

Groundwater Management Area 15 Meeting Minutes

The Groundwater Management Area 15 meeting convened in the Pattie Dodson Health Center, 2805 N. Navarro St., Victoria, Texas, Classroom 108 at 9:30 AM on January 11, 2018.

Members GCD Representatives Present:

1	Bee Groundwater Conservation District	Lonnie Stewart
2	Calhoun County Groundwater Conservation District	Tammy Amaimo
3	Coastal Bend Groundwater Conservation District	Neil Hudgins
4	Coastal Plains Groundwater Conservation District	Neil Hudgins
5	Colorado County Groundwater Conservation District	
6	Corpus Christi ASR Conservation District	L. J. Francis
7	Evergreen Underground Water Conservation District	Russell Labus
8	Fayette County Groundwater Conservation District	David Van Dresar
9	Goliad County Groundwater Conservation District	Heather Sumpter
10	Pecan Valley Groundwater Conservation District	Charlotte Krause
11	Refugio Groundwater Conservation District	Billie Sue Dunnivan
12	Texana Groundwater Conservation District	Candace Whitley
13	Victoria County Groundwater Conservation District	Tim Andruss

Agenda Item 1: Call to order and welcome guests.

Mr. Andruss called the meeting to order at 9:31 AM. A quorum was present.

Attached to these minutes is a copy of the meeting sign-in sheet.

No action was taken.

Agenda Item 2: Receive public comment.

Mr. Andruss offer to accept any public comments.

Mr. David Morgan commented on his concerns regarding a potential well field located near his ranching operation in Choate, Texas and requested that GMA 15 members encourage Districts within the management area to revise rules to be more protective of aquifers.

Mr. Art Dohmann introduced Heather Sumpter, General Manager of Goliad County Groundwater Conservation District, as the representative of Goliad County Groundwater Conservation District to GMA 15.

Ms. Tina Shearman commented on her concerns regarding a potential well field being evaluated in Karnes County near her property and asked that the GMA 15

Groundwater Management Area 15 Meeting Minutes

members to speak to the requirement for municipal wells to be located with their CCNs.

See attached documents for more details.

No action was taken.

Agenda Item 3: Consideration of and possible action on minutes of the previous meeting.

Mr. Andruss explained that the minutes of the previous meeting were sent to the GMA 15 representatives prior to this meeting.

MOTION: Mr. Hudgins moved to approve the meeting minutes for October 12, 2017 as drafted. Mr. Van Dresar seconded the motion. The motion passed.

Agenda Item 4: Consideration of and possible action on matters related to budget and financial reports of Groundwater Management Area 15.

No action was taken.

Agenda Item 5: Consideration of and possible action on reports and communication from Groundwater Management Area 15 member districts and Groundwater Management Area 15 representatives to Regional Water Planning Groups.

Mr. Van Dresar explained that municipal water demand revisions submittals to the Texas Water Development Board were due in January 2018.

Mr. Dohmann discussed information being developed by Daniel B. Stephens and Associates for a report on groundwater levels in Goliad County. Mr. Dohmann expressed concern about the current groundwater availability model. In particular, the underestimated amount of historic use and the recharge for Goliad County represented in the model. Mr. Dohmann expressed his desire to see this issue addressed by Texas Water Development Board.

No action was taken.

Agenda Item 6: Consideration of and possible action on reports from Texas Water Development Board representatives to Groundwater Management Area 15.

Mr. Bradley of Texas Water Development Board notified the representatives that the agency had initiated a new project to improve the groundwater availability modeling for the Central and Southern Gulf Coast and that this project was the

Groundwater Management Area 15

Meeting Minutes

number 1 priority of modeling group. However, a timeline for completing the project had not been established.

Mr. Andruss explained that he would submit a letter to Texas Water Development Board expressing support for the project, identifying GMA 15's deadlines for utilizing a new GAM for planning purposes, and extending an offer to host a stakeholder meeting related to the project.

No action was taken.

Agenda Item 7: Consideration of and possible action on matters related to joint planning including the review of management plans and accomplishments of Groundwater Management Area 15 member districts.

Mr. Andruss explained that at the meeting held on October 12, 2017, the representatives received public comment and discussed a water well field being considered for development near the Goliad/Karnes County Line in the Evangeline Aquifer Component of the Gulf Coast Aquifer System. On January 9, 2018, Russell Labus, General Manager of the Evergreen UWCD, asked that the report by Wet Rock Groundwater Services for the City of Kenedy concerning the test well project be forwarded to the members of GMA 15.

Mr. Labus provided a summary of the work completed and measurements taken to evaluate the feasibility of developing a well field at the location where the City of Kenedy's well field would have been located. He explained that the report developed by Wet Rock Groundwater Services recommended that the development of a municipal well field at that location be avoided.

A lengthy discussion of the project, report, concerns related to the protection of the aquifer in the area, and the duties/responsibilities of GMA 15 ensued.

No action was taken.

Agenda Item 8: Consideration of and possible action on administrative and organizational matter of Groundwater Management Area 15.

A. Election of Officers of the GMA-15 Joint Planning Committee

Mr. Andruss explained that the administrative procedures and by-laws of GMA 15, require the annual election of a chairman, vice-chairman, and treasurer. Currently, Tim Andruss of Victoria County GCD serves as Chairman; Neil Hudgins of Coastal Bend GCD and Coastal Plains GCD serves as Vice-Chairman, and Charlotte Krause of Pecan Valley GCD serves as Treasurer.

Groundwater Management Area 15

Meeting Minutes

MOTION: Mr. Stewart moved to elect Tim Andruss of Victoria County GCD to serve as Chairman; Neil Hudgins of Coastal Bend GCD and Coastal Plains GCD to serve as Vice-Chairman, and Charlotte Krause of Pecan Valley GCD to serve as Treasurer. Mr. Van Dresar seconded the motion. The motion passed.

B. Selection of Representatives of the GMA-15 Joint Planning Committee to Regional Water Planning Groups

Mr. Andruss explained that the administrative procedures and by-laws of GMA 15, require the annual election of a representatives to those regional water planning groups that intersect Groundwater Management Area 15. Currently, Jim Brasher of Colorado County GCD represents GMA 15 on Region K; Neil Hudgins of Coastal Bend GCD and Coastal Plains GCD represents GMA 15 on Region P; Art Dohmann of Goliad County GCD represents GMA 15 on Region L; and Mark Sugarek of Bee GCD represents GMA 15 on Region N.

MOTION: Mr. Hudgins moved to select Jim Brasher of Colorado County GCD to represent GMA 15 on Region K; Neil Hudgins of Coastal Bend GCD and Coastal Plains GCD to represent GMA 15 on Region P; Heather Sumpter of Goliad County GCD to represent GMA 15 on Region L; and Mark Sugarek of Bee GCD to represent GMA 15 on Region N. Mr. Van Dresar seconded the motion. The motion passed.

C. Consideration of Draft Revisions of the Administrative Procedures of the GMA-15 Joint Planning Committee and Draft Revisions of the By-Laws and Cost-Sharing Agreement of the GMA-15 Committee

Mr. Andruss explained that the administrative procedures of GMA 15 were adopted in 2012. The by-laws and cost-sharing agreement of GMA 15 were adopted in 2013. Revisions to these documents have been drafted to prepare for future work of GMA 15 related to the review, development, and adoption of DFCs.

Ms. Sumpter requested that the draft cost-sharing agreement be revised to establish October 31, 2018 as the deadline to submit payment by member district under item 3.03 of the cost sharing agreement.

MOTION: Mr. Francis moved to adopt the Draft Revisions of the Administrative Procedures of the GMA-15 Joint Planning Committee and approve the Draft Revisions of the By-Laws and Cost-Sharing Agreement of the GMA-15 Committee with Ms. Sumpter's requested revision for distribution to and adoption by member districts. Mr. Labus seconded the motion. The motion passed.

Groundwater Management Area 15

Meeting Minutes

Agenda Item 9: Consideration of and possible action on identification and scheduling of future agenda items and meetings.

No action was taken.

Agenda Item 10: Receive public comment.

No public comment provided.

Agenda Item 11: Adjournment

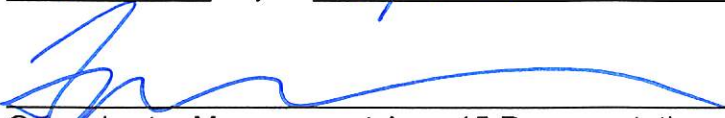
MOTION: At approximately 11:50 PM, Mr. Stewart moved to adjourn the meeting. Mr. Van Dresar seconded the motion. The motion passed.

Groundwater Management Area 15 Meeting Minutes

Prepared by: Tim Andruss

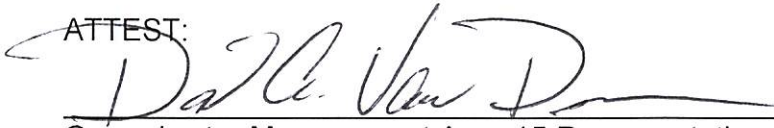
The above and foregoing minutes were considered and approved on this the

12th day of April a.d. 2018.

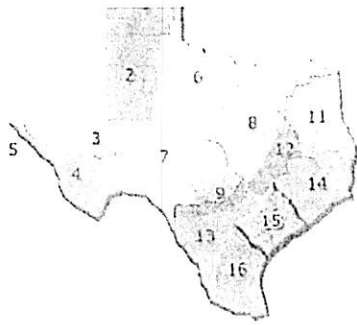


Groundwater Management Area 15 Representative

ATTEST:



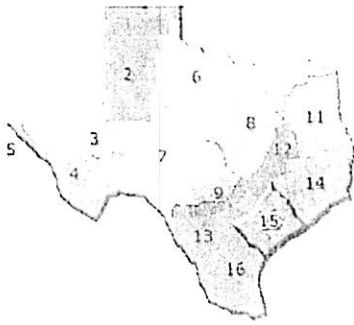
Groundwater Management Area 15 Representative



GMA 15

DATE: Jan 11, 2018

NAME	COMPANY OR ORGANIZATION
Bruce + Pam Uszynski	Stapleton Family Ranch LLC Hatch Holdings, LLC
Heather Sumpter	GCDC
ART DOMMANN	GCDC
Jean Price	TWDB
Robert Bradford	TWDB
Chause	PVGC
DAVID A VAN DRESSE	FCGC
Chae Judson	CBGC / CPGC
Russell Labus	Evergreen UWCD
David W Morgan	
Mike Keester	LRE Water
Carl Hummel	Karnes / Gelrac Co landowner
Tina Shearman	Karnes Co Landowner
Billie S Dunmore	Refuge Groundwater CD
Lornie Stewart	Bee CD



GMA 15

DATE: Jan, 11, 2018

NAME	COMPANY OR ORGANIZATION
Candace Whitley	Texana Gcd
Anna Daniels	EBRA
Donald Reese	COV
TERRELL GRAHAM	SELF
Pat Graham	self
L J Francis	CC ASSOC

Public Comment Form

Date:	01-11-13	Time:	
Name:	David N. Morgan		
Address:	131 SR 6200 Kenedy TX 78119		
Phone:	630 583 9610	Cell:	
Email:			

Do you wish to comment on a specific agenda item? (Note: comments related to a specific agenda item will be heard during the Board's consideration of that agenda item.)	Yes / No
---	----------

If yes, which agenda item:	
----------------------------	--

In the space below, please summarize your comments.

Speak on water leases in my area

Members of the public in attendance at any meeting of the Groundwater Conservation District shall conduct themselves with proper respect and decorum in speaking to, and/or addressing the Groundwater Conservation District; in participating in public discussions; and in all actions in the presence of the Groundwater Conservation District. (See VCGCD Public Comment Rules)

Public Comment Form

Date:	1-11-18	Time:	
Name:	Tina Shearman		
Address:	9116 Rm 743, Kennedy		
Phone:		Cell:	830 534-4377
Email:			

Do you wish to comment on a specific agenda item? (Note: comments related to a specific agenda item will be heard during the Board's consideration of that agenda item.)	Yes / <input checked="" type="radio"/> No
---	---

If yes, which agenda item:

In the space below, please summarize your comments.

Question CONCERNING OCN'S

Members of the public in attendance at any meeting of the Groundwater Conservation District shall conduct themselves with proper respect and decorum in speaking to, and/or addressing the Groundwater Conservation District; in participating in public discussions; and in all actions in the presence of the Groundwater Conservation District. (See VCGCD Public Comment Rules)

GMA 15

Tina Shearman
1-11-16

Good morning GMA 15 members and fellow guests.
us to attend as well as address you all with our concerns.

We would like to thank you for allowing

I am sure most, if not all of you , are aware of the City of Kenedys recent endeavor to find additional sources of fresh water. Again , I feel certain many of you here today are aware of the outcome of this very costly expedition. Many of us in the area where this exploration was located are ever so grateful for the outcome of this test well.

A year ago very few of us gave much thought to the water situation in our community, much less the entire area and state. I assure you this is no longer the case. We have tirelessly educated ourselves and researched laws , rules , and regulations regarding water rights in our districts and states. The results of this process have made us very much aware how lacking we are in actually protecting and conserving our most precious natural resource . We have discovered that like so many things , we are regulated by " blanket " regulations. Our water district is a widespread area with very diverse underground water sources . Most of the area overseen by Evergreen Underground Water Conservation District has the water rich Carrizo Aquifer underlying it as well as several other smaller aquifers. However , the very southern end of their district is dependent on the smaller aquifers that make up the Gulf Coast Aquifer. We have learned that even though our area does not have much available water , [as was proven by this test well] we are still bound by rules designed to regulate much more productive aquifers. We have requested amendments to the rules in order to insure we will have adequate water in the future to continue to live on and work our land . At this time we have been unable to accomplish this , but we will continue to work toward this goal. The Goliad Water Conservation District rules are vastly different , as well as being ultra conservative in comparison to the Evergreen District . The actual physical location of our community is closer to Goliad District and we share the same aquifers therefore we seek to be regulated in a similar manner.

The rules are in place to guide us in our quest to preserve our water for future generations . The rules are only useful if they are adhered to though . That is why I stand before you today . The events of the last several months has been an avalanche of research , and fact finding endeavors . We have obtained a lot of documents and information that raised more questions than it gave answers for. One of these is the workings of CCN's . We come to realize that several of Kenedy's well are producing under CCN permits . The most recent being completed in 2016. According to all the information I have been able to find , all production wells must be physically located inside of the boundaries of a municipality's CCN . This is not the case concerning the City of Kenedy .Their wells are from 2 plus miles outside of their CCN up to 5 miles outside it .

I respectfully ask for an answer to this. Are there exemptions or exceptions to these rules governing CCN's , and if there are none , how this been overlooked for so long?

Thank you all for allowing us to be involved in the process of working toward a bright future where coming generations will benefit from the work being done today .

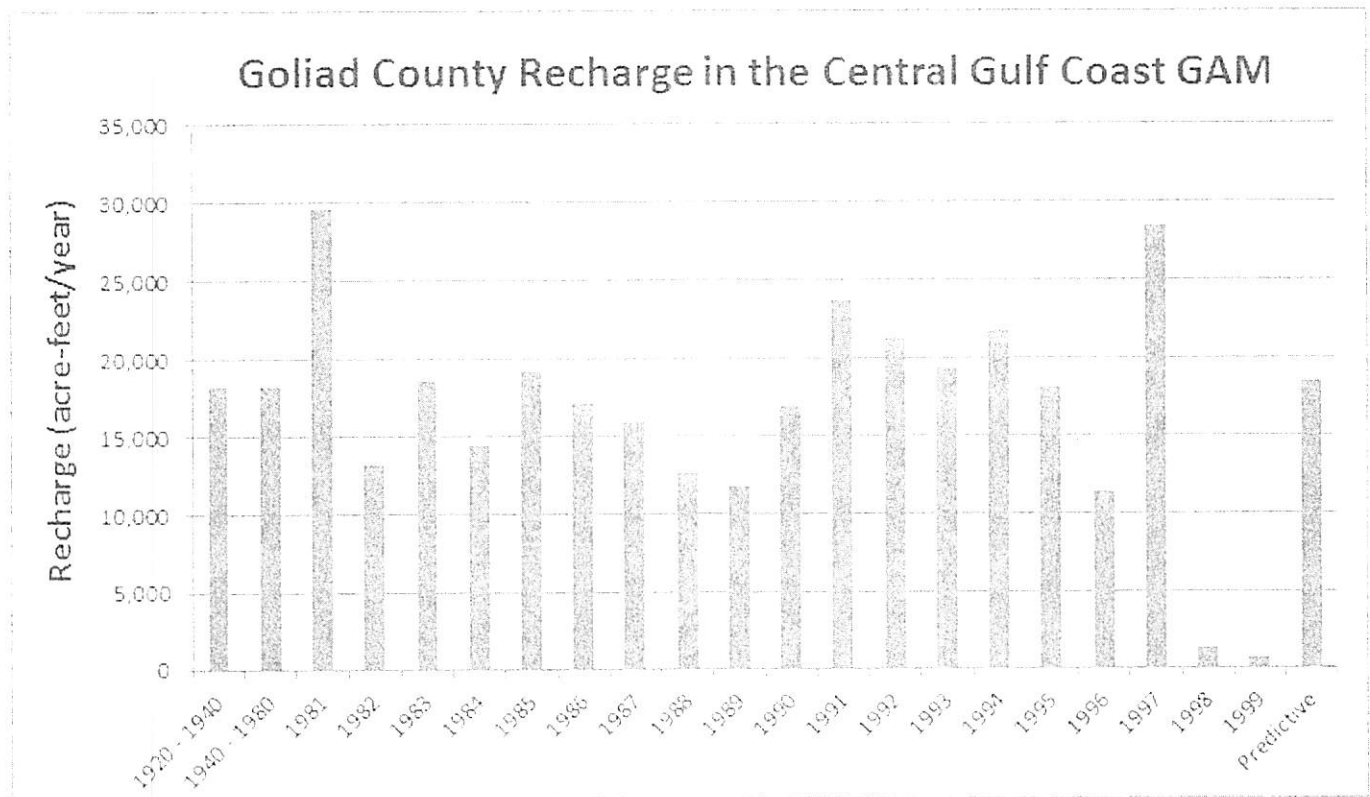
May god continue to bless and guide us in this coming year .

Thank you

On Thu, Dec 28, 2017 at 1:31 PM, Donnelly, Andrew <adonnelly@dbstephens.com> wrote:

Art/Heather:

I thought it might be a good idea to quantify the recharge in Goliad County for each year in the historic and predictive time periods used in the GAM. I wrote a program to compile this, and I have identified an error in the historic GAM recharge input used in the model calibration that may have an impact on the overall drawdowns in the GMA 15 predictive runs. Interestingly it is not that the recharge in the calibration time period is too high, it is actually that the recharge for part of the calibration time period is too low. Way too low. Below is a figure of the recharge used in the calibration and predictive time periods of the GAM runs. As you can see, recharge in 1998 and 1999 appears to be erroneous. The TWDB confirmed that my calculations are correct, and also agreed that this would impact the drawdowns computed by GMA 15 (that they would be lower than they should be).



I am working to incorporate this into my report. I hope to have a draft final to you by the end of next week, but it will depend on Neil's availability to review my changes.

Thanks.

Andyd

Andrew C. A. Donnelly, PG

Senior Hydrogeologist

Daniel B. Stephens & Associates, Inc.

Hydrology | Engineering | Geoscience

Celebrating 30 Years!

4030 West Braker Lane, Suite 325 | Austin, Texas 78759

T (512) 821-2765 | D (512) 651-6016 | F (512) 821-2724

adonnelly@dbstephens.com

www.dbstephens.com

[FaceBook](#) | [LinkedIn](#) | [YouTube](#) | [Google+](#)

Heather Sumpter

From: Donnelly, Andrew <adonnelly@dbstephens.com>
Sent: Thursday, December 28, 2017 4:34 PM
To: Art Dohmann
Cc: Heather Sumpter (hsumpter@goliadcogcd.org); Blandford, Neil; wesley ball
Subject: RE: Golliad report and recharge

Art:

Recharge varies in the historic portion of the model. The modelers appear to have calculated an "average" recharge for use in the first two stress period of the model (which represent 1920-1940 and 1940-1980), and then a slightly different "average" recharge for use in the predictive simulations. I don't know why they are different (it is only a slight difference) . You typically will see the use of an "average" recharge rate in predictive model runs because no one can very well estimate what the precipitation or recharge will be in the future. We have a hard enough time trying to come up with historic recharge, so what modelers will typically do is basically say "This is what we ended up estimating for recharge in the past, we will just average that and use the average each year in our future predictive simulations". And yes, historic recharge estimates often are based on historic precipitation, that's why they vary from year to year.

The two years that is extremely low is critical because those two years are 1998 and 1999. Keep in mind that the calibration time period for the model is 1980-1999, and for the predictive model runs (i.e. the DFC runs), the modeler(s) exported the final water levels at the end of the calibration time period (end of 1999) and used them for their starting water levels (called initial heads) in all of their predictive model runs. Therefore all drawdowns calculated over the predictive simulations are compared to those initial heads. If the two years were not the last two in the calibration run it wouldn't be such a big deal, because the model would then have several years to readjust to proper recharge rates before ending, and then exporting the heads for use as starting water levels in the predictive runs.

The issue is that we are generating initial heads to use in the predictive model runs immediately after two year-long stress periods with erroneously low recharge. Virtually zero recharge. Therefore the heads after 1999 will be artificially lower due to the lack of recharge input in 1998 and 1999. In the model calculations (the water budget in the model) this would be mathematically the same as adding about 15,000 acre-feet of pumpage in each of those two years distributed across the county in the same distribution that the recharge is present.

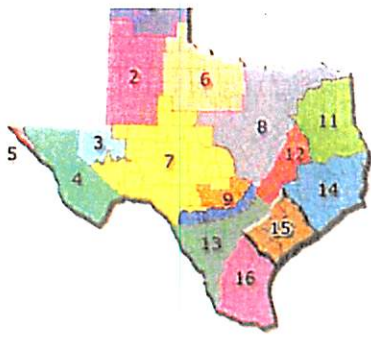
Once the predictive simulation starts, the GAM again puts 18,500 acre-feet/year of recharge back into Goliad County each and every year. So immediately in that first year of the predictive run the water levels are going to rise due to that increase in recharge compared to 1998 and 1999. Only after that will the water levels will start going down again. So everything calculated for Goliad County in terms of overall drawdown (i.e. DFC) at the end of the model run is compared to the initial head, which was artificially lowered due to the erroneously low recharge in 1998 and 1999.

I don't know how much it will be lowered, probably less than 10 feet, but it will impact the calculated drawdowns for Goliad County at the end of the DFC run for sure.

The new GAM will certainly correct this, even without bringing it up to the TWDB. And I have already talked to Shirley Wade about it just to make sure my program was correct (it was, her analysis agreed with mine), so they are aware. But if we have to use the old GAM again for DFC development, a workaround needs to be developed. Perhaps we suggest the average recharge values be used in place of the 1998 and 1999 values and the initial heads for the predictive runs be re-generated. This can be discussed with the GMA and modelers.

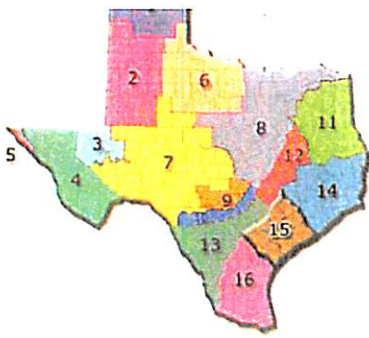
I hope that all makes sense.

GMA 15



DATE: Jan 11, 2018

NAME	COMPANY OR ORGANIZATION
Bruce + Pam Uszynski	Stapleton Family Ranch LLC Hattie Holdings, LLC
Heather Sumpter	GCGCD
ART DOMMANN	GCGCD
Jesús Perez	TWDB
Robert Brady	TWDB
Chause	PVGCD
DAVID A. VAN DRESSER	FCGCD
Mae Hudgin	CBGCD / CPGCD
Russell Labus	Evergreen UWCD
David W. Morgan	
Mike Keester	LRE Water
Carl Hummel	Karnes / Goliad Co landowner
Tina Shearman	Karnes Co Landowner
Billie S. Dunmore	Refugio Groundwater CD
Lonnie Stewart	Bee CD



GMA 15

DATE: Jan, 11, 2018

NAME	COMPANY OR ORGANIZATION
Candace Whittleby	Texana Gcd
Anna Daniels	GBRA
Donald Reese	COV
TERRELL GRAHAM	SELF
Pat Graham	self
LJ Francis	CC ASB CD