

**Kenedy County Groundwater Conservation District**  
**2019 Annual Report**  
**January 27, 2020**

**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.

**Five(5) existing and six(6) 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 will 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.**

**5. Objective:** 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.

**5. Performance Standard:** 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.**

**6. Objective:** 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. Software has been evaluated and changes were made to improve security.**

**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 President and General Manager attended 4 Region N meetings. The meeting dates were February 7, May 9, September 19, and November 14, 2019.**

**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.

**Three(3) 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 oil and gas operator abandons an oil and gas well and desires to convert it into a potential water well, he must submit a P-13. 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.

**One(1) P-13 well was 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:** Links to NOAA Climate Monitoring web-page (<http://www.ncdc.noaa.gov/oa/climate/research/prelim/drought/palmer.html>) and 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 drought assessment reports when available.**

**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.

**Water For Texas, an environmental awareness and water education program, was distributed to schools in Sarita, Santa Gertrudis and Ben Bolt. A presentation on groundwater was given to 4<sup>th</sup> graders at the Sarita School in February, 2019.**

**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.

**General Manager attended a workshop on Water Reuse in May, 2019 and a workshop on Climate Change in June, 2019.**

**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.**

**3. Rainwater Harvesting:** This management goal category is not applicable to the District due to a low population number.

**4. Precipitation Enhancement:** 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.

**5. Brush Control Performance Standard:** 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. R2017-01 submitted in January, 2017, 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 62 feet through 2060. The DFC established for the Kenedy County GCD was a drawdown of 40 feet in 2060.

**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 TAC § 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  
2019**

**District Well #**

143  
179  
210  
215  
831  
832  
833  
834  
835  
836  
837  
838  
934  
935  
936  
937  
939  
1034  
1035  
1036  
1037  
1085  
1086  
1094  
1095  
1096  
1097  
1098  
1099  
1254  
1255  
1256  
1299  
1300  
1453  
1505

## **Appendix B**

**Water Well Drillers/Services  
Kenedy County Groundwater Conservation District  
2019**

- 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.**



# KENEDY COUNTY GROUNDWATER CONSERVATION DISTRICT

P. O. Box 212  
SARITA, TEXAS 78385

CHUCK BURNS  
President  
HOMERO VERA  
Vice President

DAVID DELANEY  
Secretary/Treasurer  
DAN BUTLER  
Board Member  
CRAIG WEILAND  
Board Member

Oct. 1, 2019

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](http://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, 2012. 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](mailto: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](mailto:General_manager@kenedygcd.com)

Chuck Burns, President  
P. O. Box 458, Raymondville, Texas 78580  
Phone: (956) 227-0554  
E-Mail: [cburns25@aol.com](mailto:cburns25@aol.com)

## 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 in 2015, the Texas Water Development Board designated 2 brackish groundwater production zones in the Kenedy County GCD. One zone is 100% and the other is 33% in our GCD. Now, as a result of HB 722 passed in 2019, our GCD must develop production rules for these designated zones. These production rules should be finalized sometime in 2020. The most current District rules can be found at [www.kenedygcd.com](http://www.kenedygcd.com).

## District Management Plan

Under law, the District Management Plan must be reviewed and updated, if necessary, every five years. Our Management Plan was revised and approved by the Texas Water Development Board in July, 2017. The Management Plan will again be reviewed and revised, if necessary, in 2022. The Management Plan can be found on our website.

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

Sincerely,

Andy Garza  
General Manager

Enclosures: Map and rule 10.4

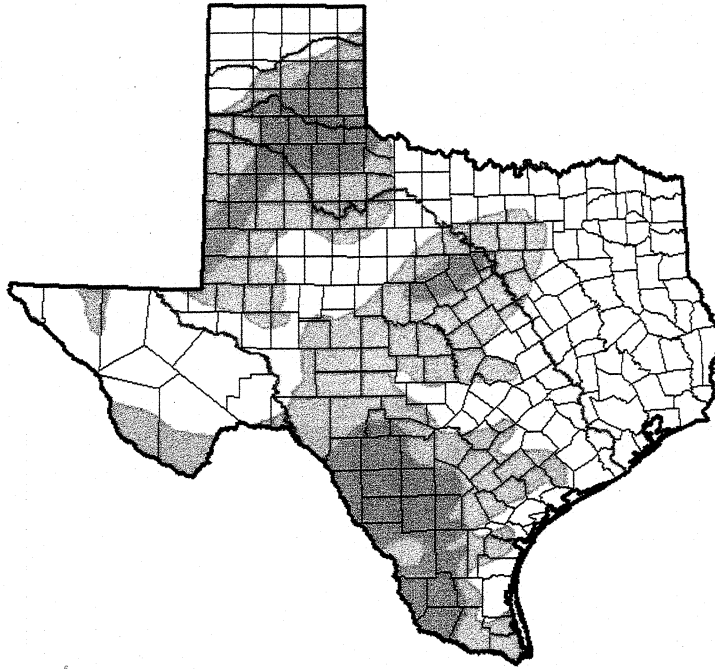
## **Appendix C**



## **Appendix D**

# U.S. Drought Monitor Texas

**March 12, 2019**  
(Released Thursday, Mar. 14, 2019)  
Valid 8 a.m. EDT



Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
<b>Current</b>	52.86	47.14	14.69	0.00	0.00	0.00
<b>Last Week</b> <i>03-05-2019</i>	45.94	54.06	19.92	0.00	0.00	0.00
<b>3 Months Ago</b> <i>12-11-2018</i>	96.30	3.70	0.00	0.00	0.00	0.00
<b>Start of Calendar Year</b> <i>01-01-2019</i>	92.99	7.01	1.32	0.00	0.00	0.00
<b>Start of Water Year</b> <i>09-25-2018</i>	57.46	42.54	20.19	7.03	0.96	0.00
<b>One Year Ago</b> <i>03-13-2018</i>	24.83	75.17	54.19	22.29	14.19	0.00

Intensity:

- 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. See accompanying text summary for forecast statements.*

Author:

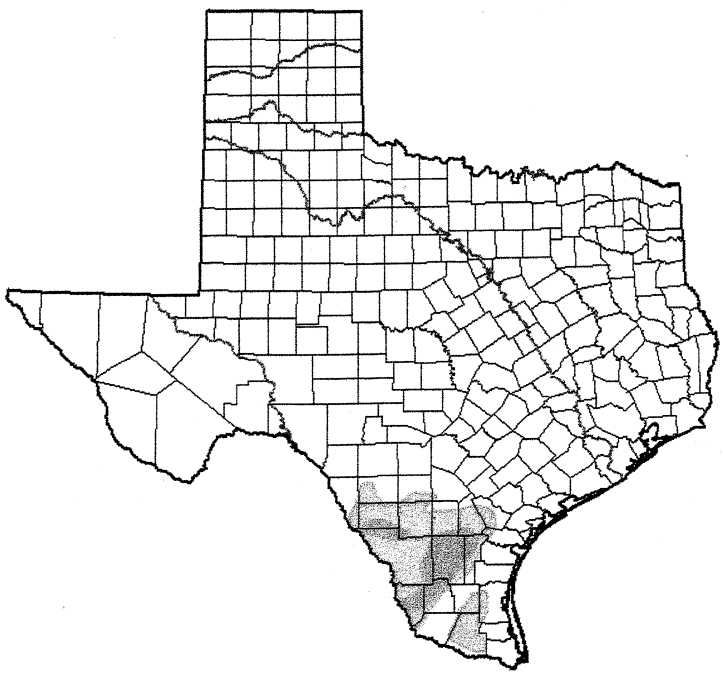
Jessica Blunden  
NCEI/NOAA



<http://droughtmonitor.unl.edu/>

# U.S. Drought Monitor Texas

**June 18, 2019**  
(Released Thursday, Jun. 20, 2019)  
Valid 8 a.m. EDT



Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
<b>Current</b>	94.17	5.83	1.59	0.00	0.00	0.00
<b>Last Week</b> 06-11-2019	94.90	5.10	0.52	0.00	0.00	0.00
<b>3 Months Ago</b> 03-15-2019	89.05	30.95	9.67	0.90	0.00	0.00
<b>Start of Calendar Year</b> 01-01-2019	92.99	7.01	1.32	0.00	0.00	0.00
<b>Start of Water Year</b> 09-25-2018	57.46	42.54	20.19	7.03	0.96	0.00
<b>One Year Ago</b> 06-19-2018	25.97	74.03	47.12	18.88	3.78	0.64

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. See accompanying text summary for forecast statements.*

Author:

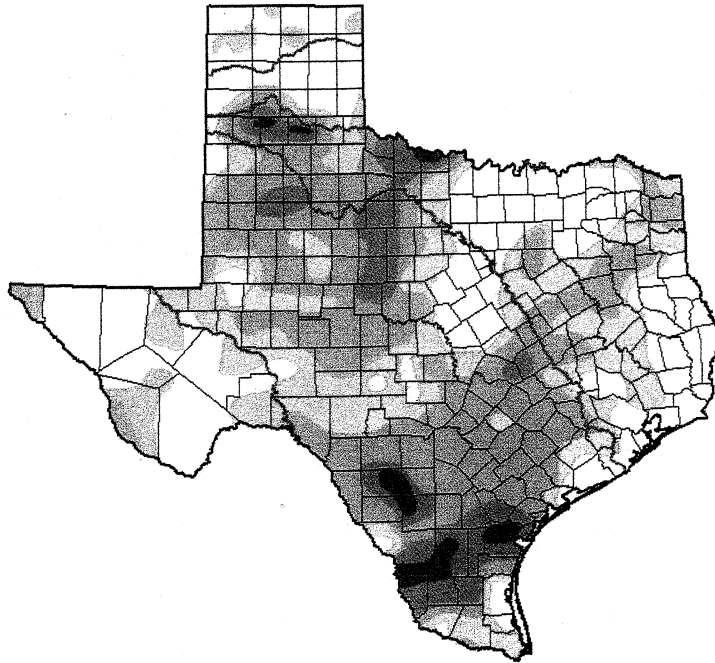
Brad Pugh  
CPC/NOAA



[droughtmonitor.unl.edu](http://droughtmonitor.unl.edu)

# U.S. Drought Monitor Texas

**September 3, 2019**  
(Released Thursday, Sep. 5, 2019)  
Valid 8 a.m. EDT



Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
<b>Current</b>	33.59	66.41	42.90	10.26	1.73	0.00
<b>Last Week</b> <i>08-27-2019</i>	25.90	74.10	37.58	8.75	1.21	0.00
<b>3 Months Ago</b> <i>06-04-2019</i>	93.83	6.17	0.18	0.00	0.00	0.00
<b>Start of Calendar Year</b> <i>01-01-2019</i>	92.99	7.01	1.32	0.00	0.00	0.00
<b>Start of Water Year</b> <i>09-25-2018</i>	57.46	42.54	20.19	7.03	0.96	0.00
<b>One Year Ago</b> <i>08-04-2018</i>	19.92	80.08	64.28	27.09	5.51	0.12

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. See accompanying text summary for forecast statements.

Author:

David Miskus  
NOAA/NWS/NCEP/CPC

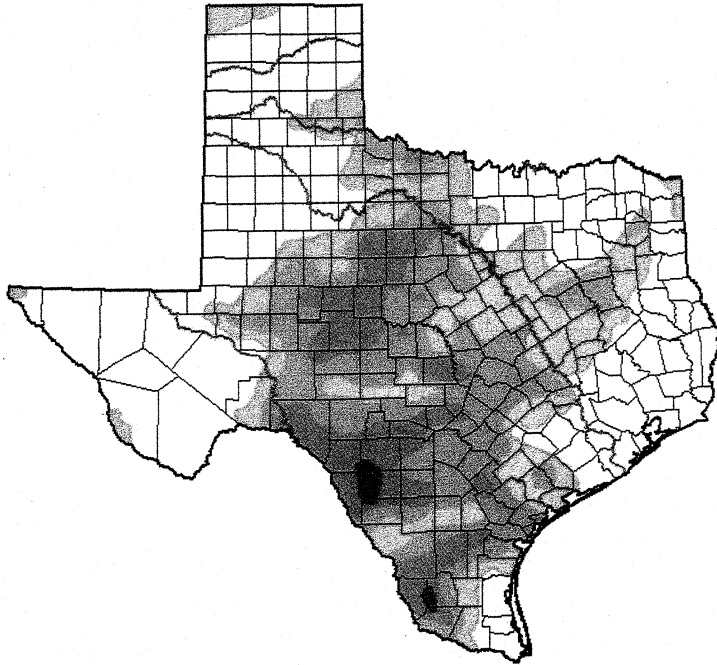


[droughtmonitor.unl.edu](http://droughtmonitor.unl.edu)



# U.S. Drought Monitor Texas

**November 12, 2019**  
(Released Thursday, Nov. 14, 2019)  
Valid 7 a.m. EST



Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
<b>Current</b>	46.76	53.24	31.97	11.04	0.56	0.00
<b>Last Week</b> 11-05-2019	42.29	57.71	40.96	19.22	6.00	0.00
<b>3 Months Ago</b> 08-13-2019	35.20	64.80	22.18	4.08	0.21	0.00
<b>Start of Calendar Year</b> 01-01-2019	92.99	7.01	1.32	0.00	0.00	0.00
<b>Start of Water Year</b> 10-01-2018	31.74	68.26	46.05	22.33	6.32	0.00
<b>One Year Ago</b> 11-13-2018	97.73	2.27	0.99	0.00	0.00	0.00

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:

Deborah Bathke  
National Drought Mitigation Center



[droughtmonitor.unl.edu](https://droughtmonitor.unl.edu)

## **Appendix E**

Kingsville Record and Bishop News

## Plugging abandoned wells: What you need to know

The Texas Department of Conservation and Regulation, which licenses water well drillers and well pump installers, urges well owners to plug any abandoned wells on their property to prevent pollution.

**Andy Garza**

*Kendall County Groundwater Conservation District*

Abandoned or deteriorated wells can contaminate groundwater by providing a direct conduit for chemicals and other surface contaminants, such as animal waste and pesticides, to directly enter aquifers. Unmapped wells also present a physical danger to animals and humans who can be severely injured or killed when they fall partially or completely into the well.

Landowners who are unsure whether there are abandoned wells on their property should look for plastic, steel, brick or concrete casing (pipe) that extends above ground, or for a hole in the ground with no apparent bottom. Some abandoned wells have concrete or brick casing extending above ground or a windmill with missing blades.

Landowners are responsible for abandoned or deteriorated wells on their property. If a well needs to be plugged, the owner must do so themselves in compliance with Title 16, Texas Administrative Code, Section 1901.255.

Landowners who are unsure whether there are abandoned wells on their property should look for plastic, steel, brick or concrete casing (pipe) that extends above ground, or for a hole in the ground with no apparent bottom. Some abandoned wells have concrete or brick casing extending above ground or a windmill with missing blades.

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## **Appendix F**

# Water for Texas



## **Appendix G**

# Water Level Measurements

## Kenedy GCD

8/5/2019

Prepared by Andy Garza

GCD #	Name	Property	Lat.	Long.	Depth (ft)	AGC (ft)	Date
519	Don Roberto	KR-Laureles	27.520383	-97.54233	46.9	1	7/16/2019
576	Ratones #2	"	27.50755	-97.462617	39	1.4	"
587	Telefon	"	27.469567	-97.697083	98.9	1.3	"
528	Las Flacas	"	27.4055	-97.692383	61.5	1.8	"
532	Guayacan	"	27.4575	-97.604667	66.3	0.8	"
583	Sordo	"	27.41885	-97.391617	60.1	1.3	"
89	Viboras	"	27.34355	-97.578283	28.9	1.2	"
34	Cola Blanca	KR-SG	27.592233	-97.882333	188.3	1.3	7/16/2019
39	Potero Chiquita	"	27.5736	-97.9389	202.7	1	"
26	Puertos	"	27.537183	-97.920667	173.2	0.9	"
52	Calera	"	27.50705	-97.952383	201	0.5	"
93	Laguna Larga	"	27.30935	-97.986333	103.7	1.8	"
98	Alta d/I Pita	"	27.317383	-97.90315	97.4	0.8	"
118	Tio Luis	"	27.258383	-97.863183	72.1	0.9	"
2	M-95	"	27.6335	-98.056683	171	1	"
46	R3	"	27.5346	-98.0977	158.1	1.3	"
90	Las Comas	"	27.339083	-98.017685	120.4	0.8	"
202	Capitan	LMBI	27.234533	-97.925267	70.9	1	7/15/2019
167	Monte Negro	"	27.162117	-97.971483	63.1	2	"
135	S. Vargas Cr.	"	26.779017	-98.190933	45.1	1.3	"

**Water Level Measurements  
Kenedy Co. GCD**

Prepared by Andy Garza

**8/5/2019**

<b>GCD #</b>	<b>Name</b>	<b>Property</b>	<b>Lat.</b>	<b>Long.</b>	<b>Depth (ft)</b>	<b>AGC (ft)</b>	<b>Date</b>
424	#8 Mill	KR-Encino	27.06105	-98.13617	37.1	1.4	7/29/2019
435	Escondido	"	26.9941	-98.13351	89.2	1.9	"
436	Flores	"	26.92538	-98.06162	45.4	0.8	"
460	Patron	"	26.98413	-97.9834	26.9	1.5	"
432	Republicano	Santa Fe Rch.	26.7971	-97.9718	28.8	1.5	7/15/2019
1022	Palomas	"	26.824883	-98.1468	51.5	1.3	"
984	Caesar	"	26.831283	-97.9415	18.5	2.4	"
1178	Marcellina	Rch. Alegre			4	1.6	3/1/2019
309	La Curva	KR-Norias	26.752167	-97.768967	14.5	1.8	7/18/2019
316	Euence	"	26.78555	-97.823067	6.9	1.8	"
320	Frijol	"	26.7478	-97.5563	18.1	1	"
319	La Fortuna	"	26.8349	-97.7228	0	1.3	"
345	Medio Million	"	26.6816	-97.9312	28.5	1.3	"
330	Horacio	"	26.6754	-97.57925	19.1	1.3	"
332	Hurraco	"	26.637233	-97.477783	13.2	3.8	"
1428	Mollie	Armstrong Rch	26.9596	-97.7362	11.8	2.4	7/26/2019
791	La Maleta	"	26.95339	-97.84195	12.9	2.3	"
1260	Armstrong #1	"	26.955883	-97.7973	17.1	1.9	"
939	Checkpoint	Border Patrol	27.017117	-97.793833	30.8	2.3	7/18/2019





## **Appendix H**

**Well Hydrostatic Levels  
Kenedy County GCD  
8/05/19 Prepared by: Andy Garza**

Well #	Name	S/11	W/12	S/12	W/13	S/13	W/14	S/14	W/15	S/15	W/16	S/16	W/17	S/17	W/18	S/18	W/19	S/19	Avg.
519(1)	Don Rob.	40.9	42.9	40.8	41.4	48	47.5	43.6	42.6	43.5	47.9	48	45	41.5	43.5	46.2	45.3	46.9	44.4
576(1)	Rats #2	38.5	34	41.6	34	43.9	41.7	41.8	34.7	35.6	42.5	34.4	40.6	34.2	37.3	40.3	38.1	39.0	38.4
587(1)	Telefon	105	102.2	103.8	104.7	107.3	106.2	108.2	105.3	101.9	107.7	105	102	104.6	101.6	101	84.8	98.9	102.9
528(1)	Las Flacas	60.7	63	63.6	64	68.2	64.4	65.2	58.1	60.6	59.8	60.1	58.2	60.8	58.6	58.6	59.2	61.5	61.4
532(1)	Guayacan	73.2	63	65.1	64.8	67.9	66.1	67.9	67.2	65.7	64.6	65.4	68.5	68.5	64.2	66	63.4	66.3	66.3
583(1)	Sordo	62.5	62.7	62.5	40.5	62.4	62.9	62.9	22.5	22.5	49.7		43.7		42.1		60.1		50.5
89(1)	Viboras	27.1	27.8	28.7	27.8	30.7	28.7	30.4	28.6	28.9	26.7	28.6	28.8	29.3	27.5	29.6	29.4	28.9	28.7
34(5)	Cola Bla.	203	201.7	207	197.7	211.2	194.3	200.7	196.2	188.5	188.9	193	192	194.9	194.4	195	192	188.3	196.4
39(5)	Pot. Chig.													199.2	197.0	198	198	202.7	199.0
26(5)	Puertos	174	175.3	178	182	184.6	177.8	177.2	176.2	172.6	171.5	173	173	176.4	176.0	178	173	173.2	176.0
52(2)	Calera	218	206.2	224.3	224.9	221.6	209	215.1	207.2	200.1	200.8	206	203	196.8	202.2	209	197	201.0	208.3
93(5)	Lag. Lar.	110	107.2	108.8	111.1	111.7	111.1	111.3	112.4	104.3	104.5	106	105	109.4	105.4	108	104	103.7	107.8
98(2)	Al.d/I Pita	96.8	102.7	102.1	100.2	106.5	106	105.4	97.7	94.3	93.9	94.6	94.1	95.3	97.7	98.7	94.8	97.4	98.7
118(2)	Tio Luis	66.6	74.7	77.1	72.9	76.8	75.9	76.8	71.8	69.2	67.9	68.6	67.7	71.3	70.5	71.4	68.9	72.1	71.8
2(5)	M-95	167	173.6	169.6	169.9	171.5	174	173.6	170.2	167.7	173.4	171	169	172.5	173.4	172	169.7	171.0	171.1
46(5)	R3							155.2	153.6	157.7	155.9	156	160	158	161.2	160	158.7		157.6
90(5)	L. Comas	117	119.6	123.6	114.4	125.6	130.9	124.6	122.6	117.2	117.4	118	127	126	130.7	128	120.8	120.4	122.6
202(2)	Capitan	74	74.4	75.6	73.8	78	72.8	78.1	71.9	68.3	69.2	71.6	67.3	68.5	68.6	72.2	68.7	70.9	72.0
167(2)	Mon. Neg.	62.9	63.8	62.6	65.8	71.9	63.1	64.8	62.2	61.7	58.9	64.6	59.1	61.6	63.3	62.5	62.1	63.1	63.2
135(3)	S. Var. Cr.	45.7	44	44.2	45.7	47.1	44.4	47.5	44.4	42.3	41.7	46.7	44.5	47.3	45.1	47.7	43	45.1	45.1
424(3)	#8 Mill	29.4	30.9	36.3	34.3	38.7	42.3	36.9	38.7	38.8	45	37.8	36.4	37	37.3	38.4	34.9	37.1	37.1
435(3)	Escon.	71.1	75.2	87	75.2	81.1	76.9	89.2	89.5	88	86.2	72.5	76.8	79	76.0	89.9	87.9	89.2	81.8
436(3)	Flores	44.5	44.9	50.3	44.9	51	52.3	52.3	48.4	48.7	51.7	47.5	48.4	49.6	50.3	51.6	47.4	45.4	48.8
460(3)	Patron	22.2	22.3	26.4	25.1	25.3	26.5	28.2	25.7	28.2	26.5	24.8	25.2	30.1	26.4	26.4	25.8	26.9	26.0

Well #	Name	S/2011	W/12	S/12	W/13	S/13	W/14	S/14	W/15	S/15	W/16	S/16	W/17	S/17	W/18	S/18	W/19	S/19	Avg.	
1025(3)	Repub.												27.7	28.8	28.5	29.4	29.9			28.9
1022(3)	Palomas	53.5	40.7	45.3	41.5	41.6	39.9	57.5	39.3	40.3	37.2	48.3	42.2	52.9	41	47.8	39	51.5		44.7
984(3)	Caesar	13.8	14.4	15.1	15.6	16	15.9	16.6	16.1	15.4	15.4	15.2	16.1	17.6	17.5	18.9	16	18.5		16.1
1178(4)	Marcell.											3.9	5.7	5.6	4.2		4			4.7
309(4)	La Curva	12.1	12.1	12.7	12.1	13.4	15.3	12.8	12.8	14.2	11.1	12.9	12.2	13	12.9	14.4	13.8	14.5		13.1
316(3)	Euence	4.2	4.5	4.3	4.5	6.1	5.5	5.7	5.7	5.7	3.8	5.3	4.4	4.9	6.1	4.3	5.2	6.9		5.1
320(4)	Frijol										16.4	19.6	26	12.9	10.2	11.3	17.6	18.1		16.5
319(4)	La Fortuna														0(+2)	0(+2)	0(+2)	0(+2)		0(+2)
345(3)	Med. Mill.					29.4	29.1	30.3	28.6	27.6	26.6	27.2	29.6	30.4	29.9	29.9	28.9	28.5		28.9
330(4)	Horacio	16.7	15	17.7	18.5	19.3	19.9	17.8	17.9	22.3	13.7	19	13.2	15.1	16.9	17.5	17.1	19.1		17.5
332(4)	Hurraco	15.2	11.3	12.5	11.3	13	12.8	13.3	13.7	11.6	10.8	12.4	12.6	12.6	13.9	13.8	13.4	13.2		12.8
791(3)	La Maleta	11.5	11.5	10.9	11.3	11.7	12.6	12.3	11.7	11.8	12.2	11.9	12.1	12.7	12.5	12.7	12.5	12.9		12.0
1428(3)	Mollie								10.8		12.2	13.8	12.6	11.6	12	11.8	11.6	11.8		12.0
1260(3)	Arms. #1	14.8	14.8	15.3	16.1	16.7	16.1	16.9	16.2	15.9	16	16.3	16.4	16.6	16.3	16.9	16.4	17.1		16.2
939(4)	Checkpt.	28.9	27.7	28.6	29.3	31.2	29.6	29.9	29.5	29.5	29.1	30	29.3	33.1	30	30.6	29.7	30.8		29.8
649(3)	Golon.	19.8	19.9	18.7	20.2	20.5	20.7	22.2	20.3	20.4	22.4	22.1	20.6	21.9	21.5	21.8	21.5	21.8		21.0
660(3)	La Drena	33.6	33.6	34.1	35.9	35.7	36.2	36.6	34.1	33.2	34.6	35.3	34.4	35.9	36.5	36	35.5	35.0		35.1
681(4)	Maranita	15.4	15.4	13.1	13.6	14.1	14.7	16.5	15.7	13.9	14.7	14.7	20.1	18.2	14.2	14.9	14.3	14.7		15.2
782(4)	Ygriega							15.3	9.2	13.1	16.3	4.9	5.1	5.1	9	5.6	5.1	6.2		8.6
843(1)	Palomas	43.9	44.2	45	46.8	49.1	46.1	44.1	47.2	44.2	46.5	45.7	47.1	46.5	46.5	46.3	43.4	46.7		45.8
855(1)	El Paistle	40	64.2	53.4	49.6	58.9	59.6	63	62.8	39.7	61.4	61.3	62	46	61.3	41.2	41.8	41.1		53.4
891(3)	Miffiin	36.5	36.8	39.5	35.6	35.4	34.2	35.2	34.2	33.4	32.9	34	34.5	34.4	33.9	34.3	35	34.3		34.9
842(1)	Carricitos	13.2	13.7	13.5	15.5	15.7	15.3	17.4	14.9	15.1	15	16	16.9	16.7	15	16.5	16	15.4		15.4
863(2)	La Perla	61.5	59.5	58.3	62.6	66.3	61.4	64.7	60.4	58.5	56.6	60.5	58.2	62	59	60.3	56.5	58.6		60.3
841(1)	Mes. Pen		30.7	30.6	30.6	31.9	32.6	34.7	33.7	32.1	32.3	31.9	33.8	33.7	33.7	32.1	34	32.7		32.6

Well#	Name	S/2011	W/12	S/12	W/13	S/13	W/14	S/14	W/15	S/15	W/16	S/16	W/17	S/17	W/18	S/18	W/19	S/19	Avg.
1456(1)	Sarita GP										43.4	40.3	45.5	42.3	39.6	42.5	39.9	41.0	41.8
1384(2)	Croc. HQ				67.1	68.9	66.3	67	65.8	65.8	63.7	64.6	66.6	64.5	60.3	65.9	65.1	65.5	65.5

S=Summer      DFC: average gain of 0.89 ft. from winter 2018 to winter 2019  
W=Winter      9 wells being monitored

## **Appendix I**

**Kenedy County Groundwater Conservation District**  
**Adopted 2019 Budget**  
**Sept. 14, 2018**

**Income:**

Ad Valorem Taxes	\$194,638.00
Interest Income	100.00
2017 Budget Surplus	5,912.00
<b>TOTAL INCOME:</b>	<b>\$200,650.00</b>

**Expenditures:**

***Professional Services:***

Manager	\$55,000.00
Audit	8,000.00
Appraisal District Allocations	5,500.00
Tax Office Commission	6,000.00
Legal	45,000.00
<b>Total Professional Services:</b>	<b>\$119,500.00</b>

***Operating Expenses:***

Accounting	800.00
Bank Charges	200.00
Computer/Software	5,000.00
Contingency	6,500.00
Management Plan/Rule Amendments	7,000.00
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	3,000.00
Office Supplies	3,500.00
Office Telephone	800.00
Postage	500.00
Public Education Brochure	1,000.00
Public Notices	1,500.00
Surety Bonds	1,000.00
Water Test/Lab	3,000.00
Website/Database	2,500.00
Well Monitoring	5,000.00
<b>Total Operational Expenses:</b>	<b>\$81,150.00</b>

**TOTAL EXPENSES: \$200,650.00**