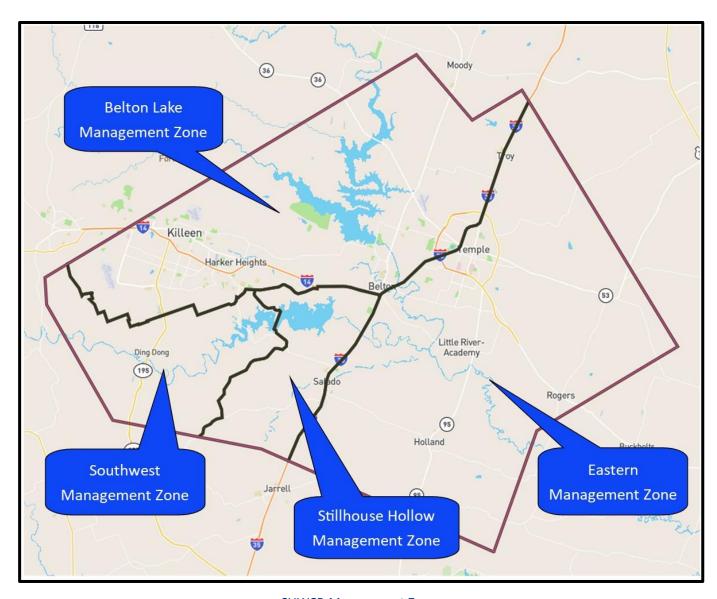
2022 ANNUAL REPORT



CUWCD Management Zones

Clearwater UWCD
Belton, Texas
www.cuwcd.org





District Mission Statement

Develop and implement an efficient, economical, and environmentally sound groundwater management program to protect and enhance the water resources of the District.

Clearwater Underground Water Conservation District Annual Report - Fiscal Year 2022

The Annual Report for Fiscal Year 2022 (FY22) is presented to the Directors of the Clearwater Underground Water Conservation District (CUWCD or District) by May of the following Fiscal Year (May 2023). This report summarizes the activities and accomplishments of the District during FY22 focusing on administrative tasks, management plan requirements, and miscellaneous activities. Most activities are based on the District's fiscal year; however, information dealing with well registration, permitting, and production are based on the 2022 calendar year.

2021-2022 Board of Directors



Jody Williams
Precinct 3

Gary Young Precinct 2

Leland Gersbach Precinct 1

David Cole At-Large

Scott Brooks Precinct 4

Contents

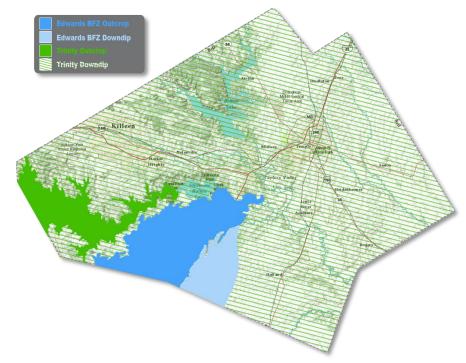
1.		Introduction	5
2.		Administrative Tasks	5
	Α.	Contracts / Agreements	6
		1. Technical Consulting Services.	6
		2. Legal Services	8
		3. Other Services	8
	В.	Financial Items	9
		1. Budget and Tax Rate	9
		2. Financial Audit	9
	C.	Miscellaneous Policies / Issues	10
		1. District Rule Amendments	.10
		2. Bylaws Revised	.10
	D.	Board of Directors	.10
		1. District Officers	.10
		2. Meetings – FY22 (Oct 2021-Sept 2022)	. 11
	Ε.	Groundwater Management Plan	. 11
3.		Groundwater Management Plan Requirements	11
	Α.	Providing the Most Efficient Use of Groundwater	.12
		1. Well Registrations	.12
		2. Permitted Well Applications	.12
		3. Groundwater Database	.13
		4. Annual Newsletter	. 18
	В.	Controlling and Preventing Waste of Groundwater	.19
	C.	Addressing Conjunctive Surface Water Management Issues	.19
		Addressing Natural Resource Issues Which Impact the Use and Availability of Groundwater, and which inpacted by the Use of Groundwater	
	Ε.	Addressing Drought Conditions	. 21
		1. Monitor Drought Conditions in the Edwards Aquifer	. 21
		2. Monitor Drought Conditions in the Trinity Aquifer	. 22
		Addressing Conservation, Recharge Enhancement, Rainwater Harvesting, Precipitation Enhancement, rush Control, Where Appropriate and Cost-Effective	
		1. Conservation	. 23
		2. Rainwater Harvesting	.24
		3. Brush Control	. 24
		4. Recharge Enhancement	24

5.		Summary	. 28
	C.	Internet Site	28
	В.	Bell County Water Symposium	27
	A.	Abandoned Wells	26
4.		Miscellaneous Activities	. 26
		2. (b) Changes in Water Levels	26
		2. (a) Static Water Level Measurements	26
		1. Salado Springs	25
	G.	Addressing in a Quantitative Manner the Desired Future Conditions of the Groundwater Resources	25

1. Introduction

The Clearwater Underground Water Conservation District was created by the State legislature in 1989 to manage the groundwater resources of Bell County. The District was approved by the voters of Bell County in August 1999 and opened its doors for business in February 2002. Clearwater's fiscal year runs from October 1st through September 30th. This report summarizes the accomplishments and activities of the District during FY22; but reflects registration, permitting, and production figures for the 2022 calendar year.

The District manages the groundwater resources from two major aquifers: The Trinity and The Edwards (BFZ) in Bell County, TX. The Trinity aquifer underlies all of Bell County and is below the Edwards (BFZ), while the Edwards (BFZ) is located in just the southern part of the county.



The Trinity aquifer is comprised of three water bearing layers within the boundaries of Bell County. These layers are the Upper Trinity (Glen Rose), Middle Trinity (Hensell), and Lower Trinity (Hosston). Other water bearing formations in Bell County are Alluvium, Austin Chalk, Buda, Edwards Equivalent, Kemp, Lake Waco, Ozan, and Pecan Gap.

2. Administrative Tasks

Administrative tasks include internal administrative activities necessary for a groundwater district to function effectively. Groundwater Management Plan requirements include the required tasks and activities identified in the District's Groundwater Management Plan. Miscellaneous activities include other activities and programs that have been an integral part of the District but are not required by the Groundwater Management Plan.

A. Contracts / Agreements

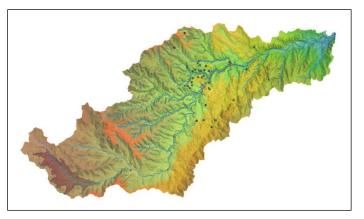
1. Technical Consulting Services

LRE Water, LLC / Advanced Groundwater Solutions, LLC / R.W. Harden & Associates

Since FY19, Clearwater UWCD has maintained a professional services contract with LRE Water, LLC, which provides administrative and technical reviews of drilling and operating permits and investigative analysis of aquifer conditions and well construction complaints. This professional services contract has continued in FY20, FY21, and FY22. In April 2021, the Board of Directors voted to transition to a professional services contract with Advanced Groundwater Solutions, LLC for technical representation of the District in GMA 8. The professional services contract continued in FY22. On January 1, 2022, the District extended a professional services contract to Mike Keester, P.G. with R.W. Harden & Associates.

Allan R. Standen, LLC

Clearwater UWCD continued a professional services contract with Allan R. Standen, LLC for general consulting services and the annual update of our 3D model. The 2022 3D model updates included the addition of new geophysical and well drilling logs from throughout the county. Updating our model on an annual basis allows for a more accurate analysis and use of this tool by district staff, consulting hydrogeologists, and landowners for well development and prognosis of the



Salado Creek Watershed from Bell County 3D Groundwater Model

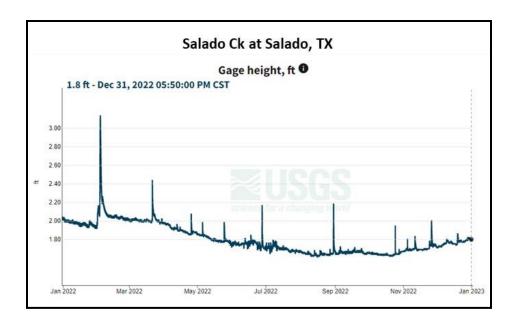
aquifer depths prior to drilling. The tool also continues to assist the district in source aquifer determination of newly drilled wells. The District was notified in September 2022 of the pending acquisition of Allan R. Standen, LLC by LRE Water, LLC. The District anticipates LRE Water will maintain the 3D modeling.

LRE Water, LLC

In September 2021, the District began working with LRE Water, LLC to develop a new data management system. This system went live in January 2022. This GIS platform allows the District web-based access to the entire database of wells that has been compiled through the years. All well information is available online to staff as well as the public. Some of the information available includes well latitude and longitude, along with ground level elevation of the well head and total depth of well. LRE Water, LLC continues technical support and hosting of the District's online GIS website.

U. S. Geological Survey, Texas Water Science Survey

During the spring of 2013, the USGS gauging system was installed in the Salado Creek, and the process of analyzing the data and recalibrating the system began. Throughout 2022, the system was continuously fine-tuned to ensure the accuracy of the data collected. This gauging system and relationship with the USGS have proved to be an important step forward in monitoring spring flow, both now and well into the future. The image below shows the 2022 streamflow data taken by the gauging system in Salado Creek. The live data can be found online on our website: http://www.cuwcd.org/salado-springs/salado-creek-gauges/



Baylor University, Department of Geology

Clearwater UWCD continues to contract with the Department of Geology at Baylor University to conduct research projects. These research projects have provided a deeper understanding of the Northern Segment of the Edwards BFZ Aquifer. An enhanced scientific understanding of the Northern Segment of the Edwards BFZ Aquifer provides insight to CUWCD and community stakeholders, as well as support collaboration between the district and community in future decision-making processes that will be impacted by the Endangered Species Act.

In FY19, the District jointly contracted with Wellntel and Baylor University to deploy a groundwater-level monitoring network in the District to complement ongoing monitoring in the Middle Trinity aquifer. The goal of this program is to gain experience in how the Wellntel technology works and to become familiar with the data management and analytical capabilities, and to demonstrate how the instrumentation of private wells pumping in the Middle Trinity aquifer can provide insight into the stress experienced by the aquifer, over and above what is being seen by dedicated monitoring wells. This joint effort continued in FY20, FY21, and FY22.

In FY22, Baylor University continued to support aquifer tests of the Middle and Lower Trinity Aquifer system in order to participate in the delineation of potential management areas/zones within Bell County.

The studies the District has funded can be found on our website: http://www.cuwcd.org/aquifer-science/edwards-bfz-aquifer/

2. Legal Services

The District requests legal consulting services on an as-needed basis and utilizes Lloyd Gosselink Rochelle & Townsend, P.C. (LGRT) for consultation. LGRT was the District's sole advisor during FY22 which included the following issues:

- Research and guidance on permitting issues, spacing issues, rule interpretation, public hearing notices, meeting cancellation notices, conservation easements and topics allowed for discussion in closed session.
- Representation of groundwater districts at Texas Water Conservation Association Groundwater Sub-Committee on Desired Future Conditions.
- Research and guidance on the listing of the Salado Salamander, the process for comments and
- Research and guidance on the future development of a Regional Habitat Conservation Plan with Bell and Coryell Counties and 10 public entities.

3. Other Services

Clearwater UWCD Funding of Reimbursable Task Order on behalf of the former Bell County Adaptive Management Coalition

The Board entered into an interlocal agreement beginning in fiscal year 2012 that continued into fiscal year 2021. CUWCD, the Bell County Commissioners Court, Village of Salado, Salado Water Supply Corporation, Temple Area Builders Association and Billie Hanks, Jr. have collectively contributed \$639,210.60 since 2012 to evaluate current science and to develop new science regarding the Edwards (BFZ) aquifer and the Salado Salamander habitat. Total expenditures for FY12 – FY21 are \$615,903.07 leaving a balance of \$23,307.53 to fund the FY22 studies. Funding has continued since 2015 by reimbursable task order to fund Pete Diaz's work on specie assessment. The District defends the position that regulating mechanisms are in place (by CUWCD) on spring flow to protect the specie. The efforts for 2023 will no longer be covered by Clearwater as the team is pursuing grant funds for continuation.

BelCor Karst Coalition

The BelCor Karst Coalition currently is working with Blanton & Associates, a division of ICF, for the development of a two-county regional habitat conservation plan (RHCP). The entities entered into an interlocal agreement to pursue a section 6 grant from USFWS & TPWD. The entities named Dirk Aaron as project manager as approved by the Board of Directors. The entities are Bell County, Coryell County, Clearwater UWCD, Brazos River Authority, Middle Trinity GCD, Cities of Belton, Temple, Harker Heights, Killeen, Copperas Cove, Salado, and Gatesville.

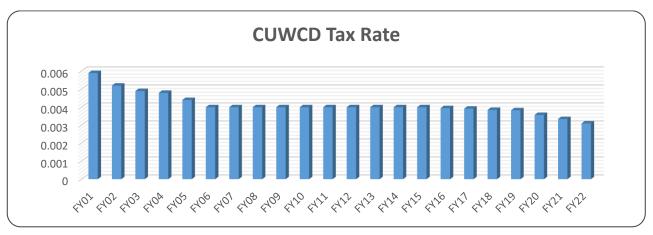
Ludwick, Montgomery & Stapp, P.C.

An annual audit of the District's finances is required by Chapter 36.153 of the Texas Water Code to determine the financial condition of the district. Ludwick, Montgomery & Stapp, P.C., Certified Public Accountants located in Temple, Texas provides the annual financial audit for the District. For more information, see section "B.2 Financial Audit" later in this report.

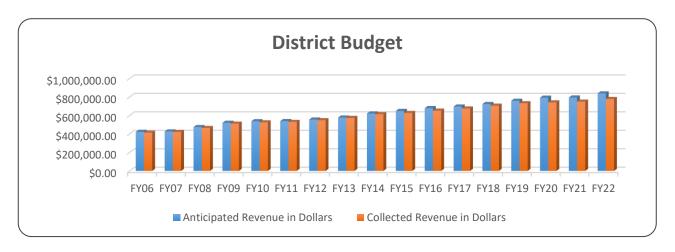
B. Financial Items

1. Budget and Tax Rate

The adopted tax rate for FY22 was \$0.0031/\$100 valuation. The Board voted to lower the tax rate for the seventh consecutive year. Since the inception of the District, the Board has consistently lowered or kept the same tax rate since it began assessing taxes. Three workshops (June, July, and August) were held in 2021 to develop an operating budget for the upcoming fiscal year (FY22) and to set the corresponding ad valorem tax rate.



The original budget for FY22 was \$839,606.00, actual income collected was \$778,970.769. The District had an additional income of \$50,000 from the sale of District property. The adjusted income for FY22 was \$828,970.76. The total expenditures for FY22 were \$717,690.36. The gross return to fund balance was \$111,280.40 with a less sale of assets (property) of \$50,000.00 and a net return to fund balance of \$61,280.40.



The approved budget for FY22, along with the schedule of revenues and expenditures is attached as Appendix A.

Online: http://www.cuwcd.org/public-records/cuwcd-budget/

2. Financial Audit

An annual audit of the District's finances is required by Chapter 36.153 of the Texas Water Code to determine the financial condition of the District. Ludwick, Montgomery & Stapp, P.C., Certified Public Accountant, located in Temple, Texas provided the 2022 annual financial audit for the

District. The audit began immediately at the closing of FY22 on September 30, 2022, and they concluded their audit and submitted their findings to the District in February 2023.

See Appendix B for FY22 Financial Audit.

Online: http://www.cuwcd.org/public-records/audits/

C. Miscellaneous Policies / Issues

1. District Rule Amendments

The Board of Directors amended the District Rules in November 2022 in accordance with Chapter 36 requiring public notice, a public hearing, and Board approval. The Board of Directors voted to amend the rules based on scientific evidence that validated a need for such changes in aquifer management, policy and application.

See our website for complete rules: http://www.cuwcd.org/regulatory-program/district-rules/

2. Bylaws Revised

At the time the District Rules were amended in 2016, the rules that addressed the operations of the District were deleted and moved to the Bylaws. The Board of Directors approved the amendments to the Bylaws by resolution on April 13, 2016.

See our website for complete Bylaws: http://www.cuwcd.org/district-overview/bylaws/

D. Board of Directors

1. District Officers

The Board of Directors, per District bylaws, elect officers annually at the first board meeting of the calendar year. The FY 2022 Officers are identified below, along with the office they held and precinct they represent. The map to the right is a

map of the Bell County Commissioner Precincts which also serves

as the precinct boundaries for the District.

Leland Gersbach, President – Precinct 1

David Cole, Vice President – At Large

Gary Young, Secretary – Precinct 2

Jody Williams, Director – Precinct 3

Scott Brooks, Director – Precinct 4

Commissioner Precinct #1

2. Meetings – FY22 (Oct 2021-Sept 2022)

The Board of Directors held 13 Board meetings in FY22. The Workshops and regular Board meeting agendas included discussions and presentations on the topics listed below.

- Presentations by USGS Water Science Group
- Presentations by Baylor University regarding the current status of the Edwards (BFZ) Aquifer and the Trinity Aquifer
- Legislative updates
- Conduct hearings on drilling and operating permits
- Salado Salamander issues as it pertains to CUWCD's governance of groundwater

All board meeting agendas, minutes, and financial reports can be viewed online by visiting http://www.cuwcd.org/public-records/

E. Groundwater Management Plan

Texas Water Code, Chapter 36.1071--36.1073, states the Groundwater Management Plan (GMP) must be reviewed and readopted every 5 years by all GCDs in Texas. The plan is then subject to approval by the Texas Water Development Board (TWDB). Clearwater's Initial Groundwater Management Plan was adopted by the District Board of Directors on October 24, 2000 and was formally certified by TWDB on February 21, 2001.

Revisions are required every 5-years, even if simply updated with new DFC's. During each revision, the proposed GMP must go through staff evaluation and a minimum of one preliminary review by the Texas Water Development Board (TWDB). The previous GMP was amended to include the DFC/MAG revisions and was formally readopted by the Board of Directors on January 9, 2019, after the prescribed public hearing on the revised version and was approved by TWDB on March 12, 2019.

The District was still required to review and update the current plan in 2020 and have it readopted by TWDB prior to January 13, 2021. The District completed a full review and formally adopted the revised plan on November 11, 2020, and received final approval from TWDB on December 30, 2020.

The District Groundwater Management Plan can be found on CUWCD's website at: http://www.cuwcd.org/district-overview/management-plan/

4. Groundwater Management Plan Requirements

The District Groundwater Management Plan identifies the goals and objectives of the District and provides performance standards and tracking methods to measure the District's effectiveness in meeting these goals. The District goals are mandated by Texas Water Code Chapter 36, Section 36.1071. Although all groundwater conservation districts are subject to these goals, each district chooses how to best implement the goals within their district by establishing their own objectives and performance standards.

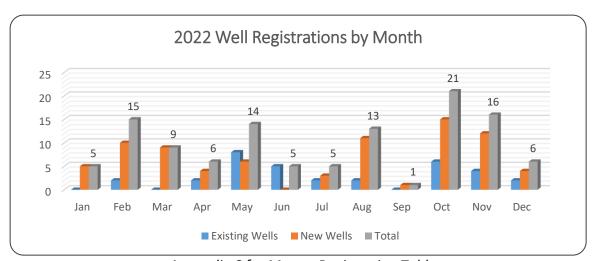
A. Providing the Most Efficient Use of Groundwater

1. Well Registrations

Objective: Each year, CUWCD will require the registration of all wells within the District's jurisdiction.

Objective Satisfied

During the calendar year 2022, 116 wells were registered. The tables below summarize well registration and permitting activity from January 1, 2022, through December 31, 2022. Since 2018, District Staff has been conducting a robust search of all TWDB and TCEQ databases to identify wells that have not been properly registered. The District's field technician follows up with landowners to properly get the unregistered wells registered in the District's database. During the calendar year 2022, 33 existing wells (blue columns) were registered and 83 new wells (orange columns) were registered.



Appendix C for Master Registration Table

2. Permitted Well Applications

Objective: Each year, CUWCD will require permits for all non-exempt use of groundwater in the District as defined in the District rules, in accordance with adopted procedures.

Objective Satisfied

Of the 116 wells registered in 2022, only 4 of those were classified as non-exempt. The Table below summarizes the non-exempt wells or permits that were approved during 2022 and the corresponding permits that were issued where applicable.

Non-Exempt Permitted Well Registrations for 2022 Calendar Year

Well #	Land Owner	Ac-Ft / Year	Aquifer	Use	Permit Type
N2-22-001P	Aria Prairie	N/A	Edwards BFZ	Domestic	Drilling
N2-22-002P	Scott Gillman	0.389	Middle Trinity	Domestic	Drilling & Operating

N2-22-003P Big Elm RV Resort N/A Middle Trinity Public Supply Drilling

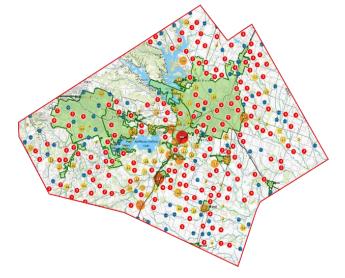
3. Groundwater Database

Objective: Each year, CUWCD will maintain a groundwater database to include information relating to well location, production volume, and other pertinent information deemed necessary by the District to enable effective monitoring of groundwater in Bell County.

Objective Satisfied

District GIS Database

In August of 2021, the Board of Directors voted to move the online GIS system to LRE Water, LLC from Halff Associates, Inc. Since September 2021, staff



has been diligently working with the database programmers of LRE Water, LLC to develop the new data management system that went live in January 2022 and replaced the Halff Associates, Inc. GIS system.

Every well registered in the District is available on our database with latitude and longitude coordinates and the elevation of the land surface at the well head. With the well information, the District can attach production and permit information along with other pertinent data.

The public maps are available on the District website's homepage, or by going to the following web address and clicking on Public Access Maps: http://www.cuwcd.org/

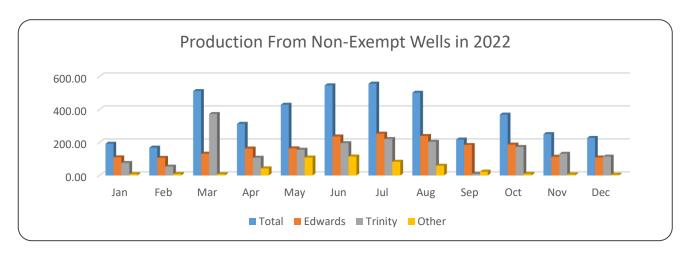
Non-exempt Well Production

The District continued collecting data from non-exempt wells during 2022. Monthly production reports are required by the 5th day of the following month for all wells with operating permits. The tables below show the total permitted amount for the non-exempt wells and their total production. In 2022, actual water production figures were significantly lower than the amount permitted. Part of this is due to the issuance of Historic and Existing Use Permits (HEUP). The HEUPs are issued for the full permit amount, regardless of whether the permittee will be using this amount during the year.

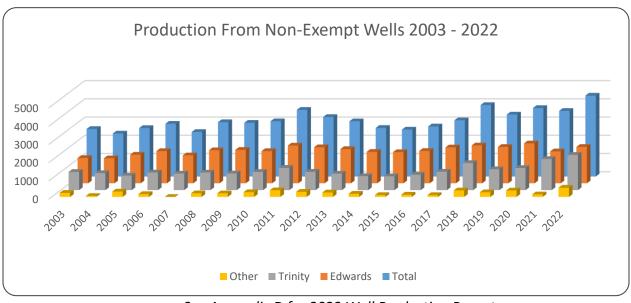
2022 Permitted Wells

	Permitted Ac-Ft	# Permitted Wells	Actual Use Ac-Ft	# Active Permitted Wells	% Usage
Edwards (BFZ)	2,459.08	61	1,995.86	49	81.16%
Trinity (total)	4,992.31	72	1,933.56	57	40.77%
Glen Rose	134.63	7	23.79	6	17.67%
Hensell	467.07	34	67.06	25	14.36%
Hosston	4,390.61	31	1,842.71	26	41.97%
Other Aquifers	579.37	22	503.99	14	86.99%
Total	8,030.76	155	4,433.41	120	55.21%

The following chart shows 2022 production by month and aquifer. Production was at its highest level during the month of July with a monthly withdrawal of 556.55 ac-ft. Throughout the year, withdrawals from the Edwards BFZ were consistently higher than from the Trinity aquifer. Production from other source formations was minimal throughout the year. Production from other source formations is higher during summer months which reflects agriculture irrigation necessary at that time of year.



In the graph on the following page, production from 2022 (120 wells) is shown compared to production in years 2003 through 2021. Overall production in 2022 was 4,433.41 ac-ft which is slightly higher than the total production in 2021. The Edwards (BFZ) had a total production for 2022 of 1,995.86 ac-ft, total Trinity aquifer production was 1,933.56 ac-ft, and other formations produced 503.99 ac-ft of water.



See Appendix D for 2022 Well Production Report

Groundwater Transport

During 2021, six entities in Bell County transported groundwater outside the District. A total transport of 70.80 ac-ft. occurred from the Edwards BFZ aquifer and 95.40 ac-ft. from the Trinity aquifer. The District is allowed by state law to charge a transport fee of \$0.025/1,000 gallons transported. This generated a total revenue of \$1,353.87 for 2022.

Entity	Aquifer	County	Ac-Ft	Gallons	Fee
Bell-Milam-Falls WSC	Lower Trinity	Falls, Milam, Williamson	37.12	12,096,180	\$302.40
Central Texas WSC	Lower Trinity	Falls, Milam	53.54	17,444,982	\$436.12
East Bell WSC	Lower Trinity	Falls	1.79	583,875	\$14.60
Jarrell-Schwertner WSC	Edwards (BFZ)	Williamson	70.80	23,070,854	\$576.77
Little Elm Valley WSC	Lower Trinity	Falls	2.49	810,712	\$20.27
O&B WSC	Lower Trinity	Falls	0.46	148,594	\$3.71
		TOTAL	166.20	54,155,197	\$1,353.87

Water Loss in Public Water Systems

The District tracks water loss of all public water supply systems in Bell County that utilize groundwater. Real Losses, also referred to as physical losses, are actual losses of water from the system and consist of leakage from transmission and distribution mains, leakage and overflows from the water system's storage tanks and leakage from service connections up to and including the meter.



Water leaking from a supply line

Bell County Water Loss 2016-2021

Entity	2022 Loss (% of water)	2021 Loss (% of water)	2020 Loss (% of water)	2019 Loss (% of water)	2018 Loss (% of water)	2017 Loss (% of water)
Armstrong WSC	12.00	21.00	19.00	19.00	18.00	11.12
Bell Co. WCID #2	11.00	12.00	15.00	14.00	11.10	9.20
Bell Co. WCID #5	3.47	3.00	2.81	24.71	16.72	20.97
Bell-Milam-Falls WSC	36.00	44.00	31.28	41.92	36.60	29.03
Central Texas WSC	19.00	17.00	8.00	9.00	8.00	8.30
City of Troy	22.40	21.98	18.96	21.70	34.75	17.20
East Bell WSC	10.55	14.85	10.74	14.42	16.21	12.54
Jarrell-Schwertner WSC	23.00	38.00	41.00	50.00	48.04	49.33
Little Elm Valley WSC	19.00	26.00	17.54	20.75	23.04	22.16
Moffat WSC	11.00	16.00	10.00	26.00	26.70	19.68
Oenaville/Bellfalls WSC	7.09	7.04	5.54	6.42	7.39	8.99
Pendleton WSC	12.68	18.12	21.51	22.03	24.43	20.30
Salado WSC	2.26	10.20	9.88	8.30	9.76	7.60

^{*} Not Reported

Exempt Well Production

Each year, the exempt wells that have been registered are evaluated. The aquifer from which they are producing is determined and an estimate of their total annual production is calculated. The results are shown below for exempt wells registered through December 31, 2022. Most of the exempt wells in Bell County are used for domestic purposes and their use estimate assumes 106 gallons/person per day (USGS estimate of domestic use outside of a municipal water system) and 2.76 persons/household (U.S. Census Bureau, Population Estimates Program (PEP) July 1, 2019). Exempt well use estimate factors out all plugged, capped, monitor and inactive wells in the database.

2022	Exem	pt V	Vell	Produ	ıction
------	------	------	------	-------	--------

	Reserved	Estimated Use*	# Wells
Edwards (BFZ)	825 ac-ft	361 ac-ft	846
Trinity	1,419 ac-ft	775 ac-ft	1,557
Other Aquifers	N/A	825 ac-ft	1,574
Total	2,244 ac-ft	1,961 ac-ft	3,977

^{*} Domestic use estimate assumes 106 gallons/person per day (USGS estimate of domestic use outside of a municipal water system) and 2.76 persons/household (U.S. Census Bureau, Population Estimates Program (PEP) July 1, 2019)

See Appendix E for 2022 Exempt Well Use

Combined Well Production Data

Combining the production from the non-exempt wells with the estimated production from the exempt wells, the following production figures result:

Aquifer	Non-Exempt Well Production (Ac-Ft / Year)	% of Total Permitted	Estimated Exempt Well Production (Ac-Ft / Year)	% of Total Reserved	Total Production (Ac-Ft / Year)	% of Total Available
Edwards (BFZ)	1,995.86	81.16	361	43.76	2,356.86	36.43
Trinity	1,933.56	40.77	775	54.62	2,708.56	29.23
Other Aquifers	503.99	86.99	825	N/A	1,328.99	N/A
Total	4,433.41	55.21	1,961	50.62	6,394.41	32.19

The previous chart shows that overall, exempt wells account for approximately 51.20% of all the groundwater produced in Bell County. In the Trinity, 55.88% of production is attributed to exempt wells and, in the Edwards BFZ, exempt wells account for 43.15% of groundwater production.

Overall, production from the Edwards BFZ aquifer accounts for 32.58% of total groundwater used in Bell County and the Trinity aquifer accounts for 26.97% of total groundwater used in Bell County.

Modeled Available Groundwater - Analysis of Permits and Exempt Use Reserves (in acre-feet)

Aquifer	MAG Modeled *	Reserved for Exempt	Managed	HEU Permit	Operating Permit	Remaining MAG
Edwards (BFZ)	6,469	825	5,644	2,139.20	319.73	3,184.92
Trinity	9,266	1,419	7,847	1,502.60	3,489.71	2,854.69
Paluxy	0			0	0	0
Glen Rose (Upper)	974	693	281	61.90	72.73	146.37
Hensell (Middle)	1,099	548	551	259.30	207.77	83.93
Hosston (Lower)	7,193	178	7,015	1,181.40	3,209.21	2,624.39

^{*} The Modeled Available Groundwater (MAG) is the estimated amount of water available for permitting assigned to Clearwater UWCD by the Executive Administrator of TWDB.

See Appendix F for the 2022 Edwards and Trinity Aquifer Status Reports

4. Annual Newsletter

Objective: Each year, CUWCD will disseminate educational information on groundwater through publication of a District newsletter, quarterly web news and website.

Objective Satisfied

Annually, the District publishes a newsletter and mails it to registered well owners in Bell County. In 2022 the total number of newsletters printed were 3,000 with 2,876 copies directly mailed to well owners. The others are handed out to people that come into the office and electronic copies are emailed out to permit holders and other interested parties. The District also sent out 3 quarterly reports through Mail Chimp.

See Appendix G for Annual Newsletter and quarterly web news.

Online: http://www.cuwcd.org/district-overview/district-newsletter/

B. Controlling and Preventing Waste of Groundwater

Outreach and Education

Objective: Each year, CUWCD will disseminate educational information on controlling and preventing the waste of groundwater focusing on water quality protection through at least one classroom or public presentations to civic organizations and invited opportunities to speak.

Objective Satisfied

District staff is available to speak to any group within our geographical boundaries. In 2022, District staff reached 1,504 adults and children in Bell County directly through presentations and making contact at event booths. We often give PowerPoint presentations to adult groups explaining the District and how we function along with covering important water topics like conservation and watershed management.

In the classroom, we provide the Major Rivers curriculum and give supporting presentations with an Enviroscape watershed model and rainfall simulator. We make sure to always have handouts for the kids like color-changing pencils, rulers, and cups that change color when cold water is poured in. All handouts are branded with district information and most items have water conservation tips printed on them.

See Appendix H for Education and Outreach Events.

C. Addressing Conjunctive Surface Water Management Issues

Regional and Joint Planning Process Participation

Objective: Each year, CUWCD will participate in the regional planning process by attending a minimum of two meetings of the Brazos G Regional Water Planning Group per fiscal year.

Objective Satisfied

During FY22, District General Manager Dirk Aaron attended the scheduled meetings listed below. In 2019, Dirk Aaron was elected by the GMA8 Membership to represent the Groundwater Management Area as an appointed member of Region G. Dirk also serves on the Brazos G Scope of Work Committee.



March 23, 2022

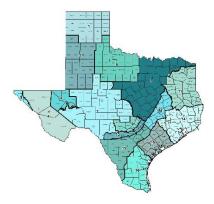
Attended

July 13, 2022

Attended

Online: http://www.brazosgwater.org/

In addition to the regional planning group, District General Manager Dirk Aaron and Director Gary Young also attended the meetings for Groundwater Management Area 8. Groundwater Management Areas were created in order to provide for the conservation, preservation, protection, recharging, and prevention of waste of the groundwater, and of groundwater reservoirs or their subdivisions, and to control subsidence caused by withdrawal of water from those groundwater reservoirs or their subdivisions, consistent with the objectives of Section 59, Article XVI, Texas Constitution.



November 4, 2021 Attended July 26, 2022 Attended

Online: http://www.gma8.org

D. Addressing Natural Resource Issues Which Impact the Use and Availability of Groundwater, and which are impacted by the Use of Groundwater

Monitoring Water Quality

Objective: Each year, CUWCD will monitor water quality within the District by obtaining water samples from all newly constructed wells and testing the water quality of a minimum 90% of newly constructed wells.

Objective Satisfied

The District has an in-house water quality lab and offers a free screening service to registered well owners. Testing parameters include coliform bacteria; alkalinity; conductivity; total dissolved solids; fluoride; hardness; nitrate; nitrite; pH; phosphate; and sulfate. During FY22, the staff conducted screening on 85 groundwater samples. 18 samples tested were from the Edwards (BFZ) aquifer, 6 samples from the Upper Trinity, 40 samples from the Middle Trinity, 15 samples from the Lower Trinity, and 6 samples from other formations.

The District's lab is intended to provide a general water quality screening only. When a certified test is needed, the District sends properly collected well samples to BioChem located in West, Texas. During FY22, 2 samples were sent out for certified testing.

A summary of the well screening results are shown in Appendix I.

Objective: Each quarter of the year, CUWCD will monitor the water quality and spring-flow of the Salado Springs Complex and the Robertson springs of Salado in accordance with the necessary agreements under the Endangered Species Act (ESA) and a proposed, soon to be negotiated 4(d)rule with United States Fish and Wildlife Service (USFWS) and such, per Chapter 36.108 GMA8 Joint Planning, to manage to the Edwards BFZ Aquifer DFC.

Objective Satisfied

Quarterly water quality assessments for nitrate, nitrite, and dissolved oxygen of both Salado Spring Complex and groundwater flow from all seven of the downtown springs collectively known as the Salado Spring Complex were completed in 2022.

A summary of the Salado Springs Complex screening results is shown in Appendix J.

Objective: Each year, CUWCD, in accordance with the agreed-upon five-year reimbursable-task-order with Texas Fish and Wildlife Conservation Office (TXFWCO), will fund and support the efforts of the assigned research biologist, to assess the status of the Threatened Salado Salamander by systematically monitoring under the federal permit TE676811-9 and state permit SPR-0111-03.

Objective Satisfied

A summary of the formal findings of the assigned research biologist is in appendix K and on the district website at https://cuwcd.org/salado-salamander/

TXFWCO's report for FY22 is shown in Appendix K.

E. Addressing Drought Conditions

The District's Groundwater Management Plan requires that the General Manager, Staff and Board of Directors review the District's drought status on a monthly basis. The decisions to declare drought levels per the District's Drought Management Plan approved December 17, 2009, are reviewed weekly by the General Manager. The Drought Management plans are designed to reflect conditions of the Trinity and Edwards (BFZ) Aquifers independently of each other based on the specified triggers (PDI and/or Spring Flow).

1. Monitor Drought Conditions in the Edwards Aquifer

Objective: Each month, CUWCD will monitor drought conditions in the Edwards aquifer through the process established in the drought management plan for the Edwards aquifer adopted by the Board of Directors.

Objective Satisfied

Under the Edwards BFZ Drought Management Plan, a drought stage is triggered when either the Precipitation Deficit Index (PDI) is less than a drought state trigger

EDWARDS BFZ AQUIFER DROUGHT STATUS



condition exceeding for a period of 28 consecutive days and shall be reduced or terminated when the PDI is greater than the trigger condition exceeding for a period of 42 consecutive days, or the average spring discharge measured via stream flow gauges in Salado Creek fall below the trigger level for the periods described time.

Online: <a href="http://www.cuwcd.org/regulatory-program/drought-management/edwards-drought-management

The chart on the next page shows the declared stages during the fiscal year.

	Declared	Salado Creek	Salado Creek	PDI	PDI %
Date	Drought Stage	Acre ft/Month	CFS	Total	Total
10/3/2021	No Drought	2,319.47	38.98	33.005	100.01
11/7/2021	No Drought	6,789.43	114.10	37.97	115.06
12/1/2021	No Drought	1,478.08	24.84	37.57	113.85
1/6/2022	No Drought	1,639.94	27.56	35.79	108.45
2/14/2022	No Drought	1,799.41	30.24	36.438	110.42
3/6/2022	No Drought	1,557.82	26.18	35.371	107.18
4/10/2022	No Drought	918.74	15.44	35.338	107.08
5/10/2022	No Drought	1,032.99	17.36	33.72	102.17
6/5/2022	Stage 2 Drought	624.79	10.5	27.381	82.97
6/13/2022	Stage 2 Drought	619.319	10.408	27.178	82.316
6/20/2022	Stage 2 Drought	721.191	12.12	27.148	82.27
6/27/2022	Stage 2 Drought	595.99	10.016	25.541	77.40
7/5/2022	Stage 2 Drought	579.094	9.732	24.837	75.26
7/10/2022	Stage 2 Drought	585.76	9.84	23.252	70.46
7/14/2022	Stage 2 Drought	520.78	8.752	22.009	66.69
7/24/2022	Stage 3 Drought	371.66	6.246	22.009	64.05
8/9/2022	Stage 3 Drought	287.64	4.834	19.346	58.62
8/15/2022	Stage 3 Drought	344.053	5.782	19.339	58.60
9/12/2022	Stage 3 Drought	424.026	7.126	23.67	71.73

2. Monitor Drought Conditions in the Trinity Aquifer

Objective: Each month, CUWCD will monitor drought conditions in the Trinity aquifer through the process established in the drought management plan for the Trinity aquifer adopted by the Board of Directors.

Objective Satisfied

Under the Trinity Aquifer Drought Management Plan, a drought stage is only to be triggered when the Precipitation Deficit Index (PDI) is less than a drought state trigger condition exceeding for a period of 28 consecutive days and shall be reduced or terminated

TRINITY AQUIFER DROUGHT STATUS

2,000		100%
	NO DROUGHT	
901		80%
900	STAGE 1: AWARENESS	79%
701	RECOMMEND 10% COASE REDUCTION	70%
700	STAGE 2: CONCERN RECOMMEND 20% USAGE REDUCTION	69%
401		60%
400	STAGE 3: SERIOUS	59%
201		50%
200	STAGE 4: CRITICAL RECOMMEND 40% USAGE REDUCTION	49%

Page 22

when the PDI is greater than the trigger condition exceeding for a period of 42 consecutive days.

CUWCD 2022 Annual Report

Online: http://www.cuwcd.org/regulatory-program/drought-management/edwards-drou

Below are the declared stages during the fiscal year.

Date	Declared Drought Stage	PDI Total	PDI % Total
10/3/2021	No Drought	32.255	97.74
11/7/2021	No Drought	36.28	109.94
12/1/2021	No Drought	35.98	109.03
1/6/2022	No Drought	34.189	103.60
2/14/2022	No Drought	34.627	104.93
3/6/2022	No Drought	33.795	102.41
4/10/2022	No Drought	33.873	102.65
5/10/2022	No Drought	32.98	99.94
6/5/2022	No Drought	26.785	81.44
7/10/2022	Stage 1 Drought	23.451	71.06
7/14/2022	Stage 2 Drought	21.785	66.02
7/24/2022	Stage 2 Drought	21785	64.05
8/9/2022	Stage 3 Drought	19.797	59.99
8/15/2022	Stage 3 Drought	19.771	59.91
9/12/2022	Stage 3 Drought	23.933	72.52

F. Addressing Conservation, Recharge Enhancement, Rainwater Harvesting, Precipitation Enhancement, and Brush Control, Where Appropriate and Cost-Effective

1. Conservation

Objective: Each year, CUWCD will promote conservation by conducting and hosting educational events with AgriLife Extension Service and Texas 4-H2O Ambassadors on water conservation and by distributing conservation brochures and literature to the public at a minimum of two educational events attended by district staff and directors.

Objective Satisfied

During 2022, the District exceeded this requirement and was able to reach over 560 adults and children in Bell County directly through giving presentations and making contact at event booths where conservation materials were both discussed and handed out. The District also presented the same topics in the ongoing electronic quarterly newsletter and the annual newsletter.

See Appendix H for Education and Outreach Events.

2. Rainwater Harvesting

Objective: Each year, CUWCD will promote rainwater harvesting by posting information on rainwater harvesting on the District website.

Objective Satisfied

The District's Groundwater Management Plan requires promotion of rainwater harvesting by posting information on the District website. The District satisfied this requirement by including a segment on rainwater harvesting on its website under the Education menu tab along with a link to the Texas A&M AgriLife Extension website and their Rainwater Harvesting Manual. Also included are links to Rainwater Harvesting Contacts and Suppliers and to the Texas A&M AgriLife Extension manual on Rainwater Harvesting Landscape Methods. The District's office has a rainwater harvesting setup for demonstration purposes.

http://www.cuwcd.org/education/rainwater-harvesting/

A copy of the posted information is included under Appendix L.

3. Brush Control

Objective: Each year, the District will provide information relating to brush control on the District web site.

Objective Satisfied

The District's Groundwater Management Plan requires promotion of conservation by providing information relating to brush control on the District website. The District satisfied this requirement by including a segment on brush control on its website under the Education menu tab. For additional information on brush control, links to the Texas A&M AgriLife Extension website are provided. Also included is a link to the Brush Management Fact Sheet produced by Environmental Defense.

http://www.cuwcd.org/education/brush-control/

A copy of the posted information is included under Appendix M.

4. Recharge Enhancement

Objective: Each year, the District will provide information relating to recharge enhancement on the District web site.

Objective Satisfied

The District's Groundwater Management Plan requires promotion of conservation by providing information relating to recharge enhancement, and the District satisfied this requirement by including a segment on recharge enhancement on its website under the Education menu tab. For additional information on recharge enhancement, links to the Texas State Soil and Water Conservation website, and the Leon River Restoration Project website are provided. In addition, the District has contracted with Baylor University to help gain a better scientific understanding of the Edwards (BFZ) and its recharge zone.

http://www.cuwcd.org/education/recharge-enhancement/

G. Addressing in a Quantitative Manner the Desired Future Conditions of the Groundwater Resources

1. Salado Springs

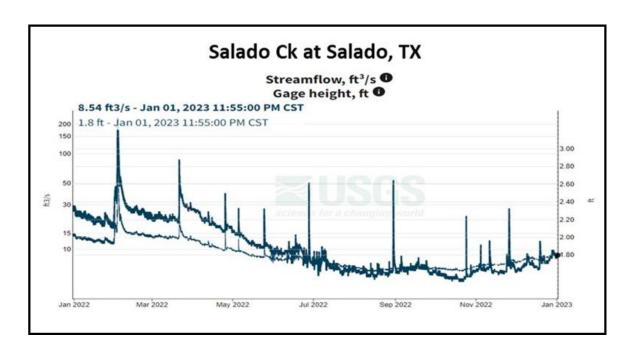
Objective: Each month, CUWCD will operate a gauge system on Salado Creek by contract with USGS Water Science Team in Austin Texas, to accurately record the estimates of the discharge from the Edwards (BFZ) Aquifer at the Salado Springs Complex, Robertson, Big Boiling, Little Bubbly, Side Spring, Critchfield, Benedict and Anderson Springs.

Objective Satisfied

The gauges in the Salado Creek have been an important mechanism to protect spring flow. The District began collecting data from the Salado Creek stream flow gauges during FY08 with the assistance of multiple contractors. During the spring of 2013 an upgraded gauge package by the USGS Water Science Group was installed and the process of analyzing the data and recalibrating the system began. This process was lengthy, but essential to ensure accuracy of the data collected. The new gauges and relationship with the USGS have proved to be an important step forward in monitoring spring flow. The live data can be found online on our website: http://www.cuwcd.org/salado-springs/salado-creek-gauges/

Each month, CUWCD provides a summary of the monthly average discharge rate of Salado Springs and discusses the conservation measures implemented (if any are necessary) to avoid impairment of the Desired Future Conditions for the Edwards (BFZ) Aquifer established by GMA 8.

The image below is a screenshot of the spring flow data for the calendar year 2022.



2. (a) Static Water Level Measurements

Objective: Each month, CUWCD will collect at least 15 water-level measurements from the Trinity aquifer monitor wells located in the District.

Objective Satisfied

The Texas Water Development Board (TWDB) typically measures water levels in selected wells in January each year. Clearwater measures water levels in selected wells four times annually to collect more comprehensive data on water levels in Bell County. The District also collects water level measurements from all newly constructed wells in Bell County and from all Wellntel participants.

Comparing the water level measurements taken by the District with those taken by the TWDB is sometimes difficult due to differences in measurement procedures and equipment. Clearwater primarily uses a Sonic Wave Meter and only utilizes an e-line if necessary. Large producers are asked to turn the pump off at least one hour prior to the measurement to allow the aquifer levels time to stabilize. TWDB typically uses a steel tape or an airline and does not request the pump to be turned off. During calendar year 2022, the District took water level measurements from 116 wells.

The District has been increasing continuous monitor well locations throughout Bell County, thus some wells have very little historical information. Adding these wells is essential to have a broader spectrum of data to analyze in future years. The District has 12 continuous monitor wells that are monitored by TWDB. The continuous water level measurements can be viewed on TWDB's website at: https://waterdatafortexas.org/groundwater.

A copy of the measurements is included under Appendix O.

2. (b) Changes in Water Levels

Objective: Each year, the Annual Report to the Board of Directors will include a discussion of the change in water levels in each Trinity aquifer layer for which a Desired Future Condition is established by GMA-8.

Objective Satisfied

The District prepares a monthly status report (Appendix F – Trinity Aquifer Status Report 2022) that explains the status of the Trinity aquifers by layer at any given time. The DFC analysis from 2000 to present compares DFC adopted drawdown to actual drawdown figures for Bell County. In addition, potential production from both permitted wells and exempt wells is compared to MAG with figures showing how much actual water is available for permitting. Report can be viewed at: https://cuwcd.org/wp-content/uploads/2023/01/20230123 Trinity Study BelcoWilcoTravco-Groundwater-Use.pdf

5. Miscellaneous Activities

In addition to the Groundwater Management Plan requirements, Clearwater is involved in several miscellaneous activities as follows:

A. Abandoned Wells

The District continues to coordinate with the Texas Department of Licensing and Regulation (TDLR)

CUWCD 2022 Annual Report

Page 26

to identify and investigate reports of abandoned wells. After initial investigation, staff refers abandoned wells to TDLR for further investigation, determination of corrective action, and enforcement. The District did not refer any abandoned wells to TDLR during the calendar year 2022.

The District continues to work with the Bell County Public Health District for assistance in locating abandoned wells when septic systems are inspected. The District promotes the plugging of abandoned wells by distributing educational information at various conferences and events and hosting well plugging demonstrations with the Texas A&M AgriLife Extension.

According to records from the Texas Department of Licensing and Regulation, during 2022 a total of 18 wells were plugged in Bell County.

B. Bell County Water Symposium

Clearwater sponsored its twenty first annual water symposium on November 16, 2022 at the Bell County Expo Center. Event partners included Bell County Engineer's Office, KPA Engineers, LRE Water LLC, Lloyd Gosselink Attorneys at Law, Capital Farm Credit, Allan R. Standen LLC, R.W. Harden & Associates, Inc, Michelle A. Sutherland Groundwater Resource Consulting, Advanced Groundwater Solutions LLC, Blanton & Associates, and Texas A&M AgriLife Extension-Bell County.

Topics that were discussed:

- Reflecting on Growth (Opportunities & Challenges) Honorable David Blackburn, Bell County Judge
- Water Management Strategies and System Update David Collinsworth, General Manager & CEO, Brazos River Authority and Brad Brunett, Lower/Central Basin Region Manager, Brazos River Authority
- History and Role, Serving in Times of Need Richard Garrett, General Manager, Bell County WCID No. 1
- Bell County Groundwater Resource Update, Concerns, Conservation and Future Leland Gersbach, Board President, Clearwater UWCD and Dirk Aaron, General Manager, Clearwater UWCD
- Annexation Request from Aquifer Conservation Alliance (ACA) Panel Moderator: Honorable David
 Blackburn, Bell County Judge, Panelists: Cole Ruiz, Attorney, Lloyd Gosselink Rochelle & Townsend, P.C.,
 Kristen Fancher, Attorney, Fancher Legal, PLLC, Vince Clause, Hydrogeologist, LRE Water, Keith Elliston,
 President, Aquifer Conservation Alliance
- Domestic and International Perspective of Water Resources and Legal Disputes Dr. Gabriel Eckstein,
 Professor of Law and Director of the Energy, Environmental, and Natural Resource Systems Law Program,
 Texas A&M University
- Texas Climatic Trends and Drought Predictions for 2022 & Beyond Dr. John Nielsen-Gammon, Regents Professor, Texas A&M University, Texas State Climataologist, Director of the Southern Regional Climate Center
- Texas State Water Planning and Brazos G Regional Planning for the Future Mr. Tony Smith, Associated Vice President, Carollo Engineers
- Your Aquifer and You: Data Insights from the Middle Trinity Aquifer and the People Who Use It Dr. Joe Yelderman, Professor & Chair, Department of Geosciences, Baylor University and Dr. Logan Yelderman, Associate Professor of Psychology, Prairie View A&M University and Will Brewer, Graduate Assistant, Department of Geosciences, Baylor University

Refer to Appendix P for an agenda of the meeting.

Online: http://www.cuwcd.org/education/annual-water-symposium/

C. Internet Site

The District's website continues to grow on a monthly basis. The website contains general information about the District and Board of Directors along with a calendar of events and meeting agendas. Press releases and other water-related articles are posted to continually provide water-related resources to the residents of Bell County.

Below are some highlights of the website available to the public:

- <u>Current Drought Status</u> - <u>Access to online GIS Maps</u>

- Educational Resources - Link to TWDB Groundwater Levels

- <u>Texas Drought Monitor</u> - <u>Link to TWDB Texas Reservoir Levels</u>

- Salado Creek Gauges - Public Records

District Rules
 District Forms and Documents

- Groundwater Management Plan

The website can be viewed at http://www.cuwcd.org

6. Summary

Based on the governance of the Board of Directors and management under the executive direction of the General Manager, District staff continued expanding their efforts in developing in-depth aquifer science, enhancing educational outreach to public schools and civic organizations, and refining database management for the District records.

The District staff has expanded the educational efforts in a partnership with Texas A&M AgriLife Extension, Master Naturalist, and Master Gardener programs. Strategies include: an education trailer (mobile classroom), classroom curriculum, science day events, field days, Earth Day events, and informative presentations for civic organizations.

Clearwater UWCD has maintained relationships with Bell County, all cities within Bell County, USGS, and Baylor University to continue efforts to better understand the Edwards BFZ Aquifer and its complex of springs and recharge features. Maintaining the regulatory system of protecting the spring flow has been validated by the USFWS decision to list the salamander as threatened rather than endangered. The 2015, 2016, 2017, 2018, 2019, 2020, 2021 and 2022 final reports from USFWS can be found on our website at http://www.cuwcd.org/salado-springs/salado-salamander/.

The District is also committed to continuing our efforts to enhance the network of monitor wells in the three layers of the Trinity Aquifer in order to measure drawdown relative to pumping. This allows the Board of Directors to manage the aquifers to the DFC rather than simply to the MAG. The District continues to monitor over 50 wells in both the Trinity and Edwards (BFZ) Aquifers.

The Board of Directors of Clearwater UWCD have officially amended the District Rules (effective November 1, 2022) after investing approximately \$1.5 million (since 2014) in advanced scientific endeavors and with this new understanding has made significant changes to our permitting process and protection of landowner rights. Clearwater Directors amended the rules in both a legal and scientific manner. Due to our enhanced understanding, we have been able to address the many complex

questions, but in general, we have established management zones, limited column pipe sizes depending on the zone, enhance exempt well spacings and enhance tract size limits on non-exempt wells. In addition, we have added remedies for exceptions, waivers, and tract size encumbrances. The new District rules can be found on our website at https://cuwcd.org/wp-content/uploads/2022/10/20221101 FINAL CUWD-Rules-.pdf



Clearwater Underground Water Conservation Adopted Budget FY2022	08/26/2021
FILED FOR RECENUE	
2021 Aug Application Fee Income	50,000.00
2021 AUG 26 P Application Fee Income Gen DAID Current Year Tax	777,106.00
Bell CAD Deliquent Tax	10,000.00
SHELLEY COS Tinterest Income	1,000.00
U. C.A. SELL CALABOTT FEE INCOME	1,500.00
Total Income	839,606.00
Gross Profit	839,606.00
EXPENDITURES	
Administrative Expenses Audit	8,500.00
Conferences & Prof Development	4,000.00
Contingency Fund	90,264.00
Director Expenses	7,500.00
Director Fees	12,750.00
Dues & Memberships	4,000.00
Election Expense	500.00
GMA 8 Expenses	7,500.00
Meals	1,000.00 5,000.00
Mileage Reimbursements Travel & Hotel	4,500.00
Total Administrative Expenses	145,514.00
Salary Costs	
Administrative Assistant	56,000.00
Educational Coord/Support Tech	50,000.00
Manager	100,000.00
Part Time/Intern	4,500.00
Office Assistant/Field Tech Health Insurance	47,000.00 34,525.00
Payroll Taxes & Work Comp	25,300.00
Retirement	11,385.00
Payroll Expenses	125.00
Freshbenies	432.00
Total Salary Costs	329,267.00
Operating Expenses	
Bank Service Charges	50.00
Advertisement	4,000.00
Appraisal District Clearwater Studies	9,000.00 92,500.00
Spring Flow Gage System	15,900.00
Computer Consulting	47,400.00
Computer Licenses/Virus Prtctn	1,500.00
Computer Repairs and Supplies	2,000.00
Computer Software & Hardware	5,000.00
Copier/Scanner/Plotter	6,000.00
Educational Outreach/Marketing	19,500.00
Furniture & Equipment Legal	2,500.00 42,500.00
Office Supplies	3,500.00
Permit Reviews	50,000.00
Postage	2,500.00
Printing	2,500.00
Reserve for Uncollected Taxes	20,000.00
Subscriptions	900.00
Mobile Classroom Expense	2,000.00
Vehicle Expense Total Operating Expenses	4,000.00 333,250.00
rotal Operating Expenses	333,230.00
	22 275 00
Facility Costs Utilities	22,375.00 9,200.00

For a detailed copy of the FY22 Budget, contact CUWCD at 254-933-0120

RESOLUTION AND ORDER OF THE BOARD OF DIRECTORS OF THE CLEARWATER UNDERGROUND WATER CONSERVATION DISTRICT MEETING HELD AUGUST 25, 2021

THE STATE OF TEXAS	§	
	§	A RESOLUTION AND ORDER
COUNTY OF BELL	§	
	§	SETTING ANNUAL TAX RATE
CLEARWATER UWCD	§	

The Board of Directors of the Clearwater Underground Water Conservation District met in a regular session, open to the public, after due notice, at the Clearwater Underground Water Conservation District, located at 700 Kennedy Court, Belton, Texas, within the boundaries of the District, on the 25th day of August 2021, whereupon the roll was called of the members of the Board of Directors, to wit:

Leland Gersbach	President
David Cole	Vice President
C. Gary Young	Secretary
Scott A. Brooks	Director
Jody Williams	Director

Five (5) of the five (5) Board members were present, thus constituting a quorum.

WHEREUPON, among other business conducted by the Board, Director **JODY WILLIAMS** introduced the Order set out below and moved for its adoption, which motion was seconded by Director **SCOTT BROOKS** and, after full discussion and the question being put to the Board of Directors, said motion was carried by the following vote:

The Order thus adopted is as follows:

WHEREAS, the Board of Directors was authorized by applicable statutory law to levy a sufficient tax to cover all maintenance and operation expenses of the District;

WHEREAS, the Board of Directors reviewed and approved its budget for its fiscal year October 1, 2021, through September 30, 2022, and determined what tax rate should be set to meet such budget requirements;

WHEREAS, the appraisal roll of the District for 2021 has been prepared and certified by the Tax Appraisal District of Bell County and submitted to the District's tax collector; and

NOW, THEREFORE, BE IT ORDERED BY THE BOARD OF DIRECTORS OF THE CLEARWATER UNDERGROUND WATER CONSERVATION DISTRICT THAT:

I.

The operation and maintenance tax rate for tax year 2021 shall be \$0.003100 per one hundred dollars (\$100) of assessed valuation. Be it known that this 2021 tax rate is less than last year's tax rate at \$0.003272 per \$100 of assessed valuation, but this rate will increase total taxes in Clearwater by 6.0%, or 26ϕ on the average appraised value of a residence at \$193,203.00.

THIS TAX RATE WILL RAISE MORE TAXES FOR MAINTENANCE AND OPERATIONS THAN LAST YEAR'S TAX RATE.

The Bell County Tax Assessor and Collector shall take all steps necessary and authorized by the law to collect taxes as owed pursuant to this order. Said taxes shall be levied, assessed and collected at the rate of \$0.003100 per \$100 valuation for 2021 as provided for in the District's enabling act; Chapters 36 Texas Groundwater Water Code, as applicable; and all other applicable laws.

II.

The Board President or Vice President are authorized to execute, and the Secretary or any Assistant Secretary to attest, this order on behalf of the Board of Directors.

PASSED, APPROVED AND ADOPTED this the 25st day of August 2021.

CLEARWATER UNDERGROUND WATER CONSERVATION DISTRICT

 $\mathbf{R}\mathbf{v}$

Leland Gersbach, Board President (or)

David Cole, Board Vice President

ATTEST:

C. Gary Young, Board Secretary (or)

Dirk Aaron, Assistant Secretary



CLEARWATER UNDERGROUND WATER CONSERVATION DISTRICT

Audited Financial Statements

For the Year Ended September 30, 2022

and Independent Auditors' Report

TABLE OF CONTENTS

Financial Section	
Independent Auditors' Report	1
Management's Discussion and Analysis	3
Basic Financial Statements:	
Government-wide and Fund Financial Statements Statement of Net Position and Governmental Fund Balance Sheet	8
Statement of Activities and Governmental Fund Revenues, Expenditures, and Changes in Fund Balance	9
Notes to the Financial Statements	10
Required Supplementary Information:	
Budgetary Comparison Schedule - General Fund	19
Texas Supplementary Information:	
TSI-1 - Services and Rates - not applicable	
TSI-2 - General Fund Expenditures	20
TSI-3 - Temporary Investments	21
TSI-4 - Taxes Levied and Receivable	22
TSI-5 - Long-Term Debt Service Requirements by Years - not applicable	
TSI-6 - Changes in Long-Term Bonded Debt- not applicable	
TSI-7 - Comparative Schedule of Revenues and Expenditures - General Fund - Five Years	23
TSI-8 - Board Members, Key Personnel, and Consultants	24
Compliance and Internal Control Section:	
Report on Internal Control over Financial Reporting and on Compliance and Other Matters Based on an Audit of Financial Statements Performed in Accordance with Government Auditing Standards	25
Schedule of Findings and Responses and Corrective Action Plan	27

28

Schedule of Prior Year Findings and Corrective Action Plan



1949 SCOTT BOULEVARD TEMPLE, TEXAS 76504 254.771.0061 - VOICE 254.771.1445 - FAX WWW.LMS-CPA.COM

INDEPENDENT AUDITORS' REPORT

To the Board of Directors Clearwater Underground Water Conservation District Belton, TX

Opinions

We have audited the accompanying financial statements of the governmental activities and each major fund of the Clearwater Underground Water Conservation District, as of and for the year ended September 30, 2022, and the related notes to the financial statements, which collectively comprise the District's basic financial statements as listed in the table of contents.

In our opinion, the financial statements referred to above present fairly, in all material respects, the respective financial position of the governmental activities and each major fund of Clearwater Underground Water Conservation District, as of September 30, 2022, and the respective changes in financial position thereof for the year then ended in accordance with accounting principles generally accepted in the United States of America.

Basis for Opinions

We conducted our audit in accordance with auditing standards generally accepted in the United States of America and the standards applicable to financial audits contained in *Government Auditing Standards*, issued by the Comptroller General of the United States. Our responsibilities under those standards are further described in the Auditor's Responsibilities for the Audit of the Financial Statements section of our report. We are required to be independent of Clearwater Underground Water Conservation District, and to meet our other ethical responsibilities, in accordance with the relevant ethical requirements relating to our audit. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinions.

Responsibilities of Management for the Financial Statements

Management is responsible for the preparation and fair presentation of the financial statements in accordance with accounting principles generally accepted in the United States of America, and for the design, implementation, and maintenance of internal control relevant to the preparation and fair presentation of financial statements that are free from material misstatement, whether due to fraud or error.

In preparing the financial statements, management is required to evaluate whether there are conditions or events, considered in the aggregate, that raise substantial doubt about Clearwater Underground Water Conservation District's ability to continue as a going concern for twelve months beyond the financial statement date, including any currently known information that may raise substantial doubt shortly thereafter.

Auditor's Responsibilities for the Audit of the Financial Statements

Our objectives are to obtain reasonable assurance about whether the financial statements as a whole are free from material misstatement, whether due to fraud or error, and to issue an auditor's report that includes our opinions. Reasonable assurance is a high level of assurance but is not absolute assurance and therefore is not a guarantee that an audit conducted in accordance with generally accepted auditing standards and *Government Auditing Standards* will always detect a material misstatement when it exists. The risk of not detecting a material misstatement resulting from fraud is higher than for one resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal control. Misstatements are considered material if there is a substantial likelihood that, individually or in the aggregate, they would influence the judgment made by a reasonable user based on the financial statements.

In performing an audit in accordance with generally accepted auditing standards and Government Auditing Standards, we:

Exercise professional judgment and maintain professional skepticism throughout the audit.

- Identify and assess the risks of material misstatement of the financial statements, whether due to fraud or error. and design and perform audit procedures responsive to those risks. Such procedures include examining, on a test basis, evidence regarding the amounts and disclosures in the financial statements.
- Obtain an understanding of internal control relevant to the audit in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of Clearwater Underground Water Conservation District's internal control. Accordingly, no such opinion is expressed.
- Evaluate the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management, as well as evaluate the overall presentation of the financial statements.
- Conclude whether, in our judgment, there are conditions or events, considered in the aggregate, that raise substantial doubt about Clearwater Underground Water Conservation District's ability to continue as a going concern for a reasonable period of time.

We are required to communicate with those charged with governance regarding, among other matters, the planned scope and timing of the audit, significant audit findings, and certain internal control-related matters that we identified during the audit.

Required Supplementary Information

Accounting principles generally accepted in the United States of America require that the management's discussion and analysis and budgetary comparison information on pages 3-7 and 19 be presented to supplement the basic financial statements. Such information is the responsibility of management and, although not a part of the basic financial statements, is required by the Governmental Accounting Standards Board who considers it to be an essential part of financial reporting for placing the basic financial statements in an appropriate operational, economic, or historical context. We have applied certain limited procedures to the required supplementary information in accordance with auditing standards generally accepted in the United States of America, which consisted of inquiries of management about the methods of preparing the information and comparing the information for consistency with management's responses to our inquiries, the basic financial statements, and other knowledge we obtained during our audit of the basic financial statements. We do not express an opinion or provide any assurance on the information because the limited procedures do not provide us with sufficient evidence to express an opinion or provide any assurance.

Other Information

Management is responsible for the other information included in the annual report. The other information comprises the Texas supplementary information section but does not include the basic financial statements and our auditor's report thereon. Our opinions on the basic financial statements do not cover the other information, and we do not express an opinion or any form of assurance thereon.

In connection with our audit of the basic financial statements, our responsibility is to read the other information and consider whether a material inconsistency exists between the other information and the basic financial statements, or the other information otherwise appears to be materially misstated. If, based on the work performed, we conclude that an uncorrected material misstatement of the other information exists, we are required to describe it in our report.

Other Reporting Required by Government Auditing Standards

In accordance with Government Auditing Standards, we have also issued our report dated February 7, 2023, on our consideration of Clearwater Underground Water Conservation District's internal control over financial reporting and on our tests of its compliance with certain provisions of laws, regulations, contracts, and grant agreements and other matters. The purpose of that report is to describe the scope of our testing of internal control over financial reporting and compliance and the results of that testing, and not to provide an opinion on the effectiveness of Clearwater Underground Water Conservation District's internal control over financial reporting or on compliance. That report is an integral part of an audit performed in accordance with Government Auditing Standards in considering Clearwater Underground Water Conservation District's internal control over financial reporting and compliance.

durch, Mentyn, + Stupe,

Temple, Texas February 7, 2023

Management's Discussion and Analysis For the Year Ended September 30, 2022

In this section of the annual financial report, we, the managers of Clearwater Underground Water Conservation District (the District), discuss and analyze the District's financial performance. Please read it in conjunction with the independent auditors' report on page 1 and the District's basic financial statements, which begin on page 8.

FINANCIAL HIGHLIGHTS

- The District's net position increased by \$51,177 as a result of this year's operations.
- The ending net position was \$1,471,774.
- During the year, the District had expenses that were \$51,177 less than the \$800,797 generated in revenues.
- Total costs of all the District's programs were \$749,620.
- The resources available for appropriation were \$111,280 more than budgeted due to an over budgeting of compensation and benefits, Clearwater studies and other operating expenses offset by an over budgeting of revenues.

OVERVIEW OF THE FINANCIAL STATEMENTS

This annual report consists of three parts: (1) Management's Discussion and Analysis (this section), (2) government-wide and fund financial statements, and (3) notes to the financial statements. The government-wide and fund financial statements include the statement of net position and governmental fund balance sheet and the statement of activities and governmental fund revenues, expenditures, and changes in fund balance (on pages 8 and 9). The government-wide and fund financial statements are presented together because the District has only one fund. These provide information about the activities of the District as a whole. They reflect the flow of total economic resources in a manner similar to the financial reports of a business enterprise.

The notes to the financial statements, starting on page 10, provide narrative explanations or additional data needed for full disclosure in the government-wide statements and fund financial statements. This report also contains the budgetary comparison schedule as required supplementary information in addition to the government-wide and fund financial statements themselves.

GOVERNMENT-WIDE FINANCIAL STATEMENTS

The government-wide financial statements are designed to provide readers with a broad overview of the District's finances, in a manner similar to a private-sector business. The government-wide financial statements use the economic resources measurement and the accrual basis of accounting. Revenues are recorded when earned and expenses are recorded when a liability is incurred regardless of the timing of the related cash flow.

The statement of net position presents information on all of the District's position and liabilities, with the difference between the two reported as net position. The District's net position (the difference between assets and liabilities) provide one measure of the District's financial health or financial position. Over time, increases or decreases in net position may serve as a useful indicator of whether the financial position of the District is improving or deteriorating. To fully assess the overall health of the District, however, you should consider nonfinancial factors as well. The analysis of the District's overall financial condition and operations begins on page 8.

Management's Discussion and Analysis For the Year Ended September 30, 2022

GOVERNMENT-WIDE FINANCIAL STATEMENTS (CONTINUED)

The statement of activities presents information showing how the District's net position changed during the most recent year. All changes in net position are reported as soon as the underlying event giving rise to the change occurs, regardless of the timing of related cash flows. Thus, revenues and expenses are reported in this statement for some items that will only result in cash flows in future periods.

These two statements report the District's net position and changes in them.

FUND FINANCIAL STATEMENTS

A fund is a grouping of related accounts that is used to maintain control over resources that have been segregated for specific activities or objectives. The District uses fund accounting to ensure and demonstrate compliance with finance-related legal requirements. The District has only one fund, namely the general fund.

The general fund is a governmental fund used to account for essentially the same function reported as governmental activities in the government-wide financial statements. However, unlike the government-wide financial statements, governmental fund financial statements focus on near-term inflows and outflows of spendable resources, as well as on balances of spendable resources available at the end of the year. Such information may be useful in evaluating a government's near-term financing requirements.

The District maintains one general fund in the governmental fund balance sheet and the governmental fund statement of revenues, expenditures, and changes in fund balance.

Because the focus of the general fund is narrower than that of the government-wide financial statements, it is useful to compare the information presented in the general fund with similar information presented for governmental activities in the government-wide financial statements. By doing so, readers may better understand the long-term impact of the government's near-term financial decisions. Both the general fund balance sheets and the general fund statement of revenues, expenditures, and changes in fund balance provide a reconciliation to facilitate this comparison between the general fund and governmental activities. The general fund financial statements are shown in conjunction with the government-wide financial statements on pages 8 and 9.

NOTES TO THE FINANCIAL STATEMENTS

The notes provide additional information that is essential to a full understanding of the data provided in the government-wide and fund financial statements. The notes to the financial statements can be found on pages 10 through 18 of this report.

REQUIRED SUPPLEMENTARY INFORMATION

The budgetary comparison schedule is presented for purposes of additional analysis as required by accounting principles generally accepted in the United States of America. The schedule can be found on page 19 of this report.

GOVERNMENT-WIDE FINANCIAL ANALYSIS

The District implemented GASB 34 during the fiscal year ended September 30, 2004. The following analysis focuses on the Net Position (Table I) and Changes in Net Position (Table II) of the District's governmental fund activities.

Management's Discussion and Analysis For the Year Ended September 30, 2022

GOVERNMENT-WIDE FINANCIAL ANALYSIS (CONTINUED)

Net position of the District's governmental activities increased from \$1,420,597 to \$1,471,774. Unrestricted net position - the part of net position that can be used to finance day-to-day operations without constraints established by debt covenants, enabling legislation, or other legal requirements was \$1,002,622 at September 30, 2022.

The District's total revenues increased by \$51,576. The cost of all governmental activities this year was \$749,620 compared to \$728,759. Therefore, revenues and expenses both had increases.

Table I Clearwater Underground Water Conservation District

	Net Position																																																
		Governmental Activities 2022		Activities		Activities		Activities		Activities		Activities		Activities		Activities		Activities		Activities		Activities		Activities		Activities		Activities		Activities		Activities		Activities		Activities		Activities		Activities		Activities		Activities		Activities			overnmental Activities 2021
Assets:																																																	
	Cash	\$	1,003,949	\$	902,467																																												
	Taxes receivable		17,804		21,208																																												
	Capital assets - net of depreciation		469,152		530,292																																												
	Total Assets		1,490,905		1,453,967																																												
Liabilities	:																																																
	Current		19,131	7	33,370																																												
	Total Liabilities		19,131		33,370																																												
Net Posit	ion																																																
	Unrestricted		1,002,622		890,305																																												
	Net investment in capital assets		469,152		530,292																																												
	Total Net Position	_\$_	1,471,774	\$_	1,420,597																																												

Management's Discussion and Analysis For the Year Ended September 30, 2022

GOVERNMENT-WIDE FINANCIAL ANALYSIS (CONTINUED)

Table II Clearwater Underground Water Conservation District

Changes in Net Position

		vernmental Activities 2022	Governmen Activities 2021		
Revenues					
Property taxes	\$	760,441	\$	723,678	
Permits and other fees		12,736		24,736	
Interest income		8,542		807	
Gain on sale of assets		19,078		-	
Total Revenues	***************************************	800,797		749,221	
Expenses					
Operating expenses	-	749,620		728,759	
Total Expenses		749,620		728,759	
Increase (decrease) in net position		51,177		20,462	
Net position - beginning of the year		1,420,597		1,400,135	
Net position - end of the year		1,471,774	\$	1,420,597	

FUND FINANCIAL ANALYSIS

The focus of the District's governmental fund is to provide information on near-term inflows, outflows, and balances of spendable resources. Such information is useful in assessing the District's financing requirements. In particular, fund balance may serve as a useful measure of a government's net resources available for spending for program purposes at the end of the year.

As the District completed the current year, its governmental fund, which consists of one general fund, as presented in the governmental fund balance sheet on page 8 reported an ending fund balance of \$997,794, which is \$111,280 higher than last year's total of \$886,514. The District's major source of revenue is property taxes. The fund balance represents funds available for operations.

The District's general fund balance of \$997,794 reported on page 19 differs from the General Fund's budgetary fund balance of \$886,514 reported on the same schedule. This is principally due to expenses being under budget offset by revenues being over budgeted.

Management's Discussion and Analysis For the Year Ended September 30, 2022

CAPITAL ASSETS

At the end of fiscal year 2022, the District had \$469,152 invested in building, land and equipment, net of accumulated depreciation. During the year ended September 30, 2022, there was land sold for a gain of \$19,078.

DEBT

The District had no debt during the year or at year end.

ECONOMIC FACTORS AND NEXT YEAR'S BUDGET

The District's board considered many factors when setting the 2023 budget. One of the factors was the appraisal value of property. Additionally, the economy and population growth were considered.

CONTACTING THE DISTRICT'S FINANCIAL MANAGEMENT

This financial report is designed to provide our citizens and taxpayers with a general overview of the District's finances and to show the District's accountability for the funds it receives. If you have questions about this report or need additional financial information, contact the District's business office, Clearwater Underground Water Conservation District, 700 Kennedy Ct., P.O. Box 1989, Belton, TX 76513.

Statement of Net Position and Governmental Fund Balance Sheet September 30, 2022

	General Fund	Adjustments (Note 11)	Statement of Net Position
Assets			
Current Assets:		1	
Cash and cash equivalents Temporary investments	\$ 49,084 954,865	\$ -	\$ 49,084 954,865
Taxes receivable, net of allowance of \$-0-	17,804	<u> </u>	17,804
Total Current Assets	1,021,753	9	1,021,753
Noncurrent Assets:			
Capital assets not being depreciated			
Land Capital assets being depreciated	. ■0	29,059	29,059
Building and equipment, net of			
accumulated depreciation		440,093	440,093
Total Capital Assets, net	<u> </u>	469,152	469,152
Total Noncurrent Assets		469,152	469,152
Total Assets	\$ 1,021,753	469,152	1,490,905
Liabilities			
Payroll liability	\$ 2	•	2
Compensated absences		19,129	19,129
Total Liabilities	2	19,129	19,131
Deferred Inflows of Resources			
Unavailable revenue - property taxes	17,804	(17,804)	-
Insurance proceeds	6,153	(6,153)	<u> </u>
Total Deferred Inflows of Resources	23,957	(23,957)	
Fund Balance	007.704	(00==0.1)	
Unassigned	997,794	(997,794)	-
Total Fund Balance	997,794	(997,794)	
Total Liabilities, Deferred Inflows, and	\$ 1,021,753		
Fund Balance			
,			
Net Position		1 000 700	1 000 101
Unrestricted		1,002,622	1,002,622
Net investment in capital assets		469,152	469,152
Total Net Position		\$ 1,471,774	\$ 1,471,774

Statement of Activities and Governmental Fund Revenues, Expenditures, and Changes in Fund Balance For the Year Ended September 30, 2022

Revenues	General Fund	Adjustments (Note 11)	Statement of Activities
Property taxes \$	757,692	\$ 2,749	\$ 760,441
Permits and other fees	12,736	Ψ 2,7+7 -	12,736
Interest and other income	8,542	_	8,542
Gain on sale of assets	50,000	(30,922)	19,078
Total Revenues	828,970	(28,173)	800,797
Expenditures			
Administrative	25,200	-	25,200
Clearwater studies	108,277	-	108,277
Compensation and benefits	302,898	1,712	304,610
Depreciation	-	30,218	30,218
Directors fees	7,050	-	7,050
Educational outreach	14,784	-	14,784
Facility costs	21,574	% -	21,574
Legal and professional	75,656	=	75,656
Other operating expenses	117,523		117,523
Payroll taxes	20,156	% =	20,156
Spring flow gauge system	15,900	4. -	15,900
Utilities	8,672	-	8,672
Total Expenditures	717,690	31,930	749,620
Excess of revenues over expenditures	111,280	(111,280)	-
Change in net position	-	51,177	51,177
Fund balance/net position:			
Beginning of year	886,514	534,083	1,420,597
End of year \$	997,794	\$ 473,980	\$ 1,471,774

Notes to the Financial Statements For the Year Ended September 30, 2022

1. Nature of Activities

The Clearwater Underground Water Conservation District (the "District") was created in 1989 by the Texas State Legislature and resolution of the Commissioners Court of Bell County, Texas, in order to carry out groundwater management in Bell County. The purpose of the District is to develop and implement an efficient, economical and environmentally sound groundwater management program to protect and enhance the water resources of the District. The District is governed by a five member Board of Directors ("the Board") elected by the qualified voters within the boundaries of the District.

2. Summary of Significant Accounting Policies

The following is a summary of certain significant accounting policies followed in the preparation of the financial statements of Clearwater Underground Water Conservation District.

The District is a governmental entity with its principal office in Belton, Texas from which it oversees groundwater management in Bell County. Principal revenues are property taxes and permit fees. The board of directors constitutes an on-going entity and is the level of government which has governance responsibilities over all activities.

Reporting Entity

The District has developed criteria to determine if the activities of any outside agencies or organizations should be included within its financial statements. The criteria includes the amount of oversight responsibility exercised by the District over the activities of an agency or organization, the scope of public service of an agency or organization, and the nature of any special financing relationships which may exist between the District and an agency or organization. Oversight responsibility includes financial interdependency, selection of the governing authority, designation of management, the ability to significantly influence operations, and accountability for fiscal matters. The District's financial statements include all funds over which the District exercises oversight responsibility. The District does not exercise oversight responsibility over any other reporting entity. Also, the District is not included as a part of any other reporting entity.

Government-wide and Fund Financial Statements

The statement of net position and the statement of activities are government-wide financial statements. They report information on all of Clearwater Underground Water Conservation District. The fund financial statements provide reports on the financial condition and results of operations for one fund category - governmental.

Measurement Focus, Basis of Accounting, and Financial Statement Presentation

The government-wide financial statements use the economic resources measurement focus and the accrual basis of accounting. Revenues are recorded when earned and expenses are recorded when a liability is incurred, regardless of the timing of the related cash flows.

Notes to the Financial Statements For the Year Ended September 30, 2022

2. Summary of Significant Accounting Policies (Continued)

Measurement Focus, Basis of Accounting, and Financial Statement Presentation (Continued)

Governmental fund financial statements use the current financial resources measurement focus and the modified accrual basis of accounting. With this measurement focus, only current assets, current liabilities and fund balances are included on the balance sheet. Operating statements of these funds present net increases and decreases in current assets (i.e., revenues and other financing sources and expenditures and other financing uses).

The modified accrual basis of accounting recognizes revenues in the accounting period in which they become both measureable and available, and it recognizes expenditures in the accounting period in which the fund liability is incurred, if measurable, except for unmatured interest and principal on long-term debt, which is recognized when due. The expenditures related to certain compensated absences and claims and judgments are recognized when the obligations are expected to be liquidated with expendable available financial resources. Clearwater Underground Water Conservation District considers all revenues available if they are collectible within 60 days after year end.

Revenues from local sources consist primarily of permit and other fees and property taxes. These revenues are recognized under the susceptible-to-accrual concept. Miscellaneous revenues are recorded as revenue when received in cash because they are generally not measurable until actually received. Investment earnings are recorded as earned, since they are both measurable and available.

Cash and Cash Equivalents

Cash and cash equivalents includes all short-term liquid investments convertible into cash and includes cash and money market accounts with an original maturity of less than three months.

Taxes Receivable

Taxes receivable are the amount of ad-valorem taxes which have been collected for the District by the various county tax assessor-collectors which were remitted to the District during the ensuing sixty day period. The assessment and collection of these taxes has been handled solely by the counties involved.

Capital Assets

Capital assets, which include office equipment and furniture, are reported in the government-wide financial statements. Assets are recorded at historical cost or estimated historical cost. Capital assets are being depreciated using the straight-line method over the following estimated useful lives:

Equipment 5-15 years Building and Improvements 10 – 40 years

Notes to the Financial Statements For the Year Ended September 30, 2022

2. Summary of Significant Accounting Policies (Continued)

Recently Adopted Accounting Pronouncements

In June 2017, The Governmental Accounting Standards Board ("GASB") issued GASB Statement No. 87, *Leases*. The standard was effective for year-ends beginning after June 15, 2021. We adopted the requirements of the new statement effective October 1, 2021. Adoption of the new standard had no material impact on the financial statements for the year ended September 30, 2022.

Budget

The Board of Directors prepared and formally adopted an annual budget prior to the disbursement of funds.

Estimates

The preparation of financial statements in conformity with accounting principles generally accepted in the United States of America requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities and disclosure of contingent assets and liabilities at the date of the financial statements and the reported amounts of revenues and expenses during the reporting period. Actual results could differ from these estimates.

Fund Accounting

The District reports the following major governmental funds:

General Fund - This is the District's primary operating fund. It accounts for all financial resources of the District.

Clearwater Underground Water Conservation District does not have any long-term debt for the year ended September 30, 2022.

In June 1999, the Governmental Accounting Standards Board (GASB) issued Statement No. 34, Basic Financial Statements - and Management's Discussion and Analysis - for State and Local Governments. This statement, known as the "Reporting Model" statement, affects the way the District prepares and presents financial information in addition to requiring the presentation of the Clearwater Underground Water Conservation District's Management's Discussion and Analysis (MD&A). MD&A is considered to be required supplementary data and precedes the financial statements.

Notes to the Financial Statements

For the Year Ended September 30, 2022

2. Summary of Significant Accounting Policies (Continued)

Fund Accounting (Continued)

To conform to the requirements of GASB 34, the following changes have been made to the Clearwater Underground Water Conservation District's financial statements:

- Fund balance has been reclassified into the following category of net position: Unrestricted and Net Investment in Capital Assets.
- The balance sheet has been modified to report a statement of net position.
- The balance sheet was adjusted for net capital assets of \$469,152 and compensated absences of \$19,129 on the statement of net position.
- The statement of revenues, expenditures, and changes in fund balance has been modified to report a statement of activities with operating and non-operating revenues and expenses.
- The statement of revenues, expenditures, and changes in fund balance was adjusted by \$30,218 for depreciation, \$1,712 for increases in compensated absences and \$2,749 for property taxes and \$30,922 for gain on sale of assets.

Deferred Outflows/Inflows

A deferred outflow of resources represents a consumption of net position that applies to a future period and will not be recognized as an outflow of resources (expense) until that future time. A deferred inflow of resources represents an acquisition of net position that applies to a future period and therefore will not be recognized as an inflow of resources (revenue) until that future time.

3. Deposits and Investments

The District is required by Government Code Chapter 2256, *The Public Funds Investment Act*, to adopt, implement, and publicize an investment policy. That policy must address the following areas: (1) safety of principal and liquidity, (2) portfolio diversification, (3) allowable investments, (4) acceptable risk levels, (5) expected rates of return, (6) maximum allowable stated maturity of portfolio investments, (7) maximum average dollar-weighted maturity allowed based on the stated maturity date for the portfolio, (8) investment staff quality and capabilities, and (9) bid solicitation preferences for certificates of deposit.

The Public Funds Investment Act ("the Act") requires an annual audit of investment policies. Audit procedures in this area conducted as a part of the audit of the financial statements disclosed that in the areas of investment practices, management reports and establishment of appropriate policies, the District adhered to the requirements of the Act. Additionally, investment practices of the District were in accordance with local policies.

Notes to the Financial Statements For the Year Ended September 30, 2022

3. Deposits and Investments (Continued)

The Act determines the types of investments which are allowable for the District. These include, with certain restrictions, (1) obligations of the U.S. Treasury, certain U.S. agencies, and the State of Texas, (2) certificates of deposit, (3) certain municipal securities, (4) money market savings accounts, (5) repurchase agreements, (6) bankers acceptances, (7) mutual funds, (8) investment pools, (9) guaranteed investment contracts, and (10) common trust funds.

Additional Contractual Provisions governing deposits and investments are as follows:

The funds of Clearwater Underground Water Conservation District must be deposited and invested under the terms of a contract, contents of which are set out in the Depository Contract Law. The depository bank places approved pledged securities for safekeeping and trust with the District's agent bank in an amount sufficient to protect District funds on a day-to-day basis during the period of the contract. The pledge of approved securities is waived only to the extent of the depository bank's dollar amount of Federal Deposit Insurance Corporation (FDIC) insurance.

At September 30, 2022, the bank balance of the District was \$80,263 with \$-0- of deposits in excess of FDIC coverage.

Analysis of Specific Deposit and Investment Risks

GASB Statement No. 40 requires a determination as to whether the District was exposed to the following specific investment risks at year end and, if so, the reporting of certain related disclosures:

a. Credit Risk - Credit risk is the risk that an issuer or other counter party to an investment will not fulfill its obligations. The ratings of securities by nationally recognized rating agencies are designed to give an indication of credit risk. At year end, the District's investments, other than those which are obligations of or guaranteed by the U.S. Government, are related as to credit quality.

The Clearwater Underground Water Conservation District does not invest in debt securities.

The State Comptroller of Public Accounts exercises oversight responsibility over TexPool. Oversight includes the ability to significantly influence operations, designation of management and accountability for fiscal matters. TexPool is rated AAA by Standard and Poor's. As a requirement to maintain the rating, weekly portfolio information must be submitted to Standard & Poor's, as well as the office of the Comptroller of Public Accounts for review. TexPool operates in a manner consistent with the SEC's Rule 2a7 of the Investment Company Act of 1940. TexPool uses amortized cost rather than market value to report net position to compute share prices. Accordingly, the fair value of the position in TexPool is the same as the value of TexPool shares.

b. Custodial Credit Risk - Deposits are exposed to custodial credit risk if they are not covered by depository insurance and the deposits are uncollateralized, collateralized with securities held by the pledging financial institution, or collateralized with securities held by the pledging financial institution's trust department or agent but not in the District's name.

Notes to the Financial Statements

For the Year Ended September 30, 2022

3. Deposits and Investments (Continued)

Investment securities are exposed to custodial credit risk if the securities are uninsured, are not registered in the name of the government, and are held by either the counterparty or the counterparty's trust department or agency but not in the District's name.

At year end, the District was not exposed to custodial credit risk.

c. Concentration of Credit Risk - This risk is the risk of loss attributed to the magnitude of a government's investment in a single issuer. At year end, the District had no positions of 5% or more in the securities of a single issuer.

The District's undesignated temporary investments at September 30, 2022, are shown below:

		Carrying Amount		Fair Value
TexPool	_\$_	954,865	_\$_	954,865
	\$	954,865	\$	954,865

- d. Interest Rate Risk This is the risk that changes in interest rates will adversely affect the fair value of an investment. At year end, the District has a formal investment policy that limits investment maturities as a means of managing its exposure to fair value losses arising from increasing interest rates.
- e. Foreign Currency Risk This is the risk that exchange rates will adversely affect the fair value of an instrument. At year end, the District was not exposed to foreign currency risk.

4. Capital Assets

Capital asset activity for the period ended September 30, 2022 was as follows:

				cumulated	
	Cost		Depreciation		 Net
Balance - October 1, 2021	\$	769,462	\$	(239,170)	\$ 530,292
Additions				(30,218)	(30,218)
Disposals	1	(30,922)			 (30,922)
Balance - September 30, 2022	\$	738,540	_\$_	(269,388)	 469,152

Notes to the Financial Statements

For the Year Ended September 30, 2022

5. Long-Term Debt

The District has no long-term debt.

6. Risk Management

The District is exposed to various risks of loss related to torts, thefts, damage or destruction of assets, errors and omissions, injuries to employees, and natural disasters. The District purchased commercial insurance to cover general liabilities. There were no significant reductions in coverage in the past year and there were no settlements exceeding insurance coverage.

7. Property Taxes

Clearwater Underground Water Conservation District has contracted with the Tax Appraisal District of Bell County for the assessment and collection of taxes. By September 1 of each year, the rate of taxation is set by the board of directors based upon the valuation of property within the District as of January 1. Taxes are due October 1, and become delinquent after January 31 of the following year.

8. Employee Benefits

a. Annual Leave

Annual leave (vacation) is a benefit provided to eligible, full-time, employees of the District. A full-time employee is one who is regularly scheduled to work thirty to forty hours per week. Annual leave is accrued at eight hours per pay period immediately upon employment but cannot be taken until the employee has reached the one hundred eighty (180) day probationary period. The accrual maximum is twelve days for an employee with up to five years of continuous service. After five years, an employee is entitled to accrue an additional three days for a total of fifteen days per year. An employee may carry-over leave up to a maximum of twenty-four days per fiscal year. Remaining accrued leave is payable up separation. Accrued compensated absences for September 30, 2022 was \$19,129.

b. Sick Leave

A full-time employee, as previously defined, is entitled to six days per year. Accrual of sick leave is at four hours prepay period and a full-time employee can accumulate up to twelve days with carry-over. Upon termination of employment, no accumulated sick leave will be paid and therefore, no accrual is recorded.

c. Retirement Plan

The District has established a Governmental 457 Deferred Compensation Plan as their retirement plan for full-time eligible employees. UMB Bank, N.A. is designated as trustee and Security Financial Resources, Inc. is the plan service provider. The District agrees to match employee contributions at 100% of the first 3% and 50% of the next 3% for a maximum match of up to 4.5% depending on the contribution of the employee. As of September 30, 2022, the employer match was \$10,335.

Notes to the Financial Statements For the Year Ended September 30, 2022

9. Litigation

At September 30, 2022, the District was not involved in any litigation.

10. Management Review of Subsequent Events

Management has evaluated subsequent events through February 7, 2023, the date on which the financial statements were available to be issued.

11. Reconciliation to Government-Wide Statements

Total fund balance - total governmental funds	\$ 997,794
Amounts reported for governmental activities in the statement of net assets are different because:	
Capital assets used in government activities are not financial resources; therfore, they are not reported in the funds.	469,152
Compensated absences are not a current requirement of resources and therefore are not accrued in the general fund.	(19,129)
Deferred inflows of resources are potential revenue that do not meet the "measurable" and "available" criteria; therefore, it is	
reported in the funds.	 23,957
Total net position	\$ 1,471,774

Notes to the Financial Statements For the Year Ended September 30, 2022

11. Reconciliation to Government-Wide Statements (Continued)

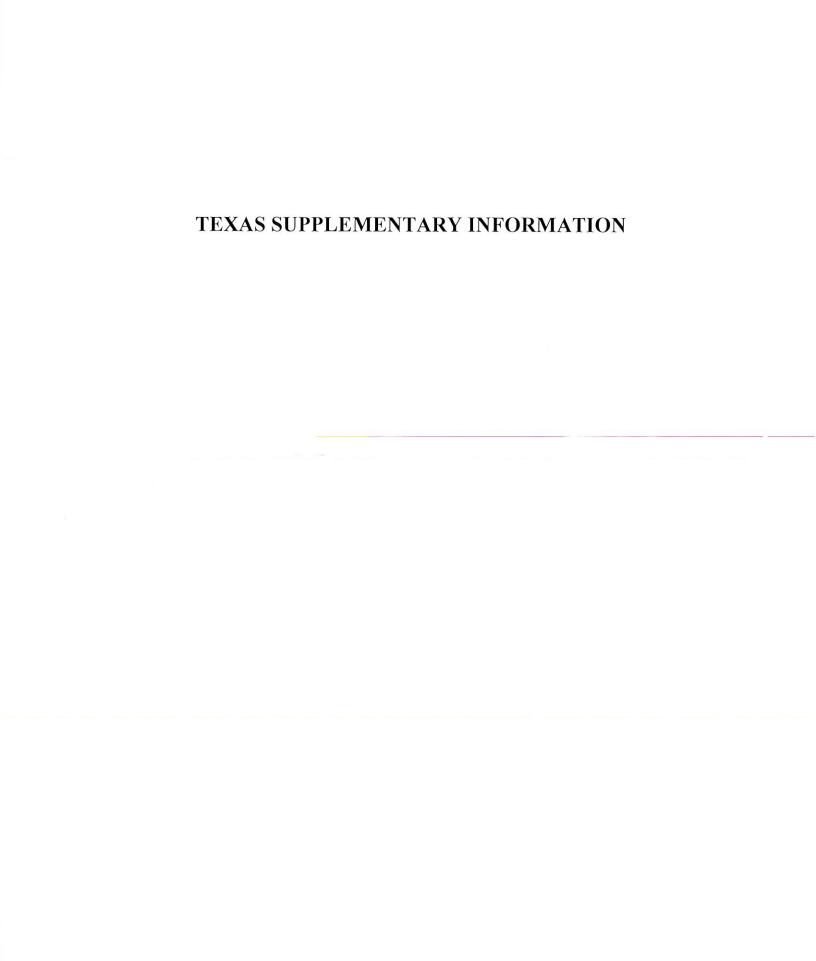
Net change in fund balance - total governmental funds	\$ 111,280	
Amounts reported for governmental activities in the statement are different because:		
Property tax revenues in the statement of activities that do not provide current financial resources are not reported as revenues		
in the fund.	2,749	
Adjustment made to compensated absences	(1,712)	
The net effect of various transactions involving capital assets (e.g. sales and disposals) is to decrease net position. See note 4.	(30,922)	
Governmental funds report capital outlays as expenditures; however, in the statement of activities, the cost of those assets is allocated over their estimated useful lives and reported as depreciation expense. This is the amount by which depreciation of \$30,218was more than capital outlays of		
\$-0	 (30,218)	
Change in net position	\$ 51,177	

REQUIRED SUPPLEMENTARY INFORMATION

BUDGETARY COMPARISON SCHEDULE

Required Supplementary Information Budgetary Comparison Schedule - General Fund For the Year Ended September 30, 2022

	Budgeted Amounts					Actual		iance with al Budget
	Original		Final		Amounts		Favorable (Unfavorable	
Revenues								
Property taxes	\$	787,106	\$	787,106	\$	757,692	\$	(29,414)
Permits and other fees		51,500		51,500		12,736		(38,764)
Interest and other income		1,000		1,000		8,542		7,542
Sale of assets				-		50,000		50,000
Total Revenues		839,606		839,606		828,970		(10,636)
Expenditures								
Administrative		132,764		46,012		25 200		20.012
Clearwater studies		92,500		139,629		25,200 108,277		20,812
Compensation and benefits		303,967		304,299		302,898		31,352
Director's fees		12,750		12,750		7,050		1,401 5,700
Educational outreach		19,500		18,393		14,784		3,609
Facility costs		22,375		23,545		21,574		1,971
Legal and professional		42,500		83,815		75,656		8,159
Other operating expenses		162,850		160,795		117,523		43,272
Payroll taxes		25,300		25,268		20,156		5,112
Spring flow gauge system		15,900		15,900		15,900		5,112
Utilities		9,200		9,200		8,672		528
Total Expenditures	-	839,606		839,606		717,690		121,916
)			,,,,,
Excess Revenues Over (Under) Expenditures	-			-		111,280		111,280
Net Changes in Fund Balance						111,280		111,280
Fund Balance - Beginning of the Year	40	886,514		886,514		886,514		-
Fund Balance - End of the Year	\$	886,514	\$	886,514	\$	997,794	\$	111,280
	10				_		-	



CLEARWATER CONSERVATION UNDERGROUND WATER CONSERVATION DISTRICT

TSI - 2: General Fund Expenditures

Personnel expenditures (including benefits)	\$	302,898
Professional fees: Auditing Legal		7,700 75,656
Utilities		8,672
Clearwater studies		108,277
Facility costs		21,574
Administrative expenditures		17,500
Directors fees		7,050
Educational outreach		14,784
Spring flow gauge system		15,900
Other expenditures	_	137,679
Total Expenditures	\$	717,690

TSI - 3: Temporary Investments

General Fund	ID or Certificate Number	Interest Rate	Maturity Date	salance at nd of Year	In Rec	crued terest eivable I of Year
Tex Pool - Investment Pool Tex Pool Prime - Investment Pool	449/7935800001 590/7935800001	2.8465% 3.1307%	5	\$ 474,328 480,537	\$	-
Total - All Funds				\$ 954,865	\$	-

TSI - 4: Taxes Levied and Receivable

					Maintenance Taxes
Taxes receivable, beginning of year 2021 original tax levy Less abatements Total to be accounted for Tax collections					\$ 21,208 774,997 - 796,205
Current year Prior years Total collections: Taxes receivable, end of year					771,883 6,518 778,401 \$ 17,804
Taxes receivable, by year 2021 2020 2019 2018 2017 and prior Taxes receivable, end of year					\$ 7,235 3,264 2,313 1,663 3,329 \$ 17,804
Property valuations Property valuations, net taxable	2021 \$ 24,999,251,580	2020 \$ 22,630,374,553	\$ 20,531,428,738	\$ 18,670,513,065	
Tax rates per \$100 valuation Maintenance tax rates Total tax rates per \$100 valuation	\$0.00310 \$0.00310	\$0.00327 \$0.00327	\$0.00357	\$0.00383	
Original tax levy:	774,997	740,538	\$0.00357 732,972	\$0.00383 715,081	
Percent of taxes collected to taxes levied	99.60%	98.59%	96.60%	96.75%	

TSI - 7: Comparative Schedule of Revenues and Expenditures General Fund - Five Years Ended

	Amounts									
		2022	022 2021		2020		2019		2018	
General Fund										
Revenues										
Property taxes	\$	757,692	\$	724,896	\$	716,887	\$	684,759	\$	660,854
Permits and other fees		12,736		24,736		13,866		6,689		7,767
Interest and other income		58,542		807	_	11,935		15,580		13,964
Total revenues	Ę	828,970	-	750,439		742,688	_	707,028		682,585
Expenditures										
Personnel		323,054		280,788		278,509		264,480		233,264
Professional fees		75,656		69,403		41,025		41,330		62,950
Clearwater studies		108,277		171,082		287,509		123,472		84,620
Administrative expenditures		25,200		23,918		36,110		25,528		28,126
Other expenditures	-	185,503		148,555		141,412		170,707		315,528
Total expenditures		717,690		693,746		784,565		625,517		724,488
Excess (Deficient) revenues										
over expenditures	\$	111,280	\$	56,693	\$	(41,877)	\$	81,511	_\$	(41,903)

Percent	of	Total	Fund	1R	evenues

2022	2021	2020	2019	2018
91.4%	96.6%	96.5%	96.9%	96.8%
1.5%	3.3%	1.9%	0.9%	1.1%
7.1%	0.1%	1.6%	2.2%	2.0%
100.0%	100.0%	100.0%	100.0%	100.0%
39.0%	37.4%	37.5%	37.4%	34.2%
9.1%	9.2%	5.5%	5.8%	9.2%
13.1%	22.8%	38.7%	17.5%	12.4%
3.0%	3.2%	4.9%	3.6%	4.1%
22.4%	19.8%	19.0%	24.1%	46.2%
86.6%	92.4%	105.6%	88.5%	106.1%
13.4%	7.6%	-5.6%	11.5%	-6.1%

TSI - 8: Board Members, Key Personnel, and Consultants For the Year Ended September 30, 2022

Complete District Mailing Address:	P.O. Box 1989, Belton, TX 76513
District Business Telephone Number:	(254) 933-0120
Submission Date of the Most Recent District Registration Form: (TWC Sections 36.054 and 49.054)	November 28, 2022
Limit on Fees of Office That a Director may Receive During a Fiscal Year: (TWC Section 36.060)	\$9,000

Names:	Term of Office (Elected or Appointed) or Date Hired	O fo	Fees of ffice Paid r the Year d 9/30/2022	Title at Year End
Board Members				
Leland Gersbach	Elected Nov. 2020-2024	\$	-	President
Gary Young	Elected Nov. 2018-2022	\$	2,400	Secretary
Jody Williams	Elected Nov. 2020-2024	\$	2,550	Director
Scott Brooks	Elected Nov. 2018-2022	\$	-	Director
David Cole	Elected Nov. 2018-2022	\$	2,100	Vice President
Key Administrative Personnel				
Dirk Aaron	June 2011	\$	100,000	General Manager
Shelly Chapman	October 2011	\$	56,000	Office Manager
Consultants				
Ludwick, Montgomery, & Stapp, P.C.	July 14, 2021	\$	7,700	Auditor
Lloyd Gosselink, Attorneys at law	2012	\$	82,201	Attorney
Bell County Tax Appraisal District	1989	\$	7,677	Tax appraiser/collector



1949 SCOTT BOULEVARD TEMPLE, TEXAS 76504 254.771.0061 - VOICE 254.771.1445 - FAX WWW.LMS-CPA.COM

INDEPENDENT AUDITORS' REPORT ON INTERNAL CONTROL OVER FINANCIAL REPORTING AND ON COMPLIANCE AND OTHER MATTERS BASED ON AN AUDIT OF FINANCIAL STATEMENTS PERFORMED IN ACCORDANCE WITH GOVERNMENT AUDITING STANDARDS

To the Board of Directors
Clearwater Underground Water Conservation District

We have audited, in accordance with the auditing standards generally accepted in the United States of America and the standards applicable to financial audits contained in *Government Auditing Standards* issued by the Comptroller General of the United States, the financial statements of the governmental activities, each major fund, and the aggregate remaining fund information of Clearwater Underground Water Conservation District, as of and for the year ended September 30, 2022, and the related notes to the financial statements, which collectively comprise Clearwater Underground Water Conservation District's basic financial statements, and have issued our report thereon dated February 7, 2023.

Report on Internal Control over Financial Reporting

In planning and performing our audit of the financial statements, we considered Clearwater Underground Water Conservation District's internal control over financial reporting (internal control) as a basis for designing audit procedures that are appropriate in the circumstances for the purpose of expressing our opinions on the financial statements, but not for the purpose of expressing an opinion on the effectiveness of Clearwater Underground Water Conservation District's internal control. Accordingly, we do not express an opinion on the effectiveness of Clearwater Underground Water Conservation District's internal control.

A *deficiency in internal control* exists when the design or operation of a control does not allow management or employees, in the normal course of performing their assigned functions, to prevent, or detect and correct, misstatements on a timely basis. A *material weakness* is a deficiency, or a combination of deficiencies, in internal control, such that there is a reasonable possibility that a material misstatement of the entity's financial statements will not be prevented, or detected and corrected on a timely basis. A *significant deficiency* is a deficiency, or a combination of deficiencies, in internal control that is less severe than a material weakness, yet important enough to merit attention by those charged with governance.

Our consideration of internal control was for the limited purpose described in the first paragraph of this section and was not designed to identify all deficiencies in internal control that might be material weaknesses or significant deficiencies. Given these limitations, during our audit we did not identify any deficiencies in internal control that we consider to be material weaknesses. However, material weaknesses or significant deficiencies may exist that have not been identified.

Report on Compliance and Other Matters

As part of obtaining reasonable assurance about whether Clearwater Underground Water Conservation District's financial statements are free from material misstatement, we performed tests of its compliance with certain provisions of laws, regulations, contracts, and grant agreements, noncompliance with which could have a direct and material effect on the financial statements. However, providing an opinion on compliance with those provisions was not an objective of our audit, and accordingly, we do not express such an opinion. The results of our tests disclosed no instances of noncompliance or other matters that are required to be reported under *Government Auditing Standards*.

Purpose of this Report

The purpose of this report is solely to describe the scope of our testing of internal control and compliance and the results of that testing, and not to provide an opinion on the effectiveness of the entity's internal control or on compliance. This report is an integral part of an audit performed in accordance with *Government Auditing Standards* in considering the entity's internal control and compliance. Accordingly, this communication is not suitable for any other purpose.

Judwick, Monty, + 8th

Temple, Texas February 7, 2023

CLEARWATER UNDERGROUND WATER CONSERVATION DISTRICT

Schedule of Findings, Responses, and Corrective Action Plan For the Year Ended September 30, 2022

FINANCIAL STATEMENT FINDINGS

There were no findings in the current year.

CLEARWATER UNDERGROUND WATER CONSERVATION DISTRICT Schedule of Prior Year Findings and Corrective Action Plan For the Year Ended September 30, 2022

There were no prior year findings.



Well Registration Totals - December 2022

Year	Exen	npt Wells	Non-	Exempt Wells		Monito	r Wells	Total
	Grandfathered	New	Grandfathered	Class 1	Class 2	Water	Envr	
2002 - 2021	4446	1134	106	41	70	26	121	5944
2022 - Jan	0	5	0	0	0	0	0	5
Feb	2	10	0	0	3	0	0	15
Mar	0	9	0	0	0	0	0	9
April	2	3	0	1	0	0	0	6
May	8	6	0	0	0	0	0	14
June	5	0	0	0	0	0	0	5
July	2	3	0	0	0	0	0	5
Aug	2	11	0	0	0	0	0	13
Sep	0	1	0	0	0	0	0	1
Oct	6	15	0	0	0	0	0	21
Nov	4	11	0	0	1	0	0	16
Dec	2	4	0	0	0	0	0	6
Total 2022	33	78	0	1	4	0	0	116
Grand Totals	4479	1212	106	42	74	26	121	6060



Non-exempt Wells--Edwards BFZ

				Acre-Feet							2022 Month	ly Productio	on (gallons)							
Ī			Hist.	Oper.	Total	. 1	[] _		l . I		_	_			_ [\/TD ft	0, 5,
File No	State #	Well Name	Permit	Permit	Permit	<u>Jan</u>	<u>Feb</u>	<u>Mar</u>	<u>Apr</u>	<u>May</u>	<u>Jun</u>	<u>Jul</u>	Aug	<u>Sep</u>	<u>Oct</u>	<u>Nov</u>	<u>Dec</u>	YTD	YTD ac-ft	% Permit
		Chick Landscaping	0	2.29	2.29	2,400	2,400	2,400	2,400	2,400	2,400	2,400	2,400	2,400	2,400	2,400	2,400	28,800	0.09	4%
N2-06-002G	5804324	Chick Landscaping Well #2				2,400	2,400	2,400	2,400	2,400	2,400	2,400	2,400	2,400	2,400	2,400	2,400	28,800	0.09	4%
											-			•						
		Jarrell-Schwertner WSC	301.20	153.00	454.20	10,296,716	10,292,137	11,671,669	12,549,253	14,350,853	17,254,754	17,897,940	18,502,487	14,798,712	15,566,621	7,656,136	7,828,962	158,666,240	486.93	107%
N2-02-041G	5804808	JSWSC (Prairie Dell 2)				4,290,066	4,264,686	4,956,787	5,107,122	5,806,425	5,342,252	7,421,495	7,231,966	5,247,113	6,315,619	3,062,584	2,356,119	61,402,234	188.44	63%
N2-02-042G	5804811	JSWSC (Prairie Dell 5)				3,283,167	3,267,896	3,620,475	4,107,421	4,693,612	5,618,569	5,169,249	5,578,294	4,696,097	5,008,125	2,474,597	3,313,437	50,830,939	155.99	52%
N2-03-005P	5804818	JSWSC (Prairie Dell 8)				2,723,483	2,759,555	3,094,407	3,334,710	3,850,816	6,293,933	5,307,196	5,692,227	4,855,502	4,242,877	2,118,955	2,159,406	46,433,067	142.50	31%
		Salado WSC	1,472.30	36.99	1,509.29	17,299,000	16,782,000	23,281,000	32,469,000	29,314,606	48,341,000	53,527,000	48,762,000	36,424,000	35,549,000	21,678,000	19,566,000	382,992,606	1,175.36	78%
N2-02-003G	5804602	Salado WSC (#1)				265,000	3,000	4,000	564,000	3,757,000	3,839,000	3,968,000	3,986,000	3,913,000	1,688,000	352,000	3,460,000	25,799,000	79.17	5%
N2-02-004G	5804604	Salado WSC (#2)				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
N2-02-005G	5804508	Salado WSC (#3)				6,845,000	5,699,000	4,361,000	2,752,000	4,240,000	5,240,000	6,607,000	5,651,000	4,137,000	4,326,000	2,412,000	1,784,000	54,054,000	165.89	11%
N2-02-006G	5804621	Salado WSC (#4)				1,379,000	1,558,000	3,325,000	4,389,000	4,912,000	6,888,000	8,329,000	8,174,000	5,486,000	4,873,000	2,811,000	0	52,124,000	159.96	11%
N2-02-007G	5804509	Salado WSC (#5)				948,000	1,027,000	4,594,000	4,466,000	7,606	9,377,000	9,351,000	8,152,000	6,591,000	8,295,000	3,635,000	2,186,000	58,629,606	179.93	12%
N2-02-008G	5804510	Salado WSC (#6)				1,241,000	680,000	2,828,000	5,417,000	8,263,000	9,475,000	10,484,000	8,763,000	7,706,000	6,881,000	4,527,000	2,878,000	69,143,000	212.19	14%
N2-02-009G	5804626	Salado WSC (#7)				1,581,000	2,386,000	2,682,000	3,580,000	6,577,000	8,843,000	9,269,000	8,804,000	6,667,000	7,712,000	3,932,000	3,563,000	65,596,000	201.31	13%
N2-02-010G	5804512	7KX Ranch (#8)				0	0	32,000	9,561,000	1,558,000	4,679,000	5,519,000	5,052,000	1,924,000	1,774,000	122,000	0	30,221,000	92.74	6%
N2-02-011G	5804513	7KX Ranch (#9)				5,040,000	5,429,000	5,455,000	1,740,000	0	0	0	180,000	0	0	3,887,000	5,695,000	27,426,000	84.17	6%
		Schwertner Farms	328.90	74.05	402.95	7,504,095	7,225,308	7,474,176	7,656,662	9,101,897	9,340,976	9,747,441	9,620,281	7,987,303	8,589,613	7,221,768	7,533,641	99,003,161	303.83	75%
N2-04-001G	5812302	Schwertner Farms CCL #1				1,663,017	1,670,457	1,664,204	1,745,387	2,187,248	2,273,656	2,423,651	2,423,651	1,895,169	2,108,091	1,627,003	1,680,748	23,362,282	71.70	18%
N2-04-002G	5812303	Schwertner Farms CCL #2				1,663,017	1,670,457	1,664,204	1,745,387	2,187,248	2,273,656	2,423,651	2,423,651	1,895,169	2,108,091	1,627,003	1,680,748	23,362,282	71.70	18%
N2-04-003G	5812304	Schwertner Farms CCL #3				1,663,017	1,670,457	1,664,204	1,745,387	2,187,248	2,273,656	2,423,651	2,423,651	1,895,169	2,108,091	1,627,003	1,680,748	23,362,282	71.70	18%
N2-04-004G	5812206	Schwertner Farms Eastland W.				305,303	260,933	325,125	311,185	274,788	285,362	309,876	241,587	252,450	231,345	257,958	237,677	3,293,589	10.11	3%
N2-04-005G	5812305	Schwertner Farms Blackwell				355,198	276,080	324,421	341,802	334,645	256,360	247,333	271,932	289,578	261,885	255,679	344,420	3,559,333	10.92	3%
N2-04-006G	5812306	Schwertner Farms ES #1				106,399	84,452	95,944	102,574	107,130	110,530	120,305	125,915	83,500	86,050	83,500	103,730	1,210,029	3.71	1%
N2-04-007G	5812307	Schwertner Farms ES #2				749,275	668,865	739,517	710,940	787,202	821,032	766,802	741,081	751,740	710,481	771,494	784,210	9,002,639	27.63	7%
N2-04-008G	5812308	Schwertner Farms ES #3				701,369	578,422	606,152	576,810	659,651	670,650	635,902	584,290	557,328	589,305	572,730	612,493	7,345,102	22.54	6%
N2-10-006P	5812604	Schwertner Farms Little D.				297,500	345,185	390,405	377,190	376,737	376,074	396,270	384,523	367,200	386,274	399,398	408,867	4,505,623	13.83	3%
		Stagecoach Inn	35.30	7.02	42.32	50,500	35,500	54,200	56,200	168,600	1,323,300	503,700	324,400	285,900	631,000	64,200	184,900	3,682,400	11.30	27%
N2-02-002G	5804623	Stagecoach (deep)				50,500	35,500	54,200	56,200	168,600	1,323,300	503,700	324,400	285,900	631,000	64,200	184,900	3,682,400	11.30	27%
N2-02-037G		Stagecoach (spring)				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%

Non-exempt Wells--Edwards BFZ

				Acre-Feet							2022 Month	nly Productio	n (gallons)							
	I	İ	Hist.	Oper.	Total								_ [_ [_				6	1
File No	State #	Well Name	Permit	Permit	Permit	<u>Jan</u>	<u>Feb</u>	<u>Mar</u>	<u>Apr</u>	<u>May</u>	<u>Jun</u>	<u>Jul</u>	Aug	<u>Sep</u>	<u>Oct</u>	<u>Nov</u>	<u>Dec</u>	YTD	YTD ac-ft	% Permit
<u></u>		.!	<u> </u>	!!	J.	<u> </u>			<u> </u>	Į.	J	<u>_</u>	<u>. </u>		J	J	J			
		Not Aggregated																		0%
N1-07-001P	4061802	James Schnitker	0	1.84	1.84	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	600,000	1.84	100%
N1-07-003P	5805405	Ronald Gravette	0	0.38	0.38	10,333	10,333	10,333	10,333	10,333	10,333	10,333	10,333	10,333	10,333	10,333	10,333	123,996	0.38	100%
N1-07-005P	5804817	Patricia Suarez	0	0.38	0.38	10,333	10,333	10,333	10,333	10,333	10,333	10,333	10,333	10,333	10,333	10,333	10,333	123,996	0.38	100%
N1-09-004P	5804322	Domingo Perez	0	0.53	0.53	14,416	14,416	14,416	14,416	14,416	14,416	14,416	14,416	14,416	14,416	14,416	14,416	172,992	0.53	100%
N1-10-001P	4061713	Kenneth Stone	0	0.57	0.57	15,445	15,445	15,445	15,445	15,445	15,445	15,445	15,445	15,445	15,445	15,445	15,445	185,340	0.57	100%
N1-13-002P	4061714	Janet Stone	0	0.34	0.34	9,233	9,233	9,233	9,233	9,233	9,233	9,233	9,233	9,233	9,233	9,233	9,233	110,796	0.34	100%
N1-14-001P	5805406	Karen Duerr	0	0.27	0.27	7,331	7,331	7,331	7,331	7,331	7,331	7,331	7,331	7,331	7,331	7,331	7,331	87,972	0.27	100%
N1-18-002P	5812203	Windy Meadows	0	0.47	0.47	12,762	12,762	12,762	12,762	12,762	12,762	12,762	12,762	12,762	12,762	12,762	12,762	153,144	0.47	100%
N1-20-001P	4061710	Dillman Trust	0	0.59	0.59	16,060	16,060	16,060	16,060	16,060	16,060	16,060	16,060	16,060	16,060	16,060	16,060	192,720	0.59	100%
N1-20-002P	4060913	Donald & Sheryl Rich	0	0.39	0.39	10,706	10,706	10,706	10,706	10,706	10,706	10,706	10,706	10,706	10,706	10,706	10,706	128,472	0.39	101%
N2-03-004G	5804627	Salado ISD (MS)	1.50	0	1.50	9,720	9,720	0	9,720	9,720	9,720	9,720	9,720	9,720	9,720	9,720	9,720	106,920	0.33	22%
N2-04-017G	5804643	Sonic of Salado	0	0.86	0.86	1,980	2,080	2,180	2,680	2,270	2,880	2,660	2,340	2,260	2,060	1,980	1,880	27,250	0.08	10%
N2-07-005G	5803808	RLF Salado Quarries (Office)	0	3.91	3.91															0%
N2-07-010G	5804637	Bloomer Mfg.	0	2.07	2.07	8,655	0	12,413	11,436	16,005	10,516	16,862	11,098	14,211	13,312	15,452	7,398	137,358	0.42	20%
N2-08-004P	5804644	Lonnie Sherman	0	1.10	1.10	0	0	150	300	90	110	160	140	150	80	100	1,730	3,010	0.01	1%
N2-09-002P	5804645	O. W. Lowery	0	1.84	1.84	45,830	42,140	51,910	29,270	61,920	83,530	108,790	63,190	58,820	65,600	9,530	23,660	644,190	1.98	107%
N2-09-004G	5804646	Salado UMC	0	1.86	1.86	565	0	1,038	34,325	29,146	37,902	26,267	41,430	30,610	30,280	5,070	0	236,633	0.73	39%
N2-11-004P	5804631	Charles Broecker	0	0.99	0.99	3,000	0	3,000	12,000	12,000	11,000	18,000	18,000	18,000	7,000	0	0	102,000	0.31	31%
N2-11-005P	5805108	James & Terry Boston	0	1.66	1.66	2,282	1,059	1,589	1,213	1,477	1,532	1,085	857	1,746	966	1,557	1,372	16,735	0.05	3%
N2-15-003P	5804325	Anthony Craft	0	0.60	0.60	2,050	2,390	2,390	1,000	890	890	500	930	640	585	585	1,125	13,975	0.04	7%
N2-15-004P	5804633	Scott Law Well #1, Guthrie	0	0.60	0.60															0%
N2-15-005P	5804634	Scott Law Well #2, Guthrie	0	0.60	0.60	4,780	12,564	12,950	15,980	18,550	21,300	26,470	11,310	7,530	7,510	3,770	6,360	149,074	0.46	76%
N2-15-006P		Scott Law Well #3	0	0.60	0.60															0%
N2-15-007P		Scott Law Well #4	0	0.60	0.60															0%
N2-15-008P		Scott Law Well #5	0	0.60	0.60															0%
N2-15-009P	5805110	Scott Law Well #6 - Reed	0	0.60	0.60															0%
N2-15-010P	5805109	Scott Law Well #7 - Brady Woods	0	0.75	0.75	5,410	5,410	22,900	33,200	20,980	20,980	71,310	15,170	15,170	15,170	478	411	226,589	0.70	93%
N2-15-011P		Scott Law Well #8	0	0.60	0.60															0%
N2-15-012P	5804316	Scott Law Well #9 - Jana Lever	0	0.60	0.60															0%
N2-16-002G	5804647	Charles Dunifer	0	0.60	0.60	1,500	5,000	3,100	3,000	12,200	17,000	21,700	16,200	10,800	4,800	1,000	100	96,400	0.30	49%
N2-17-001P	5804305	Heart of Texas Feed	0	0.14	0.14	800	560	740	510	1,670	1,860	2,590	520	400	910	500	650	11,710	0.04	26%
N2-19-007P	5804640	Brazos Valley Equine Hospital	0	1.32	1.32	22,500	17,300	23,100	24,800	24,100	24,000	28,400	19,400	25,000	20,900	22,500	25,100	277,100	0.85	64%
N2-20-001G	5804319	SDG Properties	0	0.67	0.67															0%
N2-20-006G	4061711	Reddylee LLC	0	9.97	9.97	63,180	47,440	48,070	68,680	87,380	222,560	256,560	217,480	133,950	133,300	420	105	1,279,125	3.93	39%
N2-21-002G	5804320	R&A Hauling	0	2.15	2.15	163,510	21,155	31,419	35,808	42,278	45,859	51,461	56,514	59,074	64,478	14,270	32,060	617,886	1.90	88%
N2-21-006P	5804321	Salado RV Park	0	2.98	2.98	5,600	7,600	14,900	8,200	22,200	10,100	14,600	14,000	14,300	14,600	13,500	15,100	154,700	0.47	16%
N2-21-007P		Belton Partners LLC	0	2.50	2.50															0%
Totals:			2,139.20	319.88	2,459.08	35,650,692	34,668,382	42,871,913	53,182,256	53,457,851	76,940,788	82,492,235	77,866,486	60,057,315	60,886,524	36,879,555	35,399,293	650,353,290	1,995.86	81%

Acre-Feet 2022 Monthly Production (gallons)

File No	State #	Well Name	Hist. Permit	Oper. Permit	Total Permit	<u>Jan</u>	<u>Feb</u>	<u>Mar</u>	<u>Apr</u>	<u>May</u>	<u>Jun</u>	<u>Jul</u>	<u>Aug</u>	<u>Sep</u>	<u>Oct</u>	<u>Nov</u>	<u>Dec</u>	<u>YTD</u>	YTD ac-ft	% Permit
		Armstrong WSC	154.90	333.00	487.90	1,352,000	489,000	931,480	2,095,210	2,514,550	4,072,500	6,415,670	5,548,740	4,504,730	3,381,820	2,200,370	848,010	34,354,080	105.43	22%
N2-02-024G	5805202	Armstrong WSC #1				0	0	17,480	21,210	16,550	16,500	16,670	16,740	17,730	14,820	6,370	10	144,080	0.44	0%
N2-10-001P	5805502	Armstrong WSC #2				1,352,000	489,000	914,000	2,074,000	2,498,000	4,056,000	6,399,000	5,532,000	4,487,000	3,367,000	2,194,000	848,000	34,210,000	104.99	22%
		Bell Milam Falls WSC	262.20	0	262.20	1,961,700	2,045,100	844,000	5,961,800	8,498,900	11,195,500	12,426,300	10,687,700	7,933,000	10,372,100	5,549,000	6,161,600	83,636,700	256.67	98%
N2-02-038G	5806601	Bell-Milam-Falls WSC (Rogers)				673,700	270,100	0	3,249,800	4,935,900	5,811,500	5,832,300	5,306,700	4,239,000	4,725,100	3,673,000	2,967,600	41,684,700	127.93	49%
N2-02-046G	5814402	Bell-Milam-Falls WSC (Bartlett)				1,288,000	1,775,000	844,000	2,712,000	3,563,000	5,384,000	6,594,000	5,381,000	3,694,000	5,647,000	1,876,000	3,194,000	41,952,000	128.75	49%
		Control Torres MCC		1 776 00	1 770 00	0	0	96.458.000	1 422 000	10 503 000	11.666.000	12 002 000	17.005.000	2 1 4 7 000	0.630.000	13.005.000	10.012.000	102 700 000	FC4 03	220/
N2-14-004P	5804203	Central Texas WSC CTWSC Doc Curb	0	1,776.00	1,//6.00	0	0	30, 130,000	1,433,000	10,502,000	411,000	12,992,000 1,808,000	17,895,000 70,000	2,147,000	8,620,000	12,065,000	10,012,000	183,790,000 4,576,000	564.03 14.04	32%
N2-14-004P N2-14-005P	5804203			1		0	0	96,458,000	743,000 690,000	1,544,000	11,255,000	1,808,000	17,825,000	0 2,147,000	0 8,620,000	12,065,000	10,012,000	179,214,000		1% 31%
NZ-14-005P	5806202	CTWSC System Split Well				U	U	96,458,000	690,000	8,958,000	11,255,000	11,184,000	17,825,000	2,147,000	8,620,000	12,065,000	10,012,000	179,214,000	549.99	31%
		City of Troy	119.90	350.60	470.50	8 000	35,400	9.300	56.700	453,900	24.500	200	555.100	1.042.900	1,645,100	1,061,700	332.400	5.225.200	16.04	3%
N2-02-036G	4054503	City of Troy #1	113.30	330.00	470.30	8,000	1,400	9,300	56,700	26,600	0	100	555,100	866,900	1,645,100	1,061,700	332,400	4,563,300	14.00	3%
N2-02-030G N2-15-002P						8,000	34,000	9,300	0	427,300	24,500	100	0	176,000	1,043,100	0	0	661,900	2.03	0%
142 13 0021	4034201	City of 110y 112					34,000		U U	427,300	24,300	100	J	170,000	ŭ	<u> </u>	Ü	001,500	2.03	
		East Bell WSC	69.70	114.85	184.55	785.000	884.000	1.129.000	1.156.000	833.000	5.170.000	4.939.360	6.645.260	4.124.610	5.404.730	2.635.060	1.060.190	34.766.210	106.69	71%
N2-02-034G	4063501	East Bell WSC #1				458,000	561,000	778,000	693,000	379,000	2,412,000	2,957,000	3,186,000	2,120,000	2,410,000	890,000	594,000	17,438,000	53.52	52%
N2-04-010P	5806301	East Bell WSC #2				327,000	323,000	351,000	463,000	454,000	2,758,000	1,982,360	3,459,260	2,004,610	2,994,730	1,745,060	466,190	17,328,210	53.18	35%
			•		•			·		•										
		Leon River Turkey Farms	60.90	0	60.90	15,900	14,100	17,100	18,300	19,500	23,700	23,500	25,600	24,600	23,200	21,700	20,800	248,000	0.76	1%
N2-02-043G	4053301	Leon River Turkey (East)				7,500	4,000	6,200	6,800	7,200	8,100	8,200	9,100	8,700	8,200	8,000	8,200	90,200	0.28	0%
N2-02-044G	4053302	Leon River Turkey (West)				1,000	900	1,100	1,200	1,300	1,600	1,500	2,400	2,100	1,600	1,400	1,100	17,200	0.05	0%
N2-02-045G	5805403	Leon River Turkey				7,400	9,200	9,800	10,300	11,000	14,000	13,800	14,100	13,800	13,400	12,300	11,500	140,600	0.43	1%
		Lhoist	40.00	0	40.00	22,728	23,402	27,097	25,010	27,736	29,235	28,833	29,120	29,783	29,868	23,744	19,316	315,872	0.97	_,_
N2-03-002G	4060101	LHoist #1				22,728	23,402	27,097	25,010	27,736	29,235	28,833	29,120	29,783	29,868	23,744	19,316	315,872	0.97	2%
N2-03-003G	4060102	LHoist #2																		0%
NO 00 000 T	4050:00	Moffat WSC	47.70	157.80	205.50	6,001,000	4,299,000	6,231,000	7,581,000	4,242,000	6,581,000	5,101,000	268,000	4,736,000	10,163,000	5,708,000	5,590,000	66,501,000	204.08	99%
N2-02-022G	4053406	Moffat WSC #1				824,000	923,000	1,271,000	1,488,000	2,176,000	2,209,000	1,778,000	229,000	1,112,000	2,256,000	761,000	1,056,000	16,083,000	49.36	24%
N2-13-001P	4053507	Moffat WSC #2		1		5,177,000	3,376,000	4,960,000	6,093,000	2,066,000	4,372,000	3,323,000	39,000	3,624,000	7,907,000	4,947,000	4,534,000	50,418,000	154.73	75%
		Dandleton WCC	75.30	26.00	112.20	1.522.400	660 300	1.946.500	2.949.500	3.483.500	4 709 000	6.008.600	4.850.700	2 902 700	2.505.200	2 205 200	2.840.800	37.663.300	115.58	_1030/
N2-02-047G	4054401	Pendleton WSC Pendleton WSC (#1)	/5.30	36.90	112.20		660,200	_,,		0,:00,000	4,708,000	-,,	.,,	3,892,700		2,295,200 1,338,200	_,_,_,_,_	//	66.36	59%
		` '				1,425,400	660,200	695,500	1,571,200	1,860,800	2,486,400	3,157,800	2,720,700	2,043,400	2,236,600		1,425,800	21,622,000		59% 44%
N2-02-048G	4054502	Pendleton WSC (#2)		1		97,000	0	1,251,000	1,378,300	1,622,700	2,221,600	2,850,800	2,130,000	1,849,300	268,600	957,000	1,415,000	16,041,300	49.23	44%

Acre-Feet	2022 Monthly Production (gallons)

1				- I	 ,	·				1		iny i roducti					ı			
			Hist.	Oper.	Total	lan	Гob	Man	Δ	Mari	la	11	A	Com	0.4	New	Doo	VTD	YTD ac-ft	% Permit
File No	State #	Well Name	Permit	Permit	Permit	<u>Jan</u>	<u>Feb</u>	<u>Mar</u>	<u>Apr</u>	<u>May</u>	<u>Jun</u>	<u>Jul</u>	Aug	<u>Sep</u>	<u>Oct</u>	<u>Nov</u>	<u>Dec</u>	YTD	TID ac-it	70 Permit
		Not Aggregated																		0%
N1 OF 001D	4057007		0	0.67	0.67	18,250	10.250	10.250	10.250	10.250	10.250	10.250	10 250	10.250	10.250	10 250	18,250	210.000	0.67	100%
N1-05-001P	4057907	John Kurzyniec	0	0.67	0.67		18,250	18,250	18,250	18,250	18,250	18,250	18,250	18,250	18,250	18,250		219,000	0.67	
N1-07-002P	4060405	Ingo Smith	0	1.57	1.57	42,766	42,766	42,766	42,766	42,766	42,766	42,766	42,766	42,766	42,766	42,766	42,766	513,192	1.57	100%
N1-08-001P	4057908	Yong Conway	0	1.59	1.59	43,120	43,120	43,120	43,120	43,120	43,120	43,120	43,120	43,120	43,120	43,120	43,120	517,440	1.59	100%
N1-09-003P	4053707	Laurie Gehring	0	0.34	0.34	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
N1-11-002P	5803201	Andrew Robertson	0	0.59	0.59	16,021	16,021	16,021	16,021	16,021	16,021	16,021	16,021	16,021	16,021	16,021	16,021	192,252	0.59	100%
N1-16-001P	5803505	Richard Ross	0	0.70	0.70	19,008	19,008	19,008	19,008	19,008	19,008	19,008	19,008	19,008	19,008	19,008	19,008	228,096	0.70	100%
N1-16-004P	4059804	Michael Maples	0	0.39	0.39	10,590	10,590	10,590	10,590	10,590	10,590	10,590	10,590	10,590	10,590	10,590	10,590	127,080	0.39	100%
N1-16-005P	4059803	David Cole	0	0.39	0.39	10,590	10,590	10,590	10,590	10,590	10,590	10,590	10,590	10,590	10,590	10,590	10,590	127,080	0.39	100%
N1-16-006P	4057603	Ronald Ham	0	0.53	0.53	14,391	14,391	14,391	14,391	14,391	14,391	14,391	14,391	14,391	14,391	14,391	14,391	172,692	0.53	100%
N1-17-002P	5802506	Advanced Electrical Systems	0	0.88	0.88	24,000	24,000	24,000	24,000	24,000	24,000	24,000	24,000	24,000	24,000	24,000	24,000	288,000	0.88	100%
N1-18-001P	5803506	William Lutz	0	0.36	0.36	9,672	9,672	9,672	9,672	9,672	9,672	9,672	9,672	9,672	9,672	9,672	9,672	116,064	0.36	99%
N1-18-003P	4059302	Myers	0	1.98	1.98	53,765	53,765	53,765	53,765	53,765	53,765	53,765	53,765	53,765	53,765	53,765	53,765	645,180	1.98	100%
N1-18-004P	5803404	Justin Scott	0	0.22	0.22	6,083	6,083	6,083	6,083	6,083	6,083	6,083	6,083	6,083	6,083	6,083	6,083	72,996	0.22	102%
N1-19-003P	5802505	Gary Kelley	0	0.22	0.22	5,353	5,353	5,353	5,353	5,353	5,353	5,353	5,353	5,353	5,353	5,353	5,353	64,236	0.22	100%
			0					·				,			•					
N1-19-007P	4057906	Cristy & Larry Bickel		0.60	0.60	16,292	16,292	16,292	16,292	16,292	16,292	16,292	16,292	16,292	16,292	16,292	16,292	195,504	0.60	100%
N1-19-008P		Cristy & Larry Bickel	0	0.60	0.60															0%
N2-02-001G		Bell Co. WCID #2	184.20	21.60	205.80	2,470,000	2,358,000	2,636,000	2,806,000	2,830,000	3,700,000	4,851,000	5,019,000	3,325,000	2,324,000	2,388,000	2,286,000	36,993,000	113.53	55%
N2-02-012G	5807701	City of Rogers	139.40	0	139.40														_[0%
N2-02-013G	5805901	City of Holland	158.40	0	158.40															0%
N2-02-017G	4055701	Oenaville / Belfalls WSC	16.20	20.79	36.99	22,852	28,850	60,780	70,844	85,920	578,188	328,433	418,180	166,400	0	182,528	35,760	1,978,735	6.07	16%
N2-02-035G	5804642	Mill Creek Country Club, LLC	61.90	60.00	121.90	0	0	0	0	0	2,160,000	2,160,000	1,080,000	0	0	0	0	5,400,000	16.57	14%
N2-02-039G	4054801	Little Elm Valley WSC	91.20	0	91.20	1,250,700	514,600	1,164,700	3,793,000	4,645,000	2,795,300	3,791,000	3,024,800	2,655,900	2,681,600	1,892,900	2,414,200	30,623,700	93.98	103%
N2-02-040G	4062801	Bell Co. WCID #5	20.70	8.00	28.70	0	0	300	107,500	439,600	563,300	751,500	728,600	543,300	522,800	314,800	494,000	4,465,700	13.70	48%
N2-03-001G	4062401	Cen. TX Vet. Hospital	0	60.00	60.00	0	0	0	0	118,600	338,900	0	0	119,500	0	0	0	577,000	1.77	3%
N2-04-011P	4061407	BellTec	0	1.30	1.30	0	0	100	0	0	0	0	140	130	0	0		370	0.00	0%
N2-05-003P	40589	Texas Veterans Land Board	0	36.80	36.80	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
N2-05-003P		Salado B.P. / Ronnie Tynes	0	11.05	11.05	U	U	0	0	U	0	0	U	U		0	U		$\overline{}$	0%
	1					17.500	35 000	42.000	F7 000	F0 000	105 000	00.530	60 500	70,000	60,000	14.000	16 000	C24 F20	1.05	
N2-06-008P	4053709	VillasDelSol / John Henderson	0	3.13	3.13	17,500	25,000	42,000	57,000	59,000	105,000	90,530	69,500	79,000	60,000	14,000	16,000	634,530	1.95	62%
N2-07-003G	+	Killeen Crushed Stone	0	36.00	36.00	1,338,100	100	312,600	852,300	675,400	987,900	1,369,600	821,500	0	891,300	145,600	0	7,394,400	22.69	63%
N2-07-006G	1	Maxdale Cowboy Church	0	0.16	0.16														<u>_</u>	0%
N2-07-007G	+	Garden of Hope of Central Texas	0	0.01	0.01	270	270	270	270	270	270	270	270	270	270	270	270	3,240	0.01	99%
N2-07-008G	5803809	Apache Stone	0	22.66	22.66	63,038	61,879	72,633	53,323	67,402	65,680	69,390	64,306	58,140	58,451	61,287	62,700	758,229	2.33	10%
N2-07-009G	4058701	Parrie Haynes Ranch	0	13.80	13.80	44,443	68,463	73,549	81,115	71,847	82,186	66,685	58,294	54,456	64,425	66,749	73,816	806,028	2.47	18%
N2-07-011G	5804624	Stagecoach (Spa)	0	0.05	0.05	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
N2-07-012G	4053710	Temple Park Estates	0	9.50	9.50	41,590	30,420	39,790	94,280	96,240	224,040	293,580	66,410	162,190	179,770	49,670	40,550	1,318,530	4.05	43%
N2-08-001P	5803912	5 Womans Materials	0	16.03	16.03	80,500	27,510	160,070	80,110	140,590	140,000	497,050	132,800	280,560	41,830	44,980	42,480	1,668,480	5.12	32%
		Salado ISD (HS)	0	21.41	21.41	49,000	100	0	139,000	127,800	986,800	425,500	667,900	547,000	194,500	100	0	3,137,700	9.63	45%
N2-08-003G		City of Harker Heights	0	1.16	1.16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
N2-09-001P		Kimberly Langston	0	12.32	12.32	340	180	140	3,210	204	3,111	22,365	1,150	169	623	381	88	31,961	0.10	1%
		R S Materials Group	0	16.67	16.67	337,292	741,223	606,582	3,210	488,183	319,612	424,758	291,038	249,664	641,193	277,427	363,766	4,740,738	14.55	87%
		·							E 024											
	4061408	UMHB	0	7.50	7.50	1,397	0	6,255	5,831	12,309	28,022	30,286	1,293	401	954	546	127	87,421	0.27	4%
		Trinity Oasis LLC (Jack Hilliard Dozer and Ma	0	279.00	279.00	6,818,300	4,738,700	8,248,800	5,162,500	10,045,200	6,819,800	8,385,700	7,193,000	5,356,899	6,060,800	5,477,800	4,278,800	78,586,299	241.17	86%
		CenTex Acres 1 (Winterowd)	0	0.61	0.61	1,110		8,581	1,570	1,320	1,630	2,026	3,210	1,872	3,210	52	78	24,659	0.08	12%
		CenTex Acres 2 (Penney)	0	0.61	0.61	4,970	4,660	5,010	6,860	7,320	9,790	27,340	10,010	6,580	4,980	4,200	4,090	95,810	0.29	48%
N2-19-003P		Eveans	0	0.50	0.50	9,543	9,543	9,543	9,543	9,543	9,543	9,543	9,543	9,543	9,730	9,730	9,730	115,077	0.35	71%
N2-20-002P	5803406	Hines Texas, LLC #1	0	4.14	4.14	44,355	44,355	44,355	44,355	44,355	44,355	44,355	44,355	44,355	15,150	45,983	45,983	506,311	1.55	38%
N2-20-003P	5803407	Hines Texas, LLC #2	0	4.14	4.14	4,809	4,809	4,809	4,809	4,809	4,809	4,809	4,809	4,809	0	0	0	43,281	0.13	3%
N2-20-004P	5803408	Hines Texas, LLC #3	0	4.14	4.14	8,260	8,260	8,260	8,260	8,260	8,260	8,260	8,260	8,260	71,770	135,313	135,313	416,736	1.28	31%
N2-20-005P		Hines Texas, LLC #4	0	4.14	4.14	· 1	,	,		·	•	,	,	·	•		·	•		0%
N2-21-001P		Victory Rock LLC	0	30.00	30.00														1	0%
N2-21-003P		David & Denea Reaves	0	0.54	0.54														- 	0%
		Nathan & Danielle McNeal	0	0.40	0.40	5,900	2,400	4,000	2,500	2,500	4,500	3,000	3,000	3,000				30,800	0.09	24%
	1		-												272	272	272			
N2-22-002P		Scott Gillman	0	0.39	0.39	0	0	0	0	0	0	0	0	0	273	273	273	819	0.00	1%

Totals: 1,502.60 3,489.71 4,992.31 24,572,898 17,409,425 121,392,505 34,950,601 50,846,659 63,741,332 71,882,344 66,516,489 42,402,622 56,262,548 42,962,264 37,479,041 630,418,728 1,934.68 39

Non-exempt Wells--Other

				Acre-Feet							2022 Mon	thly Producti	on (gallons)							
File No	State #	Well Name	Hist. Permit	Oper. Permit	Total Permit	<u>Jan</u>	<u>Feb</u>	<u>Mar</u>	<u>Apr</u>	<u>May</u>	<u>Jun</u>	<u>Jul</u>	Aug	<u>Sep</u>	<u>Oct</u>	<u>Nov</u>	<u>Dec</u>	<u>YTD</u>	YTD ac-ft	% Permit
		Bradley Ware	0	160.00	160.00	2,346,129	2,769,736	2,313,544	3,095,587	2,900,077	4,464,163	7,168,730	10,133,978	6,517,028	2,965,247	1,922,523	1,368,575	47,965,317	147.20	92%
N2-11-001G	5802106	Bradley B. Ware				1,759,597	1,987,693	1,694,427	2,248,374	1,889,938	2,020,278	4,529,334	6,810,294	4,627,090	2,215,789	1,368,576	1,075,309	32,226,699	98.90	62%
N2-11-002G	5802107	Bradley B. Ware				586,532	782,043	619,117	847,213	1,010,139	2,443,885	2,639,396	3,323,684	1,889,938	749,458	553,947	293,266	15,738,618	48.30	30%
		Strasburger Farms	271.80	33 84	305 64	0	0	0	3.888.000	25.680.000	35.817.000	15.850.000	6.926.000	0	0	0	0	88.161.000	270.56	89%
N2-02-026G		DO NOT USE - Strasburger Farms (#2)	271.00	33.04	303.04	ŭ	J	ŭ	3,866,666	23,000,000	33,817,000	13,830,000	0,320,000	J	J	· ·		33,101,000	270.30	0%
N2-02-027G	5806801	Strasburger Farms (#4)				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
N2-02-028G	5000001	DO NOT USE-Strasburger Farms (#5)				,		-	-		-			-	Ū			•		0%
N2-02-029G	5806802	Strasburger Farms (#6)				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
N2-02-030G	5806901	Strasburger Farms (#10)				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
N2-02-031G	5806902	Strasburger Farms (#11)				0	0	0	0	7,536,000	11,184,000	5,645,000	2,576,000	0	0	0	0	26,941,000	82.68	27%
N2-02-032G	5806803	Strasburger Farms (#15)				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
N2-02-033G	5806804	Strasburger Farms (#16)				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
N2-12-002P	5806805	Strasburger Farms (#5)				0	0	0	3,888,000	4,590,000	10,080,000	4,125,000	0	0	0	0	0	22,683,000	69.61	23%
N2-18-001P	5806501	Strasburger Farms (#2)				0	0	0	0	13,554,000	14,553,000	6,080,000	4,350,000	0	0	0	0	38,537,000	118.27	39%
		Not Aggregated				1						15.005	4.5.0.5	1-00-		4- 00-	4- 00-			0%
	5806701	Stephen Spinn	0	0.56	0.56	15,207	15,207	15,207	15,207	15,207	15,207	15,207	15,207	15,207	15,207	15,207	15,207	182,484	0.56	100%
N1-11-001P	4060603	Roy Rodriquez	0	0.55	0.55	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	180,000	0.55	100%
N1-16-007P	5805903	Wells Fargo Bank	0	0.79	0.79	21,390	21,390	21,390	21,390	21,390	21,390	21,390	21,390	21,390	21,390	21,390	21,390	256,680	0.79	100%
N1-21-001P	5814101	Kelly Carter	0	0.87	0.87	23,664	23,664	23,664	23,664	23,664	23,664	23,664	23,664	23,664	23,664	23,664	23,664	283,968	0.87	100%
N2-06-007G	4061903	Misty Creek HOA	0	6.45	6.45	14,200	12,000	14,500	14,700	15,200	15,500	17,050	17,050	15,000	15,800	15,000	14,300	180,300	0.55	9%
N2-07-013G	5806104	D.R. Dorsey Properties	0	2.47	2.47	40	35	45	31	32	22	21	7	14	45	14	9	315	0.00	0%
-	4061607	Barking Oaks	0	0.62	0.62	5,260	5,430	6,050	6,280	5,860	6,370	6,160	5,760	5,360	5,210	5,870	6,190	69,800	0.21	35%
	4061511	Lone Star Paving	0	1.07	1.07	46	88	59	60	142	141	50	59	123	102	55	168	1,093	0.00	0%
	4061512	Trio Investments	0	0.18	0.18	100	200	100	100	100	400	200	300	200	100	100	100	2,000	0.01	3%
N2-10-007P	4061715	Goode Towing	0	0.05	0.05	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
N2-14-001G	5806806	Mikeska	0	100.00	100.00	0	0	0	6,734,262	6,734,262	6,734,262	3,860,000	1,955,108	922,159	0	0	0	26,940,053	82.68	83%
N2-16-001P	4061410	Strike 3 Bail Bonds	0	0.12	0.12	300	310	300	280	320	380	290	310	270	300	320	360	3,740	0.01	10%
Totals:			271.80	307.57	579.37	2,441,336	2.863.060	2,409,859	13,814,561	35,411,254	47.113.499	26,977,762	19.113.833	7.535.415	3.062.065	2.019.143	1.464.963	164.226.750	503.99	87%





CUWCD Exempt Well Use Summary

Aquifer	Total Active Registered Exempt Wells ³	Registered Domestic Wells	Estimated Domestic Use Gallons/Day ^{1,2}	Estimated Domestic Use Ac- ft/Year ^{1,2}	Registered Stock Wells	Estimated Stock Use Gallons/Day ⁴	Estimated Stock Use Ac-ft/Year ⁴	Total Estimated Use Gallons/Day ⁷	Total Estimated Exempt Well Use Ac-ft/Year ⁷	MAG Reserved Exmpt
Glen Rose (Upper Trinity)	426	349	102,103	114	77	66,528	75	168,631	189	Well Use
Hensell (Middle Trinity)	972	911	417,446	468	61	52,704	59	470,150	527	Well God
Hosston (Lower Trinity)	159	148	43,299	49	11	9,504	11	52,803	59	
Trinity (Total) ⁶	1,557	1,408	562,848	630	149	128,736	144	691,584	775	1,419
Edwards BFZ	846	715	209,180	234	131	113,184	127	322,364	361	825
Edwards Equivalent	485	386	112,928	126	99	85,536	96	198,464	222	
Buda	28	15	4,388	5	13	11,232	13	15,620	17	
Lake Waco	8	3	878	1	5	4,320	5	5,198	6	
Austin Chalk	226	141	41,251	46	85	73,440	82	114,691	128	
Ozan	161	114	33,352	37	47	40,608	45	73,960	83	
Pecan Gap	67	44	12,873	14	23	19,872	22	32,745	37	
Kemp	15	11	3,218	4	4	3,456	4	6,674	7	
Alluvium	584	377	110,295	124	207	178,848	200	289,143	324	
Other ⁵	1,574	1,091	319,183	358	483	417,312	467	736,495	825	
CUWCD Total Active	3,977	3,214	1,091,212	1,222	763	659,232	738	1,750,444	1,961	

- 1. Domestic use estimate assumes 106 gallons/person per day (USGS estimate of domestic use outside of a municipal water system) and 2.76 persons/household (U.S. Census Bureau, Population Estimates Program (PEP) July 1, 2019)
- 2. Benjamin G. Wherley, Ph.D. Associate Professor- Turfgrass Science & Ecology Dept. of Soil and Crop Sciences Texas A&M University estimate of 2,000ft² warm season turfgrass requires 38,855gal/yr/lawn or 106gal/day/lawn; "Ranchette" Avg. lawn size is 13,042ft², 6.5X larger; 6.5 X 106gal/day/lawn= 689gal/day/lawn; ~217 "Ranchette" Middle Trinity Wells; 689 X 217=an additional 150,924gal/day/lawn; 490ac-ft/yr or an 89% increase in Middle Trinity exempt well use from the 2018 estimate of 258ac-ft/yr.
- 3. Exempt well use estimate factors out all plugged, capped, monitor and inactive wells in the database.
- 4. Source of stock water estimates is Texas Agrillife Extension @ 18 gallons water per day per cow. Livestock water use estimates are based on the 2017 Census of Agriculture, USDA National Agricultural Statistics Service. 36,868 cows / 771 stock wells= 48 cows/stock well; 48* 18gpd= 846 gal/day/stock well, 747ac-ft/yr or a 34% increase in annual stock use from the 2018 estimate of 556ac-ft/yr.
- 5. The "Other" designation is the total of minor aquifer and alluvium source designation of the exempt wells.
- 6. Trinity Aquifer wells registered with unknown depth are assigned to the Middle Trinity per Board decision.
- 7. All estimates of groundwater use by exempt well owners is based on assumptions and scientific data, but by no means are they to be interpreted as recommended practices by CUWCD.



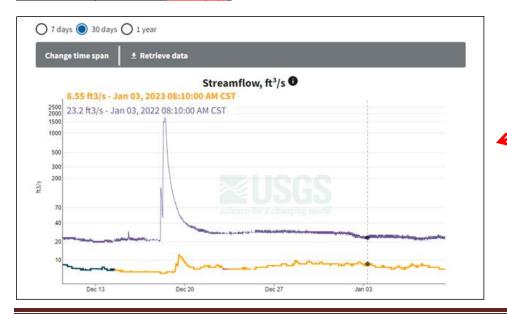
	(2000-F	is Over Time Present) ble Groundwater			nd OP Permi Relative to the Available Gro	?	2022 YTD Prod. Jan - Dec 1995.86 Ac-ft 81.16%	<u>Pending A</u>	Applications	<u>Exempt</u>	Well Reserv	<u>rations</u>
	DFC Adopted * Minimum Spring Flow	Status of DFC ** Current / Low	MAG *** Ac-ft	HEUP Ac-ft	OP Ac-ft	Total Permitted Ac-ft	2021 Actual Production	Available for Permitting Ac-ft	Pending Applications Ac-ft	Exempt Well Reservation Ac-ft	Exempt Well Use Estimation Ac-ft	Available Exempt Use Ac-ft
Edwards (BFZ) Aquifer	100 Ac-ft per month or 1.68 cfs	530.18 Ac-ft 1/3/2023 vs 220 Ac-ft 08/20/2014	6469	2139.20	319.73	2458.93	1751.57 Ac-ft 69.62%	3185.07	521.92	825	357	468

^{*}Desired Future Conditions (DFC) established by Clearwater UWCD and approved by GMA8 and TWBD, is the description of how the aquifer should look in the future (50 years based on maintaining the Salado Spring Complex discharge during a repeat of drought conditions similar to the drought of record in the 1950's, under drought of record, a five-day average of discharge amounting to 200 ac-ft-month is preferred and 100 ac-ft-/month is the minimum acceptable spring flow. Spring flow is measured and estimated by the USGS Gage in Salado Creek located below the Salado Creek Spring Complex.

7KX Investments N2-19-005P (500 ac-ft/yr)

Aria Prairie N2-22-001P + 7 wells (2.72 ac-ft/yr)

Salado Sanctuary N3-22-001P (19.2 ac-ft/yr)



CFS is measured continuously at the downstream gage with USGS developing the rating curve according to industry standards and maintaining the information for public access on the USGS website.

5 - day average for December 8^{th} – January 3^{rd} was 8.91 CFS = 530.18 ac-ft/month

5 - day average for December 8^{th} – December 12^{th} was 10.528 CFS = 626.46 ac-ft/month

^{**}Status of the DFC is the estimated spring flow over a five-day average from the springs releasing artesian pressure from the Edwards BFZ Aquifer expressed as acre feet per month of spring flow into Salado Creek.

^{***}The Modeled Available Groundwater (MAG) is the estimated amount of water available for permitting assigned to Clearwater UWCD by the Executive Administrator of TWDB, based on the desired future conditions.

	FC Analysis Ove (2000-Presen Iodeled Available Grou	nt)	-	d OP Pern to the Modele Groundwate		<u>Total</u> Jan	2 <u>YTD</u> <u>Prod.</u> - Dec 77%		nding cations	<u>Exempt</u>	: Well Rese	ervations
Trinity Aquifer (by layer)	DFC Adopted * Average Drawdown (by layer)	MAG ** Ac-ft Current	HEUP OP Ac-ft (by layer) (by layer) O O O O				2022 YTD Prod. (by layer)	Available for Permitting Ac-ft (by layer)	Pending Applications Ac-ft (by layer)	Exempt Well Reserve Ac-ft (by layer)	2021 Exempt Well Use Estimate Ac-ft (by layer)	Available Exempt Use Ac-ft (by layer)
Pawluxy	NA	0	0	0	0	0	0	0	0			0
Glen Rose (upper)	-1.38 ft/yr -83 ft/60 yrs	974	61.9	72.73	134.63	18.70	23.79	146.37	0	693	221	472
Hensell (middle)	-2.28 ft/yr -137 ft/60 yrs	1099	259.3	207.77	467.07	67.37	67.06	83.93	***28.00	548	516	32
Hosston (lower)	-5.50 ft/yr -330 ft/60 yrs	7193	1181.4	2959.21	4140.61	1619.53	1842.71	2874.39	0	178	56	122
Total		9266	1502.6	3240.06	4742.66	1705.6 (35.95%)	1933.56 (40.77%)	3104.69	28.00	1419	793	626

^{*}Desired Future Conditions (DFC) is the description of how the aquifer should look in the future (60 years).

Rancho Vista Phase 2 N2-21-008P (5.00 ac-ft/yr)

Big Elm RV Resort N2-22-003P (23.00 ac-ft/yr)

^{**}The Modeled Available Groundwater (MAG) is the estimated amount of water available for permitting assigned to Clearwater UWCD by the Executive Administrator of TWDB.

^{***}Pending applications



http://www.cuwcd.org/



Clearwater Underground Water Conservation District Quarterly Newsletter

The Clearwater Underground Water Conservation District (CUWCD) approved the <u>2021 Annual Report</u> on Wednesday, April 13, 2022.

2021 ANNUAL REPORT





Clearwater UWCD
Belton, Texas
www.cuwcd.org

CLEARWATER UNDERGROUND WATER CONSERVATION DISTRICT

Audited Financial Statements

For the Year Ended September 30, 2021

and Independent Auditors' Report

STRENGTH IN NUMBERS



LUDWICK, MONTGOMERY & STAPP, P.C. CERTIFIED PUBLIC ACCOUNTANTS

website.

CHECK OUT CUWCD WEBSITE HERE



Copyright © 2019 Clearwater UWCD, All Rights Reserved.

Our mailing address is:

P.O. Box 1989

Belton, Texas 76513

Telephone Number:

254-933-0120

Fax Number: 254-933-8396

Hours:

Monday – Friday 8:00 am to 5:00 pm Closed from 12:00 to 1:00 pm for lunch

Want to change how you receive these emails? You can <u>update your preferences</u> or <u>unsubscribe from this list</u>.

This email was sent to << Email Address>>

why did I get this? unsubscribe from this list update subscription preferences

Clearwater Underground Water Conservation District · 700 Kennedy Court · P.O. Box 1989 · Belton, Texas 76513 · USA







Water Levels in the Hensell Layer of the Trinity Aquifer continue to decline because of ove pumping, aquifer structure, and characteristics of the system. More specifics to be taught a the upcoming Bell County Water Symposium.

Subscribe Past Issues Translate ▼ RSS

Past Issues Translate ▼ RSS

| Past Issues | Past Issues | Past Issues | Past Issues | Past Issues | Past Issues | Past Issues | Past Issues | Past Issues | Past Issues | Past Issues | Past Issues | Past Issues | Past Issues | Past Issues | Past Issues | Past Issues | Past Issues | Past Issues | Past Issues | Past Issues | Past Issues | Past Issues | Past Issues | Past Issues | Past Issues | Past Issues | Past Issues | Past Issues | Past Issues | Past Issues | Past Issues | Past Issues | Past Issues | Past Issues | Past Issues | Past Issues | Past Issues | Past Issues | Past Issues | Past Issues | Past Issues | Past Issues | Past Issues | Past Issues | Past Issues | Past Issues | Past Issues | Past Issues | Past Issues | Past Issues | Past Issues | Past Issues | Past Issues | Past Issues | Past Issues | Past Issues | Past Issues | Past Issues | Past Issues | Past Issues | Past Issues | Past Issues | Past Issues | Past Issues | Past Issues | Past Issues | Past Issues | Past Issues | Past Issues | Past Issues | Past Issues | Past Issues | Past Issues | Past Issues | Past Issues | Past Issues | Past Issues | Past Issues | Past Issues | Past Issues | Past Issues | Past Issues | Past Issues | Past Issues | Past Issues | Past Issues | Past Issues | Past Issues | Past Issues | Past Issues | Past Issues | Past Issues | Past Issues | Past Issues | Past Issues | Past Issues | Past Issues | Past Issues | Past Issues | Past Issues | Past Issues | Past Issues | Past Issues | Past Issues | Past Issues | Past Issues | Past Issues | Past Issues | Past Issues | Past Issues | Past Issues | Past Issues | Past Issues | Past Issues | Past Issues | Past Issues | Past Issues | Past Issues | Past Issues | Past Issues | Past Issues | Past Issues | Past Issues | Past Issues | Past Issues | Past Issues | Past Issues | Past Issues | Past Issues | Past Issues | Past Issues | Past Issues | Past Issues | Past Issues | Past Issues | Past Issues | Past Issues | Past Issues | Past Issues | Past Issues |

Clearwater UWCD again sets tax rate at the no-new revenue rate for the 11th consecutive year. The rate for FY23 is .002802/\$100 valuation of the property. Please visit our website to view the <u>District Budget</u> for FY23.



Water for Texas 2023

Opening Keynote, The State of Texas Water: Planning for More

As the Texas population and economy continue to grow, it is increasingly critical to expand infrastructure to help manage and improve our water supply statewide. Texas Comptroller Glenn Hegar will discuss the important economic impact of water development projects and the potential effects of water shortages on Texas' economy.

Global Water Innovations: International Ideas and Accomplishments

The need for innovative water solutions and technology spans far beyond Texas. Learn about some impactful and inspiring breakthroughs happening abroad.

Movers and Shakers: Lessons from Leaders at Large Water Utilities

Big cities, big water, big challenges. Hear from influential water utility leaders from around the country as they discuss the ins and outs of managing large systems that serve millions of customers.

Working for Texans: Policy Issues for the 88th Legislative Session

One month left for early registration!

Please visit the <u>Water for Texas 2023 website</u> to register early and view the preliminary agenda and complete list of session descriptions.

Prices increase October 4.

Room Block Open Reserve today!

A limited number of rooms in the "Water for Texas 2023" conference room block at the AT&T Hotel and Conference Center are available at a discounted rate. Book online through the group reservation page to secure your room while available.

Water News Around Texas

Texas+Water New Issue provides up to date information and relevant interviews with Texas's best and most prominent voices in the state

Edwards Aquifer Authority warns that Stage 4 may be needed in August

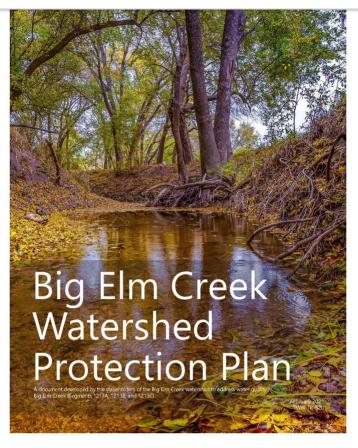
Edwards Aquifer Authority Enacts Stage 4 Water Restrictions

DRIED UP: Texas cities in fear of running out of water

Report from the Texas Produced Water Consortium

Jacob's Well Goes Dry

Water Levels Down in Williamson County



Big Elm Creek Watershed Protection Plan Upcoming Events

- Septic System Class for Homeowners coming October 5, 2022 from 1-3pm This FREE 2 hour class will cover the treatment processes, health and safety considerations, and system inspection and maintenance. The class will also provide answers to the most frequently asked questions, including when to pump a tank and what can or cannot go down the drain. Click here to reserve your spot, as seating is limited. The class will be held at the Blackland Research & Extension Center, 720 East Blackland Road, Temple.
- <u>Private Water Well Workshop</u> **coming Spring 2022** Do you have a water well? When was the last time you tested your water? This free workshop will be for private well owners who want to become familiar with groundwater resources, septic system maintenance, we maintenance, water conservation, water quality, and water treatment.
- Riparian Workshop coming Spring 2022 This workshop will focus on the nature and function of stream and riparian zones and the benefits and direct impacts from healthy riparian zones.

CHECK OUT CUWCD WEBSITE HERE





Fax Number: 254-933-8396

Hours:

Monday – Friday 8:00 am to 5:00 pm Closed from 12:00 to 1:00 pm for lunch

Clearwater Underground Water Conservation District (CUWCD) is a political subdivision of the State of Texas and underground water conservation district created and operating under and by virtue of Article XVI, Section 59, the Texas Constitution; Texas Water Code Chapter 36; the District's enabling act, Act of May 27, 1989, 71st Legislature, Regular Session, Chapter 524 (House Bill 3172), as amended by Act of April 25, 2001, 77th Legislature Regular Session, Chapter 22 (Senate Bill 404), Act of May 7, 2009, 81st Legislature, Regular Session, Chapter 64 (Senate Bill 1755), and Act of May 27, 2015, 84th Legislature, Regular Session, Chapter 1196, Section 2 (Senate Bill 1336)(omnibus districts bill); and the applicable general laws of the State of Texas; and confirmed by voters of Bell County on August 21, 1999.

Want to change how you receive these emails?
You can <u>update your preferences</u> or <u>unsubscribe from this list.</u>

This email was sent to << Email Address>> why did I get this? unsubscribe from this list update subscription preferences

Clearwater Underground Water Conservation District · 700 Kennedy Court · P.O. Box 1989 · Belton, Texas 76513 · USA





2023, A Year for Changes and Challenges

The Board of Directors of Clearwater UWCD have officially amended the District Rules (effective November 1, 2022) after investing approximately \$1.5 million (since 2014) in advanced scientific endeavors and with this new understanding has made significant changes to our permitting process and protection of landowner rights. Clearwater Directors amended the rules in both a legal and scientific manner. Due to our enhanced understanding, we have been able to address the many complex questions but in general, we have established management zones, limited column pipe sizes depending on the zone, enhanced exempt well spacings and enhanced tract size limits on non-exempt wells. In addition, we have added remedies for exceptions, waivers, and tract size encumbrances.

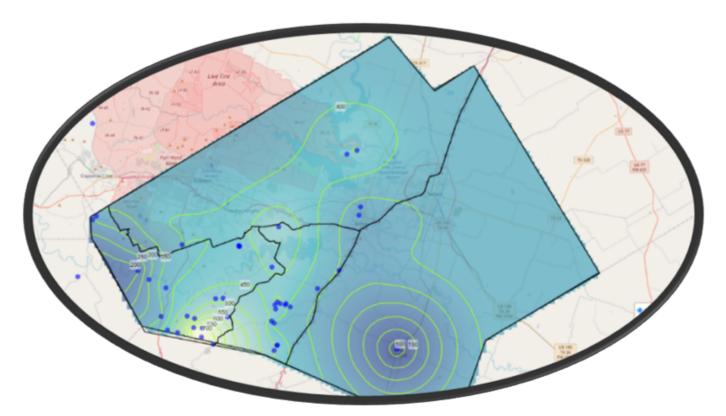


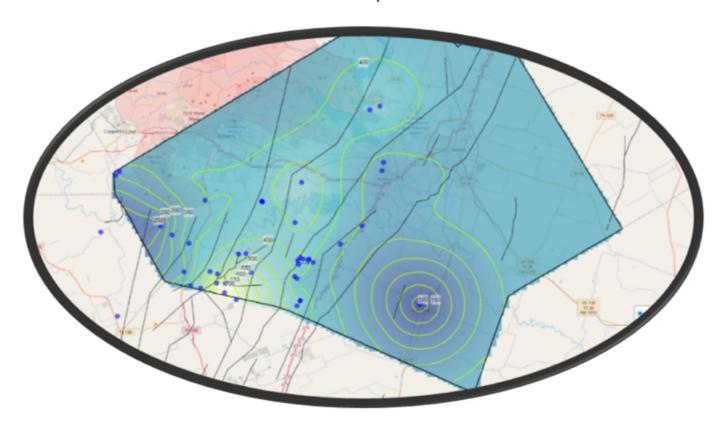
Figure 1: Map above Illustrates the Middle Trinity Aquifer Drawdowns in the Southern and Southern portions of the region west of IH35.

wells on tracts of land with 10 acres or more. Specific changes will also impact non-exempt wells necessitating a drilling permit and/or operating permit for beneficial use other than domestic needs. These are often times:

public water supply wells, commercial or industrial wells, quarry wells, aggregate mining wells, or small business wells.

You will find the new application forms that are required effective November 1, 2022 on the District website. New application guidelines for non-exempt wells, general maps of the five different management zones and the limits to each zone for minimum tract size and limits to column pipe sizes and enhanced spacing between other wells completed to the same layer of the Trinity, the Edwards BFZ and all the minor aquifer systems within the district.

<u>Figure 2:</u> Map below Illustrates and visualizes the new understanding and 3D modeling of the faults across the western half of the County.



The following link (https://cuwcd.org/1001/2022_CUWD-Rules-.pdf) provides viewers with a pdf version of our amended rules. Citizens may view the district database system by clicking here: https://clearwater.IRE/GISmap to view the public site of all well locations, Bell Cad Properties, the source aquifers, beneficial use, management zone locations, and all other

We can provide the following by email as pdfs if drillers and/or property owners reach out to Tristin Smith at tsmith@cuwcd.org or call us at 254-933-0120:

- District Rules Amended November 1, 2022
- Exempt well application form (We will not accept old forms after November 1, 2022)
- Non-Exempt well application form (Effective November 1, 2022)
- Non-Exempt well permit application instructions.
- Maps of the new Management Zones (Edwards, Southwest, Stillhouse, Belton Lake, East Bell)

For clarity, Clearwater approached these changes by working with drillers, permit holders, and identified stakeholders in a manner to share our science and apply that to specific limitations of the geology (especially in western Bell County) in order to extend protections to existing well owners and future well owners.

The approved amendments to the existing rules are summarized as follows:

- The amendments framed up how the District is to issue operating permits according to Aquifer Management Zones with site-specific rules;
- Revised the Standard Provisions incorporated into permits issued by the District;
- Revised the process for submitting meter readings to the District;
- Require that meters be installed in accordance with the manufacturer's specifications;
- Refined permitting requirements for exploratory wells;
- Refined the spacing requirements for certain exempt wells;
- Clarified language regarding historic and existing use permits;
- Clarified drilling and/or operating permits requirements;
- Incorporate a process for complying with Bell County Subdivision Regulations;
- Require Well Completion Reports for certain operating permit applications;
- Established five Management Zones within the boundaries of the District;
- Clarified rules regarding the commingling of injurious water and fresh water and the recompletion of wells pursuant to 16 Texas Administrative Code Chapter 76;
- Establish minimum spacing, column pipe size, tract size, and property line setback requirements by Aquifer Management Zone;
- Provided criteria for granting exceptions to the minimum spacing, column pipe size, tract size, and property line setback requirements for each respective Aquifer Management Zone;
- Define additional terms in the definition section of the rules;
- Clarified methods for filing and serving documents with the District; and

The following chart illustrates the specific setback and column pipe restrictions for Exempt Domestic Wells in the amended rules. This chart further defines what constitutes an "Exempt Well" for Domestic and/or Livestock & Poultry needs and what they are limited to such as maximum column pipe size, maximum gallons per minute, and minimum setbacks from property lines and from other wells.

After November 1, 2022, a Well qualifying for exemption under this subsection must observe a minimum distance of 75 feet from the property line (exception may be made if the property line is adjacent to a public road then the center of the road may be the measuring point used to determine the minimum setback of 75 feet per Rule 9.5.5(b) and 150 feet from other Wells if producing from the same Aquifer. Refer to Section 9.5.3 for spacing requirements between Wells producing from different Aquifers.

Rules exempting Domestic Use on 10-acres or more effective November 1, 2022.

** Management Zone	*Max CPS	Max GPM	Spacing Wells	Spacing Property
SW	1 ½ inch	17.36 gpm	150 feet	75 feet
SH	1 ½ inch	17.36 gpm	150 feet	75 feet
BL	1 ½ inch	17.36 gpm	150 feet	75 feet
Е	1 ½ inch	17.36 gpm	150 feet	75 feet
E-BFZ	1 ½ inch	17.36 gpm	150 feet	75 feet

^{*}Windmill Wells may use a 2-inch casing to accommodate the sucker rod assembly.

The following map is of the new "<u>Trinity Aquifer Management Zones</u>" across Bell County. Specific GIS map to your property showing the management zone can be viewed at: https://clearwater.lre-up.com/map

^{**}Management Zones designations effective November 1, 2022.

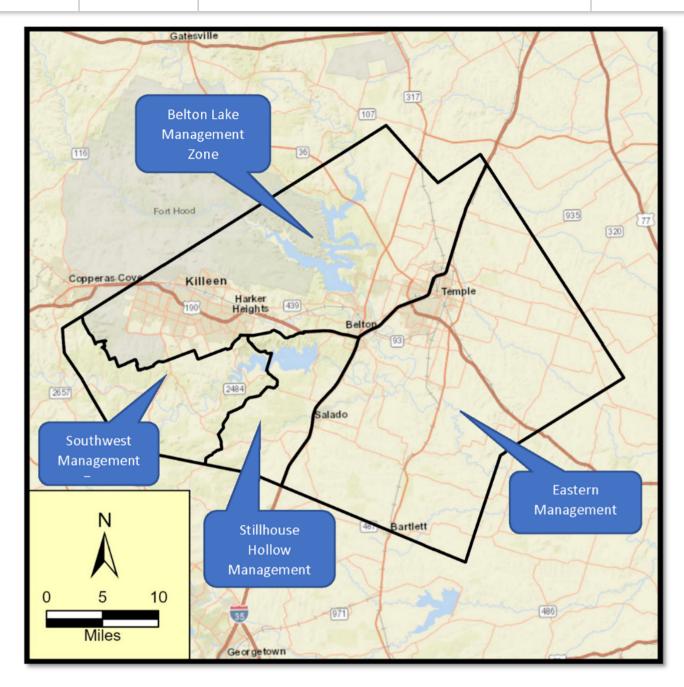


Figure A: Clearwater Underground Water Conservation District Management Zone Map for: Southwest Management Zone; Stillhouse Hollow Management Zone; Belton Lake Management Zone; and Eastern Management Zone.

51	ibscribe	•	Past Is	sues											Irar	islate	•
	Management Zones	Spacing Min Tract Size	Spacing Min Tract Size	Spacing Min Tract Size	Spacing Min Tract Size	Spacing Min Tract Size	Spacing/ Min Tract Size		Management Zones	Well Spacing * Min Tract Size	Well Spacing * Min Tract Size	Spacing * Min Tract Size	Spacing * Min Tract Size	Spacing Min Tract Size		Spacing/ * Min Tract Size	
ı	Column Pipe **Size	1 ¼-inch	1 ½-inch	2-inch	>2-4 inch	>6-8 inch	>8 inch	Ш	Column Pipe **Size	1 ¼-inch	1 ½-inch	2-inch	>2-4 inch	>4-6 inch	>6-8 inch	>8 inch	ı
١	Southwest	150 ft 2-acres	330 ft 5-acres	\otimes	\otimes	8	\otimes	Ш	Southwest	150 ft 2-acres	330 ft 5-acres	8	\otimes	\otimes	8	\otimes	
l	Stillhouse Hollow	150 ft 2-acres	330 ft 5-acres	660 ft 10-acres	8	8	8	II	Stillhouse Hollow	150 ft 2-acres	330 ft 5-acres	660 ft 10-acres	1320 ft / 20-acres	1980 ft 30-acres	8	Ø	
١	Belton Lake	150 ft 2-acres	330 ft 5-acres	660 ft 10-acres	8	8	8		Belton Lake	150 ft 2-acres	330 ft 5-acres	660 ft 10-acres	1320 ft / 20-acres	1980 ft 30-acres	5280 ft 40-acres	5280 ft 50-acres	
	Eastern IH35	150 ft 2-acres	330 ft / 5-acres	660 ft 10-acres	1320 ft / 20-acres	8	8		Eastern IH35	150 ft 2-acres	330 ft 5-acres	660 ft 10-acres	660 ft 20-acres	1320 ft 30-acres	2640 ft 40-acres	5280 ft 50-acres	

Note: The above are exempted from the minimum tract size requirements: (1) a Retail Public Water Utility's Non-exempt New Well if the Well is located within the prescribed boundaries of the utility's retail water service area that is certificated by the Public Utility Commission of Texas by the issuance of a Certificate of Convenience and Necessity; and (2) Water Wells powered by windmills if Drilled and completed with sucker rod column pipe, which shall not exceed 2 inches in diameter.

Groundwater 101



GROUNDWATER VOCABULARY

GCD Groundwater Conservation Districts are political subdivisions created to protect aquifers and manage the use of groundwater. GCDs are granted authority in Chapter 36 of the Texas Water Code to manage groundwater production through various methods, including well spacing and production limitations.

GMA Groundwater Management Areas are designated by the TWDB for regional planning purposes. GCDs within the GMA meet to jointly develop DFCs for the GMA region.

DFC a Desired Future Condition is a quantifiable condition of an aquifer at a specified future time. It may be based on aquifer levels, spring flows, or volumes of water in the aquifer (example: average drawdown not to exceed 75 feet at the end of 50 years). In setting DFCs, GCDs balance groundwater production with conservation and protection of the aquifer and then manage that production on a long term basis to achieve and maintain the DFC.

the state agency responsible for overseeing state and regional water planning, providing financial assistance for local government water projects, and studying the state's surface water and groundwater resources.

MAG the Modeled Available Groundwater is calculated by the TWDB and is the amount of water that may be produced on an average annual basis to achieve a DFC. The MAG is one tool used by GCDs to ensure consistency with the DFC, and is used by regional water planning groups.

texasgroundwater.org

Subscribe

Past Issues



GROUNDWATER VOCABULARY

Rule of Capture grants landowners a legal right to capture the water beneath their property without regard to effects on neighboring wells except in cases of waste or malice.

Groundwater Ownership

Texas Legislature and Texas Supreme Court have recognized that landowners have a constitutionally protected property right in groundwater and own the groundwater below the surface as real property, subject to the rule of capture and regulation by GCDs.

GAM a groundwater availability model is a regional groundwater flow model approved by the TWDB.

Joint Planning the process by which GCDs in a GMA work together to develop DFCs, review groundwater management plans, assess the accomplishments of the GMA, and evaluate the need to modify the DFCs.

· **-**

a GCD. approved by the TWDB, and torwarded to regional water planning groups that outlines the GCD's management goals and objectives. The plan must include performance standards, methods for achievement, and groundwater estimates.

TAGD the Texas Alliance of Groundwater Districts is a 501(c)(3) association that assists GCDs, provides outreach and education, and facilitates communication.

GCDI the GCD Index is available on TAGD's website and is a searchable, interactive online information bank with data on GCDs across the state.

texasgroundwater.org



TAGD's GUIDE TO TEXAS GCDs

CHAPTER 36, TEXAS WATER CODE

All GCDs are governed by the laws defined in Chapter 36 of the Texas Water Code. Chapter 36 provides specific instruction on operational, permitting, procedural, and planning requirements.

ACCOUNTABILITY & OVERSIGHT

As political subdivisions, GCDs are subject to special purpose district laws. Additionally, GCDs are subject to local accountability through local boards and public input, as well as state agency and judicial oversight. GCDs are also accountable to each other through the GMA process and development of DFCs.

Subscribe

Past Issues

Translate ▼

Conservation & Protection

The fundamental mandate of a GCD is to balance the protection of the resource with a landowners' right to produce water. GCD rules protect groundwater by ensuring fair access to and long term management of the resource.

COOPERATIVE MANAGEMENT

All GCDs are required to set cooperative management goals within their GMAs through the adoption of a DFC. This requires GCDs to coordinate their groundwater usage and manage cooperatively within an aquifer.

texasgroundwater.org



TAGD'S GUIDE TO TEXAS GCDS

NOT ALL AQUIFERS ARE CREATED EQUAL

Texas has 9 major and 21 minor aquifers, and each operates differently. GCD rules are designed to address the different hydrogeologic characteristics of each aquifer. GCD rules must allow for differences in hydrology between and within aquifers.

LOCAL CONDITIONS

Different groundwater uses require different management. The type, frequency, and volume of groundwater usage can affect the aquifer. For example, groundwater produced for agriculture in a rural area may allow different spacing than groundwater produced for a public water supply in an urban area. Chapter 36 allows GCDs to address local conditions in their rules.

ENABLING LEGISLATION MATTERS

Most GCDs are locally created by legislative action. A GCD's individual enabling legislation defines the districts characteristics, including its financing and exemptions. A GCD's enabling legislation and its





PROPERTY RIGHTS & MARKET TRANSACTIONS

GCDs ensure equal protection of all property rights and investment-backed expectations. GCDs also provide regulatory certainty for market transactions through permitting and by managing to the DFC.

texasgroundwater.org

Districts



What is a Groundwater Conservation District?

GCDs are political subdivisions of the state created to protect and balance private groundwater interests with the conservation, preservation, protection, recharging, and prevention of waste of groundwater, and the control of subsidence caused by withdrawal.

What does a GCD do?

Establish rules for the spacing and drilling of all water wells
Consider and permit non-exempt water wells
Maintain records of non-exempt wells in a district
Submit management place to Tayon Water Dayolasment Boor

Submit management plans to Texas Water Development Board for approval

Collaborate regionally in joint planning for the establishment of DFCs

Collect water level and water quality data on aquifers

Educate stakeholders on water conservation

Work to prevent harm to the aguifer due to pumping or contamination



How do GCDs allocate their budgets?



Education & Outreach



Science & Research



Operations



Conservation



How many GCDs are there in Texas?

Currently, there are 98 GCDs plus 2 subsidence districts.

What rules must a GCD follow?

GCDs are governed by Chapter 36 of the Texas Water Code. As political subdivisions of the state, they are also subject to Chapter 49 of the Texas Administrative Code. Based on the rules established by the State, each GCD creates policies to accomplish the goals of their District.

Do I have to register my well with my GCD?

Yes, state law requires all wells to be registered with the GCD. This does not mean that all wells require a permit. All domestic wells and livestock wells that produce less than 25,000 gallons per day are exempt from permits. A GCD has the ability to exempt others in their rules.

What is a management plan?

A management plan outlines a GCD's goals and course of action to achieve those goals. The management plan is submitted to TWDB for approval, and rules necessary to implement the management plan are adopted by each district.

What is a Desired Future Condition?

The desired future condition is a metric that is established during the joint planning process by GCDs in a common Groundwater Management Area (GMA). The DFCs provide for consistency in groundwater management in the GMA and a balance between groundwater protection and production.

How are GCDs funded?

GCDs are funded through property taxes, permitting fees and/or usage fees.

Groundwater Terms

Aquifer

An underground geological formation able to store and yield water in useable amounts. Aquifers in Texas can consist of sand, gravel, limestone, granite, and many other rock types that have pores or spaces for water to pass through.

Aquitard

An aguitard, or confining layer, is a zone within the earth that restricts the flow of groundwater.

Total Dissolved Solids (TDS)

TDS refers to the total concentration of dissolved constituents in solution. A TDS level of less than 1000 ppm is often considered freshwater, although many Texans' drinking water has a higher TDS.

Cone of Depression

A cone of depression is a conically shaped area of decreased water level (or pressure) that occurs when water is withdrawn from an aquifer. If wells are too close to each other, these cones may overlap and cause interference resulting in abnormally low water levels in those wells. In areas that withdraw more water than is recharged or flows to that area, a semi-permanent regional cone of depression may occur.

Abandoned Wells & Water Quality

There is a high environmental risk associated with abandoned or deteriorated wells, as they are a direct conduit from the surface to our groundwater resources. Because of this risk, it is highly recommended to have abandoned or deteriorated wells plugged. Some GCDs have have established programs to assist landowners in plugging abandoned wells.

How often should I have my well water tested?

It is recommended that well owners have their water professionally tested annually or when an observed change in water quality occurs.

Who can disinfect my well water?

It is recommend to contact a licensed water well driller or a pump installer to professionally disinfect your well.





Copyright © 2019 Clearwater UWCD, All Rights Reserved.

Our mailing address is:
P.O. Box 1989

Belton, Texas 76513

Telephone Number: 254-933-0120

Fax Number: 254-933-8396

Hours:

Monday – Friday 8:00 am to 5:00 pm Closed from 12:00 to 1:00 pm for lunch

Clearwater Underground Water Conservation District (CUWCD) is a political subdivision of the State of Texas and underground water conservation district created and operating under and by virtue of Article XVI, Section 59, of the Texas Constitution; Texas Water Code Chapter 36; the District's enabling act, Act of May 27, 1989, 71st Legislature, Regular Session, Chapter 524 (House Bill 3172), as amended by Act of April 25, 2001, 77th Legislature, Regular Session, Chapter 22 (Senate Bill 404), Act of May 7, 2009, 81st Legislature, Regular Session, Chapter 64 (Senate Bill 1755), and Act of May 27, 2015, 84th Legislature, Regular Session, Chapter 1196, Section 2 (Senate Bill 1336)(omnibus districts bill); and the applicable general laws of the State of Texas; and confirmed by voters of Bell County on August 21, 1999.

Want to change how you receive these emails? You can <u>update your preferences</u> or <u>unsubscribe from this list</u>.



Clearwater Source

Clearwater Underground Water Conservation District

www.cuwcd.org

2022 Annual Newsletter

December 2022

Volume 18, Issue 1

POPULATION GROWTH IS UPON US IN BELL COUNTY

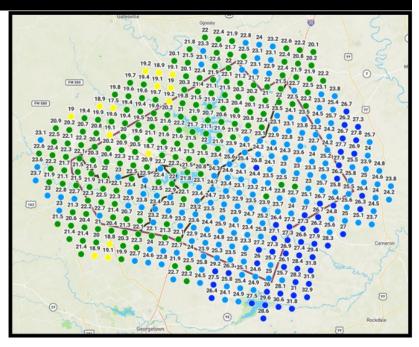


2022 is the tenth year I have served as the General Manager of Clearwater and continue to be amazed at the growth in our County that did not exist or was contemplated less than 15 years ago and considered to be very rural. Those days are passed as we see all of the new homes and new people moving to the IH35 corridor. This is our annual newsletter mailed to all well owners and published on our website. The articles you will

find in this edition are designed to update citizens in Bell County who have groundwater resources. Our goal is to be transparent on the current status of the groundwater system and our onslaught of dry conditions which will continue until March or April 2023. In all our hope is to focus on and understand the nature and challenges in Texas due to increase population growth and the nature of our limited water resources.

The map to the right illustrates the lack of rainfall in our County which should be 33 inches or more per year. The fact remains, Texas lives in a perpetual drought with intermittent floods. We are definitely in a very dry cycle as are many counties along the IH35 corridor.

Dirk Aaron, General Manager Clearwater UWCD



2023 A YEAR FOR CHANGES AND CHALLENGES

The Board of Directors of Clearwater UWCD have officially amended the District Rules (effective November 1, 2022) after investing approximately \$1.5 million (since 2014) in advanced scientific endeavors. With this new understanding, CUWCD has made significant changes to the permitting process and protection of landowner rights. Clearwater Directors amended the rules in both a legal and scientific manner. Due to our enhanced understanding, we have been able to address many complex questions. CUWCD has established management zones, limited column pipe sizes depending on the zone, enhance exempt well spacings and enhance tract size limits on non-exempt wells. Remedies have been added for exceptions, waivers, and tract size encumbrances.

Many of the rule changes will impact property owners who are applying for exempt domestic wells on tracts of land with 10 acres or more. Specific changes will also impact non-exempt wells necessitating a drilling permit and/or operating permit for beneficial use other than domestic needs such as public water supply wells, commercial or industrial wells, quarry wells, aggregate mining wells, or small business wells.

On the District website (www.cuwcd.org), you will find the new application forms that are required effective November 1, 2022 along with the new application guidelines for non-exempt wells, general maps of the five different management zones and the limits to each zone for minimum tract size and limits to column pipe sizes and enhanced spacing between other wells completed to the same layer of the Trinity, the Edwards BFZ and all the minor aquifer systems within the District.

Clearwater approached these changes by working with drillers, permit holders, and identified stakeholders in a manner to share our science and apply that to specific limitations of the geology (especially in western Bell County) in order to extend protections to existing well owners and future well owners.

The approved amendments to the existing rules are summarized as follows:

- •The amendments framed up how the District is to issue operating permits according to Aquifer Management Zones with site-specific rules;
- Revised the Standard Provisions incorporated into permits issued by the District:
- Revised the process for submitting meter readings to the District;
- Require that meters be installed in accordance with the manufacturer's specifications;
- Refined permitting requirements for exploratory wells;
- •Refined the spacing requirements for certain exempt wells;
- Clarified language regarding historic and existing use permits;
- Clarified drilling and/or operating permits requirements;
- •Incorporate a process for complying with Bell County Subdivision Regulations; (continued on page 6)

BOARD OF DIRECTORS

Leland Gersbach - Precinct 1 2013-Present (President)

Gary Young - Precinct 2 2014-Present (Secretary) Jody Williams - Precinct 3 2018-Present (Director)

Scott Brooks - Precinct 4 2018-Present (Director)

David Cole - At large 2013-Present (Vice-President)

MISSION STATEMENT

To implement an efficient, economical, and environmentally sound groundwater management program to protect and enhance the water resources of the District.

Water Quality Screening

The District's in-house lab offers registered well owners free screening for common constituents and bacteria. Annual screening is recommended.

UPDATE TO ESTIMATED GROUNDWATER PUMPING IN TRAVIS AND WILLIAMSON COUNTIES

(This article is a summary of a recent report to Clearwater by Michael R. Keester, PG – R. W. Harden & Associates, Inc.)

The recent technical memorandum provided to Clearwater UWCD is an update to the evaluation of pumping estimates in Travis and Williamson counties discussed in the May 5, 2020 technical memorandum. The methods developed for the initial evaluation were also applied for this update. To prepare the update, we obtained additional well data for the years 2020 and 2021 from the Texas Water Development Board ("TWDB") and Texas Commission on Environmental Quality ("TCEQ") databases (TCEQ, 2022; TWDB, 2022a; TWDB, 2022b; TWDB, 2022c). We then input the additional data into our analyses to extend the update of pumping estimates through the year 2021.

As discussed in the 2020 Technical Memorandum, the evaluation is based on the number of wells completed in each aquifer, the size of the well, and the identified use of water from the well. A limitation of the approach is that changes in pumping is correlated with the number of wells with the assumption that more wells results in more groundwater pumping. While our analysis does account for wells being plugged, it does not consider the transition from groundwater to alternate water supplies. This and other limitations of the approach are addressed in the 2020 Technical Memorandum. Despite the identified limitations, we believe the approach provides a reasonable estimate of long-term trends in groundwater pumping.

In 2020 and 2021 a total of 654 new wells were completed in Travis and Williamson counties based on records from the available databases. Of these new wells, 311 were constructed in Travis County with 343 new wells in Williamson County. In both counties most of the new wells were for domestic use though 55 irrigation wells were completed for irrigation use in Travis County in 2020. In general, irrigation and municipal supply wells are constructed for higher production capacities. In the two counties in 2020 and 2021, there were a total of 95 irrigation wells and 13 municipal wells completed.

With the additional wells, the estimated pumping in 2021 from all aquifers in both counties was 44,325 acre-feet. The 2021 estimated pumping represents an increase of 848 acre-feet from the 2019 estimate of 43,477 acre-feet. Figure 1 below illustrates the estimated pumping values along with the TWDB estimated groundwater pumping.

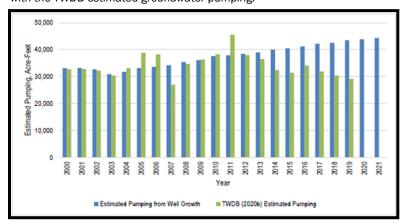


Figure 1. Estimated groundwater pumping from all aquifers in Travis and Williamson counties.

A diverging trend between the TWDB estimated pumping and estimated pumping based on well growth continued during the additional two years. However, in the 2020 Technical Memorandum we observed that pumping estimates from the two sources were diverging in Williamson County but were similar in Travis County. For 2018 and 2019 the pattern switched. As shown in Figure 2, TWDB estimated pumping for Travis County declined from 19,001 acre-feet in 2017 to 12,064 acre-feet in 2019 despite the addition of 93 irrigation wells and 10 municipal wells during the two-year period (2018 and 2019).

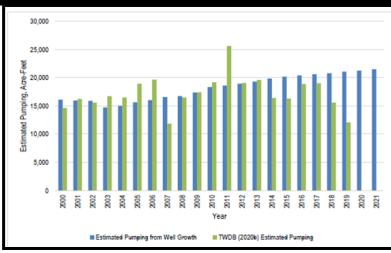


Figure 2. Estimated groundwater pumping from all aquifers in Travis County.

For Williamson County, the TWDB pumping estimate increased over the two-year period from 12,904 acre-feet in 2017 to 17,009 acre-feet in 2019 (Figure 3).

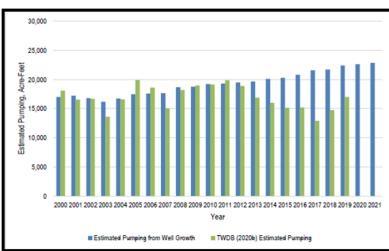


Figure 3. Estimated groundwater pumping from all aquifers in Williamson County.

TWDB estimated total pumping in Travis and Williamson counties has steadily declined since 2011 despite an increase in the number of wells. While TWDB estimated pumping in Williamson County increased from 2017 through 2019, the increase was offset by greater declines in Travis County. Like the TWDB total estimated pumping, TWDB estimated pumping from the Trinity Aquifer declined in both counties.

Estimated pumping based on the growth in the number of wells suggests an increase in total pumping of less than 1,000 acre-feet from 2019 through 2021. Most of the new wells completed during 2020 and 2021 were for domestic use. However, there were also several wells which are generally designed for higher production (95 new irrigation wells and 13 new municipal use wells).

A conclusion discussed in the 2020 Technical Memorandum remains accurate; namely, most of the new wells in Travis and Williamson counties are being completed in the Trinity Aquifer. In addition, most of these new wells are for domestic purposes. For these wells, we would not expect annual production to decline significantly unless it becomes too difficult to pump groundwater due to insufficient available drawdown associated with declining water levels. We are aware that such water-level declines in the Trinity Aquifer are occurring, which suggests that pumping is continuing to occur and likely increasing with the growth in the number of wells.

Understanding Groundwater Vocabulary



GROUNDWATER VOCABULARY

Rule of Capture grants landowners a legal right to capture the water beneath their property without regard to effects on neighboring wells except in cases of waste or malice.

Groundwater Ownership

Texas Legislature and Texas Supreme Court have recognized that landowners have a constitutionally protected property right in groundwater and own the groundwater below the surface as real property, subject to the rule of capture and regulation by GCDs.

GAM a groundwater availability model is a regional groundwater flow model approved by the TWDB.

Joint Planning the process by which GCDs in a GMA work together to develop DFCs, review groundwater management plans, assess the accomplishments of the GMA, and evaluate the need to modify the DFCs.

Management Plan a plan adopted by a GCD. approved by the TWDB, and forwarded to regional water planning groups that outlines the GCD's management goals and objectives. The plan must include performance standards, methods for achievement, and groundwater estimates.

TAGD the Texas Alliance of Groundwater Districts is a 501(c)(3) association that assists GCDs, provides outreach and education, and facilitates communication.

GCDI the GCD Index is available on TAGD's website and is a searchable, interactive online information bank with data on GCDs across the state.

texasgroundwater.org



GROUNDWATER VOCABULARY

GCD Groundwater Conservation Districts are political subdivisions created to protect aquifers and manage the use of groundwater. GCDs are granted authority in Chapter 36 of the Texas Water Code to manage groundwater production through various methods, including well spacing and production limitations.

GMA Groundwater Management Areas are designated by the TWDB for regional planning purposes. GCDs within the GMA meet to jointly develop DFCs for the GMA region.

DFC a Desired Future Condition is a quantifiable condition of an aquifer at a specified future time. It may be based on aquifer levels, spring flows, or volumes of water in the aquifer (example: average drawdown not to exceed 75 feet at the end of 50 years). In setting DFCs, GCDs balance groundwater production with conservation and protection of the aquifer and then manage that production on a long term basis to achieve and maintain the DFC.

TWDB The Texas Water Development Board is the state agency responsible for overseeing state and regional water planning, providing financial assistance for local government water projects, and studying the state's surface water and groundwater resources.

MAG the Modeled Available Groundwater is calculated by the TWDB and is the amount of water that may be produced on an average annual basis to achieve a DFC. The MAG is one tool used by GCDs to ensure consistency with the DFC, and is used by regional water planning groups.

texasgroundwater.org

TAGD's Guide to Texas Groundwater Districts



TAGD'S GUIDE TO TEXAS GCDS

CHAPTER 36, TEXAS WATER CODE

All GCDs are governed by the laws defined in Chapter 36 of the Texas Water Code. Chapter 36 provides specific instruction on operational, permitting, procedural, and planning requirements.

ACCOUNTABILITY & OVERSIGHT

As political subdivisions, GCDs are subject to special purpose district laws. Additionally, GCDs are subject to local accountability through local boards and public input, as well as state agency and judicial oversight. GCDs are also accountable to each other through the GMA process and development of DFCs.

CONSERVATION & PROTECTION

The fundamental mandate of a GCD is to balance the protection of the resource with a landowners' right to produce water. GCD rules protect groundwater by ensuring fair access to and long term management of the resource.

COOPERATIVE MANAGEMENT

All GCDs are required to set cooperative management goals within their GMAs through the adoption of a DFC. This requires GCDs to coordinate their groundwater usage and manage cooperatively within an aquifer.



TAGD'S GUIDE TO TEXAS GCDS

NOT ALL AQUIFERS ARE CREATED EQUAL

Texas has 9 major and 21 minor aquifers, and each operates differently. GCD rules are designed to address the different hydrogeologic characteristics of each aquifer. GCD rules must allow for differences in hydrology between and within aquifers.

LOCAL CONDITIONS

Different groundwater uses require different management. The type, frequency, and volume of groundwater usage can affect the aquifer. For example, groundwater produced for agriculture in a rural area may allow different spacing than groundwater produced for a public water supply in an urban area. Chapter 36 allows GCDs to address local conditions in their rules.

ENABLING LEGISLATION MATTERS

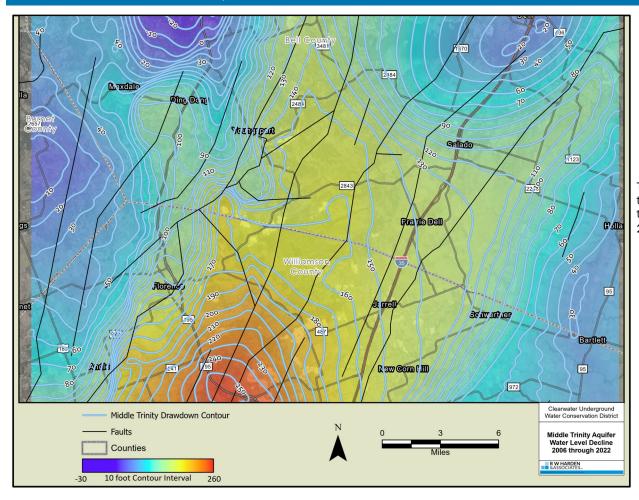
Most GCDs are locally created by legislative action. A GCD's individual enabling legislation defines the districts characteristics, including its financing and exemptions. A GCD's enabling legislation and its subsequent rules affect its management.

PROPERTY RIGHTS & MARKET TRANSACTIONS

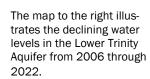
GCDs ensure equal protection of all property rights and investment-backed expectations. GCDs also provide regulatory certainty for market transactions through permitting and by managing to the DFC.

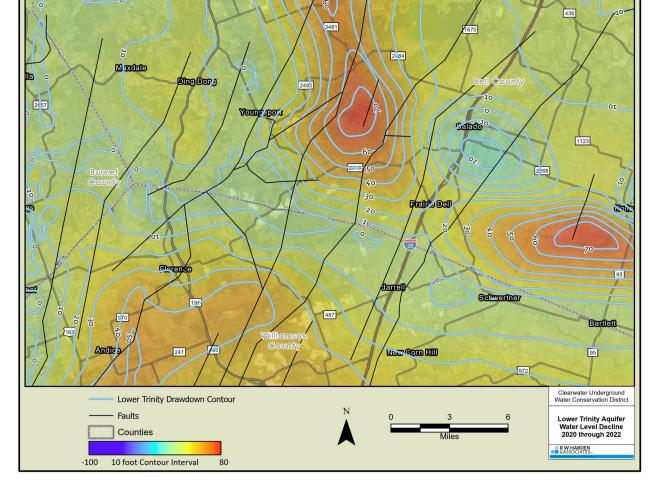
texasgroundwater.org

texasgroundwater.org



The map to the left illustrates the declining water levels in the Middle Trinity Aquifer from 2006 through 2022.





CLEARWATER SOURCE / VOL 18, ISSUE 1





(continued from page 1)

- Require Well Completion Reports for certain operating permit applications;
- Established five Management Zones within the boundaries of the District;
- •Clarified rules regarding the commingling of injurious water and fresh water and the re-completion of wells pursuant to 16 Texas Administrative Code Chapter 76;
- •Establish minimum spacing, column pipe size, tract size, and property line setback requirements by Aquifer Management Zone;
- •Provided criteria for granting exceptions to the minimum spacing, column pipe size, tract size, and property line setback requirements for each respective Aquifer Management Zone;
- •Define additional terms in the definition section of the rules;
- •Clarified methods for filing and serving documents with the District;
- •Made other non-substantive formatting and grammatical revisions to the old rules.

The following chart illustrates the specific setback and column pipe restrictions for Exempt Domestic Wells in the amended rules. This chart further defines what constitutes an "Exempt Well" for Domestic and/or Livestock & Poultry needs and what they are limited to such as maximum column pipe size, maximum gallons per minute, and minimum setbacks from property lines and from other wells.

** Management Zone	*Max CPS	Max GPM	Spacing Wells	Spacing Property
SW	1 ½	17.36 gpm	150 feet	75 feet
SH	1 ½	17.36 gpm	150 feet	75 feet
BL	1 ½	17.36 gpm	150 feet	75 feet
Е	1 ½	17.36 gpm	150 feet	75 feet
E-BFZ	1 ½	17.36 gpm	150 feet	75 feet

Relton Lake
Management Zone

Kille en
Harker
Heights

Southwest
Management
Zone

Stillhouse Hollow
Management
Zone

Stillhouse Hollow
Management
Zone

Bartlett

Eastern
Management
Zone

Bartlett

Eastern
Management
Zone

Cone

C

The map to the left is of the new

"Trinity Aquifer Management Zones"

across Bell County. Specific GIS map to your property showing the management zone can be viewed at: https://clearwater.lre-up.com/map.



Contact Us

www.cuwcd.org

Phone: 254-933-0120

Physical Address: 700 Kennedy Court

Belton, TX 76513

Mailing Address: P.O. Box 1989

Belton, TX 76513

Contact the District office if you would like to be added to our e-mail list for more frequent updates.



CUWCD 2022 Education and Outreach Events

Date	People	Event Information	Presentation	Booth
1/18/22	105	Bell County Crops Conference		X
2/15/22	47	Leadership Temple	Х	
4/14/22	100	Local Public Works Departments	Χ	
5/13/22	20	Homeschool Presentation	Х	Χ
4/28/21	50	Temple Lion's Club	Χ	
7/6/22	19	Texas A&M University – Central Texas STEM Camp	Х	X
7/21/22	13	Leadership Central Texas	Χ	
9/12/22	32	Legislative and Groundwater Update Belton Chamber of Commerce	х	
9/19/22	26	Legislative and Groundwater Update Harker Heights Chamber of Commerce	Х	
9/22/22	44	Bell County Conservation Expo	Х	Х
9/24/22	60	Bell County Master Gardener Plant Sale		X
10/1/22 – 10/2/22	650	Salado Sirena Fest		Х
10/18/22	21	Homeschool Presentation	X	X
10/25/22	70	TACERA Professional Engineers Conference	Х	
11/2/22	60	County Judge & Commissioners Conference	Х	
11/16/22	187	Bell County Water Symposium	Х	Х
Total reached	1,504			

Appendix I

Results of Groundwater Samples in CUWCD Lab

Test Date	District Well #	Latitude	Longitude	Elevation	Depth (ft)	Aquifer ²	Coliform Bacteria ³	Ecoli	Conductiv ity (µs/cm)		Salinity (mg/L)	рН	Alkalinity (mg/L)	Hardness (mg/L)	Nitrite (mg/L)	Nitrate (mg/L)	Phosphate (mg/L)	Sulfate ⁴ (mg/L)	Fluoride ⁴ (mg/L)
F Y22 10/1/2021	E-02-377G			556.86	20	Ozan	Not Tested	Not Tested	395	190		8.63	140	160	0.012	2.9	1.95	20	0.29
10/5/2021	E-20-108P			847.31	575	Middle Trinity	Not Tested	Not Tested	2310	1165		8.47	320	240	0.014	0.3	0.38	633	6.6
10/5/2021	E-21-024P			885.827	845	Lower Trinity	Not Tested	Not Tested	2144	1082		8.87	420	40	0.002	4.4	0.52	1	4.5
10/6/2021	E-21-046P			885.827	630	Middle Trinity	Not Tested	Not Tested	2350	1190		8.41	340	200	0.033	0.762	0.48	505	5
10/15/2021	E-12-017G			971.59	840	Middle Trinity	Present	Absent	1570	785		7.95	340	360	0.007	4.06	0.46	364	6.06
10/18/2021	E-21-039P			885.827	540	Middle Trinity	Not Tested	Not Tested	2220	1124		8.46	320	240	0.008	0.216	0.69	513	4.5
10/18/2021	E-21-069P			787.402	590	Middle Trinity	Not Tested	Not Tested	1230	612		8.86	320	60	0.003	0.264	0.44	152	3.4
10/18/2021	E-21-070P			763.01	880	Middle Trinity	Not Tested	Not Tested	1507	744		8.42	320	140	0.007	4.5	0.08	304	3.4
10/20/2021	E-17-053P			590.551	200	Edwards (BFZ)	Not Tested	Not Tested	1867	939		8.48	320	140	0.001	0	0.5	281	5.8
10/20/2021	N2-15-009P			524.934	150	Edwards (BFZ)	Not Tested	Not Tested	1644	820		8.79	320	20	0.051	0.8	0.18	227	5.7
10/22/2021	E-21-065P			945.87	790	Lower Trinity	Not Tested	Not Tested	2029	1024		9	400	40	0.006	0.135	0.75	30	3.8
10/27/2021	E-05-055P			860.72	560	Middle Trinity	Not Tested	Not Tested	2440	1238		8.28	340	300	0.003	1.79	0.76	672	6.5
11/9/2021	E-21-077P			656.168	850	Middle Trinity	Not Tested	Not Tested	1781	893		9.9	280	80	0.009	0.188	1.28	288	3
11/16/2021	E-17-003P			590.551	160	Edwards (BFZ)	Present	Absent	871	430		8	340	380	0.002	0.158	0.82	52	1.02
12/7/2021	E-03-349G			492.126	110	Edwards (BFZ)	Not Tested	Not Tested	683	333		8.14	280	340	0.004	2.6	0.12	57	1.04
12/7/2021	E-21-063P			721.785	300	Edwards (BFZ)	Not Tested	Not Tested	850	416		8.52	280	240	0.006	8.0	0.25	53	2.01
12/20/2021	E-21-021P			918.635	830	Middle Trinity	Not Tested	Not Tested	797	390		8.69	240	160	0.064	1	0.12	68	0.79
12/20/2021	E-21-076P			885.827	560	Middle Trinity	Not Tested	Not Tested	2138	1081		8.55	260	160	1.008	1.6	0.03	582	5.45
12/20/2021	E-21-087P			853.018	795	Middle Trinity	Not Tested	Not Tested	1377	686		10.29	220	100	0.02	0	0	287	2.5
1/13/2022	E-21-086P			688.976	870	Middle Trinity	Not Tested	Not Tested	1624	812		8.7	320	80	0.004	0.2	0.05	244	2.6
1/13/2022	E-21-064P			688.976	815	Middle Trinity	Not Tested	Not Tested	1349	666		8.74	320	100	0.003	0.6	0.13	154	2.4
1/25/2022	E-22-006P			754.593	800	Lower Trinity	Not Tested	Not Tested	2460	1248		8.72	400	60	0.011	0.152	0.04	16	5.8
1/26/2022	E-21-062P			721.785	930	Middle Trinity	Not Tested	Not Tested	1664	863		8.73	320	120	0.003	0.148	0.01	224	2.1
2/2/2022	E-22-006P			754.593	800	Lower Trinity	Not Tested	Not Tested	2200	1116		8.85	40	400	0.003	0.152	0.29	16	6.25
2/2/2022	E-22-007P			754.593	780	Lower Trinity	Not Tested	Not Tested	2200	1116		8.85	40	400	0.003	0.152	0.29	16	6.25
2/3/2022	E-21-084P			820.21	795	Middle Trinity	Not Tested	Not Tested	1130	565		9.18	240	100	0	0	0.11	158	2
2/10/2022	E-21-055P			1017.06	850	Middle Trinity	Not Tested	Not Tested	1755	887		8.7	380	120	0.007	0.5	0.13	325	5.7
2/11/2022	E-21-053P			656.168	860	Middle Trinity	Not Tested	Not Tested	1256	2470		8.69	360	140	0.001	0.9	0.14	543	3.3
2/11/2022	E-21-059P			599.66	150	Edwards (BFZ)	Not Tested	Not Tested	924	454		8.29	260	160	0.004	0.8	0.14	86	4.1
2/23/2022	E-05-079P			731.7	910	Middle Trinity	Not Tested	Not Tested	1369	679		8.88	340	100	0.002	0.062	0.1	155	2.5
2/23/2022	E-02-1104G			459.318	30.5	Alluvium	Not Tested	Not Tested	1008	496		8.03	260	360	0.008	37.8	0.09	51	0.84
3/16/2022	E-13-029P			656.168	930	Middle Trinity	Not Tested	Not Tested	3320	1708		8.57	360	240	0.006	2.53	2.39	864	7.85
3/31/2022	E-20-102P			820.21	830	Lower Trinity	Not Tested	Not Tested	2410	1228		8.6	380	180	0.006	0.3	0.22	387	5.7
3/31/2022 3/31/2022	E-20-102P E-20-102P			820.21 820.21	830 830	Lower Trinity	Not Tested	Not Tested Not Tested	2440 2440	1240 1239		8.5 8.45	380 420	120	0.006	1.7 0	0.12 0.26	321 288	6.85 5.7
4/1/2022	E-20-102P E-19-001P			688.976	410	Lower Trinity Edwards (BFZ)	Not Tested Not Tested	Not Tested	1384	691		8.72	300	80 160	0.012 0.002	0.056	0.26	197	4.85
4/20/2022	E-03-109G			955.21	490	Upper Trinity	Not Tested	Not Tested	1947	980		8.23	360	120	0.002	0.030	0.2	277	5.45
4/20/2022	E-03-113G			787.402	500	Lower Trinity	Not Tested	Not Tested	1038	515		8	340	200	0.006	0.1	0.3	154	0.8
4/20/2022	E-16-033G			879.25	490	Upper Trinity	Not Tested	Not Tested	845	414		7.93	340	300	0.003	0.2	0.1	110	0.35
4/20/2022	E-16-033G			879.25	490	Upper Trinity	Not Tested	Not Tested	845	414		7.93	340	300	0.003	0.2	0.1	110	0.35
4/20/2022	N2-07-009G			820.21	441	Middle Trinity	Not Tested	Not Tested	2250	1141		8.28	300	80	0.006	0.2	0.28	186	3.9
4/27/2022	N2-14-004P			721.785	1243	Lower Trinity	Not Tested	Not Tested	1 -2-55	2240		7.9	392	 	3.000	0.03	0.20	288	2.83
4/27/2022	N2-14-004P			721.785	1243	Lower Trinity	Not Tested	Not Tested		2240		7.9	392			0.03		288	2.83
4/27/2022	E-21-071P			688.976	80	Edwards (BFZ)	Not Tested	Not Tested	803	299		7.96	340	380	0.027	1.5	0.24	15	0.25
4/27/2022	E-22-011P			688.976	900	Middle Trinity	Not Tested	Not Tested	1675	841		8.27	320	180	0.027	0.1	0.1	312	2.5
4/28/2022	E-22-012P			885.827	830	Middle Trinity	Not Tested	Not Tested	1179	584		9.8	220	80	0.003	0.122	0.29	255	2.55
5/17/2022	N2-14-005P			426.509	2850	Lower Trinity	Not Tested	Not Tested	2067	1043		8.96	360	40	0.003	0.7	0.27	281	2.4
5/17/2022	E-21-078P			721.785	890	Middle Trinity	Not Tested	Not Tested	1787	897		8.72	340	100	0.019	0.8	0.06	328	3.45
5/18/2022	E-22-038GU			853.018	550	Middle Trinity	Not Tested	Not Tested	1725	862		8.62	640	160	0.004	0.97	2.64	361	2.5
6/2/2022	E-22-039G			557.743	155	Edwards Equivalent	Not Tested	Not Tested	1005	488		8.43	320	280	0.005	0.2	0.18	83	1.72
6/2/2022	E-22-040GU			524.934	100	Edwards (BFZ)	Not Tested	Not Tested	1005	488		8.43	320	280	0.005	0.2	0.18	83	1.72
6/3/2022	E-22-039G			557.743	155	Edwards Equivalent	Not Tested	Not Tested	790	386		8.06	300	320	0.004	1.9	0.04	29	0.34

6/3/2022	E-02-799G	735.37	180	Edwards (BFZ)	Not Tested	Not Tested	635	307	8.1	3 280	280	0.001	1.6	0.11	6	0.55
6/3/2022	E-21-042P	524.934	960	Middle Trinity	Not Tested	Not Tested	1696	850	8.9		120	0.001	0	0.06	280	2.7
6/6/2022	E-21-085P	951.444	380	Upper Trinity	Not Tested	Not Tested	3610	1864	8.4		280	0.003	1.2	0.04	784	6.05
6/6/2022	E-21-089P	754.593	350	Middle Trinity	Not Tested	Not Tested	1859	936	8.7		60	0.061	0.5	0.04	108	8.2
6/15/2022	E-18-021P	590.551	160	Edwards (BFZ)	Not Tested	Not Tested	1675	839	8.5		120	0.001	0.9	0.49	297	5.5
6/15/2022	E-21-057P	754.593	560	Middle Trinity	Not Tested	Not Tested	2820	1445	8.2		240	0.009	0.9	0.43	914	4.5
6/15/2022	E-21-072P	688.976	890	Middle Trinity	Not Tested	Not Tested	1402	693	8.9		100	0.040	0.5	0.56	218	2.5
6/15/2022	E-22-001P	951.444	840	Middle Trinity Middle Trinity	Not Tested	Not Tested	937	461	8.3		160	0.003	0.3	0.07	78	1
6/21/2022	E-22-005P	459.318	18	Alluvium	Not Tested	Not Tested	819	401	7.4		220	0.001	0.944	0.07	37	0.53
6/23/2022	E-21-006P	721.785	170	Edwards (BFZ)	Not Tested	Not Tested	1601	802	8.0		520	0.000	3.48	0.62	349	0.47
6/23/2022	E-21-007P	688.976	160	Edwards (BFZ)	Not Tested	Not Tested	619	301	8.1		280	0.004	2.6	0.02	17	0.29
6/28/2022	E-02-2829G	734.59	650	Middle Trinity	Absent	Absent	1872	941	8.8		100	0.02	0	0.49	415	2.84
7/1/2022	N2-07-012G	656.168	380	Upper Trinity	Not Tested	Not Tested	2040	1030	8.9		80	0.02	0.6	0.28	248	2.05
7/1/2022	E-20-040GU	688.976	165	Edwards (BFZ)	Not Tested	Not Tested	618	301	8.0		280	0.017	3.7	0.13	15	0.35
7/7/2022	E-18-058G	853.018	790	Middle Trinity	Not Tested	Not Tested	2950	1509	8.5		280	0.294	0	0.9	896	6.35
7/7/2022	E-17-023G	510.17	35	Alluvium	Absent	Present	556	270	8.3		120	0.007	0	0.25	5	0.6
7/14/2022	E-17-039P	656.168	400	Edwards (BFZ)	Absent	Absent	1928	964	8.7		120	0	0.084	0.64	294	6.25
7/18/2022	E-21-073P	820.21	436	Middle Trinity	Not Tested	Not Tested	1260	625	9.1	3 340	60	0.038	0.186	0.36	133	3.9
8/11/2022	E-22-034P	853.018	570	Lower Trinity	Not Tested	Not Tested	2086	1057	8.8	1 420	80	0.003	0	0.15	107	5.75
8/11/2022	E-16-002P	723.96	870	Middle Trinity	Absent	Absent	1552	766	8.8	360	80	0.001	0.131	0.49	191	2.25
8/11/2022	E-22-025P	754.593	400	Middle Trinity	Not Tested	Not Tested	1920	966	8.9	420	80	0.028	0.3	0.2	98	5.9
8/12/2022	E-22-033P	820.21	535	Middle Trinity	Not Tested	Not Tested	1730	869	8.6	1 380	160	0.168	0.144	0.15	324	5.5
8/24/2022	E-22-018P	951.444	450	Middle Trinity	Not Tested	Not Tested	3290	1697	8.4	340	340	0.049	1.2	0.14	762	4.4
8/24/2022	E-22-024P	754.593	560	Middle Trinity	Not Tested	Not Tested	2800	1445	8.4	2 380	220	0.001	0.9	0.07	805	6.65
8/25/2022	E-05-045P	594.57	220	Edwards (BFZ)	Not Tested	Not Tested	1177	582	8.2	360	260	0.004	0.9	0.12	121	2.3
8/25/2022	E-22-066P	754.593	880	Middle Trinity	Not Tested	Not Tested	1067	526	8.0	3 320	260	0.004	0	0.8	90	1.15
8/31/2022	E-22-036P	656.168	730	Middle Trinity	Not Tested	Not Tested	2810	1439	8.8	1 500	120	0.031	0.765	1.02	580	8.5
9/1/2022	E-21-017P	918.635	380	Upper Trinity	Not Tested	Not Tested	3770	1954	8.4	1 380	260	0	0.159	0.01	638	3.65
9/8/2022	E-05-010P	705.9	140	Edwards (BFZ)	Not Tested	Not Tested	672	327	8.1	300	280	0.005	2.7	0.08	15	0.22
9/8/2022	E-22-057P	721.785	98	Edwards (BFZ)	Not Tested	Not Tested	738	365	8.1	1 360	320	0.027	0.2	0.11	24	0.64
9/15/2022	E-22-003P	754.593	610	Middle Trinity	Not Tested	Not Tested	1145	563	8.4	1 340	140	0.008	0.8	0.14	140	2.4
9/15/2022	E-22-032P	820.21	638	Lower Trinity	Not Tested	Not Tested	2790	1428	8.7	5 520	100	0.003	0.3	0.17	114	4.95
9/15/2022	E-22-035P	984.252	750	Lower Trinity	Not Tested	Not Tested	1145	563	8.4	1 340	140	0.008	0.8	0.14	140	2.4

Appendix J

Salado Spring Samples

<u>Location</u> Big

<u>Date</u>	<u>Time</u>	<u>CFS</u>	<u>PH</u>	<u>TDS</u>	Cond.	<u>Nitrates</u>	<u>Nitrites</u>	<u>Fluoride</u>	DO mg/L	<u>DO %</u>	<u>Turbidity</u>
21-Sep-16	156	48	7.96	284	584	4.26	0.003	0.315			
16-Feb-17	119	46	7.57	355	727	4.28	0.007	0.341			
21-Feb-17	208	120	7.69	293	602	2.9	0.002	0.31			
25-May-17	150	32	8.02	286	587	1.8	0.006	0.3			
30-May-17	2:50	30	7.65	287	592	4.5	0.000	0.01			
29-Jun-17	925	28	7.58	286	587	2.1	0.001	0.3			
5-Jul-17	10:56	25	7.94	293	602	4.02	0.003	0.26			
11-Aug-17	1245	21	7.84	294	602	1.8	0.004	0.2			
14-Aug-17	1102	16	7.64	295	606	2.1	0.002	0.3			
12-Mar-18	200	12	8.02	290	600		0.002	0.3			
19-Mar-18	301	22	7.83	291	597		0	0.3			
23-Mar-18	216	12	7.93	292	601		0.003	NT			
26-Mar-18	944	12	8.02	290	596		0.003	NT			
11-Sep-18	1028	23	8.05	297	612		0	0.2			
29-May-19	1120	122	8.2	320	667		0.005	0.5			
22-Jun-20	942	11	8.06	287	590		0.008	NT			
13-Jul-20	215	10	8.06	282	583	4.29	0.002	NT			
28-Jul-20	1042	10	7.84	296	609	4.48	0.016	NT			
31-Aug-20	926	6	8.2	290	595	3.8	0.024	NT	7.38	85.2	
10-Sep-20	1017	18	7.98	298	612	3.1	0.022	NT	7.65	86.5	
3-Dec-20	830	12	8.02	293	604	4.1	0.003	NT	7.49	84.7	
2-Jun-21	113	116	7.99	300	616	3.3	0.004	NT	6.37	73.1	0.45
22-Jun-21	203	547	8.09	295	605	4.7	0.006	NT	7.48	85.3	0.39
23-Sep-21	1015	18	7.97	296	609	2.8	0.002	NT	7.56	85.7	0.13
18-Oct-21	1007	14	7.98	298	615	2.9	0	NT	7.26	85.2	0.04
20-Jun-22	913	11	7.92	298	614	2.4	0.001	NT	7.32	85.5	0.03

Location Date Time CFS PH TDS Cond. **Nitrates** Nitrites Fluoride DO mg/L DO % Turbidity 21-Sep-16 214 48 7.77 284 584 4.34 0.003 0.346 16-Feb-17 122 46 7.57 295 608 4.29 0.004 0.296 Side Spring 0.38 21-Feb-17 210 120 7.66 293 602 2.3 0.004 -97.536704 25-May-17 153 32 7.96 286 593 2.8 0.001 0.2 2:52 2.1 30.943861 30-May-17 30 7.81 279 575 0.000 0.01 7.63 582 0 29-Jun-17 928 28 284 1.8 0.3 25 599 5-Jul-17 10:57 7.89 291 3.96 0.005 0.22 11-Aug-17 1247 21 7.77 290 595 2.9 0.002 0.2 14-Aug-17 16 7.63 294 603 2.2 0.004 0.3 1105 12-Mar-18 203 12 8.07 294 605 0.006 0.3 19-Mar-18 303 22 7.87 291 597 0.002 0.3 23-Mar-18 218 12 8.03 293 603 0 NT 946 12 0.005 26-Mar-18 8.07 290 598 NT 0.002 0.3 11-Sep-18 1030 23 8.1 299 616 29-May-19 0 1122 122 8.04 297 611 0.004 22-Jun-20 941 11 8.11 285 587 0.003 NT 13-Jul-20 217 10 8.07 582 4.31 0.001 NT 283 28-Jul-20 1043 10 7.95 296 608 4.62 0.019 NT 31-Aug-20 928 6 8.29 287 592 4.3 0.016 NT 86.7 7.47 10-Sep-20 1020 18 7.92 297 611 3.9 0.018 NT 7.07 80.3 4.6 7.54 83.6 3-Dec-20 828 12 8.07 293 603 0.009 NT 1.5 0.008 6.07 69.2 2-Jun-21 116 116 8.09 301 621 NT 0.32 293 3.4 NT 207 547 0.005 80.7 22-Jun-21 8.14 604 7.08 0.67 4.5 23-Sep-21 1018 18 7.94 296 610 0.004 8.5 96.4 0.06 NT 18-Oct-21 1008 14 7.96 299 614 2.4 0.004 7.65 81.2 0

616

2.9

20-Jun-22

916

11

7.92

299

0

NT

7.25

84.5

0.15

-97.534881 30.943319

Location

	<u>Date</u>	<u>Time</u>	<u>CFS</u>	<u>PH</u>	<u>TDS</u>	Cond.	<u>Nitrates</u>	<u>Nitrites</u>	<u>Fluoride</u>	DO mg/L	DO %	<u>Turbidity</u>
I	21-Sep-16	244	48	7.73	285	586	4.18	0.003	0.368			
	16-Feb-17	136	46	7.56	295	607	4.3	0.005	0.262			
1	21-Feb-17	222	120	7.63	293	601	3.1	0.005	0.21			
)	25-May-17	200	32	7.89	289	593	1.9	0.005	0.3			
	30-May-17	2:57	30	7.68	293	602	2.5	0.002	0.27			
	29-Jun-17	935	28	7.6	290	597	2.1	0.002	0.2			
	5-Jul-17	11:03	25	7.83	292	600	3.93	0.004	0.23			
	11-Aug-17	1257	21	7.75	295	608	3.4	0.002	0.2			
	14-Aug-17	1110	16	7.6	293	604	3.4	0.003	0.2			
	12-Mar-18	215	12	7.94	287	587		0.002	0.3			
	19-Mar-18	305	22	8.08	278	573		0.007	0.2			
	23-Mar-18	223	12	7.89	286	589		0.007	NT			
	26-Mar-18	950	12	7.98	290	598		0.009	NT			
	11-Sep-18	1038	23	8.06	287	592		0.011	0.3			
	29-May-19	1131	122	8	297	611		0.004	0			
	22-Jun-20	953	11	7.89	298	616		0.005	NT			
	13-Jul-20	224	10	7.83	296	608	4.16	0.002	NT			
	28-Jul-20	214	10	7.84	297	611	4.31	0.024	NT			
	31-Aug-20	940	6	8.13	289	593	4	0.016	NT	3.09	36.7	
	10-Sep-20	1030	18	7.86	297	612	2.3	0.017	NT	5.53	61.1	
	3-Dec-20	852	12	7.96	294	606	4.5	0.027	NT	7.64	75.2	
	2-Jun-21	125	116	7.9	307	637	2.8	0.002	NT	6.21	71.2	0.25
	22-Jun-21	218	547	8.05	302	623	3.1	0	NT	6.45	73.9	0.58
	23-Sep-21	1027	18	7.93	297	611	3.4	0	NT	8.5	96	0.06
	18-Oct-21	1015	14	7.96	298	614	3.5	0	NT	6.18	71.5	0.03
	20-Jun-22	926	11	7.9	303	622	2.7	0.007	NT	4.22	65.3	1.75

Location Date Time CFS PH TDS Cond. Nitrates Nitrites Fluoride DO mg/L DO % Turbidity 21-Sep-16 251 48 7.92 288 598 4.08 0.003 0.273 16-Feb-17 142 46 7.55 295 608 3.99 0.005 Doc Benedict 0.345 0.39 21-Feb-17 245 120 7.62 297 602 2.3 0.004 -97.534948 25-May-17 205 32 7.82 296 611 2.3 0.006 0.3 2.3 30.943967 30-May-17 3:06 30 8.09 288 592 0.002 0.42 7.55 558 2.1 29-Jun-17 940 28 271 0.008 0.2 25 5-Jul-17 11:07 7.81 293 603 3.85 0.004 0.26 11-Aug-17 100 21 7.71 295 602 3.5 0.001 0.2 14-Aug-17 16 7.58 293 602 2.1 0.002 0.3 1115 12-Mar-18 219 12 7.95 290 599 0 0.3 19-Mar-18 315 22 8.01 286 590 0.012 0.3 23-Feb-18 228 12 7.89 294 604 0 NT 953 0.001 26-Mar-18 12 7.96 290 596 NT 7.92 604 0.3 1045 0 11-Sep-18 23 294 0.5 29-May-19 1140 122 7.96 305 628 0.001 22-Jun-20 955 11 7.89 395 607 0.006 NT 227 10 7.95 287 592 0.001 NT 13-Jul-20 4.31 28-Jul-20 158 10 7.82 297 612 4.47 0.02 NT 31-Aug-20 945 6 8.09 292 601 3.9 0.027 NT 8.23 95.1 7.42 10-Aug-20 1037 18 7.79 297 611 2.7 0.017 NT 83.9 7.95 83.4 3-Dec-20 858 12 294 604 4.7 0.003 NT 7.49 7.88 2.2 0.007 6.22 2-Jun-21 134 116 303 624 NT 71.7 0.61 225 547 0.004 70.5 22-Jun-21 8.03 303 620 1.1 NT 6.08 0.69 23-Sep-21 1032 18 7.93 298 613 3.2 0.005 NT 8.49 96.1 0.14 18-Oct-21 1018 14 7.94 299 615 1.9 0.006 NT 7.24 81.3 0.16 20-Jun-22 930 11 7.92 303 623 2.8 0.005 NT 6.82 77.4 0.6

<u>Location</u> Anderson -97.534503 30.944111

<u>Date</u>	<u>Time</u>	<u>CFS</u>	<u>PH</u>	<u>TDS</u>	Cond.	<u>Nitrates</u>	<u>Nitrites</u>	<u>Fluoride</u>	DO mg/L	DO %	<u>Turbidity</u>
21-Sep-16	300	48	7.87	284	584	4.18	0.005	0.354			
16-Feb-17	152	46	7.72	297	612	3.99	0.008	0.473			
21-Feb-17	251	120	7.58	295	608	2.4	0.002	0.44			
25-May-17	210	32	7.78	295	606	0.9	0.006	0.3			
30-May-17	3:13	30	7.86	294	604	3.9	0.000	0.27			
29-Jun-17	945	28	7.59	291	599	2.5	0	0.3			
5-Jul-17	11:11	25	7.79	292	602	3.88	0.004	0.26			
11-Aug-17	105	21	7.59	292	600	1.7	0.11	0.1			
14-Aug-17	1120	16	7.66	291	598	1.9	0.006	0.3			
12-Mar-18	222	12	7.84	288	596		0.009	0.3			
19-Mar-18	318	22	7.96	287	589		0.004	0.3			
23-Mar-18	232	12	7.86	288	594		0.002	NT			
26-Mar-18	956	12	7.91	290	598		0.001	NT			
11-Sep-18	1052	23	7.93	291	599		0.003	0.3			
29-May-19	1146	122	7.93	298	616		0.003	0.5			
22-Jun-20	1000	11	7.84	298	614		0.01	NT			
13-Jul-20	231	10	7.88	296	609	4.1	0.022	NT			
28-Jul-20	202	10	7.74	297	612	4.47	0.023	NT			
31-Aug-20	953	6	7.98	299	614	3.3	0.34	NT	7.79	89.8	
10-Sep-20	1042	18	7.81	297	611	3	0.021	NT	7.18	81.1	
3-Dec-20	906	12	7.91	294	606	3.1	0.006	NT	7.3	81	
2-Jun-21	140	116	7.8	309	627	1.5	0.006	NT	7.83	95.2	0.45
22-Jun-21	237	547	8.02	290	596	3.8	0.002	NT	7	81.2	4.97
23-Sep-21	1040	18	7.92	298	612	2.3	0.004	NT	8.73	98.5	0.29
18-Oct-21	1022	14	7.93	298	612	3	0.007	NT	7.42	85.6	0.02
20-Jun-22	936	11	7.92	301	620	2.9	0.002	NT	7.35	81.4	0.2

<u>Location</u> Upstream -97.536988 30.943897

	<u>Date</u>	<u>Time</u>	<u>CFS</u>	<u>PH</u>	<u>TDS</u>	Cond.	<u>Nitrates</u>	<u>Nitrites</u>	<u>Fluoride</u>	DO mg/L	<u>DO %</u>	<u>Turbidity</u>
ı	21-Sep-16	224	48	8.05	241	499	2.58	0.008	0.235			
	16-Feb-17	124	48	7.59	242	500	2.05	0.017	0.326			
8	21-Feb-17	212	120	7.73	201	417	0.1	0.002	0.3			
7	25-May-17	156	32	8.22	240	493	1.9	0.003	0.3			
	30-May-17	2:55	30	7.9	232	479	2.4	0.005	0.26			
	29-Jun-17	930	28	7.61	250	514	2.3	0.008	0.3			
	5-Jul-17	10:58	25	7.83	265	546	3.1	0.012	0.23			
	11-Aug-17	1250	21	7.66	235	487	2.1	0.014	0.1			
	14-Aug-17	1107	16	7.71	254	524	1.2	0.013	0.3			
	12-Mar-18	205	12	8.32	242	499		0.007	0.2			
	19-Mar-18	305	22	7.93	224	463		0.008	0.2			
	23-Mar-18	220	12	8.23	242	603		0.006	NT			
	26-Mar-18	948	12	8.15	241	498		0.008	NT			
	11-Sep-18	1032	23	8.38	162	338		0.013	0			
	22-Jun-20	939	11	8.25	259	534		0.003	NT			
	13-Jul-20	205	10	8.38	262	540	3.48	0.019	NT			
	28-Jul-20	1032	10	8.44	275	575	3.33	0.044	NT			
	31-Aug-20	912	6	7.98	267	551	2.9	0.052	NT	7.7	96.4	
	10-Sep-20	950	18	8.56	274	562	2.5	0.032	NT	5.83	65	
	3-Dec-20	1110	12	8.67	262	543	1.4	0.016	NT	9.94	96.7	
	2-Jun-21	100	116	8.32	207	430	0.3	0.006	NT	6.94	79.2	12.73
	22-Jun-21	153	547	8.61	109	229	0	0.02	NT	6.46	79.9	257
	23-Sep-21	1000	18	8	295	606	2	0.006	NT	8.73	98.1	0.81
	18-Oct-21	955	14	8.02	278	574	2.4	0.006	NT	8.14	93.1	1.02
	20-Jun-22	900	11	8.2	290	595	1.7	0.025	NT	7.86	91.3	3.77

Date Time CFS PH TDS Cond. **Nitrates** Nitrites Fluoride DO mg/L DO % Turbidity 21-Sep-16 315 48 7.99 253 523 2.99 0.005 0.312 16-Feb-17 7.81 253 522 0.014 156 46 2.43 0.159 21-Feb-17 254 120 7.81 211 438 1.20 0.008 0.260 Down stream 25-May-17 215 32 7.78 257 529 2.00 0.005 0.200 -97.533989 30-May-17 3:17 30 7.86 257 530 2.60 0.003 0.290 39.944543 29-Jun-17 950 28 7.61 292 601 2.4 0.004 0.2 5-Jul-17 11:13 25 7.8 278 573 3.56 0.006 0.22 11-Aug-17 110 21 7.69 263 542 2.4 0.005 0.2 1125 7.73 272 563 2.2 0.2 14-Aug-17 16 0.01 12-Mar-18 230 12 7.83 270 557 0.002 0.3 19-Mar-18 322 22 8.35 260 529 0.003 0.3 23-Mar-18 235 12 7.89 270 557 0.005 NT 554 26-Mar-18 1000 12 7.94 269 0.006 NT 191 0.1 11-Sep-18 1056 23 8.02 396 0.012 581 22-Jun-20 1005 11 7.86 283 0.009 NT 13-Jul-20 234 10 7.87 291 599 3.91 0.024 NT 28-Jul-20 207 10 7.84 277 570 0.017 3.84 NT 31-Aug-20 1002 6 7.92 291 603 3.8 0.035 NT 8.34 101.1 10-Sep-20 1051 18 7.8 269 556 3 0.033 NT 8.13 91.5 8.91 3-Dec-20 912 12 7.91 281 578 4 0.17 NT 91.2 456 92.3 2-Jun-21 149 116 7.92 220 1.6 0.005 NT 8.09 8.69 547 0 0.023 22-Jun-21 241 8.24 130 291 NT 6.52 80.4 208 7.91 293 3.4 1050 0.004 99.8 23-Sep-21 18 605 NT 8.85 1.01 18-Oct-21 1028 14 7.97 274 564 1.4 0.008 NT 8.54 90.8 0.7 20-Jun-22 942 11 7.92 290 600 2.1 0.006 NT 8.45 88.7 0.77

Location

	<u>Date</u>	<u>Time</u>	<u>CFS</u>	<u>PH</u>	<u>TDS</u>	Cond.	<u>Nitrates</u>	<u>Nitrites</u>	<u>Fluoride</u>	DO mg/L	<u>DO %</u>	<u>Turbidity</u>
<u>Location</u>	13-Nov-15	unk	unk	unk	279	575	4.00	0.002	0.200			
	22-Sep-16	400	48	7.69	285	588	4.32	0.004	0.341			
Cave Well	16-Feb-17	214	46	7.65	294	608	4.31	0.005	0.293			
	21-Feb-17	308	120	7.75	293	603	4.20	0.000	0.400			
-97.53777	25-May-17	225	32	7.77	292	601	2.20	0.003	0.300			
30.942044	30-May-17	3:29	30	7.66	292	602	1.30	0.003	0.020			
	11-Aug-17	140	21	7.6	293	603	3	0.003	0.1			
	19-Mar-18	333	22	7.9	284	582		0.001	0.3			
	23-Mar-18	242	12	7.87	292	601		0.002	NT			
	26-Mar-18	1009	12	7.89	290	599		0.002	NT			
	11-Sep-18	1110	23	7.93	289	594		0.004	0.3			
	22-Jun-20	1027	11	7.83	296	609		0.005	NT			
	13-Jul-20	242	10	7.85	297	610	4.41	0.019	NT			
	28-Jul-20	222	10	7.81	296	611	4.63	0.026	NT			
	31-Aug-20	1015	6	7.9	296	609	4	0.028	NT	7.38	85.2	
	10-Sep-20	1100	18	7.79	295	602	4.2	0.029	NT	6.89	78	
	3-Dec-20	1120	12	7.93	293	605	4.7	0.015	NT	7.67	85.6	
	2-Jun-21	215	116	7.87	298	614	3.6	0.003	NT	8.4	97.7	0.14
	22-Jun-21	258	547	8	294	605	3.7	0.008	NT	7.57	86.5	0.8
	23-Sep-21	1104	18	7.9	298	611	3.4	0.002	NT	8.56	97	0
	18-Oct-21	1037	14	7.95	298	612	3.2	0.004	NT	8.23	95.2	0.02
	20-Jun-22	956	11	7.92	302	622	2.7	0.004	NT	7.89	87.5	0.2
	<u>Date</u>	<u>Time</u>	<u>CFS</u>	<u>PH</u>	<u>TDS</u>	Cond.	<u>Nitrates</u>	<u>Nitrites</u>	<u>Fluoride</u>	DO mg/L	<u>DO %</u>	<u>Turbidity</u>
<u>Location</u>	12-Mar-18	145	12	8.58	297	617	7.3	0	0			
Robertson	19-Mar-18	254	22	7.89	285	589	5.7	. 11	0.3			
	23-Mar-18	210	12	8.56	294	615		0.001	NT			
-97.540273	26-Mar-18	935	12	8.53	311	653		0.003	NT			
30.944542	11-Sep-18	1017	23	8.5	205	424		0.027	0			
	22-Jun-20	932	11	8.48	284	592		0.003	NT			
	13-Jul-20	250	10	8.02	301	617	4.29	0.001	NT			
	28-Jul-20	235	10	8.03	297	611	4.61	0.021	NT			
	10-Sep-20	950	18	8.56	274	562	2.5	0.007	NT	7.71	86	
	3-Dec-20	1130	12	8.26	291	599	2.9	0.025	NT	8.87	97	
	2-Jun-21	230	116	8.2	299	612	2.4	0.004	NT	7.04	85.5	1.75
	22-Jun-21	315	547	8.22	284	583	2.1	0.01	NT	7.54	86.3	0.38
	23-Sep-21	1113	18	8.08	297	612	4.7	0.005	NT	8.83	99.6	1.21
	18-Oct-21	1046	14	8.12	278	609	3.5	0.005	NT			0.35



Salado Salamander Monitoring Final Report 2022



Peter H. Diaz Texas Fish and Wildlife Conservation Office San Marcos Texas Jennifer Bronson Warren Texas Parks and Wildlife Department Waco Texas

Justin Crow San Marcos Aquatic Resource Center San Marcos Texas





Table of Contents

Executive Summary	. 3
Introduction	
Methods	
Results	
Robertson and Downtown Spring Complex	. 6
Solana Ranch Spring #1	. 7
Stream Flow and Well Height Data	. 7
Discussion	
Literature Cited	17



Acknowledgements

We appreciate the assistance from many TPWD and City of Austin biologist for help with the collections. To Tim Brown for the support over the years. We appreciate the support from Clearwater Underground Water Conservation District for funding this work.

Executive Summary

Monitoring of the Salado salamander (*Eurycea chisholmensis*) concluded in January of 2023 finalizing the eighth year of monitoring by the Texas Fish and Wildlife Conservation Office (TXFWCO) at the Salado Downtown Spring Complex (DSC) and at Robertson Springs in Bell County (Figure 1). A total of three Salado salamanders were detected this year at Robertson and the DSC. A single salamander was collected at Anderson, Big Boiling, and from Middle Spring on the Robertson Ranch. Robertson Springs ceased flow by August and did not begin to flow again for the remainder of the year. Flow at Side Spring in the DSC continued to decrease until the flow began from below the orifice through the alluvial sediments. All salamanders were captured during active searches. This was the second lowest average year for discharge on Salado Creek during our monitoring period since 2015.

Monitoring continued at Solana Ranch Spring #1 (SR1), providing a fourth year of quarterly data. A total of 114 detections, made up of 58 individual salamanders (determined through photographic analysis) were documented over the seasonal monitoring period. Over 90% of the of salamanders captured at SR1 were adults.

An additional spring site known as Kings Garden on the Tres Palacios Tract was added to the overall monitoring program for the Salado salamander. This site was visited three times during 2022 and during each visit salamanders were detected (n=31). No recaptures were documented. Sampling protocols followed the TXFWCO Salado salamander monitoring protocol.

Over eight years of monitoring by the TXWFCO, we have added one new Salado salamander location at Anderson Spring in the DSC. At the time there were only a few sites where the salamander had been documented. There have been three peer reviewed publications relating to the Salado salamander (Diaz et al. 2020; Nice et al. 2021; Diaz et al. 2023 in press). In addition, four peer reviewed publications describing the aquifer community and species present in this northern section of the Edwards Aquifer have come from the Salado salamander work (Okan Külköylüoğlu et al. 2017; Gibson et al. 2020; Alvear, Dominique et al. 2020a; Alvear, Dominique et al. 2020b). This information will be valuable and aid in management decisions as the Village of Salado, Bell County and the northern portion of Williamson County continue to expand their conservation into the future.

Introduction

The Salado salamander (*Eurycea chisholmensis*) was first described as a species in 2000 (Chippindale et al. 2000). Although the salamander had been discovered earlier and was in a collection kept at Baylor University by B.C. Brown, no formal description had been made. In addition, collecting individuals from this population proved to be difficult (Chippindale et al. 2000). Due to the limited knowledge about the species (population density, life history patterns), potential threats (dewatering and urbanization), and limited geographical range, this species was listed as threatened by the U.S. Fish and Wildlife Service (USFWS) on February 21, 2014. Critical habitat was designated in 2021 and more information can be found at http://www.fws.gov/southwest/es/austintexas.

The Salado salamander is the most northern population of fully aquatic *Eurycea* in Texas. The species is highly restricted geographically and is hypothesized to have a very low population within Central Texas (Norris et al. 2012). Nice et al. (2021) presented an analysis on the effective population size, showing that the northern populations (i.e. DSC, Robertson, Solana) have a lower effective population size compared to sampled populations in the southern group of Salado salamanders (Cowan Creek Spring and Twin Springs).

Before monitoring by TXFWCO, there was no active research or monitoring program in place for this species. In addition, the known community structure of aquifer dwelling species in the northern segment of the aquifer was not well studied. Due to these gaps in scientific knowledge of the species and the aquifer, the TXFWCO has been collecting data on habitat associations, reproduction, seasonality, surface densities, and the aquifer community with the intent of creating a long term data set for the species within its known geographical range.

Methods

Sampling was conducted quarterly this year at the DSC, Robertson Springs, and SR1 (Figure 1). The DSC consists of Big Boiling, Side Spring, and Anderson Spring. Sampling at Kings Garden Spring was done when time was available, but followed the same methods as Solana listed below. Timed searches were used at Robertson, while Side and Anderson spring were searched entirely due to the small area of the springs. Solana Ranch Spring #1 was sampled from the spring orifice to a location where the spring run fans out and enters the main channel. Areas where the water emerged from under the gravel and cobble pile were searched. Another smaller spring adjacent to the main spring was also entirely searched (from spring run to spring

orifice) each visit. Sampling at Kings Garden was done from the spring orifice to a pool. The pool creates a shift from a cobble and gravel run to silt substrates, which appear to be present due to the slower flowing water in the pool.

All springs were actively searched by uniformly turning over rocks, sifting through vegetation, and debris. During timed searches all mesohabitats were searched for salamanders. Salamanders were captured using small aquarium nets. Captured salamanders were placed into mesh bags and kept in the spring run for processing.

Drift nets with 250 µm mesh were used for passive sampling at Robertson and SR1 when spring flow was available. Nets were left in place for seven days to passively collect organisms as part of the monitoring regime. Aquatic invertebrates captured during this sampling were taken back to the lab, sorted, identified, and enumerated. Most taxa were photographed using a dissecting scope with certain taxa sent to experts for identification.

If a salamander was captured during any survey the primary substrate and vegetation were documented. If a salamander was captured in the drift net placed over an orifice, a designation of cave conduit was applied for substrate. All captured salamanders had two sets of photographs taken. First, photographs alongside a ruler were taken to determine total length of the salamander (mm) using the program ImageJ (Schneider et al. 2012). Following that, a close-up photograph of the head was taken and analyzed with the program WildID (Bolger et al. 2012) to determine if any individuals were recaptures (Bendik et al. 2013).

Due to low surface densities encountered at the sites over the years, the data have been collapsed and examined cumulatively. As in previous reports the overall dataset has been updated to include the 2022 collections. Data was grouped into seasonal blocks for a size distribution analysis. The relative abundance of salamanders was calculated for each season separated into size classes. Size classes are from 0-19, 20-29, 30-39, 40-49, 50-59, 60-69 mm; 1, 2, 3, etc. respectively. Associated substrate and vegetation percentages were updated to reflect the new collections.

Solana Ranch Spring #1 statistical analysis included probability of capture from quarterly data collected from 2020 – 2022 (n=553). The probability calculations marked each time a salamander was captured and identified as "1", therefore the capture history of a salamander for 2019 may resemble 101001 (six number places for six events, 0 = not detected, 1 = detected). For this example, the probability is the sum of the captures divided by the number of events,

therefore, 0.5. Examining the average probabilities of capture history provides some insight into the effort of sampling between years.

Water level and flow data was collected from the Cemetery Well (Monitor well #5804628) and from the USGS gauge on the Salado Creek (USGS #08104300) from 2014 to 2022. This data was plotted with the total collection of salamanders from each year of sampling since 2015. This analysis was conducted to determine if there is an indicator for the issuance of spring flow at Robertson, and to identify preliminary trends associated with the salamander collections.

Results

Robertson and Downtown Spring Complex

A total of three salamanders were detected at Robertson and the DSC (Table 1). Of these three, two were juveniles (< 25 mm total length; Bowles et al 2006) and one was marginally an adult, 25.58 mm, well within the margin of error from photographs. Two were captured from the DSC, at Big Boiling Spring (n = 1) and Anderson Spring (n = 1). Robertson Springs produced one salamander from Middle Spring (Figure 2). By August of 2022 Robertson Springs complex was completely dry to the confluence of Salado Creek. Spring flows at Robertson had still not returned by the last sampling event in January of 2023. Drift netting captured zero salamanders at Robertson Springs. Drift net sampling was not used at the DSC in 2022.

A total of 179 Salado salamanders have been captured since 2015. Three salamanders do not have associated substrate or vegetation data, leaving 176 salamanders to examine with substrate and vegetation associations. A total of 67 (38%) salamanders were captured in drift nets, presumably leaving the aquifer. Of the remaining 109 salamanders caught on the surface, 73 (66%) were caught in gravel as the primary substrate, and 28 (25%) were caught in cobble as the primary substrate (Table 2). Other substrates included boulder, sand and silt. Data from past habitat sampling at Robertson Springs has shown around 50% of the substrate to be silt (Diaz et al. 2016). Salamanders have been captured different types of vegetation, but 47 (43%) were associated with watercress (*Nasturtium* sp.), and 43 (39%) were captured in areas with no vegetation.

From the 179 total individuals detected, 172 were used to examine the temporal shift in size for surface populations at the DSC and Robertson Springs. The updated temporal shift in

surface population size classes displays a classic progression from smaller to larger, over the course of the year (Figure 3). In spring, the majority of salamanders captured were in the smallest size class ranging from 10 to 19 mm. The spring trend line shows (dashed blue line) a minimal bimodal hump, with a smaller hump in the fifth size class. In summer (solid green line), the smallest size class is still prevalent by one salamander, however, the second hump in the third size class is comparable. During fall (dot and dash purple line), the community is dominated by the fourth size class. The winter trend line (dotted red) is similar to the fall line except the initial hump of the line is in the first size class rather than the second size class as in fall. Overall, more salamanders have been detected in spring, with the fewest detected in winter.

Solana Ranch Spring #1

A total of 116 salamanders were captured at SR1 during 2022 monitoring. After removing recaptures of individual adult salamanders, the capture history shows that 58 individual adult salamanders were detected and photographed during 2022. The number of recaptures from the previous year were similar to 2021. However the actual number of new individuals was lower compared to previous years (Table 3). Probabilities for recapture are listed in Table 3 and are similar between sampling events from the last three years.

Five of the 116 salamanders were considered juveniles (<25 mm). Reviewing salamanders capture data dating back to 2017, the majority of the surface captures were adults (92%). The size average, based on the 558 salamanders detected since 2017, is 52.22 mm. The largest Salado salamander (87 mm) captured to date was ein October 2020.

The temporal shifts in size class follow the same trends as the DSC and Robertson data, but the overall population exhibits larger salamanders on the surface year-round (Figure 4). During the fall there have been no documented occurrences of salamanders in the first or second size class. This type of graph when compared to individual graphs from the other springs in the monitoring area highlight the permanence of the spring at Solana Ranch by exhibiting most of the salamander community at size classes 4 – 6 throughout the year (Figure 5).

Stream Flow and Well Height Data

This analysis shows the tracking of the Cemetery Well with the capture of salamanders (Figure 6). The Cemetery Well has an inverse relationship with salamander abundance at Robertson Springs (Figure 7). Salamanders were captured at Robertson Spring when levels at the Cemetery Well ranged from 12 to 75 feet below the surface. Although there have been varying

levels of effort over the years, if the springs are dry no salamanders will be surfacing. Once the springs on the Robertson property go dry a large percentage of salamanders are removed from the overall potential total at year end. Only when flows return to the springs at the Robertson property do the probabilities of capturing a salamander return. This year, the flows did not return at the end of the year as they have in the past and flows from the productive spring zones at Robertson began to noticeably recede in early June.

Discussion

The low number of encounters with Salado salamanders in 2022 was due to the lack of rain and an ongoing drought beginning around the end of 2019. The lack of rain has caused the dewatering of Robertson Springs. During the last drought in 2014, a pool of water remained from Ludwigia Spring down to the confluence of Salado Creek. In comparison, as of January 2023 no springs were flowing at Robertson and the run was dry to the confluence of Salado Creek. The Cemetery Well water level was examined to determine if it correlated to Robertson Spring flow reductions or ceasing of flows. Salamander data from Robertson was shown to have a negative correlation with the "feet below the surface" data collected from the well. Although a relationship was shown it is not predictive enough with the salamander data to be useful at this time. Effects of time spent underground for surface species has been documented and was shown to have loss of tail width during long periods without surface interaction (Bendik and Gluesenkamp 2013).

The temporal shifts in size class for the Salado salamander appear to echo other research for the northern group of *Eurycea* sp. indicating a season for breeding (Pierce et al. 2014). This pulse in the northern salamander group appears unique and could be facilitated by the shallowing of the aquifer as the limestone generally decreases in depth as the aquifer moves north. This type of shallowing of the limestone could cause the influx of recharge water into inhabited areas more quickly than in deeper portions of the aquifer.

Other research by Bendik et al. (2017) on the Jollyville Plateau salamander (*E. tonkawae*) and Pierce et al. (2014) on the Georgetown salamander (*E. naufragia*) showed a peak time for gravidity in December, with Pierce et al. (2014) showing an additional peak in February or March for the Georgetown salamander. Gravidity has not been observed in the Salado salamander in the number of observations necessary to elucidate any trends. What would be expected is to see a lag time between gravid females observed by the two mentioned authors and

the observation of salamanders in the first size class. Growth curves in captive San Marcos salamanders show that it takes about 60 days to reach around 15 mm. Therefore, if there was a peak in Salado salamander gravidity in December, the juveniles would be on the spring surface and measure up to about 15 mm at the earliest in late February. The Salado salamander seasonal dynamics graph shows the largest percentages of juveniles occur during spring, which runs from March to May. In other words, we might hypothesize that there is some peak in gravidity for the Salado salamander sometime in December or January, although undetected.

Habitat associations, given the smaller data set collected for the Salado salamander, compared to the other species to the south, are consistent with their reports of habitat associations taken from larger sample sizes with more robust surface populations present (Bowles et al. 2006; Diaz et al. 2015). Due to the small surface populations at the monitoring sites, examining the data is statistically challenging, however, thinking about observed versus expected may be one way to look at the overall Salado salamander data set. Observed would be the data set for the Salado salamander (e.g. habitat associations). Expected would be the larger established and published data sets with more years of data collection and then anecdotally examining the congruence of the patterns within the two data sets to provide evidence for observations collected in the Salado. For example, substrate and diet data collected from 2015 to 2018 mentioned in the results is congruent with what is known and published about other southern salamander species (Bowles et al. 2006; Diaz et al. 2015). This published evidence does provide some further validity to the Salado data despite the smaller sample size of salamanders.

Insights into why the surface densities of these salamanders are historically small (Norris et al. 2012), with estimates by the author that surface populations are around 10 salamanders at the DSC and Robertson Springs sites, could be based on eight years of monitoring observations. The hydroperiod of the springs (i.e. the duration of discharge over time) and proximity to larger order streams, (i.e. ecological disturbance) may play a large part of influencing surface densities at historic Salado salamander sites (Robertson Springs and DSC). Salado Creek's hydroperiod includes large pulses of water after large rain events in the watershed. These pulses cause Salado Creek to rise high enough that it floods the spring outlets at the DSC and at Robertson Springs. The flood waters also bring or remove sediment, gravel and cobble changing the habitat substrate and even depth over the spring orifices as seen at Side Spring (DSC).

The spring flows in the DSC appear to be stable except for Little Bubbly Springs which has been intermittent during the study. However, Robertson Springs has a large fluctuation in hydroperiod and was not flowing in 2015, and resumed discharging at many of the orifices in 2016. In 2017, the discharge began to decline again and ceased to flow in 2018. Flow returned to the springs at the beginning of 2019. In 2020 the flows began to subside in May and by August no salamander producing mapped spring zones were flowing. In addition, Robertson and the DSC springs are at the known northern fringe of *Eurycea* distribution in Texas and the Edwards Aquifer. In comparison, the surface population present at SR1, just south of Salado, over the last eight years have always been detectable and consistent with regards to count data. Solana Ranch Spring #1 has had a consistent hydroperiod, is not near a larger order stream or river, and is south of the known northern locations for these salamanders.

These factors may be a large part of why the surface densities are low at the historic Salado salamander sites. In addition, the small surface recruitment of salamanders seen at Robertson and Anderson springs, based on the drift net sampling data, suggest that the populations at these sites may be slow to recover from natural disturbances like a flood or cessation in flows. Given that surface densities are low but appear to be consistent given the flows over the last eight years (2015- 2022), it has been suggested that a large proportion of the Salado salamander population is below the surface within the aquifer (Nice et al. 2021). The first genetic analysis for the Salado salamander was completed in 2021, and a second round of genetic collections begin in 2023 with the goal to estimate an effective population density at the sites previously assessed. Additionally, new sites will be included in the genetic analysis. This type of analysis can be woven into part of the monitoring program for the Habitat Conservation Plan in development for the area.

The views expressed in this paper are the authors and do not necessarily reflect the view of the U.S. Fish and Wildlife Service or Texas Parks and Wildlife Department.

Table 1. Number of Salado salamanders collected during quarterly monitoring using active and

passive sampling techniques 2022. (NS = not sampled)

Season	Robertson	Downtown Spring Complex	Solana Ranch Spring #1	Kings Garden
Spring	1	2	47	11
Summer	0	0	26	20
Fall	0	0	28	NS
Winter	0	0	20	NS

Table 2. Habitat associations of the Salado salamander determined by 177 salamanders collected from 2015 to 2022 at the Downtown Springs Complex (DSC) and Robertson Springs.

	#	%
Cave Conduit	67	37.85
Substrate		
Silt	3	2.73
Sand	2	1.82
Gravel	73	66.36
Cobble	28	25.45
Boulder	4	3.64
Vegetation		
Sagittaria sp.	1	0.93
Nasturtium sp.	47	43.52
Filamentous Algae	4	3.70
Ludwigia sp.	3	2.78
Amblystegium sp.	5	4.63
Hydrocotyle sp.	2	1.85
none	43	39.81
Organic Debris	2	1.85
Grass	1	0.93

Table 3. History of quarterly monitoring data from Solana Spring Ranch #1 (SR1). "Recaps Previous Years" are <u>individuals that were captured more than once between sampling years</u>.

	2020	2021	2022
Recaps Previous Years	15	33	34
Recaps for Year	18	11	14
New Individuals	83	75	58
Adult Totals	116	119	106
Probability of recap	23	29	30

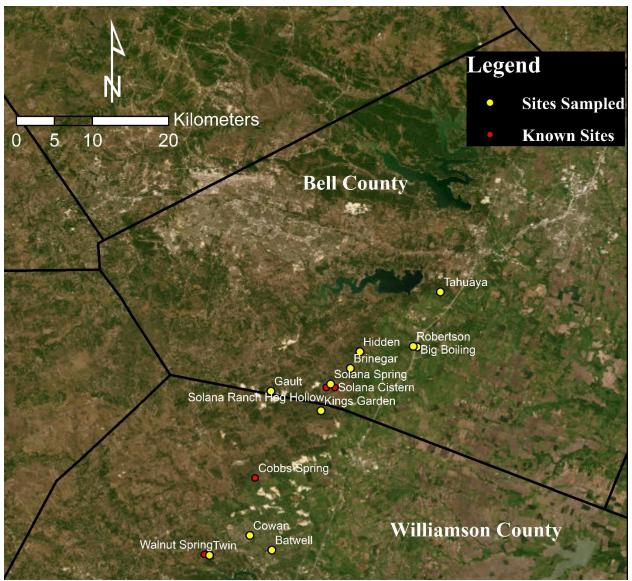


Figure 1. Study area for Salado salamander monitoring or searches conducted from 2015 to 2020.

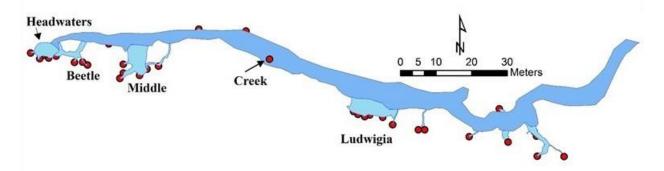


Figure 2. Map of Robertson Springs showing spring zones mapped in 2016 during optimal flow conditions at the site. Light blue zones are spring zones, red dots are orifice, and the blue is the spring run terminating into Salado Creek.

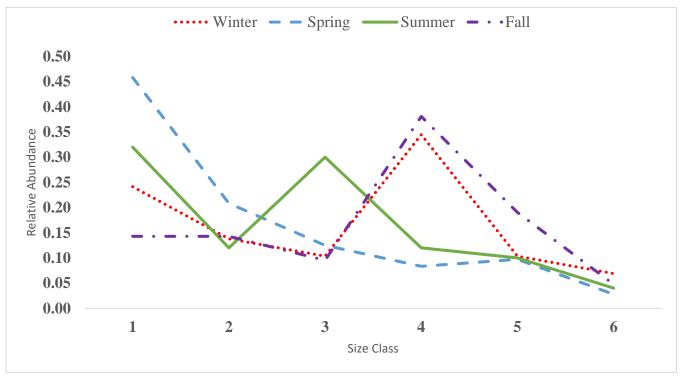


Figure 3. Relative abundance of Salado salamanders reflecting the dominant size class captured from the Downtown Spring Complex (DSC) and Robertson Springs by season from 2015 to 2022 for 172 salamanders. Size classes range from 10 - 19.99 mm = 1; 20 - 29.99 mm = 2; etc.

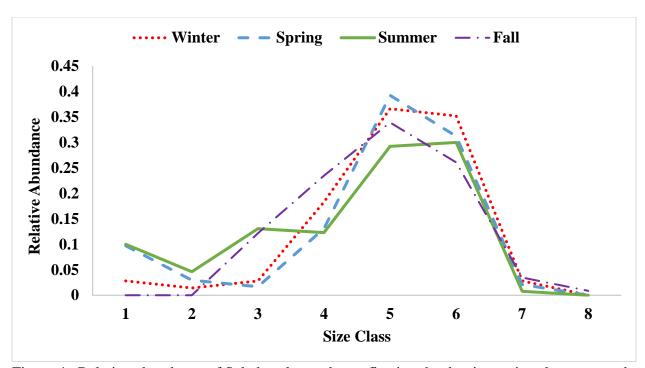


Figure 4. Relative abundance of Salado salamanders reflecting the dominant size class captured from the Solana Ranch Spring #1 by season from 2015 to 2022 for 553 salamander observations. Size classes range from 10 - 19.99 mm = 1; 20 - 29.99 mm = 2; etc.

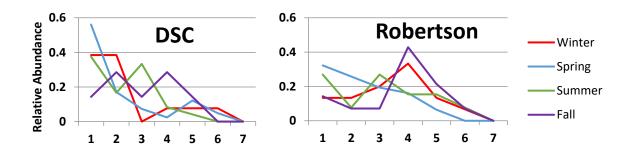


Figure 5. Relative abundance of Salado salamanders reflecting the dominant size class captured from the Downtown Spring Complex (DSC) and Robertson Springs by season from 2015 to 2022. Salamander observations; 86 from Robertson Springs and 85 from the DSC. Size classes (x-axis) range from 10 - 19.99 mm = 1; 20 - 29.99 mm = 2; etc.

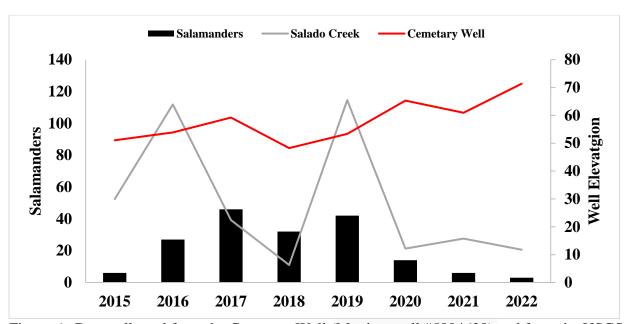


Figure 6. Data collected from the Cemetery Well (Monitor well #5804628) and from the USGS gauge on the Salado Creek (USGS #08104300) plotted with the total collection of salamanders from each year sampled at the Downtown Spring Complex (DSC) and Robertson Springs.

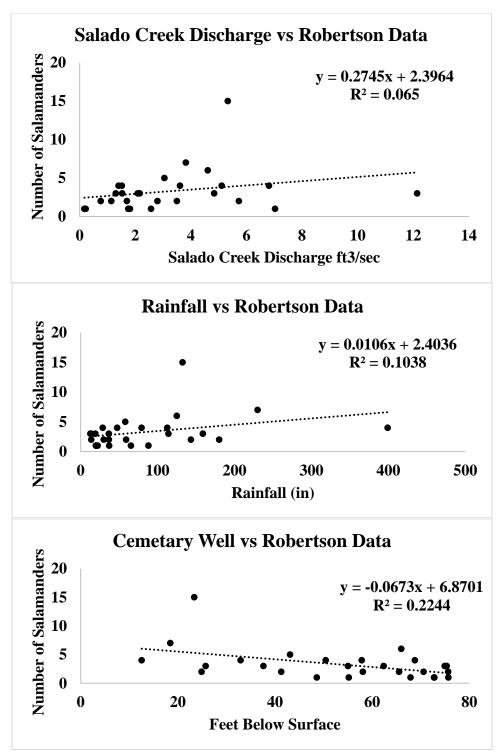


Figure 7. Relationships between Salado salamander capture data from Robertson Springs (2015 to January 2023) and predictors of abundance data.

Literature Cited

- Alvear, Dominique et al. 2020^a. Expanding the Known Ranges of the Phreatic Snails (Mollusca, Gastropoda, Cochliopidae) of Texas, USA. *Freshwater Mollusk Biology and Conservation* 23: 1-17.
- Alvear D, Diaz PH, Gibson JR, Jones M, Perez KE. 2020^b. An unusually sculptured new species of *Phreatodrobia* Hershler & Longley (Mollusca: Caenogastropoda: Cochliopidae) from central Texas. Zootaxa
- Bendik NF, Morrison TA, Gluesenkamp AG, Sanders MS, O'Donnell LJ. 2013b. Computer-assisted photo identification outperforms visible implant elastomers in an endangered salamander, Eurycea tonkawae. PLoS ONE 8:e59424 DOI 10.1371/journal.pone.0059424.
- Bendik, N.F., and A.G. Gluesenkamp. 2012. Body length shrinkage in an endangered amphibian is associated with drought. Journal of Zoology 290:35–41.
- Bolger, D.T., T.A. Morrison, B. Vance, D. Lee, & H. Farid. 2012. A computer-assisted system for photographic mark—recapture analysis. Methods in Ecology and Evolution 3:813-822.
- Bowles, B. D., M. S. Sanders, R. S. Hansen. 2006. Ecology of the Jollyville Plataue salamander (*Eurycea tonkawae*: Plethodontidae) with an assessment of the potential effects of urbanization. Hydrobiologia 553: 111-120.
- Chippindale, P. T., A. H. Price, J. J. Wiens, & D. M. Hillis. 2000. Phylogenetic relationships and systematic revision of central Texas hemidactyliine plethodontid salamanders. Heretological Monographs 14:1-80.
- Chippindale, P. T., R. M. Bonett, A. S. Baldwin, & J. J. Wiens. 2004. Phylogenetic evidence for a major reversal of life-history evolution in plethodontid salamanders. Evolution 58:2809–2822.
- Diaz, P., M. Montagne, J.R. Gibson. 2016. Salado Salamander Monitoring Final Report 2016. Texas Fish and Wildlife Conservation Office. U.S. Fish and Wildlife Service, San Marcos, Texas.
- Diaz et al. 2020. Urban stream syndrome and contaminant uptake in salamanders of Central Texas. Journal of Fish and Wildlife Management 11:287–299; e1944-687X. https://doi.org/10.3996/032018-JFWM-017
- Diaz PH, Alvear D, Perez KE. 2020. Mesohabitat associations of the Devil Tryonia (Tryonia diaboli (Gastropoda: Truncatelloidea: Cochliopidae). *Freshwater Mollusk Biology and Conservation* 23: 18-24.
- Diaz et al. 2023. Seasonal Breeding Eurycea chisholmensis. In Press Herp Notes.
- Gibson, R, Hutchins, BT, Krejca, JK, Diaz, PH, Sprouse, PS. 2020. *Stygobromus bakeri*, a new species of groundwater amphipod (Amphipoda, Crangonyctidae) associated with the Trinity and Edwards aquifers of central Texas, USA.
- Nice et al. 2021. Geographic patterns of genomic variation in the in the threatened Salado salamander, *Eurycea chisholmensis*. Conservation Genetics:811-821.
- Norris, C, A. Gluesenkamp, J. Singhurst, & D. Bradsby. 2012. A biological and hydrological assessment of the Salado Springs complex, Bell County, Texas. Texas Parks and Wildlife Department Unpublished Report.
- Okan Külköylüoğlu,; M. Yavuzatmaca, D. Akdemir; P.H. Diaz, R Gibson. 2017.
 On Schornikovdona gen. nov. (Ostracoda, Candonidae) from rheocrene springs in Texas (U.S.A.). Crustaceana 90:1443-1461.

Schneider, C.A., Rasband, W.S., Eliceiri, K.W. 2012. "NIH Image to ImageJ: 25 years of image analysis". Nature Methods 9:671-675.





Public Records Aquifer Science Videos Educational Programs

Q

RAINWATER HARVESTING

llearwate

Rainwater Harvesting

RAINWATER HARVESTING

Rainwater harvesting is an innovative alternative water supply approach anyone can use. Rainwater harvesting captures, diverts, and stores rainwater for later use.

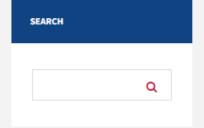
Implementing rainwater harvesting is beneficial because it reduces demand on existing water supply, and reduces run-off, erosion, and contamination of surface water.

Rainwater can be used for nearly any purpose that requires water. These include landscape use, stormwater control, wildlife and livestock watering, in-home use, and fire protection.

A rainwater harvesting system can range in size and complexity. All systems have basics components, which include a catchment surface, conveyance system, storage, distribution, and treatment.







For more information, please visit the Texas A&M AgriLife Extension - Rainwater Harvesting website and the Texas Water Development Board - Rainwater Harvesting website.

Related Resources



Rainwater Harvesting Book: Homeowners and landowners can construct systems to capture, store and use rainwater to water their landscape plants.



BRUSH CONTROL Home | Brush Control

BRUSH CONTROL

Clearwate

Brush Busters is a cooperative program of the Texas AgriLife Research and Extension Service to expedite the adoption of Tactical Brush Management Systems (TBMS) technology.

Brush Busters methods are easily understood, even by those with little or no previous experience in brush control. We recommend only "select" treatments capable of killing at least 7 out of 10 of the plants treated. Brush Busters methods make every attempt to keep equipment costs and complexity to a minimum, and whenever possible, to use non-restricted herbicides. One-page pamphlets are available from most County Extension offices that describe, in a simple 3-step process, the Brush Busters control methods for mesquite, pricklypear and cedar. Videos are available for checkout through most County Extension offices that demonstrate the Brush Busters control methods. For those who are computer literate, a CD-ROM Brush Busters program is a vailable that uses interactive video, audio and graphics to teach the use of Brush Buster methods for mesquite control.

- Cedar
 - Leaf Spray Method
- o Spot Spray Method
- o Top Removal Method
- How to Estimate Costs for Controlling Small Cedar
- Cut Stumps
 - Cut Stump Spray for Hardwood Species
 - o Cut Stump Spray for Redberry Cedar
- Huisache
 - o Leaf Spray Method
 - Stem Spray Method
- Macartney Rose
 - o Leaf Spray Method
- Mesquite
 - o Leaf Spray Method
- o Stem Spray Method
- How to Estimate Cost for Controlling Mesquite

- Pricklypear
 - o Pad or Stem Spray Method
 - o Top Removal Method
 - o How to Estimate Costs for Controlling Pricklypear
- Saltcedar
 - o Leaf Spray Method
 - o Stem Spray Method
- Tallowtrees
 - o Leaf Spray Method
 - o Stem Spray Method
- Yucca
 - o Herbicide + Oil Whorl Spray
 - Undiluted Whorl Spray
- Equipment



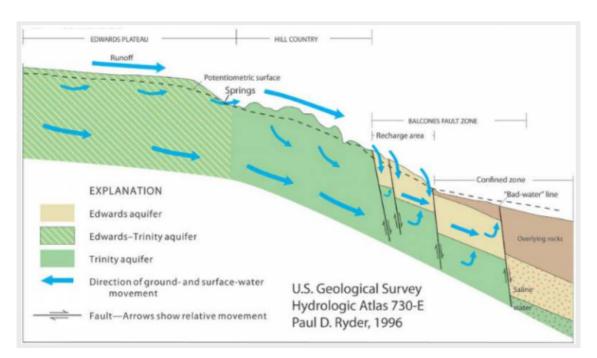




Clearwater

Recharge Enhancement

RECHARGE ENHANCEMENT



Where is my well? Where is my property? Click Here

SE	ARCH			
			Q	

Recharge enhancement is an important tool to help encourage recharge of our groundwater. Urban development decreases direct recharge from precipitation but introduces new sources of water which, in most instances, can increase groundwater recharge if applied properly.

Best Management Practices for Recharge Enhancement

Onion Creek Recharge Enhancement



Staff measures wells quarterly in order to closely monitor th	a aquifier levels as part of our statuatory responsibility. The Years Matter Development Reand conducted some of information through publication of continuous monitoring data on the measurements of the	of the measurements, shown in red. The measurements in blue were taken by the Cleansan the TuDOF wells and an additional well in Salado, shown in red.	sater staff. The Tisca's Water Development Board provides								
State # 59-05-404 58-12-10 CUWCD # E-02-021P E-02-646 Wild Name Auda Tobo	1 58-06-410 58-06-408 58-05-106 58-06-425 58-06-704 G E-08-054P E-10-005P E-13-005P E-18-043GU E-18-107P Young Coppin Thaler Brown Edwards	SE-12-204 SB-12-205 SB-04-418 SB-04-628 E-19-0289 E-19-0239 E-19-0279 E-19-0796U Vener Young Ebback Compile!	\$8.04.20 \$8.04.20 40.41.712 \$8.04.611 \$2.04.702 \$8.04.816 \$8.04.628 \$8.13.50 6.19.6150 6.19.1139 6.21.0005 6.22.002 M.06.0011 M.08.0015 M.08.0016 M.08.001	S8-04-502 S8-03-702 40-61-409 M-13-004G M-14-001P M-16-002G M-22-001P Salada ISO Guilt - Edwards Ball Co DOT	\$8-12-203 40-61-710 40-60-913 \$8-04-623 N1-18-6029 N1-20-6029 N1-20-6029 N2-02-6026 Wilde Mandows Dillings Tout Depoil & Sharel Str.h. Strangovshilden	S8-04-602 S8-04-509 S8-04-509 N2-02-003G N2-02-005G N2-02-007G 0 Salado WSC (RE) Salado WSC (RS) S	58-04-510 58-04-625 58-04-512 58-04-513 58-04-627 N2-02-0006 N2-02-6006 N2-02-6105 N2-02	\$8-04-627 \$8-04-317 \$8-04-621 N2-07-0105 N2-10-002P N2-11-008P Boomer Mfs. Invest Construction Charles Breezi	58-65-109 58-04-523 58-04-524 58-65-110 58-05-109 N2-15-005P N2-15	\$8-06-216 N2-15-012P londs Scott I no Well #0 , I no a louer . No	58-04-305 58-04-640 58-04-319 40-61-711 58-04-321 N2-17-001P N2-18-001P N2-28-001G N2-28-006P N2-22-001F Val Trans East Server Valley English Interital SSS Engenting Resident IJC Solidon SV Ends
Highest -78.70 -210.00 Lowest -500.00 -220.20	-3030 -5635 -7625 -4435 -6335 -4010 -7230 -12610 -4950 -6600	-236.60 -232.05 -36.11 -40.00 -252.00 -252.00 -29.10 -15.10	-10.26 -5.180 -101.59 -63.75 -69.92 -116.65 -4.69 -27.10 -11.90 -47.40 -110.59 -63.75 -78.25 -129.64 -49.10 -40.00	-38.30 -53.32 -126.73 -86.00 -60.00 -59.30 -128.94 -86.00	-284.00 -31.70 -54.93 -66.10 -241.00 -56.90 -59.24 -106.50	-21.57 56.14 -68.64 -64.07 -72.74 -42.34	-0.100 -50.40 -75.59 -72.49 -34.60 -120.10 -47.70 -103.19 -103.21 -50.70	-97.10 -74.50 -47.10 -108.40 -75.30 -78.10	-7110 -46.54 -45.42 -22.80 -17.95 -85.50 -106.51 -106.04 -66.29 -42.70	-19.22 -57.20	-71.10 40.100 -01.80 -11.10 -79.12 -206.00 -75.10 -102.21 -70.40 -21.50 -81.22 -206.00
7/23/1966 12:00 2/20/1968 12:00 1/1/2880 0:00			-71.00	40.00		-15.00					
1/1/2981 0:00 1/1/2985 0:00				-50.30	-83.80	-29.30					
1/1/29310:00 9/1/293712:00					-0.0		40.00				-906.00
3/16/1998 12:00 11/4/1999 12:00				-86.00			-90.00				
8/8/2000 12:00 1/1/2003 0:00 7/1/2003 0:00			-78.25 -78.96	-40.50 -77.00	-83.40	-61.20	-90.00 -96.00 -36.20 -36.20 -36.20				
1/1/2004 0:00 7/1/2004 0:00			-72.20 -72.27 -73.28 -72.26 -72.26 -73.26	-46.50 -55.30 -49.00 -46.40 -47.00 -47.00 -47.00	-88.50 -81.20	-63.20 -88.30 -20.50 -22.70 -27.20	-84.00 -86.00 -38.33 -41.00 -35.33 -42.00 -37.33 -37.33 -37.33				
1/1/2005 0:00 6/30/2005 17:00 7/1/2005 0:00			-72.20 -72.17 -27.10	47.00	-94.70	-27.20 -26.00	-17.50 -41.90				
1/1/2006/0.00			-67.30	4160 4160 4160 4160 4160 4160 4160 4160		-36.50	41.70				
\$1/2006-000 \$(-70/2006-000 \$(-70/2006-000 \$0/2006-000 \$0/2006-000 \$0/2006-000 \$0/2006-000 \$0/2006-000 \$0/2006-000 \$0/2006-000 \$0/2006-000			-72.73	43.40	-93.70	-41.94	42.00				
9/1/2006 0:00 9/30/2006 17:00			-72.07	42.90		-34.09	4150				
10/1/2006 0:00			-72.56 -43.30 -72.56 -43.30	44.40	-94.20	-33.21 -30.09	42.00 42.20				
1/1/2006 0:00			-57.00 -57.00	-40.30		-27.55	-29.20				
1/1/2007 0:00 6/20/2007 17:00 7/1/2007 0:00 7/4/2007 0:00 1/4/2007 0:00			-99.27	44.60		-31.50	-34.60				
1/1/2008 0:00			-12.07 -43.60	49.60	-94.90	-31.42	40.30				
6/30/2008 17:00 7/1/2008 0:00			-69.52 -124.90 -49.50	-52.00		-40.17	42.00				
1/1/2009 0:00 6/30/2009 17:00			-72.88 -125.47 -71.91 -60.30	-5140	-97.20	-38.92	-41.90				
7/1/2009 0:00 1/1/2010 0:00 6/30/2010 17:00	-58.30		-72.19 -128.15 -82.61 -70.40 -118.18 -28.81 -55.00	-51.50 -48.20		-34.92 -27.12	-49.90 -28.00				
7/1/2010 0:00			-120.66 -72.82 -55.80	-50.50		-31.53	40.50				
6/3/2011 17:00 6/3011 17:00 7/1/2011 0:00			-72.05 -122.76 -94.63 -58.20 -71.05 -125.39 -81.51	49.0	-85.00	-31.43 -35.52	-41.40 -42.90				
8/31/2011 17:00 9/1/2011 0:00			-65.60 -71.15 -126.41 -89.10	63.00	-97.60	-27.82	44.20	7.6			
11/1/2011 0:00			-72.08 -126.09 -80.97 -72.00 -72.00	-52.60	-82.00	-22.53	42.90	-76.60			
1/1/2012 0:00 3/8/2012 19:00 4/20/2012 17:00			-74.20 -125.18 -64.78	60.00	-248.00	-30.73	41.00				
\$/\$/2012 0:00 \$/\$/2012 0:00			-72.83 -122.57 -79.17 -65.90	-60.60	40.30	-31.30	40.20				
1/1/2013 0:00			-71.20 -125.18 -71.54	49.60	-83.80	-12.40 -58.00 -76.00	-109.60 -66.10 -87.00 -101.90				
3/5/2013 18:00 4/1/2013 0:00 4/20/2013 17:00	42.90		-60.00			-59.50 -78.50	-114.30 -67.60 -89.70 -102.30				
5/1/2013 0:00 7/31/2013 17:00	-72.30		-72.57 -126.78 -64.79 -63.70 -63.70	49.80				47.10			
8/5/2013 0:00 11/1/2013 0:00	-72.30 -66.90		1	49.50	-92.50 -79.50	-22.40 -70.24 -89.90 -29.40	-115.90 -69.70 -97.45 -85.30 -42.90 -42.10				
12/2/2013 0:00 1,6/2014 0:00 1/11/2014 18:00			26.90			-57.60 -74.60 -58.30 -72.50	-83.90 -64.50 -65.67 -93.30 -102.30 -63.90 -85.67 -102.50	-72.80			
2/1/2014 0:00 4/7/2014 0:00	-67.00		-73.64 -124.22 -47.54	49.70 -59.20	-78.40	-20.20 -60.34 -75.60	-108.72 -65.50 -87.17 -102.90 -	-77.00			
5/1/2014 0:00 5/1/2014 0:00	-70.70		-72.98 -125.66 -72.25 -62.40	-52.00 -57.30	-88.70	-31.00	45.30				
8/1/2014 0:00 8/4/2014 0:00	-70.90		-34.24 -128.09 -02.71	-52.50 -57.30	-90.20	-22.80 -70.74 -88.20	-115.80 -94.80 -95.77 -83.91				
11/1/2014 0:00	-67.60		34.3) -1760 -7739 -440 -73.77 -755.3 -366	42.70 -58.58	-97.00	-31.20	-110.90 -66.90 -88.27 -102.50				
1/1/2015-0:00	-67.62		-72.77 -125.52 -30.01	-41.10 -59.00	-77.70	-29.60	47.50	-72.70			
1/5/2015 0:00 2/2/2015 0:00						-31.07 58.30 -76.30 -29.77 58.24 43.54	-93.90 -66.10 -87.57 -102.10 -00.10 -65.70 -86.67 -002.71 -00.90 -66.70 -86.72 -002.71				
4/5/2015 0:00 5/4/2015 0:00						-29.17 -57.94 -43.50 -29.77 -67.54 -98.54	-001:0 -65.70 -66.47 -027.21 -05.90 -64.70 -66.27 -022.81 -007.70 -66.70 -66.27 -022.10 -110.60 -88.90 -86.87 -022.21				
5/31/2015 17:00 6/1/2015 0:00	-61.10			-38.30 -53.32	-74.90	-23.97 -64.64 -41.34	-106.30 -63.50 -80.47 -76.61 45.60	-70.50	-66.00		
7/6/2015 0:00 8/3/2015 0:00						-26.77 69.34 40.74 -54.87 69.74 42.14	-83.20 -62.50 -83.07 -76.61 -110.50 -85.30 -87.47 -77.70				
9/13/2015 17:00 9/14/2015 0:00 10/15/2015 0:00	-69.20		-72.70 -122.76 -77.55	-50.40 -58.36	-79.30	-27.70 68.04 48.54 -28.47 68.54 -94.54	-11150 - 45.20 - 48.89 - 78.51 - 44.50 - 11120 - 45.20 - 46.20 - 79.21 - 77.21 - 46.50 - 46.70 - 40.27 - 77.21 - 46.50 - 46.70 - 40.27 - 77.21 - 46.50 - 46.70 - 40.27 - 77.21 - 46.50 - 46.50 - 46.70 - 79.27 - 402.60	-76.30			
11/2/2015 0:00			-50.00	45.40		-25.07 -57.54 -83.04	91.50 -64.70 -82.87 -77.21 -28.90	-72.90			
11/39/2015 0:00 12/4/2015 0:00	-61.20		-72.00 -120.44 -16.30	3.11	-70.00	-22.90 -57.34 -71.54 -71.54	AMOD 461 20 278 27 107 60				
1/1/2016 0:00 1/4/2016 0:00			-72.60			-34.60 -57.34 -79.54	-83.50 -61.30 -78.09 -102.49 -38.80				
1,9(2016 18:00 1,5(2016 0:00 2,0 (2016 0:00	-62.20		-71.91 -119.60 -61.53	-67.00 -57.36	-66.30	-34.60 -35.60 -57.50 -30.34	-80.50 -60.20 -79.69 -502.59 -105.59 -61.50 -81.69 -102.69	-73.80			
3/7/2016 0:00 4/1/2016 12:00						-26.60 -57.90 -71.94	-105.50 -41.50 -81.69 -102.69 -102.79 -102.79				
4/4/2016-0:00 4/18/2016-17:00 4/19/2016-0:00	-62.65		-71.39 -120.16 -15.78 -50.50	47.50	4.9	-25.00 46.34 -73.50 -26.30	-109.10 -12.70 -81.10 -102.79 -28.14	-71.50			
5/2/2016 0:00 6/1/2016 0:00			-71.27 -117.89	-55.52		-25.40 -58.50 -71.54	-38.14 -105.10 -41.30 -40.00 -102.69				
6/2/2016-0:00 6/6/2016-0:00 7/5/2016-0:00			-4.49			-22.00 -56.70 -68.64 -25.20 -67.50 -72.74	-101.99 -58.40 -76.39 -102.99 -100.79 -46.00 -89.69 -74.19 -100.29 -48.70 -85.30 -78.79 -109.00 -46.70 -62.09 -74.89				
8/1/2016 0:00 8/28/2016 0:00						-26.40 -67.74 -80.30 -25.40 -65.94 -72.54	-109.20 -82.70 -85.20 -75.79 -109.00 -61.70 -82.09 -74.89				
8/29/2016 17:00 8/29/2016 18:00 8/20/2016 0:00			-51.60 -119.60 -51.40	-62.00	-94.22				-58.50 -58.50 -73.80		
10/4/2016 0:00			-71.60 -120.43 -74.40			-26.40 -61.40 -73.54	-111.90 -62.90 -94.49 -76.49				
11/1/2016 0:00 11/2/2016 0:00			-71.78 -121.10 -74.02 -71.78 -121.40 -72.91	-37.39 -57.75							
11/7/2016 0:00 11/28/2016 0:00 12/1/2016 0:00			27.05 -33170 -2731	9.9		-27.20 -59.54 -72.34 -27.40 -58.74 -72.34	-110.20 -62.90 -92.69 -76.69 -108.70 -62.50 -62.89 -76.69				
12/6/2016 0:00 12/12/2016 0:00			-71.93 -121.67 -51.72	-57.34		-27.57 -58.14 -72.50	-101.70 -62.14 -62.29 -102.69 -107.30 -62.20 -82.29 -102.49				
12/19/2016 0:00 1/4/2017 18:00 1/5/2017 0:00			7.5 405 45 45 45 45 45 45 45 45 45 45 45 45 45	-48.80 -58.00	.75.40	-27.77 -58.34 -72.54		-74.70	-42.40 -42.70	_	
1,5,7017 18:00 1,9/2017 0:00	-94.10					-27.00 58.34 -73.54	-107.50 -62.70 -84.09 -102.69 -88.30 -62.90 -83.09 -65.23				
3,5,7017 0:00 3,5,7017 0:00 3,5,7017 0:00			-72.06 -191.71 -53.37 -72.23 -191.11 -43.11	-97.00 -57.00		-27.47 98.34 -73.54 -57.94 -72.74	-88.30 -62.90 -83.09 -85.23 -85.80 -62.10 -82.29 -83.69				
3/6/2017 12:00 3/00/2017 17:00	45.90 -61.30		77.9 1000 -48.00	-48.10 -57.48		-27.20	47.30		-47.60 -46.90		
4,0,2017 0:00 5,8,2017 0:00	-0.50		-72.6 -12130 -60.13 -72.66 -121.15 -60.02	-57.66 -57.56 -57.40	-5.00	-26.97 -61.70 -72.74 -55.17 -67.94 -82.94	-85.90 -62.10 -102.70 -82.49 -112.70 -86.70 -83.29 -102.99				
6/4/2017-0:00 5/5/2017-0:00 2/2/2017-0:00			-72.48 -121.34 -43.05	-57.43		-27.37 48.44 -76.54	42.10				
7/5/2017 17:00 7/5/2017 0:00	-105.10 -27.40 -66.50			-44.70 -58.66	-81.90	-763M -863M	-90.99 -79.59 -50.30	-75.20	-58.60 -58.00		
7/21/2017 0:00 8/9/2017 0:00 9/5/2017 0:00			-72.67 -122.76 -71.86 -72.70 -133.00 #4.66	-57.88 -56.92		-31.17 -71.54 -85.04	-114.90 -87.10 -94.89 -81.59				
9/11/2017 0:00 10/2/2017 0:00			1			-28.77 -76.74 -29.07 -70.54 -75.34	-111.80 -90.50 -91.09 -80.49 -110.80 -46.00 -92.89 -79.69 -44.70 -91.99 -80.09				
10/2/2017 17:00 10/3/2017 0:00 11/6/2017 0:00	37.50 46.99 49.10 37.50 46.99 79.30		-52.50	-52.30 -58.36	-79.40	-29.37 -70.14 -74.74	-64.00 -91.00 -80.00	-34.70	-57.20 -56.50		
12/4/2017 0:00			-72.85 -122.96 -54.90 -72.85 -122.96 -56.04	-92.41		-29.77 -70.54 -76.34	-64.70 -91.99 -80.99 -111.90 -91.50 -86.99 -102.99		4850 4750		-71.00
12/29/2017 0:00 1/7/2018 18:00	-37 60 -66 70 -79 30		-72.94 -123.84 -61.67 -53.10	-51.20	41.20			-74.90	-4E50 -4750		
1/8/2018 0:00 2/5/2018 10:04			546			-50.37 -61.54 -73.94	-64.40 -85.29 -102.29				
2/5/2018 10:05 2/5/2018 10:06 2/5/2018 10:07			-124.09 -72.05	-98.50							
2/5/2018 12:10 2/5/2018 12:11						-50.47 -70.54 -78.44 -78.44 -78.44 -78.34					
2/5/2018 12:12 2/5/2018 12:14 2/5/2018 12:15						-74.44	-84.90 -64.90 -66.00			_	
2/5/2018 12:16 3/5/2018 12:00			-72.92 -124.20 -62.86	-91.9		-50.47 -61.64 -74.34	-102.59 -86.50 -64.60 -89.69 -102.59				
3/28/2018 12:00 3/30/2018 10:20 3/30/2018 11:25	-37.50		-12448		01.00					I	
3/03/2018 11:25 3/03/2018 12:00 3/03/2018 17:40 3/03/2018 17:46 3/03/2018 18:28			-72.95 -75.11	-02.59 -02.20							
3/93/2018 17:46 3/93/2018 18:28 3/93/2018 18:40	-86.20							-75.10	480	—	-75.10
3,93,2318 18-43 3,93,2318 19-27			-52.40			MI N			-50.40		
4(4)/2018 9/37 4(2)/2018 9/00 4(4)/2018 9/00 5/6/2018 14/00				-96.57		-90.57 -71.04 -75.84	-86.19 -102.89 -				
5/7/2018 12:00 6/3/2018 12:00			-73.22 -125.50 -58.26 -73.27	70.0		-20.77 -69.14 -96.14	-111.90 -67.40 -90.89 -82.47				
6/4/2018 22:00 6/4/2018 0:00 6/4/2018 12:00			-126.62 -48.49	100.00		-31.17 -69.54 -85.74	-92.30 -88.90 -97.79 -83.89				
5/11/2018 10:00 5/11/2018 12:00 6/12/2018 12:00			-127.03			4854 4834	-117.60 -90.30 -99.29 -85.99				
7/2/2018 0:00	 	 				48.74 -89.24					

\$8-05-024 \$8-12-101 E-02-0219 E-02-0466 Aulta Telto 02-16/0 02-116/0	S8-04-410	106 S8-04-625 109 E-18-043GU 11 Brown 1-45E-0	and conducted come of the measurement, chown the measurement of the "MoDif wells and as add 58-04-704 58-12-204 C-18-1079 C-19-2019 Edwards Yeps -63.90 -236.40	intend. The measurements in blue were taken by tender with a building shawn in red. 50-12-205 50-01-618 50-01 C-19-0250 C-19-0279 C-19-02 Yepez Ribbeck Camp -222:205 -26:11 -30.	to Cleanwater card. The Taxas mater bevelopment in CSE 58-06-CSB 58-06-CSB 195U 1-18-0815U 1-18-0815	58-04-363	12 58-04-016 58-04-028 51 M-08-001G M-08-002G 10 Rest Stop Salado Cemetar -1116/65	58-13-502 58-04-502 58-03-702 M-12-014C M-13-00MG M-14-001P F y of Barth Sabado 150 Gault - Edwards 12-12-50	80-61-809 M-16-800G M-22-801P Bell Co DOT -21/0-22 COSCO	\$8-12-203 40-61-7 N1-18-002P N1-23-0 Windy Meadows Dillman 1 -221500 -218-0	10 40-40-912 58-04-623 58-04-629 319 N1-18-0129 N2-02-0225 N2-02-0329 NULL Donald & Shenji Rich Stagecoch (deep) Salado WSC (35-53-91 -44-50 -72-53	\$8-04-508 \$8-04-509 \$8-04-510 N3-02-0056 N3-02-0056 N3-02-0086 Salado WSC (W3) Salado WSC (W6) Salado WSC (W6) SC 42-51 Salado WSC (W6) Salado WSC (W6)	SB-04-625 SB-04-512 SB-04-513 SB-04-625 N2-02-0095 N2-02-0095 N2-02-015 N2-02-0095 Salado WSC [87] 7KX Ranch [88] 7KX Ranch [89] Salado ISO (SB-05 N2 N2-02-02-02-02-02-02-02-02-02-02-02-02-02	\$5.00-627 \$5.00-327 \$6.06-621 \$6.05-500 10-2-07-0105 N2-10-0029 N2-11-0049 N2-11-005P 10, Biomer Mfg. James Communition Charles Served Serve	58-04-623 N2-15-0049 in Scott Law Well #1, Guthri -(1551	\$8-04-534 \$8-05-110 \$8-05-100 N3-15-0059 N3-	\$0-00-215 \$0-00-205 N2-15-012P N2-17-001P N2-17-001P Woods Scott Law Well #9- Janu Lever Heart of Texas Fee 15-02-20 N2-17-00 N2-	SB-04-640 N2-19-0079 eed Brasos Valley Equine Hospit SURFO	\$8-04-319 N2-39-001G SDG Properties	40-61-71 N2-20-00 s Reddyles -21152
-100.00 -220.20	-40.10 -72.30 -121 -39.30	10 -49.50	-68.00 -257.00	-252.00 -39.10 -15.	-1190	-87.40 -110.59 -62.75 -78.25	-129.44 -89.10	40.00 40.00 59.00	-128.94 -86.00	348.00 -56.8	59.24 -106.50 -64.07 -50.97	-72.74 -92.34 -120.10 -117.90	-97.70 -103.19 -103.21 -50.70 -92.10 -100.89 -65.89	-508.40 -75.30 -78.30 -85.50	-108.51	-10E.04 -6E.29 -63.70	-57.20 -75.10	-102.21	-70.40	-3150
	-62.10					-71 %	-12676 -4642	-9671			-92.10							1	=	=
								6120					-43.80	-75.70					=	=
	-111	10													.73.10		-71.60	1	=	=
								-51.00			200					-72.12			=	F
											-22.97 -34.01 -50.97	59.48 40.54 41.50 59.64 78.74 49.70 69.24 91.54 -119.29 69.54 92.34 -120.19 69.54 -90.34 -119.70	-93.70 -300.89 -84.69 -91.70 -103.19 -86.29						=	一
						-73.26	-128.87 -01.05	-58.72			-50.97 -50.97	69.54 -92.34 -120.10 -69.54 -90.34 -119.70	-92.50 -102.99 -102.89 -92.30 -103.09 -102.69						=	〓
						-72.25	-62.55 -127.54 -46.20 -129.06 -42.24 -66.67	-52.73			-34.07 -50.97	59.40 40.54 41.20 69.24 40.54 -118.00 -72.54 40.54 -118.00 -58.74 -78.64 42.20 -58.84 -77.54 42.30 -58.54 -77.34 42.30	-94.90 -100.90 -94.99 -97.00 -101.29 -85.99					1	=	E
						-73.36	-129.06 -42.24				-50.97	-72.54 -90.54 -119.10 -58.34 -29.04 47.70	-97.70 -103.19 -86.29					1	=	丰
	-68.10										-32.77 -31.57	58.84 -77.54 47.30 -58.54 -77.34 47.30	-03.50 -96.69 -02.39 -07.30 -96.69 -94.40							亖
	-68.10 -27.90					-73.41	44.67												=	=
								50.00					42.60							=
		0												-75.20			-71.50		=	#=
								-61.00							-57.71	-58.48		1	=	丰
							-125.56	-56.65			-83.20									圭
											-21.77	-59,64 -75,94 -85,90 -58,54 -75,04 -84,50	-66.10 -96.59 -82.49 -66.10 -94.09 -80.79						=	=
											-31.57 -27.17	58.54 -75.34 -84.50 -56.34 -74.34 -81.00	-94.20 -93.69 -80.59 -93.60 -88.09 -78.69							三
						-73.06	-123.01 -17.44	-5.3			-27.57 -27.97	57.84 -73.64 41.90 57.94 -73.14 -105.30	-89.20 -86.89 -77.49 -89.90 -84.90 -77.17					+	=	=
											-27.97 -28.17	-58.14 -73.54 -106.10 -58.14 -73.74 -107.10	-63.70 -84.49 -102.69 -63.70 -84.49 -102.69						=	亖
						-73.00	-121.01 -17.44 -122.45 -55.90	-56.99			-28.17	-57.84 -72.64 -81.90 -57.94 -72.14 -105.30 -58.14 -72.34 -105.10 -58.34 -72.34 -107.10 -58.34 -107.40 -78.94 -107.40	-84.49 -102.89						=	F
			-68.00													-18.50 -45.42			=	E
	-37.60										-76.60							$\pm -$	=	Ħ
						-72.60	-121.15 -30.36	-66.95 -48.00						-73.40		+ + +			₽	Ħ
	-76	0													-46.54		-71.40	1	=	
					1			-65.40							10.0	-17.95				=
						.27 58	-119.32 -42.46	- <u>4.</u> ×			-26.90	-57.74 -71.34 -103.90	-61.90 -91.79 -102.69			-47.65	+	+-=	⊭⊒	F
							-119.23 -57.45				-25.77 -75.00	-57.54 -69.54 -503.90 -57.94 -69.54 -79.70	-60.10 -79.49 -102.69							
			-246.00	-246.00		-72.40	-119.24 -57.45	-56.90			-46.17	9734 -9834 -7870	-40.20 -79.79 -302.09						=	=
	-65.80 -27.70										-92.80							#	=	=
						-32.0 -23.0 -23.0 -23.0	-120.05 -41.90	-57.33 -49.60												
													40.60	-74.00			-71.40	+	=	=
	-43	0													-49.99	-0.90		1	=	=
								-54.00								-90.90			=	=
						-71.66						-58.04 -72.54 -110.70							=	
							-119.78 -4.70	-55.09			-21.97	-56.14 -70.34 -78.50 -57.34 -78.54 -104.00	-60.90 -75.59 -72.49							
						-71.50	-118.24 -57.28	-5.09			-79.20	-57.34 -78.54 -104.00	-93.90 -73.39 -73.09						=	=
							-118.13 -34.76				-94.60				-53.88			1	=	=
	-17.40										-94.50						-71.40	1	=	=
	-6190							-52.20								-53.48		+	=	=
													-39.60	-73.00		-32.22		#		Ħ
	- 41	0									-25.37	-57.54 -108.30 -70.94	-60.20 -78.19 -73.69	-72.00		+			=	=
-210.60						-41.50												1	=	⇇
						-62.75	-119.77 -75.60	-92.70			-26.17	-57.94 -81.54 -109.00	-83.20 -85.19 -75.79					1	=	E
						-61.50 -62.75			-126.73					-71.60 -74.90			-34.20	+	=	=
			-240.01			-74.50									200				=	Ħ
-81.80						-74.50									-52.60	-73.51			=	=
	-64.90													-96.40				#	=	=
				-10	-10.36															
				-36.11				-48.60						-74.00					=	=
	-100	70								-234.00	-106.50					+ +		+	⊭₹	Ħ
		-44.60				-		-58.30										_	=	E
				VB-D			-119.59 -75.26	-96.96			-5.0	-69.54 -74.34 -47.10	-88.90 -86.09 -76.29					#==	=	⇇
						-72.16				$+$ \top	-79.70				.76.34	-76.02		+	⊭₹	Ħ
						-72.16	-121.07 -76.71	-57.45			-50.77	-70.54 -82.24 -111.20	-85.10 -89.09 -79.09		78.00			#	=	₽
					1	-72.16									-75.23	-75.24		40.00	=	F
			-63.90							-237.80								_		E
	-37.70 -66.10			-36.35												<u>+</u>		_	=	E
						-72.27	-122.11 -76.08	93			-84.80				1	+	-34.30	+	Ħ	F
				-13	-12.15												-42	$\pm -$	=	E
					+			-53.20					4190	-74.90		+ +		+===	=	=
		-41.00							-127.22					29.86				$\pm -$	=	E
-88.20	-12					-77.50		-2-20											=	F
		80													-73.66	-73.99		+	=	F
	-13		-244.40					-57.82										#	=	=
							-122.12 -68.41 -122.73 -67.27	-58.23 -58.42			-50.77 -62.60	-70.54 -72.34 -80.80	-62.70 -63.66 -102.69			+ + +	+	+	₽	F
			-64.90							-238.40	10.00							#	=	=
	-3730			-36.60		<u> </u>							<u> </u>	456				=	=	丰
				-11	84	-72.58	-123.03	-52.40								+		#==	=	F
		-47.70			-11.65								-63.50 -84.49 -302.67	-75.20		<u>+ + + + + + + + + + + + + + + + + + + </u>		#==	=	ŧ
												-72.74	.00 .00			+	-71.30	#==	=	F
									-128.53		-9.0	4130		-34.50				_	=	₽
-90.70						-57.50		-64.40						-74.50		+ + = = = =		+-=	≠₹	ŧ
															-52.95	-5165		\pm	=	
																-35.88	-22.00		≠	+=
	-60	0																		1 -



The Servet
els quartery's order to closely monitor the apulier levels as part of our consustay requirebility. The Final states beviligenest based conducted come of the measurement, observin med. The measurement is blade, who raised by the Cleananter codf. The Final states beviligenest based provides believed to the measurement of the ToO's well and as additional well in blade, to be in med.

State #	58-04-408 E-10-005P Coppin	1000 C COMMON CO	58-12-204 58-12-205 E-19-0289 E-19-0299 Yepez Yepez 	55, shown in ed. \$0.01-618 \$0.01-628 \$0.01-629 6.19-0379 6.19-0796U 6.19-0856U Filthbeck Campbell Lowey 2.511 03100 3107	58-04-363 6-19-1139 Law 5-18-10	40-61-712 S8-04-641 E-21-008GI E-22-047G Magnolia hur. W. Ca	58-04-302 58-04-816 58-04-628 58-13-502 M-06-0011 M-08-0015 M-08-0025 M-12-0146 erton's Cris Rest Stop Salado Cemetas by of Burtle	\$8-04-502 \$8-03-702 M-13-004G M-14-001P Salado ISO Gsult - Edwards	40-61-409 M-16-602G M-22-001P Bell Co DOT	\$8-12-203 40-61-7 N1-18-002P N1-23-0 Windy Meadows Dillman 7 22:500 2140	10 40-60-913 58-06-623 11P N1-20-0029 N2-02-0020G nust Donald & Shenyl Rich Stagecoach (deep)	SB-06-602 SB-06-508 N2-02-003G N2-02-605G Salado WSC (W1) Salado WSC (W3) :	S8-04-509	58-04-626 58-04-512 5: N2-62-609G N2-62-660G NG Sallado WSC (#7) 70X Ranch (#8) 70X	08-513 58-04-627 -02-011G N2-03-004G N Ranch (VS) Salado ISD (MS) BI	58-04-627 58-0 2-07-010G N2-11 comer Mfg. James Co	4-217 58-04-621 0-002P N2-11-008P estruction Charles Broack	\$8-05-100	\$8-65-110 N2-15-0099 Scott Law Well #6 - Reed	SB-05-109 N2-15-0109 Scott Law Well #7 - Brady Woods	\$6-04-315 \$6-04-305 \$6-04-60 N2-15-013P N2-17-001P N2-18-007P Scott Law Wild NO - Janua Lever Heart of Texas Feed Reason Valley Equine Hospital	58-04-319 40-63-711 58-04-321 N2-39-001G N2-39-006G N2-31-006P N3-22-001 SDG Properties Reddyler LLC Salado RV Park
Lowest -100.00 -220.20 -40.10 2/2/202012:05 2/4/202012:00	-72.30	-128.10 -49.50 -68.00	-252.00 -252.00	-29.10 -15.10 -13.90	-97.40	-110.59 -63.75	-78.25 -129.46 -89.30 -80.80 -123.03	-60.00 -59.10	-129.94 -86.00	348.00 -56.8	-59.24 -106.50	-64.07 -72.74	-92.34 -120.10 -81.00	-97.70 -103.19	103.21 -50.70	-109.40 -7	78.10	-85.50 -108.51 -108.04	-66.29	43.70	-57.20 -75.10 -102.21	-70.40 -31.50 -81.22 -306.00
2/24/2020 16:10 2/2/2020 12:5 3/2/2020 12:00 24/2/2020 12:20							-72.76 -122.94	-57.30			-91.40	-50.77 -70.74		-63.40 -64.39	102.69						47.99	
3/03/2020 12:00 4/1/2020 10:21 4/10/2020 12:00							-72.73			-22.0	-79.90	-90.97 -70.74	-73.04 42.50	-63.50 -64.09	102.69							
5/4/2020 2:00 5/4/2020 2:02 5/4/2020 12:00 5/6/2020 20:08								-57.15			-94.00	50.07 -71.14	42.74 47.90	-65.10 -84.49	102.99						-21.00	
6/1/2020 12:00 6/15/2020 12:00 6/22/2020 12:00							-122.63 -65.78	-57.89				-50.77 -71.14 -64.07 -71.64 -50.77 -71.64	-73.54 -86.30 -86.94 -92.70 -78.34 -91.50	-63.70 -88.89 -67.50 -94.29 -67.30 -90.49	79.89 81.59 81.29							
6/23/2020 9:40 6/23/2020 9:59 5/23/2020 10:34 6/23/2020 10:39		-65,70		-27.40						-239.40												
6/23/2020 12:20 6/23/2020 12:22 6/23/2020 12:21				-1193			-123.40 -76.52	-58.17													-71.40	
6/23/0200 17:42 6/23/0200 17:50 6/23/0200 17:55		0.00		-13.42				-52.60							43.70							
6/26/2020 84:10 6/26/2020 84:18 6/26/2020 88:86		147.60					-57.00		-127.70							-24	1.90					
6/36/3020 19:00 6/36/3020 19:07 6/36/3020 19:15					-76.00																42.29	
6/26/2020 19:18 6/26/2020 19:20 6/26/2020 19:25 6/26/2020 19:23																		-72.17 -72.21		44.25	419	
6/26/2020 19:47 6/28/2020 12:00 7/28/2020 11:00		-119.70									-95.60	-50.77 -71.94	-87.54 -114.20	-91.50 -97.29	60.79							
8/3/20209-32 8/3/20209-33 8/3/20209-34												-51.00 -71.90	-86.50 -113.50	-90.80								
8/1/2020/26 8/7/2020/26 8/7/2020/25							-72.92 -124.90 -81.18	-98.52				50.77 J73.34	.87.19 .114.40	-91.30 -91.30 -93.69	62.00 62.00							
8/11/0220 10:07 8/11/0220 10:12 -29:50 8/11/0220 10:46				-37.50						-242.20												
8/11/2020 10:57 8/11/2020 11:15 8/11/2020 15:30 8/11/2020 15:40									-120.50		-91.00				$+ \blacksquare$	-106.90	190					
8/11/0200 17:03 8/11/0200 17:03 8/11/0200 17:23				-11.08											\rightarrow	-3					96.80	
R/11/2020 17:50 R/11/2020 18:15 R/11/2020 18:19		-69.10				E		-53.00							45.40							
8/11/0300 IR:25 8/11/0300 IR:23 8/11/0300 IR:23		-128.10			-87.40																-10	
N/11/0300 18/95 8/11/0300 18/95 8/11/0300 18/95 8/11/0300 18/97 -8/2 70																		-1160			47,90	
8/17/2020 0:00 8/17/2020 12:00 8/24/2020 12:00							-72.89 -124.80 -72.87					-50.77 -72.64 -50.97 -72.74	-87.54 -114.90 -89.14 -114.90	-91.90 -91.09 -91.70 -91.39	82.59 82.59							
9/7/2020 12:00 9/9/2020 12:00 9/0/2020 11:13 9/9/2020 12:00							-72.89 -124.80 -73.87	-57.34			-97.40		-75.34 46.00	-65.70 -86.49	-79.99							
9/21/0200 12:00 9/30/2320 11:08 9/30/2320 11:23		-66.00								-240.80		-50.97 -71.54	-78.54 -110.00	-67.10 -87.29 -65.90 -86.49	80.19							
9/30/0020 11:43 9/30/0020 11:48 9/30/0020 12:00				-32.70			-72.01 -124.50 -48.21	-57.73														
9/30/2020 12:08 9/30/2020 12:00 9/30/2020 15:04											-84.90					-102.70		-8550				
9/33/2020 16:29 9/33/2020 16:29 9/33/2020 16:44 9/33/2020 16:51									-126.90							-3	1.90				-71.40	-20.40
9/33/2020 18:46 9/33/2020 18:48 9/33/2020 19:17				-1235 -1284											-43.90							
9/30/2020 19:20 9/30/2020 19:23 9/30/2020 19:27		47.00						52.60									-75.20					
9/33/2020 19:37 9/33/2020 20:00 9/33/2020 20:22 -83:00					-64.10		-67.62														40.77	
9/30/2020 20:23 9/30/2020 20:26 9/30/2020 20:40					-4.0													-59.41 -59.10		-30.24		
9(30)0202 20:45 9(30)020 20:56 105(3020 12:00		-103.90									-96.40	-50.07 49.54	-86.94 -110.70	-67.50 -88.89	40.59						-27.70	
12/1/0200 US-8 12/1/0200 12:00 12/2/0200 10:28							-72.09 -124.65 -71.12	-58.64		-241.10	-85.90											
		-66.90	-242.60	-27.90																		
-37.50							-72.24 -69.06				-84.00					-101.30						
/ALLE/ALLE	-67.50						73.33		-128.35									-75.20				
			-238.65				-124.90														-74.40	
				-1420				62.00							-44.40							
AUTOMAN AUTOMA		47.60															-74.90				9136	
-42.30					-59.40		-70.30											7000				
/ALLE/ALLE																		-55.58		-26.64	-26.49	
2/1/2021 12:00 2/1/2021 12:00 2/1/2021 12:00							-73.30 -124.72 -61.24 -73.45 -125.07	-52.48 -52.67								-3	1.70				35.00	
3/2/2021 14:29 3/29/2021 11:43 3/29/2021 11:43				-38.10							-60.60				=						-72.40	
3/29/2021 12:00 3/29/2021 12:01 3/29/2021 12:21	-67.90	-67.40					-73.37 -124.77	-58.65				-50.57 -70.54	-75.54 45.00	-65.80 -86.79	502.09							
A/29/2021 12:32 3/29/2021 12:37 3/29/2021 12:51 3/29/2021 12:47			-240.00						-128.04	-240.90					\blacksquare	-101.50						
3/29/2021 16:15 3/29/2021 16:27 3/29/2021 16:33			-238.45													-3	1.50	-73.80				
2/23/2021 16:57 2/23/2021 17:07 2/23/2021 17:12											-55.61						-74.60			_	-74.10	
A/28/0021 17:24 3/29/0021 17:24 3/29/0021 10:00 3/29/0021 10:02				-12.56 -14.41				-51.40							-12.60							
1000001115 1000000115 1000000115 1000000115 1000000115 10000000115 10000000000		45.40					450 450 450 450 450 450 450 450 450 450														40.29	
3/29/2021 20:21 -82:20 3/29/2021 20:30 3/29/2021 20:33 3/29/2021 20:33					-56.30										$+ \blacksquare$			-52.12 -52.78				
3/29/0021 20:40 3/29/0221 20:45 3/29/0221 21:05		49.00													\rightarrow					-21.85	-19.23	
4/22/2021 11:00 4/22/2021 11:08 4/22/2021 11:00			-242.80 -238.25			E				-241.60												
4/22/021 11:23 4/22/021 11:27 4/22/021 11:40 4/22/021 11:40		-67.00		-38.30												100.00						
4/22/021 12:00 4/22/021 12:00 4/22/021 12:04 4/22/021 16:20							-73.55 -125.23	-58.60	-128.40		-94.40	-50.57 -63.54	-75.34 -84.70	-66.30 -67.29	98.09	- 802.80						
4/22/2021 IS-35 4/22/2021 IS-50 4/22/2021 IS-55				-12.66					*******												-71.40	
4(22)/3021 18:17 4(22)/3021 18:27 4(22)/3021 18:30				-14.22				-52.20							42.30							
4/22/0021 18:51 4/22/0021 18:05 4/22/0021 18:28 4/22/0021 18:28		-46.20			1		-67.70														40.92	
4/22/2021 19:59 4/22/2021 20:59 4/22/2021 20:01					-59.30									-65.10 -62.89				-54.75 -54.42				
4(22)/2021 20:05 4(22)/2021 20:30 4(22)/2021 20:24		-96.80																54.75		-26.70	-27,64	
3/3/2021 12:00 5/3/2021 16:00 5/3/2021 17:00				+ + +			-125.53	-58.05			+	-63.54	-N.34 42.90	-65.10 -92.89	accard .							



Clearwater UWCD - Edwards BFZ Monitor Wells -126.98 -35.81 6/28/2021 20:51 6/28/2021 21:01 6/28/2021 21:37 -81.30 -79.90 -50.67 -47.04 -31.50 -46.30 -58.30 -58.40 -58.41 -28.17 -65.34 -58.22 -58.29 -72.94 -0130 -0350 -27.67 -59.44 -73.72 -44.27 -44.27 -73.77 -54.05 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.0 -73.80 -121.53 -58.29 -58.40 -28.17 60.34 -28.37 -58.64 -58.15 -74.54 -107.20 -64.20 -58.30 -80.54 -37.90 -75.40 -58.48 -50.67 -59.94 -58.58 -73.07 -120.58 -70.71 -73.08 -120.56 -69.08 -50.64 -58.65 -98.02 -50.77 -60.64 -76.94 -111.70 -92.70 -88.69 -80.69 -95.77 -40.54 -45.34 -47.50 -48.39 -40.60 -40.60 | 0.07 | 0.04 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | -58.30



-55.22 -89.70 -51.00 -88.60 -115.20 -42.90 -95.10 -82.20 -88.60 -48.60 -48.60 -48.60 -48.20 -48.20 -48.20 -48.20 -48.20 -88.34 -91.00 -94.70 -92.89 -82.49 -71.40 -50.90 -60.10 -29.10 -80.58 -50.77 -70.24 97.85 -76.20 46.80 -66.70 -87.20 -103.10 -38.50 -69.10

Character UWCD - Edwards BFZ Monitor Wells



State #	40-57-902		•	40-57-905	40-58-201	57-15-903	40-59-302	40-57-906	Wells and an addition	ional wen in salado	, snown in rea.	_	
CUWCD #	E-02-721G			E-19-224P	M-10-001P	17-CTGCD Robin		N1-19-007P					
Well Name	McCallum #1	McCallum #2		R Family Land	CTC	Robinson	Myers	risty & Larry Bick	/al				
Highest	-131.20	-131.10	-280.10	-212.47	-77.83	-4.93	-467.55	-164.14	0.00	0.00	0.00	0.00	0.00
Lowest	-185.30	-185.30	-418.80	-212.47	-87.59	-64.19	-491.81	-178.05	0.00	0.00	0.00	0.00	0.00
2/24/1993 0:00	-103.30	-185.50	-301.70	-237.30	-67.33	-04.19	-451.01	-178.03	0.00	0.00	0.00	0.00	0.00
2/8/1994 0:00			-301.70										+
1/26/1995 0:00			-280.10										+
1/12/1998 0:00			-302.27										+
1/13/1999 0:00			-297.20										+
2/19/2004 0:00			-304.70										+
11/1/2006 0:00	-142.10	-142.50	-304.70										+
1/1/2007 0:00	-144.30	-144.20											+
7/1/2007 0:00	-131.20	-131.10											+
1/1/2008 0:00	-134.50	-134.40											+
7/1/2008 0:00	-151.80	-151.50											+
1/1/2009 0:00	-145.40	-145.00											+
7/1/2009 0:00	-159.60	-159.50											+
1/1/2010 0:00	-152.10	-152.00			-87.59	-7.38							+
7/1/2010 0:00	-150.60	-151.30			-77.83	-14.51							+
1/1/2011 0:00	-149.70	-150.00			-79.64	-16.03							+
2/25/2011 0:00	143.70	150.00	-326.12		73.04	10.03							+
7/1/2011 0:00	-166.80	-165.70	320.12		-80.53	-16.42							+
9/1/2011 0:00	-170.10	-170.90	<u> </u>		-81.01	-28.97							+
11/1/2011 0:00	-163.80	-164.30			-80.28	-48.35							+
1/1/2012 0:00	-156.50	-157.30			-79.72	-64.19							+
5/1/2012 0:00	-156.40	-157.60			-78.99	-13.83							1
10/9/2012 0:00			-332.23										1
1/1/2013 0:00	-155.00	-157.30			-81.66	-16.64							
5/1/2013 0:00	-160.80	-161.30			-82.13	-16.34							
8/1/2013 0:00	-172.60	-173.30			-82.70	-15.16							
11/1/2013 0:00	-159.20	-160.00			-82.35	-13.11							
2/1/2014 0:00	-156.80	-157.70			-82.68	-14.94							
5/1/2014 0:00	-163.00	-162.90			-83.07	-15.95							
8/1/2014 0:00	-169.70	-167.70			-83.56	-15.96				1			†
11/1/2014 0:00	-165.10	-166.60			-83.42	-21.88				1			†
1/1/2015 0:00	-157.60	-158.40			-83.54	-15.98							
6/1/2015 0:00	-153.20	-154.20			-83.92	-10.12							
9/14/2015 0:00	-167.90	-167.90			-83.48	-15.17							
11/30/2015 0:00	-155.50	-156.50			-82.72	-10.51							
1/1/2016 0:00						-4.93							
1/5/2016 0:00	-154.70	-155.60			-83.50								
4/19/2016 0:00	-155.03				-83.82	-7.72							
4/19/2016 6:00		-157.10											
6/1/2016 0:00						-8.28							1



State #	40-57-902	40-57-903	58-04-103	40-57-905	40-58-201	57-15-903	40-59-302	40-57-906					
CUWCD #	E-02-721G	E-02-722G			M-10-001P	L7-CTGCD_Robin		N1-19-007P					
Well Name	McCallum #1	McCallum #2		R Family Land	СТС	Robinson	Myers	risty & Larry Bick	el				
Highest	-131.20	-131.10	-280.10	-212.47	-77.83	-4.93	-467.55	-164.14	0.00	0.00	0.00	0.00	0.00
Lowest	-185.30	-185.30	-418.80	-237.50	-87.59	-64.19	-491.81	-178.05	0.00	0.00	0.00	0.00	0.00
8/30/2016 0:00	-159.00	-162.50			-84.45								
10/3/2016 0:00					-84.30								
10/6/2016 0:00			-310.15										
10/19/2016 0:00					-84.25								
12/1/2016 0:00					-84.07								
12/6/2016 0:00					-83.91								
12/29/2016 0:00	-153.60	-153.80											
1/5/2017 0:00					-83.90								
2/6/2017 0:00					-83.92								
3/5/2017 0:00					-83.96								
3/30/2017 0:00	-154.10	-154.40			-84.00								
5/8/2017 0:00					-84.23								
6/4/2017 0:00					-84.21								
7/7/2017 0:00	-162.70	-162.90			-84.51								
8/9/2017 0:00					-83.28								
9/5/2017 0:00					-83.37								
10/2/2017 0:00	-160.90	-161.40			-83.30								
10/2/2017 14:09						-14.20							
11/6/2017 0:00					-83.29								
11/6/2017 14:13						-14.05							
12/4/2017 0:00					-83.20								
12/4/2017 14:13						-14.12							
12/27/2017 0:00	-156.70	-156.80			-83.31								
12/27/2017 14:14						-13.81							
3/5/2018 0:00						-13.86							
3/8/2018 12:00					-83.18								
3/29/2018 0:00						-13.98				1		1	
3/29/2018 12:00					-83.41	,							
5/7/2018 0:00						-13.54						1	
5/7/2018 14:21					-83.78					1			
6/3/2018 20:00					-83.99	44.75							
6/4/2018 0:00		162.70				-11.75		1			1		
6/21/2018 11:57		-162.70			04.24			1					
6/21/2018 12:00	162.60				-84.21								
6/22/2018 11:53	-162.60					44.40							
7/5/2018 0:00					04.54	-11.18							
8/6/2018 12:00					-84.54			+		+		+	+
8/13/2018 12:00					-84.38			+		+		+	+
9/3/2018 12:00					-84.46	12.01		+		+	1	+	+
9/4/2018 12:00			l			-12.81		1 1		1	1	1	1



State #					10 FS 201				wens and an addi	donar well ill Salado	, snown in rea.	_	_
CUWCD #	40-57-902 E-02-721G	40-57-903 E-02-722G	58-04-103		40-58-201 M-10-001P	57-15-903 L7-CTGCD_Robin	40-59-302	40-57-906 N1-19-007P					
Well Name	McCallum #1				CTC			risty & Larry Bick	al				
Highest		McCallum #2		R Family Land -212.47	-77.83	Robinson	-467.55	_		0.00	0.00	0.00	0.00
	-131.20	-131.10	-280.10			-4.93		-164.14	0.00	0.00	0.00	0.00	
Lowest	-185.30	-185.30	-418.80	-237.50	-87.59	-64.19	-491.81	-178.05	0.00	0.00	0.00	0.00	0.00
9/10/2018 9:30							-477.86						
9/28/2018 12:00					-84.30	-11.83							
9/28/2018 12:14	-165.70												
9/28/2018 12:17		-166.00											
9/28/2018 14:20							-473.69						
10/17/2018 16:07			-410.82										
11/5/2018 12:00					-83.46	-5.69							
12/3/2018 12:00					-83.64	-8.36							
12/26/2018 9:12							-475.93						
12/26/2018 11:24	-157.10												
12/26/2018 11:27		-157.40											
12/26/2018 12:00					-83.35								
12/31/2018 12:00						-8.77							
2/4/2019 12:00					-83.48	-8.75							
3/4/2019 12:00					-83.91	-9.39							
3/26/2019 9:35							-468.48						
3/26/2019 11:25	-154.00												
3/26/2019 11:28		-154.10											
3/26/2019 12:00					-84.02								
4/1/2019 12:00						-10.07							
5/6/2019 8:00					-84.51								
5/6/2019 12:00						-9.56							
6/3/2019 12:00					-84.88	-9.55							
6/26/2019 9:18							-467.55						
6/26/2019 11:13	-154.10												
6/26/2019 11:16		-154.40											
7/1/2019 12:00						-9.42							
8/5/2019 12:00					-84.81	-11.04							
9/2/2019 12:00						-11.73							
9/3/2019 12:00					-85.08								
9/27/2019 10:00							-473.06						
9/27/2019 11:41	-164.50												
9/27/2019 11:43		-165.00											
9/27/2019 12:00					-84.98								1
10/7/2019 12:00						-12.85							1
10/16/2019 11:40				-213.14									
10/18/2019 8:02				-215.47									
10/18/2019 22:02				-212.47									1
11/4/2019 12:00					-85.22	-13.56							1
12/2/2019 6:00					00.22	-13.35		1					



State #	40-57-902	40-57-903	58-04-103	40-57-905	40-58-201	57-15-903	40-59-302	40-57-906					
CUWCD#	E-02-721G	E-02-722G	E-16-052GU	E-19-224P	M-10-001P	17-CTGCD_Robin	N1-18-003P	N1-19-007P					
Well Name	McCallum #1	McCallum #2	Fant	R Family Land	СТС	Robinson	Myers	risty & Larry Bick	el				
Highest	-131.20	-131.10	-280.10	-212.47	-77.83	-4.93	-467.55	-164.14	0.00	0.00	0.00	0.00	0.00
Lowest	-185.30	-185.30	-418.80	-237.50	-87.59	-64.19	-491.81	-178.05	0.00	0.00	0.00	0.00	0.00
12/2/2019 12:00					-85.26								
12/26/2019 6:00						-13.80							
12/26/2019 10:11							-473.97						
12/26/2019 12:00					-85.07								
12/26/2019 12:57				-222.86									
12/26/2019 13:20	-158.50												
12/26/2019 13:22		-158.80											
2/2/2020 12:00					-85.10								
2/3/2020 6:00						-14.03							
3/2/2020 6:00						-13.62							
5/4/2020 5:00						-12.01							
5/4/2020 12:00					-84.70								
6/1/2020 12:00					-85.11								
6/2/2020 5:00						-12.07							
6/24/2020 9:28							-474.09						
6/25/2020 5:00						-12.54							
6/25/2020 10:17				-226.63									
6/25/2020 10:34	-171.30												
6/25/2020 10:37		-171.40											
6/25/2020 12:00					-85.38								
8/3/2020 5:00						-13.26							
8/3/2020 12:00					-85.74								
9/7/2020 5:00						-13.53							
9/7/2020 12:00					-84.94								
10/1/2020 12:00					-85.03								
10/2/2020 5:00						-13.28							
10/2/2020 9:02							-483.66						
10/2/2020 10:57	-170.90												
10/2/2020 11:00		-171.30											
10/2/2020 11:15				-233.62									
12/1/2020 12:00					-85.07								
12/27/2020 12:00					-85.07								
12/29/2020 10:30				-235.20									
12/30/2020 13:38	-167.80												
12/30/2020 13:41		-168.00											
12/30/2020 14:38							-480.20						
2/1/2021 6:00						-12.46							
3/1/2021 6:00						-12.88							
3/30/2021 10:11				-237.50									
3/30/2021 10:40								-164.14					



State #	40-57-902			40-57-905	40-58-201	57-15-903	40-59-302	40-57-906					
CUWCD#	E-02-721G	E-02-722G	E-16-052GU	E-19-224P	M-10-001P	17-CTGCD_Robin	N1-18-003P	N1-19-007P					
Well Name	McCallum #1	McCallum #2	Fant	R Family Land	СТС	Robinson	Myers	risty & Larry Bick	el				
Highest	-131.20	-131.10	-280.10	-212.47	-77.83	-4.93	-467.55	-164.14	0.00	0.00	0.00	0.00	0.00
Lowest	-185.30	-185.30	-418.80	-237.50	-87.59	-64.19	-491.81	-178.05	0.00	0.00	0.00	0.00	0.00
3/31/2021 5:00						-13.30							
3/31/2021 12:00					-85.49								
3/31/2021 14:53		-170.10											
3/31/2021 15:35							-478.98						
4/2/2021 14:49	-169.90												
5/3/2021 5:00						-13.09							
5/3/2021 12:00					-84.93								
6/29/2021 10:07				-236.56									
6/29/2021 10:38								-165.87					
6/30/2021 12:00					-85.47								
6/30/2021 15:10	-172.90												
6/30/2021 15:12		-173.40											
6/30/2021 16:11							-477.89						
9/2/2021 11:40								-168.11					
9/29/2021 12:00					-85.51								
9/29/2021 14:37								-170.24					
9/29/2021 14:48	-177.90												
9/29/2021 14:50		-178.20											
9/29/2021 16:00							-482.21						
10/13/2021 14:30			-418.80										
11/1/2021 12:00					-85.26								
12/29/2021 12:00					-85.06								
12/29/2021 15:07								-166.48					
12/29/2021 15:18	-171.90												
12/29/2021 15:20		-172.20											
12/29/2021 16:14							-481.40						
2/7/2022 18:00					-85.36								
4/6/2022 11:00					-85.55								
4/6/2022 19:17	.=							-171.89					
4/6/2022 19:28	-176.40									-		1	
4/6/2022 19:31		-176.70								-		1	
4/6/2022 20:39					<u></u>		-482.14			1			
5/2/2022 11:00					-85.75					1			
6/29/2022 11:00					-86.28			477.71		1			
6/29/2022 12:43	46							-176.54		1			
6/29/2022 12:54	-184.70	40.1								1			
6/29/2022 12:57		-184.50					10			1			
6/29/2022 13:48							-485.73			1			
8/1/2022 11:00					-86.32					1			
8/22/2022 11:00			l		-86.32			1			ļ		1



State # CUWCD #	40-57-902 E-02-721G	40-57-903 E-02-722G	58-04-103 E-16-052GU	40-57-905 E-19-224P	40-58-201 M-10-001P	57-15-903 L7-CTGCD_Robin	40-59-302 N1-18-003P	40-57-906 N1-19-007P					
Well Name	McCallum #1	McCallum #2	Fant	R Family Land	стс	Robinson	Myers	risty & Larry Bick	el				
Highest	-131.20	-131.10	-280.10	-212.47	-77.83	-4.93	-467.55	-164.14	0.00	0.00	0.00	0.00	0.00
Lowest	-185.30	-185.30	-418.80	-237.50	-87.59	-64.19	-491.81	-178.05	0.00	0.00	0.00	0.00	0.00
9/6/2022 11:00					-86.14								
10/5/2022 11:00					-86.06								
10/5/2022 12:59								-178.05					
10/5/2022 13:10	-185.30												
10/5/2022 13:13		-185.30											
10/5/2022 13:57							-491.81						
11/1/2022 11:00					-85.75								
12/29/2022 18:00					-85.25								
12/29/2022 21:00								-172.25					
12/29/2022 21:16	-178.40												
12/29/2022 21:19		-178.10											
12/29/2022 22:22							-481.26						
Since Last												0.00	0.00
Historic						-40.97							
	E-line Measurement				re conditions established		ground Water	Conservation Distr	ict for the Upper 1	Trinity	Minimum Numb	er of Measurements:	5
	Sonic Measurement		is no more	than 155 feet	of drawdown after 50 ye	ears.				The	Averag	e Drawdown	-3.98 ft/yr
	TWDB Measurement				avei	rage drawdown goal _l	per year is -3.1	feet.			_	n of Water Level	2.23 14, 41
	No Reading Available											e of Water Level	
	Tito recoming Available										mereus.		

Sall manures with quarterly in order in already manifer the aquiter levels as part of our violationy requ	Clearwater UWCD - Mic	need the measurements, shown in red. The measurements in blue some takening the Counsaion visall. The Tours Water Development Board provides in	Inmation Brough															
TLAN F 18-00-000 18-00-007 18-00-1014 03-00-027 CUNICO F 02-3000G 8-03-3007G 8-03-3007G 8-03-400P WWW.Manner K.Spring Fall Malamore	100 000 1 100 000 00 000 000 000 000 00	Author TAGOT made and an Additional ord in Markins, Names I med. 10.701 8.0015 8.0015 8.00105 8.00105 8.00-023 88.00-024 88.00-025 7.0212 8.00.0027 8.30.0027 8.30.0027 8.30.0027 8.30.0027 10.0016 Replanears Challans Name Tagotics I was California. Lee	18:00:113 18:02:203 18:00:013 18:02:002 18:0 8:30:013P 8:50:013P 8:23:013P 8:22:002P 8:22 Pedgo Natida Goodwill largi Bri	127 38:00:709 88:00:709 80 COUP 6:38:00:07 8:30:300P 8:30:320P 8:32:002P McG wit Miles George in Campy VI WiNDS Coppensis	17-601 56-02-903 9-003P M-13-000P Swe-Middle Elmanticity Monitor	18-00-721 18-02-322 M-04-022P M-14-0235 12 W Gault-Middle Trinly ver Hidge Muniter W	M-09-221 17-30-225 LP-C19CD_N 30-19-C19CD_Finites 30-12-C19CD_Kan Alles Finites Konesii	SP-20-525 SR-00-325 mod M-17-CTGCD_MARING M-17-7WC0 Briggs MARINGRY	SA-CC-300 M-17 FWDB Computer	60-49-601 58-00-304 58-00-509 58- M-38-7A/CB-Cove M-39-000P M-20-000P M-5833302 M-6 REAT-brownell Homes Monthler Well Basery Se	9 17 934 60 13 707 481766 No 09 003P SexTyck Laude Gebrie	56-29-505	18-00-326 NO 18-003F William Letts	18 05 00	00-300 58-42-305 58-00-305 07-0000 NJ 07-0000 NJ 08-000 Decided Name Mandain Combay Chard Salant (SC)	1 18-00-111 P N2-13-323P HO) CITRANA	60-63-628 18-06-708 18-06-709 18-06-709 NJ 51-0660 NJ 56-065P NJ 18-032P NJ 31-062P UMMB NJ Materials NJ Na Aures 3 (Windows Cen'lles Aures 2)	69 13 728 18 60 707 NJ 30 6587 NJ 30 6075 NJ 33 6007 may Ewand Wishey Nick LLC Social Cillinson
**************************************	-095.20 -285.40 -385.70 - -507.50 -285.59 -245.60	66.00 - 198.90 - 195.40 195.20 195.20 -	-825.52 -027.00 -999.72 -985.00 -40 -825.52 -138.36 -667.00 -288.07 -67	100 -480.77 -100.00 -480.00 -307.00 -2 137 -780.07 -300.75 -480.00 -396.00 -9	8.47 -554.00 0.10 -123.79	428.72 -256.50 -715.07 -827.80	-395.07 -222.98 -395.00 -223.90 -233.76 -396.00	-127.75 -07.76 -131.30 -071.90	41.10 -201.18	-271.23 -000.76 -022.22 -030.03 -1 -201.67 -023.75 -028.80 -041.25 -1	271.28 -622.80 290.22 -668.96	-0110 -0860 -0530 -7850 -0128 -0860 -0741 -7850	-935.35 -987.56	-17.00 -107.00 -1 -17.00 -107.00 -1	981.00 -02.00 -088.10 981.00 -097.00 -071.00	-118.30 -107.00	-301.30 486.82 485.79 485.80 -327.80 781.88 485.45 480.22	-000.00 -000.00 -012.00 -000.70 -007.00 -030.00 -000.00
4/16/2000 17:00 12/11/2000 18:00 4/16/2000 18:00														2.0 2.0 2.0				
12/10_0000 18/00 4/4/0000 18/00 12/10_0000 18/00 12/10_0000 18/00														-0.00 -0.00 -0.00	275.00			
V/K/2001 17:00 V/K/2005 17:00 24(1/2006 20:00 24(1/2006 20:00														-3.50 -3.50 -3.50 -3.50				
	-11740 -187.50 -385.40 -17140					-365.50								-8.0				
4 KY 2001 25 050 1/ 1/ 2001 050 1 - 986 58	-287.30 -877.60	8.0				-21450								20				
41/11/2000 000 -EED NE 1/1/2000 000 -EED NE 1/1/2000 000 -EED NE 1/1/2000 000 -EED NE		-66.50				-385.50 -275.80								-	ME SO ST NO			
8/X0/2008 0.00	-10140 -10140	-000				-3030								-16.00	-28.32			
6/80/2009 27:00 7/1/2009 02:00 7/1/2009 12:00	-967.40 -368.50	47740				-202.30			47.0	-27.33					274.20			
1/1/3000 13000	-325.30 -365.30 -365.00 -376.80	-91.6			8.50 B.47	-285.50 -285.60		10.8 -07.0 10.17 -07.5	-01.67						92.40 IFE 10			
7/4/20000000 7/1/20000000 7/1/20000000 1/1/20000000 1/1/20000000000	-322 -342	16.00												-810	N. W			
VV9010000 -48.70 VV90111000 -48.70	-155.00 -179.30 -402.30 -365.70	46.5			R 100	-385.45 -132.40		-19742 -48386 -19811 -48738	41.92	-271.08				-	901.30 613.40			
#/1/981086	499.50	**************************************			9.94	-12180		-18.11	-103.00	-295.38					G1.0			
6/1/3031 13:00 3035(2011 17:00 11/1/2011 0:00 11/1/2011 0:00	-385.00 -365.00 -385.00 -365.00	40.0			95.45	-128.00		-222.00 -444.40	- 202 98						03.40			
12/15/0011 1889 1/1/1981 0890 1/1/1981 1280	-86.50 -86.50			-	110	-107.00		-101.17 -017.51	48.00					-68.50 -68.50	201.10			
(VISCRITE 27-00) 1/1/2013 0-00 1/1/2013 13-00 2016/0023 13-00	-375.60 -365.60	-99.63		-	8.14	-802.80	-86.07	-101.66 -201.61	42.38	-25.00	290.22				81.90			
1/1/16/04/3 (488 1/1/16/14/14/14/14/14/14/14/14/14/14/14/14/14/	-389.40 -338.70	-002		-	2.56		-201.08 -318.67	4883 4813	48.81	-20.22					403.10			
V/2001000 -96131 V/20011200 V/20011200	-587.50 -385.80 -438.30 -385.80	61.5 90.6 61.5 90.5			-05.00		-503.65 -258.08	-1117	47.0	29.2					41.00			
VII/20111900	-536.30 -388.80 -388.00 -388.60	-022 -0627 -027 -027 -027 -02.6			-074.60		-201.03 -223.03	-55E-96 -66E-G	-91.01	-91.91					60.40	_		
11/1/2011 12:00 11/1/2014 18:00	-385.00 -365.40 -375.60 -365.50		$++\mp$		473.40		-25.88 -222.88	-138.99					$+ \exists$		685.30			
\(\frac{1}{2}\)\(\frac{1}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}\)\(\frac{1}\)\(\frac{1}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}\)\(\frac{1}\)\(1	-375.60 -366.50	-65A 32 -66A 82			11.79 -484.90 -677.40	432.00 -322.00	-01.9	-1812							538.30			
V-ray ATM 17-00 V-V-2004 0-00 V-V-2004 12-00 V-V-2004 12-00 V-V-2004 0-00	-105.30 -171.40 -171.50 -171.50	-212 -1035			100	-885.00 -880.00	-89.33	-1000 -2739	407	250			$+ \Box$		80.30			
711/7831 1700 11/7851 000 11/7851 000 11/7851 1200	-411.00 -171.10	-01.01 -01.01		-	487 -477.33	453.50 -335.50	-06.02 -226.95	-333.06 -468.63	-200.00	-277.33					25.00			
		78.00 -03.30 -94.40				452.58 -343.50		-8825 -80.10	-900.46					-93.80			-DLE	
12/31/2014 18/09 1/1/3905 0300 -986-30 -985-30 -308-30 1/1/3905 13/00 1/1/3905 13/00	-38.40 -39.40 -4	55.20 -420.83 -430.70	49.8		-186.10	448.91 -127.90	-00.10 -201.00	-100.00 -400.00	-500.00	-200.00				-0.00	20.00	-827.50	-117.00	
\(\frac{1}{2}\) \(\frac{1}\) \(\frac{1}{2}\) \(\frac{1}2\) \(\frac{1}2\) \(\frac{1}\) \(\frac{1}2\) \(\frac{1}	-175.00 -175.20 -4	3.18 3.18 3.18	-0.00		7.96 -485.80	48233 -12230		-601.67 -601.92	47.68	-273.48				-91.20 -93.20 -4	G7.60 -E8.90		-mx	
4 (1700 1000 - 484 30 - 488 50 - 484 50 - 488 50	-175.50 -175.50 -1	75.60 -07.23 -92.23			H-31 -476.70	-361.60 -662.11	-45.49 -221.81	-461.07 -465.93	96.36					-93.00	80.10 -85.72		-06.20	
V/A/2011 1.00 11/2/2011 2.00 11/24/2011 7.00 11/24/2011 7.00			43.00			-885.50				-27.20								
11/15/000151 00 -887.80 -127.50 12/17/2015 00 00 11/17/2016 00 00	-177,50 -175,60 -4	83.80 -074.80 -174.81		-	-19100	40333	-201.00 -231.00 -201.00 -234.00	-60.40	40.00					-0.00	88.10 -82.10	-923.90	-8120	
1/1/3788 13:00 1/1/3788 18:00 1/1/3788 030 -863.30 -128.80	-1000 -1440 -1	17.30 -47.33 -483.39			7.85 -607.40	433.33								-25.00 -55.00 -1	G1.60 -E3.10		-88.20	
VW/22317.00 VW/272317.00 VW/272317.00 VW/272317.00	-386.76 -386.50 -4	10 ED -451 40 -555 40		-	9.20 -198.10	-324.00 -429.44	-20.55 -20.65	-41.6	8.6	-275.00 -275.33				-20.00	G2.17 -E0.E0		-20.20	
V, V, 2006 13-00 X, Villy 20-0 3-00 X, Villy 20-0 2-00 -006-00	-372.35 -4	55.30			N 45 -562.00	4288 -000	-00.00	40.0	47.02	-29.38	-0100			-0.00	010 -010		-818	
4 (45) 2734 3 2 0 0 1 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2	-38.50	-EA ES -937 33			7.50		-89.12 -227.89	-06.0	48.87	-29.52								
20%/2023 12 00 2078/018 2 00 2072/018 8 00				-	8.40	48431	-404.0° -754.71		40.34	-277.53		-26.00						
11/1/2018 12:00 11/18/0018 10:0 11/18/0018 10:0																		
11/31/000 19/00 13/1/23000						-121.00						-265.00						
129/201000					3.10 3.11	-19150	-22.56 -22.58		41.31			-98.00		-2.0				
120/2019 2 0 0 1 1279/2019 2 0 0 1 1279/2019 2 0 0 1 1279/2019 2 0 0 1 1279/2019 2 0 0 1 1279/2019 2 0 0 1 1279/2019 2 0 0 1 1279/2019 2 0 0 1 1279/2019 2 0 0 1 1279/2019 2 0 0 1 1279/2019 2 0 0 1 1279/2019 2 0 0 1 1279/2019 2 0 0 1 1279/2019 2 0 0 1 1279/2019 2 0 0 1 1279/2019 2 0 0 1 1279/2019 2 0 0 1 1279/2019 2 0 0 1 1279/2019 2 0 0 1 1279/2019 2 0 0 0 1 1279/2019 2 0 0 0 1 1279/2019 2 0 0 0 1 1279/2019 2 0 0 0 1 1279/2019 2 0 0 0 1 1279/2019 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	-36.80 -373.30	W. S.	43.5	-	-08.20	48140	-828.96 -227.96	-005.46	41.31	377.60		-NA 50		-0.0	-63.E		65.5	
Chicago Chic	30 00 00 00 00 00 00 00 00 00 00 00 00 0	N 410	-68.00		-196.30 -196.30	483.00 -128.20	-225.90 -227.90 -226.90 -227.60	-655.88 -655.88	41.31	-97.6					-53.0		0.0	
100 pt 10	-96.60 -96.60 -972.00	1			-855.30 -855.30	483.60 -136.30 -136.30 -136.30	-202.50 -222.50 -203.50 -222.50 -203.50 -222.50	-655.88 -655.88	41.31	-97.6				-0.0	(27.33 178.20 E.)		W. 1	
CAN AND AND AND AND AND AND AND AND AND A	796.20 -175.70 -4		-0.00		-855.30 -855.30	451.60 - 124.20 - 124	-00.00 -02.00 -0	-005.46	41.31	-97.6				-0.0			10.5	
			0.00		-855.30 -855.30	451.60 - 124.20 - 124	-00.00 -02.00 -0	-664.60 -664.60 -664.60 -664.60 -664.60 -664.60 -664.60 -664.60	41.34 42.51 42.51 43.56 44.58	77 TA				-0.20	10.20 10.20			
Company Comp	-38.50				28.42	40.50 40.51 40.50 40.51 40.50 40.51 40.50		00.8 00.8 00.8 00.8 00.8 00.8 00.8 00.8	41.32 42.33 42.33 41.88 41.88	25 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2				40.00	GS 40 -545 50			
The state of the			300		28.42	45100 45100	415	100.00 10	41.34 42.51 42.51 41.00 40.53 40.53	03 03 03 03 03 03 03 03 03 03 03 03 03 0	402.8			08	01.00 THE STATE ST	- 1008.30		
The state of the	38.0				2.00 (40.	40.00 (0.00)	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	40.8 40.8 40.8 40.8 40.8 40.8 40.8 40.8	41.34 42.51 43.54 41.66 40.05	602 602 603 603 603 603	453.20	418 418 418		0.00	0.0			
The state of the					\$2.00 (40.20)	40.00	40.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0	10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5	41.8 41.8 41.8 41.8 41.8 41.8 41.8 41.8	02 02 02 02 02 02 02 02 02 02 02 02 02 0		102		0.00	01.00 THE STATE ST	- 1008.30		
The state of the					5.0 (40.0) (40.0	40.00	40.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0	10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5	41.8 41.8 41.8 41.8 41.8 41.8 41.8 41.8	02 02 02 02 02 02 02 02 02 02 02 02 02 0		418 418 418		0.00	0.0	- 1008.30		
The state of the					\$2.00 (40.20)	200 200 200 200 200 200 200 200 200 200	45.5 10	10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5	41.8 41.8 41.8 41.8 41.8 41.8 41.8 41.8	02 02 02 02 02 02 02 02 02 02 02 02 02 0		418 418 418		100 TO	0.0	- 1008.30		
The state of the					5.0 (40.0) (40.0	200 200 200 200 200 200 200 200 200 200	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5	41.8 41.8 41.8 41.8 41.8 41.8 41.8 41.8	02 02 02 02 02 02 02 02 02 02 02 02 02 0				25	20 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	-01.0		
The state of the					20 000 000 000 000 000 000 000 000 000	100 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	201 201 201 201 201 201 201 201 201 201		61.8 61.8 61.8 61.9 61.9 61.9 61.9 61.9	202				25 25 25 25 25 25 25 25 25 25 25 25 25 2	22 22 22 24 24 24 24 24 24 24 24 24 24 2	-01.0		
The state of the					10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	100 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	### 1975 1975	101 011 011 011 011 011 011 011 011 011	61.8 61.8 61.8 61.9 61.9 61.9 61.9 61.9	202	-42550			25 25 25 25 25 25 25 25 25 25 25 25 25 2	20 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	-01.0		
The state of the			-45.33			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	### 1	101	10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0	202	-42550			25 25 25 25 25 25 25 25 25 25 25 25 25 2	22 22 22 24 24 24 24 24 24 24 24 24 24 2	-01.0		
	20 20 20 20 20 20 20 20 20 20 20 20 20 2		-45.33			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	### 1	101 - 101 -	10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0	202	-42550			25 25 25 25 25 25 25 25 25 25 25 25 25 2	22 22 22 24 24 24 24 24 24 24 24 24 24 2	-01.0		
	20 20 20 20 20 20 20 20 20 20 20 20 20 2		-45.33				### 1995 1995		11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5	25	-42550			25 25 25 25 25 25 25 25 25 25 25 25 25 2	22 22 22 24 24 24 24 24 24 24 24 24 24 2	-01.0		
	20 20 20 20 20 20 20 20 20 20 20 20 20 2		-45.33		100 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		### 1995 1995		11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5	25	-42550			200 100 100 100 100 100 100 100 100 100		-01.0		
	100 100 100 100 100 100 100 100 100 100		-45.33		100 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		### 1995 1995		11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5	25	-42550			25 25 25 25 25 25 25 25 25 25 25 25 25 2		20.0		
	100 100 100 100 100 100 100 100 100 100		-45.33				### 1995 1995		11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5	25				200 100 100 100 100 100 100 100 100 100		20.0		
	100 100 100 100 100 100 100 100 100 100		-45.33		100 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	### 1992 1992		11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5	25				200 100 100 100 100 100 100 100 100 100		20.0		
	100 100 100 100 100 100 100 100 100 100		-45.33		12.1 12.2 12	1 1 1 1 1 1 1 1 1 1	### 1992 1992		11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5	25				200 100 100 100 100 100 100 100 100 100		20.0		
	100 100 100 100 100 100 100 100 100 100		-45.33		12.1 12.2 12	1 1 1 1 1 1 1 1 1 1	### 1995 1995		11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5	25				200 100 100 100 100 100 100 100 100 100		20.0		
	100 100 100 100 100 100 100 100 100 100		-45.33		12.1 12.2 12	1 1 1 1 1 1 1 1 1 1	### 1995 1995		11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5	25				200 100 100 100 100 100 100 100 100 100		20.0		
			-45.33			1 1 1 1 1 1 1 1 1 1	### 1995 1995		11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5	25						20.0		
1			-45.33			1 1 1 1 1 1 1 1 1 1	### 1995 1995		11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5	25						20.0		
	30 30 30 30 30 30 30 30 30 30 30 30 30 3		-45.33			1	### 1995 1995		11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5	25						27		
	30 30 30 30 30 30 30 30 30 30 30 30 30 3		-45.33			1 1 1 1 1 1 1 1 1 1	### 1995 1995		11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5	25						200		
	30 30 30 30 30 30 30 30 30 30 30 30 30 3		-45.33			1	### 1995 1995		11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5	25						200		
The column The	30 30 30 30 30 30 30 30 30 30 30 30 30 3					March Marc	## 1915 1915		11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5	25								

	20 1941 1952 1941 1957 1958 1958 1958 1958 1958 1958 1958 1958	# 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		### ### #### #########################	# 10 M	1810
		45			754	100 100 100 100 100 100 100 100 100 100
		460 M	3.6 46 46			
		100.00	AN 400 400 400 400 400 400 400 400 400 40	400	20 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	- 0.2
		759 450 750 750 750 750 750 750 750 750 750 7	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	48.77	10 M T T T T T T T T T T T T T T T T T T	10.0
		100 M			40	33
				400	24	
		-TREF 475.5 -365.51 -453.00	0.7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	2.5. 2.5. 2.5. 2.5. 2.5. 2.5. 2.5. 2.5.	101 101 101 101 101 101 101 101 101 101	
		10 T	WI XX			2.5
	40.0	-ER-08 468.EZ -155.E1 -02.00	110 110 110 110 110 110 110 110 110 110		20 20 20 20 20 20 20 20 20 20 20 20 20 2	
		100 M	300 00 00 00 00 00 00 00 00 00 00 00 00	A2		
		10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0	215 215 215 215 215 215 215 215 215 215	25		
Company Comp		100 100 100 100 100 100 100 100 100 100		200	46 E	
March Marc		407	10 10 10 10 10 10 10 10 10 10 10 10 10 1		- 10	
		100 M	407.0		NA 200 000 000 000 000 000 000 000 000 00	
		557 653 653	25 25 25 55 55 55 55 55 55 55 55 55 55 5	92 93 93 93 93 93 93 93 93 93 93 93 93 93		

		*** **********************************	
200 C		20	
2000 100	22 23 24 25 25 26 26 26 26 26 26 26 26 26 26 26 26 26		34
			35 32 32 32 32 32 32 32 32 32 32 32 32 32
100 100 100 100 100 100 100 100 100 100		22 C3 M2 S2	
100 10 10 10 10 10 10 10 10 10 10 10 10			
2000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			37
100 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			
Control Cont			
100 100 100 100 100 100 100 100 100 100	1	25 54 25	30
200			
100 100 100 100 100 100 100 100 100 100	53 53		
Column			
Care	35. 35. 35. 35. 35. 35. 35. 35. 35. 35.	55 35 35 37 37 37 37 37 37 37 37 37 37 37 37 37	
	00 00 00 00 00 00 00 00 00 00 00 00 00		
10000			
			33
100 100 100 100 100 100 100 100 100 100			
(2023) 100 (2023) 100 (2023) 100 (2023) 100			
100 00 00 00 00 00 00 00 00 00 00 00 00	35 37 31 31	## 1	
		- 55	100 100 100 100 100 100 100 100 100 100
TOTAL TOTA			1
	1		

	Cont. Market Mar	15 15 15 15 15 15 15 15	SERIE MODELL MODELL 1999-201 1994-201 1	MAIS	4-946 4-949
	(APP 201 10 10 10 10 10 10 10 10 10 10 10 10 1	90.0 90.0 90.0 90.0 90.0 90.0 90.0 90.0	100 100 100 100 100 100 100 100 100 100	**************************************	90 90 90 90 90 90 90 90 90 90 90 90 90 9
	(47/2013 M M) 45-88 (17/2013 M M) 14-88 (17/2013 M M M M M M M M M M M M M M M M M M M				100 March 100 Ma
	5(min) 1-30 5(min) 1-30 5(min				412 418 418 418 418 418 418 418 418 418 418
	(47.201.02) (47.201.03) (47.201.03) (47.201.03) (47.201.03) (47.201.03) (47.201.03) (47.201.03)	45.0			
	140,001 8.07 170,001 8.07 140,001 8.07 14	-20.75			353
	14 (A)		10.79	1427.6	200
	1 (1) (1) (1) (1) (1) (1) (1) (1) (1) (1	465.5	499.27	400.00	
	Virginia (All)	1935			328
	Name 25 at 10 bit 10 bi				1230 U230 U230 U230 U230 U230 U230 U230 U
	Value 1				55 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5
	1 (1) (2) (2) (3) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4	-92.75		465.0	
	V 707.1.55	40.00			4.5
	UCVANI USB	-102.25	487.95	-35.50 -25.50	348
	1.00 (A)				466
	1200,000 5 40 (1	10.5			360
	Telephone Tele		95.0	10.9	703
	TEMPORES OF THE TEMPORES OF T	-518		-613	30.5
	Standards Mark				444.0
	CONTROL OF CONTROL O			4888	
	Standards and	43.07 43.01 43.01			411
	100/00014 0 00000 0 00000 0 00000 0 00000 0 00000	18.61		315	
	1.0 (1922) 1-13 (1	23.85			446
	(4/2023 14) (4/2023 14) (4/2023 14) (4/2023 14) (4/2023 14)	(50.5)		278 493	
	C (1990 1.514) (1990 1.514) (1990 1.514) (1990 1.515) (1990 1.515)				
	(4/2003 1437 (4/2003 1437 (4/2003 1437 (4/2003 1437 (4/2003 1438				93.5 38.7 48.5
	40/200 Mail (1972)			101.07	
	\$\times VEX.00 LOST \\ \text{VEX.00 LOST \\ \				46.6
	40/2021 Mail 40/20				
	4 (1992) 143 (1992) 14	4253			
	(4/2023 288) (4/2023 288) (4/2023 288) (4/2023 288)	- 46.57		445.85	-0.8
	V-2700-1-70 V-2700-1-70 V-2700-1-100 V-2700-1-100	45.00 4 40.00	465.17	25.8 -25.2	
	1,000 11.5 1.0 1				
	\$\frac{1}{2}\text{2021.14}\$ \$\frac{1}{2}\text{2021.15}\$ \$\frac{1}{2}\text{2021.15}\$ \$\frac{1}{2}\text{2021.15}\$ \$\frac{1}{2}\text{2021.15}\$ \$\frac{1}{2}\text{2021.15}\$ \$\frac{1}{2}\text{2021.15}\$ \$\frac{1}{2}\text{2021.15}\$	1997			
	4(4) (2023 155)			-00.00	6.7
	UN (MASS 45)				- 36.0
	(4) (2) (2) (2) (3) (4) (4) (5) (5) (6) (6) (6) (6) (6) (6) (6) (6) (6) (6	163		28.8 28.6 28.7 28.1 28.1 28.1 28.1 28.1 28.1 28.1 28.1	
	44/(2023 2.0) 44				(6)
	44(2)(2023 40 M) 44(2)(2023 40 M) 44(2)(2023 40 M) 44(2)(2023 40 M)	49.7)			120 CERT CERT CERT CERT CERT CERT CERT CERT
	\$\times_{\text{(\$\pi_{\text{(}\pi_{\text{(}\pni_{\pi_{\text{(}\pi_{\text{(}\pi_{\pi_{\text{(}\pi_{\pi_{\text{(}\pi_{\pi_{\text{(}\pi_{\pi_{\text{(}\pi_{\pi_{\text{(}\pi_{\pi_{\text{(}\pi_{\pi_{\pi_{\pi_{\text{(}\pi_{\pi_{\pi_{\pi_{\pi_{\etiti}\pi_{\pi_{\pi_{\pi_{\pi_{\pi_{\pi_{\pi_{				415 405 405 4017 408 405 405 405 405 405 405 405 405 405 405
	### (### 2022 24 54 54 54 54 54 54 54 54 54 54 54 54 54	9533		463.97	
	(4) (2023 24 M) (4) (2) (2) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4	00.00			
		755.52 444.88 445.77 444.88 444.88 444.88 44	-73.65	-20.5 35 -20.5 80 -20.5 81	
	V-1000 534 (100 534 534 534 534 534 534 534 534 534 534		77241		
	1477/2013 253 (477/2013 253 (477/2013 253 (477/2013 253 (477/2013 253	40.0	41.8 4	-35.5 -35.5 -35.7	
Strict Color Str	14 (200 to 30 to 3	413.873.67 73.67			
No. CVCCCC 1430 CVCCCC 1430 CVCCCC 1430 CVCCCC 1430 CVCCCC 1430 CVCCCC 1430 CVCCCC 1430 CVCCCC 1430 CVCCCC 1430 CVCCC 1430 CVCC 1430 CVCC 1430 CVCCC 1430 CVCCC 1430 CVCCC 1430 CVCCC 1430 CVCCC 1430	565.8° 56	45.8	-95.6 -95.2 -95.2		
Secondary Control of the control o	14/2002 24 07	- 755 M		90.3	
	100/0024 AD 100/00			35.5	NO.65
	100/2013 507 100/2013 507 100/2013 507 100/2013 507 100/2013 508		123.00		
	Telephone				(4) (4) (4) (4) (4) (4) (4) (4) (4) (4)
	100 (2013 101 101 101 101 101 101 101 101 101	365			960
	100/(MIS 1400) (100/(MIS 1400)				40.8
	100/2021 36 45 200/2021 55 55 200/2021 26 27				and the state of t

Clearwater UWCD - Middle Trinity Ma

Fig.	all manuals, satis quarterly in order to cloudy me	makination of separate section and a part of the contraction of the section of th	measurements, white TaDOT settly and an addition	tional well in Salado, shown in red.	me taken by the Clearwater visit. The Team Water Development Board provide	continuent or sugn																				
**************************************	F 100 400	\$8.00 GET \$8.00 EEK 60 60 GEZ \$8.00 GEZ \$8.00 GEZ 60 50 GEZ 60 EEK	18 60 704 18 00 104	18 00 104 184	00 E3 38 00 E3 38 00 E33	W-0 131 M-02-3	202 38 00 618 38 62 802 38	8 00 617 18 00 728 18 1	CD-306	100 PM PM 100 PM	12 17-30-200	17 20 321 18 00 301	18-01-302	60-69-651	18 CO 204 18 CO 405	10 17-104	60 13 707 16 03 101 40 19 801 40 19 802	0.010	18-00-108	11 G 40	18:00 E4	18:00:121	60-63-608 18-00-708 18-00-708	18 04 706	40-10-708	18 66 307
**************************************	D# E-02-34040	FORMULE FORMULE FORMULE FORMULE FORMULE	1-07-0337 1-08-0037	132 COUP 13	10 CMP 1 20 CMP 1 41 CMP	130 CUP 130 C	10F 1-20-000F 1-27-000F 1-	27-COUP 1-28-000P 1-2	10 30W 1-30 130F	P.D. GELF MONOUP M. 13 COLD M. 14 COLD M. 15 COLD	N M-17 C79CD Flisher M:	COSCO Kereni W-17-CTGCD Martine - M-17-7WDEB	tions 10-12 DWGB Seman	er M-18-TWDB-Close	M-19-002P M-00-002P M-9833302	M-9837506	NO 00 0037 NO 30 0037 NO 30 0037 NO 30 0037	N3-29-000F	NO 18 9037	NO 60 6000 NO 60 6007 NO 67 6000 NO 67 6000	N2 OR COSP	NO 10-908F	NO 12 0000 NO 10 000P NO 19 002P	N2-19-002F	NO 19-000F	N2-30-0070 N2-32-0
	Name N. Sarines	Finch K. Sarine Par Millemore Buildoox exter Musch even Marchard	Brooks Ersberger	Christian S	Slean Edutrom Lee	Pedas Post	te Goodell Sevi I	British Miles Go	rocce In Come W.	White Course Core - Middle - Elevativities Mantas W. Gard - Middle Trinte - yes Ridge Montas W Alle		Konessi Mellindy			EXTREME! Hors Montor Well Boses	SeeSech	Laude Dehring Richard Ross Michael Mastes David Cale	Renald Hers	William Late	City of Holland BellTec Killery Dyched Mane Mandale Cowbox Chart	of Salada (SD()-00)	Citivans	UNDER RE-Maderials index forms 2 (Windows	Centry Aires 2 (Penney		ID DOOR DAY AND VALE
Fig.	G -071.00	-\$70.40 -\$18.00 -\$98.38 -\$88.20 -\$95.40 -\$18.30	-566.00 -506.90	-100.40 -0	GS.20 -902.29 -976.00	-030.00 -287.0	00 -999.72 -990.00 -	-801.01 -683.77 -3	15.02 -150.02	937.90 -296.67 -566.00 423.72 -264.90 -996.	-212.88	- 196.80 - 187.27 - G77.76	-91.30	-273.23	100.76 102.22 108.08	-273.23	-622.80 -621.80 -389.63 -380.20	-218.00	-305.22	-27.20 -ED.30 -MILEO -62.00	-268.33	-318.20	-803.00 4093.00 480.79	-610.00	-660.99	-302.00 -612
Fig.	0 -0.7.00	-800.80 -910.60 -512.20 -507.60 -699.59 -682.60	-717.79 -BIX 12	401.50 -0	69C NO -562 NO -566.22	-010.33 -336.3	36 -667.00 -686.07 -	-EF7.17 -718.67 -8	150.75 -580.62	-994.00 -964.08 -529.79 -725.07 -927.00 -628.	-265.76	-996.00 -560.50 -671.90	-309.58	-201.07	-803.75 -528.88 -633.35	-290.22	-668.96 -092.28 -688.62 -687.81	-296.50	-387.56	-67.10 -95.20 -983.20 -287.40	-871.33	-107.00	-127.30 -791.39 -062.65	-010.22	-056.79	-067.08 -036.
														_							_					
	W17.438	-49.90																796.67			_				_	_
Fig.	WIT 641		.797.98																							
	W113.00																									
Strict S	WITEET				WI II																					
	802 725							-79.16																		
	202 24 No																									
	2022 SR 59					-911.7	20																			
	2022 29.88							- 1	150.08																	
Fig.	2022 20:47						-00.87																			
Fig.	2022 22:67							-070.39					_													
Fig.	2022 2-27							-03.67					_													
Fig.	033 SCF					-309.3	XX																			
	2022-6-05																									
Fig.	2022 7-66		-796.76																							
	032 33 36																									
	032 15:00				1 1					-100.25 -716.66		-271.90	-308.18	-203.47	-90.0											
Strict S	332 18 66				1 1						1			1			1 1 T	1			1	1 -				
Fig.	132 56 19				-10.34																					
	033 SE 57						-86.16																			
	032 22:57	-465.08																								
	022 36 36																			-98.10						
	832 256				61.9																					
Fig.	032 8.88				1 1		_	-503.37																		
Fig.	222 6 27					-908.2	36																			
Fig.	02 7.81						-016.60																			
	22 15 14		-78.48																							
	32 12 00									-536.65		-01.01	-307.68	-281.99	-911.95											
	17 17.88							-3	10.47																	
	332 36 09				-828.99																					
	0373034	-0.11																								
	2032 24 30																									
	(0022 8.00																									
	(2022 13:40																									
R	2022 14 28	-096.70																								
	2022 14 92																-61.03									
R	2012 15:05																-03446									
	2022 15:08																									-629
	2022 15-20												_									-303.66				
	3022 15-27																									
	2022 15 56										+			+		+		-289.83			-					
S	CONTRACT CON												_	-		+	+ + + + + + + + + + + + + + + + + + + +			-28.90	-				_	
S	CONTRACTOR I									18.00																
	Charles A.C. and	400.00																								
	New at the			_							+			+	-128.88	+					-					
Strate S	02217-08			_							+					+				4.0	-					
S	and other states								_	- MARIE - 1708.28			-207.52	-31.0	-ma	+	+ + + + + + + + + + + + + + + + + + + +				-		H		_	
	V 1818								_				_	-		+					-		-978		_	
String S	110.00				_			-	-					+		+	1999.61	+	-000 99		+					-
	719.79							-	_				_	_	· · · · · · · · · · · · · · · · · · ·	+			-04.88		_				_	_
	718.17		-8191					-	_		-		_	_	· · · · · · · · · · · · · · · · · · ·	+			_		_				_	_
	1110.01							-	_		-		_	_	· · · · · · · · · · · · · · · · · · ·	+			_		- 20.0 60				_	_
	1110.00							-	_	-796	-		_	_	· · · · · · · · · · · · · · · · · · ·	+			_		J11.80				_	_
	- FE SE - FE SE FE							-	_		-		_	_	· · · · · · · · · · · · · · · · · · ·	+			_		_				_	_
	220.00				_			-	-		+ +			+		+		+			+		466			
	220.0							-	_		-		_	_	· · · · · · · · · · · · · · · · · · ·	+			_		_			46529	_	_
	22030							-85.00	_		-		_	_	· · · · · · · · · · · · · · · · · · ·	+			_		_				_	-841.60
	11111111										-		_	_	· · · · · · · · · · · · · · · · · · ·	+			_		_		-me		_	
	21 TO 100										-		_	_	· · · · · · · · · · · · · · · · · · ·	+			_		_				_	
	91110							-	_				_	_	· · · · · · · · · · · · · · · · · · ·	+			_		_				-03740	_
	1777.56							-	_		-		_	_	· · · · · · · · · · · · · · · · · · ·	+			_		_					
								-	_		-		_	_	· · · · · · · · · · · · · · · · · · ·	+	-49.0		_		_				_	_
	11101							-	_		-	-00.11	_	_	· · · · · · · · · · · · · · · · · · ·	+	****		_		_				_	_
	22 5 65							-732.98																		
	224.18																	_								
	223.18				CAM CAM						1							_								
	4															_		_			_					
Managed Managed 1	_																									
					Marinos Norther of Marino	- annual a																				

5-line Measurement Sonic Measurement TWSS Measurement Air line Measurement

The desired future conditions established by Cinemater Underground Water Conservation District for the Trivity is no more than 200 feet of dissultance of the 200 feet. The corners of the wides in a cinemater of the corners of the

Average Drawdown -6,37 ft/yr rawdown of 100ter Level



Staff measures w	ells quarterly in order to closel	ly monitor the aquifer levels as part of our statuatory responsibility.	. The Texas Water Deve	elopment Board conducted son	me of the measurements,	ts, shown in red. The measurements in blue we	e taken by the Clearwat	ter staff. The Texas Water Developmen	t Board provides information through publication	n of continuous monitoring data on the												
State #		58-03-410 58-03-411 E-22-400P E-22-407P	40-57-602	40-62-501	ts of the TsDOT wells and 40-54-701	nd an additional well in Salado, shown in red. 40-61-509 40-53-405		40-35-404 58-02-3	8 58-10-303	58-17-902	58-29-603 58-03-404 58- M-5829603 N1-18-004P N1-	-02-505 19-003P	58-06-102 40-53-406 NZ-02-001G NZ-02-022G	58-05-202 40-63-501	40-62-401 N2-03-001G	58-06-901	58-05-502 40-53-507 N2-10-001P N2-13-001P	58-06-201 58-04-203 N2-13-002P N2-14-004P	58-06-202 40-54-201 5 N2-14-005P N2-15-002P N	58-03-406 58-03-407 2-20-002P N2-20-003P	58-03-408 58-0	03-409 58-02-601 21-004P N2-21-005P
State # CUWCD # Well Name Highest	E-20-120P Eh -580.40	lman Valley Ranchettes Well tillman Valley Ranchettes Well till till till till tillman Valley Ranchettes Well till till till till till till till t	M-09-00ZP Copperas Cove - Lowe	M-13-005G er Acres-City of Temple #1	M-13-006G Larley-City of Temple L	40-61-509 40-53-405 M-13-0070 M-13-0390 W I Ridge-City of Temph - Tanglewood Mori -31.00 -268.60 -294.40 -492.06	Carlie	18-TWD8-Gatesville M-19-00 RRR Hoss	on City of Florence	58-17-902 M-5817902 Westwood Boys Ranch -220.40	City of Taylor #3 Justin Scott Gar	y Kelley Br	ell Co. WCID #2 Moffat WSC #1	NZ-02-024G NZ-02-034G Armstrong WSC #1 East Bell WSC #:	en. TX Vet. Hospi	NZ-04-010P it East Bell WSC #2	Armstrong WSC #2 Moffat WSC #2	Trinity Oasis LLC (Jack Hilliard Dozer and Materials) CTWSC Doc Curb	CTWSC System Split Well City of Troy #2 Hines	2-20-002P N2-20-003P Texas, LLC #1 Hines Texas, LLC #2	Hines Texas, LLC #3 Hines Tex	nas, LLC #4 Nathan & Danielle McNeal
LOWest	-580.40	-375.38 -378.67	-290.13 -305.95	-130.13 -383.56	-497.02	-31.00 -288.60 -294.40 -492.06	-375.60	-555.22 -328.9	-289.96 -588.72	-220.40 -384.20	-37.90 -353.59 -3 -211.57 -389.39 -4	141.94	-36.00 -329.70 -276.02 -583.70	-245.80 -217.45 -282.10 -307.54	-404.70 -434.20	-268.00 -378.00	-305.80 -355.00 -373.10 -596.70	-173.40 -417.08 -206.88 -485.03	-179.11 -469.05 -225.60 -469.23	-348.35 -389.81 -373.65 -416.05	-391.60 -39	#15.20 #8.27 -427.34
9/30/1955 0:00						-31.00							-50									
12/29/1961 0:00 1/8/1965 12:00 3/21/1966 12:00											-37.9 40.52		-36									
8/30/1966 12:00				.136.13		.134.13			-293.45		-40.57 -47.03											
9/1/1966 0:00 9/28/1966 12:00 11/3/1966 12:00				-136.13		-134.13			-309.05 -292.25													
11/23/1966 12:00									-290.14													
11/23/1966 12:00 3/24/1967 12:00 5/4/1967 12:00									-295.75 -303.46		-42.3											
6/8/1967 12:00 11/9/1967 12:00 12/8/1967 12:00 2/16/1968 12:00									-306.45 -302.15													
2/16/1968 12:00									-302.15 -304.09 -295.29													
3/13/1968 12:00 3/19/1968 12:00 5/7/1968 12:00									-289.96		-45.95											
6/1/1968 0:00					-259.00				-292.36													
6/1/1968 0:00 3/5/1969 12:00 3/18/1969 12:00 9/30/1969 12:00									-293.17		-49.49											
									-310.5 -316.75													
11/25/1969 12:00 12/22/1969 12:00 1/26/1970 12:00									-293.15 -296.49 -305.6													
									-310.21		54.00											
3/20/1970 12:00 4/14/1970 12:00										-220.4	-54.27											
6/5/1970 0:00 7/7/1970 12:00 9/3/1970 12:00									-290.97 -308.59 -308.75													
									-308.73 -298.46 -299.85													
11/3/1970 12:00 12/8/1970 12:00 1/8/1971 12:00									-313.15													
2/5/1971 12:00									-313.65 -312.15		611											
2/5/1971 12:00 3/21/1971 12:00 3/23/1971 12:00 3/25/1971 12:00									-308.39	202.40	-61.1											
4/9/1971 12:00									-314.87	-232.15												
5/11/1971 12:00 6/8/1971 12:00 8/3/1971 12:00									-319.15 -315.3													====
8/3/1971 12:00 10/5/1971 12:00 12/3/1971 12:00 2/8/1972 12:00									-313.85 -308.85 -306.1													
									-309.07													====
3/8/1972 12:00 3/15/1972 12:00 4/7/1972 12:00									-306.73		-75.5											
6/2/1972 12:00									-313.15 -317.9 -318.75													
6/2/1972 12:00 10/3/1972 12:00 12/5/1972 12:00 1/9/1973 12:00									-318.75 -317.5													====
3/13/1973 12:00									-317.2 -319.77		60.04											
3/15/1973 12:00 5/8/1973 12:00									315.5		-68.04											
6/5/1973 12:00 8/6/1973 12:00 11/2/1973 12:00 1/8/1974 12:00									-316.75 -317.1													
1/8/1974 12:00						-268.60			-317.15 -316.98													
1/14/1974 0:00 3/18/1974 12:00 3/19/1974 12:00						-268.50				-223.85	70.00											
											-72.02 -76.93											
3/10/1976 12:00 3/11/1976 12:00 3/29/1976 12:00									-324.05	240.45	-84.3											
3/16/1977 12:00									-329.25	-248.15 -245.72												
3/16/1977 12:00 3/17/1977 12:00 3/1/1978 0:00 4/12/1978 12:00						-94.19				V44	-97.89											
3/23/1979 12:00									-341.41	-256.75	-105.6											
3/29/1979 12:00 3/18/1980 12:00										-250.75 -269.15	444.00											
3/20/1980 12:00 4/3/1981 12:00 5/13/1983 12:00 3/9/1984 12:00										-281.85	-111.82 -110.43											
3/9/1984 12:00 3/13/1984 12:00									-410.2	-298.37												
6/1/1984 12:00 9/10/1984 12:00										-296.57	-168.29 -173.91											
									207 1	-306												
4/29/1986 12:00 5/13/1986 12:00 5/14/1986 12:00										-307.85	-165.88											
4/21/1987 12:00 4/22/1987 12:00 8/19/1988 12:00									-407.89	-307.68	-170.04											
8/19/1988 12:00									-424.06	221.2												
1/18/1989 12:00 2/16/1990 12:00 2/21/1990 12:00 2/25/1991 12:00									-470.26		-203.7											
2/25/1991 12:00 1/30/1992 12:00										.290 55	-199.2											
2/10/1992 12:00									-454.09		-179.65											
1/15/1993 12:00 2/24/1994 12:00										-306 -311.65	-186.25											
1/15/1993 12:00 2/24/1994 12:00 11/9/1994 12:00 11/10/1994 12:00										-315.2	-187.6						<u> </u>					
7/31/1995 12:00				1				-	-472.57	.911.2						+						=
1/21/1996 12:00 1/26/1996 12:00 1/29/1996 12:00									-470.26		-181.7					<u>E</u>						
8/5/1996 12:00 8/7/1996 12:00 11/5/1996 12:00									-521.08	-335.5												
11/5/1996 12:00 11/6/1996 12:00										-324.8	-197.75											
11/6/1996 12:00 1/27/1997 12:00 3/13/1997 12:00 4/16/1997 12:00									-500.29	-307.65 -275.9												
6/18/1997 12:00										-280.16 -266.07												
7/29/1997 12:00 1/8/1998 12:00										-314.11 -317.3												
1/9/1998 12:00 10/10/1998 12:00 1/14/1999 12:00 1/21/1999 12:00											-178.18 -166.36											
1/14/1999 12:00 1/21/1999 12:00									-470.26	-308.25												
2/25/1999 12:00											-162.85 -162.63											
5/5/1999 12:00 6/5/1999 12:00																						
7/5/1999 12:00 8/5/1999 12:00											-163.82 -167.97											
9/5/1999 12:00 10/5/1999 12:00											-164.36 -164.87											
45/7999 1200 55/7999 1200											-18.0 1 -18.1 1 -18.3 21 -19.3 27 -19.4 26 -19.4 27 -19.4 27 -19.5 34 -19.5 34											
12/27/1999 12:00 1/5/2000 12:00									-467.95	-328.1												
2/5/2000 12:00 4/5/2000 12:00											-166.19 -166.5 -166.7											
5/5/2000 12:00 6/5/2000 12:00											3.16.32 3.17.17 3.17.49 3.17.49 3.16.43 3.16.43 3.16.77 3.18.69											
7/5/2000 12:00 8/5/2000 12:00											-167.49 -167.87											
9/5/2000 12:00 10/5/2000 12:00											-166.43 -168.7				<u> </u>	<u> </u>	-					
11/5/2000 12:00 1/8/2001 12:00									_474.88		-168.69											
1/12/2001 12:00 5/5/2001 12:00										-316.75	-169.28				#=	<u> </u>	-					
6/5/2001 12:00 7/5/2001 12:00											-169.28 -169.31 -169.35 -169.28 -169.42											
8/5/2001 12:00 9/5/2001 12:00											-169.28 -169.42					<u> </u>	<u> </u>					
10/5/2001 12:00 11/5/2001 12:00 11/5/2001 12:00 12/5/2001 12:00 1/5/2002 12:00 1/16/2002 12:00 2/5/2002 12:00 3/5/2002 12:00											-170.46 -170.89											
12/5/2001 12:00 1/5/2002 12:00											-170.45 -170.89 -170.81 -170.88					<u>E</u>						
1/16/2002 12:00 2/5/2002 12:00								— T	_	-315.75	-171.21 -171.21	$-\top$		1	+ ==		H T		 		— T	+
3/5/2002 12:00	1			1					1		.171 21			1 - 1	7	1	1 - 1					

Suite Section Sectio	measurements of the TACOT with and as deficiend will in Salada, shown in ed. 40-42-501 40-34-702 40-43-509 40-33-8-50 MI-3-0056 MI-3-005	40-35-404 M-17-CTGCD_Caril M-18-TWDB-Gatesville Carile -370-70 -477-64 -375-50 -555-22	58-02-303 M-19-001P RRR Hosston -203.09	58:10:303 58:17:902 58:28:603 M:58:1003 M:58:1003 M:58:1003 M:58:1003 M:58:1003 M:58:1002 M:58:20:603 M:58:20:60 M:58:20:60 M:58:20:60 M:58:20:60 M:58:20 M:58	58-03-404 N1-18-004P Justin Scott -353.50 -389.80	\$8-01-305 \$8-06-102 N1-19-003P N2-02-001G Gary Kelley Bell Co. WICD #2 -366.61 -36.00 -441.94 -276.02	40-53-406 58-05-202 N2-02-0226 N2-02-0246 Moffet WSC #1 Armstrong WSC #1 -329-70 -245-80 -583-70 -282-10	40-63-501 40-63-401 58-06-301 N2-03-0016 N2-	58-05-502 N2-10-001P Armstrong WSC #, -305-80	40-33-507 S8-06-201 N2-13-001P N2-13-002P Moffet WSC 92 Trinity Ossis LC (Jack Hilliard Dozer and Materials) -356-500 -177-40 -206-88	58-04-203 58-06-202 N2-14-004P N2-14-005P CTWSC Doc Curb CTWSC System Split Well -417-08 -179-11 -485-03 -225-60	40-54-201 58-03-406 N2-15-002P N2-20-002P City of Troy #2 Hines Texas, LLC # -464-05 -348.35 -469.23 -373.65	\$8-01-407	58-03-409 N2-21-004P Hines Texas, LLC #4 -390.19	58-02-601 N2-21-005P 14 Nathan & Darrielle McNeal -415.20
4/5/2002 12:00 5/5/2002 12:00 6/5/2002 12:00				-171.0 -171.0 -171.0											
75/5/2002 12:00 8/6/7/2002 12:00 8/6/7/2002 12:00 10/6/7/2002 12:00 10/6/7/2002 12:00				-171 3 -171.6 -171.7 -172.0											
1893 2002 2 2500 1 321/27/2002 2 2500 1 27/27/2002 2 2500 1 27/27/2002 0 2500 1 27/27/2003 0 300				- 172.6 - 171.1 - 172.6											
1.17(20011010) 1.17(20011010) 1.17(20011010) 1.17(20011010) 1.17(20011100) 1.17(20011100) 1.17(20011100) 1.17(20011100) 1.17(20011100) 1.17(20011100)				-1724			-332.7								=
1/3/2005 12:00 3/5/2005 12:00 4/5/2005 12:00 4/5/2005 12:00				-491.05 -321.15 -172.7											+
19-0-000 1-100 19-0-000 1-100				-77.8 -77.9 -77.7			-415.5								
7757000 1 2 00 88/5/000 1 2 00 99/5/000 1 2 00				172.0 172.2 172.4	2										
100 9 203 1 200 11/19/203 1 200 11/19/203 1 200 11/19/203 1 200 11/19/203 0 200							202								
21/2/2004 12:00 21/2/2004 12:00 21/2/2004 12:00 21/2/2004 12:00				-172.3 -172.2			-333./								
MY/2004 1200 49/2004 1200 59/2004 1200 59/2004 1200 59/2004 1200				-72.00 -177.2 -178.0 -174.4 -175.4											1
69/2004 12:00 7/9/2004 12:00 7/9/2004 12:00 7/9/2004 12:00 8/9/2004 12:00				-175.4 -175.4 -175.8			-413.8								_
8/5/2004 12:00 95/2004 12:00 10/5/2004 12:00				-175.3	5										1
9/5/2004.12:00 1/s/5/20 1/s/				-175.55 -175.5 -175.5 -175.2			3277								+
11/1006 6:00 11/1006 6:00 11/1007 12:00 17/1007 12:00 17/1007 12:00 17/1007 12:00				-491.05 -175.30			-237.7								
7/5/2005 12:00 3/5/2005 12:00 4/5/2005 12:00				.300 .175.4 .175.17 .174.6	2										‡
5/5/2005 12:00 8/5/2005 12:00 17/7/DRS 12:00				-174.8 -174.9 -174.9 -176.4											_
1074/2005 12 00 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1															‡
12/5/205 1:20 12/5/205 1:20 15/5/205 1:20				-176.59 -176.80 -177.00 -177.01											
15/3/2008 12-00				-311.18 -175.6 -175.1											=
BS/2008 1200 4/5/2008 1200 5/5/2008 1200 5/5/2008 1200				-174.82 -176.53 -276.43											
7/S/2006.12-00 8/S/2006.12-00 8/S/2006.12-00 8/S/2006.12-00 10/S/2006.12-00 10/S/2006.12-00				-176.12 -174.1 -274.2											
10/2/2006 12:00 11/2/2006 12:00 12/2/2006 12:00 12/2/2006 12:00 12/2/2006 12:00				-174.1 -173.4 -173.8											
1.17(2001) 0.000 1.000 1.100 1				-172.2i			-330.7								
75/2001 12:00 38/2001 12:00 4/5/2007 12:00				- 173.37 - 172.77 - 171.92	2										
567/2007 12:00 567/2007 12:00 7/1/2007 0:00				-371.8 -171.9 -171.7			-379								
44-(2007 1240 1440 1440 1440 1440 1440 1440 1440				-170.5 -170.2 -160.21	1										
11/5/2007 12:00 12/5/2007 12:00				.168.8 -171.00 -169.											
\$137,2008 0.00 177,2008 0.00 177,2008 0.20 177,2008 1.20				-325.19 -168.7.			-329.7								
2/5/2008 12:00 3/5/2008 12:00 3/1/2008 12:00 3/1/2008 12:00 4/5/2008 12:00				-167.8 -166. -470.26											
42(2)(2001-12)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2				166.5 -171.6 -173.6											
76/x/0081200 8/x/0081200 8/x/0081200 9/x/0081200 10/x/0081200				-170.8 -170.7			-333.9								
10/5/2008 32:00 11/5/2008 32:00 11/5/2008 32:00				-170.26 -170.2 -160.0 -161.148.9											
12/3/2008 12:00 11/1/2009 0:00 13/5/2009 12:00				-100.00 -168.8			-434.4								
100/1/2013 12:00 100/1/2013 12:00 11.10/1/2013 12:00				-169 34 -168 44 -167 39 -167 38											‡
6/5/2009 12:00 77/2009 0:30 7/7/2009 12:00		-480.05		-167 £			-355.9								
7/5/2009 12:00 8/5/2009 12:00 9/5/2009 12:00		790.00		-167.2 -167.1											
10/1/2001140 11/1/2001001140 11/1/2001001120 11/1/20010100 11/1/200101100				-167.1: -166.9: -167.2: -165.5:			gera								+
1/1/2010 12:00 1/5/2010 12:00 1/5/2010 12:00		-477.64		.166 lb.			-397.4								+
15/3/200 13 200 15/3/200 13 200 15/3/200 13 200 15/3/200 13 200 15/3/200 13 200 15/3/200 13 200				3-68 kg 45 cg 45 c											+
\$5,7399.1249 \$5,7399.1249 \$7,7399.030 \$7,7399.030 \$7,7399.1249		497.73		-164.2 -164.2			-406.7								₽
77/00812100 77/00812100		407.23		164.3 164.9 145.8											‡
9/9/2010 12300 10/9/2010 12300 12/9/2010 12:00 12/9/2010 12:00 12/9/2011 0:00 -290.13				-164 98 -165 A - -165 A - -175 J			3005								
1/1/20111200 1/5/20111200 1/5/20111200		-481.64		-174.3 -172.11			-30.3								1
2/34/20112:00 35/20112:00 45/20112:00				-329.85 -177.11 -329.85 -177.11 -371.44											+
47/2/2011 12/0 37/2/2011 12/0 57/2/2011 12/0 57/2/2011 12/0 57/2/2011 00/0 -200.25				329.85 371.41 374.45 4.66.23 1.66.23			-346.5								+
77;/201112:00 75;/201112:00 85;90112:00		-492.01		-167.4 -168.5				-28							+
8/2/2011 1/200 9/2/2011 1/200 9/2/2011 1/200 9/2/2011 1/200 9/2/2011 1/200 9/2/2011 1/200		-504.69					-457.1								1
797/2011 12:00 105/5011 12:00 11/1/2011 12:00 11/1/2011 12:00	-456.40	495.66		-176.7 -173.7			-454.8								1
14/27011220 11/27011220 11/2701120 11/2701120 11/2701120 11/270100 11/27011200		~22.00		-193 St -192 S			-453.2								‡
17/2012 030295.85 15/2012 12:00 15/2012 12:00 15/2012 13:00		-492.23		-193.8	1		-453.2	-33							
100/00111200 130/00111200 140/0011200 140/0011200 1				-193.5 -193.1 -190.9											
3/1/2012 0300 -293.47		1 1	1	I I	1	ı I I	-456.5	-23	EI .	1	1 1	1 1	1	1	.1

-189.71 -187.41 -187.35 -185.91 -188.65 -188.58 -294.22 -504.42 -294.96 -504.54 -295.11 -507.21 -295.85 -504.65 -295.70 -500.52 -296.14 -505.63 -296.00 -195.05 -192.79 -465.05 -241.10 -296.91 -509.54 -456.00 -239.70 -296.84 -504.68 -456.20 -465.05 -241.60 -296.69 -339.50 -500.88 6/5/2015 12:00 7/1/2015 0:00 7/6/2015 0:00 7/6/2015 0:00 8/5/2015 0:00 8/5/2015 0:00 9/5/2015 0:00 9/5/2015 0:00 9/5/2015 0:00 9/5/2015 0:00 9/5/2015 0:00 9/14/2015 0:00 9/14/2015 0:00 9/14/2015 0:00 9/14/2015 0:00 9/5/2015 0:00 -297.06 -347.84 -469.26 14/2/2016 000
11/4/2016 000
11/4/2016 000
11/4/2016 000
11/4/2016 000
11/4/2016 000
11/4/2016 000
11/4/2016 000
11/4/2016 000
11/4/2016 000
11/4/2016 000
11/4/2016 000
11/4/2016 000
11/4/2016 000
11/4/2016 000
11/4/2016 000
11/4/2016 000
11/4/2016 000
11/4/2016 000
11/4/2016 000
11/4/2016 000
11/4/2016 000
11/4/2016 000
11/4/2016 000
11/4/2016 000
11/4/2016 000
11/4/2016 000
11/4/2016 000
11/4/2016 000
11/4/2016 000
11/4/2016 000
11/4/2016 000
11/4/2016 000
11/4/2016 000
11/4/2016 000
11/4/2016 000
11/4/2016 000
11/4/2016 000
11/4/2016 000
11/4/2016 000
11/4/2016 000
11/4/2016 000
11/4/2016 000
11/4/2016 000
11/4/2016 000
11/4/2016 000
11/4/2016 000
11/4/2016 000
11/4/2016 000
11/4/2016 000
11/4/2016 000
11/4/2016 000 -297.43 -349.07 -468.20 -507.80 -297.43 -349.98 -467.91 -466.87 -349.38 -297.21 -505.35 -297.10 -515.93 MYMO 2006 12:00 MYM1/2016 0:00 MYM1/2016 0:00 MYM1/2016 0:00 MYM1/2016 0:00 MYM1/2016 0:00 10(47)2016 0:00 10(47)2016 0:00 10(47)2016 0:00 10(47)2016 0:00 10(47)2016 0:00 10(47)2016 0:00 10(47)2016 0:00 10(47)2016 0:00 10(47)2016 0:00 10(47)2016 0:00 10(47)2016 0:00 10(47)2016 0:00 11(47)2017 0:00 11(47)2017 0:00 11(47)2017 0:00 11(47)2017 0:00 11(47)2017 0:00 -371.39 -297.14 -352.23 -471.54 -371.69 -450.00 455.90 -371.46 -554.00 -472.58 -297.58 -298.17 -352.84 -472.68 -290.00 -298.30 -353.20 -472.30 -249.90 -513.32

State #	quarterly in order to close	58-03-410	58-03-411	40-57-602 40-62-50	rements of the TxDOT we 40-54-701	ils and an additional well i 40-61-509	1 Salado, shown in red. 40-33-405 40-35-404	58-02-303 58-10-303	58-17-902 58-29-603	58-03-404	58-02-505 58-06-102	40-53-406	58-05-202 40-63-501	40-62-401	58-06-301	58-05-502 40-53-507	58-06-201 58-04-203	58-06-202	40-54-201 58-03-406	58-03-407	58-03-408 58-03-409	58-02-601
State # CUWCD # Well Name Highest	E-20-120P	58-03-410 E-22-006P Ilman Valley Ranchettes Well	58-03-411 E-22-007P Il tillman Valley Ranchettes Wel	M-09-002P M-13-005 I F Copperas Cove - Lower Acres-City of Ter	M-13-0060 sple #1 arley-City of Te	S M-13-007G mpk : Ridge-City of Temp	40-53-405 40-35-404 40-35-404 40-35-404 40-35-404 40-35-404 40-35-405 40-35-	58-02-303 58-10-303 M-19-001P M-5810303 RRR Hosston City of Florence	58-17-902 58-29-603 M-5817902 M-5829603 Westwood Boys Ranch City of Taylor #3	N1-18-004P Justin Scott	58-02-505 58-06-102 N1-19-0039 N2-02-2016 Gary Kelley Bell Co. WCID #2 -3656.51 -36.00 -441.94 -276.02	N2-02-022G Moffat WSC #1	58-05-202 40-63-501 N2-02-0246 N2-02-0346 Armstrong WSC #1 East Bell WSC #1 -245-80 -217.45 -282.10 -307.54	N2-03-001G en. TX Vet. Hosp	N2-04-010P oit East Bell WSC #2	N2-10-001P N2-13-001P Armstrong WSC #2 Moffat WSC #	58-06-201 58-04-203 N2-13-002P N2-14-004P Trinity Oasis LLC (Jack Hilliard Dozer and Materials) CTWSC Doc Curb	N2-14-005P CTWSC System Split Well	N2-15-002P N2-20-002P City of Troy #2 Hines Texas, LLC #	N2-20-003P F1 Hines Texas, LLC #2	58-03-408 58-03-409 N2-20-004P N2-21-004P Hines Texas, LLC #3 Hines Texas, LLC #4	58-02-601 N2-21-005P 84 Nathan & Danielle McNeal
Highest Lowest	-580.40 -580.40	-368.41 -375.38	-373.16 -378.67	-290.13 -136.13 -305.95 -383.56	-259.00 -497.02	-31.00 -294.40	-268.60 -370.70 -477.64 -492.06 -375.60 -555.22	-293.99 -289.96 -328.94 -588.72	-220.40 -37.90 -384.20 -211.57	-353.59 -389.39	-366.61 -36.00 -441.94 -276.02	-329.70 -583.70	-245.80 -217.45 -282.10 -307.54	-404.70 -434.20	-268.00 -378.00	-305.80 -355.00 -373.10 -596.70	-173.40 -417.08 -205.88 -485.03	-179.11 -225.60	-464.05 -348.35 -469.23 -373.65	-389.81 -416.05	-377.12 -390.19 -391.60 -398.27	-415.20 -427.34
2/2/2017 0:00 2/5/2017 15:00 2/6/2017 0:00									.194 #	5	-225.5											T
				-297.72 -353.35	-472.18	-249.99	-371.03 -512.78															1
3/1/2017 0:00 3/5/2017 0:00 3/5/2017 12:00				-297.65 -353.20			271.12						-251		-29	2						4
3/5/2017 12:00 3/5/2017 15:00							-512.95		-194.2	1												
3/5/2017 15:00 3/6/2017 0:00 3/6/2017 0:00 3/7/2017 0:00 3/31/2017 0:00 3/31/2017 0:00 4/3/2017 0:00 4/4/2017 0:00					-471.30								-254			-336.5						
3/30/2017 0:00 3/31/2017 0:00				-297.60 -353.20	-472.20	-249.50																
3/31/2017 12:00 4/3/2017 0:00							-512.64 -453.90					-476	8 -253		-29	-487.						
4/4/2017 0:00 4/5/2017 0:00 4/24/2017 0:00 5/1/2017 0:00									-194.4	3			-253.7			-335	-184.2					-
5/1/2017 0:00 5/1/2017 0:00				-353.31								-477	3 -267		-29	487.						
4/24/2017 0.00 5/1/2017 0.00 5/4/2017 0.00 5/5/2017 0.00 5/5/2017 0.00 5/5/2017 0.00 6/1/2017 0.00 6/2/2017 0.00 6/4/2017 1.200 6/4/2017 1.200 6/5/2017 0.00 6/5/2017 0.00 6/5/2017 0.00 6/5/2017 0.00									-194.3	3			-252.4			-335						
5/8/2017 12:00				-292.70	-4/1.93	-249.84	-371.04 -514.67															
6/2/2017 0:00				-297.28 -353.90			-371.41						-269 -254		-29	-335.7						
6/4/2017 12:00				-297.28 -333.30	-473.45	-250.00	-3/141 -515.82															
6/5/2017 16:00					-9/3.43	-250.00			-193.5	6		-480	7			-429.						
7/5/2017 0:00									400.00		-186.	-47	8 -268		-29	-488.						
6/9/2017 1:000 6/99/2017 0:000 7/5/2017 0:000 7/5/2017 0:000 7/5/2017 0:000 7/6/2017 0:000 7/6/2017 0:000 8/1/2017 0:000 8/5/2017 0:000 8/5/2017 0:000 8/5/2017 0:000 8/5/2017 0:000 8/5/2017 0:000 8/5/2017 0:000 8/5/2017 0:000				-354.40	-473.83	-250.63	-451.20 -371.28 -516.31		-193.8	,							-185.1					1
7/7/2017 0:00				-297.35			3833					-478	-254.7		10	-336 IS -489.						
8/3/2017 0:00 8/4/2017 0:00												-774	-255			-335.5	452.0					1
8/5/2017 18:00 8/9/2017 0:00				-297.20 -355.22	-474.52	-251.31	-371.28		-194.0	4							453.9					1
8/9/2017 12:00 8/25/2017 0:00				3331			-525.80							-404.	7							+
9/1/2017 0:00 9/4/2017 0:00												-482	2 -285	04.	-29	-493 -336.7						+
9/5/2017 0:00 9/5/2017 12:00				-296.91	-474.84	-251.74	-371.50 -525.80															+
8/9/2017 12:00 8/25/2017 0:00 9/1/2017 0:00 9/4/2017 0:00 9/5/2017 0:00 9/5/2017 12:00 9/5/2017 17:00 10/2/2017 0:00				-297.80			-371.30		-194.3	6		-484	4 .283		.29	-487						 _
10/2/2017 12:00 10/3/2017 0:00							-526.60			<u> </u>	-193.1		-256.6	E		-337.3	-183.6					4
10/4/2017 0:00 10/5/2017 18:00							-451.60		-194.7	8	-133.1			-405.	3							
10/2/2017 12:00 10/3/2017 0:00 10/4/2017 0:00 10/5/2017 18:00 10/19/2017 18:00 10/19/2017 13:50 11/1/2017 0:00									-352			-477	9			-488						 _
11/1/2017 000 11/1/2017 000 11/1/2017 000 11/1/2017 000 11/1/2017 1900 11/1/2017 1900 11/1/2017 1900 11/1/2017 1200 11/1/2017 1200 12/1/2017 000 12/1/2017 000 12/1/2017 000 12/1/2017 000 12/1/2017 000 12/1/2017 1416 12/1/2017 1416 12/1/20													-257.2		-29	-337.9	.455	-183.4				+
11/5/2017 19:00 11/6/2017 0:00				-297.87 -356.97	-475.80				-196.3-	4							-1853					+
11/6/2017 12:00 11/6/2017 14:19							-524.16 -371.40															
12/1/2017 0:00 12/4/2017 0:00				-297.94 -357.15	-476.26							-48	-220		-29	7 -50	-186.3 -455.4	-183.3				
12/4/2017 14:16 12/5/2017 0:00							-371.20		-196.4	s			-256.77			-33E.3						
12/27/2017 0:00 12/27/2017 12:00				-297.80			-522.91										-186.95					-
12/27/2017 14:16 12/29/2017 0:00				-357.33	-476.82	-253.86											-455.85	-183.75				
1/2/2018 0:00												-483	9 -257.8		-29	7 -49 -357.7						-
1/5/2018 19:00 1/8/2018 0:00									-196.9	7				-406.	7							
1/31/2018 12:00 2/1/2018 13:50													-257.8		-294.4	-338.4						
2/4/2018 12:00 2/5/2018 0:00							-371.40 -371.30									-481						-
(JZ/2084 08) 1/4/2081 090 1/4/2081 090 1/4/2081 090 1/4/2081 190 1/4/2																						-
2/5/2018 10:02 2/5/2018 10:12																						
2/5/2018 12:00 2/5/2018 19:00							-522.72		-196.8	6												
2/28/2018 12:00 3/1/2018 0:00													-217.45		-296.7	-495.0						
3/2/2018 12:20												-484	-257.6									
3/4/2018 12:00							-371.70 -371.00									-398.2						
3/5/2018 4:00				-297.72 -357.77	477 14	-253.65	-37.2.00		-196.5	2												#
3/6/2018 15:48				337.72	40.14	-133.03					199.6						-186.75					1
3/29/2018 12:00 3/30/2018 12:00 3/30/2018 14:00				-297.72	477.16	-254.39					-202.0											1
3/30/2018 14:00 3/30/2018 15:40							-468.50										-1873					1
4/3/2018 0:00 4/3/2018 8:00												-494				-513.						-
4/4/2018 8:58 4/4/2018 13:22											-190.5		-256.6									
3/30/2018 15:40 4/3/2018 0:00 4/3/2018 8:00 4/4/2018 8:58 4/4/2018 13:22 4/4/2018 13:55 4/4/2018 14:40 4/5/2018 21:00 4/4/2018 8:17																	-456.75	-180.05				
4/5/2018 21:00 4/24/2018 8:17									-197.5	7						-334.8						
4/24/2018 8:17 4/24/2018 9:05 4/24/2018 11:01 4/24/2018 11:01 4/24/2018 11:3:5 4/24/2018 13:52 4/24/2018 10:06 4/27/2018 8:57													-254.8 -219.76									
4/24/2018 11:41 4/24/2018 13:25														-408.	-295.9	15						1
4/26/2018 10:05											-276.00						-456.45					1
4/30/2018 12:00 5/1/2018 0:00													-219.76		-299.0	13		-180.29				1
4/27/2018 8:57 4/30/2018 12:00 5/1/2018 0:00 5/1/2018 12:40 5/5/2018 21:00 5/7/2018 12:00 5/7/2018 12:00			-									-487	3			-505.0						+
5/7/2018 0:00 5/7/2018 12:00			-	-297.43 -359.03	477.01	-254.96	-371.90		-204.2	1												+
5/31/2018 9:03 5/31/2018 12:00				-399.03		4.4.0			1	1			-217.45 -219.76		-303.6	is.						+
CH1/CH28 # 20 CH									1	1			-219.76		-305.6		-457.11					+
6/1/2018 10:05 6/1/2018 11:20														-410.	6	-339.9						
6/1/2018 11:44 6/3/2018 19:00				-297.57											-302.8	8						+
6/3/2018 20:00 6/4/2018 0:00				-360.85			-372.20									-503.						
6/4/2018 1:00 6/4/2018 2:00					-479.43	-254.66										-383						4
6/4/2018 8:10 6/4/2018 8:50												-495	5					-184.84				1
6/5/2018 12:00 6/21/2018 12:00							-528.55		-204.0	1						1		2,7,21				
6/29/2018 12:00 7/1/2018 0:00													-245.17		-296.7	-508						_
7/3/2018 9:17 7/3/2018 9:18										<u> </u>			-261.3	E		-342.2						4
7/5/2018 0:00 7/5/2018 11:04						-255.80	-371.80							E			-458.91					+=_
7/5/2018 12:00 7/5/2018 13:05				-297.28 -361.65					-204.4:	1				E		1	-187.89					4
7/5/2018 13:30 7/5/2018 14:00							-468.61							-412.	5							+=_
7/31/2018 12:00 8/1/2018 0:00										<u> </u>			-284.44	E	-296.7	-515.						4
8/5/2018 12:00 8/6/2018 0:00							-371.90		-204.7	7												+=
8/6/2018 12:00 8/6/2018 14:52				-297.43												 		-179.11				1
8/6/2018 18:00 8/7/2018 9:15							-543.86						-262.6									+
8/7/2018 9:16 8/13/2018 12:00				-297.80 -363.13	-481.89	-257.19								E		-343						+=_
8/31/2018 12:00		I	1				1 1 1	1 1	1	1		1	-286.75	1	-299.0	13		I	1 1	1		

| Second Content of the Content of t 9/N/2018 17:00 9/N/2018 17:00 9/N/2018 18:00 9/N/2018 18:00 9/N/2018 17:00 9/N/2018 17:00 9/N/2018 17:00 9/N/2018 18:00 10/N/2018 19:00 10/N/2018 19:00 10/N/2018 19:00 -482.72 -258.25 -469.29 -371.60 -531.08 -371.40 -527.84 -371.90 -527.17 -258.82 -482.26 -298.09 -482.26 -362.84 -482.10 -297.94 -298.46 -526.69 -258.79 -467.63 -371.20 -258.76 -371.40 -525.85 -298.31 -363.52 -363.29 -481.37 -259.21 -298.09 -481.48 -363.47 -259.02 4/5/2019 12:00 5/1/2019 10:39 5/1/2019 11:49 -362.76 -480.89 -258.81 -298.24 -363.09 -481.25 -258.99 -524.25 -370.90 -363.04 -481.34 -259.46 -298.39 -364.04 -483.12 -260.34 -37150 -534.19 -296.31 -37180 -298.46 -364.94 -260.80 -484.88 -364.66 -261.82 10/17/2099 18:10 10/17/2099 19:00 10/17/2099 19:00 10/17/2099 19:00 10/17/2099 19:00 10/17/2099 19:00 10/17/2099 19:00 11/14/2099 1 -365.88 -372.00 -531.84 -301.88 -365.79 -485.68 -533.80

State #	58-03-410 E-22-006P	58-03-411	40-57-602	40-62-501	s of the TxDOT wells and an additional well in St 40-54-701 40-61-509	do, shown in red. 40-53-405		40-35-404	58-02-303	58-10-303	58-17-902	58-29-603 53-03-404 53-02-505	58-06-102 40-53-406	58-05-202 40-63-501	40-62-401	58-06-301 58-05-502	40-53-507 58-96-201 N2-13-001P N2-13-002P	58-04-203 58-06-202	40-54-201 58-03-405	58-03-407	58-03-408 58-03-409 58-02-601
CUMCD II E-20-120P Well Name Highest -580.40	E-22-006P Ilman Valley Ranchettes We -368.41	E-22-007P Il tillman Valley Ranchettes Well F -373:16	M-09-002P Copperas Cove - Lower -290.13	M-13-005G Acres-City of Temple #1 -135.13	40-54-701 40-51-509 M-13-0056 M-13-0076 srley-City of Temph is Ridge-City of Temph - -259.00 -31.00 -497.02 -294.40	M-13-039G VI- Inglewood Moni -268.60	t-17-CTGCD_Cartil Cartile -370.70	M-18-TWD8-Gatesville -477.64	M-19-001P RRR Hosston -293.99	\$8-10-303 M-5810303 City of Florence -220,05	58-17-902 M-5817902 Westwood Boys Ranch -220,40	58-29-603 58-03-404 58-02-505 M-5829603 N1-18-0049 N1-19-0039 City of Taylor #3 Justin Scott Gary Kelley -37290 -353.59 -366.61	N2-02-001G N2-02-022G Bell Co. WCID #2 Moffat WSC #1 -36.00 -329.70	58-05-202 40-63-501 N2-02-0246 N2-02-0346 Armstrong WSC #1 East Bell WSC #1 -245-50 -217-45 -282-10 -307-54	N2-03-001G en. TX Vet. Hospi -404.70	N2-04-010P N2-10-001P East Bell WSC #2 Armstrong WSC -268.00 -305.80	NZ-13-001P NZ-13-002P NZ Moffat WSC NZ Trinity Oasis LLC (Jack Hilliard Dozer and Materials) -355.00 -173.40	N2-14-004P N2-14-005P CTWSC Doc Curb CTWSC System Split Well -417.08 -179.11	NZ-15-002P NZ-20-002P City of Troy #2 Hines Texas, LLC # -464.05 -348.35 -469.23 -373.65	N2-20-003P 1 Hines Texas, LLC #2 -389.81	58-03-408 58-03-409 58-02-601 N2-26-004P N2-21-004P N2-21-005P Hinto Texas, LLC 83 Hintos Texas, LLC 84 Nathum & Darriele McNeal -377.12 -390.19 -415.20
Lowest -580.40 12/30/2019 12:02	-375.38	-378.67	-305.95	-383.56		-492.06	-375.60	-555.22	-328.94	-588.72	-384.20	-37.90 -353.59 -366.61 -211.57 -389.39 -441.94	-276.02 -583.70	-282.10 -307.54	-434.20	-378.00 -373.10	-596.70 -205.88 -193.8	-417.08 -179.11 -485.03 -225.60	-469.23 -373.65	-416.05	-391.60 -398.27 -427.34
12/30/2019 15:00 1/2/2020 12:00					-485.78									-289.06		-303.65					
1/3/2020 10.41 1/3/2020 10.42 1/8/2020 10.25 1/8/2020 13.55														-265.5		-34	.5	-191.6			
1/8/2020 13:55 2/2/2020 15:00					-485.70							-355.37									
2/2/2020 15:00 2/3/2020 6:00 2/3/2020 12:00			-299.86	-366.32	-263.24		-372.80	-530.43	-300.89					-289.06		-301.34					
2/5/2020 9:27 2/5/2020 9:28 2/5/2020 10:10 2/6/2020 9:29													-405.				-512.2				
2/6/2020 9:29 3/2/2020 6:00							-372.60							-262.2		-34	.3				
3/2/2020 6:00 3/2/2020 10:00 3/2/2020 12:00			-299.94	-366.43	-263.21			-528.79	-300.34					-279.82		-299.03		-466.25			
3/2/2020 12:05 3/2/2020 12:22 3/2/2020 15:00					-485.48												-194.8	-191.4			
3/4/2020 9:24 3/4/2020 9:25														-266.1		-36	1				
3/5/2020 9:26 3/5/2020 9:27													-494.				-509.7				
4/1/2020 9:17 4/1/2020 11:08																	407.0	-466.35 -191.5			
4/1/2020 12:00 4/3/2020 8:57													.493	-282.13		-299.03	-195.0				
4/3/2020 10:03 4/3/2020 10:12														-265.8		-34	.8				
5/1/2020 12:00 5/2/2020 21:00 E/4/2020 E/40					-485.45		272.60							-284.44		-296.72					
5/4/2020 9:15 5/4/2020 12:00			-299.50	-366.94	-263.43		-372.00	-527.26	-300.29								-194.3				
5/6/2020 9:50 5/6/2020 10:01													-492:				-507				
5/14/2020 10:03 5/14/2020 10:12			-299.57	-367.13	-484.92			F27.34	201.12					-266.4		-34	.3				
6/2/2020 5:00 6/3/2020 9:53			-4/9.57	-507.13	707.04		-372.90	564/-39	-202.43					-282.13		-294.41	-587.3			1	
6/3/2020 10:01 6/3/2020 10:04													-497.	-265.4							
6/3/2020 10:11 6/4/2020 0:33																-34	11	-195.2			
6/5/2020 1:06 6/25/2020 5:00 6/25/2020 12:00		—	-299.57				-373.20		-303.06									-451.03			
6/26/2020 10:03 6/26/2020 10:48						-478.28									-422.72						
6/26/2020 15:27 7/1/2020 10:00							$= \exists$	-528.99					-503.								
7/7/2020 8:20 7/8/2020 9:08 7/8/2020 12:28		—												-267				-197.9 -456.7			
7/8/2010 12-29 7/29/2020 12-43 7/31/2020 10:00														-20		-34	-195.4				
													-508.					-198.6			
8/3/2020 5:00 8/3/2020 8:08 8/3/2020 12:00			-300.01	-370.26	-488.79 -266.16		-373.90	-531.33	-306.52					205.00		205.05		-449.74			
8/12/2020 10:05 8/12/2020 10:11														-269.2		-34	.4				
8/13/2020 14:15 9/1/2020 18:29													-272.94					-424.41			
9/3/2020 9:55 9/3/2020 9:59													-506.	200			-539.7				
9/4/2020 10:08 9/4/2020 21:57														-270		-35	3	-201.7			
9/7/2020 5:00 9/7/2020 12:00			-299.86	-371.13	-490.42 -267.35		-374.00	-533.26	-309.24												
9/10/2020 11:52 9/25/2020 9:15 10/1/2020 11:29													-211.35				-198.7	-417.08			
10/1/2020 11:52 10/1/2020 11:59						-480.29												-218.2			
10/1/2020 12:00 10/1/2020 12:35			-299.72	-371.34	-490.15 -267.58			-531.39	-309.85					-289.06	-426.19	-305.96					
10/1/2020 13:02 10/1/2020 13:45 10/2/2020 9:55												-363.01					-1981				
10/2/2020 9:59 10/12/2020 10:06													-50	-270			- Casta				
10/12/2020 10:08 11/2/2020 9:57																-39	-513.1				
11/2/2020 9:58 11/2/2020 12:00 11/3/2020 13:36													-50	-284.44		-305.96	.199.0				
11/4/2020 0:25 11/18/2020 14:30																		-1923		-389.81	
11/18/2020 14:38 11/18/2020 15:20																			-348.3	15	-380
12/1/2020 0:25 12/1/2020 12:00 12/2/2020 11:15				-371.38	-267.68			-529.26	-310.57					-284.44		-305.96	.195.8	-195.7			
12/2/2020 11:34 12/3/2020 9:56													-227.84				-511.8				
12/3/2020 9:58 12/3/2020 10:06													-497.	-270.8							
12/30/2020 9:30 12/30/2020 10:00						-475.80									-423.31	-35					
12/30/2020 10:25 12/30/2020 10:45									240.00		-		-229.18				-198.4				
12/30/2020 12:00 12/30/2020 12:27 12/30/2020 12:35		—		-371.91	-267.40			-529.88	-310.57										200	14	-377.12
12/30/2020 12-43 12/30/2020 13:07												-377.3							-350.8	-392.56	
1/4/2021 0:25 1/4/2021 9:57													-497.					-225.			
1/4/2021 15:01 1/13/2021 10:17		—												-286.75		-301.34		-470.11			
1/13/2021 10:18 2/1/2021 6:00							-373.70							******		-35					
2/1/2021 12:00 2/5/2021 15:00				-372.23			200.00	-530.37	-309.74					-307.54		-305.96 -35.	.3				
3/3/2011:500 3/1/2011:500 3/1/2011:200 3/2/2011:200 3/2/2011:458 3/2/2011:459 3/2/2011:536		—		-373.12			-3/3/30	-531.03	-309.65				-505.								
3/2/2021 14:59 3/2/2021 15:36													-229.89				-458.6				
3/30/2021 12:00 3/31/2021 5:00						-479.26	-373.30	-530.91													
3/31/2021 9/44 3/31/2021 10:18 3/31/2021 10:52						-479.26									-424.72						
3/31/2021 12:00 3/31/2021 12:27		-		-373.51	-491.05 -272.87				-309.7									-194.1 -471.49			
3/31/2021 13:12 3/31/2021 13:32											-	-367.29									-378.56
3/31/2021 13:43 3/31/2021 13:55 3/31/2021 14:17																			-350.9	-391.52	
4/1/2021 8:25 4/1/2021 8:26		-										-379.1	-505.				355				
4/1/2021 12:00 4/7/2021 10:48														-291.37 -272.7		-296.72					
4/7/2021 10:49 5/3/2021 5:00							-373.10									-35	8				
5/3/2021 10:41 5/3/2021 12:00			-301.27					-530.67	-310.51				-522	-289.06		-299.03	-500.4				
Margara 1260 MAYADI 160 MAYADI 16				-374.78	-491.87																
5/6/2021 9:45 5/13/2021 11:11 5/13/2021 11:12					-269.40									-266.3			2				
6/1/2021 10:42		1					J									-35	-514.4			1	

Well Name	58-03-410 58-03-411 E-20-120P E-22-006P E-22-007P	40-57-602 40-62-501	40-54-701	40-61-509	disds, shown in red. 40-53-405 40-35-404 58-02-803	58-10-303 58-17-302 58-29-603 M-5810303 M-5817902 M-5829603 City of Forence Westwood Soys Ranch City of Taylor #3	58-03-404	58-02-505 58-06-102	40-53-406	58-05-202	40-63-501	40-62-401	58-06-301	58-05-502 40-53-507	58-06-201 N2-13-002P	58-04-203 58-06-202	40-54-201 58-03-405	58-03-407	58-03-408 58-03-409 58-02-601
6/1/2021 10:45 6/8/2021 10:46	E-22-006F E-22-006F E-22-007F E-22-0	M-09-002P M-13-0050 # Copperas Cove - Lower Acres-City of Temple #1 a -290.13 -136.13	M-15-006G F ey-City of Temple Ridge -259.00	W-13-007G 2-City of Temple L' -31.00	40:33-405 45-7-7-7-7-7-7-7-7-7-7-7-7-7-7-7-7-7-7-7	\$8.10-303 \$8.17-902 \$8.29-603 M-\$81900 M-\$81900 M-\$81900 M-\$81900 City of Fibrance Westwood Boys Rinch City of Taylor #3 -289.96 -220.40 -37.50	Justin Scott -353.59	\$8-02-505 \$8-06-102 N1-19-0039 N2-02-0016 Gary Kelley Bell Co. WCID #2 -355651 -36.00 -441.94 -276.02	NZ-02-022G Moffat WSC #1 Ar -329.70	NZ-0Z-0Z4G mstrong WSC #1 -245.80	NZ-02-034G East Bell WSC #1 -217.45	NZ-03-001G em. TX Vet. Hosp -404.70	N2-04-010P East Bell WSC #2 -268.00	\$8-05-502 40-53-507 N2-10-001P N2-13-001P Armstrong WSC #2 Moffat WSC #3 -305.80 -355.00 -373.10 -596.70	N2-13-002P Trinity Oasis LLC (Jack Hilliard Dozer and Materials) -173.40	N2-14-004P N2-14-005P CTWSC Doc Curb CTWSC System Split Well -417.08 -179.11	N2-15-002F N2-20-002F City of Troy #2 Hines Texas, LLC #1 -464.05 -348.35	NZ-20-003P L Hines Texas, LLC #2 -389.81	58.03.408 58.01.409 58.02.401 N2.32.0009 N2.31.0049 N2.31.0059 Hines Texas, LLC 84 Nathan & Dunielle McNeal 2377.12 -390.159 -415.20 -391.00 -398.277 -427.34
6/8/2021 10:46	-580.40 -375.38 -378.67	-305.95 -383.56	-497.02	-294.40	-492.06 -375.60 -555.22 -328.94	-588.72 -384.20 -211.57	-389.39	-441.94 -276.02	-583.70 -501.4	-282.10	-307.54	-434.20	-378.00	-373.10 -596.70	-206.88	-485.03 -225.60	-469.23 -373.65	-416.05	-391.60 -398.27 -427.34
					-373.30					-267.4				-361.3					
6/30/2021 9:48 6/30/2021 10:15 6/30/2021 10:56			-492.02		-481.82														
6/30/2021 10:56 6/30/2021 11:46 6/30/2021 12:00 6/30/2021 12:10		20119 27472		-269.77	521.71 210.29						222.00		200.03			770 AD	-466.15		
6/30/2021 12:10 6/30/2021 12:10		-301.18 -374.72			531.71 -310.38						-272.89	-425.9	-299.03		.199.97	-470.42			
6/30/2021 12:34 6/30/2021 12:53 6/30/2021 13:40							-367.9	-233.18											
6/30/2021 13:52 6/30/2021 14:03 6/30/2021 14:13 6/30/2021 14:40																	-351.43	3 -390.55	379.72
6/30/2021 14:40 7/2/2021 10:44								-384.41						-511.5				3823	
7/2/2021 10:44 7/2/2021 10:45 7/9/2021 14:33 7/28/2021 9:30									-509	-273.1				-363.4					
8/3/2021 9:17 8/23/2021 10:45	-375.38								-522.5					-596.7					415.
8/23/2021 11:22 9/3/2021 14:07	-373.16								-518.5										
9/3/2021 14:08 9/9/2021 11:33 9/9/2021 11:34										-275.8				-561.:					
9/29/2021 9:00			-497.02		-488.37									-303.1					
9/29/2021 10:20 9/29/2021 11:57	-368.41											-428.7							
9/29/2021 12:00 9/29/2021 12:07 9/29/2021 12:26	-374.18	-302.16 -377.91		-277.81	-534.37 -314.08		360.00				-270.58		-294.41						
9/29/2021 13:06 9/29/2021 13:20							-369.88										-353.95	s	382.31
9/29/2021 13:29 9/29/2021 13:29 10/6/2021 13:0									-517.6									-398.01	
10/6/2021 11:31 10/11/2021 10:05 10/11/2021 10:06										-276.6				-530 -362 ^q					
11/1/2021 10:07 11/1/2021 10:07 11/1/2021 10:08 11/1/2021 12:00 11/8/2021 10:04							<u> </u>		-508.4					-524.5					
		-301.98 -377.94	-496.73	-279.81	-533.45 -315.64					-277.1	-272.89		-299.03						
11/8/2021 10:06 11/8/2021 15:18 11/8/2021 15:37	580.40 368.79													-357.8					
11/8/2021 15:48 11/8/2021 16:03	-373.92						-370.72												
11/8/2021 15:48 11/8/2021 16:03 11/8/2021 16:15 11/8/2021 16:22																			-398.05 -384.69
12/1/2021 12:00 12/3/2021 11:06 12/3/2021 11:07									-509		-275.2		-294.41	E4E -					
												-429.0		-518.1	-203.6				
12/6/2021 13:37 12/29/2021 9:25 12/29/2021 9:54			-496.83		-483.75														
12/29/2021 10:20 12/29/2021 10:59 12/29/2021 12:00 12/29/2021 12:49		-302.65 -377.16		-279.80	-534.76 -315.89							-428.2					-465.29		
12/29/2021 12:49 12/29/2021 13:03	-371.02 -373.31																		
12/29/2021 13:03 12/29/2021 13:28 12/29/2021 13:39							-371.82												398.27
12/29/2021 13:49 12/29/2021 14:09 12/29/2021 14:18 12/29/2021 14:34																-202.05		404.01	-336.44
12/29/2021 14:34 12/29/2021 15:27 12/29/2021 20:58								-389.72								477.9			
															-198.83		-373.58	8	
1/5/2022 18:00 1/6/2022 1:00 2/1/2022 18:00 2/2/2022 1:00									-501.7	-276	-270.58		-296.72	-357.6 -516.3 -359.9 -514.3					
		-302.43 -376.57		-280.08	-534.31 -315.25					-275.4									
3/1/2022 18:00 3/2/2022 3:30 3/4/2022 17:16											-275.2		-299.03		200.54				
3/4/2022 17:16 3/8/2022 18:00 4/1/2022 17:00 4/4/2022 11:00										-276.3	-277.51		-296.72	-355.9	346.04				
4/4/2022 11:00 4/6/2022 11:00		-303.25 -377.72		-279.91	-534.76					-277.4				-535.1 -355.8		-472.86 -201.26	200.00		
4/6/2022 13:55 4/6/2022 14:34					-486.28												-373.65 -464.05		
4/6/2022 15:10 4/6/2022 16:55 4/6/2022 17:00	-374.33											-428.7							
4/6/2022 17:03	-378.62														-198.34				
4/6/2022 17:16 4/6/2022 17:36 4/6/2022 17:46					3152		.375.27												
					3152		-375.27												-390.55 -390.55
4/6/2022 18:30 4/6/2022 18:42					3152		-375.27	-397.5										411.01	-390.55 -390.55
4/6/2022 18:04 4/6/2022 18:30 4/6/2022 18:42 5/2/2022 11:00 5/2/2022 17:00		-303.59 -377.91		-283.45	3832 38472 38632		-375.27	-397.5		-276.1	-279.82		-30134	.356.4				411.01	.390.53 .390.53
5/2/2022 17:00 5/29/2022 7:55 6/29/2022 8:32	374	-303.59 -377.91		-283.45	3332 33472 -38612		-375.27	.397.5		-276.1	-279.82		-301 34	-356.4		-200.7f		431.03	-990.50 -990.60 -406.5
5/2/2022 11:00 5/2/2022 17:00 6/29/2022 7:55 6/29/2022 8:32 6/29/2022 9:46 6/29/2022 9:53 6/29/2022 9:53	374.91 -378.67	303.59 377.91		-283.45	3112 3112 3112 3112 3112 3112 3112			-3973		-276.1	-279.82		-30134	-356.4		-350.75 -478.2		451.01	390.01 390.01
5/2/2022 11:00 5/2/2022 17:00 6/29/2022 7:55 6/29/2022 8:32 6/29/2022 9:46 6/29/2022 9:53 6/29/2022 9:53	33431			-283.45			-375.27 -375.28	397.5		-276.1	-279.82		-301.34	-356.4		-200.75 -478.7	.571.22	41101	390.05 390.05 -465.1
5/2/2021100 5/2/2021000 6/29/2022756 6/29/202255 6/29/202246 6/29/2022056 6/29/20221005 6/29/20221005 6/29/20221005 6/29/20221006 6/29/20221006	334.67	201.59 377.91 201.59 377.91		-283.45	584.77 Jh6.12			.975		.276.1	.279.82		.301.34	-356.6		-360.71 -476.7	37.52	411.01	390.00
5/7/02/11/00 5/7/02/11/00 6/79/2022/15/5 6/79/2022/15/5 6/79/2022/15/5 6/79/2022/16/6 6/79/2022/16/6 6/79/2022/16/6 6/79/2022/16/6 6/79/2022/16/6 6/79/2022/16/6 6/79/2022/16/6 6/79/2022/16/6 6/79/2022/16/6	296.81			-283.45	561.52			.992.5		.276.1	-279.82	-430.31		.3564		49.2	-271.92	431.03 431.03	390.05 390.05 456.15 45
5/7/02/11/00 5/7/02/11/00 6/79/2022/15/5 6/79/2022/15/5 6/79/2022/15/5 6/79/2022/16/6 6/79/2022/16/6 6/79/2022/16/6 6/79/2022/16/6 6/79/2022/16/6 6/79/2022/16/6 6/79/2022/16/6 6/79/2022/16/6 6/79/2022/16/6	38.51			-283.45 -283.45	541.02			3925		-2761	-278.82	.430.31		.3564		49.7 30.77	-371,92	411.01	390.65 390.81 485.3 4
\$27,902.3 110.0 \$27,902.3 100.	-294.01 -294.02	-303.76			541.02			397.5	9 20.	-2761	-279-82 -279-82 -279-82	430.30		3564	391.72	492 307	371.52	411.01	390.01 390.01 -466.1
\$2,000,000,000,000,000,000,000,000,000,0	201.65	-303.76			541.02			397.5	353	.276.1	-379.82 -379.82	430.33		364 364 401 384	393.72	49.2	-271.02	411.00	390.65
\$2,202.03.11.00 \$1,072.02.21.05 \$1,072.02.21.0	3847	-303.76			541.02			392.5	4154		.279.82 .279.82 .279.82	430.30	-296.72 -301.34	-50.1		49.7	.971.92	411.07	300.00 - 350.00 - 465.1
\$2,202.03.11.00 \$1,072.02.21.05 \$1,072.02.21.0	3847	383.74 386.27 386.27		-276.32 -280.62	- 44.62 - 391-6 - 497.9			392.5	-5554	-27E 3	.279.82 -282.13	410.3	-296.72 -301.34	363.5 363.5 363.5		49.7	.371.92	411.01	390.0 390.21 390.0 445.1
\$2,202.03.11.00 \$1,072.02.21.05 \$1,072.02.21.0	3847	380.72 380.22 386.65 386.65		-276.32 -280.62	-461.62 -119.65 -462.79 -452.79			397.5	-912	-278.3	.279.82 -282.13		-296.72 -301.34	-50.1		40),7	-49.23	411.02	395.55 395.55 -455.1
\$2,202.03.11.00 \$1,072.02.21.05 \$1,072.02.21.0	3847	383.74 386.27 386.27		-276.32 -280.62 -293.44 -294.40	541.62 J1946 442.70 J2741 452.70 J2741			397.5	-555A -552A -592A	-27E 3	-279 £2 -282 13		-296.72 -301.34	.562.5 .362.5 .360.5 .360.0		492 3957	-49.23	411.02	
\$2,202.03.11.00 \$1,072.02.21.05 \$1,072.02.21.0	3847	361 35 360 22 364 51 364 62 364 62 364 62 364 62		-276.32 -280.62 -293.44 -294.40	-541.62 -113.45 -442.70 -427.70 -427.70 -427.70 -427.70 -427.41 -427.54 -427.54 -427.54 -427.54 -427.54 -427.54			397.5	-001 -001	-27E 3	-279 £2 -282 13		-296.72 -301.34	.562.5 .362.5 .360.5 .360.0	264.5	49.7	469.23		390 G
\$2,202.03.11.00 \$1,072.02.21.05 \$1,072.02.21.0	3847	380.72 380.22 386.65 386.65		-276.32 -280.62 -293.44 -294.40				397.5	.0554	-27E 3	-279 £2 -282 13		-296.72 -301.34	50 1 50 1 50 1 50 1 50 1 50 1 50 1 50 1	264.5	49.2			390.0. 390.0. 465.1
\$2,202.03.11.00 \$1,072.02.21.05 \$1,072.02.21.0	3847	361 35 360 22 364 51 364 62 364 62 364 62 364 62		-276.32 -280.62 -293.44 -294.40	-541.62 -113.45 -442.70 -427.70 -427.70 -427.70 -427.70 -427.41 -427.54 -427.54 -427.54 -427.54 -427.54 -427.54		-375.8E	397.5	-915.4 -92.1 -92.1	-27E 3	-279 £2 -282 13	432.33	296.72 -501.34 -501.34 -347.51	50 1 50 1 50 1 50 1 50 1 50 1 50 1 50 1	264.52	40)			390.00 350.32
\$2,202.03.11.00 \$1,072.02.21.05 \$1,072.02.21.0	3847	383.74 386.27 386.27 386.27 384.43 384.44 382.90 384.49 382.55		-276.32 -280.62 -293.64 -294.49 -277.62	447.79 447.79 323.41 323.45 449.45 449.45 449.45		-375.8E	397.5	-555.8 -555.8 -552.3 -556.6	-27E 3	-279 £2 -282 13	42.3	296.72 -501.34 -501.34 -347.51	50 1 50 1 50 1 50 1 50 1 50 1 50 1 50 1	306.52 	40)			390.0 Att.
\$2,202.03.11.00 \$1,072.02.21.05 \$1,072.02.21.0	3847	383.74 380.27 380.27 384.40 384.40 384.40 384.40 384.40 382.66		-276.32 -280.62 -293.44 -294.40	447.79 447.79 323.41 323.45 449.45 449.45 449.45		-375.8E	397.5	-555	-27E 3	-225.51 -282.51 -284.64 -229.66	412.3	296.72 -501.34 -501.34 -347.51	50 1 50 1 50 1 50 1 50 1 50 1 50 1 50 1	264.52	40)			
\$2,202.03.11.00 \$1,072.02.21.05 \$1,072.02.21.0	3847	365 74 366 22 366 45 366 45 366 46 366 46 366 46 366 55 366 55		-276.32 -280.62 -293.44 -294.49 -277.62	-467.79		-375.8E	397.5		-27E 3	.279.60 .200.110 .284.64	42.3	286.72 327.54 32	50 1 50 1 50 1 50 1 50 1 50 1 50 1 50 1	304 52 301 65 301 66	40)			390.61 390.61 391.6
\$2,202.03.11.00 \$1,072.02.21.05 \$1,072.02.21.0	3847	383.74 386.27 386.27 386.27 384.43 384.44 382.90 384.49 382.55		-276.32 -280.62 -293.64 -294.49 -277.62	-497.70 -497.70 -541.62 -331.65 -331.6		-375.8E	397.5	-054 A -052 A -0	-27E 3	.270.52 521.11 .282.11 .284.64 .289.00	42.3	286.72 327.54 32	367, 367, 367, 367, 367, 367, 367, 367,	304 52 301 65 301 66	40)	366.52		390.0. 390.0. 465.1
\$2,202.03.11.00 \$1,072.02.21.05 \$1,072.02.21.0	3847	362.7% 366.22 366.25 366.45 366.45 366.45 366.25 366.25 366.25 366.25 366.25 366.25 366.25 366.25		-276.32 -280.62 -293.44 -294.40 -277.62	482.75 -482.75 -581.82 -585.22 -584.86 -585.22 -584.86 -585.22 -584.86 -585.22 -584.86 -585.22 -584.86		-375.8E	397.5	-523 -523 -523 -523 -523 -523 -523 -523	-27E 3	.270.52 521.11 .282.11 .284.64 .289.00	412.1	286.72 285.74 283.54 333.54 333.82 333.82	362 303 A81	304 52 301 65 301 66		366.52		
\$2,202.03.11.00 \$1,072.02.21.05 \$1,072.02.21.0	3847	388 12 388 22 388 22 388 22 388 22 388 22 388 22 388 22 388 22 388 28 38 38 38 38 38 38 38 38 38 38 38 38 38		-276.32 -280.62 -293.44 -294.40 -277.62	-461.62		-375.8E	397.5	-555.8 -555.8 -505.1 -505.1 -505.1 -505.1	-27E 3	.270.52 521.11 .282.11 .284.64 .289.00	-452.39	286.72 285.74 283.54 333.54 333.82 333.82	367, 367, 367, 367, 367, 367, 367, 367,	.206.52 .201.66 .201.13	.401	366.52		
\$2,000,000,000,000,000,000,000,000,000,0	3847	386 22 386 22 386 22 386 32 386 40 386 40		20144 22144 22146 22166	-461.62		-375.8E		-353 - 353 -	-27E 3	.270.52 521.11 .282.11 .284.64 .289.00	412.1	286.72 285.74 283.54 333.54 333.82 333.82		.206.52 .201.66 .201.13	400.1	366.52		



Staff measures with quarterly in order to closely monitor the aquifer levels as part of our statuatory responsibility. The Texas Water Development Soard conducted some of the measurements, shown in red. The measurements in blue were taken by the Clearwater staff. The Texas Water Development Soard provides information through publication of continuous monitoring data on the

Starr measures v	ens quarteny in order to cio	asely monitor the aquiner levels as	part or our scattartory responsitor	my. The reas water Develops	measurements	of the TxDOT wells an	id an additional well in	neasurements in dise n Salado, shown in rec	i.	arwayer start. The result was	an Development again pr	owners maximum amough passication	or contributes monitoring data on the																				
State #		58-03-410	58-03-411	40-57-602	40-62-501	40-54-701	40-61-509	40-53-405		40-35-404	58-02-303	58-10-303	58-17-902	58-29-603	58-03-404	58-02-505	58-06-102	40-53-406	58-05-202	40-63-501	40-62-401	58-06-301	58-05-502	40-53-507	58-06-201	58-04-203	58-06-202	40-54-201	58-03-406	58-03-407	58-03-408	58-03-409	58-02-601
CUWCD #	E-20-120P	E-22-006P	E-22-007P	M-09-002P	M-13-005G	M-13-006G	M-13-007G	M-13-0396	W-17-CTGCD_Carfil	M-18-TWD8-Gatesville	M-19-001P	M-5810303	M-5817902	M-5829603	N1-18-004P	N1-19-003P	N2-02-001G	N2-02-022G	N2-02-024G	N2-02-034G	N2-03-001G	N2-04-010P	N2-10-001P	N2-13-001P	N2-13-002P	N2-14-004P	N2-14-005P	N2-15-002P	N2-20-002P	N2-20-003P	N2-20-004P	N2-21-004P	N2-21-005P
Well Name		Ilman Valley Ranchettes Well	tilman Valley Ranchettes Well	I Copperas Cove - Lower .	Acres-City of Temple #1	arley-City of Temple	Ridge-City of Templ	i -Tanglewood Mor	i Carlife		RRR Hosston	City of Florence	Westwood Boys Ranch	City of Taylor #3	Justin Scott	Gary Kelley	Bell Co. WCID #2	Moffat WSC #1	Armstrong WSC #1	East Bell WSC #1	en. TX Vet. Hospit	East Bell WSC #2	Armstrong WSC #2	Moffat WSC #2	Trinity Oasis LLC (Jack Hilliard Dozer and Materials)	CTWSC Doc Curb	CTWSC System Split Wel	City of Troy#2	Hines Texas, LLC #1	Hines Texas, LLC #2	Hines Texas, LLC #3	Hines Texas, LLC #4	Nathan & Danielle McNeal
Highest	-580.40	-368.41	-373.16	-290.13	-136.13	-259.00	-31.00	-268.60	-370.70	-477.64	-293.99	-289.96	-220.40	-37.90	-353.59	-366.61	-36.00	-329.70	-245.80	-217.45	-404.70	-268.00	-305.80	-355.00	-173.40	-417.08	-179.11	-464.05	-348.35	-389.81	-377.12	-390.19	-415.20
Lowest	-580.40	-375.38	-378.67	-305.95	-383.56	-497.02	-294.40	-492.06	-375.60	-555.22	-328.94	-588.72	-384.20	-211.57	-389.39	-441.94	-276.02	-583.70	-282.10	-307.54	-434.20	-378.00	-373.10	-596.70	-206.88	-485.03	-225.60	-469.23	-373.65	-416.05	-391.60	-398.27	-427.34
12/29/2022 19:46																														-410.43			
12/29/2022 20:08																																	-427.34
12/29/2022 20:20																-399.87																	
Since Last		-0.58	-0.06	-0.23	0.00	-0.10	-0.26	-2.61	-0.20	0.99	-0.78	64.82	-45.80	-1.21	-6.09	42.07	-3.29	-2.20	-2.10	4.62	-1.85	6.93	-0.80	-2.70	-1.75	-0.65	-3.55	-5.18	4.05	-4.05	-0.95	8.08	-1.13
Historical	0.00	0.47	-5.51	-14.79	-247.43	-237.83	-248.06	-223.46	-1.91	-64.45	-34.95	-230.45	-163.80	-171.25	-35.80	-33.26	-183.18	-188.00	-34.20	-54.44	-29.50	-44.89	-31.27	-57.70	-33.48	-26.95	-20.94	-3.08	-14.12	-20.62	-11.60	7.86	-12.14

Fine Measurement

| Solid Noticement | Solid Noticement | Solid Noticement | Solid Noticement | Solid Noticement | Solid Noticement | Solid Noticement | Solid Noticement | Solid Noticement | Solid Noticement | Solid Noticement | Solid Noticement | Solid Noticement | Solid Noticement | Solid Noticement | Solid Noticement | Solid Noticement | Solid Noticement | Solid Noticement | Solid Noticement | Solid Noticement | Solid Noticement | Solid Noticement | Solid Noticement | Solid Noticement | Solid Noticement | Solid Noticement | Solid Noticement | Solid Noticement | Solid Noticement | Solid Noticement | Solid Noticement | Solid Noticement | Solid Noticement | Solid Noticement | Solid Noticement | Solid Noticement | Solid Noticement | Solid Noticement | Solid Noticement | Solid Noticement | Solid Noticement | Solid Noticement | Solid Noticement | Solid Noticement | Solid Noticement | Solid Noticement | Solid Noticement | Solid Noticement | Solid Noticement | Solid Noticement | Solid Noticement | Solid Noticement | Solid Noticement | Solid Noticement | Solid Noticement | Solid Noticement | Solid Noticement | Solid Noticement | Solid Noticement | Solid Noticement | Solid Noticement | Solid Noticement | Solid Noticement | Solid Noticement | Solid Noticement | Solid Noticement | Solid Noticement | Solid Noticement | Solid Noticement | Solid Noticement | Solid Noticement | Solid Noticement | Solid Noticement | Solid Noticement | Solid Noticement | Solid Noticement | Solid Noticement | Solid Noticement | Solid Noticement | Solid Noticement | Solid Noticement | Solid Noticement | Solid Noticement | Solid Noticement | Solid Noticement | Solid Noticement | Solid Noticement | Solid Noticement | Solid Noticement | Solid Noticement | Solid Noticement | Solid Noticement | Solid Noticement | Solid Noticement | Solid Noticement | Solid Noticement | Solid Noticement | Solid Noticement | Solid Noticement | Solid Noticement | Solid Noticement | Solid Noticement | Solid Noticement | Solid Noticement | Solid Noticement | Solid Notice

Appendix P

21st Annual Bell County Water Symposium "Our Culture, Our Economy and Our Water Use"

November 16, 2022 8:00 A.M. --- 3:30P.M. Bell County Expo Center - Assembly Hall

This event is free but requires RSVP by November 10th

Program at a Glance

8:00 a.m. - Doors Open for Registration 9:00 a.m. - Welcome & Introductions

9:05 a.m. Reflecting on Growth (Opportunities & Challenges)

Honorable Judge David Blackburn, Bell County

9:20 a.m. Brazos River Authority "Water Management Strategies" and "System Update"

Mr. David Collinsworth, General Manager & CEO, Brazos River Authority

Mr. Brad Brunett, Lower/Central Basin Region Manager, Brazos River Authority

9: 50 a.m. Bell County WCID #1 "History & Role, Serving in Times of Need"

Mr. Richard Garrett, General Manager, Bell County WCID No. 1

10:15 am Break "Refreshments and Announcements"

10:30 a.m. Bell County Groundwater Resource Update "Concerns, Conservation and Future"

Mr. Leland Gersbach, Board President, Clearwater UWCD

Mr. Dirk Aaron, General Manager, Clearwater UWCD

11:00 a.m. Panel Discussion "Annexation Request from Aquifer Conservation Alliance (ACA)"

Moderator: Honorable Judge David Blackburn, Bell County

Panelist: Cole Ruiz, CUWCD General Counsel; Kristen Fancher, ACA General Counsel;

Vince Clause, Professional Geo-scientist; Keith Elliston, ACA President

12:00 noon - Lunch (Invited Texas Legislative Comments)

12:45 p.m. Keynote Address

Domestic and International Perspective of Water Resources and Legal Disputes

Dr. Gabriel Eckstein, Professor of Law,

Director of Texas A&M University Law Program in Natural Resources

1:30 p.m. Texas Climatic Trends and Drought Predictions for 2022 & Beyond

Dr. John Nielson-Gammon, Texas State Climatologist,

Director of the Texas Center for Climate Studies

2:15p.m. Texas State Water Planning and Brazos G Regional Planning for the Future

Mr. Tony Smith, Associated Vice President, Carollo Engineers

3:00 p.m. "Your Aquifer and You: Data Insights from the Middle Trinity Aquifer and the People Who Use It"

Dr. Joe Yelderman, Professor & Chair, Department of Geosciences, Baylor University

Dr. Logan Yelderman, Associate Professor of Psychology, Prairie View A&M University

Mr. Will Brewer, Graduate Assistant, Department of Geosciences, Baylor University





The Clearwater Underground Water Conservation District and Bell County are Pleased to Announce the 21th Annual

Bell County Water Symposium

"Our Culture, Our Economy and Our Water Use"

November 16, 2022 8:00 a.m. - 3:30 p.m.

Location

Bell County Expo Center - Assembly Hall 301 W Loop 121, Belton, TX

This event is open to the public free of charge

Please RSVP by November 10th

254-933-0120 tsmith@cuwcd.org

Clearwater Underground Water Conservation District and Bell County would like to extend a special thank you to the sponsors of the 21st Annual Bell County Water Symposium.





