

Bandera County River Authority & Groundwater District



Quarterly Meeting: April 8, 2021

Dave Mauk



Bandera County 
River Authority & Groundwater District
Protecting & Preserving our Natural Resources

The principal mission of the Bandera County River Authority & Groundwater District is to protect and preserve the County's water and natural resources for the citizens of Bandera County. The District is also tasked with maintaining local control of the County's water resources to help safeguard the property rights of the citizens of Bandera County.



Bandera County

River Authority and Groundwater District

Protecting & Preserving our Natural Resources

Board of Directors

Don Sloan
President

Bob Williams
Vice-President

Neil Boultinghouse
Secretary-Treasurer

Ernest DeWinne
Director

Conrad Striegl
Director

Gene Wehmeyer
Director

Sid Gibson
Director

Rachel Mulherin
Director

General Manager
Dave Mauk

P.O. Box 177
440 FM3240
Bandera, Texas
78003

Phone: (830)796-7260

www.bcragd.org

NOTICE

BANDERA COUNTY RIVER AUTHORITY AND GROUNDWATER DISTRICT

QUARTERLY MEETING

April 8, 2021

You may join the meeting from your computer or tablet at:

Join Zoom Meeting
<https://us02web.zoom.us/j/84609242465?pwd=M1YrWWlhNnNnc0NCU1INEWFcaFR0UT09>
Meeting ID: 846 0924 2465
Passcode: BCRAGD

You can also dial into the meeting at:

+1 346 248 7799 US
Meeting ID: 846 0924 2465
Passcode: 470167

FILED
AT 11:00 O'CLOCK P.M. ON
MAR 31 2021
TAMIE MANSFIELD, COUNTY CLERK
BANDERA COUNTY, TEXAS
BY [Signature] DEPUTY

Notice is hereby given that a Quarterly Meeting of the Board of Directors for Bandera County River Authority and Groundwater District will be held on Thursday, April 8, 2021 at 9:00 am via Zoom, at which time the following items will be discussed and possible action taken, to wit:

AGENDA

- I. Call to Order, Roll Call Certification of Quorum, and Compliance with the Texas Open Meetings Law.
- II. Public Comment.
- III. Discuss and Consider for Action: Approval of January 14, 2021 Quarterly Meeting Minutes.
- IV. Discuss and Consider for Action: Approval of YoungLife Well Permit for an Instantaneous Rate of 100 GPM with an Annual Production Limit of 100 acre-feet.
- V. Discuss and Consider for Action: Approval of Bids to Drill Monitor Well Outside of Tarpley.
- VI. Discuss and Consider for Action: Resolution supporting HB 4146 and SB 1747.
- VII. Discuss and Consider for Action: BCRAGD Quarterly Budget Report / Public Funds Report.
- VIII. Discuss and Consider for Action: Moving Funds to District Flood Account from Bandera Bank.
- IX. Discuss and Consider for Action: Overview of FY 2020 District Annual Report.
- X. Annual Evaluation of the Groundwater Resources, DFC Compliance, and Surface Water Quality in Bandera County.
- XI. General Manager Report: Activities of the District – 2nd Quarter FY 2021.
- XII. Presentation from Levi Sparks on Invasive Species.
- XIII. Informational Item – Drought Stage, Water Conservation Handouts, Rainwater Harvesting Materials, Future Meeting Date.
- XIV. Adjournment.

This notice is published pursuant to the Texas Open Meetings Act, Texas Government Code Chapter 551. Dated this 31th day of March 2021.

[Signature]

David Mauk, General Manager

The Board of Directors of Bandera County River Authority and Groundwater District reserves the right to adjourn into Executive Session at any time in the course of this meeting as authorized by the Open Meetings Act, Texas Government Code Chapter Session under Texas Government Code § 551.071, "Consultation with Attorney".

I hereby certify that the above Notice of Meeting of the Board of Directors for Bandera County River Authority and Groundwater District is a true and correct copy of said Notice, that a true and correct copy of said Notice was posted on March 31, 2021 before 4:30 p.m., in its administrative office in Bandera, Bandera County, Texas at a place convenient and readily accessible to the general public at all times, that a true and correct copy of said Notice was furnished to the County Clerk of Bandera County, and that a copy of said Notice was furnished to each director.

[Signature]

David Mauk, General Manager

The principle mission of the Bandera County River Authority & Groundwater District is to protect and preserve the County's water and natural resources for the State of Texas. The District is also tasked with maintaining local accountability of the County's resources to help safeguard the property rights of the citizens of Bandera County.

Our Mission

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Bandera County River Authority and Groundwater District

Quarterly Meeting

January 14, 2021

MINUTES

Meeting Held via:

<http://zoom.us>

Meeting ID: 859 443 2608

Passcode: BCragD

START TIME: 9:01 A.M.

PRESENT: D. Sloan, B. Williams, E. DeWinne, N. Boultinghouse, R. Mulherin, C. Striegl, G. Wehmeyer, S. Gibson

General Manager: D. Mauk
BCRAGD Staff: H. Phillips

I. Call to Order, Roll Call, Pledge of Allegiance, Certification of Quorum, and Compliance with the Texas Open Meetings Law.

D. Sloan called the meeting to order at 9:01am and recited the pledge of allegiance. B. Williams, Vice President, announced that a quorum was present.

II. Public Comment.

This agenda item occurred after item III. Please see attachment A for submitted written public comment that was read into the record by H. Phillips.

Corrina McGowan: We have the responsibility to protect our waterways from the discharge of any waste from any organization.

Jeff Braun: Thank you for your responsible management of Taxpayer Money.

Cameron Harlan: I agree with Jeff and Greg. We have to think long term.

Hayden Stanford: Drilled one of the first permitted wells in 2010 and went through the process and approved a few proposals to draw 250.

III. Presentation of Annual FY 2020 District Financial Audit, Prepared by Ede and Company, Certified Public Accountants.

This agenda item occurred before time II.

Eric Ede presented to the board the annual FY 2020 District Financial Audit. BCRAGD received an unmodified score, which is the highest score according to acceptable accounting principles. The FY 2020 District Financial Audit is available on the district website.

Motion to accept the Annual FY 2020 Financial Audit as presented made by E. DeWinne and seconded by S. Gibson. Motion passed 8-0.

IV. Discuss and Consider for Action: Approval of November 12, 2020 Called Meeting Minutes.

E. DeWinne made the motion to approve the November 12, 2020 Called Meeting Minutes as presented and S. Gibson seconded. Motion passed 8-0.

V. Discuss and Consider for Action: Approval of YoungLife Well Permit for an Instantaneous Rate of 100 GPM with an Annual Production Limit of 153 acre-feet.

E. DeWinne moved to table this agenda item for the next meeting and S. Gibson seconded. Motion passed 8-0.

VI. Discuss and Consider for Action: Approval of Bernard L. Jureski Domestic Well Permit for an Instantaneous Rate of 10 GPM with an Annual Production Limit of 0.33 acre-feet.

D. Mauk recommended the approval of 10 GPM with an annual production limit of 0.25 acre-feet.

E. DeWinne made the motion to approve the permit as recommended by D. Mauk. S. Gibson seconded the motion. Motion passed 8-0.

VII. Discuss and Consider for Action: Approval of Davis Partners Ltd. Well Permit For an Instantaneous Rate of 320 GPM with an Annual Production Limit of 250 acre-feet.

D. Mauk stated that the permit application had been withdrawn and that the board take no action.

E. DeWinne motioned that the board take no action and B. Williams seconded. Motion passed 8-0.

VIII. Discuss and Consider for Action: Officer Elections for Secretary/Treasurer.

B. Williams nominated N. Boultinghouse and S. Gibson seconded. Motion passed 8-0.

IX. Discuss and Consider for Action: Approval of Adding Newly-Elected Secretary/Treasurer as one of the Signatories on All District Bank Accounts.

S. Gibson motioned to approve adding N. Boultinghouse as one of the Signatories on All District Bank Accounts and R. Mulherin seconded the motion. Motion passed 8-0.

X. Discuss and Consider for Action: Increasing Well Registration Fee.

D. Mauk stated that the current well registration fee is \$125 and the surrounding groundwater districts fees were between \$300-\$500. Due to the high volume of new wells coming in, D. Mauk recommended that the well registration fee be increased to \$300.

B. Williams made a motion to increase the well registration fee to \$300 and E. DeWinne seconded the motion. Motion passed 8-0.

XI. Discuss and Consider for Action: BCragd Quarterly Budget Report / Public Funds Report.

D. Mauk stated that the District funds totaled \$101,399.00 with a break down of \$63,674.00 in the BCragd Operating account, \$37,525.00 in the Flood Project Checking account and \$200 in petty cash. Additionally there is \$76,525 in a CD at Hondo National Bank. The Funds Breakdown demonstrates \$37,525 in Flood Project checking account, \$69,117 of Non-Designated Funds and \$71,282 of Designated funds categorized for State Auditor, Well Monitoring and Water Availability, Scientific Studies, and Building, Property Improvement and Maintenance.

S. Gibson motioned to accept the BCragd Quarterly Budget Report/ Public Funds Report and E. DeWinne seconded the motion. Motion passed 8-0.

XII. Discuss and Consider for Action: Moving Funds to District Flood Account from Bandera Bank.

E. DeWinne made the motion to take no action and B. Williams seconded the motion. Motion passed 8-0.

XIII. General Manager Report: Activities of the District – 1st Quarter FY 2021.

General Manager, D. Mauk, gave the Board an overview of the District's 1st Quarter FY 2021 Activities which included: Registered and Permitted Well Report Numbers, Nuisance Complaints, Variance Requests, Notice of Violations, Groundwater Tests, Water Well Plugging, Geophysical Logging, and Monitor Well Report.

The report also included Surface Water Evaluation & Reports, In-House Surface Water Quality Monitoring Report, Medina Lake Update, Aquatic Life Monitoring, EAA Sampling, Public Service Announcements, Staff Highlights, Invasive Species Updates, and the Drought Monitor.

Also included in the GM Report were the Education & Outreach Highlights, Social Media Highlights, Flood Early Warning System Update, Rainspotter Data and Covid-19.

XIV. Informational Item – Drought Stage, Water Conservation Handouts, Rainwater Harvesting Materials, Future Meeting Date.

S. Gibson and D. Sloan thanked the public for their comments.

XV. Adjournment.

B. Williams motioned to adjourn and N. Boultinghouse seconded the motion. Motion passed 8-0. Meeting adjourned at 10:51am.

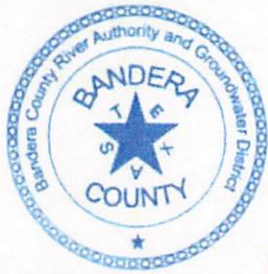
Approved by:

Don Sloan (*BCRAGD President*)

Neil Boultinghouse(*BCRAGD Secretary/Treasurer*)

Date

Date



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P.O. Box 177
440 FM3240
Bandera, Texas
78003

Phone: (830)796-7260

www.bcragd.org

WELL PERMIT HEARING

FILED
AT 2:55 O'CLOCK P.M. ON

MAR 23 2021

TANDIE MANSFIELD, COUNTY CLERK
BANDERA COUNTY, TEXAS
BY *[Signature]* DEPUTY

Name: Young Life

Location: 1010 Cooley Lane Vanderpool, TX 78885

Requested Production Limit: Instantaneous Rate of **100 GPM**
with an Annual Production Limit of **100 Acre-Feet**

Purpose: Public Water Supply

Date: Meeting to be held at 9:00am on April 8, 2021 via Zoom.

You may join the meeting from
your computer or tablet at:

You can also dial into the meeting at:

<http://zoom.us>
Meeting ID: 846 0924 2465
Passcode: BCRA GD

+1 346 248 7799 US
Meeting ID: 846 0924 2465
Passcode: 470167

[Signature]

David Mauk, General Manager

3/23/21

Date

The principle mission of the Bandera County River Authority & Groundwater District is to protect and preserve the County's water and natural resources for the State of Texas. The District is also tasked with maintaining local accountability of the County's resources to help safeguard the property rights of the citizens of Bandera County.

Our Mission

Attachment A.

Tammy Duke

To whom it may concern,

I have lived in the Utopia/Vanderpool area since September 2011. I do not believe these two permits should be granted. Our area has one of the last pure water sources. Our children, our grandchildren, the whole community enjoy the clear pure water that we are so fortunate to have been blessed with. Dan is a very good businessman, he is a mentor with Young Life, but just because of his wealth & the power that comes from the money, that is no reason to allow him to contaminate our pristine water supply.

Marla Maudlin

Good Morning,

My name is Marla Maudlin, my husband and I have 6+ acres on the Sabinal River in Vanderpool. We are very fortunate to have a well with good water quality. Our usage is very minimal. However, we have been extremely concerned about our neighbors and their requests for extreme water usage permits.

The former landowners, Lone Hollow, had managed to maintain high water levels in their lakes, personal use and grounds upkeep. Their source of water is not known, but there has already been very high usage in place. With the new requests, everyone in the entire surrounding areas, stand to lose our life support of clean water. Young life is already requesting to dump their treated wastewater into the river. What their plans are, is very disconcerting. Please do not allow these extreme amounts of water be pulled from the aquifers that we all depend on. We have no other source for water.

Greg Walton

I request that this water well permit application, filed by Dan Hord of Vanderpool, be denied, or at least delayed until the April meeting of BCRA. The amount of water requested is far in excess of normal irrigation needs, particularly when irrigation-grade treated effluent is available from the adjacent Young Life property upstream. My suspicion is that Mr. Hord wants this excessive amount of water for future commercial and residential development, not irrigation. His recent purchase of large swaths of nearby land, on both sides of Hiway 187, coupled with the fact that he owns a large development company, suggests his ultimate goal is large-scale development, NOT agriculture. Thank you for helping us protect the Sabinal Canyon. Greg Walton, Utopia

Harris and Jay Ann Currie

I just received an email notifying us of the water wells permits being sought by Young Life and Dan Hord-Davis Partners. We own property in Utopia and constantly hear and have had problems with water availability in our own well due to drought and low water levels. Granting wells this size will effect water levels in the area.

Please take into consideration how these large wells will effect other wells in the community. We have seen this done on other neighboring property of property we owned in the past and it dried up all the smaller wells.

Judy Bailey/ Sheila Agee

Good morning

We have just become aware that our not so nice neighbors upstream, besides wanting to dump treated sewage in our beautiful Sabinal river, now want to suck up all of the ground water. Young Life 100gpm and Davis Partners 320gpm. How nice that they want pretty lakes on their properties. We live just outside of Utopia and had to install a rain catch system for our water because our well kept going dry. The city of Utopia also relies on well water. This pumping upstream could make a whole town go dry.

This area is constantly in and out of droughts. More and more people move in and dig into the ground water.

If these people want pretty lakes, they should have bought on an existing lake.

I guess these people know that water will be the new gold soon. And like all rich people, they just want more.

Please think of all people and do not allow these permits.

Nancy Dyer

Please deny the water well permit for Young Life on the Sabinal River. The amount of water being requested is excessive for this area and I am told that many of the wells in that area have run dry.

Thank you for your time,

Nancy Dyer
Jackson Creek Road
Medina, TX

Ann and Ernst Schneider

Dear Mr. Mauk and Board of Directors,

My husband and I are landowners, operate a working ranch, and are tax payers in Bandera County. Our ranch is located in close proximity to the properties in question regarding the two water well permit applications filed by Young Life and Davis Partners LTD – Dan Hord. The purpose of our letter is to express our strong concerns and comments to be entered into official public record at your meeting Thursday January 14, 2021.

While the well permits are being requested by two different entities: 1) the entities are indirectly related, 2) the subject properties comprise large acreages and are adjacent to each other 3) the requests are for a very significant amounts of water to be pumped in close proximity to each other and 4) there is another well (previously applied for in 2020) under the Davis Partners entity that further compounds the problem. The combined effect of this significant amount of pumping will lead to “Excessive use of Water” and will no doubt have profound effects on the underground water levels of neighboring land owners.

It is our understanding that these proposed wells would become some of the largest water wells in Bandera County setting a dangerous precedent. Most importantly, our area has a history of experiencing many years of prolonged severe drought. The most recent drought has lingered for the past 15 years with a few good years of rain intermittently. Many of us do not want to relive 2010 to 2012 where many of our good deep wells went dry for the very first time in history. The past year of 2020 was not a good year and 2021 is not shaping up to be any better. These two water well permits are very concerning! I attach the letter from Jeff Braun as he has eloquently expressed many of the questions that we all have on these permits. These entities show little effort to go above and beyond to build into their plans ways to restrict, conserve and responsibly use water whether it be normal times and more importantly drought times.

As concerned landowners of Western Bandera County, we ask that you halt any further approval process of these applications so that additional rigor can be applied to evaluating the proposed applications and their long term impacts on the neighboring wells, and aquifer levels. As Mr. Braun stated, our county is experiencing increased development and Bandera County River and Groundwater District has an obligation to safeguard the county’s water and natural resources by evaluating the long term effects of all applications.

Thank you for the opportunity to express our strong concerns.

Regards,

Ann and Ernst Schneider

Nancy Rinn and Mark Hall

Kathleen Lewis

The following is a transcript of the proceedings of the Senate Committee on Labor and Industry, held on [Date], in the hearing room of the [Building]. The committee was presided over by [Name], and the testimony was given by [Name].

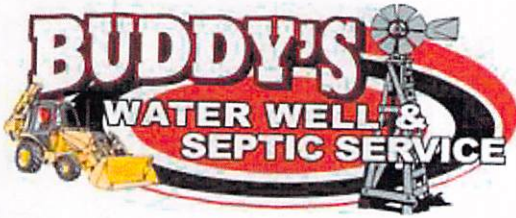
[Name] testified that [Topic] is a significant issue for the state, particularly in the context of [Industry]. She stated that the current regulatory framework is outdated and does not adequately address the challenges posed by [Technology/Innovation].

[Name] also discussed the impact of [Policy] on various sectors of the economy, noting that while it has brought certain benefits, it also imposes significant costs on businesses and consumers alike. She emphasized the need for a more balanced and forward-thinking approach to policy-making.

In response to questions from the committee, [Name] provided detailed information regarding the implementation of [Program], including the timeline and the resources required. She also addressed concerns about the potential for [Issue], assuring the committee that appropriate safeguards are in place.

[Name] concluded her testimony by reiterating her commitment to transparency and public participation in the decision-making process. She expressed her willingness to continue working with the committee and other stakeholders to find a mutually beneficial solution.

The hearing adjourned at [Time].



**P.O. BOX 1855
4855 ST HWY 173 N
BANDERA, TEXAS 78003**

Estimate

Date	Estimate #
3/17/2021	14522

Phone #	Fax #
830-796-3878	830-460-3878

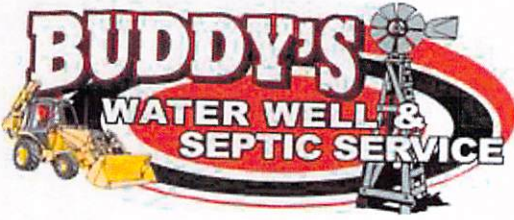
Name / Address
BCRAGD P.O. BOX 177 BANDERA, TEXAS 78003

Ship To

Qty	Item	Description	Cost	Total	P.O. No.
700	DRILLING	700' OF DRILLING 9" HOLE TO TOTAL DEPTH	8.50	5,950.00	
620	CASING	620' OF 4-1/2" CLS250 SDR17 IB SOLID PVC WELL CASING	8.50	5,270.00T	
80	SCREEN	80' OF 4-1/2" CLS250 SDR17 IB PVC SCREEN .032	10.50	840.00T	
3	PACKERS	5" OD X 9" PACKERS	125.00	375.00T	
620	PRESSURE GRO...	PRESSURE GROUTING FROM 0' TO 620'	4.50	2,790.00T	
1	STEEL NIPPLE	STEEL NIPPLE FOR WELL	100.00	100.00T	
1	6 X 6 WELL SLAB	6' X 6' WELL SLAB	250.00	250.00T	
		<p>***WATER IS A NATURAL RESOURCE, THE EXACT DEPTH, QUANTITY OR QUALITY CANNOT BE GUARANTEED. STATE AND COUNTY REGULATIONS REQUIRE THAT CUSTOMER CONTAINS ALL DRILL CUTTINGS AND WATER ON YOUR PROPERTY. WE CAN DIG IT FOR YOU FOR AN ADDITIONAL FEE OF \$500.</p> <p>IF GRAVEL IS ENCOUNTERED WHEN WE BEGIN TO DRILL, 10" PVC SURFACE CASING MAY BE REQUIRED. THE COST OF DRILLING A LARGER HOLE AND INSTALLING THE CASING WILL BE CHARGED AT \$32 PER FOOT.</p> <p>DOWN PAYMENT OF \$8,000.00 FOR DRILLING FEES DUE BEFORE RIG MOVES TO LOCATION. BALANCE DUE DAY WELL IS COMPLETED.</p>			
			Subtotal		
ESTIMATE GOOD ONLY 30 DAYS . FINAL PAYMENT DUE DAY JOB IS COMPLETED					
			Sales Tax (6.75%)		
			Total		

WWW.BSWWS.COM

Signature



**P.O. BOX 1855
4855 ST HWY 173 N
BANDERA, TEXAS 78003**

Estimate

Date	Estimate #
3/17/2021	14522

Phone #	Fax #
830-796-3878	830-460-3878

Name / Address
BCRAGD P.O. BOX 177 BANDERA, TEXAS 78003

Ship To

P.O. No.

Qty	Item	Description	Cost	Total
		IF PAID WITH CREDIT CARD THERE WILL BE A 3.99% CHARGE		
		**** THIS IS ONLY AN ESTIMATE **** YOU WILL BE CHARGED FOR ACTUAL FEET DRILLED, CASING SET, PRESSURE GROUTING, PIPE AND WIRE REQUIRED.		
		ESTIMATE PREPARED BY MELINDA		
			Subtotal	\$15,575.00
ESTIMATE GOOD ONLY 30 DAYS . FINAL PAYMENT DUE DAY JOB IS COMPLETED			Sales Tax (6.75%)	\$649.69
			Total	\$16,224.69

Remember this is an estimate. The final cost of the job being performed will be determined by the labor and supplies actually used to complete the job. We try to give the customer the most accurate estimate as possible.

WWW.BSWWS.COM

Signature _____



Estimate

Date

3/26/2021

BCRAGD
830-796-7260

Prepared By: Chad

Good For 30 Days

Drill water well near Tarpley

PARTS LIST	COST
MOBILIZATION / DEMOBILIZATION	500.00
SET SURFACE CASING	500.00
DRILL, CASE, AND GROUT	15,400.00
DIGGING CONTAINMENT PIT FOR CUTTINGS	1,500.00

ESTIMATED DEPTH OF 700' @ \$22/FT

WELL WILL BE CASED TO BOTTOM WITH 60' OF PERFORATIONS.
CASING WILL BE 4.5" SDR 17 PVC

**THE SURFACE COMPLETION WILL CONSIST OF A STEEL SLEEVE AND
SMALL 1' CIRCULAR CEMENT PAD**

**WELL WILL BE GROUTED/CEMENTED PER STATE AND LOCAL
REGULATIONS**

Estimated Total **\$17,900.00**

Surface steel set deeper than 20' is charged at \$20 per foot.
Total does not reflect sales tax



DK Drilling & Water Systems

PO Box 3040
Bandera, TX 78003

See Testimonials on our website dkwaterwells.com

Water Well Estimate

Date	Estimate #
3/23/2021	10408

SERVING THE HILL COUNTRY FOR ALL YOUR WATER WELL NEEDS SINCE 1978

Name / Address	
BCRAGD	830-796-7260
440 FM 3240	
Bandera, TX 78003	

TX LIC Driller Pump Installer #58618

DK Drilling & Water Systems is regulated by TX Dept of Licensing & Regulations PO Box 12157 Austin, TX 78711 (512) 463-7880 or 1-800-803-9202.

Item	Description	Quantity
Drilling Bandera County 8"	Drilling 8" hole to a total depth	700
Well Casing PP 4.5"	4 1/2" CLS250 SDR17 IB 520/ Lift C-Lock solid PVC well casing	640
Screen Casing PP 4.5"	4 1/2" CLS250 SDR17 IB 520/ Lift C-Lok PVC Screen .032	60
Packers	5" OD X 9" Packers 2 at 580ft and 2 at 600ft	4
Pressure Cementing	Pressure Cementing 0 to 580	580
Well Slab and Sleeve	6 X 6 concrete water well slab and steel sleeve	1
02 Site Work	Site Work for cuttings containment	

****THIS IS AN ESTIMATE****

*** Prices are good for 30 days. You will be charged for actual feet of pipe, wire and materials installed.***

**** A down payment of one-half of estimate is required upon scheduling the job. The balance is due the day of completion of the well. Any other arrangements must be made prior to installation and agreed upon with full understanding by both parties. ****

Subtotal \$17,434.00

Sales Tax (6.75%) \$684.05

Total **\$18,118.05**

Mail Payments to: DK Drilling
PO Box 3040 Bandera, TX 78003

Note: This estimate is for completing the water well or the job described above. This is for the water well ONLY. All equipment will be retrieved from above property if payment is not received in full. Water is a natural resource, the exact depth, quantity, or quality cannot be guaranteed. It is based on our evaluation and does not include material price increases or additional labor and materials which may be required should unforeseen problems or adverse weather conditions arise after the work has started. DK Drilling will not be responsible if any of the unforeseen events mentioned above occur. DK Drilling will not be responsible for the removal or handling of drill cuttings. Any dirt work, mud pits or berms required to contain drill cuttings will be the responsibility of the customer at an additional cost. State and County Regulations require that customer contains all drill cuttings and water on your property. If gravel is encountered when we begin to drill 10" PVC Surface Casing will be used and the customer will be charged the difference. PLEASE NOTE: This is for the completion of the well ONLY. The hook up is not included in the estimate. We can hook the water well up to your residence/building at an additional cost.

Customer Signature: _____

Date: _____

Waterboyz, LLC

830-796-9355

PO Box 610

Estimate

Date	Estimate #
3/25/2021	1455

Name / Address
BCRAGD - Monitor Well FM 470

Project

Description	Qty	Rate	Total
Labor and materials to drill, case, and pressure grout a 700' Monitor Well on Hwy 470 - west of Tarpley, TX:			
Drilling 9" hole to total depth - feet	700	10.00	7,000.00
4 1/2" Certalok SDR-17 Solid casing - feet	640	9.50	6,080.00
4 1/2" Certalok SDR-17 - .032 gauge screen - feet	60	13.00	780.00
Pressure grouting from 0' - 500' - feet	500	4.50	2,250.00
5" OD x 9" OD Packers set a 500' & 520'	2	125.00	250.00
6 x 6 preformed well slab	1	425.00	425.00
Digging mud pit and burying cuttings when well is complete		500.00	500.00

Thank you for the opportunity to bid this project.

Subtotal

Sales Tax (6.75%)

Total

Waterboyz, LLC

830-796-9355

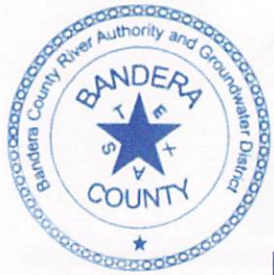
PO Box 610

Estimate

Date	Estimate #
3/25/2021	1455

Name / Address
BCRAGD - Monitor Well FM 470

			Project
Description	Qty	Rate	Total
<p>THIS IS AN ESTIMATE. You will be charged for the actual feet drilled, casing installed, pressure grouting and cementing required in the well. If gravel is encountered when we begin to drill 10" PVC Surface Casing may be required. The cost of drilling a larger hole and installing the casing will be charged at</p> <p>A down payment of one-half of estimate is due when we move to the job sight. The balance is due when the well is completed. Any other arrangements must be made prior to drilling.</p> <p>Water is a natural resource. Waterboyz, LLC cannot guarantee quantity or quality of the water. Customer is responsible for the water and cuttings to be retained on their property.</p> <p>Waterboyz, LLC is regulated by: The Texas Dept. of Licensing & Regulations. P O Box 12157 0 Austin, TX 78711 512-463-7880 or 1-800-803-9202</p> <p>Licensed Driller/Pump Installer - Reed Scruby - Lic. #54402</p>		0.00	0.00
Thank you for the opportunity to bid this project.		Subtotal	\$17,285.00
		Sales Tax (6.75%)	\$0.00
		Total	\$17,285.00



Bandera County

River Authority and Groundwater District

Protecting & Preserving our Natural Resources

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Bob Williams
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Secretary-Treasurer

Ernest DeWinne
Director

Conrad Striegl
Director

Gene Wehmeyer
Director

Sid Gibson
Director

Rachel Mulherin
Director

General Manager
Dave Mauk

P.O. Box 177
440 FM3240
Bandera, Texas
78003

Phone: (830)796-7260

www.bcragd.org

RESOLUTION IN SUPPORT OF HB 4146 and SB 1747 being considered in the 87th Session of the Texas Legislature to prohibit the permitting of wastewater discharge to certain classified stream segments and assessment units with proven non-detectable levels of nutrients present over the past ten years.

WHEREAS, clean, clear, pristine rivers, streams, creeks and lakes within Texas support the state's visitor and recreation-based economy and contribute to the value of private lands that lie along them; and

WHEREAS, their water is clear and pristine because it carries almost no nutrients, like phosphorus; and

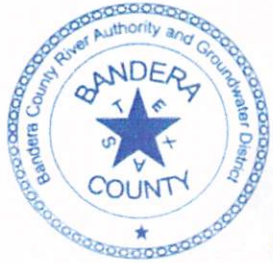
WHEREAS, Total Phosphorus has been monitored by TCEQ over the past ten years and that data is certified and stored in the agency's official Surface Water Quality Monitoring database; and

WHEREAS, this data shows that a small number of these water bodies have shown an amount of the Total Phosphorus has been below detectable levels (.06 mg/l) in 90% of all samples taken from them.

WHEREAS, treated wastewater contains phosphorus and other nutrients in far higher concentrations than has existed in this pristine water and will degrade water quality and may result in algal blooms, fish kills, and interruption of recreational use, and

The principle mission of the Bandera County River Authority & Groundwater District is to protect and preserve the County's water and natural resources for the State of Texas. The District is also tasked with maintaining local accountability of the County's resources to safeguard the property rights of the citizens of Bandera County.

Our Mission



Bandera County

River Authority and Groundwater District

Protecting & Preserving our Natural Resources

Board of Directors

Don Sloan
President

Bob Williams
Vice-President

Neil Boultinghouse
Secretary-Treasurer

Ernest DeWinne
Director

Conrad Striegl
Director

Gene Wehmeyer
Director

Sid Gibson
Director

Rachel Mulherin
Director

General Manager
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WHEREAS, this pristine water can be protected by prohibiting direct discharge of treated wastewater and instead requiring alternative means of disposal through land application, reuse or other means; and

WHEREAS, the Bandera County River Authority and Groundwater District recognizes the value of this pristine water to the environment and economy of the State.

NOW, THEREFORE, BE IT RESOLVED BY THE BANDERA COUNTY RIVER AUTHORITY AND GROUNDWATER DISTRICT BOARD OF DIRECTORS:

PASSED AND APPROVED THIS 8th DAY OF APRIL, 2021.

Bandera County River Authority and Groundwater District Board President

The principle mission of the Bandera County River Authority & Groundwater District is to protect and preserve the County's water and natural resources for the State of Texas. The District is also tasked with maintaining local accountability of the County's resources to safeguard the property rights of the citizens of Bandera County.

Our Mission

**Bandera County River Authority and Ground Water District
Funds Report
at March 31, 2021**

Total Funds - All Bank Accounts	620,095
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Cash Accounts	
BCRAGD Operating Account - Bandera Bank (See Funds Breakdown -Below)	513,278
Flood Project Checking - Texas Hill Country Bank	30,025
Petty Cash	200
Total - Cash Accounts	543,503

Certificates of Deposit	
CD # 51127 Hondo National Bank 6 Month CD Maturity Date - 2/06/21 .35%	76,593
Total - CD's	76,593

Funds Breakdown	
Flood Project Funds In BCRAGD Operating Account	-
Flood Project Funds In THCB Flood Project Account	30,025
Total - Non-Designated Funds	518,788
Total - Designated Funds (from list below)	71,282
Total - All Funds	620,095

Designated Funds Breakdown	
1. State Auditor	10,000
2. Well Monitoring and Water Availability	35,000
3. Scientific Studies	382
4. Building, Property Improvement & Maintenance	25,900
Total	71,282

Public Funds Investment Officer #1

Public Funds Investment Officer #2

Bandera Co. River Auth. & Groundwater Dist.
Profit & Loss Budget vs. Actual
October 2020 through March 2021

	Oct '20 - Mar 21	Budget	\$ Over Budget	% of Budget
Ordinary Income/Expense				
Income				
Tax Revenue	914,832.44	1,039,000.00	-124,167.56	88.05%
Well Permits	16,675.00	20,000.00	-3,325.00	83.38%
Interest Income	274.37	520.00	-245.63	52.76%
Water Quality Testing Fees	1,810.00	6,000.00	-4,190.00	30.17%
USGS Gauge Station (BEC) & (BC)	6,800.00	6,800.00	0.00	100.0%
Flood Project Funding-Partners	0.00	40,000.00	-40,000.00	0.0%
Miscellaneous Income	15,100.00	2,500.00	12,600.00	604.0%
Total Income	955,491.81	1,114,820.00	-159,328.19	85.71%
Gross Profit	955,491.81	1,114,820.00	-159,328.19	85.71%
Expense				
Payroll Expense				
Wellness Stipend	2,520.00			
Staff Payroll (Wages)	264,455.04	513,350.00	-248,894.96	51.52%
Employee Health Insurance	55,444.54	92,000.00	-36,555.46	60.27%
Retirement	7,320.32	16,500.00	-9,179.68	44.37%
Total Payroll Expense	329,739.90	621,850.00	-292,110.10	53.03%
Taxes and Fees				
Appraisal District	15,264.10	27,000.00	-11,735.90	56.53%
Payroll Tax - Social Sec. & Med	20,486.91	31,000.00	-10,513.09	66.09%
State Unemployment - TWC	1,440.00	4,000.00	-2,560.00	36.0%
Total Taxes and Fees	37,191.01	62,000.00	-24,808.99	59.99%
Insurance				
Auto Liability	1,659.14			
Errors and Omissions	678.16			
General Liability	234.22			
Property - Auto	1,837.50			
Property - Equipment	168.56			
Property Real & Personal	777.14			
Workers Comp	2,161.16			
Insurance - Other	0.00	11,000.00	-11,000.00	0.0%
Total Insurance	7,515.88	11,000.00	-3,484.12	68.33%
Prof. Services				
Auditor (Annual)	4,600.00	4,500.00	100.00	102.22%
Bookkeeper	6,825.00	10,500.00	-3,675.00	65.0%
Attorney	17,571.46	70,000.00	-52,428.54	25.1%
Legislative Lobbying	23,300.00	25,500.00	-2,200.00	91.37%
Technical Support - IT	6,000.00	12,000.00	-6,000.00	50.0%
Total Prof. Services	58,296.46	122,500.00	-64,203.54	47.59%

Bandera Co. River Auth. & Groundwater Dist.
Profit & Loss Budget vs. Actual
October 2020 through March 2021

	Oct '20 - Mar 21	Budget	\$ Over Budget	% of Budget
Operating Expenses				
Bldg-Property Improv. & Maint.	4,829.25	20,000.00	-15,170.75	24.15%
Medina Lake Annex Office (rent)	4,200.00	3,600.00	600.00	116.67%
Computer Software & Supplies	1,697.94	5,000.00	-3,302.06	33.96%
Google Aps for Business	994.04	3,000.00	-2,005.96	33.14%
Contingencies	0.00	1,000.00	-1,000.00	0.0%
Dues, Fees & Subscriptions	3,972.70	3,000.00	972.70	132.42%
Office Security	3,870.00	8,000.00	-4,130.00	48.38%
Employee-Training,Cert.,Licens.	1,275.00	8,000.00	-6,725.00	15.94%
Travel, Conference, Meetings	954.30	15,000.00	-14,045.70	6.36%
Furniture	0.00	1,000.00	-1,000.00	0.0%
Equipment & Supplies	3,684.37	17,500.00	-13,815.63	21.05%
Website	0.00	5,000.00	-5,000.00	0.0%
Office Supplies	1,589.55	7,000.00	-5,410.45	22.71%
Postage	441.80	850.00	-408.20	51.98%
Utilities				
Electric	1,125.33			
Water	718.67			
Telephone	4,885.73			
Internet	1,553.22			
Utilities - Other	0.00	18,000.00	-18,000.00	0.0%
Total Utilities	8,282.95	18,000.00	-9,717.05	46.02%
Vehicle				
Gas	1,971.52			
Repair & Maintenance	15,525.66			
Mileage reimbursement	792.32			
Vehicle - Other	0.00	21,390.00	-21,390.00	0.0%
Total Vehicle	18,289.50	21,390.00	-3,100.50	85.51%
Water Quality-Conserv. Projects	1,063.79	8,000.00	-6,936.21	13.3%
Clean River Program	1,739.45	8,000.00	-6,260.55	21.74%
Illegal Dumping-Litter Aabate	0.00	1,000.00	-1,000.00	0.0%
Water Test Supplies	2,176.16	9,000.00	-6,823.84	24.18%
Aquifer Monitoring Wells	1,518.42	1,500.00	18.42	101.23%
Well Logging & Equipment	26.35	1,000.00	-973.65	2.64%
Well Plugging	0.00	5,000.00	-5,000.00	0.0%
Brush Control - Arundo Donax	3,500.00	5,000.00	-1,500.00	70.0%
Invasives - Zebra Mussels	0.00	1,000.00	-1,000.00	0.0%
Riparian Projects	0.00	1,000.00	-1,000.00	0.0%
Flood Awareness- Rainfall Prog.	99.98			
USGS Flood Warning Project	0.00	40,000.00	-40,000.00	0.0%

Bandera Co. River Auth. & Groundwater Dist.
Profit & Loss Budget vs. Actual
 October 2020 through March 2021

	Oct '20 - Mar 21	Budget	\$ Over Budget	% of Budget
Medina Lake Water Quality USGS	0.00	16,650.00	-16,650.00	0.0%
USGS - Gauge Total	19,400.00	30,600.00	-11,200.00	63.4%
USGS Gauge - NW Bandera County	0.00	6,380.00	-6,380.00	0.0%
GMA-9 / DFC Compliance	0.00	3,500.00	-3,500.00	0.0%
Total Operating Expenses	83,605.55	274,970.00	-191,364.45	30.41%
Payroll Expenses - Do Not Use	193.64			
Community Outreach				
Education & Notices	5,263.88	5,500.00	-236.12	95.71%
Bandera, Medina, Utopia, ISD	0.00	5,000.00	-5,000.00	0.0%
Public Relations	1,013.09	5,000.00	-3,986.91	20.26%
Texas A & M 4H Youth Water AMB	0.00	500.00	-500.00	0.0%
EYH - Training-Future Scientist	0.00	1,000.00	-1,000.00	0.0%
Flood Awareness Education	0.00	1,500.00	-1,500.00	0.0%
Texas Water Foundation	0.00	3,000.00	-3,000.00	0.0%
Medina River Clean Up	0.00	1,000.00	-1,000.00	0.0%
Total Community Outreach	6,276.97	22,500.00	-16,223.03	27.9%
Total Expense	522,819.41	1,114,820.00	-592,000.59	46.9%
To / From Reserves	432,672.40			

Bandera Co. River Auth. & Groundwater Dist.
Report of Revenue & Expenditures
 January through March 2021

	Jan - Mar 21	Oct '20 - Mar 21
Ordinary Income/Expense		
Income		
Tax Revenue	686,581.24	914,832.44
Well Permits	9,925.00	16,675.00
Interest Income	185.90	274.37
Water Quality Testing Fees	785.00	1,810.00
USGS Gauge Station (BEC) & (BC)	6,800.00	6,800.00
Miscellaneous Income	100.00	15,100.00
Total Income	704,377.14	955,491.81
Gross Profit	704,377.14	955,491.81
Expense		
Payroll Expense		
Wellness Stipend	1,260.00	2,520.00
Staff Payroll (Wages)	133,894.20	284,455.04
Employee Health Insurance	23,261.53	55,444.54
Retirement	3,710.16	7,320.32
Total Payroll Expense	162,125.89	329,739.90
Taxes and Fees		
Appraisal District	7,632.05	15,264.10
Payroll Tax - Social Sec. & Med	10,373.72	20,486.91
State Unemployment - TWC	1,440.00	1,440.00
Total Taxes and Fees	19,445.77	37,191.01
Insurance		
Auto Liability	0.00	1,659.14
Errors and Omissions	0.00	678.16
General Liability	0.00	234.22
Property - Auto	0.00	1,837.50
Property - Equipment	0.00	168.56
Property Real & Personal	0.00	777.14
Workers Comp	0.00	2,161.16
Total Insurance	0.00	7,515.88
Prof. Services		
Auditor (Annual)	4,600.00	4,600.00
Bookkeeper	2,275.00	6,825.00
Attorney	315.00	17,571.46
Legislative Lobbying	12,000.00	23,300.00
Technical Support - IT	6,000.00	6,000.00
Total Prof. Services	25,190.00	58,296.46
Operating Expenses		
Bldg-Property Improv. & Maint.	2,630.43	4,829.25
Medina Lake Annex Office (rent)	2,400.00	4,200.00
Computer Software & Supplies	1,178.88	1,697.94
Google Aps for Business	498.90	994.04
Dues, Fees & Subscriptions	743.71	3,972.70
Office Security	1,935.00	3,870.00
Employee-Training,Cert.,Licens.	1,075.00	1,275.00
Travel, Conference, Meetings	172.48	954.30
Equipment & Supplies	1,518.52	3,684.37
Office Supplies	681.38	1,589.55
Postage	168.70	441.80
Utilities		
Electric	430.01	1,125.33
Water	358.21	718.67
Telephone	2,214.51	4,885.73
Internet	707.64	1,553.22
Total Utilities	3,710.37	8,282.95

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 04/01/21
 Accrual Basis

Bandera Co. River Auth. & Groundwater Dist.
Report of Revenue & Expenditures
 January through March 2021

	Jan - Mar 21	Oct '20 - Mar 21
Vehicle		
Gas	1,085.24	1,971.52
Repair & Maintenance	11,903.98	15,525.66
Mileage reimbursement	481.82	792.32
Total Vehicle	13,471.04	18,289.50
Water Quality-Conserv. Projects	250.00	1,063.79
Clean River Program	524.45	1,739.45
Water Test Supplies	1,332.85	2,176.16
Aquifer Monitoring Wells	14.00	1,518.42
Well Logging & Equipment	0.00	26.35
Brush Control - Arundo Donax	0.00	3,500.00
Flood Awareness- Rainfall Prog.	99.98	99.98
USGS - Gauge Total	19,400.00	19,400.00
Total Operating Expenses	51,805.69	83,605.55
Payroll Expenses - Do Not Use	193.64	193.64
Community Outreach		
Education & Notices	40.00	5,263.88
Public Relations	900.00	1,013.09
Total Community Outreach	940.00	6,276.97
Total Expense	259,700.99	522,819.41
Net Ordinary Income	444,676.15	432,672.40
Other Income/Expense		
Other Income		
GMA 9 Dues	6,964.65	6,964.65
Total Other Income	6,964.65	6,964.65
Net Other Income	6,964.65	6,964.65
Net Income	451,640.80	439,637.05

Bandera Co. River Auth. & Groundwater Dist.

Balance Sheet

As of March 31, 2021

04/01/21

Accrual Basis

	Mar 31, 21
ASSETS	
Current Assets	
Checking/Savings	
Checking - Bandera Bank	513,277.54
CD's	
CD # 51127 Hondo National Bank	76,592.55
Total CD's	76,592.55
Petty Cash	200.00
Total Checking/Savings	590,070.09
Accounts Receivable	
GMA 9 Accounts Receivable	2,917.20
Total Accounts Receivable	2,917.20
Other Current Assets	
Flood Project Funding Receivabl	24.99
Due from BCAD	757.05
Prepaid Expenses	6,553.87
Property Tax Receivable	58,235.81
Total Other Current Assets	65,571.72
Total Current Assets	658,559.01
TOTAL ASSETS	658,559.01
LIABILITIES & EQUITY	
Liabilities	
Current Liabilities	
Accounts Payable	
Accounts Payable	17,840.00
Total Accounts Payable	17,840.00
Other Current Liabilities	
Payroll Liabilities	1,524.00
Simple IRA Payable	2,648.26
Deferred Revenue	58,235.81
Total Other Current Liabilities	62,408.07
Total Current Liabilities	80,248.07
Total Liabilities	80,248.07
Equity	
Restricted Fund Equity	71,282.00
Retained Earnings	67,391.89
Net Income	439,637.05
Total Equity	578,310.94
TOTAL LIABILITIES & EQUITY	658,559.01

Bandera Co. River Auth. & Groundwater Dist.

4/1/2021 2:08 PM

Register: Checking - Bandera Bank
 From 01/01/2021 through 03/31/2021
 Sorted by: Date, Type, Number/Ref

Date	Number	Payee	Account	Memo	Payment	C	Deposit	Balance
01/06/2021			-split-	Deposit		X	152,204.52	215,878.52
01/06/2021	14418	B. Dalton Bookkeepi...	Accounts Payable	Inv#8516	455.00	X		215,423.52
01/06/2021	14419	Berman Database Sy...	Accounts Payable	Inv#BDS 9264...	3,000.00	X		212,423.52
01/06/2021	14420	City of Bandera	Accounts Payable	S45000	119.19	X		212,304.33
01/06/2021	14421	Culligan of the Hill ...	Accounts Payable	Inv#20210152...	68.75	X		212,235.58
01/06/2021	14422	HACH	Accounts Payable	172238-001	396.96	X		211,838.62
01/06/2021	14423	Xerox Financial Serv...	Accounts Payable	010-0038073-0...	276.35	X		211,562.27
01/06/2021	14424	B. Dalton Bookkeepi...	Accounts Payable	Inv#8517	455.00	X		211,107.27
01/06/2021	14425	Berman Database Sy...	Accounts Payable	Inv#BDS 9565...	3,000.00	X		208,107.27
01/11/2021	14426	Bandera Electric Coo...	Accounts Payable	02 S36830 001...	140.38	X		207,966.89
01/11/2021	14427	Brutal Off-Road	Accounts Payable	Estimate#173: ...	4,245.79	X		203,721.10
01/11/2021	14428	Dave Mauk	Accounts Payable	01/05/2021-TX...	164.08	X		203,557.02
01/11/2021	14429	Ede & Company, LLC	Accounts Payable	Inv#4138: Ann...	4,600.00	X		198,957.02
01/11/2021	14430	GM Ellis Law Firm PC	Accounts Payable	Inv#BCRAGD-...	3,000.00	X		195,957.02
01/11/2021	14431	Propane Depot, Inc.	Accounts Payable	Inv#121865 I/...	526.00	X		195,431.02
01/11/2021	14432	Wex Bank	Accounts Payable	Inv#69511078:...	233.59	X		195,197.43
01/12/2021	ACH	Vanguard	-split-		2,648.26	X		192,549.17
01/13/2021			-split-	Deposit		X	131,883.50	324,432.67
01/13/2021	14433	Brutal Off-Road	Accounts Payable	Estimate #353: ...	1,424.05	X		323,008.62
01/13/2021	14434	Tivy Air Cooling & ...	Accounts Payable	Inv#3813	215.00	X		322,793.62
01/14/2021		QuickBooks Payroll ...	-split-	Created by Pay...	16,449.44	X		306,344.18
01/15/2021	EFTPS	United States Treasury	-split-	74-2576034	7,191.98	X		299,152.20
01/15/2021	DD	Blair, Prari D	-split-	Direct Deposit		X		299,152.20
01/15/2021	DD	Carter, Clinton R	-split-	Direct Deposit		X		299,152.20
01/15/2021	DD	Curd, Charley	-split-	Direct Deposit		X		299,152.20
01/15/2021	DD	Fox, Corrina D	-split-	Direct Deposit		X		299,152.20
01/15/2021	DD	Balzen, Alyssa B	-split-	Direct Deposit		X		299,152.20
01/15/2021	DD	Mauk, David A	-split-	Direct Deposit		X		299,152.20
01/15/2021	DD	McEwen, George J	-split-	Direct Deposit		X		299,152.20
01/15/2021	DD	Phillips, Hayli D	-split-	Direct Deposit		X		299,152.20
01/15/2021	DD	Sparks, Levi L.	-split-	Direct Deposit		X		299,152.20
01/15/2021	DD	Thomas, Larry B	-split-	Direct Deposit		X		299,152.20
01/18/2021	14435	AT&T Mobility	Accounts Payable	Inv#X0103202...	114.81	X		299,037.39
01/20/2021			-split-	Deposit		X	168,129.94	467,167.33
01/20/2021	14436	BPS Security	Accounts Payable	Inv#896; Cust I...	645.00	X		466,522.33
01/20/2021	14437	Brutal Off-Road	Accounts Payable	Estimate #382: ...	664.15	X		465,858.18
01/20/2021	14438	Hayli Phillips	Accounts Payable	1/12/2021 & 1/...	70.78	X		465,787.40
01/20/2021	14439	Vincent's Automotive	Accounts Payable	Repair Order#3...	559.47	X		465,227.93
01/20/2021	14440	Brutal Off-Road	Accounts Payable	Repair Order#3...	901.66	X		464,326.27
01/25/2021	14441	Vincent's Automotive	Accounts Payable	Repair Order#3...	114.97	X		464,211.30

Bandera Co. River Auth. & Groundwater Dist.

4/1/2021 2:08 PM

Register: Checking - Bandera Bank

From 01/01/2021 through 03/31/2021

Sorted by: Date, Type, Number/Ref

Date	Number	Payee	Account	Memo	Payment	C	Deposit	Balance
01/25/2021	14442	Vincent's Automotive	Accounts Payable	Repair Order# ...	973.45	X		463,237.85
01/25/2021	14443	Vincent's Automotive	Accounts Payable	Repair Order#3...	906.39	X		462,331.46
01/25/2021	14444	HACH	Accounts Payable	172238-001	57.43	X		462,274.03
01/25/2021	14445	United Health Care	Accounts Payable	Inv#57126118...	6,719.58	X		455,554.45
01/25/2021	14446	Xerox Financial Serv...	Accounts Payable	010-0038073-0...	276.35	X		455,278.10
01/26/2021			-split-	Deposit		X	685.00	455,963.10
01/26/2021	14447	Card Service Center	Accounts Payable	12/9/2020-1/8/...	1,720.33	X		454,242.77
01/26/2021	14448	Dave Mauk	Accounts Payable	01/112021-01/...	153.44	X		454,089.33
01/26/2021	14449	HACH	Accounts Payable	172238-001	211.47	X		453,877.86
01/28/2021		QuickBooks Payroll ...	-split-	Created by Pay...	16,449.49	X		437,428.37
01/29/2021	EFTPS	United States Treasury	-split-	74-2576034	7,191.86	X		430,236.51
01/29/2021	DD	Blair, Prari D	-split-	Direct Deposit		X		430,236.51
01/29/2021	DD	Carter, Clinton R	-split-	Direct Deposit		X		430,236.51
01/29/2021	DD	Curd, Charley	-split-	Direct Deposit		X		430,236.51
01/29/2021	DD	Fox, Corrina D	-split-	Direct Deposit		X		430,236.51
01/29/2021	DD	Balzen, Alyssa B	-split-	Direct Deposit		X		430,236.51
01/29/2021	DD	Mauk, David A	-split-	Direct Deposit		X		430,236.51
01/29/2021	DD	McEwen, George J	-split-	Direct Deposit		X		430,236.51
01/29/2021	DD	Phillips, Hayli D	-split-	Direct Deposit		X		430,236.51
01/29/2021	DD	Sparks, Levi L.	-split-	Direct Deposit		X		430,236.51
01/29/2021	DD	Thomas, Larry B	-split-	Direct Deposit		X		430,236.51
01/31/2021			Interest Income	Interest		X	24.45	430,260.96
02/01/2021	14450	B. Dalton Bookkeepi...	Accounts Payable	Inv#8544	455.00	X		429,805.96
02/01/2021	14451	Bandera Electric Coo...	Accounts Payable	02 S36830 001...	686.13	X		429,119.83
02/01/2021	14452	City of Bandera	Accounts Payable	S45000	119.19	X		429,000.64
02/01/2021	14453	Culligan of the Hill ...	Accounts Payable	Inv#20210252...	68.75	X		428,931.89
02/01/2021	14454	GM Ellis Law Firm PC	Accounts Payable	Inv#BCRAGD-...	3,000.00	X		425,931.89
02/01/2021	14455	IDEXX Distribution,...	Accounts Payable	Inv#30780354...	937.07	X		424,994.82
02/01/2021	14456	Jason Casteel	Accounts Payable	Inv#00127202...	900.00	X		424,094.82
02/01/2021	14457	QUILL CORPORAT...	Accounts Payable	02045415	237.90	X		423,856.92
02/01/2021	14458	United States Geolog...	Accounts Payable	Bill#90843107...	9,700.00	X		414,156.92
02/01/2021	14459	Araseli Avalos	Accounts Payable	Inv#AA2071: ...	150.00	X		414,006.92
02/01/2021	14460	Araseli Avalos	Accounts Payable	Inv#AA2072: ...	150.00	X		413,856.92
02/03/2021			-split-	Deposit		X	151,487.31	565,344.23
02/03/2021	14461	Boyle's Bandera Har...	Accounts Payable	Inv#254713 ; ...	10.28	X		565,333.95
02/03/2021	14462	Dave Mauk	Accounts Payable	02/02/2021 Mil...	93.52	X		565,240.43
02/04/2021	ACH	Vanguard	-split-		2,648.26	X		562,592.17
02/08/2021	14463	Bandera Electric Coo...	Accounts Payable	02 S36830 001...	140.38	X		562,451.79
02/08/2021	14464	QUILL CORPORAT...	Accounts Payable	02045415	132.95	X		562,318.84
02/08/2021	14465	The Bandera Prophet	Accounts Payable	Public Notice ...	40.00	X		562,278.84

Bandera Co. River Auth. & Groundwater Dist.

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Register: Checking - Bandera Bank
 From 01/01/2021 through 03/31/2021
 Sorted by: Date, Type, Number/Ref

Date	Number	Payee	Account	Memo	Payment	C	Deposit	Balance
02/08/2021	14466	Wex Bank	Accounts Payable	Inv#70055124 ...	263.12	X		562,015.72
02/08/2021	14467	Xerox Business Solut...	Accounts Payable	Inv#IN256514...	44.06	X		561,971.66
02/10/2021			-split-	Deposit		X	4,254.25	566,225.91
02/12/2021		QuickBooks Payroll ...	-split-	Created by Pay...	16,450.60	X		549,775.31
02/15/2021	EFTPS	United States Treasury	-split-	74-2576034	7,191.97	X		542,583.34
02/15/2021	DD	Balzen, Alyssa B	-split-	Direct Deposit		X		542,583.34
02/15/2021	DD	Blair, Prari D	-split-	Direct Deposit		X		542,583.34
02/15/2021	DD	Carter, Clinton R	-split-	Direct Deposit		X		542,583.34
02/15/2021	DD	Curd, Charley	-split-	Direct Deposit		X		542,583.34
02/15/2021	DD	Fox, Corrina D	-split-	Direct Deposit		X		542,583.34
02/15/2021	DD	Mauk, David A	-split-	Direct Deposit		X		542,583.34
02/15/2021	DD	McEwen, George J	-split-	Direct Deposit		X		542,583.34
02/15/2021	DD	Phillips, Hayli D	-split-	Direct Deposit		X		542,583.34
02/15/2021	DD	Sparks, Levi L.	-split-	Direct Deposit		X		542,583.34
02/15/2021	DD	Thomas, Larry B	-split-	Direct Deposit		X		542,583.34
02/22/2021	14468	B. Dalton Bookkeepi...	Accounts Payable	Inv#8558	455.00	X		542,128.34
02/22/2021	14469	BPS Security	Accounts Payable	Inv#946: Alar...	645.00			541,483.34
02/22/2021	14470	AT&T Mobility	Accounts Payable	Inv#X0203202...	114.84	X		541,368.50
02/22/2021	14471	United Health Care	Accounts Payable	3/01/2021-03/3...	9,746.52	X		531,621.98
02/22/2021	14472	Xerox Financial Serv...	Accounts Payable	010-0038073-0...	276.35	X		531,345.63
02/25/2021			-split-	Deposit		X	66,986.29	598,331.92
02/25/2021		QuickBooks Payroll ...	-split-	Created by Pay...	16,450.61	X		581,881.31
02/26/2021	EFTPS	United States Treasury	-split-	74-2576034	7,191.91	X		574,689.40
02/26/2021	DD	Balzen, Alyssa B	-split-	Direct Deposit		X		574,689.40
02/26/2021	DD	Blair, Prari D	-split-	Direct Deposit		X		574,689.40
02/26/2021	DD	Carter, Clinton R	-split-	Direct Deposit		X		574,689.40
02/26/2021	DD	Curd, Charley	-split-	Direct Deposit		X		574,689.40
02/26/2021	DD	Fox, Corrina D	-split-	Direct Deposit		X		574,689.40
02/26/2021	DD	Mauk, David A	-split-	Direct Deposit		X		574,689.40
02/26/2021	DD	McEwen, George J	-split-	Direct Deposit		X		574,689.40
02/26/2021	DD	Phillips, Hayli D	-split-	Direct Deposit		X		574,689.40
02/26/2021	DD	Sparks, Levi L.	-split-	Direct Deposit		X		574,689.40
02/26/2021	DD	Thomas, Larry B	-split-	Direct Deposit		X		574,689.40
02/28/2021			Interest Income	Interest		X	42.06	574,731.46
03/01/2021	14473	Card Service Center	Accounts Payable	XXXX-0067: 1...	5,172.19	X		569,559.27
03/01/2021	14474	Araseli Avalos	Accounts Payable	Inv#AA2073: ...	150.00	X		569,409.27
03/01/2021	14475	Bandera Electric Coo...	Accounts Payable	02 S36830 001...	671.14	X		568,738.13
03/01/2021	14476	City of Bandera	Accounts Payable	S45000	119.83	X		568,618.30
03/01/2021	14477	Culligan of the Hill ...	Accounts Payable	Inv#20210352...	25.75	X		568,592.55
03/01/2021	14478	IDEXX Distribution,...	Accounts Payable	Inv#30797978...	184.31	X		568,408.24

Bandera Co. River Auth. & Groundwater Dist.

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 From 01/01/2021 through 03/31/2021
 Sorted by: Date, Type, Number/Ref

Date	Number	Payee	Account	Memo	Payment	C	Deposit	Balance
03/01/2021	14479	Araseli Avalos	Accounts Payable	Inv#AA2074: ...	150.00	X		568,258.24
03/03/2021			-split-	Deposit		X	7,375.56	575,633.80
03/04/2021	ACH	Vanguard	-split-		2,648.26	X		572,985.54
03/08/2021	14480	B. Dalton Bookkeepi...	Accounts Payable	Inv#8569	455.00	X		572,530.54
03/08/2021	14481	Bandera Electric Coo...	Accounts Payable	02 S36830 001...	140.38	X		572,390.16
03/08/2021	14482	Boyle's Bandera Har...	Accounts Payable	Inv#255813; A...	53.31			572,336.85
03/08/2021	14483	Central Appraisal Di...	Accounts Payable	Inv#188: 2nd ...	7,632.05			564,704.80
03/08/2021	14484	GM Ellis Law Firm PC	Accounts Payable	Inv#BCRAGD-...	3,000.00			561,704.80
03/08/2021	14485	Hill Country Pest Co...	Accounts Payable	Inv#475527: A...	55.00	X		561,649.80
03/08/2021	14486	Propane Depot, Inc.	Accounts Payable	Inv#126431;Sa...	373.43	X		561,276.37
03/08/2021	14487	Tripp's Tire.	Accounts Payable	Service 2/1/202...	16.50	X		561,259.87
03/10/2021			-split-	Deposit		X	2,622.57	563,882.44
03/10/2021	D	Wright Express (Wex)	Operating Expenses:Ve...		588.53	X		563,293.91
03/10/2021	14488	AT&T Mobility	Accounts Payable	Acct#2873010...	114.84	X		563,179.07
03/10/2021	14489	Hill Country Embroi...	Accounts Payable	Inv#4578: Dist...	24.00	X		563,155.07
03/12/2021		QuickBooks Payroll ...	-split-	Created by Pay...	16,450.65	X		546,704.42
03/15/2021	EFTPS	United States Treasury	-split-	74-2576034	7,191.90	X		539,512.52
03/15/2021	DD	Balzen, Alyssa B	-split-	Direct Deposit		X		539,512.52
03/15/2021	DD	Blair, Prari D	-split-	Direct Deposit		X		539,512.52
03/15/2021	DD	Carter, Clinton R	-split-	Direct Deposit		X		539,512.52
03/15/2021	DD	Curd, Charley	-split-	Direct Deposit		X		539,512.52
03/15/2021	DD	Fox, Corrina D	-split-	Direct Deposit		X		539,512.52
03/15/2021	DD	Mauk, David A	-split-	Direct Deposit		X		539,512.52
03/15/2021	DD	McEwen, George J	-split-	Direct Deposit		X		539,512.52
03/15/2021	DD	Phillips, Hayli D	-split-	Direct Deposit		X		539,512.52
03/15/2021	DD	Sparks, Levi L.	-split-	Direct Deposit		X		539,512.52
03/15/2021	DD	Thomas, Larry B	-split-	Direct Deposit		X		539,512.52
03/17/2021			-split-	Deposit		X	14,310.18	553,822.70
03/17/2021	14490	Cohn Insurance Age...	Accounts Payable	Inv#MA2013: ...	900.00	X		552,922.70
03/22/2021	14491	BPS Security	Accounts Payable	Inv#990: Custl...	645.00			552,277.70
03/22/2021	14492	Mosty Law Firm	Accounts Payable	Inv#12598: Ge...	315.00	X		551,962.70
03/22/2021	14493	United Health Care	Accounts Payable	Inv#57126134...	6,795.43	X		545,167.27
03/22/2021	14494	Xerox Financial Serv...	Accounts Payable	010-0038073-0...	276.35			544,890.92
03/22/2021	14495	Card Service Center	Accounts Payable	2/6/21-3/8/21: ...	2,072.52			542,818.40
03/24/2021			-split-	Deposit		X	9,669.07	552,487.47
03/24/2021	14496	Araseli Avalos	Accounts Payable	Inv#AA2075: ...	150.00			552,337.47
03/24/2021	14497	B. Dalton Bookkeepi...	Accounts Payable	Inv#8584	455.00			551,882.47
03/24/2021	14498	United States Geolog...	Accounts Payable	Inv#90830580:...	9,700.00			542,182.47
03/24/2021	14499	Araseli Avalos	Accounts Payable	Inv#AA2076: ...	225.00			541,957.47
03/24/2021	14500	B. Dalton Bookkeepi...	Accounts Payable	Inv#8585	455.00			541,502.47

Bandera Co. River Auth. & Groundwater Dist.

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Register: Checking - Bandera Bank
 From 01/01/2021 through 03/31/2021
 Sorted by: Date, Type, Number/Ref

Date	Number	Payee	Account	Memo	Payment	C	Deposit	Balance
03/29/2021	14501	Bandera Electric Coo...	Accounts Payable	02 S36830 001...	664.42			540,838.05
03/29/2021	14502	GM Ellis Law Firm PC	Accounts Payable	Inv#BCRAGD-...	3,000.00			537,838.05
03/30/2021		QuickBooks Payroll ...	-split-	Created by Pay...	16,450.61	X		521,387.44
03/31/2021			Interest Income	Interest		X	51.88	521,439.32
03/31/2021			Operating Expenses:D...	Service Charge	0.02	X		521,439.30
03/31/2021	EFTPS	United States Treasury	-split-	74-2576034	7,191.92	X		514,247.38
03/31/2021	14503	AT&T Mobility	Accounts Payable	FAcct#592541...	114.84			514,132.54
03/31/2021	14504	Cohn Insurance Age...	Accounts Payable	Inv#03312021 ...	1,500.00			512,632.54
03/31/2021	DD	Balzen, Alyssa B	-split-	Direct Deposit		X		512,632.54
03/31/2021	DD	Blair, Prari D	-split-	Direct Deposit		X		512,632.54
03/31/2021	DD	Carter, Clinton R	-split-	Direct Deposit		X		512,632.54
03/31/2021	DD	Curd, Charley	-split-	Direct Deposit		X		512,632.54
03/31/2021	DD	Fox, Corrina D	-split-	Direct Deposit		X		512,632.54
03/31/2021	DD	Mauk, David A	-split-	Direct Deposit		X		512,632.54
03/31/2021	DD	McEwen, George J	-split-	Direct Deposit		X		512,632.54
03/31/2021	DD	Phillips, Hayli D	-split-	Direct Deposit		X		512,632.54
03/31/2021	DD	Sparks, Levi L.	-split-	Direct Deposit		X		512,632.54
03/31/2021	DD	Thomas, Larry B	-split-	Direct Deposit		X		512,632.54
03/31/2021	BDB		Operating Expenses:D...	Manual Void #...		X	645.00	513,277.54

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Well Report - FY 2021 - 2nd Quarter

A. Registered and Permitted Well Reports - 2nd Quarter

Registered Wells 2nd Quarter FY 2021

- a.) January- 8 wells
- b.) February- 10 wells
- c.) March- 11 wells

Total 2nd quarter 2021= 29 wells

VS

Registered Wells 2nd Quarter FY 2020

- a.) January- 9 wells
- b.) February- 11 wells
- c.) March- 8 wells

Total 2nd quarter 2020= 28 wells

Permitted Wells- 1 APVD; 1 PNDG

Variance Requests- 1

B. Nuisance Complaints & Notice of Violations

Nuisance Complaints- 8

Notice of Violations- 0

C. Groundwater Tests 2nd Quarter

2nd Quarter FY 2021

- a.) Mineral Only- 3
- b.) Bacteria Only- 42
- c.) Both- 33

Total 2nd quarter 2021= 78 tests

VS

2nd Quarter FY 2020

- a.) Mineral Only- 2
- b.) Bacteria Only- 28
- c.) Both- 31

Total 2nd quarter 2020= 61 tests

D. Water Well Plugging- 0

E. Geophysical Logging- 0



FY 2021 2nd Quarter Surface Water Evaluation & Reports

CLEAN RIVERS PROGRAM

Sabinal River

BCRAGD staff are responsible for the 3 sites in the Nueces Basin. Sabinal CRP sampling was conducted February 23, 2020. Next sampling will be conducted in of May 2020.

Site #	Site Description
13017	Seco Creek @ RR 470
14939	Sabinal River @ FM 187
21948	Sabinal River @ Onion Ck

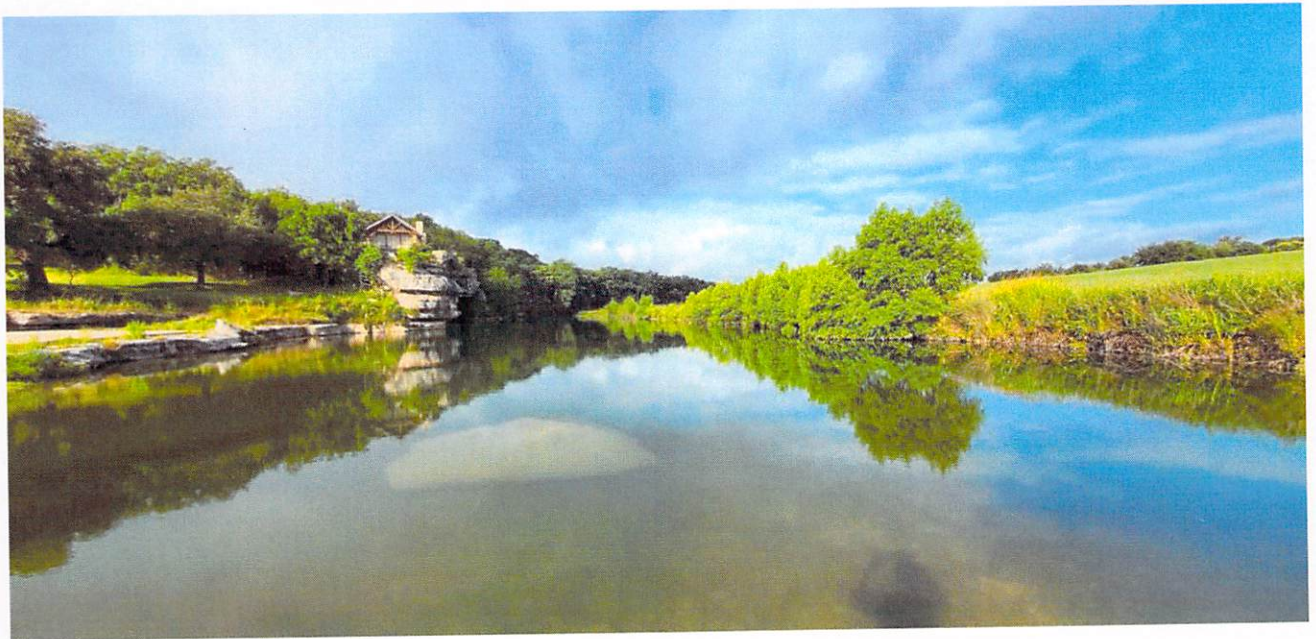


Medina River

BCRAGD staff is responsible for 8 riverine sample sites in the Medina Basin.

Medina River sampling along with Aquatic Life Monitoring was conducted with the San Antonio River Authority on February 9 & 11, 2021, and March 25 & 30, 2021. The next sampling will be conducted in June of 2021.

Site #	Site Description
12830	Medina R. @ English Crossing
18447	North Prong Medina R. @ Hwy 16- Wallace Creek
13638	Medina R. @ S Hwy 173 (Bandera City Park)
12832	Medina R. @ FM 470-Tarpley Crossing
21125	Medina R. @ Moffett Park
21126	N. Prong Medina R. @ FM 2107- Brewington
15736	W. Prong Medina R.- Coalkiln Road
21631	Medina R. @ The Mayan Ranch



Medina Lake & Diversion Lake

BCRAGD is responsible for 5 sites on Medina Lake and 2 on Diversion Lake.

Medina Lake CRP was conducted on January 21, 2021. The next sample will be conducted in April of 2021. Diversion Lake CRP was conducted on January 14, 2021. The next sample will be conducted in April of 2021.

Site #	Site Description
12829	Medina Lake Mid near Headwater
12828	Medina Lake between Cypress & Spettel Coves
12827	Medina Lake @ Mormon Bluff
12826	Medina Lake near Red Cove
12825	Medina Lake @ ML Dam West of San Antonio
14205	Medina R. Downstream Medina Reservoir in Mico, TX @ low water crossing
18407	40 m upstream of the dam and approximately 1 mi upstream of Medina River Crossing at Medina CR 2615.

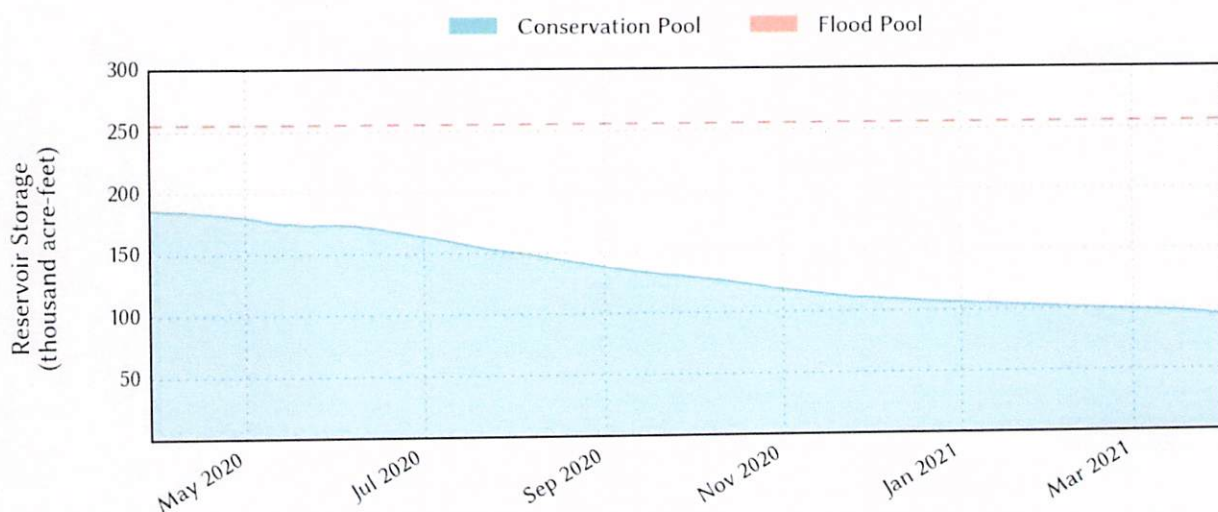


Medina Lake Update

Measurements provided by the Texas Water Development Board's water Date for Texas website (<https://waterdatafortexas.org/reservoirs/individual/medina>):

- March 31, 2021, 37.0% full
- February 28, 2021, 39.0% full
- December 31, 2020, 41.7% full

Data Accessed on March 31, 2021



Historical Data

	Date	Percent Full	Mean Water Level (ft)	Reservoir Storage (acre-ft)	Conservation Storage (acre-ft)	Conservation Capacity (acre-ft)	Surface Area (acres)
Today	2021-03-31	37.0	1,028.56	94,331	94,331	254,823	2,906
Yesterday	2021-03-30	37.1	1,028.62	94,505	94,505	254,823	2,909
2 days ago	2021-03-29	37.2	1,028.72	94,796	94,796	254,823	2,915
1 week ago	2021-03-24	37.8	1,029.21	96,231	96,231	254,823	2,943
1 month ago	2021-02-28	39.0	1,030.27	99,384	99,384	254,823	3,006
3 months ago	2020-12-31	41.7	1,032.50	106,243	106,243	254,823	3,151
6 months ago	2020-09-30	50.5	1,039.09	128,801	128,801	254,823	3,739
1 year ago	2020-03-31	72.9	1,051.77	185,662	185,662	254,823	5,042

* Percent Full is based on Conservation Storage and Conservation Capacity and doesn't account for storage in flood pool.

** Values above, including today's are averaged conditions. For near real-time instantaneous water level, see table below, or [the interactive map viewer](#).

River Authority Highlights

On January 25-29, 2021, BCRA GD staff Clinton Carter and Levi Sparks attended Code Enforcement Officer Training. This training requires a test by TDLR in order to be a licensed Code Enforcement Officer. This training also ensures staff are up to date on Code Enforcement Laws.

On February 2-4, 2021, BCRA GD staff Clinton Carter and Levi Sparks attended the Texas Chapter of the American Fisheries Society annual meeting. This meeting allows for important networking opportunities and for staff to keep up to date on current research being accomplished throughout the state.

On March 16, 2021, the Texas Parks and Wildlife Department (TPWD) designated Medina Lake as "positive" with the invasive species, Zebra Mussels. The first sighting in Medina Lake was on February 11, 2021, by a member of the community who contacted TPWD for verification. Shortly after this, TPWD conducted their own searches and located at least 1 more Zebra Mussel. BCRA GD also conducted a search on February 24, 2021, locating a single Zebra Mussel. BCRA GD staff continues to monitor the lake to track for further spread of the mussels.

In March 2021, BCRA GD had discussions with SARA to bring back a previously sampled CRP site. CRP site number 18407 will be sampled quarterly and is named Medina Diversion Lake near the west bank 40 m upstream of the dam and approximately 1 mi upstream of Medina River Crossing at Medina CR 2615. Shorthand, the name is Diversion Lake @ Dam.



**BCRAGD Public Service Announcement:
 Medina River *E. coli* Counts March 25th, 26th, & 30th, 2020**

Surface Water Staff from the Bandera County River Authority and Groundwater District (BCRAGD) collected water samples from sites along the Medina River, Medina Lake, Sabinal River, and their tributaries to assess levels of *E. coli* bacteria on March 25th, 26th, and 30th.

E. coli is a bacteria found in the gut of warm-blooded animals and is known to potentially cause illness in humans if ingested. **No primary contact recreation should take place if the number of *E. coli* exceeds 399 most probable number (MPN) per 100 mL of water.** This standard is set by the Texas Commission on Environmental Quality (TCEQ) in the Texas Administrative Code (30 TAC §307.7). Meaning, no one should participate in activities that could result in the total submersion of the head under water if counts exceed the 399 MPN standard.

There is ALWAYS a possibility of infection from *E. coli* or other waterborne illness. **Never drink or ingest river water without proper disinfection, and always swim at your own risk.**

Results listed below were analyzed at the BCRAGD lab:

Medina Lake - Park @ PR 37	4 MPN	Bandera City Park @ 1st St	249 MPN	W. Prong @ Coalkiln Rd	39 MPN
English Crossing	435 MPN* 517 MPN**	Tarpley Crossing	86 MPN	W. Prong @ Carpenter Ck	N/A
Bridlegate Park	104 MPN	Ranger Crossing	89 MPN	Williams Ck in Tarpley	23 MPN
Bandera River Ranch Park	Dry	Moffett Park in Medina	65 MPN	Seco Ck @ RR470	46 MPN
Bandera Creek @ SH 16 S	23 MPN	1st Crossing @ RR337	38 MPN	Sabinal R @ Cornelius Rd	210 MPN
Lower Mason Creek	2 MPN	N. Prong, Brewington	41 MPN	Sabinal R @ SH187	12 MPN
Upstream of WWTP, Bandera	225 MPN	N. Prong, Rocky Ck	16 MPN	Sabinal R @ Lost Maples	2 MPN
Bandera City Park @ SH173	206 MPN	N. Prong, Wallace Ck	23 MPN	West Verde Ck @ FM1077	50 MPN
Utopia City Park	1 MPN	Medina Lake @ Haby's Cove	<1 MPN	Medina Lake @ Red Cove	1 MPN
Medina Lake @ Pop's Place	249 MPN	Privilege Creek @ SH16	Dry	Can Creek @ Lost Maples	<1 MPN

*indicates that the sample was over the TCEQ threshold

**indicates a resample done on March 30th

The above results can also be found on the BCRAGD website, www.bcragd.org, and the BCRAGD Facebook page. BCRAGD is not a certified lab. Results are for informational purposes only.

Education and Outreach Highlights



Bandera County River Authority &
Groundwater District



@bcragd_tx



@BCRAGD_TX

As a political subdivision of the state, BCRAGD has an obligation of transparency to the public, which is met through the channels of social media and a maintained website. These venues are vital in providing open lines of communication between the District and the general public.

This quarter, the BCRAGD team has been working diligently on public outreach and education. One of the most effective means of public outreach is through social media with Instagram, Twitter, Facebook, and Pinterest. The team has the ability to provide vital information to targeted audiences and promote public awareness relating to issues and topics such as: changing weather patterns, ongoing projects of the District, natural resource and water conservation, and stewardship. Social Media outlets allow for the District to share and promote resources from collaborating agencies such as National Weather Service, Texas Ag-Extension office, Texas Floodplain Managers Association, Texas Water Development Board, and many others. This quarter, the focus of information has been on county surface water quality, weather conditions, and ongoing district projects, and participation in the Hill Country Living Festival and Rainwater Revival.

COVID-19 Pandemic

BCRAGD is still following and adjusting COVID-19 protocols as mandated by the state and federal governments while maintaining the ability to serve community needs. Social media has been utilized in keeping the public up to date with BCRAGD policies, office hours, and available services.

Release of Newsletter January 20, 2021

BCRAGD is pleased to have revived the District's Quarterly Newsletter. The newsletter was posted to the District website in January. The Newsletter is meant to be a way to highlight ongoing projects, upcoming events, and pertinent information for the community of Bandera County.

JANUARY 2021

**BANDERA COUNTY RIVER AUTHORITY AND
GROUNDWATER DISTRICT**
Quarterly Newsletter

Vol 1 Issue 03



Inside the Issue

January 27, 2021, Axis Control Project



Axis Deer are an exotic species that were introduced from India to the Texas Hill Country in the 1930s. Since their introduction, this species has proliferated in several portions of the Hill Country, adversely impacting agricultural production, native wildlife, and riparian, or creek-side, habitat.

The Hill Country Alliance, Texas Tech University's Department of Natural Resources Management, Bandera County River Authority, and Groundwater District, and

partners launched the 2021 Axis Deer Control Project in January 2021. The goals of the Axis Deer Control Project are to raise awareness about the impacts of free-ranging Axis Deer, recognize land stewards for their efforts to control this exotic species, and support research that will improve control effort. The project was completed on March 16, 2021. Landowner participation provided researchers with enough information to further investigate the population patterns of the Axis Deer.

Press Release March 16, 2021, from Texas Parks and Wildlife about Zebra Mussel Infestation in Medina Lake.

Texas Parks and Wildlife sent out a Press Release stating that Medina Lake has been designated as "Infested" by Zebra Mussels. The investigation was prompted by the discovery of a Zebra Mussel during a routine search conducted by BCRAGD staff. The following is an excerpt regarding Medina Lake from the Press Release:

"Bandera County River Authority & Groundwater District (BCRAGD) conducted a search on Feb. 24 and located a single Zebra Mussel attached to a settlement sampler at a dock approximately three miles upstream from the first location where Zebra Mussels were detected. The BCRAGD later conducted additional surveys of shorelines, boat docks, boat hulls, and engines at numerous sites around the lake; no additional Zebra Mussels were found.

Due to these discoveries, Medina Lake will be designated "positive" for Zebra Mussels, which means there have been multiple detections, but evidence of a reproducing population has yet to be discovered. Plankton sampling for Zebra Mussel larvae will take place in May/June when they begin spawning, and settlement sampler monitoring and shoreline surveys will continue to determine if an established, reproducing population is already present or monitor its development.

"This is the first detection of Zebra Mussels in the San Antonio River Basin and could result not only in impacts on infrastructure, boats, and other property but also in downstream spread within the basin and introductions by boats moving from Medina Lake to other nearby lakes," said Monica McGarrity, TPWD Senior Scientist for Aquatic Invasive Species. "Finding zebra mussels in a new river basin, unfortunately, means that they've most likely been transported there by boats, barges, or other equipment that didn't take appropriate precautions to prevent their spread. The vigilance of all boaters and anglers is needed to stop or slow the further spread of Zebra Mussels in Texas lakes." "

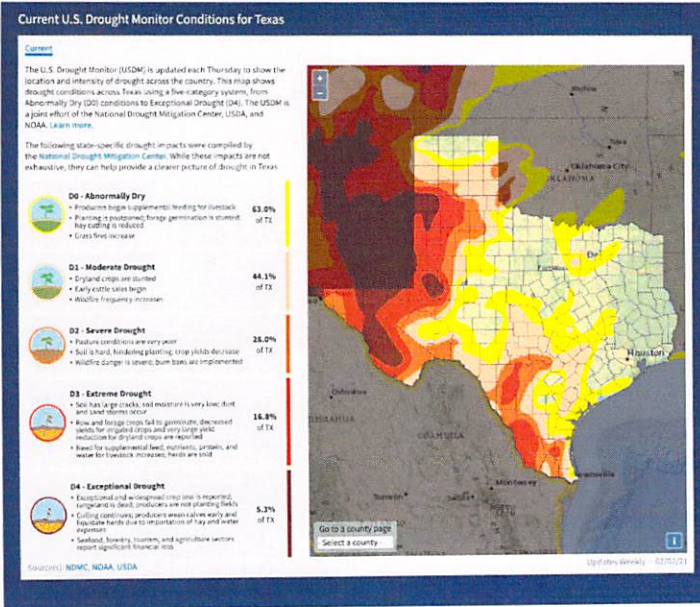
BCRAGD is continuously monitoring and working with Texas Parks and Wildlife on the mitigation of Zebra Mussels in Medina Lake. For more information please visit the TPWD website link below.

https://tpwd.texas.gov/newsmedia/releases/?req=20210316a&fbclid=IwAR2519Zm_y5k_Z4TNhYd1w-m3ZWHglpjFK-ixprApuQFEr0wT5i1iKDpEe4

Social Media Outlets Used to Share important information about Drought Conditions and Weather Conditions

The Education and Outreach Team has diligently shared information from the Texas Water Development Board and US Drought Monitor about the Drought stages for the

state of Texas. Also, BCragd has shared information about severe weather conditions from the National Weather Service. This information is pertinent to the residents in the county to ensure public safety.

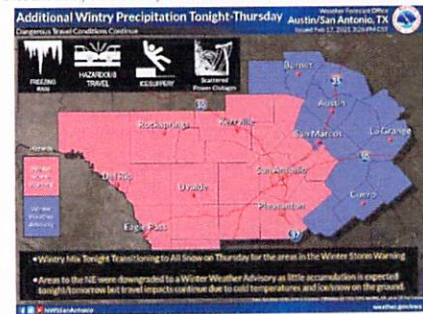


Important Forecast Changes

- Winter Storm Warning and Winter Weather Advisory now in effect until 6 PM Thursday
- Winter Storm Warning changed to Winter Weather Advisory north and east
- Increased Snow Totals from San Antonio west
- Travel impacts may last through Thursday afternoon in some locations

Key Messages

- ✓ A very significant winter event is ongoing through Thursday. Travel is extremely dangerous.
- ✓ Travel conditions are very dangerous through the Hill Country and along and east of I-35 after freezing rain coated streets and sidewalks with as much as 1/2 inch of ice overnight and temperatures stayed near freezing.
- ✓ Ice coated tree limbs and power lines could come down where pockets of heavier icing amounts have occurred across the Hill Country and Austin metro area.
- ✓ A Winter Storm Warning and Winter Weather Advisory is in effect through 6 PM Thursday. Travel will continue to be dangerous through Thursday.
- ✓ A final round of wintry precipitation is forecast tonight through Thursday. This could produce additional hazardous traveling conditions for some areas. Additional ice-snow accumulations could range from a dusting to 1 inch along/ east of a Fredericksburg - New Braunfels - Pleasanton line. 1 to 2 inches are likely from Kerville to San Antonio. 4 to 6 inches are possible farther west.
- ✓ Forecast dries and slowly warms Friday into the weekend.



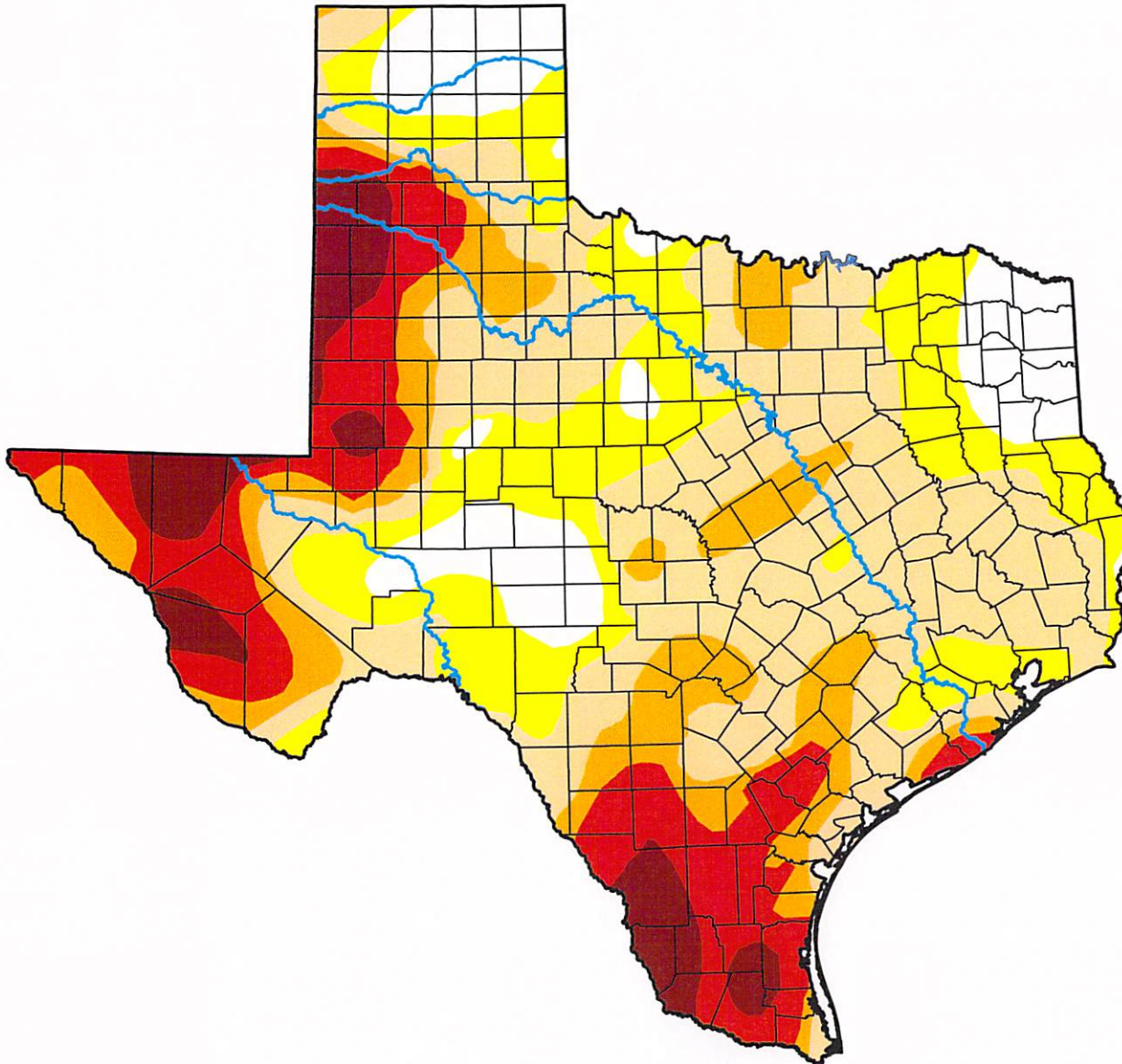
Other Important Highlights

BCRAGD Education and Outreach Team is diligently working to provide content and information about the natural resources that are relevant to Bandera County. One of the social media highlights was the Bald Cypress tree that is commonly found along the river and how important its role is in the water ecosystem.









U.S. Drought Monitor Texas

March 30, 2021
(Released Thursday, Apr. 1, 2021)
Valid 8 a.m. EDT



Intensity:

-  None
-  D0 Abnormally Dry
-  D1 Moderate Drought
-  D2 Severe Drought
-  D3 Extreme Drought
-  D4 Exceptional Drought

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>

Author:

Brad Pugh
CPC/NOAA



droughtmonitor.unl.edu

BCRAGD

Payment Request No. **12**

Contract No: **1800012307**
 Contract Type: **Research**
 Contract Amount: **\$ 460,000.00**

Billing Period of This Payment Request
 From: **12/01/20** To: **02/28/21**
 Requested Amount: **\$0.00**
 Is this the final Request? **No**

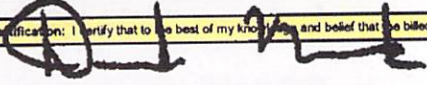
Contract Start Date	Contract End Date	Total Contract Amount	Local Cash	Local In-Kind	TWDB Share	Retainage
11/12/18	08/31/21	\$ 460,000.00	\$ -	\$ -	\$ 230,000.00	\$ 23,000.00
Payment Request No.	Total Expenses for this Reimbursement	Local Cash for this Reimbursement	Local In-Kind for this Reimbursement	TWDB Share for this Reimbursement	Retainage for this Reimbursement	
11.00	\$0	\$ -	\$ -	\$0.00	\$ -	

Contractor: **BCRAGD**
 Contractor Address: **P O Box 177, 440 FM-3240**
 City, State, ZIP: **Bandera Tx. 78003-0177**

Contact: **Larry B. Thomas**
 Contact Title: **Natural Resource Specialist**
 Contact Phone: **830-796-7260**
 Contact Fax: **830-796-8262**
 Contact Email: **lthomas@bcragd.com**

Payment Contact: **Prari Blair**
 Payment Contact Title: **Office Manager**
 Payment Contact Phone: **830-522-2772**
 Payment Contact Fax: **830-796-8262**
 Payment Contact Email: **pb@bcragd.com**

Certification: I certify that to the best of my knowledge and belief that the billed costs hereon are in accordance with the above mentioned contract(s) and all work performed is in accordance with said contract(s).

 March 11, 2021
Date Signed

Signature and Title of Authorized Representative 830-796-7260
Telephone Number

Dave Mauk BCRAGD, General Manager
 Print or Type Name and Title of Representative Signing

TWDB-CP0001

March 11, 2021

Development of a Flood Inundation Monitoring System for the Upper Sabinal River in Uvalde and Bandera Counties, Texas
Progress Report for the Period – December 01, 2020 to February 28, 2021
TWDB Contract Number: 1800012307

To: Ivan Ortiz, CFM, CTCM
Flood Mitigation Planning
Texas Water Development Board
P.O. Box 13231, 1700 N. Congress Ave.
Austin, Tx. 78711-3231
ivan.ortiz@twdb.texas.gov

Cc: Michael Vielleux, P.E.
Engineer III
River Science Program
Texas Water Development Board
Surface Water Division
P.O. Box 13231, 1700 N. Congress Ave.
Austin, Tx. 78711-3231
michael.vielleux@twdb.texas.gov

From: Larry B. Thomas, CFM
Chief Data Officer
Natural Resource Specialist
Flood Warning Protection Project Manager
Bandera County River Authority and Groundwater District
440 FM 3240, P.O.Box 177
Bandera, Tx. 78003-0177
lthomas@bcragd.org

Subject: TWDB Contract No. 1800012307

1. Contract Period: November 12, 2018 – August 31, 2021
2. Progress Report Period: Dec. 01, 2020 to Feb. 28, 2021
3. Due to USGS noting invoiced periods of task completions for quarterly periods beginning Fiscal Year October 1 and ending September 30, TWDB Quarterly reports provided by BCRA GD may encompass partial periods of previous quarterly report periods.

BCRAGD Tasks Completed:

****DUE TO THE COVID-19 VIRUS PANDEMIC – AND FOLLOWING BCRAGD ‘WORKPLACE HAZARD POLICY’, ALL MONITORING ACTIVITIES FOR THE FLOOD EARLY WARNING SYSTEM AND TWDB QUARTERLY REPORTS WILL CONTINUE TO BE MONITORED AND CREATED REMOTELY DURING THE PANDEMIC INCLUDING TEMPORARY OFFICE CLOSURES UNTIL FURTHER NOTICE ** ALL EXISTING AND PLANNED FIELD RELATED ACTIVITIES FOR BCRAGD PERSONNEL SPECIFIC TO THE FEWS ARE COMPLETED ON A CASE BY CASE BASIS AS NEEDED UNTIL FURTHER NOTICE – EFFECTIVE MARCH 17, 2020 BY GENERAL MANAGER’S POLICY STATEMENT****

- Continued daily monitoring of the Sabinal FEWS, USGS hydrologic stations are completed by BCRAGD personnel for Western Bandera County. Additional monitoring stations includes the Sabinal River at Vanderpool, Tx streamgage and the BCRAGD Edwards Well No. 1 above Lost Maples State Park, which has a High Intensity type rainfall monitor.
- There was no significant rainfall or high-water events during this quarter period. All FEWS - USGS streamflow and rainfall monitoring stations are operational.

BCRAGD Planned Activities:

- Propose USGS to include ‘fixed’ ‘Peak Stage Indicators’ (ie: Crest Stage Gage ‘CSG’) at existing stream-flow gage locations and identify Reference Mark (RM) elevations for use with CSG data and post event High Water Marks (HWM’s).

CURRENTLY ON-HOLD due to BCRAGD Workplace Policy restrictions resulting from the Covid-19 Pandemic.

- BCRAGD will be creating ‘Reference marks’ (ie: Vertical Datum Elevation Marks) on select low water crossings, bridge decks, bridge handrails etc. within portions of the Sabinal Flood Early Warning study area to be used as miscellaneous ‘tape-down’ points for referencing water surface elevations to North American Datum 1983 (NAD 83). Reference Marks will be established, and elevations determined by actual level circuits completed by BCRAGD staff as a training exercise and to be used as a post event of identifying flood high water mark elevations. These may encompass USGS data for use with HEC-RAS modeling of miscellaneous tributary locations that are not continuously monitored for streamflow or water surface stage values. The procedures of Vertical Datum level circuits at each location will follow USGS standard protocols.
 - Due to the Covid-19 pandemic and social distancing requirements set forth by the Center of Disease Control (CDC) and The State of Texas, a Public Meeting was not held during this quarter reporting period of Dec. 1, 2020 to Feb. 28, 2021. A ‘Virtual’ on-line meeting hosted by BCRAGD and USGS may occur during the next quarterly reporting period, contingent upon scheduling and anticipated public participation. Communication and planning are ongoing with USGS for specifics of future public meetings to be held through virtual interactions or in person, contingent upon the status of the Covid-19 pandemic.

USGS Task Completions / Ongoing Status:

(12-01-20 to 02-28-21)

USGS ARE CURRENTLY MONITORING USGS STREAM GAUGE STATIONS REMOTELY DUE TO THE COVID-19 VIRUS PANDEMIC AND HAVE ONLY ESSENTIAL PERSONNEL AVAILABLE FOR ROUTINE OR NON-ROUTINE EQUIPMENT MAINTENANCE AS MAY BE NEEDED. POTENTIAL HIGH-WATER EVENTS AND NEEDS FOR FIELD DATA COLLECTION ARE PERFORMED ON A CASE-BY-CASE BASIS CONTINGENT UPON CONDITIONS AND PRIORITY OF RELEVANCE.

Task 1: Installation of Monitoring Gages - Routine data collection and Equipment maintenance.

✓ A USGS Stream Gage installation was completed Jan. 16, 2020 at the Sabinal Rv bridge located on FM-1050, below Utopia City Park at Utopia, Tx and is currently monitoring water surface stage and rainfall data. Streamflow (Discharge cfs) data will become available upon collection of varying water surface stage and manually measured surface water discharge values for the development of a stage-discharge, digitally calibrated rating table. (on-going)

Hydrologic data of Rainfall totals and water surface stage values are now available on the USGS.tx web site. USGS station ID, Sabinal Rv at Utopia, TX. Station No: [08197970](#)

- Vertical Datum Levels have been completed at existing FEWS stream-gage locations, including existing Culverts, Bridge Openings, and Channels by USGS personnel. Lidar elevations to be applied by USGS. On-Going
- The following existing USGS Stream-gages are available and maintained by USGS personnel. These stations are routinely monitored daily by USGS and by BCRA GD staff during storm related events and are significant for providing storm related information of impending storms near and within the Sabinal River watershed:
 - Edwards Groundwater Well # 1 'High Intensity Rain Gauge'
USGS Station Number - [295204099340201](#)
 - Sabinal River Below Mill Creek near Vanderpool, TX.
USGS Station Number - [08197936](#)
 - West Prong Medina Rv at Carpenter Crk Rd nr Medina, TX.
USGS Station Number - [08178871](#)
 - N. Prng. Medina Rv at Brewington Crsg, FM-2107 nr Medina, TX.
USGS Station Number - [08178861](#)
 - Medina River at Patterson Rd at Medina, TX.
USGS Station Number - [0817887350](#)
 - Medina River at Hwy. 173 at Bandera, TX.
USGS Station Number - [08178880](#)
 - NEW – Sabinal River at Utopia, Tx.
USGS Station Number [08197970](#)

TWDB Contract No. 1800012307

(USGS Task 1: completions continued)

USGS has installed 'pressure transducers' (insitu water level electronic data loggers) for continuous collection of stream water surface stage values, non-real-time at the following locations.

- ✓ Sabinal River at Panther Hill Rd. near Vanderpool, Tx USGS station ID: 08197938
- ✓ Sabinal River Up Stream of Long Hollow, near Utopia, Tx. USGS station ID: 08197940
- ✓ Sabinal River Down Stream of Blackjack Hollow, near Utopia, Tx. USGS station ID: 08197945
- ✓ West Sabinal River at West Sabinal Road near Utopia, Tx. USGS station ID: 08197965
- ✓ West Sabinal River at Spring Branch Road near Utopia, Tx. USGS station ID: 08197968

Task 2: Development and calibration of a HEC-RAS model for study area.

NOTE: Due to the present drought related conditions within the study area and lack of significant rainfall during the Sabinal River FEWS development period, Tasks 1 through Task 3 are on-going, although delayed due to lack of hydrological events.

- Real-time continuous Hydrologic Data collection on-going.

Task 3: Model scenarios and development of a flood atlas.

- Hydrologic data integration on-going development

Task 4: Reporting and integration with Flood Inundation Mapping Program (FIMP) Website – Report publication and data release.

- Sabinal River FEWS hydrologic real-time satellite telemetry data and manually collected data not yet assembled for the FIMP and report publication. (data collection and dissemination on-going)

*** Comments / Invoicing and Remarks:**

USGS invoicing Quarterly periods are Federal Fiscal Year periods. October 1st to September 30th

USGS Invoice No. 90807196 for \$ 37,500.00 was received by BCRA GD on April 28, 2020. A TWDB payment request for approved one half cost share of \$18,750.00 was submitted with quarterly report No.8 on 6-8-20. USGS invoice payment Due date 06/23/2020. TWDB approved cost shared payment on June 25, 2020 and submitted to BCRA GD on June 29, 2020 and was received on 7/1/20.

USGS Invoice No. 90830582 for \$37,500.00 received by BCRA GD on August 03, 2020. TWDB Contract No. 1800012307

*** Comments / Invoicing and Remarks: (continued)**

A TWDB payment request for approved one half cost share of \$18,750.00 was included with quarterly report No.9 and received.

USGS invoice No. 90843108 payment Due date 10/03/2020 payment request ONLY was submitted as payment request No. 10 and received.

Progress Report's No.11; Sept. 01, to Nov. 30, 2020 and No.12; Dec. 01, 2020 to Feb. 28, 2021 did not include additional USGS invoicing. USGS invoicing previously submitted as payment requests only.

Quarterly report No. 9 through No. 12 summary of USGS activities relative to contractual tasks 1 through 4 for the Sabinal River FEWS / TWDB Contract No. 180001237

Summary provided by; Michael Nyman, Data Chief U.S. Geological Survey, Oklahoma Texas Water Science Center, South Texas Branch – San Antonio, Tx.

“Site visits, gage calibrations and measurements will continue to be performed every six to eight weeks or more frequently when conditions warrant.”

((In-Part includes the Medina FEWS))

“As it has been a relatively dry year, stream discharge has not exceeded 100 cfs during this timeframe. Records are complete and accurate. All station levels and datum verifications were collected during the months of February and March as, all the sites have been deemed stable and have been moved from an annual verification to a three-year rotation for vertical datum stream gage levels and will not come due again until 2023.”

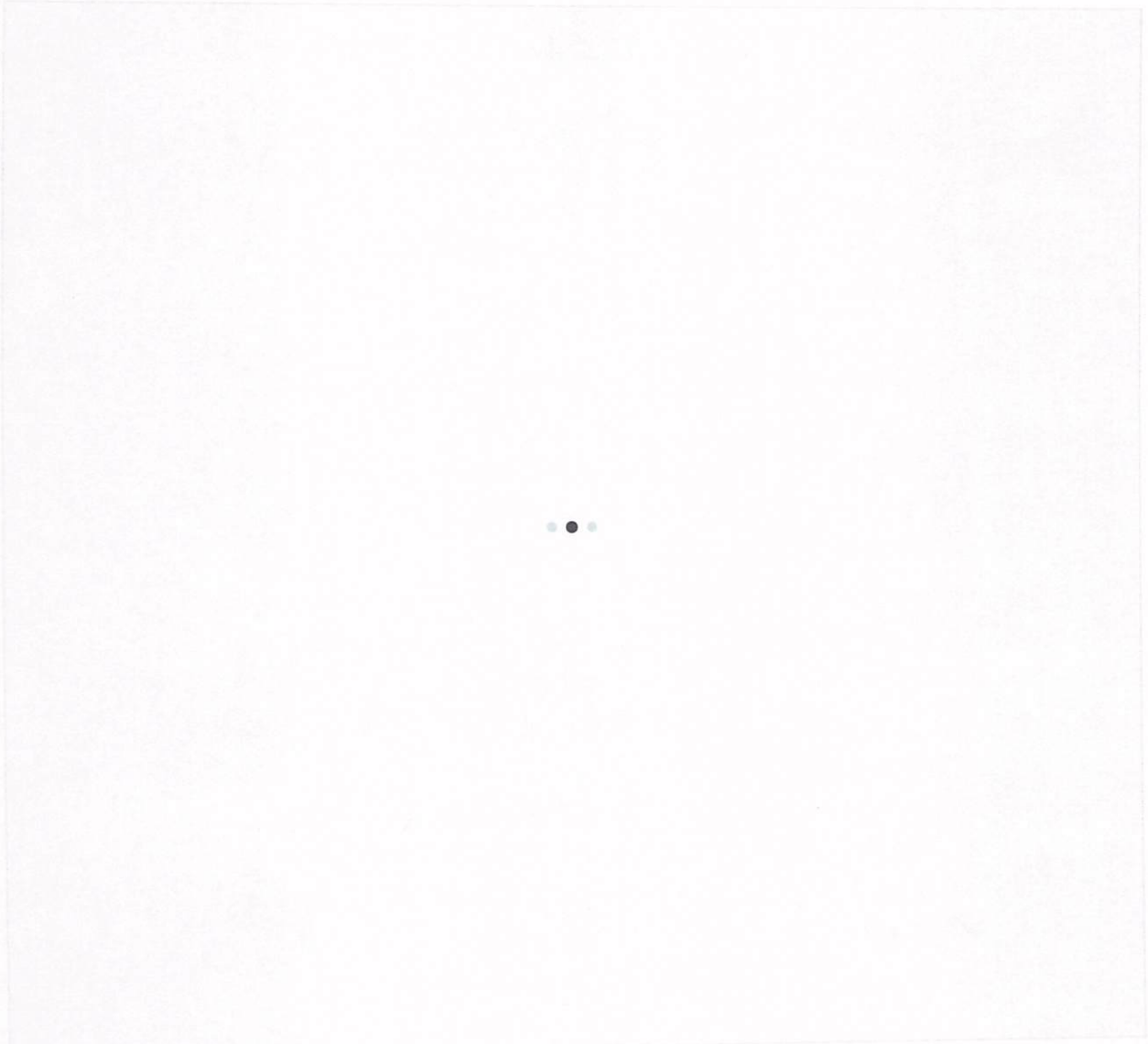
“In the Sabinal basin, we have installed the gage at Utopia (Sabinal Rv at Utopia, TX 08197970). Intermittent data from the gage is likely due to a faulty sensor, and plans are to replace that sensor this week. (June 22, 2020) *(Completed and corrected faulty sensor.)

Elevations for the first of three transects associated with the Continuous Slope Area (CSA) reach have been measured, and one pressure transducer installed. The second transect and pressure transducer for the reach will be measured and installed the week of 22 Jun. (Completed.)

The first of several additional pressure transducers has been installed on the upper Sabinal, additional landowners are to be contacted this week to secure permission for installation of additional pressure transducers in the upper basin.”

Otherwise, it is largely operation and maintenance at this point, just waiting on flows to calibrate the model.

TWDB Contract No. 1800012307



USGS Stream Gage at Sabinal River Bridge at Utopia, Tx FM-1050

[08197970](#) Sabinal Rv at Utopia, TX

Photo taken March 4, 2020. Stream Gage is located on the Left Bank-Downstream side of bridge near top of stream bank.

TWDB Contract No. 1800012307



One of Five USGS Insitu Pressure Transducer, Water Level Electronic Data Loggers – Installed Above Utopia, Tx. along the Sabinal and West Sabinal River.

TWDB Contract No. 1800012307

End of TWDB Contract No. 1800012307 Quarterly Report #12 for the period 12/01/20 to 02/28/21, Due before 03/31/21 submitted 03/11/21

For more information, please contact Larry Thomas at (830) 796-7260 or email at lthomas@bcragd.org , Hayli Phillips at (830) 796-6201 email at hphillips@bcragd.org or Dave Mauk BCragd, General Manager at (830) 796-7260 email dmauk@bcragd.org.

Lipan-Kickapoo Water Conservation District fully complied with all of the selected statutory requirements tested. The remaining districts fully complied with the majority of the selected statutory requirements. Table 2 summarizes the districts' compliance with selected statutory requirements of Texas Water Code, Chapter 36.

Table 2

Districts' Compliance with Selected Statutory Requirements	
Fully Complied with All Tested Requirements	Fully Complied with the Majority of Tested Requirements
<ul style="list-style-type: none"> Lipan-Kickapoo Water Conservation District 	<ul style="list-style-type: none"> Bandera County River Authority and Groundwater District Comal Trinity Groundwater Conservation District Medina County Groundwater Conservation District Reeves County Groundwater Conservation District

Table 3 presents a summary of the findings in this report and the related issue rating. (See Appendix 2 for more information about the issue rating classifications and descriptions.)

Table 3

Summary of Chapters and Related Issue Ratings		
Chapter	Title	Issue Rating ^a
1	Lipan-Kickapoo Water Conservation District Fully Complied with All Statutory Requirements Tested	Low
2	Bandera County River Authority and Groundwater District Fully Complied with a Majority of the Statutory Requirements Tested	Low
3	Comal Trinity Groundwater Conservation District Fully Complied with a Majority of the Statutory Requirements Tested	Low
4	Medina County Groundwater Conservation District Fully Complied with a Majority of the Statutory Requirements Tested	Low
5	Reeves County Groundwater Conservation District Fully Complied with a Majority of the Statutory Requirements Tested	Low

^a A chapter is rated **Priority** if the issues identified present risks or effects that if not addressed could critically affect the audited entity's ability to effectively administer the program(s)/function(s) audited. Immediate action is required to address the noted concern and reduce risks to the audited entity.

A chapter is rated **High** if the issues identified present risks or effects that if not addressed could substantially affect the audited entity's ability to effectively administer the program(s)/function(s) audited. Prompt action is essential to address the noted concern and reduce risks to the audited entity.

A chapter is rated **Medium** if the issues identified present risks or effects that if not addressed could moderately affect the audited entity's ability to effectively administer the program(s)/function(s) audited. Action is needed to address the noted concern and reduce risks to a more desirable level.

**Bandera County River Authority and Groundwater District:
Activities of the District- 2nd Quarter FY 2021 (January - March)**

General Management

05.JAN.2021 Texas Water Foundation Meeting	<i>D. Mauk</i>
05.JAN.2021 Manager Team Meeting	<i>D. Mauk, H. Phillips, P. Blair, A. Balzen, L. Spark</i>
06.JAN.2021 Meeting in Regards to Future Monitor Well Programs	<i>A. Balzen, D. Mauk</i>
06.JAN.2021 Meeting: District Vehicles, Laptops, Profit/Loss	<i>P. Blair, D. Mauk</i>
06.JAN.2021 Correspondence w/ Finance Auditor- Answer Questions & Provide Materials	<i>P. Blair, D. Mauk</i>
07.JAN.2021 Correspondence: To-Dos, Finance Audit, Information	<i>P. Blair, D. Mauk</i>
11.JAN.2021 Correspondence: Expense Checks, District Vehicle Repairs	<i>P. Blair, D. Mauk</i>
11.JAN.2021 GM Invoice Approval System; CC Transaction Approval Logs	<i>P. Blair, D. Mauk</i>
11.JAN.2021 Meeting w/ CAD and TWF	<i>D. Mauk, H. Phillips</i>
12.JAN.2021 Meeting: Update- District Vehicle Issues & Maintenance	<i>P. Blair, D. Mauk</i>
13.JAN.2021 Manager Team Meeting	<i>D. Mauk, H. Phillips, P. Blair, A. Balzen, L. Spark</i>
14.JAN.2021 Quarterly Meeting	<i>D. Mauk, H. Phillips</i>
18.JAN.2021 Employee Benefits Insurance Meeting w/Broker	<i>P. Blair, D. Mauk</i>
18.JAN.2021 GM Invoice Approval System & Meeting Office Coverage & Add to Calendar	<i>P. Blair, D. Mauk</i>
18.JAN.2021 Meeting: Management Team Specs Discussion, Vehicles, Coverage	<i>H. Phillips, P. Blair, D. Mauk</i>
19.JAN.2021 Manager Team Meeting	<i>P. Blair, H. Phillips, A. Balzen, L. Sparks, D. Mauk</i>
20.JAN.2021 Phone Conference: Post Staff Meeting Updates	<i>P. Blair, D. Mauk</i>
20-22.JAN.2021 TWI Urban Riparian Restoration Training for CEUs	<i>D. Mauk</i>
25.JAN.2021 GM Invoice Approval System & Correspondence w/Insurance Broker	<i>P. Blair, D. Mauk</i>
25.JAN.2021 Meeting: Prepwork for Next Staff Meeting Topics & Notations	<i>P. Blair, D. Mauk</i>
26.JAN.2021 Phone Conference: CC Receipt Categories; Checks; To-Dos	<i>P. Blair, D. Mauk</i>
27.JAN.2021 Phone Conference: Staff Meeting Prep Topics/Discussion	<i>P. Blair, D. Mauk</i>
28.JAN.2021 TWCA Managers Meeting	<i>D. Mauk</i>
01.FEB.2021 GM Invoice Approval System	<i>P. Blair, D. Mauk</i>
02.FEB.2021 Management Team Meeting	<i>P. Blair, D. Mauk, C. Fox, L. Sparks, A. Balzen, H. Phillips</i>
03.FEB.2021 Meeting with Attorney	<i>D. Mauk</i>
03.FEB.2021 Phone Conference: Updates & Situations	<i>P. Blair, D. Mauk</i>
03.FEB.2021 GM Invoice Approval System & CC Transaction Log Approval System	<i>P. Blair, D. Mauk</i>
04.FEB.2021 Phone Conference: Photos for Annual Report; Statements; Proof of Payment	<i>P. Blair, D. Mauk</i>
08.FEB.2021 Procedures Meeting	<i>H. Phillips, P. Blair, D. Mauk</i>
09.FEB.2021 Phone Conference: Updates & Documentation & Upcoming Events	<i>P. Blair, D. Mauk</i>
10.FEB.2021 Meeting: Procedures & Mtg Specs & Plan of Action	<i>P. Blair, D. Mauk</i>
10.FEB.2021 Get Checks Signed by Directors	<i>D. Mauk</i>
10.FEB.2021 Meeting: HR & Planning Ahead	<i>P. Blair, J. McEwen, D. Mauk</i>
10.FEB.2021 SOP: Departure Checklist	<i>P. Blair, J. McEwen, D. Mauk</i>
11.FEB.2021 Managers Team Meeting	<i>All Managers</i>

**Bandera County River Authority and Groundwater District:
Activities of the District- 2nd Quarter FY 2021 (January - March)**

16.FEB.2021 Managers Team Meeting	<i>All Managers</i>
22.FEB.2021 Meeting: Updates, To-Dos, Messages, Operations	<i>H. Phillips, P. Blair, D. Mauk</i>
22.FEB.2021 GM Invoice Approval System	<i>P. Blair, D. Mauk</i>
22.FEB.2021 Zoom Meeting w/ City, HCA, Parks and Wildlife	<i>H. Phillips, D. Mauk, L. Sparks, C. Carter</i>
23.FEB.2021 Managers Team Meeting	<i>All Managers</i>
25.FEB.2021 Phone Conference: BPS Security Corrective Update	<i>P. Blair, D. Mauk</i>
02.MAR.2021 Phone Conference: Updates, Signatures, To-Dos, Annual Report; COVID-19	<i>P. Blair, D. Mauk</i>
02.MAR.2021 Managers Team Meeting	<i>All Managers</i>
09.MAR.2021 Managers Team Meeting	<i>All Managers</i>
10.MAR.2021 Phone Conference: Meeting Times, Annual Report, Sunset	<i>P. Blair, D. Mauk</i>
10.MAR.2021 GM Invoice Approval System & CC Transaction Log Approvals	<i>P. Blair, D. Mauk</i>
15.MAR.2021 SARFPG Workshop	<i>D. Mauk</i>
15.MAR.2021 Region 13 Nueces Flood Planning Group	<i>D. Mauk</i>
15.MAR.2021 Special Reporting District Completion	<i>H. Phillips, D. Mauk</i>
16.MAR.2021 Management Team Meeting	<i>All Managers</i>
16.MAR.2021 Annual Report: Covid-19 Addition to GM Statement & Drafting	<i>H. Phillips, P. Blair, D. Mauk</i>
22.MAR.2021 Meeting: To-Dos, Planning; GM Invoice Approval System	<i>P. Blair, D. Mauk</i>
23.MAR.2021 Stakeholder Brainstorm Meeting	<i>D. Mauk, H. Phillips</i>
24.MAR.2021 GM Invoice Approval System	<i>P. Blair, D. Mauk</i>
29.MAR.2021 GM Invoice Approval System	<i>P. Blair, D. Mauk</i>
29.MAR.2021 Meeting: Logistics + Option #2 for Flexibility Staggered Schedule	<i>P. Blair, H. Phillips, D. Mauk</i>
29.MAR.2021 Scan/Mail Signed BCAD Certified Totals 2021 Appraisal Roll Letter	<i>P. Blair, D. Mauk</i>
30.MAR.2021 Get Checks Signed by Directors	<i>D. Mauk</i>
31.MAR.2021 Phone Conference: Annual Report Completions, Quarterly Agenda	<i>P. Blair, D. Mauk</i>

Operations

04.JAN.2021 Quarterly Meeting Prep	<i>C. Curd</i>
04.JAN.2021 Prepared Board Meeting Agendas	<i>H. Phillips</i>
04.JAN.2021 GMA-9 Meeting Minutes	<i>H. Phillips</i>
05.JAN.2021 Manager Team Meeting	<i>D. Mauk, H. Phillips, P. Blair, A. Balzen, L. Spark</i>
05.JAN.2021 Bookkeeper Correspondence Sick/Vaca Sheets; Weekly Log Subfolder Creation;	<i>P. Blair</i>
05.JAN.2021 BB Statement Info; Mngr Team Mtg Outline Prep; Edit/Review Qty Mtg Materials	<i>P. Blair</i>
05.JAN.2021 Office Supply List Creation	<i>H. Phillips, P. Blair, C. Curd</i>
05.JAN.2021 Purchase Office Supplies	<i>C. Curd</i>
06.JAN.2021 Office Staff Team Meeting	<i>H. Phillips, P. Blair, C. Curd</i>
06.JAN.2021 Staff Meeting	<i>All Staff</i>
06.JAN.2021 Phone Conference w/ Bookkeeper: Tax Docs to Mail, 1099's, W3/W4s	<i>P. Blair</i>
06.JAN.2021 Mtg: Afternoon Mtg w/ D. Jeffrey & Citizen / Monitor Well Prep/Discussion	<i>P. Blair, A. Balzen</i>
06.JAN.2021 Accounts Payable: Write Checks; Accounts Receivable: Deposit; QB Backup	<i>P. Blair</i>
07.JAN.2021 Groundwater Team Meeting	<i>C. Curd, A. Balzen, J. McEwen</i>

**Bandera County River Authority and Groundwater District:
Activities of the District- 2nd Quarter FY 2021 (January - March)**

07.JAN.2021 Correspond: Virtual Mtg, Finance Audit Hard Copies, Funds Report. *P. Blair, H. Phillips, C. Curd*

07.JAN.2021 Sent Agenda to Directors & Set up Zoom Meeting link for Quarterly *H. Phillips*

07.JAN.2021 Gather Wellness Logs, Review PDF Finance Audit & Forward, Edit/Review Docs *P. Blair*

07.JAN.2021 Correspondence: Office Coverage; Finance Audit Hard Copies *P. Blair, L. Sparks*

11.JAN.2021 Set Up Tivy Heating & Propane Depot to Fix Heater & Fill Up Propane Tank *P. Blair, H. Phillips*

11.JAN.2021 Research District Devices Needed for Field *H. Phillips*

11.JAN.2021 Office Staff Team Meeting *H. Phillips, P. Blair, C. Curd*

11.JAN.2021 Worked on Gathering News Articles for Annual Report FY 2020 *C. Curd*

11.JAN.2021 Meeting w/Bookkeeper- Qty Public Funds Report; Prep Tax Exempt Forms; Filing *P. Blair*

11.JAN.2021 Troubleshoot Breakers/Heat System/ Reset Ign. in Office & Correspond w/Tivy Heat *L. Thomas*

11.JAN.2021 Accounts Payable: Write Checks; QB Backup; Re-Structure Office *P. Blair*

12.JAN.2021 Quarterly Meeting Prep *H. Phillips*

12.JAN.2021 Vehicle Maintenance *L. Thomas, C. Carter, J. McEwen, L. Sparks*

12.JAN.2021 Create December Wellness Log, Gather Other Wellness Logs, Update District Calendar *P. Blair*

12.JAN.2021 Correspondence: Updates, District Vehicle Issues *P. Blair, H. Phillips*

13.JAN.2021 Vehicle Maintenance *L. Thomas, C. Carter, J. McEwen, L. Sparks*

13.JAN.2021 Manager Team Meeting *D. Mauk, H. Phillips, P. Blair, A. Balzen, L. Spark*

13.JAN.2021 Staff Meeting *All Staff*

13.JAN.2021 Correspondence: Board Books & Scanner Issues *H. Phillips, P. Blair, C. Curd*

13.JAN.2021 Quarterly Meeting Prep *H. Phillips, C. Curd*

13.JAN.2021 Meeting: Board Books, Rescanned, & Items *H. Phillips, P. Blair, C. Curd*

13.JAN.2021 Checks Signed by directors *H. Phillips*

13.JAN.2021 Accounts Payable: Prep & Mail Out Signed Checks; Edit/Review Qty PowerPoint *P. Blair*

13.JAN.2021 Vendor & Consultant Correspondence; Scan Signed IRS Form 1096, Form 941, Form W3 *P. Blair*

13.JAN.2021 AT&T Invoice Inquiry; Scan Employee Activity Log; File Invoices; OPS Sick/Vaca Hrs *P. Blair*

13.JAN.2021 Accounts Receivable: Deposit; Accounts Payable: Write Checks; Pay Stubs; QB Backup *P. Blair*

14.JAN.2021 Quarterly Meeting *D. Mauk, H. Phillips*

14.JAN.2021 Correspondence: Post Qty Meeting Updates *H. Phillips, P. Blair*

14.JAN.2021 Review TSLAC Articles, Complete Bureau of Labor Stats for January, Update Act.of Dis *P. Blair*

14.JAN.2021 Meeting: Office Coverage & Specs *P. Blair, C. Curd, C. Fox*

18.JAN.2021 Office Supplies; Accounts Payable: Write Checks; Profit/Loss; File Invoices; QB Backup *P. Blair*

18.JAN.2021 Meeting: Field Device Purchase, Office Coverage, Scheduling *P. Blair, H. Phillips*

18.JAN.2021 Employee Benefits Insurance Meeting w/Broker *P. Blair, D. Mauk*

18.JAN.2021 HR: Prep Materials for Broker for Employee Benefits Package; Update Portal Addresses *P. Blair*

18.JAN.2021 AP: Prep, Address, Stamp Signed Checks to be Mailed; Accounts Receivable: Inv#0332 *P. Blair*

18.JAN.2021 Office Administration Team Meeting *H. Phillips, P. Blair, C. Curd*

19.JAN.2021 Vendor Correspondence; Invoicing Research; Prep Notes for Mngr Mtg; Edit Docs; *P. Blair*

19.JAN.2021 Phone Conference: Pryors, Coverage, District Calendar *P. Blair, C. Curd*

19.JAN.2021 Office Supplies: Research Annual Report Paper & Letterhead Paper & Purchase *P. Blair*

19.JAN.2021 Manager Team Meeting *P. Blair, H. Phillips, A. Balzen, L. Sparks, D. Mauk*

19.JAN.2021 Meeting: Potential New Schedule Preferences *P. Blair, H. Phillips*

**Bandera County River Authority and Groundwater District:
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19.JAN.2021 Create BC & BEC Invoicing & Letters for O&M Joint Funding Gage	<i>P. Blair</i>
19.JAN.2021 HR: Provide Employee Handbook Section for Inquiry; Correspondence w/ AT&T	<i>P. Blair</i>
20.JAN.2021 Gather Wellness Logs, Prep Notes for Staff Mtg, Accounts Receivable: Revise Inv#0332	<i>P. Blair</i>
20.JAN.2021 Staff Meeting	<i>All Staff</i>
20.JAN.2021 Phone Conference: Simple IRA & Insurance w/ Broker Update	<i>P. Blair, C. Fox</i>
20.JAN.2021 Accounts Receivable: Research & Create Inv#0333; Correspondence w/ AT&T	<i>P. Blair</i>
20.JAN.2021 Accounts Payable: Write Checks; Accounts Receivable: Deposit; File; QB Backup	<i>P. Blair</i>
21.JAN.2021 Update Activities of the District Log	<i>P. Blair</i>
25.JAN.2021 Purchase Covid Prevention Office Supplies; Masks, Disinfectant Spray & Wipes	<i>P. Blair</i>
25.JAN.2021 Accounts Payable: Write Checks; Accounts Receivable: Inv#0334; File Invoices	<i>P. Blair</i>
25.JAN.2021 Organize CC Transaction Logs, Compile Receipts, Flag Signatures Required; Locate Msg	<i>P. Blair</i>
25.JAN.2021 Meeting: Post GMA 9 Mtg Updates- Billing/Finances	<i>P. Blair, H. Phillips</i>
25.JAN.2021 Prep for Office Admin Mtg; Prep & Email W-9 to HTGCD Per Request; QB Backup	<i>P. Blair</i>
25.JAN.2021 Admin Office Team Meeting: Updates	<i>C. Curd, P. Blair, H. Phillips</i>
26.JAN.2021 Meeting: Direct Phone Line Rollover; GWD Team Mtgs; Office Supplies	<i>P. Blair, A. Balzen</i>
26.JAN.2021 Prep Letterhead & Invoices for BC & BEC O&M Gage Partnership & Mail	<i>P. Blair</i>
26.JAN.2021 Accounts Payable: Write CC Check- Enter All Employee CC Charges & Transactions	<i>P. Blair</i>
26.JAN.2021 Receive in Office Supplies; Wellness Log Organization; AP: Write Other Checks; PIR	<i>P. Blair</i>
26.JAN.2021 Accounts Receivable: Deposit; File Deposit; Profit/Loss; QB Backup; Lost Receipt Logs	<i>P. Blair</i>
27.JAN.2021 Staff Meeting	<i>All Staff</i>
27.JAN.2021 Compile Notes from Staff Mtg for Employees Msd; State Audit Praise; Post Mtg; Articles	<i>P. Blair</i>
28.JAN.2021 Correspondence w/Bookkeeper: Next Visit Coordination; USGS Invoice Checks	<i>P. Blair</i>
28.JAN.2021 Correspondence: Tax Check, BB Acct#; Letterhead Paper	<i>P. Blair, H. Phillips</i>
28.JAN.2021 Correspondence: Office Supplies Purchased & Still Needed	<i>C. Fox, P. Blair</i>
28.JAN.2021 Office Supply Order; Update Activities of the District	<i>P. Blair</i>
28.JAN.2021 Phone Conference: Employee Health Insurance Options Selection	<i>P. Blair, H. Phillips, C. Fox</i>
01.FEB.2021 Activities of the District	<i>C. Curd</i>
01.FEB.2021 New Field IPAD Merge Set Up for District Set Up	<i>J. McEwen, P. Blair, H. Phillips</i>
01.FEB.2021 Accounts Payable: Prep, Stamp, Address Signed Checks to be Mailed; Filing	<i>P. Blair</i>
01.FEB.2021 Office Admin Team Meeting	<i>P. Blair, H. Phillips, C. Curd</i>
01.FEB.2021 Accounts Payable: Write Checks; Wellness Logs Gathering; HR: OPS Sick/Vacation Hrs	<i>P. Blair</i>
01.FEB.2021 HR: Paystub Prep for Distribution; QB Backup	<i>P. Blair</i>
02.FEB.2021 HR: Gather Sick/Vacation Hours & Wellness Logs from Staff; Create Jan Wellness Log	<i>P. Blair</i>
02.FEB.2021 Management Team Meeting	<i>P. Blair, D. Mauk, C. Fox, L. Sparks, A. Balzen, H. Phillips</i>
02.FEB.2021 HR: Add Employee to Health Insurance Plan; Correspondence for Annual Report	<i>P. Blair</i>
03.FEB.2021 Paystub Distribution; Organize Logs; Staff Mtg Prep; File Invoices; QB Backup	<i>P. Blair</i>
03.FEB.2021 Staff Meeting	<i>All Staff</i>
03.FEB.2021 Accounts Payable: Prep, Stamp, Address Signed Checks to be Mailed; Write Checks	<i>P. Blair</i>
03.FEB.2021 Accounts Receivable: Inv#0335 & Deposit; HR: OPS Sick/Vacation for Bookkeeper Prep	<i>P. Blair</i>
03.FEB.2021 Complete Information Requested for UHC Health Insurance Broker for District Employee	<i>P. Blair</i>
04.FEB.2021 Provide Proof of Payment to AT&T FirstNet for Alleged Outstanding Balance	<i>P. Blair</i>
04.FEB.2021 Correspondence: Field Supplies Order; Scanned AT&T Invoices; Statements	<i>P. Blair, C. Curd</i>

**Bandera County River Authority and Groundwater District:
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04.FEB.2021 Correspondence w/ Bookkeeper for Payroll & USGS Payments	<i>P. Blair</i>
04.FEB.2021 Activities of the District Update & Insurance Broker Correspondences	<i>P. Blair</i>
08.FEB.2021 Office Admin Team Meeting	<i>P. Blair, H. Phillips, C. Curd</i>
08.FEB.2021 Accounts Payable: Write Checks, QB Backup	<i>P. Blair</i>
10.FEB.2021 Scheduling: Re-Coordinate Mgr Team Meeting & Staff Mtg Times	<i>P. Blair, H. Phillips, L. Sparks</i>
10.FEB.2021 Activate FirstNet Online Acct & Correspondence w/ Rep- Update Acct Payment	<i>P. Blair</i>
10.FEB.2021 Accounts Receivable: Deposit; IT Mtg Departure Items; Filing; QB Backup	<i>P. Blair</i>
10.FEB.2021 Staff Meeting	<i>All Staff</i>
11.FEB.2021 Security CarPort Alarm System Reset Scheduling & Correspondence	<i>P. Blair, C. Curd</i>
11.FEB.2021 Managers Team Meeting	<i>All Managers</i>
16.FEB.2021 Correspondence & Set Up District Managers Meeting Time	<i>All Managers</i>
16.FEB.2021 Submit Bureau of Labor Statistics Report for District & Mngr Team Mtg Prep	<i>P. Blair</i>
16.FEB.2021 Managers Team Meeting	<i>All Managers</i>
17.FEB.2021 Administrative Office Team Meeting Cancelled- Winter Storm	<i>H. Phillips, P. Blair, C. Curd</i>
17.FEB.2021 Staff Meeting Cancelled- Winter Storm- Power Outages	<i>All Staff</i>
17.FEB.2021 Update Activities of the District	<i>P. Blair</i>
22.FEB.2021 Meeting: Office Operations Post Winter Storm	<i>P. Blair, H. Phillips</i>
22.FEB.2021 Administrative Office Team Meeting	<i>H. Phillips, P. Blair, C. Curd</i>
22.FEB.2021 Accounts Payable: Write Checks; CC Transaction Signatures; Filing; Research Invoices	<i>P. Blair</i>
22.FEB.2021 HR: Log OPS Sick/Vaca Hours; Contact Vendors for Discrepancies; Distribute Pay Stubs	<i>P. Blair</i>
22.FEB.2021 Submit Profit/Loss to GM; Print Board Book for AR Assist; Scan Stub; QB Backup	<i>P. Blair</i>
23.FEB.2021 Add Events to District Calendar; Bookkeeper Correspondence; Order Office Supplies	<i>P. Blair</i>
23.FEB.2021 Managers Team Meeting	<i>All Managers</i>
23.FEB.2021 Update Activities of the District; Review/Edit Docs; Annual Report Review & Research	<i>P. Blair</i>
24.FEB.2021 Correspondence; Activities of the District; Receive Field Photos; Prep for Staff Mtg	<i>P. Blair</i>
24.FEB.2021 Staff Meeting	<i>All Staff</i>
25.FEB.2021 BPS Security Logistics; Receive CC Transaction Log Signatures; OPS Vaca Sick Hrs.	<i>P. Blair</i>
25.FEB.2021 Get Checks Signed by Directors	<i>C. Carter</i>
25.FEB.2021 Organize & Flag Signatures Needed for CC Transaction Logs; Gather Msg Receipts	<i>P. Blair</i>
25.FEB.2021 Accounts Payable: Address & Stamp Signed Checks to be Mailed; Edit Docs; QB Backup	<i>P. Blair</i>
25.FEB.2021 Accounts Receivable: Deposit; File Invoices & Deposit	<i>P. Blair</i>
01.MAR.2021 BPS Security Logistics; Organize CC Transaction Log Receipts; Create Lost Receipts	<i>P. Blair</i>
01.MAR.2021 Administrative Office Team Meeting	<i>H. Phillips, P. Blair, C. Curd</i>
01.MAR.2021 Create Invoices; Provide Requested PIA & OMA Training Certs; QB Backup; Filing	<i>P. Blair</i>
01.MAR.2021 Accounts Payable: Write CC & Other Checks; Dist Calendar; Prep PayStubs for Distri.	<i>P. Blair</i>
02.MAR.2021 Update District Calendar; OPS Sick/Vaca Time Submittals	<i>P. Blair</i>
02.MAR.2021 Managers Team Meeting	<i>All Managers</i>
03.MAR.2021 Get Checks Signed	<i>L. Thomas</i>
03.MAR.2021 OPS Sick/Vaca Time Submittal; Staff Call Prep; HNB Correspondence; Director Corresp.	<i>P. Blair</i>
03.MAR.2021 Staff Meeting	<i>All Staff</i>
03.MAR.2021 Accounts Payable: Address & Stamp Signed Checks to be Mailed; BPS Security Logistic	<i>P. Blair</i>
03.MAR.2021 Accounts Receivable: Deposits Wellness Logs; Print Off Sick/Vaca Sheets for Payroll	<i>P. Blair</i>

**Bandera County River Authority and Groundwater District:
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03.JAN.2021	January Quarterly Meeting Minutes	<i>H. Phillips</i>
04.MAR.2021	Correspondence- Propane Tank Refill Logistics	<i>P. Blair, C. Fox, L. Thomas, C. Curd</i>
04.MAR.2021	Correspondence- BPS Security Box Replacement & Verification	<i>P. Blair, C. Curd</i>
08.MAR.2021	Activities of the District	<i>C. Curd</i>
08.MAR.2021	HR: File Paystubs from Payroll; Shell Acct Correspondence; File Invoices; Voicemails	<i>P. Blair</i>
08.MAR.2021	Accounts Payable: Write Checks; Quill & Ranch Radio Vendor Correspondence	<i>P. Blair</i>
09.MAR.2021	Prep for Mgr Team Meeting; Edit Docs; Correspondence w/ Bookkeeper Dates	<i>P. Blair</i>
09.MAR.2021	Managers Team Meeting	<i>All Managers</i>
10.MAR.2021	Have Employees Sign Off on CC Transaction Logs; AT&T Portal/Discrepancy Review	<i>P. Blair</i>
10.MAR.2021	Accounts Payable: Write Checks; Accounts Receivable: Deposit & CC Info; QB Backup	<i>P. Blair</i>
11.MAR.2021	Prep for Staff Mtg; Create Wellness Log for February	<i>P. Blair</i>
11.MAR.2021	Staff Meeting- PP Presentation Sunset Review Prep	<i>All Staff</i>
15.MAR.2021	Administrative Office Team Meeting	<i>H. Phillips, P. Blair, C. Curd</i>
15.MAR.2021	Accounts Receivable: Inv#0336; Send Profit/Loss; Reformatting Info	<i>P. Blair</i>
16.MAR.2021	Submit Data to Bureau of Labor Stats; Prep Notes for Mgmt Team Mtg	<i>P. Blair</i>
16.MAR.2021	Management Team Meeting	<i>All Managers</i>
17.MAR.2021	Print Wellness Logs; OPS Sick/Vaca Submittals; Prep Stubs for Employee Distribution	<i>P. Blair</i>
17.MAR.2021	Create Invoices; Prep Notes for Staff Mtg; Accounts Payable: Write Checks; QB Backup	<i>P. Blair</i>
17.MAR.2021	Accounts Receivable: Deposit	<i>P. Blair</i>
17.MAR.2021	Staff Meeting	<i>All Staff</i>
18.MAR.2021	Bookkeeper Visit Correspondence; Edit Docs; Correspondence for CC Transactions	<i>P. Blair</i>
22.MAR.2021	Quarterly Meeting Prep	<i>C. Curd</i>
22.MAR.2021	Accounts Payable: Write Checks; Write CC Check; Log OPS Sick/Vaca Hrs; QB Backup	<i>P. Blair</i>
22.MAR.2021	Organize CC Transactions & Create/Locate Msg Lost Receipts; Flag Signatures	<i>P. Blair</i>
22.MAR.2021	Stamp & Address Signed Checks & Mail Out	<i>P. Blair</i>
23.MAR.2021	Quarterly Meeting Prep	<i>C. Curd</i>
23.MAR.2021	Management Team Meeting	<i>All Managers</i>
23.MAR.2021	Bookkeeper Visit Correspondence	<i>P. Blair</i>
24.MAR.2021	File Invoices; Prep Notes for Staff Mtg; Accounts Payable: Write Checks; QB Backup	<i>P. Blair</i>
24.MAR.2021	Staff Meeting	<i>All Staff</i>
24.MAR.2021	Accounts Receivable: Deposit	<i>P. Blair</i>
29.MAR.2021	Administrative Office Team Meeting	<i>H. Phillips, P. Blair, C. Curd</i>
29.MAR.2021	Activities of the District	<i>C. Curd</i>
29.MAR.2021	Accounts Payable: Write Checks; QB Backup	<i>P. Blair</i>
30.MAR.2021	Update Activities of the District & Prep for Mrgr Mtg (Postponed)	<i>P. Blair</i>
31.MAR.2021	Activities of the District	<i>P. Blair, C. Curd</i>
31.MAR.2021	Stamp, Address, & Mail Signed Checks; File/Create Invoices; Bookkeeper Prep	<i>P. Blair</i>
31.MAR.2021	Meeting: New CRP Addition to Quarterly Report + Quarterly Mtg Agenda	<i>P. Blair, C. Curd</i>
31.MAR.2021	Accounts Payable: Write Checks; Obtain Signatures on CC Transaction Logs; QDoc Edit	<i>P. Blair</i>
31.MAR.2021	Phone Conference: Specs for Vendor Garage Invoice Creation	<i>P. Blair, L. Sparks</i>

**Bandera County River Authority and Groundwater District:
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Well Reg/Permits- 29 Reg, 1APVD, 1PNDG Permits, Variances: 1; *J. McEwen, A. Balzen, C. Carter, C. Curd*
 Receiving Water Samples for Testing- 78 total tests *C. Curd, L. Sparks, C. Carter*
 Public Information Requests completed- 16 *C. Curd, H. Phillips*
**All surface and groundwater sampling events (See Watershed Protection and Aquifer Science)*

Performance Management & Quality Improvement

05.JAN.2021 Webinar: Covid-19 Prevention in the Workplace & Holiday Management	<i>P. Blair</i>
05.JAN.2021 Webinar: Work Shield Workplace Harassment & Discrimination Solutions	<i>P. Blair</i>
05.JAN.2021 Webinar: TSLAC Interstate Correspondence Email & Management	<i>P. Blair</i>
06.JAN.2021 Correspondence w/ Finance Auditor- Answer Questions & Provide Materials	<i>P. Blair, D. Mauk</i>
07.JAN.2021 Finance Audit: Provide Final Items Needed for Auditor	<i>P. Blair, H. Phillips</i>
11.JAN.2021 Worked on Gathering News Articles for Annual Report FY 2020	<i>C. Curd</i>
11.JAN.2021 Records Management: Categorize Chemical Water Analysis & Pull Met Retention Rec.	<i>P. Blair</i>
14.JAN.2021 Finance Audit: Score of "Unmodified" (highest possible) in Quarterly Meeting	<i>P. Blair</i>
21.JAN.2021 Webinar: TSLAC Email Management Basics	<i>P. Blair</i>
21.JAN.2021 Webinar: 3 Things That Will Help You be a Better Supervisor	<i>P. Blair</i>
20-22.JAN.2021 TWI Urban Riparian Restoration Training for CEUs	<i>D. Mauk</i>
27.JAN.2021 Webinar: Overcoming Blocks in Workplace	<i>P. Blair</i>
28.JAN.2021 Webinar: Accountability in the Remote Working Environment by Energage	<i>P. Blair</i>
28.JAN.2021 Pryor Training - How to Supervise People	<i>A. Balzen</i>
02.FEB.2021 FY2020 Annual Report Drive Folder Organization	<i>P. Blair</i>
02.FEB.2021 Annual Report FY2020: Pull Checklist, Choose Cover Page, & District Information	<i>P. Blair</i>
01.FEB.2021 HR: Documentation	<i>P. Blair</i>
03.FEB.2021 HR: Occurrences & Situations	<i>P. Blair, D. Mauk</i>
03.FEB.2021 HR: Occurrences & Situations; Scheduling & Phone Conference	<i>P. Blair</i>
04.FEB.2021 Annual Report FY2020: Complete Staff Write Up & District Teams Pages + Checklist	<i>P. Blair</i>
04.FEB.2021 HR: Documentation	<i>P. Blair</i>
08.FEB.2021 HR: Occurrences/Situations/Documentation	<i>P. Blair, D. Mauk</i>
09.FEB.2021 Annual Report: Send Out First Proof to Managers for Review	<i>P. Blair</i>
09.FEB.2021 Annual Report: Share Covid-19 Timeline & Response for District	<i>H. Phillips</i>
09.FEB.2021 Annual Report: Share GM Response for Updating	<i>P. Blair, D. Mauk, H. Phillips, A. Balzen</i>
09.FEB.2021 Annual Report: Review Programs & Initiatives FY2020	<i>P. Blair, H. Phillips</i>
09.FEB.2021 Annual Report: Add Landscaping & Field Photos & Update Checklist	<i>P. Blair</i>
09.FEB.2021 Annual Report: Meeting/Correspondence/ Layout Options w/ Designer	<i>P. Blair</i>
10.FEB.2021 Meeting: HR & Planning Ahead	<i>P. Blair, J. McEwen, D. Mauk</i>
10.FEB.2021 SOP: Departure Checklist	<i>P. Blair, J. McEwen, D. Mauk</i>
11.FEB.2021 Review OSHA Guidance for Workplace in Covid	<i>P. Blair</i>
11.FEB.2021 HR: Send Interview Questions Best Practices Guide for Intern Selection	<i>P. Blair, C. Fox, D. Mauk</i>
11.FEB.2021 HR: Update Last Names in UHC Insurance & Ensure Addresses Correct	<i>P. Blair</i>
23.FEB.2021 Annual Report: Groundwater Program Section + Photos	<i>P. Blair</i>
23.FEB.2021 Annual Report: Drought Monitor Map + RainSpotter Graph & Update Checklist	<i>P. Blair</i>
24.FEB.2021 Register for TSLAC Records Management Training Webinar	<i>P. Blair</i>

**Bandera County River Authority and Groundwater District:
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24.FEB.2021 Annual Report: Field Photos + Groundwater Program Section Edits + Finalization	<i>P. Blair</i>
24.FEB.2021 Annual Report: Pull Registered, Permitted, & Plugged Well #'s for FY2020	<i>P. Blair</i>
24.FEB.2021 Annual Report: Meeting: Layout Options w/ Designer + Update AR Checklist	<i>P. Blair</i>
24.FEB.2021 Annual Report: Begin Surface Water Section	<i>P. Blair</i>
01.MAR.2021 Annual Report: Compile & Receive in Data	<i>P. Blair</i>
02.MAR.2021 Annual Report: Send Proof; Surface Water Section Data; Send DFC Template; Checklist	<i>P. Blair</i>
03.MAR.2021 Annual Report: Surface Water Section Data & Graphs/Charts/Maps & Checklist	<i>P. Blair</i>
04.MAR.2021 Annual Report: Field Op/Landscape Photos & Captions & Surface Water Section	<i>P. Blair</i>
04.MAR.2021 Annual Report: Pull Surface Water Dates + Photos & Meet w/ Designer for Layout	<i>P. Blair</i>
08.MAR.2021 HR: Employment Verification for Employee + Pay Stub Sending & Correspondence	<i>P. Blair</i>
08.MAR.2021 Annual Report: Surface Water Section; Date Formatting; Articles; CRP & In-House	<i>P. Blair</i>
08.MAR.2021 Annual Report: Contact Staff to Assist w/Data	<i>P. Blair, C. Curd, L. Sparks, C. Carter, H. Phillips</i>
09.MAR.2021 Annual Report: Article Inclusion Inquiry	<i>P. Blair, H. Phillips</i>
09.MAR.2021 Annual Report: Surface Water Section; Date Formatting & Cross Referencing	<i>P. Blair</i>
09.MAR.2021 Annual Report: Photo & Data Accuracy Check	<i>P. Blair, L. Sparks, C. Carter</i>
09.MAR.2021 Transparency Star Meeting	<i>C. Curd, P. Blair</i>
09.MAR.2021 Annual Report: Meeting w/ Graphic Designer for Layout & Add Invasive Species Mgmt	<i>P. Blair</i>
10.MAR.2021 Annual Report: Surface Water Section Data + Checklist & Enforcement/Investigations	<i>P. Blair</i>
10.MAR.2021 Annual Report: Environmental Investigations Section + Meeting w/ Designer for Layout	<i>P. Blair</i>
11.MAR.2021 Annual Report: Meet w/ Graphic Designer Over Final Surface Water Section Layout	<i>P. Blair</i>
11.MAR.2021 Annual Report: Complete Checklist + Pull Environmental Investigation Dates	<i>P. Blair</i>
11.MAR.2021 Annual Report: Email Out Surface Water Section to Staff for Review	<i>P. Blair</i>
11.MAR.2021 Annual Report: Send FEWS Section 1st Draft for Review/Update Checklist	<i>P. Blair, L. Thomas</i>
15.MAR.2021 Annual Report: Receive Feedback & Edits from Staff for Surface Water & FEWS	<i>P. Blair</i>
15.MAR.2021 Annual Report: Compile FEWS Dates/Events, Photos, Reformat; Drought Postings	<i>P. Blair</i>
16.MAR.2021 Annual Report: Covid-19 Addition to GM Statement & Drafting	<i>H. Phillips, P. Blair, D. Mauk</i>
16.MAR.2021 Annual Report: Edits Needed & Meeting w/ Designer for Layout	<i>P. Blair</i>
16.MAR.2021 Annual Report: Add Photos; Checklist; Finish FEWS Portion & Begin Education	<i>P. Blair</i>
17.MAR.2021 Annual Report: Send Out Proof to Staff of FEWS Section for Review	<i>P. Blair</i>
18.MAR.2021 Annual Report: Pull Dates for Education & Outreach Section & Checklist	<i>P. Blair</i>
22.MAR.2021 Annual Report: Send Corrected Graphs to Designer for Input	<i>P. Blair</i>
23.MAR.2021 TSLAC Records Mgmt Training	<i>P. Blair</i>
23.MAR.2021 Annual Report: Pull Education Outreach Dates & Finish Education & Outreach Section	<i>P. Blair</i>
23.MAR.2021 Annual Report: Start Resource Planning & Collaboration Section & Update Checklist	<i>P. Blair</i>
24.MAR.2021 Annual Report: Pull Dates for Resource Planning; Meet w/ Staff for Edits	<i>P. Blair</i>
24.MAR.2021 Annual Report: Meet w/ Designer for Layout; Email Education Proof to Staff for Review	<i>P. Blair</i>
25.MAR.2021 Annual Report: Meeting- Edit Proof of Education & Outreach Section	<i>C. Fox, P. Blair</i>
25.MAR.2021 Annual Report: Meeting w/ Graphic Designer Over Layout	<i>P. Blair</i>
25.MAR.2021 Annual Report: Pull Dates for Resource Planning & Collaboration; Update Checklist	<i>P. Blair</i>
25.MAR.2021 Annual Report: Start Newspaper Articles Section & Type Out List	<i>P. Blair</i>
26.MAR.2021 Annual Report: Performance & Management Goals	<i>P. Blair</i>
27.MAR.2021 Annual Report: Performance & Management Goals Data Pull & Total #'s/Formatting	<i>P. Blair</i>

**Bandera County River Authority and Groundwater District:
Activities of the District- 2nd Quarter FY 2021 (January - March)**

28.MAR.2021 Annual Report: Meeting w/ Graphic Designer Over Layout; Pull More Data	<i>P. Blair</i>
28.MAR.2021 Annual Report: Send Final Data Info Needed to Staff & Edit & Review Perf. & Mgmt	<i>P. Blair</i>
29.MAR.2021 Survey for TSLAC Records Mgmt Training & Guides	<i>P. Blair</i>
29.MAR.2021 Annual Report: Send Out Proof to Staff for Review & Final Edits	<i>P. Blair</i>
29.MAR.2021 Annual Report: Meetings Over Final Data Information	<i>P. Blair, C. Carter, A. Balzen, L. Sparks</i>
29.MAR.2021 Annual Report: Review Entire Annual Report & Notate Final Edits Required	<i>P. Blair</i>
30.MAR.2021 TSLAC Webinar: Achieving Compliance & Copyright Records	<i>P. Blair</i>
30.MAR.2021 Annual Report: Meetings: Corrections Needed + Final Data	<i>P. Blair, H. Phillips, A. Balzen</i>
30.MAR.2021 Annual Report: Data Cross Referencing for Performance & Management Goals	<i>P. Blair</i>
30.MAR.2021 Annual Report: Email Out Final Draft of Performance & Management Goals to Staff	<i>P. Blair</i>
30.MAR.2021 Annual Report: Meeting w/ Graphic Designer for Final Corrections & Layout Design	<i>P. Blair</i>
31.MAR.2021 Annual Report: Final Annual Report Layout Design w/ Graphic Designer	<i>P. Blair</i>
31.MAR.2021 Annual Report: Print Out Annual Reports for Binding	<i>P. Blair</i>
31.MAR.2021 Annual Report: Punch & Bind Annual Reports	<i>C. Curd</i>

Water Resource Management & Policy

04.JAN.2021 GMA-9 Meeting Minutes	<i>H. Phillips</i>
05.JAN.2021 Sent Response to State Auditors	<i>H. Phillips</i>
05.JAN.2021 Texas Water Foundation Meeting	<i>D. Mauk</i>
06.JAN.2021 Correspondence w/ Finance Auditor- Answer Questions & Provide Materials	<i>P. Blair, D. Mauk</i>
06.JAN.2021 DFC Billing & GMA-9 Correspondence	<i>H. Phillips</i>
07.JAN.2021 Finance Audit: Provide Final Items Needed for Auditor	<i>P. Blair, H. Phillips</i>
07.JAN.2021 Financial Audit Research	<i>D. Mauk, H. Phillips</i>
11.JAN.2021 Meeting w/ CAD and TWF	<i>D. Mauk, H. Phillips</i>
12.JAN.2021 Get Checks Signed by Directors	<i>H. Phillips</i>
14.JAN.2021 Quarterly Meeting	<i>D. Mauk, H. Phillips</i>
18.JAN.2021 Legislative Review	<i>H. Phillips</i>
18.JAN.2021 Get Checks Signed by Directors	<i>H. Phillips</i>
20-22.JAN.2021 TWI Urban Riparian Restoration Training for CEUs	<i>D. Mauk</i>
25.JAN.2021 GMA-9 Meeting	<i>H. Phillips</i>
25.JAN.2021 Meeting: Post GMA 9 Mtg Updates- Billing/Finances	<i>P. Blair, H. Phillips</i>
27.JAN.2021 GMA 9 Invoice #4 Send Out	<i>H. Phillips</i>
04.FEB.2021 Filled out TCEQ GCD form	<i>H. Phillips</i>
08.FEB.2021 Legislative Review	<i>H. Phillips</i>
08.FEB.2021 Input GMA 9 Invoice #4 Dues into QB & Place in Binder	<i>P. Blair</i>
09.FEB.2021 Annual Report: Share Covid-19 Timeline & Response for District	<i>H. Phillips</i>
09.FEB.2021 Annual Report: Review Programs & Initiatives FY2020	<i>P. Blair, H. Phillips</i>
10.FEB.2021 Meeting re: BMA lawsuit	<i>H. Phillips, D. Mauk</i>
10.FEB.2021 Get Checks Signed by Director	<i>D. Mauk</i>
10.FEB.2021 Accounts Receivable: Deposit GMA 9 Invoice#4 Received From GWDs	<i>P. Blair</i>
22.FEB.2021 Zoom Meeting w/ CItY, HCA, Parks and Wildlife	<i>H. Phillips, D. Mauk, L. Sparks, C. Carter</i>

**Bandera County River Authority and Groundwater District:
Activities of the District- 2nd Quarter FY 2021 (January - March)**

22.FEB.2021 Meeting: Office Operations Post Winter Storm	P. Blair, H. Phillips
23.FEB.2021 Legislative Review	H. Phillips
25.FEB.2021 Accounts Receivable: Deposit GMA-9 Invoice#4 Received From GWDs Phase 2 Part 3	P. Blair
01.MAR.2021 Sunset Review Prep	H. Phillips
02.MAR.2021 TX Executive Order Research	H. Phillips
02.MAR.2021 Meeting w/ Nora re: options for domestic well	H. Phillips, A. Balzen
03.MAR.2021 Sunset Review Prep	H. Phillips
03.MAR.2021 GMA9 Minutes and Zoom Link Setup	H. Phillips
04.MAR.2021 Correspondence Over Outstanding GMA-9 Invoices	P. Blair, H. Phillips
08.MAR.2021 Board Education Curriculum	H. Phillips
10.MAR.2021 Board Education Curriculum	H. Phillips
11.MAR.2021 Transparency Star Meeting	C. Curd, C. Fox
12.MAR.2021 USGS Webinar	A. Balzen, L. Sparks
15.MAR.2021 Board Education Curriculum	H. Phillips
15.MAR.2021 Special Reporting District Completion	H. Phillips, D. Mauk
17.MAR.2021 Sales Meeting for Groundwater Database	A. Balzen
18.MAR.2021 Board Education Curriculum	H. Phillips
18.MAR.2021 Transparency Star Meeting	C. Curd, C. Fox
22.MAR.2021 GMA-9 Meeting	H. Phillips
22.MAR.2021 Post GMA-9 Meeting Invoices/Payments Received	P. Blair, H. Phillips
22.MAR.2021 Get Checks Signed by Directors	H. Phillips
23.MAR.2021 Stakeholder Brainstorm Meeting	D. Mauk, H. Phillips
24.MAR.2021 Board Education Curriculum	H. Phillips
25.MAR.2021 Meeting Minutes and Role of the Clerk	H. Phillips
26.MAR.2021 TWCA Manager's Meeting	D. Mauk, H. Phillips
29.MAR.2021 Board Education Curriculum	H. Phillips
29.MAR.2021 Quarterly Meeting Prep	H. Phillips
29.MAR.2021 Meeting: Annual Report Update & Quarterly Meeting To-Dos	H. Phillips, P. Blair
29.MAR.2021 Meeting: Logistics + Option #2 for Flexibility Staggered Schedule	P. Blair, H. Phillips, D. Mauk
29.MAR.2021 Vaccine Information Provided to Staff FYIs	H. Phillips
30-31.MAR.2021 Post Meeting Agenda	H. Phillips, C. Curd

All Board Meetings (See General Management and Operations)

Water Well Permitting & Registration (Groundwater District Operations)

06.JAN.2021 Meeting: Monitor Well / Permit Mtg w/ D. Jeffrey & BC Citizen	A. Balzen, D. Jeffrey, D. Mauk
07.JAN.2021 Groundwater Team Meeting	A. Balzen, J. McEwen, C. Curd
11.JAN.2021 Research Texas Water Rights	A. Balzen
12.JAN.2021 Processed and Entered Pumping Reports into Database	A. Balzen
12.JAN.2021 Made Permits for the New Permit Applications	A. Balzen
14.JAN.2021 Provide Received Pumping Reports	P. Blair, A. Balzen
14.JAN.2021 Groundwater Team Meeting	A. Balzen, J. McEwen, C. Curd

**Bandera County River Authority and Groundwater District:
Activities of the District- 2nd Quarter FY 2021 (January - March)**

18-21.JAN.2021 Enter Pumping Reports & Contact People w/ Missing Reports	A. Balzen
20.JAN.2021 Provide Received Pumping Reports	P. Blair, A. Balzen
21.JAN.2021 Groundwater Team Meeting	A. Balzen, J. McEwen
26.JAN.2021 Meeting: Direct Phone Line Rollover; GWD Team Mtgs; Office Supplies	P. Blair, A. Balzen
26.JAN.2021 Provide Received Pumping Reports	P. Blair, A. Balzen
27.JAN.2021 Groundwater District Management Webinar	A. Balzen
28.JAN.2021 Groundwater Team Meeting	A. Balzen, J. McEwen, C. Curd
01.FEB.2021 Provide Received Pumping Reports	P. Blair, A. Balzen
04.FEB.2021 Groundwater Team Meeting	A. Balzen, J. McEwen, C. Curd
04.FEB.2021 Groundwater District Management Webinar	A. Balzen
08.FEB.2021 Phone Conference: Procedures / Occurrence Discussion	P. Blair, A. Balzen
10.FEB.2021 Meeting: Groundwater District Record Keeping & Retention Periods	P. Blair, A. Balzen
22.FEB.2021 Provide Received In Pumping Reports	P. Blair, A. Balzen
02.MAR.2021 Meeting w/ Nora re: options for domestic well	H. Phillips, A. Balzen, D. Mauk
03.MAR.2021 Post Drill Inspections	A. Balzen, C. Carter
04.MAR.2021 Meeting with Younglife	A. Balzen, D. Mauk, H. Phillips
15.MAR.2021 Meeting with Younglife	A. Balzen, D. Mauk, H. Phillips
15.MAR.2021 New Monitor Well Meeting	A. Balzen, D. Mauk, H. Phillips
18.MAR.2021 Groundwater Team Meeting	A. Balzen, C. Curd, C. Carter
22.MAR.2021 GMA-9 Meeting	H. Phillips
22.MAR.2021 Post GMA-9 Meeting Invoices/Payments Received	P. Blair, H. Phillips
25.MAR.2021 Groundwater Team Meeting	A. Balzen, C. Curd, C. Carter, L. Thomas
25.MAR.2021 Tour of Monitor Well Sites	A. Balzen, D. Mauk

Well Reg/Permits- 29 Reg, 1APVD, 1PNDG Permits, Variances: 1;	J. McEwen, A. Balzen, C. Carter, C. Curd
Nuisances & Violations- 8 Nuisance Complaints, 0 Notice of Violations	C. Carter, A. Balzen
Well Site Inspections- 14 inspections;	A. Balzen, C. Carter, J.
McEwen	
Water Well Sample Collection- 2 nd site visits;	A. Balzen, C. Carter, J.
McEwen	

Aquifer Science & DFC Compliance

04.JAN.2021 DFC Billing Meeting	H. Phillips, D. Mauk
05.JAN.2021 Monitor Well Level BCRA GD	A. Balzen
06.JAN.2021 Meeting in Regards to Future Monitor Well Programs	A. Balzen, D. Mauk
06.JAN.2021 DFC Billing & GMA-9 Correspondence	H. Phillips
12.JAN.2021 DFC Billing Meeting	H. Phillips, D. Mauk
12.JAN.2021 Monitor Well Level BCRA GD	A. Balzen
13.JAN.2021 STGS Meeting Webinar	A. Balzen
19.JAN.2021 Monitor Well Level BCRA GD	A. Balzen
20.JAN.2021 Well Plugging Meeting	A. Balzen, D. Mauk
25.JAN.2021 Meeting: Post GMA 9 Mtg Updates- Billing/Finances	P. Blair, H. Phillips

**Bandera County River Authority and Groundwater District:
Activities of the District- 2nd Quarter FY 2021 (January - March)**

26.JAN.2021 Monitor Well Level BCRA GD	A. Balzen
27.JAN.2021 GMA 9 Invoice #4 Send Out	H. Phillips
01.FEB.2021 Take Monitor Well Levels	A. Balzen
02.FEB.2021 Monitor Well Level BCRA GD	A. Balzen
08.FEB.2021 Input GMA 9 Invoice #4 Dues into QB & Place in Binder	P. Blair
09.FEB.2021 Monitor Well Level BCRA GD	A. Balzen
10.FEB.2021 Accounts Receivable: Deposit GMA 9 Invoice#4 Received From GWDs	P. Blair
15.MAR.2021 TWDB Board Meeting	A. Balzen
16.FEB.2021 Monitor Well Level BCRA GD	A. Balzen
23.FEB.2021 Monitor Well Level BCRA GD	A. Balzen
24.FEB.2021 TAGD Legislative Meeting	A. Balzen
25.FEB.2021 Accounts Receivable: Deposit GMA-9 Invoice#4 Received From GWDs Phase 2 Part 3	P. Blair
25.FEB.2021 TWDB Board Meeting	A. Balzen
02.MAR.2021 Monitor Well Level BCRA GD	A. Balzen
04.MAR.2021 Correspondence Over Outstanding GMA-9 Invoices	P. Blair, H. Phillips
12.MAR.2021 TAGD Conference Call	A. Balzen
15.MAR.2021 New Monitor Well Meeting	A. Balzen, D. Mauk, H. Phillips
16.MAR.2021 Monitor Well Level BCRA GD	A. Balzen
23.MAR.2021 Monitor Well Level BCRA GD	A. Balzen
23.MAR.2021 Graphed trends in BCRA GD Monitor Well Project data	A. Balzen
22.MAR.2021 GMA-9 Meeting	H. Phillips
22.MAR.2021 Post GMA-9 Meeting Invoices/Payments Received	P. Blair, H. Phillips
25.MAR.2021 Completed monitor well quarterly Excel sheet for Quarterly Report	A. Balzen
30.MAR.2021 Monitor Well Level BCRA GD	A. Balzen

Well Site Inspections- 14 inspections;	A. Balzen, C. Carter, J. McEwen
Water Well Sample Collection- 2 nd site visits;	A. Balzen, C. Carter, J. McEwen
Receiving Water Samples for Testing- 78 total tests;	C. Curd, L. Sparks, C. Carter

Water Quality-Science/Research (Groundwater District Operations & River Authority Operations)

05.JAN.2021 State Water Implementation Fund and Abridged Application Webinar	A. Balzen
07.JAN.2021 TAGD Meeting	A. Balzen
11.JAN.2021 GMA-9 Minutes & Set Up GMA-9 Meeting	H. Phillips
14.JAN.2021 Diversion Lake CRP	C. Carter, L. Sparks
15.JAN.2021 River Authority Team Meeting	C. Carter, L. Sparks
19.JAN.2021 GIS Database Management	C. Carter
19.JAN.2021 Prepared Field Maps for Zebra Mussel Settlement Sampler check	C. Carter
20-22.JAN.2021 TWI Urban Riparian Restoration Training for CEUs	D. Mauk
20.JAN.2021 Zebra Mussel Sampler Check	C. Carter, L. Sparks
20.JAN.2021 Created GIS of proposed WWTP site	C. Carter
20.JAN.2021 Mapped river miles of discharge point to the main stem of the Upper Sabinal River	C. Carter

Bandera County River Authority and Groundwater District:
Activities of the District- 2nd Quarter FY 2021 (January - March)

21.JAN.2021 Medina Lake CRP		<i>C. Carter, L. Sparks</i>
02.FEB.2021 Axis Project Info Session		<i>C. Carter, L. Sparks</i>
02-04.FEB.2021 TCAFS Meeting		<i>C. Carter, L. Sparks</i>
03.FEB.2021 South Texas Regional Task Force Quarterly Meeting		<i>C. Carter</i>
11.FEB.2021 Medina River CRP		<i>C. Carter, L. Sparks</i>
22.FEB.2021 Zoom Meeting w/ City, HCA, Parks and Wildlife	<i>H. Phillips, D. Mauk,</i>	<i>L. Sparks, C. Carter</i>
23.FEB.2021 Sabinal CRP		<i>C. Carter, L. Sparks</i>
23.FEB.2021 Bandera FIF Project Discussion		<i>C. Carter, L. Sparks</i>
24.FEB.2021 Zebra Mussel Sampler Check		<i>C. Carter, L. Sparks</i>
25.FEB.2021 GoToWebinar - Arc Hydro in ArcGIS Pro		<i>C. Carter</i>
02.MAR.2021 Zebra Mussel Shoreline Survey		<i>C. Carter, L. Sparks</i>
04.MAR.2021 Zebra Mussel Sampler Check		<i>C. Carter, L. Sparks</i>
25-25.MAR.2021 Quarterly In-house		<i>C. Carter, L. Sparks</i>
25.MAR.2021 Medina River CRP		<i>C. Carter, L. Sparks</i>
30.MAR.2021 In-House Resample		<i>L. Sparks</i>

Water Conservation

14.JAN.2021 Diversion Lake CRP		<i>C. Carter, L. Sparks</i>
20.JAN.2021 Zebra Mussel Sampler Check		<i>C. Carter, L. Sparks</i>
21.JAN.2021 Medina Lake CRP		<i>C. Carter, L. Sparks</i>
20-22.JAN.2021 TWI Urban Riparian Restoration Training for CEUs		<i>D. Mauk</i>
11.FEB.2021 Medina River CRP		<i>C. Carter, L. Sparks</i>
22.FEB.2021 Zoom Meeting w/ City, HCA, TX Parks & Wildlife	<i>H. Phillips, D. Mauk,</i>	<i>L. Sparks, C. Carter</i>
23.FEB.2021 Sabinal CRP		<i>C. Carter, L. Sparks</i>
24.FEB.2021 Zebra Mussel Sampler Check		<i>C. Carter, L. Sparks</i>
02.MAR.2021 Zebra Mussel Shoreline Survey		<i>C. Carter, L. Sparks</i>
04.MAR.2021 Zebra Mussel Sampler Check		<i>C. Carter, L. Sparks</i>
25-25.MAR.2021 Quarterly In-house		<i>C. Carter, L. Sparks</i>
25.MAR.2021 Medina River CRP		<i>C. Carter, L. Sparks</i>
30.MAR.2021 In-House Resample		<i>L. Sparks</i>

Medina Lake Management

21.JAN.2021 Medina Lake CRP		<i>C. Carter, L. Sparks</i>
24.FEB.2021 Zebra Mussel Sampler Check		<i>C. Carter, L. Sparks</i>
02.MAR.2021 Zebra Mussel Shoreline Survey		<i>C. Carter, L. Sparks</i>
04.MAR.2021 Zebra Mussel Sampler Check		<i>C. Carter, L. Sparks</i>

Education & Community Outreach & Public Relations

07.JAN.2021 Social Media Content		<i>C. Curd</i>
07.JAN.2021 Education Team Meeting		<i>C.Fox ,C. Curd</i>

**Bandera County River Authority and Groundwater District:
Activities of the District- 2nd Quarter FY 2021 (January - March)**

07.JAN.2021 Digital Newsletter Preparation	C. Fox, C. Curd
13.JAN.2021 GM and Ed Manager Planning/Update Meeting	C. Fox, D. Mauk
14.JAN.2021 Education Team Meeting	C. Fox, C. Curd
14..JAN.2021 Social Media Content Mapping	C.Fox, C. Curd
14.JAN.2021 Education Team Meeting	C. Fox, C. Curd
20.JAN.2021 Education Team Meeting	C. Fox, C. Curd
20.JAN.2021 Meetings with GM and OM	C. Fox, D. Mauk,P.Blair
20.JAN.2021 Newsletter posted to outlets	C. Fox, C. Curd
21.JAN.2021 Phone Conference: Social Media Mapping/ Planning	C. Fox
21.JAN.2021 Phone Conference: Upcoming Events, Ideas, Supplies Needed, Office Updates	P. Blair, C. Fox
27.JAN.2021 Research Illegal Dumping-Statistics and Impacts	C. Fox
28.JAN.2021 Content Research/ Education Topics	C. Fox, C. Curd
28.JAN.2021 Education Team Meeting	C. Fox, C. Curd
03.FEB.2021 Education Team Meeting	C. Fox, C. Curd
04.FEB.2021 Website Updates & Contacted Bandera Bulletin re: Newspaper Publications	H.Phillips
04.FEB.2021 Education Team Meeting	C. Fox, C. Curd
11.FEB.2021 HR: Send Interview Questions Best Practices Guide for Intern Selection	P. Blair, C. Fox, D. Mauk
11.FEB.2021 Internship Presentation & Social Media content work	C. Fox, C. Curd
16.FEB.2021 Correspondence: Education & Upcoming Events	P. Blair, C. Fox
22.FEB.2021 Educational Team Meeting	C: Fox, C. Curd
22.FEB.2021 Released Statement Re: free bacteria sampling	H. Phillips, C. Curd, C. Fox
23.FEB.2021 Internship Meeting with Schreiner University	C. Fox, C. Curd
24.FEB.2021 Follow up with Dr. Distal Schreiner University	C. Fox
25.FEB.2021 Educational Team Meeting	C. Fox, C. Curd
02.MAR.2021 GM and Ed Manager Strategic Planning Meeting	C. Fox, D. Mauk
03.MAR.2021 Created of invasive species presentation	C. Curd
03.MAR.2021 Board Member Training Meeting	C. Fox, H.Phillips
03.MAR.2021 Confirmation of School Visits with NRA/Mary Bales	C. Fox
04.MAR.2021 Education Team Meeting	C. Fox, C.Curd
04.MAR.2021 Presentation Content Development-Illegal Dumping/Zebra Mussels	C. Fox, C.Curd
04.MAR.2021 Zebra Mussel Presentation Review/Edit	C. Fox, C.Curd
09.MAR.2021 Education Team Meeting	C. Fox, C.Curd
18.MAR.2021 Education Team Meeting	C. Fox, C.Curd
23.MAR.2021 Newsletter Preparation	C. Fox, C.Curd
25.MAR.2021 Education Team Meeting	C. Fox, C.Curd
25.MAR.2021 Annual Report: Meeting- Edit Proof of Education & Outreach Section	C. Fox, C.Curd
31.MAR.2021 Education Quarterly Meeting Doc	C. Fox, P. Blair C. Fox, C.Curd

**Bandera County River Authority and Groundwater District:
Activities of the District- 2nd Quarter FY 2021 (January - March)**

Social Media Posts Facebook- 34, Instagram-20, Twitter-0

C. Fox, C. Curd

Environmental Investigations, Illegal Dumping, Regulatory Compliance

19.JAN.2021 Environmental Investigation Opened	<i>C. Carter</i>
20.JAN.2021 Take Information for Anonymous Nuisance Complaint & Provide to EI Team	<i>P. Blair</i>
20.JAN.2020 Follow up on Environmental Investigation Call	<i>C. Carter</i>
25-29.JAN.2021 Code Enforcement Officer Training	<i>L. Sparks, C. Carter</i>

Well Reg/Permits- 29 Reg, 1APVD, 1PNDG Permits, Variances: 1;	<i>J. McEwen, A. Balzen, C. Carter, C. Curd</i>
Nuisances & Violations- 8 Nuisance Complaints, 0 Notice of Violations;	<i>A. Balzen C. Carter</i>
Well Site Inspections- 14 inspections;	<i>A. Balzen, C. Carter, J. McEwen</i>
Water Well Sample Collection- 2 nd site visits;	<i>A. Balzen, C. Carter, J. McEwen</i>

Drought Stage/Precipitation Monitoring/ Flood Warning & Awareness/ Data Management

06.JAN.2021 Correspondence: Data/#s for FY2021 USGS JFA	<i>P. Blair, L. Thomas</i>
07.JAN.2021 Post Drought Status	<i>C. Curd</i>
11.JAN.2021 TWDB / USGS Invoicing	<i>L. Thomas</i>
12.JAN.2021 TWDB / USGS FEWS	<i>L. Thomas</i>
13.JAN.2021 TWDB / USGS FEWS	<i>L. Thomas</i>
14.JAN.2021 Provide Received Rainfall Monitoring Sheets	<i>P. Blair, L. Thomas</i>
21.JAN.2021 Correspondence Updates for USGS Payments	<i>P. Blair, L. Thomas</i>
26.JAN.2021 Prep Letterhead & Invoices for BC & BEC O&M Gage Partnership & Mail	<i>P. Blair</i>
27.JAN.2021 Correspondence: USGS Payments Required & Office Supplies Needed	<i>P. Blair, L. Thomas</i>
28.JAN.2021 Sabinal Report Rainspotter data	<i>L. Thomas</i>
30.JAN.2021 FEWS Reports - TFMA CEC uploads	<i>L. Thomas</i>
01.FEB.2021 Provide Received Rainfall Monitoring Sheet	<i>P. Blair, L. Thomas</i>
01.FEB.2021 Correspondence USGS Payments for O&M Gage & Bookkeeper	<i>P. Blair, D. Mauk, L. Thomas</i>
01-05.FEB.2021 Sabinal FEWS Qtr. Report and invoicing All week	<i>L. Thomas</i>
02.FEB.2021 Rain Spotter Data	<i>L. Thomas</i>
03.FEB.2021 Correspondence: Sent Off USGS Payment O&M Gage Chk#14458	<i>P. Blair, D. Mauk, L. Thomas</i>
04.FEB.2021 Drought Monitor Posted	<i>C. Curd</i>
08.FEB.2021 Meeting: USGS Checks to Be Mailed & Cross Referencing	<i>P. Blair, L. Thomas</i>
09.FEB.2021 Sabinal FEWS Qtr Report - USGS invoicing	<i>L. Thomas</i>
15.FEB.2021 Sabinal QTR report Submitted TWDB	<i>L. Thomas</i>
17.FEB.2021 Medina FEWS Draft Final Report in progress	<i>L. Thomas</i>
23.FEB.2021 Medina Draft Final Report in progress	<i>L. Thomas</i>
25.FEB.2021 Research Invoices Paid & Outstanding for FEWS Organization & Correspondence	<i>P. Blair</i>
25.FEB.2021 Mail Off USGS Check#001015	<i>P. Blair</i>

**Bandera County River Authority and Groundwater District:
Activities of the District- 2nd Quarter FY 2021 (January - March)**

02.MAR.2021 Draft Final Report for Medina FEWS	L. Thomas
03.MAR.2021 Sabinal FEWS Draft Plans for Public Meeting	L. Thomas
08.MAR.2021 Post Drought Status	C. Curd
08.MAR.2021 Meeting: FEWS & USGS Payments & Upcoming Payments	P. Blair, L. Thomas
08-23.MAR.2021 Worked on Extension email for TWDB on Sabinal FEWS	L. Thomas
15.MAR.2021 Meeting Over Invoices for FEWS	P. Blair, L. Thomas
18.MAR.2021 Meet to Discuss Bandera Billing	L. Thomas
18.MAR.2021 Review TWDB Extension Request	L. Thomas, P. Blair
24.MAR.2021 Meeting: USGS Invoices & Extension Amendment & Research Payments	P. Blair, L. Thomas
26.MAR.2021 Correspondence: Annual Report FEWS & USGS Payment Updates	P. Blair, L. Thomas
29.MAR.2021 Research & Provide Tracking & Delivery Date for USGS Chk#1015	P. Blair, L. Thomas
29.MAR.2021 Scan GM Signed USGS JFA Amendment Extension Letter & Email/CC Involved Parties	P. Blair
31.MAR.2021 Meeting & Overnight USGS Chk#14498 Inv#90830580	P. Blair, L. Thomas

All Monitor Well Measurements see Aquifer Science & DFC Compliance

Aquatic Invasive Species

LEVI SPARKS
AQUATIC ECOLOGIST/WATER QUALITY SCIENTIST
BANDERA COUNTY RIVER AUTHORITY AND GROUNDWATER DISTRICT

Our Core Values

Professionalism

Dedication to
Science Honor &
Integrity

Public Service
Stewardship

Leadership &
Collaboration
Accountability

Transparency

Our Mission

- “The principle mission of the Bandera County River Authority & Groundwater District is to protect and preserve the County’s water and natural resources for the State of Texas. The District is also tasked with maintaining local accountability of the County’s water resources to help safeguard the property rights of the citizens of Bandera County.”

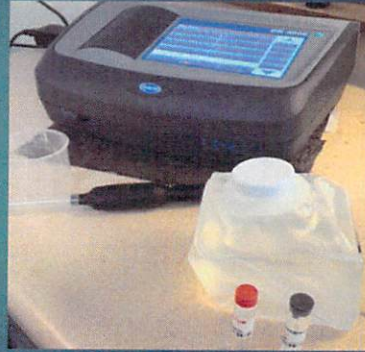
Preserving & Protecting the Aquifer

- Well Nuisance Investigations
 - Inspect all wells drilled in the County
- Monitor Well Program
 - Static levels collected monthly
- Well Plugging Program
- Geophysical Logging Program

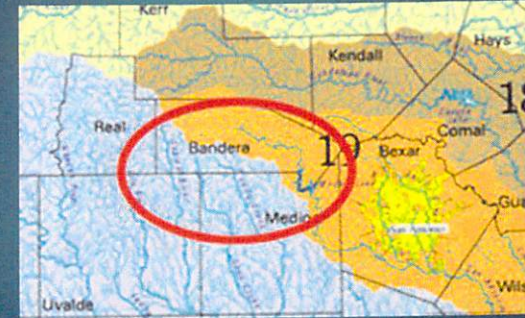


Laboratory Services

- ▶ The public may bring in well water samples to be analyzed for bacteria and pertinent mineral content

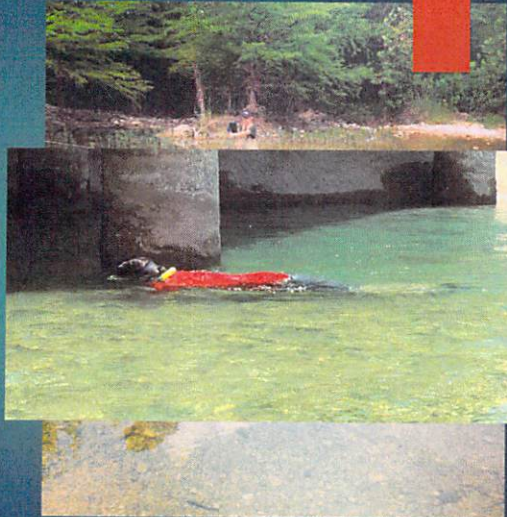


Preserving & Protecting the Headwaters



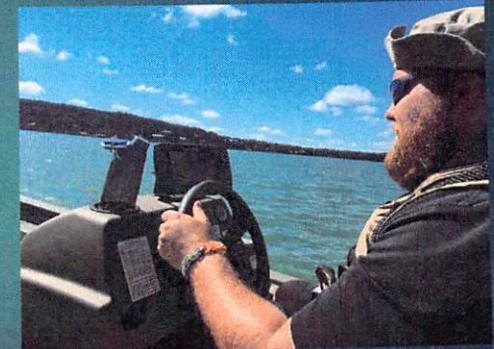
Preserving & Protecting the Headwaters

- ▶ Clean Rivers Program
 - ▶ Partnered with San Antonio River Authority in 2013
 - ▶ Partnered with Nueces River Authority in 2016
 - ▶ Started sampling Medina Lake in 2016
- ▶ Aquatic Life Monitoring
- ▶ Mussel Survey
- ▶ In-House Surface Water Quality Sampling



Medina Lake Management

- ▶ Nonpoint Source Pollution Initiative Sampling (Concluded in 2017)
 - ▶ Partnered with the United States Geological Survey to continue monitoring
- ▶ Habitat build & implementation with Quality BASS Club & Quality Youth BASS Club of San Antonio, TX
- ▶ Medina Lake CRP



Other Programs of the BCRAAGD

- Illegal Dumping
- Natural Resource Investigations
- Bass Relocation Events
- Fish Releases
- Fish Habitat Assemblage and Deployment for Medina Lake
- Drought Monitoring
- Rainfall Monitoring
- Flood Awareness and Management
- Education & Outreach Programs

Aquatic Invasive Species that Threaten Bandera County

What is an invasive species?

- Any species that has a tendency to spread to a degree believed to cause damage to the environment, economy, or human health.
 - Plant, fungus, or animal
 - Typically introduced by humans
 - Does not have to be from another country

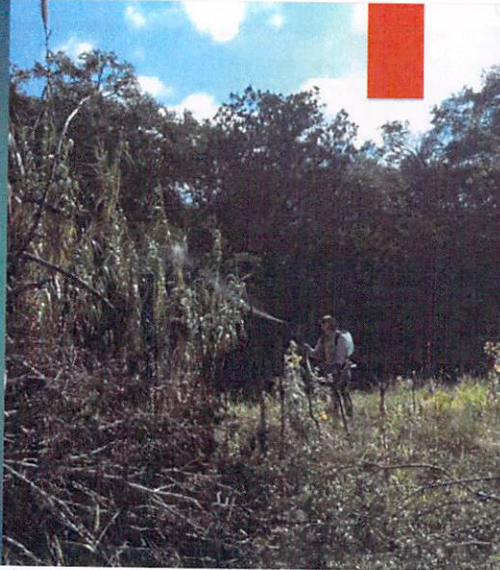
Arundo donax and Zebra mussels

- Possibly the two biggest threats at this time to Bandera County's aquatic ecosystem
- Threaten natural species and humans
 - Ecologically
 - Economically
 - Safety



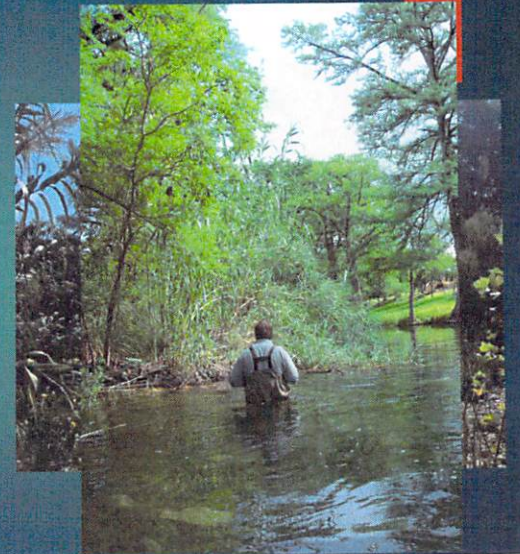
Arundo

- Also called giant cane
- Native to the Mediterranean Basin
- Widely planted by humans
 - Present in 2 states.
 - Listed as invasive in 21



Arundo Biology

- Tall, perennial grass
 - Over 20 feet in height
- Extensive, creeping rootstocks
- Spread by budding
 - It is assumed that the seeds are not viable
- Massive amount of water usage
- Brought by Spanish colonists



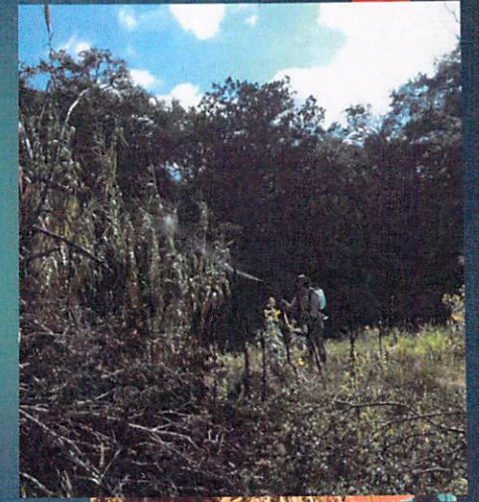
Issues with Arundo

- Ecological Issues
 - Crowds out native plants
 - Reduces wildlife habitat
 - Higher fire frequency and intensity
 - Modifies river hydrology
- Economic and Safety Issues
 - Treatments can be time-consuming, costly, and difficult
 - Multiple revisits are needed
 - Modifications can cause flooding
 - No flood buffer



Treatments

- Chemical Control
 - Glyphosate
 - Has to be appropriate for aquatic use
 - 1% solution of chemical with 0.5% solution of surfactant
 - Usually treated in late July to early October
- Mechanical Control
 - Extremely time consuming
 - Difficulty to do properly
 - Must get entire root stock



Management of Arundo within Bandera County

- BCRAGD is working closely with the Nueces River Authority to help continue control efforts in the Nueces River Basin within Bandera county.
 - Will be starting control efforts in the Medina River Basin in the near future
 - Focuses on landowner involvement
 - Need to know the extent of Arundo infestations on the Medina River
 - Contact Morgan Ayers at the BCRAGD for more information and how you can become involved

STATE OF TEXAS

ARUNDO DONAX IMPAIRS CREEK HEALTH

Documented in **136+** Texas counties, Arundo can grow up to **2 INCHES PER DAY**, threatening fish and water quality.

FISHING & BOATING IMPACTS
Arundo restricts boat access to waterways, making it difficult to reach popular fishing spots. It also blocks boat traffic, creating safety hazards and increasing fuel costs.

DAMAGE TO RIVER BANKS
Arundo roots stabilize river banks, but its dense growth can block water flow, leading to erosion and bank collapse. It also traps sediment, which can clog waterways.

DROUGHT & FLOOD RISK
Arundo's dense growth can block water flow, leading to drought and flood risk. It also traps sediment, which can clog waterways.

Keep our creeks healthy. Prevent invasives:
1. Don't move firewood. 2. Clean your boat. 3. Plant natives.

Zebra mussel (*Dreissena polymorpha*)

- To date, zebra mussels have been the most aggressive freshwater invader worldwide
- Native to the Black, Caspian, and Aral Seas.
- Most likely spread by bilge water
- 11 Texas lakes are classified as "infested"
 - Canyon Lake
 - Lake Travis
- More are listed as positive (found on more than one occasion)
 - Austin Lake

Zebra Mussel Biology

- Maximum shell size from 3.5 to 4 centimeters
- Found in large clusters
- Identified by their striped patterns
- Free-floating larval stage
 - Veliger stage
- Adaptable to a wide range of substrates



Issues with Zebra Mussels

- Ecological Issues
 - High rate of filtration
 - Outcompete native mussels
 - Will attach to native mussel shells causing the death of native species
- Economic Issues
 - Millions of dollars are spent each year on trying to control zebra mussels
 - Disrupt entire city water supply systems
 - Damage to landowner watercrafts
- Safety concerns
 - Lacerations due to stepping on large colonies
 - Sinking of navigation buoys



Treatment of Zebra Mussels

- Chemical
- Manual
- Dewatering
- Screens
- Ultraviolet light
- Biological
- All ineffective
- Prevention is the key!

ZEBRA MUSSELS HIDE HERE.
Protect our Lake and Rivers from Invasive Species

IT'S THE LAW: Remove invasive plants and debris and drain all water before leaving this water body.
TexasInvasives.org

CLEAN, DRAIN AND DRY
YOUR BOAT AND GEAR EVERY TIME

TEXAS PARKS & WILDLIFE
Benders County Parks & Wildlife Department

Future Plans for Prevention /Management of Zebra Mussels

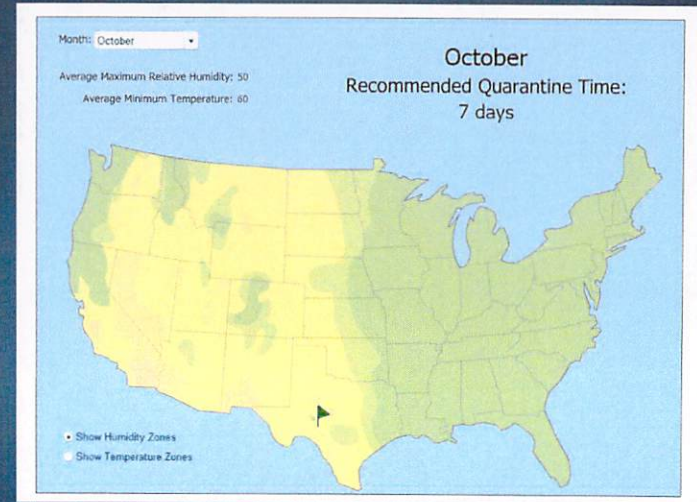
- BCragd will be working closely with SARA and Texas Parks and Wildlife to train staff members on detection methods of zebra mussels
- Will continue to do public outreach to educate landowners about prevention of an infestation of the Medina and Sabinal Rivers, specifically Medina Lake
- Future mussel surveys within the river systems to detect native mussels
 - Some native species may be of concern
- Find potential funding for detection methods and prevention materials
- If you believe you have found zebra mussels anywhere in the state, please contact me (Levi Sparks) or a member of TPWD, including game wardens.

Conclusions

- Prevention of the spread of invasive species is the best solution
- Boots on the ground approach is key
- Landowner involvement is critical to success!

More Information

- ▶ <http://www.texasinvasives.org/>
- ▶ BCRAD
- ▶ NRA
- ▶ TPWD
- ▶ Agrilife Extension Office
- ▶ <http://www.100thmeridian.org/emersion.asp>



Questions?

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