

# Recharge

Your Groundwater Resource



Winter 2018  
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## Well Monitoring with Telemetry

POSGCD is charged with monitoring the health of the aquifers in our District from the "Shallow Sands" to the "Deep Water" portions of the aquifers. The southeast 2/3 of Milam County is in the recharge zone of the Carizzo-Wilcox Aquifers. This is the unconfined zone of the Aquifer, the shallow area.

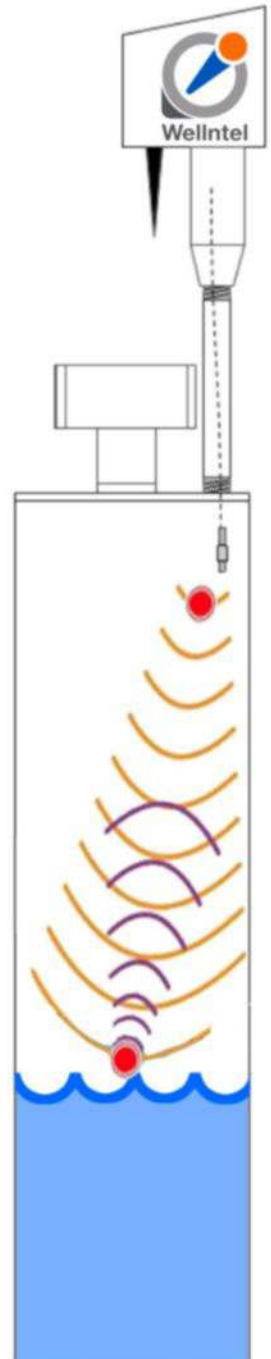
Well Monitoring is one of the most important tools Post Oak Savannah Groundwater Conservation District has to track the health of the Aquifers. At the present time the District has over 200 Monitor Wells across the two counties which include Rural Water Suppliers, landowner exempt wells, and wells the 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.

Ralph Sifuentes, POSGCD Field Technician, measures most 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.**

New for this year, we are implementing a patented, next-generation, acoustic measurement technology. These include remote telemetry, and a cloud platform to collect accurate and reliable groundwater level measurements. We also make that information to the owner of the well so they can also track their water levels.

The Telemetry Monitor systems takes water level measurements every hour. If a well pump is running at the time of measurement, the reading is identified as for pump-influenced and can be



WellIntel works off sound waves. Nothing is inside your well touching the water.

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# Post Oak Savannah Aquifer Conservancy Program Right On Schedule

## TIMELINE FOR THE AQUIFER CONSERVANCY PROGRAM

Timeline is tentative and changes to the schedule are possible as we continue to prepare to fully launch in January 2020.



The final steps are being taken to ensure the **Aquifer Conservancy Program** has met all the necessary criteria and is fully prepared to launch on time, as shown in the time line on the left. The Post Oak Savannah Aquifer Conservancy Program, ACP, is a ground breaking concept in groundwater conservation. In a little over a year, the Board went from conception to the first sign ups for the program that will begin on June 1, 2019.

Participants will receive a signing incentive next year and their first conservation check after the close of the 2020. In the mean time, there are lots of things you can do to conserve water like collecting rainwater, install water saving shower-heads, and ultra-low-flush toilets, etc. Also, commit your water rights, to the Aquifer Conservancy Program!

## Become an ACP Ambassador

We are currently planning meetings to prepare our citizen Ambassadors that represent the program and serve as a point of contact for our individual communities. These volunteer representatives will participate in an orientation to become more familiar with the program details and provide them with the most up-to-date information to help answer questions for neighbors in their areas.

The purpose of ACP is:

- Empower landowners through stewardship.
- Conserve groundwater for future generations
- Establish a legacy of conservation
- Compliment current sustainable practices
- Add a long-term tool to POSGCD toolbox of management strategies provided by state law.

If you would like to help by spreading the word about this incredible opportunity, please consider becoming an ACP Ambassador.

For more information about the program and becoming an ACP Ambassador, visit the District's website at [www.posgcd.org](http://www.posgcd.org) or email us at [admin@posgcd.org](mailto:admin@posgcd.org)

I SUPPORT THE



## POSGCD Education Program

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.

Post Oak Savannah GCD also offers informational presentations to the community and organizations within the District.

We are always excited to come speak and give presentations for citizens of the District. If you would like for us to come speak about groundwater, water conservation, or on any of our programs, contact us at our office. Call at (512) 455-9900 or email at [admin@posgcd.org](mailto:admin@posgcd.org) to schedule a presentation with Doug Box our Education Coordinator.



# Well Monitoring with Telemetry cont.

excluded or included in future analysis. While the shallow parts of the Carizzo-Wilcox aquifers are found in the southeast part of Milam County, these aquifers dip quickly as they extend towards the Texas Gulf Coast.

This next-generation acoustic technology enables continuous timed water-level measurement without physically touching the water in your well, making it easier to analyze pumping impacts and seasonal trends. This is especially important on private land where we can collect frequent data and be less invasive on the property.

The District has eight major and minor aquifers under the ground. The confined part of the Carizzo-Wilcox are the deep aquifers in the Burleson County area which are 1,500-2,500 feet deep. Most of the Exempt (personal) wells in those areas are in the shallower Minor Aquifers and are separated from the Carizzo-Wilcox aquifers by several other formations.

We want to insure landowners in our District that they will have water in their wells for decades to come. One of the best way to understand what is happening in the aquifers is to measure the water levels on a regular basis.

We are always looking for additional new Monitoring Wells for our network. If you would like to volunteer to have your well added to our system, call our off at 512-455-9900 or email us at [admin@posgcd.org](mailto:admin@posgcd.org)

## Ask Us Anything

In a recent survey about our E-Newsletter, we received dozens of questions about the District. We have created a new informational, open forum, called "ASK US ANYTHING". Email your questions to [questions@posgcd.org](mailto:questions@posgcd.org) and we will answer them in our E-Newsletter and on our Facebook page. If you want to receive our monthly e-Newsletter, text POSGCD to 22828. The system will text you back to ask for your email address.



Jaclyn Robertson

## POSGCD HAS TWO INTERNS

**Jaclyn Robertson** is a military spouse with six years experience as a semi-professional mover and acronym translator. She is a recent graduate of Texas A&M University with a double major in Renewable Natural Resources and Forestry, strongly grounded in stewardship and committed to sustainable management of natural resources. Jaclyn's internship is served assisting Doug Box with outreach efforts; primarily developing content for social media, written releases and publisher of the e-Newsletter, "The Underground". Jaclyn is thankful to be working with POSGCD to conserve and protect the land resources that have supported her family's Milam County farm and ranch for over 100 years.



Laurence Lin

**Laurence Lin** is from Cypress, Texas, studying Renewable Natural Resources at Texas A&M University for a May 2019 graduation. He found an interest in water resources when selected for an internship within the City of Irving's Water Utilities. When he's not in class or working at POSGCD, he can be found outdoors hunting or fishing. Laurence's internship is served assisting Bobby Bazan with Inputting and correcting the thousands of well records in the Districts' database. This will allow for more accurate searches when looking for well records.

## RAINWATER HARVEST CLASS

**Rainwater Harvesting 101 Workshop, March 22, 2019, 1 – 4 PM at the District office in Milano.** Come learn the basics of rainwater harvesting and how you can install your own system at home! Attendees will qualify for the POSGCD Rainwater Harvest Grant. Join us on [date] for our FREE workshop to learn the basics in Rainwater Harvesting 101! More information about the Grant Program can be found on our website at: <https://posgcd.org/grant-programs/>



## IRRIGATION CLASS

**This class will be on Saturday, March 2, 2019 from 9:00 am to 12:00 pm.** Learn how to maximize water conservation through water management and save money on water usage. You will also learn how to add automatic irrigation to your Rainwater Harvest system.



Post Oak Savannah Groundwater Conservation District  
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### POSGCD SOCIAL:

 @PostOakSavannahGCD  @POSGCD



Let's chat!

Phone: 512.455.9900

Email: [admin@posgcd.org](mailto:admin@posgcd.org)

Visit our website for more information:

[www.posgcd.org](http://www.posgcd.org)

Look for our next  
newsletter in Fall 2018

### upcoming events

**January 8th**

POSGCD Board Meeting

**February 5th**

POSGCD Board Meeting

**March 2nd**

Irrigation Alternatives for the Rainfall Harvester Class

**March 5nd**

POSGCD Board Meeting

**March 22nd**

Rainwater Harvesting Class

Groundwater conservation districts are the state's preferred method of groundwater management through rules developed, adopted and promulgated by a district.  
**Texas Water Code, Sec. 36.0015**

## Board of Directors

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Durwood Tucker

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Bob Wilson

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Gary Westbrook, General Manager

Elaine Gerren, Administrative Assistant

Bobby Bazan, Water Resource Specialist

Doug Box, Education Coordinator

Ralph Sifuentes, Field Technician

### Are we providing information you need?

The district staff want to know what information you would like to see in this newsletter. Please contact us at 512.455.9900 or [admin@posgcd.org](mailto:admin@posgcd.org) to let us know how we can better serve you.



POSGCD was created to conserve and regulate the use of groundwater through monitoring of aquifer levels and production and encourage conservation rules which limit pumping, thereby extending the quantity and quality of the water available in all of the aquifers in Milam and Burleson counties. POSGCD is a member of the Texas Alliance of Groundwater Districts (TAGD).