SOUTHEAST TEXAS GROUNDWATER CONSERVATION DISTRICT

2017 ANNUAL REPORT

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DISTRICT INFORMATION

CREATION OF THE DISTRICT

In 2003, the creation of the District was authorized by the 78th Texas Legislature through Senate Bill 1888. On November 2, 2004, the voters of Jasper and Newton Counties confirmed creation of the District. In 2005, the Commissioner's Courts of Hardin and Tyler Counties adopted a resolution requesting that Hardin and Tyler Counties be included in the District. On November 8, 2005, the voters of Hardin and Tyler Counties voted to become members of the Southeast Texas Groundwater Conservation District.

PURPOSE

The Southeast Texas Groundwater Conservation District was created to conserve, preserve, protect, recharge, and prevent waste of groundwater, and to control subsidence caused by withdrawal of groundwater within its boundaries, which are Jasper, Newton, Hardin and Tyler Counties. As part of the process of accomplishing its purpose, the District has adopted a Management Plan, which has been reviewed and approved by the Texas Water Development Board.

DISTRICT INFORMATION

The District encompasses in their entirety, Jasper, Newton, Hardin and Tyler Counties, which comprise an area of approximately 3,685 square miles with an estimated population of 127,293 people (U.S. Census Bureau July, 2017 estimate).

The District is included in two other water planning groups: Region I, Regional Water Planning Group and Groundwater Management Area 14.

With the passage of Senate Bill 660 in 2011, the Southeast Texas Groundwater Conservation District was appointed by GMA 14 to serve as a voting representative on the Region I Water Planning Group.

District Office
271 East Lamar • P.O. Box 1407
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www.setgcd.org

BOARD OF DIRECTORS & STAFF

EXECUTIVE COMMITTEE:

Walter R. Glenn
President

Roger Fussell
Vice President

Bobby Rogers
Secretary/Treasurer

JASPER COUNTY REPRESENTATIVES:

Mitch McMillon, Director
Appointed by City of Jasper
Large Municipal Water Utility
Term: 2016 – 2018

Linda Powell, Director
Appointed by Jasper County
Rural Water Utility
Term: 2017 – 2019

Wendy Turner, Director
Appointed by Jasper County
Large Industrial
Term: 2018 – 2020

NEWTON COUNTY REPRESENTATIVES:

Joh Meek, Director
Appointed by City of Newton
Large Municipal Utility
Term: 2016 – 2018

Olen Bean, Director
Appointed by Newton County
Rural Water Utility
Term: 2017 – 2019

Greg Wobbe, Director
Appointed by Newton County
Forestry, Agriculture, Industry
Term: 2018 – 2020

BOARD OF DIRECTORS & STAFF

HARDIN COUNTY REPRESENTATIVES:

Sam Ashworth
Appointed by Hardin County
Agricultural, Industrial
Term: 2016 – 2018

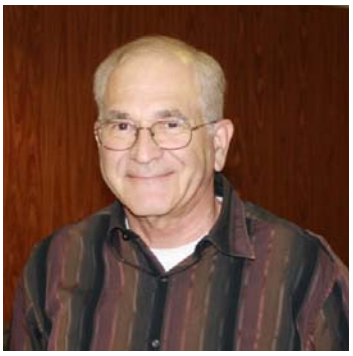
Bobby Rogers
Appointed by Hardin County
Rural, Small Water Utility
Term: 2017 – 2019

Roger Fussell
Appointed by Hardin County
Large Municipal Utility
Term: 2018 – 2020

TYLER COUNTY REPRESENTATIVES:

Robyn Summerlin
Appointed by Tyler County
Rural, Small Water Utility
Term: 2016 – 2018

Jim Boone
Appointed by Tyler County
Large Municipal Utility
Term: 2017 – 2019



Charles Zimmerman
Appointed by Tyler County
Forestry, Agricultural, Industry
Term: 2018 – 2020

STAFF:

John Martin, General Manager

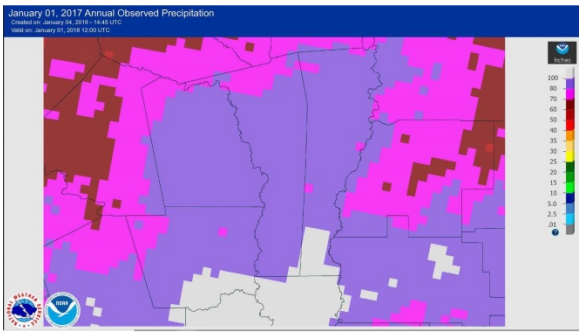
GENERAL COUNSEL:

John D. Stover, General Counsel

STATEMENT FROM GENERAL MANAGER

2017 – AN EVEN "WETTER" YEAR IN REVIEW

When writing the "Statement From General Manager" for last year's Annual Report (2016) I recall thinking how amazing it was that a large portion of the District received over 70 inches of rainfall and some areas even surpassed 80 inches. It's almost inconceivable that the District received even more rainfall in 2017, and in some instances significantly and devastatingly more. As you can see from the NOAA Annual Observed Precipitation Map, except for some small areas in the northern portions of Tyler and Jasper Counties, and the far northwestern portion of Hardin County, the vast majority of the district exceeded the annual average precipitation of 54 inches by over 2 feet. And as amazing as that is, the southern portions of Hardin and Newton Counties appear to have received over 100 inches in of rainfall 2017 (over 8 feet of rain).



As was the case in 2016, all the precipitation, specifically the rainfall from Hurricane Harvey, was just too much for the area to handle. Some areas received 50+ inches in a matter of 3 – 4 days. Entire communities were underwater, levies were breached, and hundreds of people had to be rescued from the rising flood waters. Many of these people, our friends and family, still are not back to "normal". The damage from the floodwater was so extensive for the City of Beaumont's water wells (located in southern Hardin County) that they are still offline.

With regard to the number of water wells drilled throughout the District in 2017 there was one statistic that stands out. In 2017 the District did not permit a single Non-Exempt water well. Although the total number of wells drilled in 2017 was up over the two previous years it was still a below average year. The District saw 288 wells registered in 2017 which is a 13% increase from 2016; however, the average number of wells drilled annually for the previous 9 years is 324, approximately 13% higher.

STATEMENT FROM GENERAL MANAGER

The oil and gas industry did show signs of picking up early in the year with an average of 3 wells being registered per month from January to May. The District only saw 10 wells registered for the remaining 7 months of the year. Although the 25 wells drilled for the oil/gas industry in 2017 was over a 100% increase from 2015, and a 75% increase from 2016, it is still far below peak numbers reached in 2008 which saw 100 wells drilled for the oil/gas industry.

One encouraging statistic is that in 2017 62 water wells were plugged throughout the District, which is a significant increase from previous years. Although in 2016 58 wells were reported plugged, over 50% of them were very shallow monitor wells that were never meant to produce and were only to monitor water quality. All 62 water wells plugged in 2017 were producing water wells. The vast majority of the wells plugged were in the Old Salem area of Newton County where there were many wells drilled for the oil and gas industry over the past several decades that had been neglected and out of production. BXP, Ltd. inherited these wells and stepped up to have these neglected wells taken care of by hiring N.L. Bishop Drilling to plug 43 of them. Additionally, the local water well drillers are becoming more proactive by encouraging the oil/gas industry to plug the wells as soon as the oil/gas well was completed. Nearly half of the water wells drilled in 2017 for the oil/gas industry were also plugged in 2017 (with several additional wells being plugged that were drilled in 2016).

2017 saw the 85th Legislative Session come and go. There were several bills that would have had significant impact on groundwater conservation districts that either failed to pass or were vetoed by the Governor. HB 3028 sponsored by Representative Burns was the "Fair Share" bill that would have required all groundwater permits be based on correlative rights. Senator Perry's SB 1392 was an Omnibus Bill that would have made many changes to Chapter 36, including a requirement that groundwater conservation districts adopt common rules. Later in the session the word "common" was changed to "similar", making it slightly more palatable for groundwater conservation districts, but still very controversial. Additionally, at one point this bill would have removed the ability of a groundwater district to have issued permits based on historical use. This would have been such an impactful change that the District felt it necessary to have counsel in attendance at the committee hearing at which this was discussed. At the end of the session Governor Abbott actually vetoed the only four bills that would have had any significant impact to the District.

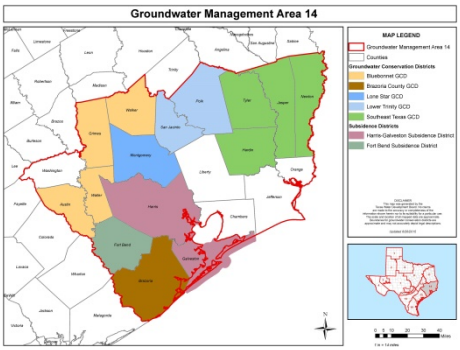
In February of 2017 the Texas Commission on Environmental Quality (TCEQ) notified the District it was statutorily required to re-adopt its Management Plan no less than once every five years and that our Plan would expire in October of 2017. Over the next several months the District took the necessary steps to review, consider, update, and re-adopt its Management Plan as required by Chapter 36. On June 8, 2017, after

STATEMENT FROM GENERAL MANAGER

meeting all Chapter 36 requirements, the District moved to adopt the revised Plan which was approved by the Texas Water Development Board on August 11, 2017.

Regionally speaking, the District did not see much movement by either the Region I Water Planning Group or Groundwater Management Area 14. Although the Region I Water Planning Group met three times in 2017, the first meeting wasn't until August, and the second meeting in November was cancelled due to lack of a quorum. The first year or two after the adoption of the Regional Water Plan is typically "slow" and meetings are only held to meet very specific deadline requirements. As the five year planning cycle progresses, the number of meetings increase culminating, in a public hearing before the final adoption of the Plan by the Region I members. One item of note regarding the Region I Water Planning Group is that the Southeast Texas Groundwater Conservation District's Vice President, Roger Fussell, has been added to the voting members of the Region I Water Planning Group Board. Mr. Fussell will be representing the municipal water users of southeast Texas.

Groundwater Management Area 14 only met once in 2017. Similarly to the regional water planning process, things are typically slow the first year or two after the adoption of Desired Future Conditions. Additionally, since there was a challenge to the DFCs of the Lone Star Groundwater Conservation District (Montgomery County) by the Cities of Conroe and Magnolia, as well as Quadvest, LP., which triggered a full blown hearing process, it made sense for the GMA members to wait and see what the outcome of the hearing would be prior to meeting.



In the end, Lone Star entered into a settlement agreement with the Cities and have agreed to change their management goals from a subsistence practice to a managed drawdown. This change in management style was based on the culmination of a three year study that Lone Star had commissioned.

Since the settlement, GMA 14 members have met twice to begin the process of moving forward to consider the new desired future conditions that the Lone Star Groundwater Conservation District is proposing. The Desired Future Conditions make significant changes to the Jasper layer of the Gulf Coast Aquifer and have far reaching impacts. The groundwater availability model indicates that some of Lone Star's neighboring

STATEMENT FROM GENERAL MANAGER

counties will see over an additional 100 feet of drawdown through the planning period. In our District, the model indicates somewhat minimal changes with the exception of the Jasper layer in Hardin County. The projected change is an additional drawdown of 21 feet.

Although none of Lone Star's neighbors have openly objected to the potential impacts the changes will have on their desired future conditions, the process in which to consider these changes is in the very early stages.

This Annual Report is the wrap-up for 2017. The District's Management Plan requires that the report discuss each of the Management Plan Goals and provide evidence that the goals have been met. As you will see in the following pages, the District has not only met all Management Plan Goals but, as always, has exceeded most of them. By meeting and exceeding the goals that are laid out in the Management Plan, the Southeast Texas Groundwater Conservation District continues to meet its purpose "to conserve, preserve, protect, recharge, and prevent the waste of groundwater and to control subsidence caused by the withdrawal of groundwater within its boundaries…" and will assure that the groundwater resources of the District remain for future generations the abundant resource they are today.

GOAL 4.1

PROVIDING THE MOST EFFICIENT USE OF GROUNDWATER

Objective

1. *Each year, the District will require all new exempt or permitted wells that are constructed within the boundaries of the District to be registered or permitted with the District in accordance with the District's Rules.*

Performance Standard

1. *The number of exempt and non-exempt wells registered or permitted by the District for the year will be incorporated into the District's Annual Report.*

OBJECTIVE 1

The District enters all registered and permitted wells into its ArcMap Database. The database not only provides the District with the number and type of wells being drilled, but also their specific location and, after receipt of the driller's Well Report, the well's depth and static water level. The following tables show a breakdown of the number of new exempt and non-exempt wells registered and/or permitted by county and type, followed by two tables with totals for the entire District. Additional tables are included comparing previous years with the 2017 data.

As you can see from the data in the following tables the District saw 288 exempt wells registered this past year. The District did not issue a single non-exempt well permit, the first year that this has ever occurred. The District averages 5 non-exempt well permits each year with a high of 13 in 2011 and a previous low of 1 in 2013. The 288 wells registered in 2017 is a 13% increase from 2016; however, the average number of wells drilled annually for the previous 9 years is 324, approximately 13% higher than 2017.

Included in this section are ArcMap GIS location maps for each county. These maps show the location of each exempt well registered in 2017. Information regarding the ownership, date it was registered, and who the well was drilled by is also included. In addition to the maps showing the newly registered wells I have included a map showing the locations of all the water wells that have been plugged within the District in 2017.

One very encouraging statistic is that in 2017 62 water wells were plugged throughout the District, which is a significant increase from previous years. Although in 2016 58 wells were reported plugged, over 50% of them were very shallow monitor wells that were never meant to produce, were only temporary, and used only to monitor water quality. All 62 water wells plugged in 2017 were producing water wells. Additionally, the local water well drillers are becoming more proactive by encouraging the oil/gas industry to plug their water wells as soon as the oil/gas well is completed. Nearly half of the

GOAL 4.1

water wells drilled in 2017 for the oil/gas industry were also plugged in 2017 (with several additional wells being plugged that were drilled in 2016.

In 2017 the District approved the expenditure of funds to improve its well database and contracted with Intera, Inc. to develop a “layer” to be utilized with ArcMap. This “layer” allows the District to use the data collected from the Well Reports in conjunction with the “layer” to ascertain the specific geologic formation and aquifer from which each well is pumping.

GOAL 4.1

COUNTY TOTALS

Jasper County	Number of Wells - 2017
Exempt/Registered Wells - Domestic	71
Exempt/Registered Wells - Other	0
Exempt/Registered Wells - Oil and Gas Related	8
Non-Exempt Wells – Industrial / Commercial	0
Non Exempt Wells – Public Water Supply	0
Plugged Wells	*4*
TOTAL REGISTERED/PERMITTED WELLS	**79**

Newton County	Number of Wells - 2017
Exempt/Registered Wells - Domestic	47
Exempt/Registered Wells - Other	1
Exempt/Registered Wells - Oil and Gas Related	6
Non-Exempt Wells – Industrial / Commercial	0
Non Exempt Wells – Public Water Supply	0
Plugged Wells	*47*
TOTAL REGISTERED/PERMITTED WELLS	**54**

Hardin County	Number of Wells - 2017
Exempt/Registered Wells - Domestic	92
Exempt/Registered Wells - Other	3
Exempt/Registered Wells - Oil and Gas Related	3
Non Exempt Wells – Industrial/Commercial	0
Non Exempt Wells – Public Water Supply	0
Plugged Wells	*3*
TOTAL REGISTERED/PERMITTED WELLS	**98**

Tyler County	Number of Wells - 2017
Exempt/Registered Wells - Domestic	47
Exempt/Registered Wells - Other	2
Exempt/Registered Wells - Oil and Gas Related	8
Non Exempt Wells – Industrial/Commercial	0
Non Exempt Wells – Public Water Supply	0
Plugged Wells	*8*
TOTAL REGISTERED/PERMITTED WELLS	**57**

GOAL 4.1

DISTRICT WIDE TOTALS

Total	Number of Wells – 2017
Exempt/Registered Wells – Domestic	257
Exempt/Registered Wells – Other	6
Exempt/Registered Wells – Oil and Gas Related	25
Non Exempt Wells – Industrial/Commercial	0
Non Exempt Wells – Public Water Supply	0
Plugged Wells	*62*
TOTAL REGISTERED/PERMITTED WELLS	**288**

TOTAL EXEMPT-REGISTERED / NON-EXEMPT-PERMITTED

Total	Number of Wells - 2017
Exempt/Registered Wells	**288**
Non Exempt/Permitted Wells	**0**

GOAL 4.1 - Multi Year Comparison

Registered & Permitted Wells
Annual Comparison 2008 – 2017

Jasper County	2017	2016	2015	2014	2013	2012	2011	2010	2009	2008
Exempt/Registered Wells - Domestic	71	76	82	73	72	88	91	109	91	64
Exempt/Registered Wells - Other	0	0	1	2	6	7	13	5	5	12
Exempt/Registered Wells - Oil Gas Related	8	5	1	22	8	10	11	16	13	21
Non Exempt Wells – Industrial/Commercial	0	1	3	0	1	2	0	0	1	0
Non-Exempt – Public Water Supply	0	0	1	1	0	0	3	0	0	3
TOTAL REGISTERED/PERMITTED	**79**	**82**	**88**	**98**	**87**	**107**	**118**	**130**	**110**	**100**

Newton County	2017	2016	2015	2014	2013	2012	2011	2010	2009	2008
Exempt/Registered Wells - Domestic	47	36	37	40	24	32	37	71	33	35
Exempt/Registered Wells - Other	1	0	7	2	4	2	2	1	1	0
Exempt/Registered Wells - Oil Gas Related	6	4	3	9	8	9	10	4	5	6
Non Exempt Wells – Industrial/Commercial	0	0	0	0	0	0	2	2	0	0
Non-Exempt – Public Water Supply	0	0	1	0	0	0	0	0	0	0
TOTAL REGISTERED/PERMITTED	**54**	**40**	**48**	**51**	**36**	**43**	**51**	**78**	**39**	**41**

Hardin County	2017	2016	2015	2014	2013	2012	2011	2010	2009	2008
Exempt/Registered Wells - Domestic	92	71	79	66	87	64	99	67	88	53
Exempt/Registered Wells - Other	3	2	0	7	7	7	18	6	6	0
Exempt/Registered Wells - Oil Gas Related	3	2	5	7	6	6	23	8	12	28
Non Exempt Wells – Industrial/Commercial	0	0	0	0	0	2	2	0	0	3
Non-Exempt – Public Water Supply	0	0	0	2		0	0	1	0	1
TOTAL REGISTERED/PERMITTED	**98**	**75**	**84**	**82**	**100**	**79**	**142**	**82**	**106**	**85**

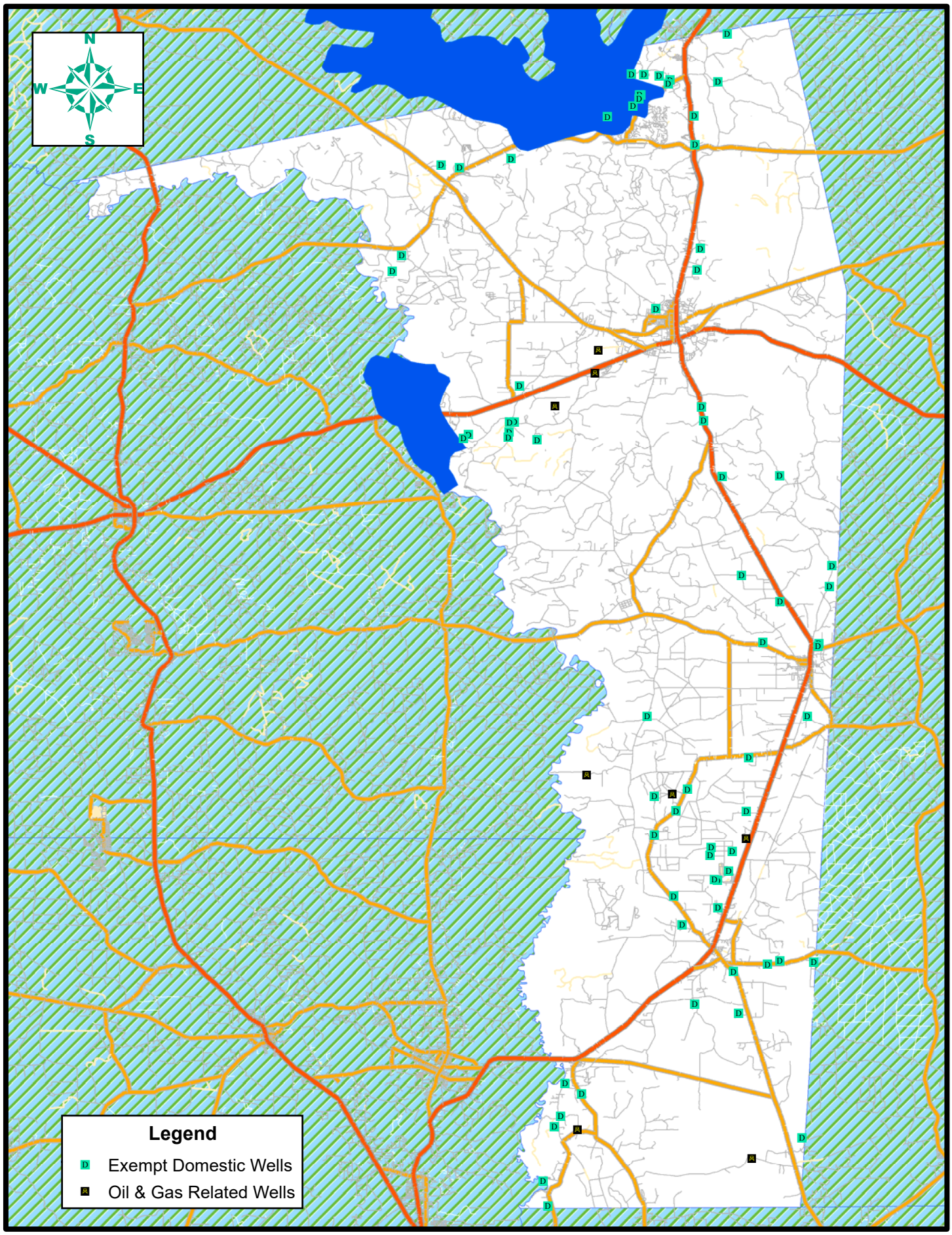
GOAL 4.1 - Multi Year Comparison

Tyler County	2017	2016	2015	2014	2013	2012	2011	2010	2009	2008
Exempt/Registered Wells - Domestic	47	51	62	57	47	60	102	59	57	39
Exempt/Registered Wells - Other	2	1	1	2	2	3	6	6	0	0
Exempt/Registered Wells - Oil Gas Related	8	5	3	17	11	24	27	21	11	45
Non Exempt Wells – Industrial/Commercial	0	0	0	0	0	0	5	1	0	0
Non Exempt Wells – Public Water Supply	0	1	0	2	0	0	1	0	2	1
TOTAL REGISTERED/PERMITTED	**57**	**58**	**66**	**78**	**60**	**87**	**141**	**87**	**70**	**85**

DISTRICT WIDE TOTALS

Total	2017	2016	2015	2014	2013	2012	2011	2010	2009	2008
Exempt/Registered Wells - Domestic	257	234	260	236	230	244	329	306	269	191
Exempt/Registered Wells - Other	6	3	9	13	19	19	39	18	12	12
Exempt/Registered Wells - Oil Gas Related	25	16	12	55	33	49	71	49	41	100
Non Exempt Wells – Industrial/Commercial	0	1	3	0	0	4	9	3	1	3
Non Exempt Wells – Public Water Supply	0	1	2	5	1	0	4	1	2	5
TOTAL REGISTERED/PERMITTED	**288**	**255**	**286**	**309**	**283**	**316**	**452**	**377**	**325**	**311**

Wells Registered in Jasper County - 2017



Jasper County Exempt Domestic Wells - 2017

ID NO.	COMMENT	OWNER LAST	OWNER FIRST	DRILLER LAST	DRILLER FIRST	DATE REGISTERED	GEOLOGIC UNIT	AQUIFER
3459	New well		David	Jones	Whit	01/05/2017	Willis	Chicot
3460	New well		Ashlyn	Jones	Whit	01/05/2017	Lissie	Chicot
3463	New well		Dale and Rebecca	Jones	B. J.	01/10/2017	Willis	Chicot
3466	New well		Garry and Ellyn	Jones	B. J.	01/11/2017	Willis	Chicot
3491	New well		Joseph	Jones, S.	Dale	02/07/2017	Lissie	Chicot
3499	New well		Bert	Jones	B. J.	02/13/2017	Unknown	Unknown
3511	New well		Tommy	Gore	Dale	02/27/2017	Lissie	Chicot
3513	New well		Bryan	Jones	B. J.	03/01/2017	Lissie	Chicot
3520	New well		Keith	Jones	B. J.	03/06/2017	Oakville	Jasper
3535	New well		Shane and Priscilla	Holt	Geneva	03/20/2017	Oakville	Jasper
3534	New well		Jimmy	Gore	Dale	03/22/2017	Lissie	Chicot
3536	New well		Shirley	Gore	Dale	03/26/2017	Lissie	Chicot
3538	New well		Stuard	Jones	B. J.	03/31/2017	Unknown	Unknown
3540	New well		Joseph	Paskell	John	04/01/2017	Lissie	Chicot
3542	New well		Nancy	Holt	Geneva	04/06/2017	Unknown	Unknown
3548	New well		Lorene	Jones	B. J.	04/13/2017	Lower Lagarto	Jasper
3555	New well		Scarlett	Jones	B. J.	04/24/2017	Unknown	Unknown
3560	New well		Branden	Holt	Geneva	04/26/2017	Lissie	Chicot
3561	New well		Buddy	Gore	Dale	04/26/2017	Lower Lagarto	Jasper
3565	New well		Bob and Donna	Bishop	Nathan	05/04/2017	Unknown	Unknown
3576	New well		Seth	Holt	Geneva	05/09/2017	Lissie	Chicot
3578	New well		Rose	Whit	Jones	05/09/2017	Lissie	Chicot

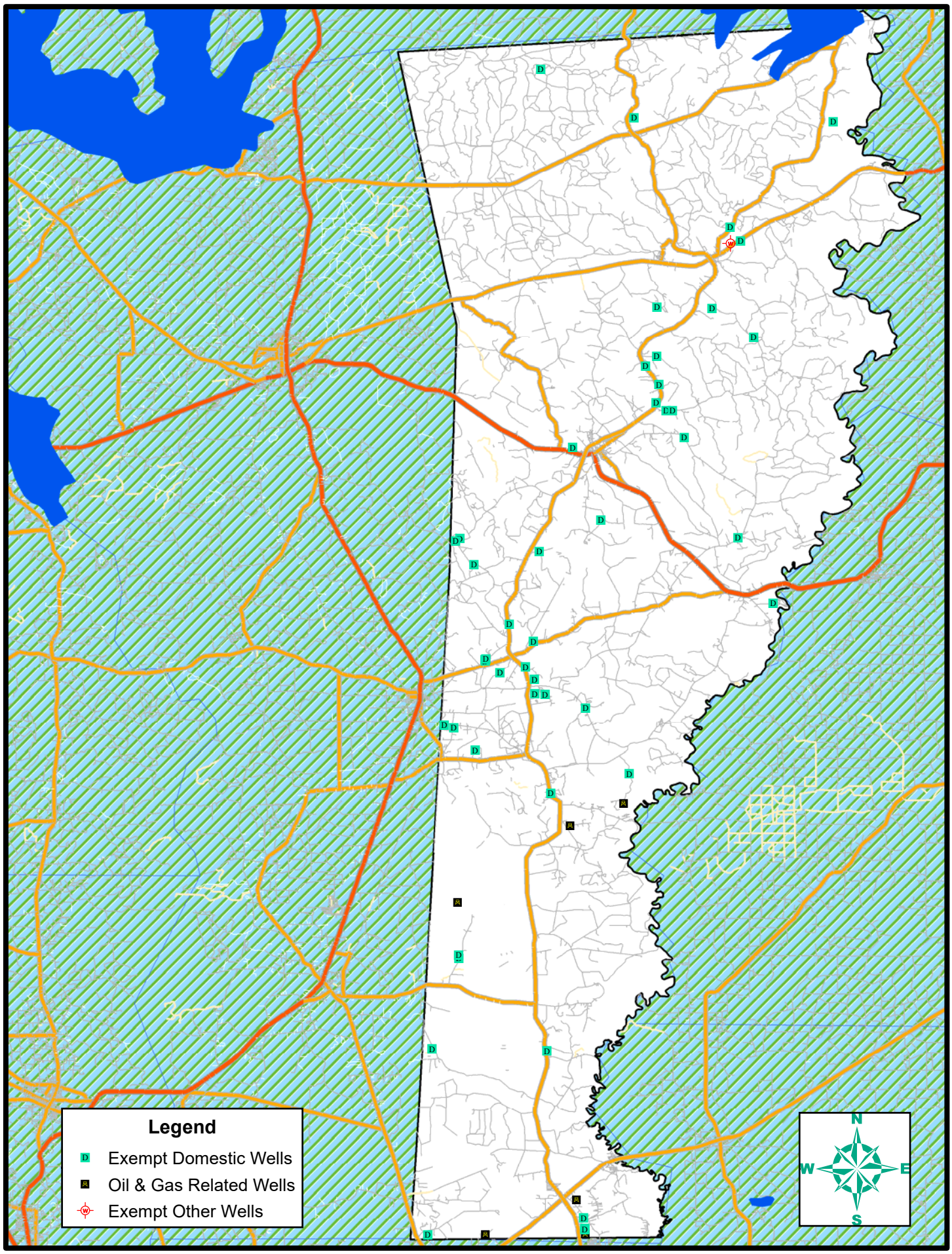
ID NO.	COMMENT	OWNER LAST	OWNER FIRST	DRILLER LAST	DRILLER FIRST	DATE REGISTERED	GEOLOGIC UNIT	AQUIFER
3584	New well		Blake	Jones	Wes	05/11/2017	Lissie	Chicot
3586	New well		Harry	Jones	Whit	05/16/2017	Lissie	Chicot
3600	New well		Robby	Jones	Whit	05/29/2017	Unknown	Unknown
3603	New well		Gary	Jones	Wes	06/02/2017	Lissie	Chicot
3605	New well		Raymond	Holt	Geneva	06/06/2017	Oakville	Jasper
3611	New well		Christine	Paskell	John	06/10/2017	Lissie	Chicot
3625	New well		Tom	Turk	Mitch	06/21/2017	Lissie	Chicot
3626	New well		John	Jones	B. J.	06/21/2017	Unknown	Unknown
3631	New well		Michael	Holt	Geneva	06/27/2017	Willis	Chicot
3641	New well		Daniel	Paskell	John	07/08/2017	Lissie	Chicot
3643	New well		Wesley	Holt	Geneva	07/08/2017	Willis	Chicot
3646	New well		Brenda	Jones	Wes	07/10/2017	Lissie	Chicot
3845	New well		Duane	Jones	Wes	07/12/2017	Lissie	Chicot
3647	New well		Charles	Jones	B. J.	07/13/2017	Unknown	Unknown
3504	New well		Josh	Jones, Sr.	Dale	07/16/2017	Lissie	Chicot
3706	Replacement well		Gary and LeaAnne	Jones	B. J.	07/17/2017	Lissie	Chicot
3708	New well		Ross	Holt	Geneva	07/19/2017	Willis	Chicot
3709	New well		Craig	Holt	Geneva	07/19/2017	Willis	Chicot
3716	New well		Michael	Jones	B. J.	07/20/2017	Unknown	Unknown
3718	Replacement well		Keith	Paskell	John	07/22/2017	Lissie	Chicot
3739	New well		James	Holt	Geneva	07/26/2017	Lower Lagarto	Jasper
3748	New well		Douglas	Gore	Dale	08/10/2017	Lissie	Chicot
3747	New well		Herbert	Holt	Geneva	08/14/2017	Unknown	Unknown
3755	New well		Michael	Paskell	John	08/22/2017	Willis	Chicot
3756	New well		Lindsey	Jones	B. J.	08/22/2017	Unknown	Unknown

ID NO.	COMMENT	OWNER LAST	OWNER FIRST	DRILLER LAST	DRILLER FIRST	DATE REGISTERED	GEOLOGIC UNIT	AQUIFER
3754	new well		Paul	Gore	Dale	08/23/2017	Unknown	Unknown
3768	New well		James	Jones	B. J.	08/24/2017	Unknown	Unknown
3760	New well		Fred	Jones	B. J.	09/01/2017	Unknown	Unknown
3763	Existing well		Ricky	U/K	U/K	09/06/2017	<null>	<null>
3772	New well		Steve	Holt	Geneva	09/21/2017	Willis	Chicot
3781	New well		J. Tyson	Jones	B. J.	09/25/2017	Unknown	Unknown
3783	New well		Richard	Jones	B. J.	09/26/2017	Unknown	Unknown
3790	New well		Margaret M.	Jones	B. J.	10/06/2017	Unknown	Unknown
3793	New well		Brian	Holt	Geneva	10/09/2017	Unknown	Unknown
3802	New well		Larry	Holt	Geneva	10/16/2017	Lower Lagarto	Jasper
3804	New well		Terry	Holt	Geneva	10/19/2017	Lissie	Chicot
3813	New well		Mark	Turk	Mitch	10/30/2017	Lissie	Chicot
3815	New well		Michael	Holmes	Kenneth	10/31/2017	Lissie	Chicot
3817	New well		Aaron	Turk	Mitch	11/02/2017	Lissie	Chicot
3823	New well		James	Jones	B. J.	11/07/2017	Lower Lagarto	Jasper
3827	New wel		Paul	Gore	Dale	11/13/2017	Lissie	Chicot
3838	New well		David	Jones	Wes	11/30/2017	<null>	<null>
3850	Replacement well		Tommy	Jones	B. J.	12/07/2017	<null>	<null>
3847	New well		Jennifer	Holt	Geneva	12/11/2017	<null>	<null>
3849	New well		Terry	Jones	B. J.	12/12/2017	<null>	<null>
3852	New well		Simeon	Bishop	Nathan	12/12/2017	Lissie	Chicot
3855	New well		Gary	Turk	Mitch	12/14/2017	<null>	<null>
3854	New well		Paul	Jones	B. J.	12/15/2017	<null>	<null>
3860	New well		Joe	Jones	B. J.	12/20/2017	<null>	<null>

Jasper County Oil & Gas Related Wells - 2017

WELL NAME	FRACKED?	WELL OWNER	DRILLING COMPANY	DATE DRILLED	GEOLOGIC UNIT	AQUIFER
Cletus #1	N/K	Geo Southern	Fas-Line Services	01/02/2017	Oakville	Jasper
Hill #1	N	Wagner Oil Company	Guichard Operating Co.	04/06/2017	Lissie	Chicot
Mary Rene 1H	N/K	Geo Southern	Fasline Services Inc.	04/24/2017	Oakville	Jasper
Crown Pine #1	N	Wagner Oil Company	Guichard Operating Co.	04/27/2017	Lissie	Chicot
Forestar Minerals #2	N	Forza Operating, LLC	George Bellenger Water	04/27/2017	Lissie	Chicot
Daffy #1	N	LEP Development Co., LLC	George Bellinger Water	07/08/2017	Lissie	Chicot
Thunderbolt UT #1	N	BBX Operating	J&S Water Wells	08/07/2017	<null>	<null>
H J Ballard #1	N	Choice Exploration, Inc.	B&L Water Well Service	08/14/2017	Beaumont	Chicot

Wells Registered in Newton County - 2017



Newton County Exempt Domestic Wells - 2017

ID NO.	COMMENT	OWNER LAST	OWNER FIRST	DRILLER LAST	DRILLER FIRST	DATE REGISTERED	GEOLOGIC UNIT	AQUIFER
3470	New well		Eddie	Bishop	Nathan	01/13/2017	Willis	Chicot
3472	New well		Rick	Bishop	Nathan	01/23/2017	Willis	Chicot
3477	New well		Norman and Mary	Jones	B. J.	01/31/2017	Willis	Chicot
3478	New well		Tommy	Holt	Geneva	01/31/2017	Willis	Chicot
3487	Replacement well		Randy	Davis	Graham	01/31/2017	Oakville	Jasper
3484	New well		Karla	Holt	Geneva	02/01/2017	Lissie	Chicot
3485	New well		Devin	Holt	Geneva	02/01/2017	MidLagarto	Burkeville
3550	New well		William	Holt	Geneva	02/08/2017	Lissie	Chicot
3503	New well		Calvin	Gore	Dale	02/15/2017	MidLagarto	Burkeville
3528	New well		Earl	Holt	Geneva	03/14/2017	Willis	Chicot
3529	New well		Bruce	Jones	Whit	03/14/2017	Lissie	Chicot
3532	Replacement		Kendall	Holt	Geneva	03/18/2017	Lissie	Chicot
3537	New well		Dennis	Gore	Dale	03/29/2017	Beaumont	Chicot
3541	New well		Todd	Gore	Dale	04/04/2017	Lissie	Chicot
3557	New well		Cindy	Holt	Geneva	04/24/2017	Willis	Chicot
3558	New well		Kenneth	Paskell	John	04/26/2017	Lissie	Chicot
3568	New well		Shelly	Bishop	Nathan	05/04/2017	Willis	Chicot
3571	New well		Patsy	Bishop	Nathan	05/08/2017	Willis	Chicot
3573	New well		David	Bishop	Nathan	05/08/2017	MidLagarto	Burkeville
3632	New well		Jack	Holt	Geneva	05/08/2017	Willis	Chicot
3581	Replacement well		Amanda	Jones	B. J.	05/10/2017	Willis	Chicot
3585	New well		Raymond	Jones	B. J.	05/15/2017	Willis	Chicot

ID NO.	COMMENT	OWNER LAST	OWNER FIRST	DRILLER LAST	DRILLER FIRST	DATE REGISTERED	GEOLOGIC UNIT	AQUIFER
3594	New well		Austin	Paskell	John	05/27/2017	Lissie	Chicot
3597	New well		Kristi	Bishop	Nathan	05/29/2017	Willis	Chicot
3598	New well		Jerry	Bishop	Nathan	05/29/2017	MidLagarto	Burkeville
3596	New well		Dena	Bishop	Nathan	05/30/2017	Willis	Chicot
3740	New well		Mike	Gore	Dale	06/10/2017	Lissie	Chicot
3621	New well		Chester	Holt	Geneva	06/19/2017	Lissie	Chicot
3721	New well		Harry	Willoughby	Matt	07/22/2017	Lissie	Chicot
3734	New well		Glenn	Paskell	John	07/25/2017	Lissie	Chicot
3736	New well		Kristy	Holt	Geneva	07/25/2017	Lissie	Chicot
3738	New well		Shaun	Paskell	John	07/26/2017	Lissie	Chicot
3742	New well		Craig	Bishop	Nathan	07/29/2017	Lower Lagarto	Jasper
3753	New well		Mary	Holt	Geneva	08/21/2017	Lissie	Chicot
3769	New well		Antonious	Holt	Geneva	09/10/2017	MidLagarto	Burkeville
3766	New well		Gloria	Gore	Dale	09/11/2017	Willis	Chicot
3779	New well		Rene	Paskell	John	09/23/2017	Lissie	Chicot
3787	New well		Kenith	Gore	Dale	10/03/2017	Willis	Chicot
3788	New well		Robert	Bishop	Nathan	10/03/2017	Willis	Chicot
3794	New well		Jessica	Holt	Geneva	10/09/2017	Lissie	Chicot
3800	New well		Barry	Jones	Whit	10/13/2017	Lissie	Chicot
3805	New well		Marianne Goebel	Jones	B. J.	10/19/2017	<null>	<null>
3806	New well / physical local neighbors address		Donald Larry	Gore	Dale	10/20/2017	Lissie	Chicot
3818	New well		Joseph	Jones	Whit	11/06/2017	Lissie	Chicot
3837	New well		Amanda	Paskell	John	11/26/2017	Lissie	Chicot

ID NO.	COMMENT	OWNER LAST	OWNER FIRST	DRILLER LAST	DRILLER FIRST	DATE REGISTERED	GEOLOGIC UNIT	AQUIFER
3842	New well		John	Bishop	Nathan	11/30/2017	Middle Lagarto	Burkeville Unit
3848	New well		Earl	Holt	Geneva	12/11/2017	<null>	<null>

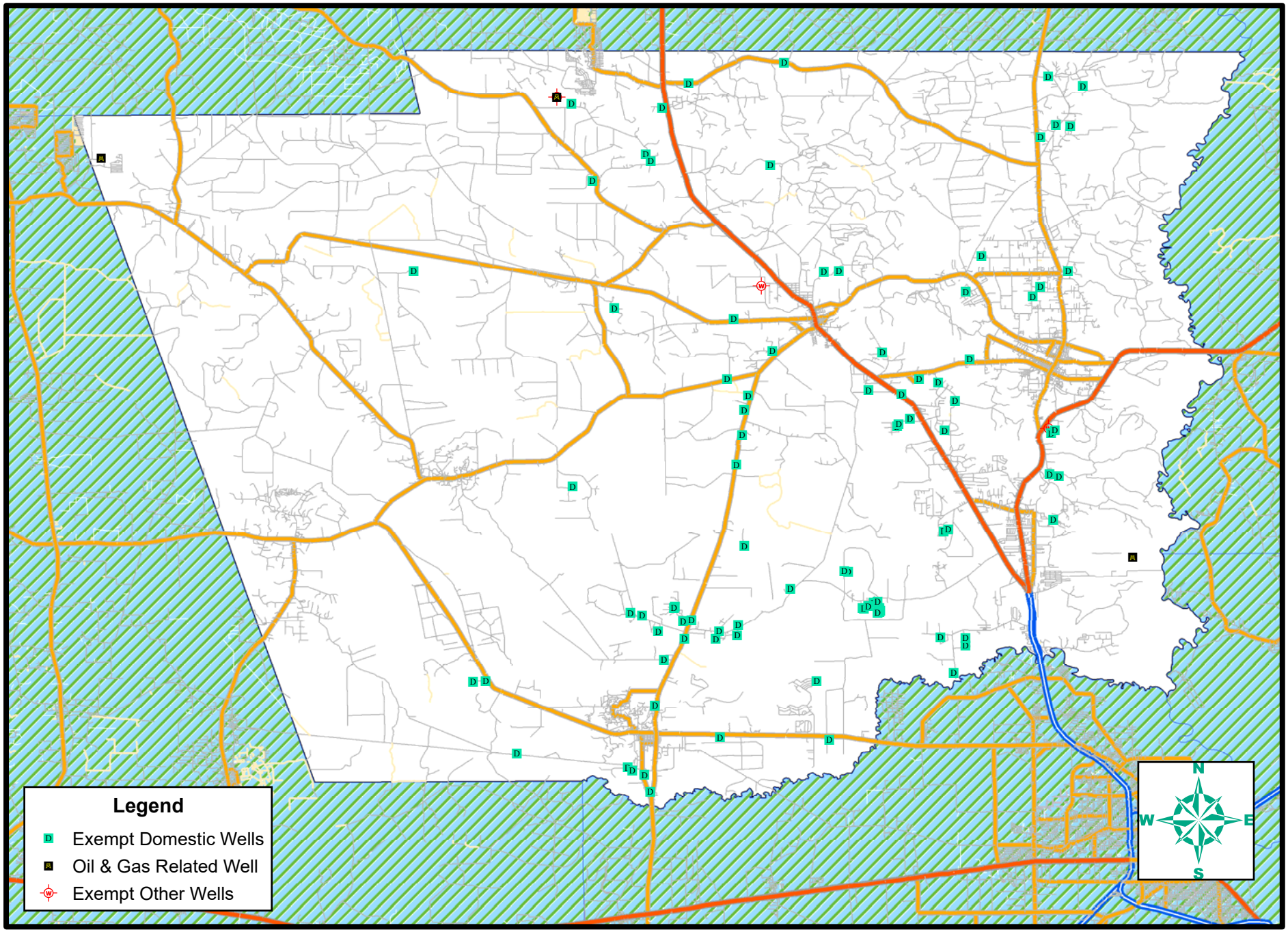
Newton County Exempt Other Wells - 2017

ID NO.	OWNER LAST	OWNER FIRST	COMMENT	DRILLER LAST	DRILLER FIRST	DATE DRILLED	GEOLOGIC UNIT	AQUIFER
289		Bill and Veigh	New well / Ball Field /less than 25,000 gpd	Bishop	Nathan	03/23/2017	Lower Lagarto	Jasper

Newton County Oil & Gas Related Wells - 2017

WELL NAME	FRACKED?	WELL OWNER	DRILLING COMPANY	DATE DRILLED	GEOLOGIC UNIT	AQUIFER
Bledsoe Lindsey #1	N	Tri-C Resources, LLC	Guichard Operating	02/15/2017	Beaumont	Chicot
Blackstone #1	N	Trek Resources, Inc.	George Bellenger Water	04/14/2017	Lissie	Chicot
Kurth #8A	N	Foundation Energy Mgt.	B&L Water Well Service	05/16/2017	Lissie	Chicot
Brinson #1	N	Hilcorp Energy Corp.	B&L Water Wells Service	07/20/2017	Beaumont	Chicot
Clarybar Unit #1	N	Hilcorp Energy Corp.	B&L Water Wells Service	07/21/2017	Beaumont	Chicot
Quinn #1	Y	Wagner Oil Co.	B&L Water Well Service	08/15/2017	Lissie	Chicot

Wells Registered in Hardin County - 2017



Hardin County Exempt Domestic Wells - 2017

ID NO.	COMMENT	OWNER LAST	OWNER FIRST	DRILLER LAST	DRILLER FIRST	DATE REGISTERED	GEOLOGIC UNIT	AQUIFER
3458	New well		Blaine	Turk	Mitch	01/04/2017	Willis	Chicot
3461	New well		Anna Beth	Holmes	Kenneth	01/05/2017	Lissie	Chicot
3457	New well		Hunter	Paskell	John	01/07/2017	Lissie	Chicot
3467	New well		Justin	Holmes	Kenneth	01/11/2017	Lissie	Chicot
3468	New well		Raymond	Jones	Whit	01/12/2017	Lissie	Chicot
3471	Replacement well		Pam	Turk	Mitch	01/14/2017	Lissie	Chicot
3473	New well		Jerry	Gore	Dale	01/26/2017	Lissie	Chicot
3474	New well		Richard	Jones, Sr.	Dale	01/27/2017	Lissie	Chicot
3486	New well		Christina	Jones	Wes	02/01/2017	Willis	Chicot
3490	New well		Chuck	Turk	Mitch	02/04/2017	Lissie	Chicot
3489	New well		Tammy	Paskell	Keith	02/05/2017	Lissie	Chicot
3488	New well		Blake	Jones, Sr.	Dale	02/06/2017	Lissie	Chicot
3496	New well		John	West	Randy	02/07/2017	Lissie	Chicot
3497	New well		David	Turk	Mitch	02/13/2017	Willis	Chicot
3506	New well		William	Turk	Mitch	02/18/2017	Willis	Chicot
3507	New well		Paul	Paskell	John	02/22/2017	Lissie	Chicot
3508	New well		Shelia	Turk	Mitch	02/25/2017	Lissie	Chicot
3509	New well		Gerald	Turk	Mitch	02/25/2017	Willis	Chicot
3512	New well		Jeremy	Jones	Whit	02/28/2017	Lissie	Chicot
3515	New well		Ase	Paskell	John	03/03/2017	Lissie	Chicot
3516	New well		Wayne	Holmes	Kenneth	03/03/2017	Willis	Chicot
3518	New well		Liz	Holmes	Kenneth	03/03/2017	Lissie	Chicot
3525	New well		Linda	Gore	Dale	03/14/2017	Lissie	Chicot

ID NO.	COMMENT	OWNER LAST	OWNER FIRST	DRILLER LAST	DRILLER FIRST	DATE REGISTERED	GEOLOGIC UNIT	AQUIFER
3526	New well		Josh	Turk	Mitch	03/14/2017	Willis	Chicot
3533	New well		James	Gore	Dale	03/21/2017	Lissie	Chicot
3539	New well		Justin	Gore	Dale	03/31/2107	Lissie	Chicot
3544	New well		Sharlyn	Jones	Wes	04/10/2017	Beaumont	Chicot
3545	New well		Samantha	Turk	Mitch	04/12/2017	Lissie	Chicot
3546	New well		Harold	Jones	Wes	04/19/2017	Willis	Chicot
3547	New well		Kirk	Turk	Mitch	04/19/2017	Lissie	Chicot
3552	New well		Seth	Paskell	John	04/21/2017	Lissie	Chicot
3554	New well		Reba	Gore	Dale	04/21/2017	Lissie	Chicot
3556	New well		Mark	Holmes	Kenneth	04/24/2017	Lissie	Chicot
3574	New well		Norman	Paskell	John	05/09/2017	Lissie	Chicot
3582	New well		Danny	Gore	Dale	05/10/2017	Lissie	Chicot
3587	Replacement well		Benny	West	Randy	05/16/2017	Lissie	Chicot
3593	Replacement well		Dean	Turk	Mitch	05/25/2017	Willis	Chicot
3601	New well		Louis	Gore	Dale	05/29/2017	Lissie	Chicot
3604	Replacement well		Bill	Gore	Dale	06/05/2017	Lissie	Chicot
3608	New well		Brandon	West	Randy	06/07/2017	Lissie	Chicot
3612	New well		Phillip	Gore	Dale	06/12/2017	Lissie	Chicot
3613	New well		Terry and Joe	Paskell	John	06/14/2017	Willis	Chicot
3614	New well		Donald	Gore	Dale	06/15/2017	Lissie	Chicot
3616	New well		Joy	Turk	Mitch	06/17/2017	Willis	Chicot
3624	New well		Shelton	Paskell	John	06/20/2017	Lissie	Chicot
3628	New well		John	Jones	Wes	06/23/2017	Lissie	Chicot
3629	New well		Terry	Gore	Dale	06/24/2017	Lissie	Chicot

ID NO.	COMMENT	OWNER LAST	OWNER FIRST	DRILLER LAST	DRILLER FIRST	DATE REGISTERED	GEOLOGIC UNIT	AQUIFER
3635	New well		John Pat	Gore	Dale	06/29/2017	Willis	Chicot
3639	New well		Will	Paskell	John	07/05/2017	Willis	Chicot
3640	New well		Marcus	Turk	Mitch	07/06/2017	Lissie	Chicot
3637	New well		Darren	Jones	Whit	07/07/2017	Lissie	Chicot
3642	New well		Michael	Gore	Dale	07/10/2017	Lissie	Chicot
3710	New well		Kerry	Paskell	John	07/19/2017	Lissie	Chicot
3719	New well		Tommy	Jones	Wes	07/20/2017	Willis	Chicot
3717	New well		Alan	Gore	Dale	07/21/2017	Lissie	Chicot
3720	New well		Jamie	Turk	Mitch	07/22/2017	Lissie	Chicot
3737	New well / New construction			Turk/Jones	Mitch/Wes	07/25/2017	Lissie	Chicot
3741	New well		Pamela	Gore	Dale	07/30/2017	Lissie	Chicot
3743	New well		Richard	Jones	Wes	08/01/2017	Lissie	Chicot
3745	New well		Homer	Turk	Mitch	08/01/2017	Lissie	Chicot
3744	New well		David	Jones	Wes	08/02/2017	Willis	Chicot
3746	New well		Brandon	Paskell	Keith	08/11/2017	Lissie/Willis	Chicot
3749	New well		Robert	Jones, Sr.	Dale	08/15/2017	Lissie	Chicot
3750	New well		Ryan	Paskell	John	08/17/2017	Lissie	Chicot
3751	New well		Eldon	West	Randy	08/17/2017	Lissie	Chicot
3752	New well		Henry	Paskell	John	08/19/2017	Lissie	Chicot
3761	New well		R.C.	Gore	Dale	09/04/2017	Willis	Chicot
3767	New well		Dwayne	Gore	Dale	09/13/2017	Lissie	Chicot
3774	New well		RIchard and Audrey	Gore	Dale	09/18/2017	Willis	Chicot
3782	New well		Randy	Gore	Dale	09/26/2017	Lissie	Chicot
3784	New well		Billy	Gore	Dale	09/27/2017	Lissie	Chicot
3786	Replacement		Robb	Turk	Mitch	09/29/2017	Lissie	Chicot

ID NO.	COMMENT	OWNER LAST	OWNER FIRST	DRILLER LAST	DRILLER FIRST	DATE REGISTERED	GEOLOGIC UNIT	AQUIFER
	well							
3789	New well		Steven	Gore	Dale	10/04/2017	Lissie	Chicot
3791	New well		Dude	Gore	Dale	10/08/2017	Willis	Chicot
3799	New well		Howard	Paskell	John	10/16/2017	Lissie	Chicot
3809	New well		Charles	Paskell	John	10/24/2017	Lissie	Chicot
3811	New well		Jason	Paskell	John	10/25/2017	Lissie	Chicot
3812	New well		Joeseph and Christina	Paskell	John	10/26/2017	Lissie	Chicot
3816	New well		Darrell	Jones	Wes	11/02/2017	<null>	<null>
3819	New well		Thistle	Paskell	Keith	11/04/2017	Lissie	Chicot
3825	New well		Lynn	Turk	Mitch	11/09/2017	Lissie	Chicot
3830	New well / Developer		J.D.	Gore	Dale	11/14/2017	Lissie	Chicot
3831	New well / Developer		J.D.	Gore	Dale	11/14/2017	Lissie	Chicot
3832	New well		Chris	Holmes	Kenneth	11/14/2017	Lissie	Chicot
3834	New well		Arlis	Turk	Mitch	11/20/2017	<null>	<null>
3839	New well		Matthew	Paskell	John	11/30/2017	Lissie	Chicot
3846	New well		Sterling and Rebecca	Holmes	Kenneth	12/05/2017	<null>	<null>
3858	New well		Jim	Gore	Dale	12/20/2017	<null>	<null>
3861	New well		Kevin	Gore	Dale	12/20/2017	Lissie	Chicot
3862	New well		Gary	Gore	Dale	12/27/2017	Lissie	Chicot
3863	New well		Jeremiah	Paskell	John	12/29/2017	Lissie	Chicot
3864	New well		Kelly	Paskell	John	12/29/2017	Lissie	Chicot

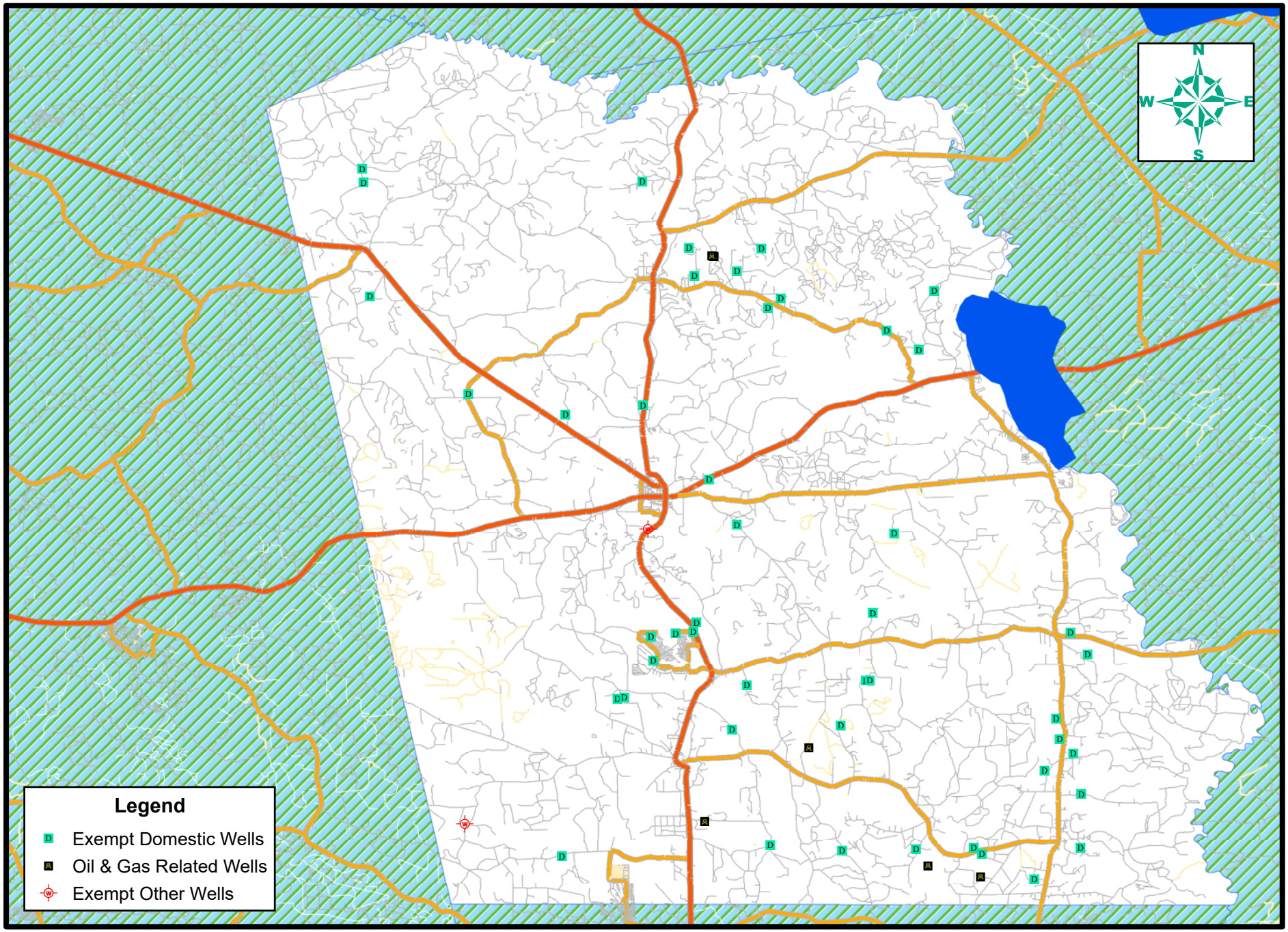
Hardin County Exempt Other Wells - 2017

ID NO.	OWNER LAST	OWNER FIRST	COMMENT	DRILLER LAST	DRILLER FIRST	DATE DRILLED	GEOLOGIC UNIT	AQUIFER
293	Unit Petroleum	<null>	Existing well/less than 25,000 gpd	Trejo	Primo	01/31/2017	Willis	Chicot
290		Jeremy	New well / livestock	Turk	Mitch	05/17/2017	Willis	Chicot
296		Robert	Church / Replacement well	Turk	Mitch	08/26/2017	Lissie	Chicot

Hardin County Oil & Gas Related Wells - 2017

WELL NAME	FRACKED?	WELL OWNER	DRILLING COMPANY	DATE DRILLED	GEOLOGIC UNIT	AQUIFER
West University 1H	N/K	Unit Petroleum	J&S Water Wells	01/31/2017	Willis	Chicot
BP Fletcher #1	N	Upstream Exploration, LLC	Paskell Water Wells	05/16/2017	Lissie	Chicot
Pepper Jack #1	Y	Black Stone Energy Co.	B&L Water Well Service	11/22/2017	Lissie	Chicot

Wells Registered in Tyler County - 2017



Tyler County Exempt Domestic Wells - 2017

ID NO.	COMMENT	OWNER LAST	OWNER FIRST	DRILLER LAST	DRILLER FIRST	DATE REGISTERED	GEOLOGIC UNIT	AQUIFER
3501	New well		Randall	Gore	Dale	02/07/2017	Unknown	Unknown
3498	New well		Jerry	Jones	B. J.	02/13/2017	Unknown	Unknown
3502	New well		Lorrie	Gore	Dale	02/15/2017	Lissie	Chicot
3505	New well		Margaret	Jones, Sr.	Dale	02/20/2017	Willis	Chicot
3510	New well		Ernie	Holt	Geneva	02/27/2017	Willis	Chicot
3519	New well		Shawn	Paskell	John	03/04/2017	Willis	Chicot
3521	New well		Ruben	Holt	Geneva	03/09/2017	Willis	Chicot
3522	Replacement well		Jim	Jones	B. J.	03/10/2017	Oakville	Jasper
3523	New well		Donna	Gore	Dale	03/13/2017	Lissie	Chicot
3524	New well for guest house		Ruben	Gore	Dale	03/13/2017	Willis	Chicot
3527	New well		Ramon	Holt	Geneva	03/14/2017	Willis	Chicot
3530	New well		Stephen	Gore	Dale	03/18/2017	Lissie	Chicot
3531	New well		Steve	Gore	Date	03/18/2017	Lower Lagarto	Jasper
3543	New well		Patty	Holmes	Kenneth	04/06/2017	Willis	Chicot
3549	New well		David	Jones	B. J.	04/19/2017	Unknown	Unknown
3583	Replacement well		Rusty	Turk	Mitch	05/13/2017	Lissie	Chicot
3588	New well		Erik	Holmes	Kenneth	05/24/2017	Willis	Chicot
3606	New well		Hi	Jones	B. J.	06/06/2017	Lower Lagarto	Jasper
3607	New well		William	Holt	Geneva	06/08/2017	Unknown	Unknown
3615	New well		Randy	Jones	Dale	06/16/2017	Unknown	Unknown
3617	New well		Robert	Gore	Dale	06/19/2017	Lower Lagarto	Jasper
3622	New well		Doretta	Jones	B. J.	06/19/2017	Unknown	Unknown

ID NO.	COMMENT	OWNER LAST	OWNER FIRST	DRILLER LAST	DRILLER FIRST	DATE REGISTERED	GEOLOGIC UNIT	AQUIFER
3627	Replacement well		Debbie	Gore	Dale	06/23/2017	Unknown	Unknown
3638	New well		Douglas	Gore	Dale	07/04/2017	Lissie	Chicot
3645	New well		Edward	Jones	B. J.	07/06/2017	Unknown	Unknown
3648	New well		Judy	Paskell	John	07/13/2017	Willis	Chicot
3704	New well		Josh	Paskell	John	07/15/2017	Willis	Chicot
3705	New well		Earnest	Gore	Dale	07/17/2017	Lissie	Chicot
3732	New well		Bobby	Jones	B. J.	07/25/2017	Willis	Chicot
3758	New well		Fred	Holt	Geneva	08/23/2017	Lissie	Chicot
3762	New well		Wesley	Gore	Dale	09/05/2017	Willis	Chicot
3770	New well		Donna	Holt	Geneva	09/18/2017	Unknown	Unknown
3785	New well		John	Gore	Dale	09/27/2017	Unknown	UnKnown
3801	New well		James	Jones	B. J.	10/16/2017	Lower Lagarto	Jasper
3807	New well		James	Gore	Dale	10/22/2017	Lissie	Chicot
3808	New well		David	Jones	B. J.	10/24/2017	Willis	Chicot
3810	Replacement well		Charlotte	Jones	B. J.	10/25/2017	Willis	Chicot
3821	New well		Perry	Paskell	Keith	11/05/2017	Lissie	Chicot
3828	New well		John	Holt	Geneva	11/14/2017	Oakville	Jasper
3829	New well		Gilbert	Holt	Geneva	11/14/2017	Unknown	Unknown
3833	New well		Jimmy	Gore	Dale	11/15/2017	Willis	Chicot
3835	New well		Robert	Gore	Dale	11/21/2017	Willis	Chicot
3836	New well		J.B.	Gore	Dale	11/21/2017	Willis	Chicot
3843	New well		Allyson	Turk	Mitch	12/03/2017	<null>	<null>
3851	New well		Lorry	Gore	Dale	12/08/2017	Lissie	Chicot
3853	New well		Russell	Gore	Dale	12/15/2017	Lissie	Chicot
3856	New well		Bryan	Holt	Geneva	12/19/2017	<null>	<null>

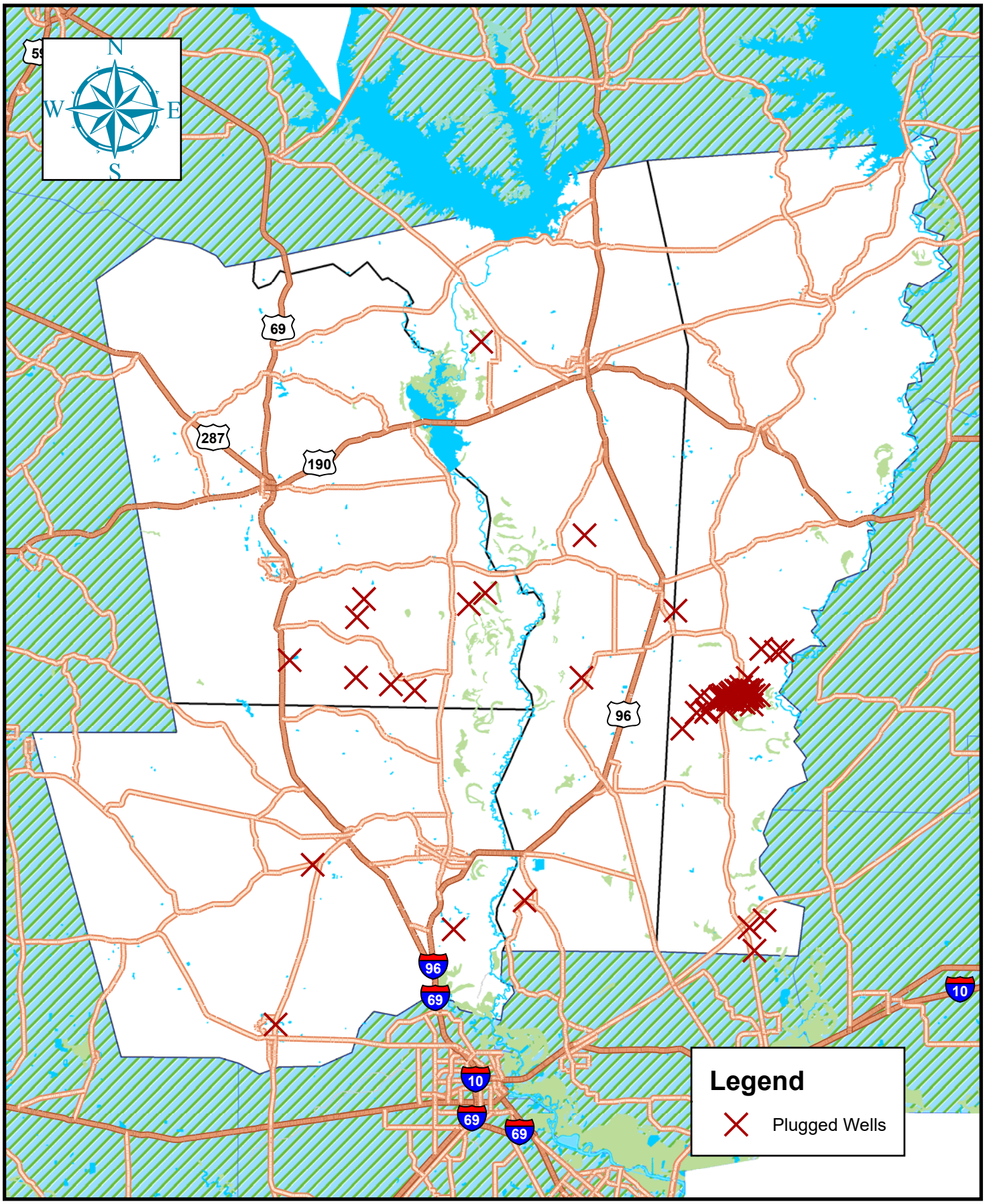
Tyler County Exempt Other Wells - 2017

ID NO.	OWNER LAST	OWNER FIRST	COMMENT	DRILLER LAST	DRILLER FIRST	DATE DRILLED	GEOLOGIC UNIT	AQUIFER
298		Danny	New well / less than 25,000 gpd	Holt	Geneva	11/21/2017	Willis	Chicot
299	Superior Pipeline	Thomas Strickland	New well / Less than 25,000 gpd	Turk	Mitch	12/02/2017	<null>	<null>

Tyler County Oil & Gas Related Wells - 2017

WELL NAME	FRACKED?	WELL OWNER	DRILLING COMPANY	DATE DRILLED	GEOLOGIC UNIT	AQUIFER
Douglas MacArthur #1	N	Fort Apache Energy, Inc.	B&L Water Well Services	01/20/2017	Willis	Chicot
BP A856-1 #1	N	Sue-Ann Operating LC	B&L Water Well Service	04/27/2017	Lissie	Chicot
Blackstone Minerals #3	N	Magnum Producing, LP	Fas-Line Services	05/13/2017	Lissie	Chicot
BSMC A937 1H #1	N	Cornerstone Petroleum	Pinnergy LTD	05/17/2017	<null>	<null>
BSMC A937 1H #2	N	Cornerstone Petroleum	Pinnergy LTD	05/17/2017	<null>	<null>
BSMC A937 1H #3	Y	Cornerstone Petroleum	Weisinger Inc.	06/10/2017	<null>	<null>
BSMC A937 1H #4	Y	Cornerstone Petroleum	Pinergy LTD	06/13/2017	<null>	<null>
Snake Farm #1	N	Riverfront Exploration	B&L Water Well Service	11/15/2017	<null>	<null>

Plugged Wells - 2017



Plugged Wells 2017

IDENT	Owner Last Name	Owner First Name	Company	Date_Plugged
IESI Landfill			Progressive Waste / IESI	01/12/2017
Fregia A	Fregia	Ase		03/03/2017
Seedling nursery well #2			Crown Pine Timber	03/24/2017
Douglas MacArthur #1			Fort Apache Energy, Inc.	03/28/2017
M. A. Monsoor #1			Fort Apache Energy, Inc.	03/28/2017
Big John D. #1			Fort Apache Energy, Inc.	03/28/2017
Whitton #2	<null>	<null>	BXP LTD	03/31/2017
Pure Resources #4	<null>	<null>	BXP LTD	04/10/2017
Morgan Smith #1	<null>	<null>	BXP LTD	04/10/2017
McBride #1			BXP LTD	04/10/2017
Hartwood #1	<null>	<null>	BXP LTD	04/11/2017
Champion #3			BXP LTD	04/11/2017
Newton B-2			BXP LTD	04/11/2017
Pure Resources A-03			BXP LTD	04/11/2017
Arco Call Jones #06			BXP LTD	04/12/2017
Arco Call Jones #08			BXP LTD	04/12/2017
Champion Ray #2			BXP LTD	04/12/2017
Arco Call Jones #05			BXP LTD	04/13/2017
Champion Ray #03			BXP LTD	04/14/2017
Newton D #01			BXP LTD	04/14/2017
Pure A-06			BXP LTD	04/17/2017
Newton B-03			BXP LTD	04/17/2017
Newton B-06			BXP LTD	04/17/2017
Newton B-07			BXP LTD	04/17/2017

IDENT	Owner Last Name	Owner First Name	Company	Date_Plugged
Newton B-01			BXP LTD	04/18/2017
Newton B-02			BXP LTD	04/18/2017
Vastar #2			BXP LTD	04/18/2017
Burns #4			BXP LTD	04/18/2017
Burns #5 & #6			BXP LTD	04/18/2017
Vastar #5			BXP LTD	04/19/2017
Vastar #4R			BXP LTD	04/19/2017
Quinn			BXP LTD	04/19/2017
Vastar #9			BXP LTD	04/19/2017
Newton B-05			BXP LTD	04/20/2017
Newton C-01			BXP LTD	04/20/2017
Newton C-02			BXP LTD	04/20/2017
Gemini #1			BXP LTD	04/21/2017
Newton B-04			BXP LTD	04/21/2017
Cassandra #1			BXP LTD	04/21/2017
Aeolus #1			BXP LTD	04/21/2017
Aeolus #2			BXP LTD	04/24/2017
Pure Resources #5			BXP LTD	04/24/2017
James Grey #1			BXP LTD	04/24/2017
James Grey #3			BXP LTD	04/24/2017
Roughneck #1			BXP LTD	04/24/2017
James Grey #2			BXP LTD	04/24/2017
Arco Call Field Office			BXP LTD	04/25/2017
BP A856-1 #1	<null>	<null>	Sue-Ann Operating LC	04/27/2017
Dragon			Dragon	05/05/2017
Blackstone Minerals #3		500 N. Shoreline	Magnum Producing, LP	05/13/2017

IDENT	Owner Last Name	Owner First Name	Company	Date_Plugged
Seabiscuit #1			Davis Southern Operating	05/25/2017
Chionsini #1			Davis Southern Operating	05/25/2017
BP Cheyenne #1			Davis Southern Operating	05/26/2017
BP Dang Me #1			Davis Southern Operating	05/26/2017
BP America A62-1			Tempest Energy Resources	05/26/2017
Kurth #8A	<null>	<null>	Foundation Energy Mgt.	06/06/2017
Crown Pine #1	<null>	<null>	Wagner Oil Company	06/06/2017
Morgan K	Morgan	Kendal		07/03/2017
Daffy #1			LEP Development Co., LLC	08/03/2017
Brinson #1			Hilcorp Energy Corp.	09/25/2017
Clarybar Unit #1	<null>	<null>	Wagner Oil Co.	10/13/2017
Quinn #1	<null>	<null>	Wagner Oil Co.	10/13/2017

GOAL 4.2

CONTROLLING AND PREVENTING THE WASTE OF GROUNDWATER IN THE DISTRICT

Objectives

1. *Each year, the District will make an evaluation of the District Rules to determine whether any amendments are recommended to decrease the amount of waste of groundwater within the District.*

2. *Each year, the District will provide information to the public on eliminating and reducing wasteful practices in the use of groundwater by posting an article or newsletter on groundwater waste reduction on the District's website.*

Performance Standard

1. *The District will include a copy of the meeting notice/agenda as well as the minutes of the meeting at which the District Rules were discussed and the determination of whether any amendments to the rules are recommended to prevent the waste of groundwater in the District's Annual Report.*

2. *Each year, a copy of the information provided in the groundwater waste reduction article or newsletter on the District's website will be included in the District's Annual Report.*

OBJECTIVE 1

Attached is a copy of the District's March 9, 2017 meeting notice/agenda as well as the minutes of the meeting at which the District's Rules were discussed and evaluated (Agenda Item 8), specifically considering any changes that would reduce the amount of waste of groundwater within the District. After discussing potential rule changes, no changes to the District Rules were recommended or made.

OBJECTIVE 2

A copy of the "Water Conservation Tips – Summertime Water Savings" article was posted on the District's "Conservation" webpage and was also submitted to seven local newspapers for publication on August 3, 2017. The article was also published in the Summer 2017 SETGCD Well Monitor Newsletter, which provides information on water conservation and waste reduction practices and was posted on the District's website to assist the public in eliminating or reducing wasteful practices. A copy of the article is included in this report as Appendix A (Tab 12).

GOAL 4.2

Additionally, a second article titled “Keep Some Jingle in your Pocket this Holiday Season – Water Saving Tips for the Holidays”, written by Karen Siddall of the Prairieland Groundwater Conservation District, was submitted to the District’s seven local newspapers on December 6, 2017.

The District also continues to provide electronic copies of three informative water conservation pamphlets on the District’s “Conservation” webpage: *Water Conserving Tips, Conserving Water Indoors, and Conserving Water Outdoors.* These pamphlets are designed by the Texas Water Development Board in conjunction with its Water IQ program. In addition to being available on the District’s website, these pamphlets are also provided to the owner of each new well registered within the District.

Additionally, in an effort to provide, in a more direct manner, information on eliminating and reducing wasteful practices to the younger residents of the District, 11,250 book covers were distributed to 16 separate schools systems. The District utilized a new book cover this year which not only provides information on simple ways to conserve water but also a graphic overview of the complex Groundwater Cycle.

Southeast Texas Groundwater Conservation District

NOTICE is given that the Board of Directors of the Southeast Texas Groundwater Conservation District will hold a monthly board meeting on Thursday March 9, 2017 starting at 10:00 a.m., at the Jasper-Newton Electric Co-op. meeting room, at 812 S. Margaret Avenue, in Kirbyville, Texas 75956 in accordance with the Texas Open Meeting Act, Chapter 551 of the Texas Government Code or (as amended).

Regular Board Meeting:

The items of business to be considered and transacted during the meeting are as follows:

1. Call to order;
2. Public comment (Comments are restricted to 3 minutes with a total of all comments limited to 30 minutes);
3. Discussion and possible action to approve the minutes of the February 9, 2017 Board meeting;
4. Discussion and possible action on the monthly Treasurer's Report and approval of payables presented;
5. Presentation and discussion of the District's 2016 annual financial audit performed by Axley & Rode;
6. Discussion and possible action to approve participation in Texpool and Texpool Prime;
7. Discussion and possible action regarding the 2016 Annual Report;
8. Discussion and possible action regarding potential changes to the District's Rules and specifically as they relate to Management Plan item 4.2(1) – "Evaluation of the District's Rules to determine whether any amendments are recommended to decrease the amount of waste of groundwater within the District";
9. Discussion and possible action regarding the re-adoption of the District's Management Plan;
10. Discussion and possible action to allow general manager to attend Water Well Technical Training seminar sponsored by TAGD and the Texas Well Owner Network;
11. Discussion and possible action regarding bills filed in the 85th Legislative Session;
12. Manager's Report, to include: BXP, potential future projects (Catahoula GAM Run / mapping aquifer layer), missing observation well, and drought conditions;
13. Establish date, time and place of next meeting; and,
14. Meeting adjourned.

John M. Martin
General Manager

Southeast Texas Groundwater Conservation District
Meeting Minutes
March 9, 2017
Jasper-Newton Electric Meeting Room
Kirbyville, Texas

Directors Present:
Walter R. Glenn, President
Roger Fussell, Vice President
Bobby Rogers
Sam Ashworth
Charles Zimmerman
Robyn Summerlin
Jim Boone

Directors Absent:
Jon Meek
Mitch McMillon
Greg Wobbe
Linda Powell
Olen Bean
Wendy Turner

John Martin, General Manager

Regular Board Meeting:

1. Call to order: At 10:00 a.m. President Glenn asked Treasurer Rogers to provide an invocation and then called to order the regular meeting of the Southeast Texas Groundwater Conservation District Board of Directors. President Glenn then asked Manager Martin to conduct roll call, and a quorum was confirmed with 7 Directors present and 6 Directors absent.

2. Public comment (comments are restricted to 3 minutes with a total of all comments limited to 30 minutes): President Glenn noted that Eric Carver and Anthony Garris of Axley & Rode, were in attendace to provide the report on the District's 2016 Annual Financial Audit. Shortly after the start of the meeting Chris Key of the ANRA arrived.

3. Discussion and possible action to approve the minutes of the February 9, 2017 Board meeting: Treasurer Rogers made a motion to approve the Meeting Minutes of the February 9, 2017 Board meeting. Director Ashworth seconded the motion. The motion passed unanimously.

At this point, President Glenn asked the Board's permission to move directly to agenda item five (5), the presentation of the District's 2016 financial audit by Mr. Carver and Garris. There were no objections.

4. Discussion and possible action on the monthly Treasurer's Report and approval of payables presented: Treasurer Rogers gave a thorough review of the District's March, 2017 Treasurer's Report and payables as presented. He reviewed each of the District's account balances, the monthly payables, and the expected FNB operating account balance after the payables have been paid.

Vice President Fussell made motion to accept the Treasurer's Report and approve the monthly payables. Director Ashworth seconded the motion. The motion passed unanimously.

5. Presentation and discussion of the District's 2016 annual financial audit performed by Axley & Rode: President Glenn introduced Mr. Anthony Garris of Axley & Rode. Mr. Garris commented that there were no negative issues or concerns with the District's 2016 finances. He then reviewed and pointed out some of the highlights of the 2016 annual financial audit such as the increase in collected fees for 2016.

He then commented on the GASB 68 data related to the employee retirement account and how it has noticeably increased the size of the audit report. Mr. Garris noted that last year the District's retirement account actually registered as an asset but that that had changed this year and was now a minor liability. Manager Martin asked how the investment could go from an asset the previous year to a liability this year. Mr. Carver stated that these changes were due to actuary calculations/estimates and would change from year to year.

Mr. Garris briefly reviewed the two letters included with the audit. One letter outlined the manner in which the audit was completed and remarked that there were no issues or difficulties completing the audit. The second letter is meant to communicate any issues that were discovered, and as is always the case, the only deficiency the District has is the fact that it has a lack of separation of duties. Mr. Garris noted that in an organization as small as ours this is was a common deficiency. He then stated that the Board should continue to review the District's financial data each month and that it is good that the District has an outside bookkeeper.

6. Discussion and possible action to approve participation in Texpool and Texpool Prime: Manager Martin reminded the Board that in January they approved the movement of funds from the FNB operating account to an investment fund. He pointed out that this was for two reasons: 1) there was an excess of funds in the operating account; and, 2) the total funds was nearing the $250,000 insured limit.

He then explained that he looked into several options such as a new CD or money market account but would be recommending participation in, and the opening of, a Texpool Prime account. He noted that Treasurer Rogers recommended looking into a similar fund called Logic, another governmental investment pool. Manager Martin stated that this fund was very similar to Texpool in that it was created specifically for governmental investments but that it was created by a private company whereas Texpool was created by the state.

Manager Martin then pointed out that another difference in the two pools is that the Logic fund invested very heavily in commercial paper which has a higher risk. He noted that Texpool Prime also invested in commercial paper in the amount of approximately 55% of its portfolio, whereas the Logic fund was 96% of its portfolio.

After discussion, Director Summerlin made motion to approve the resolution authorizing participation in Texpool Prime. Director Zimmerman seconded the motion. The motion passed unanimously.

7. Discussion and possible action regarding the 2016 Annual Report: Manager Martin quickly pointed out and reviewed changes recommended by Director. After a brief conversation, Vice President Fussell made motion to approve and adopt the 2016 Annual Report. Director Boone seconded the motion. The motion passed unanimously.

Manager Martin stated that he would forward copies of the Report to the county judges and area legislators.

8. Discussion and possible action regarding potential changes to the District's Rules and specifically as they relate to Management Plan item 4.2(1) – "Evaluation of the District's Rules to determine whether any amendments are recommended to decrease the amount of waste of groundwater within the District": Manager Martin reviewed the Management Plan requirement of discussing the District Rules and evaluating them for possible changes to prevent the waste of groundwater. He commented that the last time changes were made was two years ago and were related to curtailing waste from flowing artesian wells.

Manager Martin commented that he had no recommendations or suggestions with regard to possible changes this year. He did, however, note that two members of the Board who are involved in the operation of public water systems commented to him about TCEQ's flushing rules. Manager Martin told the board that it seemed TCEQ was re-interpreting the existing rule and requiring significantly more flushing of water lines.

Director Boone noted that he sent a letter to TCEQ inquiring as to the science behind the decisions being made with regard to the flushing rules but that he received no response to his letter.

Vice President Fussell also commented that TCEQ's flushing rules would be impacting his water system, with potential impacts of the volume of water used for flushing to increase exponentially.

After evaluation and a short discussion, no recommendations were made to change the District Rules at this time.

9. Discussion and possible action regarding the re-adoption of the District's Management Plan: Manager Martin quickly reviewed the changes that were made since last month's meeting. He also reviewed the more significant changes that he has recommended to the Plan. Manager Martin then stated that if no other changes were recommended he would suggest that the Board approve the draft of the updated Plan be submitted to the TWDB for initial review.

After a short discussion, Director Ashworth made motion to approve the changes discussed and to submit the draft plan to the TWDB for review. Director Zimmerman seconded the motion. The motion passed unanimously.

10. Discussion and possible action to allow general manager to attend Water Well Technical Training seminar sponsored by TAGD and the Texas Well Owner Network: Manager Martin requested that the Board approve attendance of the TAGD/TWON sponsored seminar, to be held in College Station on Tuesday March 14, 2017. Director Ashworth made motion to approve attendance of the seminar. Director Summerlin seconded the motion. The motion passed unanimously.

11. Discussion and possible action regarding bills filed in the 85th Legislative Session: Manger Martin reviewed the substantive bills that have been filed that have potential impacts to the District, including SB 862, 1009, and 1053, as well as HB 1982. Manager Martin stated that Friday (March 10) would be the final day for the filing of bills. Manager Martin stated that he would keep in contact with the Executive members and Attorney Stover should any immediate need arise with regard to responding to any of the filed legislation.

12. Manager's Report, to include: BXP, potential future projects (Catahoula GAM Run / mapping aquifer layer), missing observation well, and drought conditions: Manager Martin asked if anyone had any questions regarding any of the topics he discussed in his Manager's Report. There were no questions.

13. Establish date, time and place of next meeting: President Glenn stated that the next regularly scheduled meeting is April 13, 2017; however, Manager Martin noted that a meeting may not be required next month.

14. Meeting adjourned: At 11:18 a.m. President Glenn adjourned the regular meeting of the Southeast Texas Groundwater Conservation District Board of Directors.

Roger Fussell – Vice President

Bobby Rogers – Secretary/Treasurer

Date: April 13, 2017

OUTDOOR TIPS

One inch of water per week in the summer will keep most Texas grasses healthy. To determine how long you should run your sprinklers, place straight-edged cans at different distances away from the sprinkler and time how long it takes to fill an average of 1 inch of water in each can.

Don't abuse the benefits of an automatic sprinkler system by over-watering. Set it to provide thorough but infrequent watering. Check sprinkler heads regularly to make sure they are working properly. Install rain shut-off devices and adjust sprinklers to eliminate coverage on pavement.

Prevent evaporation of water. Water lawns early in the morning or in the evening during the hotter summer months. Never water on windy days. Use drip irrigation systems for bedded plants, trees, or shrubs and use low-angle sprinklers for lawns. Cover pools and spas. This can save the equivalent of your pool volume each year!

Plant water-efficient, well-adapted, and/or native shrubs, trees, and grasses. Choose plants that are drought and heat tolerant and can survive the minimum winter temperatures in your area. In odd-shaped areas, use drought-tolerant groundcover instead of grass. Many cities provide lists of water-efficient plants.

Harvest the rain. Buy a rain barrel or a cistern and collect the water from your gutters to water your plants.

Use your water efficiently. Don't waste water by cleaning patios or sidewalks with it; use a broom. For plants that need more water, use a hose or watering can to give them additional water.

Keep grass 3 inches tall during the summer and don't cut more than one-third of its length at one time. Don't scalp lawns when mowing during hot weather. Taller grass holds moisture better. Leave lawn clippings on the lawn instead of bagging.

Use lots of mulch around your shrubs and trees. It will retain moisture, reduce run-off, moderate soil temperatures, and help with weed control.

Don't over-fertilize! Get a soil kit to determine what nutrients your soil needs. If you apply fertilizer only in the spring and fall, your grass will be healthy, use less water, and require less mowing.

Use a car wash that recycles water. If you are washing your car at home, use a bucket of soapy water and a hose nozzle that shuts off the water while you scrub.

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Texas Water Development Board

www.twdb.texas.gov

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rev. 05/12

WATER CONSERVING TIPS

USING WATER MORE EFFICIENTLY will not only save money but, more importantly, will also help protect the quality of life of future Texans.

With the vastness of Texas, it's easy to forget two important facts about our state: we are subject to frequent droughts, and our population is projected to double in the next 50 years. The cost of developing new or additional supplies in that same time period is estimated to be $30.7 billion.

To ensure that we have enough cost-effective water for current and future Texans, we need to reduce the amount of water we waste.

POSSIBLE WATER SAVINGS

- High-efficiency toilets, water-efficient washing machines, rainwater harvesting systems, and water-efficient landscaping can all help reduce water use.
- Water-efficient showerheads and aerators for faucets can significantly reduce the amount of water you use. In fact, installing a water-efficient showerhead is one of the most effective water-saving steps you can take inside your house.
- Leaky faucets and toilets can waste thousands of gallons of water monthly, and they are inexpensive to fix. A few small changes in your water use habits can make a huge difference in water savings.
- In the summer, outdoor water use can account for 50 percent or more of total water use. With proper management, you can have a beautiful, healthy landscape and reduce your water use significantly. This can amount to hundreds of dollars in savings a year in water and often wastewater costs.

INDOOR TIPS

Bathroom

- Replace your showerhead with a water-efficient model.
- Get in the shower as soon as the water becomes warm enough.
- Take short showers.
- Take a shower instead of a bath. A shower with a water-efficient showerhead often uses less water than a bath.
- Reduce the level of water used in a bathtub by 1 or 2 inches if a shower is not available.
- Turn off the water while you are shaving. Fill the sink with hot water instead of letting the water run continuously.
- Replace your old toilet with a high-efficiency toilet that uses 1.3 gallons per flush.
- Test toilets for leaks. Once in awhile, take the top off of your toilet tank and watch it flush. Do you notice any leaks? Yes? Replace the flapper or rubber washer. Don't forget about those less obvious leaks. Add a few drops of food coloring or a dye tablet to the water in the tank, but do not flush the toilet. If the coloring appears in the bowl within a few minutes, the toilet has a leak that needs to be repaired.
- Never use the toilet to dispose of trash.
- Don't waste water when brushing your teeth or washing your hands. Shut off the water until it's time to rinse.

Kitchen

- Run the dishwasher only when full. This practice will save water, energy, detergent, and money. If your dishes are not very dirty, use the short wash cycle. You can spend less money on water and energy by installing a high-efficiency dishwasher.
- Install faucet aerators. You'll never notice the difference, and you'll cut your sink water consumption in half! Also, don't ignore leaky faucets; they waste lots of water.
- Keep a container of water in the refrigerator. It will be refreshingly cool and won't waste water.
- Dry scrape dishes instead of rinsing. Your dishwasher will take care of the rest.
- Use garbage disposals sparingly. They can waste water unnecessarily.
- Soak pans rather than scrubbing them while the water is running.
- Rinse your vegetables in a pan of cold water; it doesn't take gallons of water to get the dirt off.

Laundry room

- Conventional washing machines use 32 to 59 gallons of water per load.
- Wash only full loads.
- Use the lowest water level setting on the washing machine for light or partial loads whenever possible.
- Use cold water as often as possible to save energy and conserve hot water for uses that cold water cannot serve.

Additional tips

- Don't ignore leaky faucets; they are usually easy and inexpensive to repair. Turn off the valve under the sink until you get around to repairing the leak. A slow drip can waste as much as 170 gallons of water each day and will add to the water bill.
- Know where your master water shut-off valve is in case a pipe bursts. Insulate hot water pipes. You won't waste water waiting for it to get hot, and you will save energy too.
- Install water-softening systems only when necessary, and if you have one, save water and salt by running the minimum amount of regenerations necessary to maintain water softness.
- Replace water-to-air heat pumps and air conditioners with air-to-air if you are purchasing new units. They are just as efficient and do not waste water.
- Find other uses for water rather than letting it go down the drain, such as watering house plants with fish tank water.

PRACTICE GOOD WATER-USE HABITS

Kitchen

- Run the dishwasher with a full load to save water, energy, detergent, and money.
- Use the dishwasher's short wash cycle if your dishes are only lightly soiled.
- Dry scrape dishes instead of rinsing them and do not pre-rinse dishes if you are using the dishwasher.
- Fill a basin or the sink with soapy water instead of letting the water run continuously when washing dishes by hand. Soak pans rather than scrubbing them while the water is running.
- Rinse produce in a pan of cold water instead of letting the water run.
- Transfer frozen foods to the refrigerator to defrost the night before you need them instead of letting water run over them.
- Keep a container of water in the refrigerator rather than running tap water until it is cool enough to drink.
- Limit the use of garbage disposals and consider composting.

Laundry room

- Wash only full loads.
- Match the load setting with the amount of laundry to be washed if you must wash partial loads.
- Use the shortest wash cycle for lightly soiled loads as it uses less water than other cycles.

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Bathroom

- Don't use your toilet as a trash can for paper and facial tissues.
- Turn the water off when you aren't using it.
- Run water just to wet and rinse the toothbrush instead of allowing the water to run while brushing your teeth.
- Apply the same idea when washing your hands.
- Use only as much water as you really need.
- Take shorter showers instead of a bath.
- Use water-efficient showerheads, which often use less water than a bath.
- Turn off the water while you are shampooing your hair.

Texas Water Development Board

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CONSERVING WATER INDOORS

YOU CAN EASILY SAVE a minimum of 20 gallons per day just by installing water-efficient fixtures and reducing leaks.

Per capita water use in Texas averages 164 gallons per person per day. By adopting water-saving measures, you can reduce that amount and save money. Making a habit of conservation makes sense. It protects the water resources of both current and future Texans.

INSTALL WATER-EFFICIENT APPLIANCES

Toilets: Toilets are by far the main source of water use in the home, accounting for approximately 30 percent of indoor water use. They also happen to be a major source of leaks and/or inefficiency. Under state and federal law, toilets must not exceed 1.6 gallons per flush. High-efficiency toilets (HETs) go beyond that standard and use less than 1.3 gallons per flush.

- Over the course of your lifetime, you will likely flush the toilet nearly 140,000 times. If you install a high-efficiency toilet, you can save 4,000 gallons per year.
- Many local utilities offer rebates to replace old toilets.
- Toilets are the single largest water user in a home. A leaky toilet can waste 200 gallons of water per day, and it is estimated that nearly 20 percent of all toilets leak.

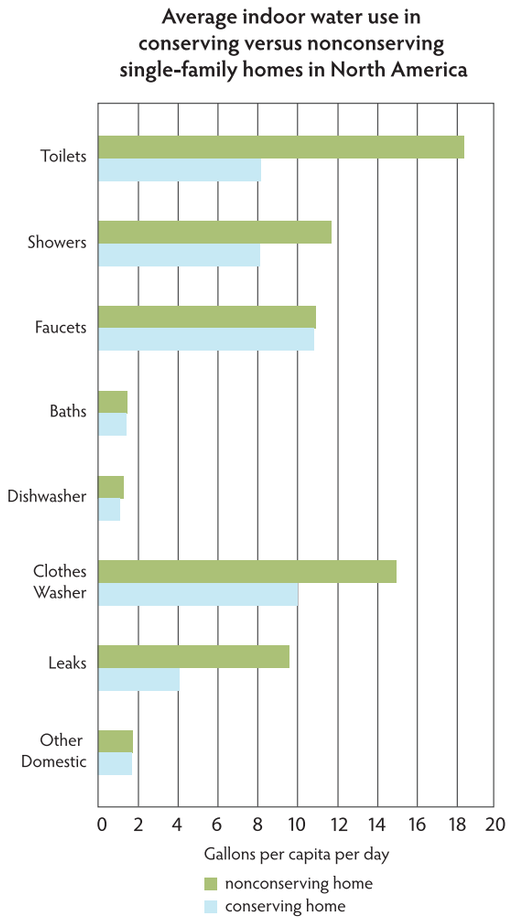
To determine if the toilet is leaking, take these steps:

- Remove the tank lid after the tank has stopped filling.
- Check for a visible leak or to hear water running.

To find other, less obvious leaks, perform the following test:

- Mix a few drops of food coloring or place a dye capsule or tablet (available from home improvement centers and many utilities) into the water in the toilet tank.
- Do not flush the toilet.
- Wait about 10 minutes and if the dye appears in the toilet bowl, the toilet has a silent leak.

Check toilet parts regularly. Replace worn parts with good quality parts as necessary, and retest to make sure the leak has been fixed.



The average indoor use in a conserving North American single-family home is 45.2 gallons per capita per day, and in a nonconserving home it is 69.3 gallons per capita per day.

Source: Handbook of Water Use and Conservation, 2001.

Showers: Take shorter showers. A 5-minute shower uses only 10–25 gallons. A full bathtub, however, can require up to 70 gallons of water.

Installing a water efficient showerhead is one of the single most effective water-saving steps you can take inside your home.

Sinks: Installing faucet aerators on sinks is a simple, cost-effective way to save water. The faucet's efficiency can double without sacrificing performance. Aerators are inexpensive and do not require special adapters.

Faucet leaks are usually caused by worn washers or "O" rings (for a washerless faucet), which are inexpensive and easily replaced. Note the faucet brand and take the original part with you to a home improvement center.

Washing Machines: When buying a washer, look for a high-efficiency model that has adjustable water levels for different load sizes. High-efficiency washers use 35 to 55 percent less water and 50 percent less energy. They also require less detergent, rinse more thoroughly, are less abrasive on clothes, and can fit larger capacity loads in the same size drum.

Dishwashers: High-efficiency dishwashers use a maximum of 7 gallons per load, but some use as little as 4.5 gallons. Replacing an older model with a water-efficient model could cut dishwasher water use in half. Look for energy efficiency features to cut costs even more.

DON'T WAIT TO FIX LEAKS!

Leaks could account for 10 percent or more of your water bill and waste both water and energy.

The water meter can be used to check for invisible or unnoticed leaks.

- Turn off all faucets and water-using appliances.
- Read the dial on the water meter and record the reading. (It is often located along the property line near the street.)
- Recheck the meter after 15 to 20 minutes.

If no water has been used and the reading has changed, a leak is occurring somewhere in the plumbing system. The services of a plumber or trained water utility employee are often required to locate and fix these invisible leaks.

WATER-WISE IRRIGATION EQUIPMENT

What is the most efficient irrigation system for nonturf areas?

Drip irrigation. It is the most efficient method of watering bedded plants, trees, or shrubs. Soaker hoses are an easy and inexpensive alternative to drip irrigation.

What type of sprinkler should I use for the lawn?

One that produces large drops of water close to the ground. Don't use a sprinkler that produces a mist or fine spray. Use a timer so you don't forget to turn the sprinkler off.

How should I manage my automatic sprinkler system for water efficiency?

Adjust the settings as needed. Don't just set it in the spring and leave it on all season. Automatic sprinkler systems provide an efficient method of watering lawns. Their controllers use timers to turn off the system when a measured amount of water is used, and rain shut-off devices prevent watering in the rain.

Not all plants have the same watering requirements. Reduce the run time of sprinklers on shrubs, which may not need as much water as grass. Shady areas may not need as much water either. Contact a professional landscape irrigation specialist for a maintenance check.

What maintenance is required for my automatic sprinkler system?

Check sprinkler heads regularly. Remove dirt or debris that may be clogging the nozzle and make sure the heads are working at the proper pressure and not leaking.

Repair or replace broken heads, valves, seals, and pipes. Once a month, run the sprinklers for a short time on each cycle while you are at home to make sure they are working properly.

What features should I look for in an automatic sprinkler system?

Options that will help you save water. The controller of new sprinkler systems should have these features:

- a multiple scheduling option
- a rain shut-off device
- a water budget feature (which allows percentage adjustments without having to reprogram)
- test functions

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05/11

CONSERVING WATER OUTDOORS

IN THE SUMMER, outdoor water use can account for 50 to 80 percent of home water use.

Texans must use their precious water resources more efficiently, or we will have longer, more frequent water shortages, especially during droughts and hot Texas summers. Much of the water used outdoors is wasted through inefficient landscape watering practices. By reducing the amount of water we waste, we will save money and protect the quality of life of future Texans.

WATER-WISE CONSERVATION STEPS

Many Texas water utilities charge higher rates during the summer or increase rates in increments based on use. Reducing your outdoor water use by following these steps can produce substantial savings in your water bill:

- Determine how much water your landscape needs to stay healthy.
- Use water-efficient landscape practices, such as proper mowing, mulching, and moderate fertilizing.
- Design a water-efficient landscape by planting drought-tolerant grass and choosing plants that are native or well adapted to the climate conditions in your area.

WATER-WISE LANDSCAPE

How often should I water?

Only when needed. One inch of water once a week should be sufficient to keep most Texas lawns healthy.

Proper watering will help grass and shrubs develop deep roots (it is especially important to start this during the spring when root growth is at its peak). Over-watered turf will have a short root system and will not be drought tolerant. By slowly adjusting to successively longer periods between waterings, the turf can grow deeper roots and become drought tolerant.

What time of day should I water?

Early morning or late evening during hot summer months. Otherwise, the water can simply evaporate between the sprinkler and grass.

What should I water?

Only your plants. Don't water the sidewalks and driveways. Use a broom to sweep debris away.

How can I use rainwater?

Harvest it. Funnel the water from your gutters into a barrel or cistern and save it for a sunny day. Rainwater is free and better for your plants because it doesn't contain hard minerals.

WATER-WISE LANDSCAPE MAINTENANCE

When should I mow?

Only when the grass is dry. And don't cut more than one-third of its length at one time. Taller grass holds moisture better, encourages deeper root growth, and is less susceptible to browning. Keep grass 3 inches tall during the summer (taller than 3 inches stresses the grass).

What should I do with my grass clippings?

Mulch or compost them. Grass clippings break down quickly and provide valuable nutrients.

How can I conserve soil moisture?

Use lots of mulch. It will make your shrubs and young trees more tolerant to the scorching Texas heat.

- 1 to 3 inches of mulch
  - retains moisture
  - reduces runoff
  - helps moderate soil temperatures
  - aids in root development
  - reduces erosion
  - slows weed growth
  - prevents soil compaction
  - makes your landscape beautiful
- Place mulch directly on the soil or weed barrier fabric that can "breathe." Avoid using sheet plastic in planting areas.
- Apply a thin layer of compost to the lawn. It functions like mulch, increases organic content, and protects grass roots.

What should I know about fertilizing?

Apply fertilizer in the spring and fall. It helps develop good root systems to keep your grass more drought tolerant.

Don't overfertilize because it can run off and pollute local waterways. Too much fertilizer will also increase the grass's need for water. Contact your County AgriLife Extension Service or local nursery professional for a soil kit and recommendations for fertilizer.

How else can I improve my landscape?

Improve the soil. If the soil is rocky, sandy, shallow, heavy clay, or has little organic matter, it can be improved by adding several inches of high quality loam soil and 2 to 3 inches of organic matter such as mulch or compost.

High quality soil helps reduce irrigation needs by retaining water better when added to sandy and clay soils. Unless the soil is damaged or depleted, native and well-adapted plants may not require imported soil. Aerate the lawn once a year. Weed the lawn and garden as needed. Weeds rob plants of valuable water.

How else can I minimize water use?

Don't forget your pools, spas, and fountains.

- Cover pools and spas when not in use to lessen evaporation.
- Backwash your filter only as necessary.
- Turn off decorative fountains on windy days and during drought.

DESIGN A WATER-WISE LANDSCAPE

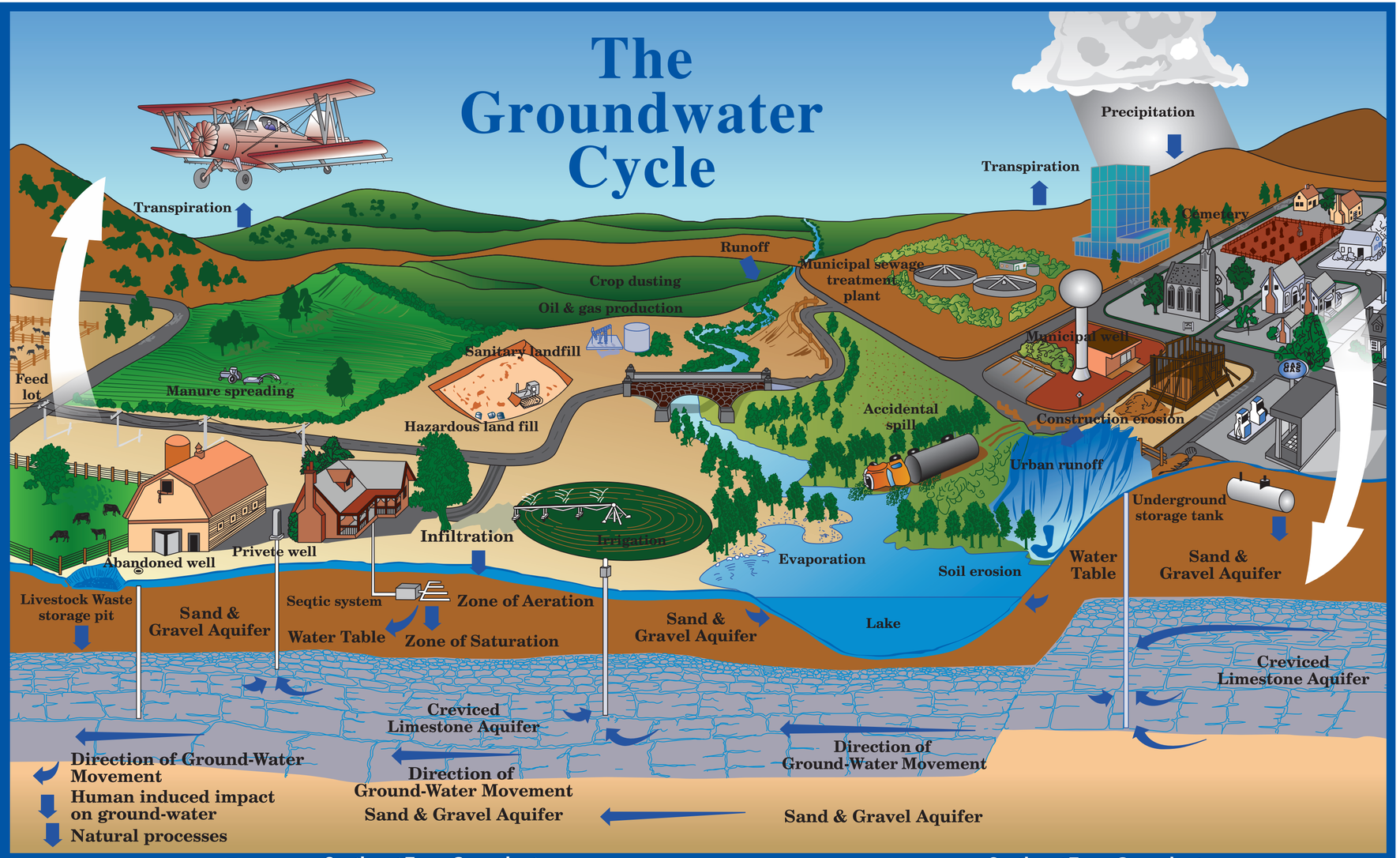
Plant water-efficient, well-adapted, and/or native shrubs and trees. Bermuda, buffalo, and zoysia are drought-tolerant grasses. Choose plants that are drought tolerant (or at least have low water requirements) and heat tolerant and can survive the minimum winter temperatures in your local area. Native plants are also more resistant to diseases and pests.

Put drought-tolerant groundcover instead of grass in areas that are narrow, small, sloping, odd-shaped, or close to pavement. Limit turf areas to those needed for practical uses.

Contact your County AgriLife Extension Agent, your water-wise landscape professional, or your city or water supplier for recommendations of water-efficient plants that are adapted to your area of the state and additional information on efficient landscape water use.

It's Cool to Conserve!!
Don't be a "Water Waster".

1. Take short showers or keep bathtub water shallow.
2. Fix leaking faucets, pipes, or hoses.
3. Don't let the hose run while washing your car or pets. Use buckets, sponges, and a water saving nozzle on the hose.
4. Turn off the faucet to save water while brushing your teeth or washing your hands.
5. If you like cold drinking water, keep a container in the refrigerator instead of turning on the tap and waiting for cool water to come out.
6. Do not "sweep" walks and driveways with a water hose. Use a broom or rake instead.
7. Never run the dishwasher or washing machine without a full load in them.
8. Don't play with the hose and sprinklers. Look for other ways to play in the yard that don't waste water.
9. Never use the toilet as a trash can. Flushing trash wastes water.
10. Water the lawn only when it needs it, and then only early in the morning or late in the evening to reduce water loss to evaporation. Don't over water! If you use sprinklers make sure they are watering the grass and not the street or sidewalk.
11. Consider rainwater harvesting to collect the rain and use it to water your plants and garden at a later date.



Southeast Texas Groundwater Conservation District
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2. Fold in sides of book cover to create sleeves for ends of book. *Doblar los lados del forro por dentro formando dos mangas.*
3. Slide ends of book into sleeves and you're covered. *Meter la portada del libro dentro de las mangas del forro y estará cubierto.*
4. Make sure your textbooks are covered at all times! *¡Asegurar que sus libros estén cubiertos a todo tiempo!*

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TX	HARDIN	Hardin-Jefferson ISD	China Elementary	1	1	250
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TX	HARDIN	Hardin-Jefferson ISD	Henderson Middle School	2	1	250
TX	HARDIN	Hardin-Jefferson ISD	Sour Lake Elementary	1	1	500
TX	HARDIN	Kountze ISD	Kountze High School	3	2	500
TX	HARDIN	Silsbee ISD	Kirby Elementary	1	1	500
TX	HARDIN	Silsbee ISD	Silsbee High School	3	2	500
TX	HARDIN	Silsbee ISD	Silsbee Middle School	2	1	500
TX	HARDIN	West Hardin Co. Cons ISD	West Hardin High School	3	2	250
TX	HARDIN	West Hardin Co. Cons ISD	West Hardin Jr High School	2	1	250
TX	JASPER	Brookeland ISD	Brookeland High School	3	2	500
TX	JASPER	Buna ISD	Buna High School	3	2	250
TX	JASPER	Evadale ISD	Evadale School	4	1	250
TX	JASPER	Evadale ISD	Evadale School	4	2	500
TX	JASPER	Jasper ISD	Jasper Jr High School	2	1	500
TX	JASPER	Jasper ISD	Parnell Elementary	1	1	250
TX	JASPER	Jasper ISD	Rowe Intermediate School	2	1	250
TX	JASPER	Kirbyville ISD	Kirbyville High School	3	2	500
TX	JASPER	Kirbyville ISD	Kirbyville Jr High School	2	1	250
TX	NEWTON	Burkeville ISD	Burkeville High School	3	2	250
TX	NEWTON	Deweyville ISD	Deweyville Elementary	1	1	250
TX	NEWTON	Deweyville ISD	Deweyville High School	3	2	250
TX	NEWTON	Deweyville ISD	Deweyville Middle School	2	1	250
TX	NEWTON	Newton ISD	Newton High School	3	2	250
TX	NEWTON	Newton ISD	Newton Jr High School	2	1	500
TX	TYLER	Colmesneil ISD	Colmesneil High School	3	2	250
TX	TYLER	Colmesneil ISD	Colmesneil Middle School	2	1	250
TX	TYLER	Spurger ISD	Spurger High School	3	2	250
TX	TYLER	Warren ISD	Fred Elementary	1	1	250
TX	TYLER	Warren ISD	Warren High School	3	2	250
TX	TYLER	Warren ISD	Warren Jr High School	2	1	250
TX	TYLER	Woodville ISD	Woodville High School	3	2	250
TX	TYLER	Woodville ISD	Woodville Intermediate School	2	1	250
TX	TYLER	Woodville ISD	Woodville Middle School	2	1	250

Order Distribution

Southeast Texas GWCD

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Order #: 217-541-039

Acct Manager: J Crofford

School Type: 1 - Elementary 2 - Middle School 3 - High School 4 - All Grades

State	County	District	Campus / Customer	Type	Job #	Quantity

Total Order Quantity: 11,250

GOAL 4.3

CONTROLLING AND PREVENTING SUBSIDENCE

Objectives

4.3 Objective - At this time, there are no known occurrences of subsidence within the District. The District proactively strives to prevent subsidence from occurring by applying its Rules, meeting the goals of its Management Plan, and participating in joint planning efforts in both GMA 14 and the Region I Water Planning Group. By continuing all of the above mentioned efforts and actively planning for the responsible use of its groundwater resources, the prevention of subsidence is inherent in the overall management of the District.

Performance Standard

4.3 Performance Standard – Any reported subsidence shall be included in the District's Annual Report.

OBJECTIVE 1

As has been the case in the past, no known instances of subsidence were occurring within the Southeast Texas Groundwater Conservation District. Groundwater Management Area 14 ("GMA 14") continues to utilize the Upper Gulf Coast Aquifer Groundwater Availability Model, which is inclusive of the Southeast Texas Groundwater Conservation District, in the planning of the Desired Future Conditions. The model includes a subsidence module that will assist the District, as well as GMA 14, in several ways. First, the subsidence module is a significant tool in providing information on the potential impacts of groundwater pumping throughout the planning period by projecting any subsidence related to the modeled pumping. GMA 14 is in the early stages of the third round of DFC planning and will continue to closely monitor any projected subsidence. Secondly, Chapter 36.108(d-2) of the Texas Water Code requires that GMAs, when considering the Desired Future Conditions, "must provide a balance between the highest practicable level of groundwater production and the conservation, preservation, protection, recharging, and prevention of waste of groundwater and control of subsidence in the management area". The Upper Gulf Coast Aquifer Groundwater Availability Model with its improved subsidence module continues to assistance the District and GMA 14 members in finding that balance between the highest practicable level of production and conservation as required by Chapter 36.

GOAL 4.4

ADDRESSING CONJUNCTIVE SURFACE WATER MANAGEMENT ISSUES

OBJECTIVE

1. *The District will coordinate conjunctive surface water issues with the Angelina and Neches River Authority (ANRA), Lower Neches Valley Authority (LNVA), the Sabine River Authority (SRA), and the East Texas Regional Water Planning Group (also known as Region I), by either inviting the officials from the Planning Group to attend a District meeting at least once a year or by attending at least one of the East Texas Regional Water Planning Group meeting each year.*

PERFORMANCE STANDARD

1. *A copy of the invitation letters to the Planning Group and the surface water providers, as well as evidence that the letters have been sent, via either U.S. Postal Service (registered/return receipt) or email, will be included in the District's Annual Report, or a copy of the East Texas Regional Water Planning Group meeting notice(s) and sign in sheet(s) indicating a representative of the District was present will be included in the District's Annual Report.*

OBJECTIVE 1

In 2017 the District reviewed, made changes to, and re-adopted its Management Plan. One of the changes made to the Plan was a modification to this Objective. Over the past several years the District has become more and more active in regional water planning which is wholly inclusive of all water uses, users, and resources (i.e. groundwater and surface water) within a 20 county area of southeast Texas. Manager Martin has been appointed to the Group as a representative of GMA 14 and is currently a member of the executive committee of the Group, serving as its Secretary. Additionally, our Vice President, Roger Fussell, has recently been appointed to the Group representing municipal water users.

Among many other stakeholders represented on the Region I Board are all three surface water providers that are located within the District (ANRA, LNVA, SRA as well as the Upper Neches River Municipal River Authority which operates in the very northern portions of the Region I area). The Management Plan change allows for the participation/attendance of District representatives to the Regional Water Planning Group meetings to meet the Conjunctive Surface Water Management goal.

GOAL 4.4

Although no specific invitation was required to be mailed to each of the surface water providers within the District this year, all regular meeting notices/agendas of the Southeast Texas Groundwater District were provided to the surface water entities, as well as to the Regional Water Planning Group, in an effort to encourage their attendance. To that end, several of the District's monthly meetings in 2017 were attended by Chris Key, a representative of the Angelina Neches River Authority.

The District is also a member of Groundwater Management Area 14. This group's goal is the regional planning of groundwater resources within GMA 14 which is made up of 20 counties located over the northern portion of the Gulf Coast Aquifer. The Desired Future Conditions and associated Managed Available Groundwater data, are integral parts of the regional water planning process, and are developed wholly by the Groundwater Management Areas.

The table below shows each water planning group, the date of the meeting and the District's representatives in attendance. The Regional I Water Planning Group met three times in 2017 and a District representative was in attendance at 100% of those meetings (copies of the notices/agendas and sign in sheet are attached). Due to the end of the previous Desired Future Conditions cycle and the contested Desired Future Conditions of the Lone Star GCD, GMA 14 met only once in 2017 and was attended by a District representative.

Planning Group	Date of Meeting	Attendees
Region I Water Planning Group	August 16, 2017	John Martin
Region I Water Planning Group	November 15, 2017	John Martin Roger Fussell
Region I Water Planning Group	December 11, 2017	John Martin Roger Fussell
Groundwater Management Area 14	December 8, 2017	John Martin

One additional step taken to encourage conjunctive planning with the surface water providers was that shortly after the District formally re-adopted its Management Plan on June 8, 2017, copies of the re-adopted/updated Plan were emailed to each of the surface water providers.

EAST TEXAS
Regional Water Planning Group
Region I WPG

AGENDA
Wednesday, August 16, 2017 – 10:00 am
Nacogdoches Recreation Center
1112 North Street
Nacogdoches, Texas 75961

1. Call to Order
2. Invocation & Pledge of Allegiance
3. Roll Call/Determination of Quorum
4. Consideration and approval of the minutes of the November 9, 2016 meeting
5. Report from City of Nacogdoches – **Stacy Corley**
6. Reports of adjoining regions activity (only as needed)
   a. Region C – **Mike Harbordt/Connie Standridge**
   b. Region D – **Worth Whitehead/Vacant**
   c. Region H – **David Alders/Steve Tyler**
7. Reports from Standing Committees (only as needed)
   a. Executive Committee – **Kelley Holcomb**
   b. Finance Committee – **Darla Smith**
   c. Bylaws Committee – **David Alders**
   d. Technical Committee – **Scott Hall**
   e. Nominations Committee – **Monty Shank**
8. Reports from other state agencies:
   a. Texas Water Development Board staff – **Lann Bookout**
   b. Texas Department of Parks & Wildlife – **Terry Stelly**
   c. Texas Department of Agriculture – **Manual Martinez**
   d. Texas State Soil and Water Conservation Board – Vacant
9. Report from consultant team:
   a. Update on the Round 5 Planning Cycle – **Rex Hunt**
   b. Report on Historical Demand Projections vs Actual – **Rex Hunt**
10. Educational Presentation:
    a. Update on 85th Legislative Session – **Lann Bookout**
    b. Update on Population & Demand Projections and Methodologies – **Yun Cho, TWDB Economic & Demographic Analysis Manager**
11. Public Comments (limited to 3 minutes)
12. Unfinished Business – None
13. New Business:
    a. Consideration and Possible Approval of the addition of Sub Water User Groups to the list of Designated entities for Regional Water Planning – **Rex Hunt**
14. General Discussion
15. Next Meeting Date **(October 18, 2017)**
16. Adjourn

Region I
East Texas Regional Water Planning Group
Standing Committees
AGENDA

Wednesday, August 16, 2017 – 10:00 am
Nacogdoches Recreation Center
1112 North Street
Nacogdoches, Texas 75961

The Region I East Texas Regional Water Planning Group has four standing committees. These committees function under the direction of the Region I East Texas Regional Water Planning Group as defined in the approved By-Laws. Committee meetings are held on an as needed basis. These Committees are:

Executive Committee **(no meeting)**

Nominations Committee **(9:30 AM)**

1) Discuss vacancies on the RWPG

By-Laws Committee **(no meeting**)

Finance Committee **(no meeting)**

Technical Committee **(no meeting)**

Region I ETRWPG Public Meeting
Date: August 16, 2017

1112 North Street
Nacogdoches Texas

REGISTRATION ~~~ PLEASE SIGN IN

NAME	ORGANIZATION	PHONE	EMAIL
MONTY D. SHANK	UNRMWA	903-876-2237	mdsunra@dctexas.net
[illegible]	BASF		
Yun Cho	TWDB	512-463-3025	yun.cho@twdb.texas.gov.
Lann Bookout	TWDB	512 936 9439	lann.bookout@twdb.texas.gov.
Josh David	Region I	936-635.9845	
Ben A. Stephenson	DWU	214-671-9525	ben.stephenson@dallascityhall.com
Terry D. Stelly	TPWD-CF	409-983-1104 ext 224	Terry.Stelly@tpwd.texas.gov
Kelly Holcomb	ANRA		
Scott Hall	LNVA	409-892-4011	scott.hall@lnva.org
John Martin	SETGCD	409 383-1577	JMartin@setgcd.org
Gary Ashmore	LTGCD	936 252 0911	groundwater@livingston.net
TRAVIS WILLIAMS	SRA	409/746-2192	TWILLIAMS@SRATX.ORG.
Mary Vann	SRA	" "	mvann@sratx.org
[illegible]	Reg I	903-657-6185	
Leal Adams	PCGCD	903-690-0143	ladams@pcgcd.org
GREG MORGAN	CITY OF TYLER	903.521.9880	gmorgan@tylertexas.com
Case Opperman	City of Nacogdoches	936-559-2515	oppermanc@ci.nacogdoches.tx.us
SCOTT GALAWAY	TWDB	713 294-3251	scott.galaway@twdb.texas.gov
Manuel Martinez	TDA	713-677-9814	Manuel.Martinez@TexasAgriculture.gov

Wednesday, November 15, 2017, 10:00 am
Nacogdoches Recreation Center
1112 North Street
Nacogdoches, Texas 75961
Agenda
Revised

1. Call to Order
2. Invocation & Pledge of Allegiance
3. Roll Call/Determination of Quorum
4. Consideration and approval of the minutes of the August 16, 2017, meeting
5. Report from City of Nacogdoches – Stacy Corley
6. Reports of adjoining regions activity (only as needed)
    a. Region C – **Mike Harbordt/Connie Standridge**
    b. Region D – **Worth Whitehead/Vacant**
    c. Region H – **David Alders/Scott Hall**
7. Reports from Standing Committees (only as needed)
    a. Executive Committee – **Kelley Holcomb**
    b. Finance Committee – **Darla Smith**
    c. Bylaws Committee – **David Alders**
    d. Technical Committee – **Scott Hall**
    e. Nominations Committee – **Monty Shank**
8. Reports from other state agencies:
    a. Texas Water Development Board staff – **Lann Bookout**
    b. Texas Department of Parks & Wildlife – **Terry Stelly**
    c. Texas Department of Agriculture – **Manual Martinez**
9. Report from consultant team – Update on the Round 5 Planning Cycle
10. Educational Presentation: None
11. Public Comments (limited to 3 minutes)
12. Unfinished Business: None
13. New Business:
    a. Consideration and possible Approval of the list of Major Water Providers for the East Texas Regional Water Planning Area (ETRWPA) 2021 Regional Water Plan. – **Rex Hunt**
    b. Consideration and possible Approval of the population projections and water demand projections for the ETRWPA 2021 Regional Water Plan. – **Rex Hunt**
    c. Consideration and possible Approval authorizing the ETRWPA Consultant Team to continue to work with Water User Groups and Major Water Providers in the ETRWPA regarding draft population and water demand projections, and to negotiate additional changes to projections with Texas Water Development Board Planning staff, as necessary; with final authority for any such changes to be at the discretion of the East Texas Regional Water Planning Group (ETRWPG) Chair. – **Rex Hunt**
    d. Consideration and possible Approval of the process for determining potentially feasible water management strategies for the ETRWPA 2021 Regional Water Plan. – **Rex Hunt**

e. Consideration and possible Approval of a public information coordinator for the ETRWPG, in accordance with requirements of the Texas Water Code TWC §16.053(h)(12). – **Rex Hunt**

f. **Consideration and possible Approval of recommendations for the appointment of Voting Members to the ETRWPG – Monty Shank**

14. General Discussion

15. Next Meeting Date

16. Adjourn

Standing Committees
Wednesday, November 15, 2017
AGENDA

The Region I East Texas Regional Water Planning Group has four standing committees. These committees function under the direction of the Region I East Texas Regional Water Planning Group as defined in the approved By-Laws. Committee meetings are held on an as needed basis. These Committees are:

Executive Committee **(no meeting)**

Nominations Committee **(9:00 AM)**

1) Discuss vacancies on the RWPG

By-Laws Committee **(no meeting)**

Finance Committee **(9:30 AM)**

1) Discuss the FY 2017 Annual Budget

Technical Committee **(9:00 AM)**

1) Discuss the following items:
   - Review status responses to letters to WUGs, WWPs, and County Judges in Region I
   - Review status of possible changes to draft projections for population and water demand for Region I
     - Population and municipal water demand changes
     - Manufacturing demand changes, including Jefferson County
     - Irrigation demand changes, including Jefferson County
     - Steam-electric demand changes, including Angelina County
     - Other demands not expected to change
   - Review proposed list of major water providers for Region I
   - Discuss the proposed process for determining potentially feasible water management strategies

Region I ETRWPG Public Meeting
Date: November 15, 2017

1112 North Street
Nacogdoches Texas

1

REGISTRATION ~~~ PLEASE SIGN IN

NAME	ORGANIZATION	PHONE	EMAIL
Stacy Corley	City of Nac	936-559-2528	corley@ci.nacogdoches.tx.us
Monty D. Shank	UNRMWA	903-876-2237	mdsunra@dctexas.net
John Martin	SETGCD	409 383-1577	JMartin@setgcd.org
Lanu Bookout	TWDB	512 936 9639	lanu.bookout@twdb.texas.gov
Kelly Holcomb	ANRA/		Kholcomb@ANRA.org
Mark Dunn	REG I HPG	9366769075	MDUNN@DUNNSINC.COM
Scott Hall	LNVA	409-892-4011	Scott.Hall@LNVA.org
Josh David	Reg I	936-635-9845	
Ben A. Stephenson	Dallas Water Utilities	214-871-9525	ben.stephenson@dallascityhall.com
John Sexton	Lake Livingston WSC	936-327 3107	GENERALMANAGER@11WATER.NET
Roger Fussell	Lumberton MUD	409 755-1559	rogerf@lumbertonmud.com
Worth Whitehead			
Gerald Huddleston	City of Huxley	936-368-2266	ghuddleston@eastex.net
Tara Rejino	TWDB	512-463-7322	tara.rejino@twdb.texas.gov
Peter Lake	TWDB		
Greg Morgan	City of Tyler	903.521.9880	gmorgan@tylertexas.com
Terry D. Stelly	TPWD-CF	409-983-1104 ex 224	Terry.Stelly@tpwd.texas.gov
Donna McCollum	KTRE-TV	936559 3506	dmccollum@ktre.com
Gary Ashmore	LTGCD	9362520911	
Amanda Malakis	RCGCD	903-657-1900	
Mary Vann	SRA-TX	409-746-2192	mvann@sratx.org

Region I ETRWPG Public Meeting
Date: November 15, 2017

1112 North Street
Nacogdoches Texas

REGISTRATION ~~~ PLEASE SIGN IN

NAME	ORGANIZATION	PHONE	EMAIL
Case Opperman	City of Nacogdoches	936-559-2515	opperman c@ci.nacogdoches.tx.us
Leah Adams	PCGCD	903-690-0143	ladams@pcgcd.org
Manuel Martinez	Tx Dpt of Agriculture	713-677-9814	
SCOTT GALAWAY	TWDB	281 994 0722	scott.galaway@twdb.texas.gov
Matt Moore	INDIVIDUAL	512-773-0200	matt.moore@watersmootengineering.com
*Only 9 members present - NO QUORUM -			

Region I
East Texas Regional Water Planning Group

Monday, December 11, 2017, 10:00 am
Nacogdoches Recreation Center
1112 North Street
Nacogdoches, Texas 75961
Agenda

1. Call to Order
2. Invocation & Pledge of Allegiance
3. Roll Call/Determination of Quorum
4. Consideration and approval of the minutes of the August 16, 2017, meeting
5. Report from City of Nacogdoches – Stacy Corley
6. Reports of adjoining regions activity (only as needed)
    a. Region C – **Mike Harbordt/Connie Standridge**
    b. Region D –**Leah Adams/Vacant**
    c. Region H – **Scott Hall/Vacant**
7. Reports from Standing Committees (only as needed)
    a. Executive Committee – **Kelley Holcomb**
    b. Finance Committee – **Darla Smith**
    c. Bylaws Committee – **David Alders**
    d. Technical Committee – **Scott Hall**
    e. Nominations Committee – **Monty Shank**
8. Reports from other state agencies:
    a. Texas Water Development Board staff – **Lann Bookout**
    b. Texas Department of Parks & Wildlife – **Terry Stelly**
    c. Texas Department of Agriculture – **Manual Martinez**
9. Report from consultant team – Update on the Round 5 Planning Cycle
10. Educational Presentation: None
11. Public Comments (limited to 3 minutes)
12. Unfinished Business: None
13. New Business:
    a. Consideration and possible Approval of the list of Major Water Providers for the East Texas Regional Water Planning Area (ETRWPA) 2021 Regional Water Plan. – **Rex Hunt**
    b. Consideration and possible Approval of the population projections and water demand projections for the ETRWPA 2021 Regional Water Plan. – **Rex Hunt**
    c. Consideration and possible Approval authorizing the ETRWPA Consultant Team to continue to work with Water User Groups and Major Water Providers in the ETRWPA regarding draft population and water demand projections, and to negotiate additional changes to projections with Texas Water Development Board Planning staff, as necessary; with final authority for any such changes to be at the discretion of the East Texas Regional Water Planning Group (ETRWPG) Chair. – **Rex Hunt**

d. Consideration and possible Approval of the process for determining potentially feasible water management strategies for the ETRWPA 2021 Regional Water Plan. – **Rex Hunt**
e. Consideration and possible Approval of a public information coordinator for the ETRWPG, in accordance with requirements of the Texas Water Code TWC §16.053(h)(12). – **Rex Hunt**
f. Consideration and possible Approval of recommendations for the appointment of Voting Members to the ETRWPG – **Monty Shank**

14. General Discussion

15. Next Meeting Date

16. Adjourn

Region I
East Texas Regional
Water Planning Group

Standing Committees
Monday, December 11, 2017
AGENDA

The Region I East Texas Regional Water Planning Group has four standing committees. These committees function under the direction of the Region I East Texas Regional Water Planning Group as defined in the approved By-Laws. Committee meetings are held on an as needed basis. These Committees are:

Executive Committee **(no meeting)**

Nominations Committee **(9:00 AM)**

1) Discuss vacancies on the RWPG

By-Laws Committee **(no meeting)**

Finance Committee **(9:30 AM)**

1) Discuss the FY 2017 Annual Budget

Technical Committee **(9:00 AM)**

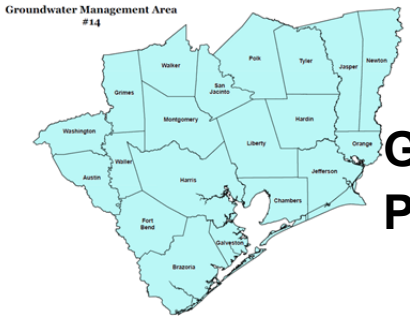
1) Discuss the following items:
   - Review status responses to letters to WUGs, WWPs, and County Judges in Region I
   - Review status of possible changes to draft projections for population and water demand for Region I
     - Population and municipal water demand changes
     - Manufacturing demand changes, including Jefferson County
     - Irrigation demand changes, including Jefferson County
     - Steam-electric demand changes, including Angelina County
     - Other demands not expected to change
   - Review proposed list of major water providers for Region I
   - Discuss the proposed process for determining potentially feasible water management strategies

Region I ETRWPG Public Meeting
Date: December 11, 2017

1112 North Street
Nacogdoches Texas

REGISTRATION ~~~ PLEASE SIGN IN

NAME	ORGANIZATION	PHONE	EMAIL
Stacy Corley	City of Nacogdoches	936-559-2528	corleys@ci.nacogdoches.tx.us
John Martin	Southeast TX GCD	409 383-1577	
MONTY D. SHANK	UNRMWA	903-876-2237	mdsunra@dctexas.net
Mary S. Vann	SRA	409-746-2192	mvann@sratx.org
Josh David	Region I	936-635-9845	
Ben A. Stephenson Non Voting	DWU	214-671-9525	ben.stephenson@dallascityhall.com
Lann Bookout	TWDB	512 936 9639	lann.bookout@twdb.texas.gov
Darla Smith	BASF	4099815025	Darla.Smith@BASF.com
Bill Heugel		936-228-2578	txsritz4154@suddenlink.net
Roger Fussell	LMUD	409 755-1559	rogerf@lumbertonmud.com
Leah Adams	PCGCD	903-690-0143	ladams@pcgcd.org
[illegible]		903 657-6185	
Amanda Maloukis	RCGCD	903-657-1900	amanda@rcgcd.org (receive handouts + tech pp. thanks)
Mike Harbordt	Region I		
David Brock	"		
Mark Dunn	Reg I	936 676 9075	
GREG MORGAN	CITY OF TYLER	903.521.9880	gmorgan@tylertexas.com
Scott Hall	LNVA		
Kelley Holcomb	ANRA		
David Alders			
(14 Voting Members present)			



GROUNDWATER MANAGEMENT AREA 14 JOINT PLANNING COMMITTEE MEETINGS

NOTICE OF OPEN MEETING

As required by Section 36.108(e), Texas Water Code, a meeting of the **Groundwater Management Area 14 Joint Planning Committee**, comprised of representatives from the following groundwater conservation districts located wholly or partially within Groundwater Management Area 14—Bluebonnet GCD, Brazoria County GCD, Lone Star GCD, Lower Trinity GCD, and Southeast Texas GCD—will be held on **Friday, December 8, 2016, at 9:30 A.M. at the offices of the Lone Star Groundwater Conservation District, located at 655 Conroe Park North, Conroe, Texas 77303.**

At this meeting, the following business may be considered and recommended for Joint Planning Committee possible action:

1. Call to order
2. Welcome and Introductions
3. Roll Call
4. Public Comment
   (Public comment is limited to a maximum of 5 minutes per speaker and/or 30 minutes total for all speakers)
5. Receipt of Posted Notices
6. Discussion and possible action to approve minutes of the "*Cancelled*" November 6, 2017, GMA 14 Joint Planning Meeting

---

Meeting will be convened as a meeting of the GMA 14 Joint Planning Interlocal Agreement Participants.

7. Presentation – Texas 4-H Water Ambassador by _____
8. Presentation of information from the Texas Water Development Board and discussions of items of interest to the GMA.
9. Formal presentation of "Final Order" submitted by Lone Star Groundwater Conservation District ("LSGCD") requesting GMA 14 to begin the process of adopting new or amended Desired Future Conditions.
10. Discussion regarding the issue of and process for identifying commonalities and differences between the rules of the various districts that manage groundwater resources in GMA 14 and the reasons for those commonalities and differences.

11. Discussion regarding identifying the various services provided by the districts that manage groundwater resources in GMA 14.
12. Discussion regarding joint planning schedule and budget needs.

GMA 14 Joint Planning Interlocal Agreement Participants meeting will be adjourned.

Meeting will continue as a meeting of the GMA 14 District Representatives only.

13. Annual Review by Districts of Management Plans
14. Presentation and Discussion by Districts of recent activities of interest or accomplishments impacting the GMA 14 planning group.
15. Discussion and consideration of any proposals to adopt new or amend existing desired future conditions, including without limitation review of the procedures, information, legal issues, technical issues, and financial issues related to any such proposals and determining whether any such proposals should be formally considered under the administrative procedures of GMA 14.
16. Other business.
17. Discussion of next meeting date, location, and agenda items.
18. Adjourn.

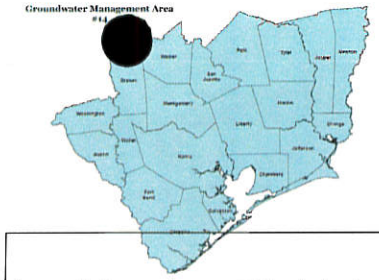
Further information, questions, or comments concerning any aspect of the above meeting(s) should be directed to Kathy Turner Jones, Lone Star Groundwater Conservation District, 655 Conroe Park North Drive, Conroe, TX 77303; kjones@lonestargcd.org, or (936) 494-3436.

Come to hand and posted on a Bulletin Board in the Courthouse, _____ County, Texas, on this, the _____ day of November, 2017, at _____ ___.M.

/s/ Kathy Turner Jones
Kathy Turner Jones, Chairman
GMA 14 Planning Group

_____, Deputy Clerk

_____ County, Texas



GROUNDWATER MANAGEMENT AREA (GMA 14) JOINT PLANNING MEETING SIGN IN SHEET

December 8, 2017
9:30 am

Member District	District Representative	Date	Signature
Bluebonnet GCD	Zach Holland		
Brazoria County GCD	Kent Burkett		
Lone Star GCD	Kathy T. Jones		
Lower Trinity GCD	Gary Ashmore	Dec 8 2017	
Southeast Texas GCD	John Martin	12-8-17	
Bill Beran		8 Dec 2017	
John Brieden		12-8-2017	

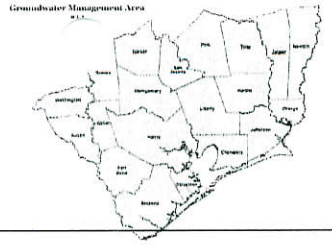
Attachment "A"

GROUNDWATER MANAGEMENT AREA (GMA 14) JOINT PLANNING MEETING SIGN IN SHEET

December 8, 2017

NAME	Affiliation	City, State, Zip	Email
John Yoars	Resident Woodlands	TX 77380	jyoars@Comcast.net
Kirk Hanath	Washington County	Brenham TX	commissioner3@wacounty
Robert Thompson	FBSD		
John Beckelin	Washington County	Brenham.	countyjudge@wacounty.com
Mike Keester	~~LRE~~ LRE Water	Round Rock, TX	mike.keester@LREWater.com
Larry French	TWDB	Austin	larry.french@twdb.texas.gov
Mark Harkness	Harkness Engineering	Houston	mark@harknessengr.com
Jason Afinowicz	Freese & Nichols	Houston	jda@freese.com
Gary Ashmore	LTGCD	Livingston	
John Martin	SETGCD	Jasper	
TINA FELKAI	SJRA	CONROE	tfelkai@sjra.net
John Burke	Self	Cypress	johnburke41@gmail.com
Jill Savory	self	Willis	jillsavory@aol.com
JUDY SANDERS	MOCOMUDY	MONTG.	

Attachment "A"



GROUNDWATER MANAGEMENT AREA (GMA 14) JOINT PLANNING MEETING SIGN IN SHEET

December 8, 2017

NAME	Affiliation	City, State, Zip	Email
John Philip Jones	Texas 4-H Water ambassador	Pattison, TX 77466	jpjpjpjones@gmail.com
Joe Friez	SJRA	Conroe	jfriez@sjra.net

Attachment "A"

SOUTHEAST TEXAS GROUNDWATER CONSERVATION DISTRICT

P.O. BOX 1407
JASPER, TEXAS 75951

PRESIDENT WALTER R. GLENN
VICE PRESIDENT ROGER FUSSELL
SEC / TREAS BOBBY ROGERS
OLEN BEAN
GREG WOBBE
JON MEEK
MITCH MCMILLON
WENDY TURNER
LINDA POWELL
SAM ASHWORTH
JIM BOONE
ROBYN SUMMERLIN
M. CHARLES ZIMMERMAN

GENERAL MANAGER JOHN M. MARTIN
GENERAL COUNSEL JOHN D. STOVER

June 12, 2017

Kelley Holcomb, General Manager
Angelina & Neches River Authority
P.O. Box 387
Lufkin, TX 75902
VIA EMAIL: kholcomb@anra.org

RE: Revised/Re-Adopted Management Plan

Dear Kelley,

I hope this letter finds you well. Chapter 36 of the Texas Water Code requires that groundwater conservation districts review and re-adopt their management plan at least once every five years. Section 36.1071 of the Texas Water Code requires that the District, following notice and hearing, coordinate in the development of its management plan with all surface water management entities within the District. To that end, please find attached a copy of the Southeast Texas Groundwater Conservation District's recently revised and re-adopted Management Plan. Should you have any comments or questions regarding the plan, please do not hesitate to call.

Sincerely,

John M Martin

John Martin
General Manager
Southeast Texas Groundwater Conservation District
P.O. Box 1407
Jasper, TX 75951

Enclosure: Groundwater Management Plan 2017, Revised and Re-Adopted June 8, 2017

John Martin

From: John Martin <jmartin@setgcd.org>
Sent: Monday, June 12, 2017 11:22 AM
To: 'Kelley Holcomb'
Subject: Management Plan Revised/Re-Adopted
Attachments: Management Plan Final-Complete.pdf

Hi Kelley,

Hope all is well in your neck of the woods. Attached, please find my cover letter, our revised/re-adopted Management Plan, and its appendices. Per Chapter 36 we are required to provide a copy of the re-adopted plan to the surface water entities within the District for review. Many of the changes are simply updates of names, typos, GAM run numbers, and the updated appendices which include updated information from the TWDB. The information in the appendix, provided by the TWDB, includes the Estimated Historical Water Use, Groundwater Availability Model 16-012, and Groundwater Availability Model 16-024 MAG (the MAG reflects the updated DFCs adopted by GMA 14 on April 29, 2016).

If you have and comments or questions, please do not hesitate to contact us.

John M. Martin
Southeast Texas Groundwater Conservation District
P.O. Box 1407
Jasper, TX 75951
(409) 383-1577

SOUTHEAST TEXAS GROUNDWATER CONSERVATION DISTRICT

P.O. BOX 1407
JASPER, TEXAS 75951

PRESIDENT — WALTER R. GLENN
VICE PRESIDENT — ROGER FUSSELL
SEC / TREAS — BOBBY ROGERS
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LINDA POWELL
SAM ASHWORTH
JIM BOONE
ROBYN SUMMERLIN
M. CHARLES ZIMMERMAN

GENERAL MANAGER — JOHN M. MARTIN
GENERAL COUNSEL — JOHN D. STOVER

June 12, 2017

Scott Hall, General Manager
Lower Neches Valley Authority
P.O. Box 5117
Beaumont, TX 77726-5117
VIA Email to: Scott.Hall@lnva.dst.tx.us

RE: Revised/Re-Adopted Management Plan

Dear Scott,

I hope this letter finds you well. Chapter 36 of the Texas Water Code requires that groundwater conservation districts review and re-adopt their management plan at least once every five years. Section 36.1071 of the Texas Water Code requires that the District, following notice and hearing, coordinate in the development of its management plan with all surface water management entities within the District. To that end, please find attached a copy of the Southeast Texas Groundwater Conservation District's recently revised and re-adopted Management Plan. Should you have any comments or questions regarding the plan, please do not hesitate to call.

Sincerely,

John M Martin

John Martin
General Manager
Southeast Texas Groundwater Conservation District
P.O. Box 1407
Jasper, TX 75951

Enclosure: Groundwater Management Plan 2017, Revised and Re-Adopted June 8, 2017

John Martin

From: John Martin <jmartin@setgcd.org>
Sent: Monday, June 12, 2017 11:22 AM
To: 'Scott.Hall@LNVA.dst.tx.us'
Subject: Revised/Re-Adopted Management Plan
Attachments: Management Plan Final-Complete.pdf

Hi Scott,

Hope all is well in your neck of the woods. Attached, please find my cover letter, our revised/re-adopted Management Plan, and its appendices. Per Chapter 36 we are required to provide a copy of the re-adopted plan to the surface water entities within the District for review. Many of the changes are simply updates of names, typos, GAM run numbers, and the updated appendices which include updated information from the TWDB. The information in the appendix, provided by the TWDB, includes the Estimated Historical Water Use, Groundwater Availability Model 16-012, and Groundwater Availability Model 16-024 MAG (the MAG reflects the updated DFCs adopted by GMA 14 on April 29, 2016).

If you have and comments or questions, please do not hesitate to contact us.

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Southeast Texas Groundwater Conservation District
P.O. Box 1407
Jasper, TX 75951
(409) 383-1577

SOUTHEAST TEXAS GROUNDWATER CONSERVATION DISTRICT

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JASPER, TEXAS 75951

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JIM BOONE
ROBYN SUMMERLIN
M. CHARLES ZIMMERMAN

GENERAL MANAGER — JOHN M. MARTIN
GENERAL COUNSEL — JOHN D. STOVER

June 12, 2017

David Montagne, General Manger
Sabine River Authority
P.O. Box 579
Orange, TX 77631-0579
VIA Email to: dmontagne@sratx.org

RE: Revised/Re-Adopted Management Plan

Dear Mr. Montagne,

I hope this letter finds you well. Chapter 36 of the Texas Water Code requires that groundwater conservation districts review and re-adopt their management plan at least once every five years. Section 36.1071 of the Texas Water Code requires that the District, following notice and hearing, coordinate in the development of its management plan with all surface water management entities within the District. To that end, please find attached a copy of the Southeast Texas Groundwater Conservation District's recently revised and re-adopted Management Plan. Should you have any comments or questions regarding the plan, please do not hesitate to call.

Sincerely,

John M Martin

John Martin
General Manager
Southeast Texas Groundwater Conservation District
P.O. Box 1407
Jasper, TX 75951

Enclosure: Groundwater Management Plan 2017, Revised and Re-Adopted June 8, 2017

John Martin

From: John Martin <jmartin@setgcd.org>
Sent: Monday, June 12, 2017 11:21 AM
To: dmontagne@sratx.org
Subject: Revised/Re-Adopted Management Plan
Attachments: Management Plan Final-Complete.pdf

Hello Mr. Montagne,

Hope all is well in your neck of the woods. Attached, please find my cover letter, our revised/re-adopted Management Plan, and its appendices. Per Chapter 36 we are required to provide a copy of the re-adopted plan to the surface water entities within the District for review. Many of the changes are simply updates of names, typos, GAM run numbers, and the updated appendices which include updated information from the TWDB. The information in the appendix, provided by the TWDB, includes the Estimated Historical Water Use, Groundwater Availability Model 16-012, and Groundwater Availability Model 16-024 MAG (the MAG reflects the updated DFCs adopted by GMA 14 on April 29, 2016).

If you have and comments or questions, please do not hesitate to contact us.

John M. Martin
Southeast Texas Groundwater Conservation District
P.O. Box 1407
Jasper, TX 75951
(409) 383-1577

John M.
Southeast Texas GCD
(409) 383-1577

GOAL 4.5

NATURAL RESOURCE ISSUES AFFECTING THE USE AND AVAILABILITY OF GROUNDWATER OR AFFECTED BY THE USE OF GROUNDWATER

This management goal is not applicable to the Southeast Texas Groundwater Conservation District.

This goal typically pertains to the mining industry, which is relatively inactive throughout the Southeast Texas Groundwater Conservation District. However, the Texas Water Development Board now classifies fracking as a mining practice. Although the District has begun to see an increase in the practice of fracking, the number of wells being fracked each year is still quite minimal. Additionally, due to local geologic formations, shallow wells, the relatively minimal number of horizontal wells being drilled, and the utilization of "gel" fracking, the amount of groundwater being used for fracking continues to be very minimal.

GOAL 4.6

ADDRESSING DROUGHT CONDITIONS:

(Conservation is the only practice which is practicable in the District.)

Objectives

1. *The District will post an article and/or drought index maps, regarding drought conditions in the District at least annually on the District's website.*

Performance Standard

1. *A copy of the article or and/or drought index maps posted on the District's website regarding drought conditions will be included in the District's Annual Report.*

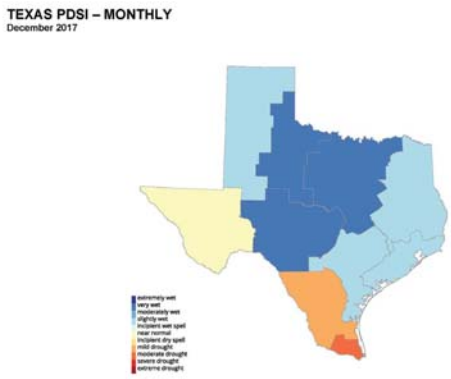
OBEJECTIVE 1

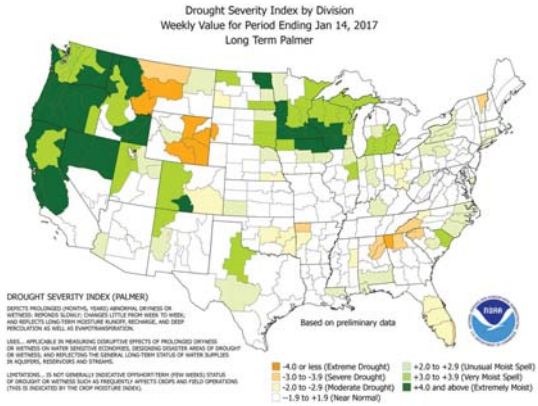
An article addressing drought conditions within the Southeast Texas Groundwater Conservation District was published in the Summer issue of the SETGCD Well Monitor Newsletter and posted on the District's website (see **Appendix A – Tab 12**).

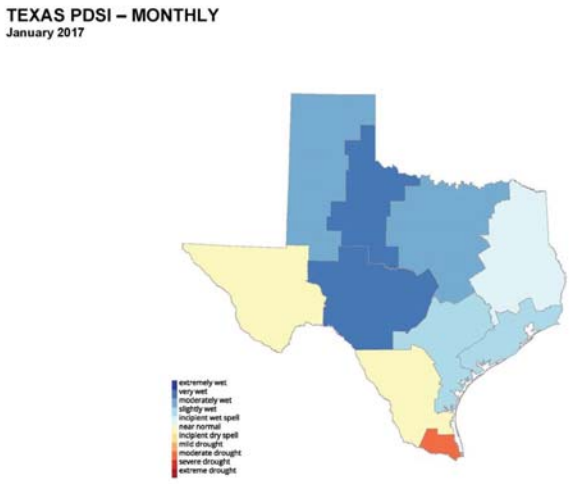
Each month the District posts the current Palmer Drought Severity Index (PDSI) maps (both U.S. and Texas) on the District's website (copies attached) and at the District office. In addition to the PDSI maps the U.S. Seasonal Drought Outlook map is also posted at the District's office. These maps, as well as the NOAA Precipitation Probability maps, are included in the District's Manager's Report and are provided to the Board of Directors each month (whether a meeting is held or not). These maps give the public easy access to current drought conditions within the District and keep the District's Directors well apprised of the current drought situation.

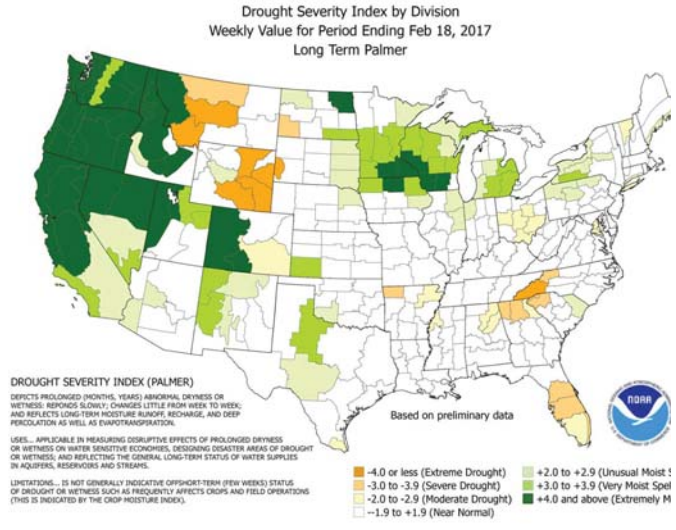
The District continues to maintain a webpage dedicated to drought information and drought conditions. Included on this page are links to the Texas Drought Preparedness Council's website with the most up-to-date Statewide Drought Situation Reports. These reports give a concise overview of current drought conditions regionally as well as statewide.

The drought information webpage also includes a link to the Texas Water Development Board's drought information webpage which has up to date drought monitoring and drought outlook information. It includes numerous drought condition maps, real-time remote static water level monitoring for nearly 200 water wells across the state, reservoir levels updated daily, and many other useful tools and datasets.

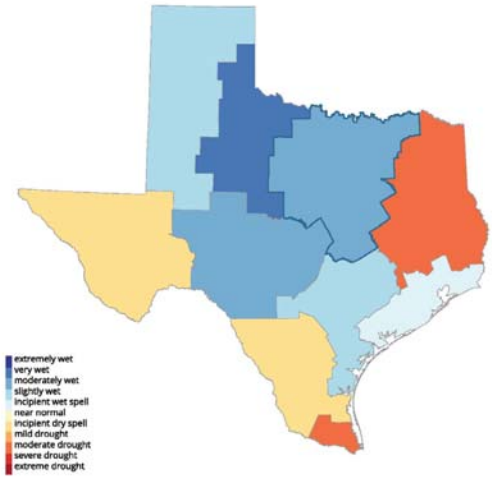

TEXAS PDSI – MONTHLY
December 2017
extremely wet
very wet
moderately wet
slightly wet
incipient wet spell
near normal
incipient dry spell
mild drought
moderate drought
severe drought
extreme drought

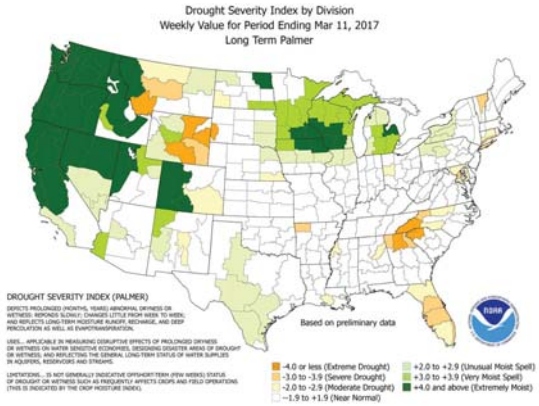

Drought Severity Index by Division
Weekly Value for Period Ending Jan 14, 2017
Long Term Palmer
DROUGHT SEVERITY INDEX (PALMER)
Based on preliminary data
-4.0 or less (Extreme Drought)
-3.0 to -3.9 (Severe Drought)
-2.0 to -2.9 (Moderate Drought)
-1.9 to +1.9 (Near Normal)
+2.0 to +2.9 (Unusual Moist Spell)
+3.0 to +3.9 (Very Moist Spell)
+4.0 and above (Extremely Moist)

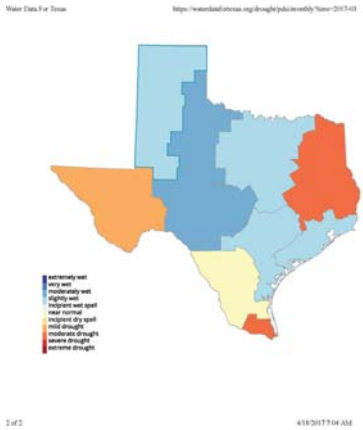

TEXAS PDSI – MONTHLY
January 2017
extremely wet
very wet
moderately wet
slightly wet
incipient wet spell
near normal
incipient dry spell
mild drought
moderate drought
severe drought
extreme drought

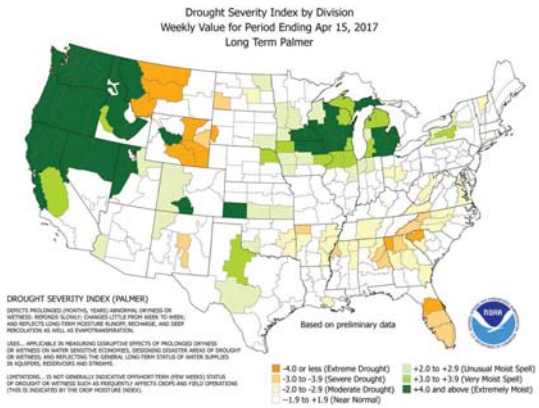

Drought Severity Index by Division
Weekly Value for Period Ending Feb 18, 2017
Long Term Palmer
DROUGHT SEVERITY INDEX (PALMER)
Based on preliminary data
-4.0 or less (Extreme Drought)
-3.0 to -3.9 (Severe Drought)
-2.0 to -2.9 (Moderate Drought)
-1.9 to +1.9 (Near Normal)
+2.0 to +2.9 (Unusual Moist
+3.0 to +3.9 (Very Moist Spel
+4.0 and above (Extremely M

Water Data For Texas https://waterdatafortexas.org/drought/pdsi/monthly?time=2017-02

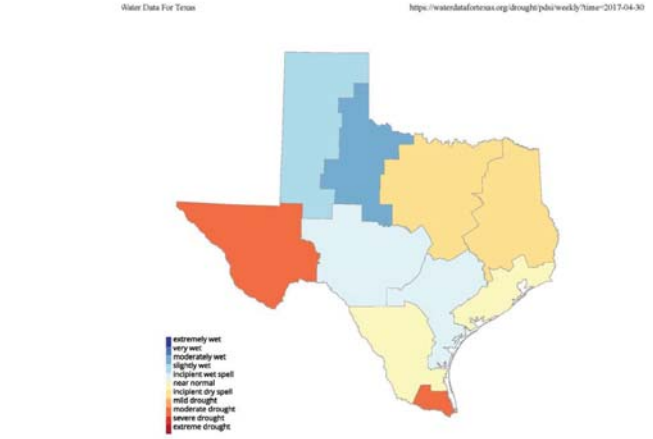


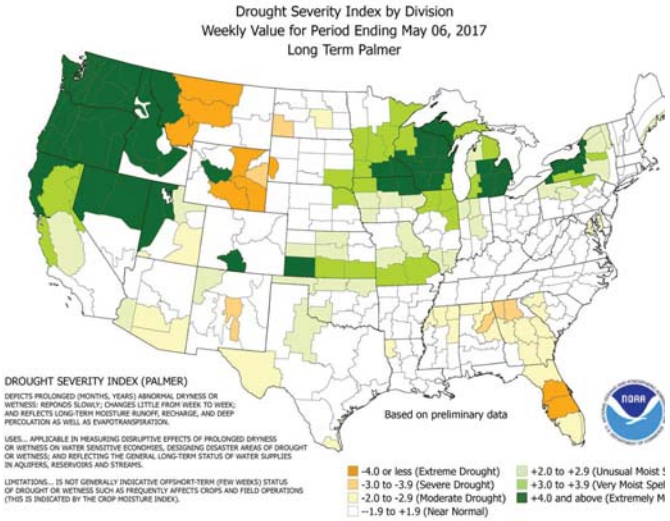




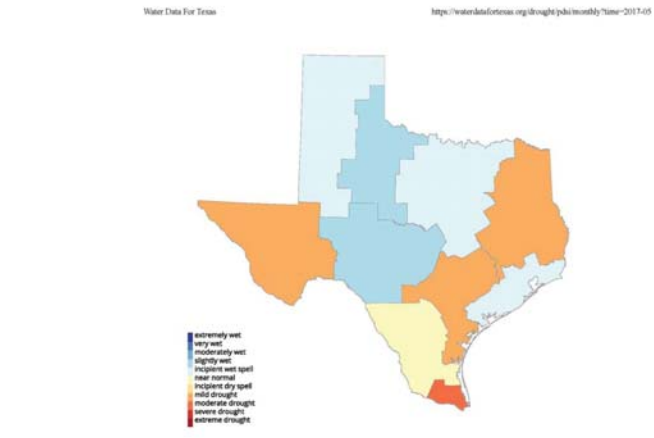


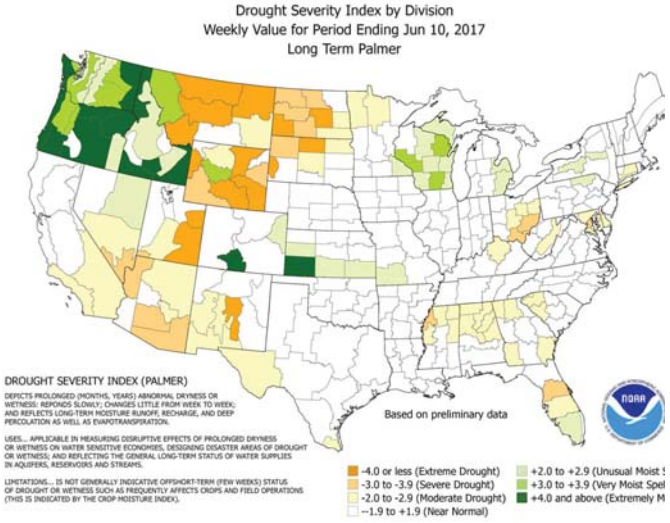
TEXAS PDSI – Weekly
April 30, 2017

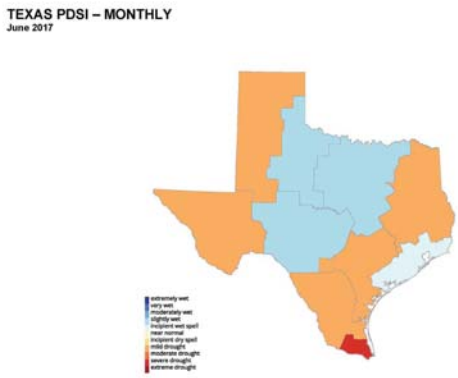


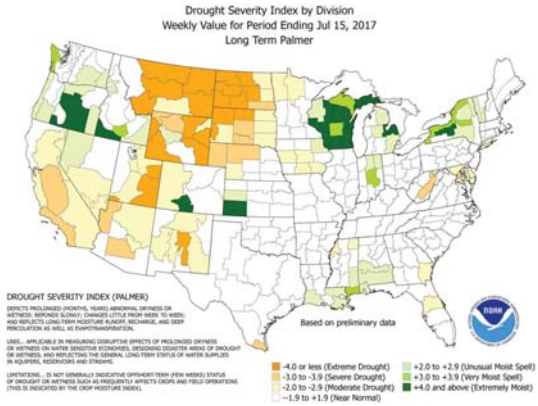


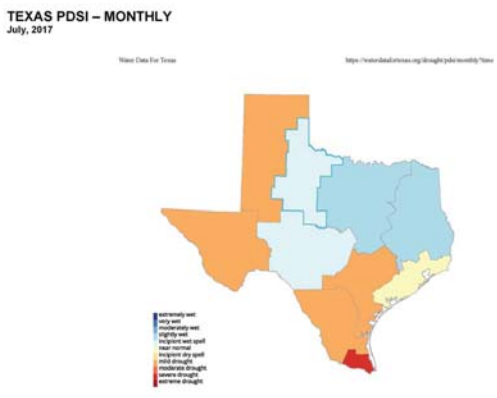
TEXAS PDSI – MONTHLY
May 2017

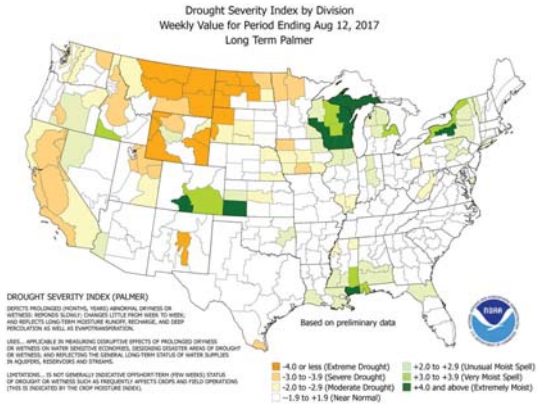


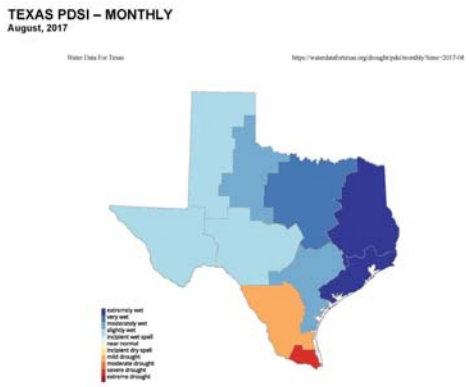


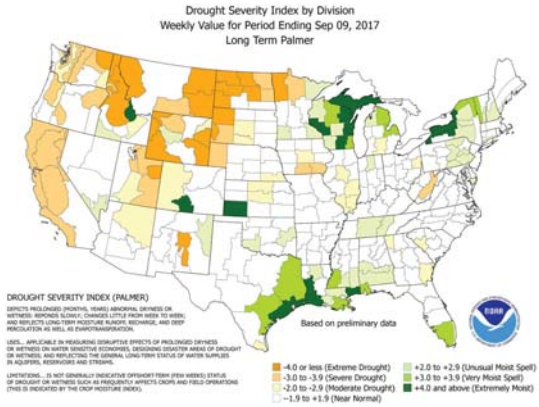

TEXAS PDSI – MONTHLY
June 2017

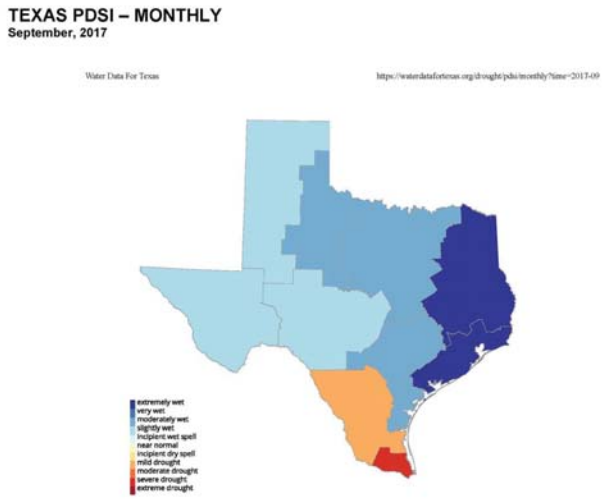

Drought Severity Index by Division
Weekly Value for Period Ending Jul 15, 2017
Long Term Palmer
DROUGHT SEVERITY INDEX (PALMER)
Based on preliminary data
-4.0 or less (Extreme Drought)
-3.0 to -3.9 (Severe Drought)
-2.0 to -2.9 (Moderate Drought)
-1.9 to +1.9 (Near Normal)
+2.0 to +2.9 (Unusual Moist Spell)
+3.0 to +3.9 (Very Moist Spell)
+4.0 and above (Extremely Moist)

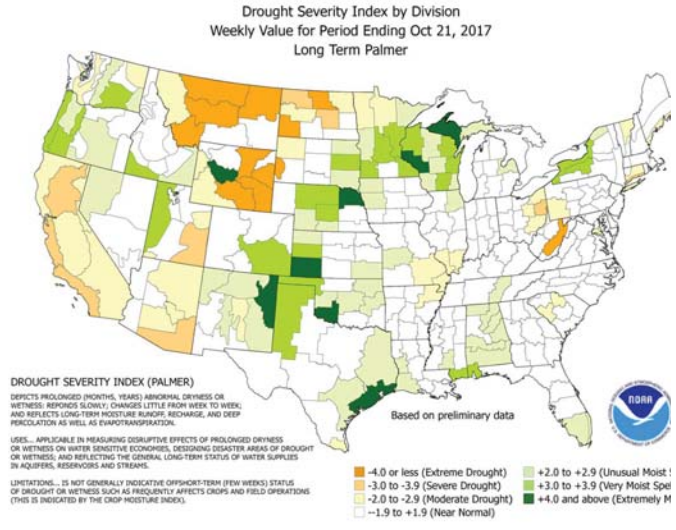

TEXAS PDSI – MONTHLY
July, 2017


Drought Severity Index by Division
Weekly Value for Period Ending Aug 12, 2017
Long Term Palmer
DROUGHT SEVERITY INDEX (PALMER)
Based on preliminary data
-4.0 or less (Extreme Drought)
-3.0 to -3.9 (Severe Drought)
-2.0 to -2.9 (Moderate Drought)
-1.9 to +1.9 (Near Normal)
+2.0 to +2.9 (Unusual Moist Spell)
+3.0 to +3.9 (Very Moist Spell)
+4.0 and above (Extremely Moist)

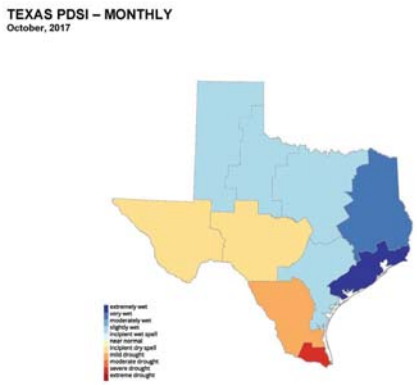

TEXAS PDSI – MONTHLY
August, 2017
Water Data For Texas
https://waterdatafortexas.org/drought/pdsi/monthly?time=2017-08
extremely wet
very wet
moderately wet
slightly wet
incipient wet spell
near normal
incipient dry spell
mild drought
moderate drought
severe drought
extreme drought


Drought Severity Index by Division
Weekly Value for Period Ending Sep 09, 2017
Long Term Palmer
DROUGHT SEVERITY INDEX (PALMER)
Based on preliminary data
-4.0 or less (Extreme Drought)
-3.0 to -3.9 (Severe Drought)
-2.0 to -2.9 (Moderate Drought)
-1.9 to +1.9 (Near Normal)
+2.0 to +2.9 (Unusual Moist Spell)
+3.0 to +3.9 (Very Moist Spell)
+4.0 and above (Extremely Moist)

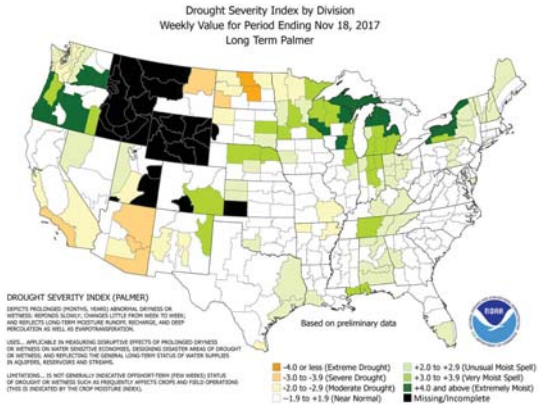

TEXAS PDSI – MONTHLY
September, 2017
Water Data For Texas
https://waterdatafortexas.org/drought/pdsi/monthly?time=2017-09
extremely wet
very wet
moderately wet
slightly wet
incipient wet spell
near normal
incipient dry spell
mild drought
moderate drought
severe drought
extreme drought


Drought Severity Index by Division
Weekly Value for Period Ending Oct 21, 2017
Long Term Palmer
DROUGHT SEVERITY INDEX (PALMER)
Based on preliminary data
-4.0 or less (Extreme Drought)
-3.0 to -3.9 (Severe Drought)
-2.0 to -2.9 (Moderate Drought)
-1.9 to +1.9 (Near Normal)
+2.0 to +2.9 (Unusual Moist
+3.0 to +3.9 (Very Moist Spe
+4.0 and above (Extremely M

Texas-PDSI-October-2017-website-November-27-2017.jpg (JPEG Image, 2266 × 1751 pixels) ... http://www.setgcd.org/wp-content/uploads/2012/04/Texas-PDSI-October-2017-website-Novem...



23-US-PDSI-November-18-2017-website.gif (GIF Image, 3300 × 2550 pixels) - Scaled (30%) http://www.setgcd.org/wp-content/uploads/2012/04/23-US-PDSI-November-18-2017-website.gif



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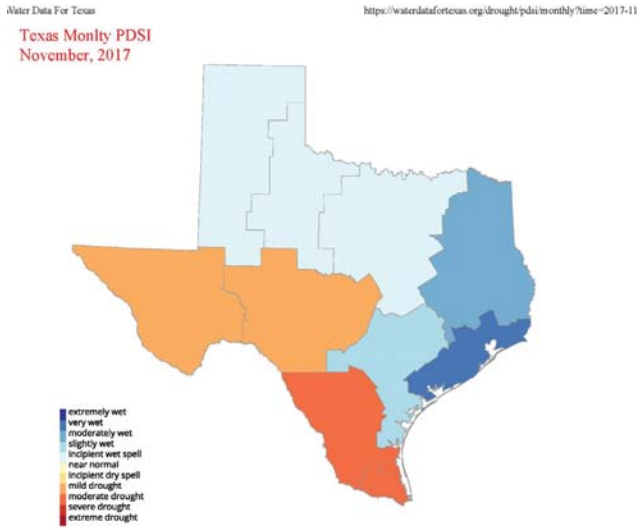

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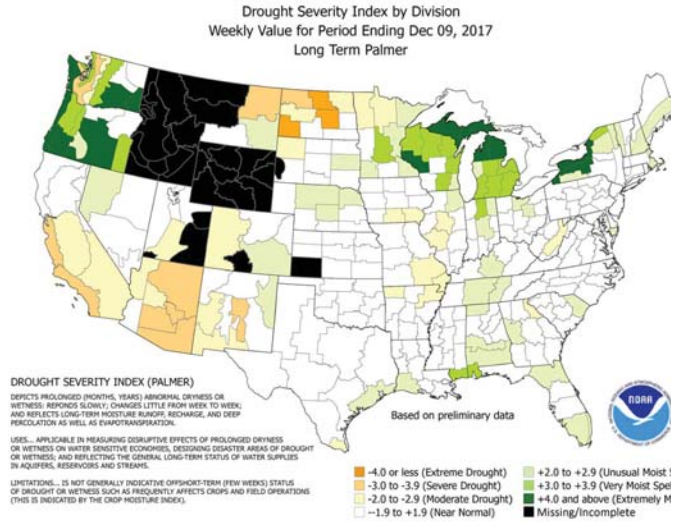

GOAL 4.7

ADDRESSING CONSERVATION, RECHARGE ENHANCEMENT, RAIN-WATER, HARVESTING, PRECIPITATION ENHANCEMENT, OR BRUSH CONTROL

(Conservation is the only practice which is practicable in the District.)

Objectives

1. *The District will annually submit an article regarding water conservation for publication to at least one newspaper of general circulation in Jasper, Newton, Hardin and Tyler Counties.*

2. *The District will publish and mail or email, at least once annually, an informative flier or newsletter on water conservation and related issues, to groundwater use permit holders. A copy of the flier or newsletter shall also be made available on the District's website.*

Performance Standard

1. *A copy of the article submitted by the District for publication to a newspaper of general circulation in Jasper, Newton, Hardin and Tyler Counties regarding water conservation will be included in the District's Annual Report.*

2. *A copy of the flier or newsletter, on water conservation and related issues, along with the mailing/emailing list of the permit holders to whom it was provided, shall be included in the District's Annual Report.*

OBJECTIVE 1

This year the District submitted two articles for publication. First, an article titled "Water Conservation Tips – Summertime Water Savings" was submitted on August 4, 2017 and the second article "Keep Some Jingle in Your Pocket this Holiday Season – Water Saving Tips for the Holidays" (written by Karen Siddall, Prairielands GCD) was submitted on December 6, 2017. The two articles were submitted to the following newspapers: the *Beaumont Enterprise,* the *Buna Beacon*, the *Hardin County News,* the *Jasper Newsboy,* the *Kirbyville Banner, the Newton County News*, the *Silsbee Bee*, and the *Tyler County Booster.* In an effort to assist the newspapers the article was provided electronically, via email, in two formats (PDF and Microsoft Word).

OBJECTIVE 2

This objective was met by the publication of the Summer 2017 SETGCD Well Monitor Newsletters (see **Appendix A)**. The newsletter was mailed to permit holders, well

GOAL 4.7

drillers and public officials throughout the District. Copies of the mailing address databases are included in Appendix A. The Summer 2017 SETGCD Well Monitor Newsletter was also posted on the District website for easy accessibility by the general public.

WATER CONSERVATION TIPS - SUMMERTIME WATER SAVING

It's back! Summertime is here once again, and that means our water use is going to skyrocket. It is estimated that during the summer we use between two and four times as much water as we do the rest of the year. Overall, depending on where you live and how much watering you do, 30—70 percent of all the water we use at home is used outdoors. The best way to be sure you aren't wasting water is to follow some simple guidelines. If you don't, you may be wasting up to 50 percent of the water you are using due to inefficient watering methods. Keep these tips in mind when using water outdoors:

- Don't water your lawn or garden at the wrong time of the day. During the hottest part of the day you can lose a significant amount of the water you are applying to evaporation.
- Water the lawn only when it needs it. Most lawns only need one inch of water each week. Pay attention to the weather and keep a rain gauge in the yard to help monitor how much water you are getting. One way to tell if your lawn needs water is to step on the grass and see if it springs back. If it does you needn't worry about watering. Also, let the grass grow a little. By letting it grow longer it will shade the ground and roots and slow the evaporation rate.
- In the garden, be sure to utilize mulch around your vegetable plants. A good layer of ground cover will allow the water to seep deeper into the soil and reduce loss due to evaporation.
- Pools are very susceptible to evaporation, up to an inch and a half per day. It's not uncommon to have to add 2,000 gallons a month to a pool due to evaporation. The use of a pool cover can reduce evaporation by as much as 90 percent.

Another way to conserve water and reduce your water bill is to install a rain collection system and/or a drip irrigation system. These two systems alone or in tandem can save you thousands of gallons of water. Both of these two options can be kept simple or made as high tech and complex as you would like.

There are a variety of ways to collect rainwater from the roof of your home or barn to use at a later date when you need it to water ornamentals or vegetables. The simplest way to get started with a rainwater collection system is to simply put a cleaned barrel that has a spigot located near or on the bottom of the barrel (if on the bottom barrel must be raised) under a gutter downspout. You will collect approximately 0.6 gallons of water per square foot of roof surface. Keep just one barrel near your flower bed and when it gets dry out, you will be ready to go.

With a drip irrigation system you will be able to apply a very specific amount of water to each plant individually when you water. You can purchase a basic all-inclusive set-up at your local home improvement store for $50—$75. The starter kits typically come with a variety of components and between 50—100 feet of tubing to get you started

- Never waste water by "sweeping" the drive with the hose. A flowing hose can easily waste 10 gallons of water per minute.
- When washing your vehicles be sure the hose has a nozzle on it. No sense letting 10 gallons a minute flow down the driveway. Also, if you wash the vehicle on your lawn it's like instant recycling. Your vehicle gets clean and the lawn gets some water.

Water wisely – every drop you save counts!

search

Conservation

Conservation Tips

Conserve Water: Turn Off That Light
Conserve Water: Tips for Winter
Conserve Water: Drip Irrigation – The Most Effective Way To Water
Conserve Water: Summertime Water Saving – 2013
Conserve Water: Winter Conservation Tips – 2014
Conservation Corner: 20 Ways to be Water Smart – 2014
Outdoor Water Conservation Tips – 2015
Water Conservation Tips – March 2016
Water Conservation Tips – Summertime Water Saving – 2017

Texas Water Development Board

WATER IQ SM
Know your water.

Water Conserving Tips
Conserving Water Indoors
Conserving Water Outdoors

TWDB KIDS

COLORING BOOK

Meeting and Hearing Notices

Conservation

Drought Information

Newsletters

Reports / DFCs

Source Water Protection

Understanding Texas Aquifers

Regular Monthly Board Meetings

2nd Thursday of each month beginning at 10:00 AM unless otherwise noticed.

No Board meetings scheduled for August or December unless otherwise noticed.

Meetings are held at the
Jasper-Newton Electric Co-op
812 S. Margaret Avenue, Kirbyville, TX.

Public Information Act

Download

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SOUTHEAST TEXAS GROUNDWATER CONSERVATION DISTRICT

P.O. BOX 1407
JASPER, TEXAS 75951

PRESIDENT	WALTER R. GLENN
VICE PRESIDENT	ROGER FUSSELL
SEC / TREAS	BOBBY ROGERS
	OLEN BEAN
	GREG WOBBE
	JON MEEK
	MITCH MCMILLON
	WENDY TURNER
	LINDA POWELL
	SAM ASHWORTH
	JIM BOONE
	ROBYN SUMMERLIN
	M. CHARLES ZIMMERMAN
GENERAL MANAGER	JOHN M. MARTIN
GENERAL COUNSEL	JOHN D. STOVER

August 4, 2017

Beaumont Enterprise / Hardin County News
Attn: Editor
380 Main Street
Beaumont, TX 77701
VIA –E-Mail – Localnews@beaumontenterprise.com

Re: Water Conservation Article "Summertime Water Saving"

To whom it may concern:

Summer is upon us, the season of our highest rate of water use. I thought a water conservation article on how to conserve water and not waste our precious groundwater resource, might be something that the paper might like to print. I would appreciate it if you would consider publishing this article in one format or another in your paper (i.e. a news story or op-ed piece). I understand that you are not obligated to print the article; I only ask that you consider it. Please feel free to make minor modifications to the article to meet any formatting guidelines necessary for publication or to correct grammatical errors.

I have attached the article in PDF format as well as a Microsoft Word file, for your convenience. If you do publish the article, I ask that you please notify me so that I may obtain a copy of the published article for our file.

If I can be of any assistance, please do not hesitate to call me.

Sincerely,

John M Martin

John Martin
General Manager
Southeast Texas Groundwater Conservation District
P.O. Box 1407
271 E. Lamar
Jasper, TX 75951

John Martin

From: John Martin <jmartin@setgcd.org>
Sent: Friday, August 04, 2017 6:25 AM
To: Localnews@beaumontenterprise.com
Subject: Summertime Water Saving - Conservation Article
Attachments: Conservation Article to Newspapers.docx; Conservation - Waste Reduction Article for website.pdf; Beaumont Ent.pdf

Hello,

Please find attached my cover letter and an article that I hope you will consider publishing in either the Beaumont Enterprise and/or the Hardin County News.

Thank you for your consideration.

John M.
Southeast Texas GCD
(409) 383-1577

SOUTHEAST TEXAS GROUNDWATER CONSERVATION DISTRICT

P.O. BOX 1407
JASPER, TEXAS 75951

PRESIDENT — WALTER R. GLENN
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SEC / TREAS — BOBBY ROGERS
OLEN BEAN
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JIM BOONE
ROBYN SUMMERLIN
M. CHARLES ZIMMERMAN
MITCH MCMILLON

GENERAL MANAGER — JOHN M. MARTIN
GENERAL COUNSEL — JOHN D. STOVER

August 4, 2017

Buna Beacon
Attn: Barbara Davis, Editor
566 Hwy 62
Buna, TX 77612
VIA E-Mail – publisher@BunaBeacon.com

Re: Water Conservation Article "Summertime Water Saving"

Dear Ms. Davis:

Summer is upon us, the season of our highest rate of water use. I thought a water conservation article on how to conserve water and not waste our precious groundwater resource, might be something that the paper might like to print. I would appreciate it if you would consider publishing this article in one format or another in your paper (i.e. a news story or op-ed piece). I understand that you are not obligated to print the article; I only ask that you consider it. Please feel free to make minor modifications to the article to meet any formatting guidelines necessary for publication or to correct grammatical errors.

I have attached the article in PDF format as well as a Microsoft Word file, for your convenience. If you publish the article, I ask that you please notify me so that I may obtain a copy of the published article for our file.

If I can be of any assistance, please do not hesitate to call me.

Sincerely,

John M Martin

John Martin
General Manager
Southeast Texas Groundwater Conservation District
P.O. Box 1407
271 E. Lamar
Jasper, TX 75951

John Martin

From: John Martin <jmartin@setgcd.org>
Sent: Friday, August 04, 2017 6:40 AM
To: publisher@BunaBeacon.com
Subject: Summertime Water Saving - Conservation Article
Attachments: Buna Beacon.pdf; Conservation Article to Newspapers.docx; Conservation Article to Newspapers.pdf

Dear Ms. Davis,

Please forgive my first email this morning. I just notice that I used the cut and paste feature without fully reading the email before hitting the send button. The first email I sent this morning and which I used as my template for subsequent emails was to the Beaumont Enterprise. Again, please forgive me (I've only had 1 cup of coffee so far this morning).

Again, I would greatly appreciate it if the Buna Beacon would consider publishing the attached conservation article. Should you have any questions, do not hesitate to contact me.

John M.
Southeast Texas GCD
(409) 383-1577

SOUTHEAST TEXAS GROUNDWATER CONSERVATION DISTRICT

P.O. BOX 1407
JASPER, TEXAS 75951

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	OLEN BEAN
	GREG WOBBE
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	JIM BOONE
	ROBYN SUMMERLIN
	M. CHARLES ZIMMERMAN
	MITCH MCMILLON
GENERAL MANAGER	JOHN M. MARTIN
GENERAL COUNSEL	JOHN D. STOVER

August 4, 2017

Jasper Newsboy
Attn: Jeffrey Reedy, Editor
702 S. Wheeler
Jasper, TX 75951
VIA E-Mail – Jreedy@Jaspernewsboy.com

Re: Water Conservation Article "Summertime Water Saving"

Dear Mr. Reedy:

Summer is upon us, the season of our highest rate of water use. I thought a water conservation article on how to conserve water and not waste our precious groundwater resource, might be something that the paper might like to print. I would appreciate it if you would consider publishing this article in one format or another in your paper (i.e. a news story or op-ed piece). I understand that you are not obligated to print the article; I only ask that you consider it. Please feel free to make minor modifications to the article to meet any formatting guidelines necessary for publication or to correct grammatical errors.

I have attached the article in PDF format as well as a Microsoft Word file, for your convenience. If you publish the article, I ask that you please notify me so that I may obtain a copy of the published article for our file.

If I can be of any assistance, please do not hesitate to call me.

Sincerely,

John M Martin

John Martin
General Manager
Southeast Texas Groundwater Conservation District
P.O. Box 1407
271 E. Lamar
Jasper, TX 75951

John Martin

From: John Martin <jmartin@setgcd.org>
Sent: Friday, August 04, 2017 6:41 AM
To: jreedy@jaspernewsboy.com
Subject: Summertime Water Saving - Conservation Article
Attachments: Conservation Article to Newspapers.docx; Conservation Article to Newspapers.pdf; Jasper Newboy.pdf

Mr. Reedy,

Please forgive my first email this morning. I just notice that I used the cut and paste feature without fully reading the email before hitting the send button. The first email I sent this morning and which I used as my template for subsequent emails was to the Beaumont Enterprise. Again, please forgive me (I've only had 1 cup of coffee so far this morning).

Again, I would greatly appreciate it if the Jasper Newsboy would consider publishing the attached conservation article. Should you have any questions, do not hesitate to contact me.

John M.
Southeast Texas GCD
(409) 383-1577

SOUTHEAST TEXAS GROUNDWATER CONSERVATION DISTRICT

P.O. BOX 1407
JASPER, TEXAS 75951

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SAM ASHWORTH
JIM BOONE
ROBYN SUMMERLIN
M. CHARLES ZIMMERMAN
MITCH MCMILLON

GENERAL MANAGER — JOHN M. MARTIN
GENERAL COUNSEL — JOHN D. STOVER

August 4, 2017

Kirbyville Banner
Attn: Sandi
104 N. Kellie
Kirbyville, TX 75956
VIA E-Mail – Kbanner@sbcglobal.net

Re: Water Conservation Article "Summertime Water Saving"

Dear Sandi:

Summer is upon us, the season of our highest rate of water use. I thought a water conservation article on how to conserve water and not waste our precious groundwater resource, might be something that the paper might like to print. I would appreciate it if you would consider publishing this article in one format or another in your paper (i.e. a news story or op-ed piece). I understand that you are not obligated to print the article; I only ask that you consider it. Please feel free to make minor modifications to the article to meet any formatting guidelines necessary for publication or to correct grammatical errors.

I have attached the article in PDF format as well as a Microsoft Word file, for your convenience. If you publish the article, I ask that you please notify me so that I may obtain a copy of the published article for our file.

If I can be of any assistance, please do not hesitate to call me.

Sincerely,

John M Martin

John Martin
General Manager
Southeast Texas Groundwater Conservation District
P.O. Box 1407
271 E. Lamar
Jasper, TX 75951

John Martin

From: John Martin <jmartin@setgcd.org>
Sent: Friday, August 04, 2017 6:32 AM
To: Kbanner@sbcglobal.net
Subject: Summertime Water Saving - Conservation Article
Attachments: Conservation Article to Newspapers.docx; Conservation Article to Newspapers.pdf; Kirbyville Banner.pdf

Hi Sandi,

Please find attached my cover letter and an article that I hope you will consider publishing in either the Kirbyville Banner.

Thank you for your consideration.

John M.
Southeast Texas GCD
(409) 383-1577

SOUTHEAST TEXAS GROUNDWATER CONSERVATION DISTRICT

P.O. BOX 1407
JASPER, TEXAS 75951

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	MITCH MCMILLON
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	ROBYN SUMMERLIN
	M. CHARLES ZIMMERMAN
	MITCH MCMILLON
GENERAL MANAGER	JOHN M. MARTIN
GENERAL COUNSEL	JOHN D. STOVER

August 4, 2017

Newton County News
Attn: Shawn Wilkerson
211 Glover Dr.
Newton, TX 75966
VIA E-Mail – Newtonnews@valornet.com

Re: Water Conservation Article "Summertime Water Saving"

Dear Mr. Wilkerson:

Summer is upon us, the season of our highest rate of water use. I thought a water conservation article on how to conserve water and not waste our precious groundwater resource, might be something that the paper might like to print. I would appreciate it if you would consider publishing this article in one format or another in your paper (i.e. a news story or op-ed piece). I understand that you are not obligated to print the article; I only ask that you consider it. Please feel free to make minor modifications to the article to meet any formatting guidelines necessary for publication or to correct grammatical errors.

I have attached the article in PDF format as well as a Microsoft Word file, for your convenience. If you publish the article, I ask that you please notify me so that I may obtain a copy of the published article for our file.

If I can be of any assistance, please do not hesitate to call me.

Sincerely,

John M Martin

John Martin
General Manager
Southeast Texas Groundwater Conservation District
P.O. Box 1407
271 E. Lamar
Jasper, TX 75951

John Martin

From: John Martin <jmartin@setgcd.org>
Sent: Friday, August 04, 2017 6:33 AM
To: newtonnews@valornet.com
Subject: Summertime Water Saving - Conservation Article
Attachments: Conservation Article to Newspapers.docx; Conservation Article to Newspapers.pdf; Newton County News.pdf

Hello Mr. Wilkerson,

Please find attached my cover letter and an article that I hope you will consider publishing in the Newton County News.

Thank you for your consideration.

John M.
Southeast Texas GCD
(409) 383-1577

SOUTHEAST TEXAS GROUNDWATER CONSERVATION DISTRICT

P.O. BOX 1407
JASPER, TEXAS 75951

PRESIDENT	WALTER R. GLENN
VICE PRESIDENT	ROGER FUSSELL
SEC / TREAS	BOBBY ROGERS
	OLEN BEAN
	GREG WOBBE
	JON MEEK
	MITCH MCMILLON
	WENDY TURNER
	LINDA POWELL
	SAM ASHWORTH
	JIM BOONE
	ROBYN SUMMERLIN
	M. CHARLES ZIMMERMAN
	MITCH MCMILLON
GENERAL MANAGER	JOHN M. MARTIN
GENERAL COUNSEL	JOHN D. STOVER

August 4, 2017

Silsbee Bee
Attn: Daniel Elizondo, Editor
410 Hwy. 96 South
Silsbee, TX 77656
VIA E-Mail – Editor@Silsbeebee.com

Re: Water Conservation Article "Summertime Water Saving"

Dear Mr. Elizondo:

Summer is upon us, the season of our highest rate of water use. I thought a water conservation article on how to conserve water and not waste our precious groundwater resource, might be something that the paper might like to print. I would appreciate it if you would consider publishing this article in one format or another in your paper (i.e. a news story or op-ed piece). I understand that you are not obligated to print the article; I only ask that you consider it. Please feel free to make minor modifications to the article to meet any formatting guidelines necessary for publication or to correct grammatical errors.

I have attached the article in PDF format as well as a Microsoft Word file, for your convenience. If you publish the article, I ask that you please notify me so that I may obtain a copy of the published article for our file.

If I can be of any assistance, please do not hesitate to call me.

Sincerely,

John M Martin

John Martin
General Manager
Southeast Texas Groundwater Conservation District
P.O. Box 1407
271 E. Lamar
Jasper, TX 75951

John Martin

From: John Martin <jmartin@setgcd.org>
Sent: Friday, August 04, 2017 6:31 AM
To: editor@silsbeebee.com
Subject: Summertime Water Saving - Conservation Article
Attachments: Conservation Article to Newspapers.docx; Conservation Article to Newspapers.pdf; Silsbee Bee.pdf

Hello Mr. Elizondo,

Please find attached my cover letter and an article that I hope you will consider publishing in either the Silsbee Bee.

Thank you for your consideration.

John M.
Southeast Texas GCD
(409) 383-1577

SOUTHEAST TEXAS GROUNDWATER CONSERVATION DISTRICT

P.O. BOX 1407
JASPER, TEXAS 75951

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	M. CHARLES ZIMMERMAN
	MITCH MCMILLON
GENERAL MANAGER	JOHN M. MARTIN
GENERAL COUNSEL	JOHN D. STOVER

August 4, 2017

Tyler County Booster
Attn: Jim Powers, Editor
205 W. Bluff
Woodville, TX 75979
VIA E-Mail – Classified@TylerCountyBooster.com

Re: Water Conservation Article "Summertime Water Saving"

Dear Mr. Powers:

Summer is upon us, the season of our highest rate of water use. I thought a water conservation article on how to conserve water and not waste our precious groundwater resource, might be something that the paper might like to print. I would appreciate it if you would consider publishing this article in one format or another in your paper (i.e. a news story or op-ed piece). I understand that you are not obligated to print the article; I only ask that you consider it. Please feel free to make minor modifications to the article to meet any formatting guidelines necessary for publication or to correct grammatical errors.

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Sincerely,

John M Martin

John Martin
General Manager
Southeast Texas Groundwater Conservation District
P.O. Box 1407
271 E. Lamar
Jasper, TX 75951

John Martin

From: John Martin <jmartin@setgcd.org>
Sent: Friday, August 04, 2017 6:30 AM
To: Classified@tylercountybooster.com
Subject: Summertime Water Savings - Conservation Article
Attachments: Conservation Article to Newspapers.docx; Conservation Article to Newspapers.pdf; Tyler County Booster.pdf

Hello Mr. Powers,

Please find attached my cover letter and an article that I hope you will consider publishing in either the Tyler County Booster.

Thank you for your consideration.

John M.
Southeast Texas GCD
(409) 383-1577

Keep Some Jingle in your Pocket this Holiday Season!
Water Saving Tips for the Holidays
By: Karen Siddall, Prairieland Groundwater Conservation District

Over the holidays, with more time at home and more visitors in the house, our water bill can really take a hit. More cooking, more showering, (more flushing!) all require more water than what we normally use. Since the water bill in winter tends to be lower than other times of the year, because few of us are watering our gardens or lawns then, the increase in consumption around the holidays can be masked.

Here are some things that can be done around the holidays to save water and keep some of the jingle in our pocket rather than sending it out the door with a water bill.

Getting in the holiday spirit

- Consider switching to a reusable artificial tree this year – no watering!
- We're more likely to notice water leaks indoors, so while putting up the outdoor lights, don't forget to check outdoor faucets, sprinklers, and hoses. And if really cold weather is anticipated, cover up and insulate that outdoor faucet.
- While you're out there, find out where your master water shut off valve is located and how to turn it off in case of a leak. This could save water and prevent damage to your home.
- As that final touch for upping your Christmas curb appeal, use a broom instead of a hose to clean your driveway and sidewalk.
- Then before you put the big, red bow or antlers and red nose on the car, use a commercial car wash that recycles water.

Holiday feasting

- Don't use running water to thaw food. Plan ahead and leave time to defrost food safely in the refrigerator.
- Wash fruit and vegetables in a pan of water rather than running water from the tap.
- Use the garbage disposal sparingly. Compost your food waste and save a gallon or two of water every time you would have used it. And, come springtime you'll have fresh compost for the garden.
- Soak pots and pans instead of letting the water run. Not only will you save water you'll also save a little of your energy.
- Keep in mind that a dishwasher uses less water to clean a full load of dishes than doing them by hand. Energy Star™ dishwashers use between 4 and 6 gallons of water per load depending on the cycle selected. If washing dishes by hand is necessary, fill the sink and rinse the dishes when they have all been scraped and scrubbed.

Family at home

- Turn off the water while you brush your teeth and save one to two gallons per minute. If you brush for the full two minutes that the dentist recommends, that's a water savings of up to four gallons every time you brush.
- Try to only use on glass per person per day. Each person reusing their glass cuts down on the number that need to be washed and leaves space in the dishwasher for other items.
- When running a bath, plug the tub before turning the water on, then adjust the temperature as the tub fills up. However, consider a short shower because it uses less water than a full bath.
- When doing laundry, match the water level to the size of the load.

Small adjustments such as these will bring reductions in your daily water consumption. But more importantly, their daily practice can lead to them becoming long-term habits. Over time, these habits can add up to some significant savings on your water bill letting you keep those savings jingling in your pocket rather than flowing down the drain.

SOUTHEAST TEXAS GROUNDWATER CONSERVATION DISTRICT

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JASPER, TEXAS 75951

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	M. CHARLES ZIMMERMAN
GENERAL MANAGER	JOHN M. MARTIN
GENERAL COUNSEL	JOHN D. STOVER

December 6, 2017

Beaumont Enterprise / Hardin County News
Attn: Editor
380 Main Street
Beaumont, TX 77701
VIA –E-Mail – Localnews@beaumontenterprise.com

Re: Water Conservation Article "Keep the Jingle in Your Pocket this Christmas"

To whom it may concern:

Winter and the holiday season are upon us and I thought a water conservation article on how to conserve water and not waste our precious groundwater resource, might be something that the paper might like to print. Normally (for better or for worse) I write the articles that I submit for publication, however, this particular article has was written by a colleague, Karen Siddall of the Prairieland Groundwater Conservation District. I would appreciate it if you would consider publishing this article in one format or another in your paper (i.e. a news story or op-ed piece). I understand that you are not obligated to print the article; I only ask that you consider it. Please feel free to make minor modifications to the article to meet any formatting guidelines necessary for publication or to correct grammatical errors.

I have attached the article in PDF format as well as a Microsoft Word file, for your convenience. If you do publish the article, I ask that you please notify me so that I may obtain a copy of the published article for our file.

If I can be of any assistance, please do not hesitate to call me.

Sincerely,

John Martin
General Manager
Southeast Texas Groundwater Conservation District
P.O. Box 1407
271 E. Lamar
Jasper, TX 75951

John Martin

From: John Martin <jmartin@setgcd.org>
Sent: Wednesday, December 06, 2017 8:51 AM
To: Localnews@beaumontenterprise.com
Subject: Water Conservation Article
Attachments: Beaumont Ent.pdf; Newspaper article - Keep the Jingle in your Pocket this Christmas.docx; Newspaper article - Keep the Jingle in your Pocket this Christmas.pdf

Dear Beaumont Enterprise / Hardin County News,

Please find attached my cover letter and water conservation article for your consideration. Should you have any questions, please do not hesitate to contact me.

John Martin
Southeast Texas Groundwater
Conservation District
P.O. Box 1407
Jasper, TX 75951
(409) 383-1577

SOUTHEAST TEXAS GROUNDWATER CONSERVATION DISTRICT

P.O. BOX 1407
JASPER, TEXAS 75951

PRESIDENT	WALTER R. GLENN
VICE PRESIDENT	ROGER FUSSELL
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	M. CHARLES ZIMMERMAN
	MITCH MCMILLON
GENERAL MANAGER	JOHN M. MARTIN
GENERAL COUNSEL	JOHN D. STOVER

December 6, 2017

Buna Beacon
Attn: Barbara Davis, Editor
566 Hwy 62
Buna, TX 77612
VIA E-Mail – publisher@BunaBeacon.com

Re: Water Conservation Article "Keep the Jingle in Your Pocket this Christmas

Dear Ms. Davis:

Winter and the holiday season are upon us and I thought a water conservation article on how to conserve water and not waste our precious groundwater resource, might be something that the paper might like to print. Normally (for better or for worse) I write the articles that I submit for publication, however, this particular article has was written by a colleague, Karen Siddall of the Prairieland Groundwater Conservation District. I would appreciate it if you would consider publishing this article in one format or another in your paper (i.e. a news story or op-ed piece). I understand that you are not obligated to print the article; I only ask that you consider it. Please feel free to make minor modifications to the article to meet any formatting guidelines necessary for publication or to correct grammatical errors.

I have attached the article in PDF format as well as a Microsoft Word file, for your convenience. If you publish the article, I ask that you please notify me so that I may obtain a copy of the published article for our file.

If I can be of any assistance, please do not hesitate to call me.

Sincerely,

John M Martin

John Martin
General Manager
Southeast Texas Groundwater Conservation District
P.O. Box 1407
271 E. Lamar
Jasper, TX 75951

John Martin

From: John Martin <jmartin@setgcd.org>
Sent: Wednesday, December 06, 2017 8:52 AM
To: publisher@BunaBeacon.com
Subject: Water Conservation Article
Attachments: Buna Beacon.pdf; Newspaper article - Keep the Jingle in your Pocket this Christmas.docx; Newspaper article - Keep the Jingle in your Pocket this Christmas.pdf

Dear Ms. Davis,

Please find attached my cover letter and water conservation article for your consideration. Should you have any questions, please do not hesitate to contact me.

John Martin
Southeast Texas Groundwater
Conservation District
P.O. Box 1407
Jasper, TX 75951
(409) 383-1577

SOUTHEAST TEXAS GROUNDWATER CONSERVATION DISTRICT

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JASPER, TEXAS 75951

PRESIDENT — WALTER R. GLENN
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M. CHARLES ZIMMERMAN
MITCH MCMILLON

GENERAL MANAGER — JOHN M. MARTIN
GENERAL COUNSEL — JOHN D. STOVER

December 6, 2017

Jasper Newsboy
Attn: Jeffrey Reedy, Editor
702 S. Wheeler
Jasper, TX 75951
VIA E-Mail – Jreedy@Jaspernewsboy.com

Re: Water Conservation Article "Keep the Jingle in Your Pocket this Christmas"

Dear Mr. Reedy:

Winter and the holiday season are upon us and I thought a water conservation article on how to conserve water and not waste our precious groundwater resource, might be something that the paper might like to print. Normally (for better or for worse) I write the articles that I submit for publication, however, this particular article has was written by a colleague, Karen Siddall of the Prairieland Groundwater Conservation District. I would appreciate it if you would consider publishing this article in one format or another in your paper (i.e. a news story or op-ed piece). I understand that you are not obligated to print the article; I only ask that you consider it. Please feel free to make minor modifications to the article to meet any formatting guidelines necessary for publication or to correct grammatical errors.

I have attached the article in PDF format as well as a Microsoft Word file, for your convenience. If you publish the article, I ask that you please notify me so that I may obtain a copy of the published article for our file.

If I can be of any assistance, please do not hesitate to call me.

Sincerely,

John Martin
General Manager
Southeast Texas Groundwater Conservation District
P.O. Box 1407
271 E. Lamar
Jasper, TX 75951

John Martin

From: John Martin <jmartin@setgcd.org>
Sent: Wednesday, December 06, 2017 8:53 AM
To: jreedy@jaspernewsboy.com
Subject: Water Conservation Article
Attachments: Jasper Newboy.pdf; Newspaper article - Keep the Jingle in your Pocket this Christmas.docx; Newspaper article - Keep the Jingle in your Pocket this Christmas.pdf

Dear Sir,

Please find attached my cover letter and water conservation article for your consideration. Should you have any questions, please do not hesitate to contact me.

John Martin
Southeast Texas Groundwater
Conservation District
P.O. Box 1407
Jasper, TX 75951
(409) 383-1577

SOUTHEAST TEXAS GROUNDWATER CONSERVATION DISTRICT

P.O. BOX 1407
JASPER, TEXAS 75951

PRESIDENT	WALTER R. GLENN
VICE PRESIDENT	ROGER FUSSELL
SEC / TREAS	BOBBY ROGERS
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	GREG WOBBE
	JON MEEK
	MITCH MCMILLON
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	M. CHARLES ZIMMERMAN
	MITCH MCMILLON
GENERAL MANAGER	JOHN M. MARTIN
GENERAL COUNSEL	JOHN D. STOVER

December 6, 2017

Kirbyville Banner
Attn: Sandi
104 N. Kellie
Kirbyville, TX 75956
VIA E-Mail – Kbanner@sbcglobal.net

Re: Water Conservation Article "Keep the Jingle in Your Pocket this Christmas"

Dear Sandi:

Winter and the holiday season are upon us and I thought a water conservation article on how to conserve water and not waste our precious groundwater resource, might be something that the paper might like to print. Normally (for better or for worse) I write the articles that I submit for publication, however, this particular article has was written by a colleague, Karen Siddall of the Prairieland Groundwater Conservation District. I would appreciate it if you would consider publishing this article in one format or another in your paper (i.e. a news story or op-ed piece). I understand that you are not obligated to print the article; I only ask that you consider it. Please feel free to make minor modifications to the article to meet any formatting guidelines necessary for publication or to correct grammatical errors.

I have attached the article in PDF format as well as a Microsoft Word file, for your convenience. If you publish the article, I ask that you please notify me so that I may obtain a copy of the published article for our file.

If I can be of any assistance, please do not hesitate to call me.

Sincerely,

John M Martin

John Martin
General Manager
Southeast Texas Groundwater Conservation District
P.O. Box 1407
271 E. Lamar
Jasper, TX 75951

John Martin

From: John Martin <jmartin@setgcd.org>
Sent: Wednesday, December 06, 2017 8:54 AM
To: Kbanner@sbcglobal.net
Subject: Water Conservation Article
Attachments: Kirbyville Banner.pdf; Newspaper article - Keep the Jingle in your Pocket this Christmas.docx; Newspaper article - Keep the Jingle in your Pocket this Christmas.pdf

Dear Sandi,

I hope this email finds you well. Please find attached my cover letter and water conservation article for your consideration. Should you have any questions, please do not hesitate to contact me.

John Martin
Southeast Texas Groundwater
Conservation District
P.O. Box 1407
Jasper, TX 75951
(409) 383-1577

SOUTHEAST TEXAS GROUNDWATER CONSERVATION DISTRICT

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	M. CHARLES ZIMMERMAN
	MITCH MCMILLON
GENERAL MANAGER	JOHN M. MARTIN
GENERAL COUNSEL	JOHN D. STOVER

December 6, 2017

Newton County News
Attn: Shawn Wilkerson
211 Glover Dr.
Newton, TX 75966
VIA E-Mail – Newtonnews@valornet.com

Re: Water Conservation Article "Keep the Jingle in Your Pocket this Christmas"

Dear Mr. Wilkerson:

Winter and the holiday season are upon us and I thought a water conservation article on how to conserve water and not waste our precious groundwater resource, might be something that the paper might like to print. Normally (for better or for worse) I write the articles that I submit for publication, however, this particular article has was written by a colleague, Karen Siddall of the Prairieland Groundwater Conservation District. I would appreciate it if you would consider publishing this article in one format or another in your paper (i.e. a news story or op-ed piece). I understand that you are not obligated to print the article; I only ask that you consider it. Please feel free to make minor modifications to the article to meet any formatting guidelines necessary for publication or to correct grammatical errors.

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If I can be of any assistance, please do not hesitate to call me.

Sincerely,

John Martin
General Manager
Southeast Texas Groundwater Conservation District
P.O. Box 1407
271 E. Lamar
Jasper, TX 75951

John Martin

From: John Martin <jmartin@setgcd.org>
Sent: Wednesday, December 06, 2017 8:56 AM
To: newtonnews@valornet.com
Subject: Water Conservation Article
Attachments: Newspaper article - Keep the Jingle in your Pocket this Christmas.docx; Newspaper article - Keep the Jingle in your Pocket this Christmas.pdf; Newton County News.pdf

Dear Mr. Wilkerson,

Please find attached my cover letter and water conservation article for your consideration. Should you have any questions, please do not hesitate to contact me.

John Martin
Southeast Texas Groundwater
Conservation District
P.O. Box 1407
Jasper, TX 75951
(409) 383-1577

SOUTHEAST TEXAS GROUNDWATER CONSERVATION DISTRICT

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	MITCH MCMILLON
GENERAL MANAGER	JOHN M. MARTIN
GENERAL COUNSEL	JOHN D. STOVER

December 6, 2017

Silsbee Bee
Attn: Daniel Elizondo, Editor
410 Hwy. 96 South
Silsbee, TX 77656
VIA E-Mail – Editor@Silsbeebee.com

Re: Water Conservation Article "Keep the Jingle in Your Pocket this Christmas"

Dear Mr. Elizondo:

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Sincerely,

John Martin
General Manager
Southeast Texas Groundwater Conservation District
P.O. Box 1407
271 E. Lamar
Jasper, TX 75951

John Martin

From: John Martin <jmartin@setgcd.org>
Sent: Wednesday, December 06, 2017 8:57 AM
To: editor@silsbeebee.com
Subject: Water Conservation Article
Attachments: Newspaper article - Keep the Jingle in your Pocket this Christmas.docx; Newspaper article - Keep the Jingle in your Pocket this Christmas.pdf; Silsbee Bee.pdf

Dear Mr. Elizondo,

Please find attached my cover letter and water conservation article for your consideration. Should you have any questions, please do not hesitate to contact me.

John Martin
Southeast Texas Groundwater
Conservation District
P.O. Box 1407
Jasper, TX 75951
(409) 383-1577

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	MITCH MCMILLON
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GENERAL COUNSEL	JOHN D. STOVER

December 6, 2017

Tyler County Booster
Attn: Jim Powers, Editor
205 W. Bluff
Woodville, TX 75979
VIA E-Mail – Classified@TylerCountyBooster.com

Re: Water Conservation Article "Keep the Jingle in Your Pocket this Christmas"

Dear Mr. Powers:

Winter and the holiday season are upon us and I thought a water conservation article on how to conserve water and not waste our precious groundwater resource, might be something that the paper might like to print. Normally (for better or for worse) I write the articles that I submit for publication, however, this particular article has was written by a colleague, Karen Siddall of the Prairieland Groundwater Conservation District. I would appreciate it if you would consider publishing this article in one format or another in your paper (i.e. a news story or op-ed piece). I understand that you are not obligated to print the article; I only ask that you consider it. Please feel free to make minor modifications to the article to meet any formatting guidelines necessary for publication or to correct grammatical errors.

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If I can be of any assistance, please do not hesitate to call me.

Sincerely,

John Martin
General Manager
Southeast Texas Groundwater Conservation District
P.O. Box 1407
271 E. Lamar
Jasper, TX 75951

John Martin

From: John Martin <jmartin@setgcd.org>
Sent: Wednesday, December 06, 2017 8:58 AM
To: Classified@tylercountybooster.com
Subject: Water Conservation Article
Attachments: Newspaper article - Keep the Jingle in your Pocket this Christmas.docx; Newspaper article - Keep the Jingle in your Pocket this Christmas.pdf; Tyler County Booster.pdf

Dear Mr. Powers,

Please find attached my cover letter and water conservation article for your consideration. Should you have any questions, please do not hesitate to contact me.

John Martin
Southeast Texas Groundwater
Conservation District
P.O. Box 1407
Jasper, TX 75951
(409) 383-1577

GOAL 4.8

ADDRESSING FUTURE CONDITIONS OF GROUNDWATER RESOURCES IN A QUANTITATIVE MANNER

Objective

1. *The District will monitor groundwater conditions within the District by measuring the static water level in at least fifteen (15) monitor wells annually.*

Performance Standard

1. *The recorded static water levels of the fifteen (15) monitor wells will be included in the District's Annual Report.*

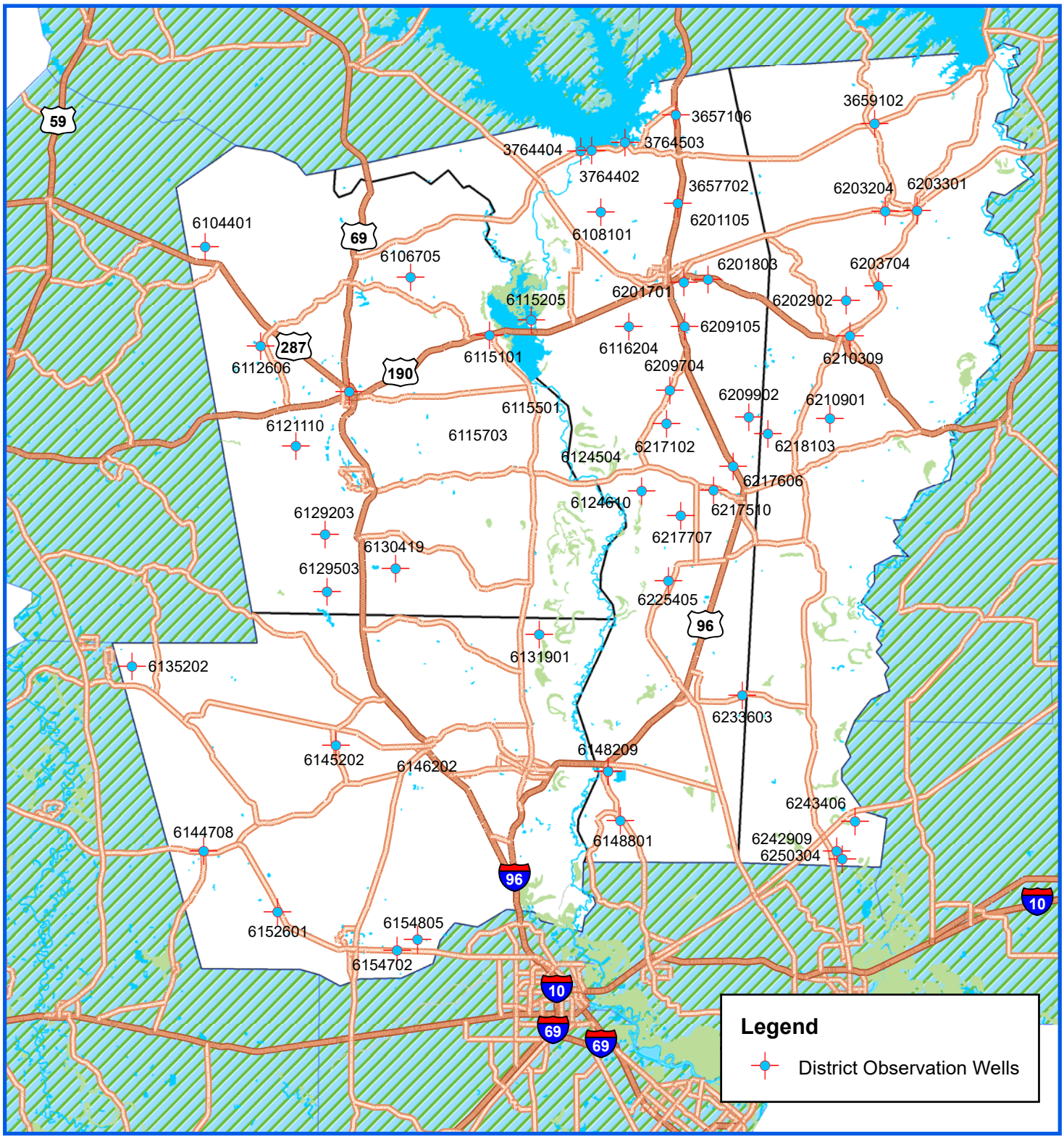
OBJECTIVE 1

Objective 1 has been met by the monitoring of fifty (50) wells on two separate occasions in 2017 (May and November). This year the District added two wells to the observation well program, one in Hardin County and one in Tyler County. The District has removed well 61-15-703 from the program upon request from the new landowner. The well is one of several Chicot wells located in Tyler County and will not affect the monitoring program.

The static water level data collected is shared with the Texas Water Development Board, providing the agency with current data for groundwater modeling and planning purposes. The Texas Water Development Board continues to maintain a transducer in monitor well 6148209 allowing for static water levels to be obtained from this well via the internet at http://www.twdb.state.tx.us/gwrd/waterlevels/waterlevels.html .

Additionally the District continues joint planning within Groundwater Management Area 14 ("GMA 14") to set, as statutorily required, the Desired Future Conditions of the GMA (our current DFCs are based on a sixty year groundwater planning period). The Groundwater Availability Models, Modeled Available Groundwater, and associated data that is compiled in the process will be used by the District in its efforts to address the future conditions of the Gulf Coast Aquifer in the Southeast Texas Groundwater Conservation District.

Water Level Observation Wells - 2017



N
W E
S

0 5 10 Miles

Drafted By:
John Martin, Southeast Texas GCD

Date
January 29, 2018

Data Source
ESRI Street Map USA 2006
SETGCD ArcView GIS Database

SOUTHEAST TEXAS GROUNDWATER CONSERVATION DISTRICT

FALL 2017

State Well ID No.	County	Date	Current Depth from MP	MP	Current Depth from Land Surface	Method	Remarks	Technician
3657106	Jasper	11/8/2017	-11.80	4.00	-7.80	E-Line		John Martin
3657702	Jasper	11/8/2017	-117.21	1.50	-115.71	E-Line		John Martin
3764402	Jasper	11/8/2017	-112.15	1.50	-110.65	E-Line		John Martin
3764404	Jasper	11/8/2017	-50.10	2.00	-48.10	E-Line		John Martin
3764503	Jasper	11/8/2017	-34.50	3.08	-31.42	E-Line		John Martin
6108101	Jasper	11/8/2017	-39.65	1.50	-38.15	E-Line		John Martin
6115205	Jasper	11/8/2017	37.53	3.00	40.53	Pressure Gauge	16.25 psi	John Martin
6116204	Jasper	11/8/2017	-55.03	3.50	-51.53	E-Line	double check with steel tape	John Martin
6124504	Jasper		0.00	0.00	0.00			John Martin
6124610	Jasper	11/8/2017	-29.40	0.66	-28.74	E-Line		John Martin
6148221	Jasper	11/13/2017	-191.37	4.00	-187.37	E-Line	Satellite / ??? MP???	John Martin
6148209	Jasper	11/13/2017	-30.00	1.00	-29.00	E-Line	?????	John Martin
6148801	Jasper	11/13/2017	-10.92	1.00	-9.92	E-Line		John Martin
6201105	Jasper				0.00			
6201701	Jasper	11/14/2017	-80.18	2.00	-78.18	Steel Tape		John Martin
6201803	Jasper	11/14/2017	-87.23	3.50	-83.73	E-Line		John Martin
6209105	Jasper	11/8/2017	-4.96	2.00	-2.96	E-Line		John Martin
6209704	Jasper	11/8/2017	-33.65	2.00	-31.65	E-Line		John Martin
6209902	Jasper	11/14/2017	-20.73	2.50	-18.23	E-Line		John Martin
6217102	Jasper	11/8/2017	-53.25	1.00	-52.25	E-Line		John Martin
6217510	Jasper	11/14/2017	-14.60	0.80	-13.80	Steel Tape		John Martin
6217606	Jasper	11/14/2017	-8.05	2.50	-5.55	E-Line		John Martin
6217707	Jasper	11/14/2017	-14.82	1.50	-13.32	E-Line		John Martin
6225405	Jasper	11/8/2017	-58.20	1.00	-57.20	E-Line		John Martin
6233603	Jasper	11/13/2017	-13.60	1.00	-12.60	E-Line		John Martin
6131901	Hardin	11/14/2017	-42.42	3.40	-39.02	E-Line	New MP	John Martin
6135202	Hardin	11/16/2017	-59.32	2.60	-56.72	E-Line	NEW TO PROGRAM	
6144708	Hardin	11/16/2017	-26.30	0.00	-26.30	E-Line		John Martin
6145202	Hardin	11/14/2017	-11.86	2.00	-9.86	E-Line		John Martin
6146202	Hardin			0.00	0.00	E-Line	Closed	John Martin
6152601	Hardin	11/16/2017	-16.43	0.66	-15.77	E-Line		John Martin
6154702	Hardin	11/16/2017	-32.84	0.90	-31.94	E-Line		John Martin
6154805	Hardin	11/16/2017	-43.06	2.10	-40.96	E-Line		John Martin
6104401	Tyler	11/7/2017	-165.45	0.00	-165.45	E-Line		John Martin

6106705	Tyler	11/14/2017	-150.10	2.17	-147.93	E-Line	10 minute wait from pumping	John Martin
6112606	Tyler	11/7/2017	-124.30	0.30	-124.00	E-Line		John Martin
6113802	Tyler	11/7/2017	-166.30	1.50	-164.80	E-Line		John Martin
6115101	Tyler	11/7/2017	-32.95	0.50	-32.45	E-Line		John Martin
6115501	Tyler			2.00	2.00	Steel Tape	no longer recording	John Martin
6115703	Tyler			0.00		E-Line	no longer in program	John Martin
6121110	Tyler	11/7/2017	-9.35	0.33	-9.02	E-Line		John Martin
6129203	Tyler	11/16/2017	-24.38	3.00	-21.38	E-Line		John Martin
6129503	Tyler	11/16/2017	-23.05	2.30	-20.75	E-Line	NEW TO PROGRAM	
6130419	Tyler	11/16/2017	-11.50	3.50	-8.00	E-Line		John Martin
3659102	Newton	11/13/2017	-88.58	2.33	-86.25	E-Line		John Martin
6202902	Newton	11/13/2017	-10.15	1.00	-9.15	E-Line		John Martin
6203204	Newton	11/13/2017	-69.15	1.60	-67.55	E-Line	New MP	John Martin
6203301	Newton	11/13/2017	-40.36	2.40	-37.96	E-Line	New MP	John Martin
6203704	Newton	11/13/2017	-174.38	1.30	-173.08	E-Line		John Martin
6210309	Newton	11/13/2017	-67.04	2.70	-64.34	E-Line	New MP	John Martin
6210901	Newton	11/16/2017	-16.64	0.50	-16.14	E-Line		John Martin
6218103	Newton	11/14/2017	-37.30	1.25	-36.05	E-Line		John Martin
6242909	Newton	11/13/2017	-39.20	2.25	-36.95	E-Line	New MP	John Martin
6243406	Newton	11/13/2017	-27.52	1.80	-25.72	E-Line		John Martin
6250304	Newton	11/13/2017	-37.70	1.00	-36.70	E-Line	Pump off 10 minutes	John Martin

SPRING 2017

State Well ID No.	County	Date	Current Depth from MP	MP	Current Depth from Land Surface	Method	Remarks	Technician
3657106	Jasper	4/24/2017	-10.02	4.00	-6.02	E-Line		John Martin
3657702	Jasper	4/25/2017	-117.93	1.50	-116.43	E-Line		John Martin
3764402	Jasper	4/24/2017	-112.45	1.50	-110.95	E-Line		John Martin
3764404	Jasper	4/24/2017	-50.84	2.00	-48.84	E-Line		John Martin
3764503	Jasper	4/24/2017	-34.15	3.08	-31.07	E-Line		John Martin
6108101	Jasper	4/24/2017	-41.90	1.50	-40.40	E-Line		John Martin
6115205	Jasper	5/15/2017	41.70	3.00	44.70	Pressure Gauge	16.75 psi	John Martin
6116204	Jasper	424/2017	-55.40	3.50	-51.90	E-Line		John Martin
6124504	Jasper		0.00	0.00	0.00			John Martin
6124610	Jasper	4/24/2017	-31.95	0.66	-31.29	E-Line		John Martin
6148221	Jasper	4/21/2017	-191.44	4.00	-201.55	E-Line	Satellite not recording	John Martin
6148209	Jasper	4/21/2017	-30.65	1.00	-29.65	E-Line		John Martin
6148801	Jasper	4/21/2017	-9.32	1.00	-8.32	E-Line		John Martin
6201105	Jasper				0.00			
6201701	Jasper	5/15/2017	-77.70	2.00	-75.70	Steel Tape		John Martin
6201803	Jasper	5/15/2017	-86.70	3.50	-83.20	E-Line		John Martin
6209105	Jasper	4/24/2017	-4.58	2.00	-2.58	E-Line		John Martin
6209704	Jasper	4/24/2017	-35.80	2.00	-33.80	E-Line		John Martin
6209902	Jasper	5/12/2017	-19.20	2.50	-16.70	E-Line		John Martin
6217102	Jasper	4/24/2017	-56.50	1.00	-55.50	E-Line		John Martin
6217510	Jasper	4/25/2017	-17.05	0.80	-16.25	E-Line		John Martin
6217606	Jasper	4/25/2017	-4.30	2.50	-1.80	E-Line		John Martin
6217707	Jasper	4/25/2017	-6.15	1.50	-4.65	E-Line		John Martin
6225405	Jasper	4/25/2017	-59.03	1.00	-58.03	E-Line		John Martin
6233603	Jasper	4/21/2017	-9.07	1.00	-8.07	E-Line		John Martin
6131901	Hardin	5/5/2017	-5.70	3.40	-2.30	E-Line	New MP	John Martin
6144708	Hardin	5/9/2017	-26.90	0.00	-26.90	E-Line		John Martin
6145202	Hardin	5/11/2017	-9.65	2.00	-7.65	E-Line		John Martin
6146202	Hardin			0.00	0.00	E-Line	Closed	John Martin
6152601	Hardin	5/9/2017	-15.40	0.66	-14.74	E-Line		John Martin
6154702	Hardin	5/9/2017	-29.12	0.90	-28.22	E-Line		John Martin
6154805	Hardin	5/9/2017	-36.13	2.10	-34.03	E-Line		John Martin
6104401	Tyler	5/11/2017	-165.20	0.00	-165.20	E-Line		John Martin
6106705	Tyler	5/11/2017	-147.50	2.17	-145.33	E-Line	New MP	John Martin

6112606	Tyler	5/11/2017	-124.50	0.30	-124.20	E-Line		John Martin
6113802	Tyler	5/11/2017	-165.70	1.50	-164.20	E-Line		John Martin
6115101	Tyler	5/5/2011	-33.35	0.50	-32.85	E-Line		John Martin
6115501	Tyler			2.00	2.00	Steel Tape	no longer recording	John Martin
6115703	Tyler			0.00		E-Line	no longer recording	John Martin
6121110	Tyler	5/11/2017	-6.20	0.33	-5.87	E-Line		John Martin
6129203	Tyler	5/11/2017	-19.90	3.00	-16.90	E-Line		John Martin
6130419	Tyler	5/11/2017	-10.75	3.50	-7.25	E-Line		John Martin
3659102	Newton	5/4/2017	-94.85	2.33	-92.52	E-Line		John Martin
6202902	Newton	5/5/2017	-8.70	1.00	-7.70	E-Line		John Martin
6203204	Newton	5/5/2017	-69.42	1.50	-67.92	E-Line		John Martin
6203301	Newton	5/5/2017	-40.95	2.33	-38.62	E-Line	New MP	John Martin
6203704	Newton	5/5/2017	-174.33	1.30	-173.03	E-Line		John Martin
6210309	Newton	5/5/2017	-67.75	2.50	-65.25	E-Line		John Martin
6210901	Newton	5/12/2017	-16.78	0.50	-16.28	E-Line		John Martin
6218103	Newton	5/12/2017	-35.40	1.25	-34.15	E-Line		John Martin
6242909	Newton	4/21/2017	-39.05	2.35	-36.70	E-Line		John Martin
6243406	Newton	4/21/2017	-27.20	1.80	-25.40	E-Line		John Martin
6250304	Newton	4/21/2017	-37.10	1.00	-36.10	E-Line	Pump off 10 minutes	John Martin

DFC/STATIC WATER LEVEL SUMMARY - 2009 TO 2017

BASED ON SPRING 2017 WATER LEVEL READING

Hardin County			Jasper County		
60 Year DFC Drawdown		Ft. of Drawdown	60 Year DFC Drawdown		Ft. of Drawdown
	Chicot Aquifer	21		Chicot Aquifer	23
	Evangeline Aquifer	27		Evangeline Aquifer	41
	Jasper Aquifer	89		Jasper Aquifer	40
1 Year Average DFC Drawdown		Ft. of Drawdown	1 Year Average DFC Drawdown		Ft. of Drawdown
	Chicot Aquifer	0.35		Chicot Aquifer	0.38
	Evangeline Aquifer	0.45		Evangeline Aquifer	0.68
	Jasper Aquifer	1.48		Jasper Aquifer	0.66
8 Year Average DFC Drawdown		Ft. of Drawdown	8 Year Average DFC Drawdown		Ft. of Drawdown
	Chicot Aquifer	2.8		Chicot Aquifer	3.04
	Evangeline Aquifer	3.6		Evangeline Aquifer	5.44
	Jasper Aquifer	11.84		Jasper Aquifer	5.28
Actual Average Drawdown/Rise 2009 - 2017		Ft. of Drawdown	Actual Average Drawdown/Rise 2009 - 2017		Ft. of Drawdown
	Chicot Aquifer (4)	+2.42		Chicot Aquifer (8)	+1.64
	Evangeline Aquifer (1)	+14.93*		Evangeline Aquifer (5)	-1.39
	Jasper Aquifer	No Data Available		Jasper Aquifer (6)	+5.81

* Evangeline is not an average / only 1 well

	A	B	C	D	E	F	G
3		BASED ON SPRING 2017 WATER LEVEL READING					
4							
37							
38							
39	Newton County				Tyler County		
40							
41	60 Year DFC				60 Year DFC		
42	Drawdown		Ft. of Drawdown		Drawdown		Ft. of Drawdown
43		Chicot Aquifer	35			Chicot Aquifer	42
44		Evangeline Aquifer	45			Evangeline Aquifer	35
45		Jasper Aquifer	37			Jasper Aquifer	62
46							
47	1 Year Average DFC				1 Year Average DFC		
48	Drawdown		Ft. of Drawdown		Drawdown		Ft. of Drawdown
49		Chicot Aquifer	0.58			Chicot Aquifer	0.7
50		Evangeline Aquifer	0.75			Evangeline Aquifer	0.58
51		Jasper Aquifer	0.61			Jasper Aquifer	1.03
52							
53	8 Year Average DFC				8 Year Average DFC		
54	Drawdown		Ft. of Drawdown		Drawdown		Ft. of Drawdown
55		Chicot Aquifer	4.64			Chicot Aquifer	5.6
56		Evangeline Aquifer	6			Evangeline Aquifer	4.64
57		Jasper Aquifer	4.88			Jasper Aquifer	8.24
58							
59							
60	Actual Average				Actual Average		
61	Drawdown/Rise				Drawdown/Rise		
62	2009 - 2017		Ft. of Drawdown		2009 - 2017		Ft. of Drawdown
63		Chicot Aquifer (4)	+1.61			Chicot Aquifer (4)	-0.51
64		Evangeline Aquifer (3)	+0.99			Evangeline Aquifer	No Data Available
65		Jasper Aquifer (4)	+1.86			Jasper Aquifer (4)	+2.28

Volume 10, Issue 1 SOUTHEAST TEXAS GROUNDWATER CONSERVATION DISTRICT

Summer 2017

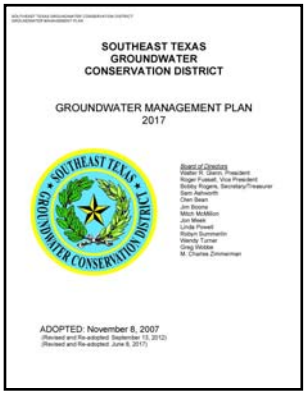
The SETGCD Well Monitor

The SETGCD Board of Directors Re-adopts Management Plan

Early in 2017, the District began the process of reviewing, revising and re-adopting its Management Plan ("Plan"). In June, after a lengthy process which included several revisions, draft submittals, and a public hearing held on June 8th, the District's Board of Directors voted to approve the revisions and re-adopt the Plan. The final step of the nearly completed process is a review of the Plan by the Texas Water Development Board, confirming that the Plan meets all legal requirements spelled out in Chapter 36 of the Texas Water Code.

There are two documents that are integral to the operations of every groundwater conservation district. First, is the district's rules. District rules address such things as: the classification of the different types of water wells; how they may be required to be registered or permitted; technical definitions; fees; and enforcement of the rules.

The second document is the district's management plan. Chapter 36 of the Texas Water Code requires


SOUTHEAST TEXAS
GROUNDWATER
CONSERVATION DISTRICT

GROUNDWATER MANAGEMENT PLAN
2017

ADOPTED: November 8, 2007

(Continued on page 3 Mgt. Plan)

The 85th Texas Legislative Session

The 85th Regular Legislative Session has come and gone; and in fine Texas fashion, ended with some fireworks. Although not considered a "water session", over 40 bills directly related to groundwater were filed for consideration. Some of these bills had the potential to impact how groundwater is managed in a game-changing manner. Other bills were more reasonable, such as modifications to Chapter 36 of the Texas Water Code to provide more surety and protection to landowners.

Although many of the bills showed few signs of movement, some of them not only moved, but were passed by both House and Senate only to be vetoed by Governor Abbott. The Governor vetoed fifty bills this session, four of which were groundwater related, and two of those were sponsored by Representative Larson. Several groundwater bills sponsored by Senator Perry, including an omnibus bill (SB 1392), stalled and did not make it though both the House and Senate in the *(Continued on page 2 - Legislative Session)*

Board of Directors:

Walter Glenn, President
Roger Fussell, Vice Pres.—Hardin
Bobby Rogers, Treasurer—Hardin
Sam Ashworth, Director—Hardin
Mitch McMillon, Director—Jasper
Wendy Turner, Director—Jasper
Linda Powell, Director—Jasper
Olen Bean, Director—Newton
Greg Wobbe, Director—Newton
John Meek, Director—Newton
Robyn Summerlin, Director—Tyler
M. C. Zimmerman, Director—Tyler
Jim Boone, Director—Tyler

John Martin, General Manager
John Stover, Esq., Counsel

DID YOU KNOW?

It is estimated that it takes approximately 6,800 gallons of water to produce 1 day's worth of food for a family of four.

Inside this issue:

85th Leg. Session – Bills Continued	2
District News–Mgt. Plan Re-Adopted Continued	3
Static Water Level Info	4
Static Water Level Data	5
Drought Conditions	6
Conservation Corner	7

Continued from page 1–Legislative Session

required time frame. One of the "game-changing" bills mentioned earlier was **HB 2038**. This bill would have required the use of correlative rights by all groundwater districts for permitting issues. Although dubbed the "Fair Share" bill, it would have required all groundwater users to own a correlating amount of surface acres for each acre foot of water used. Fortunately, it was realized early on that this bill would have had far too many significant impacts on existing groundwater users, including the creation of a groundwater rights market that would have had the potential to drive up the cost of water significantly.

Another bill that failed that would have made several significant changes to Chapter 36 was **SB 1392**. This was the omnibus bill sponsored by Senator Perry. Two of the more significant changes this bill would have brought on were that it would have required groundwater conservation districts ("GCDs") to adopt similar/common rules. In its initial draft it specified "common rules" and was changed in a subsequent version to "similar rules". On the surface that sounds like a good thing, but what it didn't take into consideration was the fact that some GCDs have to regulate much more strictly due to their specific situations. If this bill had passed the Southeast Texas GCD may have been required to adopt rules similar to the Lone Star GCD's rules which are much more restrictive and complex due to the fact that they sit just north of the subsidence district and are one of the fastest growing counties in the nation. We, on the other hand, have a very stable population, significant annual rainfall, and the two largest surface reservoirs in the state within our District. It would only serve to make our rules more complex for little to no reason.

The other significant change that this bill may have made was to the rights of historical users. One iteration of the bill would have removed the ability of a GCD to issue permits based on historical use. In other words, it would have essentially cancelled all operating permits issued by the District to entities that were grandfathered into the system.

Another failed bill sponsored by Senator Perry was **SB 862**. This bill would have allowed the prevailing party in any lawsuit to which a district is a party, to recover the legal fees that it expended. Currently, only a GCD can recover its legal fees. This appears to level the playing field, but on closer inspection it has the potential to handicap GCDs by forcing them to manage in a way that is based first to protect themselves financially. Additionally, no other regulatory agency in the state is required to provide for their own defense. This is handled by the State Attorney General's Office. This came about due to a compromise in 1995 during the codification of Chapter 36. The AG's office added a significant fiscal note to the bill which was seen as too costly. The compromise was that GCDs defend themselves with the ability to recover legal fees (only in situations they prevail) and not allow legal fees to be recovered by the opposition. One must keep in mind that the average GCD has a budget of only $300,000 (the Southeast Texas GCD's budget is half that) and must be very careful with its funding. A prolonged legal battle could easily bankrupt a district and leave it vulnerable.

SB 1009, sponsored by Senator Perry, passed making clarifications to Chapter 36 regarding the items a GCD can require an entity to provide in an application for a new non-exempt well. This is a very good bill for the landowner in that it will give them surety in what will be required when applying. It will prevent a GCD from holding up an application for "additional information" that isn't specifically listed in their rules. Additional information may be requested but not required in determining if an application is administratively complete.

[Answer to trivia question on bottom of page 3]

The list of places/facilities are the 47 different desalinization plants throughout Texas. These desalinization plants vary in size from producing only 25,000 gallons of water per day to as much as 27 million gallons per day. Interestingly, some of these plants utilize sea water and others rely on brackish groundwater. For more info. see the Texas Water Development Board's desal pages: http://www.twdb.texas.gov/innovativewater/desal/

District News—Management Plan Re-Adopted

Continued from page 1 — Mgt. Plan

the management plan be reviewed, revised if necessary, and readopted no less than once every five years. A management plan includes valuable information about the District, as well as specific requirements and goals that the District must meet each year. Some of the information that can be found in the Plan is:

- A description of the district
- The purpose of the district
- Groundwater resources of the district / Groundwater Availability Models (GAMs)
- Desired Future Conditions (DFCs)
- Goals, performance standards, and objectives

Each district will customize this document to meet the needs of that particular district. The genius of groundwater conservation districts is the local stakeholder aspect, which allows the people of that district to create a plan around the local resource, taking into consideration specific situations that apply to that district. Chapter 36 of the Texas Water Code (Chapter 36) requires that a district have this management plan in place within 3 years of the creation of the district. As mentioned earlier, a district is required to update the plan no less than once every five years; however, should a situation arise that needs immediate attention, a District can revise and re-adopt its plan as needed. This allows for growth and flexibility, as well as taking in to account the fact that the legislature occasionally passes new requirements that must be incorporated in the Plan.

Since its inception, the Plan has seen only minor changes overall except for the inclusion of the Desired Future Conditions, which were first added to the 2012 revision. Most of the changes to the Plan this cycle are clarifications, a revised GAM Run, an updated historical use data report, and the updated DFCs. The Board also considered all of the current goals and performance standards set out in the Plan and made only minor changes to this section of the Plan.

Once the Plan was re-adopted, the District coordinated with all surface water management entities within the District as required by Chapter 36 and provided the re-adopted Plan to the TWDB for approval and certification of administrative completeness.

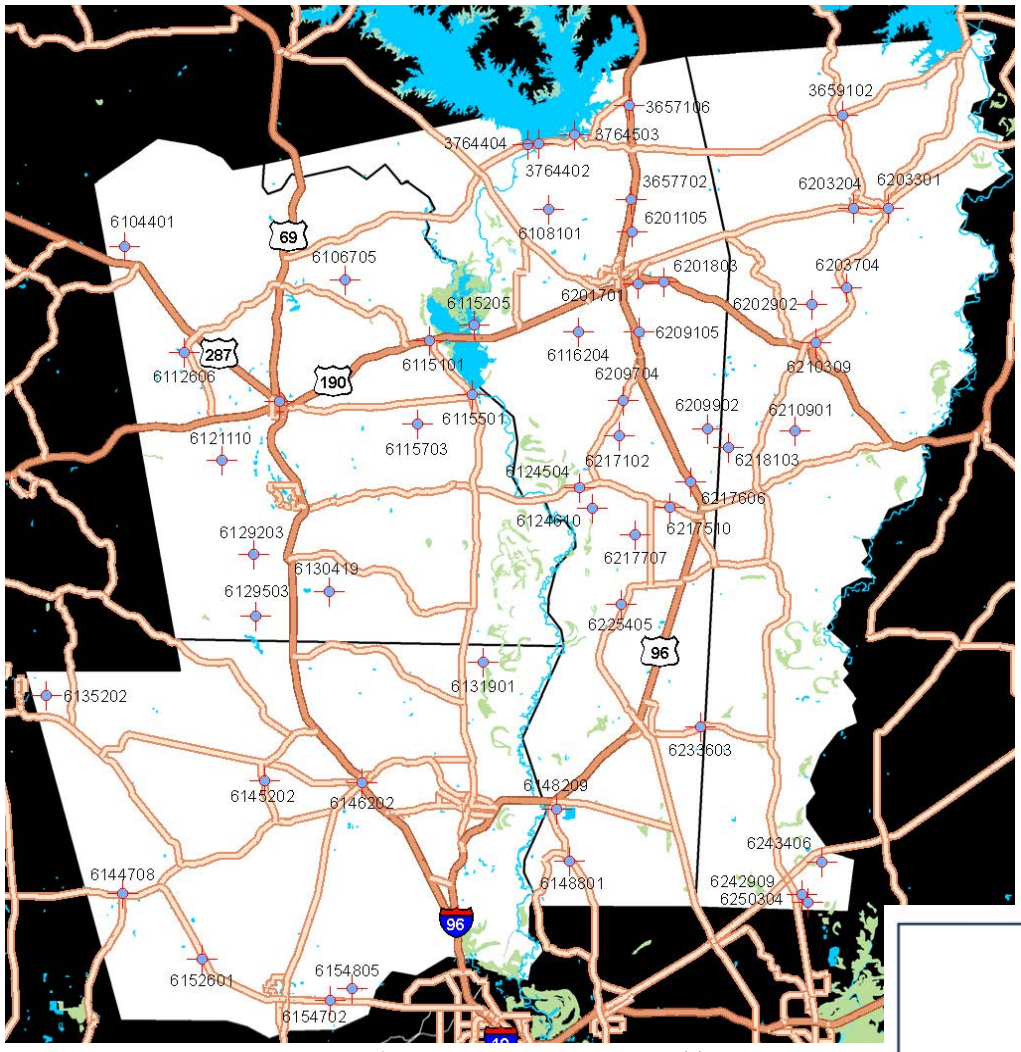
The Management Plan can be viewed on the District's website at www.setgcd.org, on the Rules page.

Don't forget, one way to help us manage the Gulf Coast Aquifer and protect your older existing water well is to make sure it is registered with the District and in our database. Exempt wells drilled before 2005 are not required to be registered; however, any time a permit is requested for a new non-exempt well (typically commercial use) for any significant amount of water, and which is located within 1/4 mile or 1/2 mile of your well (depending on factors related to use), you are notified of the their request and your input is considered in the permitting process because of your existing well. If we do not know where your well is located, you could miss out.

What do all of the following locations have in common?

Big Bend Motor Inn - Bob Elder Water Treatment - Brazos Regional Public Utility Agency - City of Abilene Hargesheimer Treatment Plant City of Bardwell - City of Bayside - City of Becksville - City of Brady - City of Clarksville City - City of Evant - City of Fort Stockton - City of Granbury - City of Hubbard - City of Kenedy - City of Los Ybanez - City of Robinson - City of Sea Drift - City of Seymour - City of Sherman - City of Tatum - Cypress Water Treatment - Dell City - DS Water of America - Fort Hancock - H2OAKs Center - Holiday Beach - Horizon Regional MUD - Kay Baily Hutchison DSP - Longhorn Ranch Motel - Midland Country Club - Mitchell County DS - North Alamo WSC (Willacy) - North Alamo WSC (Hidalgo) - North Cameron - Oak Trail Shores - Possum Kingdom WSC - Raw Water Production (Big Spring) - River Oaks Ranch - Southmost RWA - Sportsman World MUD - Study Butte Terlingua WS - The Cliffs (Palo Alto) - Valley MUD #2 - Veolia Water Treatment - Victoria Road ROP - Water Runner (Midland) [see bottom of page 2 for answer]

Static Water Level Observation Well Locations & State ID No.



What Is A Static Water Level?

The static water level is the distance from the surface of the ground down to the water table when the well is not being pumped. This is also sometimes called a "resting" water level.

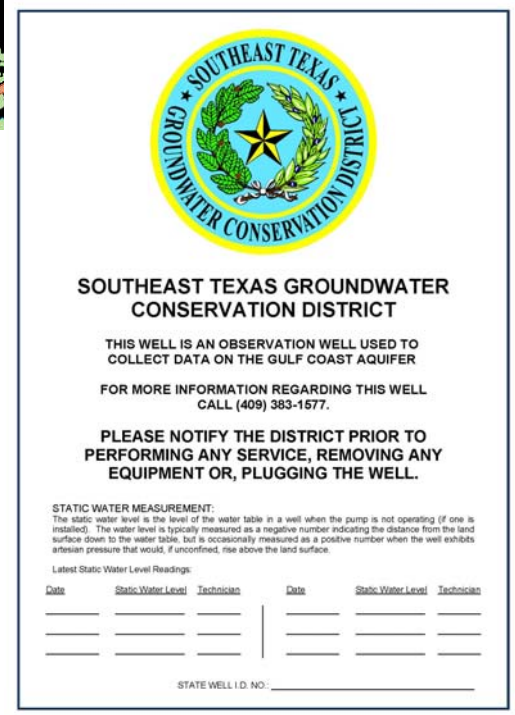
For example, a static water level reading of –25 feet simply means that the distance from the ground down to the water table is 25 feet.

By taking regular readings of the static water level we can see trends such as rises (due to extra recharge) or declines (due to droughts) and utilize that data.

New District Observation Well Signs

Keep your eyes peeled and you may notice one of the District's new observation well signs. Last year the Southeast Texas Groundwater Conservation District Board of Directors approved funds for the purchase and installation of these signs to identify them as wells that are in the District Observation Program. Nearly 50 of them have been installed throughout Jasper, Newton, Hardin, and Tyler Counties.

Many of the District observation wells are in very rural locations, not in use, and are often low to the ground and easy to overlook. The new signs will help the landowners on whose property these wells are located to keep track of them and protect them from accidental damage.

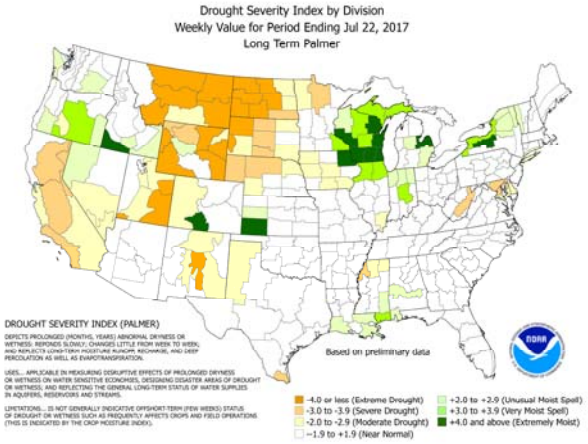


state_well	County	aquifer_co	DFC	date_drill	well_depth	2000	Fall_2011	Spr_2015	Spr_2016	Spr_2017
6144708	Hardin	112CHCT	21	1957	72	-28.83	-28.5	-28.65	-26.70	-26.90
6152601	Hardin	121EVGL	27	1948	764	-37.26	-2.15	-11.94	-13.07	-14.74
6154702	Hardin	112CHCT	21	1951	1027	-32.45	-31.16	-29.84	-28.62	-28.22
6131901	Hardin	112CHCT	21	1940	53	-43.03	-44.17	-14.65	-3.62	-2.30
3657106	Jasper	122CTHL	N/A	1938	20	-8.81	-10.93	-3.33	-2.22	-6.02
3657702	Jasper	122JSPR	40	1994	378	-118.17	-120.86	-118.47	-115.88	-116.43
3764402	Jasper	122CTHL	N/A	1962	300	-116.15	-118.9	-108.20	-107.98	-110.95
3764404	Jasper	122CTHL	N/A	1982	260	-56.1	-56.36	-45.03	-45.15	-48.84
3764503	Jasper	122CTHL	N/A	1981	260	-38.9	-44.84	-26.48	-27.42	-31.07
6108101	Jasper	122LOKV	40	1958	47	-42.6	-47.00	-37.72	-36.50	-40.40
6115205	Jasper	122LOKV	40	1984	442	39.96	39.96	37.65	42.27	41.70
6116204	Jasper	122JSPR	40	1965	220	-52.12	-55.23	-51.92	-50.96	-51.90
6124504	Jasper	122JSPR	40	1940	60	-31.5	-60.00	-60.00	0.00	0.00
6148221	Jasper	121GOLD	41	1947	671	-217.62	-177.79	-184.93	-193.95	-187.44
6148209	Jasper	112LISS	23	pre 1956	1295	-35.23	-35.4	-28.06	-27.68	-29.65
6148801	Jasper	121GOLD	41	1903	1084		-14.3	-8.40	-7.15	-8.32
6201701	Jasper	122LOKV	40	1963	1004	-80.23	-86.8	-78.32	-88.10	-75.70
6201803	Jasper	122JSPR	40	1995	884	-87.05	-88.5	-84.60	-83.20	-83.20
6209105	Jasper	121EVGL	41	1967	15	-2.05	-5.92	-1.90	-4.22	-2.58
6209704	Jasper	121EVGL	41	1952	40		-40.00	-34.45	-30.60	-33.80
6209902	Jasper	112CHCT	23	pre 1997	40		-25.7	-19.68	-10.37	-16.70
6217102	Jasper	112CHCT	23	1950	80		-80.00	-80.00	-53.58	-55.50
6217510	Jasper	112CHCT	23	pre 1997	140	-21	-23.76	-16.40	-14.22	-16.25
6217606	Jasper	112CHCT	23	1964	70	-2.05	-13.7	-1.64	-2.74	-1.80
6217707	Jasper	112CHCT	23	1950	28	-16.66	-18.5	-3.17	-4.27	-4.65
6225405	Jasper	112CHCT	23	1983	120	-61.5	-63.5	-59.92	-56.17	-58.03
6233603	Jasper	112CHCT	23	1940	18	-10.6	-16.06	-10.67	-8.90	-8.07
6202902	Newton	121EVGL	45	pre 1999	24		-18.85	-9.22	-5.18	-7.70
6203204	Newton	122JSPR	37	1979	645	-67.15	-70.85	-70.32	-67.65	-67.92
6203301	Newton	122JSPR	37	1964	1050	-40.5	-41.65	-39.30	-38.65	-38.62
6203704	Newton	122JSPR	37	1989	640	-171.66	-175.85	-174.27	-173.52	-173.03
6210309	Newton	122JSPR	37	1964	1218	-63.85	-67.9	-64.79	-65.38	-65.25
6210901	Newton	121EVGL	45	1951	300	-19.37	-21.37	-16.44	-14.55	-16.28
6218103	Newton	121EVGL	45	1980	208		-42.5	-34.42	-33.64	-34.15
6242909	Newton	112CHCT	35	1981	590	-41.59	-39.78	-37.05	-36.30	-37.15
6243406	Newton	112CHCT	35	1981	598	-29.7	-28.55	-25.60	-25.20	-25.40
6250304	Newton	112CHCT	35	1983	420	-38.6	-39.27	-37.56	-36.38	-36.10
6104401	Tyler	122CTHL	N/A	1935	860	-161.77	-166.07	-166.35	-165.40	-165.20
6112606	Tyler	122JSPR	62	1960	250	-122.65	-124.73			-124.20
6113802	Tyler	122JSPR	62	1951	582	-163.27	-166.7	-165.32	-164.82	-164.20
6115101	Tyler	122JSPR	62	1964	68	-33.55	-34.46	-33.70	-32.73	-32.85
6115501	Tyler	122JSPR	62	1948	384	-114.95	-117.2	-115.25	0.00	0.00
6115703	Tyler	112CHCT	42	1955	23	-15.88	-20.09	-2.00	-4.79	0.00
6121110	Tyler	112CHCT	42	pre 1971	18	-9.74	0.00	-2.80	-2.72	-5.87
6129203	Tyler	112CHCT	42	pre 1953	30	-26.25	-28.54	-14.42	-14.20	-16.90
6130419	Tyler	112CHCT	42	pre 1965	22	-16.88	-18.15	-2.55	-3.88	-7.25
6124610	Jasper	121EVGL	41	1998	200		-35.91	-32.44	-28.09	-31.29
3659102	Newton	112CHCT	35	2000	170		-104.37	-106.23	-93.37	-92.52
6145202	Hardin	112CHCT	21	2009	220		-16.53	-6.71	-5.44	-7.65
6106705	Tyler	122JSPR	62	1984	288		-149.5	-146.28	-146.65	-145.33
6154805	Hardin	112CHCT	21	1998	618			-36.24	-33.15	-34.03

DROUGHT CONDITIONS

As you can see from the July 22, 2017 U.S. Palmer Drought Severity Index, most of Texas, including the Southeast Texas Groundwater Conservation District, is "Near Normal". A portion of the Panhandle and the very southern tip of Texas are beginning to show some signs of drought conditions.

The NOAA rainfall totals of the past 12 months are somewhat suspect. In most areas of the District we have experienced average to above average rainfall totals; however, the precipitation totals being reported from the NOAA stations aren't necessarily saying the same thing.

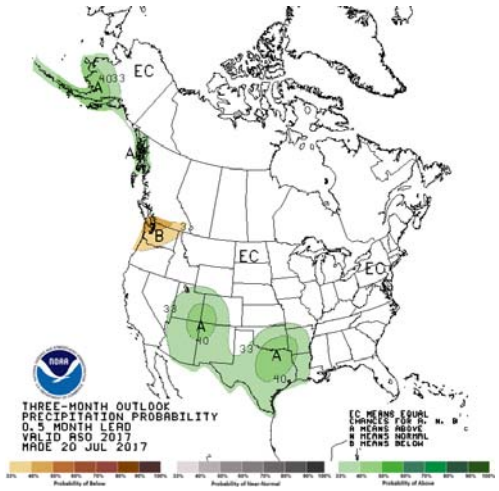


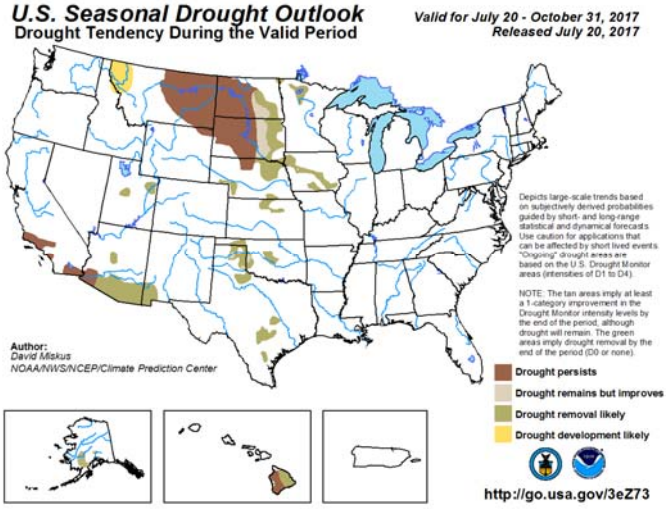
2016/2017 RAINFALL TOTALS

	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June.	Total
Jasper	0.66	7.71	0.96	0.31	2.37	4.97	8.10	2.11	6.20	4.26	10.57	3.02	51.24
Lumberton	3.93	11.57	3.98	1.06	4.02	8.65	6.78	1.80	5.73	5.97	4.92	5.96	64.37
Toledo Bend	1.80	7.14	2.14	0.00	2.60	0.78	9.41	1.43	2.78	7.91	7.00	2.04	45.03
Silsbee	3.20	5.40	1.40	0.00	1.45	6.87	4.52	2.80	2.70	1.85	0.30	0.00	30.49
Woodville	3.09	8.37	0.73	0.32	1.77	4.31	4.43	2.55	4.78	3.75	10.48	4.00	48.58
Kountze	3.56	9.16	2.88	0.20	4.29	0.22	6.88	1.77	3.97	5.44	8.53	3.03	49.93

U.S. SEASONAL DROUGHT OUTLOOK

The U.S. Seasonal Drought Outlook, valid for July 20, 2017 – October 31, 2017, shows that we shouldn't have to worry about drought conditions through the early part of the fall season. This is backed up by the July 20, 2017 Three Month Precipitation Probability Outlook map which indicates that we have a chance of above normal precipitation for the next 90 days.





WATER CONSERVATION TIPS SUMMERTIME WATER SAVING

It's back! Summertime is here once again, and that means our water use is going to skyrocket. It is estimated that during the summer we use between two and four times as much water as we do the rest of the year. Overall, depending on where you live and how much watering you do, 30—70 percent of all the water we use at home is used outdoors. The best way to be sure you aren't wasting water is to follow some simple guidelines. If you don't, you may be wasting up to 50 percent of the water you are using due to inefficient watering methods. Keep these tips in mind when using water outdoors:

- Don't water your lawn or garden at the wrong time of the day. During the hottest part of the day you can lose a significant amount of the water you are applying to evaporation.
- Water the lawn only when it needs it. Most lawns only need one inch of water each week. Pay attention to the weather and keep a rain gauge in the yard to help monitor how much water you are getting. One way to tell if your lawn needs water is to step on the grass and see if it springs back. If it does you needn't worry about watering. Also, let the grass grow a little. By letting it grow longer it will shade the ground and roots and slow the evaporation rate.
- In the garden, be sure to utilize mulch around your vegetable plants. A good layer of ground cover will allow the water to seep deeper into the soil and reduce loss due to evaporation.
- Pools are very susceptible to evaporation, up to an inch and a half per day. It's not uncommon to have to add 2,000 gallons a month to a pool due to evaporation. The use of a pool cover can reduce evaporation by as much as 90 percent.

Another way to conserve water and reduce your water bill is to install a rain collection system and/or a drip irrigation system. These two systems alone or in tandem can save you thousands of gallons of water. Both of these two options can be kept simple or made as high tech and complex as you would like.

There are a variety of ways to collect rainwater from the roof of your home or barn to use at a later date when you need it to water ornamentals or vegetables. The simplest way to get started with a rainwater collection system is to simply put a cleaned barrel that has a spigot located near or on the bottom of the barrel (if on the bottom barrel must be raised) under a gutter downspout. You will collect approximately 0.6 gallons of water per square foot of roof surface. Keep just one barrel near your flower bed and when it gets dry out, you will be ready to go.

With a drip irrigation system you will be able to apply a very specific amount of water to each plant individually when you water. You can purchase a basic all inclusive set-up at your local home improvement store for $50—$75. The starter kits typically come with a variety of components and between 50—100 feet of tubing to get you started

- Never waste water by "sweeping" the drive with the hose. A flowing hose can easily waste 10 gallons of water per minute.
- When washing your vehicles be sure the hose has a nozzle on it. No sense letting 10 gallons a minute flow down the driveway. Also, if you wash the vehicle on your lawn it's like instant recycling. Your vehicle gets clean and the lawn gets some water.

Water wisely – every drop you save counts!

Conservation Corner

Southeast Texas Groundwater Conservation District

P.O. Box 1407, Jasper, TX 75951

(409) 383-1577, www.setgcd.org

«Contact First» «Contact Last»
«Water System»
«Street»
«City», «State» «ZIP»

The average person will exhale a little more than 1 cup of water per day (over 8 ounces). Additionally, babies in their first six months of life consume seven times as much water per pound than the average American adult.

WATER IQ
Know your water.

CALENDAR OF EVENTS

August 10, 2017	SETGCD — No Regular Meeting
Sept. 4, 2017	Labor Day — District office closed
Sept. 14, 2017	SETGCD — Regular meeting of the Board, in Kirbyville, TX
Oct. 9, 2017	Columbus Day — District office closed
Oct. 12, 2017	SETGCD — Regular meeting of the Board, in Kirbyville, TX
Nov. 9, 2017	SETGCD — Regular meeting of the Board, in Kirbyville, TX
Nov. 23 & 24, 2017	Thanksgiving Break — District office closed
Dec. 14, 2017	SETGCD — No Regular Meeting
Dec. 25 & 26, 2017	Christmas Break — District office closed
January 1, 2018	New Years Day—District office closed

WATER FACTS

- To make 1 pint of beer it takes 20 gallons of water.
- The average cost of water supplied to U.S. homes is $2.00 per 1,000 gallons, or five gallons per penny.
- The U.S. draws more than 40 billion gallons per day from the Great Lakes (half of which is used to create electricity).
- Approximately 400 billion gallons of water are used in the U.S. every day.
- A pocket of water found at the bottom of an Ontario, Canada mine is estimated to be 2.6 BILLION years old (which pre-dates the oldest known multi cellular life on Earth).

District Permit Holders

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	A	B	C	D	E	G	H
1	Water System	Street	City	State	ZIP	Contact First	Contact Last
2							
3	Oilfield Waste Solutions, LLC.	330 Main Street, Suite #3	Sealy	TX	77474	Chris	Carroll
4	Angelina and Neches River Authority	P.O. Box 387	Lufkin	TX	75902	Chris	Key
5	Artesian Springs	2518 CR 2016	Newton	TX	75966	Brian	Carroll
6	Batson Lumber Co.	P.O. Box 444	Batson	TX	77519	Ryan	Leloux
7	Bon Wier W.S.C.	P.O. Box 167	Bon Wier	TX	75928	Jim	DuBose
8	Brookeland Fresh Water Supply District	P.O. Box 5350	Jasper	TX	75951	Joshua	Culbert
9	Buck Springs Bottled Water Co.	4829 US Hwy. 96 N.	Jasper	TX	75951	Todd	Shellhammer
10	Bullock's Mobile Home Park	P.O. Box 533	Silsbee	TX	77656	Dorris	Bullock
11	Burkeville W.S.C.	P.O. Box 220	Burkeville	TX	75932	Linda	Hougesen
12	Cartwright Springs, LTD	P.O. Box C	Terrell	TX	75160	Robert	Rodgers
13	Chester W.S.C.	P.O. Box 87	Chester	TX	75936	Dale	Clamon
14	City of Beaumont	P.O. Box 3827	Beaumont	TX	77704	Joseph	Majdalani
15	City of Browndell	P.O. Box 430	Brookeland	TX	75931	Rena	Brooks
16	City of Colmesneil	P.O. Box 144	Colmesneil	TX	75938	Keith	Barnes
17	City of Jasper	P.O. Box 610	Jasper	TX	75951	Eric	Rogers
18	City of Kirbyville	107 S. Elizabeth	Kirbyville	TX	75956	Michael	Branch
19	City of Kountze	P.O. Box 188	Kountze	TX	77635	Tim	Drake
20	City of Newton	101 North Street	Newton	TX	75966	Jon	Meek
21	City of Silsbee	580 N. 6th Street	Silsbee	TX	77656	Russell	Hutto
22	City of Sour Lake	625 Hwy. 105 West	Sour Lake	TX	77659	Joey	Keel
23	City of Woodville	400 West Bluff	Woodville	TX	75979	Charles	Maclin
24	Craig Worsley	379 CR 4500	Hillister	TX	77624	Dr. Craig	Worsley
25	Cougar Country W.S.C	P.O. Box 23	Buna	TX	77612	Edna	Humble
26	Crown Pine Timber 1, L.P.	229 North Bowie	Jasper	TX	75951	John	Hamilton
27	Cypress Creek W.S.C.	P.O. Box 536	Woodville	TX	75979	Elmer	May
28	Doucette Water System	P.O. Box 697	Doucette	TX	75942	Charles	Branch
29	East Newton W.S.C.	P.O. Box 956	Newton	TX	75966	Michael	Horn
30	Early Childhood Development Center	P.O. Box 406	Sour Lake	TX	77659	Stephen	Gieseke
31	East Texas Electric Cooperative, Inc	P.O. Box 631623	Nacogdoches	TX	75963	Edd	Hargett
32	East Texas Electric Cooperative, Inc	2101 Pelican Rd.	Shepherd	TX	77371	Tracy	Dreymala
33	Evadale W.C. & I.D. #1	P.O. Box 149	Evadale	TX	77615	Kenny	Gibson
34	ExxonMobil Oil Corporation	800 Bell Street, PL-EMB-5771	Houston	TX	77002	Daniel	Henderson
35	Mike Bruce	2364 FM 105, Evadale Raceway	Evadale	TX	77615		
36	Hardin County W.C. & I.D. #1	101 PineGarden Lane	Sour Lake	TX	77659	Wayne	Turk
37	Harrisburg WSC	514 CR 232	Jasper	TX	75951	John	Cole
38	Harrisburg WSC	P.O. Box 1324	Jasper	TX	75951	Johhny	Broughton

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	A	B	C	D	E	G	H
39	H & H Timber Comapany, Inc.	P.O. Box Drawer 1696	Newton	TX	75966	Ronald	Hughes
40	Holly-Huff W.S.C.	P.O. Box 1917	Jasper	TX	75951	Johnny	Bradshaw
41	Holly-Huff W.S.C.	231 CR 292	Jasper	TX	75951	Mark	Bohac
42	Hydro Farms, Inc.	32507 Hwy. 105	Sour Lake	TX	77659	Andrew	Cure
43	Idylwild Golf Club, Inc	1100 E. Pineshadows D.	Sour Lake	TX	77659	Ronald	Pfleider
44	IESI Corporation	P.O. Box 1509	Kountze	TX	77625	Chancie	Bailey
45	Jamestown W.S.C.	P.O. Box 886	Jasper	TX	75951	Johnny	Bradshaw
46	Jamestown W.S.C.	9558 FM 1012	Weirgate	TX	75977	John	Ross
47	Jasper County W.C. & I.D. #1	P.O. Drawer 1207	Buna	TX	77612	Henry	Ogden
48	Kara Farms, LLC	1300 PR 5100	Woodville	TX	75979	Judy	Baggett
49	Lake Livingston W.S. & S.S.	P.O. Box 1149	Livingston	TX	77351	Boyd	McDaniel
50	Lakeside Water System	P.O. Box 697	Doucette	TX	75942	Charles	Branch
51	Leoffler Springs, Inc.	9653 FM 1005	Kirbyville	TX	75956	Linda	Taylor
52	Little Big Horn Services	8029 FM 92	Silsbee	TX	77656	Dolores	Luke
53	Louisiana-Pacific Corp	5110 U.S. Hwy 190 East	Jasper	TX	75951	Mike	Anderson
54	Lumberton M.U.D.	P.O. Box 8065	Lumberton	TX	77657	Roger	Fussell
55	MeadWestvaco	P.O. Box 816	Silsbee	TX	77656	Wendy	Turner
56	Monach Utilities	1620 Grand Avenue Pkwy., Ste 1	Pflugerville	TX	78660	Tim	Williford
57	Murphy Energy Services	19167 FM 787	Saratoga	TX	77585	Alan	Murphy
58	German Pellets Texas, LLC	164 CR 1040	Woodville	TX	75979	Bryan	Davis
59	North Hardin W.S.C.	P.O. Box 55	Silsbee	TX	77656	Bobby	Rogers
60	Paradise Entertainment, Inc.	P.O. Box 8006	Lumberton	TX	77657	Jack	Mossburg
61	Pine Meadow M.H.P.	P.O. Box 152817	Austin	TX	78715	Deborah	Bryant
62	Plains Exploration and Production, Co.	400 East Kaliste Saloom Rd., Ste	Laffayette	LA	70508	Jerome	Meaux
63	Pure Utilities, L.C.	207 W. Mill Street	Livingston	TX	77351	Stonewall	Jackson
64	Manfield Properties (Quail Valley Estates)	P.O. Box 2076	Silsbee	TX	77656	Charles	Adams, Jr.
65	Ranchland Property Owners Assoc.	P.O. Box 1248	Kountze	TX	77625	Sandy	Elms
66	Rayburn Country M.U.D.	P.O. Box 5309	Sam Rayburn	TX	75951	Linda	Powell
67	Runyan Rock	P.O. Box 68	Newton	TX	75966	Bric	Barrow
68	Rural W.S.C.	P.O. Box 832	Jasper	TX	75951	Bobby	Hadnot
69	Seneca W.S.C.	P.O. Box 27	Woodville	TX	75979	James	MacGinnis
70	Slash C. Sawmill	2531 Old Brookeland Rd.	Jasper	TX	75951	Carroll	Brian
71	Southern Forest Products	P.O. Box 207	Bon Wier	TX	75928	Vicki	Hall
72	South Hampton Resources, Inc.	P.O. Box 1636	Silsbee	TX	77656	Rick	Fetterolf
73	South Jasper County W.S.C.	P.O. Box 1939	Buna	TX	77612	Gaylon	Chesser
74	South Kirbyville Rural W.S.C.	P.O. Box 189	Call	TX	75933	Randy	Fussell
75	South Newton W.S.C.	P.O. Box 659	Deweyville	TX	77614	Brandy	Lane
76	South Sabine W.S.C.	807 Fairdale Rd.	Hemphill	TX	75948	R.J.	Wells
77	Steve Simpson	P.O. Box 570	Brookeland	TX	75931	Steve	Simpson

District Permit Holders

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	A	B	C	D	E	G	H
78	Tall Timbers W.S.C.	436 Tall Timbers	Burkeville	TX	75932	Jim	Hebert
79	Georgia-Pacific WF & S, LLC	303 S. Temple Drive	Diboll	TX	75941	Patrick	Miller
80	Terry Johnson	6343 Biscamp Road	Silsbee	TX	77656	Terry	Johnson
81	Texas Electric Cooperative, Inc.	2240 Bevil Loop	Jasper	TX	75951	Carlton	Penny
83	Timberline Nursery, Inc.	P.O. Box 96	Hillister	TX	77624	Sidney	Allison
84	Transcontinental Gas Pipe Line, LLC.	29979 Hwy 105	Sour Lake	TX	77659	Craig	Bonner
85	Tyler County W.S.C.	P.O Drawer 138	Spurger	TX	77660	Jerry	Lovelady
86	Umphrey Land & Cattle	P.O. Box 96	Hillister	TX	77624	Sidney	Allison
87	Upper Jasper County Water Authority	269 C.R. 080	Jasper	TX	75951	Shelley	Vaught
88	Warren W.S.C.	P.O. Box 95	Warren	TX	77664	Thomas	MacGinnis
89	Wapiti Energy, LLC	800 Gessner, Suite 1000	Houston	TX	77024	Charles	Nye
90	Water Necissities, Inc.	P.O. Box 62	Vidor	TX	77670	Kelley	Brewer
91	West Hardin W.S.C.	P.O. Box 286	Saratoga	TX	77585	Robert	Ryan
92	Westwood W.S.C.	317 Wildbriar Drive	Jasper	TX	75951	Becky	West
93	Wildwood Property Owners Assoc.	P.O. Box 903	Village Mills	TX	77663	Carla	McKee
94	Woodville Hardwoods	P.O. Box 2144	Woodville	TX	75979	Clint	Anthony
95	John Martin	P.O. Box 1407	Jasper	TX	75951	John	Martin
96							
97	Invalid email addresses that were mailed a hardcopy - Chris Key, ANRA / Josh Culbert - Brookeland FWSD / Sandy Elsm -Ranchland POA / Sidney Allison -						
98	Umphrey L&C / Shelley Vaught - Upper Jasper County W.A.						

District V.I.P.s

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	B	C	E	F	G	H	J	K	L
1	**First Name**	**Last Name**	**Courtesy Title**	**Position**	**Entity**	**Address 1**	**City**	**State**	**Zip**
2	Randy	Sayers	The Honorable	Mayor	City of Jasper	465 South Main	Jasper	TX	75951
3	Hazel	Johnson		Council Member	City of Jasper	465 South Main	Jasper	TX	75951
4	Raymond	Hopson		Mayor Pro-Tem	City of Jasper	465 South Main	Jasper	TX	75951
5	Tommy	Schofield		Council Member	City of Jasper	465 South Main	Jasper	TX	75951
6	Rashad	Lewis		Council Member	City of Jasper	465 South Main	Jasper	TX	75951
7	Mitch	McMillon		Council Member	City of Jasper	465 South Main	Jasper	TX	75951
8	Fred	Williams	The Honorable	Mayor	City of Kountze	P.O. Box 188	Kountze	TX	77625
9	Elaine	Allums	Ms.	Mayor Pro-Tem	City of Kountze	P.O. Box 188	Kountze	TX	77625
10	Natosha	Brown	Mr.	Councilman	City of Kountze	P.O. Box 188	Kountze	TX	77625
11	Lester	Williams	Mr.	Councilman	City of Kountze	P.O. Box 188	Kountze	TX	77625
12	Mary	Adams	Ms.	Councilman	City of Kountze	P.O. Box 188	Kountze	TX	77625
13	Glenn	Matthews	Mr.	Councilman	City of Kountze	P.O. Box 188	Kountze	TX	77625
14	Tim	Drake	Mr.	Public Works Director	City of Kountze	P.O. Box 188	Kountze	TX	77625
15	Rod	Hutto	Mr.	City Manager	City of Kountze	P.O. Box 188	Kountze	TX	77625
16	Don	Surratt	The Honorable	Mayor	City of Lumberton	836 N. Main	Lumberton	TX	77657
17	Lynette	Barks	Ms.	Councilman	City of Lumberton	836 N. Main	Lumberton	TX	77657
18	Kenneth	Wahl	Mr.	Councilman	City of Lumberton	836 N. Main	Lumberton	TX	77657
19	Steve	Templeton	Mr.	Councilman	City of Lumberton	836 N. Main	Lumberton	TX	77657
20	Sharon	Spears	Ms.	Mayor Pro-Tem	City of Lumberton	836 N. Main	Lumberton	TX	77657
21	David	Maniscalco	Mr.	Councilman	City of Lumberton	836 N. Main	Lumberton	TX	77657
22	Dan	Bell	Mr.	Councilman	City of Lumberton	836 N. Main	Lumberton	TX	77657
23	Steve	Clark	Mr.	City Manager	City of Lumberton	836 N. Main	Lumberton	TX	77657
24	Mark	Whiteley	Mr.	City Engineer	City of Lumberton	836 N. Main	Lumberton	TX	77657
25	Martin	Nash	Mr.	Commissioner	Tyler County Commis	300 W. Bluff	Woodville	TX	75979
26	Rusty	Hughes	Mr.	Commissioner	Tyler County Commis	300 W. Bluff	Woodville	TX	75979
27	Mike	Marshall	Mr.	Commissioner	Tyler County Commis	300 W. Bluff	Woodville	TX	75979
28	Jack	Walston	Mr.	Commissioner	Tyler County Commis	300 W. Bluff	Woodville	TX	75979
29	Jacques	Blanchette	The Honorable	County Judge	Tyler County	100 W. Bluff St., Room 102	Woodville	TX	75979
30	Mark	Allen	The Honorable	County Judge	Jasper County	121 N. Austin, Room 106	Jasper	TX	75951
31	Charles	Shofner, Jr.	Mr.	Commissioner	Jasper County Comm	146 C.R. 80	Jasper	TX	75951
32	Roy	Parker	Mr.	Commissioner	Jasper County Comm	1867 FM 777	Jasper	TX	75951
33	Willie	Stark	Mr.	Commissioner	Jasper County Comm	P.O. Box 526	Kirbyville	TX	75956
34	Vance	Moss	Mr.	Commissioner	Jasper County Comm	P.O. Box 597	Evadale	TX	77615
35	Paul	Price	The Honorable	County Judge	Newton County	109 Court Street	Newton	TX	75966
36	William	Fuller	Mr.	Commissioner	Newton County Comn	129 C.R. 3073	Kirbyville	TX	75956

District V.I.P.s

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	B	C	E	F	G	H	J	K	L
37	Thomas	Gill	Mr.	Commissioner	Newton County Comn	210 C.R. 2094	Wiergate	TX	75977
38	Gary	Fomby	Mr.	Commissioner	Newton County Comn	P.O. Box 188	Burkeville	TX	75932
39	Wesley	Thompson	Mr.	Commissioner	Newton County Comn	P.O. Box 1205	Deweyville	TX	77614
40	Wayne	McDaniel	The Honorable	County Judge	Hardin County	300 Monroe Street	Kountze	TX	77625
41	L. W.	Cooper, Jr.	Mr.	Commissioner	Hardin County Comm	P.O. Box 1757	Silsbee	TX	77656
42	Chris	Kirkendall	Mr.	Commissioner	Hardin County Comm	P.O. Box 1436	Kountze	TX	77625
43	Ken	Pelt	Mr.	Commissioner	Hardin County Comm	P.O. Box 550	Sour Lake	TX	77659
44	Alvin	Roberts	Mr.	Commissioner	Hardin County Comm	P.O. Box 8166	Lumberton	TX	77657
45	Russ	Nalley	The Honorable	Mayor	City of Woodville	P.O. Box 2197	Woodville	TX	75979
46	Byron	Stowe	Mr.	Alderman	City of Woodville	400 North Nellius	Woodville	TX	75979
47	Mandy	Risinger	Ms.	City Administrator	City of Woodville	400 West Bluff	Woodville	TX	75979
48	Joyce	Wilson	Ms.	Mayor Pro-Tem	City of Woodville	400 West Bluff	Woodville	TX	75979
49	Amy	Bythewood	Ms.	Alderman	City of Woodville	400 West Bluff	Woodville	TX	75979
50	Janice	Weatherford	Ms.	Alderman	City of Woodville	400 West Bluff	Woodville	TX	75979
51	Lee	Mann	Mr.	Alderman	City of Woodville	408 W. Bluff	Woodville	TX	75979
52	Herbert	Muckleroy	The Honorable	Mayor	City of Silsbee	105 S. Third Street	Silsbee	TX	77656
53	Thomas	Tyler	Mr.	Councilman	City of Silsbee	105 S. Third Street	Silsbee	TX	77656
54	Susan	Bard	Mr.	Councilman	City of Silsbee	105 S. Third Street	Silsbee	TX	77656
55	Christopher	Barnes	Mr.	Councilman	City of Silsbee	105 S. Third Street	Silsbee	TX	77656
56	Adalaide	Cash-Balaban	Mr.	Mayor Pro-Tem	City of Silsbee	105 S. Third Street	Silsbee	TX	77656
57	Gary	Strahan	Mr.	Councilman	City of Silsbee	105 S. Third Street	Silsbee	TX	77656
58	Jim	Willis	Mr.	Councilman	City of Silsbee	105 S. Third Street	Silsbee	TX	77656
59	Tommy	Bartosh	Mr.	City Manager	Ciity of Silsbee	105 S. Third Street	Silsbee	TX	77656
60	Mark	Bean	The Honorable	Mayor	City of Newton	101 North Street	Newton	TX	75966
61	Donnie	Meek	Mr.	City Administrator	City of Newton	101 North Street	Newton	TX	75966
62	Mike	Adams	Mr.	Councilman	City of Newton	101 North Street	Newton	TX	75966
63	John	Pollock	Mr.	Councilman	City of Newton	101 North Street	Newton	TX	75966
64	Joni	Miller	Mr.	Councilman	City of Newton	101 North Street	Newton	TX	75966
65	Tommy	Westbrook	Mr.	Councilman	City of Newton	101 North Street	Newton	TX	75966
66	James	Bean	Mr.	Councilman	City of Newton	101 North Street	Newton	TX	75966
67	Frank	George	The Honorable	Mayor	City of Kirbyville	107 S. Elizabeth	Kirbyville	TX	75956
68	Tony	Stark	Mr.	Water System Sup.	City of Kirbyville	107 S. Elizabeth	Kirbyville	TX	75956
69	Laura	Adams	Ms.	Mayor Pro-Tem	City of Kirbyville	107 S. Elizabeth	Kirbyville	TX	75956
70	Andra	Grand	Ms.	Councilman	City of Kirbyville	107 S. Elizabeth	Kirbyville	TX	75956
71	Vondol	Bailey	Ms.	Councilman	City of Kirbyville	107 S. Elizabeth	Kirbyville	TX	75956
72	Wayne	Love	Mr.	Councilman	City of Kirbyville	107 S. Elizabeth	Kirbyville	TX	75956

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	B	C	E	F	G	H	J	K	L
73	Preston	Williams	Mr.	Councilman	City of Kirbyville	107 S. Elizabeth	Kirbyville	TX	75956
74	Walter R.	Glenn	Mr.	Board President	SETGCD	7409 FM 1013 West	Kirbyville	TX	75956
75	Sam	Ashworth	Mr.	Director	SETGCD	954 Tucker Hill Rd.	Silsbee	TX	77656
76	Wendy	Turner	Ms.	Director	SETGCD	P.O. Box 816	Silsbee	TX	77656
77	Olen	Bean	Mr.	Director	SETGCD	156 Private Rd. 8031	Newton	TX	75966
78	Charles	Hughes	Mr.		SETGCD	P.O. Box 337	Bon Wier	TX	75928
79	Mike	Adams	Mr.		SETGCD	3507 Highway 87 North	Newton	TX	75966
80	Robert C.	Woods	Mr.		SETGCD	Rt. 1, Box 1546	Newton	TX	75966
81	Jon	Meek	Mr.	Director	SETGCD	101 North Street	Newton	TX	75966
82	Julie	Simmons-Carr	Ms.		SETGCD	101 North Street	Newton	TX	75966
83	Herbert	Branch	Mr.		SETGCD	1404 West Bluff	Woodville	TX	75979
84	J.D.	Keefer	Mr.		SETGCD	4767 FM 256 East	Colmesneil	TX	75938
85	Charles	Maclin	Mr.		SETGCD	400 West Bluff	Woodville	TX	75979
86	Bobby	Rogers	Mr.	Treasurer/Secretary	SETGCD	P.O. Box 55	Silsbee	TX	77656
87	Roger	Fussell	Mr.	Vice President	SETGCD	P.O. Box 8065	Lumberton	TX	77657
88	Steve	Pittman	Mr.		SETGCD	1699 Hickory St.	Colmesneil	TX	75938
89	Charles	Zimmerman	Mr.	Director	SETGCD	298 CR 2152	Woodville	TX	75979
90	Mitch	McMillon	Mr.	Director	SETGCD	1003 Creekbend Dr.	Jasper	TX	75951
91	Linda	Powell	Ms.	Director	SETGCD	P.O. Box 5309	Sam Rayburn	TX	75951
92	Jim	Boone	Mr.	Director	SETGCD	1930 CR 2570	Colmesneil	TX	75938
93	Robyn	Summerlin	Mr.	Director	SETGCD	829 CR 2085	Woodville	TX	75979
94	Greg	Wobbe	Mr.	Director	SETGCD	103 Court Street	Newton	TX	75966
95	Robert	Nichols	The Honorable	Senator		329 Neches Street	Jacksonville	TX	75766
96	James	White	The Honorable	Representative		2915 Atkinson Dr.	Lufkin	TX	75901
97	Newton County News					211 Glover Dr.	Newton	TX	75966
98	Buna Beacon					P.O. Box 1557	Buna	TX	77612
99	Jasper Newsboy					702 S. Wheeler Street	Jasper	TX	75951
100	Kirbyville Banner					104 N. Kellie Avenue	Kirbyville	TX	75956
101	Silsbee Bee					404 Hwy. 96 South	Silsbee	TX	77656
102	Hardin County News					522 N. Main	Lumberton	TX	75657
103	Tyler County Booster					P.O. Box 339	Woodville	TX	75979
104									
105	Current Board Members Received By Way of Dropbox Folder								
106									
107	Newspapers Received By Way of Email								

Drillers - Distirct Surrounding Counties

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	A	B	C	D	E	F	G	H
1	Suffix	**LAST NAME**	**FIRST NAME**	**ADDRESS 1**	**CITY**	**STATE**	**ZIP**	**COUNTY**
2								
3	Mr.	Aguilar	Ruperto	2811 Hwy. 59 S.	Livingston	TX	77351	Polk
4	Mr.	Bell	Evan	2455 Cardinal Dr, St.	Beaumont	TX	77705	Jefferson
5	Mr.	Bishop	Nathan	P.O. Box 1186	Newton	TX	75966	Newton
6	Mr.	Bishop	David	622 CR 2049	Newton	TX	75966	Newton
7	Mr.	Bowman	Harold	925 Scott Drive	Vidor	TX	77662	Orange
8	Mr.	Brevard	Daniel	523 FM 1819	Pollok	TX	75969	Angelina
9	Mr.	Britton	Claude	P.O. Box 12114	Beaumont	TX	77726	Jefferson
10	Mr.	Britton	Steven	P.O. Box 12114	Beaumont	TX	77726	Jefferson
11	Mr.	Bryson	Harry	P.O. Box 213	Winnie	TX	77665	
12	Mr.	Bufkin	Stephen	2425 FM 3229	Bronson	TX	75930	Sabine
13	Mr.	Casarez	Patrick	914 North Washingtor	Cleveland	TX	77327	Liberty
14	Mr.	Chapman	Keith	RR 4, Box 3980	San Augustine	TX	75972	San Augustine
15	Mr.	Chrisley	John	671 Village Brook	Livingston	TX	77351	Polk
16	Mr.	Davis	Graham	209 CR 2024	Newton	TX	75966	Newton
17	Mr.	Dixon	R.E.	RR. 1, Box 59	Broaddus	TX	75929	San Augustine
18	Mr.	Dixon	Vernon	141 Cowell Circle	Broaddus	TX	75929	San Augustine
19	Mr.	Dodds	Keith	1609 S. Chestnut, Ste	Lufkin	TX	75901	Angelina
20	Mr.	Elms	Thomas	P.O. Box 12114	Beaumont	TX	77726	Jefferson
21	Mr.	English	James	2403 North Raguet St	Lufkin	TX	75904	Angelina
22	Mr.	English	Ronald	2403 North Raguet St	Lufkin	TX	75904	Angelina
23	Mr.	Gilbert	Marvin	22502 Hwy. 105 E.	Cleveland	TX	77328	Liberty
24	Mr.	Gore	Dale	3710 Swinney Rd.	Silsbee	TX	77656	Hardin
25	Mr.	Greak	James	P.O. Box 92	Liberty	TX	77575	Liberty
26	Mr.	Griffin	Donald	2598 Blue Water Rd.	Livingston	TX	77351	Polk
27	Mr.	Guichard	Lance	P.O. Box 2000	Crowley	LA	70527	
28	Mr.	Holmes	Dennis	P.O. Box 354	Warren	TX	77664	Tyler
29	Mr.	Holmes	Kenneth	8625 Hwy. 69 S.	Kountze	TX	77625	Hardin
30	Ms.	Holt	Geneva	4112 FM 1005	Jasper	TX	75951	Jasper
31	Mr.	Jones	Dale	205 Shannon Rd.	Vidor	TX	77662	Orange
32	Mr.	Jones	Wes	205 Shannon Rd.	Vidor	TX	77662	Orange
33	Mr.	Jones	Terry	235 Shannon Rd.	Vidor	TX	77662	Orange
34	Mr.	Jones	Whit	1555 Evangeline Dr.	Vidor	TX	77662	Orange

Drillers - Distirct Surrounding Counties

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	A	B	C	D	E	F	G	H
35	Mr.	Jones	Bobby	14 Walker Creek Rd.	Jasper	TX	75951	Jasper
36	Mr.	McDaniel	Boyd	P.O. Box 1149	Livingston	TX	77351	Polk
37	Mr.	Mizell	Ronald	58 CR 3011	Dayton	TX	77535	Liberty
38	Mr.	Newman	Mitchell	4112 FM 1005	Jasper	TX	75951	Jasper
39	Mr.	Odom	Michael	9021 Oak Vis	Orange	TX	77630	Orange
40	Mr.	Padgett	Albert	5650 Jefferson St.	Vidor	TX	77662	Orange
41	Mr.	Paskell	Fred	235 Decker	Vidor	TX	77662	Orange
42	Mr.	Paskell	John	123 Holy Circle	Vidor	TX	77662	Orange
43	Mr.	Payne	Jason	1967 CR 661	Dayton	TX	77535	Liberty
44	Mr.	Peters	Danny	Rt. 1, Box 68	Kirbyville	TX	75956	Jasper
45	Mr.	Robinson	Norman	235 Decker Rd.	Vidor	TX	77662	Orange
46	Mr.	Primo	Trejo	P.O. Box 675	Belleville	TX	77418	
47	Mr.	Stevenson	Jason	1985 Dublin	Vidor	TX	77662	Orange
48	Mr.	Turk	Mitch	P.O. Box 1012	Silsbee	TX	77656	Hardin
49	Mr.	Vanya	David	3881 St. Hwy. 1465	Livingston	TX	77351	Polk
50	Mr.	Vanya	John	300 Jack Nettles Rd.	Livingston	TX	77351	Polk
51	Mr.	West	Randy	P.O. Box 82	Batson	TX	77519	Hardin
52	Mr.	Williams	Jon	336 Dickens Oaks W.	Livingston	TX	77351	Polk
53	Mr.	Willoughby	Matthew	2455 Cardinal Dr, St.	Beaumont	TX	77705	Jefferson
54	Mr.	Wilson	Jackie	7247 FM 252	Jasper	TX	75951	Jasper
55	Mr.	Wright	Curtis	2585 Tidwell	Diboll	TX	75941	Angelina
56	Mr.	Zavala	Raul	204 West Otello	Jasper	TX	75951	Jasper