Kenedy County Groundwater Conservation District 2022 Annual Report January 18, 2023

The purpose of this Annual Report is to highlight the District's achievements in meeting the goals, management objectives and performance standards outlined in section X of the Management Plan.

GOALS, MANAGEMENT OBJECTIVES AND PERFORMANCE STANDARDS

A. Efficient Use of Groundwater

Management objectives and performance standards for providing the most efficient use of groundwater, as required by Texas Water Code § 36.1071(a)(1) and 31 TAC § 356.5(a)(1)(A).

- 1. Objective: The District will continue to register all new wells and locate and register any existing well that may not yet have been registered.
- 1. Performance Standard: All registered wells are entered into the District's water well database. This includes information from the registration forms, the registration certificate, and for new wells, the drilling log. All information reported to the District regarding each registered well will be entered into the District's water well database. The number of registered wells will be presented in the District's annual report.

Two (2) new wells were registered.

- **4. Objective:** The District will continue to require an operating permit for all non-exempt wells.
- 4. Performance Standard: All permitted non-exempt wells with be entered into the District's water well database, including the application, the permit, annual water use reports, any water quality reports, the driller's log, and any other information available to the District about the wells. The number of wells permitted by the District will be noted in the District annual report.

No permits for non-exempt wells were issued. Listing of all public water supply wells and other wells currently under permit can be found in Appendix A.

- <u>**5.**</u> <u>**Objective**</u>: The District will develop a method of tracking acreage associated with all wells permitted under District Rules as "new wells" under the District's correlative rights production limits.
- <u>5. Performance Standard</u>: The District will provide a certificate to each permittee designating the total acreage allocated to each permit. A copy of these certificates will be entered into the District database for each of these permitted wells. The number of such certificates that are issued will be included in the District annual report.

No certificates were issued.

- <u>6.</u> <u>Objective:</u> Each year, the district will contact all water well service companies doing business in the District and will provide written educational information about District rules and policies.
- 6. Performance Standard: The Board of Directors will approve the content of each year's letter based on activities and emerging issues within the District. A file copy of these letters will be kept in the District Office. Each year, the District's annual report will include a list of licensed water well drillers and pump installers doing business in the District and a copy of the educational information provided.

Letters were mailed to 10 water well drillers/pump installers.

See Appendix B.

- 7. Objective: The District will continue to maintain a database that is current with all data acquired by the District about all registered and permitted wells in the District.
- 7. Performance Standard: Each year, the District's annual report pertinent to items A.1 through A.5 will be derived from the database. Additionally, the report will contain an evaluation of the software being used for the database, and any recommendations regarding needed changes.

District continues to maintain database and all data acquired is being uploaded as time allows. Currently, database is being administered by Williams Web Solutions. Glitches in software are addressed as they occur.

B. Preventing Waste of Groundwater

Management objectives and performance standards for controlling and preventing waste of groundwater, as required by Texas Water Code § 36.1071(a)(2) and 31 TAC § 356.5(a)(1)(B).

- 1. Objective: The District will conduct an on-site investigation within two working days of receiving a report of waste of groundwater.
- 1. Performance Standard: If the District receives a report of waste of groundwater, the General Manager will prepare a written report of the outcome of the investigation and will present it to the Board of Director's at the next Board meeting. A discussion of the waste of groundwater observed by the District, including the number of reports of waste received during the year and the District's response to the reports will be included in the District's annual report.

No reports on waste of groundwater were received.

C. Controlling Subsidence

Management objectives and performance standards for controlling and preventing subsidence, as required by Texas Water Code § 36.1071(a)(3) and 31 TAC § 356.5(a)(1)(C).

- 1. Objective: The Gulf Coast Aquifer contains sufficient amounts of clays interbedded within fairly prolific sand and gravel formations to be vulnerable to subsidence. The current groundwater uses, especially near the coastal areas of the District, are not sufficient to cause dewatering from the clay with a resultant loss of support pressure. The District will evaluate possible subsidence impacts of any near coast, large-scale groundwater production proposal (greater than 100 acre-feet/year).
- 1. Performance Standard: As part of the Operating Permit Application process, the District will be appropriately evaluate possible subsidence impacts of any near coast, large-scale groundwater production proposal (greater than 100 acre-feet/year). The evaluation will be presented to the Board of Directors during the Operating Permit Application consideration. The number and a description of any near coast, large-scale groundwater production proposals will be presented in the District's annual report, and will include the District's evaluation for possible subsidence impacts from the proposals.

No large-scale production proposals that may cause subsidence have been brought before the District.

D. Conjunctive Surface Water Management

Management objectives and performance standards for addressing conjunctive surface water management issues, as required by Texas Water Code § 36.1071(a)(4) and 31 TAC § 356.5(a)(1)(D).

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

1. Performance Standard: The District representative will give an oral report at the District Board meeting following the Region N meeting and the report will be reflected in the minutes of that Board meeting. Additionally, the District's annual report will include the number of Region N meetings attended during the year and the dates of those meetings.

The General Manager attended 2 Region N meetings. The meeting dates were July 8 and August 8, 2022.

E. Natural Resource Issues and Groundwater

Management objectives and performance standards for addressing natural resource issues that impact the use and availability of groundwater and which are impacted by the use of groundwater, as required by Texas Water Code § 36.1071(a)(5) and 31 TAC § 356.5(a)(1)(E).

- 1. Objective: The District will continue to require registration of and a plugging report on all wells that are plugged each year. Additionally the District will require a landowner to register all plugged wells when the landowner becomes aware of their existence.
- 1. Performance Standard: The number of plugging reports received by the District will be noted in the District annual report. All registered plugged wells will be entered into the District's water well database, including the registration application, the registration certificate, and the plugging report, if the well is newly plugged.

Two (2) plugging reports were submitted to the District.

- 2. Objective: The District will require registration of all wells covered by a P-13 submitted to the Railroad Commission. When an operator abandons an oil or gas well and desires to convert it into a potential water well, he must submit a P-13 Form. These wells are considered to be water wells under District Rules, regardless of whether water is ever produced from them.
- 2. Performance Standard: After approval of this management plan, the District will include information about this requirement in the first annual education letter to all water well service companies and to all oil and gas operators doing business in the District. The District will also study the feasibility of identifying P-13 wells by working with the Railroad Commission. The number of P-13 wells registered with the District will be noted in the District annual report.

No P-13 wells were registered with the District.

3. Objective: Once each year, the District will monitor temperature, total dissolved solids, pH, and electric conductivity by taking measurements of at least 25 wells through the voluntary monitoring project described in A.8.

3. Performance Standard: The number of wells to be measured may be increased as necessary. The water quality data will be entered into the District's water well database. The results of each round of annual measurement events will be provided to the Board of Directors within 30 days after completion of measurement collection and analysis and included in the annual report.

See appendix C for results.

F. Drought Conditions

Management objectives and performance standards for addressing drought conditions, as required by Texas Water Code § 36.1071(a)(6) and 31 TAC § 356.5(a)(1)(F).

- 1. Objective: Link to the Texas Water Development Drought page (http://www.twdb.state.tx.us/data/drought) will be maintained on the District website to provide short-term and long-term drought information.
- 1. Performance Standard: At least quarterly, the website will be checked to ensure that the links are still current. The General Manager will assess the status of drought in the District and prepare a quarterly briefing to the Board showing the impact of drought or weather conditions on water levels. The District's annual report will include the downloaded PDSI maps, Situation Reports, and copies of the quarterly briefing.

The Board received quarterly drought assessment reports. See Appendix D for copies of reports.

G. Conservation Measures

Management objectives and performance standards for addressing conservation, recharge enhancement, rainwater harvesting, precipitation enhancement, brush control where appropriate and cost effective, as required by Texas Water Code § 36.1071(a)(7) and 31 TAC § 356.5(a)(1)(G).

- 1.a. Conservation Objective: The District will collaborate with the local USDA-Natural Resources Conservation Service (NRCS) field office and submit an article on water conservation for publication each year to at least one newspaper of general circulation in the District and post it on the District website.
- **1.a.** Conservation Performance Standard: A copy of the published article on conservation will be included in the District's annual report.

See Appendix E for copy of published article.

1.b. Conservation Objective: The General Manager will be available to present water conservation programs to schools, 4-H clubs, scouting units and community groups on a request basis. These programs will be scheduled through the District office and will be

appropriate for the various audiences. Depending on availability, the District will make every effort to distribute, on an annual basis, conservation education materials to schools that serve students from the District.

1.b. Conservation Performance Standard: A summary of programs presented, content and audience group will be included in the annual report. A bibliography of any conservation literature provided to the audience by the District will be included in the report with the summary.

Major Rivers, an environmental awareness and water education program, was distributed to schools in Sarita and Santa Gertrudis.

See Appendix F for information on the program.

- **1.c. Conservation Objective:** The General Manager will monitor all continuing education classes on drought and conservation that would be beneficial and attend with the Board's approval.
- **1.c.** Conservation Performance: A summary of classes attended will be included in the annual report.

The General Manager participated in a TAGD Boot Camp at the quarterly TAGD meeting held in February, 2022 in Bee Cave, TX.

- 2. Recharge Enhancement Objective: The District, with the services of a consultant, will attempt to identify recharge areas within the District and present them in connection with the biennial report on water monitoring results.
- **2.** Recharge Performance Standard: All recharge areas identified within the District will be listed in the annual report.

Being that recharge occurs as a result of precipitation anywhere within the District, no new specific recharge areas have been identified.

- <u>**3.**</u> Rainwater Harvesting: This management goal category is not applicable to the District due to a low population number.
- <u>4. Precipitation Enhancement:</u> The District has no plans to participate in precipitation enhancement because it has not been proven to be cost effective and is not feasible for the District.

- 5. Brush Control Objective: Annually, the District will contact the USDA-NRCS and the Kleberg-Kenedy Soil and Water Conservation District (SWCD) offices to obtain information about brush control and make that information available to the public.
- <u>5. Brush Control Performance Standard:</u> All information on brush control obtained from the USDA-NRCS and the Kleberg-Kenedy SWCD offices and provided to the public will be reported in the District's annual report and posted on the website.

Any person requesting information on Brush Control is referred to the USDA-NRCS field office in Kingsville, TX. Links to Brush Control can be found on the District's website.

H. Desired Future Conditions

Management objectives and performance standards for addressing the desired future condition of the groundwater resources in the District (if available from the districts in the groundwater management area), as required by Texas Water Code § 36.1071(a)(8) and 31 TAC § 356.5(a)(1)(H).

As per Resolution No. 2022-1 submitted in June, 2022, the authorized voting representatives for Groundwater Management Area 16 established a desired future condition (DFC) of the Gulf Coast aquifer which was an area-wide average drawdown of approximately 78 feet through 2080. The DFC established for the Kenedy County GCD was a drawdown of 27 feet in 2080.

- 1. Objective: The District-wide, voluntary monitoring project will be maintained and includes biennial measurements of hydrostatic levels from approximately 50 wells and the hydrostatic level to bottom of screen measurements in those wells where the screen depth is known.
- 1. Performance Standard: The number of wells to be included in the monitoring project may be increased as necessary. The respective hydrostatic levels and other related data will be entered into the District's water well database. The results of each round of biennial measurements will be provided to the Board of Directors within 30 days of completion of the measuring round. The number of wells involved in the project and the respective static levels will be included in the District's annual report.

Hydrostatic levels are being monitored on approximately 50 wells twice per year.

See Appendix G for results.

2. Objective: The District will monitor groundwater withdrawals in the District to evaluate compliance with the desired future condition.

2. Performance Standard: As part of the biennial report on water level measurements from the monitoring program described in A.8, above, the General Manager will include in his written report to the Board an evaluation of the drawdown relative to the DFC.

Monitoring of the drawdown relative to the DFC for the Kenedy County GCD will be conducted yearly during the month of February.

See Appendix H for results.

XI. METHODOLOGY FOR TRACKING PROGRESS

Methodology for tracking progress in meeting management goals, objectives, and performance standards, as required by $31 \text{ TAC } \S 356.5(a)(6)$.

As mentioned in the management objectives and performance standards above, written reports will be presented to the Board of Directors on a timely manner, based on the objective. Additionally, as described in section X, all data related to water wells in the District will be entered into the District's water well database.

The General Manager will prepare and present to the board of directors (BOD) an Annual Report covering District performance in achieving management goals and objectives for the preceding fiscal year. The report will be presented to the BOD in January of the following year. The District will maintain the report in its files and will have copies available to the public. Once the report is approved by the Board, it will be posted on the website.

Appendix A

Kenedy County GCD Permitted Wells

District Well #

Appendix B

KENEDY COUNTY GROUNDWATER CONSERVATION DISTRICT

P. O. Box 212 SARITA, TEXAS 78385

EDWARD BORDOVSKY
President
VERL CASH
Vice President

ESTEBAN LOPEZ
Secretary/Treasurer
DAN BUTLER
Board Member
SONNY BURNS
Board Member

Sept. 9, 2022

Edward Pawlik & Sons 3118 U. S. Highway 281 George West, TX 78022

RE: Kenedy County Groundwater Conservation District

Dear Sir,

As a water well service provider doing business in the Kenedy County Groundwater Conservation District (GCD), the District wants to thank you for your continued cooperation and assistance in ensuring compliance with District Rules regarding water wells. This letter is part of the District's ongoing commitment to open communication and public education.

I am the General Manager of the Kenedy County GCD. The District's contact information is available in the header and footer of this page and on the District's website at www.kenedygcd.com.

District Boundaries and Well Registration

You are probably aware that the District includes all of Kenedy County and parts of Brooks, Hidalgo, Jim Wells, Kleberg, Nueces, and Willacy counties. No additional territory has been annexed since October, 2017. The District's website contains a current map. When trying to determine whether a proposed water well will be located within the District, we ask that you confer with the landowner and check the District map that is enclosed to determine if the well needs to be registered. Your assistance on this matter will be greatly appreciated by our District. If you still have questions about whether the location falls inside the District, feel free to contact me and I will assist you in making this determination. Email me at general manager@kenedygcd.com or call at (361) 294-5336.

Spacing From Property Lines

District rule 10.4 pertains to spacing of water wells from property lines. Please refer to attachment that explains this particular rule.

Andres Garza, General Manager

Phone: 361-294-5336 Fax: 361-294-5244

E-Mail: General manager@kenedygcd.com

Edward Bordovsky, President P.O. Box 8 Riviera, TX 78379 Pnone: 361-522-1320

Converting Dry Holes into Water Wells

Occasionally, when drilling for oil or gas, the operator encounters a dry hole. Sometimes, the landowner requests that rather than plugging the hole to the surface, the operator convert the hole into a water well. When this is planned, a Form P-13 must be submitted to the Railroad Commission of Texas. When this occurs, the well owner must register the well with the District, following District rules applicable to any other water well. If this occurred before October 8, 2009, the water well would be considered to be subject to the rules associated with "existing" wells. If this occurs after October 8, 2009, the water well is considered to be a "new" well and must comply with new well regulations. This means that prior to submitting the P-13, the water well must be registered with the District. If the water well will not be completed at that time, it must be registered as an inactive well and must be properly capped. When registering the well, a copy of the P-13 must be provided to the District. Once the water well is completed and ready for production, the owner must submit a Report of Change in Well Conditions or Operations, noting the changes from an inactive to an active water well.

District Rules

As a result of HB 30 passed by the Texas legislature in 2015, the Texas Water Development Board designated 2 brackish groundwater production zones in the Kenedy County GCD. One zone is 97% and the other is 33% in our GCD. Now that HB 722, passed in 2019, is in effect, our GCD has promulgated rules for brackish groundwater production from the designated zones. The most current District rules can be found at www.kenedygcd.com.

District Management Plan

In accordance with Chapter 36 of the Texas Water Code, the District Management Plan must be reviewed and updated, if necessary, every five years. Our Management Plan was last revised and approved by the Texas Water Development Board in July, 2017. Currently, the Management Plan is being revised and will be submitted to the Texas Water Development Board for approval. The current Management Plan can be found on our website.

Monitoring Program

The Kenedy County GCD has been monitoring water levels and water quality since 2011. Water level measurements are conducted on fifty wells twice a year, usually in February and July. It is in July of each year that water samples are collected to determine levels of total dissolved solids which is a good indicator of salinity.

Board of Directors

The current makeup of the board is as follows: Esteban Lopez-Precinct 1; Edward Bordovsky-Precinct 2; Sonny Burns-Precinct 3; Danny Butler-Precinct 4 and Verl Cash-Precinct 5.

Please feel free to contact the District if you have any questions.

Sincerely,

Andy Garza General Manager

Enclosures: Map and rule 10.4

Water Well Drillers/Services Kenedy County Groundwater Conservation District 2022

- 1. Martin Water Wells
- 2. Richardson Water Wells
- 3. Neely Water Well Services, Inc.
- 4. Babe Page Water Well Drilling
- 5. Cinco-E Inc.
- 6. Edward Pawlik & Sons
- 7. Haner Water Well Services
- 8. R. Molina Water Well Drilling
- 9. J & S Water Wells
- 10. Maral Drilling Co.

Appendix C

Water Chemistry Kenedy County GCD

8/11/2022

Prepared by: Andy Garza

	0/11/20/	Prepared by: Andy Garza				
Well #	Name	TDS*	EC**	рН		
660(3)	La Drena	990	1.98	8.27]		
782(1)	Ygriega	1180	2.36	8.42		
135(3)	S. Vargas Cr.	740	1.48	7.47		
309(4)	La Curva	1420	2.84	7.98		
319(4)	La Fortuna	1340	2.68	8.48		
791(3)	Maleta	1650	3.63	8.07		
332(4)	Hurraco	740	1.48	7.36		
320(4)	Frijol	1650	3.3	8.1		
984(3)	Caesar	840	1.68	8.29		
843(1)	Palomas	790	1.58	9.11		
1025(3)	Republicano	740	1.48	8.59		
576(5)	Ratones	2150	4.3	7.98		
1260(3)	Armstrong #1	620	1.24	8.16		
98(2)	Alt,d/l Pita	670	1.34	7.63		
1384(2)	Crocker HQ	670	1.34	7.77		
39(5)	Potr. Chiquita	1110	2.22	7.76		
90 (5)	Las Comas	990	1.98	7.36		
118 (2)	Tio Luis	730	1.46	7.3		
519 (5)	Don Roberto	1330	2.66	8		
528 (5)	Las Flacas	1130	2.26	8.1		

*ppm **mS/cm Appendix D

show experts' assessments of conditions related to dryness and drought including observations of how much water is available in streams, lakes, The U.S. Drought Monitor (USDM) is updated each Thursday to show the location and intensity of drought across the country. Drought calegories and soils compared to usual for the same time of year.

Learn More (/data-maps-tools/us-drought-monitor)

U.S. Drought Monitor Category

D0 - Abnormally Dry

D1 - Moderate Drought

47.9%

58.0%

% of U.S.

36.1%

14.6%

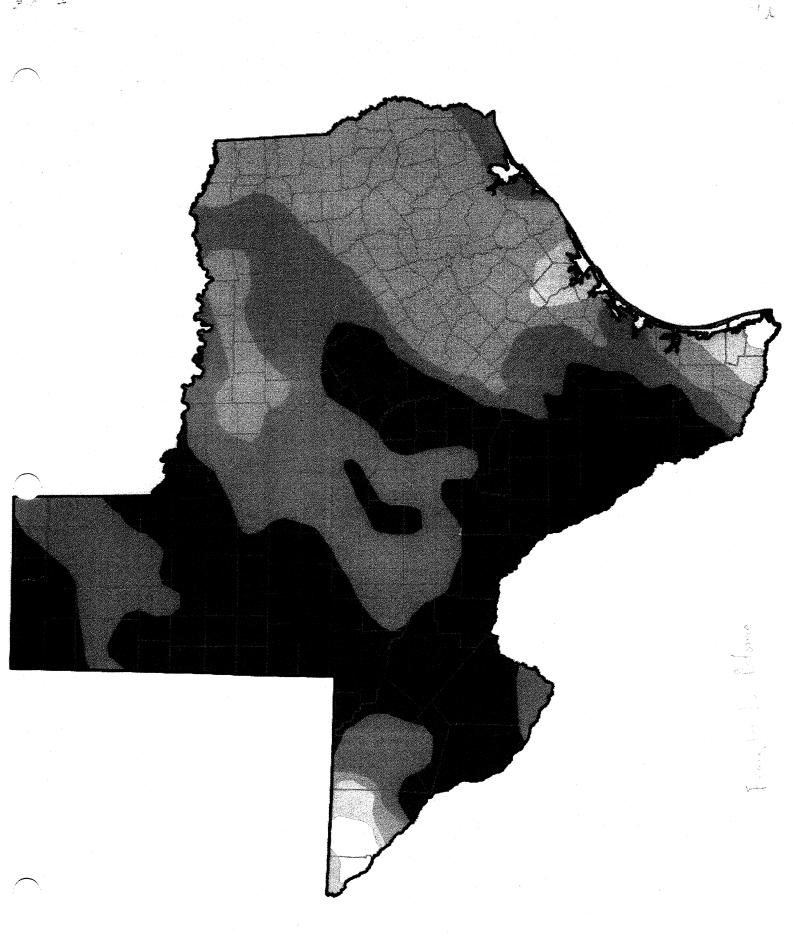
1.8%

D3 - Extreme Drought D2 - Severe Drought

D4 - Exceptional Drought

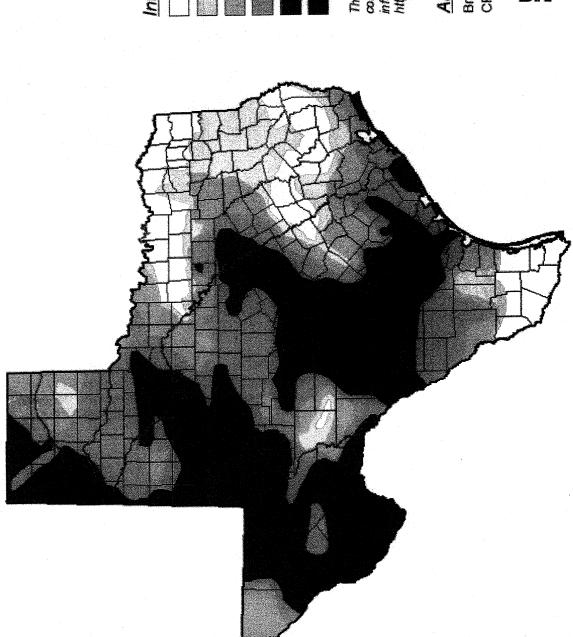
Source(s): NDMC (/about/partners/national-drought-mitigation-centerndmc), NOAA (/about/partners/national-oceanic-and-atmosphericadministration-noaa), USDA (/about/partners/us-departmentagriculture-usda) Updates Weekly - 04/05/22

Drought by Sector



U.S. Drought Monitor **Texas**

(Released Thursday, Jun. 9, 2022) June 7, 2022 Walid 8 a.m. EDT



ntensity.

None

D0 Abnormally Dry

Of Moderate Drought

D2 Severe Drought

D3 Extreme Drought

D4 Exceptional Drought

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

Author.

CPC/NOAA Brad Pugh







droughtmonitor.unl.edu

U.S. Drought Monitor **Texas**

August 9, 2022

(Released Thursday, Aug. 11, 2022) Valid 8 a.m. EDT

Intensity:

None

D0 Abnormally Dry

D1 Moderate Drought

D2 Severe Drought

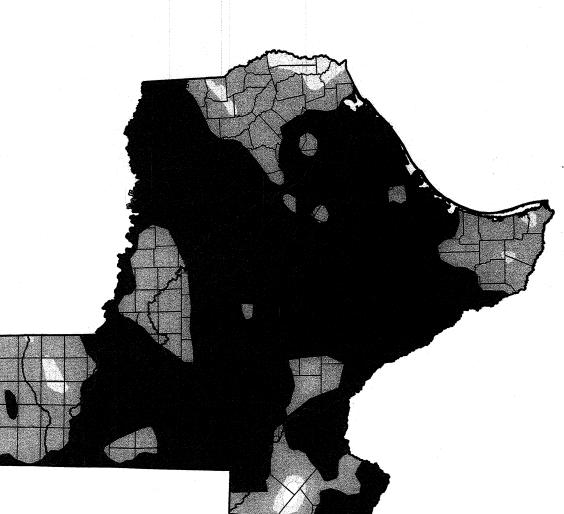
D3 Extreme Drought

D4 Exceptional Drought

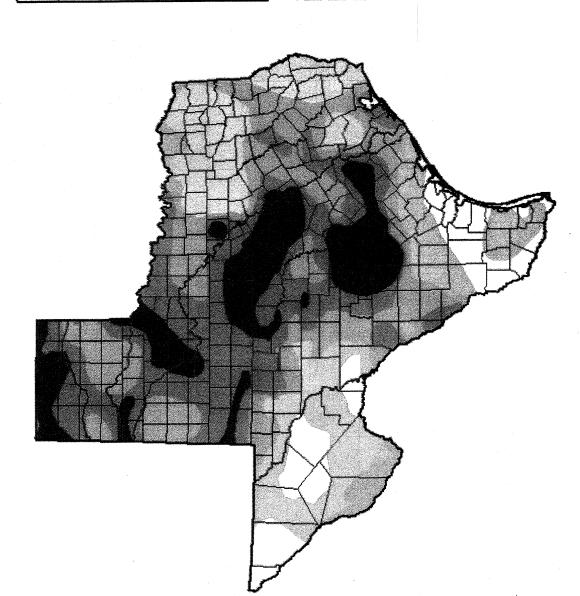
conditions. Local conditions may vary. For more The Drought Monitor focuses on broad-scale https://droughtmonitor.unl.edu/About.aspx information on the Drought Monitor, go to



CPC/NOAA/NWS/NCEP Richard Tinker **Author:**



U.S. Drought Monitor **Texas**



November 8, 2022

(Released Thursday, Nov. 10, 2022) Valid 7 a.m. EST Drought Conditions (Percent Area)

	None	D0-D4	Do-D4 D1-D4 D2-D4	CZ-D4	D3-D4	Ä
Current	86	90.20	3	3	14,86	Ç w
Last New K	940	91.90	8	2	13.43	£
3 Month s Ago	3	26.95	0E'96	87.50	68.21	8
Start of Calendar Year 91-04-2022	85.7	27.75	79.83	Š	16.69	8
Start of Welter Year	14.96	85.04	61.36	3.6	8.82	\$
One Year Ago	8 8	64.42	32.22	8	0.0	8

Intensity

None

Do Abnormally Dry

D1 Moderate Drought

D3 Extreme Drought ____ D2 Severe Drought

D4 Exceptional Drought

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

Author

Brian Fuchs

National Drought Mitigation Center







droughtmonitor.unl.edu

Appendix E

OWNERSHIP AND REGULATION OF SURFACE WATER AND GROUNDWATER IN TEXAS

Texas surface water law has evolved from the Riparian Doctrine to the Prior Appropriation Doctrine. Surface water is owned by the State of Texas held in trust for the public (TWC §11.021, §11.0235). With passage of the Water Rights Adjudication Act in 1967, Texas adopted a unified surface water permit system. Unless the purpose of use is domestic or livestock (exempt uses that remain riparian), anyone wishing to use surface water must receive permission from the state in the form of a "water right." The TCEQ is primarily responsible for granting surface water rights, which then become private property in and of themselves unless forfeited through nonuse.

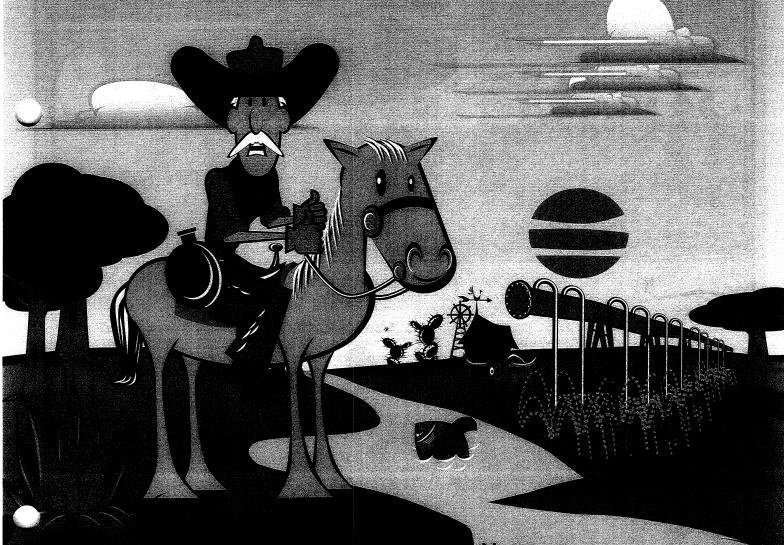
Texas groundwater law is rooted in the rule of capture. Texas landowners own the water beneath their property (TWC §36.002) and may use or sell the water as private property. The Texas Legislature, however, has authorized the establish-

ment of groundwater conservation districts (GCDs), which generally have the authority to modify the rule of capture by promulgating rules for conserving, protecting, recharging, and preventing waste of underground water. TWC \$36.0015 states that GCDs "are the State's preferred method of groundwater management in order to protect property rights, balance the conservation and development of groundwater to meet the needs of this state, and use best available science in the conservation and development of groundwater." There are currently 100 GCDs that cover about 70% of the area of Texas. GCDs operate though a board of directors, whose members are either elected or appointed, generally by elected officials, per the conditions established in the legislative act that created the district or TWC if the district was through petition. GCDs may choose to recognize SW-GW interaction through the adoptions of management goals to maintain springflow and/ or stream baseflow.

The TCEQ cannot authorize or regulate groundwater pumping via permit, just as a GCD cannot regulate the permitting and diversion of surface water. Consequently, an inherent statutory conflict is created by having these separate regulatory mechanisms, particularly as it relates to SW-GW interaction. The differences in the regulatory agencies, technical disciplines, and ownership issues associated with surface water and groundwater have led to the development of programs to develop regulatory tools for evaluating groundwater availability and surface water availability but few tools for evaluating SW-GW interactions.

Appendix F

A Water Education Program for Texas



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Name:

Appendix G

Water Level Measurements

Kenedy GCD

				8/10/2022			Prepared by Andy Garza	ındy Garza
# QOS	Name	Property	Lat.	Long.	Depth(-ft)	Depth(-ft) Prev/Avg(-ft)	AGC (ft)	Date
519	Don Roberto	KR-Laureles	27.520383	-97.54233	45	42.6/43.8	1	8/5/2022
9/9	Ratones #2	=	27.50755	-97.462617	41	40.6/38.2	1.4	=
285	Telefon	=	27.4685	-97.6971	99.5	99.1/102.1	1.3	=
528	Las Flacas	=	27.4055	-97.692383	62.9	58.5/60.8	1.8	=
532	Guayacan	=	27.4575	-97.604667	65.7	62.5/65.8	8.0	=
583	Sordo	=	27.41885	-97.391617	48.6	48.6/48.4	1.3	=
68	Viboras	=	27.34355	-97.578283	28	27.5/28.5	1.2	=
34	Cola Blanca	KR-SG	27.592233	-97.882333	202.4	200.7/196.6	1.3	8/5/2022
33	Potrero Chiquita	=	27.5736	-97.9389	197	192.5/197.5		=
26	Puertos	=	27.537183	-97.920667	177	173.1/175.8	6.0	=
52	Calera	=	27.50705	-97.952383	208	204.4/207.3	0.5	=
83	Laguna Larga	=	27.30935	-97.986333	105.6	103.3/107.2	1.8	=
88	Alta d/l Pita	=	27.317383	-97.90315	96	94.1/98.3	0.8	=
118	Tio Luis	=	27.258383	-97.863183	71.7	6.17/6.79	0.9	=
2	M-95	=	27.6335	-98.056683	171.5	170.2/171.2	1	Ξ
46	83	=	27.5346	-98.0977	160	158.2/158.3	1.3	=
06	Las Comas	=	27.339083	-98.017685	120.8	117.6/122	0.8	Ξ
202	Capitan	LMBI	27.234533	-97.925267	71.2	66.7/71.5	_	7/13/2022
167	Monte Negro	=	27.162117	-97.971483	62.1	59.4/62.7	2	=
135	S. Vargas Cr.	=	26.779017	-98.190933	47.3	45.5/45.4	1.3	=
1514	Sta. Anita HQ.	=	26.6931	-98.204	64.1	64.1/63.9	_	=

Water Level Measurements Kenedy Co. GCD 8/10/2022

Prenared by Andy Garza

86.5
51.9
27.8
31.2
56
18.1
4 8
15.9
6.2
12.9
0
31
18.1
13.1
13.2
15.7
17.6
31.4

Water Level Measurements

Kenedy Co. GCD

y Garza	Date	7/21/2022	=	=	=	7/22/2022	=	Ξ	=	=	=	=	7/29/2022					
Prepared by Andy Garza	AGC (ft)	2	1	1.6	1.7	2.1	1.6	1.5	0.3	1.5	1	1.9	1.3					
Р	Depth (-ft) Prev/Avg(-ft)	23.1/21.3	36.3/35.3	14.8/15.2	5.5/7.8	48.7/46.2	58.1/52.7	34.3/34.9	15.5/15.6	62.3/60.4	32.5/32.8	41.4/42	64.7/65.6					
	Depth (-ft)	24	37	16.5	6.4	48.7	58.8	34.9	16	62.6	35.4	43.4	66.4					
8/10/2022	Long.	-97.920887	-97.896245	-97.689368	-97.6017	-97.7664	-97.76375	-97.7942	-97.68271	-97.8024	-97.632075	-97.747	-97.87925					
	Lat.	26.977318	27.044587	27.021914	27.0384	27.21336	27.192	27.10231	27.14866	27.2603	27.162676	27.2475	27.16693					
	Property	KMF	=	=	Ε	KCT	=	=	=	=	=	=	A.V. Crocker					
	Name	Golondrina	La Drena	Maranita	Ygriega	Palomas	El Paistle	Mifflin	Carricitos	La Perla	Mesquite Pens	Sarita GP	Crocker HQ					
	# QOS	649	099	189	782	843	855	891	842	863	841	1456	1384					

Appendix H

		Ÿ													1		-	-	-	-		L	
					-																		7
Well#	Name S/11 W/12 S/12 W/13 S/13 W/14 S/14	S/11	W/12	S/12	W/13	S/13	W/14	S/14	W/15	S/15	115 S/15 W16 S/16 W/17 S/17 W/18 S/18 W/19 S/19 W/20 S/20 W/21 S/21 W/22	S/16	N/17	S/17 V	W/18	S/18 V	W/19	S/19	N/20 S	3/20 W	1121 SI	21 W	1/22
1456(1)	456(1) Sarita GP		1								43.4 40.3 45.5 42.3 39.6 42.5 39.9 41.0 41.3 43 42.2 41.2 41.4	40.3	45.5	12.3	39.6	12.5	39.9	41.0	41.3	43 4	2.2 4	1.2 4	1.4
														<u> </u>	î								
1384(2)	1384(2) Croc. HQ				67.1	67.1 68.9 66.3	66.3	29	65.8	65.8 65.8 63.7	63.7	7 64.6 66.6 64.5 60.3 65.9 65.1	9.99	64.5	30.3	92.9	95.1	65.5 65.1	_	99	66.3 64.9 64.9	4.9 6	4.9
																							, , e retario
				1			T																

S=Summer W=Winter

DFC; average loss of 0.58 ft. from winter 2019 to winter 2020; average loss of 0.54 ft. from winter 2020 to winter 2021; average gain of 1.4 ft. from winter 2021 to winter 2022.

9 wells being monitored

Appendix I

Kenedy County Groundwater Conservation District Adopted 2022 Budget September 17, 2021

Income:

Ad Valorem Taxes (\$0.0128/\$100)	\$218,700.00
Interest Income	500.00

TOTAL INCOME:

\$219,200.00

Expenditures:

Professional Se	ervices:
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Manager	\$57,500.00
Audit	8,000.00
Appraisal District Allocations	4,000.00
Tax Office Commission	8,000.00
Administrative Assistant	30,000.00
Legal	30,000.00

Total Professional Services:

\$137,500.00

Operating Expenses: Accounting

ing Expenses.	
Accounting	1,100.00
Bank Charges	200.00
Computer/Software	2,500.00
Contingency	6,250.00
Management Plan/Rule Amendments	12,000.00
Directors' Continuing Education	1,000.00
Directors' Travel	2,000.00
Dues & Subscriptions	1,500.00
Election Costs	1,500.00
Equipment	3,000.00
Joint Planning/GMA-16	3,500.00
Insurance - Liability	3,000.00
Insurance – Worker's Comp	350.00
Manager - Health Insurance	8,000.00
Manager – Travel & Education	4,000.00
Manager- Mileage	6,000.00
Manager – Payroll Taxes	6,000.00
Maps & Records	2,500.00
Office Supplies	3,000.00
Office Telephone	800.00
Postage	500.00
Public Education Brochure	1,000.00
Public Notices	2,000.00
Surety Bonds	1,000.00
Water Test/Lab	2,500.00
Website/Database	2,500.00
Well Monitoring	4,000.00

Total Operational Expenses:

\$81,700.00

TOTAL EXPENSES:

\$219,200.00