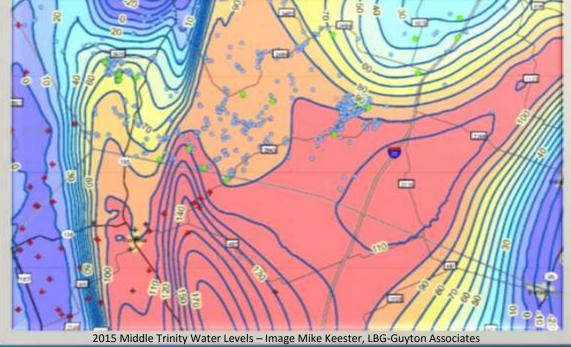
2015 ANNUAL REPORT





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 2015

The Annual Report for Fiscal Year 2015 (FY15) is presented to the Directors of the Clearwater Underground Water Conservation District (CUWCD or District) by May of the following Fiscal Year (May 2016). This report summarizes the activities and accomplishments of the District during FY15 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 2015 calendar year.

2014-2015 Board of Directors



Leland Gersbach Precinct 1

Judy Parker Precinct 4

Gary Young
Precinct 2

Wallace Biskup Precinct 3

David Cole At-Large

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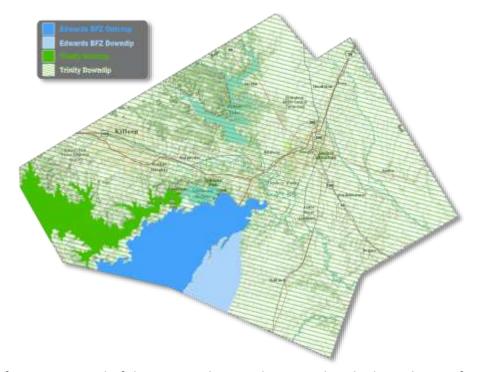
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1. Introduction

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 FY15; but reflects registration, permitting, and production figures for the calendar year 2015.

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. Management Plan requirements include the required tasks and activities identified in the District's Management Plan. Miscellaneous activities include other activities and programs that have been an integral part of the District but are not required by the Management Plan.

A. Contracts / Agreements

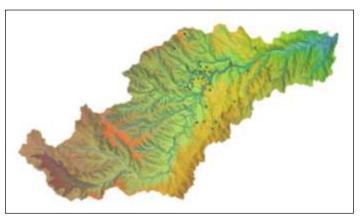
1. Technical Consulting Services

LBG-Guyton Associates

Clearwater UWCD has continued with a professional services contract for general consulting with LBG Guyton Associates that began in calendar year 2014 and included both fiscal year FY14 and FY15. The firm provides administrative and technical reviews of drilling and operating permits along with investigative analysis of aquifer conditions and well construction complaints. LBG Guyton Associates also continues to provide technical representation of the district in GMA 8 relating to development of desired future conditions associated with required joint planning.

Allan R. Standen, LLC

Clearwater UWCD maintains a professional services contract with Allan R. Standen LLC for general consulting services and the annual update of our 3D model. The 2015 updates included a new model of the Salado Creek Watershed and also the addition of new geophysical and well drilling logs from throughout the county. Updating our model on an annual basis allows for more accurate analysis and use of this tool by district staff, consulting hydrogeologist, and landowners for well



Salado Creek Watershed from updated Bell County 3D Groundwater Model

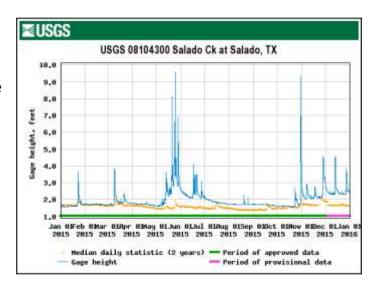
development and prognosis of the aquifer depths prior to drilling. The tool also continues to assist the district in source aquifer determination of newly drilled wells.

Halff Associates, Inc

Halff Associates, Inc. created and continues to manage the District's online GIS website. 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 both to staff and the public as well. Some of the information available includes well latitude and longitude along with ground level elevation of the well head and total depth of well. In 2015 the District was able to begin online production reporting which has reduced paperwork greatly and is more efficient with time.

U. S. Geological Survey, Texas Water Science Survey

During the spring of 2013 the U.S.G.S gauging system was installed and the process of analyzing the data and recalibrating the system began. Through the year of 2015 the system was continuously fine-tuned to ensure accuracy of the data collected. This gauging system and relationship with the USGS has proved to be an important step forward in monitoring spring flow both now and well into the future. The image to the right shows the 2015 stream flow data taken by the gauging system in Salado Creek.



Baylor University, Department of Geology

Clearwwater UWCD continues to contract with the Department of Geology at Baylor University to conduct research projects. The overall goal for the proposed research is to gain a deeper understanding of the Northern Segment of the Edwards Aquifer. Specifically, knowledge of how much recharge occurs and the pathways that recharge takes to the aquifer will greatly assist groundwater resource management. An enhanced scientific understanding of the Northern Segment of the Edwards aquifer will provide 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 2015 a new project with Baylor began to further understanding of the Hensell formation of the Trinity aquifer and the variations in water quality around the county. Water quality was analyzed around the county and relevant data from drillers reports and surface geology studies were gathered. This research is very important to the preservation of the Hensell aquifer as a freshwater resource in Central Texas.

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 FY15 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 support of CUWCD as they engaged as a stakeholder with the Bell County Adaptive Management Coalition.

3. Other Services

Bell County Adaptive Management Coalition

The Board entered into an interlocal agreement beginning in fiscal year 2012 that continued into fiscal year 2015 with the Bell County Commissioners Court, Village of Salado, Salado Water Supply Corporation, Jarrell Schwertner Water Supply Corporation, Texas Home Builders Association, Texas A&M AgriLife Extension Institute of Renewable and Natural Resources, Baylor University Geologist - Dr. Joe Yelderman, U. S. Geological Survey - Texas Water Science Survey, and U.S.F.W.S. - Texas Fish and Wildlife Conservation Office The Stakeholders group collectively contributed \$60,000 through FY15 to evaluate current science and to develop new science regarding the Edwards (BFZ) aquifer and the Salado Salamander habitat. The District defends the position that regulating mechanisms are in place (by CUWCD) on spring flow to protect the specie.

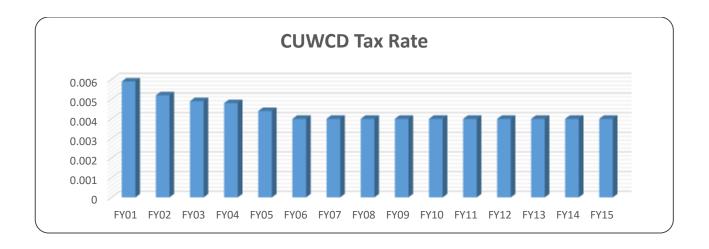
Alton D. Thiele, P.C.

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. Alton D. Thiele, P.C., Certified Public Accountant located in Belton Texas provides the annual financial audit for the District. For more information, see section "B.2 Financial Audit" later in this report.

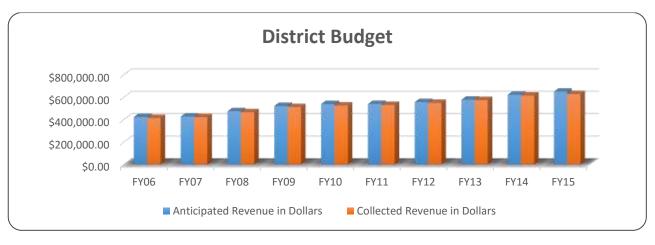
B. Financial Items

1. Budget and Tax Rate

The adopted tax rate for FY15 was \$0.0040/\$100 valuation, the same rate as the previous nine fiscal years. 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 2015 to develop an operating budget for the upcoming fiscal year (FY16) and to set the corresponding ad valorem tax rate. The Board voted to lower the tax rate for FY16 to \$0.0395/\$100 valuation.



The Budget for FY15 was \$649,956.00 and ended with the adjusted income of \$627,645.69. The total expenditures were \$551,695.05 and the district was able to end the year under budget by \$75,950.64. The Board prescribed closing the year with \$75,950.64 being returned to the Reserve Fund.



The approved budget for FY15, along with the schedule of revenues and expenditures is attached as Appendix A.

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. Alton D. Thiele, P.C., Certified Public Accountant located in Belton Texas provided the 2015 annual financial audit for the District. The audit began immediately at the closing of FY15 on September 30, 2015 and they concluded their audit and submitted their findings to the District in February 2016.

See Appendix B for FY15 Financial Audit.

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

1. District Officers

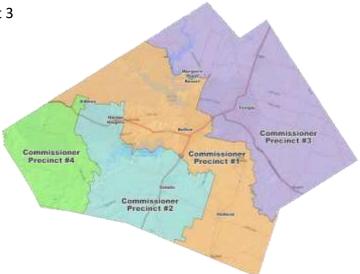
The FY 2015 Officers are identified below, along with the office they held and precinct they represent. The map to the right is a map of the Bell County Commissioner Precincts which also serves as the precinct boundaries for the District.

Leland Gersbach, President – Precinct 1
Wallace Biskup, Vice President – Precinct 3

Judy Parker, Secretary - Precinct 4

Gary Young, Director - Precinct 2

David Cole, Director – At Large



2. Meetings - FY15 (Oct 2014-Sept 2015)

The Board of Directors held 13 Board meetings and 1 informational meeting in FY15. The Workshops and regular Board meeting agendas included discussion and presentations on the topics listed below.

- Presentations by USGS Water Science Group
- Presentations by Baylor University regarding current status of the Edwards (BFZ) 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/

3. Public Advisory Committee

The Public Advisory Committee (PAC) serves as a liaison between the Clearwater Board and the residents of Bell County. Each Board member selects one person to serve for a one year term. The public advisory members meet as needed, and regularly attend the monthly Board meetings.

No PAC meetings were held during FY15. Throughout FY15, most PAC members regularly attended the Clearwater Board meetings. The PAC has provided valuable comments to the Board members at these meetings and they continue to value the input from the PAC. The Board will assign tasks to them as needed.

Tom Madden - Precinct 1

Henry Bunke - Precinct 2

Marvin Green, PAC Chair - Precinct 3

Bradley Ware - Precinct 4

Bill Schumann - At-Large

D. Management Plan

Texas Water Code, Chapter 36.1071--36.1073, states the District Management Plan must be reviewed and readopted every 5 years. The plan is then subject to approval by the Texas Water Development Board (TWDB). Clearwater's management plan was due to the TWDB by March 6, 2011. Proposed revisions for the 5 year update to the District Management Plan went through two preliminary reviews by the Texas Water Development Board (TWDB). The revised Management Plan was accepted by the Board following the public hearing on the revised Management Plan, which was held at Tuesday February 8, 2011 meeting. Afterwards, the Board adopted the revised plan. The Management Plan was sent to TWDB for approval prior to the due date, March 6, 2011. The district received approval from TWDB on April 13, 2011.

3. Management Plan Requirements

The District 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.

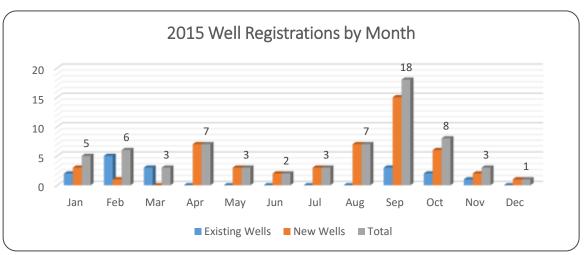
A. Providing the Most Efficient Use of Groundwater

1. Well Registrations

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

Objective Satisfied

During calendar year 2015, 66 wells were registered. The tables below summarize well registration and permitting activity from January 1, 2015 through December 31, 2015.



Appendix C for Master Registration Table

2. Permitted Well Applications

Objective: Each year, the District 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 80 wells registered in 2015, only 11 of those were classified as non-exempt. The Table below summarizes the non-exempt wells or permits that were approved during 2015 and the corresponding permits that were issued where applicable.

Non-Exempt Permitted Well Registrations for 2014 Calendar Yea	r

Well #	Land Owner	Ac-Ft / Year	Aquifer	Use	Permit Type
N2-14-004P	Central Texas WSC	726	Lower Trinity	Public Supply	Operating Permit

N2-15-002P	City of Troy	250	Lower Trinity	Public Supply	Drilling Permit
N2-15-003P	Roy Zinglemann	0.60	Edwards (BFZ)	Domestic	Drilling & Operating
N2-15-004P	Scott Law #1	0.60	Edwards (BFZ)	Domestic	Drilling & Operating
N2-15-005P	Scott Law #2	0.60	Edwards (BFZ)	Domestic	Drilling & Operating
N2-15-006P	Scott Law #3	0.60	Edwards (BFZ)	Domestic	Drilling & Operating
N2-15-007P	Scott Law #4	0.60	Edwards (BFZ)	Domestic	Drilling & Operating
N2-15-008P	Scott Law #5	0.60	Edwards (BFZ)	Domestic	Drilling & Operating
N2-15-009P	Scott Law #6	0.60	Edwards (BFZ)	Domestic	Drilling & Operating
N2-15-010P	Scott Law #7	0.60	Edwards (BFZ)	Domestic	Drilling & Operating
N2-15-011P	Scott Law #8	0.60	Edwards (BFZ)	Domestic	Drilling & Operating
N2-15-0012P	Scott Law #9	0.60	Edwards (BFZ)	Domestic	Drilling & Operating

3. Groundwater Database

Objective: Each year, the District 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

The District maintains an online GIS system and works closely with Halff Associates, Inc. to provide web based access to our ever growing database of well information. Every well registered in the District is available in our database with latitude and longitude and also the elevation of the land surface at the well head. With the well information, the District has the ability to 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 click on Public Access Maps: http://www.cuwcd.org/



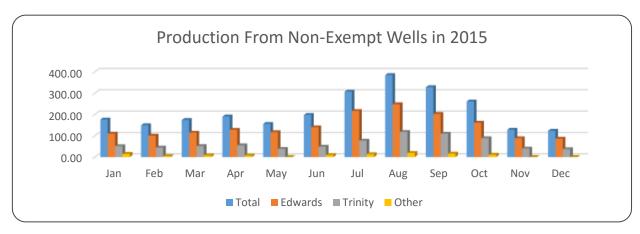
Non-exempt Well Production

The District continued collecting data from non-exempt wells during 2015. 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 2015, 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.

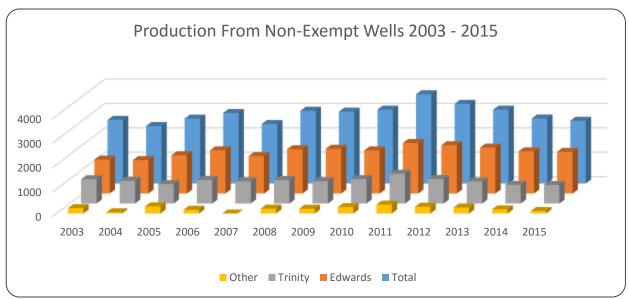
2015 Permitted Wells

	Permitted Ac-Ft	# Wells	Actual Use Ac-Ft	# Wells	% Usage
Edwards (BFZ)	2,508.06	56	1,709.32	46	68.15%
Trinity (total)	3,492.09	51	758.6	42	21.72%
Glen Rose	182.05	8	84.59	5	46.47%
Hensell	462.98	30	54.69	21	11.81%
Hosston	2,847.06	26	619.32	18	21.75%
Other Aquifers	577.54	22	105.62	19	18.29%
Total	6,577.69	129	2,573.54	107	39.13%

The following chart shows 2015 production by month and aquifer. Production was at its highest level during the month of August with a monthly withdrawal of 384.48 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 reflect agriculture irrigation necessary at that time of year.



In the following graph, production from 2015 (107 wells) is shown compared to production in years 2003 through 2015. Overall production in 2015 was 2,573.54 ac-ft. This number has been decreasing from the previous years with production from all sources continually declining since the drought of 2011. The Edwards (BFZ) had a total production for 2015 of 1,709.32 ac-ft, total Trinity aguifer production was 758.6 ac-ft, and other formations produced 105.62 ac-ft of water.



See Appendix D for 2015 Well Production Report

Groundwater Transport

During 2015, five entities in Bell County transported groundwater outside the District. A total transport of 26.78 ac-ft. occurred from the Edwards BFZ aquifer and 110.67 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 total revenue of \$1,119.63 for 2015.

Entity	Aquifer	County	Ac-Ft	Gallons	Fee
Bell-Milam-Falls WSC	Lower Trinity	Falls, Milam, Williamson	107.57	35,050,400	\$876.26
East Bell WSC	Lower Trinity	Falls	1.31	425,354	\$10.63
Jarrell Schwertner WSC	Edwards (BFZ)	Williamson	26.78	8,725,894	\$218.15
Little Elm Valley WSC	Lower Trinity	Falls	1.72	560,367	\$14.01
O&B WSC	Lower Trinity	Falls	0.07	23,069	\$0.58
		TOTAL	137.45	44,785,084	\$1,119.63

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 2010-2015

Entity	2015 Loss (% of water)	2014 Loss (% of water)	2013 Loss (% of water)	2012 Loss (% of water)	2011 Loss (% of water)	2010 Loss (% of water)
Armstrong WSC.	15	13	N/R*	N/R*	N/R*	21.4
Bell Co. WCID #2	11	9	12.54	13.80	12.60	4.56
Bell Co. WCID #5	14	15	9.00	12.00	13.65	10.49
Bell-Milam-Falls WSC.	26	34	26.45	22.00	7.00	41.07
City of Troy	N/R*	24.5	33.00	8.07	N/R*	6.64
East Bell WSC.	14.64	13.71	17.04	18.00	22.01	25.17
Jarrell-Schwertner WSC.	56.45	54.25	48.72	38.00	30.20	38.41
Little Elm Valley WSC.	33	27	23.75	21.00	22.51	18.55
Moffat WSC.	16	6.37	4.16	6.90	5.70	3.05
Oenaville/Bellfalls WSC.	16.6	14.47	9.64	11.46	9.97	4.92
Pendleton WSC.	17.23	22.73	23.18	18.00	14.78	18.02
Salado WSC.	9.8	9.6	14.47	8.00	5.73	7.06

^{*} 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, 2015. Most of the exempt wells in Bell County are used for domestic purposes and their use estimate assumes 176.94 gallons/person per day (TWDB estimate of domestic use outside of a municipal water system) and 2.90 persons/household (U.S. Census - Bell County Average 2008-12). Exempt well use estimate factors out all plugged, capped, monitor and inactive wells in the database.

2015 Exempt Well Production

	Reserved	Estimated Use*	# Wells
Edwards (BFZ)	825 ac-ft	438 ac-ft	731
Trinity	1,419 ac-ft	756 ac-ft	1,275
Other Aquifers	N/A	924 ac-ft	1,489
Total	2,244 ac-ft	2,119 ac-ft	3,495

^{*} Domestic use estimate assumes 176.94 gallons/person per day (TWDB estimate of domestic use outside of a municipal water system) and 2.90 persons/household

(U.S. Census - Bell County average 2008-12)

See Appendix E for 2015 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)	1,709.32	68.15	438	53.09	2,147.32	33.19
Trinity	758.6	21.72	756	53.28	1,514.60	21.43
Other Aquifers	105.62	18.29	924	N/A	1,029.62	N/A
Total	2,573.54	39.13	2,119	53.25	4,729.40	61.03

The chart above shows that overall, exempt wells account for approximately 44.81% of all the groundwater produced in Bell County. In the Trinity, 49.91% of production is attributed to exempt wells; however, in the Edwards BFZ, exempt wells only account for 20.4% of groundwater production, with the vast majority coming from non-exempt wells.

Overall, production from the Edwards BFZ aquifer accounts for 45.41% of total groundwater used in Bell County, with the Trinity aquifer accounting for 32.03%, and other aquifers accounting for 21.77%.

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	2,209.70	298.36	3,135.94
Trinity	7,068	1,419	5,649	1,502.60	1,989.49	2,156.91
Glen Rose (Upper)	992	693	299	61.90	120.15	116.95
Hensell (Middle)	1,076	548	528	259.30	203.68	65.02
Hosston (Lower)	5000	178	4,822	1,181.40	1,665.66	1,974.94

^{*} 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 2014 Edwards and Trinity Aquifer Status Reports

4. Annual Newsletter

Objective: Each year, the District will disseminate educational information on groundwater through publication of a District newsletter.

Objective Satisfied

Annually, the District publishes a newsletter and mails it to registered well owners in Bell County. In 2015 the total number of newsletters printed were 3,350 with over 3,265 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.

See Appendix G for Annual Newsletter.

B. Controlling and Preventing Waste of Groundwater

Outreach and Education

Objective: Each year, the District will disseminate educational information on controlling and preventing the waste of groundwater focusing on water quality protection through at least one classroom or public presentation.

Objective Satisfied

District staff is available to speak to any group within our geographical boundaries. In 2015, District staff reached over 3,531 adults and children in Bell County directly through giving presentations and making contact at event booths. We often give power point 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 Planning Process Participation

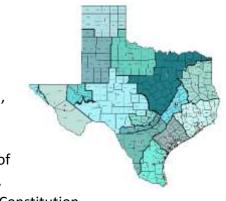
Objective: Each year, the District will participate in the regional planning process by attending a minimum of two meetings of the Brazos G Regional Water Planning Group per fiscal year.

Objective Satisfied

During FY15, District Representative Judy Parker and District General Manager Dirk Aaron attended the scheduled meetings listed below. Judy Parker was also elected by the GMA8 Membership to represent the Groundwater Management Area as an appointed member of Region G.

November 5, 2014	Attended	April 1, 2015	Attended
December 2, 2014	Attended	June 23, 2015	Attended
January 7, 2015	Attended	August 5, 2015	Attended
March 4, 2015	Attended		

In addition to the regional planning group, District
Representative Judy Parker and District General Manager Dirk
Aaron 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 3, 2014 Attended May 7, 2015 Attended March 25, 2015 Attended September 2, 2015 Attended

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 the District will monitor water quality within the District by obtaining water samples from wells and testing the water quality of at least 6 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 FY15, the staff conducted screening on 22 groundwater samples brought in by well owners. Five samples tested were from the Edwards (BFZ) aquifer, two samples from the Upper Trinity, seven samples from the Middle Trinity, no samples from the Lower Trinity, and eight samples from other formations.

The Districts 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 FY15, 18 samples were sent out for certified testing.

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

E. Addressing Drought Conditions

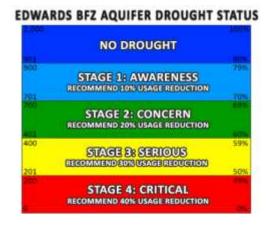
The District's Management Plan requires that the General Manager, Staff and Board of Directors review the District's drought status on a monthly basis. The decisions to declare drought levels per the Districts Drought Management Plan approved December 17th, 2009, are reviewed weekly by the General Manager. 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 year, the District 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 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.

Below are the declared stages during the fiscal year.

Date	Declared Drought Stage	Salado Creek Acre ft/Month	Salado Creek CFS	PDI Total	PDI % Total
10/11/2014	Stage 2 - Concern	372.5	6.26	32.84	99.51
11/19/2014	Stage 2 - Concern	282.0	4.74	30.35	91.97
12/8/2014	Stage 2 - Concern	424.0	7.12	30.49	92.38
2/16/2015	Stage 1 - Awareness	1,285	21.6	33.66	102.00
4/7/2015	Stage 1 - Awareness	1,428	24	35.58	107.81
5/13/2015	No Drought	2,070	34.8	38.60	116.95
6/8/2015	No Drought	3,558	56.8	42.03	127.35
7/15/2015	No Drought	2,380	40	46.20	140.00
8/7/2015	No Drought	1,523	25.6	44.00	133.32
9/3/2015	No Drought	1,809	30.4	44.68	135.40

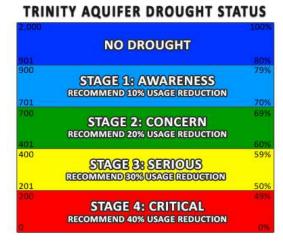
2. Monitor Drought Conditions in the Trinity Aquifer

Objective: Each year, the District 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 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 when the PDI is greater than the trigger condition exceeding for a period of 42 consecutive days.

Below are the declared stages during the fiscal year.



Date	Declared Drought Stage	PDI Total	PDI % Total
10/1/2014	Stage 2 – Concern	30.33	91.92
11/19/2014	Stage 1 – Awareness	32.39	98.15
12/8/2014	Stage 1 - Awareness	32.35	98.01
2/17/2015	Stage 1 - Awareness	35.66	108.06
5/13/2015	No Drought	40.72	123.37
6/8/2015	No Drought	43.35	131.37
7/15/2015	No Drought	43.61	132.14
8/7/2015	No Drought	41.34	125.26
9/8/2015	No Drought	41.11	124.78

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

1. Conservation

Objective: Each year, the District will promote conservation by conducting an annual scholastic contest on water conservation or; distributing conservation brochures/literature to the public.

Objective Satisfied

The District's Management Plan requires promotion of conservation by one outreach method/activity. During 2015, the District exceeded this requirement by aggressive outreach through classroom presentations, District's website, and other public presentations such as the annual Water Symposium. District staff reached over 3,531 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.

See Appendix H for Education and Outreach Events.

2. Rainwater Harvesting

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

Objective Satisfied

The District's 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 J.

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 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 K.

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 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/

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

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

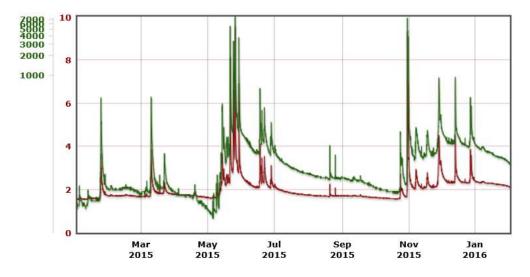
1. Salado Springs

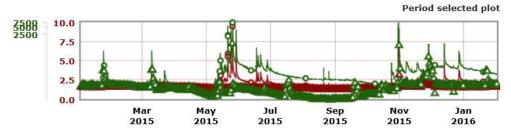
Objective: Each year, the District will include a summary of the monthly average discharge rate of Salado Springs and a discussion of the conservation measures implemented (if any are necessary) to avoid impairment of the Desired Future Conditions for the Edwards aquifer established by GMA-8, in the Annual Report to the Board of Directors.

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. Below is a screen shot of the spring flow data for the calendar year 2015.

Salado Creek - USGS 08104300





Gage height, feet

Discharge, cubic feet per second

The live data can be found online on our website.

http://www.cuwcd.org/salado-springs/salado-creek-gauges/

2. (a) Static Water Level Measurements

Objective: Each year, the District will collect at least 5 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.

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. The TWDB typically uses a steel tape or an airline and does not request the pump to be turned off.

The District has been increasing 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.

A copy of the measurements is included under Appendix M.

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 subdivision for which a Desired Future Condition is established by GMA-8.

Objective Satisfied

The District prepares a status report (Appendix F – Trinity Aquifer Status Report 2015) that explains the status or 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.

4. Miscellaneous Activities

In addition to the 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) 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 2015.

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 2015 a total of 37 wells were plugged in Bell County.

B. Bell County Water Symposium

Clearwater sponsored its fourteenth annual water symposium on November 19, 2015 at the Central Texas Council of Governments Building. Event partners included Bell County, HALFF Associates, Lloyd Gosselink Attorneys at Law, and Texas A&M AgriLife Extension-Bell County.

Topics that were discussed:

- Groundwater Management Showcase (Joint Planning, Joint Efforts and Joint Respect) Central Texas
 Groundwater Conservation District: Charles Shell, General Manager Southern Trinity Groundwater
 Conservation District: Scooter Radcliffe, General Manager Middle Trinity Groundwater Conservation
 District: Joe B. Cooper, General Manager Barton Springs/Edwards Aquifer Conservation District: John
 Dupnik, General Manager High Plains Groundwater Conservation District: Kody Bessent, Legislative
 Director Clearwater Underground Water Conservation District: Dirk Aaron, General Manager
- "Who are the GCD Across TX and What is their Story?" Sarah Roundtree Schlessinger, Executive Director, Texas Alliance of Groundwater Conservation Districts
- Groundwater Case Law, Court Decisions, Affirmation of Groundwater Management Mike Gershon, Attorney, Lloyd Gosselink Rochelle and Townsend
- "Desired Future Conditions" The Process, The Rules, The Conclusions, Why Science Matters? Mike Keester, Senior Hydrogeologist, LBG-Guyton Associates
- "Water Supply & Demand" Trends and Challenges for the Southwest Dr. Robert Mace, Deputy Executive Director, Texas Water Development Board
- Texas Well Owner Network: Drew Gholson, TWON Coordinator, Texas A&M AgriLife Extension Middle Trinity Aquifer Investigation: Jim Tucker, Baylor University
- Edwards Aquifer Geo-Chemistry Investigation: Chris Braun, US Geological Survey
- Edwards Aguifer Investigation of Springs and Recharge Features: Stephanie Wong, Baylor University
- Salado Salamander Investigation: Pete Diaz, Texas Fish & Wildlife Conservation Office

The District set up a display booth and distributed water conservation packets as well as other information on water quality protection and information on the aquifers in Bell County. Approximately 165 people attended the symposium.

Refer to Appendix N for an agenda of the meeting.

C. Internet Site

The District's web site continues to grow on a monthly basis. The web site 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 new website available to the public:

- Current Drought Status

- Access to online GIS Maps

- Educational Resources

- Link to TWDB Groundwater Levels

- Texas Drought Monitor
- Salado Creek Gauges
- District Rules
- Management Plan

- Link to TWDB Texas Reservoir Levels
- Public Records
- District Forms and Documents

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

5. Summary

Based on the leadership 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 data base 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; classroom curriculum, science day events, field days, Earth Day events, and informative presentations for civic organizations.

Clearwater UWCD has maintained the relationships with Bell County, the Village of Salado, USGS, and Baylor University to continue efforts to better understand the Edwards BFZ Aquifer and its complex of springs and recharge features. Knowing that the Salado Salamander is designated as threatened by USFWS, validated the continued need to better understand the habitat and identified threats. 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 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 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.



Clearwater Underground Water Conservation Adopted Budget FY15

REVENUE		
Application Fee Income	20,000.00	
Bell CAD Current Year Tax	623,456.00	
Bell CAD Deliquent Tax	5,000.00	
Interest Income	500.00	
Other Income	0.00	
Transport Fee Income	1,000.00	
Total Income	649,956.00	
EXPENDITURES		
Administrative Expenses		
Audit	5,000.00	
Conferences & Prof Development	3,000,00	
Contingency Fund	27,426.00	
Director Expenses	7,500.00	
Director Fees	12,000.00	
Dues & Memberships	2,250.00	
Election Expense	4,000.00	
GMA 8 Expenses	15,000.00	
Meals	1,000.00	
Mileage Reimbursements	7,000.00	
Travel & Hotel	3,000.00	
Tota Administrative Expenses	87,176.00	
Salary Costs		
Administrative Assistant	43,000.00	
Educational Coord/Support Tech	43,480.00	
Manager	72,000.00	
Part Time/Intern	15,080.00	
Health Insurance	12,000.00	
Payroll Taxes & Work Comp	17,360.00	
Retirement	7,825.00	
Payroll Expenses Total Salary Costs	210,845.00	
·	210,045.00	
Operating Expenses	2 502 00	
Advertisement	3,500.00	
Appraisal District Clearwater Studies	7,000.00	
	147,650.00	
Spring Flow Gage System Computer Consulting	16,000.00	
Computer Consulting Computer Licenses/Virus Prtctn	13,300.00 1,500.00	
Computer Repairs and Supplies	1,500.00	
Computer Software & Hardware	5,500.00	
Copier/Scanner/Plotter	6,000.00	0
Educational Outreach/Marketing	14,500.00	000
Legal	61,000.00	O=
Office Supplies	3,000.00	
Permit Reviews	20,000.00	不二
Postage	2,500.00	@ <u></u>
Printing	3,900.00	Pe
Reserve for Uncollected Taxes	20,000.00	F
Storage Unit	650.00	<u> </u>
Subscriptions	750.00	ءِ ب
Total Operating Expenses	328,250.00	×
Facility Costs	12,085.00	
Utilities	11,600.00	
Total Expense	649,956.00	

For a detailed copy of the FY15 Budget, Please contact CUWCD at 254-933-0120

8/25/14



CLEARWATER UNDERGROUND WATER CONSERVATION DISTRICT COMMUNICATIONS WITH THOSE CHARGED WITH GOVERNANCE SEPTEMBER 30, 2015

ALTON D. THIELE, P.C.

CERTIFIED PUBLIC ACCOUNTANT 300 E. AVENUE C P.O. BOX 808 BELTON, TX 76513-0808

ALTON D. THIELE, P.C.

Certified Public Accountant 300 East Avenue C P. O. Box 808 Belton, Texas 76513-0808

January 8, 2016

To the Board of Directors Clearwater Underground Water Conservation District 700 Kennedy Ct. PO Box 1989 Belton, TX 76513

We have audited the basic financial statements of Clearwater Underground Water Conservation District (the District) as of and for the year ended September 30, 2015. Professional standards require that we provide you with information about our responsibilities under generally accepted auditing standards and *Government Auditing Standards*, as well as certain information related to the planned scope and timing of our audit. We have communicated such information in our letter dated June 29, 2015. Professional standards also require that we communicate to you the following information related to our audit.

Significant Audit Findings
Qualitative Aspects of Accounting Practices

Management is responsible for the selection and use of appropriate accounting policies. The significant accounting policies used by Clearwater Underground Water Conservation District are described in NOTE 1 to the financial statements. Two new accounting policies (Note – 1.D.5) were adopted and the application of existing policies was not changed during the fiscal year ended September 30, 2015. We noted no transactions entered into by the District during the year for which there is a lack of authoritative guidance or consensus. All significant transactions have been recognized in the financial statements in the proper period.

Accounting estimates are an integral part of the financial statements prepared by management and are based on management's knowledge and experience about past and current events and assumptions about future events. Certain accounting estimates are particularly sensitive because of their significance to the financial statements and because of the possibility that future events affecting them may differ significantly from those expected. The most sensitive estimate affecting the financial statements was:

Management's estimate of the useful lives of its capital assets is significant due to the very nature of determining how long an item might last. We evaluated the key factors and assumptions used to develop these estimates in determining that it is reasonable in relation to the financial statements taken as a whole.

Certain financial statement disclosures are particularly sensitive because of their significance to financial statement users. The most sensitive disclosure affecting the financial statements was:

The disclosure of the expense of the compensation and benefits since this expense is estimated to be over one third of the total annual budget comparatively.

The financial statement disclosures are neutral, consistent, and clear.

Difficulties Encountered in Performing the Audit

We encountered no significant difficulties in dealing with management in performing and completing our audit

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Corrected and Uncorrected Misstatements

Professional standards require us to accumulate all known and likely misstatements identified during the audit, other than those that are trivial, and communicate them to the appropriate level of management. Management has corrected all such misstatements. In addition, none of the misstatements detected as a result of audit procedures and corrected by management were material, either individually or in the aggregate, to the financial statements taken as a whole.

Disagreements with Management

For purposes of this letter, professional standards define a disagreement with management as a financial accounting, reporting or auditing matter, whether or not resolved to our satisfaction that could be significant to the financial statements or the auditor's report. We are pleased to report that no such disagreements arose during the course of our audit.

Management Representations

We have requested certain representations from management that are included in the Management Representation Letter dated January 8, 2016.

Management Consultations with Other Independent Accountants

In some cases, management may decide to consult with other accountants about auditing and accounting matters, similar to obtaining a "second opinion" on certain situations. If a consultation involves application of an accounting principle to the District's financial statements or a determination of the type of auditor's opinion that may be expressed on those statements, our professional standards require the consulting accountant to check with us to determine that the consultant has all the relevant facts. To our knowledge, there were no such consultations with other accountants.

Other Audit Findings or Issues

We generally discuss a variety of matters, including the application of accounting principles and auditing standards, with management each year prior to retention as the District's auditors. However, these discussions occurred in the normal course of our professional relationship and our responses were not a condition of retention. For one issue, we refer to "other control matters for board consideration" discussed in the Communication of Significant Deficiencies and Material Weaknesses as Required by Statements on Auditing Standards No. 115.

Other Matters

With respect to the supplementary information accompanying the financial statements, we made certain inquiries of management and evaluated the form, content, and methods of preparing the information to determine that the information complies with accounting principles generally accepted in the United States of America, the method of preparing it has not changed from the prior period, and the information is appropriate and complete in relation to our audit of the financial statements. We compared and reconciled the supplementary information to the underlying accounting records used to prepare the financial statements or to the financial statements themselves.

This information is intended solely for the use of the Board of Directors and Management of Clearwater Underground Water Conservation District and is not intended to be, and should not be, used by anyone other than these specified parties.

Very truly yours,

Alton D. Thiele, P.C. Belton, TX

CLEARWATER UNDERGROUND WATER CONSERVATION DISTRICT

COMMUNICATION OF SIGNIFICANT DEFICIENCIES AND MATERIAL WEAKNESSES AS REQUIRED BY STATEMENT ON AUDITING STANDARDS NO. 115

SEPTEMBER 30, 2015

ALTON D. THIELE, P.C.

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300 E. AVENUE C
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ALTON D. THIELE, P.C.

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Clearwater Underground Water Conservation District 700 Kennedy Ct. PO Box 1989 Belton, TX 76513

In planning and performing our audit of the basic financial statements of Clearwater Underground Water Conservation District (the District) as of and for the year ended September 30, 2015, in accordance with auditing standards generally accepted in the United States of America, we considered the District's internal control over financial reporting (internal control) as a basis for designing our auditing procedures that are appropriate in the circumstances for the purpose of expressing our opinion on the financial statements, but not for the purpose of expressing an opinion on the effectiveness of the District's internal control. Accordingly, we do not express an opinion on the effectiveness of the 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 combination of deficiencies, in internal control, such that there is a reasonable possibility a material misstatement of the District's financial statements will not be prevented, or detected and corrected, in a timely basis.

Our consideration of internal control was for the limited purpose described in the first paragraph 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 or significant deficiencies. However, material weaknesses and other deficiencies may exist that have not been identified.

This communication is intended solely for the information and use of management, the Board of Directors and others within the District, and is not intended to be and should not be used by anyone other than these specified parties.

Other Control Matters for Board Consideration

While the following issue(s) did not rise to the level of a material weakness or significant deficiency, the following are issues in standard procedure presented to the Board for approval.

Cash Overdrawn

At the fiscal year-end, the primary operating cash account was overdrawn. If at all possible, no cash account, especially an operating checking account should be left with an over-drawn balance at fiscal year-end if there are available cash funds in investment accounts that could be transferred to account for the short-fall of cash.

ALTON D. THIELE, P.C. Belton, Texas January 8, 2016

CLEARWATER UNDERGROUND WATER CONSERVATION DISTRICT

BASIC FINANCIAL STATEMENTS AND INDEPENDENT AUDITORS' REPORT

SEPTEMBER 30, 2015

ALTON D. THIELE, P.C.

CERTIFIED PUBLIC ACCOUNTANT 300 E. AVENUE C P.O. BOX 808 BELTON, TX 76513-0808

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ALTON D. THIELE, P.C.

CERTIFIED PUBLIC ACCOUNTANT
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BELTON, TX 76513-0808

INDEPENDENT AUDITORS' REPORT

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

We have audited the accompanying financial statements for the governmental activities and the aggregate remaining fund information of the Clearwater Underground Water Conservation District (the District), as of and for the year ended September 30, 2015, which collectively comprise the District's basic financial statements as listed in the table of contents, and the related notes to the financial statements.

Management's Responsibility for the Financial Statements

Management is responsible for the preparation and fair presentation of these financial statements in accordance with accounting principles generally accepted in the United States of America; this includes 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.

Auditor's Responsibility

Our responsibility is to express an opinion on these financial statements based on our audit. 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. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement.

An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the financial statements. The procedures selected depend on the auditor's judgment, including the assessment of the risks of material misstatement of the financial statements, whether due to fraud or error. In making those risk assessments, the auditor considers internal control relevant to the entity's preparation and fair presentation of the financial statements 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 the entity's internal control. Accordingly, we express no such opinion. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management, as well as evaluating the overall presentation of the financial statements.

We believe that the audit evidence we have obtained is sufficient and appropriate to provide a reasonable basis for our opinion.

Opinion

In our opinion, the financial statements referred to above present fairly, in all material respects, the net position of the governmental activities and the aggregate remaining fund information of Clearwater Underground Water Conservation District, as of September 30, 2015, and the respective changes in fund balances in conformity with accounting principles generally accepted in the United States of America.

Report Issued In Accordance with Government Auditing Standards

In accordance with Government Auditing Standards, we have also issued our report dated January 08, 2016, on our consideration of the District's internal control over financial reporting (internal control) and on our tests of its compliance with certain provisions of laws, regulations, contracts, and other matters. The purpose of that report is 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 internal control or on compliance. This report is an integral part of an audit performed in accordance with Government Auditing Standards and should be considered in assessing the results of our audit.

Telephone: (254) 939-0701

Fax: (254) 933-7601

Emphasis of Matter

As described in Note 1.D.5, the District has implemented GASB Statement No. 63, *Financial Reporting of Deferred Outflows of Resources and Deferred Inflows of Resources, and Net Position* and GASB Statement No. 65, *Items Previously Reported as Assets and Liabilities*, for the year ended September 30, 2015.

Other Matters

Required Supplementary Information

Accounting principles generally accepted in the United States of America require that the management's discussion and analysis on pages 3 through 5 and budgetary comparison information on page 17 be presented to supplement the financial statements. Such information, although not a required part of the basic financial statements, is required by the Governmental Accounting Standards Board (GASB), 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

Our audit was conducted for the purpose of forming an opinion on the financial statements that collectively comprise the District's basic financial statements. The Texas Supplementary Information, on pages 18 through 21, is presented for purposes of additional analysis and is not a required part of the basic financial statements of the District. Such information has been subjected to the auditing procedures applied in the audit of the basic financial statements and, in our opinion, is fairly presented in all material respects, in relation to the basic financial statements taken as a whole:

The PC

Belton, Texas \\
January 08, 2016

CLEARWATER UNDERGROUND WATER CONSERVATION DISTRICT MANAGEMENT'S DISCUSSION AND ANALYSIS SEPTEMBER 30, 2015

The management of the Clearwater Underground Water Conservation District (the District), offers readers of the District's annual financial report this narrative overview and analysis of the District's financial performance during the fiscal year ended September 30, 2015. This discussion and analysis is intended to be an easily readable analysis of the District's financial activities based on currently known facts, decisions, and conditions. Please read it in conjunction with the Independent Auditors' Report and the District's basic financial statements and the related notes.

FINANCIAL HIGHLIGHTS

** The District's total net position,	\$ 1	1,043,219
** Cash and investments,	\$	623,840
** Deferred Inflows of Resources	\$	21,241
** The District's liabilities,	\$	23,621
** Total tax revenues,	\$	609,566
** Operational expenditures.	\$	574.059

OVERVIEW OF THE FINANCIAL STATEMENTS

This annual financial report consists of, but is not limited to, the following: Management's Discussion and Analysis (this section, which is intended to serve as an introduction to the basic financial statements), the basic financial statements, and the related notes to the financial statements. The District is a governmental entity and follows the accrual basis of fund accounting for a governmental entity. The District is funded primarily by property tax revenue from within the District's boundaries to provide a means by which underground water is controlled and monitored throughout the District.

REPORT LAYOUT

In addition to the Management's Discussion and Analysis (MD&A) (pages 3-5), the report consists of basic financial statements, notes to the financial statements, and supplementary information. The basic financial statements are highly condensed and present a government-wide view of the District's finances.

These *Government-wide Financial Statements* (pages 6–9) are designed to be more corporate-like in that all activities are consolidated into a total for the District. The totals represent the *Statement of Net Position*, which presents the assets, liabilities, with the difference of the two reported as net position and the *Statement of Activities* which presents information on how the District's net position changed during the year.

The *Notes to the Financial Statements* (pages 10-14) provide additional information that is essential to a full understanding of the data provided in the government-wide basic financial statements.

Required and other supplemental information (pages 16-21) is also provided for additional information and analysis.

CLEARWATER UNDERGROUND WATER CONSERVATION DISTRICT MANAGEMENT'S DISCUSSION AND ANALYSIS SEPTEMBER 30, 2015

FINANCIAL ANALYSIS OF THE DISTRICT

Statement of Net Position: The following table summarizes the net position of the District

	2015	2014
Current Assets Capital Assets (Net of	\$ 645,189	\$ 544,940
Accumulated Depreciation) Deferred Inflows of	442,892	465,256
Resources	(21,241)	(20,564)
Liabilities	(23,621)	-0-
Net Position: Unreserved	(600,327)	(524,376)
Net Investment in Capital Assets	(442,892)	(465,256)
Total Net Position	\$ (1,043,219)	\$ (989,632)

Statement of Activities: The following table summarizes the changes in net position

	2015	2014
Tax Revenue Interest and Other	\$ 609,566	\$ 583,194
Revenues	18,080	31,695
Expenditures	(574,059)	(569,414)
Change in Net Position	\$ 53,587	\$ 45,475

As shown in the above information, the District improved financially, overall. However, the District's change in net position increased by \$ 8,112. In addition to the operational expenditures of \$(551,695), the District reported accumulated depreciation of \$(22,364) creating a decrease in the net investment in capital assets of \$(22,364).

BUDGETARY HIGHLIGHTS

Actual tax revenues received were less than the budgeted tax revenues by \$(22,310) or 3%. However, actual operational expenditures were 12% less than budgeted expenditures. This resulted in an increase in net position of \$53,587. The budget was legally adopted according to established guidelines and the Board of Directors legally adopted amendments to individual budget items during the fiscal year. (See page 17 for details)

CLEARWATER UNDERGROUND WATER CONSERVATION DISTRICT MANAGEMENT'S DISCUSSION AND ANALYSIS SEPTEMBER 30, 2015

CAPITAL ASSETS

During the year, new monitor wells were constructed and both office and field equipment was purchased so that at September 30, 2015, the District had a net decrease in Capital Assets of \$(22,364). The Net investment in Capital Assets at fiscal year-end was \$442,892.

Additional information regarding Capital Assets can be found in the notes to the financial statements. (Note-3, page 13)

DEBT OUTSTANDING

The District has no long term debt as of the fiscal year ended September 30, 2015.

ECONOMIC FACTORS AND NEXT YEAR'S BUDGET AND RATES

The District's property tax rate for the 2015/2016 fiscal year (FY16) was lowered to \$0.00395 per \$100 valuation. The estimated taxable property value is 16,526,207,000 for total expected tax revenue of \$653,906. Other Income and delinquent property taxes is estimated at \$26,500. The District's budgeted expenditures for FY16 are expected to be \$680,406 resulting in a balanced budget for the coming fiscal year.

FINANCIAL CONTACT

The District's financial statements are designed to present users (citizens, taxpayers, creditors, and regulatory agencies) with a general overview of the District's finances and to demonstrate the District's accountability. If you have questions about the report or need additional financial information, please contact the District Manager at 700 Kennedy Ct., PO Box 1989, Belton, TX 76513.

BASIC FINANCIAL STATEMENTS, WITH RELATED NOTES AS OF SEPTEMBER 30, 2015

CLEARWATER UNDERGROUND WATER CONSERVATION DISTRICT STATEMENT OF NET POSITION AND GOVERNMENTAL FUNDS BALANCE SHEET

SEPTEMBER 30, 2015

	Governme	01:4:	
ACCETO	General Fund	Adjustments	Statement of Net Position
ASSETS			
Cash in Banks	\$ -		\$ -
Invested Funds Receivables	623,840		623,840
Taxes Fees	21,241 108		21,241 108
Capital Assets (net of accumulated depreciation)		440.000	440.000
Infrastructure		442,892	442,892
Total Assets	\$ 645,189	\$ 442,892	\$ 1,088,081
DEFERRED INFLOWS OF RESOURCES Property Tax Revenue	\$ 21,241		\$ 21,241
LIABILITIES			
Liabilities			
Cash Overdraft	\$ 23,621		\$ 23,621
Total Liabilities	23,621		23,621
FUND EQUITY			
Fund Balances	000 007	(000 007)	
Unreserved	600,327	(600,327)	
Total Fund Equity	600,327	(600,327)	-
Total Liabilities and Fund Equity	\$ 645,189		
NET POSITION			
Net Investment in Capital Assets		442,892	442,892
Unreserved		600,327	600,327
Total Net Position		\$ 1,043,219	\$ 1,043,219

CLEARWATER UNDERGROUND WATER CONSERVATION DISTRICT RECONCILIATION OF THE GOVERNMENTAL FUNDS BALANCE SHEET TO THE STATEMENT OF NET POSITION SEPTEMBER 30, 2015

Total Fund Balances for Governmental Funds (Page 6)

\$ 600,327

Total Net Position Reported for Governmental Activities in the Statement of Net Position is Different Because:

Capital assets used in governmental acitivites are not financial resources and therefore are not reported in the funds. Those assets consist of:

Land and Easements

\$ 442,892

Total Capital Assets (See p10, Note 1.B.2 and p13 Note 3)

442,892

Total Net Position of Governmental Activities (Page 6)

\$ 1,043,219

CLEARWATER UNDERGROUND WATER CONSERVATION DISTRICT STATEMENT OF ACTIVITIES AND GOVERNMENTAL FUNDS REVENUES, EXPENDITURES, AND CHANGES IN FUND BALANCE AND NET POSITION FOR THE YEAR ENDED SEPTEMBER 30, 2015

	Governme	Governmental Funds		
	General		Statement of	
	Fund	Adjustments	Activities	
EXPENDITURES				
Operations				
Director Fees	\$ 12,750		\$ 12,750	
Administrative	28,340		28,340	
Compensation and Benefits	206,055		206,055	
Depreciation		22,364	22,364	
Facilities Costs	18,998		18,998	
Clearwater Studies	128,517		128,517	
Legal and Professional	73,781		73,781	
Collection Fees	6,914		6,914	
Advertising	1,651		1,651	
Other Operating Expenditures	74,689		74,689	
Total Expenditures	551,695	22,364	574,059	
REVENUES				
General Revenues				
Property Taxes	609,566		609,566	
Permits, Licenses, and Other Fees	17,494		17,494	
Interest and Other Income	586		586	
Total Revenues	627,646		627,646	
Excess (Deficiency) of Revenues				
over Expenditures	75,951	(22,364)	53,587	
	70,001	(22,001)	00,001	
Change in Fund Balance/Net Position	75,951	(22,364)	53,587	
NET POSITION		,	•	
NET TOOM ON				
Beginning of Year	524,376	465,256	989,632	
End of Year	\$ 600,327	\$ 442,892	\$ 1,043,219	

CLEARWATER UNDERGROUND WATER CONSERVATION DISTRICT RECONCILIATION OF THE GOVERNMENTAL FUNDS REVENUES, EXPENDITURES, AND CHANGES IN FUND BALANCE AND NET POSITION TO THE STATEMENT OF ACTIVITIES FOR THE YEAR ENDED SEPTEMBER 30, 2015

Net Change in Fund Balance - Total Governmental Funds (Page 8)	\$ 75,951
The Change in Net Position Reported for Governmental Activities in the Statement of Activities is Different Because:	
Governmental funds report capital outlays as expenditures. In the Statement of Activities the cost of those assets is allocated over their estimated useful lives and reported as depreciation expense.	
Capital assets reported as capital outlay in governmental fund statements: Depreciation expense reported in statement of activities: Amount by which capital outlays are greater (less) than	
depreciation in current period:	(22,364)
Change in Net Position of Governmental Activities (Page 8)	\$ 53,587

NOTE 1 - SIGNIFICANT ACCOUNTING POLICIES AND BASIS OF ACCOUNTING

The basic financial statements of Clearwater Underground Water Conservation District (the District) have been prepared in conformity with accounting principles generally accepted in the United States of America (US GAAP) as applied to governmental units. The Governmental Accounting Standards Board (GASB) is the acceptable standard-setting body for establishing governmental accounting and financial reporting principles. The significant accounting principles and policies utilized by the District are described below:

A. Reporting Entity

The District was created in 1989 by resolution of the Commissioners Court of Bell County, Texas, pursuant to H.B. 3172, Chapter 524, Acts of the 71st Legislature (1989 Session)(the "Act"). The District is a governmental agency and a body politic and corporate, created by and acting pursuant to the Act as amended by S.B. 404, Chapter 22, Act of the 77th Legislature (2001 Session), S.B. 1755, Chapter 64, Act of the 81st Legislature (2009 Session), and by applicable law including the provisions of Chapters 36 and 49 of the *Texas Water Code*. A five member group, which constitutes the Board of Directors, is the level of government which has responsibility over all related activities within the jurisdiction of the Clearwater Underground Water Conservation District. The District receives funding from local property taxes; certain well, pump, and transmission fees; and interest resulting from investments of excess funds.

The District is not included in any other governmental reporting entity. The taxpayers within the jurisdiction of the District elect the Board members. The Directors have decision-making authority, the power to designate management, the responsibility of operations, and the primary accountability of fiscal and fiduciary matters.

B. Government-wide and Fund Financial Statements

The accounts of the District are organized on the basis of funds and account groups, each of which is considered a separate accounting entity. Operations of each fund are accounted for with a separate set of self-balancing accounts that comprise its assets, liabilities, fund equity, revenues, and expenditures, as appropriate. The government-wide financial statements report all the activities of the District. These activities are primarily supported by property taxes, license, registration, and other fees. The following are descriptions of the fund types and account groups used by the District.

1. Governmental funds

<u>General Fund</u> – All unrestricted financial resources except those required to be accounted for in another fund are recorded in the general fund. It is the District's general operating fund. Taxes and fees are the major sources of revenue. Expenditures include all costs associated with the daily operations of the District. There are no other governmental funds at this time.

2. Account groups

<u>Capital Assets, account group</u> – All capital assets of the District are accounted for in this group. The account group is not a fund. It only measures financial position and is not involved with measurement of results of activities.

C. Basis of Accounting

All funds of the District use the accrual basis of accounting. Under this method, revenues are recorded when susceptible to accrual (i.e., both measurable and available). Funds are considered available when they are collectible in the current period or soon enough thereafter to pay current liabilities. All revenues of the District are susceptible to accrual. Expenditures, if measurable, are recognized as incurred.

D. Assets, Liabilities, Deferred Outflows/Inflows of Resources, and Net Position or Fund Balance

1. Cash and Cash Equivalents

The District's cash and cash equivalents are considered to be cash on hand, demand deposits, and certificates of deposit.

2. Budgets and Budgetary Accounting

The adoption of an annual budget, for the general fund, is required prior to the beginning of each fiscal year on a basis consistent with accounting principles generally accepted in the United States of America. Thirty to sixty days prior to the beginning of each fiscal year, District management will submit a proposed budget for the fiscal year beginning on the following October 1st. The operating budget includes proposed expenditures and the means of financing them. After consideration the Board of Directors will adopt the budget by appropriate board action. Any revisions that alter the budget must also be considered and approved by board action.

3. Accounts Receivable

Accounts receivable are recorded at gross amount with uncollectable amounts recognized under the direct write-off method. No allowance for uncollectible accounts has been provided since it is believed that the amount of such allowance would not be material to the basic financial statements.

4. Capital Assets

Capital Assets have been acquired for general governmental purposes. Assets purchased or constructed are recorded as expenditures in the applicable governmental fund type and capitalized at historical cost in the Capital Asset, account group. Contributed capital assets are recorded at estimated fair market value at the time received. Infrastructure assets are also included in the Capital Asset account group.

The full depreciation of the applicable capital assets is being recognized in compliance with the implementation of GASB Statement 34. Depreciation is calculated on the straight-line basis according to the following useful lives:

Building and Improvements 20 – 40 years Office and Field Equipment 5 - 15 years

5. Deferred Outflows/Inflows of Resources

The District implemented GASB Statement No. 63, Financial Reporting of Deferred Outflows of Resources, Deferred Inflows of Resources, and Net Position and GASB Statement No. 65, Items Previously Reported as Assets and Liabilities for the year ended September 30, 2014. In addition to assets, the statement of net position will sometimes report a section for deferred outflow of resources. This separate financial statement element represents a consumption of net position that applies to a future period(s) and so will not be recognized as an outflow of resources (expenditures) until then. The District currently does not have any items that qualify for reporting in this category.

In addition to liabilities, the statement of net position will sometimes report a separate section for deferred inflows of resources. This separate financial statement element represents an acquisition of net position that applies to a future period(s) and so will not be recognized as an inflow of resources (revenue) until that time. The District has one type of item that qualifies for reporting in this category; delinquent property taxes. The amount of this item is deferred and will be recognized as an inflow of resources in the period the amount is collected and remitted to the District.

6. Equity Classifications

In the government-wide financial statements, equity is shown as net position and classified into three components; Net Investment in Capital Assets, Restricted, and Unrestricted. The District uses two of these classifications.

- a. Net Investment in Capital Assets Capital Assets, net of accumulated depreciation and reduced by any outstanding debt that poses an encumbrance.
- b. *Unrestricted* All other assets that do not meet the definition of net investment in capital assets.

The District reports the governmental fund balance as, unassigned; not previously classed as:

Non-spendable – Amounts that cannot be spent because they are either not in a spendable form or, legally or contractually required to be maintained intact.

Restricted – Amounts with restrictions imposed externally by creditors, grantors, contributors, or laws or regulations of other governments, constitutional provisions or enabling legislation.

Committed – Amounts that can only be used for specific purposes and imposed by formal action of the board of directors.

Assigned – Amounts informally constrained by District management but not formally restricted by the board of directors.

7. Risks, uncertainties, and use of 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 revenue and expenditures during the reporting period. Actual results could differ from those estimates.

NOTE 2 – PROPERTY TAXES

Property taxes are levied October 1 on the assessed property value as of the prior January 1 for all real and business personal property located in the district in conformity with Subtitle E, Texas Property Tax Code. Taxes are due on receipt of the tax bill and are delinquent if not paid before February 1 of the year following the year in which imposed. On January 31 of each year, a tax lien attaches to property to secure the payment of all taxes, penalties, and interest ultimately imposed. The District's property taxes are billed and collected by the Tax Appraisal District of Bell County. Property tax revenues are considered available (1) when they become due or past due and receivable within the current period and (2) when they are expected to be collected during a 60-day period at the close of the District's fiscal year.

The net assessed value after adjustments, based on 100 percent of the assessed valuation of real and personal property within the District on the 2014 tax roll, was \$15,564,029,000. The 2014 tax rate of \$0.004 per \$100 valuation was assessed and allocated to the General Fund. The resulting tax levy was \$622,561.

Deferred tax revenue is reported as deferred inflows of resources (Note 1.D.5 para 2) by the District on its Governmental Funds balance sheet under the General Fund and arises when potential revenue does not meet the "measurable" and "available" criteria for recognition in the current period. In subsequent periods, when both revenue recognition criteria are met, the liability for the deferred tax revenue is removed from the balance sheet and the revenue is recognized. The current Deferred Inflow of Resources is \$21,241.

NOTE 3 - CHANGES IN CAPITAL ASSETS

A summary of changes in capital assets is as follows:

	Primary Government				
2015 Capital Assets not Depreciated	Beginning investment	Increase	Retirements	Ending Investment	
Land	\$ 55,366			\$ 55,366	
Total not Depreciated Capital Assets Depreciated	55,366			55,366	
Land Improvements	19,000			19,000	
Building	304,470			304,470	
Monitor Wells	50,238			50,238	
Field Equipment	17,244			17,244	
Office Equipment	59,939			59,939	
Total Depreciated	450,891			450,891	
Total Capital Assets Accumulated	506,257			506,257	
Depreciation Net Investment in	(41,001)	(22,364)		(63,365)	
Capital Assets	\$ 465,256	\$(22,364)		\$ 442,892	

NOTE 4 - CASH DEPOSITS AND INVESTMENTS WITH FINANCIAL INSTITUTIONS

The District's checking deposits and Texas Treasury Safekeeping Trust Company (TexPool) investments at September 30, 2015, were fully covered by federal depository insurance and/or pledged securities. In accordance with GASB Statement No. 31, Accounting and Reporting for Certain Investments and External Investment Pools, the District reports all investments at fair value.

The District's cash and invested funds at September 30, 2015, were as follows:

	General Fund
First State Bank of Central Texas	
Operating account*	\$ (23,621)
TexPool Accounts	, ,
LGI Pool	311,949
Prime	311,891
Total TexPool accounts	623,840
Total cash and invested funds	\$ 600,219
TexPool Accounts LGI Pool Prime Total TexPool accounts	311,94 311,89 623,84

The market value for the above listed accounts is not materially different from the carrying value of the accounts.

^{(*} Note: since this account was overdrawn at the fiscal year-end, the balance is shown on the Governmental Funds balance sheet as a liability not as a negative asset.)

Policies, Governing Deposits and Investments

The District has implemented an investment policy and is authorized, according to the *Public Funds Investment Act* (PFIA) (Government Code Chapter 2256), to invest any and all of its funds in certificates of deposit, direct debt securities of the United States of America or the State of Texas, fully collateralized repurchase agreements, certain types of commercial paper, certain types of municipal bonds and local government investment pools created under the Interlocal Cooperation Act, wherein all funds were invested as listed above.

In compliance with the Public Funds Investments Act, the District has adopted a deposit and investment policy where that policy addresses the following risks:

Custodial Credit Risk – Deposits: This is the risk that in the event of bank failure, the District's deposits may not be returned to it. The District was not exposed to custodial credit risk, since its deposits at year-end and during the year ended September 30, 2015 were covered by depository insurance or by pledged collateral held by the District's agent bank in the District's name.

Custodial Credit Risk – Investments: This is the risk that, in the event of the failure of the counterparty, the District will not be able to recover the value of its investments or collateral securities that are in the possession of an outside party. Investments are subject to custodial credit risk only if they are evidenced by securities that exist in physical or book entry form. Thus positions in external investment pools are not subject to custodial credit risk because they are not evidenced by securities that exist in physical or book entry form.

NOTE 5 - 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 upon separation. Accrual at fiscal year-end was not material to these financial statements.

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 per pay 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.

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, 2015, the employer match was \$7,200.

NOTE 6 - SUBSEQUENT EVENTS

District management has evaluated subsequent events through January 8, 2016; the date the financial statements were available to be issued. No change to the financial statements for the fiscal year ending September 30, 2015 is deemed necessary as a result of this evaluation.

ALTON D. THIELE, P.C.

CERTIFIED PUBLIC ACCOUNTANT 300 E. AVENUE C P.O. BOX 808 BELTON, TX 76513-0808

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

Board of Directors Clearwater Underground Water Conservation District 700 Kennedy Ct. Belton, TX, 76513

We have audited, 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, the financial statements of governmental activities and the aggregate remaining fund balance information of Clearwater Underground Water Conservation District (the District) as of and for the year ended September 30, 2015, and the related notes to the financial statements, which collectively comprise the basic financial statements, and have issued our report thereon dated January 8, 2016.

Internal Control Over Financial Reporting

In planning and performing our audit of the financial statements, we considered the District's internal control over financial reporting (internal control) to determine the audit procedures that are appropriate in the circumstances for the purpose of expressing our opinion on the financial statements, but not for the purpose of expressing an opinion on the effectiveness of the District's internal control. Accordingly, we do not express an opinion on the effectiveness of the 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 may exist that have not been identified.

Compliance

As part of obtaining reasonable assurance about whether the District's financial statements are free of material misstatement, we performed tests of its compliance with certain provisions of laws, regulations, and contracts, noncompliance with which could have a direct and material effect on the determination of financial statement amounts. 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 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.

Berton, Texas January 8, 2016

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CLEARWATER UNDERGROUND WATER CONSERVATION DISTRICT INDEX OF SUPPLEMENTAL SCHEDULES INCLUDED IN THIS REPORT SEPTEMBER 30, 2015

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CLEARWATER UNDERGROUND WATER CONSERVATION DISTRICT GOVERNMENTAL FUNDS REVENUES, EXPENDITURES AND CHANGES IN NET POSITION - BUDGET TO ACTUAL

FOR THE YEAR ENDED SEPTEMBER 30, 2015

	General Fund			VARIANCE	
	ADOPTED	AMEND-	FINAL		Positive
	BUDGET	MENTS	BUDGET	ACTUAL	(Negative)
REVENUES					
Property taxes	\$ 628,456	-	\$ 628,456	\$ 609,566	\$ (18,890)
Application fee	20,000	-	20,000	17,000	(3,000)
Transport fee	1,000	<u></u>	1,000	494	(506)
Interest	500	-	500	586	86
Other income (expense)		-			_
Total revenues	649,956	_	649,956	627,646	(22,310)
EXPENDITURES					
Administrative expenses	87,176	(15,117)	72,059	46,090	25,969
Compensation and benefits	210,845	·	210,845	206,055	4,790
Clearwater studies	147,650	8,824	156,474	128,517	27,957
Educational outreach/marketing	14,500	-	14,500	8,840	5,660
Spring flow gage	16,000	(550)	15,450	15,450	_
Computer systems	27,800	-	27,800	25,048	2,752
Legal fees	61,000	1,198	62,198	61,274	924
Reserve for uncollected taxes*	20,000	-	20,000	-	20,000
Other operating expenses	41,300	5,676	46,976	41,424	5,552
Depreciation	-	_	-	22,364	(22,364)
Capital expenditures*	-	-	-	-	-
Net loss of capital assets	-	-	-	-	
Facility costs	12,085	(31)	12,054	10,730	1,324
Utilities	11,600	_	11,600	8,267	3,333
Total expenditures	649,956		649,956	574,059	75,897
Excess (deficiency) of revenues					
over expenditures	-			53,587	53,587
Change in net position				53,587	
NET POSITION					
Beginning of fiscal year				989,632	
End of fiscal year				1,043,219	
* Budget reserves for balance				,	
sheet items	00.000		20.000	24 244	(1.241)
Reserve for uncollected taxes* Capital expenditures*	20,000 -		20,000	21,241 	(1,241)

CLEARWATER UNDERGROUND WATER CONSERVATION DISTRICT SCHEDULE OF GENERAL FUND EXPENDITURES FOR THE YEAR ENDED SEPTEMBER 30, 2015

Current

Compensation and benefits (Number of persons employed by the District: 2 Full-time, 1 - Part-time, 1 - Intern)	\$ 206,055	
Professional Services Auditing Legal	5,000 68,781	
Clearwater studies	128,517	
Utilities	8,267	
Facility costs	10,731	
Administrative expenses (including director fees)	41,090	
Capital outlay Acquisition of capital assets Net loss of capital assets (theft)	-	
Educational outreach/marketing	8,840	
Computer systems	25,048	
Other operating expenses	49,366	
Other expenditures	 _	
TOTAL	\$ 551,695	(see page 8)

CLEARWATER UNDERGROUND WATER CONSERVATION DISTRICT SCHEDULE OF TEMPORARY INVESTMENTS

FOR THE YEAR ENDED SEPTEMBER 30, 2015

Governmental Funds	Pool / Type	Interest Rate	Maturity Date	Balance at End of Yea
General Fund Local Government Investment Pools				
TexPool	449	0.0281%	Demand	\$ 311,94
TexPool - Prime	590	0.0476%	Demand	311,89
TOTA	L			623,84
Other accounts First State Bank of Centra Texas - Operations Account	al Transaction	N/A	Demand	
TOTA	_			
TOTAL ALL ACCOUNTS	5			\$ 623,84

CLEARWATER UNDERGROUND WATER CONSERVATION DISTRICT ANALYSIS OF TAXES LEVIED AND RECEIVABLE

FOR THE YEAR ENDED SEPTEMBER 30, 2015

	•	Maintenance Taxes			
Taxes receivable at October 1, 2014 2014 Original tax roll, net	\$	20,564 610,243			
Total to be accounted for		630,807			
Tax Collections: Current year Prior years		(602,514) (7,052)			
Total collections		(609,566)			
Taxes receivable, September 30, 2015	\$	21,241			
Taxes receivable by years: 2008 and years prior to 2009 2010 2011 2012 2013 2014	\$	5,135 1,184 1,461 1,656 2,073 3,159 6,573			
Taxes receivable, September 30, 2015	\$	21,241			
		2014		2013	 2012
Property Valuations	\$	15,564,029,000	\$ 14,	848,548,113	\$ 14,184,232,178
Tax rates per \$100 valuation:					
Debt service tax rates		N/A		N/A	N/A
Maintenance tax rates		0.004		0.004	0.004
Total tax rates per \$100 valuation:		0.004		0.004	 0.004
Gross Original tax levy	\$	622,561	\$	593,957	\$ 567,384
Percent of taxes collected to taxes levied**		97.91%		102.63%	102.79%

^{**} Calculated as taxes collected from current and previous years divided by the original tax levy.

CLEARWATER UNDERGROUND WATER CONSERVATION DISTRICT SCHEDULE OF BOARD MEMBERS, CONSULTANTS, AND KEY PERSONNEL **SEPTEMBER 30, 2015**

Complete District Mailing Address:

PO Box 1989, Belton, TX 76513

District Business Telephone Number: (254) 933-0120

Submission Date of the most recent District Registration Form:

N/A

(TWC Sections 36.054 and 49.054)

Limit on Fees of Office that a Director may receive during a fiscal year:

\$9,000

(TWC Section 36.060)

Fee: \$150 per day while on District busines

Name and addresses	Precinct and Terms of Office 4-year terms	Fees Paid as of 09/30/2015	Expense Reimbursement	Title as of 09/30/2015	Property owner within the District
Board Members Leland Gersbach 7872 Hackberry Holland, TX 76534	Precinct 1 2012 to 2016	Waived	-	President	Yes
Bill Bartlett 1530 Rose Lane PO Box 183 Salado, TX 76571	Precinct 2 2014 to Dec, 2015	\$450	-	Director	Yes
Gary Young 1314 Creek View, Salado, TX 76571	Precinct 2 Dec. 2015 to 2018	\$2,100	\$138	Director	Yes
Wallace Biskup PO Box 265 Troy, TX 76579	Precinct 3 2012 to 2016	\$2,550	\$138	Vice President	Yes
Judy Parker 1235 River Ridge Ranch Road Killeen, TX	Precinct 4 2014 to 2018	\$4,800	-	Secretary	Yes
David Cole 2401 Brown Circle Killeen, TX 76543	At-Large 2014 to 2018	\$2,850	\$193	Director	Yes
Consultants Lloyd Gosselink Attorneys at Law 816 Congress Ave Suite 1900 Austin, TX 78701- 4071	N/A	\$68,926	N/A	Attorney	N/A
Alton D Thiele, P.C. P.O. Box 808 Belton, TX 76513	N/A	\$5,000	N/A	Auditor	N/A
Key Personnel Dirk Aaron Shelly Chapman Todd Strait	N/A N/A N/A	\$72,000 \$43,000 \$37,480		District Manager District Administr District Education Support Tech	



Well Registration Totals

0 66	11	42	17	108	842	4076	Totals
•	0	11	0	0	39	16	Total 2015
0 1	0	0	0	0	1	0	Dec
0 3	0	0	0	0	2	1	Nov
0 8	0	1	0	0	5	2	Oct
0 18	0	9	0	0	6	3	Sept
0 7	0	1	0	0	6	0	Aug
0 3	0	0	0	0	3	0	July
0 2	0	0	0	0	2	0	June
0 3	0	0	0	0	3	0	May
0 7	0	0	0	0	7	0	Apr
0 3	0	0	0	0	0	3	Mar
0 6	0	0	0	0	1	5	Feb
0 5	0	0	0	0	3	2	2015-Jan
35 5070	16	31	17	108	803	4060	2002-2014
Envr	Water	Class 2	Class 1	Grandfathered	New	Grandfathered	
Monitor Wells Total	Moni		Non-Exempt Wells	Non	Exempt Wells	Exen	Year

Adjustments

4932	20	16	38	16	95	795	3952	Totals
-180	-15	0	-1	-1	-13	-26	-124	Plugged
-24	0	0	-3	0	N/A	-21	N/A	Never Drilled
5136	35	16	42	17	108	842	4076	2002-Present
	Envr	Water	Class 2	Class 1	Grandfathered	New	Grandfathered	
Total	r Wells	Monito		Non-Exempt Wells	Non	Exempt Wells	Exen	Adjustment Type



Totals:	N2-02-037G	N2-02-002G		N2-10-006P	N2-04-008G	N2-04-007G	N2-04-006G	N2-04-004G	N2-04-003G	N2-04-002G	N2-04-001G	N2-04-005G	200	0000-20-281	N2-02-008G	N2-02-007G	N2-02-006G	N2-02-005G	N2-02-004G	N2-02-003G	N2-02-011G	N2-02-010G		N1-07-005P	N1-10-001P	N1-13-002P	N2-04-017G	N2-15-012P	N2-15-011P	N2-15-010P	N2-15-009P	N2-15-008P	N2-15-007P	N2-15-006P	N2-15-005P	N2-15-004P	N1-07-001P	N2-09-004G	N2-03-004G	N2-07-005G	N1-09-004P	N2-09-002P	N2-08-004P	N2-10-002P	N2-11-005P	N2-10-007P	N1-14-001P	N2-11-004P	N2-07-010G	N2-02-016G		N2-03-005P	N2-02-042G	N2-02-041G		N2-06-002G	N2-08-001G		File No.
		5804623											ı	30040Z0	5804510	5804509	5804621	5804508	5804604	5804602	5804513	5804512																	5804627									5804631					5804811	5804808			ı		State #
	Stagecoach (spring)	Stagecoach (deep)	Stagecoach Inn	Schwertner Farms Little D.	Schwertner Farms ES #3	Schwertner Farms ES #2	Schwertner Farms ES #1	Schwertner Farms Eastland W.	Schwertner Farms CCL #3	Schwertner Farms CCL #2	Schwertner Farms CCL #1	Schwertner Farms Blackwell	Schwertner Farms	Calado WOO (#1)	Salado WSC (#5)	Salado WSC (#5)	Salado WSC (#4)	Salado WSC (#3)	Salado WSC (#2)	Salado WSC (#1)	7KX Ranch (#9)	7KX Ranch (#8)	Salado WSC	Suarez, Patricia	Stone, Kenneth	Stone, Janet	Sonic of Saladc	Scott Law Well #9	Scott Law Well #8	Scott Law Well #7	Scott Law Well #6	Scott Law Well #5	Scott Law Well #4	Scott Law Well #3	Scott Law Well #2	Scott Law Well #1	Schnitker, James	Salado UMC	Salado ISD (MS)	RLF Salado Quarries (Office)	Perez, Domingo	O. W. Lowery	Lonnie Sherman	James Construction	James & Terry Roston	Goode lowing	Duerr, Karen	Charles Broeker	Bloomer Mfg.	Arthur. W. Capps	Not Aggregated	JSWSC (Prairie Dell 8)	JSWSC (Prairie Dell 5)	JSWSC (Prairie Dell 2)	Jarrell-Schwertner WSC	Chick Landscaping Well #2	Chick Landscaping Well #1	Chick andscaning	Name
2,209.70			35.30										328.90										1,472.30																1.50											70.50	72.00			001.20	301.20		0.00		Hist. Permit C
298.36			7.02										74.05										36.99	0.38	0.57	0.34	0.86	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	1.84	1.86		3.91	0.53	1.84	1.10	0.96	1.66	0.05	0.27	0.99	2.07		25.01			100.00	153.00		67.7	229	Oper. I
2,508.06			42.32										402.95										1,509.29	0.38	0.57	0.34	0.86	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	1.84	1.86	1.50	3.91	0.53	1.84	1.10	0.96	1.50	0.05	0.27	0.99	2.07	70.50	97.01			101.10	454.20		67.7		Total Permit
34,825,406	0	348,100	348,100	411,927	646,068	0	98,460	298,542	690,082	690,082	690,082	289,034	3,814,277	c	11,025,000	4,232,000	0	0	0	1,000	5,702,000	0	20,960,000	10,333	15,445	9,233	0	0	0	0	0	0	0	0	0	0	50,000	15,670	9,720	3,210	14,416	0	0	2,480	900	10 200 0	7,331	0	5,373	90,000	244,444	1,589,284	4,175,069	3,691,832	9.456.185	1,200	1,400	2 400	<u>Jan</u>
32,120,524	0	421,100	421,100	380,324	433,517	0	104,087	253,232	1,023,666	1,023,666	1,023,666	216,767	4,458,925	40,000	10,306,000	3,319,000	20,000	2,000	0	7,000	4,999,000	8,000	18,706,000	10,333	15,445	9,233	0	0	0	0	0	0	0	0	0	0	50,000	18,000	9,720	6,820	14,416	0	0	1,590	600	10 222	7,331	0	5,635	90,000	249,626	1,268,444	3,999,922	3,014,107	8.282.473	1,200	1,400	3 400	Feb
36,630,823	0	463,100	463,100	415,021	574,957	0	100,432	246,500	1,279,138	1,279,138	1,279,138	244,341	5,418,665	30,000	12,596,000	3,937,000	0	0	0	0	4,702,000	0	21,273,000	10,333	15,445	9,233	452	0	0	0	0	0	0	0	0	0	50,000	10,270	9,720	2,630	14,416	9,876	0	2,700	500	10.222	7,331	0	6,497	90,000	249,806	1,975,210	3,338,678	3,909,964	9.223.852	1,200	1,400	2 400	Mar
40,971,827	0	478,700	478,700	393,210	610,470	0	82,599	246,500	839,325	839,325	839,325	250,036	4,100,790	190,000	190,000	6,086,000	11,000	939,000	0	0	5,397,000	0	28,077,000	10,333	15,445	9,233	0	0	0	0	0	0	0	0	0	0	50,000	47,100	9,720	5,580	14,416	14,111	0	2,700	800	10 222	7,331	0	9,008	90,000	296,127	1,632,559	3,575,784	2,808,467	8.016.810	1,200	1,400	2 400	<u>Apr</u>
37,254,829	0	609,400	609,400	412,464	644,283	0	138,750	255,068	930,268	930,268	930,268	309,706	4,551,075	011,000	13,446,000	3,958,000	47,000	1,171,000	0	4,000	4,426,000	10,000	23,733,000	10,333	15,445	9,233	0	0	0	0	0	0	0	0	0	0	50,000	53,470	9,720	2,730	14,416	989	0	2.700	900	140	7,331	0	9,600	90,000	287,340	1,482,703	4,093,303	2,495,608	8.071.614	1,200	1,400	2 400	May
44,662,374	0	439,100	439,100	438,821	627,606	0	107,878	299,897	1,010,205	1,010,205	1,010,205	312,/32	4,817,549	02,000	14,532,000			7,998,000	0	17,000	1,495,000	990,000	32,062,000	10,333	15,445	9,233	0	0	0	0	0	0	0	0	0	0	50,000	58,770	9,720	3,150	14,416	15,322	0	2,146	100	80	7,331	25,000	4,622	90,000	326,001	1,342,004	3,576,905	2,096,415	7.015.324	1,200	1,400	3 400	<u>an F</u>
70,393,808	0	354,900	354,900	498,678	841,592	904,247	123,467	317,594	1,347,020	1,347,020	1,347,020	323,340	7,049,978	1,202,000		13,920,000		10,375,000	0	295,000	0	7,308,000	54,234,000	10,333	15,445	9,233	0	0	0	0	0	0	0	0	0	0	50,000	56,485	9,720	1,800	14,416	22,182	50	2,885	333	0 000	7,331	25,000	14,164	90,000	339,710	1,617,079	3,818,423	2,977,318	8.412.820	1,200	1,400	2 400	<u>luL</u>
80,675,284	0	410,900	410,900	526,048	759,594	921,179	116,667	270,929	1,035,942	1,035,942	1,035,942	295,086	5,997,329	S,402,000	3 482 000	15,481,000	9,990,000	5,066,000	0	738,000	0	11,548,000	63,614,000	10,333	15,445	9,233	267	0	0	0	0	0	0	0	0	0	50,000	56,485	9,720	1,290	14,416	21,754	0	2,885	333	50	7,331	25,000	22,522	90,000	347,397	1,924,532	4,952,915	3,425,811	10.303.258	1,200	1,400	2 400	Aug
65,866,938	0	348,900	348,900	459,298	479,621	837,148	96,556	264,792	1,200,751	1,200,751	1,200,751	265,404	6,005,072	1,000,000	1 035 000	15,358,000	7,638,000	3,268,000	0	78,000	0	6,276,000	48,921,000	10,333	15,445	9,233	2,053	0	0	0	0	0	0	0	0	0	50,000	54,810	9,720	1,940	14,416	18,332	0	2,885	10,333	140	7,331	25,000	22,439	90,000	344,743	1,777,803	4,820,186	3,646,834	10.244.823	1,200	1,400	2 400	Sep
52,488,635	0	430,800	430,800	0	0	0	0	0	0	0	0		. 0	021,000	15,585,000	13,414,000	7,207,000	2,319,000	0	18,000	0	4,052,000	43,222,000	10,333	15,445	9,233	1,593	0	0	0	0	0	0	0	0	0	50,000	106,720	9,720	1,870	14,416	17,222	0	3.014	700	022	7,331	10,000	25,863	90,000	384,013	2,056,277	4,237,693	2,155,452	8.449.422	1,200	1 200	2 400	<u>Oct</u>
28,731,191	0	243,600	243,600	0	0	0	0	0	0	0	. 0		0		8,740,000	2,054,000	4,695,000	0	0	0	5,239,000	3,000	20,731,000	10,333	15,445	9,233	2,115	0	0	0	0	0	0	0	0	0	50,000	15,860	9,720	2,060	14,416	12,349	0	0	750	260	7,331	10,000	18,066	90,000	278,271	1,139,864	3,624,533	2,711,523	7.475.920	1,200	1,400	3 400	Nov
28,066,876	0	381,900	381,900	0	0	0	0	0	0	0			. 0		1,727,000	3,721,000	8,651,000	4,000	0	0	5,777,000	0	19,880,000	10,333	15,445	9,233	2,493	0	0	0	0	0	0	0	0	0	50,000	2,620	9,720	1,560	14,416	0	0	0	750	290	7,331	0	10,610	90,000	235,134	1,268,869	3,578,278	2,720,295	7.567.442	1,200	1 200	2 400	Dec
552,688,515	0	4,930,500	4,930,500	3,935,791	5,617,708	2,662,574	968,896	2,453,054	9,356,397	9,356,397	9,356,397	2,506,446	46,213,660	1,402,000	7 452 000	91,582,000	43,238,000	31,142,000	0	1,158,000	37,737,000	30,195,000	395,413,000	123,996	185,340	110,796	8,973	0	0	0	0	0	0	0	0	0	600,000	496,260	116,640	34,640	172,992	132,137	50	25,985	6 999	1,437	87,972	120,000	154,399	1,080,000	3,582,612	19,074,628	47,791,689	35,653,626	102.519.943	14,400	14 400	28 800	IX OIX
1,696.12	0.00	15.13	15.13	12.08	17.24	8.17	2.97	7.53	28.71	28.71	28.71	7.69	141.81	10.33	22 97	281.06	132.69	95.57	0.00	3.55	115.81	92.67	1,213.48	0.38	0.57		0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		1.84						0.00	0.08			0.27	0.37	0.47	3.31	10.99	58.54	146.67	109.42	314.63	0.04	0.08	80.0	YTD ac-ft %
67.63%	0.00%	35.75%	35.75%	3.00%	4.28%	2.03%	0.74%	1.87%	7.12%	7.12%	7.12%	1.91%	35.19%	0/ 70.	31.09%	18.62%	8.79%	6.33%	0.00%	0.24%	7.67%	6.14%	80.40%	100.00%	100.00%	100.00%	3.49%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%	81.72%	24.00%	2.81%	100.00%	22.28%	0.00%	8.33%	1 20%	0.00%	100.00%	37.37%	22.71%	4.70%		12.89%	32.29%	24.09%	69.27%	1.75%	1 75%	3 49%	% Permit

Acre-Feet

2015 Monthly Production (gallons)

% Permit	13.03%	0.79%	12.24%	75.21%	29.16%	21.03%	10.70%	10.33%	1.41%	1.05%	0.18%	0.18%	35.50%	35.35%	0.10	17.37%	17.28%	0.08%		100.00%	16.47%	47.42%	0.00%	6.15%	%00.0	%00.0	0.00%	18.89%	%00.00L	0.00%	0.00%	1.45%	45.77%	30.53%	40.99%	100.00%	19.24% GR F0%	31.25%	3.86%	2.65%	6.81%	00.00	42.65%	0.00%	0.09%	100.00%	0.00%	63.67%	0.68%	3.47%	10.86%	108.16%	89.22%	18.93%	23.47%
YTD ac-ft	63.58	3.87	29.7.	197.21	76.47	38.81	19.75	19.06	98.0	0.64	0.11	0.11	14.20	14.14	0.00	35.69	35.52	71.0	336.83	98.0	1.92	13.61	0.00	0.08	0.00	0.00	0.00	4.15 5.15 5.15 5.15 5.15 5.15 5.15 5.15	69.1	00:0	0.00	1.06	5.62	10.99	6.57	0.67	2.3/	50.0	1.93	0.98	0.94	0.0	LL./	00.0	0.02	1.57	0.0	17.61	25.0	0.26	0.34	132.35	109.18	23.17	819.53
X	20,719,240	1,262,240	19,457,000	64,260,900	39,344,000	12.647.000	6,435,000	6,212,000	282,400	209,700	37,200	35,500	4,626,000	4,608,000	000,81	11,630,000	11,575,000	000,88	109,757,555	288,000	29 735 000	4.434.300	•	25,094	0	0	0	13,572,892	517,440			345,590	1,832,600	3,579,600	2,141,432	219,000	70.355.700	15 293	630,182	319,910	306,055	950	2,315,400	207,201	5,256	513,192	0	25,290,000	1,449,490	83,406	109,770	43,126,200	35,576,400	7,549,800	267,049,295
Dec	883,080	80	000,000	2,711,100	222.100	649.000	82,000	267,000	19,700	17,000	1,500	1,200	414,000	414,000	>	52,000	52,000	0	4,855,179	24,000	2 531 000	376.400	0	0	0	0 1	0 000	43 430	43,120	0	0	0	0	0	95,162	18,250	310	870	30,759	49,310	12,770	0 0	0 00 91	0,021	0	42,766	0 (0 0 0 0 0 0 0	0471	·	7,200	3.392,900	1,592,000	1,800,900	12,976,959
Nov	1,680,480	28,480	1,002,000	5,528,300	2.857.300	284.000	193,000	91,000	16,500	13,000	2,200	1,300	342,000	342,000	0	459,000	453,000	0000	3,156,342	24,000	0 0	211.200	0	0	0	0	4 445 000	1,145,900	43,120	0	0	0	1,300	0	317,000	18,250	907 300	1 423	61,960	0	7,920	0 0 0 0 0 0	16,021	0,02	-	42,766	0 6	0 0	00,,00	- c	12,300	3,226,400	1,511,500	1,714,900	14,693,022
ö	2,766,080	208,080	7,330,000	8,419,700	3,627,000	1.905.000	1,086,000	819,000	22,800	18,000	3,500	1,300	396,000	396,000		2,320,000	2,309,000	000,11	12,075,392	24,000	2 894 000	192.400	0	1,068	0	0	0 000 000 7	1,488,300	43,120	0	0	0	153,700	0	141,600	18,250	2 530 100	1.380	0	0	39,880	150	291,490	0	2	42,766	0	3,690,000	0.6,211	26.739	9,500	3,465,000	1,620,400	1,844,600	31,369,972
Sep	3,087,700	274,700	2,013,000	8,736,500	4.641.500	3,184,000	2, 101,000	1,083,000	25,700	1,200	3,500	21,000	396,000	396,000		2,490,000	2,484,000	0000	15,032,311	24,000	3.845,000	553.000	0	1,780	0	0	4 450 200	1,456,300	43,120	0	0	73,010	228,250	1,088,400	134,000	18,250	3 068 700	1 050	74,990	0	25,000	250	16 001	0	77	42,766	0	3,780,000	066'061	6.001	16,200	5,619,800	3,430,400	2,189,400	38,572,011
Aug	2,676,300	316,300	2,300,000	9,338,800	3.631.800	3.071.000	2,081,000	000'066	15,500	12,000	2,000	1,500	378,000	378,000	>	4,036,000	4,030,000	000'9	17,234,515	24,000	3 125 000	751.800	0	4,709	0	0	4 475 400	1,475,100	43,120	0	0	130,840	341,800	640,750	261,400	18,250	3 949 100	2,260	86,922	0	27,950	300	464,070	0,01	1,157	42,766	0	5,220,000	0+6'067	18,285	21,000	4.079.500	4,079,500	0	40,829,615
퓌	891,100	83,100	000,000	4,734,900	523.900	832.000	211,000	621,000	52,500	47,000	4,000	1,500	414,000	414,000	0	2,123,000	2,117,000	000,0	13,150,051	24,000	1 720 000	354.100	0	6,007	0	0	0 000	1,414,300	43,120	0	0	0	30,825	640,750	287,270	18,250	0343,600	1 410	72,833	0	40,000	200	16 034	0,00	1,831	42,766	0	000'086'6	007'007	14.863	11,670	3,690,900	3,690,900	0	25,888,451
ul/	1,610,700	220,700	000,086,1	2,715,800	1.800	554.000	137,000	417,000	19,500	14,000	4,000	1,500	369,000	360,000	0000'6	0,00,6	0 00	000,6	8,979,081	24,000	2.535.000	371.800	0	6,287	0	0	0 0 7 4 7 7 0 0	1,161,100	43,120	0	0	54,470	43,350	0	350,000	18,250	1 270 700	780	64,502	6,100	40,000	e e	0 00 91	0,00	1,447	42,766	0	2,700,000	000,06	5,130	7,400	3,068,900	3,068,900	0	17,321,981
May	1,327,400	130,400	1, 197,000	1,829,800	1,828,000	405,000	138,000	267,000	8,200	3,500	3,500	1,200	378,000	378,000		26,000	13,000	000,51	5,928,006	24,000	719'07	263.100	0	3,643	0	0	1 460 400	1,163,100	43,120	0	0	0	104,125	0	376,000	18,250	1 007 200	002, 100,1	24,603	76,100	87,000	0 0	16.021	0	159	42,766	0	0 000	000,10	2.152	6,200	3,788,200	3,788,200	0	13,690,606
Apr	1,605,400	4 605 000	000,600,1	3,088,600	3,043,000	471.000	137,000	334,000	31,000	25,000	4,000	2,000	378,000	378,000		113,000	113,000	o	10,674,005	24,000	7 964 000	434.800	0	586	0	0	1 400 000	1,100,000	43,120	0	0	87,270	57,875	0	29,000	18,250	1 553 600	2.250	48,815	59,500	20,800	0 0 0 0 0	16,021	0	145	42,766	0	3,600,000	40.458	8,192	6,500	3,257,900	3,257,900	0	19,618,905
Mar	1,320,000	0 000 000	000,026,1	6,228,200	3.081,200	521.000	135,000	386,000	28,000	24,000	3,000	1,000	405,000	396,000	000'6	000'9	4,000	2,000	6,700,015	24,000	2 216 000	216.400	0	1,014	0	0	0 000	1,319,300	43,120	0	0	0	195,950	604,850	15,000	18,250	644 600	1400	64,131	71,800	2,166	20 500	16.034	0	37	42,766	0	720,000	40.458	2,041	3,700	2,905,100	2,905,100	0	18,113,315
Feb	1,469,000	0 000000	1,409,000	5,233,100	2.697.100	395.000	89,000	306,000	25,000	21,000	3,000	1,000	360,000	360,000		0	0 0	o	5,762,467	24,000	2 269 000	393.800	0	0	0	0	0 007	168,192	43,120	0	0	0	366,950	604,850	17,000	18,250	1 359 500	1,660	80,867	5,600	1,970	0	16,031	0	220	42,766	0	0 2400	04,740	0	4,000	2,670,700	2,670,700	0	15,915,267
Jan	1,402,000	0 000 000	1,402,000	5,696,100	2,422,100	376.000	45,000	331,000	18,000	14,000	3,000	1,000	396,000	396,000		- 4	0 0	o	6,210,191	24,000	3 086 000	315.500	0	0	0	0	0 02 002	793,500	43,120	0	0	0	308,475	0	88,000	18,250	1 064 100	810	19,800	51,500	299	0 000	16,020	0,01	180	42,766	0 (0 0	44,390	- 0	4,100	3,960,900	3,960,900	0	18,059,191
Total Permit	487.90		- 1	262.20		184.55	ı		06.09				40.00		-	205.50			2,12			28.70				158.40	139.40		726.00								12.32				13.80		16.67		21.41			=		7.50		12	ı		3,492.09
Oper. Permit	333.00			0.00		114.85			0.00				0.00			157.80			1,336.77	0.88	2160	8.00	00.09	1.30	1.16		40000	100.60	726.00	0.34	0.11	73.20	12.28	36.00	16.03	0.67	12.32	0.16	50.00	20.79	13.80	0.01	16.67	11.05	21.41	1.57	0.05	60.00	36.80	7.50	3.13	47.07			1,989.49
Hist. Permit	154.90			262.20		69.70			06.09				40.00			47.70			791.90		184 20	20.70				158.40	139.40	119.90									01 20	02:10		16.20								61.90				75.30			1,502.60
Name	Armstrong WSC	Armstrong WSC #1	Aimsuong wac #2	Bell Milam Falls WSC	Bell-Milam-Falls WSC (Bartlett, Bell-Milam-Falls WSC (Roders)	East Bell WSC	East Bell WSC #1	East Bell WSC #2	Leon River Turkey Farms	Leon River Turkey	Leon River Turkey (East)	Leon River Turkey (West)	Lhoist	LHoist#1	Li Marit	Moffat WSC	Morrat WSC #1	Morrar WSC #2	Not Aggregated	Advanced Electrical Systems	Apadre Stone Bell Co WCID #2	Bell Co. WCID #5	Cen. TX Vet. Hospital	Central Texas Strike Zone	City of Harker Heights	City of Holland	City of Rogers	City of Iroy #2	Doc Curb	Gehring, Laurie	Heffington, Larry	Jack Hilliard Dozer and Materials	James Construction	Killeen Crushed Stone	Kirby Stone	Kurzyniec, Johr	Langston, Kimberry	Maxdale Cowboy Church	Miller Springs Materials	Oenaville / Belfalls WSC	Parrie Haynes Ranch	Patriot Retreat	Pobortion Androis	Salado B.P. / Ronnie Tynes	Salado ISD (HS)	Smith, Ingo	Stagecoach (Spa)	Stagecoach/Mill Creek Inn	Texas Veterans Land Board	UMHB	VillasDelSol / John Hendersor	Pendleton WSC	Pendleton WSC (#1)	Pendleton WSC (#2)	
State #		5805202		2044400	5806601		4063501	5806301		5805403	4053301	4053302		4060101		00,000	4053406	4053507			5806102	4062801	4062401			5805901	5807701	4054503				5806201					4054801	1004001		4055701							5804624		40589				4054401	4054502	
File No.		N2-02-024G	MZ-10-01-ZN		N2-02-038G			N2-04-010P				N2-02-044G 4		N2-03-002G 4	D000-00-7N		N2-02-022G			N1-07-006P	N2-07-006G								N1-08-001P	N1-09-003P	N1-08-002P		N2-10-003P	N2-07-003G	N2-08-001P	N1-05-001P	N2-03-001P		N2-02-014G		N2-07-009G	N2-07-007G	NZ-09-005G	N2-05-004P	N2-08-002P			NZ-0Z-035G		N2-11-003G	N2-06-008P				Totals.

Acre-Feet

18.29%	105.63	34,417,598	53,795	55,918	3,633,406	5,333,965	6,291,518	4,434,842	3,082,039	45,107	2,489,723	2,625,172	1,487,487	4,884,626	577.54	305.74	271.80			Totals
0.00%	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0				Strasburger Farms (#6)		N2-02-029G
0.00%	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0				Strasburger Farms (#5)		N2-02-028G
0.00%	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0				Strasburger Farms (#4)		N2-02-027G
0.00%	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0				Strasburger Farms (#2)		N2-02-026G
0.00%	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0				Strasburger Farms (#16)		N2-02-033G
0.00%	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0				Strasburger Farms (#15)		N2-02-032G
0.00%	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0				Strasburger Farms (#11)		N2-02-031G
0.00%	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0				Strasburger Farms (#10)		N2-02-030G
	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	305.64	33.84	271.80	Strasburger Farms		
11.11%	0.02	6,900	300	1,000	700	700	500	300	1,100	500	600	300	900	c	0.18	0.18		i rio invesiments		N2-08-007G
1.21%	0.03	8,336	0	0	0	0	0	0	74	0	0	59	8,203	0	2.47	2.47		Temple TAG		N2-07-013G
100.00%	0.56	182,484	15,207	15,207	15,207	15,207	15,207	15,207	15,207	15,207	15,207	15,207	15,207	15,207		0.56		Spinn, Stephen		N1-04-001P
100.00%	0.55	180,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000		0.55		Rodriquez, Roy		N1-11-001P
7.60%	0.49	158,300	14,800	14,700	10,800	14,500	13,500	14,500	12,500	11,000	8,500	17,500	11,500	14,500		6.45		Misty Creek HOA		N2-06-007G
0.00%	0.00	•	0	0	0	0	0	0	0	0	0	0	0	0		100.00		Mikeska		N2-14-001G
7.48%	0.08	26,090	2,590	3,890	2,120	3,630	2,330	2,920	1,720	1,400	1,210	2,030	2,030	220		1.07		Golden / Ling		N2-08-005G
24.19%	0.15	48,402	5,898	6,121	5,213	6,135	4,927	4,213	6,019	2,000	5,321	850	900	805		0.62		Barking Oaks		N2-07-014P
	1.88	610,512	53,795	55,918	49,040	55,172	51,464	52,140	51,620	45,107	45,838	50,946	53,740	45,732	111.90	111.90	0.00	Not Aggregated		
20.04	į	i di con	•	c	-	1,000,000		1,000,000	100		1400		000,000	cioco:						
26.34%	42 15	13 734 638	0	0	1 368 576	1 889 938	2 378 715	1 335 991	1 042 725	0	749 458	716.873	586 533	3 665 829				Bradlev B Ware		N2-11-002G
38.50%	61.60	20,072,448	0	0	2,215,790	3,388,855	3,861,339	3,046,711	1,987,694	0	1,694,427	1,857,353	847,214	1,173,065				Bradley B. Ware		N2-11-001G
64.84%	103.75	33,807,086			3,584,366	5,278,793	6,240,054	4,382,702	3,030,419		2,443,885	2,574,226	1,433,747	4,838,894	160.00	160.00	0.00	Bradley Ware		
% Ferrill	T ID ac-II		Cerc	NOV	ģ	ogo	Aug	E		YEN	AU	Widi	Feb	G	Permit	Permit	nist. relilit	Maile	ordre #	TIE NO.
0/				Nov	2	000	A			Mari	A 22	Mar	Eab		Total	Par	Hint Domit	Name	9	



Clearwater UWCD Summary of Exempt Well Use Through December 2015

2,119	1,891,768	855	497,920	778	1,561	1,393,848	2,717	3,495	CUWCD Total
.26	825,335	347	309,760	484	578	515,575	500′1	1,489	Other
367	327,805	151	134,400	210	217	193,405	377	587	Alluvium
2	8,203	3	2,560	7	6	5,643	11	15	Kemp
42	37,292	16	14,720	23	25	22,572	44	67	Pecan Gap
105	93,434	35	31,360	49	70	62,074	121	170	Ozan
130	116,479	58	51,840	81	72	64,639	126	207	Austin Chalk
6	5,379	4	3,840	6	2	1,539	3	9	Lake Waco
25	22,679	12	10,880	17	13	11,799	23	40	Buda
240	214,063	67	60,160	94	172	153,903	300	394	Edwards Equivalent
438	391,265	92	81,920	128	347	309,345	603	731	Edwards BFZ
756	675,168	119	106,240	166	637	568,928	601′1	1,275	Trinity (Total)
67	59,494	9	7,680	12	58	51,814	101	113	Hosston (Lower Trinity)
363	323,776	35	31,360	49	328	292,416	570	619	Hensell (Middle Trinity)
327	291,898	75	67,200	105	252	224,698	438	543	Glen Rose (Upper Trinity)
Use Ac-ft/Year	Gallons/Day	Use Ac-ft/Year	Gallons/Day	Stock Wells	Ac-ft/Year	Gallons/Day	Domestic Wells	Exempt Wells	Aquifer
Total Estimated Exempt Well	Total Estimated Total Estima	Estimated Stock	Estimated Stock Use	Registered Number of	Estimated Domestic Use	Estimated Domestic Use	Registered Number of	Total Number of Registered	

Exempt well use estmate factors out all plugged, capped, monitor and inactive wells in the database. Domestic use estimate assumes 176.94 gallons/person per day (TWDB estimate of domestic use outside of a municipal water system) and 2.90 persons/houshold (U.S. Census - Bell County.average 2008-12)

Source of stock water estimates is Texas Agrilife Extension @ 18 gallons water per day per cow.

Livestock water use estimates are based on the 2011 TWDB Water Use Survey Historical Summary Estimates by County as of 12/26/13.

Trinity Aquifer wells registered with unknown depth are assigned to the Middle Trinity per Board decision.

The other designation is the total of minor aquifer and alluvium source designation of the exempt wells. The total registered exempt wells include all domestic wells, livestock wells, inactive wells and monitor wells with exempt status.

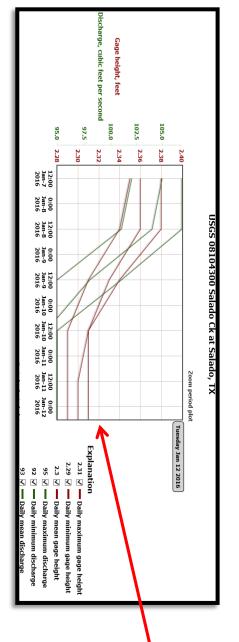




Edwards (BFZ) Aquifer		
100 ac-ft or 1.68 cfs per month	DFC Adopted * Minimum Spring Flow	DFC analysis over time (2000-Present) Modeled Available Groundwater
5867 ac-ft 01/13/2016 220 ac-ft 08/20/2014	Status of DFC ** Current / Low	r time <u>†</u> dwater
6,469	MAG Ac/ft***	
2,209.70	HEUP ac-ft	HEUP and Relative to the I
293.22	OP ac-ft	1 OP Per Modeled Ava
2,508.32	Total Permitted ac-ft	HEUP and OP Permit Analysis Relative to the Modeled Available Groundwater
<u>1,725.01 ac-ft</u> <u>68.93%</u>	2014 Actual Production	2015 YTD Prod. Jan-Dec 1,709.32 ac-ft 68.15%
3,135.68	Available for Permitting ac-ft	<u>Ре</u> Аррі
	**** Pending Applications ac-ft	<u>Pending</u> <u>Applications</u>
825	Exempt Well Reservation by layer	Exe Res
385	Exempt Well Use Estimation	Exempt Well Reservations
440	Available Exempt Use	

^{*}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

****No applications pending at this time.



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

Five day average for December 4^{th} – Dec 8^{th} is 95.6 CFS = 5687 ac-ft/month

Five day average for January 9^{th} – Dec 13^{th} is 98.6 CFS = 5867 ac-ft/month

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.

^{***}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. **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.

	Available Exempt Use	0	202	162	126	490
Exempt Well Reservations	2014 Exempt Well Use	Estimation	491	386	52	929
Exemp	Exempt Well Reservation Ac/ft	by layer	693	548	178	1419
<u>Pending</u> Applications	Pending Applications Acre ft (by layer)	0	0	0	.***	1945.00
<u>Pen</u> Applic	Available for Permitting Ac/ft	(by layer)	4.95	88.02	1997.94	2090.91
2015 YTD Prod. Jan-Dec 743.19 ac-ft 21.28%	2014 Actual Production	0	74.70	87.08	540.87	702.66 ac-ft (25.40%)
	pe					
HEUP and OP Permit Analysis Relative to the Modeled Available Groundwater	Total Permitted Ac/ft (by layer)	0	182.05	462.98	2847.06	3492.09
OP Perm	OP Ac/ft	0	120.15	203.68	1665.66	1989.49
HEUP and elative to the M	HEUP Ac/ft	0	61.90	259.30	1181.40	1502.60
7 8	MAG Ac/ft***	96	880	1099	4993	7068
time 	Current Trend DFC ** Average Drawdown	ft/year NA	0.58 ft 2000-15	0.67 ft 2000-15	3.67 ft 2000-15	
DFC analysis over time (2000-Present) Modeled Available Groundwater	DFC Adopted Average drawdown * (by layer)	AN	3.1 ft/yr 155 ft/50 yrs	5.72 ft/y 286 ft/50 yrs	6.38 ft/yr 319 ft/50 yrs	
DEC Moo	Trinity Aquifer	Paluxy	Glen Rose (upper)	Hensell (Middle)	Hosston (Lower)	Total

^{*}Desired Future Conditions (DFC) is the description of how the aquifer should look in the future (50 years).

^{**}Status of the DFC is the estimated drawdown of each Layer of the Trinity Aquifer, by Clearwater UWCD Staff, based on the years 2000-2015 and expressed as feet per year per layer. ***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 in the Hosston Layer (Lower) of the Trinity Aquifer (1945 acre feet)

Central Texas WSC Drilling Permit Well #2 (1695 ac/ft), City of Troy Drilling Permit Well #2 (250 ac/ft)



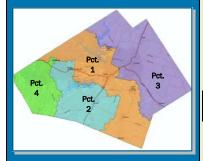
Clearwater Source

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Clearwater Precincts >>>



DIRECTORS & TERMS:

Leland Gersbach—Precinct 1 (President)

Gary Young—Precinct 2 (Director)

Wallace Biskup—Precinct 3 (Vice President)

Judy Parker—Precinct 4 (Secretary)

David Cole—At large (Director)

BELL COUNTY WATER SYMPOSIUM

November 19, 2015 CTCOG Building, 2180 N. Main St Belton, Texas

Preregistration requested, please call the office now to reserve a seat!

Call 254-933-0120

A MESSAGE FROM THE PRESIDENT

What a year this has been for our water! The year has seen our lake levels close to all-time lows and then in a matter of weeks being 14 feet above normal. We went from a dry first part of the year to have our total annual rainfall by the end of June. Today we have parts of Bell County in the three drought designations of moderate, severe and even extreme in the eastern part of the county. We have a prediction of a strong El Nino meaning a wetter than normal winter. This year has been a classic example of why we should conserve our precious water resources.

This past year has had your Clearwater staff more on a normal schedule. We con-

tinue to strive to obtain the science necessary to better understand and manage our two aquifers. The District also has a very aggressive education program to



work with area schools to educate our kids on conserving water. We can also provide a program on our District and aquifers to your club or organization, so keep us in mind if you need a very interesting program. Remember also that we provide

(Continued on page 5)

SALADO SALAMANDER UPDATE FOR 2015

The Texas Fish and Wildlife Conservation Office (TXFWCO) began monitoring the Salado salamander in February of 2015 to gather data on the distribution of salamanders within the Salado springs complex and on private property of the Robertson estate. While the main focus during this effort is to examine the distribution of salamanders within the spring complex, other tasks accomplished during the surveys include: occupancy estimations within the spring complex, measures of abundance for adults and juveniles, habitat associations within each site, habitat availability per site, contaminants within water, and surface recruitment of salamanders from subterranean environments. Other aspects related to the monitoring include information about the community of aquatic invertebrates within the aquifer.

The TXFWCO has been monitoring all five major springs near downtown and along the edge of Salado Creek, however salamanders have only been documented at two of these springs. Overall, salamanders have been detected at two historical localities (Big Boiling and the Robertson estate)



and one new locality for these salamanders, Anderson spring. Finding a salamander at this new locality highlights the connectivity of the springs along Salado Creek. Salamanders found during these surveys (n = 5) have been associated with gravel and cobble type substrates, with filamentous algae or *Ludwigia* sp. (aquatic plant). All salamanders detected during these surveys have been juvenile salamanders (< 25 mm).

Pete Diaz, Aquatic Biologist and Invertebrate Specialist with Texas Fish and Wildlife Conservation Office

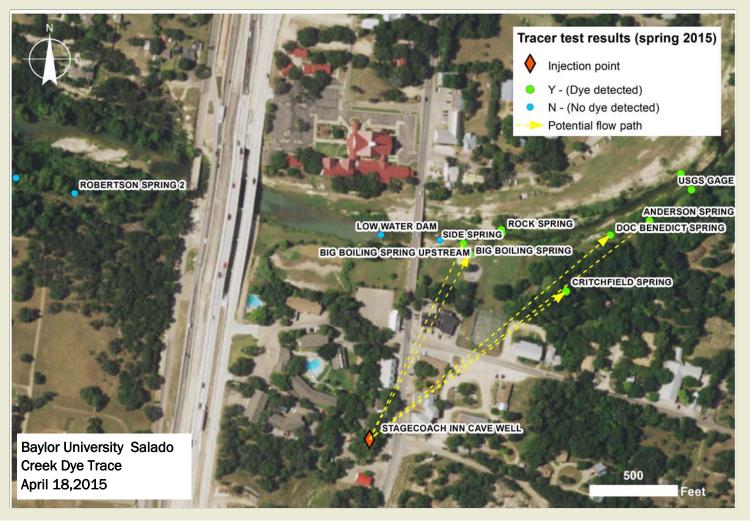
CONTRIBUTING TO THE "KNOWNS OF THE NORTHERN SEGMENT": THOUGHTS OF A STUDENT RESEARCHER

Historically, the Northern segment has been the least well-known part of the Edwards aquifer. Some can even make the case that it still is, compared to the body of research done on the Barton Springs and San Antonio segments. However, with monitoring and research efforts spear-headed by CUWCD and various collaborators, our understanding of the Northern Segment is increasing and improving.

I was first introduced to the Northern segment of the Edwards aguifer on a field trip in 2009 because some biologists were searching for Salado salamanders, tiny amphibians that lived solely in the shallow aquifer around Salado. Four years later, I was given the opportunity to study the Northern segment for my graduate research topic, and this area became my proverbial baby. Since then, the area has endured an Epic drought, gone through a federal listing process for the Salado salamander, and experienced recent spring storms that helped recharge the aquifer and drastically changed the Salado Creek that I have come to know over the last couple of years. This "baby" has certainly shown itself to be both endlessly fascinating and mindboggling because of its ever-changing and complex nature. Some highlights of my work with CUWCD include: the installation of equipment to monitor recharge events and groundwater responses to those events; conducting dye trace tests to confirm spring connectivity; and analyzing spring, stream, and well water for chemical constituents. We have been able to note that the aquifer level responds quickly while the chemistry of the water takes more time to change after a rain; confirm connectivity of all the springs in the Salado complex; and characterize properties of spring, stream, and well water in the Northern segment. Much of the data make sense to us, while other data leave us scratching our heads and excited about the prospect of discovering something new about the system. Another aspect that I greatly enjoy is conversing with our collaborators, landowners, and the interested public about what we do and why it's important.

With every field visit we make, every water sample we analyze, and every conversation we have, the Northern segment is becoming more "known". It is an exciting time to be working in the Northern segment of the Edwards aquifer. This research will be presented at the 2015 Bell County Groundwater Symposium.

Stephanie S. Wong, Doctoral Student, Hydrogeology Baylor University, Department of Geology



HYDROLOGIC ASSESSMENT OF THE HENSELL FORMATION

The Hensell Formation, also referred to as the Middle Trinity aquifer is highly valued for its water quality, productivity, and accessibility. The Middle Trinity aquifer is a member of the major aquifer system, the Trinity Aquifer. The focus of my research is a hydrologic assessment of the Hensell Formation to evaluate the aquifer's characteristics: storage, transmissivity, and general water chemistry.



The primary focus of this research analyzes historic water level data to assess (DFCs). This study focuses on areas, where wells are in clusters causing cones of depression. This research is analyzing the zones experiencing the largest water level declines, and making predictions regarding DFCs. Aquifer test simulation software, hydrographs, driller's reports and well logs are being used to calculate the hydraulic conductivity, and storage coefficient. The purpose of calculating these values is to better understand hydraulic properties of the aquifer. The conclusion details recommendations for implementing future management strategies for the Middle Trinity aquifer.

A secondary objective of this study addresses the problem of co-mingling between the brackish Upper Trinity water and freshwater in the Middle Trinity aguifer. By mapping the water chemistry of the study area, this research identifies areas with high concentrations of total dissolved solids (TDS) in the groundwater. Some data have been collected on the groundwater chemistry, but the data are sparse. A synoptic groundwater chemistry map is being constructed to get a snapshot of the regional groundwater quality. This is accomplished by analyzing ionic concentrations, total dissolved solids, pH, and other parameters relating to water chemistry. Problem areas with abnormally high sulfate concentrations, and TDS values are being identified and studied to determine if brackish Upper Trinity water is migrating into the Middle Trinity aguifer below. Additionally, this study looks at the possibility of natural migration pathways between the Upper Trinity and Middle Trinity aguifers. This research will be presented at the 2015 Bell County Groundwater Symposium.

Jim Tucker – Baylor University M.S. student is researching the Middle Trinity aquifer in Bell and McLennan County.

Join the District for the 15th Annual

Bell County Water Symposium

November 19, 2015 8:00 A.M. — 4:00P.M. This event is free but requires RSVP by November 13th.

Key Topics and Speakers

Groundwater Management Showcase (Joint Planning, Joint Efforts and Joint Respect)

Central Texas Groundwater Conservation District
Southern Trinity Groundwater Conservation District
Middle Trinity Groundwater Conservation District
Barton Springs/Edwards Aquifer Conservation District
High Plains Groundwater Conservation District
Clearwater Underground Water Conservation District

"Who are the GCD Across TX and What is their Story?"

Sarah Roundtree Schlessinger, Executive Director Texas Alliance of Groundwater Conservation Districts

Groundwater Case Law, Court Decisions, Affirmation of Groundwater Management:

Mike Gershon, Attorney, Lloyd Gosselink Rochelle and Townsend

"Desired Future Conditions" - The Process, The Rules, The Conclusions, Why Science Matters?

Mike Keester, Senior Hydrogeologist, LBG-Guyton Associates

"Water Supply & Demand"— Trends and Challenges for the Southwest:

Dr. Robert Mace, Deputy Executive Director, Texas Water Development Board

Texas Well Owner Network:

Drew Gholson, TWON Coordinator, Texas A&M AgriLife Extension

Trinity Aquifer Geo-Chemistry Investigation:

Chris Braun, US Geological Survey

Middle Trinity Aquifer Investigation:

Jim Tucker, Baylor University

Edwards Aquifer Geo-Chemistry Investigation:

Chris Braun, US Geological Survey

Edwards Aquifer Investigation of Springs and Recharge Features:

Stephanie Wong, Baylor University

Salado Salamander Investigation:

Pete Diaz, Texas Fish & Wildlife Conservation Office

Clearwater UWCD
LBG-Guyton Associates
HALFF Associates
Texas Well Owner Network

Lloyd-Gosselink Attorneys at Law Bell County Engineers Office Texas AgriLife Extension Service Baylor University, Geology Dept.

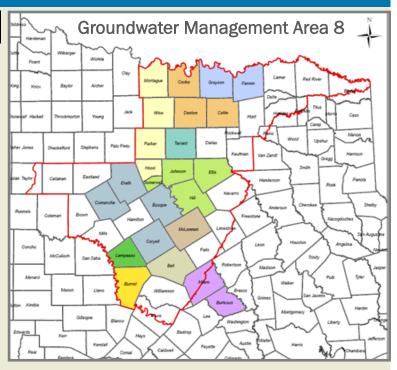
MANAGING OUR WATER

Groundwater Management Area 8 (GMA 8) is a management area created to assist Groundwater Conservation Districts in future planning for groundwater. 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 states objectives.

Region G Planning Group (commonly called Brazos G) stretches from the piney woods of Grimes County in the southeast to the rolling plains of Kent County in the northwest, the Brazos G Regional Water Planning Area includes all or parts of 37 counties. Over 90 percent of the region lies within the Brazos River Basin, with the Brazos River being the region's primary source of water. The largest economic sectors in the region are service, manufacturing, and retail trade. Major cities in the region include Abilene, Bryan, College Station, Killeen, Round Rock, Temple, and Waco.



Counties Represented in both Region G State Water Planning Group that are also in Groundwater Management Area 8 are Bell, Bosque, Comanche, Coryell, Erath, Falls, Hamilton, Hill, Hood, Johnson, Lampasas, Limestone, McLennan, Milam, and Williamson Counties.



DESIRED FUTURE CONDITIONS

Desired Future Conditions are defined in Title 31, Part 10. §356.10 (6) of the Texas Administrative Code as "the desired, quantified condition of groundwater resources (such as water levels, spring flows, or volumes) within a management area at one or more specified future times as defined by participating groundwater conservation districts within a groundwater management area as part of the joint planning process." The specified time extends through at least the period that includes the current planning period for the development of regional water plans pursuant to §16.053, Texas Water Code, or in perpetuity, as defined by participating groundwater conservation districts within a groundwater management area as part of the joint planning process. Desired future conditions have to be physically possible, individually and collectively, if different desired future conditions are stated for different geographic areas overlying an aquifer or subdivision of an aquifer.

Why does this matter? Because all groundwater districts, including Clearwater UWCD, must conduct joint planning within each of the 14 management areas to set the DFC every five years. Who pays for the effort to set new DFC's during the five year interval? Those who fund Districts at the local level are the ones paying for it. So, when the legislature is in session and there is a bill proposing significant changes to the DFC process, we watch closely because bills filed often create undue burdens through unfunded mandates to the local tax payers.

PRESIDENT'S MESSAGE (CONT.)

(Continued from page 1)

water quality screening on your well at no cost if it is registered with us. All you need to do is provide us a sample-we provide the bottle and instructions on obtaining an accurate sample.

You will be informed at our upcoming water symposium on the science done this year, so plan on attending this free conference that will be held on Thursday, November 19th. We will also be updating the public regarding the Salado Salamander and the new laws and rulings passed by the State and the Courts. Please call our office and make a reservation so we can have an accurate count for lunch. Until then, I'll see you at the water Symposium.

Leland Gersbach, President Clearwater UWCD

WELL REGISTRATION REPORT

Well Registration Summary '02 through '15 Exempts Wells Non-Exempt Wells Period Total Existing Existing New New 2002-2014 4,060 803 108 48 5,070 2015 10 22 0 4 36 4.070 825 108 52 5.106 Total

Non-exempt wells are capable of producing a large volume of groundwater (over 17 gallons per minute), located on less than 10 acres, or are used for purposes other than Domestic, Livestock, or Poultry. All other wells are "exempt".

PERMITTED WELL REPORT

	2015 We	II Produ	ction	
	Exempt	s Wells	Non-Exe	mpt Wells
Aquifer	Reserved Ac-Ft	Used Ac-Ft	Permits Ac-Ft	YTD Ac-Ft
Edwards (BFZ)	825	385	2,502.92	1,725.01
Trinity	1,419	929	2766.09	409.46
Other	749	751	577.54	77.73

What is an acre-foot of water? The amount of water needed to cover an acre one foot deep in water. (325,851.43 gallons)

MANAGEMENT CHALLENGES FOR SINGLE-COUNTY GROUNDWATER

Aquifer boundaries usually do not coincide with political boundaries. These conditions mean that single-county groundwater conservation districts (GCDs) like Clearwater Underground Water Conservation District (Clearwater) are hydrologically connected to groundwater in adjoining counties. Neighboring counties may have different management strategies for the same aquifer making it difficult to meet management goals such as Desired Future Conditions (DFCs). All GCDs are part of larger Groundwater Management Areas (GMAs) containing many counties and designed to coincide with major aquifer boundaries. GMAs are intended to provide management solutions for GCDs that manage aquifers across district boundaries. However, minor aquifer boundaries often cross GMA boundaries and the effectiveness of GMAs are often not always adequate.

Essentially there are three strategies single-county GWCDs can employ to preserve and protect their groundwater resources. One strategy is to be politically active. Political activity should include participation in the appropriate GMA and at the State level through the Texas Association of Groundwater Districts (TAGD). Another approach is proactive cooperation with adjacent GCDs. Although this may be possible through the GMA structure, sometimes it can be accomplished more effectively by working directly with an adjacent district with more similar interests. Finally, it is wise to develop monitoring systems and support research activities which can provide data helpful in negotiating decisions across political boundaries.

Clearwater shares the Lower and Middle Trinity aguifers with the Southern Trinity Groundwater Conservation District (Southern Trinity) to the north and shares the Edwards and Trinity aguifers with Williamson County to the south. Southern Trinity is a fellow member of GMA 8 but Williamson County does not have a GCD. Clearwater is politically active in GMA 8, TAGD, and the State legislature. Clearwater has been proactive in cooperative efforts with Southern Trinity exemplified by mutual support for Jim Tucker's research on the Middle Trinity aguifer in both Bell and McLennan counties. Clearwater has an active monitoring program and continues to support important research efforts through Baylor University, the USGS and the USFWS. Clearwater is a strong, single county groundwater conservation district that is currently poised to meet most challenges inherent to managing groundwater at the county level. However, Clearwater must continue its efforts if it is to meet future challenges.

> Joe C. Yelderman Jr. Ph. D., P.G. #2941 – Hydrogeology Professor, Baylor University, advisor to graduate students Jim Tucker and Stephanie Wong.

Mission Statement >>>

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

PUBLIC ADVISORY COMMITTEE

Tom Madden—Precinct 1

Henry Bunke—Precinct 2

Marvin Green—Precinct 3

Bradley Ware—Precinct 4

Bill Schumann —At Large

WATER QUALITY

The District's in house lab offers registered well owners free screening for common constituents and bacteria. Sample bottles are available in our office. Annual screen-

> join our facebook

> > fan page

E-MAIL CONTACT LIST

Contact the District office if you would like to be included in our e-mail list for agendas and press releases.



Clearwater UWCD P.O. Box 1989 700 Kennedy Court Belton, TX 76513

Phone: 254-933-0120 Fax: 254-933-8396 www.cuwcd.com (POSTAGE STAMP)

(NAME) (STREET) (CITY)

THE MANAGER'S COMMENTS

The Clearwater Underground Water Conservation District (CUWCD) was created in 1989 by the 71st Texas Legislature (HB 3172). Although the legislation authorizing the district passed in 1989, the district did not exist until it was confirmed by the voters of Bell County in an election held in August 1999. At that time, voters elected a board of five directors. Directors are elected by county precincts in staggered terms of 4 years. Funding for the district comes from ad valorem taxes at a current rate of \$.00395/ \$100 valuation (\$3.95 per year on a home valued at \$100,000). The current board of directors just recently lowered the tax rate. The district has never increased the tax rate since 2002. The message to the citizens in Bell County is that the Board of Directors expect me. as "General Manager" to be frugal, efficient, and correct in administering state groundwater law as we protect the resource and property rights.

The District's jurisdiction includes all of Bell County – approximately 1,055 square miles. There are two major aquifers located within the district, the Edwards (BFZ) Aquifer and the three layers of the Trinity Aquifer (upper, middle and lower). Currently, the District is funding in depth scientific research to understand the hydrogeology that makes the water flow in both of the major aquifer systems in the district. This information will continue to allow the district to make decisions on water availability.

The District is governed by Chapter 36 of the Texas Water Code (TWC). Chapter 36 states that groundwater districts are the preferred method for groundwater management. Chapter 36 gives the District the authority to issue permits and set regulations for managing the underground water resources. From this authority, the District has adopted Rules and Regulations and a Management Plan. The groundwater management system we currently have in most of Texas is a concept created by the legislative body that lays the groundwork for the creation of groundwater conservation districts, a template for management, with limits to a district's authority and is known as "Chapter 36, Texas Water Code".

Chapter 36 of the Texas Water Code can be found on our district website along with our District Management Plan, District Rules, and District By-Laws (http://www.cuwcd.org). Clear-

water is a complete open book on our website. Each legislative session since 2001, discussions have occurred and modification to Chapter 36 often happens. The most recent session "84th Texas Legislature in the spring of 2015" was no different. Good common sense prevailed this



session, even though we often have found very substantive changes with unfunded mandates.

Positive changes did occur in 2015 and are associated with the appeals process when setting new "desired future conditions (DFC's)" and the reestablishment of new "DFC's" every five years, with permit lengths, permitting process and renewals, as well as "aquifer storage and recovery". The "desired future condition" is a term defined in Texas groundwater law that means a quantitative description, adopted in accordance with Section 36.108, of the desired condition of the groundwater resources in a management area at one or more specified future times. This defines the "management focal point" of all groundwater districts. We have to permit to the DFC so that we can scientifically measure the health of the aguifer and sustain it for future generations. This challenge is not easy when a district must sustain the resource and allow production for beneficial use. It all revolves around science and common sense.

Our hope is that the citizens of Bell County appreciate the elected board of directors at Clearwater UWCD and their desire to protect the resource for future generations and still balance those decisions with property rights of all parties. Production is necessary to meet the current needs and uses by exempt domestic well owners as well as those large volume producers who are subject to the permitting rules and regulations of the district.

Dirk Aaron, General Manager Clearwater UWCD



CUWCD 2015 Education and Outreach Events

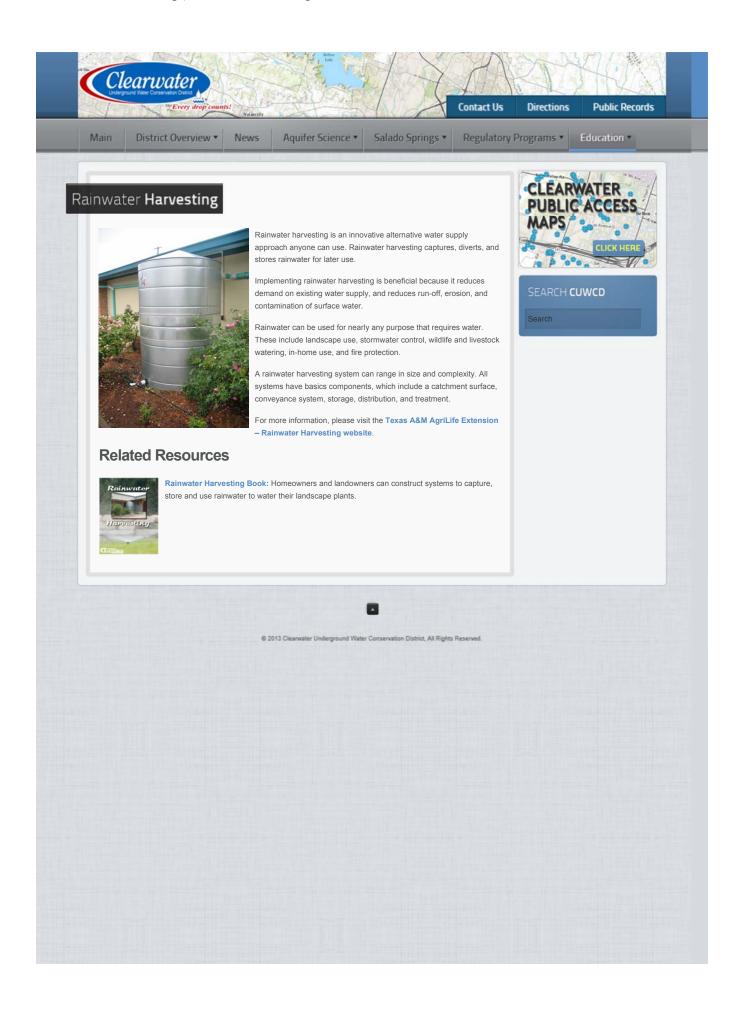
Date	People	Event Information	Presentation	Booth
1/5/15	30	Temple South Rotary Club	Х	
1/7/15	30	Temple Rotary Club	Х	
1/13/15	450	Texas A&M AgriLife Professional Grounds Keepers & Irrigators Conference		Х
1/20/15	150	Texas A&M AgriLife Crops & Livestock Conference		Х
1/28/15	126	KISD Career Fair	Х	
2/25/15	32	2015 Master Gardener Class	Х	
4/13/15	13	Master Naturalist Training	Χ	
4/16/15	650	Texas Master Gardeners State Conference (3 Days)		Χ
4/24/15	1,000	Skipcha Elementary's Earth Day Extravaganza	X	
5/14/15	100	Academy ISD 5 th Grade	Х	
6/18/15	20	Leadership Central Texas class	Χ	
6/25/15	25	Salado Area Republican Women's Meeting	Х	
7/29/15	80	Military 4-H Annual Water Boot Camp (Ralph Wilson)	Χ	
8/17/15	130	Military 4-H Annual Water Boot Camp (Fort Hood)	Х	
9/23/15	45	Rogers Afterschool Program	Х	
10/19/15	500	Annual Bell County Nature Fest		Χ
11/19/15	150	Annual Bell County Water Symposium	Χ	Χ
Total reach	3,531			

Appendix I

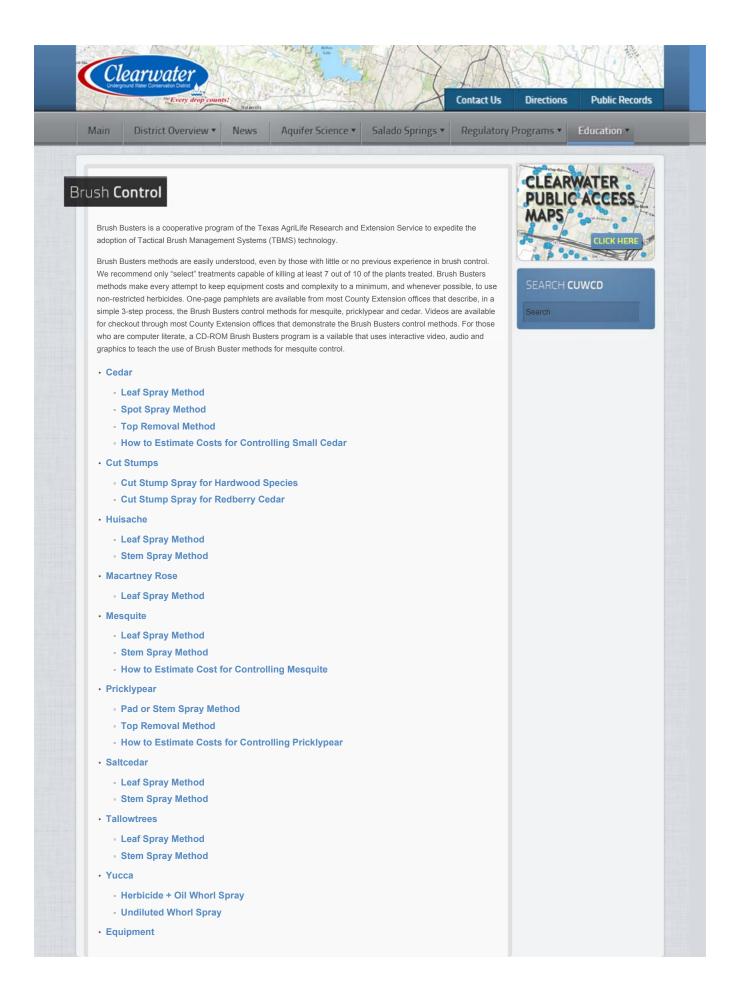
Results of Groundwater Samples in CUWCD Lab

			:	!	Depth	3	Coliform	Fecal	Alkalinity	Conductivity	Total Dissolved	Fluoride ⁴	Hardness	Nitrate	Nitrite	:	Phosphate	Sulfate ⁴
l est Date	District well # Lattitude	Lattitude	Longitude	Elevation	(ft)	Aquiter	Bacteria ³	Matter	(mg/L)	(µs/cm)	Solids (mg/L)	(mg/L)	(mg/L)	(mg/L)	_	P	(mg/L)	(mg/L)
FY15					ı													
10/20/2014	E-08-001P	30.945502	-97.346527	450.55	55	Alluvium	Absence	Absence	320	593	279	0.3	280	5.2	0.006	7.1	0.29	10
10/28/2014	E-14-039P	30.966388	-97.402444	550.38	830	Edwards (BFZ)	Not Tested	Not Tested	340	7620	4230	undetermined	540	3.9	0.005	7.5	0.42	1520
11/12/2014	E-03-334G	31.054776	-97.514034	736.67	unk	Edwards Equivalent	Absence	Absence	320	611	301	0.04	320	4	0.004	7.4	0.014	1
11/21/2014	E-04-063P	31.265555	-97.403611	682.27	1050	Middle Trinity	Not Tested	Not Tested	380	9260	4990	undetermined	400	0.06	0.01	7.6	0.14	2880
11/26/2014	E-03-431P	31.017429	-97.488286	555.38	6	Edwards Equivalent	Absence	Absence	1	525	398	0.5	1	1.13	0.5			10.4
11/26/2014	E-02-209G	31.019262	-97.487824	572.26	unk	Edwards Equivalent	Absence	Absence	1	525	316	0.87	1	2.4	0.1			22.2
12/12/2014	E-12-046P	31.079444	-97.527777	594.79	725	Middle Trinity	Not Tested	Not Tested	400	4030	2120	undetermined	260	0.6	0	7.6	0.11	41
12/9/2014	E-03-431P	31.017429	-97.488286	555.38	100	Edwards Equivalent	Absence	Absence	Not tested	525	338	0.05	Not tested	1.13	0.5	not te	te not tested	10.4
12/9/2014	E-02-209G	31.019262	-97.487824	572.26	100	Edwards Equivalent	Absence	Absence	Not tested	525	316	0.087	Not tested	2.4	0.1	not te	te not tested	22.2
1/29/2015	E-03-037G	30.96866	-97.804537	843	475	Middle Trinity	Absence	Absence	380	1290	651	undetermined	200	1.3	0.001	7.5	0.06	250
2/9/2015	E-02-1993P	30.925401	-97.606869	740.32	860	Middle Trinity	Absence	Absence	420	3110	1554	undetermined	340	0.9	0	7.6	0.11	1000
4/15/2015	N2-02-043G	31.231734	-97.403815	694.61	1081	Middle Trinity	Not Tested	Not Tested	260	10940	6040	undetermined	800	0.1	0	7.8	0.38	2560
5/28/2015	E-02-2208G	31.003375	-97.501035	580.08	107	Edwards (BFZ)	Presence	Absence	240	548	265	0.5	260	1.1	0.004	7.4	0.07	9
5/27/2015	E-14-039P	30.966388	-97.402444	550.38	830	Edwards (BFZ)	Not Tested	Not Tested	360	8870	4760	1.4	540	0	0	7.7	0.32	1640
5/27/2015	E-13-044P	30.943789	-97.495935	626.51	320	Edwards (BFZ)	Not Tested	Not Tested	340	2960	1517	Not Tested	580	undetermined	0	7.1	0.71	420
5/8/2015	E-02-072G	31.064351	-97.487527	665.58	700	Upper Trinity	Absence	Absence	320	939	416	undetermined	300	3	0	7.3	0.4	40
6/3/2015	N2-07-005G	30.886049	-97.70158	995.25	unk	Edwards (BFZ)	Presence	Absence	240	474	229	0.3	180	2.8	0.003	7.5	0.11	6
7/30/2015	N2-07-011G	30.942527	-97.537648	579.07	277	Upper Trinity	Not Tested	Not Tested	420	5830	3060	1.8	220	0	0.008	8.5	0.23	not tested
7/23/2015	E-02-1370G	30.822483	-97.412222	559.33	28	Alluvium	Absence	Absence	220	823	404	0.5	200	5.6	0	7.3	6.2	18
8/5/2015	E-04-063P	31.265555	-97.403611	682.27	1050	Middle Trinity	Not Tested	Not Tested	420	9040	4880	undetermined	520	1.4	0.001	7.7	0.15	2400
8/4/2015	E-06-059P	31.206074	-97.394972	674.48	1080	Middle Trinity	Not Tested	Not Tested	600	6480	3430	undetermined	340	0	0.006	7.7	0.16	1020
8/25/2015	E-02-1370G	30.822483	-97.412222	559.33	28	Alluvium	Presence	Presence	320	1094	541	0.06	360	6.9	0.17	7.4	0.19	45

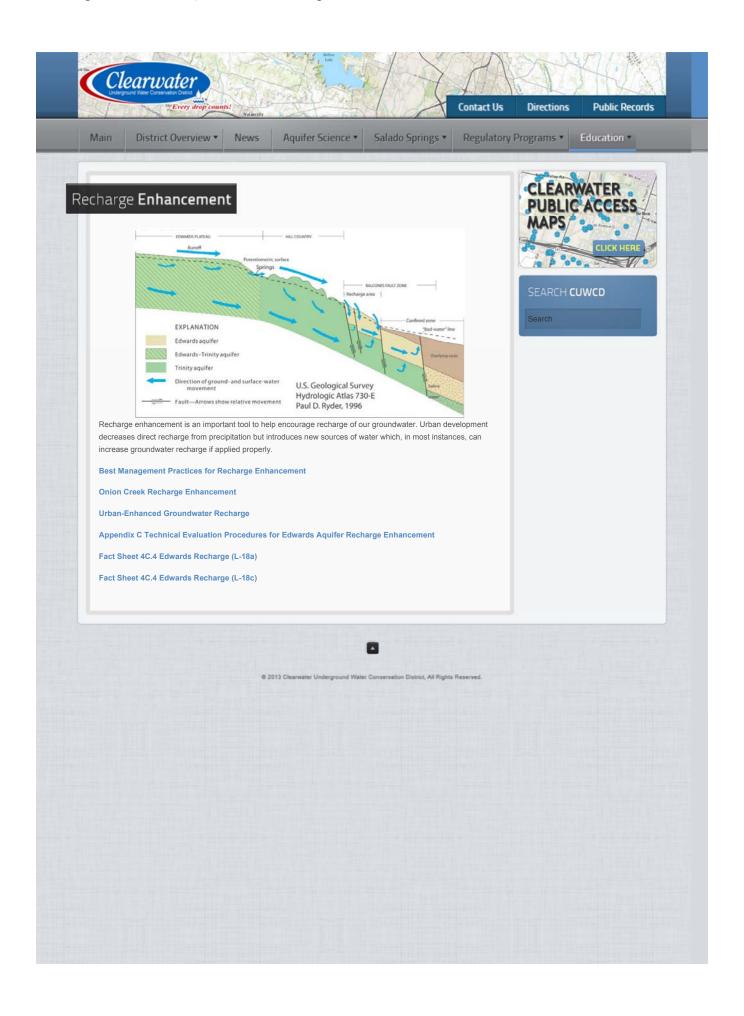
Appendix J















Clearwater UWCD - Upper Trinity Monitor Wells

Staff measures wells quarterly in order to closely monitor the aquifer levels as part of our statuatory responsibility. The Texas Water Development Board conducted some of the measurements, shown in red. The Texas Water Development Board provides information through publication of continuous monitoring data on the measurements of the TxDOT wells and an additional well in Salado, shown in red.

State # CUWCD #	40-57-902 E-02-721G	40-57-903 E-02-722G	E-02-804G	40-58-201 N2-09-006P									
Well Name	McCallum #1	McCallum #2	Dobson	CTC Campus									
Highest	-132.42	-131.92	-306.15	-77.83	0.00	0.00	0.00	0.00	0.00	0.00	00:00	0.00	0.00
Lowest	-173.83	-174.07	-386.05	-87.59	0.00	0.00	0.00	00:00	00.00	0.00	0.00	0.00	0.00
Nov-06	-143.33	-143.25											
Jan-07	-145.50	-145.00	-335.75										
Jul-07	-132.42	-131.92	-324.50										
Jan-08	-135.67	-135.17	-328.71										
Jul-08	-153.00	-152.25	-338.92										
Jan-09	-146.59	-145.83	-356.42										
90-Inf	-160.84	-160.25	-359.83										
Jan-10	-153.27	-152.83	-381.65	-87.59									
Jul-10	-151.83	-152.07		-77.83									
Jan-11	-150.90	-150.80	-382.40	-79.64									
Jul-11	-168.03	-166.50	-375.31	-80.53									
Sep-11	-171.33	-171.67	-385.35	-81.01									
Nov-11	-165.03	-165.10	-381.65	-80.28									
Jan-12	-157.73	-158.07	-378.05	-79.72									
May-12	-157.63	-158.37	-376.65	-78.99									
Jan-13	-156.23	-158.07	-374.40	-81.66									
May-13	-162.03	-162.07	-386.05	-82.13									
Aug-13	-173.83	-174.07	-307.15	-82.70									
Nov-13	-160.43	-160.77	-306.45	-82.35									
Feb-14	-158.03	-158.47	-306.75	-82.68									
May-14	-164.17	-163.73	-309.05	-83.07									
Aug-14	-170.93	-168.47	-309.15	-83.56									
Nov-14	-166.28	-167.37	-308.48	-83.42									
Jan-15	-158.83	-159.17	-306.15	-83.54									
Jun-15	-154.43	-154.97	-307.15	-83.92									
Sep-15	-169.07	-168.73	-309.85	-83.43									
Nov-15	-156.73	-157.27	-306.15	-82.72									
Since Last	12.34	11.46	3.70	0.71	00:00	0.00			0.00				
Historic	-13.40	-14.02	29.60	4.87									
	E-line Measurement	ent	The des.	The desired future conditions established by Clearwater Underground Water Conservation District for the Upper Trinity	ns established by	ı Clearwater Unde	erground Water C	Conservation Distr	ict for the Upper	Trinity	Minimum Numbe	Minimum Number of Measurements:	5
	Sonic Measurement	ent			is no more	is no more than 155 feet of drawdown after 50 years.	drawdown after 5	50 years.			Average	Average Drawdown	-0.58 ft/yr
	TWDB Measurement	hent			The aver	The average drawdown goal per year is -3.1 feet.	oal per year is -3.	.1 feet.			Drawdown	Drawdown of Water Level	
		· .									:		

Increase of Water Level

No Reading Available



Clearwater UWCD - Middle Trinity Monitor Wells

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

	Historic	Since Last	Nov-15	Sep-15	Jun-15	Jan-15	Nov-14	Aug-14	May-14	Feb-14	Nov-13	Aug-13	May-13	Jan-13	May-12	Jan-12	Nov-11	Sep-11	Jul-11	Jan-11	Jul-10	Jan-10	Jul-09	Jan-09	Jul-08	Jan-08	Jul-07	Jan-07	Nov-06	Oct-06	Sep-06	Jul-06	Jan-06	Lowest	Highest	Well Name	CUWCD#	State#
	-55.14	5.42	-424.68	-430.10	-416.58	-421.68	-433.63	-426.63	-418.93	-417.18	-422.78	-423.28	-412.28	-401.58	-399.68	-403.38	-413.38	-412.08	-405.56	-381.23	-378.38	-372.54	-378.46	-369.54										-433.63	-369.54	Stephenson	E-08-005P	58-04-104
	25.78	3.74	-373.63	-377.37	-372.83	-372.33	-377.57	-375.17	-375.07	-370.23	-371.13	-371.53	-367.53	-361.40	-362.33	-362.73	-364.70	-362.18	-362.35	-380.93	-378.53	-362.93	-370.17	-389.58	-442.33	-382.50	-379.58	-375.25	-399.41					-442.33	-361.40	Tex Vet	E-06-063G	40-58-903
	-92.16	14.62	-436.58	-451.20	-428.68	-445.93	-447.63	-446.93	-441.33	-439.28	-432.18	-431.48	-422.08	-406.98	-404.97	-409.97	-416.48	-424.33	-414.48	-381.23	-375.55	-383.50	-377.25	-377.92	-376.17	-344.42								-451.20	-344.42	Crushed Stone	N2-07-003G	58-03-503
	-24.40	12.70	-23.20	-35.90	-36.80	-45.00	-55.40	-55.30	-56.00	-51.30	-51.30	-50.00	-50.40	-42.10	-44.13	-43.13	-42.13	-41.73	-41.13	-39.90	-38.83	-36.63	-36.63	-34.04	-30.79	-28.80	-27.04	-26.10	-27.13	-21.46	-27.96	-28.30	-25.96	-56.00	1.20	Holland	N2-02-013G	58-05-901
	-6.32	1.25	-313.26	-314.51	-307.36	-312.52	-316.99	-314.87	-313.33	-311.78	-314.73	-317.87	-311.45	-312.56	-309.74	-311.90	-316.65	-319.94	-313.40	-308.10	-295.47	-306.94												-319.94	-295.47	Copperas Cove	N2-09-007P	40-57-601
	-115.15	8.54	-334.48	-343.02	-321.68	-329.28	-344.72	-338.32	-331.62	-321.88	-326.88	-325.18	-312.78	-303.08	-304.18	-308.38	-319.40	-325.18	-312.02	-286.78	-287.33	-281.48	-293.58	-284.25	-280.17	-261.92	-256.25	-266.88	-219.33					-344.72	-219.33	River Ridge	M-16-001G	58-02-302
	-15.70	11.70	-573.10	-584.80	-565.30	-570.70	-586.40	-583.20	-574.70	-567.80	-574.40	-570.20	-557.40																					-586.40	-557.40	Christian	E-10-003P	58-03-504
	3.40	5.70	-475.60	-481.30	-467.90	-470.90	-482.40	-479.70	-476.30	-467.50	-475.00	-481.20	-479.00																					-482.40	-467.50	Stillman	M-13-001P	58-02-901
	-64.51	33.32	-378.34	-411.66	-377.24	-375.64	-406.66	-412.16	-390.46	-374.84	-386.24	-417.44	-388.94	-370.60	-376.80	-357.34	-386.04	-404.70	-403.38	-335.00	-345.24	-326.54	-368.58	-323.76	-334.42	-291.92	-288.42	-282.63	-313.83					-417.44	-282.63	Murphy	E-05-083P	58-04-405
Mi	37.00	25.00	-327.65	-352.65	-324.45	-324.75	-349.25	-352.35	-335.65	-323.35	-336.35	-364.65																						-364.65	-323.35	H.Spring Park	E-02-1409G	58-04-514
Minimum Number of Measurements:	34.20	24.50	-392.20	-416.70	-388.60	-390.80	-417.40	-415.40	-407.80	-388.80	-396.10	-426.40																						-426.40	-388.60	Reavis	E-02-1407G	58-04-407
of Measurements	34.00	24.10	-388.60	-412.70	-385.30	-387.20	-412.40	-410.90	-403.20	-385.00	-392.20	-422.60																						-422.60	-385.00	H. Springs	E-02-1406G	58-04-406
л	-12.10	10.01	-642.10	-652.11	-630.83	-648.91	-650.98	-655.90	-645.00	-630.00																								-655.90	-630.00	Gault Site #2	M-14-002P	58-03-701
	13.00	13.00	-315.10	-328.10	-315.10	-319.70	-328.10																											-328.10	-315.10	UMHB	N2-11-003G	
	11.50	10.00	-323.20	-333.20	-326.40	-329.00	-334.70																											-334.70	-323.20	Strike Zone	N2-04-001P	
	13.10	11.40	-326.20	-337.60	-320.80	-321.80	-339.30																											-339.30	-320.80	Salado ISD	N2-08-002P	
	-15.77	7.63	-430.37	-438.00	-413.60	-414.60																												-438.00	-413.60	Pedigo	E-14.053P	
	14.20	14.80	-664.80	-679.60	-660.20	-666.20	-679.00																											-679.60	-660.20	Brooks	E-07-001P	

E-line Measuren Sonic Measuren TWDB Measurei No Reading Avai Air line Measure

The desired future conditions established by Clearwater Underground Water Conservation District for the Middle Trinity is no more than 286 feet of drawdown after 50 years.

The average drawdown goal per year is -5.72 feet.

Minimum Number of Measurements: Average Drawdown -0.67 ft/yr

Drawdown of Water Level Increase of Water Level



Clearwater UWCD - Lower Trinity Monitor Wells

Staff measures wells quarterly in order to closely monitor the aquifer levels as part of our statuatory responsibility. The Texas Water Development Board conducted some of the measurements, shown in red. The measurements of the TxDOT wells and an additional well in Salado, shown in red.

	707 61 07		701 63 07	700 00	200 11 07				201 67 07	701	201 27 07		
State #	40-53-408 N2-02-02-8	N2-08-006P	40-63-30T	36-06-301 N2-04-010P	40-37-602 M-09-002P	N2-13-002B	38-03-202 N2-02-04G	N2-10-001B	40-62-501 M-13-005G	40-34-701 M-13-0066	40-61-309 M-13-0076		
Well Name	Moffat #1	Moffat #2	East Bell #1	East Bell #2	Copperas Cove	MHr	Armstrong #1	Armstrong #2	Acres	Cearly	PeaRidge		
Highest	-332.00	-477.00	-230.00	-268.00	-290.13	-175.30	-246.70	-327.70	-136.13	-259.00	-31.00	0.00	0.00
Lowest	-482.31	-491.10	-275.00	-378.00	-297.43	-182.10	-248.80	-331.00	-382.00	-469.26	-241.60	0.00	0.00
Jan-07	-333.00												
Jul-07	-381.26												
Jan-08	-332.00												
Jul-08	-358.16												
Jan-09	-436.70												
90-lul	-358.16												
Jan-10	-399.74				-291.16								
Jul-10	-408.98				-292.71								
Jan-11	-362.78				-290.13								
Jul-11	-348.82			-268.00	-290.25								
Sep-11	-459.36				-291.93								
Nov-11	-457.05				-292.44								
Jan-12	-455.49			-378.00	-293.85								
May-12	-458.80			-278.00	-293.47								
Jan-13	-471.09	-485.70		-280.00	-294.22								
May-13	-468.59			-285.00	-294.96								
Aug-13	-475.39			-282.00	-295.11			-329.83					
Nov-13	-468.89			-290.00	-295.85	-175.41							
Feb-14	-468.50	-478.30	-230.00	-290.00	-295.70								
May-14	-471.81	-481.70	-230.00	-285.00	-296.14	-175.30							
Aug-14	-474.01	-483.70	-230.00	-285.00	-296.00	-177.25			-382.00	-456.00	-241.1		
Nov-14	-472.68	-479.49	-235.00	-290.00	-296.91	-179.12	-247.90	-329.60		-456.40			
Jan-15	-467.39	-477.00	-235.00	-290.00	-296.84	-176.35	-246.70	-327.70	-340.10	-456.00	-241.6		
Jun-15	-467.79	-477.40	-230.00	-290.00	-296.69	-176.35	-248.50	-331.00	-339.50	-456.20			
Sep-15	-482.31	-491.10	-275.00	-290.00	-297.06	-182.10	-247.30	-330.60	-347.84	-469.26			
Nov-15	-471.69	-481.30	-270.00	-290.00	-297.43	-178.97	-248.80	-330.80	-349.07	-468.20			
Since Last	5.29	-478.30	0.00	3.00	-0.15	0.00	0.00	-329.83	0.00	0.00	241.10	00:00	0.00
Historical	-132.39	7.40	230.00	-14.00	-3.95	175.41	247.90	00:00	136.13	259.00	31.00		
	E-line Measurement	ent		The desired future	The desired future conditions established by Clearwater Underground Water Conservation District for the	thed by Clearwai	er Underground V	Nater Conservatio	n District for the		Minimum Numbe	Minimum Number of Measurements:	3
	Sonic Measurement TWDB Measurement Air line Measurement	ent nent nent			Lower Trinity is nc The avera ,	o more than 319 ge drawdown g	Lower Trinity is no more than 319 feet of drawdown after 50 years. The average drawdown goal per year is -6.38 feet.	n after 50 years. 38 feet.			Average Drawdown Increase	Average Drawdown Drawdown of Water Level Increase of Water Level	-3.67 ft/yr
	No Reading Available	able											



Clearwater UWCD - Edwards BFZ Monitor Wells

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

	0.84	0.10	-10.92	-10.85	2.04	-1.70	-5.64	1.60	4.51	-0.07	-5.88	-19.88	Historic
	-4.94	-5.80	-6.52	-8.10	-1.09	0.27	-54.12	-0.70	-4.46	-12.05	1.55	-5.70	Since Last
	-54.33	-74.50	-37.62	-62.90	-120.44	-72.03	-16.17	-23.87	-72.40	-45.62	-40.43	-61.95	Nov-15
i	-58.26	-77.90	-41.92	-70.85	-122.76	-72.70	-77.55	-27.67	-80.88	-50.57	-45.68	-62.50	Sep-15
i	-53.32	-72.10	-35.40	-62.75	-121.67	-72.97	-23.43	-26.97	-76.42	-38.52	-47.23	-56.80	Jun-15
1	-59.01	-74.30	-35.70	-69.05	-125.52	-73.77	-30.01	-29.57	-79.32	-41.32	-49.13	-62.00	Jan-15
1	-58.58	-79.70	-35.40	-69.25	-127.60	-74.33	-77.79	-31.17	-88.62	-43.92	-52.33	-59.80	Nov-14
I	-57.30		-40.40	-72.55	-128.09	-74.24	-82.71	-33.77	-91.78	-52.67	-47.08	-65.80	Aug-14
1	-57.20	-78.60	-40.20	-72.35	-125.66	-73.98	-72.25	-30.97	-90.28	-52.17	-46.88	-64.40	May-14
1	-59.10	-74.40	-35.00	-68.65	-124.22	-73.64	-67.54	-30.17	-80.02	-49.93	-42.22	-62.20	Feb-14
1			-34.80	-68.55	-125.05	-73.60	-53.35	-29.37	-81.12	-49.73	-43.70		Nov-13
1		-68.70		-74.95	-129.44	-73.70	-84.93	-32.17	-84.12	-52.53	-44.42	-64.70	Aug-13
ı					-126.78	-73.57	-64.79	-31.57	-86.52	-50.03	-42.02	-63.00	May-13
1					-125.18	-71.20	-71.54	-32.40	-85.40	-49.83	-42.22	-68.90	Jan-13
1					-123.57	-73.83	-79.17	-31.20	-81.92	-50.83	-41.82	-67.39	May-12
1					-125.18	-74.20	-64.78	-30.73	-79.72	-50.23	-42.62	-75.99	Jan-12
ı		-78.00			-126.09	-72.08	-80.97	-32.53	-83.62	-52.83	-44.42	-76.79	Nov-11
1					-126.41	-71.15	-89.10	-37.83	-89.22	-54.03	-45.82	-68.59	Sep-11
1					-125.39	-71.05	-81.51	-35.52	-87.21	-53.49	-44.46	-61.21	Jul-11
1					-121.76	-72.05	-64.63	-31.43	-82.64	-49.35	-43.00	-58.80	Jan-11
					-120.46		-72.83	-31.53	-81.67	-50.73	-42.12	-58.04	Jul-10
				-60.00	-118.18	-70.43	-39.81	-27.12	-67.67	-48.38	-39.62		Jan-10
					-128.15	-73.19	-83.61	-34.92	-85.67	-53.66	-51.50	-63.33	Jul-09
1					-125.47	-72.88	-71.91	-38.92	-88.75	-51.58	-43.42	-61.04	Jan-09
1					-124.80	-69.82		-40.17	-72.34	-52.16	-43.59	-46.46	Jul-08
ı						-72.07		-31.42	-86.51	-49.83	-41.92	-46.62	Jan-08
						-69.87		-31.50	-72.34	-44.83	-36.17	-49.45	Jul-07
						-72.08		-27.55	-80.30	-49.50	-40.84	-60.79	Jan-07
						-73.05		-30.09	-81.00	-52.33	-43.75	-65.12	Nov-06
						-72.95		-33.21	-85.75	-52.96	-44.55	-60.37	Oct-06
						-72.87		-34.09	-82.75	-53.08	-43.09	-55.92	Sep-06
						-72.73		-41.84	-95.25	-52.08	-43.58	-52.29	Jul-06
						-72.83		-36.50	-83.00	-51.79	-43.34	-50.29	Jan-06
1	-59.10	-79.70	-41.92	-74.95	-129.44	-78.25	-89.10	-63.20	-95.25	-56.14	-52.33	-76.79	Lowest
	-53.32	-68.70	-31.00	-60.00	-118.18	-69.82	-16.17	-23.87	-67.67	-38.52	-36.17	-40.13	Highest
	Gault #1	Broeker	Peters	Coppin	Rest Stop	Patterson	Cemetary	Salado WSC#1	Stagecoach	Salado ISD #2	Salado ISD #1	Bartlett #1	Well Name
	M-14-001P	N2-11-005P	E-04-077P	E-10-005P	N2-05-002G	N2-04-005G	N2-08-008G	N2-02-003G	N2-02-002G	N2-02-050G	N2-03-004G	M-12-014G	CUWCD#
					58-04-816	58-04-702	58-04-628	58-04-602	58-04-623	58-04-502	58-04-627	58-13-502	State #

No Reading Available TWDB Measurement Sonic Measurement E-line Measurement

> desired future conditions established by Clearwater for the Edwards (BFZ) aquifer are based on maintaining Salado Spring discharge into Salado Creek during a repeat of conditions similar to the 1950's drought of record. Under the drought of record conditions, a spring discharge of 200 acre-feet per month is preferred and 100 acre-feet per month is the minimum acceptable spring flow.

Drawdown of Water Level Average Drawdown

> 0.19 ft/yr G

ncrease of Water Level



15th Annual

Bell County Water Symposium

"Showcasing Groundwater Management, Science & Education"

November 19, 2015 8:00 a.m.—4:30 p.m.

Location: Central Texas Council of Governments, 2180 N Main, Belton, TX
AGENDA

8:00 a.m.	Registration
8:10 a.m.	Welcome & Introduction & Theme of the Day Leland Gersbach, Board President, Clearwater UWCD
8:20a.m.	Groundwater Management Showcase (Joint Planning, Joint Efforts and Joint Respect) Central Texas Groundwater Conservation District: Charles Shell, General Manager Southern Trinity Groundwater Conservation District: Scooter Radcliffe, General Manager Middle Trinity Groundwater Conservation District: Joe B. Cooper, General Manager
9:30	10 Minute Break
9:40	"Continue" Groundwater Management Showcase (Joint Planning, Joint Efforts and Joint Respect) Barton Springs/Edwards Aquifer Conservation District: High Plains Groundwater Conservation District: Clearwater Underground Water Conservation District: Dirk Aaron, General Manager
11:00 a.m.	"Who are the GCD Across TX and What is their Story?" Sarah Roundtree Schlessinger, Executive Director Texas Alliance of Groundwater Conservation Districts
11:20 a.m.	Groundwater Case Law, Court Decisions, Affirmation of Groundwater Management Mike Gershon, Attorney, Lloyd Gosselink Rochelle and Townsend
11:40 a.m.	"Desired Future Conditions" - The Process, The Rules, The Conclusions, Why Science Matters? Mike Keester, Senior Hydrogeologist, LBG-Guyton Associates
12:00	Lunch (Noon-Keynote Address) "Water Supply & Demand"— Trends and Challenges for the Southwest Dr. Robert Mace, Deputy Executive Director, Texas Water Development Board
1:00 p.m. 1:30 p.m. 2:00 p.m.	Texas Well Owner Network: Drew Gholson, TWON Coordinator, Texas A&M AgriLife Extension Middle Trinity Aquifer Investigation: Jim Tucker, Baylor University Edwards Aquifer Geo-Chemistry Investigation: Chris Braun, US Geological Survey
2:30 p.m.	Break
2:45 p.m. 3:15 p.m. 3:30 p.m. 4:00 p.m.	Edwards Aquifer Investigation of Springs and Recharge Features: Stephanie Wong, Baylor Universit Salado Salamander Investigation: Pete Diaz, Texas Fish & Wildlife Conservation Office Evaluation: Heidi Prude, Natural Resource Extension Agent, Texas A&M AgriLife Extension Adjourn

Symposium Sponsors

Clearwater UWCD
LBG-Guyton Associates
HALFF Associates
Texas Well Owner Network

Lloyd Gosselink Attorneys at Law Bell County Engineers Office Texas A&M AgriLife Extension Service Baylor University, Department of Geology

For more information or to RSVP please contact Clearwater at 254-933-0120