AAPC- 20241017-02

received 10.10.24

Texana Groundwater Conservation District

Mailing Address: P.O. Box 1098, Edna, Texas 77957

(361) 781 - 0624 FAX: (361) 781 - 0453

Website: www.TexanaGCD.org Email: admin@TexanaGCD.org

APPLICATION TO AMEND A PERMIT OR CERTIFICATE

Complete this application for the purposes of amending a permit or certificate issued by the District.

Note: In accordance with the District's rules, the District may request additional information not requested in this application in order to consider the application administratively complete.

Note: Applications to amend permits must be submitted within ninety (90) days of acquiring land or groundwater rights associated with a permit.

Instructions:

1. Complete the form to the best of your knowledge and belief.
2. Type or print all information.
3. Attach copies of any relevant documentation or information to this application.
4. If a portion of the information requested on this form cannot be provided, enter "unknown" in the related blank space.

AAPC- 20241017-01

SECTION1: PERMIT OR CERTIFICATE HOLDER INFORMATION			
Last Name, First Name, Middle Initial			
Mark Kubecka			
Owner Entity (Partnership / Corporation / Trust, etc.)			
Bowers and Saha Aquaculture, LLC			
Mailing Address:	24781 SH 35 S		
City:	Palacios	State: Tx	Zipcode: 77465
Phone:	631-972-2414		
E-Mail:	mkubecka@homegrownseafood.com		

AAPC- 20241017-01

SECTION 2: AMENDMENT INFORMATION

Certificate Identification:	
Permit Identification:	WV-20191219-01

Description of Amendment Request

Amend waiver WV-20191219-01 as reflected in the attached "red-lined" version of waiver WV-20191219-01 attached to this application.

BSA contends the requested amendment is justified and good cause exists for approval of the request because conductivity goes down pumping IW-3, groundwater production in the vicinity of the fish farm (production on adjacent property, production in nearby and adjacent county) significantly contributes to the repeated exceedence of performance criteria,

The attached report (i.e., "DiSorbo Report") and monitoring data is submitted as supporting documentation for the amendment request.

AAPC- 20241017-01

SECTION 3: AGREEMENT

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision and that the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I agree to operate the well, well field, or well system in accordance with the Texana County Groundwater Conservation District's Rules. I further state that I am the well, well field, or well system owner or I am authorized to act for the owner.

Reed Bowers
Signature

10/7/24
Date

Reed Bowers
Printed Name

Waiver and Variance

Section 1 – General Details:

This waiver and variance is granted in accordance with the provisions of the Rules of the Texana Groundwater Conservation District (the District) and acceptance of this waiver and variance constitutes an acknowledgment and agreement that the applicant, well operator, and well owner will comply with the terms and conditions of this waiver and variance and the Rules of the District not affected by this waiver and variance.

Waiver and Variance ID:	**WV-20191219-01**
Permitted Entity:	**Bower and Saha Aquaculture, LLC**
Applicant Name:	**Reed Bowers**
Applicant Address:	**1205 Frank Stubbs Dr., El Campo, Texas 77437**
Waiver Application ID:	**AWV-20190307-01**
Amendment Application ID:	**AAPC-YYYYMMDD-SQ**
Associated Permit Applications:	**AOWF-20190304-03**
Associated Permits:	**Existing Production Permits:[1] VP-20121115-01, VP-20121203-01, VP-20121203-02, VP-20121203-03, VP-20121203-04, VP-20121203-05, VP-20121203-06, VP-20121203-07, AP-201203-14, VPW-20191219-01; and Production Permit: OPWF-20191219-01.**
Associated District Rules:	**Items 9 and 10 of Rule 4.3 (Required information for an application for a production permit); Item 13 of Rule 4.3 (Production Permit Conditions); Item 4 of Rule 4.11 (Attempts to obtain adjacent landowner waivers). Item 1 of Rule 5.2 (Well Separation Requirement for Well Fields); Item 3 of Rule 6.4 (1/2 AFYA Limitation).**

This waiver is conditioned upon the well operator and well owners otherwise complying with the Rules of the District and regulations of the State of Texas, as amended, applicable to operating water wells within the District. This waiver confers only the right to use the subject wells under the provisions of the Rules of the District and according to the terms of this waiver and variance. The wavier and variance term and conditions may be modified or amended pursuant to the Rules of the

[1] These existing production permits shall remain in effect independent of this waiver and variance, and those requiring renewal are deemed renewed without changes; but production of the wells is governed by this waiver and variance and any conflicting permit terms are suspended in favor of this waiver and variance once production begins under OPWF-20191219-01, unless Permitted Entity surrenders this waiver and variance to the District.

District. This waiver is conditioned upon the Permitted Entity and its successors maintaining ownership of the contiguous tract of land associated with the well field.

Section 2 - Finding of Good Cause by the Board of Directors of the District:

The Board of Directors finds good cause to waive item 12 of Rule 4.2, items 9 and 10 of Rule 4.3, item 13 of Rule 4.3, item 4 of Rule 4.11, item 1 of Rule 5.2, and item 3 of Rule 6.4 and to authorize production in accordance with the terms of this waiver and variance. The basis of the finding of good cause to grant this waiver is the authorization of production of groundwater of lower quality from wells drilled in close proximity to the Carancahua Bay and completed in surficial water strata generally known to produce poor-quality groundwater with total dissolved solids typically in excess of 5,000 mg/L will likely 1) reduce future demand for high-quality groundwater found in deeper water strata in vicinity of the well field site and 2) produce valuable empirical data regarding the development of shallow, brackish groundwater resources near the coast line within the District.

Section 3 - Waiver and Variance Granted:

The Board of Directors grants the following waivers and variances subject to the condition established herein:

1. waive the requirements, established under item 12 of Rule 4.2 and items 9 and 10 of Rule 4.3, to submit technical data with drilling and production permit applications and allow the data within the reports titled Associated Permitting Applications to the report *Assessment of Proposed Groundwater Production at Ekstrom Aquaculture LLC Expansion Project* authored by Venkatesh Uddameri, Ph.D., P.E., and *Assessment of Proposed Groundwater Production at Ekstrom Aquaculture LLC Expansion Project - Additional Simulations and Water Quality Analysis* authored by Venkatesh Uddameri, Ph.D., P.E. to suffice for such purposes;
2. waive the requirement, established under item 4 under Rule 4.11 for the applicant to attempt to obtain the waivers and identifying any required waivers that were not obtained and reason the waiver was not obtained in instances in which the rules of the District allow for exceptions contingent on waiver by adjoining or adjacent landowners;
3. waive the requirement, established under item 1 of Rule 5.2, to prohibit the placement of wells of a non-grandfathered well field closer than one foot per every one gallon-per-minute to wells not owned by the Permitted Entity and authorize the drilling of the proposed wells at locations within the contiguous acreage owned or controlled by the Permitted Entity at the tract of land encompassing the well field;
4. waive the requirement, established under item 3 of Rule 6.4, to limit production of groundwater from the subject well field, comprised of existing grandfathered wells with historic-use production permits, existing non-grandfathered wells with non-historic-use production permits, and proposed non-grandfathered wells, to a rate that does not exceed one-half acre foot per year per contiguous surface acre owned or controlled by the Permitted Entity at the tract of land encompassing the well field;
5. waive the performance standards established under item 13 of Rule 4.3 on the condition that the performance standards established in this waiver and variance shall apply;

6. authorize the production of groundwater from the subject well field at a rate not to exceed 5,884 acre-feet per year; and
7. authorize the production of groundwater from the subject well field at a rate not to exceed 9,210 gallons per minute.

Section 4 - Definitions:

The Board of Directors establishes the following definitions as part of this waiver:

1. **Non-grandfathered Brackish Well (NBW)** means a non-grandfathered well operated to produce brackish groundwater.
2. **Aquifer Monitoring Site (AMS)** means an area located on the contiguous property on which the subject well field is located and is designated as an aquifer monitoring site at which monitoring wells shall be established and aquifer monitoring activities shall be conducted.
3. **Dedicated Aquifer Monitoring Well (DAMW)** means a water well located within an AMS dedicated to and used solely for aquifer monitoring purposes.
4. **Upper Brackish - Dedicated Aquifer Monitoring Well (UB-DAMW)** means a DAMW constructed with a well screen isolated by a positive displacement seal within the groundwater zone from which NBWs will produce brackish groundwater.
5. **Lower Fresh - Dedicated Aquifer Monitoring Well (LF-DAMW)** means a DAMW constructed with a well screen isolated by a positive displacement seal within the groundwater zone with fresh water located below the zone from which NBWs will produce brackish groundwater.
6. **Initial Condition Evaluation Period (ICEP)** means the 10-day period of suspended groundwater production by the Permitted Entity during which the initial aquifer conditions at the well site shall be established.
7. **Initial Condition Adjustment Period (ICAP)** means a multi-month continuous duration observation period following the initiation of groundwater production from any of the subject wells under permit OPWF-20191219-01 requested by the Permitted Entity and authorized by the Board of Directors of the District.
8. **Initial Water Level Condition (IWLC)** means:
    a. the average water level depth, as the measurement of water level depth below the surface, observed in a DAMW during the final 3-day period of the ICEP; or
    b. the average water level depth, as the measurement of water level depth below the surface, observed in a DAMW during the most recently established ICAP, if any.
9. **Reporting Period (RP)** means the period of time of each month of a calendar year.
10. **Rolling Evaluation Period (REP)** means the 12-month period prior to the conclusion of a reporting period.
11. **Drawdown Adjustment Factor (DAF)** means the amount of drawdown in feet, as approved by the Board of Directors of the District, based on the analysis of water level depths below the surface in wells outside a 5-mile radius of the subject well field.
12. **Adjusted Water Level Condition (AWLC)** means the increased water level depth below the surface for a particular calendar year calculated by increasing the value calculated for the IWLC by the DAF.

13. **Average Water Level (AVG-WL)** means the average value of the measurement of water level depth below the surface, observed in a DAMW during the REP.
14. **Acceptable Water Level Change Factor (AWLCF)** means the limit of the increase of the AVG-WL calculated for a DAMW for a report period that is considered acceptable.
15. **Lower Fresh - Acceptable Water Level Change Factor (LF-AWLCF)** is 50 for the REP of the reporting period.
16. **Upper Brackish - Acceptable Water Level Change Factor (UB-AWLCF)** is 20 feet for the REP of the reporting period.
17. **Initial Water Quality Condition (IWQC)** means:
    a. the initial water quality conditions, as specific conductivity measurements in µS/cm units, observed in a DAMW during the final 3-day period of the ICEP; or
    b. the water quality conditions, as specific conductivity measurements in µS/cm units, observed in a DAMW during the most recently established ICAP, if any.
18. **Average Conductivity (AVG-COND)** means the average value of all specific conductivity measurements, in µS/cm units, collected, at regular intervals, from a DAMW during the REP.
19. **Acceptable Conductivity Change Factor (ACCF)** means the limit of increase of the AVG-COND calculated for a DAMW for a report period that is considered acceptable.
20. **Lower Fresh - Acceptable Conductivity Change Factor** is 260 µS/cm units.
21. **Upper Brackish - Acceptable Conductivity Change Factor** is 2,800 µS/cm units.
22. **Produced Groundwater (PGW)** means the volume, in gallons, of groundwater produced from a well or set of wells of the subject well field during a specific reporting period.
23. **Produced Groundwater in Acre-Feet (PGW-AF)** means the volume, in acre-feet, of groundwater produced from a well or set of wells of the subject well field during a specific reporting period, calculated by dividing the PGW by 325,851.
24. **Produced Groundwater Year-to-Date (PGW-YTD)** means the volume, in gallons, of groundwater produced from a well or set of wells of the subject well field from January 1 of the report year to the end of the reporting period.
25. **Produced Groundwater Year-to-Date in Acre-Feet (PGW-YTD-AF)** means the volume, in acre-feet, of groundwater produced from a well or set of wells of the subject well field from January 1 of the report year to the end of the reporting period, calculated by dividing the PGW-YTD by 325,851.
26. **Average Water Level Difference (AVG-WL-DIFF)** means the difference between the AVG-WL calculated for IWLCs and the AVG-WL calculated for a report period.
27. **Average Conductivity Difference (AVG-COND-DIFF)** means the difference between the AVG-COND calculated for the IWQCs and the AVG-COND calculated for a report period.

Section 5 – Conditions and Requirements

The Board of Directors establishes the following conditions and requirements, in addition to those requirements established by the Rules of the District not affected by this waiver and variance, in conjunction with granting this waiver.

Section 5.1 – New Brackish Well Construction Requirements

The following conditions and requirements related to drilling and construction are established for the new NBWs operated under permit OPWF-20191219-01:

1. NBWs shall not be drilled to a depth that exceeds 220 feet below the surface of the ground;
2. NBWs shall not be drilled closer than fifty feet to the nearest property line; and
3. NBWs shall be constructed in a manner to facilitate the collection of water level measurements using a steel tape and water samples directly from the well head.

Section 5.2 – Groundwater Production Limitations

The following conditions and requirements related to groundwater production are established for the water wells operated under production permit OPWF-20191219-01:

1. Groundwater produced from the wells of the subject well field shall be used solely for agricultural purposes;
2. Groundwater shall not be produced from the grandfathered wells of the subject well field at gallons per minute rates that exceed the gallons per minute production rate identified within the historic use production permits associated with a specific grandfathered well of the well field; and
3. Groundwater production from any NBW shall not exceed 350 gallons per minute.

Section 5.3 – Groundwater Production Monitoring and Reporting Requirements

The following conditions and requirements related to groundwater production monitoring and reporting are established for the water wells operated under production permit OPWF-20191219-01:

1. Groundwater production from each well of the subject well field shall be measured by calibrated flow meters.
2. Flow meters used to measure flow of groundwater shall be re-calibrated at least every 5 years.
3. Monthly groundwater production volumes from each well of the subject well field shall be recorded and reported to the District on a monthly basis.
4. Groundwater production measurements from the wells of the subject well field shall be reported to the District within 30 days following the end of each monthly monitoring period.
5. Groundwater production measurements shall be reported in a machine-readable format approved by the District.

Section 5.4 – Aquifer Monitoring and Reporting Requirements

The following conditions and requirements related to aquifer monitoring and reporting are established for the well field operated under production permit OPWF-20191219-01:

1. AMSs shall be established by the Permitted Entity on the well filed site within 300 feet for the following locations:
    a. West-AMS: 28°41'6.266" N, 96°23'23.006" W;
    b. Center-AMS: 28°41'8.800" N, 96°22'24.500" W; and
    c. East-AMS: 28°41'9.856" N, 96°21'25.286" W.

2. A UB-DAMW shall be constructed at each AMS.
3. A LF-DAMW shall be constructed at each AMS.
4. Each DAMW shall be maintained by the Permitted Entity for the term of this waiver.
5. The District shall install and maintain, at the expense of the District, monitoring equipment including water level measurement measuring instruments and water conductivity measuring instruments at each DAMW.
6. Each DAMW shall be accessible to the District for the purpose of measuring aquifer conditions and installation of aquifer monitoring measuring instruments with reasonable advance notice to the Permitted Entity.
7. Water level measurements and conductivity measurements made and recorded by the District shall be used and, if determined to be appropriate by the District, substituted for corresponding, i.e. the same location, date, and time, measurements to be made and recorded by the Permitted Entity.
8. Each UB-DAMW shall have hourly water level measured and recorded by the District. These measurements can be made using a manufacturer-calibrated transducer.
9. The aquifer measurements collected during each monthly monitoring period by the District from the DAMWs shall be reported to the Permitted Entity within 15 days of the end of each monthly monitoring period.
10. The aquifer measurements shall be reported by the District in a machine-readable format.
11. The District shall design and implement an off-site monitoring program for the purposes of collecting groundwater level and water quality measurements of the well field production zones within 2 miles of the fish farm to support the scientifically credible assessment of aquifer conditions.
12. The District shall assess the monitoring data collected through the implementation of the off-site monitoring program on an annual basis during the time period this waiver is in effect.
13. The District shall evaluate the assessment of monitoring data and determine if the creation of a special management area by the District in the vicinity of the fish farm is warranted.

Section 5.5 – Aquifer Monitoring Data Evaluation Requirements

The following conditions and requirements related to aquifer monitoring data evaluation are established for the well field to be operated under production permit OPWF-20191219-01:

1. IWLCs shall be calculated by the District for each DAMW prior to operation of any of the subject wells under permit OPWF-20191219-01; and
2. IWLCs may be revised by the District, if requested by the Permitted Entity and authorized by the board of directors of the district, following the initiation of groundwater production from any of the subject wells under permit OPWF-20191219-01;
3. IWLCs for each DAMW shall be calculated as:
    a. the AVG-WL for the measurements collected by the District from the DAMW during a 3-day duration observation period occurring before commencement of operations under OPWF-20191219-01 during which groundwater production from other wells owned or controlled by Permitted Entity is suspended and was suspended for the preceding 7-day period; or
    b. the AVG-WL for a set of measurements collected by the District from the DAMW during the most recently established ICAP, if any.

4. IWQCs shall be calculated by the District for each DAMW prior to operation of any of the subject wells under permit OPWF-20191219-01; and
5. IWQCs may be revised by the District, if requested by the Permitted Entity and authorized by the board of directors of the district, following the initiation of groundwater production from any of the subject wells under permit OPWF-20191219-01.
6. IWQCs for each DAMW shall be calculated as:
    a. the AVG-COND for the measurements collected by the District from the DAMW during the same 3-day duration observation period occurring before commencement of operations under OPWF-20191219-01 as was observed for the IWLC calculation; or
    b. the AVG-COND for a set of measurements collected by the District from the DAMW during the most recently established ICAP, if any.
7. The water quality measurements collected by the District to calculate the IWQCs shall be collected during the same time period during which the water level measurements were observed for IWLC calculation.
8. For each monthly reporting period, the following parameters shall be calculated and reported for each well of the well field by the Permitted Entity:
    a. PGW;
    b. PGW-AF;
    c. PGW-YTD; and
    d. PGW-YTD-AF.
9. For each monthly reporting period, the following parameters shall be calculated and reported for both the current and previous monthly reporting period for each DAMW of the well field by the Permitted Entity:
    a. AVG-WL;
    b. AVG-COND;
    c. AVG-WL-DIFF; and
    d. AVG-COND-DIFF.

Section 5.6 – Well Field Monitoring Performance Criteria

The following conditions and requirements are established as performance criteria to demonstrate the compliance with production permit OPWF-20191219-01 regarding well field monitoring:

1. the monitoring data related to groundwater production collected and reported by the Permitted Entity shall not have data gaps that constitute more than 5% of the total prescribed measurements per production well during a year.

Section 5.7 – Groundwater Production Performance Criteria

The following conditions and requirements are established as performance criteria to demonstrate the compliance with production permit OPWF-20191219-01 regarding groundwater production:

1. the PGW-YTD-AF for the well field shall not exceed the aggregate volume of groundwater production authorized by the District under production permits associated with water wells within the well field; and

2. the PGW-YTD-AF for the wells GW-00112 (IW-1), GW-00115 (IW-2), and R1GW-00452 (IW-3 Replacement Well) (i.e., wells producing groundwater from the fresh zone) shall not exceed the 90% of the aggregate volume of groundwater production authorized by the District under production permits associated with water wells within the well field.

Section 5.8 – Groundwater Level Performance Criteria

The following conditions and requirements are established as performance criteria to demonstrate the compliance with production permit OPWF-20191219-01 regarding groundwater water levels:

1. the average of the AVG-WL of the LF-DAMWs, during a reporting period, shall not exceed the IWLC or the most recent AWLC, whichever is greater, by more than the LF-AWLCF; and
2. the average of the AVG-WL of the UB-DAMWs, during a reporting period, shall not exceed the IWLC or the most recent AWLC, whichever is greater, by more than the UB-AWLCF.

Section 5.9 – Groundwater Quality Performance Criteria

The following conditions and requirements are established as performance criteria to demonstrate the compliance with production permit OPWF-20191219-01 regarding groundwater quality:

1. Limits of Acceptable Initial Conditions:
    a. the AVG-COND calculated for the IWQCs for any LF-DAMW shall not be greater than 2,600 µS/cm;
    b. the AVG-COND calculated for the IWQCs for any UB-DAMW shall not be less than 7,000 µS/cm; and
    c. the AVG-COND calculated for the IWQCs for any UB-DAMW shall not be greater than 28,000 µS/cm.
2. Limits of Acceptable Impact Calculated during Reporting Period:
    a. the AVG-COND calculated for any LF-DAMW during the reporting period shall not be greater than 3,000 µS/cm; and
    b. the AVG-COND for any UB-DAMW during the reporting period shall not exceed 33,000 µS/cm.

Section 5.10 – Performance Responses

The following conditions and requirements as performance responses are established for the well field operated under production permit OPWF-20191219-01:

1. In the event that any performance criteria are not satisfied during two consecutive reporting periods, groundwater production from wells of the subject well field during the next reporting period shall be curtailed to 50 percent of the average reporting period PGW of the current REP.
2. After the first reporting period with all performance criteria returned to satisfactory conditions after the most recent imposition of curtailment under this section, the curtailment groundwater production from wells of the subject well field shall be reduced by 50% for the next reporting period.

3. After two consecutive reporting periods with all performance criteria returned to satisfactory conditions after the most recent imposition of curtailment under this section, the curtailment groundwater production from wells of the subject well field zone shall be eliminated for the next reporting period.
4. In the event that curtailment is imposed on the well field under this section and a cold period with sustained temperatures below 45 degrees Fahrenheit is predicted for a duration in excess of 5 days, the Permitted Entity shall be permitted to initiate production of up to 350 acre-feet of groundwater from the well field to provide thermal protection to ponds located on the fish farm 3 days in advance of and during the cold period.

Section 5.11 – Failure to Comply with Required Responses

The following conditions and requirements related to failure to comply with performance responses are established for the well field to be operated under production permit OPWF-20191219-01:

1. In the event that groundwater production from the wells of the subject well field is not curtailed as required under this waiver, groundwater production from the wells of the subject well field shall be terminated until all enforcement proceedings have concluded.

Authorization

On _____, the Board of Directors approved a motion instructing the General Manager to issue the waiver and variance request as described above.

_____ _____

Tim Andruss, General Manager Date

Waiver and Variance Acceptance

_____ _____

Reed Bowers, President of Bowers and Saha Aquaculture, LLC Date

THE FACE OF THIS DOCUMENT HAS A COLORED BACKGROUND ON WHITE PAPER AND ORIGINAL DOCUMENT SECURITY SCREEN ON BACK WITH PADLOCK SECURITY ICON.

74829

BOWERS & SAHA AQUACULTURE LLC
24781 S.H. 35 S.
PALACIOS, TX 77465
361-972-2414

First Financial Bank
855-660-5862

88-112/1113

11/22/2024

PAY TO THE ORDER OF Texana Groundwater Conservation District $ **6,500.00

Six Thousand Five Hundred and 00/100********** DOLLARS

Texana Groundwater Conservation District
P.O. Box 69
Victoria, Texas 77902

Void after 90 days

MEMO

AUTHORIZED SIGNATURE

SECURE DOCUMENT SQUARE IMAGES FADE WHEN HEAT IS APPLIED

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BOWERS & SAHA AQUACULTURE LLC

74829

Texana Groundwater Conservation District

11/22/2024

Date	Type	Reference	Original Amt.	Balance Due	Discount	Payment
11/22/2024	Bill	INV-20241122-01-T	6,500.00	6,500.00		6,500.00
					Check Amount	6,500.00

First Financial Bank 6,500.00

ENDORSE HERE

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Security Features	Purpose
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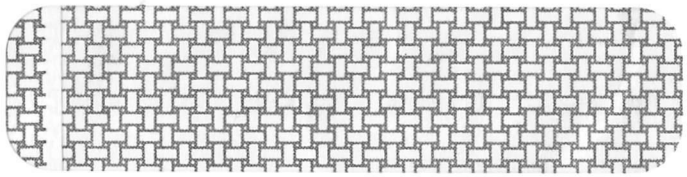
Security Pantograph:	[illegible]
Warning Bands/MP/Padlock Logo:	Warns receivers to be aware of detailed security features.
MICR Penetrating Ink:	Prevents chemical lifting and alteration of imprint information.
Heat Sensitive Ink:	[illegible]

*FEDERAL RESERVE BOARD OF GOVERNORS REG CC



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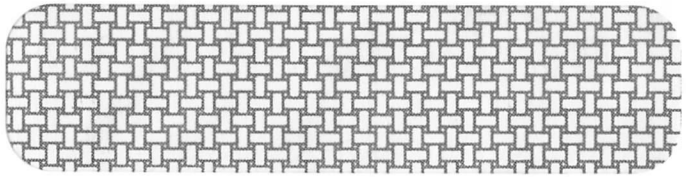


77902-006969

Assessment of the Technical Elements of Waiver and Variance – ID WV-20191219-01
Bower and Saha Aquaculture, LLC

Submitted by: Venkatesh Uddameri, Ph.D. P.E.

Submitted to: Mr. Tim Andruss, General Manager, Texana Groundwater Conservation District

Submission Date: 1/1/2025

Background:

This report provides an assessment of the technical elements of the Waiver and Variance request (WV20191219-01) to Bower and Saha Aquaculture, LLC. The waiver and variance request seeks to authorize groundwater production in accordance with the terms outlined in the waivers and variance document, which is included in Appendix 1. The waiver and variance is based on finding of a goo cause by the Board of Directors of the Texana Groundwater Conservation District. The good cause identified in the waiver and variance request is the authorization of production of groundwater of lower quality from wells drilled in the close proximity to the Canancahua Bay and completed in surficial water strata generally known to produce poor-quality groundwater with total dissolved solids (TDS) in excess of 5000 mg/L. This shift will likely - 1) reduce future demands for high-qualit groundwater found in the deeper water strata in vicinity of the well field site and 2) produce valuable empirical data regarding the development of shallow, brackish groundwater resources near the coast line within the District.

The waiver and variance seeks to waive item 12 of Rule 4.2, Items 9 and 10 of Rule 4.3, itme 13 of rule 4.3, item 4 of Rule 4.11, item 1 of Rule 5.2, and item 3 of Rule 6.4 of the District as it pertains to original production permit that was issued to the permittee. Revised groundwater production and performance monitoring standards are presented as part of the variance. The primary goal of this report is to evaluate the technical elements pertaining to these proposed changes. This report also makes several other recommendations for consideration by the district.

The evaluation is consistent with the definition of "best available science" as outlined in the Chapter 36 section 36.0015-(a) and makes use of publicly available information pertaining to the aquifer hydrogeology as well as other site-specific information that has been compiled and presented by the permittee and other stakeholders as well as monitoring activities that have been carried out by the Texana Groundwater Conservation district. As per the statutes outlined in the Texas Water Code - Groundwater conservation districts in Texas are required to ensure groundwater resources are being conserved and protected from wasteful use and also provide opportunities for groundwater production that leads to economic and other benefits within their jurisdictions.

A detailed assessment of various elements of the waiver and variance are presented and discussed next.

Detailed Assessment of Waiver and Variance Elements

Section 2: Finding Good Cause by the Board of Directors

Evaluation: The use of brackish groundwater as a supplementary and/or a complementary resource to fresh groundwater is actively being promoted by the state of Texas policies and statutes. The Chapter 36 of the Texas Water Code provides Groundwater Conservation Districts flexibility to adopt different terms and conditions for production of brackish groundwater.

Monitoring data available at the site appear to suggest that brackish groundwater in the upper strata of the site exhibit at least some level of hydraulic connectivity to the bay. Therefore, the

production from this zone exhibits the potential to reduce stresses on the freshwater resources in the aquifer.

Section 3-1 – Waiver of Requirements in Item 12 of Rule 4.2 and Items 9 and 10 of Rule 4.3

The waiver of requirements established in Item 12 of Rule 4.2 and Items 9 and 10 of Rule 4.3, to submit data with drilling and production permit applications. It is further sought that the data presented in the reports titled – Assessment of Proposed Groundwater Production by Ekstrom Aquaculture LLC Expansion Project and Assessment of Proposed Groundwater Production by Ekstrom Aquaculture LLC – Additional Simulations and Water Quality Analysis both authored by Dr. Venkatesh Uddameri, Ph.D., P.E. be used to suffice for such purposes.

Evaluation: The data presented in the above mentioned reports are largely based on generalized hydrogeological descriptions that are publicly available (e.g., data used in the development of Groundwater Availability Models (GAM) by the Texas Water Development Board (TWDB) as well as some driller reports that are available from the Texas Water Development Board. While these data can serve to understand the aquifer hydrogeology at a larger scale, they cannot act as substitutes for local scale heterogeneity observed at the site.

Recommendation: As one aspect of the Good Cause is related to the development of empirical data related to the production of brackish groundwater resources, a sole reliance on data that are currently available and summarized in the above mentioned reports would be insufficient. As the permittee's are required to submit well driller reports to state agencies (TDLR, TWDB), the submission of the said report to the GCD would not entail any additional burden on the permittee. Therefore it is recommended that this waiver requirement be modified to include language that – Well driller records and reports of all new wells will be submitted to the district. Additionally, providing the District sufficient notice (at least 72 hours) and allowing them to be present or collect samples when new wells are being drilled would be consistent with the letter and spirit of the waiver and amendment good faith cause.

Section 3-2 – Waiver of Requirement Established Under Item 5 under Rule 4.11

The waiver of requirement established under item 5 under Rule 4.11 removes the requirement of obtaining waivers and identifying any required waivers that were not obtained and the reason the waiver was not obtained in instances in which the rules of the District allow for exceptions contingent on waiver adjoining or adjacent landowners.

Evaluation: This condition is a largely a policy choice and not a technical issue. It is my understanding that granting such waivers is within the scope of the District and has been established by the original approval of waivers by the parties.

Section 3-3 – Waiver of Requirement Established Under Item 1 under Rule 5.2

This waives the explicit prohibition of placement of wells of a non-grandfathered well field closer than one foot per every gallon per minute to wells not owened by the permitted entity and authorize the drilling of the proposed wells at locations with the contiguous acreage owned or controlled by the Permitted Entity at the tract of land encompassing the well field.

Evaluation: While this condition is largely a policy choice, placement of wells in the brackish zone closer to the Bay is likely protective of freshwater resources in the region. The proposal is more consistent with the new production rules adopted by the District in 2024 which require offests from property boundaries rather than neighboring wells.

Section 3-4 – Waiver of Requirement Established Under Item 13 under Rule 4.3

The new conditions established here are - 1) Authorization of the production of groundwater from the subject well field at the rate not exceed 5884 acre-feet per year and 2) authorize the production of groundwater from the well field at rate not to exceed 9210 gallons per minute.

Evaluation: It is my understanding that The production limitation was established with the original waiver and reflects the annual volume of groundwater that could be produced under the associated historic use protection permits associated with the fresh zone production wells (i.e., grandfathered ag. irrigation wells). Given the Good faith cause of enhancing groundwater production from brackish zones, the new conditions are consistent with the earlier policies adopted by the District with a likelihood of reducing the stresses on freshwater use when possible.

Section 4: Definitions

This section provides definitions used as part of the waiver.

Evaluation: The definitions are consistent with the acceptable terminology used within hydrogeology and groundwater hydrology professions. The change factors identified with definitions 14 - 15 and 19 - 21 represent policy choices but are consistent with the observed monitoring data that are available at the site and regional-scale variations that can be inferred from other publicly available datasets such as the Texas Water Development Board Groundwater Database and Information compiled as part of the Groundwater Availability Model development (GAM) (i.e., best available information)

Recommendations: 1) Insert the word ‘feet’ of ‘ft.’ after 50 in definition 15. 2) Add a new definition for SMA – Special Management Area as this is referred to in the report. The suggested language for consideration – “Special Management Area (SMA) – A clearly demarcated area within the jurisdiction of the District (using natural or arbitrarily defined boundaries), that is subject to addition and/or alternative policies and rules than what are adopted and implemented on a district-wide basis.”

Section 5-1: New Brackish Well Construction Requirements

This section provides conditions and requirements related to drilling and construction of New Brackish Wells (NBWs).

Evaluation: The three conditions specified are deemed reasonable. In particular the specified depth limit of 220 ft below ground surface is consistent with regional geology and hydrostratigraphy information. The condition of well being 50 feet from the property line adds an element of conservatism and the condition of being able to obtain water level and water quality

samples satisfies practical considerations for the same and also is important from the standpoint of collecting new empirical information (Good Faith Cause).

Recommendation: It is implicitly understood that any new well construction will follow the guidelines and requirements associated with well construction and development that are prescribed by the Texas Department of Licensing and Regulation. It is recommended that a copy of the well driller report that is submitted to state agencies be made available to the District as well. Well construction presents a significant opportunity to understand aquifer geology and hydrogeology that does not present itself on a regular basis. Therefore, it is also recommended that the permittee provide the District with sufficient advance notice (at least 72 hours) and allow District's personnel to be present at side and obtain water and sediment samples (if they choose) to improve the understanding of the aquifer properties.

Section 5.2 – Groundwater Production Limitations

This section outlines the conditions and requirements related to groundwater production for wells operated under OPWF-20191219-01.

Evaluation: The technical aspects presented in this section, particularly the limitation of 350 gpm from any NBW appear reasonable with the data that are available for such evaluation (e.g., reported measurements and regional aquifer tests).

Section 5.3 – Groundwater Production Monitoring and Reporting Requirements

This section highlights four conditions and requirements related to groundwater production and monitoring and reporting as they pertain to wells operating under OPWF-20191219-01.

Evaluation: The monitoring and reporting requirements appear to offer a good balance between the data required to evaluate changes and conditions associated with the permit in a timely manner and the burden on the permittee to collect such data. Self reporting is a common practice in this type of situations and obtaining a balance between data needs for compliance checking and the burden to do so is important for successful implementation of such programs. The calibration requirements of flow meters are consistent with generally accepted industry standards and practices.

Recommendation: The potential for instrument malfunctioning and failures cannot be ruled out in day-to-day operations. While this is unavoidable to some extent, it is important that the policies outline conditions for documentation of such situations and any alternative evaluation measures to in-fill the missing data such as best professional judgment on part of the permittee based on operating conditions, weather patterns and other considerations such as salinity needs. The following language is suggested for consideration.

"Failures to meter groundwater production shall be reported to the district as an addendum to the associated monthly report with a summary of remedial action taken to resolve the failure and a

reasonable estimate of unmetered production based on operational experience by Permitted Entity."

Section 5.4: Groundwater Production Monitoring and Reporting Requirements

This section outlines the conditions and requirements related to aquifer monitoring and reporting requirements for well field operated under OPWF-20191219-01. There are total of 13 requirements that are specified in this section.

Evaluation: The monitoring locations, reporting requirements and other conditions such as how the data shall be collected by the district, how the monitoring data will be disseminated to the permittee are clearly outlined and these conditions are consistent (or exceed) with the generally acceptable monitoring and reporting practices in the groundwater industry.

Section 5.5: Aquifer Monitoring and Data Evaluation Requirements

This section outlines aquifer monitoring and data evaluation requirements for the well fields operated under the production permit OPWF-20191219-01. The section details a comprehensive set of 9 sub-criteria used to set initial conditions and provides details on calculation procedures for various parameters used for monitoring and evaluating changes.

Evaluation: The conditions specified are comprehensive and reasonable. Given the data for setting initial conditions have already been collected and these conditions established, no changes to this section are warranted.

Section 5.6: Well Field Monitoring Performance Criteria

This section outlines the performance criteria for monitoring. It states that the monitoring data related to groundwater collected and reported by the Permitted Entity shall not have data gaps that constitute more than 5% of the total prescribed measurements per production well during a year.

Evaluation: The criterion requires 95% reliability in the measurement of groundwater production which is reasonable given existing flow meters in the market can operate at such reliability or higher.

Recommendation: The earlier recommendation in Section 5.3 requires that in the absence of actual flow measurements (due to instrument downtime) the permittee provide a best professional estimates of production. To avoid any confusion between actual measurements and estimated production rate, it is recommended that the work “reported by” be removed. The recommendation is rewrite the Point 1 under Section 5.6 as follows:

“The monitoring data related to groundwater production collected ~~and reported~~ by the Permitted Entity shall not have data gaps that constitute more than 5% of the total prescribed measurements per production well during a year.”

Section 5.7 Groundwater Production Performance Criteria

Section 5.7 of the WA document specifies the aggregate production limits under the production permit OPWF-20191219-01. The first criterion limits the total production from the well field to not exceed the authorized production specified in the permit. The second criterion limits the production from wells IW-1, IW-2 and IW-3 (replacement well) that are producing from the freshwater zone to not exceed 90% of the total authorized groundwater production.

Evaluation: The production performance criteria provide flexibility to the permittee to optimize their groundwater use both in terms of their quality and volumetric requirements (subject to meeting the limits set forth in the permit). The 90% limit on production from the freshwater zone makes explicit the lower limit of potential reduction of stresses on the freshwater resources in region. The production performance criteria appears reasonable in trying to balance the needs of flexibility on the part of the permittee and ensuring conservation of groundwater resources. Tracking production from both brackish and freshwater geological units over time will provide an useful information on overall reductions in freshwater stresses.

Section 58 – Groundwater Level Performance Criteria

This section enumerates that the water level changes not exceed the Initial or adjusted water level conditions by the specified change factors defined in the Section 4 of the WA document.

Evaluation: This criteria are consistent with data that are available and deemed reasonable to balance the competing needs of using groundwater for beneficial purposes while ensuring long-term conservation goals that the District has to take into account for managing groundwater resources as per the statutes outlined in the Chapter 36.

Section 5.9 Groundwater Quality Performance Criteria

This section enumerates the water quality performance criteria for both the fresh and brackish groundwater zones.

Evaluation: The prescribed criteria are consistent with the water quality data that are available in public domain as well as those collected at the site while attempting to account for potential mixing of waters from different geological units, recharge and flows in and out of the site (especially to the nearby coastal bodies). The specified criteria appear to provide a reasonable checks and balances while ensuring the needs of the permittee are met to the best possible extent.

Section 5.10 Groundwater Quality Performance Criteria

This section enumerates the conditions for curtailment of groundwater production and subsequent removal of curtailment conditions. Criterion 1 indicates that the curtailment is issued when any performance criteria are not satisfied during two consecutive curtailment periods. Criterion 2

indicates that curtailment will extend for one additional reporting period after the system returns to acceptable state.

Evaluation: The conditions to enforce curtailment and remove curtailment are reasonable. Curtailment nor its removal is not reactionary and based on the groundwater production system being in a consistent state for two reporting periods.

Recommendation: The wording related to the second criterion is a bit difficult to read. The following language is suggested to make the policy easier to follow:

"The 50% curtailment will extend for one additional reporting period after all performance criteria recover to their acceptable ranges."

Closing Remarks

Chapter 36 of the Texas Water Code requires the District to balance the competing needs of allowing the beneficial use of water while ensuring long-term conservation of groundwater resources. The statutes also require that decisions be based on best available scientific information that is readily available. Empirical information obtained from previous monitoring effots both at the site by the District, the permittee as well as regional information available from the Texas Water Development Board (TWDB) and other agencies were consulted as required in this analysis. Standard hydrogeological tools such as distance-drawdown and time-drawdown relationships with plausible parameters based on regional groundwater modeling efforts were also used to gain insights on likely impacts to guide the evaluation presented here. Policy formulations entail several components in addition to technical aspects. The scope of the evaluation therefore was to evaluate the reasonableness of the proposed conditions in the context of available technical (hydrological and hydrogeological) information available for carrying out such an assessment. The continued monitoring at the site will provide useful information to understand the aquifer dynamics. There appears to be sufficient checks and balances in place to prevent continued over-stressing of the aquifer while providing production flexibility to the permittee to satisfy their groundwater needs. Therefore, my overall recommendation is that the waiver and amendment provides a good path forward and help promote the brackish groundwater use, conservation of freshwater resources that are not directly recharged at the site and also collect useful information to understand aquifer dynamics and future policies. The recommendations proposed here should help improve the clarity of the waiver and amendment document.

Venkatesh Uddameri, Ph.D. P.E.
Groundwater Research

7765 Deer Chase Drive,
Beaumont, TX 77713
Ph: 361-219-4178

INVOICE

INVOICE # 2025-01]
DATE: 01/01/2025

TO:
THE GENERAL MANAGER
TEXANA GROUNDWATER CONSERVATION DISTRICT
EDNA, TX

QUANTITY	DESCRIPTION	UNIT PRICE	TOTAL
45 hours	Evaluation of technical WV-20191219-01 including Waiver Application AWB-20190307-01 and Amended Application ID AAPC 20230329-01. Time includes technical evaluation, meeting times and report writing. Report submitted on July 11th 2024.	$150.00/hr	6750.00
26 hours	Evaluation of Waiver and Amendment 2019-01-BSA-Draft. Evaluation of technical elements of the document, meeting with the General Managers and report writing.Report submitted on Jan 1, 2025	$150/hr	3450.00
		TOTAL DUE	10,200.00

Make all checks payable to Venkatesh Uddameri, Ph.D. P.E
If you have any questions concerning this invoice, Venki Uddameri Ph.D. P.E., Ph: 361-219-4178; email: vuddameri@gmail.com

THANK YOU FOR YOUR BUSINESS!

AVWS- 20240624-02--

Texana Groundwater Conservation District

SECTION 1: WELL OWNER INFORMATION

Last Name, First Name, Middle Initial	Green, Phillip		
Owner Entity (Partnership / Corporation / Trust, etc.)	The City of Ganado		
Mailing Address:	P.O. Box 264		
City:	Ganado	State: Tx.	Zipcode: 77962
Phone:	361-771-2232		
E-Mail:	ganadopwd@cityofganado.com		

SECTION 2: WELL SYSTEM LOCATION INFORMATION

Property Address:	112 E. Putnam		
City:	Ganado	State: Tx.	Zipcode: 77962
Nearest Intersection:	2nd Street		
Latitude:	29.04125	Longitude:	-96.51316
If the subject well is registered with the District, specify the well system registration identification:	WSRC- N/A		
If the subject well is not registered with the District, specify the well system registration application identification:	ARWS- N/A		
Specify the acreage of the well system:	747.85 acres		

AVWS-20240624-02--

Texana Groundwater Conservation District

SECTION 3: HISTORIC USE INFORMATION

EXEMPT USE means the operation of a well, well field, or well system:

1. For the sole purpose of producing groundwater to be used for domestic use purposes;
2. For the sole purpose of providing groundwater for personal recreation from a well that is completed, or equipped so that it is incapable of producing more than 35,000 gallons of groundwater per day;
3. For the sole purpose of providing groundwater for livestock watering purposes;
4. For the sole purpose of providing groundwater for fire fighting;
5. For the sole purpose of providing a heat source or heat sink to a freshwater closed loop geothermal well; or
6. For the sole purpose of providing access to monitor groundwater resources that does not consume more than 5,000 gallons of water per year.

EXEMPT USE WELL means a well utilized to produce groundwater to be used solely for exempt use purposes or a well otherwise exempt under the provisions of Section 36.117 of the Texas Water Code.

NON-EXEMPT USE WELL means a well that is not an exempt use well.

Was each well of the subject well system used in a manner that qualifies as a NON-EXEMPT USE WELL?"	[YES] | NO	
Specify the year prior to 2011 for which historic use validation is requested.	2004	
Specify the purpose to which the groundwater produced by the subject well system was used within the year for which validation of historic use is requested:	Municipal Use	
Specify the volume of groundwater produced by the subject well system within the year for which validation of historic use is requested:	225.26	Ac-Ft

AVWS-20240624-02--

Texana Groundwater Conservation District

SECTION 4: WELL INFORMATION

Well System Well # 1 Fairlane Dr.			
Latitude:	29.035813	Longitude:	-96.507601
Specify the volume of groundwater produced by the subject well within the year for which validation of historic use is requested:	40,370,000 Ac-Ft		
If the subject well is registered with the District, specify the well registration identification:	WRC- N/A		
If the subject well is not registered with the District, specify the well registration application identification:	ARW- N/A		
Well System Well # 2 Menefee St			
Latitude:	29.042012	Longitude:	-96.513135
Specify the volume of groundwater produced by the subject well within the year for which validation of historic use is requested:	33,030,000 Ac-Ft		
If the subject well is registered with the District, specify the well registration identification:	WRC- N/A		
If the subject well is not registered with the District, specify the well registration application identification:	ARW- N/A		
Well System Well # 3			
Latitude:		Longitude:	
Specify the volume of groundwater produced by the subject well within the year for which validation of historic use is requested:	Ac-Ft		
If the subject well is registered with the District, specify the well registration identification:	WRC-		
If the subject well is not registered with the District, specify the well registration application identification:	ARW-		

Note: For well systems comprised of more than 4 wells, additional copies of this page of the form should be submitted so that all associated wells of the well system are identified in the application submittal.

SECTION 5: HISTORIC USE EVIDENCE INFORMATION

Describe the evidence supporting the validation request. (Attach additional documentation or explanation to the application as needed.)

Texas Water Development Board

water use survey in calendar year: 2004

AVWS- 20240624-02--

Texana Groundwater Conservation District

SECTION 6: AGREEMENT

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision; the information submitted is, to the best of my knowledge and belief, true, accurate and complete; and I agree to operate the well system in accordance with the Texana Groundwater Conservation District's Rules and the State of Texas' regulations. Further, I certify under penalty of law that I am the well system owner or I am authorized to act as the agent of the well system owner.

Phillip Green
Signature of Well Owner or Authorized Agent

6-10-24
Date

Phillip Green
Printed Name of Well Owner or Authorized Agent

NOTARY PUBLIC'S CERTIFICATE

Subscribed and sworn to before me, by the said Phillip Green,

this 10 day of June, 2024, to certify which witness my hand and seal of office.

Debra A Alaniz
Notary Public Signature

DEBRA A. ALANIZ
Notary Public
STATE OF TEXAS
ID # 1015439-8
My Comm. Exp. July 24, 2027

DEBRA A Alaniz
Notary Public Printed Name

Notary Public in and for Jackson County, Texas.

My commission expires July 24, 2027.

AVWS-20240624-02--

Texana Groundwater Conservation District

AFFIDAVIT OF PAST PRODUCTION

Before me, the undersigned authority, appeared Phillip Green who, being duly sworn states as follows:

"1. I am 18 years of age or older and competent to submit this affidavit.
2. To the best of my knowledge and belief, the information contained in the attached application to validate the historic use of a well system is true and correct.
3. All available information concerning groundwater production during the validation period has been provided to the Texana Groundwater Conservation District."

Phillip Green
Signature

NOTARY PUBLIC'S CERTIFICATE

Subscribed and sworn to before me, by the said Phillip Green,

this 10 day of June, 2024, to certify which witness my hand and seal of office.

Debra A Alaniz
Notary Public Signature

DEBRA A Alaniz
Notary Public Printed Name

DEBRA A. ALANIZ
Notary Public
STATE OF TEXAS
ID # 1015439-8
My Comm. Exp. July 24, 2027

Notary Public in and for Jackson County, Texas.

My commission expires July 24, 2027.

3. submits an administratively complete production permit application and any applicable applications fees to the District by June 30, 2024.

This letter provides notice that the District 1) seeks to obtain voluntary compliance with the rules and offers to settle the violations but will initiate lawsuits as a last resort if voluntary settlement is not promptly obtained, and 2) failing to respond, comply, or settle this matter in a timely fashion will result in further consideration of the matter by the Board of Directors and assessment of civil penalties or other legal remedies.

If you consent to the terms of the above settlement, please sign, date and return a copy of this letter to the District along with the administratively complete application by June 30, 2024.

The District appreciates your cooperation in this matter and will gladly assist you in any way to address this matter in compliance with the District Rules.

Regards,

Mike Benavides, Compliance Specialist

CC: City of Ganado, Phillip Green, P.O. Box 264, Ganado, Texas 77962

Consent to the Settlement Offer of the District
Enforcement Case Violation – ECV-20240503-01

Signature: Phillip Green Date: 6-11-24

Printed Name: Phillip Green

Confirmation of the Contiguous Tracts of Land Ownership

The Texana Groundwater Conservation District requires certain information to be supplied with production permit applications including information regarding the boundary and size of the related tracts of land ownership and groundwater ownership. This form may be used to confirm details regarding the spatial aspects of a permitting request by the applicant.

The map below illustrates the boundary of the subject tracts of contiguous ownership of land (dashed line symbol) associated with permitting request AVWS-20230606-02 as understood by the district. In addition, the map illustrates the location of any water wells registered with the district within the boundary (cross symbol).

The calculated area of the subject tracts of contiguous ownership of land is 747.85 acres.

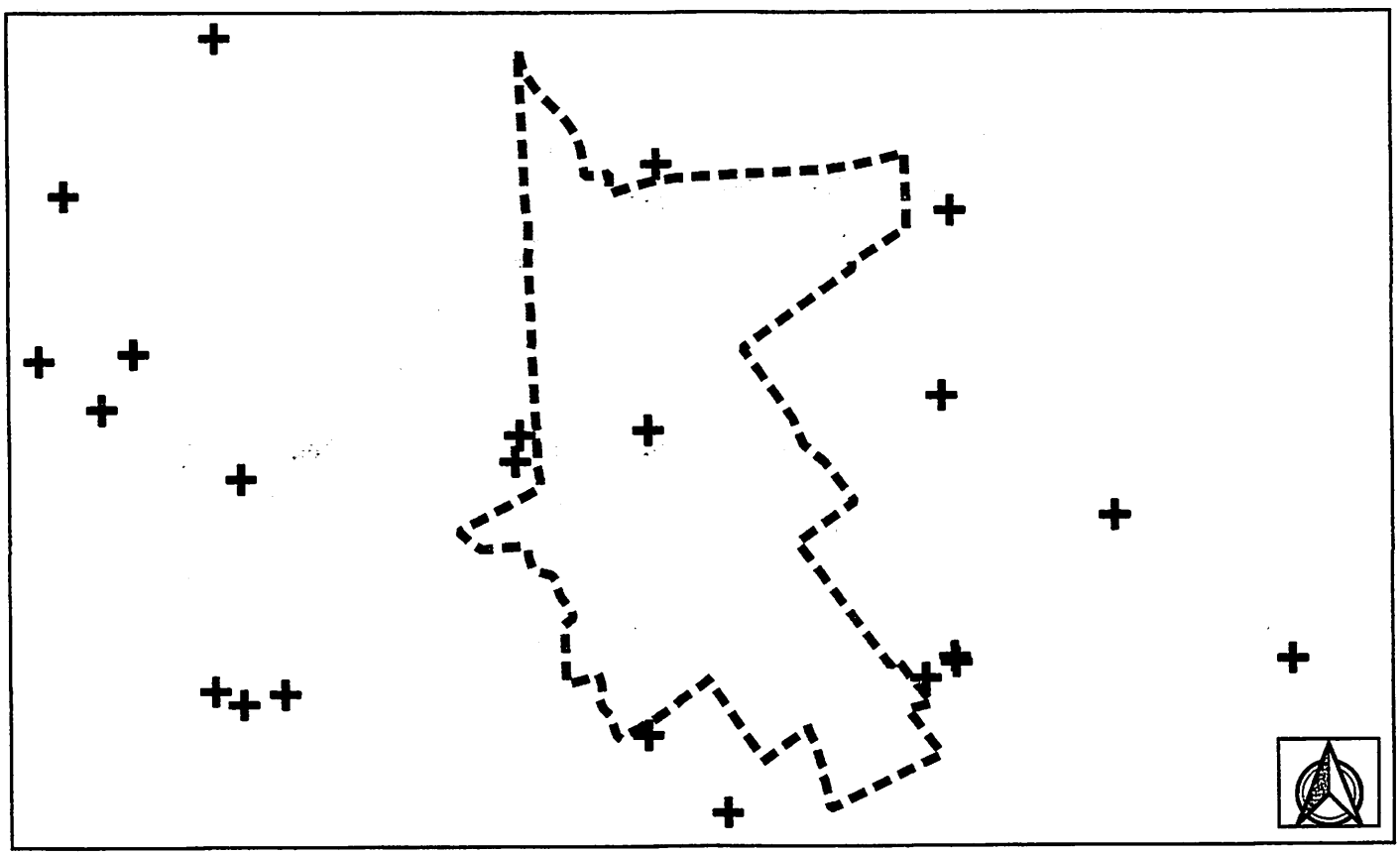
By my signature, I confirm that the boundary of the subject tracts of contiguous ownership of land, the calculated acreage for the boundary, and the location of existing wells within in the boundary are accurrately represented on this form.

Phillip Green
Signature of the Applicant

6-11-24
Date

Phillip Green
Printed Name

Printed Date: June 6, 2023



Disclaimer: The records, files, and documents maintained by the Texana Groundwater Conservation District (District) contain data and information from many sources. The District cannot guarantee the accuracy or validity of such data and information. The District specifically disclaims any warranty or guarantee relating to the accuracy or validity of any such data and information. All users of such data and information should conduct such investigation and review as necessary to independently determine the accuracy or validity of such data and information.

Confirmation of the Contiguous Tracts of Groundwater Ownership

The Texana Groundwater Conservation District requires certain information to be supplied with production permit applications including information regarding the boundary and size of the related tracts of land ownership and groundwater ownership. This form may be used to confirm details regarding the spatial aspects of a permitting request by the applicant.

The map below illustrates the boundary of the subject tracts of contiguous ownership of groundwater resources (dashed line symbol) associated with permitting request AVWS-20230606-02 as understood by the district. In addition, the map illustrates the location of any water wells registered with the district within the boundary (cross symbol).

The calculated area of the subject tracts of contiguous ownership of groundwater resources is 747.85 acres.

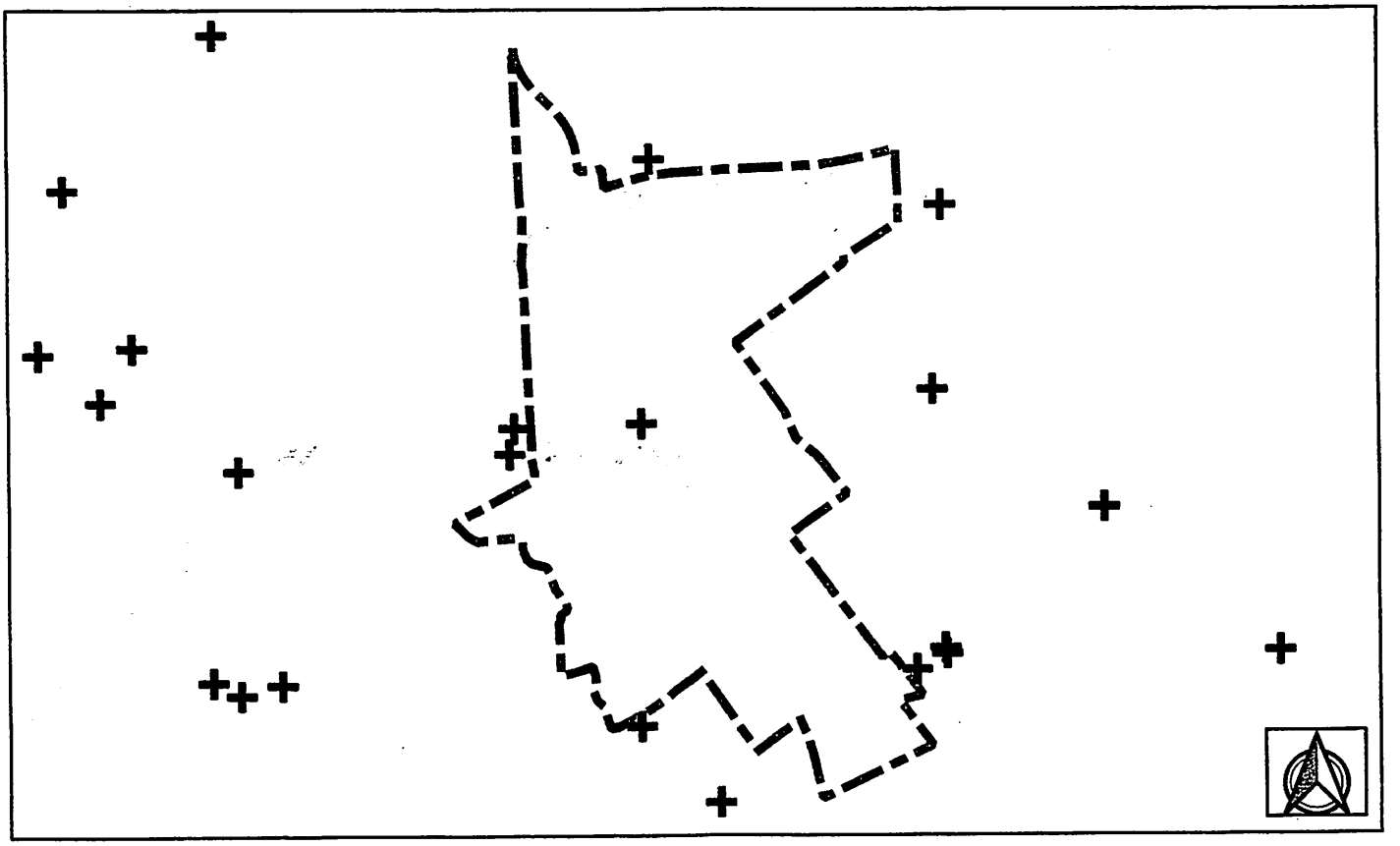
By my signature, I confirm that the boundary of the subject tracts of contiguous ownership of groundwater resources, the calculated acreage for the boundary, and the location of existing wells within in the boundary are accurrately represented on this form.

Phillip Green
Signature of the Applicant

6-11-24
Date

Phillip Green
Printed Name

Printed Date: June 6, 2023



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Year 2004 Total = 73,400,000

Well #1 Fairlane Dr & S. 2nd St 1000 g/m
Daily = 112,139 gals
Monthly = 3364,170 gals
Yearly = 40,370,040 gals

Well #2 Menefee St & S. 2nd St 810 g/m
Daily = 91750 gals
Monthly = 2,752,500 gal
Yearly = 33,030,000 gals

TEXAS WATER DEVELOPMENT BOARD
WATER USE SURVEY

WATER USE IN CALENDAR YEAR: 2004

SYSTEM NAME:	CITY OF GANADO			**SURVEY NUMBER:**	0317000
OPERATOR NAME:				**PRIMARY USED COUNTY:**	JACKSON
MULTIPLE SURVEY ORG:				**PRIMARY USED RIVER BASIN:**	LAVACA
MAILING ADDRESS 1:	PO BOX 264			**ORGANIZATION MAIN PHONE:**	- -
MAILING ADDRESS 2:				**MAIN EMAIL:**	
CITY/STATE/ZIP:	GANADO	TX	77962-	**WEB:**	
PWS NAME:	CITY OF GANADO			**PWS CODE:**	1200002

INTAKE:

Water Type	County	Basin	Aquifer	Well Name (if applicable)	Metered or Estimated	Brackish / Saline (Y or N)	% Treated Prior to Intake	Total Volume (gallons)
GROUND WATER SELF SUPPLIED	JACKSON	LAVACA	GULF COAST AQUIFER		M	N	0.00	73,400,000

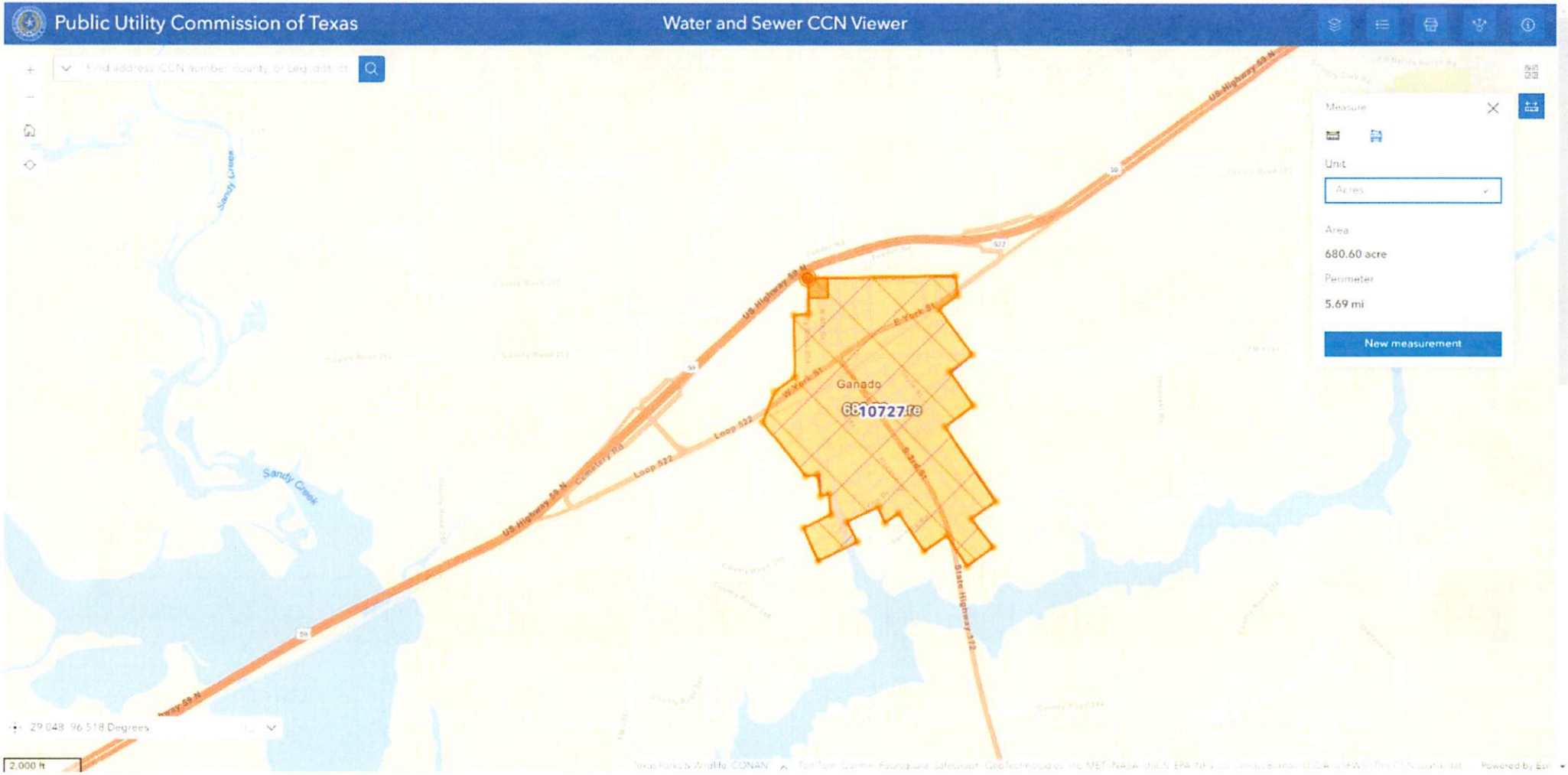
JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
0	0	0	0	0	0	0	0	0	0	0	73,400,000

CONNECTIONS & USAGE:

	CONNECTIONS	VOLUME (GALLONS)
TOTAL METERED RETAIL:	792	0
Residential - Single Family	764	69,439,000
Residential - Multi Family	3	840,000
Institutional	0	0
Commercial	25	1,020,000
Industrial	0	0
Agriculture	0	0
Reuse	0	0
TOTAL UNMETERED:	0	0

WATER SYSTEM INFORMATION:

Estimated full-time residential population served directly by this system	1,915


Public Utility Commission of Texas
Water and Sewer CCN Viewer
Measure
Unit
Acres
Area
680.60 acre
Perimeter
5.69 mi
New measurement
Ganado
6810727re
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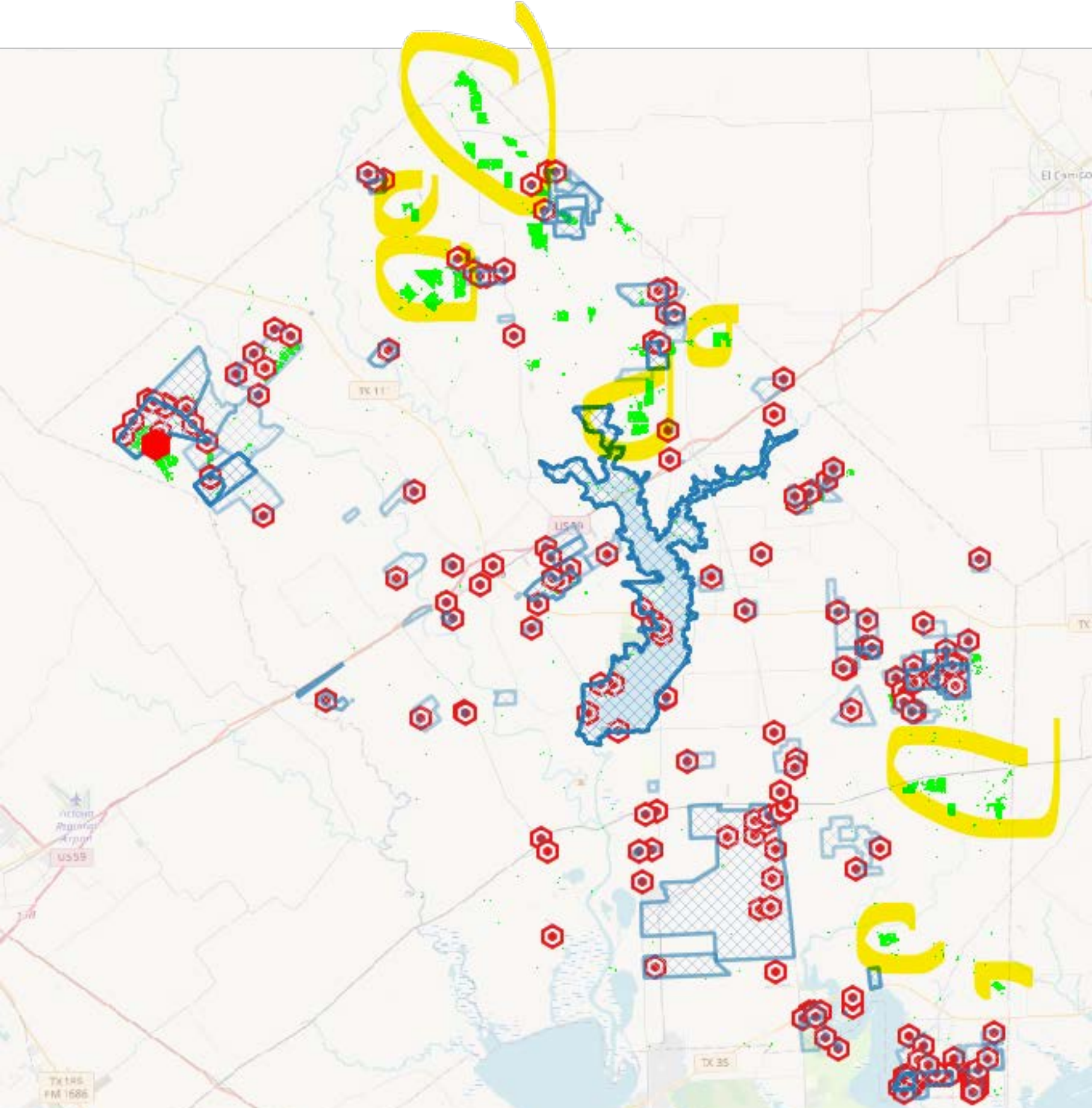
Loop 522
Cemetery Rd
E York St
W York St
E Ander St
State Highway 172
Sandy Creek
29.048 -96.518 Degrees
2,000 ft


US59
TX 35

INTERA Incorporated
9600 Great Hills Trail, Suite 300W
Austin, TX 78759
+1 (512) 425 2000
INTERA.com

December 18, 2024

Mr. Tim Andruss
Victoria County Groundwater Conservation District
2805 N. Navarro Street, Suite 210
Victoria, TX 77901

RE: Application of Geostatistical Techniques to Interpret Measured 2023 Water Levels

Dear Mr. Andruss,

Attachment A provides INTERA's analysis of the 2023 water levels to support an assessment of compliance with GMA 15 DFCs.

As part of the transmission of this letter, INTERA has included separate presentations for Calhoun County GCD, Refugio GCD, Texana GCD and Victoria County GCD that summarize the results of the analysis of the 2023 water levels for their respective counties.

Please contact Steve Young or me if the District has any questions or comments on the final deliverables.

Sincerely,

Andrew Osborne
Hydrogeologist
INTERA, Incorporated
aosborne@intera.com

Cc: Steven C Young, PhD, PE, PG

Attachment A
Application of Geostatistical Techniques to Interpret Measured 2023 Water Levels

Background

In 2021, INTERA completed a study (Young and others, 2021) that accomplished the four tasks below for Calhoun County Groundwater Conservation District (GCD), Refugio GCD, Texana GCD, and Victoria County GCD:

1. Assembled measured groundwater elevations from GCD and Texas Water Development Board (TWDB) databases over the interval from 2000 to 2020 and integrated them into a single data set;
2. Employed geostatistical methods for interpolating annual groundwater for the Chicot and Evangeline aquifers from 2000 to 2020;
3. Evaluated the annual changes in the measured groundwater elevations across the four counties and in selected wells;
4. Provided recommendations for future work.

The geostatistical method used to develop the baseline set of results was an application of ordinary kriging. Kriging is a geostatistical interpolation technique that considers both the distance and the degree of variation between known data points when estimating values in unknown areas. Ordinary Kriging provides the best linear unbiased prediction at unsampled locations and reproduces the measured values at all sampled locations exactly. To meet underlying assumptions that were used to develop ordinary Kriging, the measured water levels were detrended prior to the application of ordinary Kriging. The measured water levels were detrended using water levels simulated by the central Gulf Coast Groundwater Availability Model (GAM) that were smoothed using an algorithm described by Young and others (2021). The method was given the acronym SSWL+KR, which stands for smoothed simulated water levels and Kriged residuals.

SSWL+KR was used to interpolate the water level residuals for the years 2000 through 2020 for both the Chicot Aquifer, the Evangeline Aquifer, and the Chicot and Evangeline Aquifer, which is created by combining the Chicot and Evangeline aquifers into single aquifer. The interpolation generated a continuous water level surface using square grid cells with a resolution of 500 ft. Using these surfaces, the average water levels were calculated by county and by year. In 2022 (Young, 2022) and in 2023 (Young, 2023) assembled the water levels measured across the Gulf Coast in 2021 and in 2022, respectively, and performed the SSLW+KR analysis for the four GCDs.

Analysis of Water Level Data

Two water level datasets were obtained from the TWDB Groundwater Database and the VCGCD. To reconcile any differences in the data from these sources, wells from previous analyses were compiled and used as a reference to identify corresponding wells in both the VCGCD and TWDB GWDB datasets. New wells were subsequently added to this dataset. Water level data for each

well from 2023 was then averaged to determine a representative water level for the year. One water level per well was used in the SSLW + KR process.

Table 1 lists the water levels. Figure 1 shows the location of the water levels that were used in the geostatistical analyses. Tables 2 through 5 provide the average value for the annual water levels for Calhoun County GCD, Refugio GCD, Texana GCD and Victoria County GCD from 2000 to 2023 for the Chicot Aquifer, the Evangeline Aquifer, and the combination of the Chicot and Evangeline aquifers. In addition, the tables also provide the difference in the annual water levels for each year and the year 2000. Hence, the values for water level change in the columns label 2023 represent the water level change from 2000 to 2023.

Figures 2 and 3 show water level contours for the Chicot Aquifer generated for the years 2000 and 2023, respectively. Figure 4 provides contours at 10-ft intervals that show the change in water levels from 2000 to 2023 for the Chicot Aquifer across Victoria, Jackson, Refugio, and Calhoun counties. Across these four GCDs, the contour intervals range between 10 ft (rebound) and -20 ft (decline).

Figures 5 and 6 show water level contours for the Evangeline Aquifer generated for the years 2000 and 2023, respectively. Figure 7 provides contours of the change in water levels from 2000 to 2023 for the Evangeline Aquifer. Across these four GCDs, the contour intervals range between 50 ft (rebound) and -20 ft (decline). In Figures 4 and 7, the areal extend of the Chicot and Evangeline Aquifers in all four counties is based on the representation of the Evangeline Aquifer in the current Groundwater Availability Model (GAM) for GMA 15 developed by Chowdhury and others (2004).

References

Chowdhury, A. H., S. Wade, R. E. Mace, and C. Ridgeway, 2004, Groundwater Availability Model of the Central Gulf Coast Aquifer System: Numerical Simulations through 1999 Model Report. Texas Water Development Board, 108 p.

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Young, S,C., 2022. Memorandum to Tim Andruss Titled: Application of Geostatistical Techniques to Interpret Measured 2021 Water Levels, dated June 29, 2022.
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Table 1 List of Wells and Water Levels Used to Generate the Water Levels Surfaces for the Chicot and the Evangeline aquifers for the 2023 Analysis Year

GCD Well ID	TWDB Well ID	Land Surface Elevation (ft)	Well Depth (ft)	Assigned Unit	County	Average Water Level (ft, msl)
Texana GCD - GW-00410	802904	52.5		Chicot	Jackson	19.1
	6541401	88.6	90	Chicot	Wharton	53.7
	6541402	82.0	338	Chicot	Wharton	32.0
	6541707	82.0	499	Chicot	Wharton	21.0
	6549901	55.8	375	Chicot	Matagorda	20.7
	6557802	49.2	315	Chicot	Matagorda	-15.6
	6612603	292.0	188	Evangeline	Colorado	200.6
	6614703	259.2	71	Chicot	Colorado	234.2
	6619804	347.8	140	Chicot	Colorado	277.1
	6620602	200.1	312	Evangeline	Colorado	145.1
	6621603	232.9	812	Evangeline	Colorado	164.1
	6622201	223.1	995	Evangeline	Colorado	181.9
	6626202	252.6	126	Evangeline	Colorado	198.6
	6631107	154.2	450	Chicot	Wharton	95.5
	6631504	137.8	178	Chicot	Wharton	94.3
	6632809	118.1	320	Chicot	Wharton	70.9
	6634201	193.6	48	Evangeline	Lavaca	169.1
	6634202	206.7	61	Evangeline	Lavaca	171.6
	6634207	226.4	120	Evangeline	Lavaca	175.0
	6635901	210.0	840	Evangeline	Lavaca	141.8
	6637607	160.8	318	Chicot	Colorado	122.8
	6637615	157.5		Chicot	Colorado	120.6
	6638202	150.9	65	Chicot	Wharton	117.5
	6638304	150.9	113	Chicot	Wharton	109.9
	6638801	124.7	116	Chicot	Wharton	95.8
	6639106	144.4		Chicot	Wharton	79.1
	6640401	111.5	442	Chicot	Wharton	55.0
	6640505	108.3		Chicot	Wharton	65.9

GCD Well ID	TWDB Well ID	Land Surface Elevation (ft)	Well Depth (ft)	Assigned Unit	County	Average Water Level (ft, msl)
	6641203	223.1	80	Evangeline	Lavaca	175.5
	6641703	219.8	164	Evangeline	Lavaca	152.0
	6641903	206.7	335	Evangeline	Lavaca	119.5
	6643704	137.8	34	Chicot	Lavaca	109.6
	6643803	150.9	1023	Evangeline	Lavaca	56.0
	6644702	137.8	676	Evangeline	Colorado	41.4
	6645601	141.1	429	Chicot	Wharton	87.4
	6645916	128.0	125	Chicot	Wharton	74.6
	6646402	131.2	366	Chicot	Wharton	76.5
	6646601	128.0	186	Chicot	Wharton	79.5
	6647101	121.4	319	Chicot	Wharton	70.6
	6647201	114.8	244	Chicot	Wharton	62.4
	6647703	108.3	242	Chicot	Wharton	73.0
	6648502	91.9	70	Chicot	Wharton	71.3
	6648701	95.1	90	Chicot	Wharton	60.6
	6648802	91.9	564	Chicot	Wharton	51.1
	6648907	88.6	630	Chicot	Wharton	20.4
	6649701	170.6	1082	Evangeline	Lavaca	117.0
	6649901	170.6	272	Evangeline	Lavaca	108.4
Texana GCD - GW-00294	6651505	124.7	627	Evangeline	Jackson	44.2
	6653406	98.4	348	Chicot	Wharton	33.8
	6653503	91.9	338	Chicot	Wharton	42.8
	6653804	85.3	495	Chicot	Wharton	43.3
	6654108	98.4	360	Chicot	Wharton	48.9
	6654906	88.6	461	Chicot	Wharton	9.9
	6655603	82.0	100	Chicot	Wharton	62.7
	6656302	85.3	490	Chicot	Wharton	9.9
	6656304	88.6	356	Chicot	Wharton	27.3
	6656403	78.7	275	Chicot	Wharton	20.7

GCD Well ID	TWDB Well ID	Land Surface Elevation (ft)	Well Depth (ft)	Assigned Unit	County	Average Water Level (ft, msl)
Victoria County GCD - GW-000339	6657406	180.4	270	Evangeline	Victoria	82.0
Victoria County GCD - GW-000021	6657801	124.7		Chicot	Victoria	80.3
	6658607	88.6	124	Chicot	Jackson	45.7
Texana GCD - GW-00278	6660613	62.3	850	Evangeline	Jackson	20.0
	6661302	82.0	528	Chicot	Wharton	26.1
Texana GCD - GW-00251	6661809	62.3		Chicot	Jackson	34.2
	6662104	85.3	371	Chicot	Wharton	33.9
	6662307	85.3	180	Chicot	Wharton	58.0
	6662309	82.0	421	Chicot	Wharton	45.5
	6662313	82.0	480	Chicot	Wharton	0.7
	6663105	78.7	342	Chicot	Wharton	60.5
	6663507	68.9	48	Chicot	Wharton	57.4
	6663509	62.3	688	Chicot	Wharton	-25.9
	6663610	68.9	857	Chicot	Wharton	-19.7
	6740504	351.0	155	Evangeline	Lavaca	278.3
	6760905	318.2		Evangeline	DeWitt	231.7
	6762404	262.5		Evangeline	DeWitt	210.3
	7905606	200.1	154	Evangeline	Goliad	178.2
	7905903	216.5	280	Evangeline	Goliad	164.2
	7905904	196.9	164	Evangeline	Goliad	169.5
	7905905	216.5	314	Evangeline	Goliad	163.7
	7905907	232.9	261	Evangeline	Goliad	164.6
	7905908	269.0	118	Evangeline	Goliad	188.2
	7905909	255.9	143	Evangeline	Goliad	182.8
	7906306	229.7	138	Evangeline	DeWitt	151.3
	7906706	219.8	152	Evangeline	Goliad	164.0
	7906707	200.1	260	Evangeline	DeWitt	150.1
	7906708	216.5	300	Evangeline	DeWitt	150.2

GCD Well ID	TWDB Well ID	Land Surface Elevation (ft)	Well Depth (ft)	Assigned Unit	County	Average Water Level (ft, msl)
	7906714	200.1	136	Evangeline	DeWitt	152.4
	7906715	239.5	150	Evangeline	Goliad	176.2
	7907402	226.4	217	Evangeline	DeWitt	118.9
Victoria County GCD - NW-000426	7907404	229.7	360	Evangeline	Victoria	96.8
Victoria County GCD - NW-000016	7907503	170.6	250	Evangeline	Victoria	102.3
Victoria County GCD - GW-000158	7907504	183.7		Evangeline	Victoria	106.4
Victoria County GCD - GW-000552	7907505	157.5	112	Evangeline	Victoria	94.0
Victoria County GCD - GW-000606	7908201	183.7	350	Evangeline	Victoria	90.8
Victoria County GCD - GW-000577	7908404	144.4	100	Evangeline	Victoria	93.4
Victoria County GCD - GW-000607	7908805	108.3	169	Evangeline	Victoria	58.3
Victoria County GCD - GW-000589	7908807	108.3	220	Evangeline	Victoria	65.2
	7912305	301.8	166	Evangeline	Goliad	212.4
	7912602	285.4	350	Evangeline	Goliad	184.7
	7912704	265.7		Evangeline	Goliad	202.8
	7913223	236.2	93	Evangeline	Goliad	180.7
	7913224	232.9	24	Evangeline	Goliad	214.7
	7913225	229.7	65	Evangeline	Goliad	178.1
	7913229	229.7	152	Evangeline	Goliad	169.0
	7913230	249.3	282	Evangeline	Goliad	169.8
	7913231	232.9	28	Evangeline	Goliad	215.9
	7913304	242.8	317	Evangeline	Goliad	167.9
	7913507	282.2	250	Evangeline	Goliad	168.9
	7913510	282.2	250	Evangeline	Goliad	154.6
	7913512	269.0	263	Evangeline	Goliad	165.1

GCD Well ID	TWDB Well ID	Land Surface Elevation (ft)	Well Depth (ft)	Assigned Unit	County	Average Water Level (ft, msl)
	7913513	292.0	230	Evangeline	Goliad	158.0
	7913803	255.9	188	Evangeline	Goliad	186.9
	7913804	242.8	291	Evangeline	Goliad	144.5
	7913805	288.7	197	Evangeline	Goliad	193.5
	7913806	236.2	222	Evangeline	Goliad	149.0
	7913807	269.0	222	Evangeline	Goliad	188.5
	7913808	255.9	331	Evangeline	Goliad	149.0
	7913809	252.6	183	Evangeline	Goliad	151.8
	7913810	265.7	186	Evangeline	Goliad	189.3
	7913811	229.7	143	Evangeline	Goliad	183.5
	7913813	272.3	210	Evangeline	Goliad	189.5
	7914203	170.6	380	Evangeline	Goliad	119.7
Victoria County GCD - GW-000494	7915305	177.2	190	Evangeline	Victoria	83.5
	7915401	177.2	145	Evangeline	Goliad	98.8
	7915702	141.1	174	Evangeline	Goliad	87.3
Victoria County GCD - GW-000608	7915903	121.4	112	Evangeline	Victoria	76.8
Victoria County GCD - GW-000047	7916102	124.7	227	Evangeline	Victoria	70.6
	7917801	498.7	150	Evangeline	Bee	434.0
	7920704	229.7		Evangeline	Goliad	164.9
	7920705	259.2		Evangeline	Goliad	170.3
	7921307	206.7	284	Evangeline	Goliad	129.1
	7922508	154.2	263	Evangeline	Goliad	93.6
Victoria County GCD - GW-000609	7923303	98.4	194	Evangeline	Victoria	60.8
Victoria County GCD - GW-000611	7924102	95.1	100	Chicot	Victoria	41.6
	7927202	305.1	150	Evangeline	Goliad	212.9
	7928302	213.3	235	Evangeline	Goliad	132.3

GCD Well ID	TWDB Well ID	Land Surface Elevation (ft)	Well Depth (ft)	Assigned Unit	County	Average Water Level (ft, msl)
	7928303	223.1	95	Evangeline	Goliad	132.3
	7928304	236.2	320	Evangeline	Goliad	125.7
	7930301	114.8	300	Evangeline	Goliad	70.4
	7931502	108.3	204	Evangeline	Goliad	67.8
	7931702	98.4	218	Evangeline	Goliad	74.7
Refugio GCD - GW-00124	7931901	85.3	946	Evangeline	Refugio	43.6
Refugio GCD - GW-00234	7932802	72.2	165	Chicot	Refugio	22.8
	7935305	223.1	150	Evangeline	Bee	165.5
	7937911	82.0	146	Evangeline	Goliad	45.4
	7937912	85.3	61	Chicot	Goliad	55.7
	7937918	88.6	96	Chicot	Goliad	45.8
	7937919	85.3	160	Evangeline	Goliad	45.4
	7938201	118.1	106	Evangeline	Goliad	81.5
	7938202	101.7	60	Chicot	Goliad	71.7
	7938301	88.6	62	Chicot	Goliad	64.9
	7938303	101.7	80	Chicot	Goliad	75.4
	7938704	78.7		Chicot	Goliad	43.4
	7938706	75.5	325	Evangeline	Goliad	47.4
	7939104	88.6	110	Chicot	Goliad	63.1
	7944103	150.9	150	Evangeline	Bee	96.6
Refugio GCD - GW-00079	7954803	32.8	331	Chicot	Refugio	9.7
	7964701	3.3	130	Chicot	Aransas	-0.2
Victoria County GCD - GW-000614	8001301	118.1	670	Evangeline	Victoria	57.5
Victoria County GCD - GW-000366	8002102	91.9	366	Chicot	Victoria	34.6
Texana GCD - GW-00411	8002608	59.1		Chicot	Jackson	26.5

GCD Well ID	TWDB Well ID	Land Surface Elevation (ft)	Well Depth (ft)	Assigned Unit	County	Average Water Level (ft, msl)
Victoria County GCD - GW-000377	8002804	62.3	92	Chicot	Victoria	31.7
	8003405	52.5	330	Chicot	Jackson	19.6
Texana GCD - GW-00320	8004101	65.6	383	Chicot	Jackson	36.7
Texana GCD - GW-00291	8004504	49.2	277	Chicot	Jackson	23.2
	8007102	55.8	1020	Evangeline	Matagorda	20.3
	8007203	52.5	453	Chicot	Matagorda	-44.6
	8007312	49.2	350	Chicot	Matagorda	-33.3
	8008106	49.2	64	Chicot	Matagorda	33.5
	8008505	45.9	100	Chicot	Matagorda	38.6
Victoria County GCD - GW-000150	8010502	55.8	140	Chicot	Victoria	26.6
Texana GCD - GW-00285	8011201	49.2	579	Chicot	Jackson	16.2
	8011502	39.4	300	Chicot	Jackson	11.4
	8014801	13.1	719	Chicot	Matagorda	-11.4
	8014903	9.8	320	Chicot	Matagorda	-56.8
	8015301	26.2	570	Chicot	Matagorda	-1.9
	8015405	29.5	270	Chicot	Matagorda	-38.2
	8015502	19.7	776	Chicot	Matagorda	-35.5
Victoria County GCD - GW-000321	8017502	65.6	1026	Evangeline	Victoria	32.5
Victoria County GCD - GW-000192	8018103	52.5	120	Chicot	Victoria	23.9
Victoria County GCD - GW-000489	8018402	55.8	336	Chicot	Victoria	21.0
Calhoun County GCD - GW-00014	8019503	26.2	265	Chicot	Calhoun	5.7
	8021616	9.8	204	Chicot	Jackson	-7.3
	8022410	9.8	185	Chicot	Jackson	-9.5
	8022412	6.6	208	Chicot	Jackson	-10.6
	8024201	6.6	490	Chicot	Matagorda	-3.2

GCD Well ID	TWDB Well ID	Land Surface Elevation (ft)	Well Depth (ft)	Assigned Unit	County	Average Water Level (ft, msl)
	8024406	3.3	360	Chicot	Matagorda	-33.6
	8024802	3.3	380	Chicot	Matagorda	-28.8
	8025402	62.3	190	Chicot	Victoria	27.1
Calhoun County GCD - GW-00009	8026501	36.1	267	Chicot	Calhoun	2.9
	8027302	16.4	175	Chicot	Calhoun	-5.5
	8033611	29.5	300	Chicot	Refugio	4.1
Refugio GCD - GW-00439	8033901	19.7		Chicot	Refugio	5.3
	8034709	23.0	320	Chicot	Refugio	-3.0
	8049702	6.6	63	Chicot	Aransas	2.4
	8101102	49.2	1032	Evangeline	Matagorda	-38.5
	8101205	32.8	480	Chicot	Matagorda	-37.5
	8102404	29.5	450	Chicot	Matagorda	-26.7
	8102605	23.0	525	Chicot	Matagorda	-14.9
	8102901	13.1	294	Chicot	Matagorda	-20.2
	8103406	26.2	530	Chicot	Matagorda	-13.3
	8111901	3.3	527	Chicot	Matagorda	-17.4
	8117405	3.3	472	Chicot	Matagorda	-21.8
Calhoun County GCD - GW-00001		16.4		Chicot	Calhoun	-5.5
Calhoun County GCD - GW-00003		32.8		Chicot	Calhoun	18.2
Calhoun County GCD - GW-00005		16.4		Chicot	Calhoun	-14.8
Calhoun County GCD - NW-00024		16.4		Chicot	Calhoun	-15.5
Refugio GCD - NW-00539		29.5		Chicot	Refugio	4.1
Refugio GCD - NW-00570		23.0		Chicot	Refugio	-3.0
Texana GCD - GW-00119	8021214	23.0		Chicot	Jackson	-19.5

GCD Well ID	TWDB Well ID	Land Surface Elevation (ft)	Well Depth (ft)	Assigned Unit	County	Average Water Level (ft, msl)
Texana GCD - GW-00123	8021213	19.7		Chicot	Jackson	-24.6
Texana GCD - GW-00284		39.4		Chicot	Jackson	11.4
Texana GCD - GW-00310		13.1		Chicot	Jackson	-29.0
Texana GCD - GW-00311		13.1		Chicot	Jackson	-25.7
Texana GCD - GW-00312		16.4		Chicot	Jackson	-21.8
Texana GCD - GW-00444		13.1		Chicot	Jackson	-33.3
Texana GCD - GW-00446		13.1		Chicot	Jackson	-44.9
Texana GCD - GW-00566		45.9		Chicot	Jackson	31.8
Texana GCD - NW-00195		52.5		Chicot	Jackson	19.6
Texana GCD - NW-00310		88.6		Chicot	Jackson	45.7
Texana GCD - NW-00487		9.8		Chicot	Jackson	-9.0
Texana GCD - NW-00489		6.6		Chicot	Jackson	-12.7
Texana GCD - NW-00490		6.6		Chicot	Jackson	-47.8
Texana GCD - NW-00491		9.8		Chicot	Jackson	-8.6
Texana GCD - NW-00492		9.8		Chicot	Jackson	-42.1
Victoria County GCD - GW-000735		118.1		Evangeline	Victoria	48.6
Victoria County GCD - GW-000778		91.9		Evangeline	Victoria	37.9
Victoria County GCD - NW-000097	7907707	190.3		Evangeline	Victoria	105.3
Victoria County GCD - NW-000779		62.3		Chicot	Victoria	15.5

Table 2 Average annual water level (ft, msl) and change in the average annual water level for Calhoun County for the Chicot Aquifer, the Evangeline Aquifer and the Chicot & Evangeline aquifers

Aquifer	Water Level/ Change	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Chicot	avg. WL (ft)	-7.0	-5.9	-4.9	-0.3	-1.8	1.9	-4.5	-1.0	0.8	-2.6	-2.6	-1.2	-7.6	-5.1	-6.8	-7.7	-7.8	-2.6	-4.2	-2.9	-2.6	-5.0	-1.8	-5.7
	change (ft)*	0.0	1.1	2.1	6.7	5.2	8.9	2.5	6.1	7.8	4.4	4.4	5.8	-0.6	2.0	0.2	-0.6	-0.8	4.4	2.8	4.1	4.5	2.0	5.2	1.3
Evangeline	avg. WL (ft)	17.7	11.3	8.1	25.2	13.7	13.3	21.8	28.0	15.1	16.5	18.1	14.6	18.7	10.3	1.2	3.6	3.6	11.6	-8.0	15.2	16.4	9.9	6.6	5.0
	change (ft)*	0.0	-6.4	-9.6	7.5	-4.0	-4.4	4.1	10.3	-2.6	-1.2	0.4	-3.1	1.0	-7.4	-16.5	-14.2	-14.1	-6.1	-25.8	-2.5	-1.3	-7.8	-11.1	-12.7
Chicot & Evangeline	avg. WL (ft)	-3.2	-3.7	-3.5	3.7	0.2	3.3	-0.2	3.7	3.1	0.2	0.4	1.0	-3.1	-2.8	-5.7	-6.1	-6.2	-0.4	-5.7	-0.1	0.5	-3.1	-1.3	-4.5
	change (ft)*	0.0	-0.5	-0.3	7.0	3.4	6.6	3.1	6.9	6.3	3.4	3.6	4.2	0.1	0.4	-2.5	-2.8	-3.0	2.8	-2.5	3.1	3.7	0.1	1.9	-1.3

* change is measured relative to the year 2000; avg WL is measured relative to mean sea level

Table 3 Average annual water level (ft, msl) and change in the average annual water level for Jackson County for the Chicot Aquifer, the Evangeline Aquifer and the Chicot & Evangeline aquifers

Aquifer	Water Level/ Change	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Chicot	avg. WL (ft)	21.3	19.3	23.4	26.5	26.5	29.3	23.0	29.9	30.7	26.4	27.1	28.1	20.2	23.6	20.3	22.1	20.6	25.9	25.7	26.2	28.0	25.4	29.5	23.6
	change (ft)*	0.0	-2.0	2.1	5.2	5.2	8.0	1.7	8.6	9.4	5.1	5.8	6.8	-1.1	2.2	-1.0	0.8	-0.7	4.6	4.4	4.9	6.7	4.1	8.2	2.3
Evangeline	avg. WL (ft)	17.0	19.2	21.8	21.0	22.0	22.0	21.5	32.6	27.5	20.9	17.1	19.6	6.2	20.4	1.7	12.0	21.0	17.4	-3.5	15.4	15.9	12.1	13.0	15.0
	change (ft)*	0.0	2.3	4.9	4.0	5.1	5.1	4.6	15.7	10.6	3.9	0.1	2.6	-10.7	3.4	-15.2	-4.9	4.1	0.4	-20.4	-1.5	-1.0	-4.9	-4.0	-2.0
Chicot & Evangeline	avg. WL (ft)	19.0	19.1	22.5	23.6	24.2	25.6	22.2	31.2	29.0	23.5	22.0	23.8	13.1	21.9	11.0	16.9	20.7	21.5	11.0	20.8	21.9	18.7	21.1	19.2
	change (ft)*	0.0	0.1	3.5	4.6	5.2	6.6	3.1	12.2	10.0	4.5	3.0	4.8	-5.9	2.8	-8.1	-2.1	1.7	2.5	-8.0	1.7	2.9	-0.3	2.1	0.2

* change is measured relative to the year 2000; avg WL is measured relative to mean sea level

Table 4 Average annual water level (ft, msl) and change in the average annual water level for Refugio County for the Chicot Aquifer, the Evangeline Aquifer and the Chicot & Evangeline aquifers

Aquifer	Water Level/ Change	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Chicot	avg. WL (ft)	24.8	23.6	28.3	27.2	24.5	28.3	24.6	27.4	29.0	24.3	22.7	23.5	23.0	19.4	4.5	14.5	19.6	19.2	19.0	20.0	18.4	14.9	19.6	17.3
	change (ft)*	0.0	-1.2	3.6	2.5	-0.2	3.5	-0.1	2.6	4.3	-0.5	-2.1	-1.2	-1.8	-5.4	-20.2	-10.3	-5.2	-5.6	-5.8	-4.8	-6.4	-9.9	-5.2	-7.5
Evangeline	avg. WL (ft)	32.5	31.7	34.2	39.8	37.9	40.7	38.3	35.4	31.2	31.7	21.7	31.6	33.1	27.0	23.9	22.3	24.6	30.4	20.5	28.2	30.9	24.6	28.3	24.1
	change (ft)*	0.0	-0.8	1.6	7.2	5.3	8.1	5.8	2.8	-1.3	-0.9	-10.8	-1.0	0.5	-5.5	-8.6	-10.3	-7.9	-2.2	-12.0	-4.3	-1.7	-7.9	-4.2	-8.4
Chicot & Evangeline	avg. WL (ft)	26.3	25.4	29.1	31.0	28.8	31.8	28.9	29.0	28.5	26.1	20.7	25.6	25.8	21.4	11.9	16.7	20.4	22.8	18.6	22.4	22.6	17.8	22.2	19.0
	change (ft)*	0.0	-0.9	2.8	4.7	2.5	5.6	2.6	2.7	2.2	-0.1	-5.5	-0.7	-0.5	-4.9	-14.4	-9.5	-5.8	-3.5	-7.7	-3.9	-3.7	-8.4	-4.1	-7.3

* change is measured relative to the year 2000; avg WL is measured relative to mean sea level

Table 5 Average annual water level (ft, msl) and change in the average annual water level for Victoria County for the Chicot Aquifer, the Evangeline Aquifer and the Chicot & Evangeline aquifers

Aquifer	Water Level/ Change	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Chicot	avg. WL (ft)	49.8	49.2	47.8	48.8	49.6	52.6	51.8	52.0	52.4	50.9	52.8	48.0	43.5	50.1	45.5	48.2	49.9	51.4	52.0	49.9	47.9	48.6	51	45.6
	change (ft)*	0.0	-0.6	-2.0	-1.0	-0.2	2.8	2.0	2.2	2.6	1.1	3.0	-1.7	-6.3	0.3	-4.3	-1.6	0.1	1.6	2.2	0.1	-1.9	-1.2	1.1	-4.2
Evangeline	avg. WL (ft)	29.8	32.0	40.6	48.8	51.0	48.9	47.6	53.4	53.0	47.7	44.8	41.3	32.4	45.3	40.9	41.4	45.6	46.1	30.6	38.0	39.1	42.7	43.3	44.6
	change (ft)*	0.0	2.2	10.8	19.0	21.2	19.1	17.7	23.5	23.1	17.8	15.0	11.5	2.5	15.4	11.0	11.5	15.7	16.3	0.7	8.2	9.3	12.9	13.5	14.8
Chicot & Evangeline	avg. WL (ft)	41.3	42.4	46.0	50.6	51.9	52.2	51.2	54.2	54.2	50.7	50.2	46.2	39.3	49.3	44.8	46.3	49.3	50.4	42.7	45.6	45.1	47.4	48.8	46.9
	change (ft)*	0.0	1.0	4.6	9.2	10.5	10.9	9.9	12.9	12.9	9.4	8.9	4.9	-2.0	7.9	3.4	5.0	7.9	9.0	1.4	4.2	3.8	6.1	7.5	5.6

* change is measured relative to the year 2000; avg WL is measured relative to mean sea level

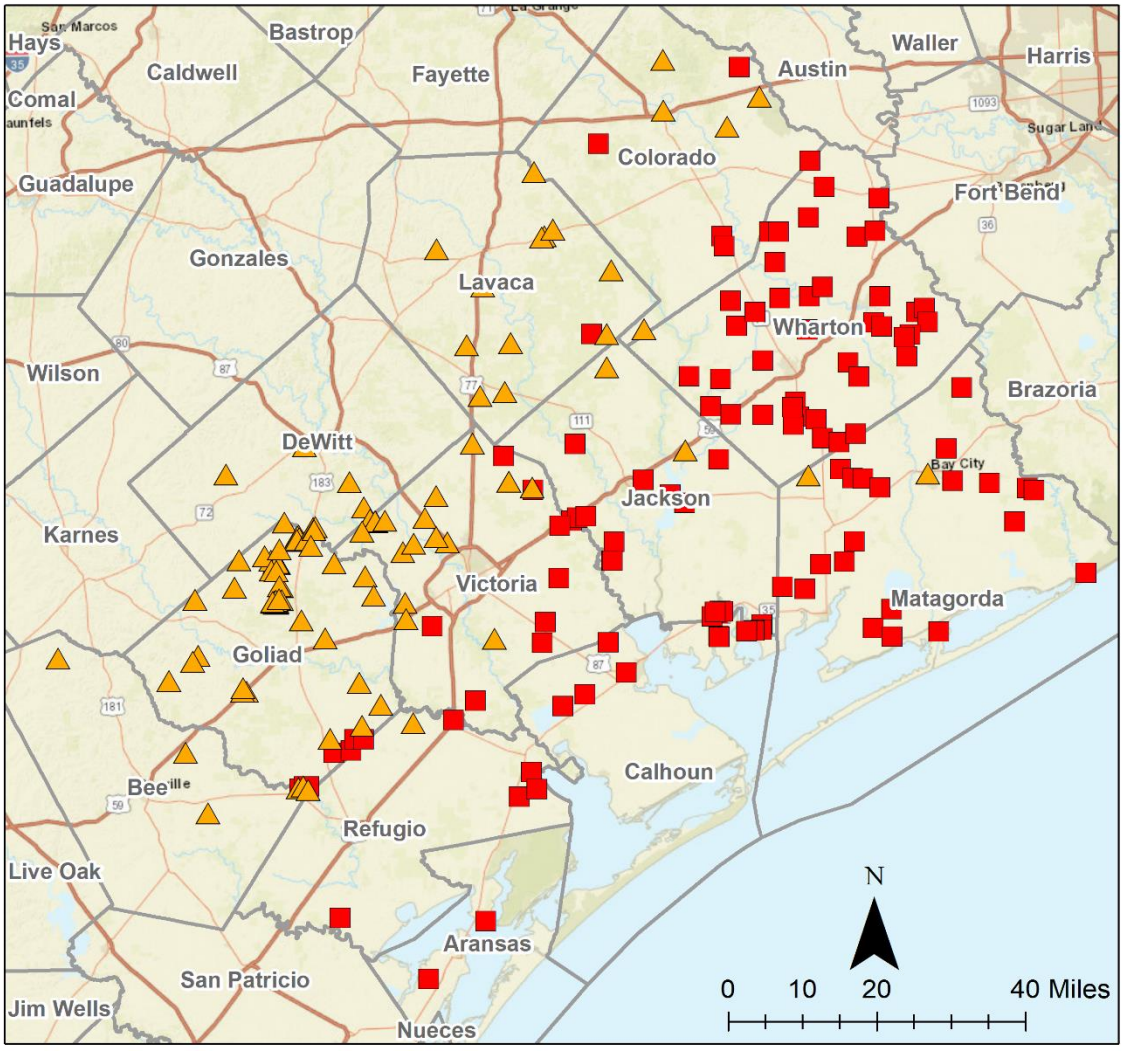


Figure 1 Location of Water Levels that were Interpolated to Generate the Water Levels Surfaces for the Chicot and the Evangeline aquifers

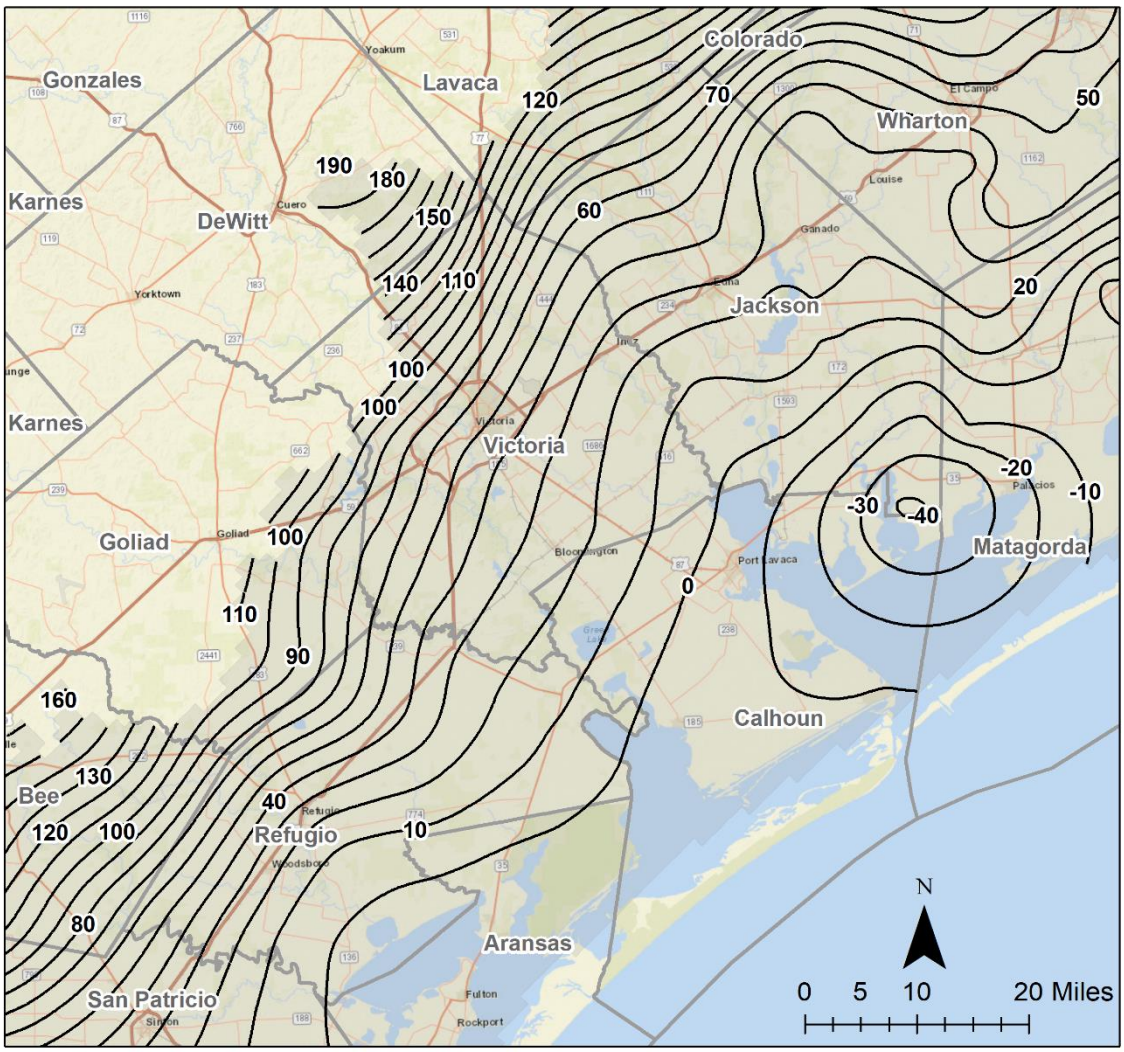


Figure 2 Contours of the Water Levels Generated for the Chicot Aquifer for the 2000 Analysis Year

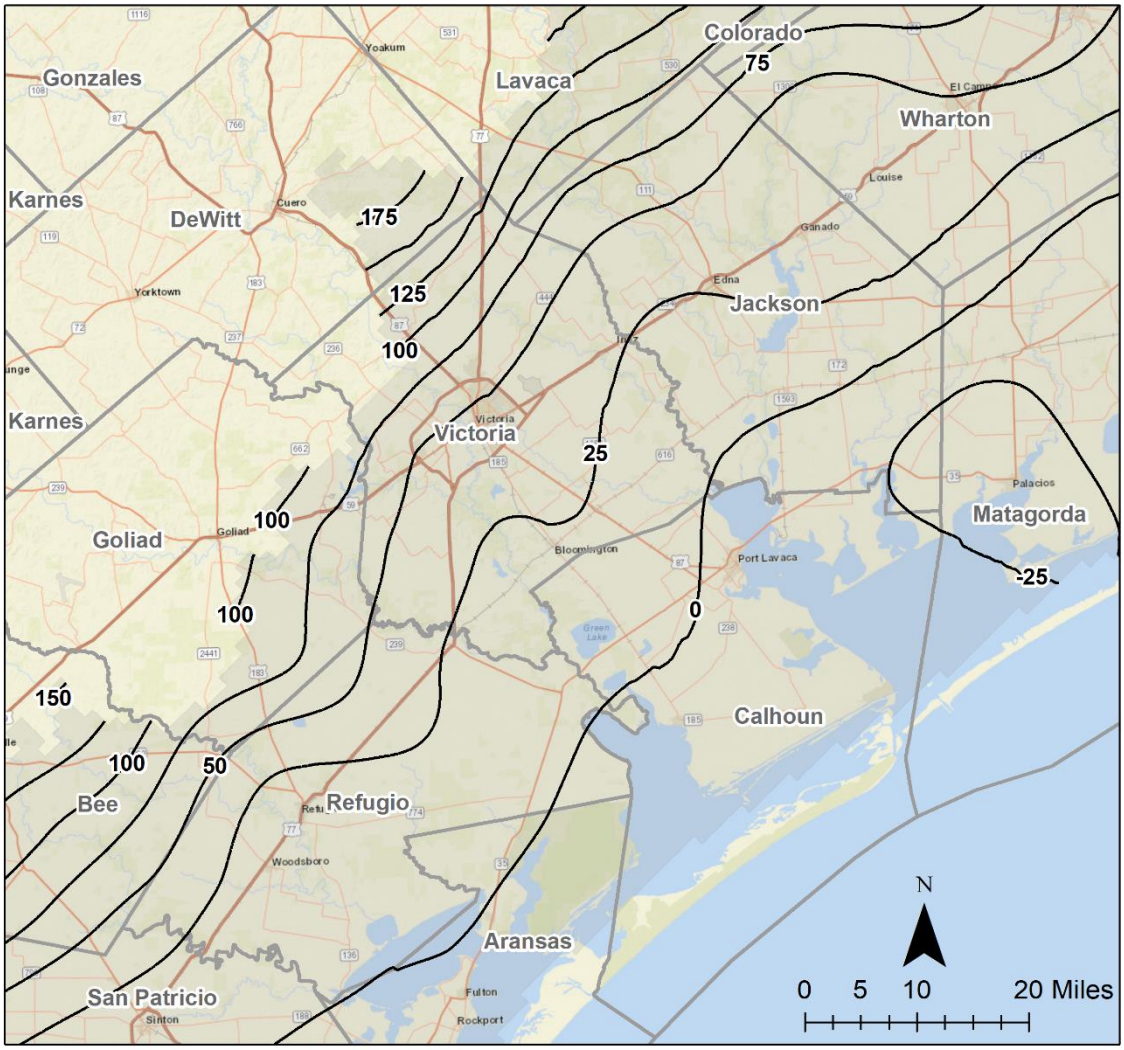


Figure 3 Contours of the Water Levels Generated for the Chicot Aquifer for the 2023 Analysis Year

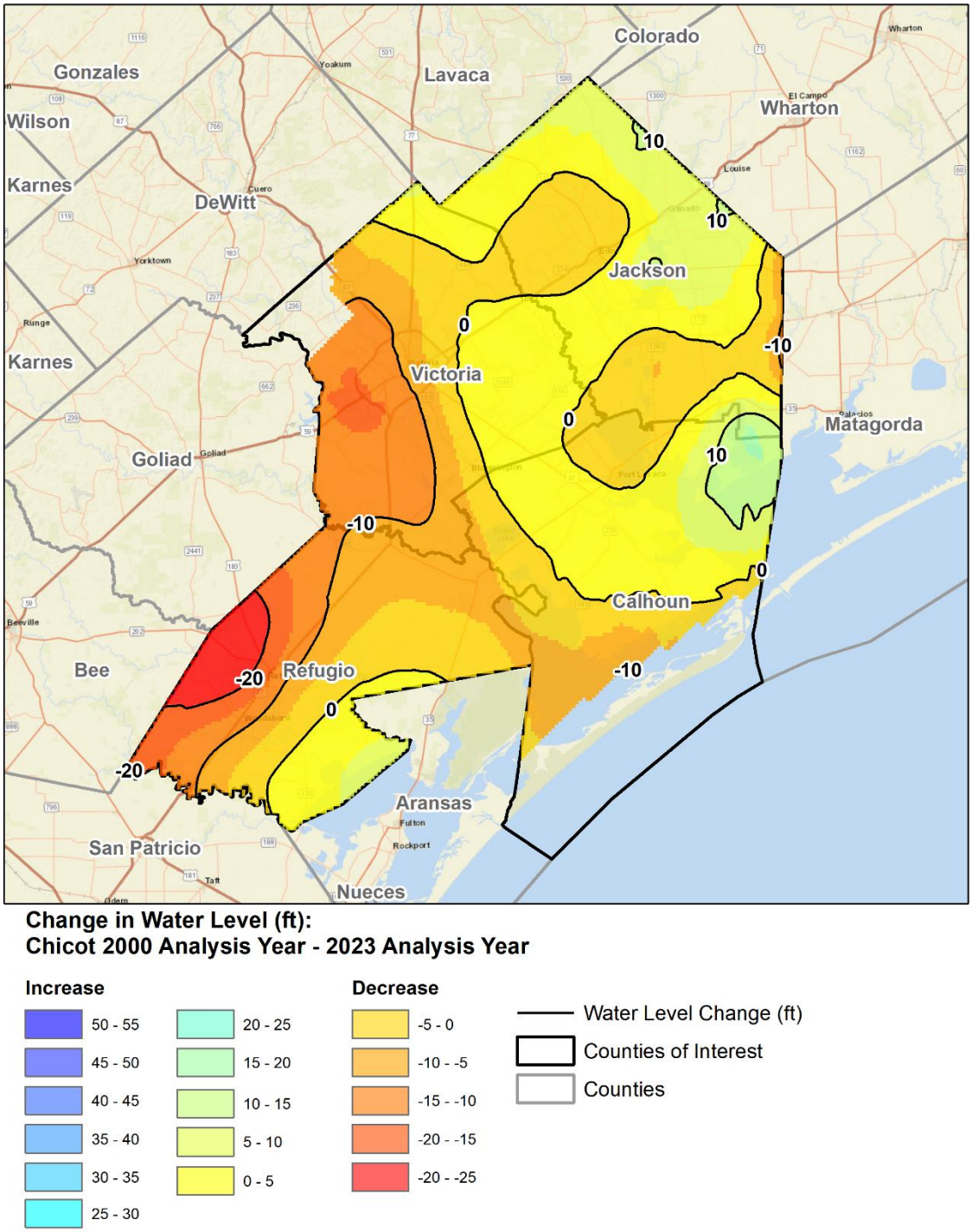
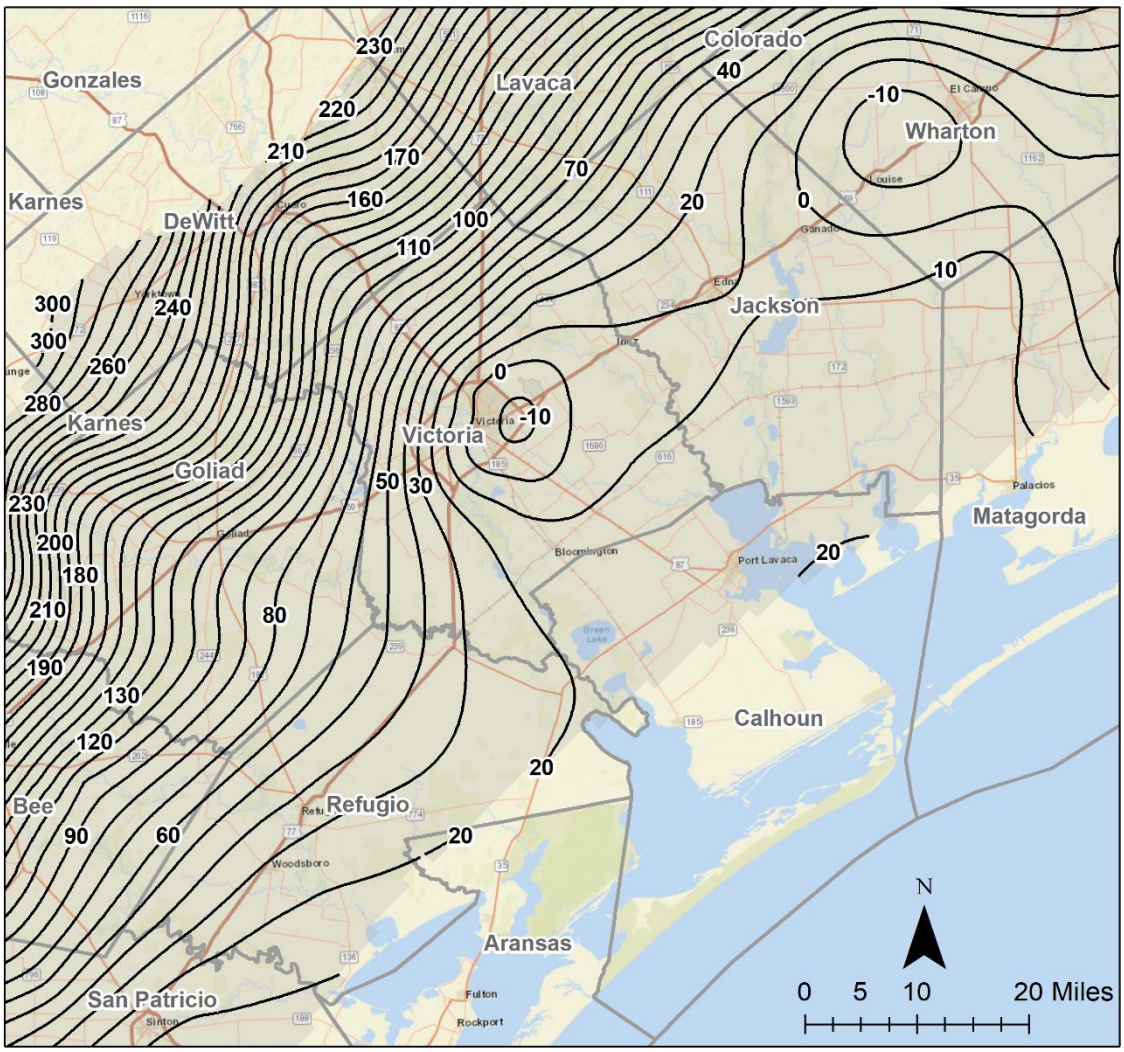


Figure 4 Contours of the change in water levels in the Chicot Aquifer from the 2000 Analysis Year to the 2023 Analysis Year



Water Level (ft):
Evangeline, 2000 Analysis Year

Water Level (famsl)

Counties of Interest

Counties

Figure 5 Contours of the Water Levels Generated for the Evangeline Aquifer for the 2000 Analysis Year

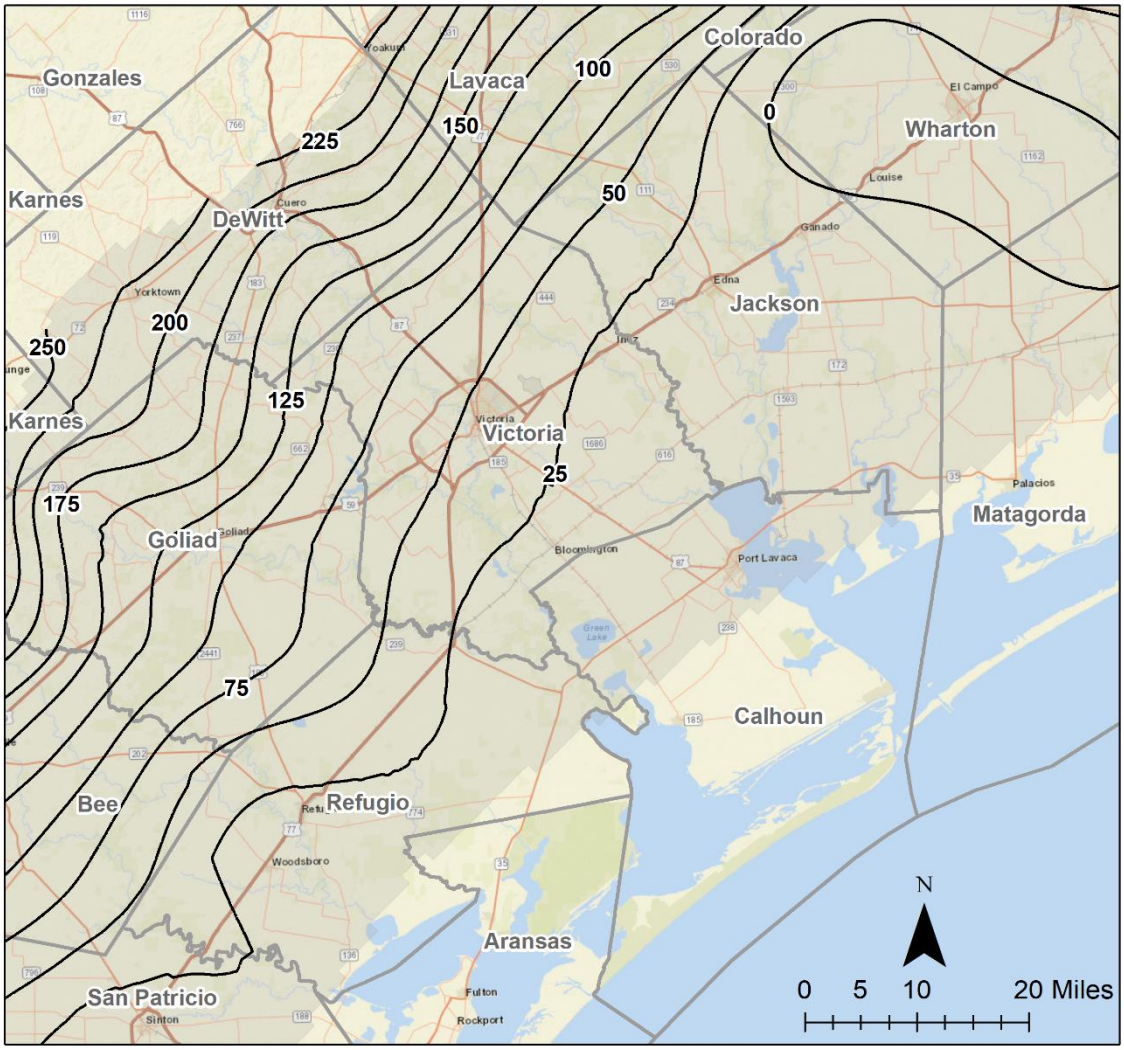


Figure 6 Contours of the Water Levels Generated for the Evangeline Aquifer for the 2023 Analysis Year

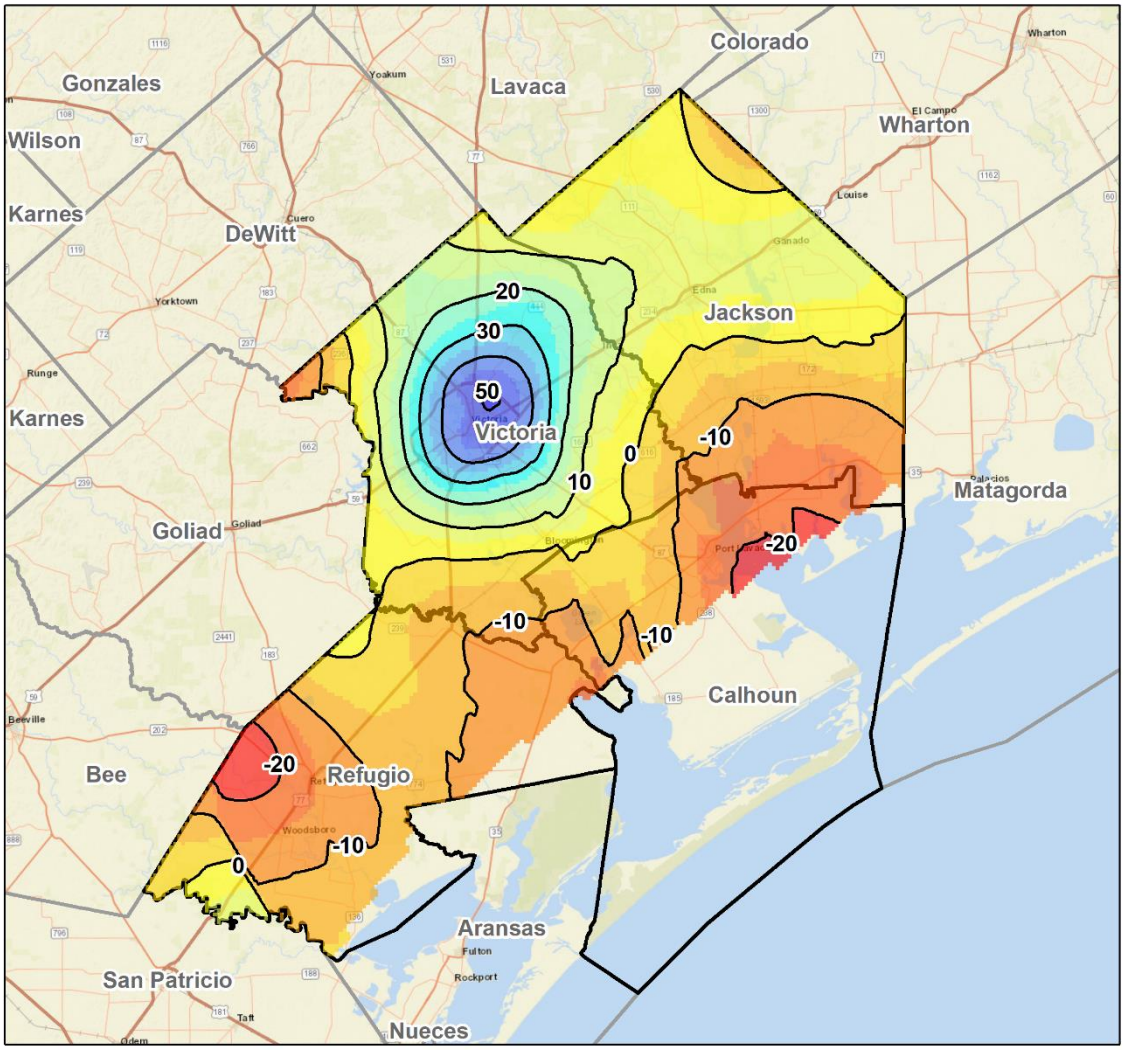


Figure 7 Contours of the change in water levels in the Evangeline Aquifer from the 2000 Analysis Year to the 2023 Analysis Year

Geostatistical Technique to Assess and to Evaluate Changes in Water Levels

Presented to

December 18th, 2024

INTERA

Project Work Flow

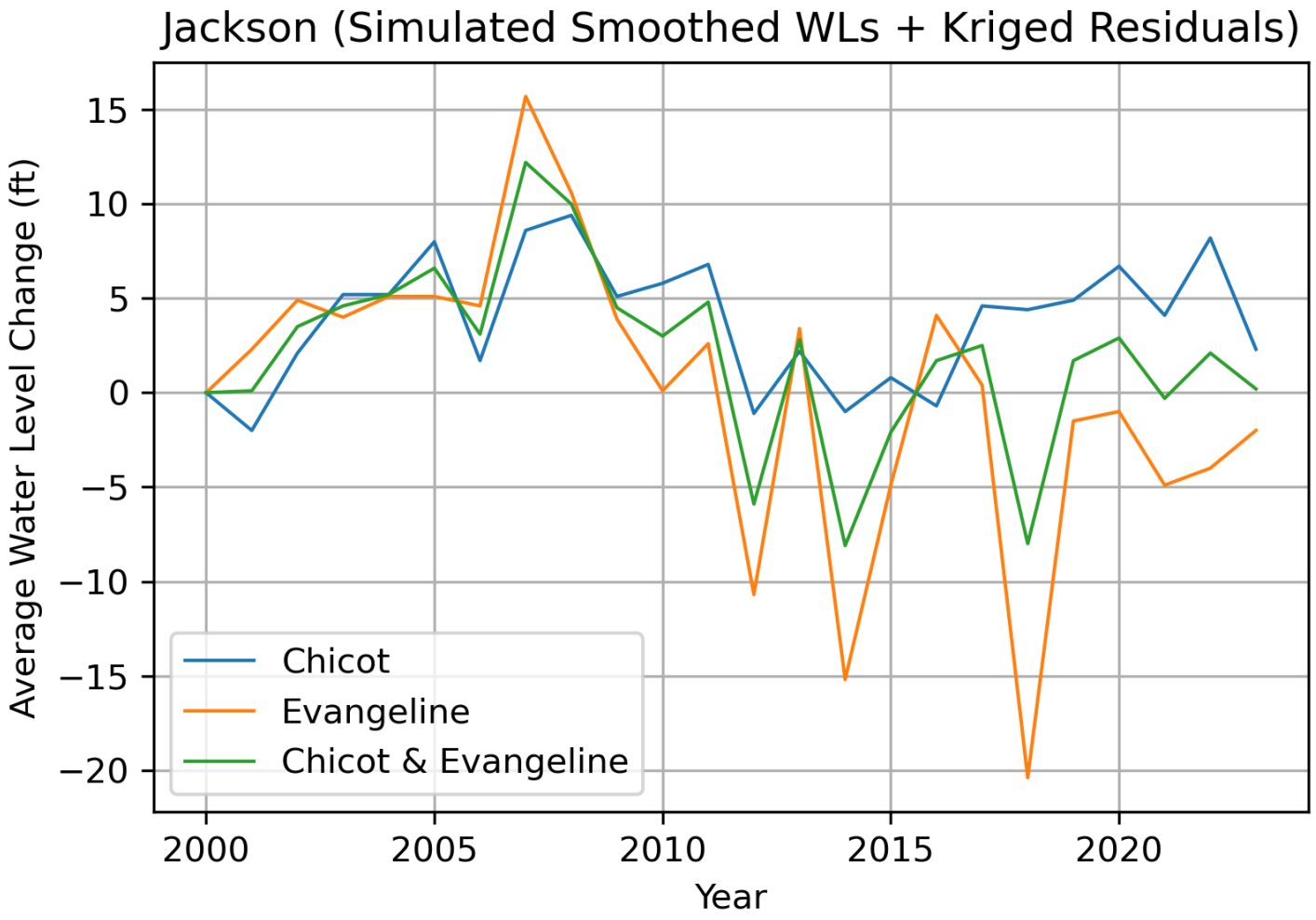
- Data Collection of Measured Water Levels
  - Assemble GCD and TWDB Water Levels for 2023
  - Integrate TWDB and GCD water levels into a single data set
  - Assign wells to the Chicot and Evangeline Aquifer

- Generate Water Level Contours for Chicot and Evangeline Aquifers
  - Estimate a trend in the Gulf Coast water levels using smoothed water levels from the Groundwater Availability Model
  - Calculate difference between measured and modeled water level (WL)

    WL Residual = Measured WL – Predicted WL
  - Perform geostatistical analysis using WLs and WLs residuals to generate WL contours

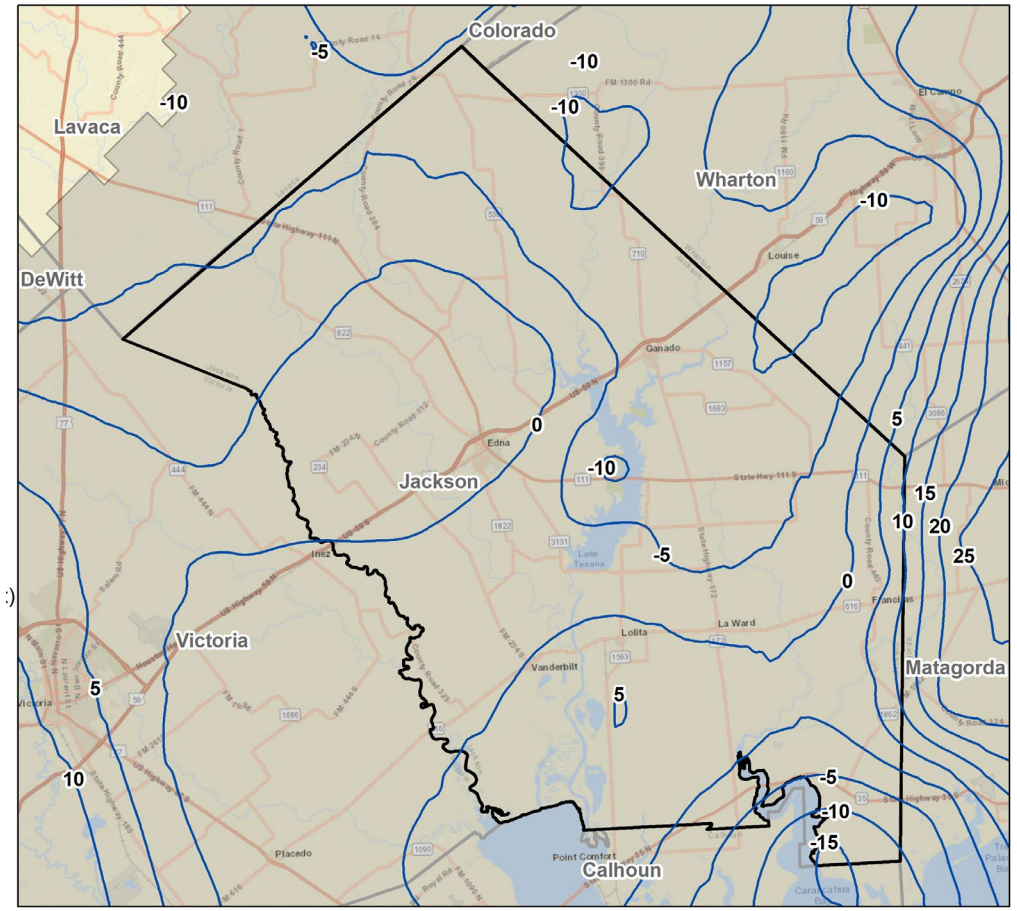
- Determine Water Level Change
  - Apply analysis methods explained and applied in “Application of Geostatistical Techniques to Quantify Changes in Water Levels (INTERA, 2021)”
  - Calculate average water by aquifer and by year (2000 to 2023)

Water Level Change Over Time

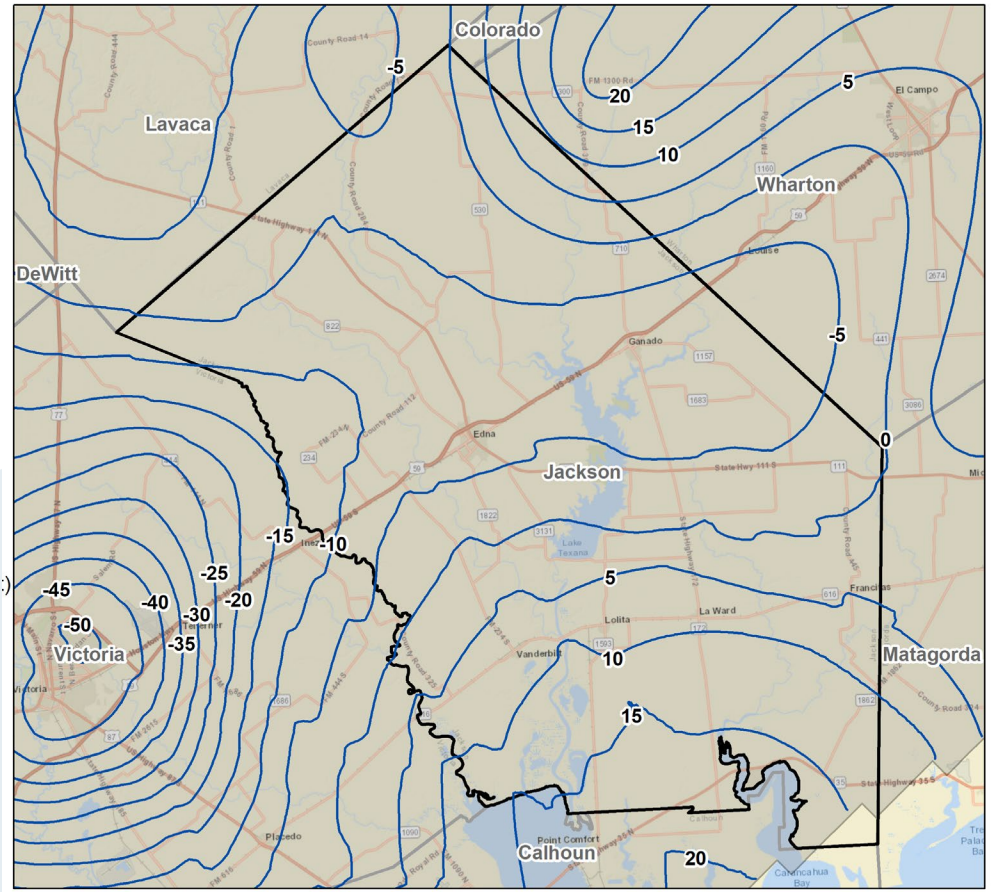


*Note: Negative numbers indicate drawdown from Year 2000

Average Drawdown (ft) in Water Levels from 2000 to 2023



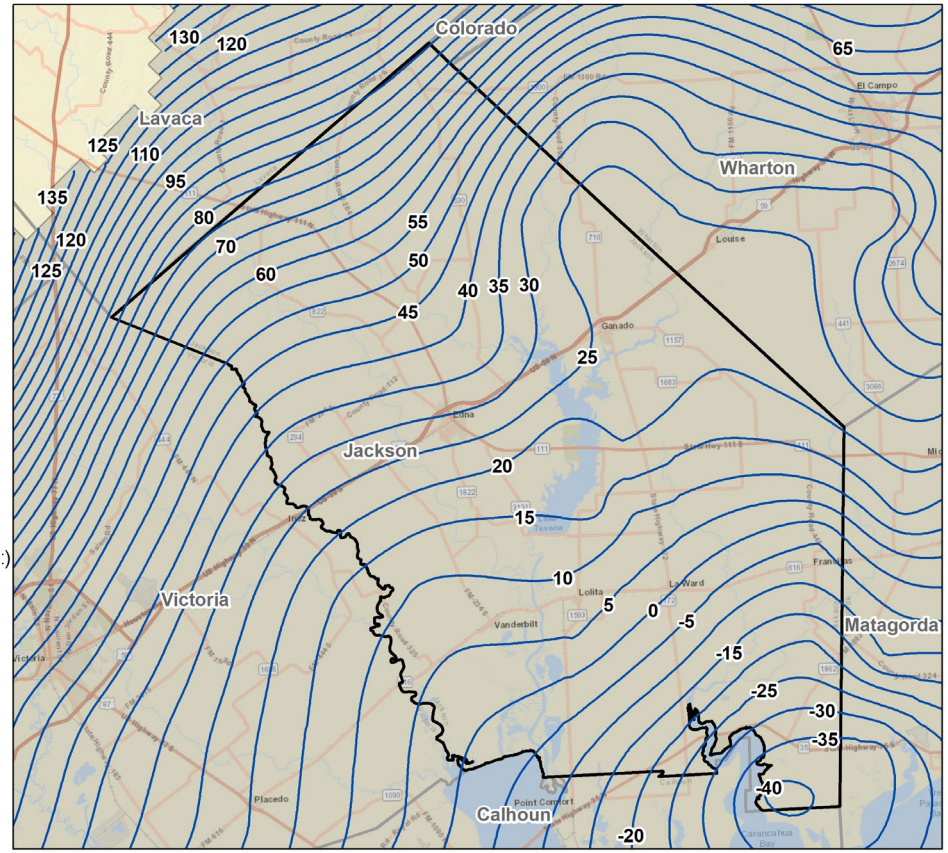
Chicot



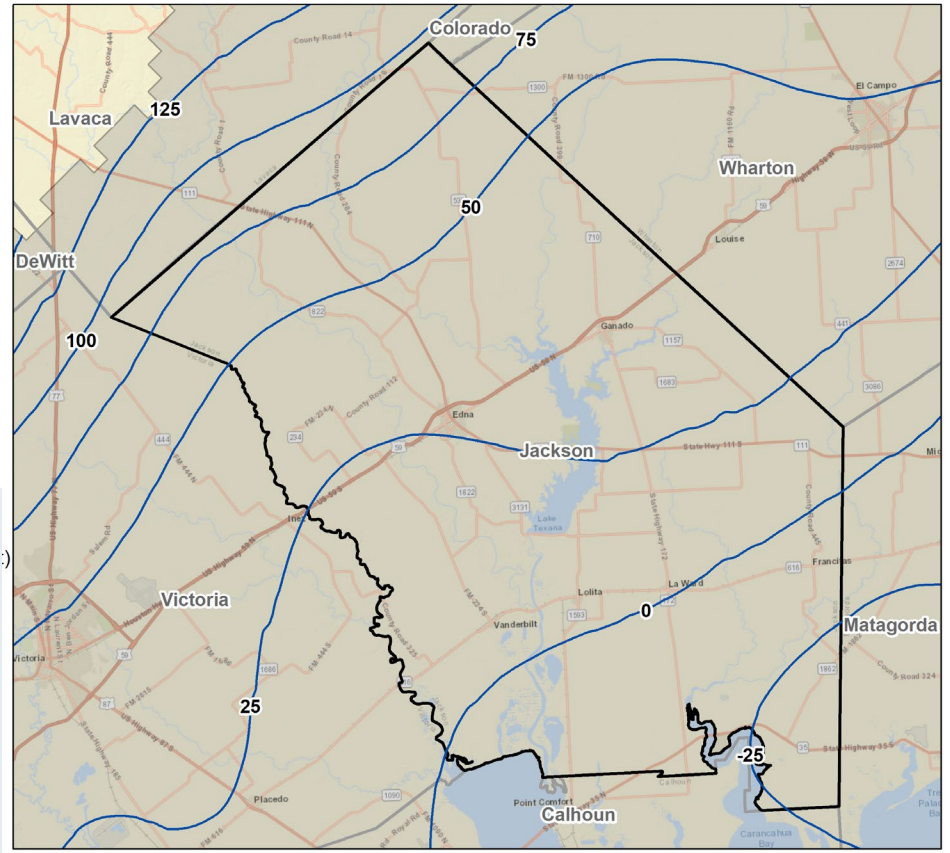
Evangeline

*Note: Negative numbers indicate waterlevel recovery

Contoured Water Levels for Chicot (famsl)

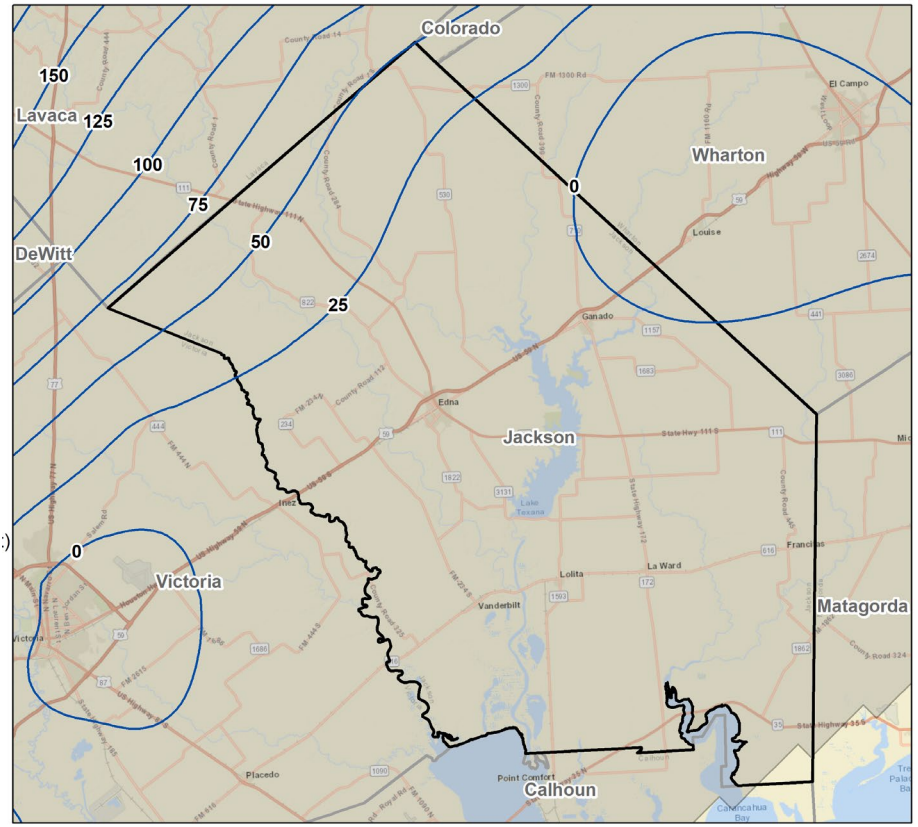


2000

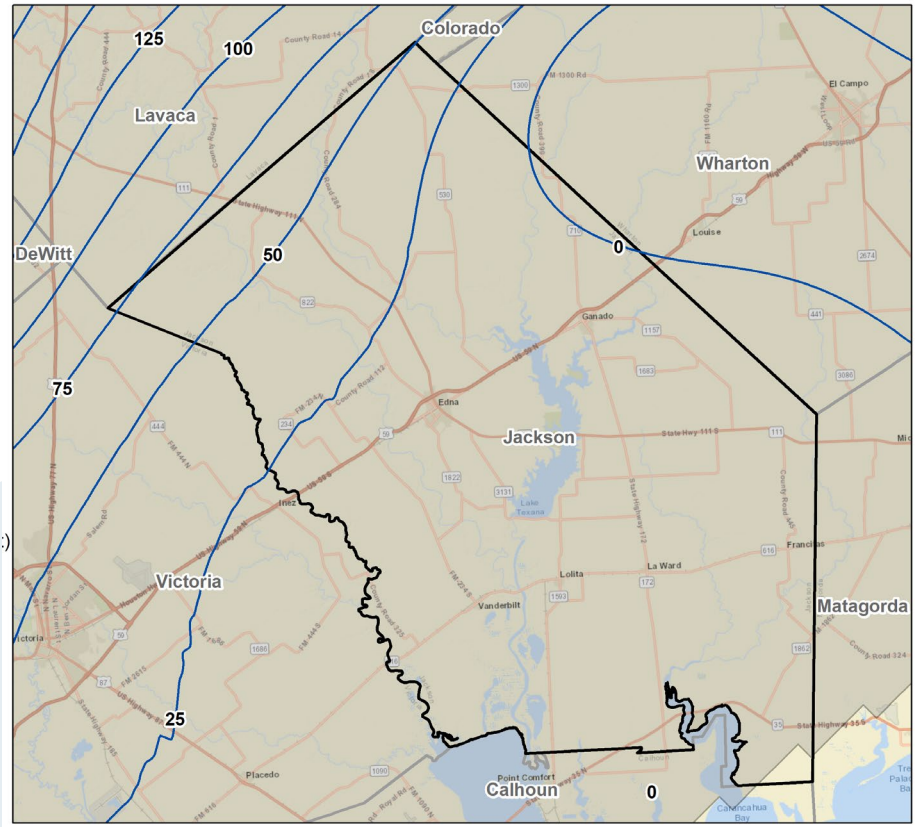


2023

Contoured Water Levels for Evangeline (famsl)



2000



2023

Table 3 Average annual water level (ft, msl) and change in the average annual water level for Jackson County for the Chicot Aquifer, the Evangeline Aquifer and the Chicot & Evangeline aquifers

Aquifer	Water Level/ Change	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Chicot	avg. WL (ft)	21.3	19.3	23.4	26.5	26.5	29.3	23.0	29.9	30.7	26.4	27.1	28.1	20.2	23.6	20.3	22.1	20.6	25.9	25.7	26.2	28.0	25.4	29.5	23.6
	change (ft)*	0.0	-2.0	2.1	5.2	5.2	8.0	1.7	8.6	9.4	5.1	5.8	6.8	-1.1	2.2	-1.0	0.8	-0.7	4.6	4.4	4.9	6.7	4.1	8.2	2.3
Evangeline	avg. WL (ft)	17.0	19.2	21.8	21.0	22.0	22.0	21.5	32.6	27.5	20.9	17.1	19.6	6.2	20.4	1.7	12.0	21.0	17.4	-3.5	15.4	15.9	12.1	13.0	15.0
	change (ft)*	0.0	2.3	4.9	4.0	5.1	5.1	4.6	15.7	10.6	3.9	0.1	2.6	-10.7	3.4	-15.2	-4.9	4.1	0.4	-20.4	-1.5	-1.0	-4.9	-4.0	-2.0
Chicot & Evangeline	avg. WL (ft)	19.0	19.1	22.5	23.6	24.2	25.6	22.2	31.2	29.0	23.5	22.0	23.8	13.1	21.9	11.0	16.9	20.7	21.5	11.0	20.8	21.9	18.7	21.1	19.2
	change (ft)*	0.0	0.1	3.5	4.6	5.2	6.6	3.1	12.2	10.0	4.5	3.0	4.8	-5.9	2.8	-8.1	-2.1	1.7	2.5	-8.0	1.7	2.9	-0.3	2.1	0.2

* change is measured relative to the year 2000; avg WL is measured relative to mean sea level

Work Plan and Cost Estimate for Four County Groundwater Quality Evaluation
Victoria, Calhoun, Refugio, and Jackson Counties, Texas

1. Introduction

This scope of work outlines a proposed methodology for evaluating past and current groundwater quality conditions and the changes in groundwater quality (if any) in Victoria, Calhoun, Refugio, and Jackson Counties, Texas. The study would be completed for Victoria County Groundwater Conservation District (GCD), Calhoun County GCD, Refugio GCD, and Texana GCD (the Districts). The purpose of the evaluation is to better understand natural groundwater conditions and changes in water quality caused by groundwater pumping or other factors, such as seawater intrusion or brackish water migration.

The study will use total dissolved solids (TDS) measurements and a commonly applied surrogate, electrical conductance (EC), as the quantitative indicators of water quality. The study will focus on the two primary aquifers that occur in the Districts, the Evangeline and Chicot, both of which constitute portions of the Gulf Coast Aquifer as defined by the State of Texas. The Districts have requested that groundwater quality be evaluated at 5-year intervals over the period 2000 through 2020, and that changes in water quality over each 5-year interval be quantified and presented. In addition, we propose developing a "predevelopment" groundwater quality map based on the earliest available groundwater quality data prior to 2000. The extent to which complete and scientifically accurate assessments of groundwater quality and changes over time can be developed depends on the available groundwater quality data.

2. Technical Approach

Our proposed technical approach is divided into three primary tasks, described in the following subsections.

2.1 Data Compilation

Groundwater quality data from public sources will be compiled and organized in a geodatabase for use in a project geographic information system (GIS). The primary data sources are expected to be the Districts and the on-line database maintained by the Texas Water Development Board (TWDB), but other data sources may be identified. For water quality mapping purposes, we will collect available data adjacent to, but outside of, the Districts. These adjacent data points will assist with developing more accurate water quality contours at the District boundaries.

To make maximum use of the available data, we will use both TDS and EC measurements. TDS can be estimated based on EC, and we will develop or use existing correlations to estimate one from the other. Young and Beal (2022) report correlations to estimate TDS from EC based on water quality type. These correlations may be sufficient for use during this project, but will be confirmed and checked based on the collected data specific to the four counties of interest. If needed, alternative correlations focused on the four-county region will be developed. We anticipate that all maps and quantitative analysis will be conducted using measured TDS and measured EC converted to TDS.

2.2 Well Completion Analysis

It will also be important to understand the well construction for the wells where water quality samples were obtained. This information is important to identify the aquifer in which the well is completed, and to understand whether the water quality sample is representative of an average quality across the aquifer depth or is more specific to a portion of the aquifer (e.g., top, middle, or bottom). This information will be catalogued where available, and to the extent available, may already be captured in District or TWDB databases. Where State well numbers are known, well construction data are available electronically for wells approximately 20 years old and younger. It appears that significant effort has already been made to identify the relevant aquifer for water level monitor wells (e.g., Young and Beal, 2022), and the same information is likely applicable to water quality analysis.

Particular attention will be paid to wells of significantly different depths or screened intervals in close proximity to one another; well pairs of this nature will assist with understanding changes in water quality with depth.

2.3 Data Analysis and Presentation

The resulting data and information from Sections 2.1 and 2.2 will be reviewed and analyzed to identify historical trends and spatial and vertical variations in water quality. All analysis will be conducted (1) for each aquifer and (2) for each vertical zone within an aquifer, such as top, middle, and bottom. Observed data that can be used to identify vertical variation of water quality within an aquifer are typically non-existent or sparse.

For wells where multiple values of TDS or EC were collected through time, plots will be constructed of the collected data, and the plots will be reviewed to identify if trends in the data exist. If needed and there is a sufficient number of data points at well locations, standard statistical methods can be applied to determine statistically significant upward, downward, or no-change conditions. Wells and their identified trends will be plotted in GIS to determine if any areas or regions of identified trends are evident.

Spatial trends and changes in water quality will be evaluated by constructing maps of TDS concentrations for "predevelopment" conditions and for the years 2000, 2005, 2010, 2015, and 2020. The available data for each time period will be contoured to illustrate the estimated TDS concentration between the data points for each time interval. The TDS data points will be contoured by hand or using computer methods that honor the data point values, such as kriging. Water quality datasets often have a higher degree of natural variability than water level data; therefore, a contouring approach that works well for one dataset may not prove to be the most functional method for the other. Once TDS concentration contour maps are constructed, they will be used to develop maps of the change in TDS concentration over each 5-year interval.

3. Reporting and Recommendations

The results of the tasks outlined in Section 2 will be presented in a completion report that documents the data, methods, maps, calculations, and study results. The report will also provide a proposed methodology for evaluating water quality conditions, as well as changes in those conditions that the Districts may decide to implement. A draft report will be provided for District review and comment, and a final report will be provided that incorporates the comments on the draft report.

4. Estimated Cost

The estimated cost to complete the proposed scope of work is $73,592, as detailed in Attachment 1. DBS&A proposes to execute the scope of services described in this work plan on a time-and-materials basis. We have made the following assumptions in preparing our cost estimate:

- Water quality data collected by the Districts (particularly TDS and EC) are readily available in electronic form.
- No travel is required to obtain data; if requested, an in-person presentation will be made regarding study results.

Our cost estimate is based on our present knowledge of the assignment and is believed to be sufficient to cover the services described, but no guarantee is made or implied. Only actual costs incurred will be charged if costs are less than estimated, but estimated costs will not be exceeded and work will stop, and not continue, without your written approval.

Reference

Young, S.C. and L. Beal. 2022. *Final: Drilling techniques, field protocols, and proposed monitoring well locations to support the development of a reliable program for monitoring water levels*. Prepared for Calhoun County GCD, Refugio GCD, Texana GCD, and Victoria County GCD. Intera, Inc. November 2022.

Attachment 1

Cost Estimate

DBS&A
a Geo-Logic Company

DBS&A
a Geo-Logic Company

Four County Groundwater Quality Evaluation: Terms and Approvals

Client Name:	Victoria County GCD
Project Name:	Four County Groundwater Quality Evaluation
Project Number:	TBD
Terms:	Time and Materials

Date:	12/30/2024
Estimator:	Neil Blandford
Project Manager:	Neil Blandford
Reviewed by:	Kevin Hopson/Paul Kirby
Approved by:	Gundar Peterson

Four County Groundwater Quality Evaluation: Cost Summary

Task Description	Task Hours	Labor Costs	Other Direct Costs	Total
Data Collection and Analysis	277	$55,400	$0	$55,400
Reporting	88	$18,192	$0	$18,192
GRAND TOTAL	**365**	**$73,592**	**$0**	**$73,592**

DBS&A
a Geo-Logic Company

Four County Groundwater Quality Evaluation

Description	Duration (Days)	Start Date	Principal Professional II Blandford, Thomas <Notes> *$278.00*	Project Professional III Kirby, Paul <Notes> *$196.00*	Senior Professional I Calhoun, Kenneth <Notes> *$210.00*	Staff Professional III Lewis, Alan <Notes> *$156.00*	Senior Technical Editor Fay, Robyn <Notes> *$148.00*	Task Hours	Labor Costs	ODCs	Markup on ODCs	Total
Data Collection and Analysis												
Total			**50**	**55**	**72**	**100**	**0**	**277**	**$55,400**	**$0**	**$0**	**$55,400**
Reporting												
Total			**16**	**32**	**24**	**8**	**8**	**88**	**$18,192**	**$0**	**$0**	**$18,192**
GRAND TOTAL			**66**	**87**	**96**	**108**	**8**	**365**	**$73,592**	**$0**	**$0**	**$73,592**

Texana Groundwater Conservation District
P.O. Box 1098, Edna, Texas 77957
Phone: (361) 781-0624 | FAX: (361) 781-0453
admin@texanagcd.org

Vicinity Map near West Ranch

Printed Date: October 13, 2023

LEGEND

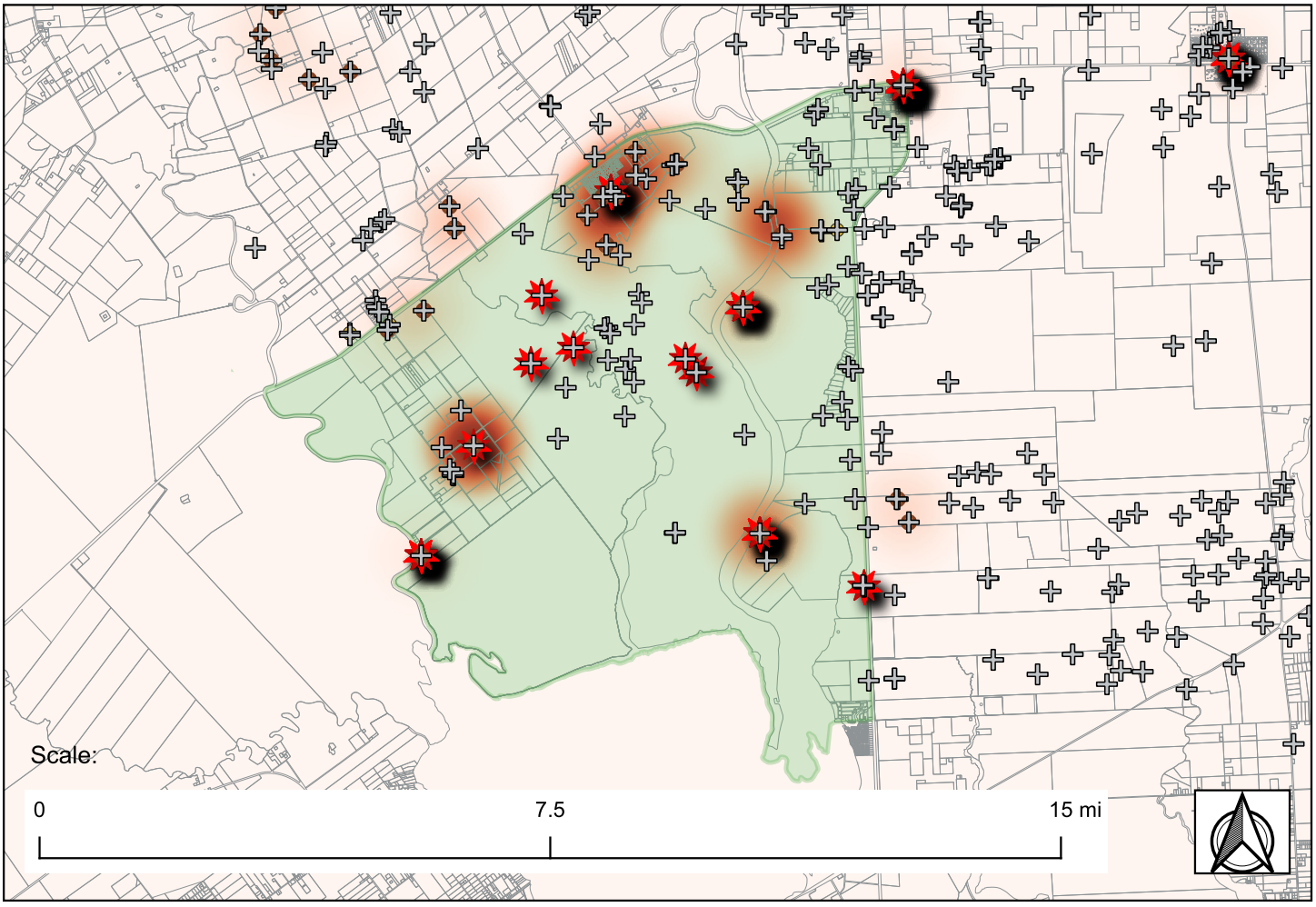
Registration Data

- Water Wells [1230]

Monitoring and Reporting Data

- Field Measurements - Conductivity
- Field Measurements - TDS [171]
- Lab Measurements [73]
- Groundwater Monitoring Projects [3]
- Tax Parcels

Note: Lab Measurement filtered to the following analytes: 'Benzene (mg/L)', 'Ethylbenzene (mg/L)', 'Hydrocarbons, Total Petroleum (C12 - C28) (mg/L)', 'Hydrocarbons, Total Petroleum (C28 - C35) (mg/L)', 'Hydrocarbons, Total Petroleum (C6 - C12) (mg/L)', 'Hydrocarbons, Total Petroleum (C6 - C35) (mg/L)', 'Mercury (mg/L), ''Toluene (mg/L)', 'Xylenes, Total (mg/L)'



ANALYTICAL REPORT

September 29, 2023

Texana GCD

Sample Delivery Group:	L1657048
Samples Received:	09/19/2023
Project Number:	
Description:	Level 4 Hydrocarbon Monitoring

Report To:

Candace Whittley
411 N. Wells
Suite 118
Edna, TX 77957

Entire Report Reviewed By:

Lori A Vahrenkamp
Project Manager

Pace Analytical Services, LLC -Dallas
400 W. Bethany Drive Suite 190 Allen, TX 75013 972-727-1123 800-767-5859 www.pacenational.com

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SAMPLE SUMMARY

2876546966989 L1657048-01 WW

Collected by: Brent Immenhauser
Collected date/time: 09/18/23 13:00
Received date/time: 09/19/23 09:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540C	WG2135200	1	09/19/23 14:55	09/19/23 15:42	QQT	Allen, TX
Wet Chemistry by Method 120.1	WG2135742	1	09/20/23 09:52	09/20/23 09:52	QQT	Allen, TX
Wet Chemistry by Method 2320B	WG2138930	1	09/25/23 13:29	09/25/23 13:29	JBS	Allen, TX
Wet Chemistry by Method SM 4500-H+B	WG2137438	1	09/22/23 08:58	09/22/23 08:58	SEN	Allen, TX
Mercury by Method 245.1	WG2136080	1	09/20/23 15:20	09/22/23 11:42	SKH	Allen, TX
Metals (ICP) by Method 200.7	WG2135199	1	09/19/23 15:06	09/20/23 15:07	TDM	Allen, TX
Metals (ICP) by Method 200.7	WG2135199	10	09/19/23 15:06	09/21/23 14:42	TDM	Allen, TX

CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Lori A Vahrenkamp
Project Manager

Gravimetric Analysis by Method 2540C

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Total Dissolved Solids	15300		55.5	1	09/19/2023 15:42	WG2135200

Wet Chemistry by Method 120.1

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	umhos/cm		umhos/cm		date / time	
Specific Conductance	23600		1.00	1	09/20/2023 09:52	WG2135742

Sample Narrative:

L1657048-01 WG2135742: at 25C

Wet Chemistry by Method 2320B

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Alkalinity	190		20.0	1	09/25/2023 13:29	WG2138930
Alkalinity,Bicarbonate	190		20.0	1	09/25/2023 13:29	WG2138930
Alkalinity,Carbonate	ND		20.0	1	09/25/2023 13:29	WG2138930
Alkalinity,Hydroxide	ND		20.0	1	09/25/2023 13:29	WG2138930
Phenolphthalein Alkalinity	ND		20.0	1	09/25/2023 13:29	WG2138930

Wet Chemistry by Method SM 4500-H+B

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	su			date / time	
pH	6.69	T8	1	09/22/2023 08:58	WG2137438

Sample Narrative:

L1657048-01 WG2137438: 6.69 at 21.6C

Mercury by Method 245.1

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Mercury	0.000418		0.000200	1	09/22/2023 11:42	WG2136080

Metals (ICP) by Method 200.7

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Arsenic	ND		0.200	10	09/21/2023 14:42	WG2135199
Barium	0.0583		0.0100	1	09/20/2023 15:07	WG2135199
Cadmium	ND		0.0500	10	09/21/2023 14:42	WG2135199
Calcium	1450	V	1.00	1	09/20/2023 15:07	WG2135199
Chromium	ND		0.0700	10	09/21/2023 14:42	WG2135199
Lead	ND		0.100	10	09/21/2023 14:42	WG2135199
Magnesium	681	V	1.00	1	09/20/2023 15:07	WG2135199
Potassium	18.2		1.00	1	09/20/2023 15:07	WG2135199
Selenium	ND		0.200	10	09/21/2023 14:42	WG2135199
Silver	ND		0.0500	10	09/21/2023 14:42	WG2135199
Sodium	3450	V	10.0	10	09/21/2023 14:42	WG2135199

Method Blank (MB)

(MB) R3975438-1 09/19/23 15:42

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Total Dissolved Solids	U		25.0	25.0

L1656047-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1656047-01 09/19/23 15:42 • (DUP) R3975438-3 09/19/23 15:42

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Dissolved Solids	6040	5860	1	3.03		10

L1657048-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1657048-01 09/19/23 15:42 • (DUP) R3975438-4 09/19/23 15:42

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Dissolved Solids	15300	15500	1	1.23		10

Laboratory Control Sample (LCS)

(LCS) R3975438-2 09/19/23 15:42

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Dissolved Solids	2470	2610	106	85.0-115	

Method Blank (MB)

(MB) R3975213-1 09/20/23 09:52

Analyte	MB Result umhos/cm	MB Qualifier	MB MDL umhos/cm	MB RDL umhos/cm
Specific Conductance	U		1.00	1.00

Sample Narrative:

BLANK: at 25C

L1657048-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1657048-01 09/20/23 09:52 • (DUP) R3975213-3 09/20/23 09:52

Analyte	Original Result umhos/cm	DUP Result umhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Specific Conductance	23600	23600	1	0.000		20

Sample Narrative:

OS: at 25C

DUP: at 25C

Laboratory Control Sample (LCS)

(LCS) R3975213-2 09/20/23 09:52

Analyte	Spike Amount umhos/cm	LCS Result umhos/cm	LCS Rec. %	Rec. Limits %	LCS Qualifier
Specific Conductance	200	199	99.5	80.0-120	

Sample Narrative:

LCS: at 25C

Method Blank (MB)

(MB) R3977594-1 09/25/23 13:29

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Alkalinity	U		20.0	20.0
Alkalinity,Bicarbonate	U		20.0	20.0
Alkalinity,Carbonate	U		20.0	20.0
Alkalinity,Hydroxide	U		20.0	20.0
Phenolphthalein Alkalinity	U		20.0	20.0

L1655032-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1655032-01 09/25/23 13:29 • (DUP) R3977594-3 09/25/23 13:29

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Alkalinity	240	240	1	0.000		20

L1657048-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1657048-01 09/25/23 13:29 • (DUP) R3977594-4 09/25/23 13:29

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Alkalinity	190	193	1	1.57		20

Laboratory Control Sample (LCS)

(LCS) R3977594-2 09/25/23 13:29

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Alkalinity	250	234	93.6	90.0-110	

L1657469-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1657469-01 09/22/23 08:58 • (DUP) R3976437-2 09/22/23 08:58

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	su	su		%		%
pH	8.13	8.16	1	0.368		20

Sample Narrative:

OS: 8.13 at 21C

DUP: 8.16 at 21.1C

Laboratory Control Sample (LCS)

(LCS) R3976437-1 09/22/23 08:58

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	su	su	%	%	
pH	6.00	5.97	99.5	99.0-101	

Sample Narrative:

LCS: 5.97 at 20.4C

QUALITY CONTROL SUMMARY

L1657048-01

Method Blank (MB)

(MB) R3976630-1 09/22/23 11:16

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Mercury	U		0.0000450	0.000200

Laboratory Control Sample (LCS)

(LCS) R3976630-2 09/22/23 11:18

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Mercury	0.00250	0.00223	89.2	85.0-115	

L1657030-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1657030-01 09/22/23 11:20 • (MS) R3976630-3 09/22/23 11:22 • (MSD) R3976630-4 09/22/23 11:24

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Mercury	0.00250	ND	0.00216	0.00220	86.4	88.0	1	70.0-130			1.83	20

L1657527-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1657527-01 09/22/23 11:26 • (MS) R3976630-5 09/22/23 11:29 • (MSD) R3976630-6 09/22/23 11:31

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Mercury	0.00250	ND	0.00214	0.00209	85.6	83.6	1	70.0-130			2.36	20

Method Blank (MB)

(MB) R3975538-1 09/20/23 14:58

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Arsenic	U		0.00418	0.0200
Barium	U		0.000490	0.0100
Cadmium	U		0.000350	0.00500
Calcium	U		0.0496	1.00
Chromium	U		0.000710	0.00700
Lead	U		0.00312	0.0100
Magnesium	U		0.0434	1.00
Potassium	U		0.0939	1.00
Selenium	U		0.00500	0.0200
Silver	U		0.000990	0.00500
Sodium	U		0.178	1.00

Laboratory Control Sample (LCS)

(LCS) R3975538-2 09/20/23 15:03

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	1.00	0.995	99.5	85.0-115	
Barium	1.00	1.01	101	85.0-115	
Cadmium	1.00	0.998	99.8	85.0-115	
Calcium	10.0	10.1	101	85.0-115	
Chromium	1.00	1.00	100	85.0-115	
Lead	1.00	1.04	104	85.0-115	
Magnesium	10.0	10.0	100	85.0-115	
Potassium	10.0	9.59	95.9	85.0-115	
Selenium	1.00	0.990	99.0	85.0-115	
Silver	0.500	0.492	98.4	85.0-115	
Sodium	10.0	9.88	98.8	85.0-115	

L1657048-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1657048-01 09/20/23 15:07 • (MS) R3975538-3 09/20/23 15:12 • (MSD) R3975538-4 09/20/23 15:16

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Barium	1.00	0.0583	1.10	1.10	105	104	1	70.0-130			0.819	20
Calcium	10.0	1450	1460	1430	140	0.000	1	70.0-130	V	V	2.28	20
Magnesium	10.0	681	684	669	37.0	0.000	1	70.0-130	V	V	2.29	20
Potassium	10.0	18.2	29.0	27.9	108	97.1	1	70.0-130			3.87	20

L1657198-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1657198-01 09/20/23 16:05 • (MS) R3975538-5 09/20/23 16:10 • (MSD) R3975538-6 09/20/23 16:14

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic	1.00	ND	1.07	1.07	106	106	1	70.0-130			0.187	20
Barium	1.00	0.188	1.21	1.20	102	101	1	70.0-130			0.583	20
Cadmium	1.00	ND	1.03	1.03	102	103	1	70.0-130			0.195	20
Calcium	10.0	103	113	113	100	103	1	70.0-130			0.265	20
Chromium	1.00	0.0215	1.05	1.01	103	99.2	1	70.0-130			3.40	20
Lead	1.00	0.0308	1.02	1.02	99.0	99.2	1	70.0-130			0.196	20
Magnesium	10.0	41.1	51.0	51.0	99.5	99.3	1	70.0-130			0.0392	20
Potassium	10.0	40.1	50.3	50.1	102	99.5	1	70.0-130			0.478	20
Selenium	1.00	ND	1.04	1.04	103	103	1	70.0-130			0.193	20
Silver	0.500	ND	0.501	0.481	100	96.2	1	70.0-130			4.07	20
Sodium	10.0	117	128	128	104	108	1	70.0-130			0.313	20

L1657048-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1657048-01 09/21/23 14:42 • (MS) R3976113-1 09/21/23 14:47 • (MSD) R3976113-2 09/21/23 14:51

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic	1.00	ND	1.10	1.30	110	130	10	70.0-130			16.4	20
Cadmium	1.00	ND	1.09	1.29	109	129	10	70.0-130			16.5	20
Chromium	1.00	ND	1.02	1.23	102	123	10	70.0-130			18.7	20
Lead	1.00	ND	1.02	1.20	102	120	10	70.0-130			15.8	20
Selenium	1.00	ND	1.09	1.28	109	128	10	70.0-130			16.8	20
Silver	0.500	ND	0.538	0.639	108	128	10	70.0-130			17.0	20
Sodium	10.0	3450	2880	3510	0.000	660	10	70.0-130	V	V	19.8	20

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
T8	Sample(s) received past/too close to holding time expiration.
V	The sample concentration is too high to evaluate accurate spike recoveries.

ACCREDITATIONS & LOCATIONS

Pace Analytical Services, LLC -Dallas 400 W. Bethany Drive Suite 190 Allen, TX 75013

Arkansas	88-0647	Kansas	E10388
Florida	E871118	Texas	T104704232-23-39
Iowa	408	Oklahoma	8727
Louisiana	30686		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

CHAIN-OF-CUSTODY Analytical Request Document

Pace Analytical®

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevent fields

LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or MTJL Log-in Number Here

(1)

ALL SHADED AREAS are for LAB USE ONLY

Company: Texana GCD	Billing Information:
Address: 411 N. Wells st., Edna Tx	
Report To:	Email To: admin@Texanagcd.org
Copy To:	Site Collection Info/Address:
Customer Project Name/Number: Level 4 Hydrocarbon Monitoring	State: TX County/City: Victoria Time Zone Collected: [ ] PT [ ] MT [✓] CT [ ] ET
Phone: 361-579-6863 Email:	Site/Facility ID #: Compliance Monitoring? [ ] Yes [ ] No
Collected By (print): Brent Immenhauser	Purchase Order #: Quote #: DW PWS ID #: DW Location Code:
Collected By (signature):	Turnaround Date Required: Immediately Packed on Ice: [✓] Yes [ ] No
Sample Disposal: [ ] Dispose as appropriate [ ] Return [ ] Archive: [ ] Hold:	Rush: [ ] Same Day [ ] Next Day [ ] 2 Day [ ] 3 Day [ ] 4 Day [ ] 5 Day (Expedite Charges Apply)
	Field Filtered (if applicable): [ ] Yes [ ] No Analysis:

Container Preservative Type **

Lab Project Manager:

** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other _____

Analyses

Lab Profile/Line:

Lab Sample Receipt Checklist:

Custody Seals Present/Intact	Y	N	NA	
Custody Signatures Present	Y	N	NA	
Collector Signature Present	Y	N	NA	
Bottles Intact	Y	N	NA	
Correct Bottles	Y	N	NA	
Sufficient Volume	Y	N	NA	
Samples Received on Ice	Y	N	NA	
VOA - Headspace Acceptable	Y	N	NA	
USDA Regulated Soils	Y	N	NA	
Samples in Holding Time	Y	N	NA	
Residual Chlorine Present	Y	N	NA	
Cl Strips:				
Sample pH Acceptable	Y	N	NA	
pH Strips:				
Sulfide Present	Y	N	NA	
Lead Acetate Strips:				

LAB USE ONLY:
Lab Sample # / Comments:

L1657048 _01

Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res Cl	# of Ctns	BTEX 8260	TPH TX1005	Anions: Cl,F,SO4,NO3,Br	Metals: Ca,Mg,Na,K,As,Ba,Cd,Cr,Pb,Se,Ag, Hg	TDS/SPCon(EC)/pH	Alkalinity: total, carb, and bicarb
287654696699	GW	G	9-18-23	1:00				3	X	X	X	X	X	X

Customer Remarks / Special Conditions / Possible Hazards:

Type of Ice Used: Wet Blue Dry None

Packing Material Used:

Radchem sample(s) screened (<500 cpm): Y N NA

SHORT HOLDS PRESENT (<72 hours): Y N N/A

Lab Tracking #: 7019 5679 1452

Samples received via: FEDEX UPS Client Courier Pace Courier

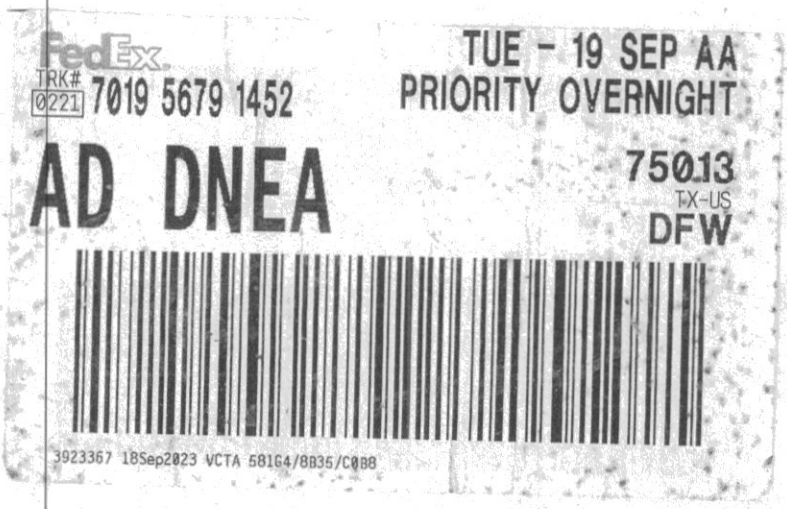
Lab Sample Temperature Info:
Temp Blank Received: Y N NA
Therm ID#:
Cooler 1 Temp Upon Receipt: ____oC
Cooler 1 Therm Corr. Factor: ____oC
Cooler 1 Corrected Temp: ____oC
Comments:

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
	9-18-23 2:40		9/18/23 1440
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
	9/18/23 1700	Fedex	9/18/23 1700
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Fed Ex	9/19/23 0945		9/19/23 0945

MTJL LAB USE ONLY
Table #:
Acctnum: TEXGCDETX
Template:
Prelogin:

Trip Blank Received: Y N NA
HCL MeOH TSP Other

Non Conformance(s): Page: _____


FedEx
TRK# 0221 7019 5679 1452
TUE - 19 SEP AA
PRIORITY OVERNIGHT
AD DNEA
75013
TX-US
DFW
3923367 18Sep2023 VCTA 581G4/8B36/C0B8

Pace Analytical	Document Name: Sample Condition Upon Receipt	Document Revised: 7/27/20 Page 1 of 1
	Document No.: F-DAL-C-001-rev.14	Issuing Authority: Pace Dallas Quality Office

Sample Condition Upon Receipt

☑Dallas ☐Ft Worth ☐Corpus Christi ☐Austin

Client Name: Texana GCD Project Work order (place label): L1657048

Courier: FedEX ☑ UPS ☐ USPS ☐ Client ☐ LSO ☐ PACE ☐ Other: _____

Tracking #: 7019 5679 1452

Custody Seal on Cooler/Box: Yes ☑ No ☐

Received on ice: Wet ☑ Blue ☐ No ice ☐

Receiving Lab 1 Thermometer Used: IR18 **Cooler Temp °C:** 0.3 (Recorded) +0.1 (Correction Factor) 0.4 (Actual)

Receiving Lab 2 Thermometer Used: _____ **Cooler Temp °C:** _____(Recorded) _____(Correction Factor) _____(Actual)

Temperature should be above freezing to 6°C unless collected same day as receipt in which evidence of cooling is acceptable

Triage Person: AG Date: 9/19/23

Chain of Custody relinquished	Yes ☑ No ☐
Sampler name & signature on COC	Yes ☑ No ☐
Short HT analyses (<72 hrs)	Yes ☐ No ☑

Login Person: OC Date: 9/19

Sufficient Volume received	Yes ☑ No ☐
Correct Container used	Yes ☑ No ☐
Container Intact	Yes ☑ No ☐
Sample pH Acceptable pH Strips: 6303005 Residual Chlorine Present Cl Strips: _____ Sulfide Present Lead Acetate Strips: _____	Yes ☑ No ☐ NA ☐ Yes ☐ No ☐ NA ☑ Yes ☐ No ☐ NA ☑
Are soil samples (volatiles, TPH) received in 5035A Kits (not applicable to TCLP VOA or PST Program TPH)	Yes ☐ No ☐ NA ☑
Unpreserved 5035A soil frozen within 48 hrs	Yes ☐ No ☐ NA ☑
Headspace in VOA (>6mm)	Yes ☐ No ☐ NA ☑
Project sampled in USDA Regulated Area outside of Texas State Sampled: _____	Yes ☐ No ☐ NA ☑
Non-Conformance(s):	Yes ☐ No ☑

Labeling Person (if different than log-in): _____ Date: _____

STATE OF TEXAS §
§
COUNTY OF JACKSON §

Resolution to Authorize Compensation for Directors

WHEREAS, the Texana Groundwater Conservation District was created by the Texas Legislature by Chapter 8857, Special District Local Laws Code and duly confirmed by the voters of the District; and

WHEREAS, the district is governed by a board of directors, responsible for the protection and preservation of the groundwater of the district, while ensuring the property rights of its citizens; and

WHEREAS, the directors adopt and supervise the administration of the policies and rules of the district; and

WHEREAS, the performance of the duties of directors of the district requires significant and increasing time and attention, and

WHEREAS, other districts are permitted to compensate directors for their duties, pursuant to Section 36.060, Water Code; and

WHEREAS, the Texana district is not permitted to compensate its directors under Section 8857.056, Special District Local Laws Code;

WHEREAS, the inability to compensate directors for their service has created difficulty in obtaining and retaining dedicated, experienced volunteers to serve in this capacity; and

WHEREAS, the unequal standard on director compensation between districts places an unfair burden on the directors of this district;

WHEREAS, the compensation allowed directors in other districts under Section 36.060, Water Code has not been increased since 2013;

NOW, THEREFORE BE IT RESOLVED, that the Board of Directors of the Texana Groundwater Conservation District does hereby request that the Texas legislature revise Section 8857.056, Special District Local Laws Code to permit directors of this district to receive compensation equal to other districts, pursuant to Section 36.060, Water Code; and

Be it Further Resolved that the Texas legislature should review and consider an increase in the maximum compensation permitted under Section 36.060, Water Code.

Read and Adopted by a vote of _____ ayes and _____ nays on this ___ day of January, 2025.

_____
President

Attest:

_____
Secretary

Texana Groundwater Conservation District

411 N. Wells, Room 118, Edna, Texas 77957
P.O. Box 1098, Edna, Texas 77957
Phone (361) 781-0624 | Fax (361) 781-0453 | www.texanagcd.org

The meeting of the Texana Groundwater Conservation District Board of Directors convened at LNRA Headquarters, Building C, 4631 FM3131, Edna, Texas 77957 on Thursday, October 17, 2024, at 6:00 PM.

The following representatives of Texana Groundwater Conservation District attended the meeting:

Precinct 1:	John Boone	Present
Precinct 2:	Michael Skalicky	Absent
Precinct 3:	Clifford Born	Present
Precinct 4:	Charles Marr	Present
At Large:	Jim Revel	Absent
At Large:	Alfred Tupa	Present
At Large:	Robert Gendke	Present
General Manager:	Tim Andruss	Present
Legal Counsel:	Jim Allison of Allison, Bass & Magee, LLP	Present

Agenda Item 1: Call the meeting to order and welcome guests.

Meeting Discussion: Mr. Tupa called the meeting to order at approximately 6:00 PM.

Board Action: None.

Agenda Item 2: Receive public comments.

Meeting Discussion: Mr. Tupa offered to accept public comment from attendees.

No comments were made at this time.

Board Action: None.

Agenda Item 3: Consideration of and possible action on matters related to groundwater management including the efforts and activities of the District regarding permitting, complaints, investigations, violations, and enforcement cases associated with permitting.

3.1 – Report

Meeting Discussion: Mr. Andruss offered the following report:

Regarding Well Registration Processing for FY2024.

As of October 8, 2024, staff had received 23 well registration applications (ARWs) since October 1, 2023.

As of October 8, 2024, staff had received 44 Notices of Intent to Drill a Well (NIDWs) since October 1, 2023.

Regarding Production Permit Renewal Processing for FY2024.

As of October 8, 2024, staff had received 26 production permit renewal requests (ARPs) since October 1, 2023.

Regarding Permit Processing for FY2024.

As of October 8, 2024, staff had initiated 13 permitting request case (PRCs) since October 1, 2023.

As of October 8, 2024, staff had 7 permitting request cases pending.

As of October 8, 2024, staff had 146 active or approved production permits recorded in the permitting database with a combined amount of authorized groundwater production per year of 167,056 acre-feet.

Regarding Groundwater Production Report Processing for CY2023.

As of October 8, 2024, staff had processed 208 groundwater production reports for the preceding calendar year since October 1, 2023.

As of October 8, 2024, staff had recorded groundwater production reports for 209 water wells reporting 24,658.48 acre-feet of groundwater production during CY2023. (TWDB estimated the volume of groundwater produced for rural domestic, livestock, mining, and rig supply exempt uses in Jackson County in Year 2020 was 1,581 acre-feet.

Regarding Manage Investigations related to Permitting Violations for FY2024.

As of October 8, 2024, staff had initiated 1 investigation related to groundwater management (i.e., permitting) since October 1, 2023.

As of October 8, 2024, staff had 0 active investigations related to groundwater management (i.e., permitting).

Regarding Manage Enforcement Cases related to Permitting Violations for FY2024.

As of October 8, 2024, the Board had initiated 11 enforcement case violations related to groundwater management (i.e., permitting) since October 1, 2023.

As of October 8, 2024, staff had 0 unresolved enforcement cases related to groundwater management (i.e., permitting).

Board Action: None.

3.2 – PRC-20240614-01 – AVWF-20241108-01 – Jackson County WCID 1

Meeting Discussion: Mr. Andruss explained Mr. Keith Powers for Jackson County WCID 1 seeks, under permitting request case PRC-20240614-01, a historic-use production permit protecting the historic production of groundwater from a grandfathered well field comprised of grandfathered wells GW-00406, GW-00405, and GW-00577 for public water system uses in the amount of 61.36 acre-feet per year. The subject well field is located on a 0.5-acre tract of land near the intersection of FM 616 and Prairie St. in Jackson County, Texas.

The applications and supplemental information associated with this permitting request case are considered administratively complete and contain sufficient information to evaluate the request relative to the Rules of the District. Provided the resulting permit is properly conditioned, the operation of the existing well field would satisfy the requirements as established within the Rules of the District without a waiver or variance.

The application includes an affidavit, executed by Mr. Keith Powers, regarding the evidence of historic use submitted in the application that states 1. I am 18 years of age or older and competent to submit this affidavit. 2. To the best of my knowledge and belief, the information contained in the attached application to validate the historic use of a well field is true and correct. 3. All available information concerning groundwater production during the validation period has been provided to the Texana Groundwater Conservation District."

The application includes supplemental documentation containing the TWDB Water Use Survey (Survey Number: 0507200) for the subject well field for calendar year 2003. The survey indicates the subject well system produced 19,996,988 gallons in year 2003 (61.36 acre-feet).

On September 25, 2024, the public notice related to the consideration of the permit case was completed.

As of October 8, 2024, the District had not received notice of intent to contest the permitting request.

Board Action: Mr. Born moved to 1) cancel the permit hearing and proceed with the permitting case as an uncontested matter; and 2) authorize the general manager to issue a historic use permit to Jackson County WCID 1 under application AVWF-20241108-01 for well GW-00406, GW-00405, and GW-00577 authorizing the production of 61.36 acre-feet of groundwater per year for public water system uses. Mr. Boone seconded the motion. The motion passed unanimously.

3.3 – PRC-20240612-01 – ARPP-20240528-01 – Tanza Granite – Production Permit Renewal

Meeting Discussion: Mr. Andruss explained that Ms. Janie Coetzee for Tanza Granite Inc. seeks, under permitting request case PRC-20240612-01, a renewal of production permit OPW-20200225-02. The renewal request appears to comply with the rules and regulations of the District.

Board Action: Mr. Born moved to approve the following production permit renewal and authorize the general manager to issue production permit renewals for the permits associated with the following renewal requests in accordance with the Rules of the District: ARPP-20240528-01. Mr. Boone seconded the motion. The motion passed unanimously.

3.4 – PRC-20320321-01 – Bowers and Saha LLC

Meeting Discussion: Mr. Andruss explained that during the meeting held on July 18, 2024, Mr. Kubecka notified the district that he intended to submit a new amendment request for waiver WV-20191219-01.

On September 27, 2024, Mr. Kubecka notified the district of the changes he wished to have amended into waiver WV-20191219-01.

On October 1, 2024, Mr. Andruss provided files that documented (as tracked changes) the changes to be requested by Mr. Kubecka and a draft application for the new amendment request with instructions for submitting the new request to the district.

On October 7, 2024, Mr. Kubecka expressed his acceptance of the application and draft waiver documents. He explained that he would provide the executed application on October 8, 2024.

Board Action: Mr. Boone moved to 1) authorize the general manager to submit the new amendment request to Dr. Uddameri or other qualified consultant of the district for technical review, with the provision that general manager is authorized to collect a fee from the applicant if the district will incur costs related to the review, and 2) schedule a special meeting for a public hearing on and consideration of the amendment request upon completion of the technical review. Mr. Gendke seconded the motion. The motion passed unanimously.

Agenda Item 4: Consideration of and possible action on matters related to groundwater protection including complaints, investigations, violations, and enforcement cases related to groundwater contamination and waste.

4.1 - Report

Meeting Discussion: Mr. Andruss offered the following report:

Regarding Well Inspections for FY2024.

As of October 8, 2024, staff had recorded 18 well inspection forms (WIFs) since October 1, 2023.

Regarding Manage Investigations related to Groundwater Protection for FY2024.

As of October 8, 2024, staff had initiated 1 investigation related to groundwater protection since October 1, 2023.

As of October 8, 2024, staff had 1 active investigation related to groundwater protection.

Regarding Manage Enforcement Cases related to Groundwater Protection for FY2024.

As of October 8, 2024, the Board had initiated 0 enforcement case violations related to groundwater protection since October 1, 2023.

As of October 8, 2024, staff had 0 unresolved enforcement case violations related to groundwater protection.

Board Action: None.

Agenda Item 5: Consideration of and possible action on matters related to groundwater monitoring.

5.1 - Report

Meeting Discussion: Mr. Andruss offered the following report:

Regarding Monitor Drought Conditions for FY2024.

As of October 8, 2024, the U.S. Drought Monitor indicates that 0% of Jackson County is experiencing abnormally dry or moderate drought conditions.

As of October 8, 2024, drought condition information related to the district and the surrounding region of Texas collected from the Water Data for Texas website https://www.waterdatafortexas.org/drought/) indicates that 100% portion of Jackson County are experiencing abnormally dry conditions.

Regarding Synoptic Aquifer Monitoring for FY2024.

As of October 8, 2024, staff had collected 88 water level measurements since October 1, 2023.

Regarding Continuous Water Level Monitoring for FY2024.

No report.

Regarding Baseline Water Quality Aquifer Monitoring for FY2024.

No report.

Regarding Ad-Hoc Baseline Water Quality Sampling for FY2024.

As of October 8, 2024, staff had collected 78 water quality field measurements since October 1, 2023.

As of October 8, 2024, staff had collected 0 water quality samples since October 1, 2023.

As of October 8, 2024, staff had received 0 water quality lab reports since October 1, 2023.

Regarding Annual Water Level Assessment for FY2024.

No report.

Regarding Annual Water Quality Assessment for FY2024.

No report.

Regarding Monitoring Network Assessment and Improvement Project for FY2024.

No report.

Board Action: None.

5.2 – TWDB Grant Program

Meeting Discussion: Mr. Andruss explained the Texas Water Development Board has established a program to facilitate water conservation in agriculture called the Agricultural Water Conservation Grants Program. Through the program, TWDB provides funding to entities such as GCDs to promote water conservation. Numerous GCDs across the state have secured funds for this purpose with meter cost-sharing being a common example of the type of program that is funded.

This grants program could represent an opportunity for the district to promote water conservation through awareness of pumping impacts while simultaneously improving the district's monitoring efforts of the groundwater resources in the county if a project for cost-sharing aquifer monitoring equipment were submitted and approved.

In particular, a program to fund the procurement and installation of the WellIntel monitoring system at strategic locations around the county would enable groundwater producers, nearby landowners, and staff of district to assess groundwater production impacts in real-time.

Board Action: Mr. Boone moved to authorize the general manager to submit a joint grant application with VCGCD, CCGCD, and RGCD to TWDB for advanced aquifer monitoring equipment at well sites used to produce groundwater for agricultural purposes. Mr. Marr seconded the motion. The motion passed unanimously.

Agenda Item 6: Consideration of and possible action on matters related to groundwater conservation.

6.1 – Report

Meeting Discussion: Mr. Andruss explained:

Regarding Promote Conservation for FY2024.

No Report.

Regarding Conservation Education and Teacher Professional Development for FY2024

No Report.

Board Action: None.

Agenda Item 7: Consideration of and possible action on matters related to groundwater resource planning including Groundwater Management Area 15 Joint Planning and regional water planning.

7.1 - Report

Meeting Discussion: Mr. Andruss offered the following report:

Regarding Regional Water Planning Participation for FY2024.

The Lavaca Regional Planning Group (Region P) met on August 12, 2024, and was attended by Mr. Andruss. The next meeting of the group is not yet scheduled.

Regarding GMA 15 Joint Planning for 4th Planning Cycle in FY2024.

The representatives of the Groundwater Management Area 15 are scheduled to meet on October 15, 2024, in Robstown, Texas to participate in the TWDB Stakeholder Advisory Forum for the central and southern portions of the Gulf Coast Aquifer System model recalibration and a joint meeting with GMA 16 representatives.

Board Action: None.

Agenda Item 8: Consideration of and possible action on matters related to groundwater policy including the Management Plan of the District and the Rules of the District.

8.0 – Report regarding Groundwater Policy

Meeting Discussion: Mr. Andruss offered the following report:

Regarding Management Plan Revisions for FY2024.

No report.

Regarding Rule Amendments for FY2024.

No report.

Regarding Legislative Support and Lobbying for FY2024.

No report.

Board Action: None.

8.2 – Rulemaking Hearing

Meeting Discussion: Mr. Andruss explained on September 26, 2024, the public notice for the rule making hearing was posted on the website of the district with a copy of the proposed rules and a comparison document of the proposed rules to the current rules of the district.

On September 30, 2024, the public notice requirements for the rulemaking hearing were completed with the publication of the notice in the Victoria Advocate.

The proposed rules represent a significant improvement as compared to the current rules of the district. In particular, the rules have been reconstructed to clarify the responsible parties related to each requirement of the rules and to improve the consistency of the rule language from section to section. The revisions include the elimination of terms no longer relevant to foundational provisions of the rules of the district, the addition of new definitions, and the reorganization of rules to appropriate sections.

The proposed rules retain the foundational provisions of the current rules such as:

- requiring advanced notice of well drilling by the well driller,
- requiring the offset of non-grandfathered wells by 1 foot per 1 GPM of production rate from the boundary of land ownership,
- requiring well construction to satisfy standards intended minimize negative effects on groundwater quality and commingling of undesirable water with desirable water,

- requiring replacement wells to be located within 100 yards of the original well,
- requiring the registration of non-grandfathered wells and replacement wells,
- requiring production permitting for the production of groundwater for uses defined a non-exempt uses,
- requiring the reporting of groundwater production for non-exempt uses,
- protecting historic use based on the validation of evidence of the non-exempt use of a well before the rules of the district were adopted,
- limiting non-historic production based on contiguous tracts of groundwater control to 1/2 acre-foot per acre-controlled,
- requiring the submittal of technical information regarding production impacts with applications for high-capacity production permits,
- requiring the monitoring of and satisfaction of performance conditions of high-capacity production permits,
- providing for the renewal of non-expired production permits if the permitting circumstances have not changed,
- requiring permits and reporting for the transfer of groundwater out of the district,
- providing for requests to seek amendments and waivers associated with permits based on good cause,
- providing for petitions to amend the rules of the district,
- providing procedures for processing permitting applications, and
- providing procedures for addressing permit and rule violations.

The proposed rules establish new foundational provisions such as:

- assessment of total production rates on the associated tracts of groundwater control for determining if a permitting request qualifies as a high-capacity production permit request,
- establishing the regulatory framework for deep-saline groundwater production,
- 10-year period for drilling a replacement well after plugging a well, and
- provisions for groundwater production curtailment.

Board Action: Mr. Gendke moved to open the rule making hearing at approximately 7:03 PM. Mr. Marr seconded the motion. The motion passed unanimously.

Mr. Gendke moved to close the rulemaking hearing after receiving no public comment on the proposed rules. Mr. Boone seconded the motion. The motion passed unanimously.

8.3 – Consideration of Proposed Rule Revisions

Meeting Discussion: None.

Board Action: Mr. Gendke moved to adopt the proposed rules as the Rules of the District, as drafted. Mr. Born seconded the motion. The motion passed unanimously.

8.4 – District Fees

Meeting Discussion: Mr. Andruss explained the fee schedule of the district was adopted on October 20, 2011. The fee schedule specifies 1) the administrative fees to be imposed on an applicant based on the type of permitting request submitted, 2) the refunding of unused fees, and 3) surcharges for transfer of groundwater out of the district.

The legislature revised the transfer fee limitations in Chapter 36 of the Texas Water Code:

Sec. 36.122. TRANSFER OF GROUNDWATER OUT OF DISTRICT.

(e) Except as provided by Subsection (e-1), the district may impose an export fee or surcharge using one of the following methods:

(1) a fee negotiated between the district and the exporter;

(2) for a tax-based district, a rate not to exceed 20 cents for each thousand gallons of water exported from the district; or

(3) for a fee-based district, a rate not to exceed the greater of 20 cents for each thousand gallons or a 50 percent surcharge, in addition to the district's production fee, for water exported from the district.

(e-1) Effective January 1, 2024, the maximum allowable rate a district may impose for an export fee or surcharge under Subsection (e)(2) or (e)(3) increases by three percent each calendar year.

Effective January 1, 2024, the maximum rate increased to $0.206 cents per thousand gallons. On January 1, 2025, the maximum rate will increase to $0.212 cents per thousand gallons. These rates equal $67.125 per acre-foot of groundwater transferred out of the district and $69.129 per acre-foot of groundwater transferred out of the district, respectively.

Staff have developed revisions to the fee schedule to update the fees to be assessed for the transfer of groundwater out of the district and establish fees to be assessed for excess groundwater production.

Board Action: Mr. Boone moved to adopt the draft fee schedule by resolution, as drafted. Mr. Born seconded the motion. The motion passed unanimously.

Agenda Item 9: Consideration of and possible action on matters related to administration and management including the minutes of previous meetings, the annual budget of the district, bank accounts, investments, financial reports of the district, bills and invoices of the district, management goals and objectives of the district, administrative policies, staffing, consultant agreements, interlocal cooperation agreements, and support services provided to and from other groundwater conservation districts.

9.1 - Report

Meeting Discussion: Mr. Andruss offered the following report:

Regarding Election Coordination for CY2024.

No Report.

Regarding Financial Audit for FY2023.

No Report.

Regarding Investment Management for FY2024.

No Report.

Regarding Financial Record Processing and Reporting for FY2024.

No Report.

Regarding Budget Development for FY2025.

No Report.

Regarding Asset Tracking for FY2024.

No Report.

Regarding Public Funds Training for FY2024.

No Report.

Regarding Website Improvements.

No Report.

Regarding Public Notice and Meeting Coordination for FY2024.

The next meetings of the Board are scheduled for January 16, 2025, April 17, 2025, July 17, 2025, and August 21, 2025, with each meeting to convene at 6:00 PM. Regular meetings will be rescheduled as necessary and special meeting may be scheduled to address unforeseen issues.

Regarding Performance Audit for FY2023.

No Report.

Regarding Project Management for FY2024.

No Report.

Regarding Administrative Policy Review for FY2024.

No Report.

Regarding Transparency Reporting for FY2024.

No Report.

Regarding Cybersecurity Training for FY2024.

No Report.

Regarding Consultant Review for FY2024.

No Report.

Regarding Open Government Training for FY2024.

No Report.

Regarding District Liability Insurance Review and Renewal.

No Report.

Regarding Digital Record Archiving for FY2024.

No Report.

Regarding Physical Record Archiving for FY2024.

No Report.

Board Action: None.

9.2 – Minutes of the Previous Meetings

Meeting Discussion: Mr. Andruss explained the minutes for the previous meeting were sent to the board members prior to the meeting.

Board Action: Mr. Gendke moved to accept and approve the meeting minutes for July 18, 2024, and August 29, 2024, as drafted. Mr. Tupa seconded the motion. The motion passed unanimously.

9.3 – Financial Reports of the District

Meeting Discussion: Mr. Andruss explained the internal financial reports of the District for June 2024, July 2024, and August 2024, have been sent to the directors prior to the meeting.

Board Action: Mr. Born moved to accept and approve the financial reports for June 2024, July 2024, and August 2024. Mr. Boone seconded the motion. The motion passed unanimously.

9.4 – Financial Transaction Review

Meeting Discussion: Mr. Andruss explained that there have been 20 accounts payable and 10 accounts receivable transactions since July 6, 2024, as of October 8, 2024.

Board Action: None.

9.5 – Investments of the District.

Meeting Discussion: Mr. Andruss explained the investment reports for June 2024, July 2024, and August 2024, have been sent to the board prior to the meeting.

Board Action: Mr. Gendke moved to accept the investment reports for June 2024, July 2024, and August 2024. Mr. Born seconded the motion. The motion passed unanimously.

9.6 – Unpaid Accounts Payable

Meeting Discussion: Mr. Andruss explained the District has outstanding accounts payable invoices that are not considered regular and routine for which the District has received the goods and services billed for under the invoices.

Board Action: Mr. Born moved to authorize the general manager to pay the following items:
s and services received by the District.

1. ACCTP-20241017-01 - $945.00 - ABM - Inv# 7419
2. ACCTP-20241017-03 - $2,652.86 - TML IRP
3. ACCTP-20241017-04 - $1,076.45 - Credit Card Charges
4. ACCTP-20241017-05 - $920.07 – JCTAC – Operating Budget Payment Schedule

Mr. Boone seconded the motion. The motion passed unanimously.

9.7 – Forms of Payment of Penalties and Settlement Fees

Meeting Discussion: Mr. Andruss explained the district has accepted payments of penalties and settlement fees in the form of personal and business checks. Recently, VCGCD experienced a situation in which the violator stopped payment on a business check used to pay a penalty fee. The stop payment resulted in the district incurring a bank fee of $12.00 and additional administrative processing to investigate, report and re-process the payment. In addition, several business violators at the other cooperating districts have requested the districts provide administrative information to register as vendors. This is an additional administrative cost incurred by the districts to resolve violations caused by other parties.

Board Action: Mr. Gendke moved to limit the acceptable form of payment for penalties and settlement fees to cashier's check or money order made payable to the Texana Groundwater Conservation District. Mr. Marr seconded the motion. The motion passed unanimously.

9.8 – Financial Audit for the Previous Fiscal Year

Meeting Discussion: Mr. Andruss explained that Mr. Goldman of Goldman, Hunt, and Notz LLP has expressed his firm's interest in performing the financial audit of the District for FY2024.

Board Action: Mr. Born moved to accept the offer of Goldman, Hunt, and Notz LLP to perform the financial audit for the fiscal year ending September 30, 2024, authorize the general manager to execute the associated engagement letter, and authorize the firm to begin the audit upon development of the internal financial reports for September 30, 2024. Mr. Boone seconded the motion. The motion passed unanimously.

9.9 – Vacancy in Office of Director

Meeting Discussion: Mr. Andruss explained on July 19, 2024, Mr. Revel resigned from the board of Directors of the Texana Groundwater Conservation District.

On July 22, 2024, Mr. Skalicky resigned from the Board of Directors of the Texana Groundwater Conservation District.

Board Action: None.

9.10 – District Assets and Office Consolidation

Meeting Discussion: Mr. Andruss explained on September 13, 2024, Mr. Andruss notified Judge Sklar of the administrative changes under way at the district (i.e., the 5-year ILA and office consolidation) and expressed the district's appreciation of the County's support and assistance in the past.

With the consolidation and elimination of staff at the office space provided by the County, staff have:

1. secured a central post office box (P.O. Box 69, Victoria, Texas 77902) for the districts,
2. arranged to hold meetings at the LNRA Headquarters,
3. transferred the physical records and fireproof cabinets to the VCGCD office,
4. investigated options for transferring surplus equipment and furnishing to Jackson County,
5. begun investigation for consolidating existing phone lines,
6. posted job notices with the Texas Workforce Commission and on the VCGCD website,
7. begun the process for identifying a new location of the consolidated offices.

Mr. Allison developed a draft interlocal agreement to be used to properly transfer excess equipment and furnishings to Jackson County. The draft agreement was provided to Judge Sklar for consideration on October 3, 2024.

Board Action: Mr. Boone moved to authorize the general manager to execute the Interlocal Agreement between Texana Groundwater Conservation District and Jackson County related to excess equipment, as drafted. Mr. Marr seconded the motion. The motion passed unanimously.

9.11 – Bond for Tax Collector-Assessor Services

Meeting Discussion: Mr. Andruss explained on August 29, 2024, the Board authorized the execution of an agreement with Jackson County regarding tax collection services for the district contingent upon legal counsel determining the agreement is legally sufficient.

On October 9, 2024, Mr. Andruss sought the assistance of Mr. Allison regarding the section of the agreement related to providing a bond for the services be provided. Mr. Allison provided revised language for the section.

On October 10, 2024, the agreement with the revision provided by Mr. Allison was forwarded to Ms. Foster, Jackson County Tax Assessor-Collector for review.

The revised language for the bond reads as follows:

> COUNTY TAX ASSESSOR-COLLECTOR will give bond, conditioned on faithful performance of duties of the Jackson County Tax Assessor-Collector, payable to SMALL TAXING UNIT. Said bond will be ordered by, approved by, and paid by SMALL TAXING UNIT in an amount determined by SMALL TAXING UNIT, as stated in Texas Property Tax Code 6.29(b). Each year the COUNTY TAX ASSESSOR-COLLECTOR shall provide bond and keep the bond current.

Board Action: Mr. Born moved to establish $30,000.00 as the amount of the bond for tax collection services and authorize the general manager to obtain the bond. Mr. Gendke seconded the motion. The motion passed unanimously.

9.12 – Budget Revisions

Meeting Discussion: None.

Board Action: Mr. Boone moved to adopt the proposed revisions to the expense budget for FY2025 reallocating expense budget items to the appropriate programs

as discussed at the meeting held on August 29, 2024. Mr. Born seconded the motion. The motion passed unanimously.

Agenda Item 10: Consideration of and possible action on matters related to legal counsel report.

10.0 – Legal Counsel Report

Meeting Discussion: Mr. Allison gave his report.

Board Action: None.

Agenda Item 11: Adjourn

11.0 – Adjourn Meeting

Meeting Discussion: None.

Board Action: Mr. Boone moved to adjourn the meeting after concluding all business of the District, at approximately 8:03 PM. Mr. Gendke seconded the motion. The motion passed unanimously.

The above and foregoing minutes were read and approved on this the _____ day of _____, _____.

ATTEST:

_____ _____
District Director District Director

Texana Groundwater Conservation District

P.O. Box 69, Victoria, Texas 77902
Phone: (361) 781-0624 | Email: admin@texanagcd.org | Website: www.texanagcd.org

INVESTMENT REPORT
Fiscal Year 2023 - 2024
As of September 30, 2024

Detailed Description of Investment Position - PFIA 2256.023(b)(1)
The investment position of the Texana Groundwater Conservation District (District) during the reporting period was restricted to 1) cash deposited into an interest-bearing, demand deposit account for the purposes of holding monies of the Operating Fund, and 2) cash deposited into an interest-bearing, money-market account for the purposes of holding monies of the Operating Fund and Reserve Fund.

During the reporting period, the District deposited cash in an interest-bearing, demand deposit account at Prosperity Bank (Account Number: 217837512) for the purpose of holding monies of the Operating Fund, receiving interest deposits of the account, receiving deposits of district fees, and paying of bills and invoices of the District.

During the reporting period, the District deposited cash in an interest-bearing, money market account at Prosperity Bank (Number: 219189448) for the purpose of holding monies of the Operating Fund and the Reserve Fund, receiving interest deposits of the account, and receiving ad valorem tax revenue deposits.

During the reporting period, the District held money of the Reserve Fund in a certificate of deposit (Number: 9570010515) for the purpose of holding monies of the Reserve Fund and receiving interest deposits of the account.

During the reporting period, the District held money of the Reserve Fund in a certificate of deposit (Number: 9570010517) for the purpose of holding monies of the Reserve Fund and receiving interest deposits of the account.

The accounts are secured by FDIC insurance and pledged collateral in accordance with state law and the Investment Policy of the District.

Summary of Pooled Fund Groups – PFIA 2256.023(b)(4)(A-D)
The District did not invest any portion of its funds in any pooled fund groups during the reporting period.

Beginning Market Value of Investments in Pooled Fund Groups:	$0.00
Additions and Changes to the Market Value of Investments in Pooled Fund Groups:	$0.00
Ending Market Value of Investments in Pooled Fund Groups:	$0.00
Fully Accrued Interest of Investments in Pooled Fund Groups:	$0.00

Book and Market Values by Asset Type and Fund Type Statement – PFIA 2256.023(b)(5)

Asset Type	Institution	Fund Types	Yield / Rate	Book Value	Market Value
Interest-Bearing Demand Deposit Bank Account*	Prosperity Bank (217837512)	Operating	0.85%	$59,912.09	$59,912.09
Interest-Bearing Money Market Bank Account*	Prosperity Bank (219189448)	Operating and Reserve	3.34%	$322,303.22	$322,303.22
Interest-Bearing Certificate of Deposit Bank Account*	Prosperity Bank (9570010515)	Reserve	3.35%	$262,870.51	$262,870.51
Interest-Bearing Certificate of Deposit Bank Account*	Prosperity Bank (9570010517)	Reserve	3.25%	$262,490.14	$262,490.14
			Total:	$907,575.96	$907,575.96

* Based on monthly statements provided by banking institutions.

Summary of Insurance and Collateral by Institution

Institution	FDIC Insurance	Market Value of Pledged Securities as Collateral	Total Insurance and Pledged Securities
Prosperity Bank	$500,000.00	$1,151,451.36	$1,651,451.36

* Based on statements provided by banking institutions.

Asset Maturity Date Statement – PFIA 2256.0023(b)(6)

Asset	Yield / Rate	Maturity Date
Operating Funds in Interest-Bearing Demand Deposit Account	0.85%	N/A
Reserve Funds in Interest-Bearing Money Market Account	3.34%	N/A
Interest-Bearing Certificate of Deposit Account #: 9570010515	3.35%	3/29/2025
Interest-Bearing Certificate of Deposit Account #: 9570010517	3.25%	3/29/2025

Investments for Funds Statement – PFIA 2256.0023(b)(7)

Investment	Fund
Cash Deposits in Interest-Bearing Demand Deposit Account	Operating
Cash Deposits in Interest-Bearing Money Market Account	Reserve
Cash Deposits in Interest-Bearing Certificate of Deposit Account	Reserve
Cash Deposits in Interest-Bearing Certificate of Deposit Account	Reserve

Statement of Compliance – PFIA 2256.0023(b)(8)

The portfolio of the District is believed to be in compliance with the District's Investment Strategy expressed in the District's Investment Policy and the Public Funds Investment Act.

Statement regarding Report Preparation – PFIA 2256.0023(b)(2-3)
By my signature, I represent that 1) this report was written under my direct supervision; 2) I have thoroughly reviewed all the information contained within and used to develop this report; and 3) I believe this report to be true and correct to the best of my knowledge.

Timothy A. Andruss, TGCD Investment Officer — 11/18/2024 Date

Texana Groundwater Conservation District

P.O. Box 69, Victoria, Texas 77902
Phone: (361) 781-0624 | Email: admin@texanagcd.org | Website: www.texanagcd.org

INVESTMENT REPORT
Fiscal Year 2024-2025
As of October 31, 2024

Detailed Description of Investment Position - PFIA 2256.023(b)(1)
The investment position of the Texana Groundwater Conservation District (District) during the reporting period was restricted to 1) cash deposited into an interest-bearing, demand deposit account for the purposes of holding monies of the Operating Fund, and 2) cash deposited into an interest-bearing, money-market account for the purposes of holding monies of the Operating Fund and Reserve Fund.

During the reporting period, the District deposited cash in an interest-bearing, demand deposit account at Prosperity Bank (Account Number: 217837512) for the purpose of holding monies of the Operating Fund, receiving interest deposits of the account, receiving deposits of district fees, and paying of bills and invoices of the District.

During the reporting period, the District deposited cash in an interest-bearing, money market account at Prosperity Bank (Number: 219189448) for the purpose of holding monies of the Operating Fund and the Reserve Fund, receiving interest deposits of the account, and receiving ad valorem tax revenue deposits.

During the reporting period, the District held money of the Reserve Fund in a certificate of deposit (Number: 9570010515) for the purpose of holding monies of the Reserve Fund and receiving interest deposits of the account.

During the reporting period, the District held money of the Reserve Fund in a certificate of deposit (Number: 9570010517) for the purpose of holding monies of the Reserve Fund and receiving interest deposits of the account.

The accounts are secured by FDIC insurance and pledged collateral in accordance with state law and the Investment Policy of the District.

Summary of Pooled Fund Groups – PFIA 2256.023(b)(4)(A-D)
The District did not invest any portion of its funds in any pooled fund groups during the reporting period.

Beginning Market Value of Investments in Pooled Fund Groups:	$0.00
Additions and Changes to the Market Value of Investments in Pooled Fund Groups:	$0.00
Ending Market Value of Investments in Pooled Fund Groups:	$0.00
Fully Accrued Interest of Investments in Pooled Fund Groups:	$0.00

Book and Market Values by Asset Type and Fund Type Statement – PFIA 2256.023(b)(5)

Asset Type	Institution	Fund Types	Yield / Rate	Book Value	Market Value
Interest-Bearing Demand Deposit Bank Account*	Prosperity Bank (217837512)	Operating	0.85%	$59,955.22	$59,955.22
Interest-Bearing Money Market Bank Account*	Prosperity Bank (219189448)	Operating and Reserve	3.34%	$323,748.38	$323,748.38
Interest-Bearing Certificate of Deposit Bank Account*	Prosperity Bank (9570010515)	Reserve	3.35%	$262,870.51	$262,870.51
Interest-Bearing Certificate of Deposit Bank Account*	Prosperity Bank (9570010517)	Reserve	3.25%	$262,490.14	$262,490.14
			Total:	$909,064.25	$909,064.25

* Based on monthly statements provided by banking institutions.

Summary of Insurance and Collateral by Institution

Institution	FDIC Insurance	Market Value of Pledged Securities as Collateral	Total Insurance and Pledged Securities
Prosperity Bank	$500,000.00	$1,110,674.62	$1,610,674.62

* Based on statements provided by banking institutions.

Asset Maturity Date Statement – PFIA 2256.0023(b)(6)

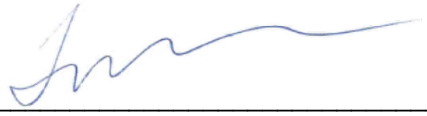
Asset	Yield / Rate	Maturity Date
Operating Funds in Interest-Bearing Demand Deposit Account	0.85%	N/A
Reserve Funds in Interest-Bearing Money Market Account	3.34%	N/A
Interest-Bearing Certificate of Deposit Account #: 9570010515	3.35%	3/29/2025
Interest-Bearing Certificate of Deposit Account #: 9570010517	3.25%	3/29/2025

Investments for Funds Statement – PFIA 2256.0023(b)(7)

Investment	Fund
Cash Deposits in Interest-Bearing Demand Deposit Account	Operating
Cash Deposits in Interest-Bearing Money Market Account	Reserve
Cash Deposits in Interest-Bearing Certificate of Deposit Account	Reserve
Cash Deposits in Interest-Bearing Certificate of Deposit Account	Reserve

Statement of Compliance – PFIA 2256.0023(b)(8)
The portfolio of the District is believed to be in compliance with the District's Investment Strategy expressed in the District's Investment Policy and the Public Funds Investment Act.

Statement regarding Report Preparation – PFIA 2256.0023(b)(2-3)
By my signature, I represent that 1) this report was written under my direct supervision; 2) I have thoroughly reviewed all the information contained within and used to develop this report; and 3) I believe this report to be true and correct to the best of my knowledge.



Timothy A. Andruss, TGCD Investment Officer — Date: 1/14/2025

Texana Groundwater Conservation District

P.O. Box 69, Victoria, Texas 77902
Phone: (361) 781-0624 | Email: admin@texanagcd.org | Website: www.texanagcd.org

INVESTMENT REPORT
Fiscal Year 2024-2025
As of November 30, 2024

Detailed Description of Investment Position - PFIA 2256.023(b)(1)
The investment position of the Texana Groundwater Conservation District (District) during the reporting period was restricted to 1) cash deposited into an interest-bearing, demand deposit account for the purposes of holding monies of the Operating Fund, and 2) cash deposited into an interest-bearing, money-market account for the purposes of holding monies of the Operating Fund and Reserve Fund.

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During the reporting period, the District held money of the Reserve Fund in a certificate of deposit (Number: 9570010515) for the purpose of holding monies of the Reserve Fund and receiving interest deposits of the account.

During the reporting period, the District held money of the Reserve Fund in a certificate of deposit (Number: 9570010517) for the purpose of holding monies of the Reserve Fund and receiving interest deposits of the account.

The accounts are secured by FDIC insurance and pledged collateral in accordance with state law and the Investment Policy of the District.

Summary of Pooled Fund Groups – PFIA 2256.023(b)(4)(A-D)
The District did not invest any portion of its funds in any pooled fund groups during the reporting period.

Beginning Market Value of Investments in Pooled Fund Groups:	$0.00
Additions and Changes to the Market Value of Investments in Pooled Fund Groups:	$0.00
Ending Market Value of Investments in Pooled Fund Groups:	$0.00
Fully Accrued Interest of Investments in Pooled Fund Groups:	$0.00

Book and Market Values by Asset Type and Fund Type Statement – PFIA 2256.023(b)(5)

Asset Type	Institution	Fund Types	Yield / Rate	Book Value	Market Value
Interest-Bearing Demand Deposit Bank Account*	Prosperity Bank (217837512)	Operating	0.85%	$53,757.79	$53,757.79
Interest-Bearing Money Market Bank Account*	Prosperity Bank (219189448)	Operating and Reserve	3.14%	$324,846.40	$324,846.40
Interest-Bearing Certificate of Deposit Bank Account*	Prosperity Bank (9570010515)	Reserve	3.35%	$262,870.51	$262,870.51
Interest-Bearing Certificate of Deposit Bank Account*	Prosperity Bank (9570010517)	Reserve	3.25%	$262,490.14	$262,490.14
			Total:	$903,964.84	$903,964.84

* Based on monthly statements provided by banking institutions.

Summary of Insurance and Collateral by Institution

Institution	FDIC Insurance	Market Value of Pledged Securities as Collateral	Total Insurance and Pledged Securities
Prosperity Bank	$500,000.00	$1,084,842.07	$1,584,842.07

* Based on statements provided by banking institutions.

Asset Maturity Date Statement – PFIA 2256.0023(b)(6)

Asset	Yield / Rate	Maturity Date
Operating Funds in Interest-Bearing Demand Deposit Account	0.85%	N/A
Reserve Funds in Interest-Bearing Money Market Account	3.34%	N/A
Interest-Bearing Certificate of Deposit Account #: 9570010515	3.35%	3/29/2025
Interest-Bearing Certificate of Deposit Account #: 9570010517	3.25%	3/29/2025

Investments for Funds Statement – PFIA 2256.0023(b)(7)

Investment	Fund
Cash Deposits in Interest-Bearing Demand Deposit Account	Operating
Cash Deposits in Interest-Bearing Money Market Account	Reserve
Cash Deposits in Interest-Bearing Certificate of Deposit Account	Reserve
Cash Deposits in Interest-Bearing Certificate of Deposit Account	Reserve

Statement of Compliance – PFIA 2256.0023(b)(8)
The portfolio of the District is believed to be in compliance with the District's Investment Strategy expressed in the District's Investment Policy and the Public Funds Investment Act.

Statement regarding Report Preparation – PFIA 2256.0023(b)(2-3)
By my signature, I represent that 1) this report was written under my direct supervision; 2) I have thoroughly reviewed all the information contained within and used to develop this report; and 3) I believe this report to be true and correct to the best of my knowledge.

Timothy A. Andruss, TGCD Investment Officer — 1/14/2025 Date

TGCD - Adm - FM - Internal Control Review Reports - ICRR-20240930-01 - September 2024

TexanaGroundwater Conservation DistrictInternal Control Review Report

Reporting Period Start: 9/1/24
Reporting Period Stop: 9/30/24

Related Documentation
TGCD - Adm - FM - Financial Registry - FY2024 - Check Out 20241107.1058 CPD - Check In 20241108.1048 CPD

Bank Statement Links:

1. TGCD - Adm - FM - Bank Statements - BS-20240930-01 - Prosperity 9448 - RECONCILED
2. TGCD - Adm - FM - Bank Statements - BS-20240930-02 - Prosperity 7512 - RECONCILED
3. TGCD - Adm - FM - Bank Statements - BS-20240930-03 - CD# 0515 - RECONCILED
4. TGCD - Adm - FM - Bank Statements - BS-20240930-04 - CD# 0517 - RECONCILED

List of UNPAID Accounts Payable (ACCTPs) Note Links:

1.

List of UNPAID Accounts Receivable (ACCTRs) Note Links:

List of VOIDED Check Note Links:

List of CANCELLED Transaction Note Links:

List of COLLATERAL RECORD Note Links:

1. TGCD - Adm - FM - Collateral Records - CR-20240930-01 - Prosperity Bank - September 2024

List of DISPUTED and UNPAID Accounts Payable (ACCTPs)Notes:

List of DISPUTED and UNPAID Accounts Receivable (ACCTRs)Notes:

Internal Control Review

Question #1: Are bank statements and reconciliation forms consistent and balanced? Yes
Comments:

Question#2: Are dual signatures present on all checks? Yes
Comments:

Question#3: Are all expenditures associated with employees, including credit card expenditures, or contractors appropriate and properly authorized? Yes
Comments:

Question#4: Are all electronic transactions (drafts and transfers) appropriate and properly documented? Yes
Comments:

Question#5: Are all voided checks properly marked and recorded?
Comments: N/A

Question#6: Does the market valueof the pledged collateral and FDIC insurance exceed the total of investments per banking institution? Yes
Comments:

Question#7: Do the external financial recordscomport with internal financial records of the District? Yes
Comments:

Caitlynn Davenport

PDF of Executed Report:

Note Template Link: TGCD - Adm - FM - Internal Control Review Reports - ICRR-YYYYMMDD-SQ

Bank Account ID	Statement ID	Statement End Date	Current Reported Balance	Account Statement Date
CD# 0515	BS-20240930-03	9/30/2024	$ 262,870.51	CD# 0515 : BS-20240930-03: DATE: 09/30/2024
CD# 0517	BS-20240930-04	9/30/2024	$ 262,490.14	CD# 0517 : BS-20240930-04: DATE: 09/30/2024
Prosperity 9448	BS-20240930-01	9/30/2024	$ 322,303.22	Prosperity 9448 : BS-20240930-01: DATE: 09/30/2024
Prosperity 7152	BS-20240930-02	9/30/2024	$ 59,912.09	Prosperity 7152 : BS-20240930-02: DATE: 09/30/2024
Total			**$ 907,575.96**	

Note: cash-basis accounting method used to develop reports.
Tab: Bank Statement Registry

Institution	Type	CUSIP	Description	Safekeeping Location	Safekeeping Receipt	Credit Rating	Market Value
Prosperity Bank	FDIC Insurance - Demand Deposits	N/A	N/A	N/A		N/A	$ 250,000.00
Prosperity Bank	FDIC Insurance - Time Deposits	N/A	N/A	N/A		N/A	$ 250,000.00
Prosperity Bank	Pledged Collateral	3138WDYL9	FNMA #AS4314	FHLB		AA+	$ 479,163.55
Prosperity Bank	Pledged Collateral	3138X6MR3	FNMA CRA #AU6667	FHLB		AA+	$ 88,114.80
Prosperity Bank	Pledged Collateral	3133KYUZ0	FR #RB5100	FHLB		AA+	$ -
Prosperity Bank	Pledged Collateral	31418DZ54	FNMA #MA4363	FHLB		AA+	$ 465,826.08
Prosperity Bank	Pledged Collateral	31417DY56	FNMA #AB7031	FHLB		AA+	$ -
Prosperity Bank	Pledged Collateral	3132D6AC4	FR #SB8103	FHLB		AA+	$ 118,346.93
Total							**$ 1,651,451.36**

The funds of the District are adquately protected by FDIC Insurance and pledged collateral.

Note: cash-basis accounting method used to develop reports.
Tab: Collateral Report

Bank Account	Account Statement	Reconciled Bank Statement	Fund	Reported Balance as of the Start of the Fiscal Year	Total of Recorded Credit Transactions for Fiscal Year	Total of Recorded Debit Transactions for Fiscal Year	Calculated Balance	Current Reported Balance	Unreconciled Amount
Prosperity 9448	Prosperity 9448 : BS-20240930-01: DATE: 09/30/2024	BS-20240930-01	Reserve	$ 377,589.85	$ 294,713.37	$ (350,000.00)	$ 322,303.22	$ 322,303.22	$ -
Prosperity 7152	Prosperity 7152 : BS-20240930-02: DATE: 09/30/2024	BS-20240930-02	Operating	$ 23,655.87	$ 352,252.45	$ (315,996.23)	$ 59,912.09	$ 59,912.09	$ -
CD# 0515	CD# 0515 : BS-20240930-03: DATE: 09/30/2024	BS-20240930-03	Reserve	$ 254,239.74	$ 8,630.77	$ -	$ 262,870.51	$ 262,870.51	$ -
CD# 0517	CD# 0517 : BS-20240930-04: DATE: 09/30/2024	BS-20240930-04	Reserve	$ 254,112.67	$ 8,377.47	$ -	$ 262,490.14	$ 262,490.14	$ -
Total				**$ 909,598.13**	**$ 663,974.06**	**$ (665,996.23)**	**$ 907,575.96**	**$ 907,575.96**	**$ -**

Note: cash-basis accounting method used to develop reports.
Tab: Account Reconciliation Report

Budget Program	Budget Amount	Budget Amendment Recommendation - Mid Year	Budget Amendment Recommendation - End of Year	Budget Amount (Amended)	Transaction Total	Budget Balance
1001 - Administration - Revenue	$ 283,600.00	$ 10,000.00	$ -	$ 293,600.00	$ 312,432.18	$ 18,900.00
1003 - Administration - Technology	$ (20,300.00)	$ 9,500.00	$ -	$ (10,800.00)	$ (7,175.34)	$ 3,700.00
1004 - Administration - General	$ (164,100.00)	$ 37,500.00	$ -	$ (126,600.00)	$ (297,532.01)	$ (171,000.00)
2000 - Groundwater Conservation	$ (9,500.00)	$ 8,000.00	$ -	$ (1,500.00)	$ -	$ 1,500.00
3000 - Groundwater Management	$ (5,000.00)	$ -	$ -	$ (5,000.00)	$ -	$ 5,000.00
4000 - Groundwater Monitoring	$ (32,600.00)	$ 19,500.00	$ -	$ (13,100.00)	$ (247.00)	$ 12,900.00
5000 - Groundwater Policy	$ -	$ -	$ -	$ -	$ -	$ -
6000 - Groundwater Protection	$ (8,000.00)	$ 2,500.00	$ -	$ (5,500.00)	$ -	$ 5,500.00
8000 - Groundwater Resource Planning	$ (7,500.00)	$ (2,000.00)	$ -	$ (9,500.00)	$ (9,500.00)	$ -
Total	**$ 36,600.00**	**$ 85,000.00**	**$ -**	**$ 121,600.00**	**$ (2,022.17)**	**$ (123,500.00)**

Note: cash-basis accounting method used to develop reports.
Tab: Budget Performance by Program

Budget Category	Budget Amount	Budget Amendment Recommendation - Mid Year	Budget Amendment Recommendation - End of Year	Budget Amount (Amended)	Transaction Total	Budget Balance
0120 - Tax Collections	$ 272,300.00	$ -	$ -	$ 272,300.00	$ 278,126.24	$ 5,900.00
0130 - Interest Income	$ 9,400.00	$ 10,000.00	$ -	$ 19,400.00	$ 32,534.06	$ 13,200.00
0143 - District Fees - Permitting	$ 1,900.00	$ -	$ -	$ 1,900.00	$ 1,541.88	$ (400.00)
0145 - District Fees - Enforcement	$ -	$ -	$ -	$ -	$ 100.00	$ 100.00
0150 - Grants	$ -	$ -	$ -	$ -	$ -	$ -
0160 - Refunds	$ -	$ -	$ -	$ -	$ 130.00	$ 200.00
0300 - Reserve Funds	$ -	$ -	$ -	$ -	$ -	$ -
210 - Legal Services	$ (25,000.00)	$ 10,000.00	$ -	$ (15,000.00)	$ (8,085.00)	$ 7,000.00
215 - Legislative and Administrative Action Representation Services	$ (5,000.00)	$ 5,000.00	$ -	$ -	$ -	$ -
220 - Professional and Technical Services	$ (10,000.00)	$ 10,000.00	$ -	$ -	$ -	$ -
221 - Professional and Technical Services - Auditor	$ (10,000.00)	$ -	$ -	$ (10,000.00)	$ (9,500.00)	$ 500.00
222 - Professional and Technical Services - Tax Assessor	$ (2,500.00)	$ 1,500.00	$ -	$ (1,000.00)	$ (605.72)	$ 400.00
223 - Professional and Technical Services - Appraisal District	$ (7,500.00)	$ 5,500.00	$ -	$ (2,000.00)	$ (4,945.71)	$ (3,000.00)
225 - Professional and Technical Services - Hydrogeologist	$ (20,000.00)	$ -	$ -	$ (20,000.00)	$ (3,750.00)	$ 16,300.00
226 - Professional and Technical Services - Laboratory	$ (10,000.00)	$ 9,000.00	$ -	$ (1,000.00)	$ (247.00)	$ 800.00
227 - Professional and Technical Services - VCGCD	$ (92,800.00)	$ -	$ -	$ (92,800.00)	$ (265,383.04)	$ (172,600.00)
230 - Insurance and Bonds	$ (2,300.00)	$ -	$ -	$ (2,300.00)	$ (1,747.34)	$ 600.00
310 - Supplies - Office	$ (4,000.00)	$ 2,500.00	$ -	$ (1,500.00)	$ (2,019.33)	$ (600.00)
315 - Certified Mail and Stamps	$ (2,500.00)	$ 2,000.00	$ -	$ (500.00)	$ (135.20)	$ 400.00
330 - Training and Travel Expenses	$ (1,500.00)	$ -	$ -	$ (1,500.00)	$ -	$ 1,500.00
360 - Sponsorships and Cost-Sharing	$ (7,500.00)	$ (2,000.00)	$ -	$ (9,500.00)	$ (9,500.00)	$ -
361 - Sponsorships and Cost-Sharing - Well Plugging	$ (500.00)	$ -	$ -	$ (500.00)	$ -	$ 500.00
362 - Sponsorships and Cost-Sharing - Borehole Logging	$ (2,500.00)	$ 2,500.00	$ -	$ -	$ -	$ -
363 - Sponsorships and Cost-Sharing - Conservation Promotion	$ (9,500.00)	$ 8,000.00	$ -	$ (1,500.00)	$ -	$ 1,500.00
380 - Aquifer Monitoring Network Development	$ (7,500.00)	$ 7,500.00	$ -	$ -	$ -	$ -
410 - Equipment - Office	$ (1,000.00)	$ 1,000.00	$ -	$ -	$ -	$ -
420 - Technology Services - Office Productivity	$ (2,700.00)	$ 1,200.00	$ -	$ (1,500.00)	$ (1,325.56)	$ 200.00
430 - Technology Services - Miscellaneous	$ (500.00)	$ -	$ -	$ (500.00)	$ (8.93)	$ 500.00
432 - Technology Services - Digital Record and Workflow System	$ (7,000.00)	$ 5,800.00	$ -	$ (1,200.00)	$ (985.37)	$ 300.00
433 - Technology Services - Record Archival System	$ (800.00)	$ -	$ -	$ (800.00)	$ (575.60)	$ 300.00
434 - Technology Services - Website and Email System	$ (3,000.00)	$ 1,500.00	$ -	$ (1,500.00)	$ (2,000.25)	$ (600.00)
435 - Technology Services - Phone System	$ 800.00	$ (2,000.00)	$ -	$ (1,200.00)	$ (494.91)	$ 800.00
436 - Technology Services - Internet	$ (500.00)	$ -	$ -	$ (500.00)	$ (471.68)	$ 100.00
450 - Equipment Maintenance and Repair	$ (5,500.00)	$ 4,000.00	$ -	$ (1,500.00)	$ -	$ 1,500.00
500 - Public Notices and Publications	$ (6,000.00)	$ 3,000.00	$ -	$ (3,000.00)	$ (1,872.85)	$ 1,200.00
900 - Miscellaneous	$ (200.00)	$ (1,000.00)	$ -	$ (1,200.00)	$ (800.86)	$ 400.00
Total	**$ 36,600.00**	**$ 85,000.00**	**$ -**	**$ 121,600.00**	**$ (2,022.17)**	**$ (123,000.00)**

Note: cash-basis accounting method used to develop reports.
Tab: Budget Performance by Category

Row Labels	Sum of Split Amount
TR-20231005-01-C	**$ 2,691.91**
Reserve	**$ 2,691.91**
Prosperity 9448	
Credit	
1001 - Administration - Revenue	
0120 - Tax Collections	$ 2,691.91
TR-20231024-01-D	**$ (395.04)**
Operating	**$ (395.04)**
Prosperity 7152	
Debit	
1003 - Administration - Technology	
420 - Technology Services - Office Productivity	$ (10.66)
432 - Technology Services - Digital Record and Workflow System	$ (54.67)
433 - Technology Services - Record Archival System	$ (57.56)
434 - Technology Services - Website and Email System	$ (191.39)
435 - Technology Services - Phone System	$ (48.50)
436 - Technology Services - Internet	$ (32.26)
TR-20231024-02-D	**$ (1,747.34)**
Operating	**$ (1,747.34)**
Prosperity 7152	
Debit	
1004 - Administration - General	
230 - Insurance and Bonds	$ (1,747.34)
TR-20231024-03-D	**$ (247.00)**
Operating	**$ (247.00)**
Prosperity 7152	
Debit	
4000 - Groundwater Monitoring	
226 - Professional and Technical Services - Laboratory	$ (247.00)
TR-20231024-04-D	**$ (45.00)**
Operating	**$ (45.00)**
Prosperity 7152	
Debit	
1003 - Administration - Technology	
420 - Technology Services - Office Productivity	$ (45.00)
TR-20231031-01-C	**$ 983.96**
Reserve	**$ 983.96**
Prosperity 9448	
Credit	
1001 - Administration - Revenue	

Note: cash-basis accounting method used to develop reports.
Tab: Transaction Summary - List

0130 - Interest Income	$	983.96
TR-20231031-02-C	**$**	**5.02**
Operating	**$**	**5.02**
Prosperity 7152		
Credit		
1001 - Administration - Revenue		
0130 - Interest Income	$	5.02
TR-20231109-01-C	**$**	**701.35**
Reserve	**$**	**701.35**
Prosperity 9448		
Credit		
1001 - Administration - Revenue		
0120 - Tax Collections	$	701.35
TR-20231109-03-C	**$**	**130.00**
Reserve	**$**	**130.00**
Prosperity 9448		
Credit		
1001 - Administration - Revenue		
0160 - Refunds	$	130.00
TR-20231120-01-C	**$**	**75,000.00**
Operating	**$**	**75,000.00**
Prosperity 7152		
Credit		
1001 - Administration - Revenue		
0300 - Reserve Funds	$	75,000.00
TR-20231120-01-D	**$**	**(75,000.00)**
Reserve	**$**	**(75,000.00)**
Prosperity 9448		
Debit		
1001 - Administration - Revenue		
0300 - Reserve Funds	$	(75,000.00)
TR-20231130-01-C	**$**	**888.25**
Reserve	**$**	**888.25**
Prosperity 9448		
Credit		
1001 - Administration - Revenue		
0130 - Interest Income	$	888.25
TR-20231130-02-C	**$**	**10.03**
Operating	**$**	**10.03**
Prosperity 7152		
Credit		
1001 - Administration - Revenue		
0130 - Interest Income	$	10.03

Note: cash-basis accounting method used to develop reports.
Tab: Transaction Summary - List

TR-20231201-01-C	**$**	**43.21**
Reserve	**$**	**43.21**
Prosperity 9448		
Credit		
1001 - Administration - Revenue		
0120 - Tax Collections	$	43.21
TR-20231201-01-D	**$**	**(659.25)**
Operating	**$**	**(659.25)**
Prosperity 7152		
Debit		
1004 - Administration - General		
500 - Public Notices and Publications	$	(659.25)
TR-20231201-02-D	**$**	**(605.72)**
Operating	**$**	**(605.72)**
Prosperity 7152		
Debit		
1004 - Administration - General		
222 - Professional and Technical Services - Tax Assessor	$	(605.72)
TR-20231201-03-D	**$**	**(358.24)**
Operating	**$**	**(358.24)**
Prosperity 7152		
Debit		
1003 - Administration - Technology		
420 - Technology Services - Office Productivity	$	(358.24)
TR-20231201-04-D	**$**	**(794.84)**
Operating	**$**	**(794.84)**
Prosperity 7152		
Debit		
1003 - Administration - Technology		
420 - Technology Services - Office Productivity	$	(10.66)
432 - Technology Services - Digital Record and Workflow System	$	(74.62)
433 - Technology Services - Record Archival System	$	(57.56)
434 - Technology Services - Website and Email System	$	(13.82)
435 - Technology Services - Phone System	$	(49.77)
436 - Technology Services - Internet	$	(32.26)
1004 - Administration - General		
310 - Supplies - Office	$	(156.36)
900 - Miscellaneous	$	(399.79)
TR-20231208-01-C	**$**	**13,845.19**
Reserve	**$**	**13,845.19**
Prosperity 9448		
Credit		
1001 - Administration - Revenue		

Note: cash-basis accounting method used to develop reports.
Tab: Transaction Summary - List

0120 - Tax Collections	$	13,845.19
TR-20231211-01-C	**$**	**27,052.54**
Reserve	**$**	**27,052.54**
Prosperity 9448		
Credit		
1001 - Administration - Revenue		
0120 - Tax Collections	$	27,052.54
TR-20231219-01-C	**$**	**6,691.23**
Reserve	**$**	**6,691.23**
Prosperity 9448		
Credit		
1001 - Administration - Revenue		
0120 - Tax Collections	$	6,691.23
TR-20231231-01-C	**$**	**883.22**
Reserve	**$**	**883.22**
Prosperity 9448		
Credit		
1001 - Administration - Revenue		
0130 - Interest Income	$	883.22
TR-20231231-02-C	**$**	**20.00**
Operating	**$**	**20.00**
Prosperity 7152		
Credit		
1001 - Administration - Revenue		
0130 - Interest Income	$	20.00
TR-20231231-03-C	**$**	**2,123.42**
Reserve	**$**	**2,123.42**
CD# 0515		
Credit		
1001 - Administration - Revenue		
0130 - Interest Income	$	2,123.42
TR-20231231-04-C	**$**	**2,059.01**
Reserve	**$**	**2,059.01**
CD# 0517		
Credit		
1001 - Administration - Revenue		
0130 - Interest Income	$	2,059.01
TR-20240106-01-C	**$**	**7,848.65**
Reserve	**$**	**7,848.65**
Prosperity 9448		
Credit		
1001 - Administration - Revenue		
0120 - Tax Collections	$	7,848.65

Note: cash-basis accounting method used to develop reports.
Tab: Transaction Summary - List

TR-20240108-01-C	**$**	**4,722.22**
Reserve	**$**	**4,722.22**
Prosperity 9448		
Credit		
1001 - Administration - Revenue		
0120 - Tax Collections	$	4,722.22
TR-20240111-01-C	**$**	**17,572.47**
Reserve	**$**	**17,572.47**
Prosperity 9448		
Credit		
1001 - Administration - Revenue		
0120 - Tax Collections	$	17,572.47
TR-20240118-01-C	**$**	**6,774.31**
Reserve	**$**	**6,774.31**
Prosperity 9448		
Credit		
1001 - Administration - Revenue		
0120 - Tax Collections	$	6,774.31
TR-20240118-01-D	**$**	**(1,648.57)**
Operating	**$**	**(1,648.57)**
Prosperity 7152		
Debit		
1004 - Administration - General		
223 - Professional and Technical Services - Appraisal District	$	(1,648.57)
TR-20240118-02-D	**$**	**(74.12)**
Operating	**$**	**(74.12)**
Prosperity 7152		
Debit		
1003 - Administration - Technology		
420 - Technology Services - Office Productivity	$	(74.12)
TR-20240118-03-D	**$**	**(21.00)**
Operating	**$**	**(21.00)**
Prosperity 7152		
Debit		
1004 - Administration - General		
500 - Public Notices and Publications	$	(21.00)
TR-20240118-04-D	**$**	**(1,275.00)**
Operating	**$**	**(1,275.00)**
Prosperity 7152		
Debit		
1004 - Administration - General		
210 - Legal Services	$	(1,275.00)
TR-20240118-05-D	**$**	**(45.00)**

Note: cash-basis accounting method used to develop reports.
Tab: Transaction Summary - List

Operating	**$**	**(45.00)**
Prosperity 7152		
Debit		
1003 - Administration - Technology		
420 - Technology Services - Office Productivity	$	(45.00)
TR-20240118-06-D	**$**	**(826.60)**
Operating	**$**	**(826.60)**
Prosperity 7152		
Debit		
1003 - Administration - Technology		
420 - Technology Services - Office Productivity	$	(10.66)
432 - Technology Services - Digital Record and Workflow System	$	(74.62)
433 - Technology Services - Record Archival System	$	(57.56)
435 - Technology Services - Phone System	$	(49.77)
436 - Technology Services - Internet	$	(32.26)
1004 - Administration - General		
310 - Supplies - Office	$	(197.52)
900 - Miscellaneous	$	(404.21)
TR-20240125-01-C	**$**	**5,895.41**
Reserve	**$**	**5,895.41**
Prosperity 9448		
Credit		
1001 - Administration - Revenue		
0120 - Tax Collections	$	5,895.41
TR-20240130-01-C	**$**	**46,491.33**
Reserve	**$**	**46,491.33**
Prosperity 9448		
Credit		
1001 - Administration - Revenue		
0120 - Tax Collections	$	46,491.33
TR-20240131-01-C	**$**	**1,000.16**
Reserve	**$**	**1,000.16**
Prosperity 9448		
Credit		
1001 - Administration - Revenue		
0130 - Interest Income	$	1,000.16
TR-20240131-02-C	**$**	**19.79**
Operating	**$**	**19.79**
Prosperity 7152		
Credit		
1001 - Administration - Revenue		
0130 - Interest Income	$	19.79
TR-20240206-01-C	**$**	**7,266.36**

Note: cash-basis accounting method used to develop reports.
Tab: Transaction Summary - List

Reserve	**$**	**7,266.36**
Prosperity 9448		
Credit		
1001 - Administration - Revenue		
0120 - Tax Collections	$	7,266.36
TR-20240215-01-C	**$**	**44,554.78**
Reserve	**$**	**44,554.78**
Prosperity 9448		
Credit		
1001 - Administration - Revenue		
0120 - Tax Collections	$	44,554.78
TR-20240222-01-C	**$**	**73,119.45**
Reserve	**$**	**73,119.45**
Prosperity 9448		
Credit		
1001 - Administration - Revenue		
0120 - Tax Collections	$	73,119.45
TR-20240228-01-D	**$**	**(49.29)**
Operating	**$**	**(49.29)**
Prosperity 7152		
Debit		
1003 - Administration - Technology		
420 - Technology Services - Office Productivity	$	(10.66)
432 - Technology Services - Digital Record and Workflow System	$	(74.62)
433 - Technology Services - Record Archival System	$	(57.56)
435 - Technology Services - Phone System	$	(49.81)
436 - Technology Services - Internet	$	(32.26)
1004 - Administration - General		
310 - Supplies - Office	$	(256.86)
315 - Certified Mail and Stamps	$	(108.00)
900 - Miscellaneous	$	540.48
TR-20240229-01-C	**$**	**1,202.46**
Reserve	**$**	**1,202.46**
Prosperity 9448		
Credit		
1001 - Administration - Revenue		
0130 - Interest Income	$	1,202.46
TR-20240229-02-C	**$**	**18.18**
Operating	**$**	**18.18**
Prosperity 7152		
Credit		
1001 - Administration - Revenue		
0130 - Interest Income	$	18.18

Note: cash-basis accounting method used to develop reports.
Tab: Transaction Summary - List

TR-20240305-01-C	**$**	**4,738.36**
Reserve	**$**	**4,738.36**
Prosperity 9448		
Credit		
1001 - Administration - Revenue		
0120 - Tax Collections	$	4,738.36
TR-20240314-01-D	**$**	**(972.55)**
Operating	**$**	**(972.55)**
Prosperity 7152		
Debit		
1003 - Administration - Technology		
420 - Technology Services - Office Productivity	$	(129.46)
432 - Technology Services - Digital Record and Workflow System	$	(327.34)
433 - Technology Services - Record Archival System	$	(57.56)
434 - Technology Services - Website and Email System	$	(323.13)
435 - Technology Services - Phone System	$	(49.81)
436 - Technology Services - Internet	$	(32.26)
1004 - Administration - General		
900 - Miscellaneous	$	(52.99)
TR-20240314-02-C	**$**	**(352.20)**
Operating	**$**	**(352.20)**
Prosperity 7152		
Debit		
1003 - Administration - Technology		
420 - Technology Services - Office Productivity	$	(352.20)
TR-20240314-03-D	**$**	**(1,648.57)**
Operating	**$**	**(1,648.57)**
Prosperity 7152		
Debit		
1004 - Administration - General		
223 - Professional and Technical Services - Appraisal District	$	(1,648.57)
TR-20240314-08-D	**$**	**(479.70)**
Operating	**$**	**(479.70)**
Prosperity 7152		
Debit		
1004 - Administration - General		
500 - Public Notices and Publications	$	(479.70)
TR-20240315-01-D	**$**	**(3,750.00)**
Operating	**$**	**(3,750.00)**
Prosperity 7152		
Debit		
1004 - Administration - General		
225 - Professional and Technical Services - Hydrogeologist	$	(3,750.00)

Note: cash-basis accounting method used to develop reports.
Tab: Transaction Summary - List

TR-20240315-02-D	**$**	**(7,166.25)**
Operating	**$**	**(7,166.25)**
Prosperity 7152		
Debit		
1004 - Administration - General		
227 - Professional and Technical Services - VCGCD	$	(7,166.25)
TR-20240315-03-D	**$**	**(7,166.25)**
Operating	**$**	**(7,166.25)**
Prosperity 7152		
Debit		
1004 - Administration - General		
227 - Professional and Technical Services - VCGCD	$	(7,166.25)
TR-20240315-04-D	**$**	**(7,166.25)**
Operating	**$**	**(7,166.25)**
Prosperity 7152		
Debit		
1004 - Administration - General		
227 - Professional and Technical Services - VCGCD	$	(7,166.25)
TR-20240315-05-D	**$**	**(7,166.25)**
Operating	**$**	**(7,166.25)**
Prosperity 7152		
Debit		
1004 - Administration - General		
227 - Professional and Technical Services - VCGCD	$	(7,166.25)
TR-20240315-06-D	**$**	**(7,166.25)**
Operating	**$**	**(7,166.25)**
Prosperity 7152		
Debit		
1004 - Administration - General		
227 - Professional and Technical Services - VCGCD	$	(7,166.25)
TR-20240315-07-D	**$**	**(7,166.25)**
Operating	**$**	**(7,166.25)**
Prosperity 7152		
Debit		
1004 - Administration - General		
227 - Professional and Technical Services - VCGCD	$	(7,166.25)
TR-20240315-09-D	**$**	**(114.44)**
Operating	**$**	**(114.44)**
Prosperity 7152		
Debit		
1003 - Administration - Technology		
420 - Technology Services - Office Productivity	$	(114.44)
TR-20240325-01-C	**$**	**1,541.88**

Note: cash-basis accounting method used to develop reports.
Tab: Transaction Summary - List

Operating	**$**	**1,541.88**
Prosperity 7152		
Credit		
1001 - Administration - Revenue		
0143 - District Fees - Permitting	$	1,541.88
TR-20240328-01-D	**$**	**(1,541.88)**
Operating	**$**	**(1,541.88)**
Prosperity 7152		
Debit		
1001 - Administration - Revenue		
0143 - District Fees - Permitting	$	(1,541.88)
TR-20240331-01-C	**$**	**1,490.38**
Reserve	**$**	**1,490.38**
Prosperity 9448		
Credit		
1001 - Administration - Revenue		
0130 - Interest Income	$	1,490.38
TR-20240331-02-C	**$**	**19.25**
Operating	**$**	**19.25**
Prosperity 7152		
Credit		
1001 - Administration - Revenue		
0130 - Interest Income	$	19.25
TR-20240331-03-C	**$**	**2,135.50**
Reserve	**$**	**2,135.50**
CD# 0515		
Credit		
1001 - Administration - Revenue		
0130 - Interest Income	$	2,135.50
TR-20240331-04-C	**$**	**2,070.21**
Reserve	**$**	**2,070.21**
CD# 0517		
Credit		
1001 - Administration - Revenue		
0130 - Interest Income	$	2,070.21
TR-20240410-01-C	**$**	**1,292.24**
Reserve	**$**	**1,292.24**
Prosperity 9448		
Credit		
1001 - Administration - Revenue		
0120 - Tax Collections	$	1,292.24
TR-20240423-01-D	**$**	**(270.00)**
Operating	**$**	**(270.00)**

Note: cash-basis accounting method used to develop reports.
Tab: Transaction Summary - List

Prosperity 7152		
Debit		
1004 - Administration - General		
210 - Legal Services	$	(270.00)
TR-20240425-02-D	**$**	**(1,965.00)**
Operating	**$**	**(1,965.00)**
Prosperity 7152		
Debit		
1004 - Administration - General		
210 - Legal Services	$	(1,965.00)
TR-20240426-01-C	**$**	**1,541.88**
Reserve	**$**	**1,541.88**
Prosperity 9448		
Credit		
1001 - Administration - Revenue		
0143 - District Fees - Permitting	$	1,541.88
TR-20240426-01-D	**$**	**(402.50)**
Operating	**$**	**(402.50)**
Prosperity 7152		
Debit		
1003 - Administration - Technology		
420 - Technology Services - Office Productivity	$	(10.66)
432 - Technology Services - Digital Record and Workflow System	$	(74.62)
433 - Technology Services - Record Archival System	$	(57.56)
434 - Technology Services - Website and Email System	$	(31.91)
435 - Technology Services - Phone System	$	(49.81)
436 - Technology Services - Internet	$	(32.26)
1004 - Administration - General		
310 - Supplies - Office	$	(41.67)
315 - Certified Mail and Stamps	$	(27.20)
900 - Miscellaneous	$	(76.81)
TR-20240426-02-D	**$**	**(2,955.00)**
Operating	**$**	**(2,955.00)**
Prosperity 7152		
Debit		
1004 - Administration - General		
210 - Legal Services	$	(2,955.00)
TR-20240429-01-C	**$**	**311.69**
Operating	**$**	**311.69**
Prosperity 7152		
Credit		
1001 - Administration - Revenue		
0120 - Tax Collections	$	311.69

TR-20240429-01-D	**$**	**(181.00)**
Operating	**$**	**(181.00)**
Prosperity 7152		
Debit		
1004 - Administration - General		
500 - Public Notices and Publications	$	(181.00)
TR-20240429-02-C	**$**	**85.51**
Reserve	**$**	**85.51**
Prosperity 9448		
Credit		
1001 - Administration - Revenue		
0120 - Tax Collections	$	85.51
TR-20240430-01-C	**$**	**1,450.47**
Reserve	**$**	**1,450.47**
Prosperity 9448		
Credit		
1001 - Administration - Revenue		
0130 - Interest Income	$	1,450.47
TR-20240430-02-C	**$**	**18.07**
Operating	**$**	**18.07**
Prosperity 7152		
Credit		
1001 - Administration - Revenue		
0130 - Interest Income	$	18.07
TR-20240510-01-C	**$**	**1,960.87**
Reserve	**$**	**1,960.87**
Prosperity 9448		
Credit		
1001 - Administration - Revenue		
0120 - Tax Collections	$	1,960.87
TR-20240520-01-D	**$**	**(7,500.00)**
Operating	**$**	**(7,500.00)**
Prosperity 7152		
Debit		
8000 - Groundwater Resource Planning		
360 - Sponsorships and Cost-Sharing	$	(7,500.00)
TR-20240521-01-D	**$**	**(834.20)**
Operating	**$**	**(834.20)**
Prosperity 7152		
Debit		
1003 - Administration - Technology		
420 - Technology Services - Office Productivity	$	(118.61)
432 - Technology Services - Digital Record and Workflow System	$	(85.28)

Note: cash-basis accounting method used to develop reports.
Tab: Transaction Summary - List

433 - Technology Services - Record Archival System	$	(57.56)
435 - Technology Services - Phone System	$	(49.36)
436 - Technology Services - Internet	$	(32.26)
1004 - Administration - General		
310 - Supplies - Office	$	(83.59)
900 - Miscellaneous	$	(407.54)
TR-20240531-01-C	**$**	**1,635.48**
Reserve	**$**	**1,635.48**
Prosperity 9448		
Credit		
1001 - Administration - Revenue		
0130 - Interest Income	$	1,635.48
TR-20240531-02-C	**$**	**60.04**
Operating	**$**	**60.04**
Prosperity 7152		
Credit		
1001 - Administration - Revenue		
0130 - Interest Income	$	60.04
TR-20240610-01-C	**$**	**1,686.37**
Reserve	**$**	**1,686.37**
Prosperity 9448		
Credit		
1001 - Administration - Revenue		
0120 - Tax Collections	$	1,686.37
TR-20240624-01-C	**$**	**20.00**
Reserve	**$**	**20.00**
Prosperity 9448		
Credit		
1001 - Administration - Revenue		
0145 - District Fees - Enforcement	$	20.00
TR-20240624-02-C	**$**	**20.00**
Reserve	**$**	**20.00**
Prosperity 9448		
Credit		
1001 - Administration - Revenue		
0145 - District Fees - Enforcement	$	20.00
TR-20240624-03-D	**$**	**(76.34)**
Operating	**$**	**(76.34)**
Prosperity 7152		
Debit		
1003 - Administration - Technology		
420 - Technology Services - Office Productivity	$	(11.73)
430 - Technology Services - Miscellaneous	$	(834.20)

Note: cash-basis accounting method used to develop reports.
Tab: Transaction Summary - List

432 - Technology Services - Digital Record and Workflow System	$	(70.36)
433 - Technology Services - Record Archival System	$	(57.56)
435 - Technology Services - Phone System	$	(49.36)
436 - Technology Services - Internet	$	(32.26)
1004 - Administration - General		
310 - Supplies - Office	$	(257.57)
430 - Technology Services - Miscellaneous	$	1,236.70
TR-20240624-04-D	**$**	**(1,025.76)**
Operating	**$**	**(1,025.76)**
Prosperity 7152		
Debit		
1004 - Administration - General		
310 - Supplies - Office	$	(1,025.76)
TR-20240625-01-C	**$**	**20.00**
Reserve	**$**	**20.00**
Prosperity 9448		
Credit		
1001 - Administration - Revenue		
0145 - District Fees - Enforcement	$	20.00
TR-20240630-01-C	**$**	**1,591.40**
Reserve	**$**	**1,591.40**
Prosperity 9448		
Credit		
1001 - Administration - Revenue		
0130 - Interest Income	$	1,591.40
TR-20240630-02-C	**$**	**22.22**
Operating	**$**	**22.22**
Prosperity 7152		
Credit		
1001 - Administration - Revenue		
0130 - Interest Income	$	22.22
TR-20240630-03-C	**$**	**2,176.76**
Reserve	**$**	**2,176.76**
CD# 0515		
Credit		
1001 - Administration - Revenue		
0130 - Interest Income	$	2,176.76
TR-20240630-04-C	**$**	**2,115.46**
Reserve	**$**	**2,115.46**
CD# 0517		
Credit		
1001 - Administration - Revenue		
0130 - Interest Income	$	2,115.46

TR-20240702-01-C	**$**	**971.36**
Reserve	**$**	**971.36**
Prosperity 9448		
Credit		
1001 - Administration - Revenue		
0120 - Tax Collections	$	971.36
TR-20240709-01-D	**$**	**(300.07)**
Operating	**$**	**(300.07)**
Prosperity 7152		
Debit		
1003 - Administration - Technology		
420 - Technology Services - Office Productivity	$	(11.73)
430 - Technology Services - Miscellaneous	$	(76.34)
432 - Technology Services - Digital Record and Workflow System	$	(74.62)
433 - Technology Services - Record Archival System	$	(57.56)
435 - Technology Services - Phone System	$	(49.36)
436 - Technology Services - Internet	$	(106.80)
1004 - Administration - General		
430 - Technology Services - Miscellaneous	$	76.34
TR-20240718-01-D	**$**	**(7,166.25)**
Operating	**$**	**(7,166.25)**
Prosperity 7152		
Debit		
1004 - Administration - General		
227 - Professional and Technical Services - VCGCD	$	(7,166.25)
TR-20240718-02-D	**$**	**(7,166.25)**
Operating	**$**	**(7,166.25)**
Prosperity 7152		
Debit		
1004 - Administration - General		
227 - Professional and Technical Services - VCGCD	$	(7,166.25)
TR-20240718-03-D	**$**	**(7,166.25)**
Operating	**$**	**(7,166.25)**
Prosperity 7152		
Debit		
1004 - Administration - General		
227 - Professional and Technical Services - VCGCD	$	(7,166.25)
TR-20240718-04-D	**$**	**(7,166.25)**
Operating	**$**	**(7,166.25)**
Prosperity 7152		
Debit		
1004 - Administration - General		
227 - Professional and Technical Services - VCGCD	$	(7,166.25)

Note: cash-basis accounting method used to develop reports.
Tab: Transaction Summary - List

TR-20240718-05-D	**$**	**(7,166.25)**
Operating	**$**	**(7,166.25)**
Prosperity 7152		
Debit		
1004 - Administration - General		
227 - Professional and Technical Services - VCGCD	$	(7,166.25)
TR-20240718-06-D	**$**	**(7,166.25)**
Operating	**$**	**(7,166.25)**
Prosperity 7152		
Debit		
1004 - Administration - General		
227 - Professional and Technical Services - VCGCD	$	(7,166.25)
TR-20240718-07-D	**$**	**(889.29)**
Operating	**$**	**(889.29)**
Prosperity 7152		
Debit		
1004 - Administration - General		
227 - Professional and Technical Services - VCGCD	$	(889.29)
TR-20240718-08-D	**$**	**(1,440.00)**
Operating	**$**	**(1,440.00)**
Prosperity 7152		
Debit		
1003 - Administration - Technology		
434 - Technology Services - Website and Email System	$	(1,440.00)
TR-20240718-11-D	**$**	**(1,648.57)**
Operating	**$**	**(1,648.57)**
Prosperity 7152		
Debit		
1004 - Administration - General		
223 - Professional and Technical Services - Appraisal District	$	(1,648.57)
TR-20240718-12-D	**$**	**(231.90)**
Operating	**$**	**(231.90)**
Prosperity 7152		
Debit		
1004 - Administration - General		
500 - Public Notices and Publications	$	(231.90)
TR-20240722-01-C	**$**	**20.00**
Reserve	**$**	**20.00**
Prosperity 9448		
Credit		
1001 - Administration - Revenue		
0145 - District Fees - Enforcement	$	20.00
TR-20240731-01-C	**$**	**1,592.14**

Note: cash-basis accounting method used to develop reports.
Tab: Transaction Summary - List

Reserve	**$**	**1,592.14**
Prosperity 9448		
Credit		
1001 - Administration - Revenue		
0130 - Interest Income	$	1,592.14
TR-20240731-02-C	**$**	**33.99**
Operating	**$**	**33.99**
Prosperity 7152		
Credit		
1001 - Administration - Revenue		
0130 - Interest Income	$	33.99
TR-20240731-03-C	**$**	**75,000.00**
Operating	**$**	**75,000.00**
Prosperity 7152		
Credit		
1004 - Administration - General		
0300 - Reserve Funds	$	75,000.00
TR-20240731-03-D	**$**	**(75,000.00)**
Reserve	**$**	**(75,000.00)**
Prosperity 9448		
Debit		
1004 - Administration - General		
0300 - Reserve Funds	$	(75,000.00)
TR-20240805-01-C	**$**	**944.95**
Reserve	**$**	**944.95**
Prosperity 9448		
Credit		
1001 - Administration - Revenue		
0120 - Tax Collections	$	944.95
TR-20240809-11-D	**$**	**(810.00)**
Operating	**$**	**(810.00)**
Prosperity 7152		
Debit		
1004 - Administration - General		
210 - Legal Services	$	(810.00)
TR-20240812-01-D	**$**	**(711.50)**
Operating	**$**	**(711.50)**
Prosperity 7152		
Debit		
1003 - Administration - Technology		
420 - Technology Services - Office Productivity	$	(11.73)
430 - Technology Services - Miscellaneous	$	(411.43)
432 - Technology Services - Digital Record and Workflow System	$	(74.62)

433 - Technology Services - Record Archival System	$	(57.56)
435 - Technology Services - Phone System	$	(49.36)
436 - Technology Services - Internet	$	(106.80)
TR-20240815-01-D	**$**	**(810.00)**
Operating	**$**	**(810.00)**
Prosperity 7152		
Debit		
1004 - Administration - General		
210 - Legal Services	$	(810.00)
TR-20240816-01-C	**$**	**20.00**
Reserve	**$**	**20.00**
Prosperity 9448		
Credit		
1001 - Administration - Revenue		
0145 - District Fees - Enforcement	$	20.00
TR-20240831-01-C	**$**	**1,450.35**
Reserve	**$**	**1,450.35**
Prosperity 9448		
Credit		
1001 - Administration - Revenue		
0130 - Interest Income	$	1,450.35
TR-20240831-02-C	**$**	**58.63**
Operating	**$**	**58.63**
Prosperity 7152		
Credit		
1001 - Administration - Revenue		
0130 - Interest Income	$	58.63
TR-20240903-01-D	**$**	**(7,166.25)**
Operating	**$**	**(7,166.25)**
Prosperity 7152		
Debit		
1004 - Administration - General		
227 - Professional and Technical Services - VCGCD	$	(7,166.25)
TR-20240903-02-D	**$**	**(7,166.25)**
Operating	**$**	**(7,166.25)**
Prosperity 7152		
Debit		
1004 - Administration - General		
227 - Professional and Technical Services - VCGCD	$	(7,166.25)
TR-20240903-03-D	**$**	**(7,166.25)**
Operating	**$**	**(7,166.25)**
Prosperity 7152		
Debit		

1004 - Administration - General		
227 - Professional and Technical Services - VCGCD	$	(7,166.25)
TR-20240903-04-D	**$**	**(2,000.00)**
Operating	**$**	**(2,000.00)**
Prosperity 7152		
Debit		
8000 - Groundwater Resource Planning		
360 - Sponsorships and Cost-Sharing	$	(2,000.00)
TR-20240903-05-D	**$**	**(150.00)**
Operating	**$**	**(150.00)**
Prosperity 7152		
Debit		
1004 - Administration - General		
500 - Public Notices and Publications	$	(150.00)
TR-20240903-06-D	**$**	**(150.00)**
Operating	**$**	**(150.00)**
Prosperity 7152		
Debit		
1004 - Administration - General		
500 - Public Notices and Publications	$	(150.00)
TR-20240903-07-D	**$**	**(157,000.00)**
Operating	**$**	**(157,000.00)**
Prosperity 7152		
Debit		
1004 - Administration - General		
227 - Professional and Technical Services - VCGCD	$	(157,000.00)
TR-20240903-10-D	**$**	**(9,500.00)**
Operating	**$**	**(9,500.00)**
Prosperity 7152		
Debit		
1004 - Administration - General		
221 - Professional and Technical Services - Auditor	$	(9,500.00)
TR-20240906-01-C	**$**	**200,000.00**
Operating	**$**	**200,000.00**
Prosperity 7152		
Credit		
1004 - Administration - General		
0300 - Reserve Funds	$	200,000.00
TR-20240906-01-D	**$**	**(200,000.00)**
Reserve	**$**	**(200,000.00)**
Prosperity 9448		
Debit		
1004 - Administration - General		

0300 - Reserve Funds	$	(200,000.00)
TR-20240909-01-C	**$**	**864.48**
Reserve	**$**	**864.48**
Prosperity 9448		
Credit		
1001 - Administration - Revenue		
0120 - Tax Collections	$	864.48
TR-20240930-01-C	**$**	**958.67**
Reserve	**$**	**958.67**
Prosperity 9448		
Credit		
1001 - Administration - Revenue		
0130 - Interest Income	$	958.67
TR-20240930-02-C	**$**	**113.66**
Operating	**$**	**113.66**
Prosperity 7152		
Credit		
1001 - Administration - Revenue		
0130 - Interest Income	$	113.66
TR-20240930-03-C	**$**	**2,195.09**
Reserve	**$**	**2,195.09**
CD# 0515		
Credit		
1001 - Administration - Revenue		
0130 - Interest Income	$	2,195.09
TR-20240930-04-C	**$**	**2,132.79**
Reserve	**$**	**2,132.79**
CD# 0517		
Credit		
1001 - Administration - Revenue		
0130 - Interest Income	$	2,132.79
(blank)		
(blank)		
(blank)		
(blank)		
(blank)		
Grand Total	**$**	**(2,022.17)**

Note: cash-basis accounting method used to develop reports.
Tab: Transaction Summary - List

TGCD - Adm - FM - Internal Control Review Reports - ICRR-20241031-01 - October 2024

TexanaGroundwater Conservation DistrictInternal Control Review Report

Reporting Period Start: 10/1/24
Reporting Period Stop: 10/31/24

Related Documentation
TGCD - Adm - FM - Financial Registry - FY2024 - Check Out 20241230.0937 CPD - Check In 20250113.1358 CPD

Bank Statement Links:

1. TGCD - Adm - FM - Bank Statements - BS-20240930-03 - CD# 0515 - RECONCILED
2. TGCD - Adm - FM - Bank Statements - BS-20240930-04 - CD# 0517 - RECONCILED
3. TGCD - Adm - FM - Bank Statements - BS-20241031-01 - Prosperity 9448 - RECONCILED
4. TGCD - Adm - FM - Bank Statements - BS-20241031-02 - Prosperity 7512 - RECONCILED

List of UNPAID Accounts Payable (ACCTPs) Note Links:

1.

List of UNPAID Accounts Receivable (ACCTRs) Note Links:

List of VOIDED Check Note Links:

List of CANCELLED Transaction Note Links:

List of COLLATERAL RECORD Note Links:

1. TGCD - Adm - FM - Collateral Records - CR-20241031-01 - Prosperity Bank - October 2024

List of DISPUTED and UNPAID Accounts Payable (ACCTPs)Notes:

List of DISPUTED and UNPAID Accounts Receivable (ACCTRs)Notes:

Internal Control Review

Question #1: Are bank statements and reconciliation forms consistent and balanced? Yes
Comments:

Question#2: Are dual signatures present on all checks? Yes
Comments:

Question#3: Are all expenditures associated with employees, including credit card expenditures, or contractors appropriate and properly authorized? Yes
Comments:

Question#4: Are all electronic transactions (drafts and transfers) appropriate and properly documented? Yes
Comments:

Question#5: Are all voided checks properly marked and recorded?
Comments: N/A

Question#6: Does the market valueof the pledged collateral and FDIC insurance exceed the total of investments per banking institution? Yes
Comments:

Question#7: Do the external financial recordscomport with internal financial records of the District? Yes
Comments:

PDF of Executed Report:

Caitlynn Davenport

Note Template Link: TGCD - Adm - FM - Internal Control Review Reports - ICRR-YYYYMMDD-SQ

Institution	Type	CUSIP	Description	Safekeeping Location	Safekeeping Receipt	Credit Rating	Market Value
Prosperity Bank	FDIC Insurance - Demand Deposits	N/A	N/A	N/A		N/A	$ 250,000.00
Prosperity Bank	FDIC Insurance - Time Deposits	N/A	N/A	N/A		N/A	$ 250,000.00
Prosperity Bank	Pledged Collateral	3138WDYL9	FNMA #AS4314	FHLB		AA+	$ 463,912.48
Prosperity Bank	Pledged Collateral	3138X6MR3	FNMA CRA #AU6667	FHLB		AA+	$ 85,805.18
Prosperity Bank	Pledged Collateral	3133KYUZ0	FR #RB5100	FHLB		AA+	$ -
Prosperity Bank	Pledged Collateral	31418DZ54	FNMA #MA4363	FHLB		AA+	$ 446,753.01
Prosperity Bank	Pledged Collateral	31417DY56	FNMA #AB7031	FHLB		AA+	$ -
Prosperity Bank	Pledged Collateral	3132D6AC4	FR #SB8103	FHLB		AA+	$ 114,203.95
Total							**$ 1,610,674.62**

The funds of the District are adquately protected by FDIC Insurance and pledged collateral.

Note: cash-basis accounting method used to develop reports.
Tab: Collateral Report

Bank Account	Account Statement	Reconciled Bank Statement	Fund	Reported Balance as of the Start of the Fiscal Year	Total of Recorded Credit Transactions for Fiscal Year	Total of Recorded Debit Transactions for Fiscal Year	Calculated Balance	Current Reported Balance	Unreconciled Amount
Prosperity 9448	Prosperity 9448 : BS-20241031-01: DATE: 10/31/2024	BS-20241031-01	Reserve	$ 322,303.22	$ 1,445.16	$ -	$ 323,748.38	$ 323,748.38	$ -
Prosperity 7152	Prosperity 7152 : BS-20241031-02: DATE: 10/31/2024	BS-20241031-02	Operating	$ 59,912.09	$ 43.13	$ -	$ 59,955.22	$ 59,955.22	$ -
CD# 0515	CD# 0515 : BS-20240930-03: DATE: 09/30/2024	BS-20240930-03	Reserve	$ 262,870.51	$ -	$ -	$ 262,870.51	$ 262,870.51	$ -
CD# 0517	CD# 0517 : BS-20240930-04: DATE: 09/30/2024	BS-20240930-04	Reserve	$ 262,490.14	$ -	$ -	$ 262,490.14	$ 262,490.14	$ -
Total				**$ 907,575.96**	**$ 1,488.29**	**$ -**	**$ 909,064.25**	**$ 909,064.25**	**$ -**

Note: cash-basis accounting method used to develop reports.
Tab: Account Reconciliation Report

Budget Program	Budget Amount	Budget Amendment Recommendation - Mid Year	Budget Amendment Recommendation - End of Year	Budget Amount (Amended)	Transaction Total	Budget Balance
1001 - Administration - Revenue	$ 276,400.00	$ -	$ -	$ 276,400.00	$ 1,488.29	$ (275,000.00)
1003 - Administration - Technology	$ (10,900.00)	$ -	$ -	$ (10,900.00)	$ -	$ 10,900.00
1004 - Administration - General	$ (155,300.00)	$ -	$ -	$ (155,300.00)	$ -	$ 155,300.00
2000 - Groundwater Conservation	$ (1,500.00)	$ -	$ -	$ (1,500.00)	$ -	$ 1,500.00
3000 - Groundwater Management	$ (5,000.00)	$ -	$ -	$ (5,000.00)	$ -	$ 5,000.00
4000 - Groundwater Monitoring	$ (13,100.00)	$ -	$ -	$ (13,100.00)	$ -	$ 13,100.00
5000 - Groundwater Policy	$ -	$ -	$ -	$ -	$ -	$ -
6000 - Groundwater Protection	$ (5,500.00)	$ -	$ -	$ (5,500.00)	$ -	$ 5,500.00
8000 - Groundwater Resource Planning	$ (2,500.00)	$ -	$ -	$ (2,500.00)	$ -	$ 2,500.00
Total	**$ 82,600.00**	**$ -**	**$ -**	**$ 82,600.00**	**$ 1,488.29**	**$ (81,200.00)**

Note: cash-basis accounting method used to develop reports.
Tab: Budget Performance by Program

Budget Category	Budget Amount	Budget Amendment Recommendation - Mid Year	Budget Amendment Recommendation - End of Year	Budget Amount (Amended)	Transaction Total	Budget Balance
0120 - Tax Collections	$ 275,800.00	$ -	$ -	$ 275,800.00	$ 543.17	$ (275,300.00)
0130 - Interest Income	$ 600.00	$ -	$ -	$ 600.00	$ 945.12	$ 400.00
0143 - District Fees - Permitting	$ -	$ -	$ -	$ -	$ -	$ -
0145 - District Fees - Enforcement	$ -	$ -	$ -	$ -	$ -	$ -
0150 - Grants	$ -	$ -	$ -	$ -	$ -	$ -
0160 - Refunds	$ -	$ -	$ -	$ -	$ -	$ -
0300 - Reserve Funds	$ -	$ -	$ -	$ -	$ -	$ -
210 - Legal Services	$ (15,000.00)	$ -	$ -	$ (15,000.00)	$ -	$ 15,000.00
215 - Legislative and Administrative Action Representation Services	$ -	$ -	$ -	$ -	$ -	$ -
220 - Professional and Technical Services	$ -	$ -	$ -	$ -	$ -	$ -
221 - Professional and Technical Services - Auditor	$ (10,000.00)	$ -	$ -	$ (10,000.00)	$ -	$ 10,000.00
222 - Professional and Technical Services - Tax Assessor	$ (1,000.00)	$ -	$ -	$ (1,000.00)	$ -	$ 1,000.00
223 - Professional and Technical Services - Appraisal District	$ (2,000.00)	$ -	$ -	$ (2,000.00)	$ -	$ 2,000.00
225 - Professional and Technical Services - Hydrogeologist	$ (20,000.00)	$ -	$ -	$ (20,000.00)	$ -	$ 20,000.00
226 - Professional and Technical Services - Laboratory	$ (1,000.00)	$ -	$ -	$ (1,000.00)	$ -	$ 1,000.00
227 - Professional and Technical Services - VCGCD	$ (121,500.00)	$ -	$ -	$ (121,500.00)	$ -	$ 121,500.00
230 - Insurance and Bonds	$ (2,300.00)	$ -	$ -	$ (2,300.00)	$ -	$ 2,300.00
310 - Supplies - Office	$ (1,500.00)	$ -	$ -	$ (1,500.00)	$ -	$ 1,500.00
315 - Certified Mail and Stamps	$ (500.00)	$ -	$ -	$ (500.00)	$ -	$ 500.00
330 - Training and Travel Expenses	$ (1,500.00)	$ -	$ -	$ (1,500.00)	$ -	$ 1,500.00
360 - Sponsorships and Cost-Sharing	$ (2,500.00)	$ -	$ -	$ (2,500.00)	$ -	$ 2,500.00
361 - Sponsorships and Cost-Sharing - Well Plugging	$ (500.00)	$ -	$ -	$ (500.00)	$ -	$ 500.00
362 - Sponsorships and Cost-Sharing - Borehole Logging	$ -	$ -	$ -	$ -	$ -	$ -
363 - Sponsorships and Cost-Sharing - Conservation Promotion	$ (1,500.00)	$ -	$ -	$ (1,500.00)	$ -	$ 1,500.00
380 - Aquifer Monitoring Network Development	$ -	$ -	$ -	$ -	$ -	$ -
410 - Equipment - Office	$ -	$ -	$ -	$ -	$ -	$ -
420 - Technology Services - Office Productivity	$ (1,500.00)	$ -	$ -	$ (1,500.00)	$ -	$ 1,500.00
430 - Technology Services - Miscellaneous	$ (500.00)	$ -	$ -	$ (500.00)	$ -	$ 500.00
432 - Technology Services - Digital Record and Workflow System	$ (1,200.00)	$ -	$ -	$ (1,200.00)	$ -	$ 1,200.00
433 - Technology Services - Record Archival System	$ (800.00)	$ -	$ -	$ (800.00)	$ -	$ 800.00
434 - Technology Services - Website and Email System	$ (1,600.00)	$ -	$ -	$ (1,600.00)	$ -	$ 1,600.00
435 - Technology Services - Phone System	$ (1,200.00)	$ -	$ -	$ (1,200.00)	$ -	$ 1,200.00
436 - Technology Services - Internet	$ (500.00)	$ -	$ -	$ (500.00)	$ -	$ 500.00
450 - Equipment Maintenance and Repair	$ (1,500.00)	$ -	$ -	$ (1,500.00)	$ -	$ 1,500.00
500 - Public Notices and Publications	$ (3,000.00)	$ -	$ -	$ (3,000.00)	$ -	$ 3,000.00
900 - Miscellaneous	$ (1,200.00)	$ -	$ -	$ (1,200.00)	$ -	$ 1,200.00
Total	**$ 82,600.00**	**$ -**	**$ -**	**$ 82,600.00**	**$ 1,488.29**	**$ (81,100.00)**

Note: cash-basis accounting method used to develop reports.
Tab: Budget Performance by Category

TGCD - Adm - FM - Internal Control Review Reports - ICRR-20241130-01 - November 2024

TexanaGroundwater Conservation DistrictInternal Control Review Report

Reporting Period Start: 11/1/24
Reporting Period Stop: 11/30/24

Related Documentation
TGCD - Adm - FM - Financial Registry - FY2024 - Check Out 20250113.1359 CPD - Check In 20250113.1430 CPD

Bank Statement Links:

1. TGCD - Adm - FM - Bank Statements - BS-20240930-03 - CD# 0515 - RECONCILED
2. TGCD - Adm - FM - Bank Statements - BS-20240930-04 - CD# 0517 - RECONCILED
3. TGCD - Adm - FM - Bank Statements - BS-20241130-01 - Prosperity 9448 - RECONCILED
4. TGCD - Adm - FM - Bank Statements - BS-20241130-02 - Prosperity 7512 - RECONCILED

List of UNPAID Accounts Payable (ACCTPs) Note Links:

1.

List of UNPAID Accounts Receivable (ACCTRs) Note Links:

List of VOIDED Check Note Links:

List of CANCELLED Transaction Note Links:

List of COLLATERAL RECORD Note Links:

1. TGCD - Adm - FM - Collateral Records - CR-20241130-01 - Prosperity Bank - November 2024

List of DISPUTED and UNPAID Accounts Payable (ACCTPs)Notes:

List of DISPUTED and UNPAID Accounts Receivable (ACCTRs)Notes:

Internal Control Review

Question #1: Are bank statements and reconciliation forms consistent and balanced? Yes
Comments:

Question#2: Are dual signatures present on all checks? Yes
Comments:

Question#3: Are all expenditures associated with employees, including credit card expenditures, or contractors appropriate and properly authorized? Yes
Comments:

Question#4: Are all electronic transactions (drafts and transfers) appropriate and properly documented? Yes
Comments:

Question#5: Are all voided checks properly marked and recorded?
Comments: N/A

Question#6: Does the market valueof the pledged collateral and FDIC insurance exceed the total of investments per banking institution? Yes
Comments:

Question#7: Do the external financial recordscomport with internal financial records of the District? Yes
Comments:

PDF of Executed Report:

Caitlynn Davenport

Note Template Link: TGCD - Adm - FM - Internal Control Review Reports - ICRR-YYYYMMDD-SQ

Institution	Type	CUSIP	Description	Safekeeping Location	Safekeeping Receipt	Credit Rating	Market Value
Prosperity Bank	FDIC Insurance - Demand Deposits	N/A	N/A	N/A		N/A	$ 250,000.00
Prosperity Bank	FDIC Insurance - Time Deposits	N/A	N/A	N/A		N/A	$ 250,000.00
Prosperity Bank	Pledged Collateral	3138WDYL9	FNMA #AS4314	FHLB		AA+	$ 451,929.46
Prosperity Bank	Pledged Collateral	3138X6MR3	FNMA CRA #AU6667	FHLB		AA+	$ 83,817.01
Prosperity Bank	Pledged Collateral	3133KYUZ0	FR #RB5100	FHLB		AA+	$ -
Prosperity Bank	Pledged Collateral	31418DZ54	FNMA #MA4363	FHLB		AA+	$ 436,893.91
Prosperity Bank	Pledged Collateral	31417DY56	FNMA #AB7031	FHLB		AA+	$ -
Prosperity Bank	Pledged Collateral	3132D6AC4	FR #SB8103	FHLB		AA+	$ 112,201.69
Total							**$ 1,584,842.07**

The funds of the District are adquately protected by FDIC Insurance and pledged collateral.

Note: cash-basis accounting method used to develop reports.
Tab: Collateral Report

Bank Account	Account Statement	Reconciled Bank Statement	Fund	Reported Balance as of the Start of the Fiscal Year	Total of Recorded Credit Transactions for Fiscal Year	Total of Recorded Debit Transactions for Fiscal Year	Calculated Balance	Current Reported Balance	Unreconciled Amount
Prosperity 9448	Prosperity 9448 : BS-20241130-01: DATE: 11/30/2024	BS-20241130-01	Reserve	$ 322,303.22	$ 2,543.18	$ -	$ 324,846.40	$ 324,846.40	$ -
Prosperity 7152	Prosperity 7152 : BS-20241130-02: DATE: 11/30/2024	BS-20241130-02	Operating	$ 59,912.09	$ 81.61	$ (6,235.91)	$ 53,757.79	$ 53,757.79	$ -
CD# 0515	CD# 0515 : BS-20240930-03: DATE: 09/30/2024	BS-20240930-03	Reserve	$ 262,870.51	$ -	$ -	$ 262,870.51	$ 262,870.51	$ -
CD# 0517	CD# 0517 : BS-20240930-04: DATE: 09/30/2024	BS-20240930-04	Reserve	$ 262,490.14	$ -	$ -	$ 262,490.14	$ 262,490.14	$ -
Total				**$ 907,575.96**	**$ 2,624.79**	**$ (6,235.91)**	**$ 903,964.84**	**$ 903,964.84**	**$ -**

Note: cash-basis accounting method used to develop reports.
Tab: Account Reconciliation Report

Budget Program	Budget Amount	Budget Amendment Recommendation - Mid Year	Budget Amendment Recommendation - End of Year	Budget Amount (Amended)	Transaction Total	Budget Balance
1001 - Administration - Revenue	$ 276,400.00	$ -	$ -	$ 276,400.00	$ 2,624.79	$ (273,800.00)
1003 - Administration - Technology	$ (7,300.00)	$ -	$ -	$ (7,300.00)	$ (909.21)	$ 6,400.00
1004 - Administration - General	$ (53,000.00)	$ -	$ -	$ (53,000.00)	$ (5,326.70)	$ 47,700.00
2000 - Groundwater Conservation	$ (18,700.00)	$ -	$ -	$ (18,700.00)	$ -	$ 18,700.00
3000 - Groundwater Management	$ (24,200.00)	$ -	$ -	$ (24,200.00)	$ -	$ 24,200.00
4000 - Groundwater Monitoring	$ (30,800.00)	$ -	$ -	$ (30,800.00)	$ -	$ 30,800.00
5000 - Groundwater Policy	$ (17,700.00)	$ -	$ -	$ (17,700.00)	$ -	$ 17,700.00
6000 - Groundwater Protection	$ (22,700.00)	$ -	$ -	$ (22,700.00)	$ -	$ 22,700.00
8000 - Groundwater Resource Planning	$ (19,800.00)	$ -	$ -	$ (19,800.00)	$ -	$ 19,800.00
Total	**$ 82,200.00**	**$ -**	**$ -**	**$ 82,200.00**	**$ (3,611.12)**	**$ (85,800.00)**

Note: cash-basis accounting method used to develop reports.
Tab: Budget Performance by Program

Budget Category	Budget Amount	Budget Amendment Recommendation - Mid Year	Budget Amendment Recommendation - End of Year	Budget Amount (Amended)	Transaction Total	Budget Balance
0120 - Tax Collections	$ 275,800.00	$ -	$ -	$ 275,800.00	$ 815.79	$ (275,000.00)
0130 - Interest Income	$ 600.00	$ -	$ -	$ 600.00	$ 1,809.00	$ 1,300.00
0143 - District Fees - Permitting	$ -	$ -	$ -	$ -	$ -	$ -
0145 - District Fees - Enforcement	$ -	$ -	$ -	$ -	$ -	$ -
0150 - Grants	$ -	$ -	$ -	$ -	$ -	$ -
0160 - Refunds	$ -	$ -	$ -	$ -	$ -	$ -
0300 - Reserve Funds	$ -	$ -	$ -	$ -	$ -	$ -
210 - Legal Services	$ (15,000.00)	$ -	$ -	$ (15,000.00)	$ (945.00)	$ 14,100.00
215 - Legislative and Administrative Action Representation Services	$ -	$ -	$ -	$ -	$ -	$ -
220 - Professional and Technical Services	$ -	$ -	$ -	$ -	$ -	$ -
221 - Professional and Technical Services - Auditor	$ (10,000.00)	$ -	$ -	$ (10,000.00)	$ -	$ 10,000.00
222 - Professional and Technical Services - Tax Assessor	$ (1,000.00)	$ -	$ -	$ (1,000.00)	$ -	$ 1,000.00
223 - Professional and Technical Services - Appraisal District	$ (2,000.00)	$ -	$ -	$ (2,000.00)	$ -	$ 2,000.00
225 - Professional and Technical Services - Hydrogeologist	$ (20,000.00)	$ -	$ -	$ (20,000.00)	$ -	$ 20,000.00
226 - Professional and Technical Services - Laboratory	$ (1,000.00)	$ -	$ -	$ (1,000.00)	$ -	$ 1,000.00
227 - Professional and Technical Services - VCGCD	$ (121,900.00)	$ -	$ -	$ (121,900.00)	$ -	$ 121,900.00
230 - Insurance and Bonds	$ (2,300.00)	$ -	$ -	$ (2,300.00)	$ (3,912.86)	$ (1,700.00)
310 - Supplies - Office	$ (1,500.00)	$ -	$ -	$ (1,500.00)	$ (167.24)	$ 1,400.00
315 - Certified Mail and Stamps	$ (500.00)	$ -	$ -	$ (500.00)	$ -	$ 500.00
330 - Training and Travel Expenses	$ (1,500.00)	$ -	$ -	$ (1,500.00)	$ -	$ 1,500.00
360 - Sponsorships and Cost-Sharing	$ (2,500.00)	$ -	$ -	$ (2,500.00)	$ -	$ 2,500.00
361 - Sponsorships and Cost-Sharing - Well Plugging	$ (500.00)	$ -	$ -	$ (500.00)	$ -	$ 500.00
362 - Sponsorships and Cost-Sharing - Borehole Logging	$ -	$ -	$ -	$ -	$ -	$ -
363 - Sponsorships and Cost-Sharing - Conservation Promotion	$ (1,500.00)	$ -	$ -	$ (1,500.00)	$ -	$ 1,500.00
380 - Aquifer Monitoring Network Development	$ -	$ -	$ -	$ -	$ -	$ -
410 - Equipment - Office	$ -	$ -	$ -	$ -	$ -	$ -
420 - Technology Services - Office Productivity	$ (1,500.00)	$ -	$ -	$ (1,500.00)	$ -	$ 1,500.00
430 - Technology Services - Miscellaneous	$ (500.00)	$ -	$ -	$ (500.00)	$ (397.77)	$ 200.00
432 - Technology Services - Digital Record and Workflow System	$ (1,200.00)	$ -	$ -	$ (1,200.00)	$ (74.62)	$ 1,200.00
433 - Technology Services - Record Archival System	$ (800.00)	$ -	$ -	$ (800.00)	$ (69.29)	$ 800.00
434 - Technology Services - Website and Email System	$ (1,600.00)	$ -	$ -	$ (1,600.00)	$ (242.46)	$ 1,400.00
435 - Technology Services - Phone System	$ (1,200.00)	$ -	$ -	$ (1,200.00)	$ -	$ 1,200.00
436 - Technology Services - Internet	$ (500.00)	$ -	$ -	$ (500.00)	$ (125.07)	$ 400.00
450 - Equipment Maintenance and Repair	$ (1,500.00)	$ -	$ -	$ (1,500.00)	$ -	$ 1,500.00
500 - Public Notices and Publications	$ (3,000.00)	$ -	$ -	$ (3,000.00)	$ (301.60)	$ 2,700.00
900 - Miscellaneous	$ (1,200.00)	$ -	$ -	$ (1,200.00)	$ -	$ 1,200.00
Total	**$ 82,200.00**	**$ -**	**$ -**	**$ 82,200.00**	**$ (3,611.12)**	**$ (85,400.00)**

Note: cash-basis accounting method used to develop reports.
Tab: Budget Performance by Category

ODEFEY, WITTE, WALL & VILLAFRANCA, LLP
Attorneys At Law

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Sandra Witte, *Partner*
Board Certified Property Owners Association Law
Texas Board of Legal Specialization
Carly W. Wall, *Partner*
John T. Villafranca, *Partner*
Dennis Arriaga, *Associate*

January 7, 2025

Texana Groundwater Conservation District
P. O. Box 1098
Edna, Texas 77957

Re: Formosa Plastics Corporation, Texas –
Tax Abatement

Presiding Officer Tupa:

On behalf of Formosa Plastics Corporation, Texas, I want to take time to thank you for your consideration of its request for tax abatement with Texana Groundwater Conservation District. I appreciate your time in trying to schedule a meeting with us. With that being said, at this time Formosa has asked me to withdraw their request for tax abatement on this project. We look forward to visiting with you again should future opportunities arise.

If you have any questions, please feel free to contact me.

Yours truly,

ODEFEY, WITTE, WALL & VILLAFRANCA, LLP

Anne Marie Odefey

AMO/tk

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JACKSON COUNTY

COURTHOUSE
115 W MAIN, ROOM 102
EDNA, TX 77957

Monica H. Foster
Tax Assessor-Collector

361-782-3473
FAX: 361-782-3645
M.FOSTER@CO.JACKSON.TX.US

Date: December 12, 2024

Dear Jackson County Taxing Entity:

Per Section 26.09 (e) of the Texas Property Tax Code, please find the amount of tax determined as provided by this section in the appraisal roll being submitted to the governing body of each taxing unit for approval.

I sincerely apologize for the extreme delay this tax year. The bills have been online all week and the statements are being put in the mail today. We will work hard to process your funds as they come in and pay them out.

Please review the enclosed 2024 Levy-Special Assessment Revenue certified by my office along with the Recap and Standings Report for the 2024 taxing year. I certify this amount is correct based on the certified roll from the Appraisal District (CAD) and any supplements processed by the CAD after certification, before levy process was completed. In comparison with the last supplement processed to the levy reports, the revenue amounts are correct.

Please accept, sign and date the certified levy and return it to my office in compliance with the Texas Property Tax Code. Keep a copy for your records along with the supporting documentation.

Respectfully,

Monica Foster

Monica H. Foster, PCC
Jackson County Tax Assessor-Collector
115 W. Main, Room 102
Edna, Texas 77957
Phone: 361-782-3473
Email: m.foster@co.jackson.tx.us

JACKSON COUNTY

COURTHOUSE
115 W MAIN, ROOM 102
EDNA, TX 77957

Monica H. Foster
Tax Assessor-Collector

361-782-3473
FAX: 361-782-3645
M.FOSTER@CO.JACKSON.TX.US

I, Monica H Foster, Tax Assessor-Collector for Texana Groundwater District , do hereby certify that the total **2024 Levy/Special Assessment Revenue is** **$ 275,299.33** as follows:

Levy Original:	$ 275,233.57
Special Assessment	$ 65.76

Monica H. Foster, Tax Assessor-Collector

12-10-24
Date

Accepted and approved this_____day of _____, 2024.

_____
By:

Recap & Standings Report

JACKSONPROD

Cycles: Cycle1 Taxing Units: City Of Edna... Deposit Date Range: 12/09/2024 to 12/09/2024 Sorted By: By Year, Ascending Options: Separate Rollbacks, Include

Jackson County

WTG (Texana Groundwater Conservation District)

2024 Fiscal Year: 10/01/2024 - 09/30/2025

MO

	Original Roll	Beg. Uncollected	Adjustments	Adjusted Uncollected	Collections	P&I Collected	Credits / Discounts Allowed	Atty. Fee Collected	Variance	Uncollected Balance	YTD Collections
2006 & prior	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2007	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2008	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2009	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2010	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2011	128,613.75	396.44	0.00	396.44	0.00	0.00	0.00	0.00	0.00	396.44	4.30
2012	136,617.74	400.92	0.00	400.92	0.00	0.00	0.00	0.00	0.00	400.92	9.12
2013	146,034.02	718.28	0.00	718.28	0.00	0.00	0.00	0.00	0.00	718.28	0.00
2014	156,694.95	529.43	0.00	529.43	0.00	0.00	0.00	0.00	0.00	529.43	0.00
2015	193,105.13	763.07	0.00	763.07	0.00	0.00	0.00	0.00	0.00	763.07	6.01
2016	188,566.50	878.21	0.00	878.21	0.00	0.00	0.00	0.00	0.00	878.21	6.31
2017	202,915.32	966.91	0.00	966.91	0.00	0.00	0.00	0.00	0.00	966.91	5.92
2018	222,858.83	1,040.08	0.00	1,040.08	0.00	0.00	0.00	0.00	0.00	1,040.08	6.96
2019	249,385.47	1,053.79	0.00	1,053.79	0.00	0.00	0.00	0.00	0.00	1,053.79	10.04
2020	247,350.92	1,284.48	0.00	1,284.48	0.00	0.00	0.00	0.00	0.00	1,284.48	22.22
2021	267,345.22	1,572.63	0.00	1,572.63	0.00	0.00	0.00	0.00	0.00	1,572.63	26.12
2022	268,732.16	1,884.78	0.00	1,884.78	0.00	0.00	0.00	0.00	0.00	1,884.78	-3,762.09
2023	277,120.10	3,475.14	0.00	3,475.14	0.00	0.00	0.00	0.00	0.00	3,475.14	-3,372.43
2024	275,233.57	236,760.23	38,473.34	275,233.57	0.00	0.00	0.00	0.00	0.00	275,233.57	0.00
2025	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2026	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Summary											
Total Current	275,233.57	236,760.23	38,473.34	275,233.57	0.00	0.00	0.00	0.00	0.00	275,233.57	0.00
Total Delinquent	2,685,340.11	14,964.16	0.00	14,964.16	0.00	0.00	0.00	0.00	0.00	14,964.16	-7,037.52
Rollbacks		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fee Type Total	2,960,573.68	251,724.39	38,473.34	290,197.73	0.00	0.00	0.00	0.00	0.00	290,197.73	-7,037.52

Combined Collections (Collections + P&I Collected) -- 0.00

Recap & Standings Report

JACKSONPROD

Cycles: **Cycle1** Taxing Units: **City Of Edna...** Deposit Date Range: **12/09/2024 to 12/09/2024** Sorted By: **By Year, Ascending** Options: **Separate Rollbacks, Include**

Jackson County

WTG (Texana Groundwater Conservation District)

2024 Fiscal Year: 10/01/2024 - 09/30/2025

Taxing Unit Totals (SAA,IS,MO,SA)

	Original Roll	Beg. Uncollected	Adjustments	Adjusted Uncollected	Collections	P&I Collected	Credits / Discounts Allowed	Atty. Fee Collected	Variance	Uncollected Balance	YTD Collections
2006 & prior	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2007	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2008	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2009	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2010	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2011	128,721.35	396.44	0.00	396.44	0.00	0.00	0.00	0.00	0.00	396.44	4.30
2012	136,792.64	400.92	0.00	400.92	0.00	0.00	0.00	0.00	0.00	400.92	9.12
2013	146,147.06	718.28	0.00	718.28	0.00	0.00	0.00	0.00	0.00	718.28	0.00
2014	156,895.67	529.43	0.00	529.43	0.00	0.00	0.00	0.00	0.00	529.43	0.00
2015	193,463.61	763.07	0.00	763.07	0.00	0.00	0.00	0.00	0.00	763.07	6.01
2016	188,620.21	878.21	0.00	878.21	0.00	0.00	0.00	0.00	0.00	878.21	6.31
2017	203,089.29	966.91	0.00	966.91	0.00	0.00	0.00	0.00	0.00	966.91	5.92
2018	222,963.06	1,040.08	0.00	1,040.08	0.00	0.00	0.00	0.00	0.00	1,040.08	6.96
2019	249,495.83	1,053.79	0.00	1,053.79	0.00	0.00	0.00	0.00	0.00	1,053.79	10.04
2020	247,591.77	1,284.48	0.00	1,284.48	0.00	0.00	0.00	0.00	0.00	1,284.48	22.22
2021	267,647.72	1,572.63	0.00	1,572.63	0.00	0.00	0.00	0.00	0.00	1,572.63	26.12
2022	269,041.14	1,884.78	0.00	1,884.78	0.00	0.00	0.00	0.00	0.00	1,884.78	-3,762.09
2023	277,174.37	3,475.14	0.00	3,475.14	0.00	0.00	0.00	0.00	0.00	3,475.14	-3,372.43
2024	275,299.33	236,760.23	38,473.34	275,233.57	0.00	0.00	0.00	0.00	0.00	275,233.57	0.00
2025	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2026	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Summary											
Total Current	275,299.33	236,760.23	38,473.34	275,233.57	0.00	0.00	0.00	0.00	0.00	275,233.57	0.00
Total Delinquent	2,687,643.72	14,964.16	0.00	14,964.16	0.00	0.00	0.00	0.00	0.00	14,964.16	-7,037.52
Rollbacks		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Taxing Unit Total	2,962,943.05	251,724.39	38,473.34	290,197.73	0.00	0.00	0.00	0.00	0.00	290,197.73	-7,037.52

Percentages

% of Roll Collected - 2024 - 0%	Adjusted Original Roll -- $275,233.57	Current YTD Collected -- $0.00
Tax Collections Compared to Current Taxes Billed 0% Collected		
All Collections Compared to Current Taxes Billed 0% Collected		
Combined Collections (Collections + P&I Collected) -- 0.00		