godfrey	234.14	240	Yegua - Jackson
PO-000596	5937329	Finley Company			214.77	58	Brazos River Alluvium
PO-000618	5937109		Randy	Rychlik	249.1	266	Yegua - Jackson
PO-000638	5937101	Snook Well #1			235.87	1600	Sparta
PO-000661	5936802	Lyons Water Supply			347.73	1609	Sparta
PO-000691	5938709	Clay Water Supply			266.28	513	Yegua - Jackson
PO-000698	5943608	Birch Creek Rec. Inc.			277.14	533	Yegua - Jackson
PO-000787	5938701		Kent	Schwartz	204.72	56	Brazos River Alluvium
PO-000791	5935208		Juanita	Amidon	374.01	364	Sparta
PO-000859	5929456		Marion J.	Malazzo	229.22	60	Brazos River Alluvium
PO-000860	5929457		Marion J.	Malazzo	229.53	60	Brazos River Alluvium
PO-000877	5928619	Tunis Water Supply			264.76	780	Sparta
PO-000894	5928601	Katherine Edwards etal.			241.14	58	Brazos River Alluvium
PO-000895	5928702		Jacob	Kovar	343.09	498	Sparta
PO-000943	5934106		Nathan	Ausley	442.85	840	Carrizo
PO-001023	5929537	Texas A & M University			222.98	1090	Sparta
PO-001061	5934608	Deanville Water Supply			425.98	810	Queen City
PO-001062	5918101	Milano WSC			565.67	790	Simsboro
PO-001063	5918104	Milano WSC			556.68	800	Calvert Bluff
PO-001064	5918908	Milano WSC			511.28	1687	Simsboro
PO-001066	5918705	Milano WSC			574.7	813	Carrizo
PO-001074	5927506	City of Caldwell			352.16	1252	Carrizo
PO-001075	5927717	City of Caldwell			432.2	1303	Carrizo
PO-001076	5927714	City of Caldwell			428.52	1314	Carrizo
PO-001077	5927803	City of Caldwell			324.57	1210	Carrizo
PO-001082	5911703	Gause Water Supply			361.02	992	Simsboro
PO-001109	0	Southwest Milam Water			455.62	1030	Simsboro
PO-001110	5824611	Southwest Milam Water			494.62	485	Hooper
PO-001111	5917803	Southwest Milam Water			486.95	1000	Simsboro
PO-001112	5917606	Southwest Milam Water			507.33	598	Calvert Bluff
PO-001117	5917712	City of Rockdale			460.24	475	Hooper

**Table 4 District Monitoring Wells Measured**

Well District Id	Well	Well Owner Company	Well Owner First	Well Owner Last	Well	Well	Well Aquifer
PO-001118	5917711	City of Rockdale			467.19	463	Hooper
PO-001120	5928105	Cooks Point Water Supply			350.21	1252	Carrizo
PO-001166	5929410		Holland	Porter	225.51	71	Brazos River Alluvium
PO-001197	5934107		Nathan C.	Ausley	443.6	370	Queen City
PO-001327	0		Leroy	Schaefer	383.75	500	Carrizo
PO-001328	0		Todd	Hendrex	374.92	467	Carrizo
PO-001342	0		Darryl	Moore	552.47	890	Carrizo
PO-001343	0		Michael	Conner	431.87	455	Calvert Bluff
PO-001390	0	C-J Stone Ranch, LP	Charles	Stone	515.04	1120	Calvert Bluff
PO-001450	5832304	Alcoa Inc./Lee Young			433.64	271	Simsboro
PO-001486	0		J.T.	Talley	458.01	182	Simsboro
PO-001505	0		V.C.	Ansley	552.87	120	Simsboro
PO-001573	5934601	Deanville Water Supply			380.73	784	Queen City
PO-001575	5927718	Deanville Water Supply			450.56	1300	Carrizo
PO-001628	0		James & Lillie	Griffith	454.64	446	Calvert Bluff
PO-001786	0		Steve & Shana	Weaver	418.73	436	Calvert Bluff
PO-001789	5911403		Terry and Sheryl	Hall	451.93	515	Calvert Bluff
PO-001883	5832704		Martin	Hobbs	479.79	180	Simsboro
PO-001947	0		Alan	Gardenhire	492.4	390	Hooper
PO-001983	0		Kent	Givens	535.54	490	Hooper
PO-001990	0		Roy	Simpson	484.1	288	Calvert Bluff
PO-002014	5839303	Jordan Estate			480.31	182	Simsboro
PO-002061	0		Odell	Washington	354.25	360	Hooper
PO-002078	0		James	Goodson	416.71	460	Hooper
PO-002152	5925409		Glynn	Phillips	465.16	480	Calvert Bluff
PO-002153	5925410		Mickey	Exner	447.36	690	Calvert Bluff
PO-002173	5925103		Leon	Noack	418.57	420	Calvert Bluff
PO-002191	5917716		L.B.	Kubiak	463.65	520	Hooper
PO-002204	0		Robert & Natalie	Sibole	487.32	750	Hooper
PO-002205	0		Jim	Eanes	455.38	130	Simsboro
PO-002217	0		Gene	Rek	472.54	938	Hooper
PO-002355	0		Linda Kay	McBride	384.03	514	Calvert Bluff
PO-002419	0		John L.	Fisher	509.61	562	Calvert Bluff
PO-002423	5902904		Gary and Deryl	Emola	405.93	240	Simsboro
PO-002537	0		Victor	Svetlik	526.68	510	Hooper
PO-002538	5824915		Janet	Staub/ Rogers	456.39	188	Simsboro
PO-002556	0		Victor	Svetlik	526.68	431	Hooper
PO-002659	0		Jim & Mary L.	Waldson	483.92	470	Calvert Bluff
PO-003129	0		Brady	McManus	380.38	650	Sparta
PO-003430	0		Kenneth	Key	357.72	360	Carrizo
PO-003440	5925901		Linda	Garrison	337.59	312	Carrizo
PO-003444	0	Boys & Girls Country of			350.48	492	Carrizo
PO-004459	0		Patrick	Gibbons	407.94	400	Carrizo
PO-004968	0		Kenneth D.	Goetsch	454.54	160	Queen City
PO-004976	0		Ernest and Kerri	Ofczarzak	372.12	1057	Carrizo
PO-005109	0	New Tabor Brethren Church			416.59	1235	Carrizo
PO-005113	0		Albert	Surovik	384.16	1235	Carrizo
PO-005228	0		Sandra	Morton Sacher	425.62	295	Carrizo
PO-005231	0	Molle Collina Fattoria, LLC			479.07	915	Carrizo
PO-005261	0		Chuck	Anderson	283.65	354	Queen City
PO-005486	0		Daniel L.	Alford	421.1	199	Queen City
PO-005767	0		Matt	Eichinger	414.27	500	Carrizo
PO-005810	0		Kennard	Morton	425.85	358	Carrizo
PO-005816	0		Johnny	Morton	433.29	338	Carrizo
PO-005817	0		Kenneth	Eichinger	450.5	486	Carrizo
PO-005899	0		Amy Hinnant	Jurica	364.99	300	Sparta
PO-006090	0		Kenton D.	Lilie	383.15	620	Queen City
PO-006145	5927611		Alvin J.	Kutach	397.32	770	Queen City
PO-006153	0		Andrea B.	Taylor	418.02	620	Queen City
PO-006243	5925502		Birdie	Kristoff	420.88	614	Calvert Bluff
PO-006305	5832908		Brenda	McDaniel	434.24	344	Calvert Bluff

Table 4 District Monitoring Wells Measured

Page 3

Well District Id	Well	Well Owner Company	Well Owner First	Well Owner Last	Well	Well	Well Aquifer
PO-008322	0		Eduardo and Maureen	Ramirez	436.9	640	Carrizo
PO-008326	0		Edward	Lewis	462.01	980	Carrizo
PO-008388	5943104		Wayne	Edwards	323.41	3988	Simsboro
PO-008415	5929433	Porter FLP			231.41	59	Brazos River Alluvium
PO-008420	0	Somerville ISD			249.87	197	Yegua - Jackson
PO-008449	5943312	Burleson County MUD No.1			324.8	362	Yegua - Jackson
PO-008451	5925408		Ralph & Dorothy	Eubank	380.98	690	Calvert Bluff
PO-008456	5936210	Tunis WSC			361.67	1038	Sparta
PO-008658	5910706		David	Smith	449.8	528	Simsboro
PO-008668			Don	Groom	487.66	722	Reklaw
PO-008678	5943305	Burleson County MUD No.1			284.48	367	Yegua - Jackson
PO-008680	5943304	Burleson County MUD No.1			306.04	370	Yegua - Jackson
PO-008767	5934108		Terry	Ausley	410.72	2230	Simsboro
PO-008772			Douglas R. and	Van Meter	364.37	120	Hooper
PO-008787			John	Faske	537.7	480	Hooper
PO-008794			Allen & Lauren	Watson	470.88	760	Carrizo
PO-008795			Douglas R. and	Van Meter	376.06	279	Hooper
PO-008802			Brian G.	Rok	413.03	700	Queen City
PO-008805			Patricia A.	Lynch	492.79	863	Carrizo
PO-008823			Presley & Margaret	Yarbrough	377.34	570	Calvert Bluff
PO-008826			John	Russell	498.51	860	Carrizo
PO-008840			Kenneth & Carla	Rhodes	485.18	420	Calvert Bluff
PO-008845			Larry G.	Hein	427.32	700	Queen City
PO-008865			Billy D.	Ogea	412.35	160	Hooper
PO-008907			Robert Glenn	Cochran	355.63	900	Queen City
PO-008913		Lockhart Family Holdings			350.53	709	Carrizo
PO-008922			Jerry T.	Rogers	479.75	1000	Carrizo
PO-008923			John	Russell	487.6	780	Carrizo
PO-008935	5901904		Donald R.	Schuerman	388.83	80	Hooper
PO-008945			Norman	Koch	460.9	465	Calvert Bluff
PO-008956			Kendall	Sawyers	412.34	940	Carrizo
PO-008959	5918602		John	Pruett	437.94	810	Calvert Bluff
PO-008964		BROWN LIVING TRUST	Linda	Brown	393.68	500	Carrizo
PO-008965			Paul A.	Wright	480.08	600	Carrizo
PO-008971			Paul A.	Jenkins	362.04	840	Calvert Bluff
PO-009004			Jeff	Howell	495.41	280	Calvert Bluff
PO-009064		Royalty Pecan Farms			241.71	3096	Simsboro
PO-009067			Daniel	Tucker	471	970	Carrizo
PO-009094			Douglas R. and	Van Meter	377.81	300	Hooper
PO-009095	5910707		David	Smith	422.59	580	Simsboro
PO-009101			Thomas A.	Tietjen	360.57	440	Sparta
PO-009104	5928342		Larry David	Hodges	243.7	380	Sparta
PO-009125			Deborah L.	Sears	409.93	920	Carrizo
PO-009135			Diana	Balch	360.55	480	Carrizo
PO-009157	5936809	Burleson County Pct. 4			299.43	592	Yegua - Jackson
PO-009162			Douglas R. and	Van Meter	401.23	265	Hooper
PO-009166	5918108	Post Oak Savannah GCD			505.76	1240	Simsboro
PO-009167	5918109	Post Oak Savannah GCD			505.28	140	Carrizo
PO-009189			Buster	Lewis	461.68	2299	Calvert Bluff
PO-009210			Adolph R.	Kazmir	321.24	512	Queen City
PO-009215			Linda	Garrison	389.81	2724	Simsboro
PO-009230			David	Pawlowski	525.71	1720	Simsboro
PO-009327	5901905		Donny & Naomi	White	364.54	140	Hooper
PO-009332			James	Peoples	495.53	850	Carrizo
PO-009346			David & Irma H.	Hancock	392.88	80	Queen City
PO-009369			Charles A.	Hoppe	428.82	320	Carrizo
PO-009372	5925906		David & Irma H.	Hancock	418.3	120	Queen City
PO-009387			William D.	Briggs	364.19	580	Reklaw
PO-009404			Richard & Joan D.	Ramsey	313.12	520	Sparta
PO-009431			Daniel L.	Alford	384.48	820	Carrizo
PO-009434			Howard	Putz	459.61	635	Carrizo



**Table 4 District Monitoring Wells Measured**

Well District Id	Well	Well Owner Company	Well Owner First	Well Owner Last	Well	Well	Well Aquifer
PO-008322	0		Eduardo and Maureen	Ramirez	436.9	640	Carrizo
PO-008326	0		Edward	Lewis	462.01	980	Carrizo
PO-008388	5943104		Wayne	Edwards	323.41	3988	Simsboro
PO-008415	5929433	Porter FLP			231.41	59	Brazos River Alluvium
PO-008420	0	Somerville ISD			249.87	197	Yegua - Jackson
PO-008449	5943312	Burleson County MUD No.1			324.8	362	Yegua - Jackson
PO-008451	5925408		Ralph & Dorothy	Eubank	380.98	690	Calvert Bluff
PO-008456	5936210	Tunis WSC			361.67	1038	Sparta
PO-008658	5910706		David	Smith	449.8	528	Simsboro
PO-008668			Don	Groom	487.66	722	Reklaw
PO-008678	5943305	Burleson County MUD No.1			284.48	367	Yegua - Jackson
PO-008680	5943304	Burleson County MUD No.1			306.04	370	Yegua - Jackson
PO-008767	5934108		Terry	Ausley	410.72	2230	Simsboro
PO-008772			Douglas R. and	Van Meter	364.37	120	Hooper
PO-008787			John	Faske	537.7	480	Hooper
PO-008794			Allen & Lauren	Watson	470.88	760	Carrizo
PO-008795			Douglas R. and	Van Meter	376.06	279	Hooper
PO-008802			Brian G.	Rok	413.03	700	Queen City
PO-008805			Patricia A.	Lynch	492.79	863	Carrizo
PO-008823			Presley & Margaret	Yarbrough	377.34	570	Calvert Bluff
PO-008826			John	Russell	498.51	860	Carrizo
PO-008840			Kenneth & Carla	Rhodes	485.18	420	Calvert Bluff
PO-008845			Larry G.	Hein	427.32	700	Queen City
PO-008865			Billy D.	Ogea	412.35	160	Hooper
PO-008907			Robert Glenn	Cochran	355.63	900	Queen City
PO-008913		Lockhart Family Holdings			350.53	709	Carrizo
PO-008922			Jerry T.	Rogers	479.75	1000	Carrizo
PO-008923			John	Russell	487.6	780	Carrizo
PO-008935	5901904		Donald R.	Schuerman	388.83	80	Hooper
PO-008945			Norman	Koch	460.9	465	Calvert Bluff
PO-008956			Kendall	Sawyers	412.34	940	Carrizo
PO-008959	5918602		John	Pruett	437.94	810	Calvert Bluff
PO-008964		BROWN LIVING TRUST	Linda	Brown	393.68	500	Carrizo
PO-008965			Paul A.	Wright	480.08	600	Carrizo
PO-008971			Paul A.	Jenkins	362.04	840	Calvert Bluff
PO-009004			Jeff	Howell	495.41	280	Calvert Bluff
PO-009064		Royalty Pecan Farms			241.71	3096	Simsboro
PO-009067			Daniel	Tucker	471	970	Carrizo
PO-009094			Douglas R. and	Van Meter	377.81	300	Hooper
PO-009095	5910707		David	Smith	422.59	580	Simsboro
PO-009101			Thomas A.	Tietjen	360.57	440	Sparta
PO-009104	5928342		Larry David	Hodges	243.7	380	Sparta
PO-009125			Deborah L.	Sears	409.93	920	Carrizo
PO-009135			Diana	Balch	360.55	480	Carrizo
PO-009157	5936809	Burleson County Pct. 4			299.43	592	Yegua - Jackson
PO-009162			Douglas R. and	Van Meter	401.23	265	Hooper
PO-009166	5918108	Post Oak Savannah GCD			505.76	1240	Simsboro
PO-009167	5918109	Post Oak Savannah GCD			505.28	140	Carrizo
PO-009189			Buster	Lewis	461.68	2299	Calvert Bluff
PO-009210			Adolph R.	Kazmir	321.24	512	Queen City
PO-009215			Linda	Garrison	389.81	2724	Simsboro
PO-009230			David	Pawlowski	525.71	1720	Simsboro
PO-009327	5901905		Donny & Naomi	White	364.54	140	Hooper
PO-009332			James	Peoples	495.53	850	Carrizo
PO-009346			David & Irma H.	Hancock	392.88	80	Queen City
PO-009369			Charles A.	Hoppe	428.82	320	Carrizo
PO-009372	5925906		David & Irma H.	Hancock	418.3	120	Queen City
PO-009387			William D.	Briggs	364.19	580	Reklaw
PO-009404			Richard & Joan D.	Ramsey	313.12	520	Sparta
PO-009431			Daniel L.	Alford	384.48	820	Carrizo
PO-009434			Howard	Putz	459.61	635	Carrizo

**Table 4 District Monitoring Wells Measured**

Page 5

Well District Id	Well	Well Owner Company	Well Owner First	Well Owner Last	Well	Well	Well Aquifer
PO-009445	5934609	Burleson County Pct 1			361.58	400	Sparta
PO-009446			Walter	Wentzel	417.45	2350	Simsboro
PO-009453			Greg	Brinkley	502.08	440	Hooper
PO-009467			Michael	Conner	440.98	290	Calvert Bluff
PO-009468			Myron	Ely	327.95	470	Carrizo
PO-009475			Lon A.	Williams	504.03	685	Carrizo
PO-009477			Teresa	Brinkman	354.88	520	Sparta
PO-009480			Melvin	Hirt	545.18	235	Simsboro
PO-009486			John & Sherry	Adams	363.24	630	Sparta
PO-009487			Richard H.	Griffith	473.56	151	Hooper
PO-009493			Tim	Arledge	288.85	270	Carrizo
PO-009495			Brad	Lispcomb	477.74	320	Simsboro
PO-009497			Casa	McKibben	379.24	135	Simsboro
PO-009498		RNR, LLC	Brian	Malone	467.39	383	Calvert Bluff
PO-009540			Gerald	Briggs	482.22	440	Calvert Bluff
PO-009545		Post Oak Savannah GCD			441.74	160	Simsboro
PO-009551		Post Oak Savannah GCD			411.15	180	Calvert Bluff
PO-009552			Chad	Baldwin	456.04	460	Calvert Bluff
PO-009553		Post Oak Savannah GCD			436.6	218	Hooper
PO-009555		Post Oak Savannah GCD			436.67	110	Hooper
PO-009556			Ray	Fox	407.22	120	Hooper
PO-009559			Ronald	Coleman	464.15	700	Calvert Bluff
PO-009570			Lillian	Clark	443.23	620	Carrizo
PO-009572		Chihal Family LLC			463.94	780	Carrizo
PO-009588		Luminant			555.05	499	Simsboro
PO-009597			Marie (Cain)	Richards	443.04	134	Simsboro
PO-009601			Paul	Lancaster	463.27	544	Simsboro
PO-009604			Ronald	Coleman	450.85	680	Calvert Bluff
PO-009606			Sharon (Sorenson)	Roelse	446.75	255	Simsboro
PO-009609			Pamela	Perry	392.29	420	Carrizo
PO-009651		Somerville ISD			249.43	770	Yegua - Jackson
PO-009706		City of Rockdale			470.82	420	Simsboro
PO-009707		Royalty Pecan Farms			470.82	870	Queen City
PO-009708		Central Texas Regional Water Supply Corporation			358.15	504	Queen City
PO-009709		Central Texas Regional Water Supply Corporation			362.53	455	Queen City
PO-009710		Central Texas Regional Water Supply Corporation			312.56	499	Queen City
PO-009716	5917510		Randy	Clanton	450.21	418	Calvert Bluff
PO-009745	5824916		Martha	Bocanegra	495.75	157	Simsboro
PO-009748		Sandow Power LLC			438.51	300	Simsboro
PO-009749	5840704		Brian A.	Turner	401.92	454	Simsboro
PO-009751			David and Glenda	Cork	422.08	620	Calvert Bluff
PO-009752			Nancy	Soechting	451.85	435	Calvert Bluff
PO-009753			Kenneth	Biehle	493.3	185	Simsboro
PO-009754	5832706		Weldon & Maurita L.	Smith	476.04	123	Calvert Bluff
PO-009755	5917411		Annette	Leach	430.77	113	Simsboro
PO-009765			Lula J.	Howard	509.5	604	Carrizo
PO-009767			Frank	Lopez	356.51	688	Calvert Bluff
PO-009768			Rick	Henry	374.35	314	Simsboro
PO-009769	5925512		Emory	Crump	395.99	734	Calvert Bluff
PO-009770	5839510		Carolyn Kay	Hortenstine	531.55	138	Simsboro
PO-009774			Darren K.	Broesche	377.93	347	Queen City
PO-009781		Harlin Chapel Baptist			445.44	140	Hooper
PO-009787			William	Behler	438.04	675	Carrizo
PO-009806			Douglas R. and	Van Meter	372.22	108	Hooper
PO-009807			Terry	Ausley	412.91	875	Carrizo
PO-009808			Clinton and Lyndi	Sanders	367.13	151.6	Hooper
PO-009812			Dock	Hester	293.97	260	Yegua - Jackson
PO-009824			Dominic	Izzo	377.77	460	Simsboro

**Table 4 District Monitoring Wells Measured**

Well District Id	Well	Well Owner Company	Well Owner First	Well Owner Last	Well	Well	Well Aquifer
PO-010881			Richard & Joan D.	Ramsey	292.28	228	Yegua - Jackson
PO-010899	5920409		L. C.	Hall, Sr	297.25	230	Queen City
PO-010921			Dennis L	Havemann	335.2	400	Yegua - Jackson
PO-010924		O'Brien Family Living Trust	Bill	O'Brien	302.09	350	Yegua - Jackson
PO-010937	5911607		Tim	Arledge	304.33	276	Carrizo
PO-010952			David	Haley	389.89	500	Carrizo
PO-010967			William	Newton	382.08	560	Carrizo
PO-010970			J.W.	Zalmanek	371.6	990	Carrizo
PO-010971		Central Texas Regional Water Supply Corporation			342.24	461	Queen City
PO-010979			Darrell	Perrard	399	446	Carrizo
PO-011022			Richard	Hager	239.52	570	Yegua - Jackson
PO-011032		Milano WSC			575.42	1744	Simsboro
PO-011118			James	Rinker	475.91	2742	Hooper
PO-011143			Donald	Travis	526.74	165	Simsboro
PO-011234		Chesapeake Operating, LLC			398.96	300	Sparta
PO-011279		Chesapeake Operating, LLC			418.47	1244	Carrizo
PO-011283			Charles & Reecie	Plocheck	441.29	440	Hooper
PO-011306		Sweet Home Baptist	Doc	Hester	289.43		Yegua - Jackson
PO-011356			Terral (Terry) & Shawn	Roberts	488	415	Hooper
PO-011370			Gena	Stanford	415.05		Carrizo
PO-011373			John William	Willard III	351.32	500	Carrizo
PO-011376			Kathy	Cilny	382.33	253	Reklaw
PO-011380			Lee	Kuty	451.68	520	Carrizo
PO-011383		Chihal Family LLC			473.2	740	Carrizo
PO-011384			Donald	Reid	426.19		Carrizo
PO-011385			Kayleen	Sanchez	369.62		Carrizo
PO-011387		Chesapeake Operating, LLC			323.2	1500	Carrizo
PO-011388		Chesapeake Operating, LLC			366.45	1505	Carrizo
PO-011389		Chesapeake Operating, LLC			364.46	1500	Carrizo
PO-011401		Chesapeake Operating, LLC			412.62	580	Queen City
PO-011402		Chesapeake Operating, LLC			411.72	1000	Carrizo
PO-011409		Noack Family Partnership,			348.02	1966	Simsboro
PO-011423			Sandra	Morton Sacher	391.21	1200	Calvert Bluff
PO-011435			Kenneth	Key	399.95	420	Carrizo
PO-011447			Chad Lee	Clark	475.31	550	Hooper
PO-011457			John	Morrison III	411.3		Hooper
PO-011489		Lockhart Family Holdings			354.53	710	Carrizo
PO-011519			Joey	Vychopen	332.17	1962	Carrizo
PO-011520		Chesapeake Operating, LLC			314.03	1520	Carrizo
PO-011521		Chesapeake Operating, LLC			283.37	1024	Carrizo
PO-011522		Chesapeake Operating, LLC			302.16	1004	Carrizo
PO-011523		Chesapeake Operating, LLC			302.25	1004	Carrizo
PO-011524		Chesapeake Operating, LLC			313.68	2665	Simsboro
PO-011547			Satish Narasimhalu	Naido	475.63	690	Simsboro
PO-011549			James	Chaloupka	336.14	116	Sparta
PO-011551			Jeff	Howell	493	300	Calvert Bluff
PO-011553			Brian	Limoges	484.62	270	Calvert Bluff
PO-011565		A Ranch	Thomas (Skip)	Avara	398.97	2029	Simsboro
PO-011566		Wildhorse Resource Management Co, LLC			342.5	1235	Carrizo
PO-011568		Wildhorse Resource Management Co, LLC			341.87	1235	Carrizo
PO-011621		Jay Don Watson Trust			343.35	2120	Simsboro
PO-011622		Jay Don Watson Trust			306.75	980	Carrizo
PO-011623			Charles W.	Swisher	510.34	55	Calvert Bluff
PO-011636			John	Faske			Hooper
PO-011640			Lynn	Thompson			
PO-011641			Bonnie/Curtis	Blue	453.61		
PO-011642			Tina	Smith	354.03		
PO-011650			Juliee & Randall	Segert	396.9	965	Calvert Bluff



**Table 5****2021 WELL PLUGGING GRANT PROGRAM**

<b>02/01/2021</b>	<b>Brien Water Wells</b>	<b>Well Plugging</b>	<b>\$ 947.43</b>
<b>04/27/2021</b>	<b>Brien Water Wells</b>	<b>Well Plugging</b>	<b>\$ 786.60</b>
<b>09/08/2021</b>	<b>Brien Water Wells</b>	<b>Well Plugging</b>	<b>\$ 428.18</b>
<b>09/29/2021</b>	<b>Craig Scarmardo</b>	<b>Well Plugging</b>	<b>\$1,742.00</b>
<b>12/22/2021</b>	<b>Brien Water Wells</b>	<b>Well Plugging</b>	<b>\$1,500.00</b>
		<b>Total</b>	<b>\$5,404.21</b>

**Table 6 Summary Report of POSGCD GWAP SUMMARY 2021**

1/6/21 Brien Water Wells (C)	PO-001342	Moore Well	Carrizo	\$	487.50	Change well seal
1/11/21 Loehr Dilling	PO-006405	Normal Feil	Carrizo	\$	450.00	
1/12/21 NATHAN AUSLEY	PO-000943	GWAP Reimbursement	Carrizo	\$	5,303.63	Reimburse previous expenses by owner
1/12/21 Brien Water Wells (C)	PO-008913	GWAP-Leo Lockhart	Carrizo	\$	630.00	Attempt to pull pump
1/19/21 Loehr Dilling	PO-009032	GWAP - Joe Trimm	Carrizo	\$	5,306.55	
1/20/21 Bill Seidel	PO-008024	GWAP - Mary McKisson	Carrizo	\$	847.33	Reimburse previous expenses by owner
1/21/21 Iselts Pump Shop	PO-009242	GWAP - Doug Willard	Carrizo	\$	4,239.00	
1/25/21 Loehr Dilling	PO-005231	GWAP - Mike Patrenella	Carrizo	\$	6,212.65	
1/28/21 Siegert Water Wells Plugging	PO-008964	GWAP - Dean Brown	Carrizo	\$	4,411.30	
1/28/21 Brien Water Wells (C)	PO-008913	GWAP - Leo Lockhart	Carrizo	\$	1,423.76	Plugging of old/damaged well
1/29/21 Robert Lewis	PO-008668	GWAP Well Work	Carrizo	\$	3,773.73	Reimburse previous expenses by owner
2/1/21 Loehr Dilling	PO-008326	GWAP - Ed Lewis	Carrizo	\$	4,783.41	
2/2/21 Brien Water Wells (C)	PO-011435	Kenneth Key - GWAP	Carrizo	\$	4,124.69	
2/5/21 Loehr Dilling	PO-009067	Dan Tucker	Carrizo	\$	6,316.80	
2/9/21 Brien Water Wells (C)	PO-008913	Leo Larkhart Well - GWAP	Carrizo	\$	21,596.09	Drill new well
2/26/21 Loehr Dilling	PO-006815	GWAP - Garland Jaecks	Carrizo	\$	5,432.69	
2/28/21 J&S Water Wells-V	PO-001120	Cooks Point - Gwap	Carrizo	\$	4,540.00	
3/1/21 Reliant Drilling	PO-010967	GWAP Bill Newton Well	Carrizo	\$	4,320.12	
3/4/21 Brien Water Wells (C)	PO-011435	Kenneth Key Rewire	Carrizo	\$	225.00	Wire an installed pump
4/16/21 Brien Water Wells (C)	PO-011383	GWAP Dr. Chihal	Carrizo	\$	23,488.67	Drill new well
4/22/21 Loehr Dilling	PO-011380	GWAP - Lee Kutty	Carrizo	\$	5,417.20	
4/27/21 Brien Water Wells (C)	PO-001331	M&B Real Estate - GWAP	Carrizo	\$	1,000.00	Pull pump
4/28/21 Brien Water Wells (C)	PO-005767	GWAP - Matt Eichinger	Carrizo	\$	4,300.49	
4/29/21 Brien Water Wells (C)	PO-010979	GWAP - Darrel Perrard - Vista Ridge	Carrizo	\$	4,073.74	
4/29/21 Brien Water Wells (C)	PO-004459	GWAP - Patrick Gibbons	Carrizo	\$	4,466.29	
5/5/21 Siegert Water Wells	PO-008271	GWAP - G.W. Russell	Carrizo	\$	5,648.52	
5/12/21 Loehr Dilling	PO-005817	GWAP - Kenneth Eichinger	Carrizo	\$	5,293.14	
5/12/21 Loehr Dilling	PO-001331	GWAP - M&B Real Estate	Carrizo	\$	4,459.65	Install and lower new pump
5/20/21 Brien Water Wells (C)	PO-009125	GWAP - George Sears	Carrizo	\$	5,661.61	
5/26/21 Iselts Pump Shop	PO-005816	GWAP - Johnny Morton	Carrizo	\$	5,661.00	
5/28/21 Brien Water Wells (C)	PO-009570	GWAP - Lillian Clark	Carrizo	\$	4,406.06	
6/2/21 Iselts Pump Shop	PO-007765	GWAP - Williard Ranch	Carrizo	\$	4,762.00	
6/16/21 Brien Water Wells (C)	PO-005821	GWAP - Mr. Sears	Carrizo	\$	4,875.00	
6/16/21 Brien Water Wells (C)	PO-006658	GWAP - George Sears 3"	Carrizo	\$	1,516.96	
6/22/21 Iselts Pump Shop	PO-003444	GWAP - Boys & Girls Country CR 323	Carrizo	\$	4,537.00	
6/29/21 Bilski Water Wells	PO-004976	GWAP - Kerri Ofczarzak	Carrizo	\$	1,426.84	Reimburse previous expenses by owner
7/18/21 Siegert Water Wells	PO-008965	GWAP - Paul Wright	Carrizo	\$	6,808.01	
8/12/21 Loehr Dilling	PO-009135	GWAP - Diana Balch - Rework	Carrizo	\$	5,140.45	lower pump 2nd attempt
8/25/21 Loehr Dilling	PO-009787	GWAP - Bill Behler	Carrizo	\$	5,920.70	
8/25/21 Loehr Dilling	PO-006551	GWAP - Kerri Ofczarzak - WL2	Carrizo	\$	5,688.75	
8/31/21 Iselts Pump Shop	PO-008956	GWAP - Lauren Sawyer	Carrizo	\$	9,830.00	
9/8/21 Loehr Dilling	PO-004976	GWAP - Kerri Ofczarzak - Barn	Carrizo	\$	5,169.46	
10/8/21 Loehr Dilling	PO-007393	GWAP - Rob Pavlas	Carrizo	\$	4,767.72	
10/6/21 Loehr Dilling	PO-011170	GWAP - Randy Billinger	Carrizo	\$	6,533.87	
11/1/21 Brien Water Wells (C)	PO-005810	GWAP - Kennard Morton	Carrizo	\$	3,958.16	
11/1/21 Brien Water Wells (C)	PO-008805	GWAP - Patty Lynch	Carrizo	\$	4,718.84	

	2020	2021 to Date	December 2021
Wells Inspected	47	39	1
Wells Serviced	24	36	0
Total POSGCD Spent	\$76,161	\$233,954	\$0
Total Reimbursed to POSGCD From Vista Ridge & I-130 Projects	\$17,653	\$95,025	\$0

**Total Expense-to-Date including Science and Well Service under GWAP is \$381,413**

## Table 7 **Fines**

**Enforcement actions during 2021 resulted in 5 fines levied by administrative actions for violations of the District's Rules for a total of \$47,500. For additional information please contact the District offices.**



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**POSGCD**