



## GCGCD NEWS



### SUMMER 2016 Newsletter

#### US Airforce Joins Fight to Stop Dump

The United States Airforce commander Col. Michael Snell of the 12<sup>th</sup> Flying Training Wing sent a letter in May to TCEQ stating concerns of pilot safety with regards to the flight path crossing over the proposed landfill site.

Because landfills attract birds, the bird strike potential over the Seguin Auxiliary Airfield is a very real concern. FAA recommends landfills be constructed five miles outside of public use airfields. Pilots training in T-38 Talons average more than 1,100 operations each month, 95% of which are within one mile of the proposed site during summer months. All flight tracks are within the five mile buffer zone at elevations of 1000-2000 feet. In a joint motion, GCGCD, Schertz-Seguin Local Government Cooperation (SSLGC) along with Stop Post Oak Dump (SPOD) have asked the judges to re-open the hearing to allow the Airforce letter into evidence. Fingers Crossed!

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Visit our website for more information and much more!





## Purpose of Groundwater Conservation Districts

### Chapter 36.0015 of the Texas Water Code:

“In order to provide for the **conservation, preservation, protection, recharging, and prevention of waste of groundwater**, and of groundwater reservoirs or their subdivisions, and to control subsidence caused by withdrawal of water from those groundwater reservoirs or their subdivisions, consistent with the objectives of Section 59, Article XVI, Texas Constitution, groundwater conservation districts may be created as provided by this chapter. Groundwater conservation districts created as provided by this chapter are the **state’s preferred method of groundwater management** through rules developed, adopted, and promulgated by a district in accordance with the provisions of this chapter.”

### Proposed DFC’s for GMA 13

- The first proposed desired future condition for the Carrizo-Wilcox/Queen City/Sparta Aquifers in Groundwater Management Area 13 is that 75 percent of the saturated thickness in the outcrop at the end of 2012 remains in 2070. This desired future condition is considered feasible despite model predictions to the contrary as detailed in [GMA 13 Technical Memorandum 16-08](#).
- In addition, a secondary proposed desired future condition for the Carrizo-Wilcox/Queen City/Sparta Aquifers in Groundwater Management Area 13 is an average drawdown of 48 feet for all of GMA 13. The drawdown is calculated from the end of 2012 conditions to the year 2070. This desired future condition is consistent with Scenario 9 as detailed in [GMA 13 Technical Memorandum 16-01](#) and GMA 13 Technical Memorandum 16-08.
- The proposed desired future conditions for the Yegua-Jackson Aquifer in Groundwater Management Area 13 are summarized in GMA 13 Technical Memorandum 16-04 (Draft 1). For Gonzales County, the average drawdown from 2010 to 2070 is 3 feet, for Karnes County, the average drawdown from 2010 to 2070 is 1 foot, and for all other counties in GMA 13, the Yegua-Jackson is classified as not relevant for purposes of joint planning.
- The Trinity, Edwards, and Gulf Coast Aquifers are designated as non-relevant for all counties in GMA 13 for purposes of joint planning.

GMA-13 has prepared standardized Public Comment Forms to help you organize and substantiate your submission. Forms available on our website [www.gcgcd.org](http://www.gcgcd.org)

**Public Comment Period ends August 1<sup>st</sup>**

## Here's what we registered across our District

Total Average for 2016

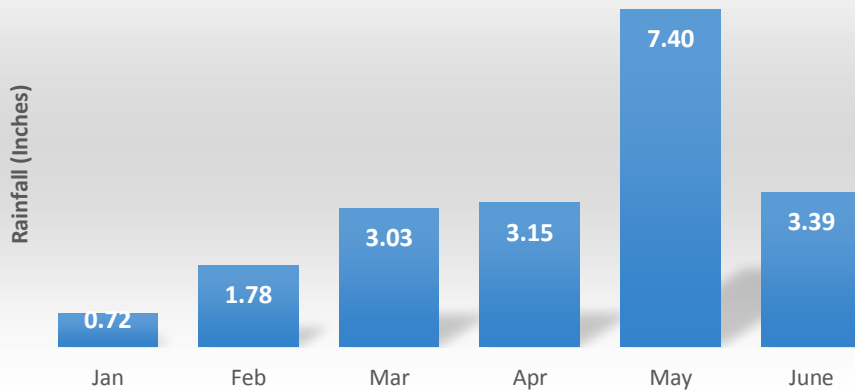
19.47 INCHES *SO FAR.....*



WOW! No more **RED**

GCGCD Rainfall 2016							
Site	Location	Jan	Feb	Mar	Apr	May	June
1	467 @ GoodLuck Rd	0.04	0.02	1.13	2.06	6.30	2.25
2	123 S @ Diamond Half	0.63	2.98	5.76	3.37	8.80	2.75
3	Fm 466 Near Pole Cat Creek	0.61	2.38	2.60	4.09	9.97	4.35
4	SHWSC Plant	2.20	4.00	2.75	5.25	8.50	5.50
5	SHWSC Well Field	0.05	0.07	1.02	1.93	5.26	1.93
6	Kallis Ranch Hwy 90 A	1.21	2.73	5.43	3.59	7.84	5.73
7	SHWSC Office	0.84	2.56	3.99	4.14	8.45	2.49
8	Kingsbury - CCWSC	0.08	0.70	5.00	3.89	8.70	3.40
9	Ayotte	0.00	0.80	2.00	1.19	5.00	2.57
10	New Berlin Feed	1.51	1.51	0.61	2.02	5.18	2.91
Monthly Avg across GCGCD		0.72	1.78	3.03	3.15	7.40	3.39

### 2016 GCGCD Rainfall

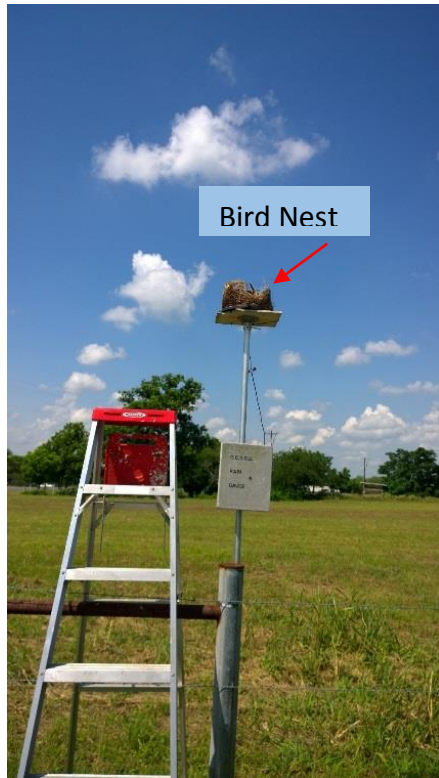


According to NOAA,  
2015 was the  
warmest year of  
record with Global  
Surface Temperatures  
increasing 0.29° F  
  
Will 2016 be even  
warmer?



TWDB has created a website that helps Texans gather information about flooding - what to do before, during and after a flood event - statewide stream flow data - weather links with radar and precipitation data - and access to regional lake levels to help Texans better prepare for rising waters. Check out the link!





After all the hail storms - we had some “housekeeping” to do. We cleaned and replaced gauges as needed across the District to ensure accurate rainfall data.

Collection devise took a hit



## DFC Monitor Wells to be installed in District

In a cooperative multi-county, multi-agency project – nineteen new monitoring wells will be installed in the outcrop areas of the Carrizo Aquifer enabling us to better understand aquifer characteristics. Having more data will aid in better decision making with regards to achieving our newly adopted DFC's. Another aspect of this project is to gather information on groundwater / surface water interaction. In order to accomplish this – monitor wells would be placed along the transects in the geologic strike direction (SW-NE) near the Guadalupe and San Marcos rivers. In accordance with permit requirements with Gonzales County Underground Conservation District (GCUCD), these nineteen wells will be paid for by a division between SAWS, GBRA, CRWA, SSLGC and HCPUA (Hays Caldwell Public Utility District). The project is still in the early development phase. GCGCD is working closely with GCUCD and Plum Creek Conservation District (PCCD) and each district's geologists researching optimal sites for the wells to be located.



## Canyon Regional Water Authority Drills GCGCD's 1<sup>st</sup> Commercial Wilcox Aquifer Well.

CRWA obtained a permit from GCGCD in April of 2012 to produce 3,026 acre feet of Wilcox water and in late May of this year began drilling.

The wells will be located on the Wells Ranch property in the south eastern portion of our District off FM 1117.

TWDB increased available Wilcox water for permitting in Guadalupe County – new DFC's proposed

GCGCD expects future development from this previously untapped source in our District

Crystal Clear Special Utility District obtained permits in June 2013 for 741.6 acre feet of Wilcox water – CCSUD anticipates developing a wellfield in the Wilcox formation.



Rik Allbritton takes a minute to pose in front of rig after meeting with the District to discuss progress of drilling.



# Aquifer Levels



## June 2016 water level measurements

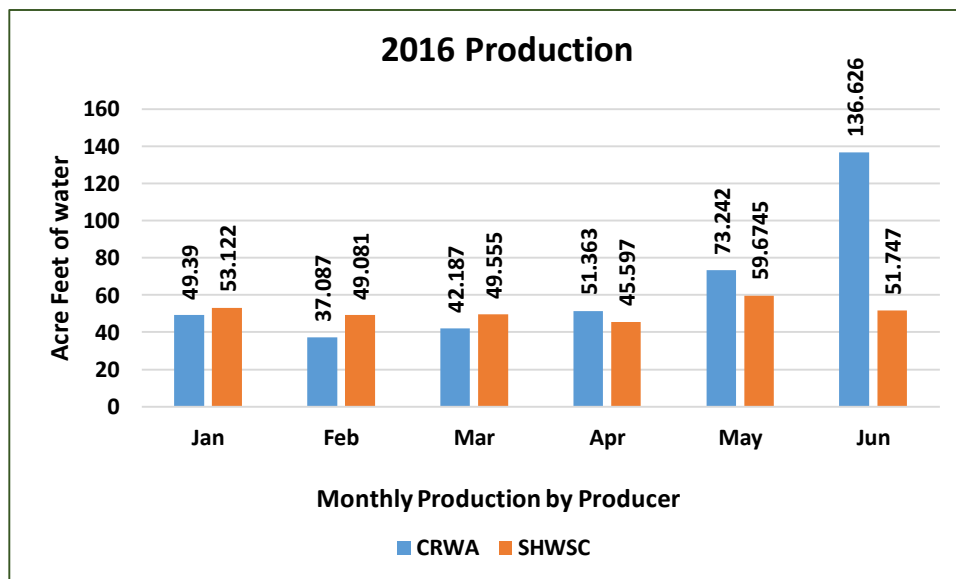
Summary from Bill Klemt report:

1. Water levels in the Carrizo aquifer, for the period of June 2015 – June 2016 have changed very little in the outcrop
2. The largest Carrizo measured water-level declines were in the SHWSC and CRWA areas
3. Wilcox aquifer water levels are up slightly indicating recharge and less pumpage due to the fall 2015 and spring 2016 rains
4. Small to moderate long-term declines in the Carrizo aquifer are expected because of SSLGC, SAWS, SHWSC & CRWA well fields in the Guadalupe and Gonzales Counties
5. The District is meeting recently proposed DFC requirements

To see current water levels along with historical measurements visit our website [MONITOR WELLS](#)

Production

Data





## GBRA gets a new face



- Kevin Patterson became the new General Manager and CEO May 2<sup>nd</sup> replacing Bill West, who after 23 years with [GBRA](#), will be officially stepping down in Sept. 2016.

## SAWS Desal Plant set to deliver water this fall

As of June - Phase 1 of the [San Antonio Water System's Desalinization Plant](#), located on the Twin Oaks ASR site in southern Bexar County is 95% complete. Using a process of reverse osmosis, the desalinization plant will be filtering approximately 12 million gallons of brackish Wilcox Aquifer water - that once treated, will be blended into their system to deliver water to its customers this fall.

Through TAGD, GCGCD will be touring the facility this August. General Public tours are expected to be available October of 2016.

## TWDB is now on **You Tube**

Watch informative videos on topics like:

- Aquifers
- Recharge & Surface Water Interaction
- Ground Water Availability Models and much more....



**TCEQ is changing its website address to  
[www.tceq.texas.gov](http://www.tceq.texas.gov)**



*Of the 118 Monitored Water Supply Reservoirs in Texas -88% are full\* going into the summer months! That includes Canyon & Medina Lakes!*

*\*(conservation storage capacity ratio)*

To see all the lake levels go to



**UPCOMING EVENTS –**

- July 14<sup>th</sup> GCGCD board Meeting – GVEC Customer Service Center Community Room  
927 N Hwy 46 @ 3:00 pm
- Aug. 1<sup>st</sup> Public Comment Period on DFC's for GMA 13 ends
- Aug. 23-25<sup>th</sup> TAGD – Texas Groundwater Summit@ Embassy Suites, San Marcos, TX

TEXAS ALLIANCE OF GROUNDWATER DISTRICTS  
**TEXAS GROUNDWATER SUMMIT**

Click to register!



The average faucet uses 2 gallons a minute!

**CONSERVATION TIP**

You could save **4 gallons** of water **every morning**  
by turning off the faucet while brushing your teeth.



A running toilet  
can waste up to  
200 gallons of  
water each day!



At one drip per second,  
a faucet can leak  
3,000 gallons in a year!  
  
So **FIX** those leaks!

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