



Ribbon Cutting Ceremony at SHWSC plant – May 16, 2018

GCGCD NEWS



SUMMER 2018 Newsletter

Guadalupe County GCD Joins TexMesonet Weather Network

The Guadalupe County Groundwater Conservation District (GCGCD) has teamed up with the Texas Water Development Board (TWDB) collecting weather data in a statewide program - the TexMesonet, a network of over 2000 weather stations in Texas.

Gone are the days of driving across the District - from one rain gauge site to the next - hoping it captured last month's rain events - only to find the battery failed or a bird had made a nest. Now, thanks to TWDB - Guadalupe County GCD has caught up with technology!

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WWW.GCGCD.ORG



Visit our website for more information!

BURN BAN



Do Your Part -
Respect the Burn Ban!

Only at **9.8"** for the yearly average in GCGCD area

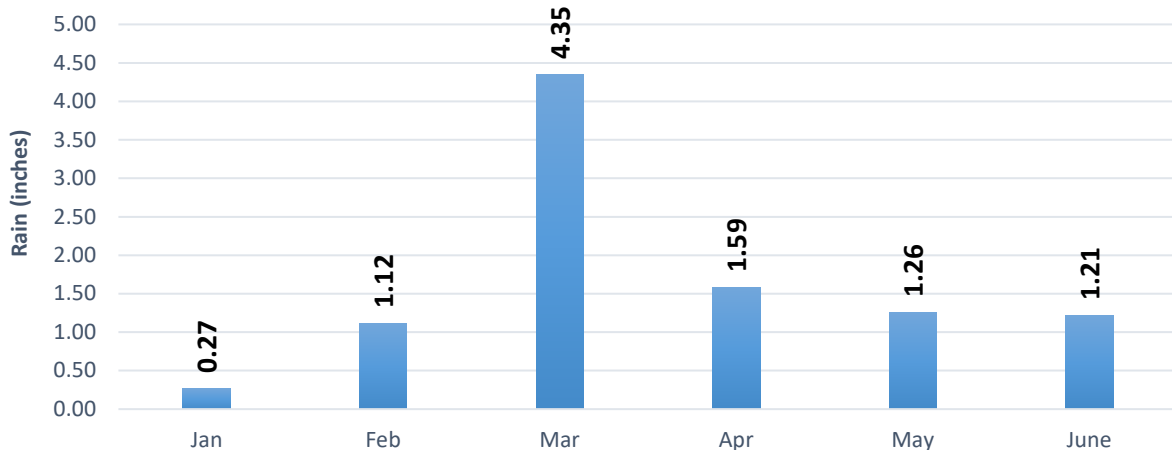
Wildfire Prevention - Be Proactive!

Tips to Protect your Home from Wildfires from [Texas A&M Forest Service](#)

- Create Defensible Space with [Firewise Landscaping](#)
 - Mow your lawn regularly
 - Trim/remove overgrown vegetation within 30 feet of your home
 - Choose Fire-Resistant Plants when designing landscaping
 - Create fuel breaks like driveways or gravel walkways
- Protect your home with Fire Resistant Material
- Improve Access for Emergency Responders



2018 Rainfall - GCGCD average



TexMesonet - Continued from page 1:

In a cost sharing program with TWDB, GCGCD has purchased and installed seven weather stations across its District. The stations monitor temperature, precipitation, wind speed and direction, relative humidity, barometric pressure, solar radiation, soil moisture and soil temperature. The systems are solar powered and self-contained. Data from the sites are streamed to a web viewer, updated every 15 minutes. This data is used by the National Weather Service (NWS), local river authorities and local emergency responders for forecasting and flood monitoring. The District is proud to be part of a project that provides a network of high quality, reliable weather data enabling individuals the opportunity to respond to changing weather situations and plan for possible future weather events.

Guadalupe County GCD, located in south central Texas (Region L / GMA 13), is one of the smaller GCDs, encompassing only 439 square miles and responsible for managing just a portion of the county. As a groundwater conservation district our mission is to protect, conserve and preserve our precious groundwater resources. Collecting rainfall data allows us to better understand and monitor the recharge of the aquifers and address potential drought conditions. From an agricultural perspective, the data can be used to maximize efficiency of irrigation, thus reducing the impact on the aquifers. The weather stations are spaced out across the District providing a wide range of coverage.



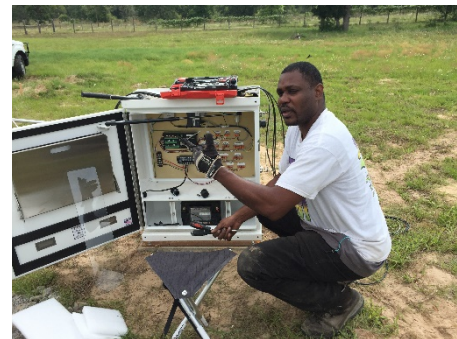
Mark Olden, Hydrologist, TWDB



Diamond Half Ranch site



Rain collection device



Dr. Leyon Greene; TexMesonet

The TexMesonet website (<https://www.texmesonet.org/>) is very user friendly. Simply click on the map and zoom in to see the area of interest. Current radar is displayed as the individual sites come into view. Layers such as river basins, major and minor aquifers, and groundwater management areas can be added by checking the boxes on the left of the screen. Click on a site and precipitation is displayed in 24, 48, 72 - hour increments. Site specific data is graphed up to a two-week period. GCGCD posts the District's monthly rainfall data by site on its website as well. Link to GCGCD rain page <http://gcgcd.org/rainfall.html>

GCGCD is so grateful to the landowners in our District who generously permitted us to locate these weather stations on their property. The cooperation of our District members, the staff of TexMesonet/TWDB and the dedication of our Board, made this project possible.

GCGCD is proud to provide our District members this service and we invite you to check out the website for accurate, up to date weather information.

Link to TexMesonet website: <https://www.texmesonet.org/>



Look for this article in the Texas Ground Water Association Q2

The Fountainhead Magazine – not a TGWA member?

Join now – click on link below:



TEXAS GROUND WATER ASSOCIATION
to develop, promote, and protect Texas ground water



Raising the tower – Kelley Vickers, GCGCD; Maureen Sanders and Dr. Leyon Greene, TexMesonet



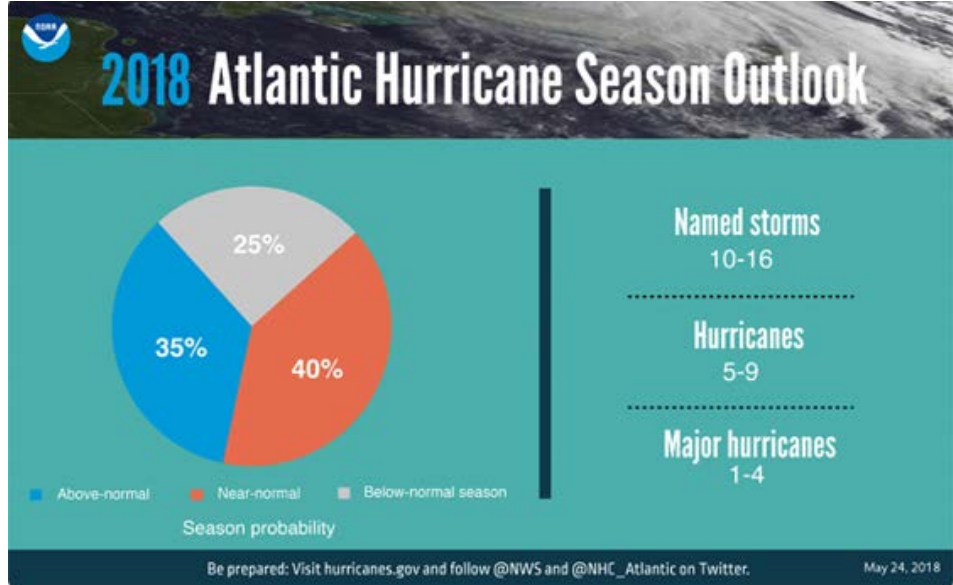
Director Kathleen Jackson, TWDB
Dr. Leyon Greene, TexMesonet
Rain collection device



Hurricane
Season

Is Here!!

Are you ready?



**2018 List of
Hurricane Names**

- Alberto
- Beryl
- Chris
- Debby
- Ernesto
- Florence
- Gordon
- Helene
- Isaac
- Joyce
- Kirk
- Leslie
- Michael
- Nadine
- Oscar
- Patty
- Rafael
- Sara
- Tony
- Valerie
- William



NATIONAL HURRICANE CENTER
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

**Homeowner Maintenance of
Septic Systems Course – FREE!**

Brought to you by Texas A&M AgriLife Extension office – The course provides a basic understanding of the operational and maintenance activities of conventional and aerobic septic systems, with focus on aerobic systems, and explains how activities within the home impact the septic system. Presentations will cover the treatment processes, health and safety considerations, an overview of how to inspect and maintain the system and goes in depth on aerobic systems and their operation and maintenance. The class will provide homeowners in Guadalupe County with the certification to maintain their own aerobic system.

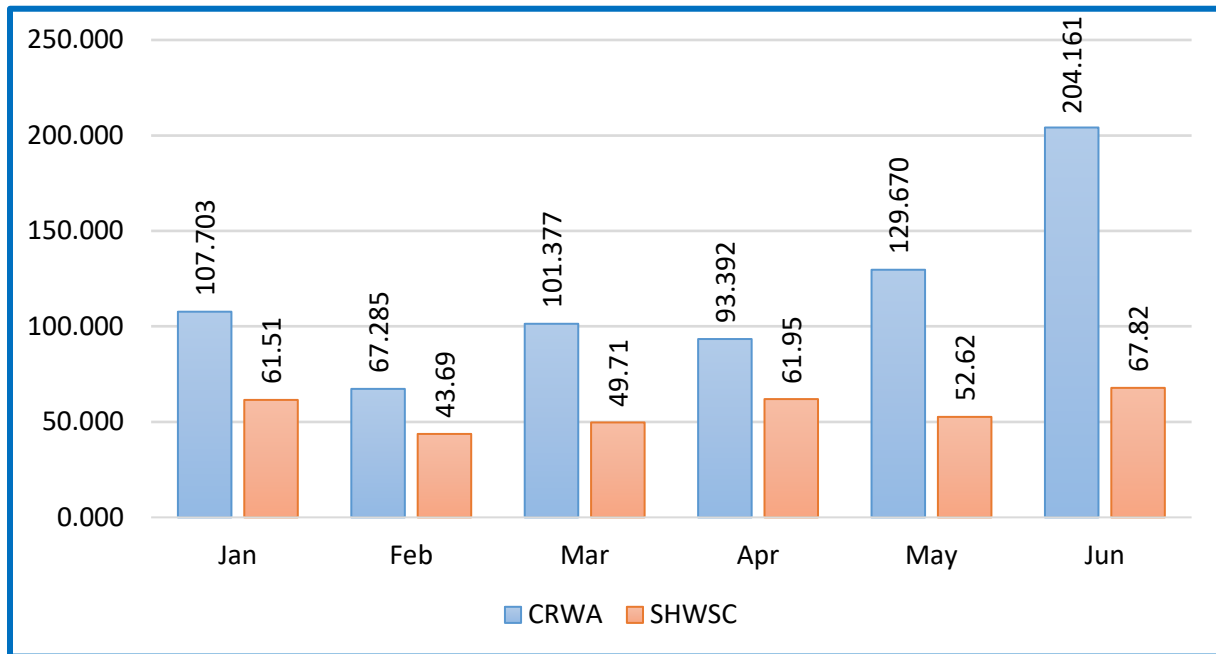
To register contact Ward Ling @ wling@tamu.edu or 979-845-6980

For more information click here -



AUGUST 9th 8:30 AM – 4:00 PM
210 E. Live Oak Street
Seguin, TX 78155

2018 Production Totals



Water Produced from the Carrizo Aquifer as reported by Canyon Regional Water Authority (CRWA) and Springs Hill Water Supply Corporation (SHWSC) for 2018

Water Levels in the Carrizo aquifer for the period of June 2017 – June 2018

Excerpts from Report by William B. Klemt, GCGCD Consulting Geologist

GCGCD water level observation wells were measured in June 2018. Ten of the current wells are completed in the Carrizo aquifer and nine in the Wilcox aquifer. Monitoring of the water-table portion of the Carrizo aquifer (outcrop) is important because one of the District's Desired Future Conditions (DFC) is based on projected water-level declines in the outcrop.

The three wells completed in the outcrop (67-27-401; 67-33-602 & 67-33-803) appear not to be affected, to a large extent, by pumpage for the above time period. The average water-level change for these wells is -0.11 feet.

The June 2017-2018 Wilcox water-level measurements for the 9 wells appears reasonable resulting in an average change of about -0.17 feet.

In summary – the water levels in the Carrizo have declined a little more than -2 feet (average of 10 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 were down slightly.


William B. Klemt, P.G.

**AUGUST
28-30**
.....
HYATT REGENCY
HILL COUNTRY
SAN ANTONIO, TX

TEXAS ALLIANCE OF GROUNDWATER DISTRICTS
TEXAS GROUNDWATER SUMMIT

7th Annual Texas Groundwater Summit - Topics at a Glance

- ❖ Political Boundaries & Aquifers
- ❖ Water Markets & Water Availability
- ❖ Optimizing the Edwards Aquifer
- ❖ Groundwater Management in Denmark
- ❖ Groundwater Management Toolbox
- ❖ Legislator Panel
- ❖ Conservation & Stewardship in Texas Groundwater
- ❖ Case Law Panel
- ❖ GCD Innovation & Inspiration: Stories from the field

REGISTER NOW



GCGCD vs. POCG Update

A Proposal for Decision and Proposed Order following Remand was mailed by the State Office of Administrative Hearings (SOAH) to the parties involved on May 15, 2018. SOAH set deadlines for exceptions and replies (after extensions granted – responses were due no later than June 14th). Now we await the decision.



SOAH Docket no. 582-15-2498 TCEQ Docket no. 2012-0905-MSW



FEATURED DISTRICT

June 2018

Groundwater Conservation District Snapshot Guadalupe County Groundwater Conservation District



**Guadalupe County
GCD**

Guadalupe County GCD has 2 staff members:
Ron Nauman, General Manager;
Kelley Vickers, Executive Administrator.

Created: 1997

Income: fees

Major Aquifers: Carrizo-Wilcox

Each Month, TAGD features a GCD to highlight aspects such as Permitting, Programs, Operations, Services, Outreach and other resources. This June, GCGCD is the TAGD Featured District!

To Learn More about GCGCD Permitting Process and District Programs

Check out the TAGD website:

<https://texasgroundwater.org/news-events/news/featured-district/>



[Third Annual #TXwindmills and #TXwatertowers Virtual Road Trip](#)

The Texas Water Development Board (TWDB), Texas Historical Commission (THC), and Texas Parks and Wildlife (TPWD) are once again looking for your photos of two iconic and important Texas water symbols that help define the story of Texas water: Windmills and Water Towers. Windmills helped populate our great state by making water available in areas not supported by rivers and springs.

To learn how to post your own Photos to Instagram – Visit TWDB site for more details.

The Virtual Tour will run from July 1 – July 31, 2018

[#txwindmills](#)

[#txwatertowers](#)

GCGCD Carrizo Aquifer

Annual Production Cap Increase

GCGCD in accordance with its Rule 5.4 (d) Carrizo Water Rights, “has the responsibility to set, and continually adjust to changing conditions, the total amount of water that may be annually withdrawn from the Carrizo aquifer within the District (the annual production cap). The relative percentage of the total amount of saturated Carrizo sand within the District which is attributed to any individual property times the annual production cap equals that individual property’s annual Carrizo water right”.

The GCGCD Board of Directors, in an open meeting held on June 14, 2018, voted to increase the Annual Production Cap from 12,580 AF/YR to

14,000 AF/YR to become effective on September 1, 2018.

The Carrizo Water Rights are posted on the District’s website:

<http://gcgcd.org/water-rights.html> and are available for download.

Questions? Email us at gcgcd@gcgcd.org

UPCOMING EVENTS –

- July 12th GCGCD Board Meeting – GVEC Community Room 927 N. Hwy 46, Seguin, TX @ 4:30 PM
- July 20th TGWA Groundwater Science Board Meeting – Embassy Suites, San Marcos @ 2 PM
- July 26th GMA 13 Meeting – EUWCD 110 Wyoming Blvd. Pleasanton @ 10 AM
- August 2nd Region L meeting – SAWS 2800 US Hwy 281 San Antonio, TX @ 9:30 AM
- August 9th Homeowner Maintenance of Septic Systems Course – 210 E. Live Oak Seguin 8:30 AM
- August 9th GCGCD Board Meeting – GVEC Community Room 927 N. Hwy 46, Seguin, TX @ 4:30 PM
- August 17th Water Well Driller Advisory Council – Austin @ 9:30 AM
- Aug. 28-30 TAGD Groundwater Summit – Hill Country Hyatt Regency Resort - San Antonio



Did you Know?

An Inch of Water Covering One Acre
(Known as an Acre-Inch) Equals 27,154 Gallons
and Weighs 113 TONS!!

Interesting.



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