

GCGCD NEWS



SUMMER 2021 Newsletter

Water Level Elevation Contour Mapping

GCGCD has been exploring additional ways to display the water level data collected by the District.

We asked Kiva Consulting to evaluate the feasibility of reproducing the hand drawn water level contour maps using GIS. Our objective would be to create computer generated water level contour maps for the Wilcox and Carrizo aquifers within the District to accompany our aquifer reports.

After evaluating numerous modeling methods and parameters, it has been determined, when using the same observation points, it is possible to approximate the hand drawn contour maps.

The surface elevations for each water level observation point were more accurately extracted from LIDAR (previously from 24k USGS topo maps).

Under the guidance of our geologist Bill Klemt, Kiva Consulting will continue to develop methodology and procedures to train District staff to create future digital contour maps using GIS in-house.

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WWW.GCGCD.ORG



Visit our website for more information!

All - I have some very sad news to share. On June 6th Ron Naumann, former President and General Manager of GCGCD - passed away.

To us, Ron was the "Founding Father" of the Guadalupe County Groundwater Conservation District.

Ron served on the GCGCD Board from Day One - when he was named as a temporary director in 1997 by our enabling legislation.

Ron will be remembered for his dedication to water conservation and commitment to the District.

He was my boss, my mentor and most importantly, my friend.

He will be missed.

Services will be held Saturday, August 21 @ 10:30 am Emanuel's Lutheran Church, Seguin.



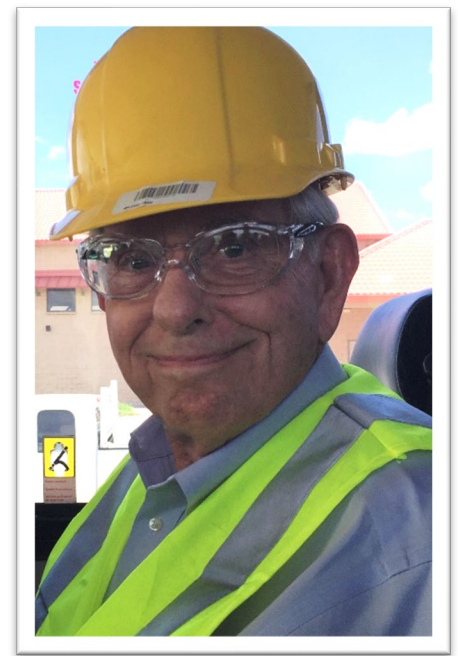
*Kelley Vickers
General Manager*



[Obituary | Ronald A. Naumann of Seguin, Texas | Tres Hewell Mortuary](#)



*Ronald A. Naumann
August 5, 1933 - June 6, 2021*



SSLGC breaks ground on Guadalupe Project



It's real.



From left to right:

Sequin City Manager - Steve Parker; SSLGC Board of Directors Vice President- David Reiley; SSLGC Board of Directors Assistant Secretary- Robin Dwyer; City of Schertz Councilmember, Place 6 Allison Heyward; City of Schertz Councilmember, Place 5 David Scagliola; City of Seguin Mayor- Donna Dodgen; SSLGC General Manager - Amber Beard; City of Schertz Mayor - Ralph Gutierrez; Former SSLGC General Manager - Alan Cockerell; SSLGC Board of Directors President- Dudley Wait; SSLGC Board of Directors Treasurer - Jack Hamlett; Schertz City Manager - Mark Browne.

SSLGC invited GCGCD to attend the groundbreaking ceremony held on May 6th marking the beginning of the Guadalupe Project.

The Guadalupe Project consists of a new 6.0 MGD water treatment plant, wellfield (with 6 wells), wellfield access roads and pipelines to carry water from each well to the new water treatment plant. This new infrastructure will allow SSLGC to develop up to 6,000 Acre Feet of water from the Carrizo and Wilcox Aquifers in Guadalupe County.

The Guadalupe Project will provide SSLGC with additional water needed to meet increasing water demands in the City of Schertz and in the future other SSLGC customers.

Water Footprint

You may have heard of the term “carbon footprint” - used to describe the amount of carbon dioxide emitted due to consumption of fossil fuels by a person or group. This same principle can be applied to water use, termed “Water Footprint”. Simply, a **Water Footprint** is the amount of water a person uses in a day. Much like a carbon footprint, each individual’s water footprint is unique!



How do you calculate your water footprint?

1. Find out your family’s water bill for the month.
2. Divide the amount used by the number of days in the month.
3. Then divide that number by the amount of people in your family.

Using your water footprint, you can plan to make your home more water efficient through simple water conservation methods and installation of efficient water fixtures.

How much can you reduce your Water Footprint?

Activity	No Efficient Water Fixtures	Efficient Water Fixtures
Brushing your teeth	3 gallons/minute (Before 1994)	2.5 gallons/minute (Newer faucet)
Washing the car	10 gallons/minute without nozzle	3 gallons/minute with nozzle
Using the dishwasher	15 gallons/minute (Before 1994)	8 gallons/minute (Newer model)
Flushing the toilet	5 gallons/minute (Before 1994)	1.6 gallons/minute (Newer model)
Taking a shower or bath	5 gallons/minute (Before 1994)	2.5 gallons/minute (Newer shower head)
Running the washing machine	40 gallons/minute (Before 1994)	25 gallons/minute (Newer efficient model)

Source: Water Education Foundation

July 8th Board Meeting

1st All In-Person Meeting in 16 Months!!



Mike Gershon & Marisa Perales



Awesome turn-out – Thanks everyone!

GCGCD Treasurer, Bill Jones taking diligent notes!



Vice-President, Jeff Schuehle listening as Bill Klemt discussed aquifer conditions after June water level measurements.



GCGCD Board enjoying some delicious BBQ after the meeting. First opportunity to socialize face to face in **over 16 months!**

GCGCD August 12th meetings will be hybrid In-Person / Zoom platform – visit our website for agendas and links

www.gcgcd.org

On July 8th, GCGCD held our first All in-person meeting since the pandemic changed how we conduct business.

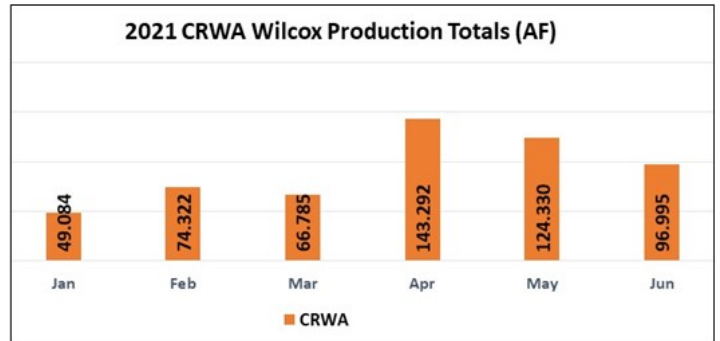
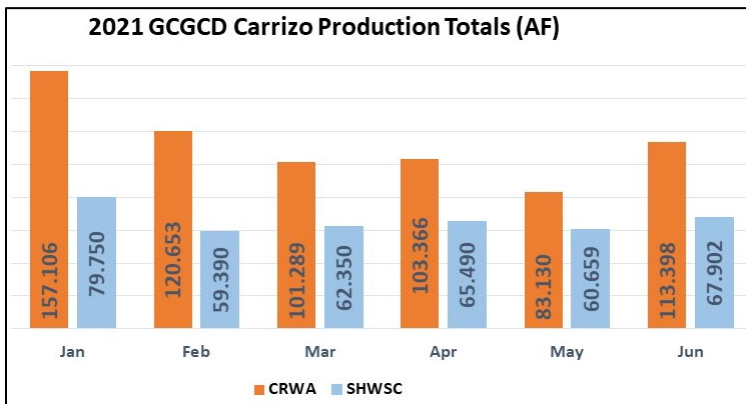
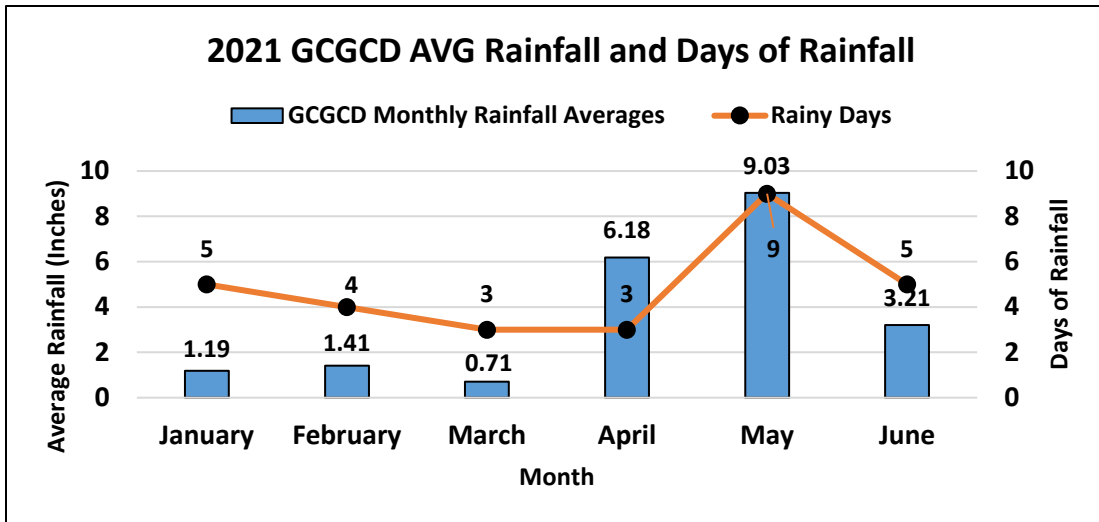
You'll remember - we relocated our office during SnowVid™? -

So, this was the first time for folks to come see our new office space!

We wanted to welcome everyone to our new office, so we hosted a

'Meet & Greet BBQ Social' after the meeting.

Thank you everyone for taking the time to join us – it was so wonderful to see everyone!



Texas Drought Water Restriction Stages

If drought conditions worsen in Texas, Public Water Systems (PWS) can limit the amount of water used by customers based on adopted Drought Contingency Plans (DCP) per Texas Water Code: Section 11.1272.

TCEQ defines water restrictions and appropriate response in three stages.

- **Stage 1 (Mild Restrictions)** - Use of water for non-essential uses is restricted (outdoor watering limited to no more than twice or once a week).
- **Stage 2 (Moderate Restrictions)** - All outdoor water usage is prohibited except by hand-held hoses with manual on/off nozzles. Water usage for livestock is exempt from this restriction.
- **Stage 3 (Severe Restrictions)** - All outdoor water usage is prohibited; livestock watering may be exempted by the utility. Consumption may also be limited to each customer in specific ways.

Updated weekly, TCEQ provides a [list of Public Water Systems](#) in Texas that have reported water restrictions in place. If you are within the service area of a local PWS, visit their website to learn the current water restrictions in your area.

List of local PWS around GCGCD:

1. Springs Hill Water Supply Corporation - [Home | Springs Hill Water Supply](#)
2. Crystal Clear Special Utility District - [Home | Crystal Clear Special Utility District \(crystalclearsud.org\)](#)
3. Schertz-Seguin Local Government Corporation - [Welcome to City of Seguin, TX \(seguintexas.gov\)](#)
4. Green Valley Special Utility District - [Green Valley SUD, TX | Official Website \(gvsud.org\)](#)

June 2021 Water Level Report

by William B. Klemt, PG



Read Full Report

Summary:

1. Short term (6/2020 – 6/2021) Carrizo water levels declined a little less than a foot
2. Long term (2013-2021) Carrizo water levels in the outcrop indicate an average decline of less than one-half foot/year
3. For the most part – Wilcox water levels remain relatively stable
4. At the present-day level of pumpage, small to moderate water-level declines are continuing
5. However, additional proposed pumpage is expected to increase the rate of Carrizo water-level decline within the District to a more moderate level



Field Technician Omar Maldonado and Geologist Bill Klemt collecting water level data with a smile 😊

Even in June temperatures!



HOBO Transducer Update

Unfortunately, we were unable to connect to the transducer at MW-CZ-3 on water level measurement day. After mobile app updates did not correct the issue - we decided to remove it and send it back to manufacture for replacement.

Still under Warranty! 👉

Replacement expected in a few weeks.



Removing the cable fun -

After all the rain that we've had recently, Nash Creek was flowing!

Omar had to hike up to the site.

He got his steps in that day for sure!

THX Omar 😊





TGWA missions

- Assist, promote, encourage, and support the interests and welfare of the water well industry, particularly within Texas;
- Foster, aid, and promote scientific education, standards, research, and techniques to improve methods of well construction and development and advance the science of groundwater hydrology;
- Promote cooperation among well contractors and governmental and scientific agencies in properly developing and protecting underground water supplies;
- Encourage improvements in drilling and pumping equipment;
- Collect, analyze, and disseminate information to the public on the role of the water well industry in the state and national economy;
- Advance the mutual interests of all engaged in the water well industry.

August 1st – 4th
[San Marcos Embassy Suites & Convention Center](#)

Register



Texas Alliance of Groundwater Districts (TAGD)

10th Annual Texas Groundwater Summit

August 31st – Sept. 2nd [Hyatt Regency Hill Country Resort](#)



Read Me!



- Keynote Speakers
- Panel Discussions
- Breakout Sessions

*A livestream option is also available for those participants that are unable to travel or uncomfortable with an in-person conference.



2022 State Water Plan – adopted by TWDB July 7, 2021

[2022 State Water Plan | Texas Water Development Board](#)

Region L Counties

The South Central Texas Regional Water Planning Group (SCTRWPG), Region L, consists of Atascosa, Bexar, Caldwell, Calhoun, Comal, DeWitt, Dimmit, Frio, Goliad, Gonzales, **Guadalupe**, Karnes, Kendall, La Salle, Medina, Refugio, Uvalde, Victoria, Wilson, Zavala, and part of Hays Counties.



[2021 RWPG Materials | Region L Texas](#)

UPCOMING EVENTS –

- Aug. 1 – 4 TGWA Conference - [Texas Ground Water Association - Annual Convention \(tgwa.org\)](http://Texas Ground Water Association - Annual Convention (tgwa.org))
August 5th Region L – virtual Region L Texas | South Central Texas Regional Water Planning Group
August 12th GCGCD Board Meeting [AGENDAS & NOTICES - Guadalupe County Groundwater \(gcgcd.org\)](http://AGENDAS & NOTICES - Guadalupe County Groundwater (gcgcd.org))
Aug. 31 – Sept. 2 TAGD Texas Groundwater Summit | The Texas Alliance of Groundwater Districts
Sept. 9th GCGCD Board Meeting [AGENDAS & NOTICES - Guadalupe County Groundwater \(gcgcd.org\)](http://AGENDAS & NOTICES - Guadalupe County Groundwater (gcgcd.org))
Sept. 17th GMA 13 Meeting – Evergreen Underground Water Conservation District - Home

GCGCD Board of Directors & Staff

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mattimiranda@gcgcd.org

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District 4 - William Jones – Treasurer
bill_jones@gcgcd.org

District 5 – Mark Gustafson - Director
mark_gustafson@gcgcd.org

District 6 - Hilmar Starcke III - President
hil_starcke@gcgcd.org

District 7 - Jeff Schuehle - Vice President
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Did you know?

Who holds the # 1 spot for the highest temperature recorded worldwide?

Did you guess Death Valley, California?

If so, you were correct!

The record was set back in July 1913 with a whopping temperature of **134°F**.

Looks like it is still crazy hot there.

On Friday, July 10th, 2021, the temperature in Death Valley was recorded at a scolding **130°F**.

Death Valley also had a temperature of 130°F last year on August 16th tying for third place for the **highest temperatures recorded on Earth!**



Do you think temperatures dropped by nightfall? Guess again!

The temperature did not drop beyond 107°F that night. WOW!



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