



# 2023 ANNUAL REPORT



# SOUTHEAST TEXAS GOUNDWATER CONSERVATION DISTRICT



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# DISTRICT INFORMATION

## CREATION OF THE DISTRICT



In 2003, the creation of the District was authorized by the 78<sup>th</sup> 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.

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## 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. 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.

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## 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 121,226 people (U.S. Census Bureau 2020 data).

The District is included in two regional water planning groups: Region I, Regional Water Planning Group and Groundwater Management Area 14 (GMA 14). The District's General Manager, John Martin, is the current chairman of both the Region I Water Planning Group and Groundwater Management Area 14. Additionally, President Fussell and Director Starr are also voting members of the Region I Water Planning Group.

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### District Office

271 East Lamar • P.O. Box 1407  
Jasper, TX 75951  
Phone: (409) 383-1577 • Fax: (409) 383-0799  
[www.setgcd.org](http://www.setgcd.org)

# BOARD OF DIRECTORS & STAFF

## EXECUTIVE COMMITTEE:



Roger Fussell  
President

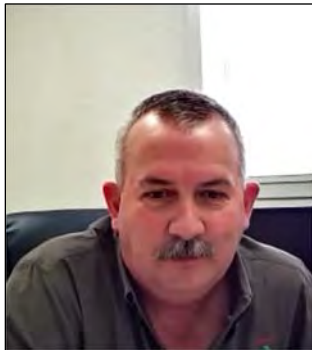


Olen Bean  
Vice President



Bobby Rogers  
Secretary/Treasurer

## JASPER COUNTY REPRESENTATIVES:



Greg Kelley, Director  
Appointed by City of Jasper  
Large Municipal Water Utility  
Term: 2022 – 2024



Billy Ted Smith, Director  
Appointed by Jasper County  
Rural Water Utility  
Term: 2023 – 2025



Steven Black, Director  
Appointed by Jasper County  
Large Industrial  
Term: 2024 – 2026

## NEWTON COUNTY REPRESENTATIVES:



Cody Jones, Director  
Appointed by City of Newton  
Large Municipal Utility  
Term: 2022 – 2024



Olen Bean, Director  
Appointed by Newton County  
Rural Water Utility  
Term: 2023 – 2025



Thomas Hawthorne, Director  
Appointed by Newton County  
Forestry, Agriculture, Industry  
Term: 2024 – 2026

# BOARD OF DIRECTORS & STAFF

## HARDIN COUNTY REPRESENTATIVES:



Sam Ashworth, Director  
Appointed by Hardin County  
Agricultural, Industrial  
Term: 2022 – 2024



Bobby Rogers, Sec./Tres  
Appointed by Hardin County  
Rural, Small Water Utility  
Term: 2023 – 2025



Robb Starr, Director  
Appointed by Hardin County  
Large Municipal Utility  
Term: 2024 – 2026

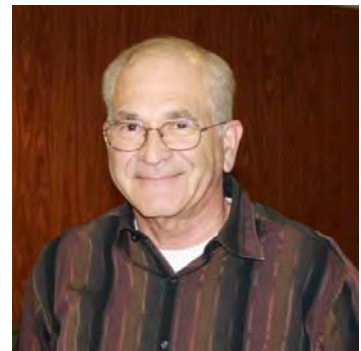
## TYLER COUNTY REPRESENTATIVES:



Ken Jobe, Director  
Appointed by Tyler County  
Rural, Small Water Utility  
Term: 2022 – 2024



Rick Russler, Director  
Appointed by Tyler County  
Large Municipal Utility  
Term: 2023 – 2025



Charles Zimmerman, Director  
Appointed by Tyler County  
Forestry, Agricultural, Industry  
Term: 2024 – 2026

## STAFF:



John Martin, General Manager

## GENERAL COUNSEL:



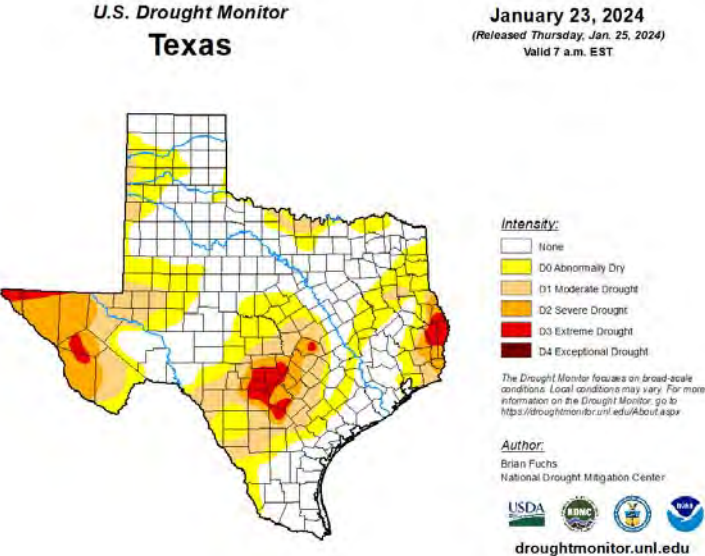
John D. Stover, General Counsel

# STATEMENT FROM THE GENERAL MANAGER

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2023 was a “bit” on the dry side. The District, as well as a large area of the state, had a high-pressure system sitting on top of it for what seemed to be the entire summer. This high-pressure system brought on the State’s second hottest summer according to the state climatologist’s office. Many areas, including our District, saw an inordinate number of days that reached or exceeded 100 degrees. As a former Yankee, born and raised in northeast Ohio (where summer typically last only 2 months and rarely reaches 100 degrees), the nicest thing I can say about this past summer is that it finally ended!



Even with the high-pressure system having moved along and a favorable El Niño, Southeast Texas really didn’t get much drought relief until late in the year. The U.S. Drought Monitor only just removed the northern portions of Jasper and Newton Counties from its highest drought condition rating of D4 (exceptional drought) and as of January 23, 2024 was still rated a D3 (extreme drought). That being said, the week of January 22, 2024 has been wet for most of east Texas with many areas receiving over 5 inches of rainfall.

As is the case every year, the District had four board members’ three-year appointments come to an end. Directors Charles Zimmerman (Tyler County), Robb Starr (Hardin County), Thomas Hawthorne (Newton County), and Steven Black all had their current appointments end as of December 31, 2023 and all four were re-appointed to the Board by their respective commissioner’s court for another 3-year term through December 21, 2026.

As we brought 2023 to a close and were looking forward to 2024, it appeared that the District would be retaining all 13 Board Members. Sadly, the District’s President, Roger Fussell unexpectedly passed away on January 3, 2024. Roger was the senior member of the Board having been sworn in on January 12, 2006. Not only was Roger deeply involved with the District, he also brought to the District decades worth of water

knowledge. Roger was also an avid supporter of the people who worked in the water utilities industry. He was heavily involved with the Texas Water Utilities Association, having been its President at one time, which provides support for water utility professionals. The association has been helping water professionals obtain their licenses but also providing continuing education throughout the year so that they can meet their continuing education requirements for retaining their licenses. Saying Roger will be missed is an understatement!

A little over a year ago, the District had its first production fee increase since the District was formed. The fee was raised from 7/10<sup>th</sup> of a cent per 1,000 gallons pumped to 1 cent per 1,000 gallons pumped. With that increase, the District reached its maximum statutorily allowed rate and began to take the necessary legislative steps to get the maximum of 1 cent per 1,000 gallons raised. The reason this was necessary was because two of the District's permit holders account for approximately 75% of the District's revenue and if either of them were to cease pumping the District will be severely impacted.

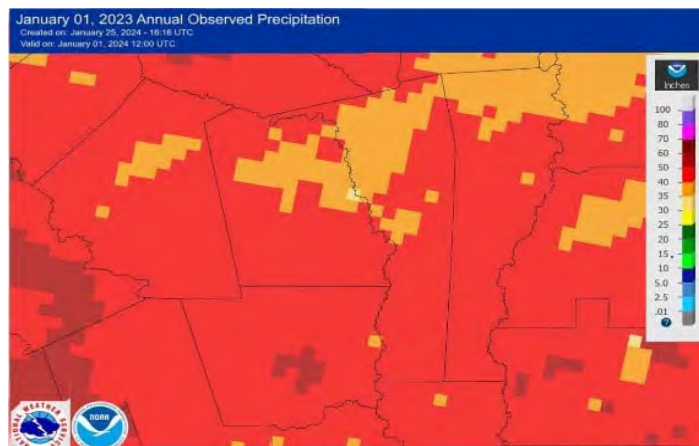
The Southeast Texas Groundwater Conservation District has been extremely financially responsible over the years and because of this I expected the legislative process to be relatively simple. It's amazing how wrong I can be sometimes. Our Bill, SB 2052, which literally only changes two words, "one cent" to "seven cents", was just getting through each legislative step with almost no time to spare. In fact, it only passed out the House because of skillful use of their meeting schedule. The bill received all three readings on the House Floor in one morning. This usually takes 3 full days.

SB 2052 having been successfully passed by both the Senate and the House, only needed the Governor's signature (or at least that he did not veto it) to take effect. Unfortunately for our District, the Governor was unhappy with the legislator's failure to pass a property tax bill and stated that he believed that a property tax bill was more important for the legislators to focus on than our relatively inconsequential local bill. The Governor expressed his dissatisfaction by vetoing SB 2052 along with approximately fifty other local bills. In the Governor's proclamation he specifically stated that the bill could be re-addressed in a special session after a property tax bill is passed, however, this hasn't come to fruition. There have been four special sessions, two after a property tax bill being passed, but our bill has not been re-addressed in the third or fourth special session.

I would be remiss if I didn't take a moment to thank everyone who assisted the District in this endeavor (even if we weren't successful), starting with the District's legal counsel, Attorney John D. Stover for his efforts on working with Senator Nichols to sponsor our Bill and his work with our Representatives. Senator Nichols was extremely gracious and after a meeting attended by the Senator with President Fussell, Director Starr, and Attorney Stover he understood our need/request and sponsored SB 2052. The Senator was also instrumental in working with our local State Representatives to get the bill sponsored and moved on House side. Representative Trent Ashby sponsored the bill on the House side, but the District received support from all four of our Representatives:

Dade Phelan (Jasper County), Trent Ashby (Tyler County), Earnest Bailes (Hardin County), and Travis Clardy (Newton County).

As mentioned earlier, due to the high pressure sitting over Texas for a prolonged period of time, we experienced a dry year, even reaching the D4 “exceptional drought” designation in September 2023 on the U.S. Drought Monitor map for the entirety of the District. The D4 conditions eased some in December, but only recently dropped the D4 rating for the entire District.



The January 1, 2023 NOAA Annual Observed Precipitation map shows that the majority of the District received between 40 – 50 inches of precipitation in 2023, with some areas only receiving 35 – 40 inches. Weather Station data from 17 stations located in Tyler County show that the average was only 39 inches for Tyler County. These numbers are similarly echoed by data from the Lumberton M.U.D. which recorded only 39.47 inches in 2023.

As far as the number of new exempt domestic wells being registered within the District goes in 2023, the District saw a moderate reduction with only 248. 2022 and 2021 had 297 and 303 new exempt domestic wells each year, which calculates to a 17% reduction in 2023.

The District had a total of 277 exempt wells registered in 2023, which includes the domestic, livestock, and exempt other wells. The District also had ten non-exempt wells permitted in 2023. Six of the ten wells were temporary test wells and have been or will be plugged. If we look at all wells registered over the past 5 and 10 year time periods the total number of wells registered is down 10% compared to the previous 5-year average, and down 5% compared to the previous 10-year average. The oil & gas related well category was also down in 2023, with only 12 wells drilled compared to 26 wells in 2022. The number of oil and gas related wells continues to fall far below what the average number was between 2011 – 2014, which averaged over 50 wells per year.

There was a marked increase in the number of non-exempt wells that were permitted/drilled in 2023. 10 wells were permitted/drilled and although the majority of these wells were test wells and have been plugged (non-exempt but not issued a permit due to being a temporary well used for gathering information at that site), the District had more non-exempt wells permitted/drilled in 2023 than it had in the past 7 years combined. The District has only seen more non-exempt wells permitted/drilled one time, in 2011 when 13 new non-exempt wells were permitted/drilled.

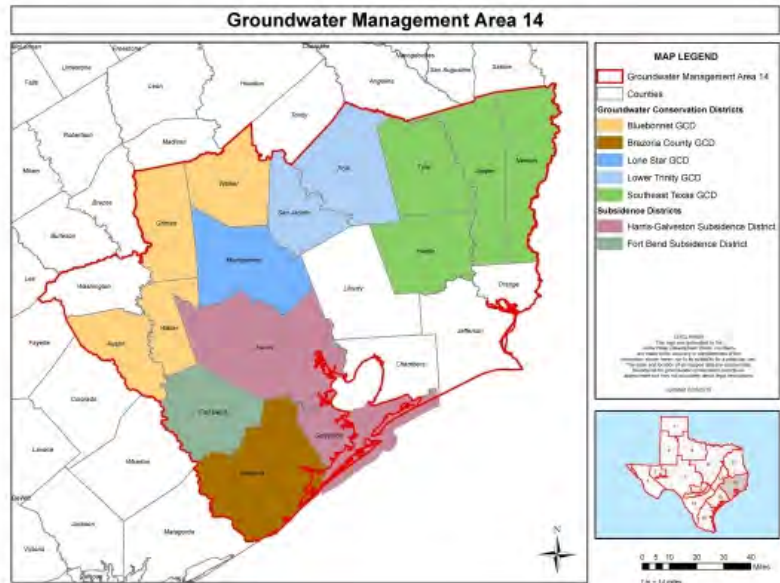




On a regional planning basis, things were relatively quiet, as was the case last year. Groundwater Management Area 14 (GMA 14) met three times in 2023 and the Region I Water Planning Group (RWPG) met four times.

The RWPG has been working steadily to compile all the necessary elements for the current regional water plan. Significant time has been spent on population numbers, municipal and non-municipal demands, infeasible water management strategies, and hydrological variances. All these elements are required for the Technical Memorandum that must be submitted to the Texas Water Development Board in early March. Region I is set to meet on February 15, 2024 to approve this Technical Memorandum for submittal to the Texas Water Development Board.

Groundwater Management Area 14 (GMA 14) met three times in 2023. The main focus of the three meetings has been the new groundwater availability model that has been developed by the United States Geological Survey in conjunction with the Harris-Galveston and Fort Bend Subsidence Districts. Since the focal point of the updated model is the subsidence districts and the greater Houston area, the GMA Members had concerns and worked closely with the Texas Water Development Board to clarify and work through those concerns. GMA 14 Members are considering requesting that the Texas Water Development Board allow for a revised/amended version of the new model be utilized for the purposes of GMA 14 planning.



One encouraging element to come out of GMA 14 in 2023 is that the Lone Star Groundwater Conservation District has a new Board President, Jim Spigener, and General Manager, Sarah Kouba, who seem to be taking a more cooperative tact than we have seen in the past with regard to Desired Future Conditions Planning.

I mentioned last year that the District was working with Ashely Greuter of the Harris-Galveston Subsidence District on bringing existing subsidence collecting data sites that are in our District into their program. Their assistance is necessary due to the complex issues related with gathering and interpreting the data from the Continuously Operating Reference Station (CORS) sites. We began last year with only one site available, which was in Hardin County. In 2023 Ms. Greuter was able to get the sites located in Tyler and Newton Counties added to the program with the goal of adding one for Jasper County this year. The information gathered from these sites can be found in Goal 4.3.

In 2023 the Southeast Texas Groundwater Conservation District continued to provide excellent service to the four counties of our District.

This Annual Report is the wrap-up for 2023. 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 ensure that the groundwater resources of the District remain, for future generations, the abundant resources they are today.

# GOAL 4.1

## PROVIDING THE MOST EFFICIENT USE OF GROUNDWATER

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### 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.*
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### 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 types of wells being drilled, but also their specific location, and after receipt of the driller's Well Report, the well 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 2023 data.

As you can see, the District had a total of 277 exempt wells registered in 2023. The District also had ten non-exempt wells permitted in 2023. Six of the ten wells were temporary test wells and have been or will be plugged. Overall, the 277 exempt wells registered in 2023 was approximately a 17% reduction from 2022. If we look at all wells registered over the past 5 and 10 year time periods the total number of wells registered is down 10% compared to the previous 5-year average, and down 5% compared to the previous 10-year average. The oil & gas related well category was down 54% in 2023, with only 12 wells drilled compared to 26 wells in 2022. The number of oil and gas related wells continues to fall far below what the average number was between 2011 – 2014, which averaged over 50 wells per year.

Included in this section are ArcMap GIS location maps for each county. These maps show the location of each exempt well registered and non-exempt well permitted in 2023, information regarding ownership, date of registration, and the identity of the driller. A map showing the locations of all the water wells that were plugged within the District in 2023 is also included. The number of wells plugged in 2023 was 49, a 37% decrease from 2022, however, 49 is exactly the average for the previous 5 year period.

# GOAL 4.1

Also included in this section is a table showing how many wells were drilled into each layer of the Gulf Coast Aquifer. In the far northern portions of the District the data is incomplete as it is likely that it is the Catahoula layer of the aquifer that is being utilized. When reviewing the new well data for each county these wells are categorized as N/A or U/K for the Aquifer Layer and Geologic Layer. The following is a breakdown of which layer is being utilized, the number of wells drilled and the overall percentage:

<b>AQUIFER LAYER</b>	<b>TOTAL NUMBER OF WELLS DRILLED</b>	<b>PERCENT</b>
<b>Chicot</b>	209	74.5%
<b>Evangeline</b>	1	0.3%
<b>Burkeville</b>	3	1.0%
<b>Jasper</b>	21	7.5%
<b>U/K (likely Catahoula)</b>	29	10.3%

Note: this table is not inclusive of all wells drilled in 2023 with approximately 7% of the State Well Reports having not yet been submitted for wells registered in November and December. These numbers are very similar to the past several years in that majority of wells are drilled into the Chicot layer of the Gulf Coast Aquifer, with the Jasper layer making up the majority of the remaining percentage (of wells with known layer data).

# GOAL 4.1

## COUNTY TOTALS

<b>Jasper County</b>	<b>Number of Wells - 2023</b>
Exempt/Registered Wells - Domestic	75
Exempt/Registered Wells - Other	7
Exempt/Registered Wells - Oil and Gas Related	2
Non-Exempt Wells – Industrial / Commercial	2
Non Exempt Wells – Public Water Supply	0
<i>Plugged Wells</i>	11
<b>TOTAL REGISTERED/PERMITTED WELLS</b>	<b>84 / 2</b>

<b>Newton County</b>	<b>Number of Wells - 2023</b>
Exempt/Registered Wells - Domestic	27
Exempt/Registered Wells - Other	3
Exempt/Registered Wells - Oil and Gas Related	0
Non-Exempt Wells – Industrial / Commercial	0
Non Exempt Wells – Public Water Supply	0
<i>Plugged Wells</i>	4
<b>TOTAL REGISTERED/PERMITTED WELLS</b>	<b>30</b>

<b>Hardin County</b>	<b>Number of Wells - 2023</b>
Exempt/Registered Wells - Domestic	84
Exempt/Registered Wells - Other	4
Exempt/Registered Wells - Oil and Gas Related	3
Non Exempt Wells – Industrial/Commercial	8*
Non Exempt Wells – Public Water Supply	0
<i>Plugged Wells</i>	8
<b>TOTAL REGISTERED/PERMITTED WELLS</b>	<b>91 / 8</b>

<b>Tyler County</b>	<b>Number of Wells - 2023</b>
Exempt/Registered Wells - Domestic	62
Exempt/Registered Wells - Other	3
Exempt/Registered Wells - Oil and Gas Related	7**
Non Exempt Wells – Industrial/Commercial	0
Non Exempt Wells – Public Water Supply	0
<i>Plugged Wells</i>	26
<b>TOTAL REGISTERED/PERMITTED WELLS</b>	<b>82</b>

# GOAL 4.1

## DISTRICT WIDE TOTALS

<b>Total</b>	<b>Number of Wells – 2023</b>
<b>Exempt/Registered Wells – Domestic</b>	248
<b>Exempt/Registered Wells – Other</b>	17
<b>Exempt/Registered Wells – Oil and Gas Related</b>	12**
<b>Non Exempt/Permitted – Industrial/Commercial</b>	10*
<b>Non Exempt/Permitted – Public Water Supply</b>	0
<b>Plugged Wells</b>	49
<b>TOTAL REGISTERED/PERMITTED WELLS</b>	<b>277 / 10</b>

\*6 of the 8 Non-Exempt Industrial Commercial wells in Hardin County were temporary test wells and have been or will be plugged

\*\*4 of the 7 Exempt Registered – Oil Gas Related wells in Tyler County were on one lease and have been plugged

## TOTAL EXEMPT-REGISTERED / NON-EXEMPT-PERMITTED

<b>Total</b>	<b>Number of Wells - 2023</b>
<b>Exempt/Registered Wells</b>	<b>277</b>
<b>Non Exempt/Permitted Wells</b>	<b>10</b>

# Goal 4.1 – Multi Year Comparison

## Registered & Permitted Wells Annual Comparison 2013 – 2023

<b>Jasper County</b>	<b>2023</b>	<b>2022</b>	<b>2021</b>	<b>2020</b>	<b>2019</b>	<b>2018</b>	<b>2017</b>	<b>2016</b>	<b>2015</b>	<b>2014</b>	<b>2013</b>
Exempt/Registered Wells - Domestic	75	91	109	98	82	84	71	76	82	73	72
Exempt/Registered Wells - Other	7	5	1	4	4	1	0	0	1	2	6
Exempt/Registered Wells - Oil Gas Related	2	7	2	4	7	2	8	5	1	22	8
Non-Exempt Wells – Industrial/Commercial	2	0	0	0	0	0	0	1	3	0	1
Non-Exempt – Public Water Supply	0	0	0	0	0	0	0	0	1	1	0
<b>TOTAL REGISTERED/PERMITTED</b>	<b>86</b>	<b>103</b>	<b>112</b>	<b>106</b>	<b>93</b>	<b>87</b>	<b>79</b>	<b>82</b>	<b>88</b>	<b>98</b>	<b>87</b>

<b>Newton County</b>	<b>2023</b>	<b>2022</b>	<b>2021</b>	<b>2020</b>	<b>2019</b>	<b>2018</b>	<b>2017</b>	<b>2016</b>	<b>2015</b>	<b>2014</b>	<b>2013</b>
Exempt/Registered Wells - Domestic	27	46	53	49	35	42	47	36	37	40	24
Exempt/Registered Wells - Other	3	0	1	1	1	2	1	0	7	2	4
Exempt/Registered Wells - Oil Gas Related	0	3	1	3	2	2	6	4	3	9	8
Non-Exempt Wells – Industrial/Commercial	0	0	0	0	0	0	0	0	0	0	0
Non-Exempt – Public Water Supply	0	0	1	0	0	0	0	0	1	0	0
<b>TOTAL REGISTERED/PERMITTED</b>	<b>30</b>	<b>49</b>	<b>56</b>	<b>53</b>	<b>38</b>	<b>46</b>	<b>54</b>	<b>40</b>	<b>48</b>	<b>51</b>	<b>36</b>

<b>Hardin County</b>	<b>2023</b>	<b>2022</b>	<b>2021</b>	<b>2020</b>	<b>2019</b>	<b>2018</b>	<b>2017</b>	<b>2016</b>	<b>2015</b>	<b>2014</b>	<b>2013</b>
Exempt/Registered Wells - Domestic	84	87	70	84	73	84	92	71	79	66	87
Exempt/Registered Wells - Other	4	10	2	7	5	4	3	2	0	7	7
Exempt/Registered Wells - Oil Gas Related	3	1	0	0	6	3	3	2	5	7	6
Non-Exempt Wells – Industrial/Commercial	8*	1	2	0	0	0	0	0	0	0	0
Non-Exempt – Public Water Supply	0	0	0	0	0	0	0	0	0	2	
<b>TOTAL REGISTERED/PERMITTED</b>	<b>99</b>	<b>99</b>	<b>74</b>	<b>91</b>	<b>84</b>	<b>91</b>	<b>98</b>	<b>75</b>	<b>84</b>	<b>82</b>	<b>100</b>

# Goal 4.1 – Multi Year Comparison

<b>Tyler County</b>	<b>2023</b>	<b>2022</b>	<b>2021</b>	<b>2020</b>	<b>2019</b>	<b>2018</b>	<b>2017</b>	<b>2016</b>	<b>2015</b>	<b>2014</b>	<b>2013</b>
<b>Exempt/Registered Wells - Domestic</b>	62	73	71	55	45	48	47	51	62	57	47
<b>Exempt/Registered Wells - Other</b>	3	2	5	3	3	0	2	1	1	2	2
<b>Exempt/Registered Wells - Oil Gas Related</b>	7**	15	13	0	4	3	8	5	3	17	11
<b>Non Exempt Wells – Industrial/Commercial</b>	0	1	0	0	0	0	0	0	0	0	0
<b>Non Exempt Wells – Public Water Supply</b>	0	0	0	1	0	0	0	1	0	2	0
<b>TOTAL REGISTERED/PERMITTED</b>	<b>72</b>	<b>91</b>	<b>89</b>	<b>59</b>	<b>52</b>	<b>51</b>	<b>57</b>	<b>58</b>	<b>66</b>	<b>78</b>	<b>60</b>

## DISTRICT WIDE TOTALS

<b>Total</b>	<b>2023</b>	<b>2022</b>	<b>2021</b>	<b>2020</b>	<b>2019</b>	<b>2018</b>	<b>2017</b>	<b>2016</b>	<b>2015</b>	<b>2014</b>	<b>2013</b>
<b>Exempt/Registered Wells - Domestic</b>	248	297	303	286	235	258	257	234	260	236	230
<b>Exempt/Registered Wells - Other</b>	17	17	9	15	13	7	6	3	9	13	19
<b>Exempt/Registered Wells - Oil Gas Related</b>	12**	26	16	7	19	10	25	16	12	55	33
<b>Non Exempt Wells – Industrial/Commercial</b>	10*	2	2	0	0	0	0	1	3	0	0
<b>Non Exempt Wells – Public Water Supply</b>	0	0	1	1	0	0	0	1	2	5	1
<b>TOTAL REGISTERED/PERMITTED</b>	<b>287</b>	<b>342</b>	<b>331</b>	<b>309</b>	<b>267</b>	<b>275</b>	<b>288</b>	<b>255</b>	<b>286</b>	<b>309</b>	<b>283</b>

\*6 of the 8 Non-Exempt Industrial Commercial wells in Hardin County were temporary test wells and have been or will be plugged

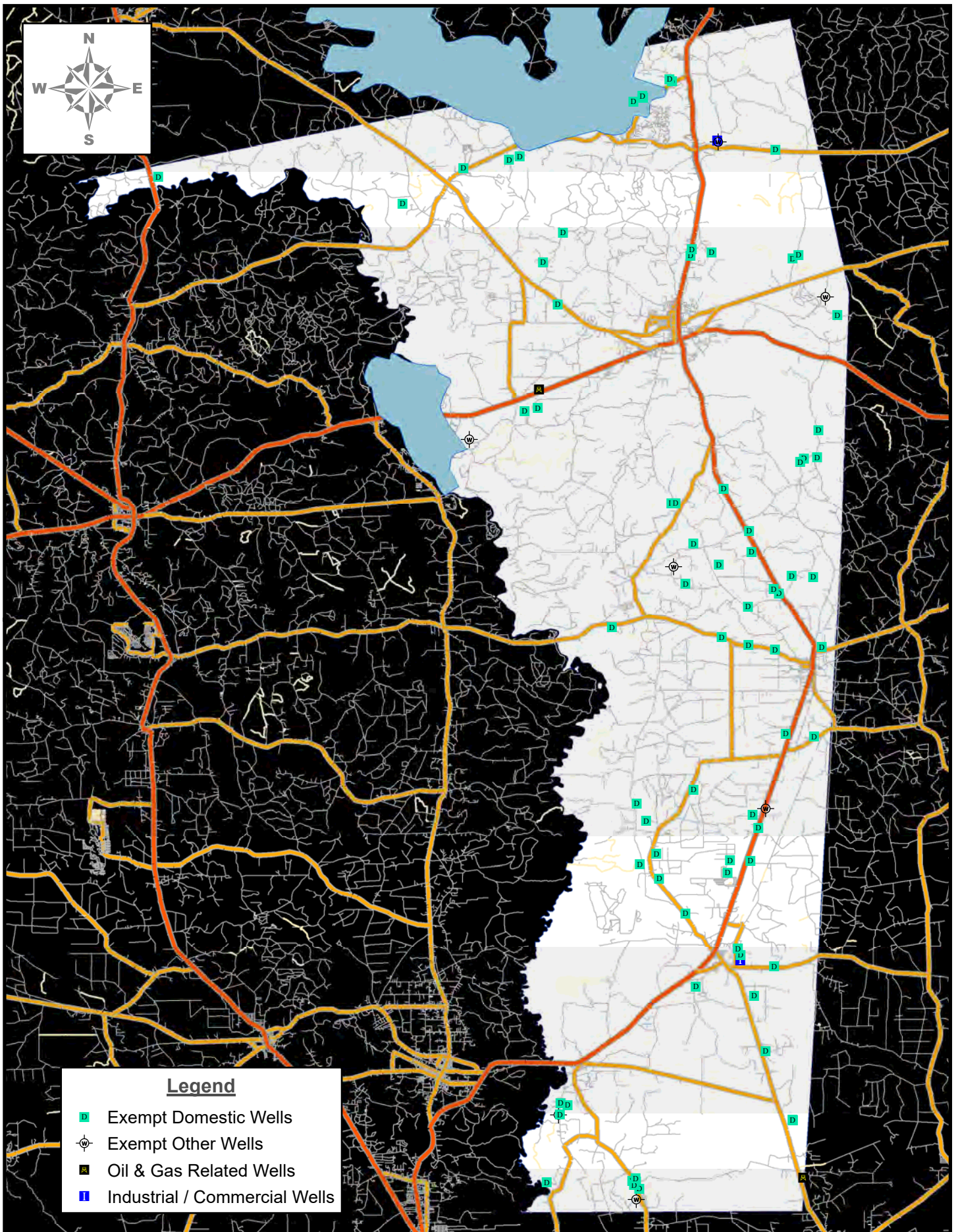
\*\*4 of the 7 Exempt Registered – Oil Gas Related wells in Tyler County were on one lease and have been plugged

Average number of Exempt/Registered wells for the previous 10-year period 2013 – 2022 is 292.7

Average number of Exempt/Registered wells for the previous 5-year period 2018 – 2022 is 304



# Wells Registered / Permitted in Jasper County - 2023



# Jasper County - Exempt Domestic Wells 2023

DATE REGISTERED	COMMENT	OWNER LAST	OWNER FIRST	DRILLER LAST	DRILLER FIRST	AQUIFER	LAYER
01/03/2023	New Well	Michael	Bonds	Glen	<null>	<null>	
01/04/2023	New Well	Gia	Bishop	Nathan	Jasper	Oakville	
01/05/2023	New Well	Rodney	Turk	Mitch	Chicot	Lissie	
01/09/2023	New Well	Kendall	Bishop	Nathan	U/K	U/K	
01/09/2023	New Well	Keneth	Bishop	Nathan	Jasper	Oakville	
01/10/2023	New Well	Robert	Jones	B. J.	U/K	U/K	
01/10/2023	New Well	Warren	Bishop	Nathan	Jasper	Oakville / Catahoula	
01/31/2023	New Well	Jamie	Gore	Dale	Chicot	Lissie	
02/23/2023	New Well	Mark	Jones	B.J.	Chicot	Willis	
03/10/2023	New Well	Larry	Jones	Whit	Chicot	Lissie	
03/14/2023	New Well - Developer	Erinn	Jones	Whit	Chicot	Lissie	
03/15/2023	New Well	Dawn	Turk	Mitch	Chicot	Lissie	
03/21/2023	New Well	David	Jones	B. J.	U/K	U/K	
03/24/2023	Replacement Well	Donald	Jones	Whit	Chicot	Lissie	
03/29/2023	New Well	Milton	Paskell	Keith	Chicot	Lissie	
04/01/2023	New Well	Raymond	Jones	B. J.	U/K	U/K	
04/04/2023	New Well	Teresa	Jones	Whit	Chicot	Willis	
04/12/2023	New Well	Kyle	Paskell	Keith	Chicot	Willis	
04/17/2023	New Well	Mark	Turk	Mitch	Chicot	Lissie	
05/02/2023	New Well	Robert	Bishop	Nathan	Jasper	Oakville	
05/03/2023	New Well	Carla	Jones	Whit	Chicot	Lissie	
05/05/2023	New Well	Hector	Jones	B. J.	U/K	U/K	
05/12/2023	New Well	James	Paskell	Keith	Chicot	Lissie	
05/15/2023	New Well	Kerri	Paskell	Keith	U/K	U/K	

# Jasper County - Exempt Domestic Wells 2023

DATE REGISTERED	COMMENT	OWNER LAST	OWNER FIRST	DRILLER LAST	DRILLER FIRST	AQUIFER	LAYER
05/25/2023	New Well	Curtis	Turk	Mitch	Chicot	Lissie	
06/01/2023	New Well	James	Jones	Whit	Chicot	Lissie	
06/01/2023	New Well	Michael	Jones	Whit	Chicot	Lissie	
06/06/2023	New Well	Tommy	Jones	B. J.	U/K	U/K	
06/07/2023	New Well	Cassie	Jones	Whit	Chicot	Willis	
06/22/2023	New Well	Brandon	Paskell	Keith	Chicot	Lissie	
06/23/2023	New Well	John	Paskell	Keith	Chicot	Lissie	
06/26/2023	New Well / Registered late	Alysha	Jones	B.J.	Chicot	Willis	
06/27/2023	<null>	Jackie	Bishop	Nathan	Chicot	Willis	
06/27/2023	New Well	Linda	Bishop	Nathan	Chicot	Willis	
06/27/2023	New Well	Loretta	Bishop	Nathan	Chicot	Willis	
07/13/2023	New Well	Douglas	Paskell	Keith	Chicot	Lissie	
07/13/2023	New Well	Shawn	Jones	Whit	Chicot	Lissie	
07/14/2023	New Well	David and Tina	Gore	Dale	U/K	U/K	
07/14/2023	New Well	Matt	Paskell	Keith	Chicot	Lissie	
07/17/2023	New Well	Cara	Jones	Whit	Chicot	Lissie	
07/25/2023	Replacement Well	Thomas	Gore	Dale	Chicot / Burkeville	Willis / Mid Lag	
07/26/2023	New Well	D.J.	Paskell	Keith	Chicot	Willis	
08/01/2023	New Well	Abrenda	Turk	Mitch	Chicot	Willis	
08/02/2023	New Well	Mark	Jones	Whit	Chicot	Lissie	
08/03/2023	Replacement Well	Patricia	Jones	Whit	Chicot	Lissie	
08/06/2023	New Well	Ross	Jones	B.J.	U/K	U/K	
08/10/2023	Replacement Well	Wilma	Jones	B.J.	U/K	U/K	
08/21/2023	New Well	James	Jones	Whit	Chicot	Lissie	
08/24/2023	New Well	W.T.	Gore	Dale	Jasper	Oakville	

# Jasper County - Exempt Domestic Wells 2023

DATE REGISTERED	COMMENT	OWNER LAST	OWNER FIRST	DRILLER LAST	DRILLER FIRST	AQUIFER	LAYER
09/08/2023	New Well		Caleb	Paskell	Keith	Chicot	Willis
09/12/2023	New Well		Sam	Paskell	Keith	Chicot	Willis
09/26/2023	New Well		Kathy	Jones	Whit	Chicot	Willis
09/27/2023	New Well		Morgan	Gore	Dale	U/K	U/K
09/29/2023	New Well		James	Paskell	Keith	Chicot	Lissie
10/02/2023	New Well		Dana	Jones	Whit	Chicot	Lissie
10/10/2023	New Well		Kevin	Jones	B.J.	U/K	U/K
10/10/2023	New Well		Stephen	Gore	Dale	Chicot	Willis
10/12/2023	New Well		Kelly	Bishop	Nathan	Chicot	Willis
10/17/2023	New Well		John	Bishop	Nathan	Chicot	Lissie
10/24/2023	New Well		Thomas	Paskell	Keith	Chicot	Lissie
10/25/2023	New Well		Zachary	Paskell	Keith	Chicot	Lissie / Willis
10/26/2023	New Well		William	Paskell	Keith	Chicot	Lissie
11/01/2023	New Well		Dan	Bishop	Nathan	<null>	<null>
11/06/2023	New Well / Reg Rec. Late		Jody	Bishop	Nathan	Jasper	Oakville
11/06/2023	New Well / Reg Rec. Late		Felix	Bishop	Nathan	Chicot	Lissie
11/06/2023	New Well		Charles	Bishop	Nathan	<null>	<null>
11/07/2023	New Well		Randy	Paskell	Keith	Chicot	Lissie
11/08/2023	New Well		James	Jones	Bobby	U/K	U/K
11/29/2023	New Well		Thomas	Paskell	Keith	Chicot	Lissie
12/06/2023	New Well		Caleb and Amanda	Jones	Whit	<null>	<null>
12/07/2023	New Well		Doug	Paskell	Keith	Chicot	Lissie
12/13/2023	New Well		Curtis	Turk	Mitch	Chicot	Lissie
12/14/2023	New Well		Jonathan	Bishop	Nathan	<null>	<null>

# Jasper County - Exempt Domestic Wells 2023

DATE REGISTERED	COMMENT	OWNER LAST	OWNER FIRST	DRILLER LAST	DRILLER FIRST	AQUIFER	LAYER
12/20/2023	New Well		Kerry	Willoughby	Matt	<null>	<null>
12/21/2023	New Well		Monica	Bishop	Nathan	<null>	<null>

# Jasper County - Exempt Other Wells 2023

DATE DRILLED	COMMENT	OWNER LAST	OWNER FIRST	DRILLER LAST	DRILLER FIRST	AQUIFER	LAYER
01/03/2023	New Well / Reg. Late / Reg Wrong		Brick	Jones	B.J.	Chicot	Lissie
04/24/2023	Domestic Irrigation / Solar		Craig	Gore	Dale	Chicot	Lissie
04/25/2023	New Well / Pond / Solar		John	Gore	Dale	Japer	Lower Lagarto
08/23/2023	New Well / Agr.		John	Gore	Dale	Chicot	Willis
08/30/2023	Less Than 25,000 gpd	105 TX LLC	6755 Highway	Jones	Whit	Chicot	Lissie
10/04/2023	New Well / Livestock		Craig	Bishop	Nathan	Chicot	Willis
U/K	Less Than 25,000 gpd	Energy Transfer		N/A	N/A	<null>	<null>

# Jasper County - Oil & Gas Related Wells 2023

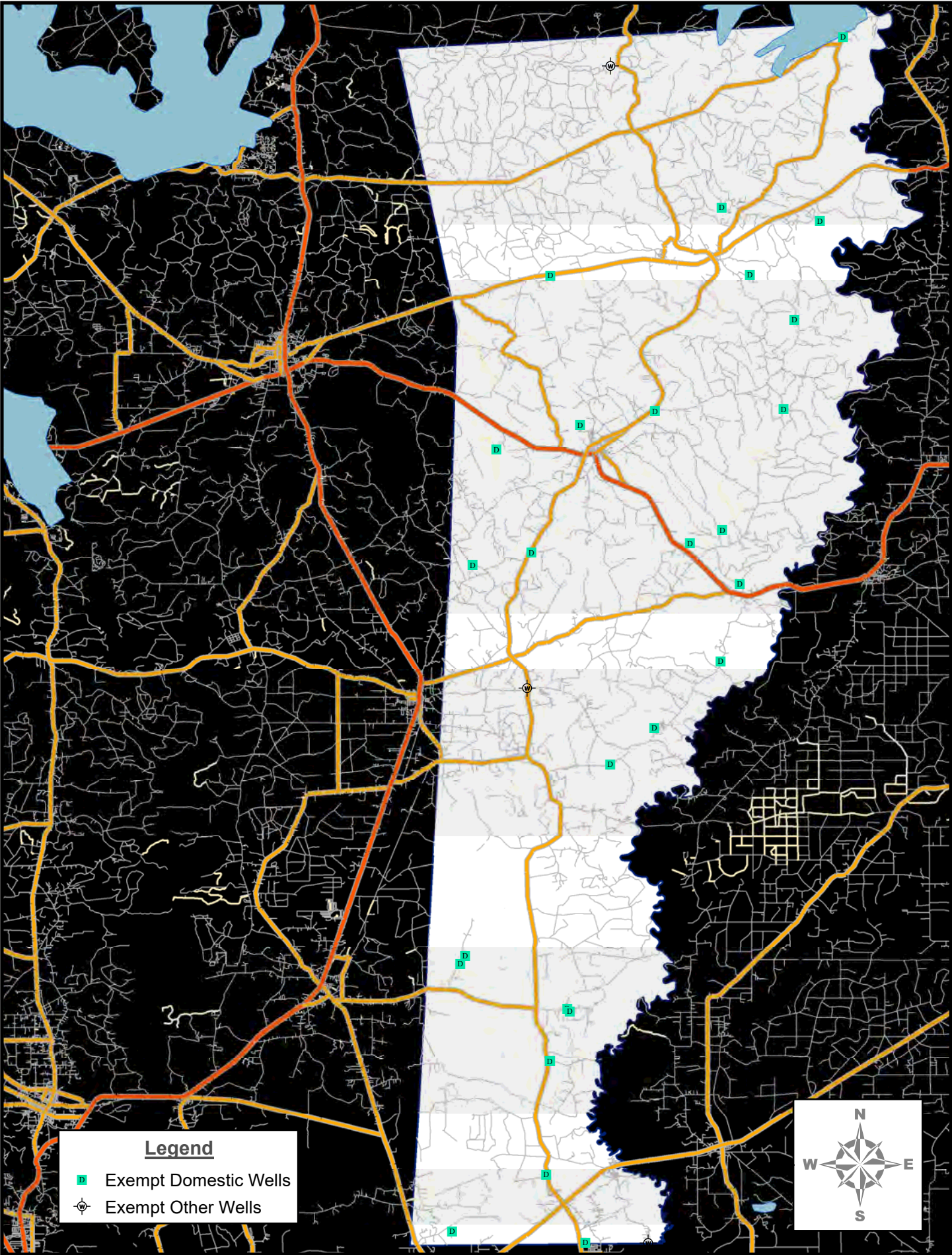
DATE REGISTERED	WELL OWNER	WELL NAME	DRILLING CO.	FRACKED?	PLUGGED	AQUIFER	LAYER
03/17/2023	Wagner Oil & Gas	Hartburg #1	Fas-Line Services, Inc.	N	N	Chicot	Beaumont / Lissie
08/08/2023	BBX Operating	Absolute Power Ut	J&S Water Wells	Y	N	Jasper	Oakville

# Jasper County - Non-Exempt Industrial / Commercial Wells 2023

DATE PERMITTED	PERMITTEE	COMMENT	DRILLER LAST	DRILLER FIRST	AQUIFER	LAYER
08/10/2023	Energy Transfer Corp.	Existing Well / recently permitted	UK	UK	<null>	<null>
10/25/2023	Buna ISD	New Well	Jones	Whit	<null>	<null>



# Wells Registered - Newton County - 2023



# Newton County - Exempt Domestic Wells 2023

DATE REGISTERED	COMMENT	OWNER LAST	OWNER FIRST	DRILLER LAST	DRILLER FIRST	AQUIFER	LAYER
01/06/2023	New Well		Sidney	Bishop	Nathan	Chicot	Willis
01/17/2023	New Well		Thomas and Jessica	Jones	B. J.	Jasper	Lower Lagarto
03/06/2023	New Well		Danny	Gore	Dale	Chicot	Willis
03/07/2023	New Well		George	Bishop	Nathan	Chicot	Willis
03/07/2023	New Well		Mark	Bishop	Nathan	Chicot	Willis
03/21/2023	New Well		Daryl	Bishop	Nathan	<null>	<null>
03/23/2023	New Well		Terry	Bishop	Nathan	Burkeville	Middle Lagarto
04/06/2023	New Well		Shannon	Bishop	Nathan	Chicot	Willis
04/19/2023	New Well		Joe	Paskell	Keith	Chicot	Willis
05/05/2023	New Well		Johnathan	Paskell	Keith	Chicot	Lissie
05/18/2023	New Well		Donavin	Jones	Whit	Chicot	Lissie
07/26/2023	New Well		Emily	Gore	Dale	Chicot	Willis
08/04/2023	New Well		David	Jones	B.J.	Jasper	Lower Lagarto
08/09/2023	New Well		Jerome	Jones	Whit	Chicot	Lissie
08/11/2023	New Well		Derek	Gore	Dale	U/K	U/K
08/16/2023	New Well / Reg. Late		Betty	Gore	Dale	Chicot	Lissie
09/13/2023	New Well		Lisa	Paskell	Keith	Chicot	Lissie
09/15/2023	New Well		Norman	Paskell	Keith	Chicot	Lissie
09/21/2023	New Well		Charles	Jones	Whit	Chicot	Lissie
09/22/2023	New Well		Thomas	Jones	Whit	Chicot	Lissie
10/26/2023	Replacement Well		Paul	Bishop	Nathan	Evangeline	Upper Lagarto
10/27/2023	New Well		Nathaniel	Paskell	Keith	Chicot	Lissie
10/31/2023	New Well		Charles	Bishop	Nathan	<null>	<null>
11/18/2023	New Well		Drake	Paskell	Keith	Chicot	Lissie

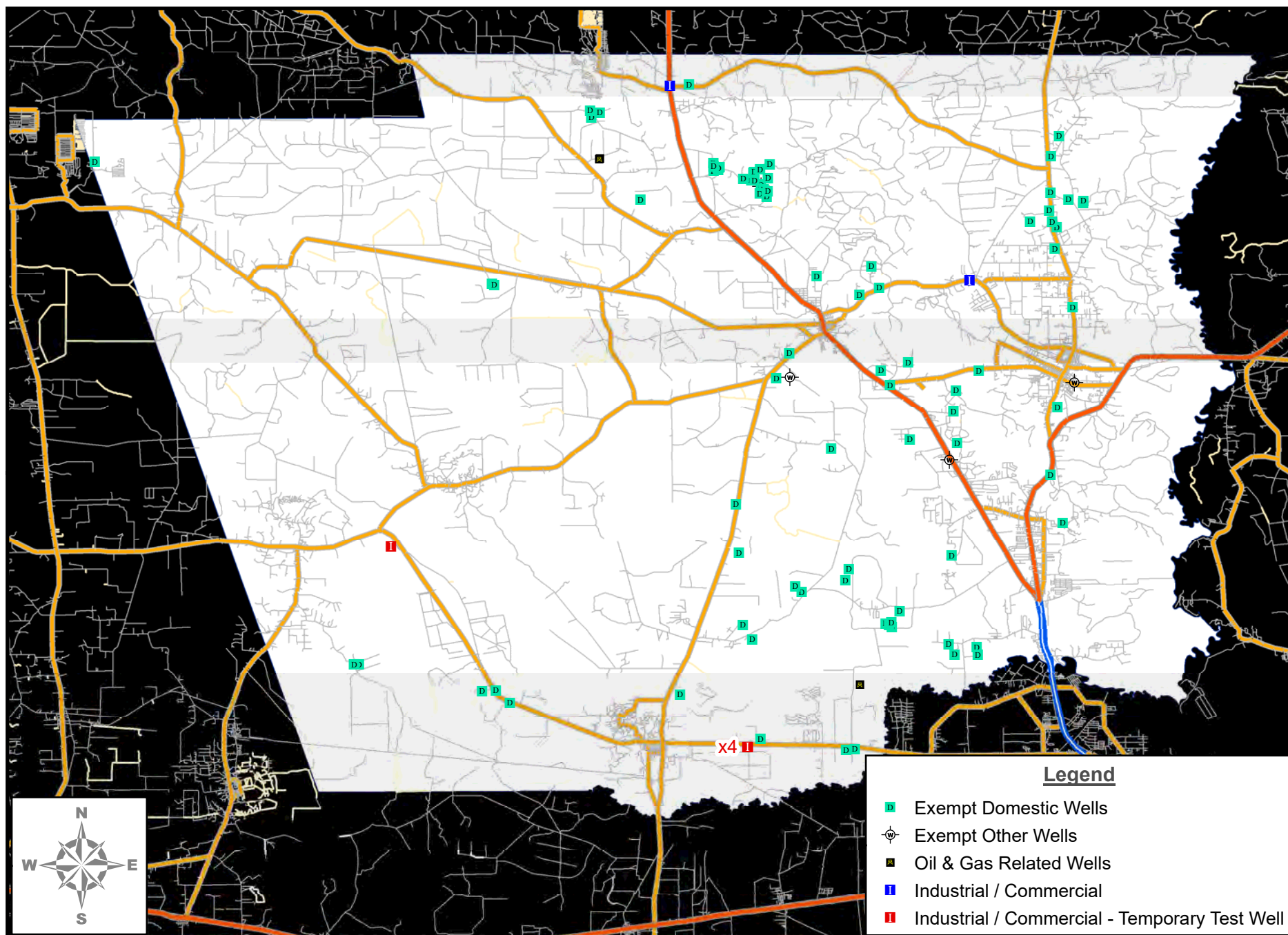
# Newton County - Exempt Domestic Wells 2023

DATE REGISTERED	COMMENT	OWNER LAST	OWNER FIRST	DRILLER LAST	DRILLER FIRST	AQUIFER	LAYER
12/08/2023	New Well		Joseph	Jones	Whit	<null>	<null>
12/18/2023	New Well		Teresa	Bishop	Nathan	<null>	<null>
12/31/2023	New Well		Matthew	Paskell	Keith	<null>	<null>

# Newton County - Exempt Other Wells 2023

DATE DRILLED	COMMENT	OWNER LAST	OWNER FIRST	DRILLER LAST	DRILLER FIRST	AQUIFER	LAYER
03/20/2023	New Well / Livestock		Mike	Turk	Mitch	Chicot	Beaumont
05/26/2023	Less Than 25,000 gpd		Scott	Bishop	Nathan	U/K	U/K
12/13/2023	New Well		Danny	Willoughby	Matt	<null>	<null>

# Wells Registered / Permitted in Hardin County - 2023



# Hardin County - Exempt Domestic Wells 2023

DATE REGISTERED	COMMENT	OWNER LAST	OWNER FIRST	DRILLER LAST	DRILLER FIRST	AQUIFER	LAYER
01/05/2023	New Well	Ronald	West	Randy	Chicot	Lissie	
01/05/2023	New Well	Dorothy	West	Randy	Chicot	Lissie	
01/07/2023	New Well	Jared	Turk	Mitch	Chicot	Lissie	
01/17/2023	New Well	Vickie	Paskell	Keith	Chicot	Willis	
02/20/2023	New Well	Joshua	Holmes	Kenneth	Chicot	Lissie	
02/22/2023	New Well	Ty - Rebecca	Jones	Whit	Chicot	Lissie	
02/28/2023	Old Well / Reg @ Req of Owner	Richard	N/A	N/A	<null>	<null>	
03/01/2023	New Well	Christina	Turk	Mitch	Chicot	Willis	
03/07/2023	New Well	Charlie	Paskell	Keith	Chicot	Lissie	
03/08/2023	New Well	Donnie	Paskell	Keith	Chicot	Lissie	
03/09/2023	New Well	Ricky	Turk	Mitch	Chicot	Lissie	
03/13/2023	New Well	Adam	Paskell	Keith	Chicot	Lissie	
03/14/2023	New Well	Sherrie	Paskell	Keith	Chicot	Lissie	
03/14/2023	New Well	Tim	Turk	Mitch	Chicot	Lissie	
03/14/2023	New Well	Lola	Holmes	Kenneth	Chicot	Lissie	
03/14/2023	New Well	Courtney	Jones	B. J.	Chicot	Lissie	
03/30/2023	New Well	Noah	Turk	Mitch	Chicot	Willis	
03/30/2023	New Well	Debra	Jones	Whit	Chicot	Lissie	
04/01/2023	New Well	Mickey	Turk	Mitch	Chicot	Lissie	
04/01/2023	New Well	Travis	Turk	Mitch	Chicot	Lissie	
04/01/2023	New Well	Bryan	Jones	Whit	Chicot	Beaumont	
04/03/2023	New Well	Clarence	Jones	Whit	Chicot	Willis	
04/04/2023	New Well	Arthur	Paskell	Keith	Chicot	Willis	
04/14/2023	New Well	Clint	Paskell	Keith	Chicot	Lissie	

# Hardin County - Exempt Domestic Wells 2023

DATE REGISTERED	COMMENT	OWNER LAST	OWNER FIRST	DRILLER LAST	DRILLER FIRST	AQUIFER	LAYER
04/20/2023	New Well / Developer		Kyle	Turk	Mitch	Chicot	Lissie
04/27/2023	New Well		Damon	Holmes	Kenneth	Chicot	Lissie
05/02/2023	New Well		Edwin	Jone	Whit	Chicot	Beaumont
05/02/2023	New Well		Gordon	West	Randy	Chicot	Lissie
05/03/2023	New Well / Developer		Kyle	Turk	Mitch	Chicot	Lissie
05/23/2023	New Well		Hunter	Turk	Mitch	Chicot	Lissie
05/31/2023	New Well		Frank	Turk	Mitch	Chicot	Lissie / Willis
06/01/2023	New Well		Victoria	Turk	Mitch	Chicot	Willis
06/12/2023	New Well		Dale	Gore	Dale	Chicot	Lissie
06/14/2023	New Well		Dustin	Holmes	Kenneth	Chicot	Lissie
06/16/2023	New Well		Gerry	Turk	Mitch	Chicot	Willis
06/20/2023	New Well		Freddy	Turk	Mitch	Chicot	Willis
06/26/2023	New Well		Richard	Turk	Mitch	Chicot	Lissie
07/05/2023	New Well		Thomas	Jones	Whit	Chicot	Lissie
07/06/2023	New Well		Josh	Jones	Whit	Chicot	Lissie
07/10/2023	New Well / Developer		S&C Builders	Paskell	Keith	Chicot	Lissie
07/12/2023	New Well		Steven	Turk	Mitch	Chicot	Lissie
07/13/2023	New Well		Ryan	Holmes	Kenneth	Chicot	Lissie
07/14/2023	New Well		Callan	Turk	Mitch	Chicot	Lissie
07/20/2023	New Well		Bryan	Turk	Mitch	Chicot	Willis
07/20/2023	New Well		Clifford	Paskell	Keith	Chicot	Lissie
07/23/2023	New Well		Luis	Turk	Mitch	Chicot	Lissie
07/24/2023	New Well / Developer		Will	Paskell	Keith	Chicot	Willis

# Hardin County - Exempt Domestic Wells 2023

DATE REGISTERED	COMMENT	OWNER LAST	OWNER FIRST	DRILLER LAST	DRILLER FIRST	AQUIFER	LAYER
07/27/2023	New Well	Diamond	Turk	Mitch	Chicot	Willis	
07/29/2023	New Well / Developer	Kyle	Turk	Mitch	Chicot	Lissie	
08/04/2023	New Well	Matthew	Gore	Dale	Chicot	Lissie	
08/05/2023	New Well	Mary	Gore	Dale	Chicot	Lissie	
08/08/2023	New Well	Aron	Turk	Mitch	Chicot	Willis	
08/08/2023	New Well	Raymond	Jones	Whit	Chicot	Lissie	
08/10/2023	New Well	Roy & Rita	Gore	Dale	Chicot	Lissie	
08/14/2023	New Well	Robert	Turk	Mitch	Chicot	Willis	
08/29/2023	New Well	Chad	Turk	Mitch	Chicot	Lissie	
09/01/2023	New Well	Gary	Paskell	Keith	Chicot	Lissie	
09/01/2023	New Well	Jason	Turk	Mitch	Chicot	Lissie	
09/06/2023	New Well	Andrew	Gore	Dale	Chicot	Lissie	
09/08/2023	New Well	Jaime	Turk	Mitch	Chicot	Lissie	
09/12/2023	New Well	Rodney	Turk	Mitch	Chicot	Willis	
09/14/2023	Replacement Well	Patti	Jones	Whit	Chicot	Lissie	
09/18/2023	New Well	Kevin	Turk	Mitch	Chicot	Lissie	
09/23/2023	New Well	Rodney	Turk	Mitch	Chicot	Willis	
09/28/2023	New Well	Marvis	Gore	Dale	Chicot	Lissie	
10/13/2023	New Well	Thomas	Gore	Dale	Chicot	Lissie	
10/18/2023	New Well	Shonda	Turk	Mitch	Chicot	Lissie	
10/20/2023	New Well	Tim	Turk	Mitch	Chicot	Willis	
10/22/2023	New Well	Kevin	West	Randy	<null>	<null>	
10/23/2023	New Well	Jason	Gore	Dale	<null>	<null>	
10/26/2023	New Well	Taylor	Holmes	Kenneth	Chicot	Lissie	
10/27/2023	New Well	Wyatt	Turk	Mitch	Chicot	Lissie	



# Hardin County - Exempt Domestic Wells 2023

DATE REGISTERED	COMMENT	OWNER LAST	OWNER FIRST	DRILLER LAST	DRILLER FIRST	AQUIFER	LAYER
10/30/2023	New Well	Shantal	Turk	Turk	Mitch	Chicot	Willis
11/08/2023	New Well	Richardo	Turk	Turk	Mitch	Chicot	Willis
11/09/2023	New Well	Olbray	Paskell	Paskell	Keith	Chicot	Lissie
11/10/2023	New Well	Hayden	Gore	Gore	Dale	Chicot	Lissie
11/16/2023	New Well	Rob	Turk	Turk	Mitch	Chicot	Lissie
11/20/2023	New Well / Rec. Reg. Late	Jason	Gore	Gore	Dale	Chicot	Lissie
12/04/2023	New Well	Elmer	Paskell	Paskell	Keith	Chicot	Lissie
12/06/2023	New Well	Dennis	Turk	Turk	Mitch	Chicot	Willis
12/08/2023	New Well	Kim	Gore	Gore	Dale	<null>	<null>
12/14/2023	New Well	Clarissa	Gore	Gore	Dale	<null>	<null>
12/14/2023	New Well	Michael	Holmes	Holmes	Kenneth	<null>	<null>
12/20/2023	New Well	Ryan	Turk	Turk	Mitch	Chicot	Lissie

# Hardin County - Exempt Other Wells 2023

DATE DRILLED	COMMENT	OWNER LAST	OWNER FIRST	DRILLER LAST	DRILLER FIRST	AQUIFER	LAYER
03/10/2023	Less Than 25,000 gpd		Thomas	Paskell	Keith	Chicot	Lissie
04/01/2023	New Well / Livestock		Mickey	Turk	Mitch	Chicot	Lissie / Willis
10/10/2023	New Well / Agri.		Ricky	Turk	Mitch	<null>	<null>
10/13/2023	New Well / Agri.	OATH, Inc	Gary Bartell	Turk	Mitch	Chicot	Lissie

# Hardin County - Oil & Gas Related Wells 2023

DATE REGISTERED	WELL OWNER	WELL NAME	DRILLING CO.	FRACKED?	PLUGGED	AQUIFER	LAYER
02/10/2023	Cimarron Engineering	Panzer 43 #1	Greak Water Wells	N	N	Chicot	Lissie
07/27/2023	Jamex, Inc.	Meteor #1	Fas-Line Services, Inc.	Y	N	Chicot	Lissie
11/30/2023	Jamex, Inc.	Meteor #1 WW2	Fas-Line Services, Inc.	Y	N	Chicot	Lissie / Willis

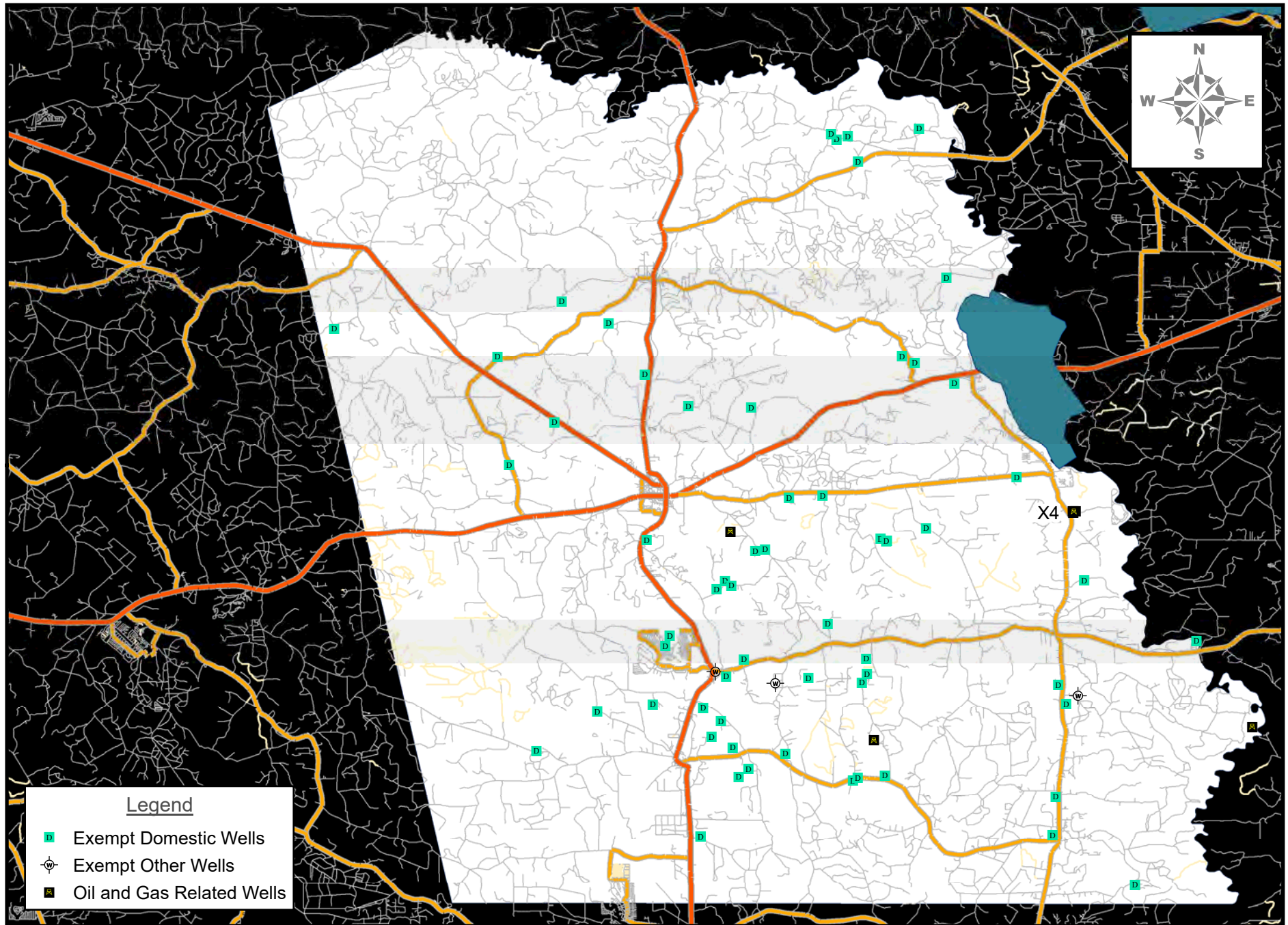
## Hardin County - Non-Exempt Industrial / Commercial Wells 2023

DATE PERMITTED	PERMITTEE	COMMENT	DRILLER LAST	DRILLER FIRST	AQUIFER	LAYER
08/24/2023	Trecora Hydrocarbons, LLC	New Well - permits adjusted	Guichard	Lance	Chicot	Lissie
10/12/2023	Village Mills Creek Property	New Well	TBD	TBD	<null>	<null>

## Hardin County - Non-Exempt Industrial / Commercial - Temporary Test Well

DATE DRILLED	PERMITTEE	COMMENT	DRILLER LAST	DRILLER FIRST	AQUIFER	LAYER
NYD	Pine Bayou Holding	Test Well	Foster	Donald	TBD	TBD
01/10/2023	City Sour Lake	Test Well	J&S Water Well		Chicot	Willis
01/31/2023	City Sour Lake	Test Well	J&S Water Well		Chicot	Lissie
02/06/2023	City Sour Lake	Test Well	J&S Water Well		Chicot	Lissie
07/31/2023	Trecora Specialty Hydrocarbons	Test Well	Guichard	Lance	Chicot	Lissie
10/14/2023	City Sour Lake	Test Well	J&S Water Well		Chicot	Willis

# Wells Registered in Tyler County - 2023



# Tyler County - Exempt Domestic Wells 2023

DATE REGISTERED	COMMENT	OWNER LAST	OWNER FIRST	DRILLER LAST	DRILLER FIRST	AQUIFER	LAYER
01/09/2023	New Well		Kenneth	Turk	Mitch	Chicot	Willis
01/10/2023	New Well		Ana	Holmes	Kenneth	Chicot	Willis
01/20/2023	New Well		David	Turk	Mitch	Chicot	Lissie
01/24/2023	New Well		Barbara	Gore	Dale	Chicot	Willis
02/10/2023	New Well		Sharon	Gore	Dale	Chicot	Willis
02/10/2023	New Well		Heather	Gore	Dale	Chicot	Willis
02/22/2023	New Well		Donalyn	Gore	Dale	Chicot	Willis
02/22/2023	New Well		David	Gore	Dale	Chicot	Willis
02/24/2023	New Well		David	Jones	Whit	Chicot	Lissie
03/06/2023	New Well		Kevin	Gore	Dale	U/K	U/K
03/09/2023	New Well		Michael	Gore	Dale	Chicot	Willis
03/23/2023	New Well		Joshua	Jones	B. J.	Jasper	Oakville
03/24/2023	New Well		Jesse	Jones	B. J.	U/K	U/K
04/17/2023	New Well		Heather	Gore	Dale	Chicot	Willis
04/25/2023	New Well		Joseph	Holmes	Kenneth	Jasper	Lower Lagarto
05/02/2023	New Well		Ray	Gore	Dale	Chicot	Willis
05/04/2023	New Well		Steve and Anna	Gore	Dale	Jasper	Lower Lagarto
05/08/2023	New Well		Michael	Gore	Dale	Jasper	Lower Lagarto
05/16/2023	New Well		Jim	Turk	Mitch	Chicot	Willis
05/16/2023	New Well		William	Jones	Whit	Jasper	Lower Lagarto
05/18/2023	New Well		Shyanne	Paskell	Keith	Chicot	Lissie / Willis
05/19/2023	New Well		Blake	Turk	Mitch	Chicot	Willis
06/06/2023	New Well		Justin	Turk	Mitch	Chicot	Willis
06/07/2023	New Well		Chance	Turk	Mitch	Chicot	Willis
06/07/2023	New Well		Craig	Holmes	Kenneth	Chicot	Willis

# Tyler County - Exempt Domestic Wells 2023

DATE REGISTERED	COMMENT	OWNER LAST	OWNER FIRST	DRILLER LAST	DRILLER FIRST	AQUIFER	LAYER
06/07/2023	New Well		Craig	Holmes	Kenneth	Chicot	Willis
06/08/2023	New Well		Jay	Turk	Mitch	Chicot	Willis
06/12/2023	New Well		Hellen	Gore	Dale	Chicot	Lissie / Willis
06/13/2023	New Well		Breann	Gore	Dale	Chicot	Willis
06/15/2023	New Well		Carrie	Gore	Dale	U/K	U/K
07/20/2023	New Well		Sarah and Chris	Ballard	Sam	Chicot	Willis
07/21/2023	New Well		Turner	Gore	Dale	Chicot	Willis
07/21/2023	New Well		David	Gore	Dale	Chicot	Willis
07/22/2023	Replacement Well		Blake	Turk	Mitch	Chicot	Willis
07/26/2023	New Well		Dorothy	Holmes	Kenneth	Chicot	Willis
07/27/2023	New Well		JoAnne	Gore	Dale	Chicot	Lissie
08/02/2023	New Well		Ken and Sherry	Gore	Dale	Chicot	Lissie
08/09/2023	New Well		Lane	Gore	Dale	U/K	U/K
08/14/2023	New Well		Bart	Paskell	Keith	Chicot	Willis
08/16/2023	New Well / Reg. Late		Ken	Gore	Dale	Jasper	Lower Lagarto
08/17/2023	New Well		Phillip	Gore	Dale	Chicot	Willis
08/18/2023	New Well		Justin	Jones	Whit	Chicot	Willis
08/18/2023	New Well		Jerry	Holmes	Kenneth	Jasper	Lower Lagarto
08/21/2023	New Well		Jonathan	Gore	Dale	Chicot	Lissie
08/22/2023	New Well		Arlana	Turk	Mitch	Chicot	Lissie
08/24/2023	New Well		Trina	Turk	Mitch	Chicot	Willis
08/28/2023	New Well		Cathy & Russell	Holmes	Kenneth	Chicot	Willis
09/06/2023	New Well		Eric	Gore	Dale	Jasper	Lower Lagarto
09/11/2023	Replacement Well		Brett	Gore	Dale	U/K	U/K
09/15/2023	New Well		Doug	Gore	Dale	Chicot	Lissie

# Tyler County - Exempt Domestic Wells 2023

DATE REGISTERED	COMMENT	OWNER LAST	OWNER FIRST	DRILLER LAST	DRILLER FIRST	AQUIFER	LAYER
09/19/2023	New Well		Israel	Gore	Dale	Jasper	Oakville
09/25/2023	New Well / Reg Late		Lynn and Brian	Jones	B.J.	U/K	U/K
10/07/2023	New Well		Merlin	Bell	Evan	Chicot	Willis
10/10/2023	New Well		Greg	Gore	Dale	Jasper	Oakville
10/16/2023	New Well		Shay	Gore	Dale	U/K	U/K
10/18/2023	New Well		Roy	Holmes	Kenneth	Chicot	Willis
10/30/2023	New Well		Casey	Gore	Dale	U/K	U/K
11/09/2023	New Well		TJ	Jones	Bobby	<null>	<null>
11/28/2023	Replacement Well		Doug	Turk	Mitch	Chicot	Willis
12/12/2023	New Well		Paul	Jones	Bobby	<null>	<null>
12/13/2023	New Well		Kevin	Gore	Dale	<null>	<null>
12/28/2023	New Well		Jeff and Susan	Gore	Dale	<null>	<null>



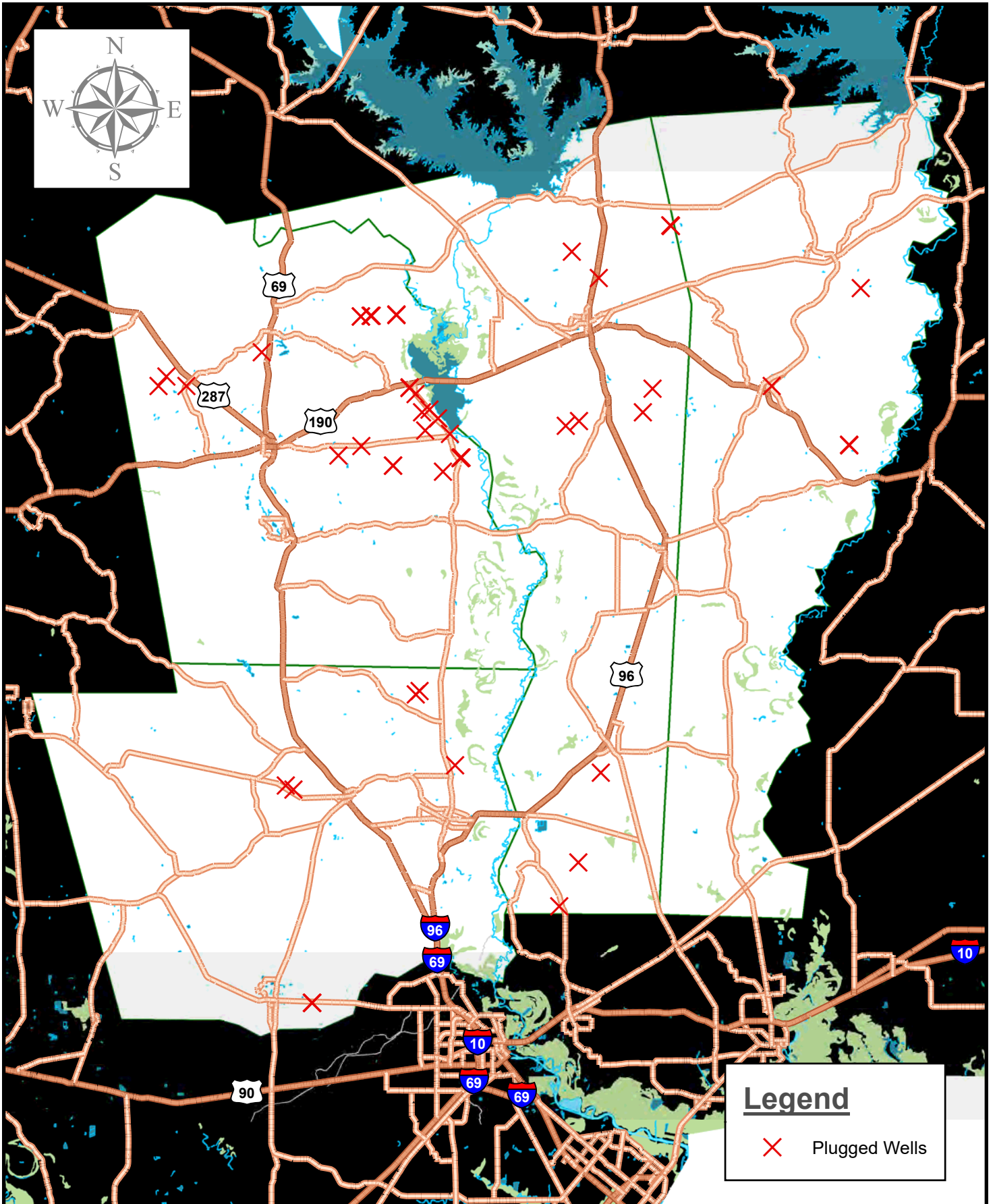
# Tyler County - Exempt Other Wells 2023

DATE DRILLED	COMMENT	OWNER LAST	OWNER FIRST	DRILLER LAST	DRILLER FIRST	AQUIFER	LAYER
04/03/2023	New Well / Agr.		Tony	Gore	Dale	Chicot	Lissie
08/08/2023	New Well / Church	Hillister Baptist Church	C/o B.A. Smith	Holmes	Kenneth	Chicot	Willis
09/30/2023	New Well / Agri.		Darr and Jasmine	Turk	Mitch	<null>	<null>

# Tyler County - Oil & Gas Related Wells 2023

DATE REGISTERED	WELL OWNER	WELL NAME	DRILLING CO.	FRACKED?	PLUGGED	AQUIFER	LAYER
01/06/2023	Palisades Exp, LLC	BP A-14	J&S Water Wells	N	N	Chicot	Lissie
01/12/2023	Palisades Exp, LLC	BP A-850	J&S Water Wells	N	N	Chicot	Willis
05/23/2023	Navidad Operating	Hooper 2H	Pinnergy LTD	Y	N	Chicot	Willis
09/12/2023	Navidad Operating	South Steinhagen 1H	Pinnergy LTD	Y	N	Chicot	Willis
10/04/2023	Navidad Operating	South Steinhagen 1H	Pinnergy LTD	Y	Y	N/A	N/A
10/07/2023	Navidad Operating	South Steinhagen 1H	Fas-Line Services	Y	Y	N/A	N/A
10/30/2023	Navidad Operating	South Steinhagen 1H	Pinnergy LTD	Y	Y	N/A	N/A

# Plugged Wells - 2023



# Plugged Wells - District Wide - 2023

IDENT	OWNER LAST	OWNER FIRST	COMPANY	DATE PLUGGED
Newton County				<null>
Newton County				<null>
Vastar Fee A-311			RKI Energy	
Warren J		James		01/05/2023
Romano CJ		CJ		01/14/2023
Beech Creek #1			Atlas Operating, LLC	02/12/2023
Beech Creek 4W			Atlas Operating, LLC	02/12/2023
BP America 469 #1			BPX Operating	02/13/2023
Merritt #1H			Navidad Operating	02/17/2023
Lake Tejas #4 WL #2			Zarvona - BBX Operating	03/22/2023
Lake Tejas #4 WL #1			Zarvona - BBX Operating	03/22/2023
Lake Tejas #1 WL 1			Zarvona - BBX Operating	03/22/2023
Lake Tejas #1 WL 2			Zarvona - BBX Operating	03/22/2023
Lake Tejas 5 WL #1			Zarvona - BBX Operating	03/22/2023
Lake Tejas 5 WL #2			Zarvona - BBX Operating	03/22/2023
Tucker 2H			Ergon Energy Partners	04/05/2023
BP Blackston A727 B-1			Zarvona	04/18/2023
Roganville Turner 31-1			Zarvona	04/18/2023
BP Blackstone A-263 #1			Zarvona	04/18/2023
Blackstone A-400			Zarvona	04/18/2023
NewtonCountyBurkeville			Newton County	05/20/2023
CD 5lb Bass #2			Zarvona Energy, LLC	06/12/2023
CD 5lb Bass #1			Zarvona Energy, LLC	06/12/2023
Gunter 1-H			Zarvona Energy, LLC	06/12/2023
Brown A-29 1H			Zarvona Energy, LLC	06/12/2023
Gunter #2			Zarvona Energy, LLC	06/12/2023
Drake R		Richard and Donna	<null>	06/14/2023
Vastar Fee 215			RKI Energy	07/18/2023
Donner Brown A-356 #2			RKI Energy	07/18/2023
Donnor Brown A-356 #1			RKI Energy	07/18/2023

# Plugged Wells - District Wide - 2023

IDENT	OWNER LAST	OWNER FIRST	COMPANY	DATE PLUGGED
City of Newton (old #2)			City of Newton	07/31/2023
BP America A893 #1			Zarvona Energy, LLC	08/02/2023
BS A371-1			Zarvona Energy, LLC	08/02/2023
BP America A437-1			Zarvona Energy, LLC	08/02/2023
Hancock #2H			Navidad Operating	08/08/2023
BS Sutton A9-1		<null>	Zarvona Energy, LLC	08/09/2023
Wilburn 1			Zarvona Energy, LLC	08/09/2023
BS Minerals A-36 #2			Zarvona Energy, LLC	08/10/2023
BS Minerals A-36 #1			Zarvona Energy, LLC	08/10/2023
USACE			U.S. Army Corp of Eng.	08/24/2023
J3 Metal Recycling			J3 Metal Recycling	09/05/2023
			Navidad Operating Co.	09/18/2023
			Navidad Operating Co.	09/19/2023
			Navidad Operating Co.	10/03/2023
Greenwood D		Doug		11/29/2023
Greenwood D		Doug		11/29/2023
Sour Lake Test Well			City of Sour Lake	12/06/2023
Sour Lake Test Well			City of Sour Lake	12/06/2023
Sour Lake Test Well			City of Sour Lake	12/06/2023

# GOAL 4.2

## CONTROLLING AND PREVENTING THE WASTE OF GROUNDWATER IN THE DISTRICT

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### 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.*
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### OBJECTIVE 1

In 2023 the District spent considerable time reviewing, evaluating, and discussing the District's Rules in general, as well as specifically in an effort to decrease the amount of waste. Attached are copies of the District's July 13, 2023, September 14, 2023, and November 9, 2023 meeting notices/agendas as well as the minutes of those meeting at which the District's Rules were discussed and evaluated (Agenda Items 8, 7, and 7 respectively). On November 9, 2023 after a public hearing, the District approved numerous changes to the District's Rules including new requirements mandated by way of the latest regular legislative session, however, no changes were made that specifically addressed decreasing the amount of waste of groundwater.

### OBJECTIVE 2

A copy of the article titled "Plan Ahead: - Conserve Water – Reduce Summertime Waste" was posted on the District's "Conservation" webpage and was also submitted to six local

## GOAL 4.2

newspapers\* for publication on September 25, 2023. The article was also published in the Fall 2023 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 section as well as in Goal 4.7 and is also included in the SETGCD Well Monitor newsletter in Appendix A (Tab 12).

The District continues to provide electronic copies of three informative water conservation pamphlets on the District's "Conservation" webpage: *Household Water Use and Ways to Save, Water is Limited. Save Some Today, 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 provided to the owner of each new well registered within the District.

\*After submittal of the article to the newspapers it was learned that the East Texas Banner and the Newton County News were no longer publishing.

# Southeast Texas Groundwater Conservation District

**NOTICE** is given that the Board of Directors of the Southeast Texas Groundwater Conservation District will hold a public hearing and monthly board meeting on Thursday July 13, 2023 starting at 10:00 a.m., at the Jasper County Courthouse Annex Building, Emergency Operations Center (2<sup>nd</sup> floor), at 271 East Lamar, Jasper, Texas 75951 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. Swearing in of new Director;
3. Public comment;
4. Discussion and possible action to approve the minutes of the June 8, 2023 Board meeting;
5. Discussion and possible action regarding the monthly Treasurer's Report and approval of payables presented;
6. Presentation of the District's 2<sup>nd</sup> Quarter 2023 Investment Report;
7. Discussion and possible action regarding investment CDs maturing in July;
8. Discussion and possible action regarding potential changes to the District's Rules including but not limited 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. Manager's Report to include: Update regarding City of Newton's new/replacement well, update regarding Dennis Holmes, update regarding Chris Tyre and Clear Sky Investments, update on SB 2052, TML workers compensation policy increase, TWDB "Roundtables" regarding GMAs and RWPGs, SB 1893 (TikTok bill), and drought conditions;
10. Establish date, time and place of next meeting; and
11. Meeting adjourned.

*These public meetings are available to all persons regardless of disability. If you require special assistance to attend the meeting please contact the Southeast Texas Groundwater Conservation District, (409) 383-1577, at least three working days prior to the meeting so that appropriate arrangements can be made.*



**Southeast Texas Groundwater Conservation District**  
**July 13, 2023, Meeting Minutes**  
**Jasper County Courthouse Annex Building**  
**Emergency Operations Center 2<sup>nd</sup> Floor**  
**Jasper, Texas**

**Directors Present:**

Roger Fussell, President  
Sam Ashworth  
Steven Black  
Greg Kelley  
Thomas Hawthorne  
Ken Jobe  
Billy Ted Smith  
Robb Starr  
Charles Zimmerman

John Martin, General Manager

**Directors Absent:**

Olen Bean, Vice President  
Bobby Rogers, Sec. / Treasurer  
Cody Jones  
Rick Russler

**Regular Board Meeting:**

1. Call to order: At 10:04 a.m. President Fussell brought to order the regular meeting of the Southeast Texas Groundwater Conservation District and asked Director Ashworth to give an invocation. President Fussell then asked Manager Martin to conduct roll call, and a quorum was confirmed with 8 Directors present, 4 Director absent, and 1 Director (Mr. Steven Black) to be sworn in as the first item of business.

2. Swearing in of new Director: Manager Martin introduced Mr. Steven Black. He stated that the Jasper County Commissioner's Court appointed him to replace Ms. Turner at their commissioner's court meeting earlier that week. He also noted that the Court appointed Mr. Black to the remaining portion of Ms. Turner's 3-year term and approved appointing him for the next 3 year term of January 1, 2024 through December 31, 2026.

Mr. Black took the Oath of Office and was officially sworn in.

3. Public comment: Ms. Julia Ashworth was in attendance but offered no comments.

4. Discussion and possible action to approve the minutes of the June 8, 2023 Board meeting: Director Smith made motion to approve the June 8, 2023 minutes as presented. Director Starr seconded the motion. The motion passed unanimously.

5. Discussion and possible action regarding the monthly Treasurer's Report and approval of payables presented: Manager Martin gave a thorough review of the District's July 2023 Treasurer's Report. He reviewed each of the District's account balances, the monthly payables, and the expected FNB operating account balances after July payables have been disbursed. He noted one minor change in the amount of the AT&T payable (an increase of

\$1.21 for a total of \$146.21). Manager Martin pointed out that our legal fees were quite high for the year but that the other expense categories were tracking as expected.

Director Jobe made motion to approve the Report and payables presented, including the change to the AT&T payable. Director Smith seconded the motion. The motion passed unanimously.

6. Presentation of the District's 2<sup>nd</sup> Quarter 2023 Investment Report: Manager Martin reviewed the 2<sup>nd</sup> Quarter 2023 Investment Report including deposits and withdrawals, interest earned and deposited, ending balances, and interest rates for each of the District's accounts. He noted that while reviewing the documents that morning he discovered an error in the WAM calculation. He pointed out that the original amount used to calculate the WAM was off by 3 digits and that the correct WAM calculation was 80.11. Manager Martin then noted Meeting Material Items 6a – 6d, which included the WAM calculation form, the State Comptrollers Lists and the latest Texpool S&P ratings, which continue to be AAA for both accounts.

7. Discussion and possible action regarding investment CDs maturing in July: Manager Martin pointed out that the two smaller CDs at Education First, as noted in the Investment Report, will mature on July 22, 2023. He informed the Board of the current CD rates locally. He noted that 5 Point was still the highest for new money on a 1-year CD, but that they had turned down our business in May after reviewing our Investment Policy.

Manager Martin was confident that Education First would either match the current rate as they did in May or that he would secure the 9-month special rate Education First was currently running for 9 month CDs at 4.55%. Director Smith made a motion to authorize Manager Martin to use best management practices in purchasing new CDs with the funds from the maturing CDs. The motion was seconded by Director Starr. The motion passed unanimously.

8. Discussion and possible action regarding potential changes to the District's Rules including but not limited 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 noted that the Board is required to discuss the District's rules each year with the intent of determining if the Rules could be amended to decrease the amount of waste of groundwater. He stated that he did not have any recommendation for rule changes relating to decreasing the amount of waste and asked the Board if anyone had suggestions of their own. No recommendations were made regarding the reduction of waste of groundwater.

Manager Martin did state that he does have recommendations for a change to the District's Rules. He noted that HB 2443 was a bill that passed this legislative session and requires districts to implement procedures that allow for a person to petition the District for a change to its rules. Manager Martin noted that he utilized language that was developed by the Texas Alliance of Groundwater Districts (TAGD) and modified it slightly and had included it as Section 13 of the District Rules. He reminded the Board that rule changes required a public hearing, with at least a 20-day notice, prior to making any changes. He stated that he would schedule that hearing for later this year. Manager Martin noted that since they would be holding a public hearing for the change to include procedures allowing for a petition to change district rules, that he would review the full body of the Rules with the intent of making

recommendations that would provide clarification to any rule that may be better understood with improved language.

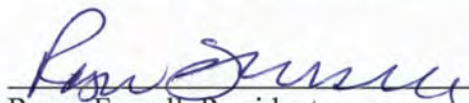
President Fussell asked if anyone had any questions or recommendations, and hearing none he recommended the item be tabled at this time.


9. Manager's Report to include: Update regarding City of Newton's new/replacement well, update regarding Dennis Holmes, update regarding Chris Tyre and Clear Sky Investments, update on SB 2052, TML workers compensation policy increase, TWDB "Roundtables" regarding GMAs and RWPGs, SB 1893 (TikTok bill), and drought conditions: Manager Martin briefly reviewed his written Manager's Report. Manager Martin noted that regarding TML and the District's Workers Compensation coverage that he was still waiting for a quote from the Texas Water Conservation Association (TWCA) which provides a coverage pool for its members. He also noted that with the passage of SB 1893 (TikTok bill) the District would likely be making changes to its iPad Policy and that if anyone currently has the TikTok app on their District provided iPad they should remove it.

Manager Martin also made note of Meeting Material Item 9b which are photos of the installation of a static water level monitoring device. He stated that the Texas Water Development Board (TWDB) with cooperation from the District, installed a transducer in the old East Texas WSC static water level monitor well and that the data was now available on the State's website and is updated daily. He stated that he was continuing to work with the TWDB to find suitable sites in Hardin and Tyler Counties as well (noting that Jasper County already has a linked site near the paper mill) and noted that approval has been given to install a transducer at the City of Woodville's static water level observation well. Director Zimmerman inquired as to the cost of these monitoring device stations and Manager Martin stated that it was his understanding that they typically cost between \$3,500 and \$5,000 depending on the set up.

10. Establish date, time and place of next meeting: President Fussell stated that August was one of our holiday months and that unless something arose that needed the District's attention, the next regularly scheduled meeting would be September 14, 2023.

11. Meeting adjourned at: 10:49

  
Roger Fussell, President

  
Bobby Rogers – Secretary/Treasurer

Date: September 14, 2023

# Southeast Texas Groundwater Conservation District

**NOTICE** is given that the Board of Directors of the Southeast Texas Groundwater Conservation District will hold a public hearing and monthly board meeting on Thursday September 14, 2023 starting at 10:00 a.m., at the Jasper County Courthouse Annex Building, Emergency Operations Center (2<sup>nd</sup> floor), at 271 East Lamar, Jasper, Texas 75951 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;
3. Discussion and possible action to approve the minutes of the July 13, 2023 Board meeting;
4. Discussion and possible action regarding the monthly Treasurer's Report and approval of payables presented;
5. Update, discussion and possible action regarding re-investment of CDs at Education First that matured on July 22, 2023;
6. Discussion/update regarding recently issued operating permits, including Blue Topaz Utilities (f/k/a Water Necessities), Trecora Hydrocarbons, and Energy Transfer;
7. Discussion and possible action regarding potential changes to the District's Rules including but not limited 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;
8. Manager's Report to include: Update regarding City of Newton's new/replacement well, update regarding Dennis Holmes, update regarding Chris Tyre and Clear Sky Investments, update on SB 2052, TML risk policy increases, TX Health Benefits (f/k/a TML Employee Benefits) policy increase, TAGD conference, and drought conditions;
9. Establish date, time and place of next meeting; and
10. Meeting adjourned.

*These public meetings are available to all persons regardless of disability. If you require special assistance to attend the meeting please contact the Southeast Texas Groundwater Conservation District, (409) 383-1577, at least three working days prior to the meeting so that appropriate arrangements can be made.*

**Southeast Texas Groundwater Conservation District  
September 14, 2023, Meeting Minutes  
Jasper County Courthouse Annex Building  
Emergency Operations Center 2<sup>nd</sup> Floor  
Jasper, Texas**

**Directors Present:**

Roger Fussell, President  
Olen Bean, Vice President  
Bobby Rogers, Sec. / Treasurer  
Sam Ashworth  
Greg Kelley  
Cody Jones  
Rick Russler  
Billy Ted Smith  
Charles Zimmerman

John Martin, General Manager

**Directors Absent:**

Steven Black  
Thomas Hawthorne  
Ken Jobe  
Robb Starr

**Regular Board Meeting:**

1. Call to order: At 10:04 a.m. President Fussell brought to order the regular meeting of the Southeast Texas Groundwater Conservation District and asked Treasurer Rogers to give an invocation. President Fussell then asked Manager Martin to conduct roll call, and a quorum was confirmed with 9 Directors present and 4 Director absent. *(Director Smith left the meeting at approximately 10:45 due to another meeting engagement.)*
2. Public comment: President Fussell noted that there were no members of the public in attendance.
3. Discussion and possible action to approve the minutes of the July 13, 2023 Board meeting: President Fussell asked if anyone had any questions or needed additional time to review the July meeting minutes. Vice President Bean made motion to approve the July 13, 2023 minutes as presented. Director Kelley seconded the motion. The motion passed unanimously.
4. Discussion and possible action regarding the monthly Treasurer's Report and approval of payables presented: Treasurer Rogers gave a thorough review of the District's September 2023 Treasurer's Report. He reviewed each of the District's account balances, the monthly payables, and the expected FNB operating account balances after September payables have been disbursed.

Manager Martin noted that the profit & loss vs. actual report continues to show a large revenue shortfall for Hardin County due to the over reporting and payment from the City of Beaumont in 2022. Vice President Bean inquired as to if/when the City of Beaumont would be back to regular production fee submittals. Manager Martin stated that he had expected that it would be back to normal after the 2<sup>nd</sup> quarter but that even though the City had recouped its fee credit

on file, their production was greatly reduced. He noted that in April the City pumped nearly nothing and only a few million gallons in May. Pumping was getting back to something near normal in June, but was still far below what he would have expected.

Director Smith made motion to approve the Treasurer's Report and payables presented. Director Ashworth seconded the motion. The motion passed unanimously.

5. Update, discussion and possible action regarding re-investment of CDs at Education First that matured on July 22, 2023: Manager Martin stated that Education First significantly increased their 1 year CD rate for the District, matching the higher rates being offered at a couple of other local banks. He noted that the CDs rolled over to a new 1-year rate of 4.65%

Vice President Bean made motion to ratify the choice of allowing the CDs to roll-over at Education First. Director Smith seconded the motion. The motion passed unanimously.

6. Discussion/update regarding recently issued operating permits, including Blue Topaz Utilities (f/k/a Water Necessities), Trecora Hydrocarbons, and Energy Transfer: Manager Martin briefly reviewed his Manager's Report relating to this item providing general information on all three entities. He noted that no action was necessary and that he included it as a separate item from his general "Manager's Report" section because he thought it significant to point out that although 2 new wells were permitted, the overall amount of permitted groundwater was reduced by over 1,000 acre feet per year.

7. Discussion and possible action regarding potential changes to the District's Rules including but not limited 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 review his recommended changes as highlighted in the draft proposed District Rule changes (meeting material Item 8). He noted that at this time these draft changes were only for discussion. He also noted that, with regard to Section 5.4(k) and the requirement of hydrogeologic reports, he hadn't made any specific draft recommendation but that he was researching the method in which the Bluebonnet GCD handles this and thinks the District might be able to utilize the same process. Manager Martin stated that he would be meeting with Zach Holland, Bluebonnet's General Manager, in a couple weeks to learn more about specifics of their process.

After some discussion, President Fussell inquired whether the next step would be to schedule the public hearing. Manager Martin stated that he thought it would be better to spend a little more time working on the proposed changes and that to schedule it for our November meeting date. He also noted that the new rules outlining the Rule Petition Process were required by statute to be adopted within 90 days of the effective date of the Bill (90 days from September 1, 2023).

8. Manager's Report to include: Update regarding City of Newton's new/replacement well, update regarding Dennis Holmes, update regarding Chris Tyre and Clear Sky Investments, update on SB 2052, TML risk policy increases, TX Health Benefits (f/k/a TML Employee Benefits) policy increase, TAGD conference, and drought conditions: Manager Martin gave a brief review of his written Manager's Report. He stated that he hadn't spoken with the City of Newton in sometime regarding the replacement/new well. He asked Director

Jones if he had an update and Director Jones stated that the well was not online yet and that they were waiting for a pump. Manager Martin inquired about where they were with the hydrogeologic report and Director Jones stated that he was unsure at this time.

10. Establish date, time and place of next meeting: President Fussell stated that the next regularly scheduled meeting would be October 12, 2023.

11. Meeting adjourned at: 10:55

  
\_\_\_\_\_  
Roger Fussell, President

  
\_\_\_\_\_  
Bobby Rogers – Secretary/Treasurer

Date: October 12, 2023

# Southeast Texas Groundwater Conservation District

**NOTICE** is given that the Board of Directors of the Southeast Texas Groundwater Conservation District will hold a public hearing and monthly board meeting on Thursday November 9, 2023 starting at 10:00 a.m., at the Jasper County Courthouse Annex Building, Emergency Operations Center (2<sup>nd</sup> floor), at 271 East Lamar, Jasper, Texas 75951 in accordance with the Texas Open Meeting Act, Chapter 551 of the Texas Government Code or (as amended).

Public Hearing 10:00 a.m.

**NOTICE** is given that the Southeast Texas Groundwater Conservation District (“District”) will hold a Public Hearing on Thursday November 9, 2023, at the Jasper County Courthouse Annex Building, Emergency Operations Center (2<sup>nd</sup> floor), at 271 East Lamar, Jasper, Texas 75951. The Public Hearing is to hear comments on the proposed changes the District Rules.

The proposed changes to the District Rules can be reviewed on the District’s website at: <https://setgcd.org/rules/> or at the District Office, located at the Jasper County Courthouse Annex Building, 271 East Lamar, Suite 202, Jasper, Texas 75951. Further information can be obtained by contacting the District at P.O. Box 1407, Jasper, Texas 75951; phone number (409) 383-1577.

## **Public Hearing – 10:00 AM**

1. Open public hearing;
2. Receive public comments regarding proposed changes to the District Rules;
3. Close public hearing.

## **Regular Board Meeting – to begin immediately following the public hearing:**

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

1. Call to order;
2. Public comment;
3. Discussion and possible action to approve the minutes of the October 12, 2023 Board meeting;
4. Discussion and possible action on the monthly Treasurer’s Report and approval of payables presented;
5. Review, discuss and ratify approved changes to 2024 budget;
6. Discussion and possible action regarding District Rule violations by local licensed water well driller Bobby Jones and Dillin Payne;
7. Discussion and possible action regarding potential changes to the District’s Rules;
8. Discussion and possible action regarding Daniel Ayre’s request for an extension on his drilling permit;
9. Manager’s Report to include: latest GMA 14 and RWPG meetings, SB 49/HB 141 bills allowing SETGCD to increase maximum production fee, and drought conditions;
10. Establish date, time and place of next meeting; and,
11. Meeting adjourned.

*These public meetings are available to all persons regardless of disability. If you require special assistance to attend the meeting please contact the Southeast Texas Groundwater Conservation District, (409) 383-1577, at least three working days prior to the meeting so that appropriate arrangements can be made.*



**Southeast Texas Groundwater Conservation District  
November 9, 2023, Public Hearing and Regular Board Meeting Minutes  
Jasper County Courthouse Annex Building  
Emergency Operations Center 2<sup>nd</sup> Floor  
Jasper, Texas**

**Directors Present:**

Olen Bean, Vice President  
Cody Jones  
Thomas Hawthorne  
Rick Russler  
Billy Ted Smith  
Robb Starr  
Charles Zimmerman

**Directors Absent:**

Roger Fussell, President  
Bobby Rogers, Sec./Treasurer  
Sam Ashworth  
Steven Black  
Ken Jobe  
Greg Kelley

John Martin, General Manager

**Public Hearing (for public comments regarding proposed District Rule changes):**

1. At 10:00 am Vice President Bean brought the public hearing to order.
2. Vice President Bean noted that there were no members of the public present.
3. At 10:00 Vice President Bean adjourned the public hearing.

**Regular Board Meeting:**

1. Call to order: At 10:00 a.m. Vice President Bean brought to order the regular meeting of the Southeast Texas Groundwater Conservation District and asked Manager Martin to conduct roll call. A quorum was confirmed with 7 Directors present and 6 Directors absent. Vice President Bean began the meeting by giving an invocation.
2. Public comment: Vice President Bean asked if anyone was present who wanted to provide public comment. It was noted that Dillin Payne was in attendance for Agenda Item 6, but did not wish to provide any general comments (*no public comments were received*).
3. Discussion and possible action to approve the minutes of the October 12, 2023 Board meeting: Director Smith made motion to approve the September 14, 2023 minutes as presented. Director Starr seconded the motion. The motion passed unanimously.
4. Discussion and possible action regarding the monthly Treasurer's Report and approval of payables presented: Vice President Bean noted Treasurer Rogers' absence and asked Manager Martin to provide the November Treasurer's Report. Manager Martin gave a thorough review of the District's November 2023 Treasurer's Report reviewing each of the District's account balances, the monthly payables, and the expected FNB operating account balance after November payables have been disbursed. Director Starr made motion to approve the report and payables as presented. Director Hawthorne seconded the motion. The motion passed unanimously.

5. Review, discuss and ratify approved changes to 2024 budget: Manager Martin reviewed the adopted/updated budget. He explained to those who were not in attendance at the October meeting that the Board moved to approve the 2024 budget. The Board then had a closed session to discuss his annual performance review, after which the Board moved to approve a 5% raise as well as continuing to cover healthcare costs for both he and his spouse. The Board asked that he update the budget with all the necessary changes related to the salary increase and asked that a separate line item be included to track the spouse's healthcare costs.

Manager Martin noted that he was able to reduce the healthcare costs that had been in the original adopted 2024 budget, noting the expense is expected to be approximately \$6,000 less than if they had stayed with TML Health.

After a short discussion, Director Starr made motion to ratify the changes to the 2024 budget. Director Smith seconded the motion. The motion passed unanimously.

6. Discussion and possible action regarding District Rule violations by local licensed water well driller Bobby Jones and Dillin Payne: Vice President Bean asked Manager Martin to review his written Manager's Report regarding this item. Manager Martin explained that Dillin and B.J.'s Water Wells has had several violations in the past and that his recommendation would be more substantive than in the past related to the failure of submitting paperwork (in this case failure to submit registrations prior to drilling for the Lucas Babbins well and Lynn Fountain well). He then reviewed the penalty calculations he made using the penalty matrix as well as a penalty schedule utilized by another groundwater conservation district. Manager Martin recommended consideration of the amount in the penalty schedule which is \$1,500 per violation and since there are two violations, a total penalty of \$3,000.

He noted that the Board could take action on this item now or table it for another meeting if they wanted to discuss the issue behind closed doors because it is a potential civil action.

Director Smith inquired as to possibly taking this to a closed session to discuss at a later date. Vice President Bean explained that he believed using the lowest base penalty of \$9,600, and deferring half of it for a 2-year period would be a suitable penalty. He stated that by deferring half the amount and waiving it after 2 years if no further violations occur, provides incentive for them to meet the District Rules as required.

Director Zimmerman asked if there were any underlying reasons for the failure. Manager Martin stated that he believed that Dillin is just too busy and taking on too much and noted that he didn't think there has been malicious intent. He also pointed out that Dillin has always owned up to any issues that he has been confronted with and typically takes steps to immediately correct.

Dillin Payne was in attendance and agreed that he had been attempting to take on too much with the added complications of his grandparents (B.J. Jones) wanting him to purchase the company. Dillin owned up to both the Babin and Fountain issues but noted that he was essentially a single person operation at this time.

Director Zimmerman asked Manager Martin how other drillers operate and he stated that most have multiple employees or family members to help take care of paperwork.

Director Smith noted that he was in favor of Vice President Bean's recommendation and made motion to that end. Vice President Bean clarified that his recommendation was for a penalty of \$9,600. Stating that half (\$4,800) was due immediately, and the second half deferred with the stipulation that if no further violations occurred within a 2-year period the deferred portion would be waived, or come due if any additional violations occur within that 2-year period. Director Zimmerman seconded the motion.

Director Russler asked if the District would still be able to impose other penalties if additional violations occurred. Manager Martin stated yes, and Vice President Bean clarified that the penalties being discussed were for the two current violations.

Vice President Bean called for a vote on the motion. The motion passed unanimously.

7. Discussion and possible action regarding potential changes to the District's Rules: Manager Martin noted that they have been looking at most of these proposed changes for several months now, and that he would only be spending time reviewing the more recent proposed changes including those where Attorney Stover recommended additional language.

Manager Martin pointed out that at the last meeting Treasurer Rogers had concerns regarding the waiving of items 5.4(e) and (f) due to the possibility that it could be abused/taken advantage of. He then noted that he and Attorney Stover added language in section 5.13 (Permit Amendments) that would allow the District to require waived items to be produced in the future if a permit amendment is requested and the items 5.4(e) and (f) were not included in the original permit application.

Manager Martin stated that one of the items Attorney Stover recommended was a spacing consideration related to wells requesting permits for less than 36.5 million gallons and the waiver of items 5.4(e) & (f). He explained that Attorney Stover pointed out that a non-exempt well is likely to pump a significant portion of the permitted amount and that a spacing requirement, even a minimal one of 50ft. – 100ft, would ensure minimal impact to neighboring properties. Manager Martin also pointed out that with or without the spacing requirement, if the permit request was for less than 36.5 million gallons no notice to neighboring well owners would be required nor would a public hearing be required.

Directors Star and Zimmerman expressed agreement with Attorney Stover's recommendation for a spacing requirement in these situations. Manager Martin suggested that the addition of some language to the sentence waiving 5.4(e) & (f) requirements would be as simple as inserting the following into the last paragraph of Section 5.4: "... provided the well is located no less than 100 feet from the nearest property line,...".

Manager Martin also noted that Attorney Stover recommended alternate language for the proposed change in 5.11(c) relating to the placement of a replacement well. Attorney Stover thought that the initial proposed language was a bit too vague and recommended: "... on the same tract of land, or an adjacent tract owned by the permit holder...".

Manager Martin commented that Attorney Stover and Attorney Greg Ellis would be working on some potential additional language to Rule 13 (Petition for Rule Change). He stated that Attorney Stover said that he and Attorney Ellis were looking into a possible minimum number of signatures on the petition as well as clearly defining who has a right to petition the District for a rule change.

Manager Martin noted that the additional potential changes would need to be considered at a later date due to a time requirement that was included in the bill requiring the addition of these rules.

After discussion, Director Starr made motion to approve the proposed changes to the District Rules as presented. The motion was seconded by Director Zimmerman. Vice President Bean asked Director Starr if he meant to include the additional language that was discussed regarding 5.4 and the spacing requirement for wells. Director Starr confirmed that that was his intent to include the spacing requirement of 100 feet from the nearest property line with Director Zimmerman in agreement. Vice President Bean called for a vote on the motion approving the proposed changes as presented and amended. The motion passed unanimously.

8. Discussion and possible action regarding Daniel Ayres' request for an extension on his drilling permit: Manager Martin noted that Mr. Ayres had been working on his project for nearly 8 years and was requesting another 1-year extension to his drilling permit. Manager Martin explained that the current delay was related to tying the local spring water to the location of the well (thus "proving" the water that will be pumped from the well is spring water). He explained that Mr. Ayres previous hydrologist did this by way of chemical analysis, but that he has since learned that physical evidence is what he needs.

To obtain the physical evidence, Mr. Ayres has installed weir dams on the property to record flow data, but since this summer has been so extremely dry, he has not been able to collect any data yet.

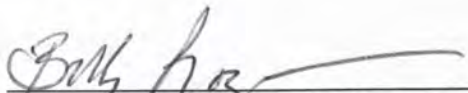
Manager Martin recommended approving the 1-year extension request. Director Zimmerman noted that he supports small businesses and made motion to approve the drilling permit extension for 18 months. The motion was seconded by Director Starr. The motion passed unanimously.

9. Manager's Report to include: latest GMA 14 and RWPG meetings, SB 49/HB 141 bills allowing SETGCD to increase maximum production fee, and drought conditions: Manager Martin asked if anyone had any questions regarding his written report. No questions were asked.

10. Establish date, time and place of next meeting: Vice President Bean noted that the Board doesn't typically meet in December. Manager Martin confirmed that and noted the next regular meeting date would be January 11, 2024.

11. Meeting adjourned at: 10:44

  
\_\_\_\_\_  
Olen Bean, Vice President

  
\_\_\_\_\_  
Bobby Rogers – Secretary/Treasurer

Date: January 11, 2024

## CONSERVATION CORNER

### Plan Ahead: Conserve Water—Reduce Summertime Waste

Springtime is quite a ways off, but it's never too early to start planning ahead with regard to our lawncare and landscaping. 2023 has proven to be a very dry summer and if you are like me, you have large brown areas where grass used to grow, maybe even some bushes or trees that didn't survive the summer. Looking toward next spring, we can start thinking about how to better manage our yards, reducing the waste of water, and using the water more efficiently by replacing plants that may have died with drought resistant species. As we have all seen how dry it can be, and all of the impacts of drought conditions, such as the increase in wildfires, now is a good time to start thinking about how to conserve water so you are ready come next spring (especially if the drought conditions continue into next year).

On average, over 55% of the water we use at home is used outside. With the start of spring we begin watering our gardens and lawns, we spend more time washing vehicles and boats, and as summer arrives we fill our pools. All of these activities can use large amounts of water.

When it comes to watering the plants in your yard, there are several simple ways to reduce your water consumption. The use of mulch in the garden and in flowerbeds will reduce the rate of evaporation as well as suppress the growth of competing weeds. Mulch combined with the use of drip hoses will provide your plants with the water they need much more effectively than sprinklers, with minimal waste of the water. If you are watering with a sprinkler and do not have an automatic watering system, set a timer so that you don't forget to turn the water off after a selected amount of time. When it comes to watering your lawn, by allowing the grass to grow a little longer it will require less water. Taller grass enhances root development and also shades the root zone. When you do water, be sure to do so in the evening or early morning to minimize the evaporation of the water you just applied. Also, be sure that you water long enough for the water to soak down to the roots of your plants.

When landscaping new areas of your yard or replacing plants that may not have survived the 2023 summer, plan before planting! Consider wildscaping or xeriscap-

ing. Wildscaping is meant to regenerate the native species of plants (and animals), which will require little to no aftercare. Not only will it not require much attention, the new area will also be attractive to local wildlife. Texas Parks and Wildlife has a website with lots of good information on wildscaping at: [https://tpwd.texas.gov/huntwild/wild/wildlife\\_diversity/wildscapes/](https://tpwd.texas.gov/huntwild/wild/wildlife_diversity/wildscapes/)

Xeriscaping (pronounced "zeer-i-scaping"), not to be confused with zeroscaping which utilizes lots of stone, gravel and concrete, is another way to landscape in a manner that reduces or eliminates the need for watering. This is accomplished by using plants that are compatible with the local climate. The main difference between wildscaping and xeriscaping is that the plants used in xeriscaping are not necessarily native and, therefore, will not necessarily enhance habitat for local wildlife.

Other ways to conserve water outdoors and reduce waste are:

- Sweep driveways and walkways, don't use the hose;
- Be sure to have a shut off nozzle on the hose when you wash your vehicles so as not to leave the water flowing when not needed;
- If possible, use rain collection barrels to supply water for your flowers and garden;
- Clean gutters and downspouts manually;
- Cover swimming pools to reduce evaporation (this can save you thousands of gallons a year);
- Be sure to check all outdoor plumbing regularly for leaks.

And remember, water conservation isn't something you should think about only in times of drought. The less water we waste today will help assure we have enough water tomorrow.





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[Board & Staff](#)

[Hist](#)

# Conservation

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## Water Conservation Tips

- + [Turn Off That Light](#)
- + [Drip Irrigation](#)
- + [Winter Conservation Tips](#)
- + [20 Ways to be Water Smart](#)
- + [Outdoor Water Conservation Tips](#)

+	<b>Water Conservation Tips 2016</b>
+	<b>Summertime Water Saving</b>
+	<b>Winter Conservation Tips</b>
+	<b>How Not To Waste Water</b>
+	<b>Every Drop Counts</b>
+	<b>Water Footprint - You're Using More Than You Think</b>
+	<b>Drought Preparedness - Conserve Now Before You Have To</b>
+	<b>Plan Ahead: Conserve Water - Reduce Summertime Waste</b>

## Texas Water Development Board



Water Conservation 7  
Conserving Water Ou  
Conserving Water Inc  
TWBD Kids  
Coloring Book



## 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 County Courthouse Annex Building  
271 E. Lamar, Suite 202, 2nd Floor -  
Emergence Operations Center Offices  
Jasper, TX 75951

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## 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.



## Texas Water Development Board

[www.twdb.texas.gov](http://www.twdb.texas.gov)

P.O. Box 13231  
Austin, Texas 78711-3231



Visit the following Web site  
for additional information.

[www.epa.gov/watersense](http://www.epa.gov/watersense)

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

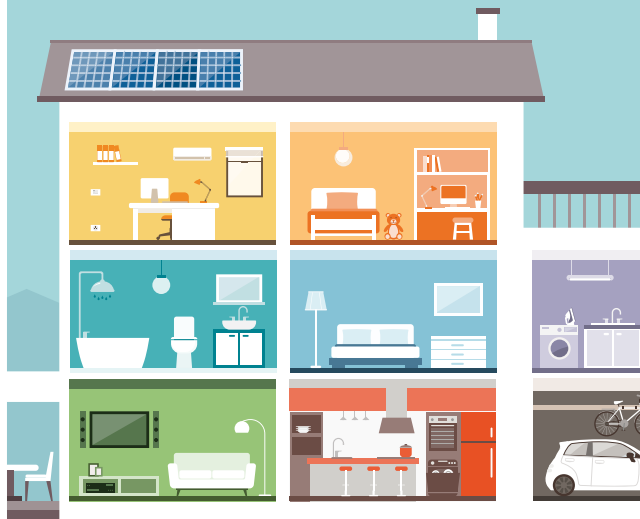
- Conventional washing machines use 32 to 59 gallons of water per load.
- Wash only full loads.
- Use the lowest water level setting on the washing machine for light or partial loads whenever possible.
- Use cold water as often as possible to save energy and conserve hot water for uses that cold water 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.



# Household Water Use and Ways to Save



Texas Water  
Development Board

## Install Water-Efficient Appliances and Fixtures

### Toilets

- ◆ Toilets account for approximately 24 percent of indoor water use. They also happen to be a major source of leaks and/or inefficiency.
- ◆ Over the course of your lifetime, you will likely flush the toilet nearly 140,000 times. A high-efficiency toilet can save you 4,000 gallons per year.
- ◆ A leaky toilet can waste 200 gallons of water per day.



- ◆ Test toilets for 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 (usually the flapper or rubber washer).

### Showers

- ◆ A water-efficient showerhead is one of the single most effective water-saving steps you can take inside your home.
- ◆ Take shorter showers. A full bathtub can use up to 70 gallons of water versus a 5-minute shower that uses as little as 10 gallons.



### Sinks

- ◆ Install faucet aerators on sinks for a simple, cost-effective way to save water. The faucet's efficiency can double without sacrificing performance.

## Washing Machines

- ◆ 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 2.1 to 7 gallons of water per load.
- ◆ Replacing older, inefficient models can cut dishwasher water use in half.

## Don't Wait to Fix Leaks!

Leaks waste both water and energy and can account for 14 percent or more of your water bill.

Use your water meter to check for invisible leaks.

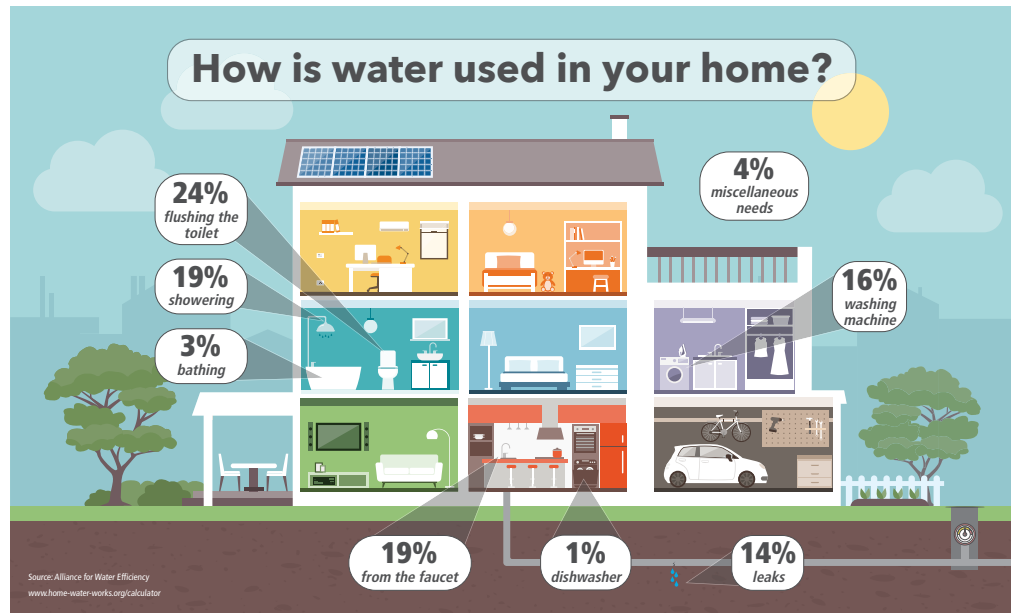
- ◆ Turn off all faucets and any water-using appliances.
- ◆ Read the dial on the water meter and record the numbers. (It is often located along the property line near the street.)
- ◆ Recheck the meter after 15 to 20 minutes.

If the numbers on the meter changed while no water was used, you have a leak!

If your utility offers customer dashboards, regularly check your usage throughout the month and watch for abnormally high readings, which may indicate a leak.

### How much water do you use?

Alliance for Water Efficiency's Water Calculator  
[www.home-water-works.org/calculator](http://www.home-water-works.org/calculator)





**Texas Water Development Board**

1700 North Congress Avenue  
Austin, TX 78701

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[www.twdb.texas.gov](http://www.twdb.texas.gov)

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limited.**



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today!**

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**Development Board**

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## **THE FUTURE OF TEXAS WATER**

**Water** is our state's most precious and limited resource. With a growing population and an increasing need for water, we must be especially vigilant about how we use the water we already have. For years, Texas has experienced regularly recurring droughts, and more are inevitable in the future.

If Texans don't take steps to reduce water use, we could face serious water shortages over the next 50 years. If a drought of record occurs in the immediate future, it has been estimated that Texas could lose more than 400,000 jobs and over \$70 billion in annual economic activity. And those impacts increase each decade if the state water plan is not implemented.

Water conservation is often the least expensive and most cost-effective way to ensure adequate water supplies. Individual conservation practices can make a big difference in our overall water use.

***We need your help to save  
water, starting today!***



## HELP CONSERVE TODAY

Inside your home, toilets consume the most water, followed by washing machines and showers. Outdoor use can account for more than 30 percent of total home water use.

**Here are a few easy things you can start doing today to save water.\***

◆ **Fix leaks** – Leaks waste both water and energy and can account for 10 percent or more of your water bill. Frequently check for leaks in your toilets, washing machines, and sinks. A slow drip adds up.



◆ **Shorten shower time** – Reducing your shower time from 10 to 5 minutes could save at least 12.5 gallons per shower with efficient showerheads. That's over 4,500 gallons a year.

◆ **Turn off the faucet** – Don't let water run when you wash your hands, brush your teeth, and shave. Turn it off until you need it again.



◆ **Lower washing machine water level** – Use the lowest water level setting on your washing machine whenever possible.

◆ **Water more efficiently** – Limit your yard watering to no more than once a week, and prevent water evaporation by watering early in the morning—and never on windy days. Also, adjust sprinklers so they don't water the pavement or other unnecessary areas.

**Take water conservation one step further.**

Replace some of your household appliances with more energy-efficient models, and add rain sensors to your irrigation system.

◆ **Washing machines** – High-efficiency washing machines can save almost 25 gallons of water per load, and they save energy.



◆ **Toilets** – The average flush of an older toilet uses about 3.6 gallons of water, compared to newer, high efficiency toilets that use just 1.3 gallons per flush.

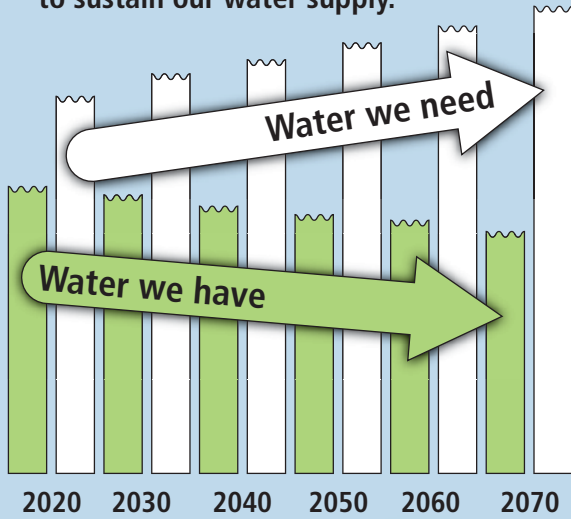
◆ **Sprinklers** – Install rain shut-off devices so you don't water the yard unnecessarily during or after a rain.

\* Indoor water use numbers are from the Alliance for Water Efficiency: [www.allianceforwaterefficiency.org](http://www.allianceforwaterefficiency.org)



**Texas Water**  
**Development Board**

Our need for water is growing, but our current water supply will decline over time. More and more water conservation efforts will be necessary to sustain our water supply.



Conservation efforts are estimated to make up approximately 27 percent of the water generated through recommended water supply strategies in 2030.



**Texas Water**  
Development Board

[www.twdb.texas.gov](http://www.twdb.texas.gov)

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# GOAL 4.3

## CONTROLLING AND PREVENTING SUBSIDENCE

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### Objectives

1. *The District has reviewed the pertinent portions (Section 4.1.1 and 4.2.4) of the Texas Water Development Board's subsidence risk report: Identification of the Vulnerability of the Major and Minor Aquifers of Texas to Subsidence with Regard to Groundwater Pumping, – as well as other sources for applicability to the Southeast Texas Groundwater Conservation District in an effort to better proactively manage subsidence.*

*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. Subsidence is one of the main considerations in groundwater management area planning and must be taken into consideration in the desired future conditions process prior to adopting new desired future conditions. **The District will participate in this process by attending at least one Groundwater Management Area 14 meeting each year.***

2. *Each year, the District will review the data from subsidence monitoring locations within the District boundaries and may pursue installation of additional PAM or CORs subsidence monitoring locations.*

### Performance Standard

1. *A copy of the Groundwater Management Area 14's meeting notice/agenda and sign-in sheets (or any other available evidence of attendance) will be included in the District's annual report.*
  2. *Each year, a summary of the data related to subsidence monitoring stations within the District and installation of additional sites will be included in the Annual Report submitted to the Board of Directors of the District.*
- 
-

# GOAL 4.3

## OBJECTIVE 1

Groundwater Management Area 14 (GMA 14) met three times in 2023, on March 7, 2023, May 23, 2023, and October 26, 2023, and a representative from the District was present at all three meetings. The notices/agendas for the 2022 meetings, as well as the sign-in sheets, are attached.

## OBJECTIVE 2

GMA 14 (of which the District is a member), adopted new Desired Future Conditions (DFCs) on February 23, 2022. On June 15, 2022 the Texas Water Development Board deemed the DFC submittal to be administratively complete and on July 14, 2022 the District adopted the DFCs specific and relevant to the District.

The new DFCs include “multiple metrics”, one of which is subsidence based. The subsidence-based metric is “...no more than an average of 1.0 additional foot of subsidence between 2009 and 2080”.

To track and monitor subsidence within the District, the District will utilize data made available by the Harris-Galveston Subsidence District (HGSD). The HGSD operates a network of their own subsidence monitoring stations and collects data from other sites throughout the greater Houston area and makes this data available to the public. At this time last year, only one subsidence monitoring device/data source was available to the District, which was the TXKO site (Kountze, Texas). Two additional sites have since been made available, TXWO (Woodville, Texas) and TXNE (Newton, Texas) and the expectation is that a Jasper County site will be included next year. I have also included data from site TXB1, located in Jefferson County just 1.25 miles south of the Hardin/Jefferson County line (just off 69/96/287).

Included are two location maps for the sites (one a general HGSD map and the second specific to the District), as well site summaries and graphs showing the 5-Year Subsidence Rate and Change in Ellipsoid Height. The Data provided from these sites shows a very nominal change in surface elevation, with the change being a rise in the elevation for all four sites. The summaries indicate an annual subsidence rate ranging between 0.07 and 0.29 cm/yr for an average of 0.16 centimeters (a very minor rise in elevation).

# GROUNDWATER MANAGEMENT AREA 14 JOINT PLANNING COMMITTEE MEETING

## 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 **Tuesday, March 7, 2023 beginning at 1:15 P.M. at the Brazoria County Courthouse, 111 E. Locust St., Ste. 100A, Commissioner’s Court Room, Angleton, TX 77515.**

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

1. Call to order;
2. Confirmation of receipt of posted notices;
3. Welcome and Introductions;
4. Public comment;
5. Discussion and possible action to approve minutes of the February 23, 2022 GMA 14 Joint Planning Meeting;
6. Review, discussion and possible action on the recently updated groundwater available model identified as the GULF Model and its utilization during the current round of Desired Future Conditions planning;
7. Discussion and possible action regarding next meeting date, location, and agenda items;
8. Meeting Adjourned.

Comments concerning any aspect of this meeting should be directed to Mr. John Martin of the Southeast Texas Groundwater Conservation District, P.O. Box 1407, Jasper, TX 75951; [jmartin@setgcd.org](mailto:jmartin@setgcd.org), or (409) 383-1577.

Come to hand and posted on a Bulletin Board in the Courthouse, \_\_\_\_\_ County, Texas, on this, the \_\_\_\_\_ day of February, 2023.

  
\_\_\_\_\_  
John Martin, Chairman  
GMA 14 Planning Group

\_\_\_\_\_ Deputy Clerk

\_\_\_\_\_ County, Texas

*These public meetings are available to all persons regardless of disability. If you require special assistance to attend the meeting please contact the Southeast Texas Groundwater Conservation District, (409) 383-1577, at least three working days prior to the meeting, so that appropriate arrangements can be made.*



## GMA 14 MEMBER AND INTERLOCAL SIGN IN SHEET

March 7, 2023  
1:15 PM

Member District	District Representative	Date	Signature
Bluebonnet GCD	Zach Holland	3/7/23	<i>Zach Holland</i>
Brazoria County GCD	Beverly Hopkins	3/7/23	<i>BH</i>
Lone Star GCD	Samantha Reiter	March 7, 2023	<i>S Reiter</i>
Lower Trinity GCD	Gary Ashmore	March 7 2023	<i>Gary Ashmore</i>
Southeast Texas GCD	John Martin	<i>John Martin</i>	<i>John Martin</i>
Interlocal Participant	Representative	Date	Signature
Harris-Galveston Subsidence District			
Fort Bend Subsidence District	<i>Robert Thompson</i>	3/2/23	<i>Robert Thompson</i>
Washington County	KIRK HANATH	3/7/23	<i>Kirk Hanath</i>
Chambers County			



March 7, 2023

1:15 PM

# GMA 14 SIGN IN SHEET

Request to Speak? Yes / No	NAME	AFFILIATION	CITY, STATE, ZIP	E-MAIL
N	James Beach	AGS	78620	james.beach@advancedgw.com
N	Bill Hutchison	Consultant	Jamaica Bend	billhutch@texasgw.com
N	Stacey Reese	consultant	Austin, TX	stacey@staceyreese.com
N	Michael White	BCGCD	77515	mwhite@bcgroundwater.org
N	Jodie Parnell	BCGCD	77515	jstill@bcgroundwater.org <del>jodies</del>
N	John Yoans	The Woodlands	77380	jyoans@comcast.net
N	Philip Towner	Consultant	77024	philip.towner@texas.com
N	Ashley Greuter	HERSD	77546	agreuter@subsidence.org
N	John Ellis	USGS	77385	jellis@usgs.gov
N	Natalie Baller	TWDB	78752	natalie.baller@twdb.texas.gov
N	Dayn Hardwick	TWDB	78660	dayn.hardwick@twdb.texas.gov
N	Jason Afionowicz	Freese+Nichols	77479	jda@freese.com

# GROUNDWATER MANAGEMENT AREA 14 JOINT PLANNING COMMITTEE MEETING

## 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 **Tuesday May 23, 2023 beginning at 10:00 A.M. at the City of Cleveland Civic Center, 210 Peach Ave., Cleveland, TX 77327.**

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

1. Call to order;
2. Confirmation of receipt of posted notices;
3. Welcome and introductions;
4. Public comment;
5. Discussion and possible action to approve minutes of the March 7, 2023 GMA 14 Joint Planning Meeting;
6. Updates from the TWDB and discussion on the comments received for the recently updated groundwater availability model (GULF-2023 model);
7. Review, discussion and possible action on the recently updated groundwater available model identified as the GULF-2023 Model and its potential utilization during the current round of Desired Future Conditions planning;
8. Discussion and possible action regarding next meeting date, location, and agenda items;
9. Meeting Adjourned.

Comments concerning any aspect of this meeting should be directed to Mr. John Martin of the Southeast Texas Groundwater Conservation District, P.O. Box 1407, Jasper, TX 75951; [jmartin@setgcd.org](mailto:jmartin@setgcd.org) or (409) 383-1577.

Come to hand and posted on a Bulletin Board in the Courthouse, \_\_\_\_\_ County, Texas, on this, the \_\_\_\_\_ day of May, 2023.



John Martin, Chairman  
GMA 14 Planning Group

\_\_\_\_\_ Deputy Clerk

\_\_\_\_\_ County, Texas

*These public meetings are available to all persons regardless of disability. If you require special assistance to attend the meeting please contact the Southeast Texas Groundwater Conservation District, (409) 383-1577, at least three working days prior to the meeting, so that appropriate arrangements can be made.*



## GMA 14 MEMBER AND INTERLOCAL SIGN IN SHEET

May 23, 2023  
10:00 AM

Member District	District Representative	Date	Signature
Bluebonnet GCD	Zach Holland		<i>Zach Holland</i>
Brazoria County GCD	Beverly Hopkins	5/23/23	<i>BH</i>
Lone Star GCD	<del>Samantha Reiter</del> <i>Jim Spigener</i>	5/23/23	<i>[Signature]</i>
Lower Trinity GCD	Gary Ashmore	5-23-2023	<i>[Signature]</i>
Southeast Texas GCD	John Martin	5-27-2022	<i>[Signature]</i>
Interlocal Participant	Representative	Date	Signature
Harris-Galveston Subsidence District	<i>MICHAEL TORO</i>	5/23/2023	<i>[Signature]</i>
Fort Bend Subsidence District			
Washington County			
Chambers County	<i>GARY R NELSON</i>	5/23/2023	<i>[Signature]</i>

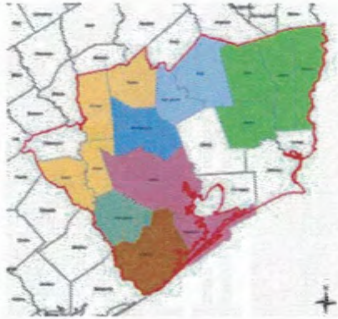


# GMA 14 SIGN IN SHEET

May 23, 2023  
 10:00 AM

Request to Speak? Yes / No	NAME	AFFILIATION	CITY, STATE, ZIP	E-MAIL
No	Bill Hutchison	Consultant	Jamaica Beach 77554	billhutch@texasw.com
No	James Beach	AGS	Dripping Springs TX 78620	james.beach@advancedgw.com
No	John YORNS	Bechtel	Tx	JOYORNS@comcast.net
No	GARY NELSON		Mt Belvieu TX 77586	GARYR.NELSON55@yaho.com
No	Natalie Ballew	TWDB	Austin TX	natalie.ballew@twdb.texas.gov
No	Doryn Hardwick	TWDB	Austin, TX	doryn.hardwick@twdb.texas.gov
NO	Michael White	BCGCD	Angleton	mwhite@bcgroundwater.org
NO	Beverly Hopkins	BCGCD	Angleton	BHopkins@bcgroundwater.org
No	MUTIAEL TUECO	HEIST	Freshwater	mtueco@subsidence.org
No	Philip Tancer	FNI	Houston TX 77004	phil.tancer@fresh.com
No	John Ellis	USGS	Houston, TX 77007	jellis@usgs.gov
No	MIKE LEE	USGS	Houston, TX 77005	mtlee@usgs.gov
No	JONATHAN SMITH	PORTER SWD	Porter, TX	JSmith@PorterSWD.com





# GMA 14 SIGN IN SHEET

May 23, 2023  
10:00 AM

Request to Speak? Yes / No	NAME	AFFILIATION	CITY, STATE, ZIP	E-MAIL
No	Chris Drabek	AGS	Wash DC	Chris.Drabek@ag.com

**GROUNDWATER MANAGEMENT AREA 14  
JOINT PLANNING COMMITTEE MEETING  
NOTICE OF OPEN MEETING**

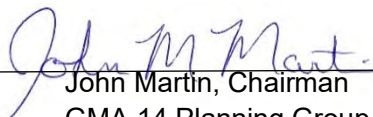
As required by Section 36.108(e), Texas Water Code, a meeting of the **Groundwater Management Area 14 Joint Planning Committee**, comprised of representatives from the following groundwater conservation districts located wholly or partially within Groundwater Management Area 14: Bluebonnet GCD, Brazoria County GCD, Lone Star GCD, Lower Trinity GCD, and Southeast Texas GCD—will be held on **Thursday October 26, 2023 beginning at 9:30 A.M. at the Barnhill Center, 111 West Main Street, Brenham, TX 77833**

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

1. Call to order;
2. Confirmation of receipt of posted notices;
3. Welcome and introductions;
4. Public comment;
5. Discussion and possible action to approve minutes of the May 23, 2023 GMA 14 Joint Planning Meeting;
6. Update from Texas Water Development Board (TWDB) and discussion of any related items of interest to GMA 14;
7. Discussion and possible action to appoint GMA 14 Member as alternate representative to the Region H Water Planning Group;
8. Review, discuss and consider member district management plans as required by Chapter 36.108(c);
9. Presentation, by William Hutchison, Ph.D., P.E., P.G., discuss and possible action regarding measured and simulated drawdowns in GMA 14 (DFC Comparison);
10. Presentation, by Phillip Taucer, P.E., regarding MAG Peak Factor methodology and GMA/RWPG coordination;
11. Update from the TWDB regarding the status of the GULF-2023 Model;
12. Discussion and possible action regarding the DFCs and the path forward for GMA 14 including possible action regarding opportunities for GMA 14 to update the Gulf 2023 Model including preparing a draft scope of work;
13. Discussion and possible action regarding next meeting date, location, and agenda items;
14. Meeting Adjourned.

Comments concerning any aspect of this meeting should be directed to Mr. John Martin of the Southeast Texas Groundwater Conservation District, P.O. Box 1407, Jasper, TX 75951; [jmartin@setgcd.org](mailto:jmartin@setgcd.org), or (409) 383-1577.

Come to hand and posted on a Bulletin Board in the Courthouse, \_\_\_\_\_ County, Texas, on this, the \_\_\_\_\_ day of October, 2023.

  
\_\_\_\_\_  
John Martin, Chairman  
GMA 14 Planning Group

\_\_\_\_\_  
Deputy Clerk

\_\_\_\_\_  
County, Texas

*These public meetings are available to all persons regardless of disability. If you require special assistance to attend the meeting please contact the Southeast Texas Groundwater Conservation District, (409) 383-1577, at least three working days prior to the meeting, so that appropriate arrangements can be made.*



## GMA 14 MEMBER AND INTERLOCAL SIGN IN SHEET

October 26, 2023  
10:00 AM

Member District	District Representative	Date	Signature
Bluebonnet GCD	Zach Holland	<small>10/26/23</small>	<small>Zach Holland</small>
Brazoria County GCD	Beverly Hopkins	10/26/23	Beverly Hopkins
Lone Star GCD	Jim Spigener	10/26/23	Jim Spigener
Lower Trinity GCD	Gary Ashmore	10/26/23	Gary Ashmore
Southeast Texas GCD	John Martin	10/26/23	John Martin
Interlocal Participant	Representative	Date	Signature
Harris-Galveston Subsidence District		10-26-23	
Fort Bend Subsidence District			
Washington County	Troy HANATH	10.26.23	Troy Hanath
Chambers County			



October 26, 2023

10:00 AM

## GMA 14 SIGN IN SHEET

Request to Speak? Yes / No	NAME	AFFILIATION	CITY, STATE, ZIP	E-MAIL
Y	Philip Tauer	Region H	Houston, TX	philip.tauer@freese.com
N	Natalie Ballew	TWDB	Austin TX	natalieballew@twdb.texas.gov
N	Dow Koester	County Commissioner	Brenham, TX	D.Koester@WACounty.com
N	KEN KRAMER	-	CHAPPELL HILL TX	Kramerkenw@gmail.com
N	Jim Spagnum	LSGCD	Willis TX	-
N	Sfacey Reese	LSGCD	Austin TX	-
N	MARK SMITH	Glisco landscape	Brenham TX	MARK@GLISCOlandscape.com
N	Debra Gaffey	City of Brenham	Brenham TX	dgaffey@cityofbrenham.org
	PAUL R. NELSON	President	The Woodlands TX.	pln15n2@gmail.com
N	Tim Robertson	City of Magnolia	Magnolia, TX	trobertson@cityofmagnolia.com
N	Ashley Greuter	HGSD	Friendswood, TX	agreuter@subsidence.org
N	KEN MILLER	CWCWSC	BRENTHAM	
N	Janner Bead	AGS	Dripping Springs	

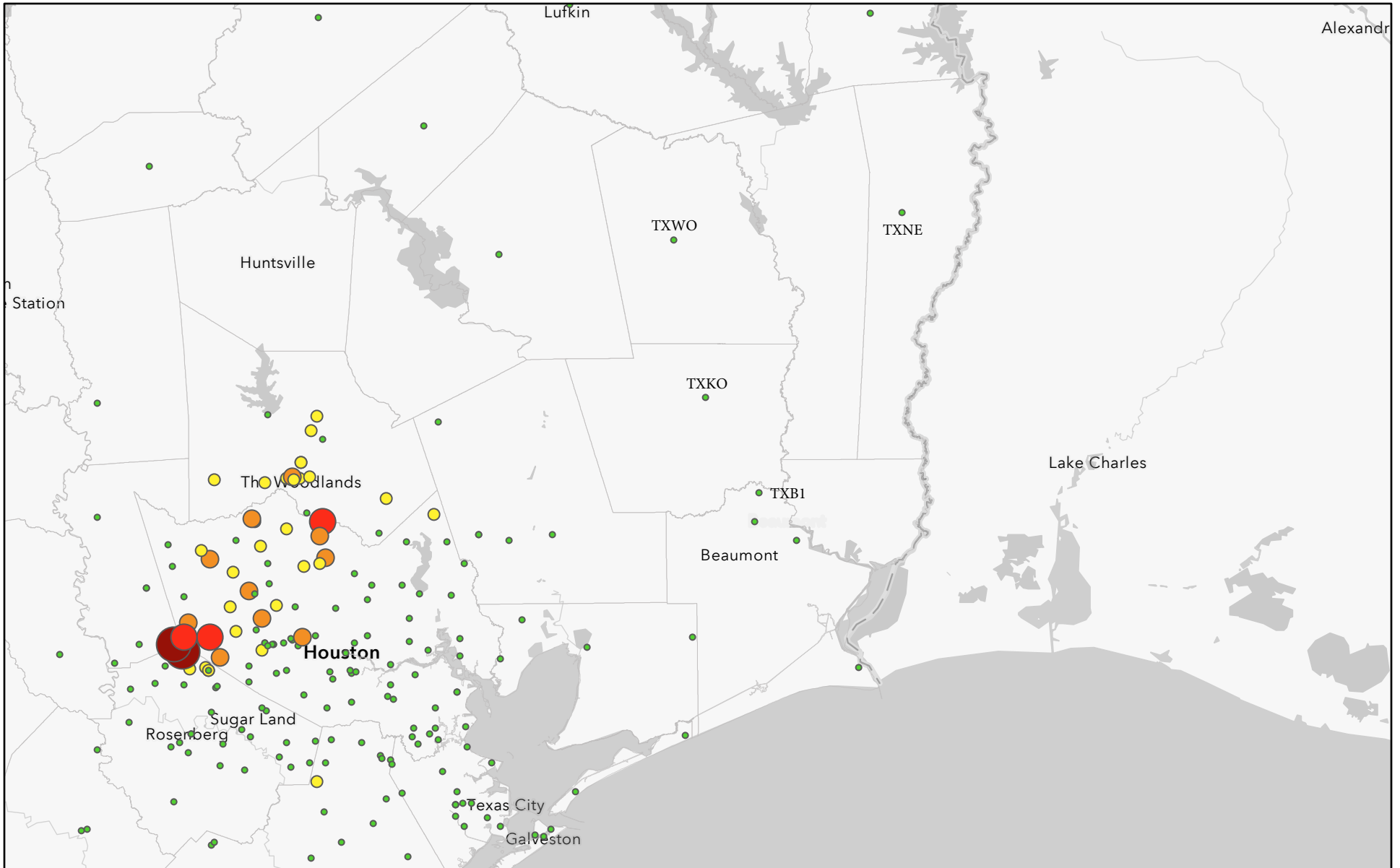


# GMA 14 SIGN IN SHEET

October 26, 2023  
10:00 AM

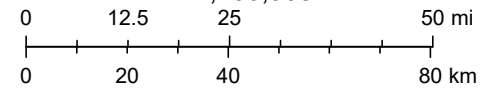
Request to Speak? Yes / No	NAME	AFFILIATION	CITY, STATE, ZIP	E-MAIL
N	John Youns	The Woodlands	77380	
N	CANDICE BULLOCK	WASH CO.	77833	
N	Beverly Hopkins	BCGCD	77515	BHopkins@bcgroundwater.org
N	Michael White	BCGCD	77515	MWhite@bcgroundwater.org
N	Bill Hutchinson	Consultant	77833	

# Harriss-Galveston Subsidence District - Subsidence Monitoring Sites



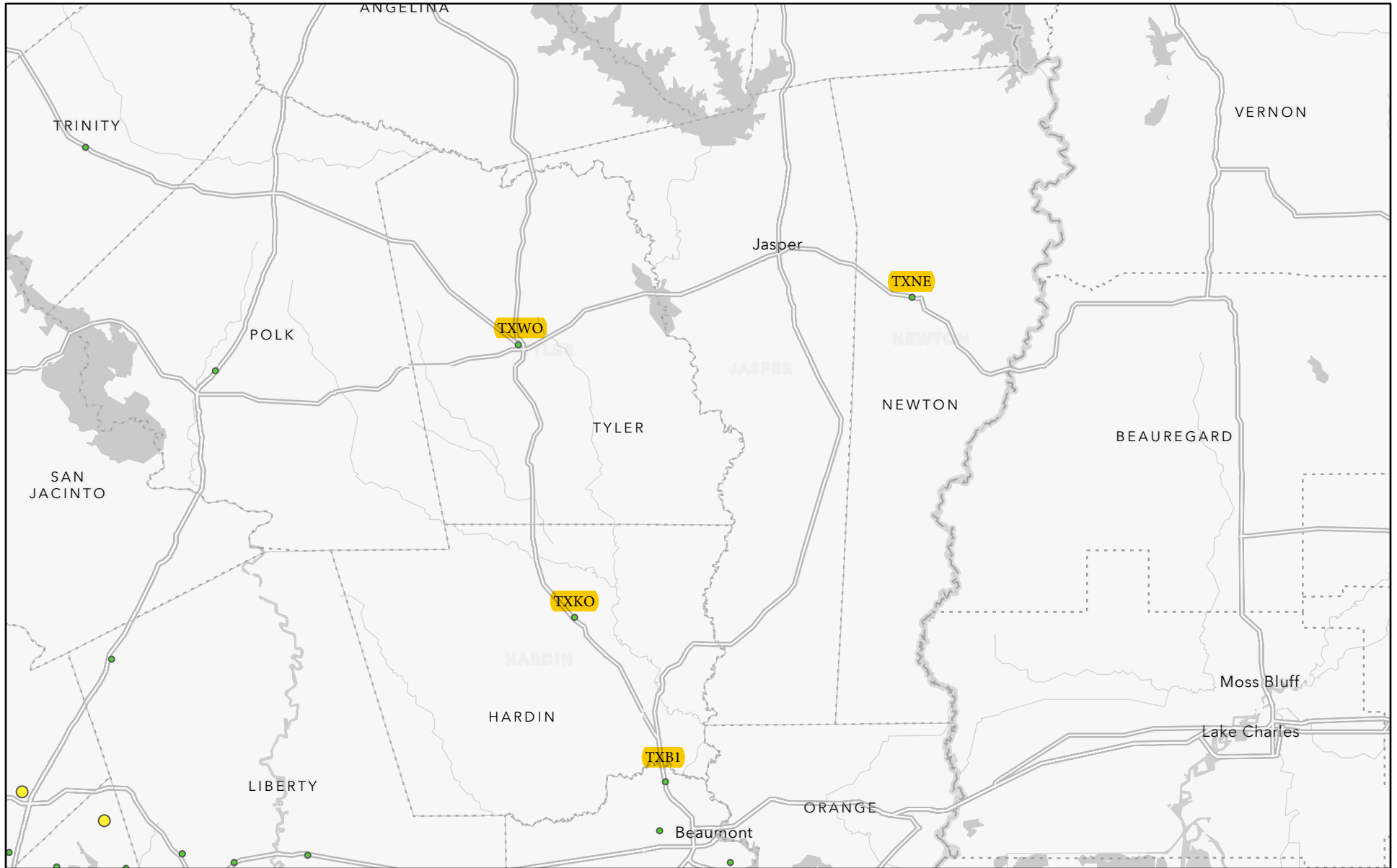
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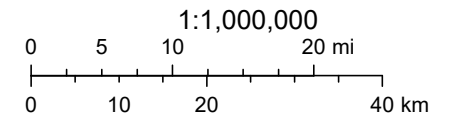


Texas Parks & Wildlife, CONANP, Esri, TomTom, Garmin, FAO, NOAA, USGS, EPA, NPS, USFWS

# Subsidence Monitoring Sites Within The Southeast Texas GCD

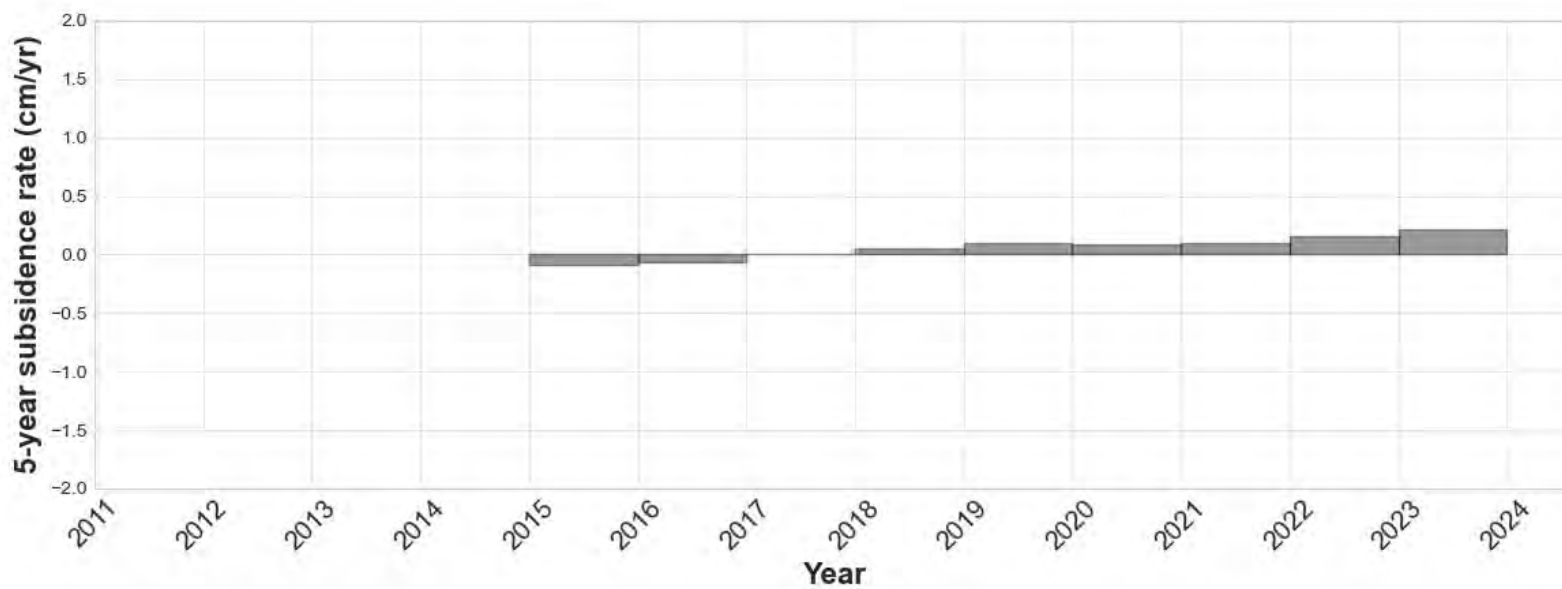
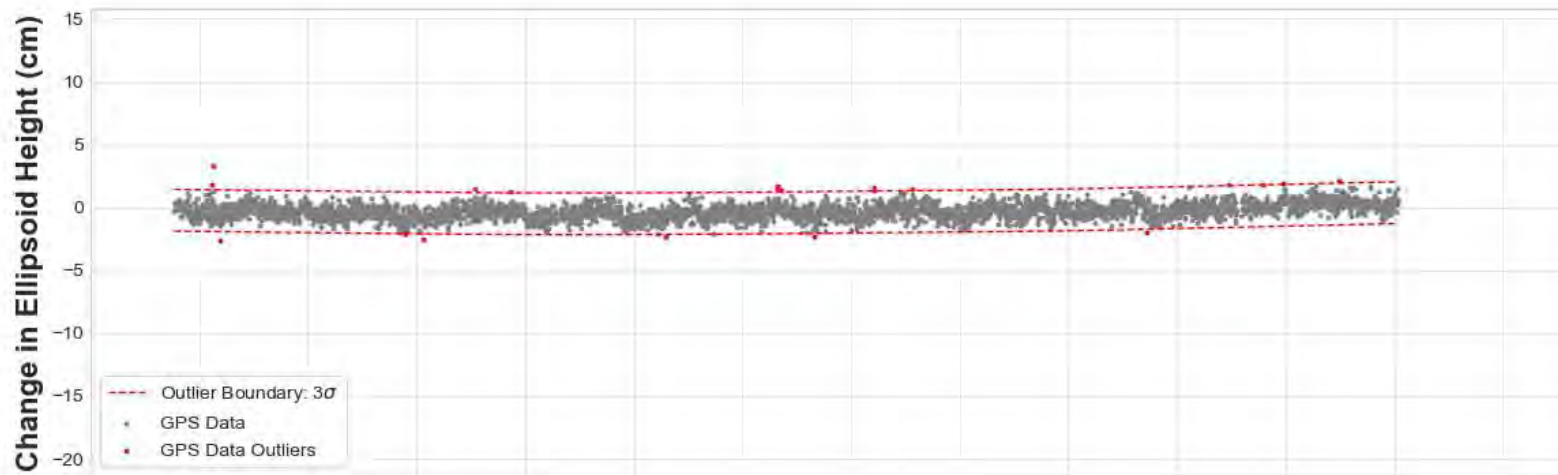


1/24/2024



Texas Parks & Wildlife, CONANP, Esri, TomTom, Garmin, SafeGraph, FAO, METI/NASA, USGS, EPA, NPS, USFWS

## TXKO



Processed GPS data (Source: University of Houston) over period of record. Processed GPS data (gray circles) located inside the outlier boundary (red dashed line) are used when calculating subsidence rates. Processed GPS data identified as outliers (red circles) are not considered by HGSD when calculating subsidence rates and are shown for informational purposes only.



# ArcGIS ▾ Subsidence rates in Harris, Galveston, and surrounding counties, from 2018 to 2022

Details

Basemap

About

Content

Legend

## Legend

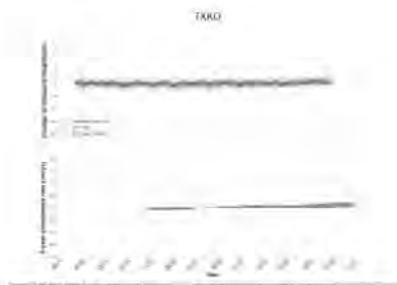
### Annual Subsidence Rates (cm/yr.) from 2018 to 2022

- Greater than 2.0
- < 2.0 - 1.5
- < 1.5 - 1.0
- < 1.0 - 0.5
- Less than 0.5 or POR less than 3 years

### Annual Subsidence Rate (cm yr.) from 2018 to 2022

Station Name	TXKO
Operator	Texas Department of Transportation
Latitude	30.395
Longitude	-94.332
Start Year	2011.77
End Year	2023.04
Years Monitoring	11.27
Total Vertical Displacement (cm)	0.40
Subsidence Rate (cm/yr.)	0.16

### POR Plot



## ArcGIS ▾ Subsidence rates in Harris, Galveston, and surrounding counties, from 2018 to 2022

Details

Basemap

About

Content

Legend

## Legend

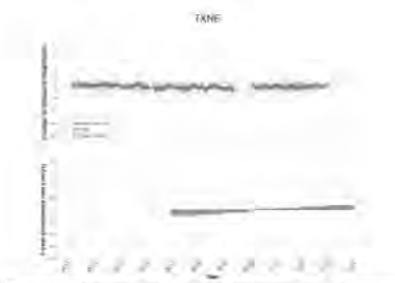
## Annual Subsidence Rates (cm/yr.) from 2018 to 2022

- Greater than 2.0
- < 2.0 - 1.5
- < 1.5 - 1.0
- < 1.0 - 0.5
- Less than 0.5 or POR less than 3 years

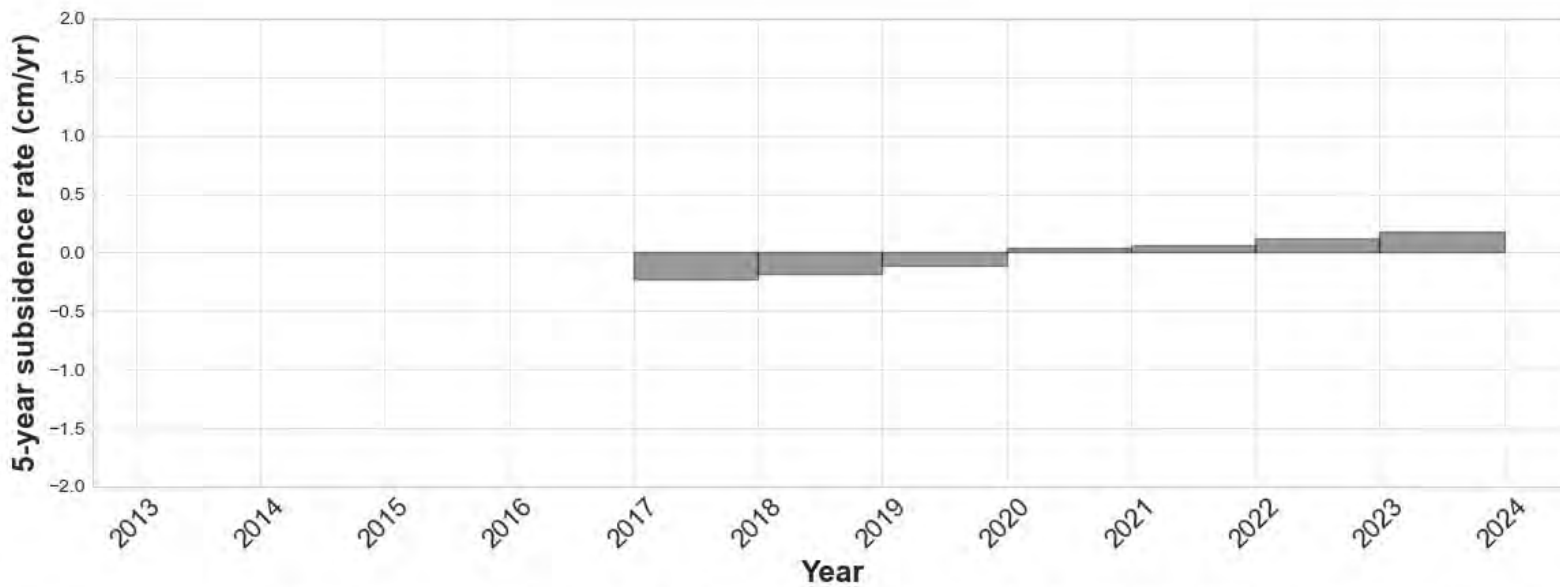
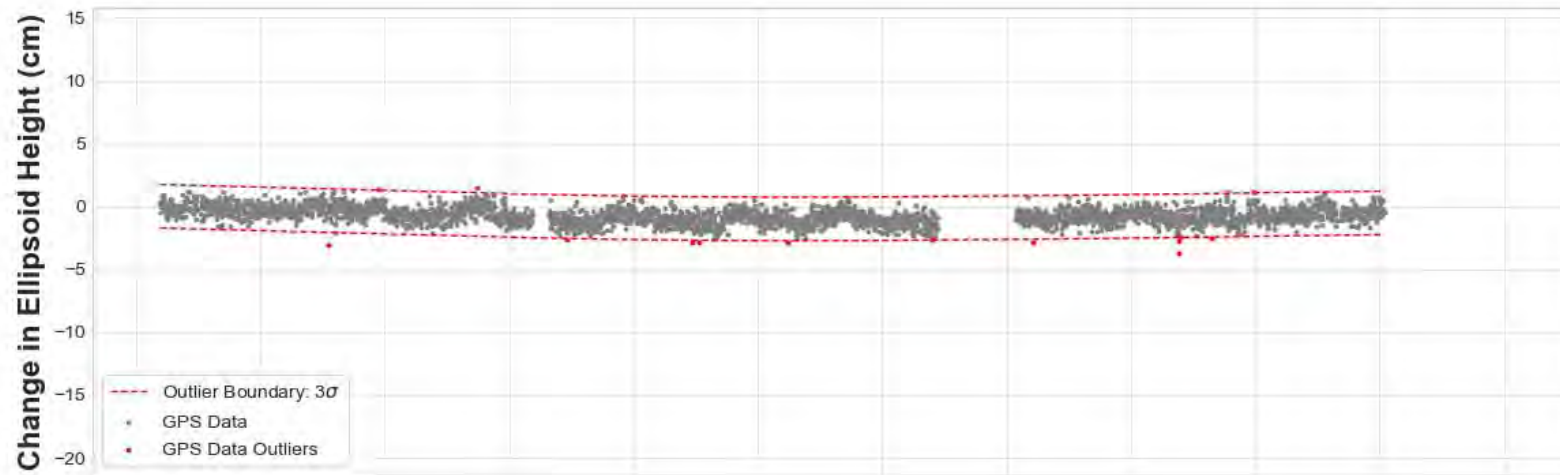
## Annual Subsidence Rate (cm yr.) from 2018 to 2022

Station Name	TXNE
Operator	Texas Department of Transportation
Latitude	30.848
Longitude	-93.775
Start Year	2013.19
End Year	2023.04
Years Monitoring	9.85
Total Vertical Displacement (cm)	-0.40
Subsidence Rate (cm/yr.)	0.12

## POR Plot



## TXNE



Processed GPS data (Source: University of Houston) over period of record. Processed GPS data (gray circles) located inside the outlier boundary (red dashed line) are used when calculating subsidence rates. Processed GPS data identified as outliers (red circles) are not considered by HGSD when calculating subsidence rates and are shown for informational purposes only.

# ArcGIS ▾ Subsidence rates in Harris, Galveston, and surrounding counties, from 2018 to 2022

Details

Basemap

About

Content

Legend

## Legend

### Annual Subsidence Rates (cm/yr.) from 2018 to 2022

- Greater than 2.0
- < 2.0 - 1.5
- < 1.5 - 1.0
- < 1.0 - 0.5
- Less than 0.5 or POR less than 3 years

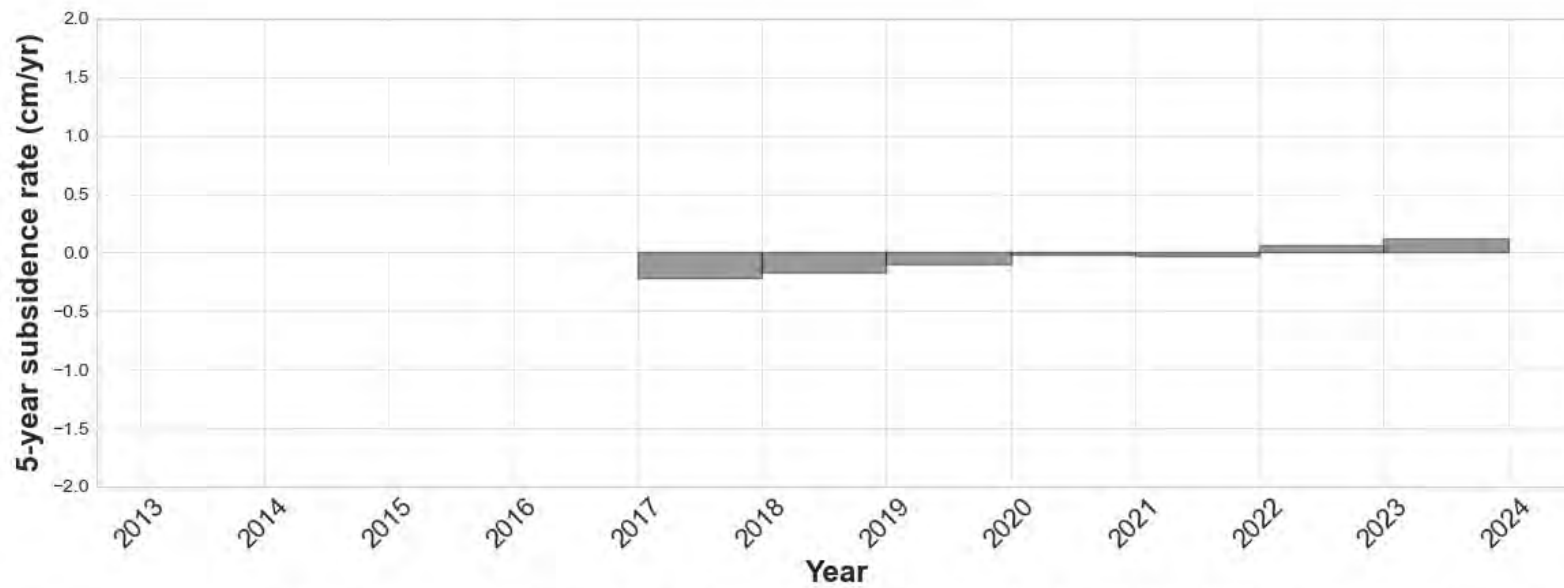
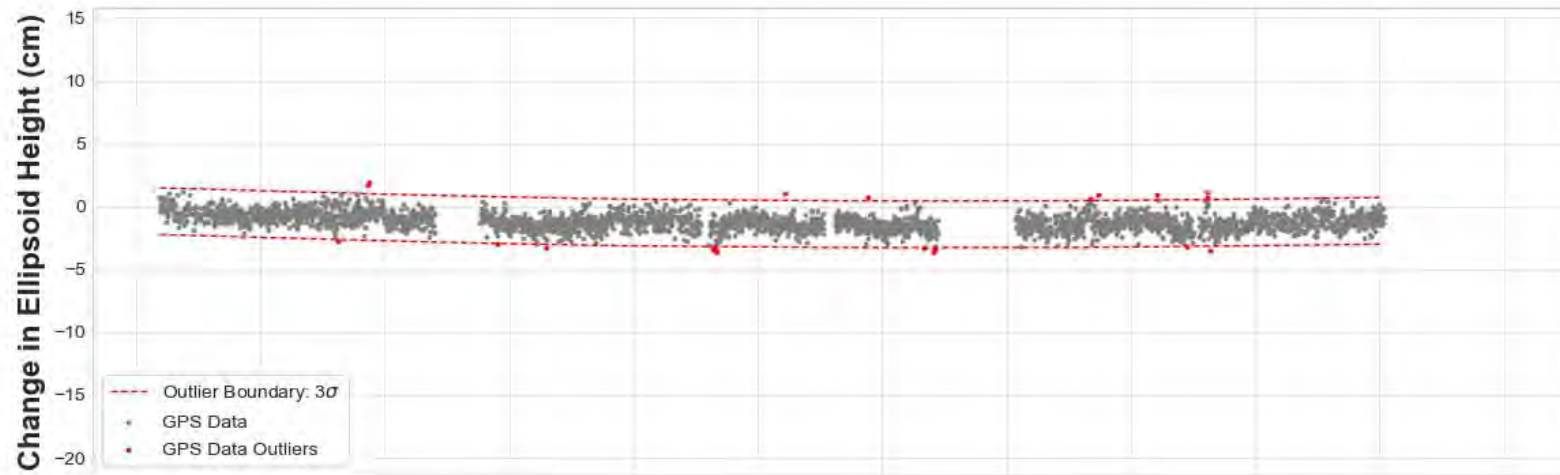
### Annual Subsidence Rate (cm yr.) from 2018 to 2022

Station Name	TXWO
Operator	Texas Department of Transportation
Latitude	30.782
Longitude	-94.424
Start Year	2013.19
End Year	2023.04
Years Monitoring	9.85
Total Vertical Displacement (cm)	-1.00
Subsidence Rate (cm/yr.)	0.07

### POR Plot



## TXWO



Processed GPS data (Source: University of Houston) over period of record. Processed GPS data (gray circles) located inside the outlier boundary (red dashed line) are used when calculating subsidence rates. Processed GPS data identified as outliers (red circles) are not considered by HGSD when calculating subsidence rates and are shown for informational purposes only.

## ArcGIS ▾ Subsidence rates in Harris, Galveston, and surrounding counties, from 2018 to 2022

Details

Basemap

About

Content

Legend

## Legend

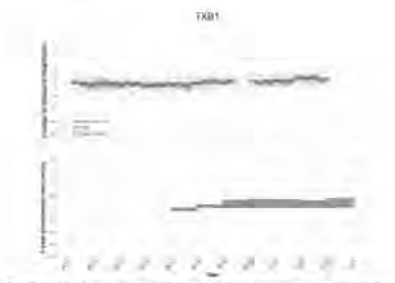
## Annual Subsidence Rates (cm/yr.) from 2018 to 2022

- Greater than 2.0
- < 2.0 - 1.5
- < 1.5 - 1.0
- < 1.0 - 0.5
- Less than 0.5 or POR less than 3 years

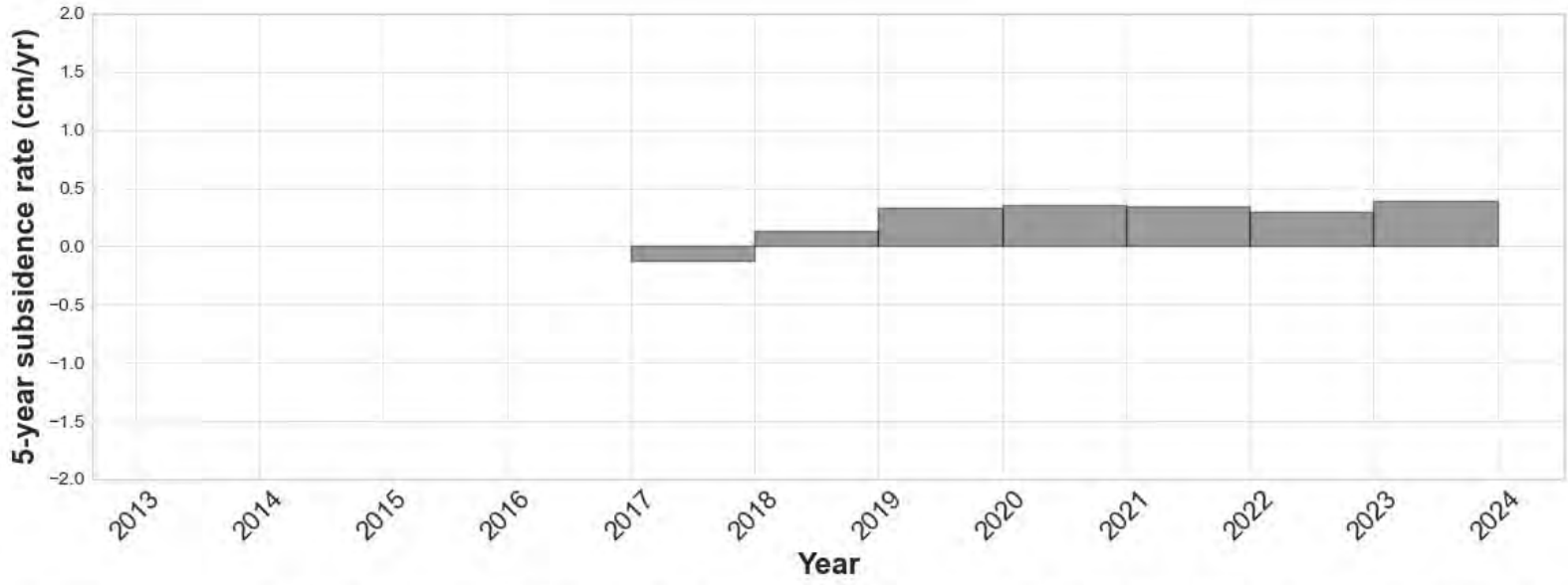
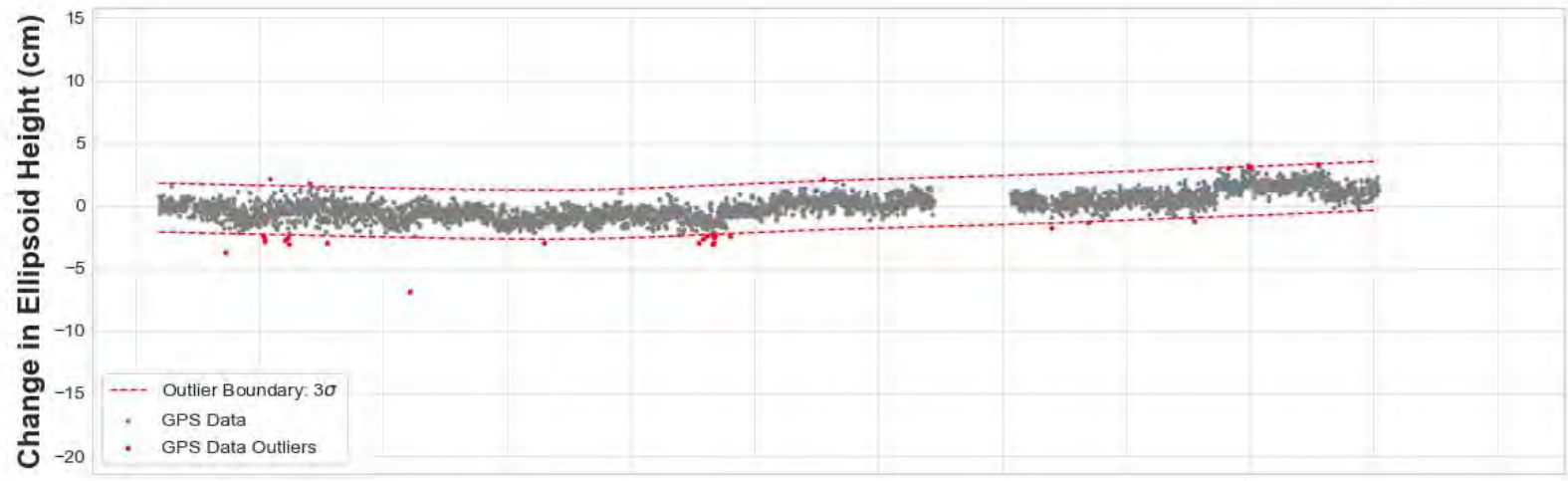
## Annual Subsidence Rate (cm yr.) from 2018 to 2022

Station Name	TXB1
Operator	Texas Department of Transportation
Latitude	30.161
Longitude	-94.181
Start Year	2013.19
End Year	2023.04
Years Monitoring	9.85
Total Vertical Displacement (cm)	1.30
Subsidence Rate (cm/yr.)	0.29

## POR Plot



# TXB1



Processed GPS data (Source: University of Houston) over period of record. Processed GPS data (gray circles) located inside the outlier boundary (red dashed line) are used when calculating subsidence rates. Processed GPS data identified as outliers (red circles) are not considered by HGSD when calculating subsidence rates and are shown for informational purposes only.

# GOAL 4.4

## ADDRESSING CONJUNCTIVE SURFACE WATER MANAGEMENT ISSUES

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### 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 2018 GMA 14 re-appointed Manager Martin as its representative to the East Texas Regional Water Planning Group ("Region I") and he served as Secretary until March of 2021 when the Region I Group appointed him Vice Chair. At the April 7, 2022 meeting the Chairman of the Region I, Kelley Holcomb, stepped down as the chairman elevating Manager Martin from the Vice Chairman position to Interim Chairman, and subsequently at the October 19, 2022 meeting was unanimously approved to be Chairman. The District's President, Roger Fussell, is also a voting member of Region I, appointed on December 11, 2017. More recently, at the April 7, 2022 Region I meeting Director Starr was appointed to Region I as a voting member.

Region I scheduled and posted notices/agendas for four meetings in 2023, which were all attended by one or more District representative (Manager Martin, President Fussell or Director Starr).

In addition to being an active participant of the Region I Water Planning Group, the District is also a member of Groundwater Management Area 14. This group's goal is the regional



# GOAL 4.4

planning for the shared groundwater resources within GMA 14 which is made up of 20 counties located over the northeastern portion of the Gulf Coast Aquifer.

The Desired Future Conditions (“DFCs”) and associated Managed Available Groundwater data are integral parts of the regional water planning process and are developed wholly by the Groundwater Management Areas. Once DFC’s are developed and approved by the TWDB, the TWDB issues a Managed Amount of Groundwater (MAG) report. GMA 14 finalized and approved new DFCs in 2022 and subsequently a new MAG was made available (MAG GR 21-019). The Regional Water Planning Groups are then required to utilize the data contained in the MAGs in the development of the regional water plans.

The table below shows each water planning group, the date of the meeting and the District’s representative(s) in attendance. At least one District representative attended 100% of both Region I and GMA 14 meetings; copies of the notices/agendas and sign-in sheets are attached. Sign-in sheets may not be available or may show that a member “signed in” virtually as Region I now allows for virtual attendance. Because of this, the meeting minutes for each meeting are included as they are the official record of the meeting and indicate all members who were “present”.

<b>Planning Group</b>	<b>Date of Meeting</b>	<b>Attendees</b>
<b>Region I Water Planning Group</b>	February 23, 2023	John Martin Roger Fussell Robb Starr
<b>Region I Water Planning Group</b>	April 19, 2023	John Martin
<b>Region I Water Planning Group</b>	June 21, 2023	John Martin Roger Fussell Robb Starr
<b>Region I Water Planning Group</b>	October 4, 2023	John Martin Robb Starr
<b>Groundwater Management Area 14</b>	March 7, 2023	John Martin
<b>Groundwater Management Area 14</b>	May 23, 2023	John Martin
<b>Groundwater Management Area 14</b>	October 26, 2023	John Martin

Additionally, all regular meeting notices/agendas of the Southeast Texas Groundwater Conservation District were provided via email to the surface water entities within the District, as well as to the Regional Water Planning Group, which then emails the notice to all Region I Members in an effort to encourage their attendance at our District meetings.



**Thursday, February 23, 2023 – 10:00 am**  
**Nacogdoches Recreation Center**  
**1112 North Street**  
**Nacogdoches, TX 75961**  
**AGENDA**

**Meeting Details and Documents can be found at:** <https://www.etexwaterplan.org/meetings/>  
**Remote Meeting Connection Information:** [Click here to join the meeting.](#)

Join via Web Browser:

<https://www.microsoft.com/microsoft-teams/join-a-meeting>

Meeting ID – 256 130 037 0811

Passcode - nMickZ

1. Call to Order
2. Invocation & Pledge of Allegiance
3. Roll Call/Determination of Quorum
4. Consideration and Approval of the minutes of the October 19, 2022 meeting
5. Reports from City of Nacogdoches – Cheryl Bartlett
6. Consideration and Approval of changing the Region C liaison
7. Reports of adjoining regions' activity:
  - a. Region C – John Martin
  - b. Region D – John McFarland
  - c. Region H – Scott Hall
  - d. Interregional Liaison – Kelley Holcomb/David Alders
8. Reports from Standing Committees:
  - a. Executive Committee – John Martin
  - b. Finance Committee – Kelley Holcomb
  - c. Bylaws Committee – David Alders
  - d. Technical Committee – Scott Hall
  - e. Nominations Committee – Monty Shank
9. Consideration and approval of FY 2023 annual budget
10. Consideration and approval of items related to East Texas Regional Water Planning Group Membership:
  - a. Resignation of Voting Members
  - b. Appointment of New Voting Members
11. Consideration and Approval of adding a Texas Commission on Environmental Quality (TCEQ) non-voting member to the planning group members
12. Consideration and Approval of Committee appointments



13. Report from consultant team:

- a. Review of 6<sup>th</sup> Cycle Water Planning schedule – Cynthia Syvarth
- b. Review of Draft Population and Municipal Demand Projections – Cynthia Syvarth

14. Reports from other state agencies, as necessary:

- a. Texas Water Development Board – Lann Bookout
- b. Texas Department of Parks & Wildlife – Stephen Lange
- c. Texas Department of Agriculture – Manual Martinez
- d. Texas Soil and Water Conservation Board – Trey Watson
- e. Groundwater Management Areas – John Martin (GMA 14) /John McFarland (GMA 11)

15. Public Comments

16. General Discussion

17. Set Next Meeting Date – April 19, 2023

18. Adjourn

Comments from members and the public will be accepted by the Planning Group as listed in the agenda items above. For questions, requests, or additional information outside of the general meeting, please visit the Planning Group website or contact the Planning Group Administrative Contact:

Website: <https://www.etexwaterplan.org/>

c/o City of Nacogdoches  
PO Box 635030  
Nacogdoches, Texas 75963-3030  
Attn: Cheryl Bartlett  
Region I Administrative Contact

936-559-2525

[regioniwater@gmail.com](mailto:regioniwater@gmail.com)



**Thursday, February 23, 2023**  
**Nacogdoches Recreation Center**  
**1112 North Street**  
**Nacogdoches, TX 75961**  
**AGENDA**

The Region I East Texas Regional Water Planning Group has an Executive Committee and four additional 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 and their meeting times and agenda items are as follows:

**Executive Committee** – 9:00 AM

1. Discuss on general RWPG meeting procedures
2. Discussion of Bylaws to develop recommendations for the Bylaws Committee

**Nominations Committee** – 9:30 AM

1. Discussion regarding Executive Committee appointments
2. Discussion regarding voting member vacancies

**By-Laws Committee** – 9:30

1. Discussion on overall Bylaws review and update

**Finance Committee** – 9:30

1. Discussion on proposed FY 2023 budget

**Technical Committee** - 9:15 AM

1. Discussion on Draft Texas Water Development Board Water Demand Projections

**New Member Orientation** – immediately following the regular meeting (approximately 11:30 AM)

This is a 20 minute informational orientation for new ETRWG members and might be a good refresher course for all members. Anyone interested is invited to attend. No ETRWPG business will be transacted.

## Region I Water User Group Meeting, Feb 23, 2023

<i>Sign -in</i>	Name	Organization	Phone	Email
<b>VOTING MEMBERS</b>		<i>Please check your contact information</i>		
<i>DA</i>	Alders, David	Agriculture	936-569-1284	<a href="mailto:alders.david@gmail.com">alders.david@gmail.com</a>
VIRTUAL	<input checked="" type="checkbox"/> Davis, Chris	Counties	903-683-2324	<a href="mailto:cojudge@cocherokee.org">cojudge@cocherokee.org</a>
	<input checked="" type="checkbox"/> Dietz, Kate	Municipalities	903-330-1421	<a href="mailto:kdietz@tylertexas.com">kdietz@tylertexas.com</a>
<i>Ron Owen</i>	Fussell, Roger	Water Utilities	409-755-1559	<a href="mailto:rogerfussell2020@gmail.com">rogerfussell2020@gmail.com</a>
VIRTUAL	<input checked="" type="checkbox"/> Gorsich, David	Industries	409-239-4514	<a href="mailto:david.m.gorsich@exxonmobil.com">david.m.gorsich@exxonmobil.com</a>
VIRTUAL	<input checked="" type="checkbox"/> Hall, Scott	River Authorities	409-892-4011	<a href="mailto:scott.hall@lnva.org">scott.hall@lnva.org</a>
	Holcomb, Kelley	River Authorities	936-633-7543	<a href="mailto:kholcomb@anra.org">kholcomb@anra.org</a>
<i>Jud Jackson</i>	Jackson, Fred L.	Counties	409-835-8466	<a href="mailto:fjackson@co.jefferson.tx.us">fjackson@co.jefferson.tx.us</a>
<i>John Martin</i>	Martin, John	GMA-14	409-383-0799	<a href="mailto:jmartin@setgcd.org">jmartin@setgcd.org</a>
<i>Matthew McBroom</i>	McBroom, Matthew	Environmental	936-468-2313	<a href="mailto:mcbroommatth@sfasu.edu">mcbroommatth@sfasu.edu</a>
<i>John McFarland</i>	McFarland, John	GMA-11	936-568-9292	<a href="mailto:jmcfarland@pgcd.org">jmcfarland@pgcd.org</a>
	Mettauer, Matthew	Agriculture	936-598-9400	<a href="mailto:matthew@mettauerlaw.com">matthew@mettauerlaw.com</a>
VIRTUAL	<input checked="" type="checkbox"/> Montagne, David Alt - Jamie East	River Authorities	409-746-2192	<a href="mailto:dmontagne@sratx.org">dmontagne@sratx.org</a>
	<input checked="" type="checkbox"/> Shank, Monty	River Authorities	903-876-2237	<a href="mailto:mdsunra@dctexas.net">mdsunra@dctexas.net</a>
	<input checked="" type="checkbox"/> Snyder, Mike	Industries	409-981-2114	<a href="mailto:msnyder@entergy.com">msnyder@entergy.com</a>
VIRTUAL	<input checked="" type="checkbox"/> Starr, Robb	Water Utilities	409-755-1559	<a href="mailto:robbs@lumbertonmud.com">robbs@lumbertonmud.com</a>
<i>Terry Stelly</i>	Stelly, Terry	Public	409-728-0268	<a href="mailto:TerrySsmxd@Aol.com">TerrySsmxd@Aol.com</a>
VIRTUAL	<input checked="" type="checkbox"/> Whitworth, Emily Alt - David Milley	Water District	903-330-1220	<a href="mailto:Ewhitowrth@yahoo.com">Ewhitowrth@yahoo.com</a>
<i>Chris Wiesinger</i>	<input checked="" type="checkbox"/> Wiesinger, Christopher	Small Business	214-683-0567 cell	<a href="mailto:cwiesinger@gmail.com">cwiesinger@gmail.com</a>



**MINUTES OF THE  
REGION I - EAST TEXAS REGIONAL WATER PLANNING GROUP MEETING  
Thursday, February 23, 2023 – 10:00 A.M.**

1. **Call to Order** – Chairman John Martin called the meeting to order at 10:13 A.M.
2. **Invocation/Pledge** – David Alders led the invocation. John Martin led the Pledge.
3. **Roll Call/Determination of Quorum** – The roll was called by Cheryl Bartlett and quorum was determined as follows:

**Voting Members Present: (15 of 22)**

David Alders - Agriculture  
Chris Davis – Counties (*Virtual*)  
Roger Fussell – Water Utility  
Scott Hall – River Authority (*Virtual*)  
Kelley Holcomb – River Authority  
Fred Jackson – Counties  
John Martin – GMA-14  
Matthew McBroom - Environmental  
John McFarland – GMA-11  
Matthew Mettauer - Agriculture  
Jamie East proxy for David Montagne – River Authority (*Virtual*)  
Rob Starr – Water Utilities (*Virtual*)  
Terry D. Stelly – Public  
David Miley proxy for Emily Whitworth – Water District (*Virtual*)  
Christopher Wiesinger – Small Business

**Voting Members Absent: (4)**

Kate Dietz - Municipality  
David Gorsich – Industry  
Monty Shank – River Authority  
Mike Snyder - Industry

**Voting Member Category Vacancies: (3)**

Environmental  
Small Business  
Public

**Other Attendees**

**Agencies:**

Lann Bookout - Texas Water Development Board  
Teresa Griffin – Panola County GCD  
Leticia Honstein - Public

**Staff and Consultants:**

Cheryl Bartlett - City of Nacogdoches	Brigit Buff, PE – Plummer Asso.
Cynthia Syvarth, PE - Plummer Asso.	Jordan Skipwith – Freese & Nichols

**4. Consideration and Approval of the minutes of the October 19, 2022 meeting**

Roger Fussell made a motion to approve the minutes of the October 19, 2022 meeting as presented, 2<sup>nd</sup> by Rob Starr, passed unanimously.

**5. Report from City of Nacogdoches**

Cheryl Bartlett reported that contracts with TWDB and subcontracts with Plummer were approved by the Nacogdoches City Council. Letters and invoices have been sent out to the counties - thanks to Kelley Holcomb and Cynthia Syvarth for their assistance. Reminder to all voting members that they are required to complete trainings for both the Open Meetings Act and Public Information Act. The trainings have been updated with regulations concerning virtual meetings. There is a Travel Expense Reimbursement Form posted in the meetings folder. There are now funds available in TWDB grant to reimburse members for travel IF they are not eligible to be reimbursed by another entity (government or business). Please attach a map app showing proof of mileage between two addresses to the form.

**6. Consideration and Approval of changing the Region C liason:**

Kelley Holcomb made a motion to accept David Montagne for this position. 2<sup>nd</sup> by John McFarland; motion passed unanimously.

**7. Reports of adjoining regions activity:**

- a. Region C – Jamie East for David Montagne: no report
- b. Region D – John McFarland: Region D is in approximately the same position we are in the planning cycle.
- c. Region H –Scott Hall: Region H met Feb 1 and is also in the about same place in the planning cycle.
- d. Interregional Liaison – Kelley Holcomb: Interregional Planning Council met on Nov 9<sup>th</sup> for inaugural meeting for the Round 6 planning cycle. There was much discussion to determine operations and procedural issues for and Mark Evans from Region H was elected Chair of the committee. Also reviewed the 2020 TWDB report from Round 5 and discussed the how it addressed some of the conflict issues and coordination between regions. The next meeting is March 9 and will be televised. Lann Bookout mentioned that information and updates on activities of the Interregional Council can be found on the TWDB website. <https://www.twdb.texas.gov/waterplanning/rwp/ipc/index.asp>

**8. Report from Standing Committees:**

- a. Executive Committee – John Martin: met this morning and discussed changes that need to be made to the bylaws. Plan to have David Alders bring those proposed changes to the next meeting for approval.
- b. Finance Committee – Kelley Holcomb: Invoices were sent to the counties. We need to formally approve the budget that was sent out. (Refer to Item 9 on this agenda)
- c. Bylaws Committee – David Alders: several updates to the by-laws have been suggested. David will meet with Roger to develop the changes to be presented at a future meeting.
- d. Technical Committee – Scott Hall: no report



- e. Nominations Committee – Monty Shank: not present. John reported that Monty will have nominations for positions at a future meeting, after some issues with the by-laws are resolved.

**9. Consideration and approval of FY 2023 annual budget**

Kelley Holcomb presented essentially the same budget as the previous planning cycle for the remainder of this cycle. The income amount on this budget was used to apportion the amounts printed on the invoices that were sent to the counties. Motion to approve by Matthew McBroom, 2<sup>nd</sup> by David Alders, passed unanimously.

**10. Consideration and approval of items related to East Texas Regional Water Planning Group Membership:**

- a. **Resignation of Voting Members**
- b. **Appointment of New Voting Members**

No action taken at this time.

**11. Consideration and approval of adding a Texas Commission on Environmental Quality (TCEQ) non-voting member to the planning group members**

This is a recommendation from the Interregional Planning Council for all Planning Groups. Region I area is located in both the Beaumont and Tyler TCEQ Regions. John suggested that we notify both regions of our meetings and let them decide who will represent their agency. David Alders made the motion, 2<sup>nd</sup> by Roger Fussell, passed unanimously.

**12. Consideration and approval of committee appointments**

No action on this item. (Changes to the bylaws may change the makeup of committees in the future.)

**13. Report from consultant team – Cynthia Syvarth, PE, Plummer Asso.**

John Martin reported that Cynthia Syvarth will be leaving Plummer after about 10 years working on the Region I consultant team. Brigit Buff was introduced as the new Team Leader from Plummer working with our Region.

- a. Review of 6<sup>th</sup> Cycle Water Planning schedule

Cynthia showed the planning cycle calendar (available on the Region I website) and stated that Region I is currently in year three of the 5-Year Planning Cycle. Completed tasks updated in the list include draft population and municipal demand projections that were released by TWDB earlier this month and updated mags which were released a few days before our October meeting. Three new tasks related to infeasible water strategies have been added to the task list. These strategies will need Member Group approval by June 2024.

Cynthia reviewed the items on the schedule that need to be addressed in the next 6 months.

Due July 2023: final revisions to non-municipal water demand projections.

Due August 2023: final revisions to municipal water demand projections.

We will need input from regional members regarding adjustments to these that need to be made. Draft projections will be posted on the website with the documentation requirements that need to be submitted to TWDB to make the adjustments.

b. Review of available Draft Projections & Methodology

The data and the methodology used for these projections can be found in the slide presentation for this meeting on the Planning Group Website in the meeting folder. <https://www.etexwaterplan.org/meetings/>

There was much discussion by members about the possible inaccuracies in the county population numbers, which ultimately affect water demand. Cynthia presented some of the adjustments (migration rates, census data, passive savings) that are made by TWDB and how they affected Region I population statistics. She reviewed the process to submit documentation to TWDB to change the population numbers used for this planning cycle. (1) Obtain any information from counties or cities who have submitted official documentation to challenge the census bureau numbers. (2) Adjust the population growth rate and migration rate according to net population changes identified in #1 by using actual water use statistics (number of meters and water usage) from cities and other water providers. When asked about the reality of getting the changes accepted by TWDB, Lann said that it might be difficult to get adjustments made to the census data in the time frame required for our reporting. Scott Hall suggested that, since TWDB would probably not allow these changes now, we make a note in our report to represent our case for the inaccurate data and projections. David Alders suggested trying to use data showing the growth in the number of water meters since fighting census data looks like a difficult process. There was general consensus within the group to these ideas.

Cynthia said that the consulting team would reach out to the county judges and water providers for their comments on the numbers that we have from census data so that they could add these notes in the report. She also requested that all Region I members help make these contacts also and to submit any information they might have access to.

**14. Reports from other state agencies, as necessary:**

a. Texas Water Development Board – Lann Bookout

Lann said TWDB is following state legislative actions and will be putting out information that affects regional water groups as needed. He also reminded everyone about the July & August due dates discussed earlier.

b. Texas Department of Parks & Wildlife – not present.

c. Texas Department of Agriculture – Manuel Martinez (virtual) – Reported that the department is currently involved in sponsoring exhibits at the Houston Livestock Show & Rodeo.

d. Texas Soil and Water Conservation Board – not present.

e. Groundwater Management Areas –

John McFarland (GMA 11) – Groundwater Districts received an updated groundwater availability model last year and each District was to vote on/approve a managed available

groundwater estimate and GMA 11 is currently in the process of updating the groundwater management plan and adopting the new numbers.

John Martin (GMA 14) – basically echoed the statement from GMA 11 above. Groundwater Districts also work on a 5-year cycle like the regional water planning groups and their data is submitted to the WUGs. GMA 14 will meet March 7<sup>th</sup> to discuss the new model.

**15. Public Comments** - no public comments

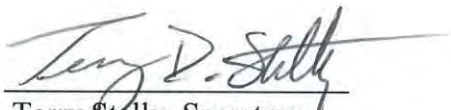
**16. General Discussion** – Matthew McBroom asked for clarification on a TWDB methodology change. Previously, counties could hold their population flat for future periods but in this cycle, it was changed to no longer allow that. Lann confirmed that the methodology had changed.

**17. Set Next Meeting Dates** – April 19, 2023 and June 21, 2023.

**18.** Adjourned at 11:42

APPROVED THIS 4-19-23

  
\_\_\_\_\_  
John Martin, Chair  
ETRWPG – Region I

ATTEST:   
\_\_\_\_\_  
Terry Stelly, Secretary



**Wednesday, April 19<sup>th</sup>, 2023 – 10:00 AM**  
**Nacogdoches Recreation Center**  
**1112 North Street**  
**Nacogdoches, TX 75961**  
**AGENDA**

**Meeting Details and Documents can be found at:** <https://www.etexwaterplan.org/meetings/>  
**Remote Meeting Connection Information:** [Click here to join the meeting](#)

Join via Web Browser:

<https://www.microsoft.com/microsoft-teams/join-a-meeting>  
Meeting ID – 287 426 743 866  
Passcode - BM2pVX

1. Call to Order
2. Invocation & Pledge of Allegiance
3. Notice of Meeting
4. Roll Call/Determination of Quorum
5. Consideration and Approval of the minutes of the February 23, 2023 meeting
6. Consideration and Approval of items related to East Texas Regional Water Planning Group Membership:
  - a. Resignation of Voting Members
  - b. Appointment of New Voting Members
7. Reports from City of Nacogdoches – Cheryl Bartlett
8. Reports of Adjoining Regions' Activity:
  - a. Region C – David Montagne
  - b. Region D – John McFarland
  - c. Region H – Scott Hall
  - d. Interregional Liaison – Kelley Holcomb
9. Reports from Standing Committees:
  - a. Executive Committee – John Martin
  - b. Finance Committee – Kelley Holcomb
  - c. Bylaws Committee – David Alders
  - d. Technical Committee – Scott Hall
  - e. Nominations Committee – Monty Shank
10. Report from Consultant Team with Discussion and Possible Action by Regional Water Planning Group:
  - a. Review of 6<sup>th</sup> Cycle Water Planning schedule – Brigit Buff
  - b. Review, Discussion, and Possible Action on Draft Non-Municipal Demands – Brigit Buff & Jordan Skipwith
  - c. Update and Discussion on Municipal Water Demands – Brigit Buff & Jordan Skipwith



11. Reports from other state agencies, as necessary:
  - a. Texas Water Development Board – Lann Bookout
  - b. Texas Department of Parks & Wildlife – Stephen Lange
  - c. Texas Department of Agriculture – Manual Martinez
  - d. Texas Soil and Water Conservation Board – Trey Watson
  - e. Groundwater Management Areas – John Martin/John McFarland
12. Public Comments (limited to 3 minutes)
13. General Discussion
14. Set Next Meeting Date – June 21, 2023
15. Adjourn

Comments from members and the public will be accepted by the Planning Group as listed in the agenda items above. For questions, requests, or additional information outside of the general meeting, please visit the Planning Group website or contact the Planning Group Administrative Contact:

Website: <https://www.etewaterplan.org/>

c/o City of Nacogdoches  
PO Box 635030  
Nacogdoches, Texas 75963-3030  
Attn: Cheryl Bartlett  
Region I Administrative Contact

936-559-2528  
[regioniwater@gmail.com](mailto:regioniwater@gmail.com)



**Wednesday, April 19, 2023**  
**Nacogdoches Recreation Center**  
**1112 North Street**  
**Nacogdoches, TX 75961**  
**AGENDA**

The Region I East Texas Regional Water Planning Group has an Executive Committee and four additional 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 and their meeting times and agenda items are as follows:

**Executive Committee** – No Meeting

**Nominations Committee** – 9:30 AM

1. Discussion regarding Executive Committee appointments
2. Discussion regarding voting member vacancies

**By-Laws Committee** - No Meeting

**Finance Committee** - No Meeting

**Technical Committee** - No Meeting

## Region I Water User Group Meeting, April 19, 2023

<i>Sign -in</i>	Name	Organization	Phone	Email
<b>VOTING MEMBERS</b>		<i>Please check your contact information</i>		
	X Alders, David	Agriculture	936-569-1284	<a href="mailto:alders.david@gmail.com">alders.david@gmail.com</a>
VIRTUAL	Davis, Chris	Counties	903-683-2324	<a href="mailto:cojudge@cocherokee.org">cojudge@cocherokee.org</a>
Kate Diety	Dietz, Kate	Municipalities	903-330-1421	<a href="mailto:kdietz@tylertexas.com">kdietz@tylertexas.com</a>
	X Fussell, Roger	Water Utilities	409-755-1559	<a href="mailto:rogerfussell2020@gmail.com">rogerfussell2020@gmail.com</a>
VIRTUAL	Gorsich, David	Industries	409-239-4514	<a href="mailto:david.m.gorsich@exxonmobil.com">david.m.gorsich@exxonmobil.com</a>
VIRTUAL	Hall, Scott <i>Alternate Yassin</i>	River Authorities	409-892-4011	<a href="mailto:scott.hall@lnva.org">scott.hall@lnva.org</a>
<i>Jhe</i>	Holcomb, Kelley	River Authorities	936-633-7543	<a href="mailto:kholcomb@anra.org">kholcomb@anra.org</a>
	X Jackson, Fred L.	Counties	409-835-8466	<a href="mailto:fjackson@co.jefferson.tx.us">fjackson@co.jefferson.tx.us</a>
<i>Bl Mont</i>	Martin, John	GMA-14	409-383-0799	<a href="mailto:jmartin@setgcd.org">jmartin@setgcd.org</a>
<i>Matthew Broom</i>	McBroom, Matthew	Environmental	936-468-2313	<a href="mailto:mcbroommatth@sfasu.edu">mcbroommatth@sfasu.edu</a>
<i>John McFarland</i>	McFarland, John	GMA-11	936-568-9292	<a href="mailto:jmcfarland@pgcd.org">jmcfarland@pgcd.org</a>
<i>Matthew Mettauer</i>	Mettauer, Matthew	Agriculture	936-598-9400	<a href="mailto:matthew@mettauerlaw.com">matthew@mettauerlaw.com</a>
VIRTUAL	Montagne, David	River Authorities	409-746-2192	<a href="mailto:dmontagne@sratx.org">dmontagne@sratx.org</a>
<i>Monty Shank</i>	Shank, Monty	River Authorities	903-876-2237	<a href="mailto:mdsunra@dctexas.net">mdsunra@dctexas.net</a>
	X Snyder, Mike	Industries	409-981-2114	<a href="mailto:msnyder@entergy.com">msnyder@entergy.com</a>
	X Starr, Robb	Water Utilities	409-755-1559	<a href="mailto:robbs@lumbertonmud.com">robbs@lumbertonmud.com</a>
<i>Terry D. Stelly</i>	Stelly, Terry	Public	409-728-0268	<a href="mailto:TerrySsmxd@Aol.com">TerrySsmxd@Aol.com</a>
<i>David Miley</i>	Whitworth, Emily Alt - David Miley	Water District	903-330-1220	<a href="mailto:Ewhitowrth@yahoo.com">Ewhitowrth@yahoo.com</a>
VIRTUAL	Wiesinger, Christopher	Small Business	214-683-0567 cell	<a href="mailto:cwiesinger@gmail.com">cwiesinger@gmail.com</a>





**MINUTES OF THE  
REGION I - EAST TEXAS REGIONAL WATER PLANNING GROUP MEETING  
Wednesday, April 19, 2023 – 10:00 A.M.**

1. **Call to Order** – Chairman John Martin called the meeting to order at 10:06 A.M.
2. **Invocation/Pledge** – Matthew McBroom led the invocation. John Martin led the Pledge.
3. **Notice of Meeting** – Notice was sent to Voting Members and posted as required.
4. **Roll Call/Determination of Quorum** – The roll was called by Cheryl Bartlett and quorum was determined as follows:

**Voting Members Present: (14 of 22)**

Chris Davis – Counties (*Virtual*)  
Kate Dietz - Municipality  
David Gorsich – Industry (*Virtual*)  
Yassin Gallardo proxy for Scott Hall – River Authority (*Virtual*)  
Kelley Holcomb – River Authority  
John Martin – GMA-14  
Matthew McBroom - Environmental  
John McFarland – GMA-11  
Matthew Mettauier - Agriculture  
David Montagne – River Authority (*Virtual*)  
Monty Shank – River Authority  
Terry D. Stelly – Public  
David Miley proxy for Emily Whitworth – Water District  
Christopher Wiesinger – Small Business (*Virtual*)

**Voting Members Absent: (5)**

David Alders - Agriculture  
Roger Fussell – Water Utility  
Fred Jackson – Counties  
Mike Snyder – Industry  
Rob Starr – Water Utilities

**Voting Member Category Vacancies: (3)**

Environmental  
Small Business  
Public

**Other Attendees**

**Agencies:**

Lann Bookout - Texas Water Development Board  
Teresa Griffin – Panola County GCD  
Chang Lee - DWU

**Staff and Consultants:**

Cheryl Bartlett - City of Nacogdoches  
Brigit Buff, PE – Plummer Asso.  
Jordan Skipwith – Freese & Nichols

5. **Consideration and Approval of the minutes of the February 23, 2023 meeting**  
Matthew McBroom made a motion to approve the minutes of the February 23, 2023 meeting as presented, 2<sup>nd</sup> by John McFarland, passed unanimously.
6. **Consideration and Approval of items related to East Texas Regional Water Planning Group Membership**  
John Martin reported no resignations or appointments at this time.
7. **Report from City of Nacogdoches**  
Cheryl Bartlett: Letters and invoices were sent out to the counties before the February meeting, and we have received payments from 14 out of the 20 counties in our Region.  
A Pay Request was submitted to the TWDB and we received an email yesterday (4/18) that payment processing is taking 7-9 weeks.  
Financial statements were sent out to members and available at the door. No one had questions.
8. **Reports of adjoining regions activity:**
  - a. Region C – David Montagne: no report at this time. Region C will meet June 12<sup>th</sup>.
  - b. Region D – John McFarland: Region D met on March 15<sup>th</sup> and had discussions on population projections similar to the discussion we had in February.  
David Montagne reported that an unsuccessful attempt was made yesterday (4/18) to amend the sunset bill to remove Marvin Nichols as a planned reservoir in Region D.
  - c. Region H – Scott Hall: no report.
  - d. Interregional Liaison – Kelley Holcomb: Interregional Planning Council met on March 9<sup>th</sup> – mostly still in the organizational phase. Next meeting planned for May 30<sup>th</sup>.  
(Reminder: activities of the Interregional Council can be found on the TWDB website. <https://www.twdb.texas.gov/waterplanning/rwp/ipc/index.asp>)
9. **Report from Standing Committees:**
  - a. Executive Committee – John Martin: no meeting
  - b. Finance Committee – Kelley Holcomb: Still working on organizing the Finances. We had a good response from the Counties with 14 out of 20 paying memberships.
  - c. Bylaws Committee – David Alders: no report
  - d. Technical Committee – John Martin (for Scott Hall) reported that Technical Committee has not met recently but will be meeting before our June meeting.
  - e. Nominations Committee – Monty Shank: no report.
10. **Report from consultant team – Brigit Buff, Plummer Asso. & Jordan Skipwith, Freese & Nichols**
  - a. Review of 6<sup>th</sup> Cycle Water Planning schedule  
  
Brigit reviewed the planning cycle calendar (available on the Region I website) and the plans/goals for the **June 21<sup>st</sup> and July 27<sup>th</sup>** (added, cb) meetings. The deadline for final revisions and approval of non-municipal demands and projections is **July 14<sup>th</sup>** and municipal population and demands projections are due by **August 11<sup>th</sup>**.

b. Review of Draft Non-Municipal Demands

Brigit reported that the consulting team has contacted county judges and water providers for their comments on the numbers that we have from census data, but they have only heard from 2 out of 20 counties and about 10 out of 200 water providers. They will continue to contact these entities more directly before the June meeting and requested assistance from all Region I members to help with the efforts if they have contacts and/or supplemental information.

There was much discussion on all 5 areas of non-municipal water demands and the methodologies used to determine the numbers used for the draft report. The discussion included: (1) changes in methodology used for irrigation for 4 counties due to water use in drought years, (2) adjustments made by TWDB for the historical data used for numbers of broilers, (3) consultants' recommendation to adopt maximum water usage for livestock from 2015-19 for baseline (instead of the 10 year average that included drought years 2010-11) and (4) potential new facilities that would impact manufacturing water use projections. A comparison showing the differences between the draft non-municipal demands from TWDB and our current draft regional demand projections was also presented.

c. Update on Municipal Water Demands

Brigit reviewed the TWDB population projection methodology. Planning group members discussed issues with the state projected census and migration numbers and the change in methodologies used to determine population decline in some counties. They also discussed the state-offered options to adopt different migration methods by county, but that the net total population numbers for the region may not be adjusted. Matthew McBroom mentioned a 2022 release from the federal census bureau website that reports that population numbers for Texas counties may be underestimated by up to 2%. The state has not adopted any changes from that report at this point. The Consulting Team plans to gather actual data from the major water suppliers in the Region and compare to TWDB projections to determine the variance and whether there is a need for further evaluation. Other WUGs have requested using the 2021 population projections as a starting point instead of the numbers proposed by TWDB but have received no answers as to whether that will be allowed or not.

Note that more details and the data and the methodology used for both non-municipal and municipal water demands projections can be found in the slide presentation for this meeting on the Planning Group Website in the meeting folder. <https://www.etexwaterplan.org/meetings/>

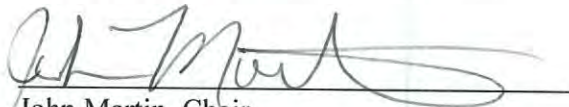
**11. Reports from other state agencies, as necessary:**

- a. Texas Water Development Board – Lann Bookout, no report.
- b. Texas Department of Parks & Wildlife – not present, no report.
- c. Texas Department of Agriculture – Manuel Martinez (virtual) – Highlighted several new developments and grant projects that were awarded to entities in the East Texas area region.
- d. Texas Soil and Water Conservation Board – not present, no report.

- e. Groundwater Management Areas –  
John McFarland (GMA 11) – Four of the five Groundwater Districts in Region I were represented in this meeting. GMAs created ground water availability models last year and are currently working on updating management plans that are due on various dates later this year and early next year. When the plans are completed, they will be shared with Region I members.  
John Martin (GMA 14) – They are working through a new model for the Gulf Coast Area and making sure that it works for GMA 14. Also updating their management plan as part of the 5-year cycle.

12. **Public Comments** - no public comments.
13. **General Discussion** was held concerning member availability for meeting dates for June and July ahead of TWDB deadlines in July and August.
14. **Set Next Meeting Dates – Wed, June 21, 2023 and Thurs, July 27, 2023 at 9:00 am.**
15. Adjourned at 12:26 pm.

APPROVED THIS \_\_\_\_\_



John Martin, Chair  
ETRWPG – Region I

ATTEST:



Terry Stelly, Secretary



**Wednesday, June 21<sup>st</sup>, 2023 – 10:00 AM**  
**Nacogdoches Recreation Center**  
**1112 North Street**  
**Nacogdoches, TX 75961**  
**AGENDA**

**Meeting Details and Documents can be found at:** <https://www.etexwaterplan.org/meetings/>  
**Remote Meeting Connection Information:** [Click here to join the meeting](#)

Join via Web Browser:

<https://www.microsoft.com/microsoft-teams/join-a-meeting>

Meeting ID – 210 515 453 98

Passcode - z9BnvW

1. Call to Order
2. Invocation & Pledge of Allegiance
3. Notice of Meeting
4. Roll Call/Determination of Quorum
5. Public Comments
6. Consideration and Approval of the minutes of the April 19, 2023 meeting
7. Reports from City of Nacogdoches – Cheryl Bartlett
8. Reports of Adjoining Regions' Activity:
  - a. Region C – David Montagne
  - b. Region D – John McFarland
  - c. Region H – Scott Hall
  - d. Interregional Liaison – Kelley Holcomb
9. Reports from Standing Committees:
  - a. Executive Committee – John Martin
  - b. Finance Committee – Kelley Holcomb
  - c. Bylaws Committee – David Alders
  - d. Technical Committee – Scott Hall
  - e. Nominations Committee – Monty Shank
10. Action for consideration and adoption of updates to the Bylaws
11. Report from Consultant Team with Discussion and Possible Action by Regional Water Planning Group:
  - a. Review of 6<sup>th</sup> Cycle Water Planning schedule – Brigit Buff
  - b. Review and Action on Recommended Non-Municipal Demands – Brigit Buff
  - c. Update, Discussion, and Possible Action on Population Projections, GPCDs, and Municipal Water Demands – Brigit Buff & Jordan Skipwith
  - d. Discussion on new required Infeasible Strategy assessment of 2021 water management strategies – Brigit Buff



12. Reports from other state agencies, as necessary:

- a. Texas Water Development Board – Lann Bookout
- b. Texas Department of Parks & Wildlife – Stephen Lange
- c. Texas Department of Agriculture – Manual Martinez
- d. Texas Soil and Water Conservation Board – Trey Watson
- e. Groundwater Management Areas – John Martin/John McFarland

13. General Discussion

14. Set Next Meeting Date – Thursday, July 27, 2023

15. Adjourn

Comments from members and the public will be accepted by the Planning Group as listed in the agenda items above. For questions, requests, or additional information outside of the general meeting, please visit the Planning Group website or contact the Planning Group Administrative Contact:

Website: <https://www.ETEXwaterplan.org/>

c/o City of Nacogdoches  
PO Box 635030  
Nacogdoches, Texas 75963-3030  
Attn: Cheryl Bartlett  
Region I Administrative Contact

936-559-2528  
[regioniwater@gmail.com](mailto:regioniwater@gmail.com)



**Wednesday, June 21<sup>st</sup>, 2023**  
**Nacogdoches Recreation Center**  
**1112 North Street**  
**Nacogdoches, TX 75961**  
**AGENDA**

The Region I East Texas Regional Water Planning Group has an Executive Committee and four additional 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 and their meeting times and agenda items are as follows:

**Executive Committee** – No Meeting

**Nominations Committee** – No Meeting

**By-Laws Committee** – 9:30 AM

1. Discussion on recommendations for updates to Bylaws

**Finance Committee** - No Meeting

**Technical Committee** – Meeting held June 2, 2023

1. Discussed recommended non-municipal demands for the 2026 Region I Water Plan

## Region I Water User Group Meeting, June 21, 2023




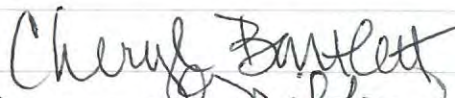
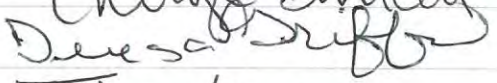

Sign -in	Name	Organization	Phone	Email
<b>VOTING MEMBERS</b>				
				<i>Please check your contact information</i>
<i>David Alders</i>	<input checked="" type="checkbox"/> Alders, David	Agriculture	936-569-1284	<a href="mailto:alders.david@gmail.com">alders.david@gmail.com</a>
	<input type="checkbox"/> Davis, Chris	Counties	903-683-2324	<a href="mailto:cojudge@cocherokee.org">cojudge@cocherokee.org</a>
<i>Kathleen Dietz</i>	<input checked="" type="checkbox"/> Dietz, Kate	Municipalities	903-330-1421	<a href="mailto:kdietz@tylertexas.com">kdietz@tylertexas.com</a>
<i>Roger Fussell</i>	<input checked="" type="checkbox"/> Fussell, Roger	Water Utilities	409-755-1559	<a href="mailto:rogerfussell2020@gmail.com">rogerfussell2020@gmail.com</a>
	<input type="checkbox"/> Gorsich, David	Industries	409-239-4514	<a href="mailto:david.m.gorsich@exxonmobil.com">david.m.gorsich@exxonmobil.com</a>
VIRTUAL	<input checked="" type="checkbox"/> Hall, Scott	River Authorities	409-892-4011	<a href="mailto:scott.hall@lnva.org">scott.hall@lnva.org</a>
<i>Scott Hall</i>	<input checked="" type="checkbox"/> Holcomb, Kelley	River Authorities	936-633-7543	<a href="mailto:kholcomb@anra.org">kholcomb@anra.org</a>
VIRTUAL	<input checked="" type="checkbox"/> Jackson, Fred L.	Counties	409-835-8466	<a href="mailto:fjackson@co.jefferson.tx.us">fjackson@co.jefferson.tx.us</a>
<i>Fred L. Jackson</i>	<input checked="" type="checkbox"/> Martin, John	GMA-14	409-383-0799	<a href="mailto:jmartin@setgcd.org">jmartin@setgcd.org</a>
<i>Matthew McBroom</i>	<input checked="" type="checkbox"/> McBroom, Matthew	Environmental	936-468-2313	<a href="mailto:mcbroommatth@sfasu.edu">mcbroommatth@sfasu.edu</a>
<i>John McFarland</i>	<input checked="" type="checkbox"/> McFarland, John	GMA-11	936-568-9292	<a href="mailto:jmcfarland@pgcd.org">jmcfarland@pgcd.org</a>
	<input type="checkbox"/> Mettauer, Matthew	Agriculture	936-598-9400	<a href="mailto:matthew@mettauerlaw.com">matthew@mettauerlaw.com</a>
VIRTUAL	<input checked="" type="checkbox"/> Montagne, David	River Authorities	409-746-2192	<a href="mailto:dmontagne@sratx.org">dmontagne@sratx.org</a>
<i>Monty Shank</i>	<input checked="" type="checkbox"/> Shank, Monty	River Authorities	903-876-2237	<a href="mailto:mdsunra@dctexas.net">mdsunra@dctexas.net</a>
	<input type="checkbox"/> Snyder, Mike	Industries	409-981-2114	<a href="mailto:msnyder@entergy.com">msnyder@entergy.com</a>
VIRTUAL	<input checked="" type="checkbox"/> Starr, Robb	Water Utilities	409-755-1559	<a href="mailto:robbs@lumberonmud.com">robbs@lumberonmud.com</a>
<i>Terry D. Stelly</i>	<input checked="" type="checkbox"/> Stelly, Terry	Public	409-728-0268	<a href="mailto:TerrySsmxd@Aol.com">TerrySsmxd@Aol.com</a>
	<input type="checkbox"/> Whitworth, Emily	Water District	903-330-1220	<a href="mailto:Ewhitowrth@yahoo.com">Ewhitowrth@yahoo.com</a>
VIRTUAL	<input checked="" type="checkbox"/> Wiesinger, Christopher	Small Business	214-683-0567 cell	<a href="mailto:cwiesinger@gmail.com">cwiesinger@gmail.com</a>

*Yassin (alt)*

*checked in did not stay*



## Region I Water User Group Meeting, June 21, 2023

Sign -in	Name	Organization	Phone	Email
<b>NON VOTING MEMBERS / GUESTS</b>				
	Bookout, Lann	TWDB	512-936-9439	<a href="mailto:lann.bookout@twdb.texas.gov">lann.bookout@twdb.texas.gov</a>
	Martinez, Manuel	Tx Dept of Agriculture	713-677-9814	<a href="mailto:manuel.martinez@texasagriculture.gov">manuel.martinez@texasagriculture.gov</a>
	Watson, Trey	Tx State Soil & Water Conserv Bd		<a href="mailto:twatson@tsswcb.texas.gov">twatson@tsswcb.texas.gov</a>
	Price, Daniel	TPWD	936-569-8547	<a href="mailto:daniel.price@tpwd.texas.gov">daniel.price@tpwd.texas.gov</a>
	Buff, Brigit, PE	Plummer	512-687-2185	<a href="mailto:csyvarth@plummer.com">csyvarth@plummer.com</a>
	✓ McCann, Cody	Plummer	817-806-1776	<a href="mailto:cmccann@plummer.com">cmccann@plummer.com</a>
	Skipwith, Jordan	Freese & Nichols		<a href="mailto:jordan.skipwith@freese.com">jordan.skipwith@freese.com</a>
	?	TCEQ		
	Bartlett, Cheryl	City of Nacodoches	936-554-7839	<a href="mailto:regioniwater@gmail.com">regioniwater@gmail.com</a>
	Teresa Griffin	PCGED		<a href="mailto:tgriffin@pcged.org">tgriffin@pcged.org</a>
	Lee, Chang - virtual (audio)			

**MINUTES OF THE  
REGION I - EAST TEXAS REGIONAL WATER PLANNING GROUP MEETING  
Wednesday, June 21, 2023 – 10:00 A.M.**

1. **Call to Order** – Chairman John Martin called the meeting to order at 10:07 A.M.
2. **Invocation/Pledge** – Matthew McBroom led the invocation. John Martin led the Pledge.
3. **Notice of Meeting** – Notice was sent to Voting Members and posted as required.
4. **Roll Call/Determination of Quorum** – The roll was called by Cheryl Bartlett and quorum was determined as follows:

**Voting Members Present: (14 of 22)**

David Alders - Agriculture  
Kate Dietz - Municipality  
Roger Fussell – Water Utility  
Yassin Gallardo proxy for Scott Hall – River Authority (*Virtual*)  
Kelley Holcomb – River Authority  
Fred Jackson – Counties (*Virtual*)  
John Martin – GMA-14  
Matthew McBroom - Environmental  
John McFarland – GMA-11  
David Montagne – River Authority (*Virtual*)  
Monty Shank – River Authority  
Rob Starr – Water Utilities (*Virtual*)  
Terry D. Stelly – Public  
Christopher Wiesinger – Small Business (*Virtual*)

**Voting Members Absent: (5)**

Chris Davis – Counties  
David Gorsich – Industry (*Virtual*)  
Matthew Mettauer - Agriculture  
Mike Snyder – Electric Power  
Emily Whitworth – Water District

**Voting Member Category Vacancies: (3)**

Environmental  
Small Business  
Public

**Other Attendees**

**Agencies:**

Lann Bookout - Texas Water Development Board  
Teresa Griffin – Panola County GCD  
Chang Lee - DWU (*Virtual*)

**Staff and Consultants:**

Cheryl Bartlett - City of Nacogdoches  
Brigit Buff, PE – Plummer Asso.  
Cody McCann – Plummer Asso. (*Virtual*)  
Jordan Skipwith – Freese & Nichols

**5. Public Comments : None**

**6. Consideration and Approval of the minutes of the April 19, 2023 meeting**

Kelley Holcomb made a motion to approve the minutes of the April 19, 2023 meeting as presented, 2<sup>nd</sup> by John McFarland, passed unanimously.

**7. Report from City of Nacogdoches**

Cheryl Bartlett: Payment from the counties for the Admin account are still outstanding for 5 counties – Tyler, Hardin, Shelby, Houston and Panola. John asked that any members in those counties to reach out if they know anyone that could help with that.

Two Pay Requests (from Plummer) were submitted to the TWDB several months ago. We received a request for 4 minor changes which were submitted May 31 – have not received any further updates at this time.

**8. Reports of adjoining regions activity:**

a. Region C – David Montagne: Jason Stovall attended the last meeting (June 12<sup>th</sup>) – nothing of significance to report at this time.

b. Region D – John McFarland: attended the last meeting – nothing significant to report.

c. Region H – Yassin Gallardo for Scott Hall: no report.

d. Interregional Liaison – Kelley Holcomb: Interregional Planning Council met on May 30<sup>th</sup> - still in the organizational mode. Establishing parameters for the report format for this Planning-Cycle.

(Reminder: activities of the Interregional Council can be found on the TWDB website. <https://www.twdb.texas.gov/waterplanning/rwp/ipc/index.asp>)

**9. Report from Standing Committees:**

a. Executive Committee – John Martin: no meeting

b. Finance Committee – Kelley Holcomb: no meeting

c. Bylaws Committee – David Alders: will defer report to Agenda Item #10

d. Technical Committee –

Matthew McBroom reported that the Technical Committee met May 21<sup>st</sup> with the consultant team to review updated numbers for this cycle. The biggest change for us is in the livestock numbers – we will be able to use the maximum use by county which should be more reasonable and closer to what we used in the last cycle. We were also able to add a new plant which changes the steam electric power generation numbers and also add some new facilities that affect the manufacturing demands. There was much discussion about the population numbers and municipal demands – everyone, including the US Government, knows that the population numbers are wrong. We are going to be able to use the lower migration factor of 0.5 for counties that are losing population and use the 1.0 migration factor for counties that show to be gaining population. While this helped a little on the municipal side, the water savings calculation changes from the TWDB are the biggest help in making our numbers more reasonable.

e. Nominations Committee –

John mentioned that we do have one nomination pending but will delay until Bylaws revisions are completed.

**10. Action for consideration and adoption of updates to the Bylaws – David Alders**

Proposed changes to the Bylaws were available online and printed copies were passed out. David reviewed the proposed changes including: clarification of the name of the Planning Group, updates to references made to specific statutes, responsibilities of designating an alternate, updates to method of calculating absences for voting members, questions and discussion on composition of voting members and the interest groups represented. Proposed changes to officer designations and the election process were discussed including reducing the number of officers from 5 to 3 and electing one slate of officers to serve for the entire planning cycle instead of annually. David recommended postponing a vote to adopt until a final cleanup of proposed changes could be completed.

**11. Report from consultant team –**

**Brigit Buff, Plummer Asso. & Jordan Skipwith, Freese & Nichols**

a. Review of 6<sup>th</sup> Cycle Water Planning schedule

Brigit reviewed the planning cycle calendar (available on the Region I website). We are in the process of finalizing adjustments with the TWDB for draft projections and will be evaluating water needs and potentially infeasible and feasible water management strategies next. The deadline for final revisions and approval of non-municipal demands and projections is **July 14<sup>th</sup>** and municipal population and demands projections are due by **August 11<sup>th</sup>**. TWDB plans to adopt both municipal and non-municipal projections in **October 2023**.

b. Update – final recommendations for Non-Municipal Demands (Brigit)

Irrigation – Recommend adjusting methodology to use the highest 5 year average water use in each county as the new baseline for projections

Livestock – Recommend adjusting methodology for 2030 baseline to the highest livestock demand in each county in addition to some specific new demands identified by the WPG.

Manufacturing – Recommend starting with the previous baseline from each county's highest use and adding WPG identified new manufacturing facilities in 5 counties (Jefferson, Angelina, Newton, Orange and Smith) to obtain new baseline for projections.

Mining – Recommend no revisions from the 2026 draft projections.

Steam Electric Power Generation – Recommend no change to previous methodology but include new facility identified by WPG and MWP (Orange County).

ACTION: A draft of the Technical Memorandum was sent out to WPG members for review. After a brief discussion, Chris Weisinger made a motion to authorize the consultant team to submit the Final Non-Municipal Demands Technical Memorandum, as presented, to the TWDB by the July 14<sup>th</sup> deadline. Rob Starr, 2<sup>nd</sup>. Passed unanimously.

c. Update on Municipal Water Demands, GPCDs and Population Projections

Jordan reviewed the formula for calculating Municipal Demand Projections, which involves population projections times baseline GPCD projections, as adjusted for plumbing code savings. The TWDB sent out revised plumbing code savings projections on May 5, 2023. The technical team incorporated these revisions to the draft baseline from 2021 (plus any higher use identified), and it resulted in a substantial increase in municipal demand projections for this planning cycle.

Jordan presented revisions that were made to the baseline GPCD for each individual WUG using historical use data. This resulted in revisions to the baseline GPCD for the entire Region. Questions were raised and discussed about incorporating water losses from leaks and flushing.

Brigit discussed possible adjustments to the population projections. The 2021 Plan projections overcounted population in all but one county in Region I when compared to the 2020 census. This population reduction affects the baseline being used for this planning cycle. TWDB is allowing the planning group the option to choose either 0.5 or 1.0 migration scenarios for each county. (Previous planning cycle projections allowed only a 1.0 migration factor.) The team chose the migration factor to optimize the population number for each county resulting in a slight increase in MDP for the Region – putting the numbers for about the next two decades back close to the 2021 Plan projections. There will be at least one or two future planning cycles that might be able to incorporate future revisions to MDP using historical data.

ACTION: Brigit presented several options for action involving the Municipal Demands Technical Memorandum. After discussion, Kate Dietz made a motion to approve the consultant team to work with the Chair and Technical Committee to finalize the Municipal Demands Technical Memorandum. Kelley Holcomb, 2<sup>nd</sup>, passed unanimously.

Next steps: Future meetings will involve discussion and evaluation of infeasible water management strategies/projects and consideration of feasible WMSs for all identified water needs and documentation of the process used. These will need to be incorporated in a Technical Memorandum due in March, 2024.

**12. Reports from other state agencies, as necessary:**

- a. Texas Water Development Board –  
Lann Bookout: Regular session of state legislature ended recently, and they authorized distribution of additional funds to regional water planning groups for tasks not originally included in the scope. He requested that the next meeting agenda include an action item to authorize the City of Nacogdoches to contract to receive that funding to distribute to the consultants as needed for these tasks.
- b. Texas Department of Parks & Wildlife – not present; no report.
- c. Texas Department of Agriculture – not present; no report.
- d. Texas Soil and Water Conservation Board – not present; no report.

- e. Groundwater Management Areas –  
John McFarland (GMA 11) – GMA 11 has not met since our last meeting; no report.  
John Martin (GMA 14) – GMA 14 met May 21<sup>st</sup> - still working with the TWDB to finalize a new model developed by the USGS for the Gulf Coast Aquifer that includes an updated subsidence package.

**13. General Discussion**

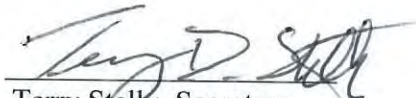
**14. Set Next Meeting Dates – to be determined at a later date in the fall.**

**15. Adjourned at 12:11 pm.**

APPROVED THIS 4<sup>TH</sup> Day of October

  
\_\_\_\_\_  
John Martin, Chair  
ETRWPG – Region I

ATTEST:

  
\_\_\_\_\_  
Terry Stelly, Secretary



**Wednesday, October 4, 2023 • 10:00 AM**  
**Nacogdoches Recreation Center**  
**1112 North Street**  
**Nacogdoches, TX 75961**  
**AGENDA**

**Meeting Details and Documents can be found at:** <https://www.etexwaterplan.org/meetings/>  
**Remote Meeting Connection Information:** [Click here to join the meeting](#)

Join via Web Browser: <https://www.microsoft.com/microsoft-teams/join-a-meeting>  
Meeting ID – 296 890 258 159  
Passcode - BBy6LG

1. Call to Order
2. Invocation & Pledge of Allegiance
3. Notice of Meeting
4. Roll Call/Determination of Quorum
5. Public Comments
6. Consideration and Approval of the minutes of the June 21, 2023 meeting
7. Reports from City of Nacogdoches – Cheryl Bartlett
8. Reports of Adjoining Regions’ Activity:
  - a. Region C – David Montagne
  - b. Region D – John McFarland
  - c. Region H – Scott Hall
  - d. Interregional Liaison – Kelley Holcomb
9. Reports from Standing Committees:
  - a. Executive Committee – John Martin
  - b. Finance Committee – Kelley Holcomb
  - c. Bylaws Committee – David Alders
  - d. Technical Committee – Scott Hall
  - e. Nominations Committee – Monty Shank
10. Consideration and Approval of Contract Amendments
  - a. Authorize the City of Nacogdoches to Negotiate and Execute Amendment #2 to Technical Consultant Team (Plummer) Contract for \$483,361.00 to Match Current Total Project Costs and Committed Funds for the 2026 Region I Regional Water Plan
  - b. Authorize the City of Nacogdoches to Negotiate and Execute an Amendment #2 to the TWDB Contract for \$227,480.00 to Increase the Total Project Cost and Committed Funds for the 2026 Region I Regional Water Plan



- c. Authorize the City of Nacogdoches to Negotiate and Execute Amendment #3 to Technical Consultant Team (Plummer) Contract for \$167,480.00 to Increase the Total Project Cost and Committed Funds for the 2026 Region I Regional Water Plan
- d. Discussion and possible action regarding a budget amendment providing for the City of Nacogdoches/Political Subdivision to be reimbursed for salary and wage expenses.

11. Consideration and Approval of updates to the Bylaws

12. Report from Consultant Team with Discussion and Possible Action by Regional Water Planning Group:

- a. Overview of Project Schedule – Brigit Buff
- b. Discussion and Approval of the Definition and List of Major Water Providers – Brigit Buff
- c. Discussion and Possible Action on Infeasible Water Strategy Methodologies, Results, and Recommendations and Receive Public Comment – Brigit Buff and Jordan Skipwith
- d. Discussion and Approval of the Hydrological Variance Request for Surface Water Supplies to the TWDB – Jordan Skipwith
- e. Discussion and Approval Process to Identify and Evaluate Water Management Strategies and Receive Public Comment – Jordan Skipwith
- f. Discussion and Approval of Notice to Proceed on Task 5B – Brigit Buff & Lann Bookout
- g. Overview of the contents of the Technical Memorandum, due March 2024 – Brigit Buff
- h. Overview of proposed agenda for February 2024 RWPG Meeting Date for Technical Memorandum approval – Brigit Buff

13. Reports from other state agencies, as necessary:

- a. Texas Water Development Board – Lann Bookout
- b. Texas Department of Parks & Wildlife – Stephen Lange
- c. Texas Department of Agriculture – Manual Martinez
- d. Texas Soil and Water Conservation Board – Trey Watson
- e. Groundwater Management Areas – John Martin/John McFarland

14. General Discussion

15. Set Next Meeting Date – February 2024 (Date TBD)

16. Adjourn

Comments from members and the public will be accepted by the Planning Group as listed in the agenda items above. For questions, requests, or additional information outside of the general meeting, please visit the Planning Group website, <https://www.etexwaterplan.org/>, or contact the Planning Group Administrative Contact:

c/o City of Nacogdoches  
PO Box 635030  
Nacogdoches, Texas 75963-3030  
Attn: Cheryl Bartlett  
Region I Administrative Contact  
936-559-2528  
[regioniwater@gmail.com](mailto:regioniwater@gmail.com)





**Wednesday, October 4, 2023**  
**Nacogdoches Recreation Center**  
**1112 North Street**  
**Nacogdoches, TX 75961**  
**AGENDA**

The Region I East Texas Regional Water Planning Group has an Executive Committee and four additional 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 and their meeting times and agenda items are as follows:

**Executive Committee** – 9:00 AM

1. Discussion on nominations/appointees for Nominating Committee

**Nominations Committee** – No Meeting

**By-Laws Committee** – 9:15 AM

1. Discussion regarding Bylaws review and proposed changes/amendments

**Finance Committee** – 9:15 AM

1. Discussion on proposed budget amendment #2 between TWDB and City of Nacogdoches
2. Discussion on proposed budget amendments #2 & #3 between City of Nacogdoches and Technical Consultant

**Technical Committee** – Held on July 27, 2023

## Region I Water User Group Meeting, October 4 , 2023

<i>Sign -in</i>	Name	Organization	Phone	Email
<b>VOTING MEMBERS</b>		<i>Please check your contact information</i>		
DA	Alders, David	Agriculture	936-569-1284	<a href="mailto:alders.david@gmail.com">alders.david@gmail.com</a>
(V)	Davis, Chris	Counties	903-683-2324	<a href="mailto:cojudge@cocherookee.org">cojudge@cocherookee.org</a>
	Dietz, Kate	Municipalities	903-330-1421	<a href="mailto:kdietz@tylertexas.com">kdietz@tylertexas.com</a>
	Fussell, Roger	Water Utilities	409-755-1559	<a href="mailto:rogerfussell2020@gmail.com">rogerfussell2020@gmail.com</a>
	Gorsich, David	Industries	409-239-4514	<a href="mailto:david.m.gorsich@exxonmobil.com">david.m.gorsich@exxonmobil.com</a>
(V)	Hall, Scott	River Authorities	409-892-4011	<a href="mailto:scott.hall@lnva.org">scott.hall@lnva.org</a>
(V)	Holcomb, Kelley	River Authorities	936-633-7543	<a href="mailto:kholcomb@anra.org">kholcomb@anra.org</a>
(V)	Jackson, Fred L.	Counties	409-835-8466	<a href="mailto:fjackson@co.jefferson.tx.us">fjackson@co.jefferson.tx.us</a>
	Martin, John	GMA-14	409-383- <del>0799</del> <sup>1577</sup>	<a href="mailto:jmartin@setgcd.org">jmartin@setgcd.org</a>
	McBroom, Matthew	Environmental	936-468-2313	<a href="mailto:mcbroommatth@sfasu.edu">mcbroommatth@sfasu.edu</a>
	McFarland, John	GMA-11	936-568-9292	<a href="mailto:jmcfarland@pgcd.org">jmcfarland@pgcd.org</a>
	Mettauer, Matthew	Agriculture	936-598-9400	<a href="mailto:matthew@mettauerlaw.com">matthew@mettauerlaw.com</a>
(V)	Montagne, David	River Authorities	409-746-2192	<a href="mailto:dmontagne@sratx.org">dmontagne@sratx.org</a>
(V)	Shank, Monty	River Authorities	903-876-2237	<a href="mailto:mdsunra@dctexas.net">mdsunra@dctexas.net</a>
(V)	Snyder, Mike	Electric Power	409-981-2114	<a href="mailto:msnyder@entergy.com">msnyder@entergy.com</a>
(V)	Starr, Robb	Water Utilities	409-755-1559	<a href="mailto:robbs@lumbertonmud.com">robbs@lumbertonmud.com</a>
	Stelly, Terry	Public	409-728-0268	<a href="mailto:TerrySsmxd@Aol.com">TerrySsmxd@Aol.com</a>
	Whitworth, Emily	Water District	903-330-1220	<a href="mailto:Ewhitowrth@yahoo.com">Ewhitowrth@yahoo.com</a>
	Wiesinger, Christopher	Small Business	214-683-0567 cell	<a href="mailto:cwiesinger@gmail.com">cwiesinger@gmail.com</a>

## Region I Water User Group Meeting, October 4, 2023

Sign -in	Name	Organization	Phone	Email
<b>NON VOTING MEMBERS / GUESTS</b>				
	Bookout, Lann	TWDB	512-936-9439	<a href="mailto:lann.bookout@twdb.texas.gov">lann.bookout@twdb.texas.gov</a>
<i>Man's Mate</i>	Martinez, Manuel	Tx Dept of Agriculture	713-677-9814	<a href="mailto:manuel.martinez@texasagriculture.gov">manuel.martinez@texasagriculture.gov</a>
	Watson, Trey	Tx State Soil & Water Conserv Bd		<a href="mailto:twatson@tsswcb.texas.gov">twatson@tsswcb.texas.gov</a>
	<del>Price, Daniel</del>	<del>TPWD</del>	<del>936-569-8547</del>	<del><a href="mailto:daniel.price@tpwd.texas.gov">daniel.price@tpwd.texas.gov</a></del>
<i>[Signature]</i>	Buff, Brigit, PE	Plummer	512-687-2185	<a href="mailto:csyvarth@plummer.com">csyvarth@plummer.com</a>
	McCann, Cody	Plummer	817-806-1776	<a href="mailto:cmccann@plummer.com">cmccann@plummer.com</a>
<i>Jordan Skipt</i>	Skipwith, Jordan	Freese & Nichols		<a href="mailto:jordan.skipwith@freese.com">jordan.skipwith@freese.com</a>
	?	TCEQ		
<i>Cheryl Bartlett</i>	Bartlett, Cheryl	City of Nacogdoches	936-554-7839	<a href="mailto:regioniwater@gmail.com">regioniwater@gmail.com</a>
<i>San D. Long</i>	Lange, Stephen	TPWD	903-245-7197	<a href="mailto:stephenlange@tpwd.texas.gov">stephenlange@tpwd.texas.gov</a>
<i>Jeresa Griffin</i>	Teresa Griffin	PCGED		<a href="mailto:tgriffin@pcged.org">tgriffin@pcged.org</a>
<i>David Miley</i>	David Miley	RCGED	903-658-7572	<a href="mailto:david@vegged.org">david@vegged.org</a>
	Chang Lee	DWU	214-670-5239	<a href="mailto:chang.lee@dallas.gov">chang.lee@dallas.gov</a>
<del>Manuel Martinez</del>				

903-245-7197  
903

**MINUTES OF THE  
REGION I - EAST TEXAS REGIONAL WATER PLANNING GROUP MEETING  
Wednesday, October 4, 2023 – 10:00 A.M.**

1. **Call to Order** – Chairman John Martin called the meeting to order at 10:08 A.M.
2. **Invocation/Pledge** – David Alders led the invocation. John Martin led the Pledge.
3. **Notice of Meeting** – Notice was sent to Voting Members and posted as required.
4. **Roll Call/Determination of Quorum** – The roll was called by Cheryl Bartlett and quorum was determined as follows:

**Voting Members Present: (14 of 22)**

David Alders - Agriculture  
Chris Davis – Counties (*Virtual*)  
Scott Hall – River Authority (*Virtual*)  
Kelley Holcomb – River Authority  
Fred Jackson – Counties (*Virtual*)  
John Martin – GMA-14  
Matthew McBroom - Environmental  
John McFarland – GMA-11  
Matthew Mettauer - Agriculture  
David Montagne – River Authority (*Virtual*)  
Monty Shank – River Authority  
Mike Snyder – Electric Power (*Virtual*)  
Rob Starr – Water Utilities (*Virtual*)  
Terry D. Stelly – Public

**Voting Members Absent: (5)**

Kate Dietz - Municipality  
Roger Fussell – Water Utility  
David Gorsich – Industry  
Emily Whitworth – Water District  
Christopher Wiesinger – Small Business

**Voting Member Category Vacancies: (3)**

Environmental  
Small Business  
Public

**Other Attendees**

**Agencies:**

Sarah Lee, Michele Foss - Tx Water Development Board (*Virtual*)  
Teresa Griffin – Panola County GCD  
David Miley – Rusk County GCD  
Chang Lee – Dallas Water Utilities  
Stephen Lange – Tx Parks & Wildlife  
Manuel Martinez – Tx Dept of Agriculture

**Staff and Consultants:**

Cheryl Bartlett - City of Nacogdoches  
Brigit Buff, PE – Plummer Asso.  
Cody McCann – Plummer Asso. (Virtual)  
Jordan Skipwith – Freese & Nichols

**5. Public Comments:** None

**6. Consideration and Approval of the minutes of the June 21, 2023 meeting**

*Robb Starr made a motion to approve the minutes of the June 21, 2023 meeting as presented, 2<sup>nd</sup> by Kelley Holcomb, passed unanimously.*

**7. Report from City of Nacogdoches**

Cheryl Bartlett: No updates to report. Financial information will be forthcoming in the Finance Committee report.

**8. Reports of adjoining regions activity:**

- a. Region C – David Montagne: nothing significant to report
- b. Region D – John McFarland: nothing to report.
- c. Region H – Scott Hall: no report.
- d. Interregional Liaison – Kelley Holcomb: Interregional Planning Council met Aug 15<sup>th</sup> – Group is in review mode, attempting to identify the data to include in this Planning Cycle Report and having discussions about items not implemented in the previous cycle report. Next Meeting is Nov 30<sup>th</sup>.  
(Reminder: activities of the Interregional Council can be found on the TWDB website.  
<https://www.twdb.texas.gov/waterplanning/rwp/ipc/index.asp>)

**9. Report from Standing Committees:**

- a. Executive Committee – John Martin: Met earlier this morning, discussed possible nominees for open positions. These will be talked about later after discussion/voting on the proposed changes to the ByLaws.
- b. Finance Committee – Kelley Holcomb: Met earlier this morning to review the proposed contract amendments that will be addressed in Agenda Item #10.
- c. Bylaws Committee – David Alders: will defer report to Agenda Item #11.
- d. Technical Committee –  
Scott Hall: Technical Committee met virtually (based at the LNVA office in Beaumont) on July 27<sup>th</sup> to discuss, and approve, the updated population and municipal demand numbers with the consultant team.
- e. Nominations Committee – Monty Shank: committee did not meet.

**10. Consideration and Approval of Contract Amendments – Kelley Holcomb**

- a. Authorize the City of Nacogdoches to Negotiate and Execute Amendment #2 to Technical Consultant Team (Plummer) Contract for \$483,361.00 to Match Current Total Project Costs and Committed Funds for the 2026 Region I Regional Water Plan  
*Kelley made a motion to approve as presented, Terry Stelly 2<sup>nd</sup>, passed unanimously.*

- b. Authorize the City of Nacogdoches to Negotiate and Execute an Amendment #2 to the TWDB Contract for \$227,480.00 to Increase the Total Project Cost and Committed Funds for the 2026 Region I Regional Water Plan  
*Kelly made a motion to approve as presented, Matthew McBroom 2<sup>nd</sup>, passed unanimously.*
- c. Authorize the City of Nacogdoches to Negotiate and Execute Amendment #3 to Technical Consultant Team (Plummer) Contract for \$167,480.00 to increase the Total Project Cost and Committed Funds for the 2026 Region I Regional Water Plan  
*Robb Starr made a motion to approve as presented, Fred Jackson 2<sup>nd</sup>, passed unanimously.*
- d. Discussion and possible action regarding a budget amendment providing for the City of Nacogdoches/Political Subdivision to be reimbursed for salary and wage expenses.  
This is a new line item in the TWDB regional planning group budgets to allow a political subdivision to bill for increasing administrative costs. After a conference call discussion between Kelley, Cheryl and Brigit, we are proposing a realignment of existing budget amounts to allow the City of Nacogdoches to receive a budget amount of \$60,000 and Plummer to add \$167,480 for a total allocation of \$227,480 in Amendment #2 (see items b and c above) for this portion of the planning cycle. The Planning Group is required to approve the wages for the political subdivision in order to request the funds from the state.  
*Robb Starr made a motion to approve as presented, Chris Davis 2<sup>nd</sup>, passed unanimously.*

#### **11. Consideration and approval of updates to the Bylaws – David Alders**

Proposed changes to the Bylaws were available online and some printed copies were passed out. David briefly reviewed some of the proposed changes again including: general cleanup of names, specific statute references, grammar, changes to officer designations, reducing the number of officers from 5 to 3 and electing one slate of officers to serve for the entire planning cycle instead of annually. David also presented a few items that were discussed in the committee meeting this morning which includes proposed changes to Article 5 to clarify the number of members representing each of the twelve different interest groups; absentee and attendance rules expanded from 12 to 24 months and formally remove the quarterly meeting requirement since the Planning Group meetings are generally just being held as needed now.  
*David Alders made a motion to adopt the ByLaws as presented, including minor grammar and formatting changes as needed to print, Monty Shank 2<sup>nd</sup>, passed unanimously.*

#### **12. Report from consultant team – including discussion and possible action by RWPG Brigit Buff, Plummer Asso. & Jordan Skipwith, Freese & Nichols**

- a. Review of 6<sup>th</sup> Cycle Water Planning schedule – Brigit Buff  
Brigit reviewed the planning cycle calendar (available on the Region I website). The deadline for the Technical Memorandum is March and we will be reviewing the various approvals/actions required by the RWPG needed to finalize that report. TWDB plans to adopt both municipal and non-municipal projections in **October 2023**. It appears that they have generally accepted the few changes we have submitted so no problems are expected.

- b. Discussion and Approval of the Definition and List of Major Water Providers – Brigit Buff  
Brigit reviewed the definition of a “major water provider” for our group and the current list was presented. *Kelley Holcomb made a motion to approve both the definition and the list with no changes, David Alders 2<sup>nd</sup>, passed unanimously.*
- c. Discussion and Possible Action on Infeasible Water Strategy Methodologies, Results, and Recommendations and Receive Public Comment – Brigit Buff and Jordan Skipwith  
TWDB changed the public comment period to 14 days for this item (new for this Planning Cycle) – information was sent out earlier than it is for our normal meetings. Brigit reviewed the screening process flowchart for evaluating strategies and outlined the changes that would require modifications to the 2021 Plan. Sarah Lee & Michele Foss with TWDB clarified some questions raised about the steps in the process of determining feasible and infeasible strategies for identified projects. Much discussion was held on the possible need to change the evaluation process, including changing the time frame assigned to infeasible/feasible projects. Any amendments to the previous plan would need to be approved by the RWPG at the same time as the Technical Memorandum in March. The consultant team has deemed that all our current proposed projects are feasible, so no amendments to the 2021 Plan will be needed and any changes made to the screening process should not affect the status of projects on the list for this cycle. After much discussion, the RWPG accepted the results as presented by the consultant team, tabled an official vote and recommended more evaluation of the screening process by the Technical Committee before approving.
- d. Discussion and Approval of the Hydrological Variance Request for Surface Water Supplies to the TWDB – Jordan Skipwith  
After Jordan briefly reviewed the variances used, the consultant team recommended that the RWPG adopt the historical variances as used in previous cycles. *Kelley Holcomb made a motion to approve the variances as presented, Terry Stelly 2<sup>nd</sup>, passed unanimously.*
- e. Discussion and Approval Process to Identify and Evaluate Water Management Strategies and Receive Public Comment – Jordan Skipwith  
Jordan discussed the water management evaluation strategies process, which is similar to previous cycles. *Matthew McBroom made a motion to approve the Water Management Strategies as presented, Monty Shank 2<sup>nd</sup>, passed unanimously.*
- f. Discussion and Approval of Notice to Proceed on Task 5B – Brigit Buff  
Brigit reviewed the items on Task 5B. At such time as the TWDB issues the appropriate contract amendment, it is executed by the City of Nacogdoches and the corresponding amendment to the subcontract agreement between the City and Plummer is also executed, the consultant team may begin work on Task 5B. *Kelley Holcomb made a motion to approve the Notice to Proceed, with conditions as presented, Robb Starr 2<sup>nd</sup>, passed unanimously.*
- g. Overview of the contents of the Technical Memorandum, due **March 4, 2024** – Brigit Buff  
Brigit presented and briefly reviewed the items to be included in the Technical Memorandum. She proposed having two meetings before the March deadline – one to review and discuss any possible changes to the Technical Memorandum and a second meeting to review and approve the final document. Members agreed to skip Item #12h and defer to Item #15 on the agenda.
- h. Overview of proposed agenda for February 2024 RWPG Meeting Date for Technical Memorandum approval – Brigit Buff (Delay discussion - include in Item #15 discussion)

**13. Reports from other state agencies, as necessary:**

- a. Texas Water Development Board – Michele Foss  
Contract amendments are in legal review and should be sent out in the next few weeks. Revised Exhibit C has been posted online for review by those interested. One of the legislature-requested revisions includes funding for additional rural outreach in the water planning process. TWDB is also requesting input on policy change suggestions and will be discussing them at the next Interregional Council meeting (Nov 30<sup>th</sup>).
- b. Texas Department of Parks & Wildlife – Stephen Lange  
Discussed several recent management changes, including a new Exec Director, as well as regional reorganization within TDPW. Also mentioned increased funding from the legislature for several programs.
- c. Texas Department of Agriculture – Manuel Martinez  
Discussed two grant programs currently offered:  
The Young Farmer Grant (\$20,000) for applicants from age 18 to 46 to assist with creating or expanding farming operations – deadline to apply, Oct 11<sup>th</sup>.  
The Battleground To Breaking Ground Grant, offered by TAMU AgriLife for veterans or active military who want to go into agricultural production – deadline to apply, Dec 8<sup>th</sup>.  
See the TDA website for applications and/or more details on these opportunities.
- d. Texas Soil and Water Conservation Board – not present; no report.
- e. Groundwater Management Areas –  
John McFarland (GMA 11) – GMA 11 had nothing new to report.  
John Martin (GMA 14) – GMA 14 still working with the TWDB to finalize a new model developed by the USGS for the Gulf Coast Area. They will be meeting Oct 26<sup>th</sup>.

**14. General Discussion - none**

**15. Set Next Meeting Dates –**

After much discussion and coordination with facility availability, meetings were set for **Wednesday, January 10<sup>th</sup>** to review information to be included in the Technical Memorandum and **Thursday, February 15<sup>th</sup>** to vote on final approval of the Technical Memorandum.

**16. Adjourned at 12:26 pm.**

APPROVED THIS 1-10-24

  
John Martin, Chair  
ETRWPB – Region I

ATTEST:   
Terry Stelly, Secretary



# GROUNDWATER MANAGEMENT AREA 14 JOINT PLANNING COMMITTEE MEETING

## 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 **Tuesday, March 7, 2023 beginning at 1:15 P.M. at the Brazoria County Courthouse, 111 E. Locust St., Ste. 100A, Commissioner’s Court Room, Angleton, TX 77515.**

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

1. Call to order;
2. Confirmation of receipt of posted notices;
3. Welcome and Introductions;
4. Public comment;
5. Discussion and possible action to approve minutes of the February 23, 2022 GMA 14 Joint Planning Meeting;
6. Review, discussion and possible action on the recently updated groundwater available model identified as the GULF Model and its utilization during the current round of Desired Future Conditions planning;
7. Discussion and possible action regarding next meeting date, location, and agenda items;
8. Meeting Adjourned.

Comments concerning any aspect of this meeting should be directed to Mr. John Martin of the Southeast Texas Groundwater Conservation District, P.O. Box 1407, Jasper, TX 75951; [jmartin@setgcd.org](mailto:jmartin@setgcd.org), or (409) 383-1577.

Come to hand and posted on a Bulletin Board in the Courthouse, \_\_\_\_\_ County, Texas, on this, the \_\_\_\_\_ day of February, 2023.

  
\_\_\_\_\_  
John Martin, Chairman  
GMA 14 Planning Group

\_\_\_\_\_ Deputy Clerk

\_\_\_\_\_ County, Texas

*These public meetings are available to all persons regardless of disability. If you require special assistance to attend the meeting please contact the Southeast Texas Groundwater Conservation District, (409) 383-1577, at least three working days prior to the meeting, so that appropriate arrangements can be made.*



## GMA 14 MEMBER AND INTERLOCAL SIGN IN SHEET

March 7, 2023  
1:15 PM

Member District	District Representative	Date	Signature
Bluebonnet GCD	Zach Holland	3/7/23	<i>Zach Holland</i>
Brazoria County GCD	Beverly Hopkins	3/7/23	<i>BH</i>
Lone Star GCD	Samantha Reiter	March 7, 2023	<i>S Reiter</i>
Lower Trinity GCD	Gary Ashmore	March 7 2023	<i>Gary Ashmore</i>
Southeast Texas GCD	John Martin	<i>John Martin</i>	March 7, 2023
Interlocal Participant	Representative	Date	Signature
Harris-Galveston Subsidence District			
Fort Bend Subsidence District	<i>Robert Thompson</i>	3/2/23	<i>Robert Thompson</i>
Washington County	KIRK HANATH	3/7/23	<i>Kirk Hanath</i>
Chambers County			



March 7, 2023

1:15 PM

# GMA 14 SIGN IN SHEET

Request to Speak? Yes / No	NAME	AFFILIATION	CITY, STATE, ZIP	E-MAIL
N	James Beach	AGS	78620	james.beach@advancedgw.com
N	Bill Hutchison	Consultant	Jamaica Bend	billhutch@texasgw.com
N	Stacey Reese	consultant	Austin, TX	stacey@staceyreese.com
N	Michael White	BCGCD	77515	mwhite@bcgroundwater.org
N	Jodie Parnell	BCGCD	77515	jstill@bcgroundwater.org <del>jodies</del>
N	John Yoans	The Woodlands	77380	jyoans@comcast.net
N	Philip Towner	Consultant	77024	philip.towner@texas.com
N	Ashley Greuter	HERSD	77546	agreuter@subsidence.org
N	John Ellis	USGS	77385	jellis@usgs.gov
N	Natalie Baller	TWDB	78752	natalie.baller@twdb.texas.gov
N	Dayn Hardwick	TWDB	78660	dayn.hardwick@twdb.texas.gov
N	Jason Afionowicz	Freese+Nichols	77479	jda@freese.com

# GROUNDWATER MANAGEMENT AREA 14 JOINT PLANNING COMMITTEE MEETING

## 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 **Tuesday May 23, 2023 beginning at 10:00 A.M. at the City of Cleveland Civic Center, 210 Peach Ave., Cleveland, TX 77327.**

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

1. Call to order;
2. Confirmation of receipt of posted notices;
3. Welcome and introductions;
4. Public comment;
5. Discussion and possible action to approve minutes of the March 7, 2023 GMA 14 Joint Planning Meeting;
6. Updates from the TWDB and discussion on the comments received for the recently updated groundwater availability model (GULF-2023 model);
7. Review, discussion and possible action on the recently updated groundwater available model identified as the GULF-2023 Model and its potential utilization during the current round of Desired Future Conditions planning;
8. Discussion and possible action regarding next meeting date, location, and agenda items;
9. Meeting Adjourned.

Comments concerning any aspect of this meeting should be directed to Mr. John Martin of the Southeast Texas Groundwater Conservation District, P.O. Box 1407, Jasper, TX 75951; [jmartin@setgcd.org](mailto:jmartin@setgcd.org) or (409) 383-1577.

Come to hand and posted on a Bulletin Board in the Courthouse, \_\_\_\_\_ County, Texas, on this, the \_\_\_\_\_ day of May, 2023.



John Martin, Chairman  
GMA 14 Planning Group

\_\_\_\_\_ Deputy Clerk

\_\_\_\_\_ County, Texas

*These public meetings are available to all persons regardless of disability. If you require special assistance to attend the meeting please contact the Southeast Texas Groundwater Conservation District, (409) 383-1577, at least three working days prior to the meeting, so that appropriate arrangements can be made.*



## GMA 14 MEMBER AND INTERLOCAL SIGN IN SHEET

May 23, 2023  
10:00 AM

Member District	District Representative	Date	Signature
Bluebonnet GCD	Zach Holland		<i>Zach Holland</i>
Brazoria County GCD	Beverly Hopkins	5/23/23	<i>BH</i>
Lone Star GCD	<del>Samantha Reiter</del> <i>Jim Spigener</i>	5/23/23	<i>[Signature]</i>
Lower Trinity GCD	Gary Ashmore	5-23-2023	<i>[Signature]</i>
Southeast Texas GCD	John Martin	5-27-2022	<i>[Signature]</i>
Interlocal Participant	Representative	Date	Signature
Harris-Galveston Subsidence District	<i>MICHAEL TORO</i>	5/23/2023	<i>[Signature]</i>
Fort Bend Subsidence District			
Washington County			
Chambers County	<i>GARY R NELSON</i>	5/23/2023	<i>[Signature]</i>



May 23, 2023  
 10:00 AM

## GMA 14 SIGN IN SHEET

Request to Speak? Yes / No	NAME	AFFILIATION	CITY, STATE, ZIP	E-MAIL
No	Bill Hutchison	Consultant	Jamaica Beach 77554	billhutch@texasw.com
No	James Beach	AGS	Dripping Springs TX 78620	james.beach@advancedgw.com
No	John YORNS	Bechtel	Tx	JOYORNS@comcast.net
No	GARY NELSON		Mt Belvieu TX 77580	GARYR.NELSON55@yaho.com
No	Natalie Ballew	TWDB	Austin TX	natalie.ballew@twdb.texas.gov
No	Doryn Hardwick	TWDB	Austin, TX	doryn.hardwick@twdb.texas.gov
NO	Michael White	BCGCD	Angleton	mwhite@bcgroundwater.org
NO	Beverly Hopkins	BCGCD	Angleton	BHopkins@bcgroundwater.org
No	MUTIAEL TUECO	HEIST	Freshwater	mtueco@subsidence.org
No	Philip Tancer	FNI	Houston TX 77004	phil.tancer@fresh.com
No	John Ellis	USGS	Houston, TX 77007	jellis@usgs.gov
No	MIKE LEE	USGS	Houston, TX 77005	mtlee@usgs.gov
No	JONATHAN SMITH	PORTER SWD	Porter, TX	JSmith@PorterSWD.com



May 23, 2023

10:00 AM

## GMA 14 SIGN IN SHEET

Request to Speak? Yes / No	NAME	AFFILIATION	CITY, STATE, ZIP	E-MAIL
Yes	Chris Drabek	AGS	Kent, OH	Chris.Drabek@agsgroup.com

**GROUNDWATER MANAGEMENT AREA 14  
JOINT PLANNING COMMITTEE MEETING  
NOTICE OF OPEN MEETING**

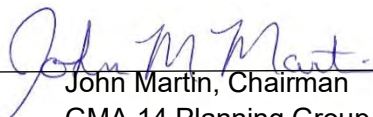
As required by Section 36.108(e), Texas Water Code, a meeting of the **Groundwater Management Area 14 Joint Planning Committee**, comprised of representatives from the following groundwater conservation districts located wholly or partially within Groundwater Management Area 14: Bluebonnet GCD, Brazoria County GCD, Lone Star GCD, Lower Trinity GCD, and Southeast Texas GCD—will be held on **Thursday October 26, 2023 beginning at 9:30 A.M. at the Barnhill Center, 111 West Main Street, Brenham, TX 77833**

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

1. Call to order;
2. Confirmation of receipt of posted notices;
3. Welcome and introductions;
4. Public comment;
5. Discussion and possible action to approve minutes of the May 23, 2023 GMA 14 Joint Planning Meeting;
6. Update from Texas Water Development Board (TWDB) and discussion of any related items of interest to GMA 14;
7. Discussion and possible action to appoint GMA 14 Member as alternate representative to the Region H Water Planning Group;
8. Review, discuss and consider member district management plans as required by Chapter 36.108(c);
9. Presentation, by William Hutchison, Ph.D., P.E., P.G., discuss and possible action regarding measured and simulated drawdowns in GMA 14 (DFC Comparison);
10. Presentation, by Phillip Taucer, P.E., regarding MAG Peak Factor methodology and GMA/RWPG coordination;
11. Update from the TWDB regarding the status of the GULF-2023 Model;
12. Discussion and possible action regarding the DFCs and the path forward for GMA 14 including possible action regarding opportunities for GMA 14 to update the Gulf 2023 Model including preparing a draft scope of work;
13. Discussion and possible action regarding next meeting date, location, and agenda items;
14. Meeting Adjourned.

Comments concerning any aspect of this meeting should be directed to Mr. John Martin of the Southeast Texas Groundwater Conservation District, P.O. Box 1407, Jasper, TX 75951; [jmartin@setgcd.org](mailto:jmartin@setgcd.org), or (409) 383-1577.

Come to hand and posted on a Bulletin Board in the Courthouse, \_\_\_\_\_ County, Texas, on this, the \_\_\_\_\_ day of October, 2023.

  
\_\_\_\_\_  
John Martin, Chairman  
GMA 14 Planning Group

\_\_\_\_\_  
Deputy Clerk

\_\_\_\_\_  
County, Texas

*These public meetings are available to all persons regardless of disability. If you require special assistance to attend the meeting please contact the Southeast Texas Groundwater Conservation District, (409) 383-1577, at least three working days prior to the meeting, so that appropriate arrangements can be made.*





## GMA 14 MEMBER AND INTERLOCAL SIGN IN SHEET

October 26, 2023  
10:00 AM

Member District	District Representative	Date	Signature
Bluebonnet GCD	Zach Holland	<small>10/26/23</small>	<small>Zach Holland</small>
Brazoria County GCD	Beverly Hopkins	10/26/23	Beverly Hopkins
Lone Star GCD	Jim Spigener	10/26/23	Jim Spigener
Lower Trinity GCD	Gary Ashmore	10/26/23	Gary Ashmore
Southeast Texas GCD	John Martin	10/26/23	John Martin
Interlocal Participant	Representative	Date	Signature
Harris-Galveston Subsidence District		10-26-23	
Fort Bend Subsidence District			
Washington County	Troy HANATH	10.26.23	Troy Hanath
Chambers County			

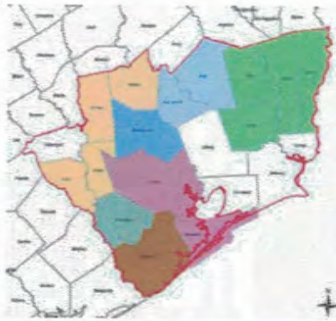


October 26, 2023

10:00 AM

# GMA 14 SIGN IN SHEET

Request to Speak? Yes / No	NAME	AFFILIATION	CITY, STATE, ZIP	E-MAIL
Y	Philip Tauer	Region H	Houston, TX	philip.tauer@freese.com
N	Natalie Ballew	TWDB	Austin TX	natalieballew@twdb.texas.gov
N	Dow Koester	County Commissioner	Brenham, TX	D.Koester@WACounty.com
N	KEN KRAMER	-	CHAPPELL HILL TX	Kramerkenw@gmail.com
N	Jim Spagnum	LSGCD	Willis TX	-
N	Sfacey Reese	LSGCD	Austin TX	-
N	MARK SMITH	Glisco landscape	Brenham TX	MARK@GLISCO/landscape.com
N	Debra Gaffey	City of Brenham	Brenham TX	dgaffey@cityofbrenham.org
	PAUL R. NELSON	President	The Woodlands TX.	pln15n2@gmail.com
N	Tim Robertson	City of Magnolia	Magnolia, TX	trobertson@cityofmagnolia.com
N	Ashley Greuter	HGSD	Friendswood, TX	agreuter@subsidence.org
N	KEN MILLER	CWCWSC	BRENTHAM	
N	Janner Bead	AGS	Dripping Springs	



October 26, 2023  
10:00 AM

# GMA 14 SIGN IN SHEET

Request to Speak? Yes / No	NAME	AFFILIATION	CITY, STATE, ZIP	E-MAIL
N	John Youns	The Woodlands	77380	
N	CANDICE BULLOCK	WASH CD.	77833	
N	Beverly Hopkins	BCGCD	77515	BHopkins@bcgroundwater.org
N	Michael White	BCGCD	77515	MWhite@bcgroundwater.org
N	Bill Hutchinson	Consultant	77833	

# GOAL 4.5

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

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### Objectives

- 1 The District requires that all water wells used in conjunction with the exploration of hydrocarbons be registered with the District.

### Performance Standard

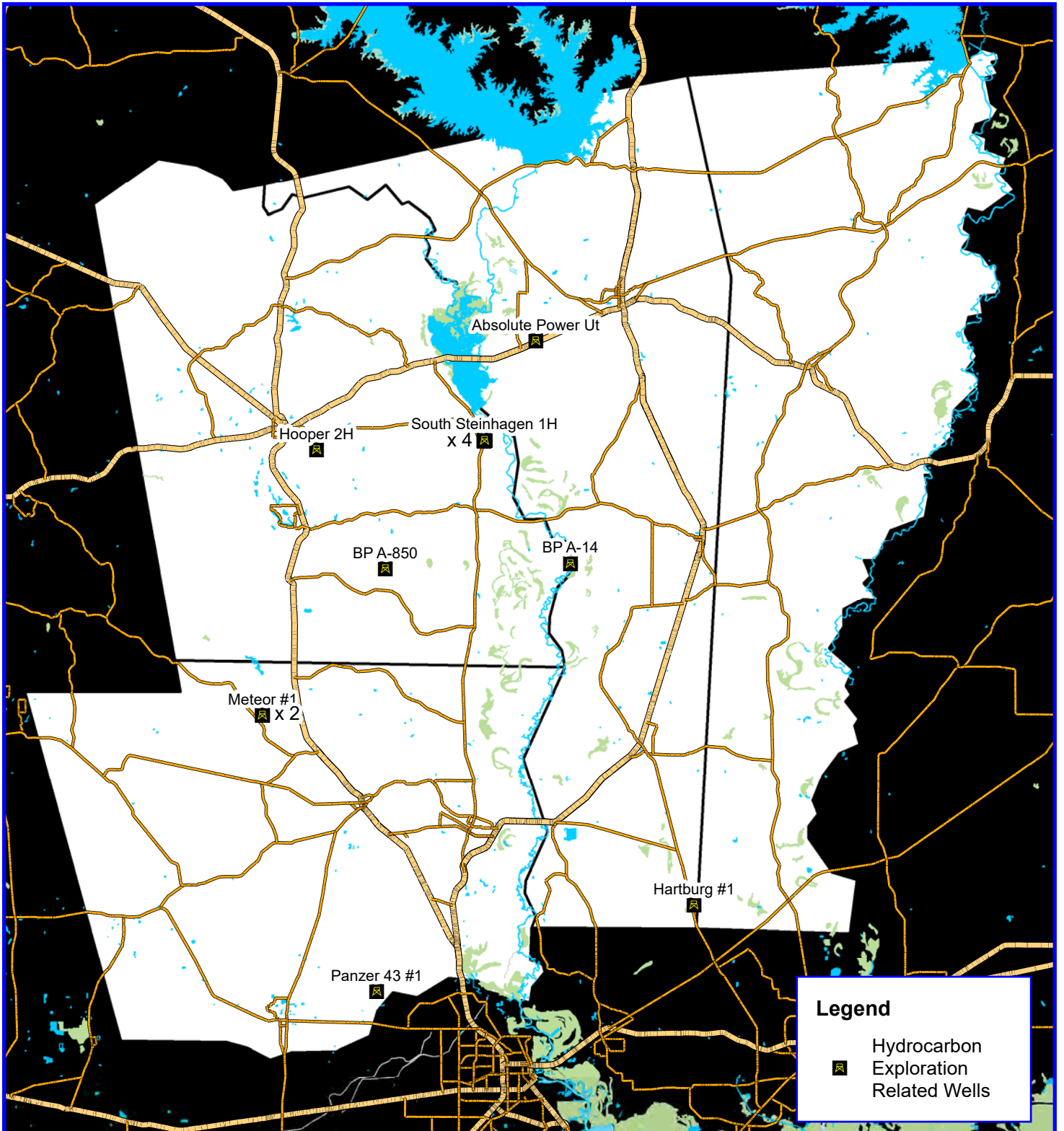
- 1 Each month the Board will be provided information pertaining to any new water well registered and drilled for the purpose of hydrocarbon exploration and a summary of all these wells will be included in the District's Annual Report.
- 
- 

### OBJECTIVE 1

Each month (whether a board meeting is held or not) the Directors are provided information regarding the water wells registered within the District for the purpose of hydrocarbon exploration (oil and gas well drilling and fracking). Newly registered water wells drilled for the purpose of hydrocarbon exploration are entered into the District's Geographic Information Software (GIS) database, which is ESRI – ArcMap. Each month the Directors are provided a location map showing the locations of the newly registered wells along with a data sheet that includes the well site/lease name, the well owner, the date the well was entered into the District's database, as well as the name of the water well driller/water well company. Copies of the monthly maps are included along with a summary map and data for the entire year.

The District received 12 registrations in 2023 for new water wells that were to be used in conjunction with the exploration of hydrocarbons; 3 in Hardin County, 2 in Jasper County, and 7 in Tyler County. Two of the leases had multiple wells drilled on them, with the South Steinhagen lease accounting for 5 of the wells. As was the case last year, the total number of water wells registered is not indicative of the total number of new oil/gas wells within the District.

# Hydrocarbon Exploration Related Water Wells - 2022



Drafted By:  
John Martin, Southeast Texas GCD

Date  
January 24, 2023

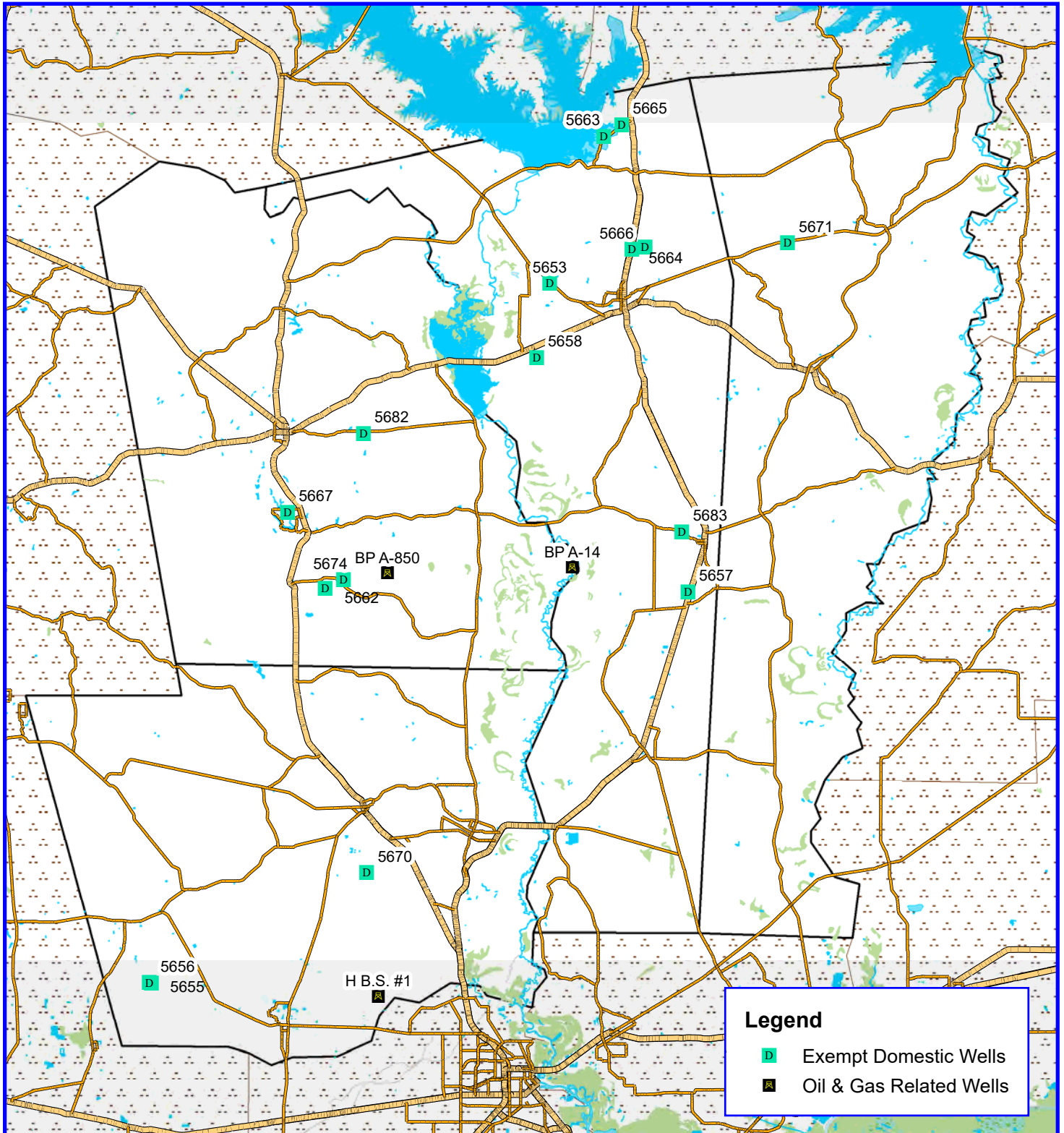
Data Source  
ESRI Street Map USA 2006  
SETGCD ArcView GIS Database



# Hydrocarbon Exploration Related Wells - 2023 - District Wide

WELL OWNER	WELL NAME	DRILLING CO.	DATE ENTERED	PLUGGED	FRACKED?	AQUIFER	GEOLOGIC LAYER
Palisades Exp, LLC	BP A-14	J&S Water Wells	01/06/2023	N	N	Chicot	Lissie
Palisades Exp, LLC	BP A-850	J&S Water Wells	01/12/2023	N	N	Chicot	Willis
Cimarron Engineering	Panzer 43 #1	Greak Water Wells	02/10/2023	N	N	Chicot	Lissie
Wagner Oil & Gas	Hartburg #1	Fas-Line Services, Inc.	03/17/2023	N	N	Chicot	Beaumont / Lissie
Navidad Operating	Hooper 2H	Pinnergy LTD	05/23/2023	N	Y	Chicot	Willis
Jamex, Inc.	Meteor #1	Fas-Line Services, Inc.	07/27/2023	N	Y	Chicot	Lissie
BBX Operating	Absolute Power Ut	J&S Water Wells	08/08/2023	N	Y	Jasper	Oakville
Navidad Operating	South Steinhagen 1H	Pinnergy LTD	09/12/2023	N	Y	Chicot	Willis
Navidad Operating	South Steinhagen 1H	Pinnergy LTD	10/04/2023	Y	Y	N/A	N/A
Navidad Operating	South Steinhagen 1H	Fas-Line Services	10/07/2023	Y	Y	N/A	N/A
Navidad Operating	South Steinhagen 1H	Pinnergy LTD	10/30/2023	Y	Y	N/A	N/A
Jamex, Inc.	Meteor #1 WW2	Fas-Line Services, Inc.	11/30/2023	N	Y	Chicot	Lissie / Willis

# Registered Wells - January 2023



Drafted By:  
John Martin, Southeast Texas GCD

Date  
February 1, 2023

Data Source  
ESRI Street Map USA 2006  
SETGCD ArcView GIS Database

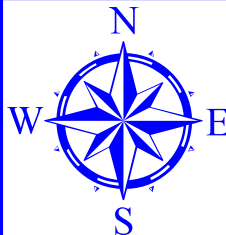
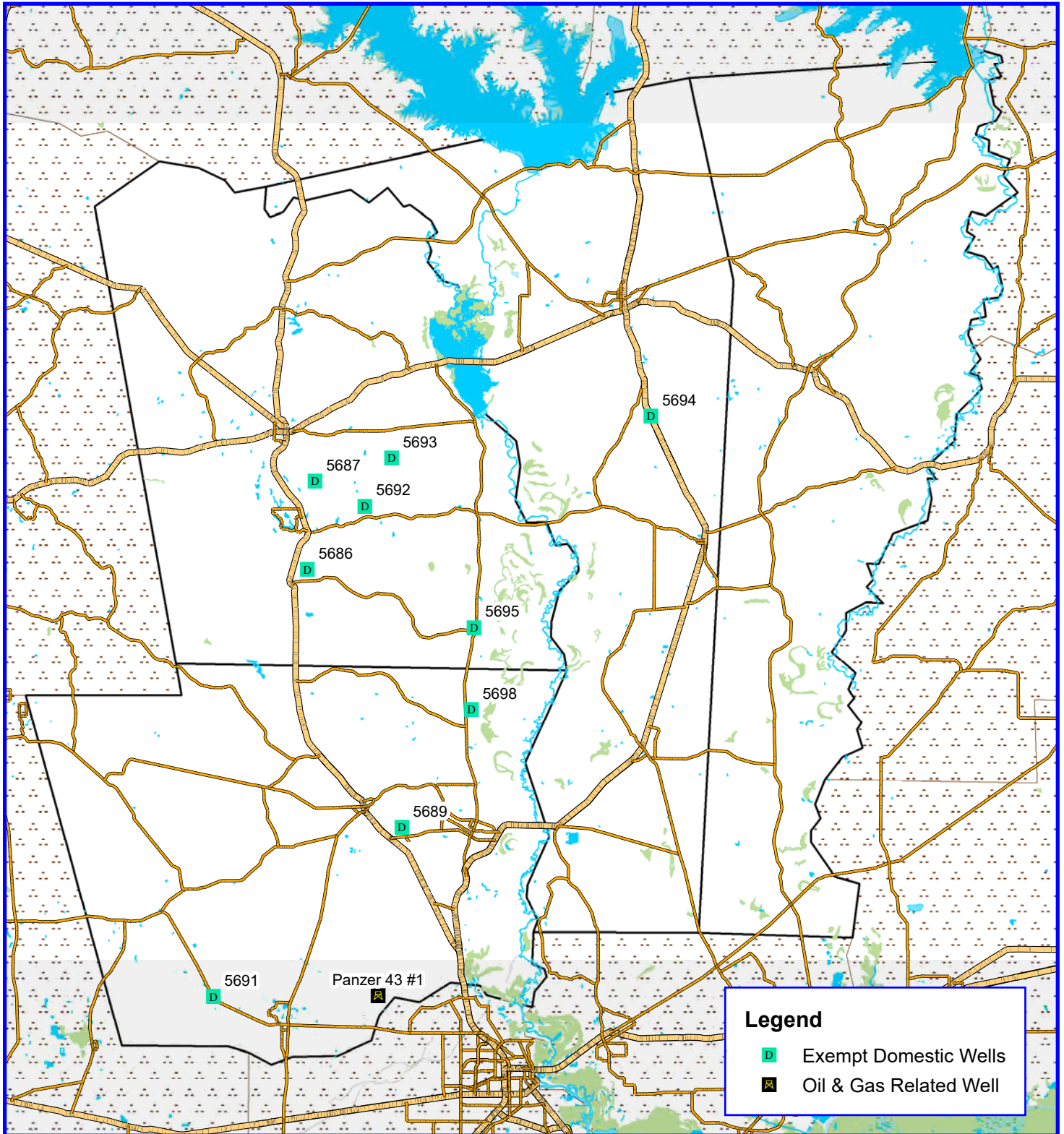


## Oil & Gas Related Wells - January 2023

WELL NAME	FRACKED?	WELL OWNER	DRILLING CO.	DRILLER NAME	DATE REGISTERE
BP A-14	N	Palisades Exp, LLC	J&S Water Wells	Tomas Salinas	01/06/2023
BP A-850	N	Palisades Exp, LLC	J&S Water Wells	Tomas Salinas	01/12/2023
H B.S. #1	N	Cimarron Engineering	R&D Water Wells	Robert Eshee	01/23/2023



# Registered Wells - February 2023



**Drafted By:**  
John Martin, Southeast Texas GCD

**Date:**  
March 1, 2023

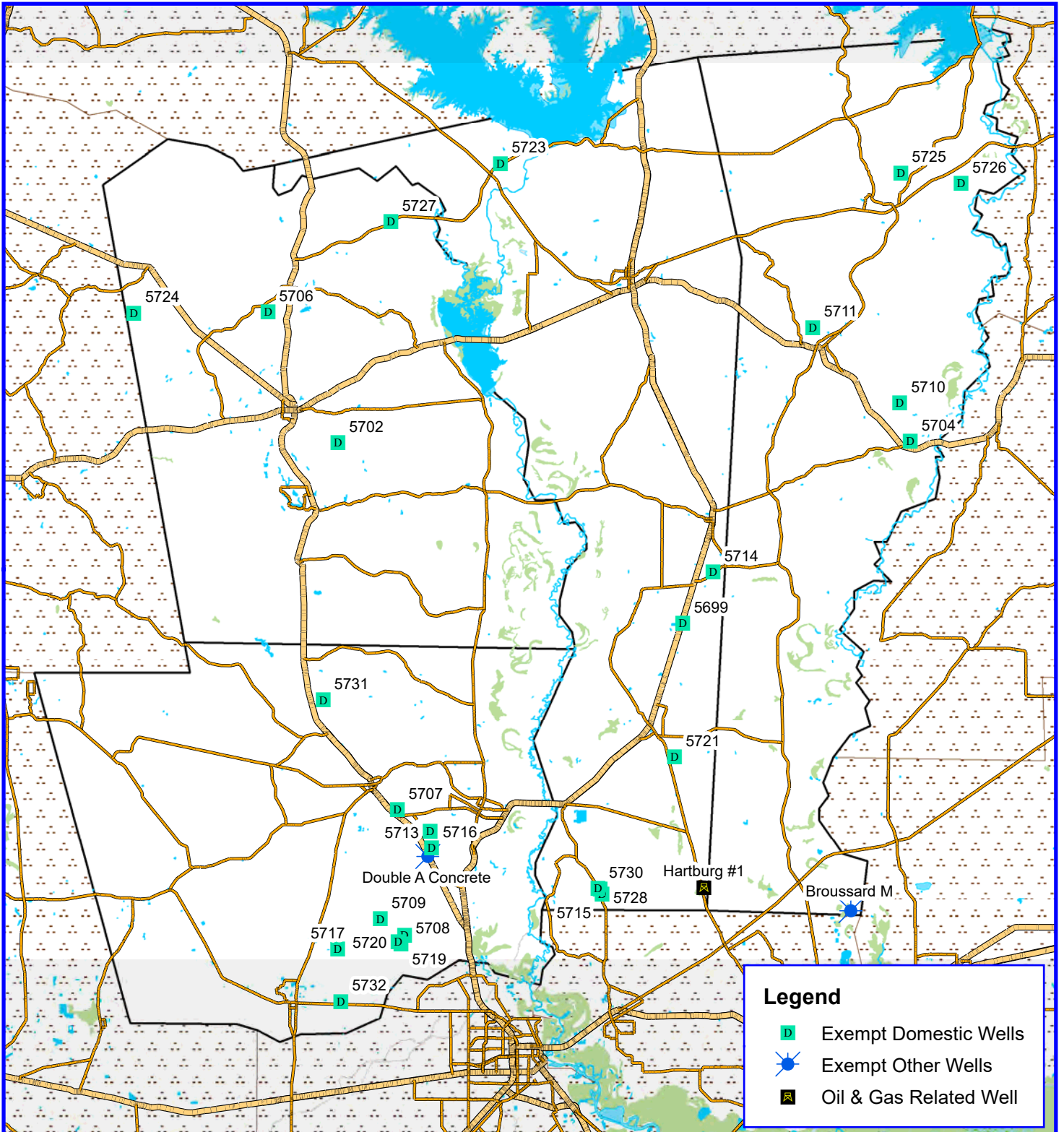
**Data Source:**  
ESRI Street Map USA 2006  
SETGCD ArcView GIS Database






# Oil & Gas Related Well - February 2023

WELL NAME	FRACKED?	WELL OWNER	DRILLING CO.	DRILLER NAME	Date_Entered
Panzer 43 #1	N	Cimarron Engineering	Greak Water Wells	J.W. Greak	02/10/2023

# Registered Wells - March 2023



### Legend

-  Exempt Domestic Wells
-  Exempt Other Wells
-  Oil & Gas Related Well



Drafted By:  
John Martin, Southeast Texas GCD

Date  
April 1, 2023

Data Source  
ESRI Street Map USA 2006  
SETGCD ArcView GIS Database

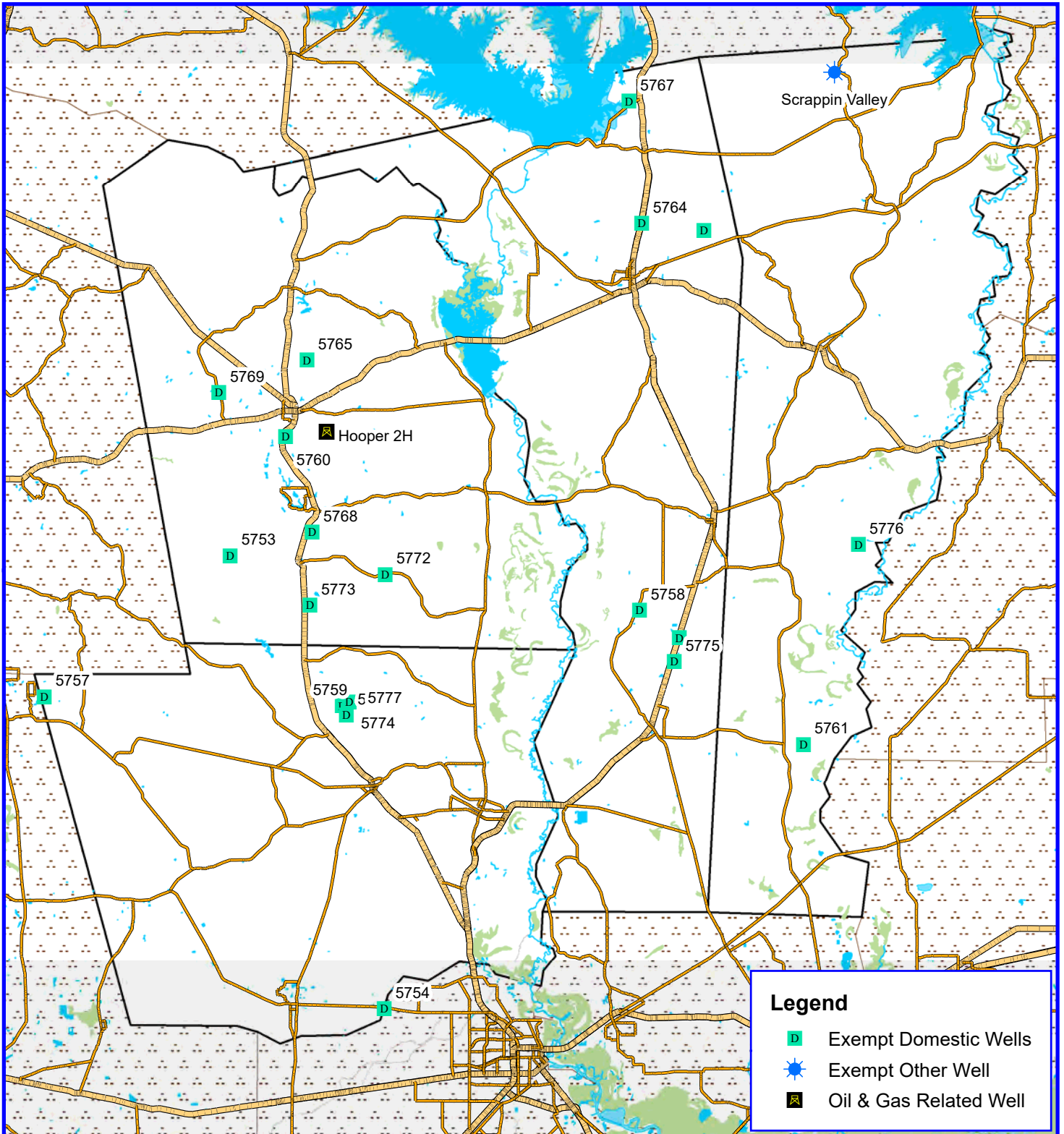


# Oil & Gas Related Well - March 2023

WELL NAME	FRACKED?				Date_Entered
Hartburg #1	N	Wagner Oil & Gas	Fas-Line Services, Inc.	Clint Scudday	03/17/2023

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# Registered Wells - May 2023



Drafted By:  
John Martin, Southeast Texas GCD

Date  
June 1, 2023

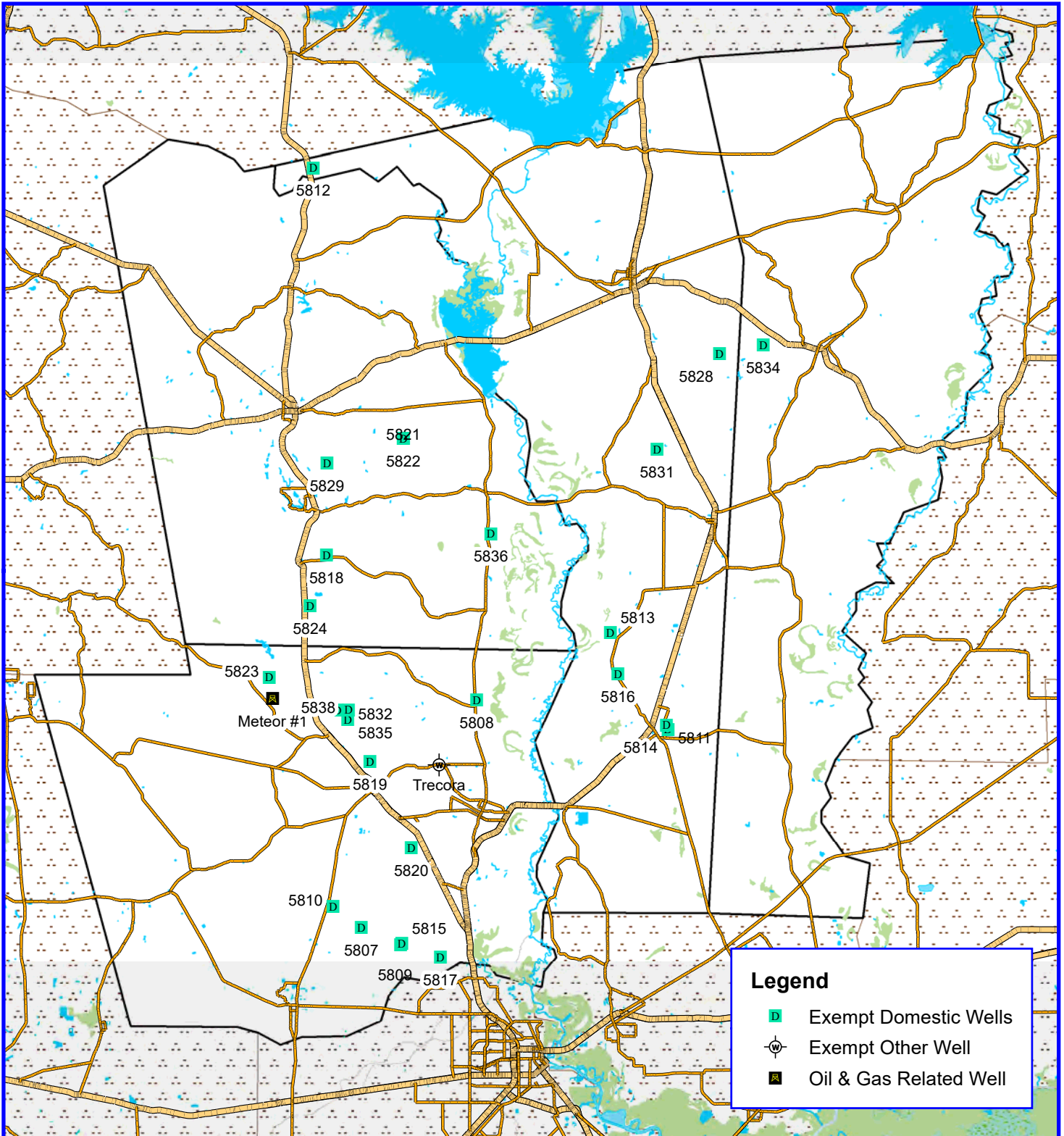
Data Source  
ESRI Street Map USA 2006  
SETGCD ArcView GIS Database



# Oil & Gas Related Well - May 2023

WELL NAME	FRACKED?	WELL OWNER	DRILLING CO.	DRILLER NAME	Date_Entered
Hooper 2H	Y	Navidad Operating	Pinnergy LTD	Skipper Hagler	05/23/2023

# Registered Wells - July 2023



0 4.75 9.5 Miles

Drafted By:  
John Martin, Southeast Texas GCD

Date  
August 2, 2023

Data Source  
ESRI Street Map USA 2006  
SETGCD ArcView GIS Database



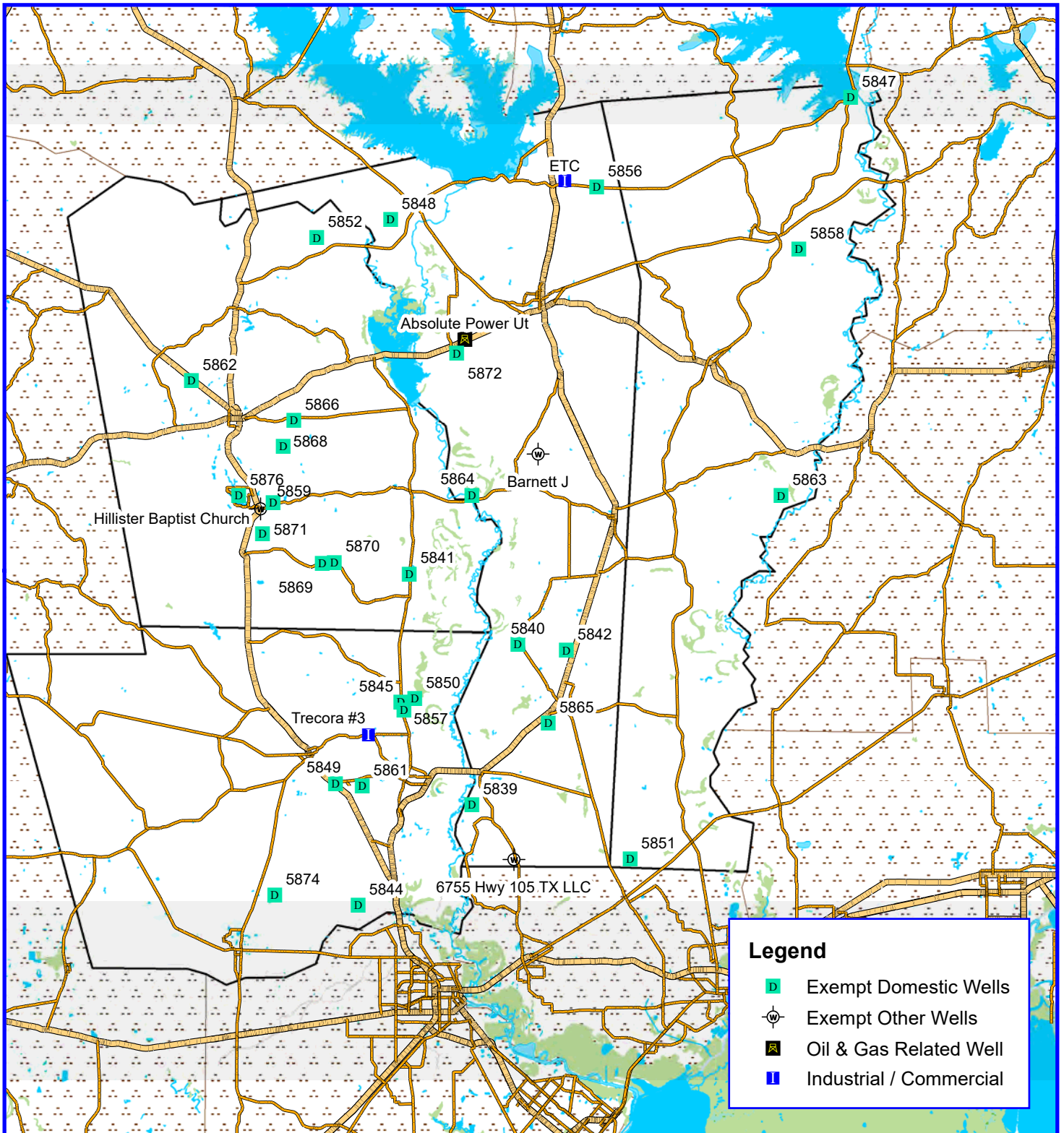
## Oil & Gas Related Well - July 2023

WELL NAME	FRACKED?	WELL OWNER	DRILLING CO.	DRILLER NAME	Date_Entered
Meteor #1	Y	Jamex, Inc.	Fas-Line Services, Inc.	Clint Scuddy	07/27/2023

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# Registered/Permitted Wells - August 2023



**Legend**

- D Exempt Domestic Wells
- Exempt Other Wells
- Oil & Gas Related Well
- Industrial / Commercial



Drafted By:  
John Martin, Southeast Texas GCD

Date  
September 1, 2023

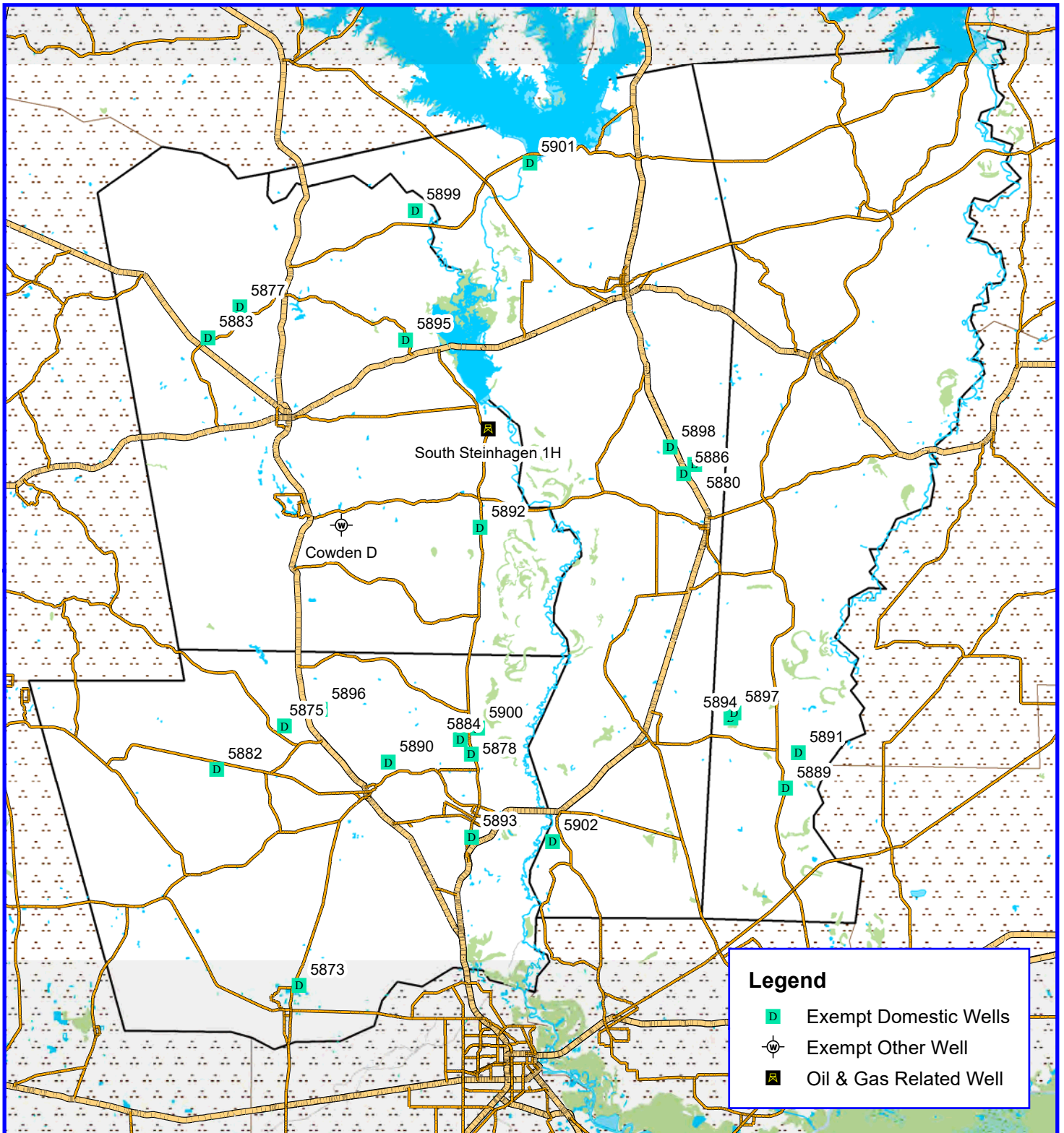
Data Source  
ESRI Street Map USA 2006  
SETGCD ArcView GIS Database



# Oil & Gas Related Well - August 2023

WELL NAME	FRACKED?	WELL OWNER	DRILLING CO.	DRILLER NAME	Date_Entered
Absolute Power Ut	Y	BBX Operating	J&S Water Wells	Primo Trejo	08/08/2023

# Registered Wells - September 2023



Drafted By:  
John Martin, Southeast Texas GCD

Date  
October 2, 2023

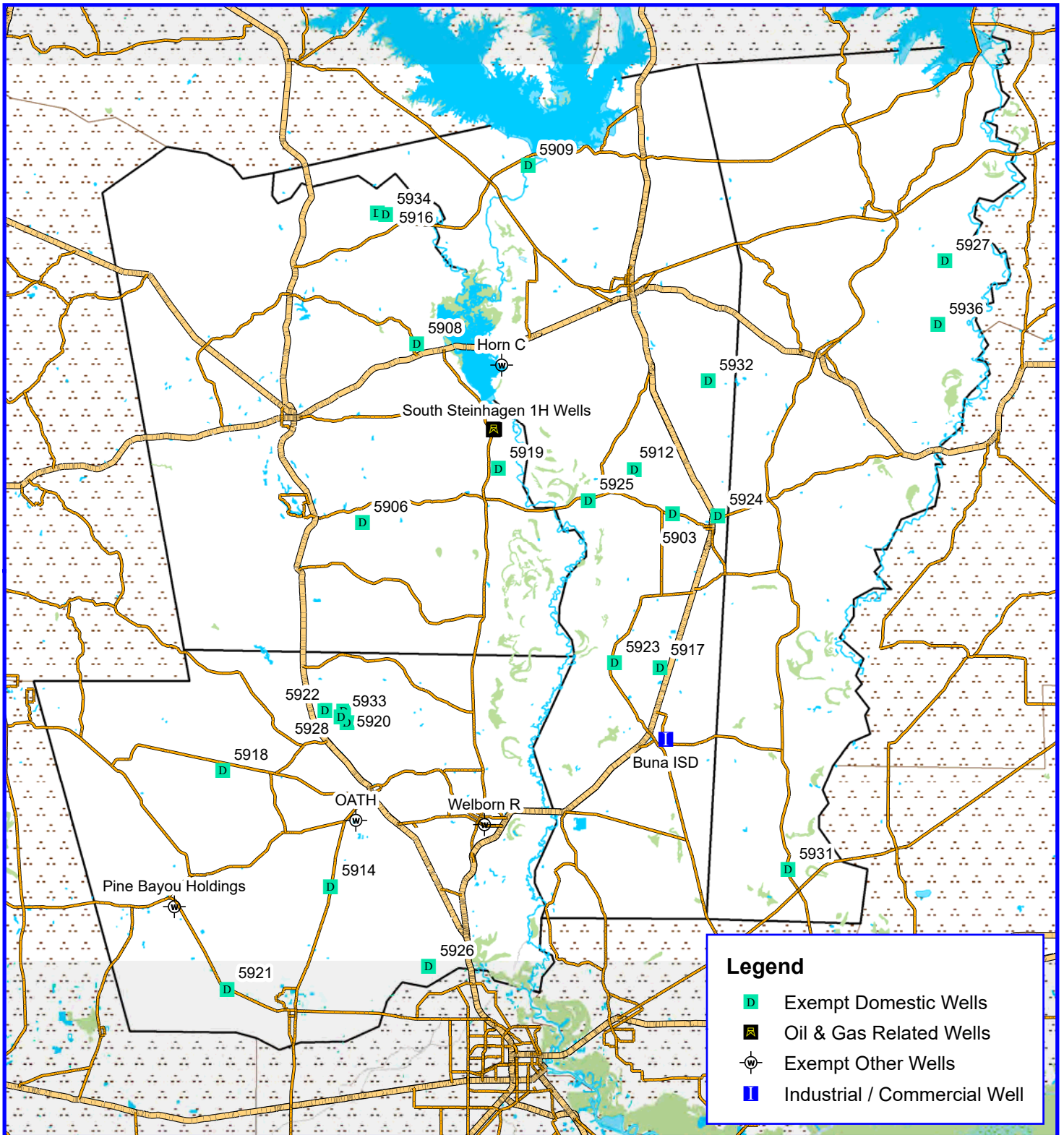
Data Source  
ESRI Street Map USA 2006  
SETGCD ArcView GIS Database



# Oil & Gas Related Well - September 2023

WELL NAME	FRACKED?	WELL OWNER	DRILLING CO.	DRILLER NAME	Date_Entered
South Steinhagen 1H	Y	Navidad Operating	Pinnergy LTD	Skipper Hagler	09/12/2023

# Registered/Permitted Wells - October 2023

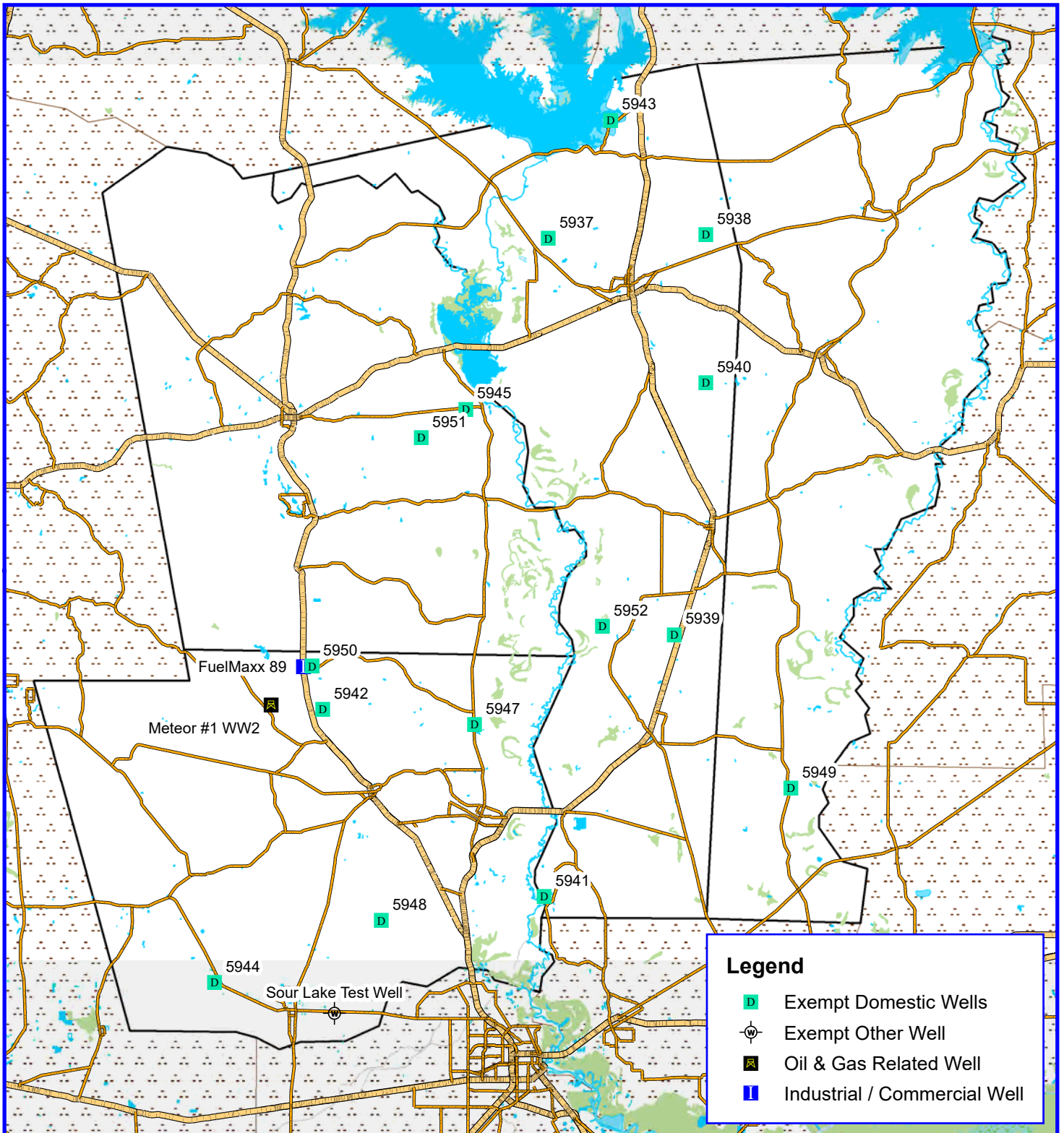


	<p><b>Drafted By:</b> John Martin, Southeast Texas GCD</p> <p><b>Date:</b> November 1, 2023</p>	





# Oil & Gas Related Well - October 2023

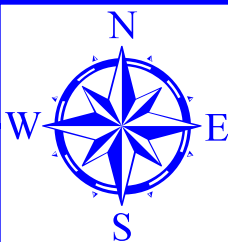
WELL NAME	FRACKED?	WELL OWNER	DRILLING CO.	DRILLER NAME	Date_Entered
South Steinhagen 1H	Y	Navidad Operating	Pinnergy LTD	Skipper Hagler	10/04/2023
South Steinhagen 1H	Y	Navidad Operating	Fas-Line Services	Clint Scudday	10/07/2023
South Steinhagen 1H	Y	Navidad Operating	Pinnergy LTD	Skipper Hagler	10/30/2023

# Registered/Permitted Wells - November 2023



## Legend

-  Exempt Domestic Wells
-  Exempt Other Well
-  Oil & Gas Related Well
-  Industrial / Commercial Well



Drafted By:  
John Martin, Southeast Texas GCD

Date  
December 1, 2023

Data Source  
ESRI Street Map USA 2006  
SETGCD ArcView GIS Database



## Oil & Gas Related Well - November 2023

WELL NAME	FRACKED?	WELL OWNER	DRILLING CO.	DRILLER NAME	Date_Entered
Meteor #1 WW2	Y	Jamex, Inc.	Fas-Line Services, Inc.	Clint Scuddy	11/30/2023



# GOAL 4.6

## ADDRESSING DROUGHT CONDITIONS

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*(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.*
- 
- 

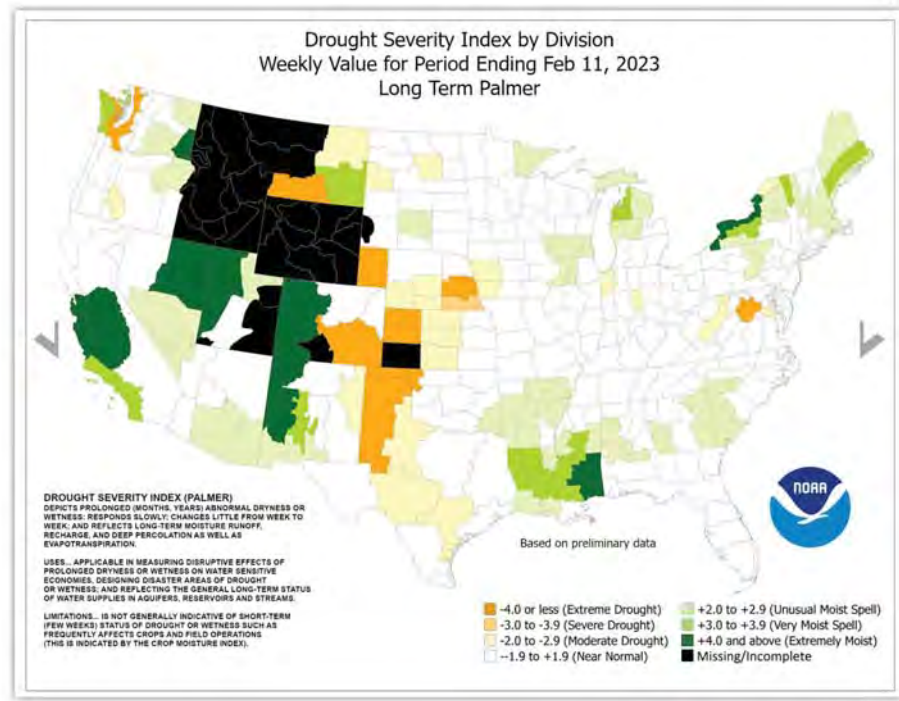
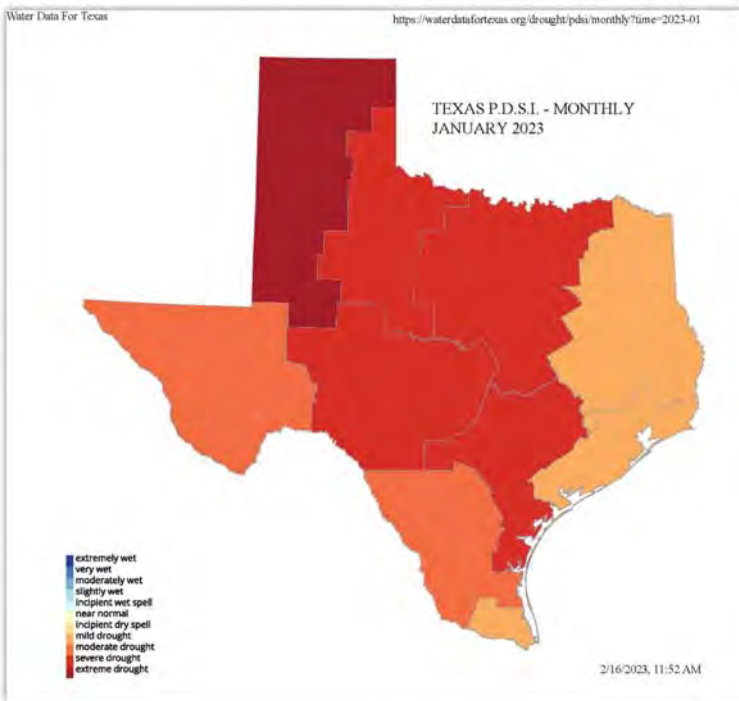
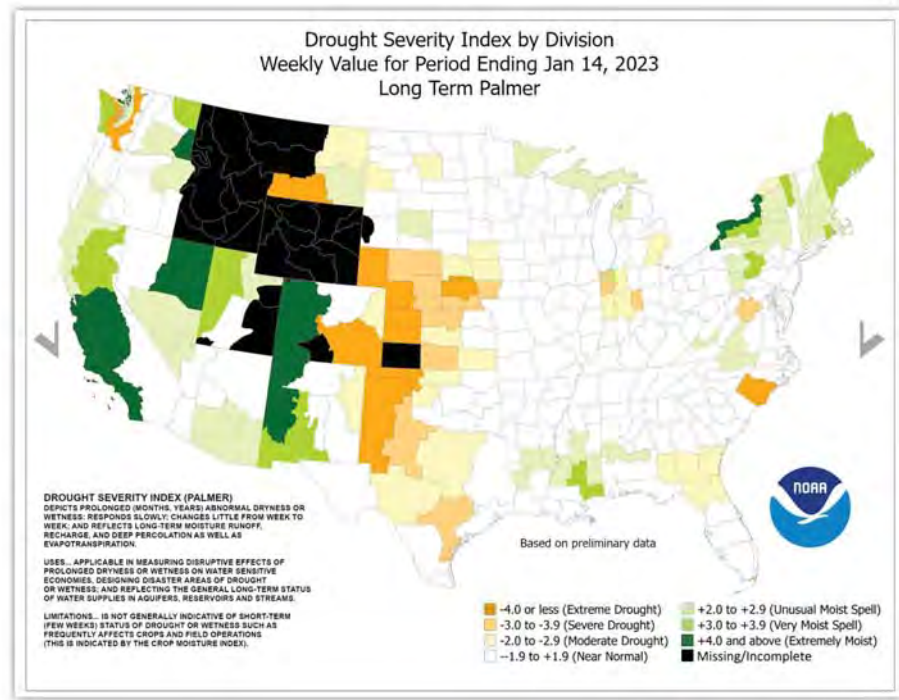
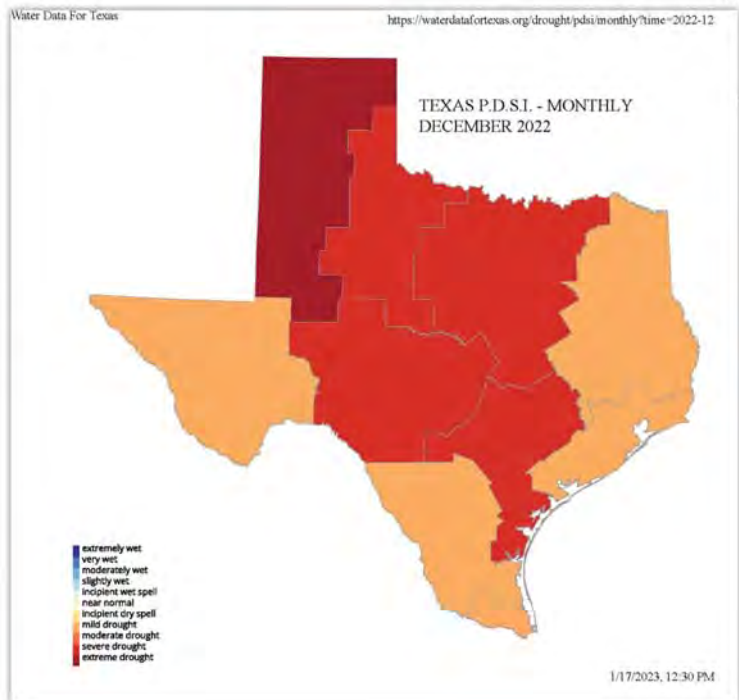
### OBJECTIVE 1

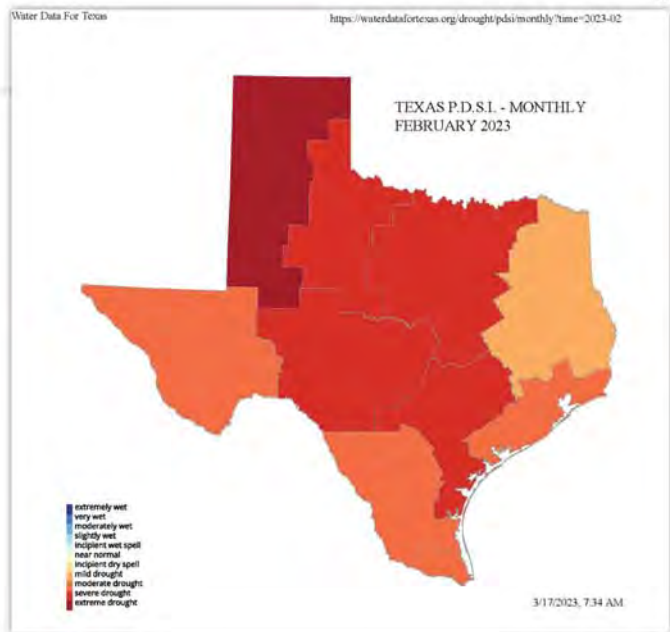
An article addressing drought conditions within the Southeast Texas Groundwater Conservation District was published in the Fall 2023 issue of the SETGCD Well Monitor Newsletter and posted on the District's website on November 7, 2023 (see Appendix A – Tab 12).

Each month the District posts relevant drought conditions maps on the District's website and at the District office (copies attached). The maps are typically the monthly Texas Palmer Drought Severity Index map, the monthly U.S. Palmer Drought Severity Index map, or the latest U.S. Drought Monitor map. These maps, as well as the NOAA Precipitation Probability maps and the U.S. Seasonal Drought Outlook maps, are included in the District's Manager's Report and are provided to the Board of Directors every month. 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.

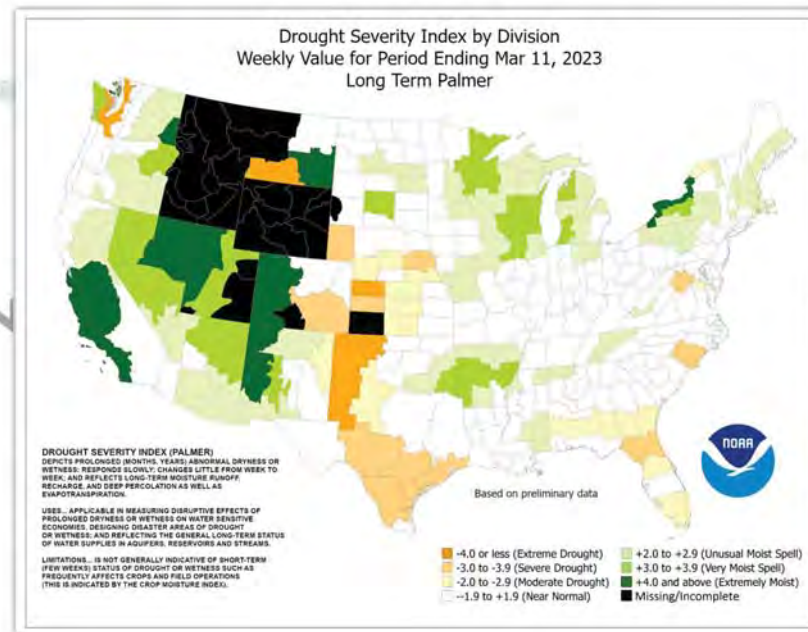
The District continues to maintain a webpage dedicated to drought information and drought conditions. Included on this page are links to the Texas Drought Preparedness Council's website with the most up-to-date Statewide Drought Situation Reports. These reports give a concise overview of current drought 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 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 that are updated daily, and many other useful tools and datasets.

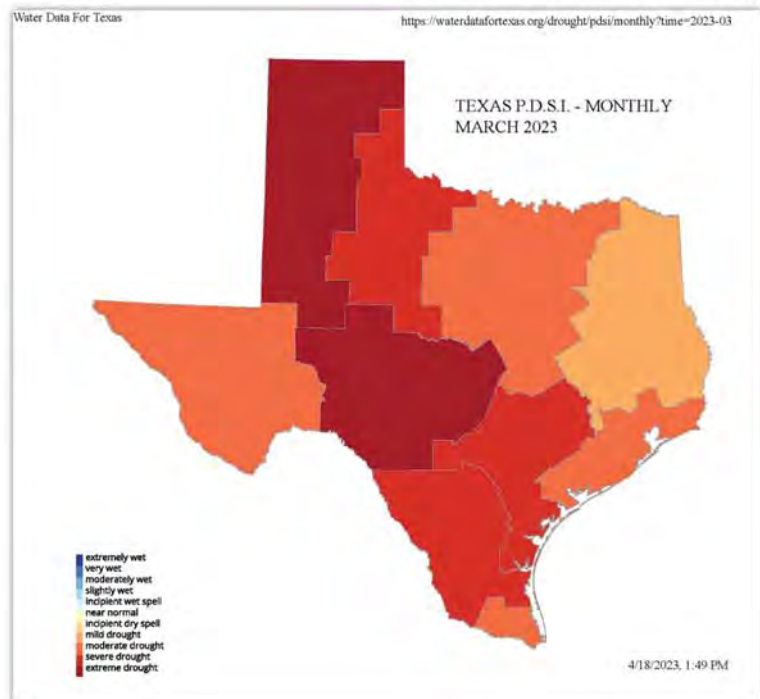




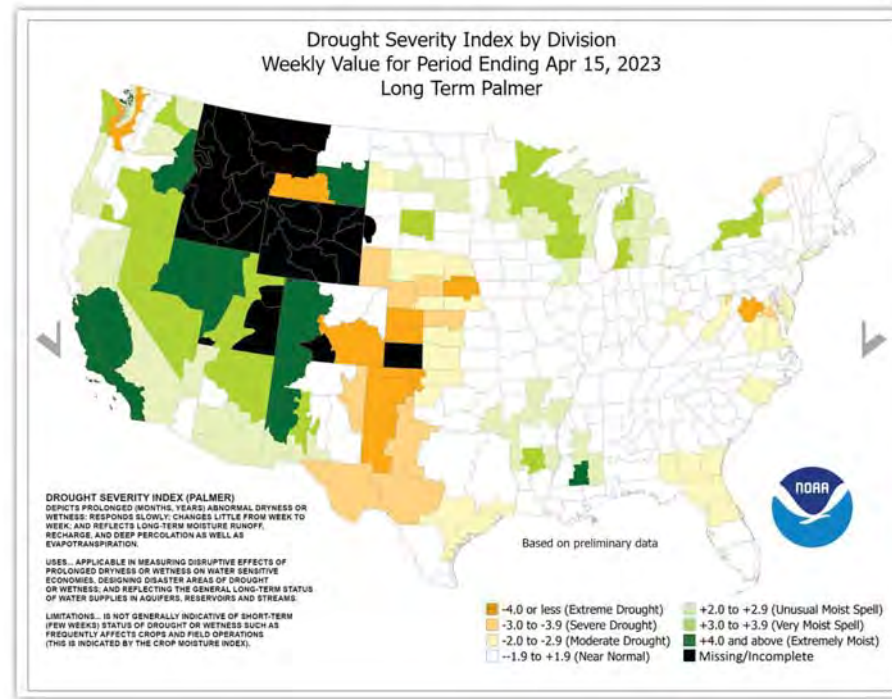
2/2

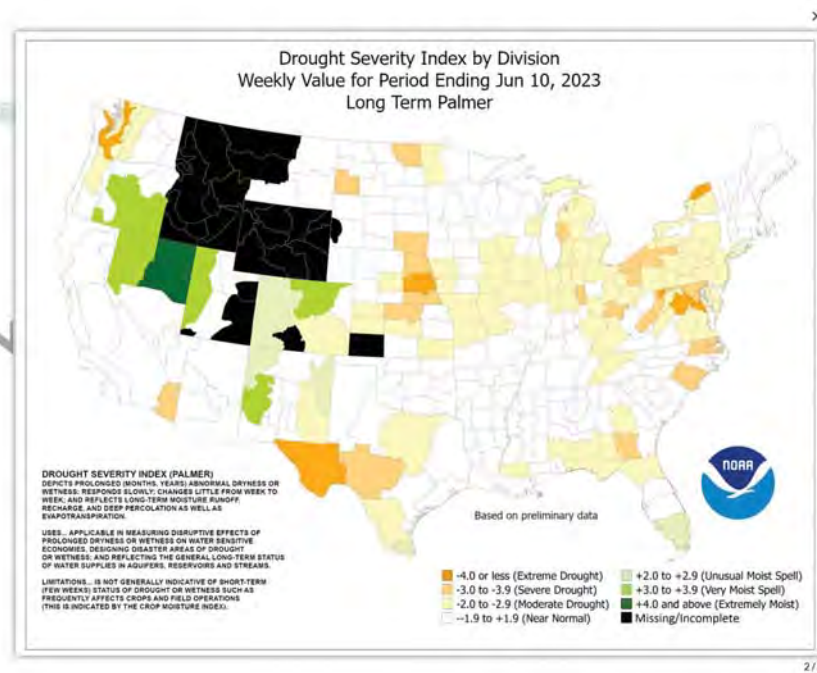
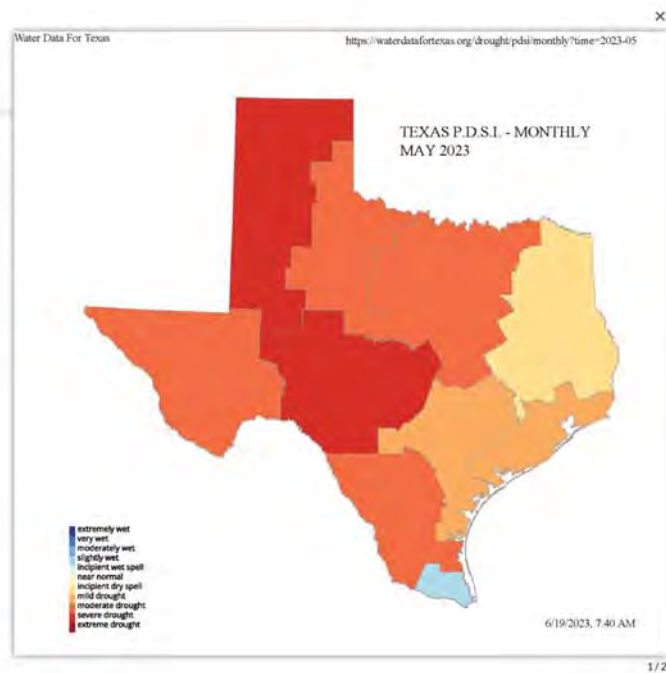
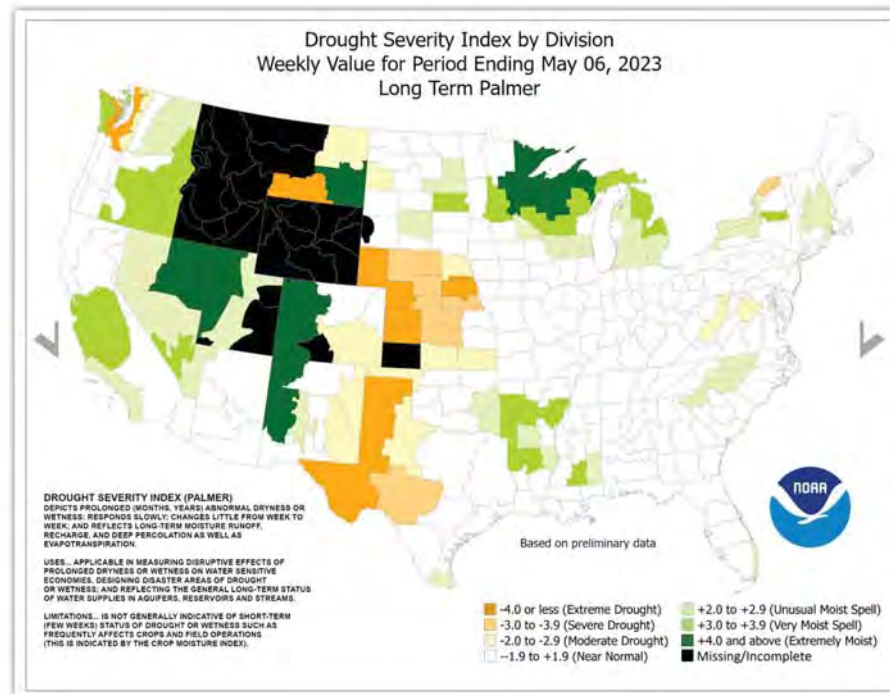
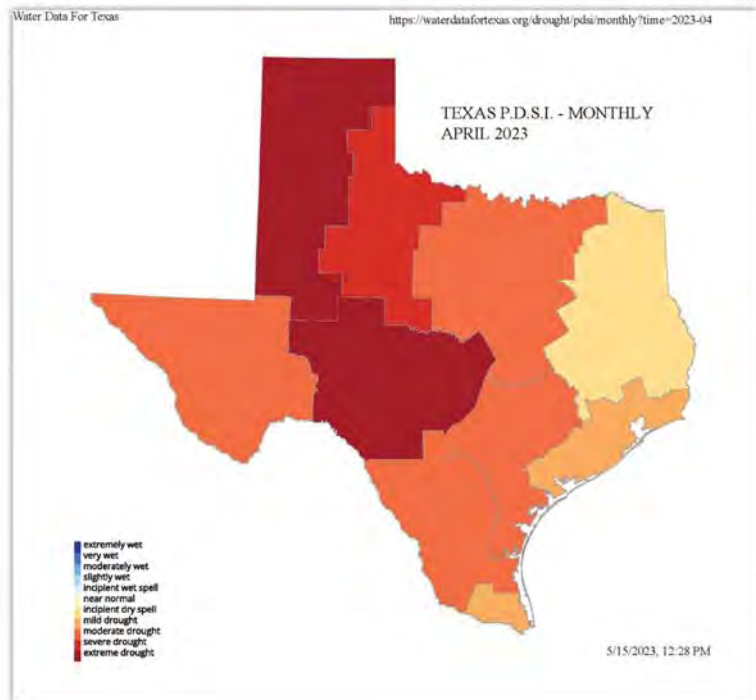


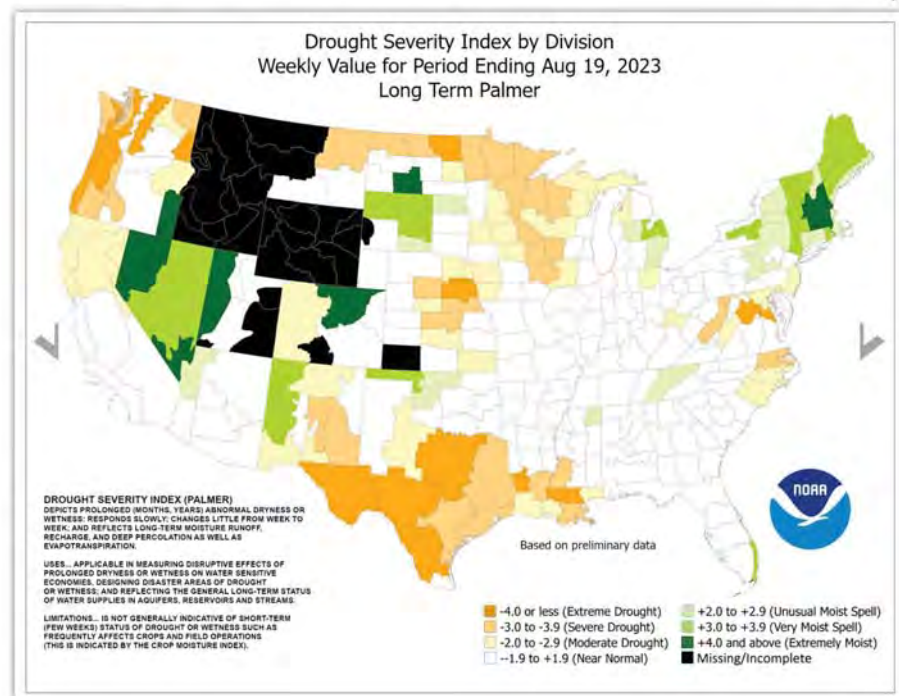
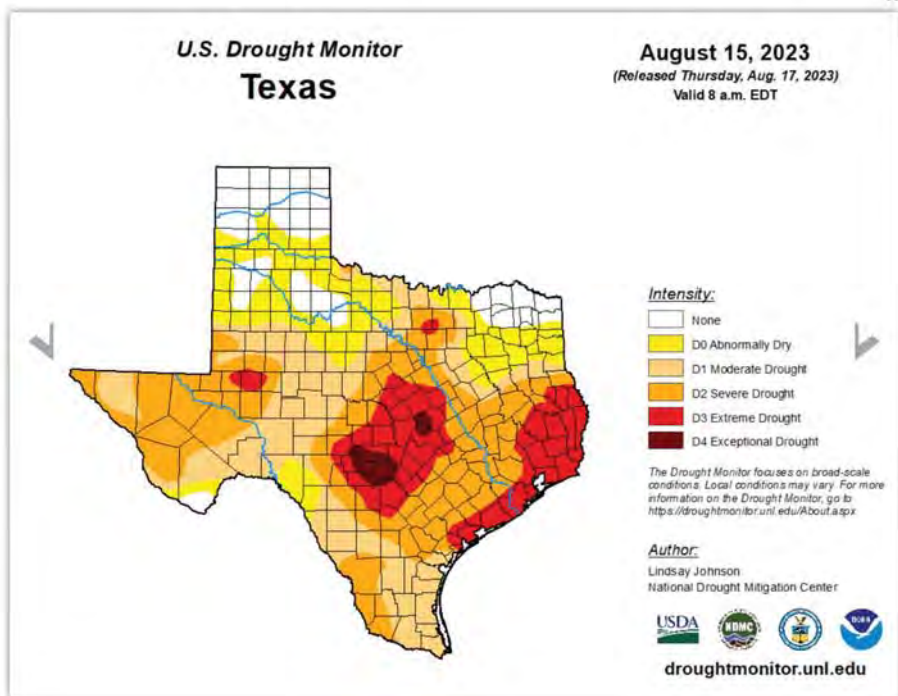
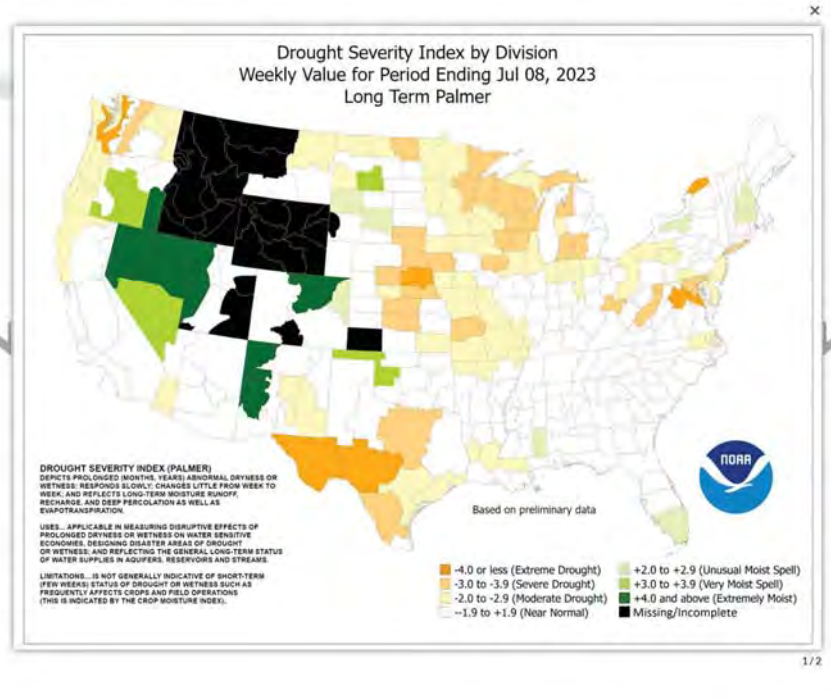
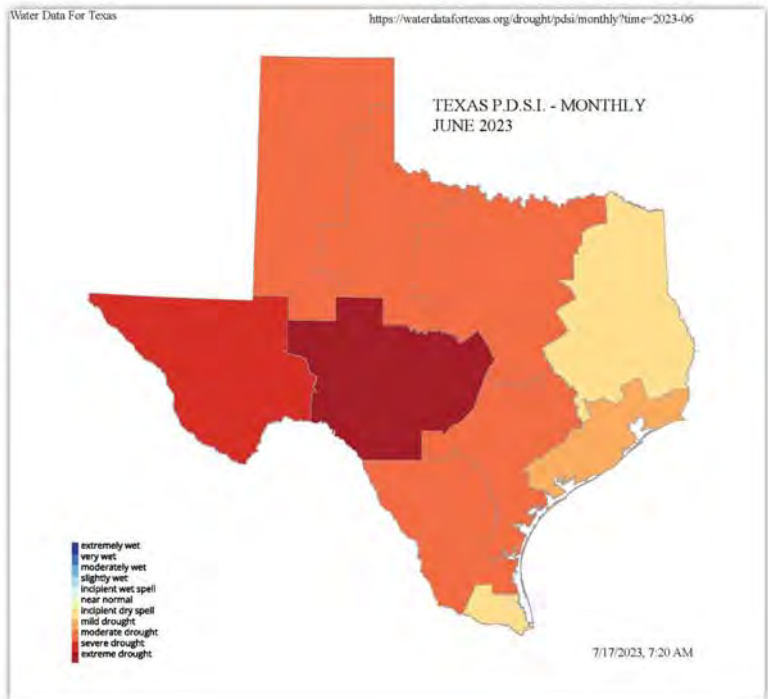
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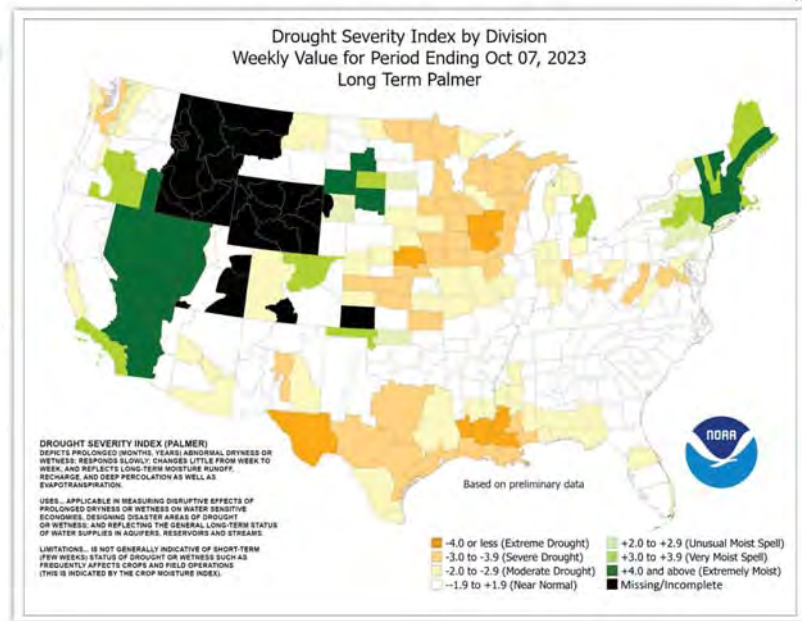
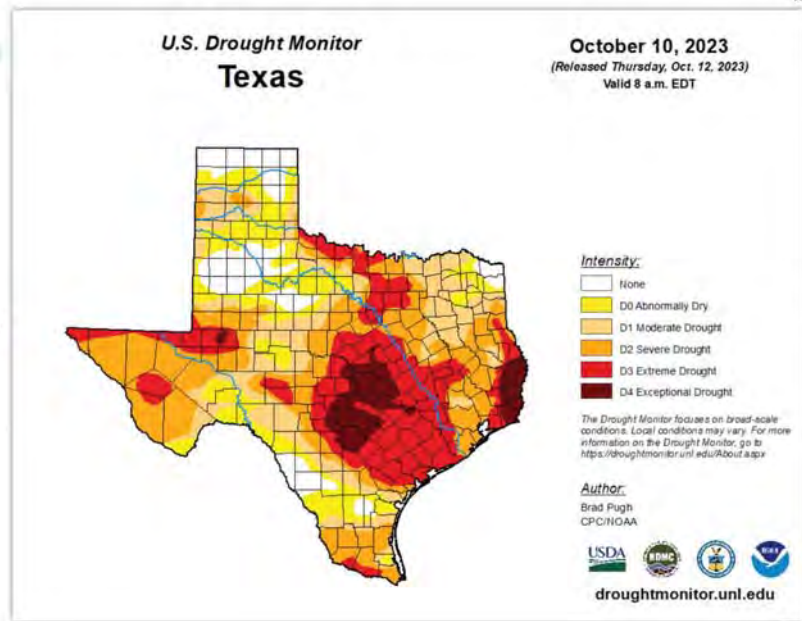
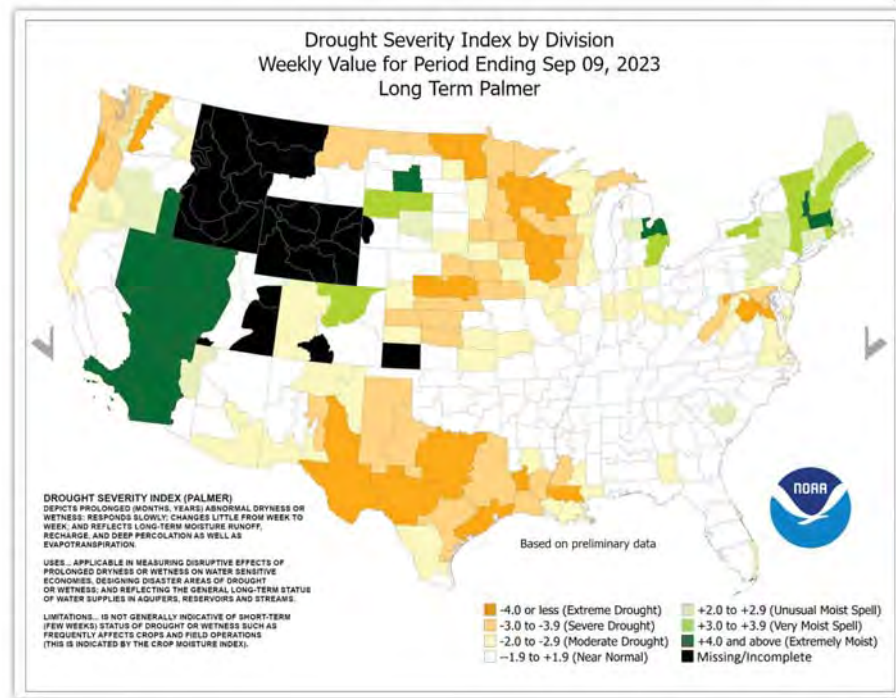
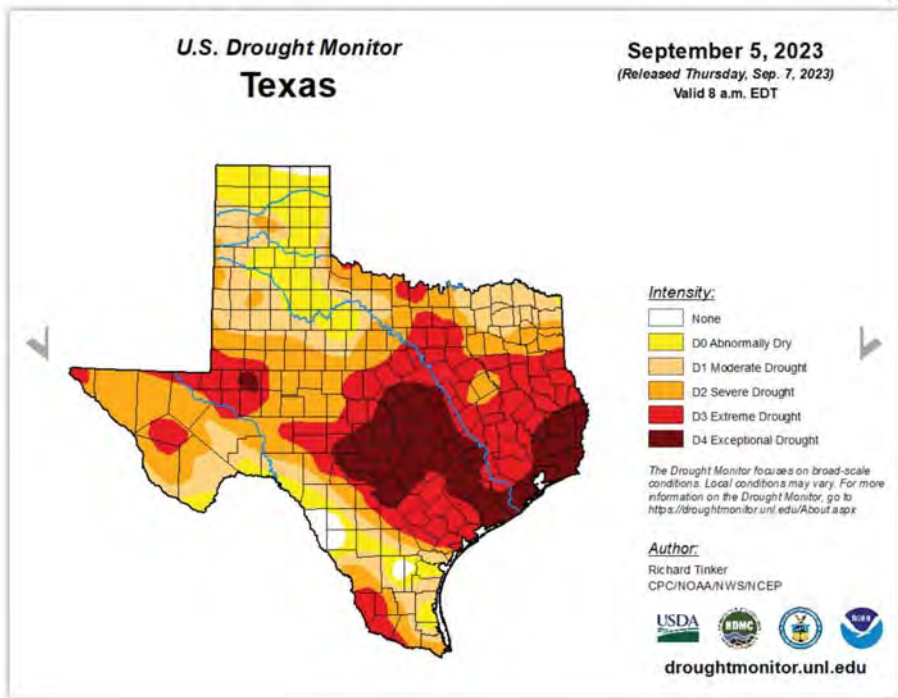


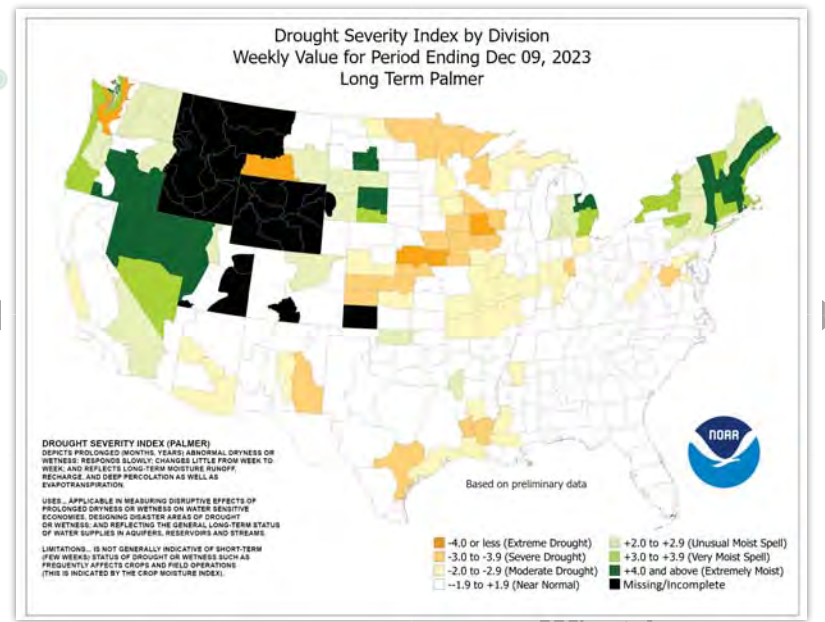
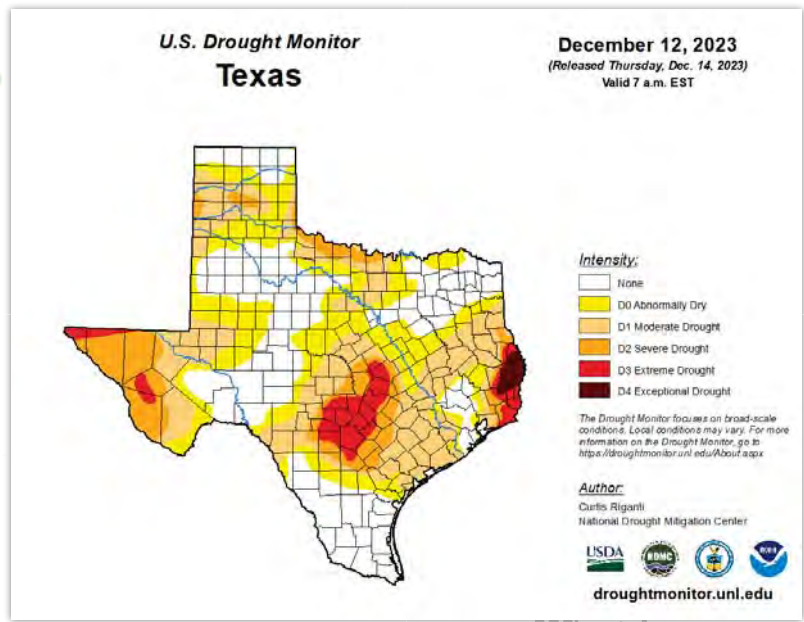
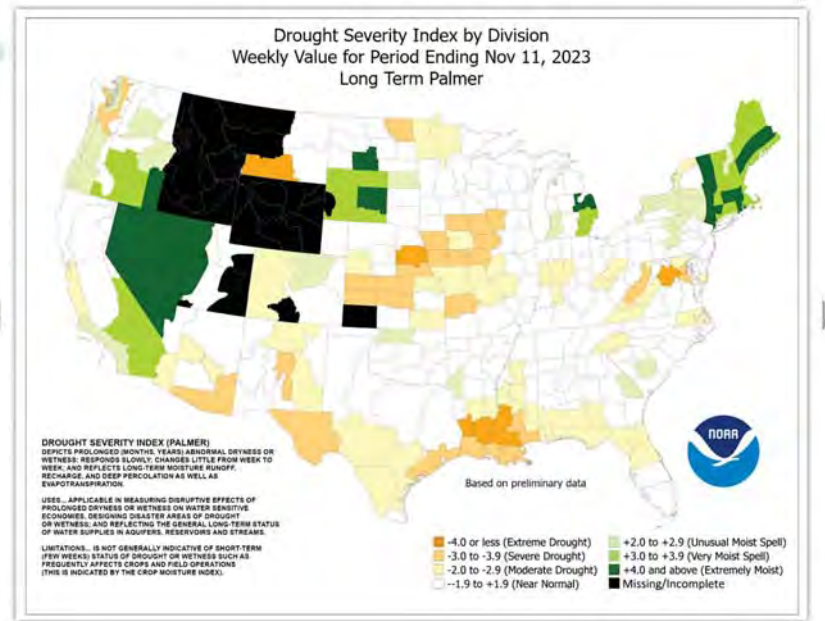
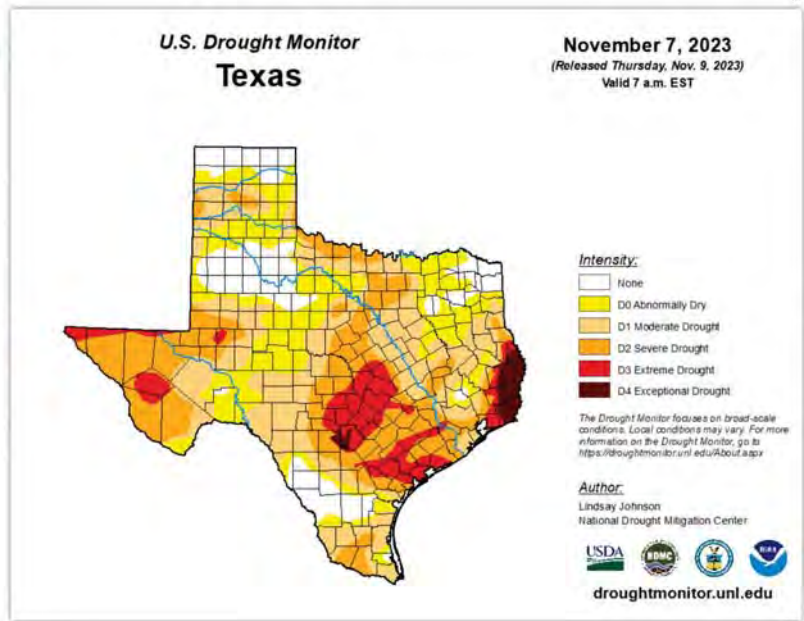
4/18/2023, 2:00 PM











What is

What is

# GOAL 4.7

## ADDRESSING CONSERVATION, RECHARGE ENHANCEMENT, RAINWATER HARVESTING, PRECIPITATION ENHANCEMENT, OR BRUSH CONTROL

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*(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

An article titled "Plan Ahead: Conserve Water – Reduce Summertime Waste" was posted to the District's website and was submitted to the following newspapers on September 25, 2023: the *Beaumont Enterprise/Jasper Newsboy*, the *Buna Beacon*, the *East Texas Banner*, the *Newton County News*, the *Silsbee Bee*, and the *Tyler County Booster*. After submitting the article, it was learned that the *East Texas Banner* and the *Newton County News* are no longer published. To assist the newspapers, the article was provided electronically, via email, in two formats (PDF and Microsoft Word).



# GOAL 4.7

## OBJECTIVE 2

This objective was met by the publication of the Fall 2023 SETGCD Well Monitor Newsletter (see Appendix A). The newsletter was emailed to permit holders on November 6, 2023 or mailed in the event no email address was available on November 13, 2023. The newsletter was also emailed or mailed to public officials throughout the District on either November 6, 2023 or November 9, 2023 as well as mailed to all water well drillers within the District and surrounding counties. Copies of the mailing address databases are included in Appendix A. The Fall 2023 SETGCD Well Monitor Newsletter was also posted on the District website on November 7, 2023 for easy access by the general public.

## Plan Ahead: Conserve Water – Reduce Summertime Waste

Springtime is quite a ways off, but it's never too early to start planning ahead with regard to our lawncare and landscaping. 2023 has proven to be a very dry summer and if you are like me, you have large brown area where grass used to grow, maybe even some bushes or trees that didn't survive the summer. Looking toward next spring, we can start thinking about how to better manage our yards, reducing the waste of water, and using the water our water more efficiently by replacing plants that may have died with drought resistant species. As we have all seen how dry it can be, and all of the impacts of drought conditions, such as the increase in wildfires, now is a good time to start thinking about how to conserve water so you are ready come next spring (especially if the drought conditions continue into next year).

On average, over 55% of the water we use at home is used outside. With the start of spring we begin watering our gardens and lawns, we spend more time washing vehicles and boats, and as summer arrives we fill our pools. All of these activities can use large amounts of water.

When it comes to watering the plants in your yard, there are several simple ways to reduce your water consumption. The use of mulch in the garden and in flowerbeds will reduce the rate of evaporation as well as suppress the growth of competing weeds. Mulch combined with the use of drip hoses will provide your plants with the water they need much more effectively than sprinklers, with minimal waste of the water. If you are watering with a sprinkler and do not have an automatic watering system, set a timer so that you don't forget to turn the water off after a selected amount of time. When it comes to watering your lawn, by allowing the grass to grow a little longer it will require less water. Taller grass enhances root development and also shades the root zone. When you do water, be sure to do so in the evening or early morning to minimize the evaporation of the water you just applied. Also, be sure that you water long enough for the water to soak down to the roots of your plants.

When landscaping new areas of your yard or replacing plants that may not have survived the 2023 summer, plan before planting! Consider wildscaping or xeriscaping. Wildscaping is meant to regenerate the native species of plants (and animals), which will require little to no aftercare. Not only will it not require much attention, the new area will also be attractive to local wildlife. Texas Parks and Wildlife has a website with lots of good information on wildscaping at:

[https://tpwd.texas.gov/huntwild/wild/wildlife\\_diversity/wildscapes/](https://tpwd.texas.gov/huntwild/wild/wildlife_diversity/wildscapes/)

Xeriscaping (pronounced "zeer-i-scapeing"), not to be confused with zeroscaping which utilizes lots of stone, gravel and concrete, is another way to landscape in a manner that reduces or eliminates the need for watering. This is accomplished by using plants that are compatible with the local climate. The main difference between wildscaping and xeriscaping is that the plants used in xeriscaping are not necessarily native and, therefore, will not necessarily enhance habitat for local wildlife.

Other ways to conserve water outdoors and reduce waste are:

- Sweep driveways and walkways, don't use the hose;
- Be sure to have a shut off nozzle on the hose when you wash you vehicles so as not to leave the water flowing when not needed;

- If possible, use rain collection barrels to supply water for your flowers and garden;
- Clean gutters and downspouts manually;
- Cover swimming pools to reduce evaporation (this can save you thousands of gallons a year);
- Be sure to check all outdoor plumbing regularly for leaks.

And remember, water conservation isn't something you should think about only in times of drought. The less water we waste today will help assure we have enough water tomorrow.



**SOUTHEAST TEXAS  
GROUNDWATER  
CONSERVATION DISTRICT**

P.O. BOX 1407  
JASPER, TEXAS 75951

PRESIDENT  
VICE PRESIDENT  
SEC / TREAS

ROGER FUSSELL  
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BOBBY ROGERS  
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ROBB STAR  
M. CHARLES ZIMMERMAN

GENERAL MANAGER  
GENERAL COUNSEL

JOHN M. MARTIN  
JOHN D. STOVER

September 25, 2023

Beaumont Enterprise / Jasper Newsboy  
**Attn:** Editor  
380 Main Street  
Beaumont, TX 77701  
**VIA –E-Mail –** [Localnews@beaumontenterprise.com](mailto:Localnews@beaumontenterprise.com)

**Re: Water Conservation Article “Plan Ahead: Conserve Water – Reduce  
Summertime Waste”**

I would appreciate it if you would consider publishing the attached conservation 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 or typographic 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

## John Martin

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**From:** John Martin  
**Sent:** Monday, September 25, 2023 7:53 AM  
**To:** 'localnews@beaumontenterprise.com'  
**Subject:** Groundwater Conservation Article  
**Attachments:** Beaumont Enterprise.pdf; Conservation article.docx; Conservation article.pdf

Hello Beaumont Enterprise / Jasper Newsboy,

Please see my attached cover letter and water conservation/waste reduction article.

John Martin  
Southeast Texas Groundwater  
Conservation District  
(409) 383-1577





**SOUTHEAST TEXAS  
GROUNDWATER  
CONSERVATION DISTRICT**

P.O. BOX 1407  
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GENERAL MANAGER  
GENERAL COUNSEL

JOHN M. MARTIN  
JOHN D. STOVER

September 25, 2023

East Texas Banner  
**Attn:** Amanda Rodrigues  
104 N. Kellie  
Kirbyville, TX 75956  
**VIA E-Mail – [Editor@easttexasbanner.com](mailto:Editor@easttexasbanner.com)**

**Re: Water Conservation Article “Plan Ahead: Conserve Water – Reduce  
Summertime Waste”**

Dear Amanda:

I would appreciate it if you would consider publishing the attached conservation 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

## John Martin

---

**From:** John Martin  
**Sent:** Monday, September 25, 2023 7:48 AM  
**To:** editor@easttexasbanner.com  
**Subject:** Groundwater Conservation Article  
**Attachments:** East Texas Banner.pdf; Conservation article.docx; Conservation article.pdf

Hello Amanda,

Please see my attached cover letter and water conservation/waste reduction article.

John Martin  
Southeast Texas Groundwater  
Conservation District  
(409) 383-1577





**SOUTHEAST TEXAS  
GROUNDWATER  
CONSERVATION DISTRICT**

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ROBB STAR  
M. CHARLES ZIMMERMAN

GENERAL MANAGER  
GENERAL COUNSEL

JOHN M. MARTIN  
JOHN D. STOVER

September 25, 2023

Newton County News  
Attn: Shawn Wilkerson  
211 Glover Dr.  
Newton, TX 75966  
**VIA E-Mail – [Newtonnews@valornet.com](mailto:Newtonnews@valornet.com)**

**Re: Water Conservation Article “Plan Ahead: Conserve Water – Reduce  
Summertime Waste”**

Dear Mr. Wilkerson:

I would appreciate it if you would consider publishing the attached conservation 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



## John Martin

---

**From:** John Martin  
**Sent:** Monday, September 25, 2023 7:52 AM  
**To:** 'newtonnews@valornet.com'  
**Subject:** Groundwater Conservation Article  
**Attachments:** Newton County News.pdf; Conservation article.docx; Conservation article.pdf

Hello Mr. Wilkerson,

Please see my attached cover letter and water conservation/waste reduction article.

John Martin  
Southeast Texas Groundwater  
Conservation District  
(409) 383-1577





**SOUTHEAST TEXAS  
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M. CHARLES ZIMMERMAN

GENERAL MANAGER  
GENERAL COUNSEL

JOHN M. MARTIN  
JOHN D. STOVER

September 25, 2023

Silsbee Bee  
**Attn:** Daniel Oliveaux, Editor  
410 Hwy. 96 South  
Silsbee, TX 77656  
**VIA E-Mail – [Editor@Silsbeebec.com](mailto:Editor@Silsbeebec.com)**

**Re: Water Conservation Article “Plan Ahead: Conserve Water – Reduce  
Summertime Waste”**

Dear Mr. Oliveaux:

I would appreciate it if you would consider publishing the attached conservation 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

## John Martin

---

**From:** John Martin  
**Sent:** Monday, September 25, 2023 7:50 AM  
**To:** 'editor@silsbeebec.com'  
**Subject:** Groundwater Conservation Article  
**Attachments:** Silsbee Bee.pdf; Conservation article.docx; Conservation article.pdf

Hell Mr. Oliveaux,

Please see my attached cover letter and water conservation/waste reduction article.

John Martin  
Southeast Texas Groundwater  
Conservation District  
(409) 383-1577





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GENERAL MANAGER  
GENERAL COUNSEL

JOHN M. MARTIN  
JOHN D. STOVER

September 25, 2023

Tyler County Booster  
Attn: Jim Powers, Editor  
205 W. Bluff  
Woodville, TX 75979  
VIA E-Mail – [news@TylerCountyBooster.com](mailto:news@TylerCountyBooster.com)

**Re: Water Conservation Article “Plan Ahead: Conserve Water – Reduce  
Summertime Waste”**

Dear Mr. Powers:

I would appreciate it if you would consider publishing the attached conservation 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 Martin  
General Manager

## John Martin

---

**From:** John Martin  
**Sent:** Monday, September 25, 2023 7:45 AM  
**To:** News@tylercountybooster.com  
**Subject:** Groundwater Conservation Article  
**Attachments:** Tyler County Booster.pdf; Tyler County Booster.doc; Tyler County Booster.pdf

Hello Mr. Powers,

Please see my attached cover letter and water conservation/waste reduction article.

John Martin  
Southeast Texas Groundwater  
Conservation District  
(409) 383-1577



## John Martin

---

**From:** John Martin  
**Sent:** Monday, September 25, 2023 7:49 AM  
**To:** News@tylercountybooster.com  
**Subject:** Groundwater Conservation Article  
**Attachments:** Tyler County Booster.pdf; Conservation article.docx; Conservation article.pdf

Hi Mr. Powers,

How about this time in actually include the article.

John Martin  
Southeast Texas Groundwater  
Conservation District  
(409) 383-1577



## CONSERVATION CORNER

### Plan Ahead: Conserve Water—Reduce Summertime Waste

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- Clean gutters and downspouts manually;
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# Conservation

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## Water Conservation Tips

- + [Turn Off That Light](#)
- + [Drip Irrigation](#)
- + [Winter Conservation Tips](#)
- + [20 Ways to be Water Smart](#)
- + [Outdoor Water Conservation Tips](#)



+	<b>Water Conservation Tips 2016</b>
+	<b>Summertime Water Saving</b>
+	<b>Winter Conservation Tips</b>
+	<b>How Not To Waste Water</b>
+	<b>Every Drop Counts</b>
+	<b>Water Footprint - You're Using More Than You Think</b>
+	<b>Drought Preparedness - Conserve Now Before You Have To</b>
+	<b>Plan Ahead: Conserve Water - Reduce Summertime Waste</b>

## Texas Water Development Board



Water Conservation 7  
Conserving Water Ou  
Conserving Water Inc  
TWBD Kids  
Coloring Book



## 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 County Courthouse Annex Building  
271 E. Lamar, Suite 202, 2nd Floor -  
Emergence Operations Center Offices  
Jasper, TX 75951

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# GOAL 4.8

## ADDRESSING IN A QUANTITATIVE MANNER THE DESIRED FUTURE CONDITIONS

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### 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 approximately fifty (50) wells on two separate occasions in 2023 (Spring and Fall – reports attached). 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 and has equipped a second well in the District with a transducer, well 6203704. These transducers allow for static water levels to be obtained from these wells via the internet with data that is updated daily and can be found at:

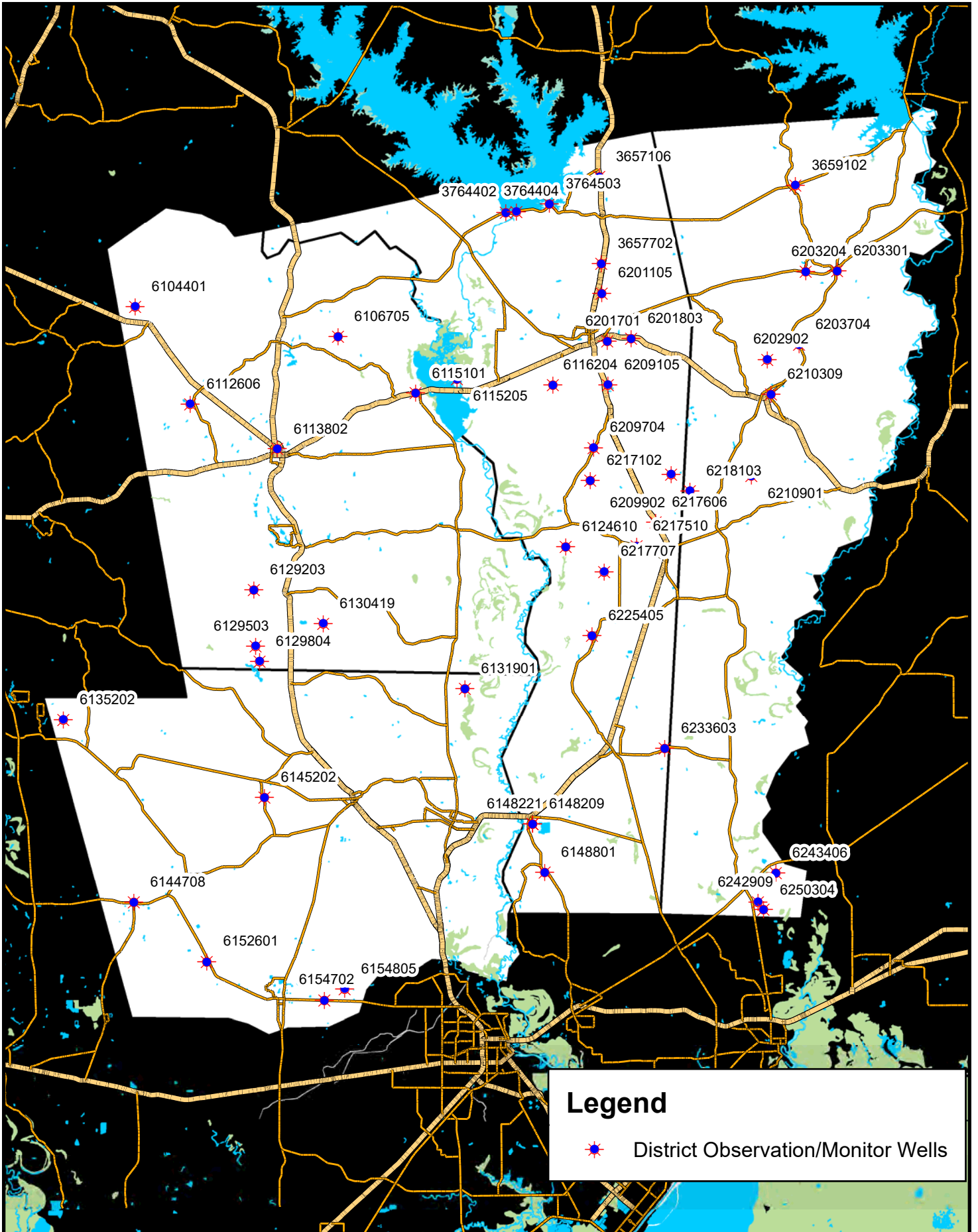
<http://www.twdb.state.tx.us/gwrd/waterlevels/waterlevels.html>. Two additional sites have been scouted and put on the Texas Water Development Board's list to receive transducers, which would provide for one transducer equipped / internet connected well in each of the District's four counties.

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 this 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.

## GOAL 4.8

A report prepared by William R. Hutchison, Ph.D, P.E., P.G., titled “*Comparison of Measured Drawdown with Simulated Drawdowns from the Desired Future Conditions Adopted in 2021 in Groundwater Management Area 14*”, dated October 6, 2023 and presented at the October 26, 2023 GMA 14 meeting is included. This report is to provide the GMA 14 Members with information on how static water levels are comparing to the DFCs within GMA 14 and each District. A summary of the results states that the comparison of actual drawdown data and simulated drawdown data from the HAGM simulation used as part of the joint planning process shows that current actual drawdowns **are consistent with the 2021 desired future condition statement.**

# Water Level Observation Wells - 2023





# SPRING 2023

6104401	Tyler	5/18/2023	-164.37	0.00	-164.37	E-Line		John Martin
6106705	Tyler	5/18/2023	-150.28	2.20	-148.08	Steel Tape		John Martin
6112606	Tyler	5/18/2023	-123.58	0.30	-123.28	E-Line		John Martin
6113802	Tyler	5/18/2023	-164.75	1.50	-163.25	E-Line		John Martin
6115101	Tyler	5/16/2023	-33.12	0.50	-32.62	E-Line		John Martin
6115501	Tyler			2.00	2.00		no longer recording	John Martin
6115703	Tyler			0.00			no longer in program	John Martin
6121110	Tyler			0.33			recommending closure	John Martin
6129203	Tyler	5/16/2023	-18.25	3.00	-15.25	E-Line		John Martin
6129503	Tyler	5/16/2023	-21.83	2.50	-19.33	E-Line		John Martin
6129804	Tyler	5/17/2023	-28.28	1.55	-26.73	Steel Tape		John Martin
6130419	Tyler	5/9/2023	-7.52	3.50	-4.02	E-Line		John Martin
3659102	Newton	5/9/2023	-95.42	2.33	-93.09	E-Line		John Martin
6202902	Newton	5/9/2023	-9.51	1.65	-7.86	E-Line		John Martin
6203204	Newton	5/9/2023	-68.10	1.70	-66.40	Steel Tape		John Martin
6203301	Newton	5/9/2023	-38.83	2.30	-36.53	E-Line		John Martin
6203704	Newton	5/9/2023	-172.98	1.30	-171.68	E-Line		John Martin
6210309	Newton	5/9/2023	-66.20	2.95	-63.25	E-Line		John Martin
6210901	Newton	6/1/2023	-16.72	0.50	-16.22	E-Line		John Martin
6218103	Newton	5/9/2023	-35.90	1.25	-34.65	E-Line		John Martin
6242909	Newton	5/2/2023	-38.40	1.60	-36.80	E-Line		John Martin
6243406	Newton	5/2/2023	-27.18	1.60	-25.58	E-Line		John Martin
6250304	Newton	5/2/2023	-37.65	1.00	-36.65	E-Line		John Martin



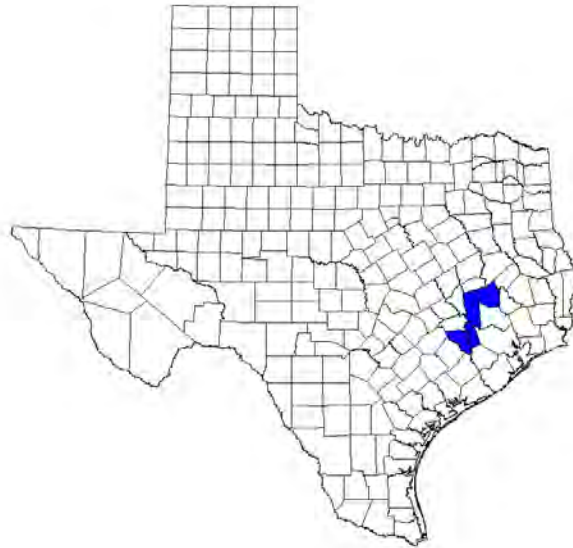


# FALL 2023

6104401	Tyler	11/27/2023	-159.25	0.00	-159.25	E-Line & Steel Tape	John Martin
6106705	Tyler	11/27/2023	-152.65	2.20	-150.45	Steel Tape	John Martin
6112606	Tyler	11/27/2023	-124.42	0.30	-124.12	E-Line	John Martin
6113802	Tyler	11/27/2023	-165.50	1.50	-164.00	E-Line	John Martin
6115101	Tyler	12/13/2023	-34.13	0.50	-33.63	E-Line	John Martin
6115501	Tyler			2.00	2.00	Army Corp Of Eng. - Plugged	John Martin
6115703	Tyler			0.00		no longer in program	John Martin
6121110	Tyler			0.33		recommending closure	John Martin
6129203	Tyler	11/27/2023	-28.23	3.00	-25.23	E-Line	John Martin
6129503	Tyler	11/27/2023	-28.56	2.50	-26.06	E-Line	John Martin
6129804	Tyler	12/12/2023	-33.90	1.55	-32.35	Steel Tape	John Martin
6130419	Tyler	11/14/2023	-18.90	3.50	-15.40	E-Line	John Martin
3659102	Newton	11/28/2023	-97.80	2.33	-95.47	E-Line	John Martin
6202902	Newton	11/28/2023	-16.50	1.65	-14.85	E-Line	John Martin
6203204	Newton	11/28/2023	-69.50	1.70	-67.80	Steel Tape	John Martin
6203301	Newton	11/28/2023	-40.17	2.30	-37.87	E-Line	John Martin
6203704	Newton	11/27/2023	-174.12	0.00	-174.12	TWDB Uplink	John Martin
6210309	Newton	11/28/2023	-68.35	2.95	-65.40	E-Line	John Martin
6210901	Newton	11/28/2023	-20.00	0.50	-19.50	E-Line	John Martin
6218103	Newton	11/8/2023	-41.50	1.25	-40.25	E-Line	John Martin
6242909	Newton	11/28/2023	-41.40	1.60	-39.80	E-Line	John Martin
6243406	Newton	11/28/2023	-30.66	2.00	-28.66	E-Line	New MP John Martin
6250304	Newton	11/28/2023	-40.67	1.00	-39.67	E-Line	John Martin

*Draft Report*

**Comparison of Measured Drawdown with Simulated Drawdowns  
from the Desired Future Conditions Adopted in 2021 in  
Groundwater Management Area 14:  
2010 to 2022**



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**October 6, 2023**

## **Professional Engineer and Professional Geoscientist Seals**

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- Professional Engineer (Geological and Civil) No. 96287
- Engineering Firm Registration No. 14526
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***Draft Copy for Review  
To be stamped when finalized***

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## 1.0 Introduction and Summary of Results

### 1.1 Introduction

On January 5, 2022, the groundwater management district in Groundwater Management Area 14 adopted desired future conditions as follows:

*In each county in GMA 14, no less than 70 percent median available drawdown remaining in 2080 or no more than an average of 1.0 additional foot of subsidence between 2009 and 2080.*

This desired future condition statement was adopted after reviewing the results of a multi-metric simulation using the Houston Area Groundwater Model (HAGM) documented in Oliver (2021). The HAGM was adopted as the Groundwater Availability Model for the area by the Texas Water Development Board in 2013. The specific model run files were obtained from the folder named:

***32\_PEST\_ConsFac\_Base16\_30kLim\_1.0-70\_2080***

The output from the specific simulation that was used in the development of the desired future condition (DFC simulation) was used in this analysis. Specifically, the DFC simulation output was processed to calculate drawdown from the end of 2009 on an annual basis for each model cell. Thus, actual drawdown data from a monitoring well located in the model grid can be compared with the simulated drawdown data. Monitoring well latitude and longitude coordinates and well depth can be used to locate the well in the model grid system of layer, row, and column. In any well, if data were collected during the base year (end of 2009), that groundwater elevation can be used to calculate drawdowns in subsequent years in that same well for comparison with the simulated data at that location.

The objective of this comparison is to assist the groundwater conservation districts in management plans goal implementation related to desired future conditions, and to prepare for the next round of joint planning. This comparison is an update to Hutchison (2022) that was completed based on data through 2021. As developed below, this analysis updated the available data to include 2022.

All files referenced in this report and all Fortran programs used to process TWDB data and model results are included in a Drop Box folder that is accessible at:

<https://www.dropbox.com/scl/fo/skcih50fnk0tiy5xqbeqv/h?rlkey=3njf5l4uhvvg3huadbxh65hhd&dl=0>

### 1.2 Summary of Results

Overall, the comparison of actual drawdown data and simulated drawdown data from the HAGM simulation used as part of the joint planning process shows that current actual drawdowns are consistent with the 2021 desired future condition statement.

The analysis demonstrated limitations with the HAGM and with the specific simulation used in the joint planning process. Specific limitations and the methods to account for them are discussed in this report.

## 2.0 Measured Drawdowns

### 2.1 TWDB Groundwater Database

Data for this analysis were downloaded from the TWDB website on September 20, 2023 at:

<http://www.twdb.texas.gov/groundwater/data/gwdbbrpt.asp>

Data were downloaded from the “Water Levels Advanced” option. Data from the Gulf Coast Aquifer and GMA 14 were specified in the download. The downloaded file was saved as *WaterLevelsAdvanced.csv*. After processing (i.e. deleting records with no data etc.), the file was saved as *TWDB WL GMA 14.xlsx* and *TWDBWLGMA14.csv*.

GMA 14 counties are listed in Table 1.

**Table 1. GMA 14 Counties**

Austin	Liberty
Brazoria	Montgomery
Chambers	Newton
Fort Bend	Orange
Galveston	Polk
Grimes	San Jacinto
Hardin	Tyler
Harris	Walker
Jasper	Waller
Jefferson	Washington

### 2.2 Processing of Actual Groundwater Elevation Data

The downloaded data were processed with three Fortran programs:

- *listwells.exe* writes a list of all wells in the downloaded data (*GMA14welllist.dat*).
- *getrc.exe* finds the row, column, and layer for each well and saves the results in *GMA14welloc.dat*. The layer was selected based on the well depth and the top and bottom elevations of the cell. This program also writes a file that summarizes the county-layer count of wells (*GMA14countylayercount.dat*), and a file that lists the wells that are outside the HAGM grid (*GMA14nolayers.dat*).
- *AnnGWE.exe* reads the list of wells and the GMA 14 groundwater level data. The program then selects the end-of-year data for use in comparison with the HAGM results. The end-of-year groundwater level data is saved in *agwe2009base.dat*. The file *CLDataCount.dat* represents a county-layer count for the end-of-year groundwater level data.

End-of-year groundwater elevations were selected based on the following priority:

1. December of the current year
2. January of the following year
3. November of the current year
4. February of the following year
5. October of the current year
6. March of the following year

The count of wells from *GMA14countylayercount.dat* is presented in Table 2, and the count of end-of-year actual groundwater elevations is presented in Table 3.

**Table 2. Summary of Well Count by County and Layer**

County	Layer 1	Layer 2	Layer 3	Layer 4
Austin	2	10	1	0
Brazoria	52	16	0	0
Chambers	18	2	0	0
FortBend	54	87	0	1
Galveston	25	21	0	0
Grimes	0	3	1	13
Hardin	5	15	0	0
Harris	125	355	9	12
Jasper	5	13	0	7
Jefferson	12	0	0	0
Liberty	5	28	3	2
Montgomery	30	79	23	112
Newton	3	4	0	3
Orange	23	1	0	0
Polk	0	2	4	18
SanJacinto	0	3	9	10
Tyler	1	5	1	7
Walker	0	0	0	7
Waller	0	19	1	1
Washington	0	3	3	8

**Table 3. Summary of End-of-Year Groundwater Elevation Count by County and Layer**

County	Layer 1	Layer 2	Layer 3	Layer 4
Austin	13	28	13	0
Brazoria	202	36	0	0
Chambers	70	9	0	0
FortBend	206	430	0	0
Galveston	187	140	0	0
Grimes	0	26	0	91
Hardin	27	23	0	0
Harris	695	2,186	42	93
Jasper	56	109	0	80
Jefferson	69	0	0	0
Liberty	20	170	19	0
Montgomery	116	487	185	733
Newton	40	42	0	28
Orange	120	0	0	0
Polk	0	10	3	56
SanJacinto	0	7	40	40
Tyler	14	30	8	46
Walker	0	0	0	47
Waller	0	131	6	10
Washington	0	14	0	27

### 3.0 Comparison of Actual and Simulated Groundwater Levels

The Fortran program named *getdd.exe* reads heads file from the 2021 DFC simulation (to obtain the simulated groundwater elevations), calculates simulated cell-by-cell drawdown for the simulation using 2009 as the base year, reads the actual drawdown file (*agwe2009base.dat*, as described above), and writes *actsim20102022.dat* that lists the comparison of actual and simulated drawdown.

The comparison file was imported into an Excel file named *GMA14actsimdd20102022.xlsx*. The actual output from the Fortran program is in the tab named *All*. The data in other tabs represent subsets of these data used for analysis.

The number of comparisons total 6,467. The breakdown by year is as follows:

- 2010 to 2018: 773 comparisons in 2010 declining to 618 comparisons in 2018
- 2019: 95 comparisons
- 2020: 78 comparisons
- 2021: 83 comparisons
- 2022: 75 comparisons

As reported in the comparison made in early 2022 (Hutchison, 2022), analyses of more recent years are based on a smaller sample size than results from 2010 to 2018. For comparison, last years report to compare DFCs and actual data showed the following:



- 2019: one additional data point
- 2020: three additional data points
- 2021: 59 additional data points

The 2022 comparison was completed in February, apparently before all the end-of-year 2022 data had been entered into the database. However, there was not much increase in 2019 and 2020 data. This suggests that this annual comparison should be completed in the fall to capture as many of the end-of-year groundwater elevations as possible. This analysis also suggests that collecting groundwater elevations (by TWDB and other entities) has decreased significantly since 2018.

## 4.0 Results

The purpose of this analysis was to provide a high-level evaluation of the comparison of actual drawdown data and the simulated drawdown data from the HAGM simulation that was used to develop the 2021 DFCs. As an overview of the comparison, Figure 1 presents a cross-plot of actual drawdown (from TWDB data) and simulated drawdown from the DFC simulation of the HAGM. For purposes of this analysis, data points in Layer 3 (Burkeville Formation) were excluded and data points from Fort Bend, Galveston, and Harris counties (counties with subsidence districts) were excluded. A one-to-one line is also shown for reference. Points that lie to the right or below the red line have measured drawdown less than simulated drawdown. Points that lie to the left or above the red line have measured drawdown greater than the simulated drawdown.

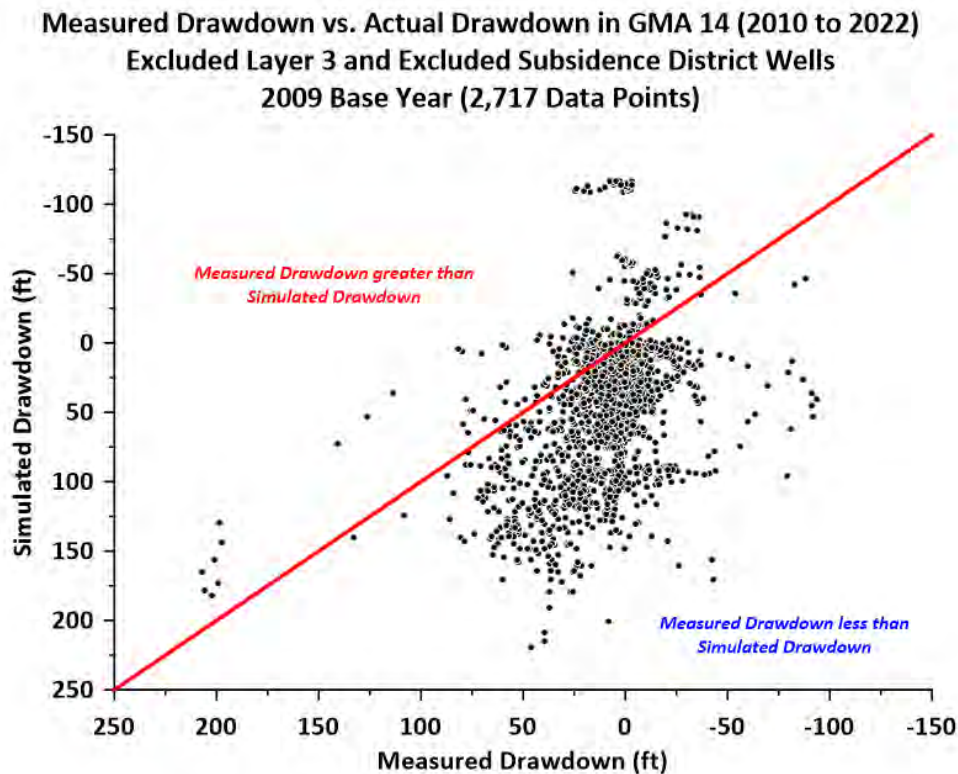
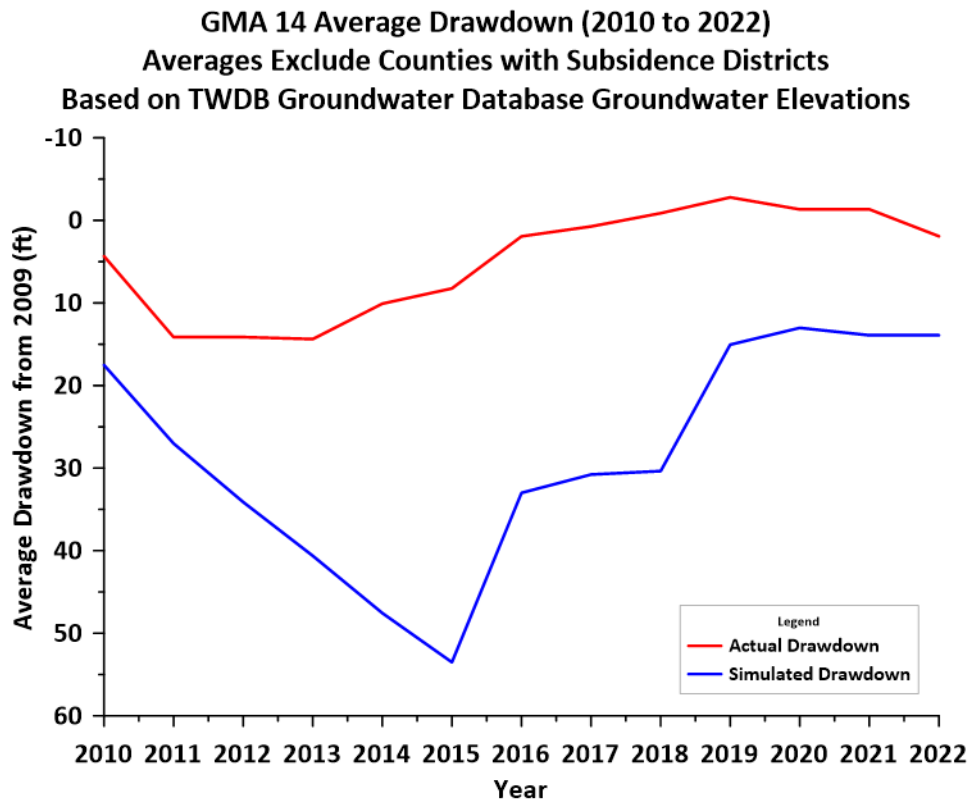


Figure 1. Actual Drawdown vs. Simulated Drawdown

Because most of the points lie below and to the right of the one-to-one line, actual groundwater level conditions are consistent with the DFC. If most of the points were above or to the left of the one-to-one line, that would suggest that actual groundwater level conditions are not consistent with the DFC.

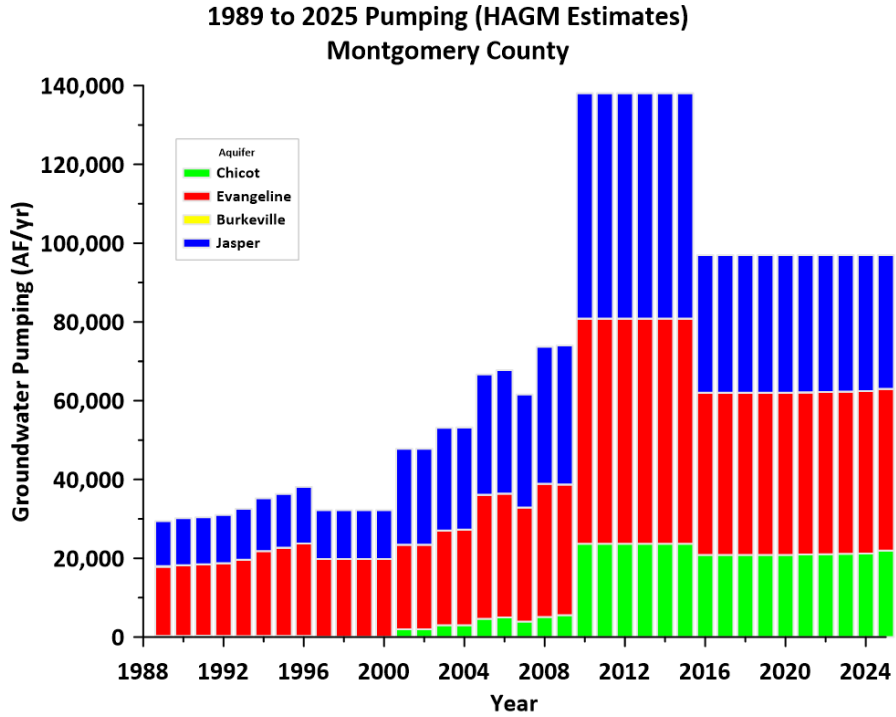
#### 4.1 Results by Year

Figure 2 presents a hydrograph of average actual drawdown for all of GMA 14 and average simulated drawdown for all of GMA 14.



**Figure 2. GMA 14 Average Drawdown by Year (Actual and Simulated)**

Please note that simulated drawdown dropped from 2010 to 2015, then decreased from 2015 to about 2019. Since 2019, the average simulated drawdown remained constant at about 14 feet. This is consistent with the specified pumping of the simulation (i.e. the pumping is not constant from 2010 to 2080). One of the counties with varying pumping that explains the variation in simulated drawdown is Montgomery County (Figure 2), which is discussed in more detail below.



**Figure 3. Simulated Montgomery County Pumping (1989 to 2025)**

#### 4.2 Results by County

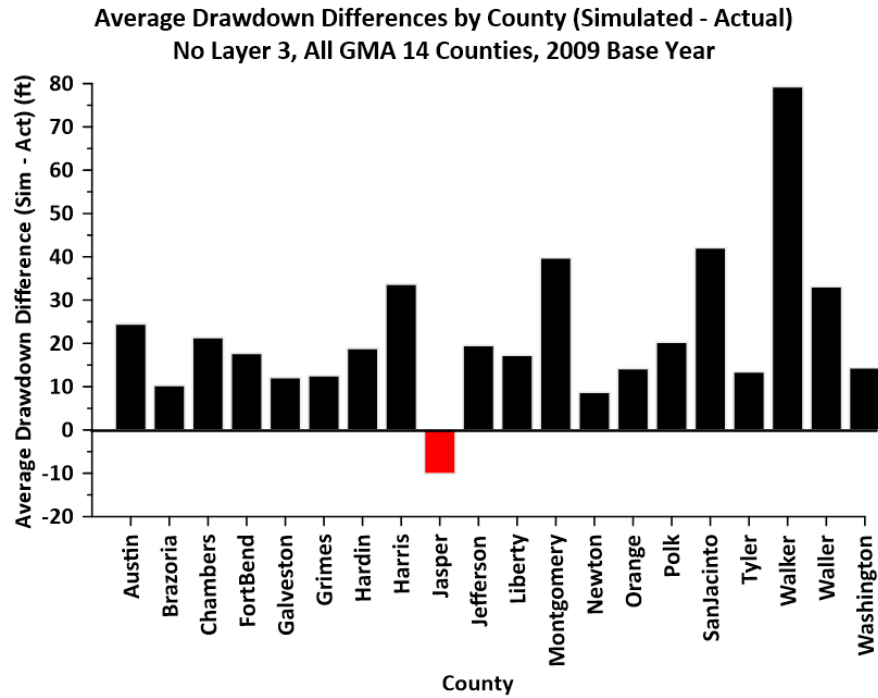
Summaries of average drawdown by county (actual and simulated) are presented in Table 4. The difference between simulated and actual drawdown are also shown in Table 4.

**Table 4. Drawdown Summary for 2010 to 2022 by County**

County	2010 to 2022		
	Average Actual Drawdown (ft)	Average Simulated Drawdown (ft)	Average Simulated minus Actual Drawdown
Austin	1.98	26.50	24.52
Brazoria	-0.70	9.59	10.29
Chambers	-0.26	21.05	21.32
FortBend	-5.28	12.44	17.73
Galveston	0.01	12.12	12.11
Grimes	6.56	19.08	12.52
Hardin	-3.76	15.10	18.85
Harris	-4.88	28.79	33.67
Jasper	0.95	-9.17	-10.12
Jefferson	-1.69	17.82	19.51
Liberty	-1.90	15.36	17.26
Montgomery	12.68	52.42	39.74
Newton	1.22	9.94	8.72
Orange	-1.96	12.19	14.15
Polk	1.47	21.73	20.26
SanJacinto	43.05	85.11	42.06
Tyler	-0.13	13.30	13.42
Walker	10.27	89.57	79.30
Waller	8.36	41.44	33.08
Washington	5.05	19.39	14.34

The results in Table 4 can be used by the groundwater conservation districts in GMA 14 to quantitatively assess how the actual drawdown data compare to the DFC.

Figure 4 graphically presents the difference between actual and simulated drawdowns for each county. Note that all counties have a positive difference (actual drawdown is less than simulated), except Jasper County.



**Figure 4. Average Drawdown Difference by County (All Data Except Layer 3)**

The negative difference in Jasper County (actual drawdown greater than simulated drawdown) is due to two anomalous cells that is the direct result of specifications in simulated pumping during the predictive run (after 2010). This was discussed in detail in Hutchison (2022).

In evaluating the drawdown data, large groundwater level recoveries (over 100 ft) were simulated in the DFC simulation in two cells in the Evangeline Aquifer (row 85, column 188 and row 88, column 186). These appear to be due to the turning pumping off that had been in the calibrated model (before 2010). The actual drawdown in these cells is relatively small. With these outliers removed from the analysis, the average drawdown difference in all counties in GMA 14 is positive (actual drawdown is less than simulated drawdown) as presented in Figure 5.

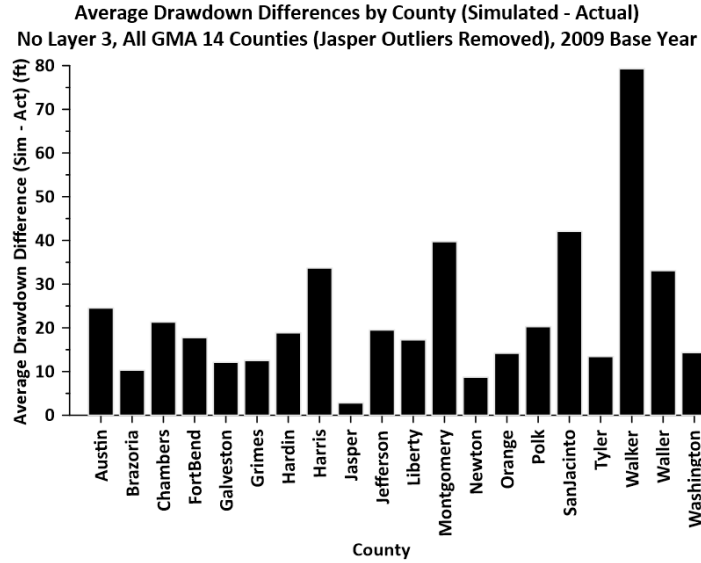


Figure 5. Average Drawdown Difference by County (Jasper Outliers Removed)

### 4.3 Hydrographs of Selected Counties

As a follow-up to Hutchison (2022), hydrographs of average drawdown for Jasper and Montgomery counties are presented in Figures 6 and 7, respectively.

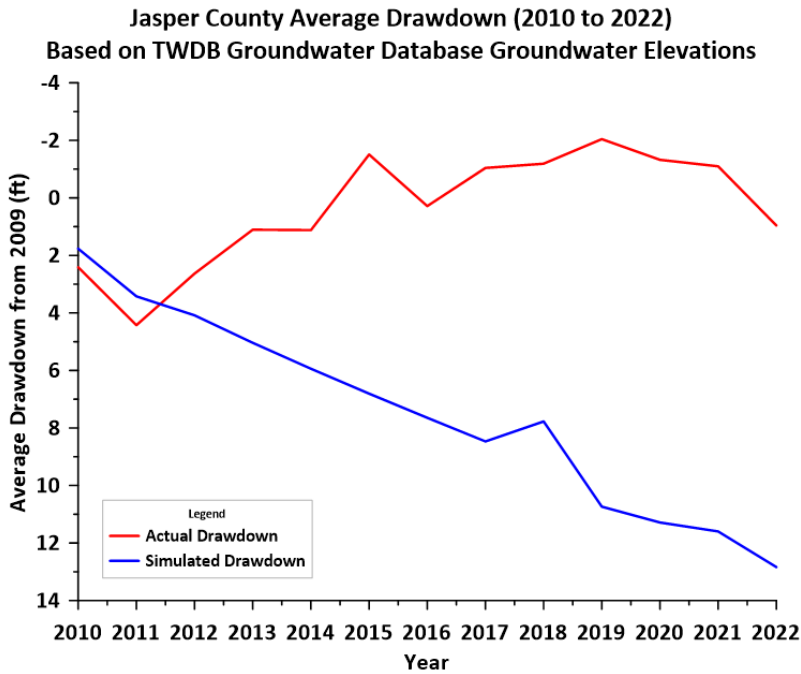
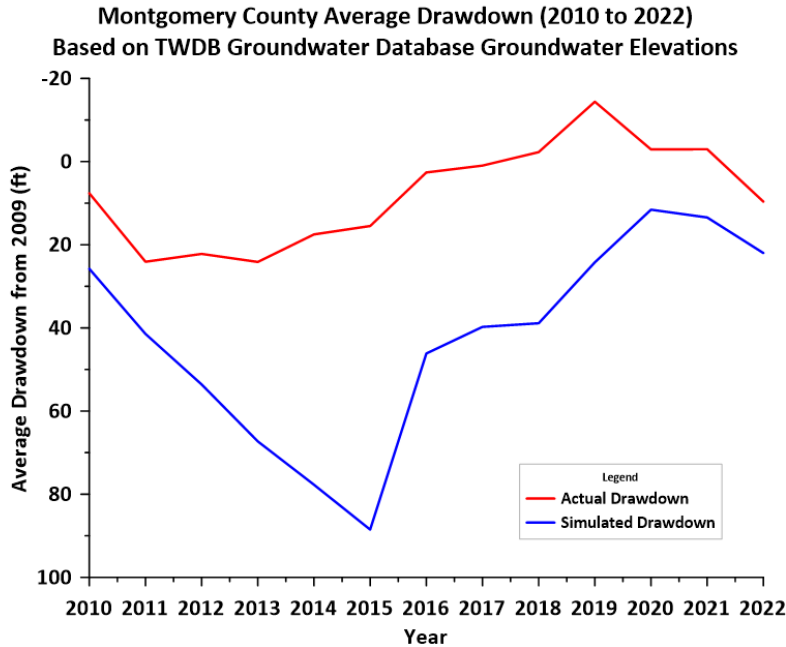
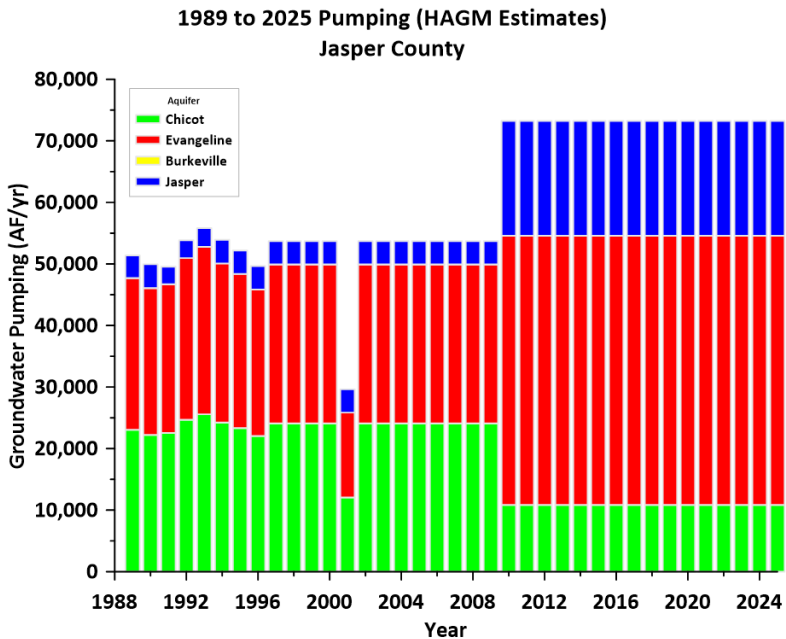


Figure 6. Average Drawdown - Jasper County (2010 to 2022)



**Figure 7. Average Drawdown - Montgomery County (2010 to 2022)**

The hydrograph for Jasper County presented in Figure 6 is constructed without the Jasper County outliers discussed above. Actual drawdown increased initially during the drought of 2011, recovered after 2012, and has been relatively constant since recovery from the drought. Simulated drawdown shows a steady increase due to the simulated pumping increases as discussed in Hutchison (2022) and presented below in Figure 8.



**Figure 8. Simulated Jasper County Pumping (1989 to 2025)**

The Montgomery County average drawdown hydrograph (Figure 7) benefitted from the additional data in 2021 that were not available in Hutchison (2022). Please note that the increase in simulated drawdown from 2010 to 2015 is due to the increase in simulated pumping in Montgomery County previously shown in Figure 3. Similarly, the decrease in simulated drawdown from 2016 to present is due to a decrease in simulated pumping previously shown in Figure 3. However, it appears that the “recovery effect” of the simulated pumping reduction in 2016 is no longer seen after 2020 because the average simulated drawdown is increasing after 2020. This conclusion should be considered tentative because a detailed evaluation was not completed to understand the effect of the reduced number of wells and data points evaluated in recent years relative to earlier years in the analysis (see discussion above related to the number of data points by year). The large drop in available data points to the need for an increase in groundwater monitoring, at least to the levels observed prior to 2019.

Average actual drawdown shows an increase from 2010 to 2013, due to drought conditions (similar to Jasper County) and shows a decrease and recovery from about 2013 to 2019. Average drawdown increases again after 2019. Because average actual drawdown is less than average simulated drawdown, it can be concluded that the data demonstrate general consistency with the DFC.

## **4.0 References**

Hutchison, W.R., 2022. Comparison of Measured and Simulated Drawdowns from the Desired Future Conditions Adopted in 2021 in Groundwater Management Area 14. Draft Report prepared for Bluebonnet Groundwater Conservation District, February 11, 2022, 24p.

Oliver, W., 2021. Documentation of GMA 14 Groundwater Availability Model Runs, Draft Technical Memorandum. Prepared for GMA 14 District Representatives (Appendix R of Draft Explanatory Report). October 4, 2021. 357p.

# APPENDIX "A"

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- SETGCD Well Monitor Newsletter - Fall 2023
- District Permit Holder Email / Mailing List
- District V.I.P. Email / Mailing List
- Drillers – District and Surrounding Counties Mailing List
- Website Posting Evidence - Newsletter Posted to Website on November 7, 2023





# The SETGCD Well Monitor

## 20th Anniversary of the Southeast Texas Groundwater Conservation District

The Southeast Texas Groundwater Conservation District quietly celebrated its 20th anniversary earlier this year. The District was created in 2003 by Senate Bill 1888 during the 78th Regular Legislative Session, was passed by both Houses unanimously, and became official on June 18, 2003.

When originally created, the District was comprised of only Jasper and Newton Counties. The year after it was created, the Hardin County and Tyler County Commissioner’s Courts petitioned the District to include them in the District by way of annexation. The original Board of Directors approved the request and Hardin and Tyler Counties then officially became part of the District after being voted on by the citizens who overwhelmingly approved of joining the District.

The District has been especially blessed with the many volunteers that have given their time on behalf of their communities to serve as Directors. There are 13 Directors, with each county within the District being represented by three Directors who represent various stakeholder groups, and the Presiding Officer is appointed by agreement of all 4 Commissioner’s Courts within the District. The District has several Di-

*(Continued on page 2)*

### Board of Directors:

- Roger Fussell, President
- Olen Bean, Vice President—Newton County
- Bobby Rogers, Sec./Treas. — Hardin County
- Sam Ashworth, Director — Hardin County
- Robb Starr, Director—Hardin County
- Greg Kelley, Director — City of Jasper
- Billy Ted Smith, Director — Jasper County
- Steven Black, Director— Jasper County
- Thomas Hawthorn, Director—Newton County
- Cody Jones, Director—City of Newton
- Charles Zimmerman, Director—Tyler County
- Rick Russler, Director—Tyler County
- Ken Jobe, Director—Tyler County

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

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### Did You Know?

The oceans of the world are a major factor in regulating Earth’s temperature.

It is estimated the Americans drink 1 billion glasses of water each day.

A camel can survive nearly 7 months without drinking water (fun fact—the hump does not hold water).

## **NEW DIRECTOR: STEVEN BLACK (Representing Jasper County)**



Mr. Steven Black was appointed to the Southeast Texas Groundwater Conservation District Board of Directors earlier this year after longtime Director Wendy Turner stepped down. Steven was born in Sulphur, LA, and he is a graduate of McNeese State University where he obtained a B.S. degree in chemical engineering. He has been employed with Meadwestvaco/Westrock since 2006 and was recently promoted to Environmental Manager.

Steven is married to his high school sweetheart Crystal and together they have 4 children. Steven says the kids keep their parents very busy with church, sporting events, and Boy Scouts. He also enjoys being outdoors with the family, playing tennis, bowling, grilling and fixing the things the kids break.

# 20th Anniversasary

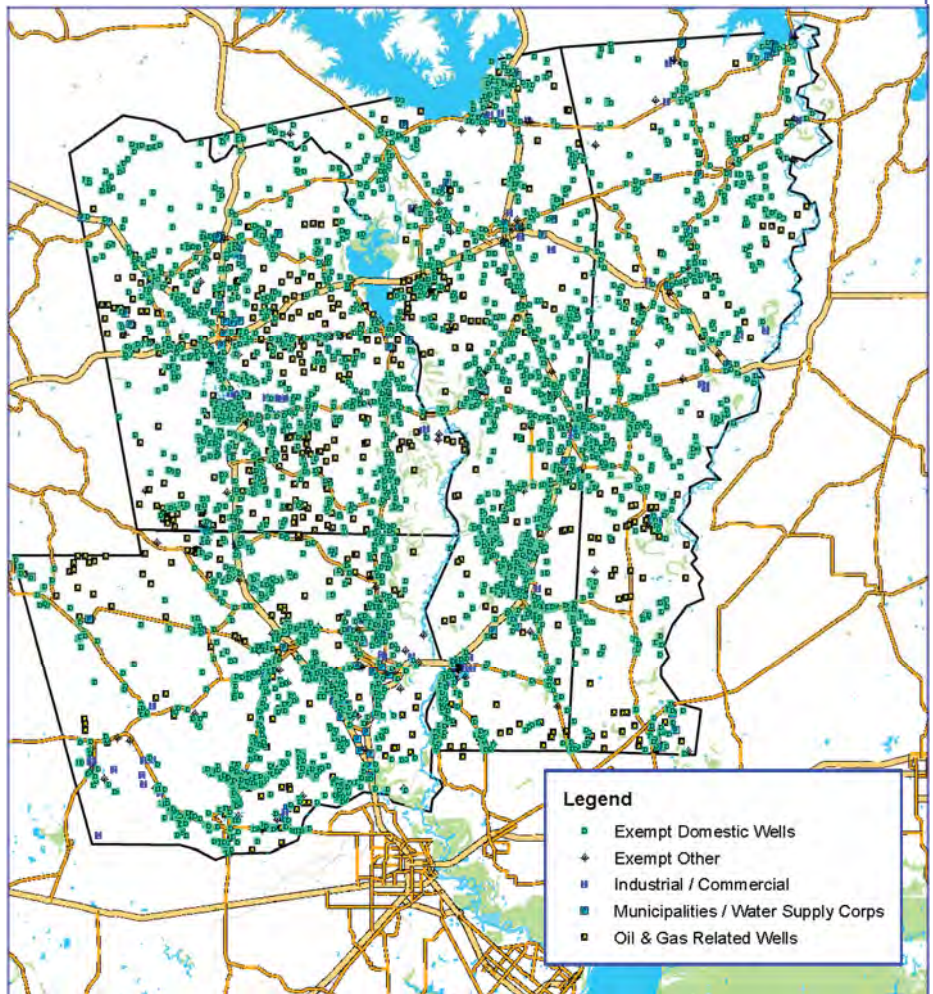
*(Continued from page 1 - District Celebrates 20th Anniversary)*

rectors who have been donating their time and knowledge to the District for over a decade: Roger Fussell (15 years), Bobby Rogers (15 years), Olen Bean (12 years), and Charles Zimmerman (11 years). The Board Members are not compensated in any way and are 100% volunteers. They have even taken action to decline mileage reimbursement (for which they are eligible) for their attendance of the monthly board meetings.

Since the District was created and began keeping records, a staggering number of new wells have been drilled within the District. The District has two main classifications of wells, “Exempt” and “Non-Exempt”. “Exempt” wells, the vast majority of them for domestic use, comprise over 98% of all the new wells drilled. From the time the District began it’s database through October of 2023 the District has had over 6,300 new wells registered (not including temporary wells). The number of new “Non-Exempt” wells, which are commercial wells, is much lower at only 63. Exempt wells that were drilled prior to the formation of the District are not required to be registered and, although the exact number is unknown, it is likely in the 10s of thousands. As for “Non-Exempt” wells that were drilled prior to the District formation, these wells were grandfathered into the District and provided Operating Permits based on their capabilities at the time of permitting. The District currently has 233 active “Non-Exempt” wells producing water for various commercial endeavors such as public water supplies and industrial use. These wells are the District’s main source of revenue (most groundwater conservation districts are property tax based—ours is fee based) and for every 1,000 gallons pumped 1 cent is collected.

In addition to the numerous activities in which the District is involved, it has also taken a leadership role in both of the regional water planning bodies. The District’s General Manager, John Martin, serves as Chairman for both Groundwater Management Area 14 and the Region I Water Planning Group.

As the District moves forward, tracking the development of new wells and staying involved in the regional water planning processes will help to ensure the Gulf Coast Aquifer is available for generations to come.

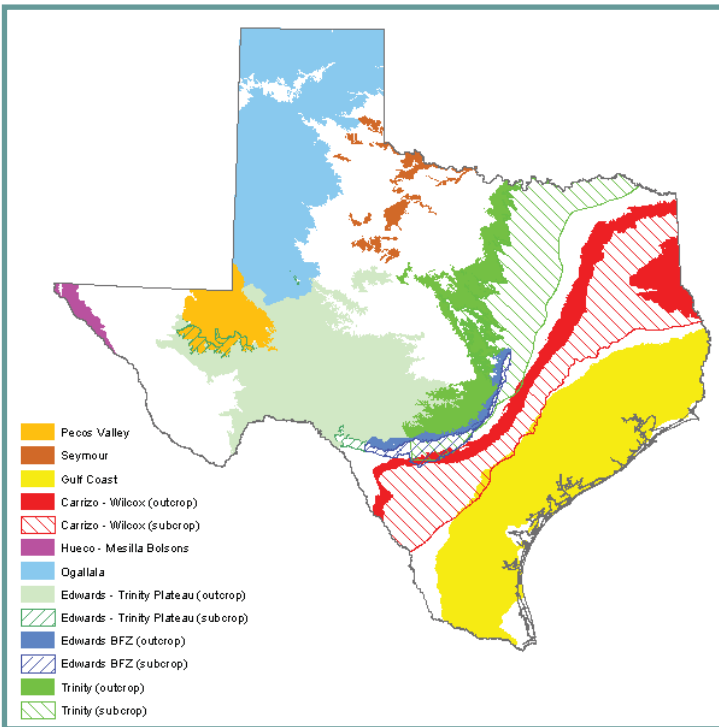


District Database Map—Wells Registered Since 2003

# The Gulf Coast Aquifer

Texas has numerous aquifers throughout the state. The Gulf Coast Aquifer is our main source of groundwater. As you can see from the map (left) there are eight major aquifers in Texas. Texas also has nearly 20 minor aquifers, and a new one yet to be fully understood, called the Maverick Basin Aquifer. The Maverick is very unique in that fresh water is usually shallower, but in the Maverick the freshwater is believed to be located between 5,000 and 8,000 feet deep.

The Gulf Coast Aquifer (shown in yellow), is known nationally as the Coastal Lowlands Aquifer System and stretches from the Texas/Mexico border into the Panhandle of Florida.



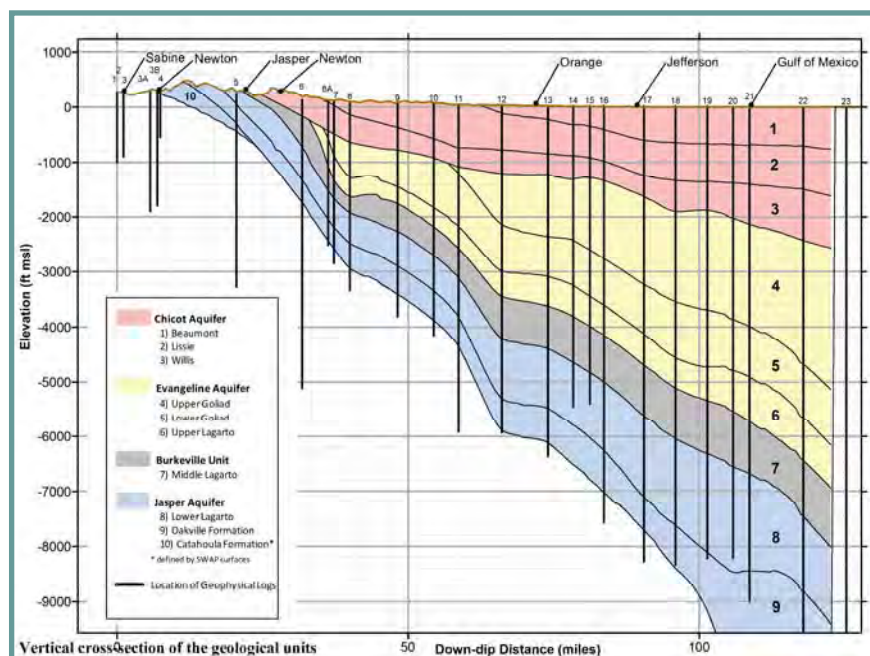
Water quality varies in the Gulf Coast Aquifer with depth and locality (see cross section map below for depth and thickness). The quality is generally good in the central and northeastern parts of the aquifer where total dissolved solids concentrations are less than 500 milligrams per liter, but is more saline to the south where total dissolved solids are typically 1,000 to more than 10,000 milligrams per liter and where the productivity of the aquifer decreases. Areas of increased salinity along the central and eastern Gulf Coast may be associated with saltwater intrusion in response to groundwater pumping or to brine migration in response to oil field operations and natural flows from salt domes intruding into the aquifer.

The aquifer is used for municipal, industrial, steam electric generation, and irrigation purposes. In Harris, Galveston, Fort Bend, and Wharton counties, water level declines of as much as 350 feet have led to land surface subsidence.

(Source information from TWDB)

## AQUIFER FACTS

- Aquifer Type: confined and unconfined
- Area of Aquifer: 41,970 Square Miles
- Number of Texas Counties containing the aquifer: 56
- Consists of 3 main layers/aquifer: The Chicot Aquifer, the Evangeline Aquifer, and the Jasper Aquifer
- Freshwater saturated thickness averages approximately 1,000 feet

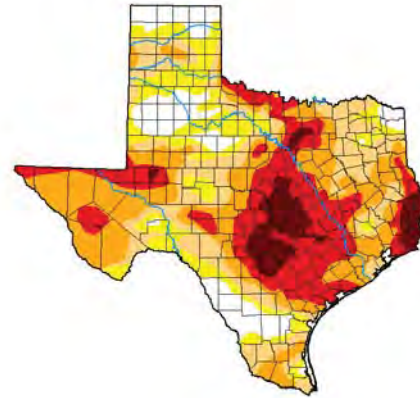


# DROUGHT CONDITIONS

As you can see from the October 17, 2023 U.S. Drought Monitor, Texas map (right), much of the state (including our District) is currently experiencing extreme to exceptional drought conditions. These conditions have begun to alleviate some, but only slightly, since the high pressure that sat on top of Texas all summer moved off.

The October 19, 2023 Year to Date Observed Precipitation Map (below) indicates that the majority of the District has

U.S. Drought Monitor  
Texas



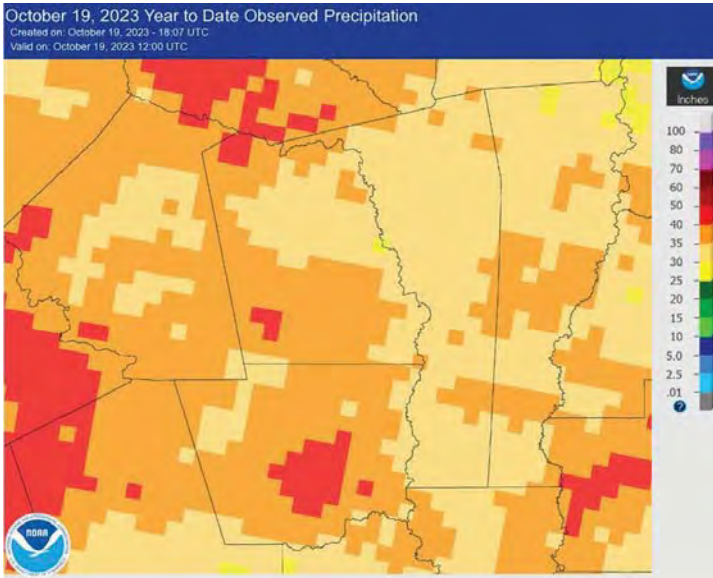
October 17, 2023  
(Released Thursday, Oct. 19, 2023)  
Valid 8 a.m. EDT

**Intensity:**  
 None  
 D0 Abnormally Dry  
 D1 Moderate Drought  
 D2 Severe Drought  
 D3 Extreme Drought  
 D4 Exceptional Drought

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

**Author:**  
Rocky Blotta  
NCEI/NOAA

USDA, NRCS, NCEI/NOAA, droughtmonitor.unl.edu

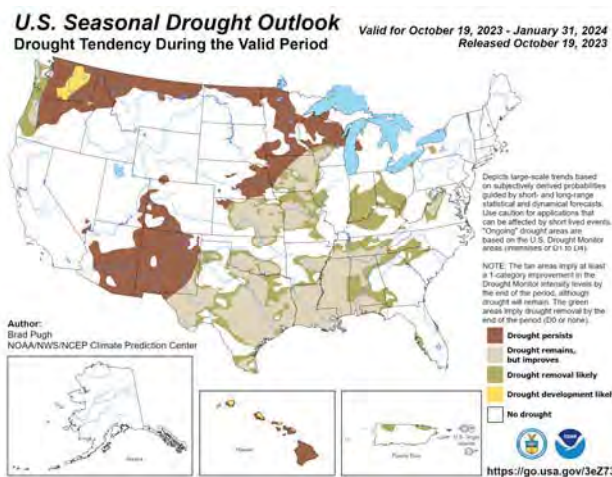
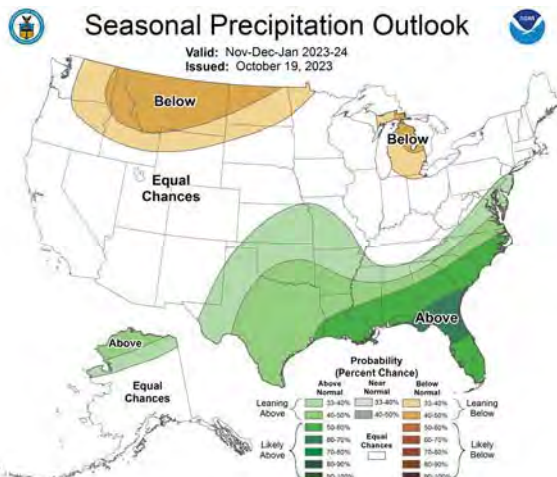


only received between 30 to 40 inches of rain this year (orange and cream colored areas), with a small area receiving between 40 to 50 inches of rainfall. The average rainfall for the District is between approximately 52 and 54 inches each year.

## U.S. SEASONAL DROUGHT OUTLOOK

The U.S. Seasonal Drought Outlook (below, right), valid October 19, 2023—January 31, 2024, indicates

that drought conditions remain within the District, however, they are expected to improve over the next several months. The predicted improved conditions are backed up by the October 19, 2023 90-day Precipitation Probability map (below, left) which indicates that we are likely to have a period of above average chances of precipitation ahead of us. With El Nino expected to be in place for the next several months, our winter temperatures are expected to be near normal, but due to many other weather factors it is unclear as to how much the drought conditions will improve.



# CONSERVATION CORNER

## Plan Ahead: Conserve Water—Reduce Summertime Waste

### Will the drought continue into next year—if so, be prepared!

Springtime is quite a ways off, but it's never too early to start planning ahead with regard to our lawncare and landscaping. 2023 has proven to be a very dry summer, and if you are like me, you have large brown areas where grass used to grow and maybe even some bushes or trees that didn't survive the summer. Looking toward next spring, we can start thinking about how to better manage our yards by reducing the waste of water, and using our water more efficiently by replacing plants that may have died with drought resistant species. As we have all seen how dry it can be, and all of the impacts of drought conditions such as the increase in wildfires, now is a good time to start thinking about how to conserve water so you are ready next spring, especially if the drought conditions continue.

On average, over 55% of the water we use at home is used outside. With the start of spring we begin watering our gardens and lawns, we spend more time washing vehicles and boats, and as summer arrives we fill our pools. All of these activities can use large amounts of water.

When it comes to watering the plants in your yard there are several simple ways to reduce your water consumption. The use of mulch in the garden and in flowerbeds will reduce the rate of evaporation as well as suppress the growth of competing weeds. Mulch combined with the use of drip hoses will provide your plants with the water they need much more effectively than sprinklers, with minimal waste of the water. If you are watering with a sprinkler and do not have an automatic watering system, set a timer so that you don't forget to turn the water off after a selected amount of time. When it comes to watering your lawn, by allowing the grass to grow a little longer it will require less water. Taller grass enhances root development and also shades the root zone. When you do water, be sure to do so in the evening or early morning to minimize the evaporation of the water you just applied. Also, be sure that you water long enough for the water to soak down to the roots of your plants.

When landscaping new areas of your yard or replacing plants that may not have survived the 2023 summer, plan before planting! Consider wildscaping or xeriscaping. Wildscaping is meant to regenerate the native species of plants (and animals), which will require little to no aftercare. Not only will they not require much attention, the new area will also be

attractive to local wildlife. Texas Parks and Wildlife has a website with lots of good information on wildscaping at: [https://tpwd.texas.gov/huntwild/wild/wildlife\\_diversity/wildscapes/](https://tpwd.texas.gov/huntwild/wild/wildlife_diversity/wildscapes/)

Xeriscaping (pronounced "zeer-i-scapeing"), not to be confused with zeroscaping which utilizes lots of stone, gravel and concrete, is another way to landscape in a manner that reduces or eliminates the need for watering. This is accomplished by using plants that are compatible with the local climate. The main difference between wildscaping and xeriscaping is that the plants used in xeriscaping are not necessarily native and, therefore, will not necessarily enhance habitat for local wildlife.

Other ways to conserve water outdoors and reduce waste are:

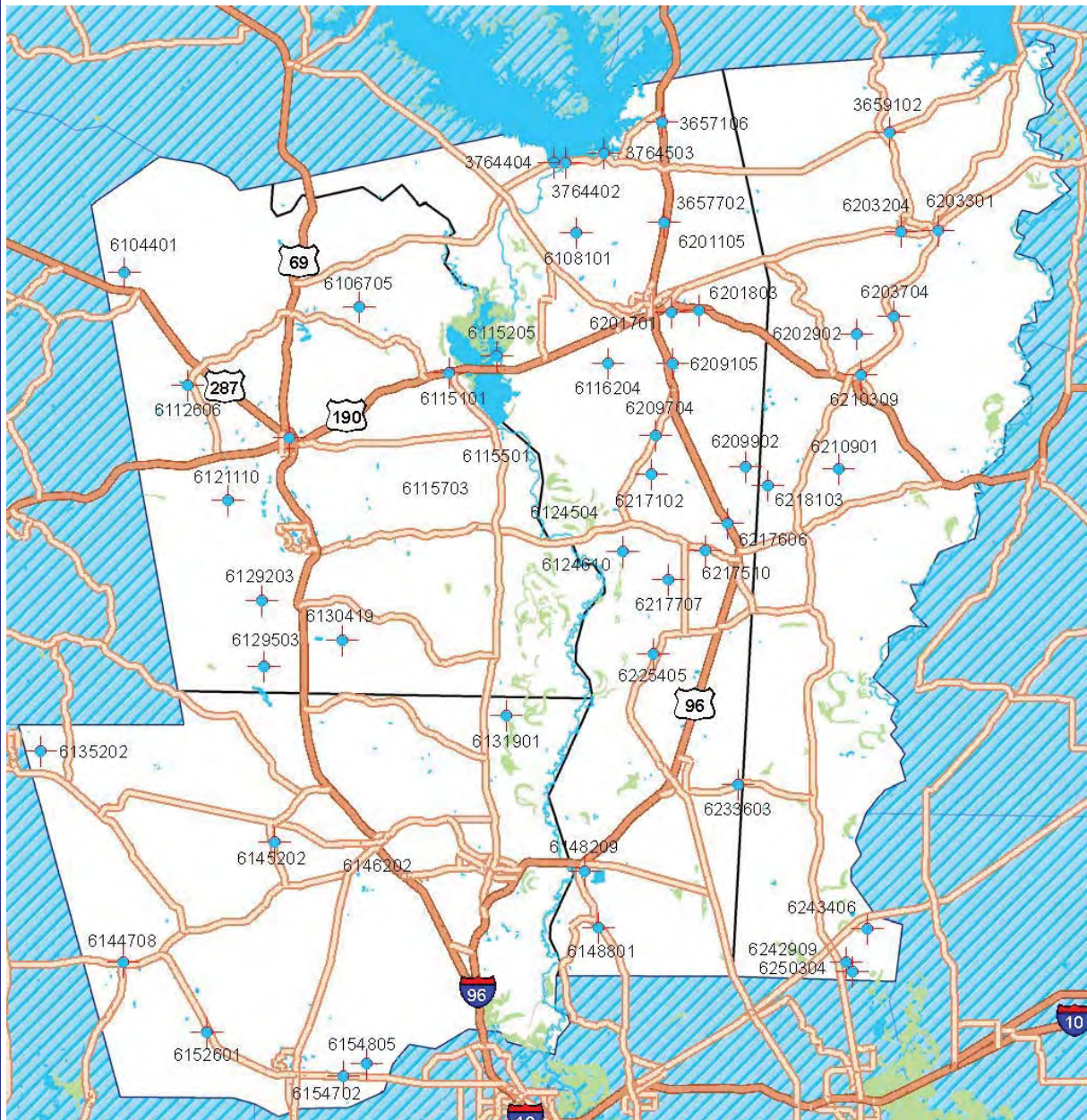
- Sweep driveways and walkways, don't use the hose;
- Be sure to have a shut off nozzle on the hose when you wash your vehicles so as not to leave the water flowing when not needed;
- If possible, use rain collection barrels to supply water for your flowers and garden;
- Clean gutters and downspouts by hand rather than using a hose;
- Cover swimming pools to reduce evaporation (this can save you thousands of gallons a year);
- Be sure to regularly check all outdoor plumbing regularly for leaks.

And remember, water conservation isn't something you should think about only in times of drought. The less water we waste today will help ensure that we have enough water tomorrow.



*Consider Frog-Fruit as a native replacement for groundcover. In addition to looking good, it is fast growing in full sun, is a pollinator magnet, can handle foot traffic and poor soil, as well as a variety of moisture conditions.*

## Static Water Level Observation Well Locations & State ID



**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 a well is not being pumped. This is sometimes called the resting water level. For example, a static water level reading of  $-25$  feet means that the distance from the ground down to the water table is 25 feet.

In the data on the following page, I have included a column indicating the amount of static water level change from the previous year. If the number is positive, it means that the water level has dropped in that particular well. If the change is a negative number, as most of them are, it means that the water level is higher than the previous year. Typically, large drops or rises are indicative of shallow wells that are susceptible and reactive to wet and dry periods. Conversely, deep wells are very stable and often show little change in static water level even after long periods of drought or periods of excessive precipitation.

## STATIC WATER LEVEL READINGS

State Well ID	County	Date Drilled	Well Depth	Early W.L. Reading /		Spring 2022	Spring 2023	1 year change	
				Year of W.L.	May_2009				
6131901	Hardin	1940	53	-38.79	1942	-25.35	-33.86	-34.50	-0.64
6135202	Hardin	2003	363	-64	2003		-57.52	-56.3	1.22
6144708	Hardin	1957	72	-24.12	1942	-24.21	-24.90	-25.40	-0.50
6145202	Hardin	2009	220	-12	2009		-7.20	-7.95	-0.75
6152601	Hardin	1948	764	-21	1948	-29.67	-22.59	-23.84	-1.25
6154702	Hardin	1951	1027	-23.94	1966	-25.2	-27.68	-27.22	0.46
6154805	Hardin	1998	618	-60	1998		-27.98	-28.97	-0.99
3657106	Jasper	1938	20	-8.7	1997	-4.69	-7.87	-4.70	3.17
3657702	Jasper	1994	378	-117.7	1997	-117.61	-115.40	-116.02	-0.62
3764402	Jasper	1962	300	-114.3	-114	-113.27	-110.16	-109.07	1.09
3764404	Jasper	1982	260	-66	1982	-46.83	-46.90	-44.82	2.08
3764503	Jasper	1981	260	-33.2	1997	-32.33	-30.94	-31.59	-0.65
6115205	Jasper	1984	442	39.96	1984	28.18	39.51	39.51	0.00
6116204	Jasper	1965	220	-51.7	1997	-51.61	-51.25	-50.95	0.30
6124610	Jasper	1998	200	-33.16	2008	-30.59	-31.48	-31.84	-0.36
6148209	Jasper	1947	1295	-66.79	1956	-177.09	-205.63	-199.98	5.65
6148221	Jasper	pre 1956	671	-22.47	1956	-28.92	-29.47	-28.50	0.97
6148801	Jasper	1903	1084	-6.85	1960	-5.38	-6.95	-7.90	-0.95
6201803	Jasper	1995	884	-85.1	1997	-85.54	-83.63	-82.85	0.78
6209105	Jasper	1967	15	-4.15	1997	-1.38	-3.08	-1.88	1.20
6209704	Jasper	1952	40	-35.84	1997	-34.4	-37.25	-36.40	0.85
6209902	Jasper	pre 1997	40	22.8	1997	-16.13	-24.10	-18.98	5.12
6217102	Jasper	1950	80	-54.85	1997	-80.00	-80.00	-80.00	0.00
6217510	Jasper	pre 1997	140	-15.9	1997	-14.7	-15.11	-15.23	-0.12
6217606	Jasper	1964	70	-7.8	1997	-1.09	-2.00	-2.25	-0.25
6225405	Jasper	1983	120	-58	1997	-57.5	-55.38	-56.60	-1.22
6233603	Jasper	1940	18	-14.7	1997	-10.92	-11.47	-10.50	0.97
3659102	Newton	2000	170	-98.76	2009		-87.77	-93.09	-5.32
6202902	Newton	pre 1999	24	-13.03	1999	-11.65	-10.25	-7.86	2.39
6203204	Newton	1979	645	-65.4	1994	-68.15	-65.52	-66.40	-0.88
6203301	Newton	1964	1050	-38.75	1992	-45.42	-36.47	-36.53	-0.06
6203704	Newton	1989	640	-169	1989	-172.78	-171.15	-171.68	-0.53
6210309	Newton	1964	1218	-61.38	1993	-65.93	-62.58	-63.25	-0.67
6210901	Newton	1951	300	-13.68	1964	-16.48	-16.10	-16.22	-0.12
6218103	Newton	1980	208	-32.3	1992	-33.99	-36.00	-34.65	1.35
6242909	Newton	1981	590	-39.15	1992	-36.03	-35.08	-36.80	-1.72
6243406	Newton	1981	598	-30	1981	-26.29	-24.76	-25.18	-0.42
6250304	Newton	1983	420	-40	1989	-35.58	-35.89	-36.65	-0.76
6104401	Tyler	1935	860	-169.39	1960	-168.71	-164.87	-164.37	0.50
6106705	Tyler	1984	288	-145	1984		-147.20	-148.02	-0.82
6112606	Tyler	1960	250	-121.64	1964		-123.00	-123.28	-0.28
6113802	Tyler	1951	582	-155	1953	-174.13	-163.66	-163.25	0.41
6115101	Tyler	1964	68	-31.66	1964	-33.09	-32.85	-32.62	0.23
6129203	Tyler	pre 1953	30	-22.73	1953	-15.38	-19.33	-15.25	4.08
6129503	Tyler	2008	250	-20	2008		-20.25	-19.33	0.92
6130419	Tyler	pre 1965	22	-13.01	1965	-3.62	-7.65	-4.02	3.63
6129804	Tyler		580				-27.23	-26.73	0.50

## Water Facts

- ◆ Approximately 2/3 of the water used in the home is used in the bathroom.
- ◆ It is estimated that less than 1% of the water treated by public water suppliers is used for drinking or cooking.
- ◆ It is estimated that the amount of water used to create the electricity used in the average household is approximately 250 gallons each day.
- ◆ Conservation and water management strategies are working. It is estimated that between 1985 and 2000 the amount of water used by industry decreased by 24%.
- ◆ It is estimated that it takes 2.5 billion gallons of water per day to irrigate the world's golf courses.
- ◆ Texas has been dry in 2023 but Nevada is the driest state in the nation getting only an average of 7 inches of rain each year.

## CALENDAR OF EVENTS

November 9, 2023	SETGCD—Regular meeting of the Board
November 10, 2023	Veterans Day—District office closed
November 23 & 24, 2023	Thanksgiving Break—District office closed
December 2023	SETGCD — Board Holiday, No Regular Meeting
December 25—29, 2023	Christmas Break—District office closed
January 1, 2024	New Years Day—District office closed
January 11, 2024	SETGCD—Regular meeting of the Board
January 15, 2024	Martin Luther King Jr. Day— District office closed
February 8, 2024	SETGCD—Regular meeting of the Board
February 19, 2024	Presidents Day—District office closed
March 7, 2024	SETGCD—Regular meeting of the Board
March 29, 2024	Good Friday—District office closed
April 11, 2024	SETGCD—Regular meeting of the Board

*“We think of our land and water and human resources not as static and sterile possessions but as life giving assets to be directed by wise provisions for future days” - Franklin D. Roosevelt*

Southeast Texas Groundwater  
Conservation District

P.O. Box 1407  
Jasper, TX 75951

Phone: (409) 383-1577  
E-mail: [jmartin@setgcd.org](mailto:jmartin@setgcd.org)

PLEASE  
PLACE  
STAMP  
HERE

«Mr#/Mrs/Ms#» «First» «Last»  
«Water System»  
«Street»  
«City», «State» «ZIP»



District Permit Holders  
 Fall 2023 Newsletter - Emailed 11/6/2023 - Mailed 11/13/2023

Water System	Street	City	Contact First	Contact Last	Email Address
A-Bar Properties, LLC		Willis	Martin	Arriola	<a href="#">_____</a>
Angelina and Neches River Authority		Lufkin	Chris	Key	<a href="#">_____</a>
Artesian Springs		Newton	Brian	Carroll	<a href="#">_____</a>
Batson Lumber Co.		Batson	Ryan	Leloux	
Blue Topaz Utilities		Conroe	Deanna	Degeyter	<a href="#">_____</a>
Bon Wier W.S.C.		Bon Wier	Jim	DuBose	
Brookeland Fresh Water Supply District		Jasper	Joshua	Culbert	<a href="#">_____</a>
Buck Springs Bottled Water Co.		Jasper	Todd	Shellhammer	<a href="#">_____</a>
Bullock's Mobile Home Park		Silsbee	Kevin	Wilson	
Buna ISD		Buna	Tiffany	Spicer	<a href="#">_____</a>
Burkeville W.S.C.		Burkeville	Pat	Gooch	<a href="#">_____</a>
Cartwright Springs, LTD		Terrell	Robert	Rodgers	<a href="#">_____</a>
Chester W.S.C.		Chester	Dale	Clamon	<a href="#">_____</a>
City of Beaumont		Beaumont	Troy	Pierce	<a href="#">_____</a>
City of Browndell		Brookeland	Tyncie	Brooks	<a href="#">_____</a>
City of Colmesneil		Colmesneil	Keith	Barnes	<a href="#">_____</a>
City of Jasper		Jasper	Eric	Rogers	<a href="#">_____</a>
City of Kirbyville		Kirbyville	Robert	Byerly	<a href="#">_____</a>
City of Kountze		Kountze	Tim	Drake	<a href="#">_____</a>
City of Newton		Newton	Donnie	Meek	<a href="#">_____</a>
City of Silsbee		Silsbee	Russell	Hutto	<a href="#">_____</a>
City of Sour Lake		Sour Lake	Joey	Keel	<a href="#">_____</a>
City of Woodville		Woodville	Charles	Odom	<a href="#">_____</a>
Cooper, William - Windmill Estates		Colmesneil	Marci	Cooper	<a href="#">_____</a>
Cougar Country W.S.C		Buna	Edna	Humble	<a href="#">_____</a>
Crown Pine Timber 1, L.P.		Jasper	Tim	Tindell	<a href="#">_____</a>
Cypress Creek W.S.C.		Woodville	Elmer	May	<a href="#">_____</a>
Doucette Water System		Colmesneil	Thomas & Danasa	Rawls	<a href="#">_____</a>
East Texas Electric Cooperative, Inc		Nacogdoches	Edd	Hargett	
Entergy Texas, Inc. - f/k/a East Texas Electric Coop		The Woodlands	Tory	Theriot	<a href="#">_____</a>
Energy Transfer - ETC		Brookeland	Todd	McGown	<a href="#">_____</a>
Evadale W.C. & I.D. #1		Evadale	Kenny	Gibson	<a href="#">_____</a>
ExxonMobil Oil Corporation		Houston	Carl/Ryan	Cox/Magruder	<a href="#">_____</a>
Hardin County W.C. & I.D. #1		Sour Lake	Wayne	Turk	<a href="#">_____</a>
Harrisburg WSC		Jasper	John	Cole	
Harrisburg WSC		Jasper	Joshua	Culbert	<a href="#">_____</a>
H & H Timber Comapany, LLC		Jasper	Ronald / Donna	Hughes / Meek	<a href="#">_____</a>
Holly-Huff W.S.C.		Jasper	Joshua	Culbert	<a href="#">_____</a>

District Permit Holders  
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Andrew and Idania Cure (fka Hydro Farms, Inc.)	Sour Lake	Andrew and Idania	Cure	<a href="#">_____</a>
Jamestown W.S.C.	Jasper	Joshua	Culbert	<a href="#">_____</a>
Jasper County W.C. & I.D. #1	Buna	Henry	Ogden	<a href="#">_____</a>
JBD Burkeville, LLC (fka Runyan Rock)	Orange	Danny	Brian	<a href="#">_____</a>
Lake Livingston W.S. & S.S.	Livingston	Scott	Saxe	<a href="#">_____</a>
Lakeside Water System	Colmesneil	Thomas & Danasa	Rawls	<a href="#">_____</a>
Leoffler Springs, Inc.	Kirbyville	Linda	Taylor	<a href="#">_____</a>
Little Big Horn Services	Silsbee	Dolores	Luke	<a href="#">_____</a>
Little Hawks Early Childhood Center, Inc.	Sour Lake	Christie	Gieseke	<a href="#">_____</a>
Louisiana-Pacific Corp	Jasper	Kevin	Honeycutt	<a href="#">_____</a>
Lumberton M.U.D.	Lumberton	Robb	Starr	<a href="#">_____</a>
Mauriceville M.U.D.	Orange	Brad	Haeggquist	<a href="#">_____</a>
MeadWestvaco	Silsbee	Steven	Black	<a href="#">_____</a>
Merziere, James - Village Mills RV Park	Neederland	James	Merziere	<a href="#">_____</a>
Monach Utilities		Tim	Williford	<a href="#">_____</a>
Ghost Road, LLC (fka Murphy Energy Services)	Saratoga	Diane	Murphy	<a href="#">_____</a>
North Hardin W.S.C.	Silsbee	Bobby	Rogers	<a href="#">_____</a>
Net-Mar, LLC	Jasper	Hugh	Hamilton	<a href="#">_____</a>
Silsbee Holdings - dba Pine Meadow M.H.P.	Rolling Hills Estate	David	Asemanfar	<a href="#">_____</a>
Manfield Properties (Quail Valley Estates)	Silsbee	Charles	Adams, Jr.	<a href="#">_____</a>
See City of Kountze - Ranchland POA	Kountze	Sandy	Elms	<a href="#">_____</a>
Rayburn Country M.U.D.	Sam Rayburn	Charles	Manicom	<a href="#">_____</a>
Rural W.S.C.	Jasper	Jimmy	Hensarling	<a href="#">_____</a>
Seneca W.S.C.	Woodville	James	MacGinnis	<a href="#">_____</a>
Southern Forest Products	Bon Wier	Vicki	Hall	<a href="#">_____</a>
South Hampton Resources, Inc.	Silsbee	Patrick	Sayles	<a href="#">_____</a>
South Jasper County W.S.C.	Buna	Gaylon	Chesser	<a href="#">_____</a>
South Kirbyville Rural W.S.C.	Call	Shane	Mitchell	<a href="#">_____</a>
South Newton W.S.C.	Deweyville	Brandy	Lane	<a href="#">_____</a>
South Sabine W.S.C.	Hemphill	R.J.	Wells	<a href="#">_____</a>
Tall Timbers W.S.C.	Burkeville	Jim	Hebert	<a href="#">_____</a>
Georgia-Pacific WF & S, LLC	Diboll	Patrick	Miller	<a href="#">_____</a>
Terry Johnson	Silsbee	Terry	Johnson	<a href="#">_____</a>
Texas Electric Cooperative, Inc.	Jasper	Billy	Caldwell	<a href="#">_____</a>
One Floral Group - Timberline	Hillister	Jill	Dinger	<a href="#">_____</a>
Timberline Opportunity Fund	Tyler	Chris	Boone	<a href="#">_____</a>
Transcontinental Gas Pipe Line, LLC.	Sour Lake	Brandon	Clayton	<a href="#">_____</a>
Tyler County S.U.D.	Spurger	Jerry	Lovelady	<a href="#">_____</a>
UFP Retail, LLC (Universal Forest Products)	Silsbee	Michael	Newsom	<a href="#">_____</a>
See Timberline Opportunity - Umphrey Land & Cat	Hillister	Sidney/Jill	Allison/Dinger	<a href="#">_____</a>
Undine Texas, LLC (formerly Pure Utility wells)	Cypress	Sarah	Carlock	<a href="#">_____</a>

District Permit Holders  
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Undine Texas, LLC (formerly Pure Utility wells)			Eric	Martin	<a href="#">_____</a>
Upper Jasper County Water Authority		Jasper	Shelley	Vaught	<a href="#">_____</a>
Village Mills Creek Property, LLC		Tomball	Rahim	Maknojia	<a href="#">_____</a>
Warren W.S.C.		Warren	Heather	Brown	<a href="#">_____</a>
Wapiti Energy, LLC		Houston	Charles	Nye	
West Hardin W.S.C.		Saratoga	Robert	Ryan	<a href="#">_____</a>
Westview Investments, Inc.			Nizarali	Momin	<a href="#">_____</a>
Westwood W.S.C.		Jasper	Becky	West	<a href="#">_____</a>
Wildwood Property Owners Assoc.		Village Mills	Carla	McKee	<a href="#">_____</a>
Woodville Hardwoods		Woodville	Cody	Anthony	<a href="#">_____</a>
Woodville Pellets, LLC		Woodville	Kristina	Nielson	<a href="#">_____</a>
John Martin		Jasper	John	Martin	<a href="#">_____</a>
The Woods Mobile Home Park		Jasper	Stephen	McClure	
Slash C. Sawmill		Jasper	Carroll	Brian	
Pure Utilities, L.C. / See Undine Texas		Livingston	Stonewall	Jackson	
Paradise Entertainment, Inc.		Lumberton	Jack	Mossburg	
Plains Exploration and Production, Co. Mike Bruce			Jerome	Meaux	
Steve Simpson		Brookeland	Steve	Simpson	
Milestone Environmenta Services		Houston	Chris	Carroll	
Runyan Rock / See JBD Burkeville LLC		Newton	Bric	Barrow	
IESI Corporation		Kountze	Chancie	Bailey	
East Newton W.S.C.		Newton	Michael	Horn	

Highlighted entities are former permit holders

District V.I.P.s  
Fall 2023 Newsletter - Emailed-Mailed 11/9/2023

	B	C	F	G	H	J	K	L	M
1	First Name	Last Name	Position	Entity	Address 1	City	State	Zip	Email
2	Anderson	Land	Mayor	City of Jasper	465 South Main	Jasper	TX	75951	
3	Ronald	Sample	Council Member	City of Jasper	465 South Main	Jasper	TX	75951	
4	Marcus	Barber	Council Member	City of Jasper	465 South Main	Jasper	TX	75951	
5	DeMarcus	Holmes	Council Member	City of Jasper	465 South Main	Jasper	TX	75951	
6	David	Shultz	Council Member	City of Jasper	465 South Main	Jasper	TX	75951	
7	Rashad	Lewis	Council Member	City of Jasper	465 South Main	Jasper	TX	75951	
8	Fred	Williams	Mayor	City of Kountze	P.O. Box 188	Kountze	TX	77625	
9	Glenn	Matthews	Mayor Pro-Tem	City of Kountze	P.O. Box 188	Kountze	TX	77625	
10	Andrea	Cutwright	Alderwoman	City of Kountze	P.O. Box 188	Kountze	TX	77625	
11	Jack	Darden	Alderman	City of Kountze	P.O. Box 188	Kountze	TX	77625	
12	James	Shirley	Alderman	City of Kountze	P.O. Box 188	Kountze	TX	77625	
13	Barbara	Greer	Alderwoman	City of Kountze	P.O. Box 188	Kountze	TX	77625	
14	Tim	Drake	City Administrator	City of Kountze	P.O. Box 188	Kountze	TX	77625	
15	Josh	Marble	Public Works Director	City of Kountze	P.O. Box 188	Kountze	TX	77625	
16	Don	Surratt	Mayor	City of Lumberton	836 N. Main	Lumberton	TX	77657	
17	Lynette	Barks	Councilman	City of Lumberton	836 N. Main	Lumberton	TX	77657	
18	Kenneth	Wahl	Councilman	City of Lumberton	836 N. Main	Lumberton	TX	77657	
19	Kimberly	Cline	Councilman	City of Lumberton	836 N. Main	Lumberton	TX	77657	
20	David	Maniscalco	Mayor Pro-Tem	City of Lumberton	836 N. Main	Lumberton	TX	77657	
21	Ken	Burkhalter	Councilman	City of Lumberton	836 N. Main	Lumberton	TX	77657	
22	Dan	Bell	Councilman	City of Lumberton	836 N. Main	Lumberton	TX	77657	
23	Steve	Clark	City Manager	City of Lumberton	836 N. Main	Lumberton	TX	77657	
24	Mark	Whiteley	City Engineer	City of Lumberton	836 N. Main	Lumberton	TX	77657	
25	Joe	Blacksher	Commissioner Pct #1	Tyler County Commis	100 W. Bluff	Woodville	TX	75979	
26	Doug	Hughes	Commissioner Pct #2	Tyler County Commis	100 W. Bluff	Woodville	TX	75979	
27	Mike	Marshall	Commissioner Pct #3	Tyler County Commis	100 W. Bluff	Woodville	TX	75979	
28	Buck	Hudson	Commissioner Pct #4	Tyler County Commis	100 W. Bluff	Woodville	TX	75979	
29	Milton	Powers	County Judge	Tyler County	100 W. Bluff St., Room	Woodville	TX	75979	
30	Mark	Allen	County Judge	Jasper County	121 N. Austin, Room 1	Jasper	TX	75951	
31	Seth	Martindale	Commissioner	Jasper County Comm	146 C.R. 80	Jasper	TX	75951	
32	Kevin	Holloway	Commissioner	Jasper County Comm	1867 FM 777	Jasper	TX	75951	
33	Willie	Stark	Commissioner	Jasper County Comm	191 CR 411	Kirbyville	TX	75956	
34	Dennis	Marks	Commissioner	Jasper County Comm	P.O. Box 1914	Buna	TX	77612	
35	Ronald	Cochran	County Judge	Newton County	110 Court Street	Newton	TX	75966	
36	Danny	Bentsen	Commissioner	Newton County Comr	129 C.R. 3073	Kirbyville	TX	75956	
37	Phillip	White	Commissioner	Newton County Comr	988 FM 1415 N.	Wiergate	TX	75977	
38	Gary	Fomby	Commissioner	Newton County Comr	2240 Hwy. 87 N.	Newton	TX	75966	
39	Leonard	Powell	Commissioner	Newton County Comr	P.O. Box 1205	Deweyville	TX	77614	

District V.I.P.s  
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	B	C	F	G	H	J	K	L	M
40	Wayne	McDaniel	County Judge	Hardin County	300 Monroe Street	Kountze	TX	77625	
41	L. W.	Cooper, Jr.	Commissioner	Hardin County Comm	1290 Hwy. 327 W.	Silsbee	TX	77656	
42	Chris	Kirkendall	Commissioner	Hardin County Comm	P.O. Box 1436	Kountze	TX	77625	
43	Amanda	Young	Commissioner	Hardin County Comm	P.O. Box 225	Saratoga	TX	77585	
44	Ernie	Koch	Commissioner	Hardin County Comm	P.O. Box 8166	Lumberton	TX	77657	
45	Amy	Bythewood	Mayor	City of Woodville	400 West Bluff	Woodville	TX	75979	
46	Mike	Cabaniss	Alderman	City of Woodville	400 North Nellius	Woodville	TX	75979	
47	Mandy	Risinger	City Administrator	City of Woodville	400 West Bluff	Woodville	TX	75979	
48	Joyce	Wilson	Mayor Pro-Tem	City of Woodville	400 West Bluff	Woodville	TX	75979	
49	Kelly	Dillard	Alderwoman	City of Woodville	400 West Bluff	Woodville	TX	75979	
50	Clifton	Wright	Alderman	City of Woodville	400 West Bluff	Woodville	TX	75979	
51	Lee	Mann	Alderman	City of Woodville	400 West Bluff	Woodville	TX	75979	
52	Charles	Odom	Public Works Director	City of Woodville	400 West Bluff	Woodville	TX	75979	
53	Carolyn	Williams	Council Member	City of Ivanhoe	870 Charmaine Dr. E.	Woodville	TX	75979	
54	Joe	McWhorter	Council Member	City of Ivanhoe	870 Charmaine Dr. E.	Woodville	TX	75979	
55	Justin	Gregory	Council Member	City of Ivanhoe	870 Charmaine Dr. E.	Woodville	TX	75979	
56	Skip	Blackstone	Mayor	City of Ivanhoe	870 Charmaine Dr. E.	Woodville	TX	75979	
57	David	Herrington	Council Member	City of Ivanhoe	870 Charmaine Dr. E.	Woodville	TX	75979	
58	Will	Warren	Mayor Pro-Tem	City of Ivanhoe	870 Charmaine Dr. E.	Woodville	TX	75979	
59	C.D.	Woodrone	City Secretary	City of Ivanhoe	870 Charmaine Dr. E.	Woodville	TX	75979	
60	Mark	Muckleroy	Mayor Pro-Tem	City of Silsbee	105 S. Third Street	Silsbee	TX	77656	
61	Thomas	Tyler	Councilman	City of Silsbee	105 S. Third Street	Silsbee	TX	77656	
62	William	Bass	Councilman	City of Silsbee	105 S. Third Street	Silsbee	TX	77656	
63	Paul	Davis	Councilman	City of Silsbee	105 S. Third Street	Silsbee	TX	77656	
64	Adalaide	Balaban	Councilman	City of Silsbee	105 S. Third Street	Silsbee	TX	77656	
65	Danny	Reneau	Mayor	City of Silsbee	105 S. Third Street	Silsbee	TX	77656	
66	Roy	Gravis	Councilman	City of Silsbee	105 S. Third Street	Silsbee	TX	77656	
67	DeeAnn	Zimmerman	City Manager	City of Silsbee	105 S. Third Street	Silsbee	TX	77656	
68	John	Pollock	Mayor	City of Newton	101 North Street	Newton	TX	75966	
69	Donnie	Meek	City Administrator	City of Newton	101 North Street	Newton	TX	75966	
70	John	Jefferson	Councilman	City of Newton	101 North Street	Newton	TX	75966	
71	Joe	Miller	Councilman	City of Newton	101 North Street	Newton	TX	75966	
72	Joni	Miller	Councilman	City of Newton	101 North Street	Newton	TX	75966	
73	Tommy	Westbrook	Councilman	City of Newton	101 North Street	Newton	TX	75966	
74	James	Bean	Councilman	City of Newton	101 North Street	Newton	TX	75966	
75	Frank	George	Mayor	City of Kirbyville	107 S. Elizabeth	Kirbyville	TX	75956	
76	Daryl	Cheney	Lead Operator	City of Kirbyville	107 S. Elizabeth	Kirbyville	TX	75956	
77	Laura	Adams	Mayor Pro-Tem	City of Kirbyville	107 S. Elizabeth	Kirbyville	TX	75956	
78	Andra	Grant	Councilman	City of Kirbyville	107 S. Elizabeth	Kirbyville	TX	75956	

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	B	C	F	G	H	J	K	L	M
79	Vondol	Bailey	Councilman	City of Kirbyville	107 S. Elizabeth	Kirbyville	TX	75956	
80	Wayne	Love	Councilman	City of Kirbyville	107 S. Elizabeth	Kirbyville	TX	75956	
81	Amanda	Gates	Councilman	City of Kirbyville	107 S. Elizabeth	Kirbyville	TX	75956	
82	Duane	Crews	Mayor	City of Colmesneil	P.O. Box 31	Colmesneil	TX	75938	
83	Bubba	Sheffield	Mayor Pro-Tem	City of Colmesneil	501 Hickory	Colmesneil	TX	75938	
84	Dennis	Moffett	Alderman	City of Colmesneil	1009 Shirley Lane	Colmesneil	TX	75938	
85	Gene	Allen	Alderman	City of Colmesneil	505 Ogden Dr.	Colmesneil	TX	75938	
86	Billy	Andrus	Alderman	City of Colmesneil	408 Oak St.	Colmesneil	TX	75938	
87	Virgie	Sullivan	Alderman	City of Colmesneil	P.O. 1012	Colmesneil	TX	75938	
88	Sam	Ashworth	Director	SETGCD	954 Tucker Hill Rd.	Silsbee	TX	77656	
89	Wendy	Turner	Director	SETGCD	P.O. Box 816	Silsbee	TX	77656	
90	Olen	Bean	Director	SETGCD	156 Private Rd. 8031	Newton	TX	75966	
91	Mike	Adams		SETGCD	3507 Highway 87 North	Newton	TX	75966	
92	Robert C.	Woods		SETGCD	Rt. 1, Box 1546	Newton	TX	75966	
93	Cody	Jones	Director	SETGCD	101 North Street	Newton	TX	75966	
94	Julie	Simmons-Carr		SETGCD	101 North Street	Newton	TX	75966	
95	Bobby	Rogers	Treasurer/Secretary	SETGCD	P.O. Box 55	Silsbee	TX	77656	
96	Roger	Fussell	Vice President	SETGCD	P.O. Box 8065	Lumberton	TX	77657	
97	Charles	Zimmerman	Director	SETGCD	298 CR 2152	Woodville	TX	75979	
98	Jim	Boone	Director	SETGCD	1930 CR 2570	Colmesneil	TX	75938	
99	Greg	Wobbe	Director	SETGCD					
100	Robert	Nichols	Senator		329 Neches Street	Jacksonville	TX	75766	
101	Dade	Phelan	Representative		812 N. 16th Street	Orange	TX	77630	
102	Trent	Ashby	Representative		2915 Atkinson Dr.	Lufkin	TX	75901	
103	Earnest	Bailes	Representative		P.O. Box 1116	Shepherd	TX	77371	
104	Travis	Clardy	Representative		202 E. Pilar	Nacogdoche	TX	75961	
105	James	White	Representative					75901	<a href="mailto:James.White@TFSC.Texas.Gov">James.White@TFSC.Texas.Gov</a>
106	Silsbee Bee				404 Hwy. 96 South	Silsbee	TX	77656	
107	Tyler County Booster				P.O. Box 339	Woodville	TX	75979	

## Drillers - District and Surrounding Counties

Fall 2023 Newsletter - Mailed 11/6/2023

	A	B	C	D	E	F	G	H
1	Suffix	LAST NAME	FIRST NAME	ADDRESS 1	CITY	STATE	ZIP	COUNTY
2								
3	Mr.		Evan		Beaumont	TX	77705	Jefferson
4	Mr.		Nathan		Newton	TX	75966	Newton
5	Mr.		David		Newton	TX	75966	Newton
6	Mr.		Harold		Vidor	TX	77662	Orange
7	Mr.		Daniel		Pollok	TX	75969	Angelina
8	Mr.		Claude		Beaumont	TX	77726	Jefferson
9	Mr.		Steven		Beaumont	TX	77726	Jefferson
10	Mr.		Harry		Winnie	TX	77665	
11	Mr.		Stephen		Bronson	TX	75930	Sabine
12	Mr.		Patrick		Cleveland	TX	77327	Liberty
13	Mr.		Keith		Broadus	TX	75929	San Augustine
14	Mr.		Graham		Newton	TX	75966	Newton
15	Mr.		Keith		Lufkin	TX	75901	Angelina
16	Mr.		Thomas		Beaumont	TX	77726	Jefferson
17	Mr.		James		Lufkin	TX	75904	Angelina
18	Mr.		Ronald		Lufkin	TX	75904	Angelina
19	Mr.		Marvin		Cleveland	TX	77328	Liberty
20	Mr.		Dale		Silsbee	TX	77656	Hardin
21	Mr.		James		Liberty	TX	77575	Liberty
22	Mr.		Donald		Livingston	TX	77351	Polk
23	Mr.		Lance		Crowley	LA	70527	
24	Mr.		Kenneth		Kountze	TX	77625	Hardin
25	Ms.		Geneva		Jasper	TX	75951	Jasper
26	Mr.		Dale		Vidor	TX	77662	Orange
27	Mr.		Wes		Vidor	TX	77662	Orange
28	Mr.		Terry		Vidor	TX	77662	Orange
29	Mr.		Whit		Vidor	TX	77662	Orange
30	Mr.		Bobby		Jasper	TX	75951	Jasper
31	Mr.		Boyd		Livingston	TX	77351	Polk
32	Mr.		Ronald		Dayton	TX	77535	Liberty
33	Mr.		Mitchell		Jasper	TX	75951	Jasper
34	Mr.		Michael		Orange	TX	77630	Orange

## Drillers - District and Surrounding Counties

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	A	B	C	D	E	F	G	H
35	Mr.		Albert		Vidor	TX	77662	Orange
36	Mr.		Fred		Vidor	TX	77662	Orange
37	Mr.		Keith		Vidor	TX	77662	Orange
38	Mr.		Dillin		Jasper	TX	75951	Jasper
39	Mr.		Jason		Dayton	TX	77535	Liberty
40	Mr.		Danny		Kirbyville	TX	75956	Jasper
41	Mr.		Norman		Vidor	TX	77662	Orange
42	Mr.		Trejo		Belleville	TX	77418	
43	Mr.		Jason		Vidor	TX	77662	Orange
44	Mr.		Mitch		Silsbee	TX	77656	Hardin
45	Mr.		David		Livingston	TX	77351	Polk
46	Mr.		John		Livingston	TX	77351	Polk
47	Mr.		Randy		Batson	TX	77519	Hardin
48	Mr.		Jon		Livingston	TX	77351	Polk
49	Mr.		Matthew		Beaumont	TX	77705	Jefferson
50	Mr.		Jackie		Jasper	TX	75951	Jasper
51	Mr.		Curtis		Diboll	TX	75941	Angelina





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# Newsletters



Fall 2023



Fall 2022



Fall 2021



Fall 2020



Fall 2019



Winter 2018



Summer 2017



Spring 2016



Fall 2014



Winter 2013



Summer 2013



Fall 2012



Spring 2012



Summer 2011



Fall 2010



Spring 2010

## 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 County Courthouse Annex Building  
271 E. Lamar, Suite 202, 2nd Floor – Emergence  
Operations Center Offices  
Jasper, TX 75951

## Important links

[Meeting and Hearing Notes](#)  
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