



The Witte Museum Center for Rivers & Aquifers

The Witte Museum has a new vision - The Center for Rivers and Aquifers. Expanding on the current theme of where "Nature, Science, and Culture meet, through the lens of Texas Deep Time, with themes of Land, Sky and Water" this new permanent installation will tell the story of watersheds, aquifers, and rivers of Texas. The goal of this project is to tell the story of water by creating a dynamic experience that will educate and inspire people of all ages for generations to come. GCGCD was recently asked to participate in this amazing project, offering input to the content and exhibition designs. We look forward to our continued work with the Witte and support all efforts in education and protection of our finite resource – Water. For more information – visit the Witte Museum website.



WWW.GCGCD.ORG



Visit our website for more information!

GCGCD NEWS



SPRING 2018 Newsletter

Spring

IN THIS ISSUE

Witte Museum -	pg. 1
Rainfall -	pg. 2
Update POCG -	pg. 3
DFC Monitor wells -	pg. 4
Wilcox permits -	pg. 4
Aquifer Levels –	pg. 5
Production –	pg. 5
Webinar –	pg. 6
Creek Clean Up -	pg. 7
Upcoming Events -	pg. 8
Just for FUN –	pg. 8

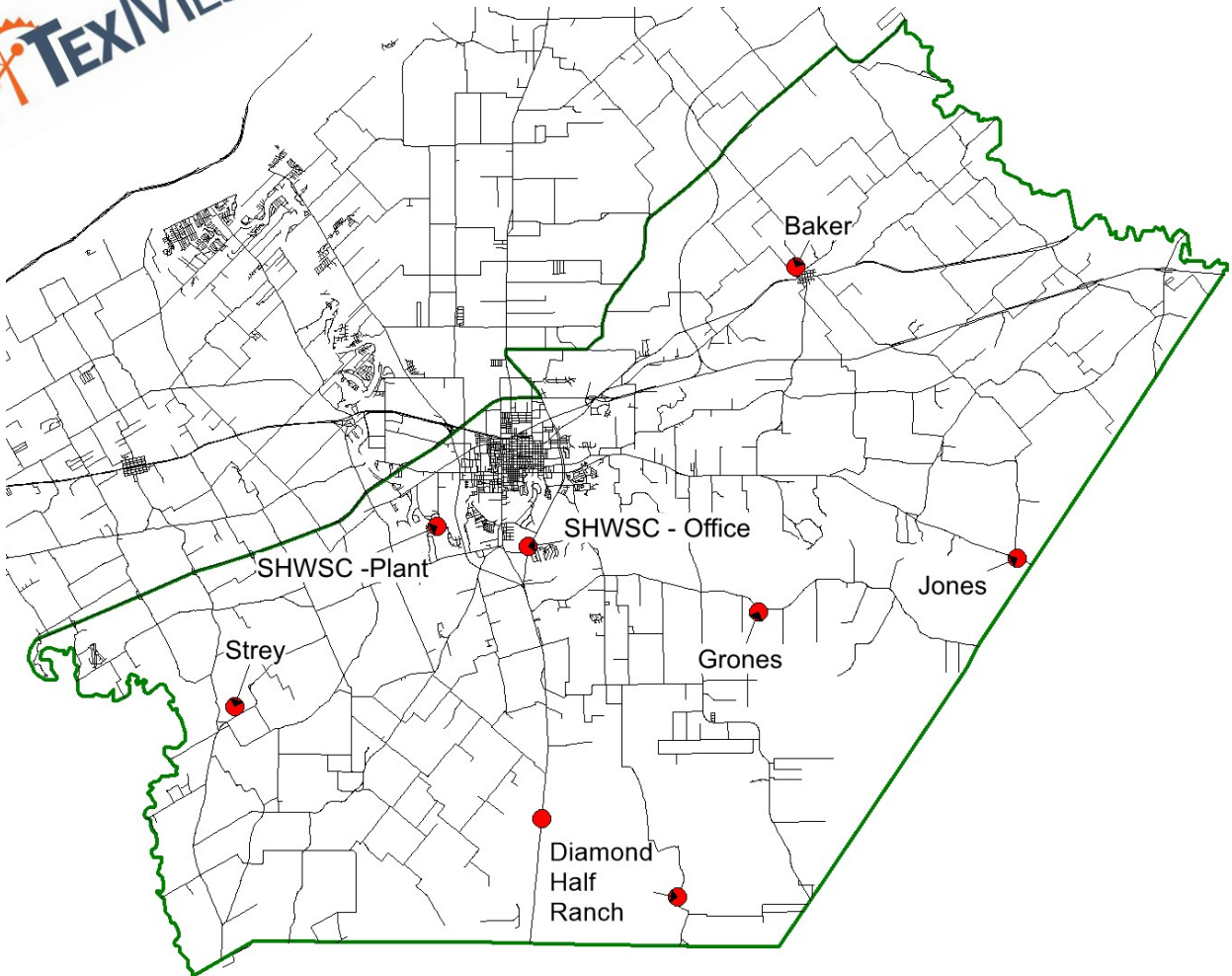
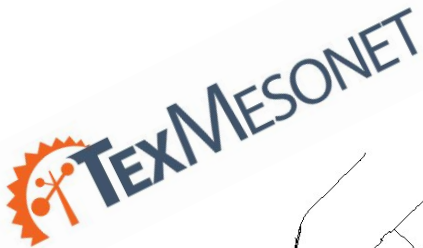




SPRING RAINFALL

2018 District Rainfall
Total so far -
5.74"

GCGCD Rainfall 2018			
Location	Jan	Feb	Mar
Baker - TexMesonet	n/a	1.28	5.33
Diamond Half Ranch	0.45	1.34	2.91
Grones - TexMesonet	0.25	1.89	3.74
Jones - TexMesonet	0.20	0.68	4.30
Kallis Ranch Hwy 90 A	0.34	0.71	6.43
SHWSC Office - TexMesonet	0.03	0.79	4.64
SHWSC Plant - TexMesonet	0.15	1.10	3.25
Strey - TexMesonet	0.46	1.15	4.20
Monthly Avg across GCGCD	0.27	1.12	4.35



Update on GCGCD vs. Post Oak Clean Green

SOAH DOCKET NO. 582-15-2498 TCEQ DOCKET NO. 2012-0905-MSW

SPOD and SSLGC responded to closing arguments (filed March 9, 2018). The issues of Bird Strikes, Operating Hours, Geology & Groundwater, and Well Plugging were all addressed. Below is an excerpt of the Conclusion.

“Even after having been provided a second bite at the apple, Post Oak’s application remains deficient. The evidence presented at the remand hearing demonstrates that the location for this proposed landfill is a poor one. It is too close to the USAF auxiliary base and presents risks of bird strikes, endangering the lives of training pilots and the residents who live nearby. It sits atop an important aquifer recharge and overlies complex subsurface geology that Post Oak has not fully evaluated and does not fully understand. The presence of old oil and gas wells – wells that remain unknown because they have not been recorded – provide additional risks of contamination of groundwater in the aquifer beneath the site. Post Oak also failed to acknowledge the seasonal highwater elevation, and therefore failed to design the landfill in accordance with TCEQ rules, exacerbating the risks to the groundwater in the area. All of these unique land use conditions, coupled with Post Oak’s failure to respect and comply with TCEQ’s regulations, render the site unsuitable for a landfill.”

STATUS – Awaiting decision.



April 24, 9 AM Austin, Texas

The [Environmental Regulation Committee](#) of the Texas House of Representatives will have an interim hearing where they will take up the issue of landfill permitting in Texas. GCGCD attorney Marisa Perales will give testimony in hopes that it will be included in a report that could help set the agenda for legislation in the 2019 session next year. GCGCD will be there in support of our Rule 8.1 *“In no event may waste or sludge be permitted to be applied in any manner in any outcrop area of any aquifer within the Guadalupe County Groundwater Conservation District.”*

The District has reached out to local officials in an effort to gain additional support.

Desired Future Condition (DFC) Monitoring Well Program

Cooperative project with GCUWCD and GCGCD to site wells along the Carrizo outcrop. First well of project completed in Guadalupe County! GCGCD would like to say -

*A Very Special Thank You to
The Flying W Properties, LTD*



Fence being built around Monitor Well – Flying W site



Photo courtesy of The Fountainhead - TGWA

Groundwater Science Division of Texas Ground Water Association

Kelley Vickers of GCGCD
Secretary/Treasure TGWA

Not a member TGWA?
Click icon to Join today!



Newly Permitted Wilcox Irrigation Wells



Ullrich	20 AF
Hubertus	10 AF
Dietert	150 AF

If you have an unpermitted irrigation well – NOW is the time to contact the District! GCGCD is currently accepting applications for existing wells drilled without a valid permit. You MUST have a valid permit to produce water from an irrigation well.

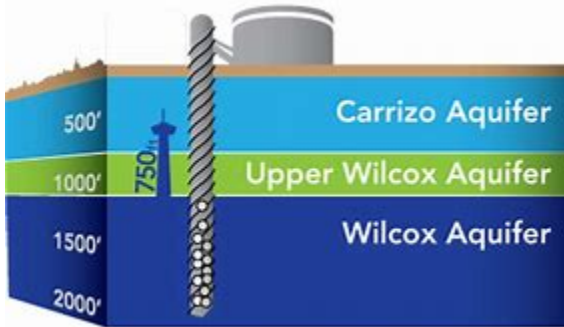
To get your well compliant with District Rules and State Law- Contact the District TODAY!

We will work with you and help you through the application process 😊

For more information visit our website:

<http://gcgcd.org/permits.html> or call 830-379-5969

GCGCD Water Levels



For the period January 2017 – January 2018

January 2018 Summary of Aquifer Level Report

Water levels in the Carrizo aquifer have declined a little less than 2 feet (average of 9 wells) in Guadalupe County which is to be expected. The largest Carrizo measured water level declines were in the CRWA and SSLGC areas. Wilcox aquifer water levels continue to be up slightly for the above period of time. Small to moderate long-term water level declines in the Carrizo aquifer are expected over time because of SSLGC, SAWS, SHWSC and CRWA well fields in Guadalupe and Gonzales Counties.

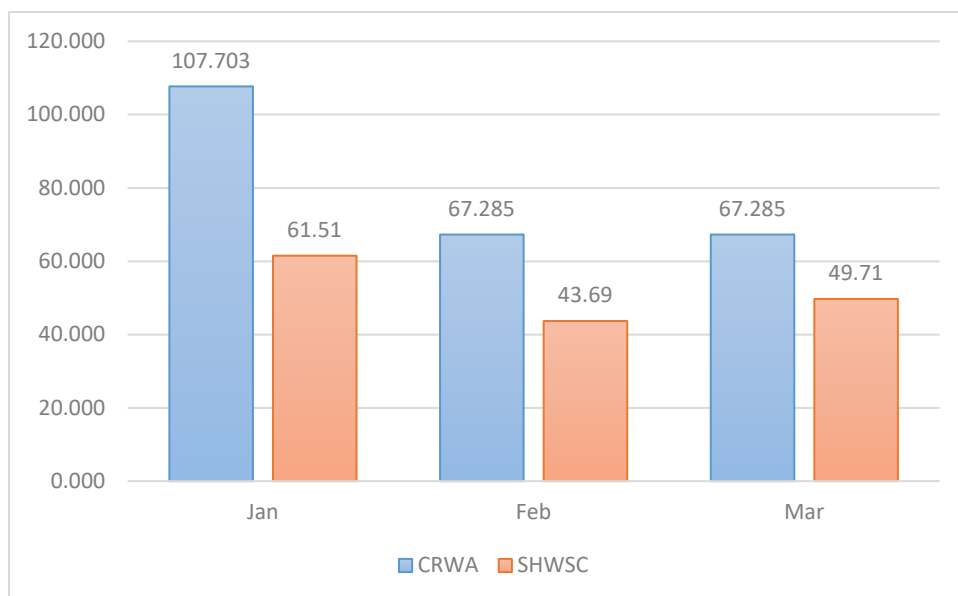
William B. Klemt, P.G.

WILCOX AQUIFER PRODUCTION



Permitted amount: 2,603.415 AF/YR
Percent Used as of March 2018: **9.3%**

2018 GCGCD **CARRIZO** AQUIFER PRODUCTION DATA (acre feet)





The Texas Well Owner Network (TWON) program is an educational training offered by the Texas A&M AgriLife Extension Service in cooperation with the Texas State Soil and Water Conservation Board (TSSWCB) and other partner agencies and organizations. The TWON program is for Texas residents who depend on household wells for their drinking water needs. Well owners who want to become familiar with Texas' groundwater sources, water quality, water treatment, and well maintenance issues should [join TWON network](#) or view upcoming [Well Informed screenings](#) and [Well Educated training courses](#).

Upcoming Webinars offered by Texas Well Owner Network



Is My Water Safe to Drink? - Common Questions about Private Wells

Tuesday, May 15, 2018 at 1PM CT

Hosted by PrivateWellClass.org

In this **FREE** 90-minute webinar training hosted by the Private Well Class you'll learn the basics of well care to protect you and your family's health. Topics covered include how to get your well water tested, what you need to do to take care of your well, and if your well is susceptible to contamination.

[Register for Webinar](#)



Geronimo and Alligator Creeks Watershed Partnership



The 6th Annual Geronimo and Alligator Creeks Clean Up was another great success! In the past five years, over **15,000 pounds** of trash have been removed from the creeks!

This year a portion of Geronimo Creek was replanted with native vegetation – part of Texas A&M research project focused on decreasing effects of erosion.

Thank you to Texas A&M AgriLife Extension for organizing this event and everyone who braved the cold weather to volunteer their time and efforts in cleaning up our creeks & watershed.

Once again, GCGCD is proud to sponsor this great cause!

If you missed out on the Clean Up – Here's another opportunity to help learn ways to Improve Geronimo & Alligator Creeks

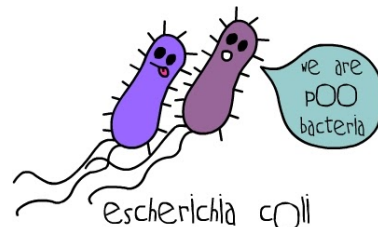
Best Management Practices to Reduce Bacteria Contamination from Cattle, Horses and Feral Hogs

May 24th Guadalupe County Extension Office

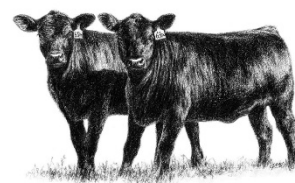
210 E. Live Oak St. Seguin

10:00 – 3:00 PM IT'S FREE!

[Download FLYER](#)



escherichia coli



UPCOMING EVENTS –

- April 23rd TDLR Strategic Planning Sessions – Wyndham Garden Hotel, Austin, TX
May 4th TGWA Board Meeting – Embassy Suites, San Marcos, TX @ 1:00 PM
May 10th GCGCD board Meeting – GVEC Community Room, 927 N. Hwy 46 Seguin @ 4:30 pm
May 24th Lone Star Healthy Streams: Alligator & Geronimo Creeks – 210 E. Live Oak St. Seguin
June 6th -7th American Groundwater Trust – Texas Aquifer Conference @ Omni Southpark, Austin

just FOR FUN

Word of the Day

Hyetal - adjective (hī'ī-tl)

Definition: Of or relating to Rain or Rainfall

Origin: The English adjective *hyetal* is very uncommon, used only in meteorology. From the Greek noun *hyetós* meaning "rain"; the noun *hyetía* means "rainy weather"; both nouns derive from the verb *hýein* "to rain."

Source: Dictionary.com



GCGCD Board of Directors & Staff

Ron Naumann.....President, District 1.....ronnaumann@sbcglobal.net
Jeff Schuehle.....Vice President, District 7.....jeff_schuehle@gcgcd.org
Hilmar Blumberg.....Secretary, District 2.....hilmar_blumberg@gcgcd.org
Charles J. Willmann.....Treasurer, District 5.....charlie_willmann@gcgcd.org
A. Robert Raetzsch.....District 3.....raetzsch@gcgcd.org
William Jones.....District 4.....bill_jones@gcgcd.org
Hilmar Starcke.....District 6.....hil_starcke@gcgcd.org
Kelley A. Vickers.....Executive Administrator.....kelley@gcgcd.org
William B. Klemt.....Consulting Geologist.....billklemt@gmail.com

GCGCD
PO Box 1221
Seguin, TX 78156
830-379-5969
113 S. River St. # 209
La Plaza Building
www.gcgcd.org
gcgcd@gcgcd.org