

SUTTON COUNTY

**Underground Water
Conservation District**

ANNUAL REPORT 2021

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Purpose and Scope:

This Annual Report on the Sutton County Underground Water Conservation District's (District or SCUWCD) is on achieving its management goals and objectives for the year 2016. It is presented to the Board of Directors of the District (the Board) in accordance with the District's Management Plan (Methodology for Tracking Progress, pg. 18). Texas Water Code, Chapter 36.1071. The original Management Plan for the District was adopted in 2004. It has been amended and readopted, every five years, November 12, 2019 is the latest revision.

The Sutton County Underground Water Conservation District (the District) was created by the 69th Texas Legislature (1985) under the authority of Section 59, Article XVI, of the Texas Constitution, and in accordance with Chapter 51 and 52 of the Texas Water Code. Note, in 1995, by Acts of the 74th Legislature, Chapter 52 of the Texas Water Code was repealed and replaced with Chapter 36 of the Texas Water Code effective September 1, 1995. The District, a local government agency, provides for the conservation, preservation, protection, recharge and prevention of waste of the underground water reservoir, Edwards-Trinity (Plateau) Aquifer, located under the District; by consistently adhering to Chapter 36 of the Texas Water Code (TWC). The District conducts administrative and technical activities and programs to achieve these purposes by collecting, archiving and analyzing water well and aquifer data. It regulates water well drilling and production of permitted, non-exempt wells, promoting the capping or plugging of abandoned wells. The District also provides information and educational material to local property owners, interacting with other governmental or organizational entities, and undertaking other groundwater-related activities that may help meet the purposes of the District. The District also strives to maintain groundwater ownership and rights of the landowners as provided in the TWC §36.002.

District Board Meetings:

DATE:	TYPE:
January 12, 2021	Board Meeting
February 9, 2021	Board Meeting
April 13, 2021	Board Meeting & Public Hearing
May 11, 2021	Board Meeting
July 13, 2021	Board Meeting
August 10, 2021	Board Meeting & Public Hearing
September 14, 2021	Board Meeting & Public Hearing
October 12, 2021	Board Meeting
December 14, 2021	Board Meeting

Requirements of District Management Plan:

Goal 1.0 – Provide for the Efficient Use of Groundwater (36.1071(a)(1))

1.1 – The Board of Directors will receive quarterly briefings by the General Manager regarding the District’s well registration program new wells. The registration data will also be included in the Annual Report to the Board of Directors.

DATE:	Type:	PURPOSE:
January 12, 2021	Board Meeting	Quarterly Well Registration Report
April 13, 2021	Board Meeting	Quarterly Well Registration Report
July 13, 2021	Board Meeting	Quarterly Well Registration Report
October 12, 2021	Board Meeting	Quarterly Well Registration Report

Goal 2.0 - Control and Prevent Waste of Groundwater (36.1071(a)(2))

2.1 – The District will annually provide at least one printed publication, and one public speaking event to provide educational leadership on eliminating and reducing wasteful practices in the use of groundwater.

DATE:	Type:	PURPOSE:
November 11, 2021	Devil’s River News Article	It is time to Winterize Your Water Well
November 18, 2021	Educational speaking Event	4 th Grade Water Fair – Aquifer Model with Pump Simulations (water quality & well interference)

2.2 – The District will minimize the potential contamination of groundwater by monitoring the spacing and completion of wells. All new registered wells drilled within the District will be in accordance with District Spacing Rules, and maintain information on registered wells to be reported quarterly at regular Board Meetings.

See Table 1.1

Goal 3.0 – Addressing Natural Resource Issues (36.1071(a)(5))

3.1 – The District will measure monthly wells within the water level monitoring network through steel tape, and electronic sensors. The District will report at least quarterly to the Board of Directors the measurement of water levels from at least 20 wells monitored in the District’s water level monitoring network. The water level report will also be included in the District’s Annual Report.

DATE:	Type:	PURPOSE:
January 12, 2021	Board Meeting	Water Level Monitoring Report
April 13, 2021	Board Meeting	Water Level Monitoring Report
July 13, 2021	Board Meeting	Water Level Monitoring Report
October 12, 2021	Board Meeting	Water Level Monitoring Report

OWNER	WELL #	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep1	Oct	Nov	Dec	Diff
Archer	55-29-810	272.40	-	273.4	-	-	273.15	274.7	-	274.7	-	-	276.1	-3.7
Teaff	55-27-616	252.09	276.9	275.73	277.2	276.65	276.29	276.7	276.53	276.43	276.33	276.92	276.6	-24.5
Crites	55-27-622	156.10	-	157.2	159.90	158.8	159.30	160.1	-	-	162.2	162.3	-	-6.2
Ray Irrigation	55-42-502	219.40	-	230.7	231.02	230.73	230.07	230.7	230.51	230.38	230.5	230.83	230.9	-11.5
Shurley	55-35-210	155.30	-	150.7	157.70	-	151.50	157.5	-	152.3	152.4	152.8	-	2.5
TXDOT/Juno Hwy	55-43-205	201.40	201.0	201.53	201.14	201.00	200.96	201.1	201.5	200.8	201.3	201.1	201.9	-0.5
Whitehead	55-25-902	133.30	-	133.0	133.00	-	141.6	141.8	146.4	-	134.6	133.6	133.5	-0.2
Hospital Ranch	55-25-406	242.45	241.8	241.28	259.54	259.32	259.33	259.7	259.5	259.2	258.7	259.2	259.0	-16.6
Brockman	55-45-305	261.82	262.1	269.16	263.06	263.36	263.65	263.9	269.0	264.5	264.8	265.0	269.2	-7.4
Glen Fisher	55-28-302	279.54	238.8	240.36	238.90	240.83	240.58	240.5	240.5	240.2	239.1	240.4	240.3	39.2
Julie Walther	55-20-904	219.20	-	219.1	-	-	224.8	220.1	-	220.5	220.6	220.9	221.0	-1.8
Jones, Claire	55-27-909	-	147.1	146.67	146.33	145.91	145.55	145.05	145.1	144.4	143.8	143.8	143.3	3.8
TXDOT/MMR	55-18-715	-	144.1	143.84	143.87	143.97	144.04	144	144.0	143.7	143.9	143.7	143.5	0.6
Hardgrave	55-30-504	152.10	-	153.6	-	-	151.55	-	-	155.0	153.7	153.8	154.5	-2.4
Ross (Camp)	55-38-405	264.27	263.3	264.81	264.76	265.22	264.41	265.4	265.2	265.3	265.5	265.6	265.8	-1.5
TXDOT/427	55-39-406	-	144.1	156.69	-	136.67	136.61	-	154.9	154.7	154.7	154.8	154.7	-10.6
Highmount	55-27-223	312.06	312.0	312.42	312.19	312.23	312.39	312.6	312.1	312.4	312.5	311.4	312.3	-0.2
Fisher-Fawcett	55-26-905	275.89	275.4	276.13	276.04	275.44	275.24	276.2	275.4	275.7	275.4	275.4	275.4	0.5
City Well #3	55-27-603	287.22	287.9	288.91	289.94	291.00	291.02	291.5	291.7	292.5	292.6	292.0	-	-4.8
SUTUWCD DCW	55-27-322	157.80	158.3	159.09	160.09	160.86	161.24	161.7	161.9	162.4	162.6	162.9	163.0	-5.2
A&M Station	N/A											268.8	268.83	0.0

*measurements in feet below ground level

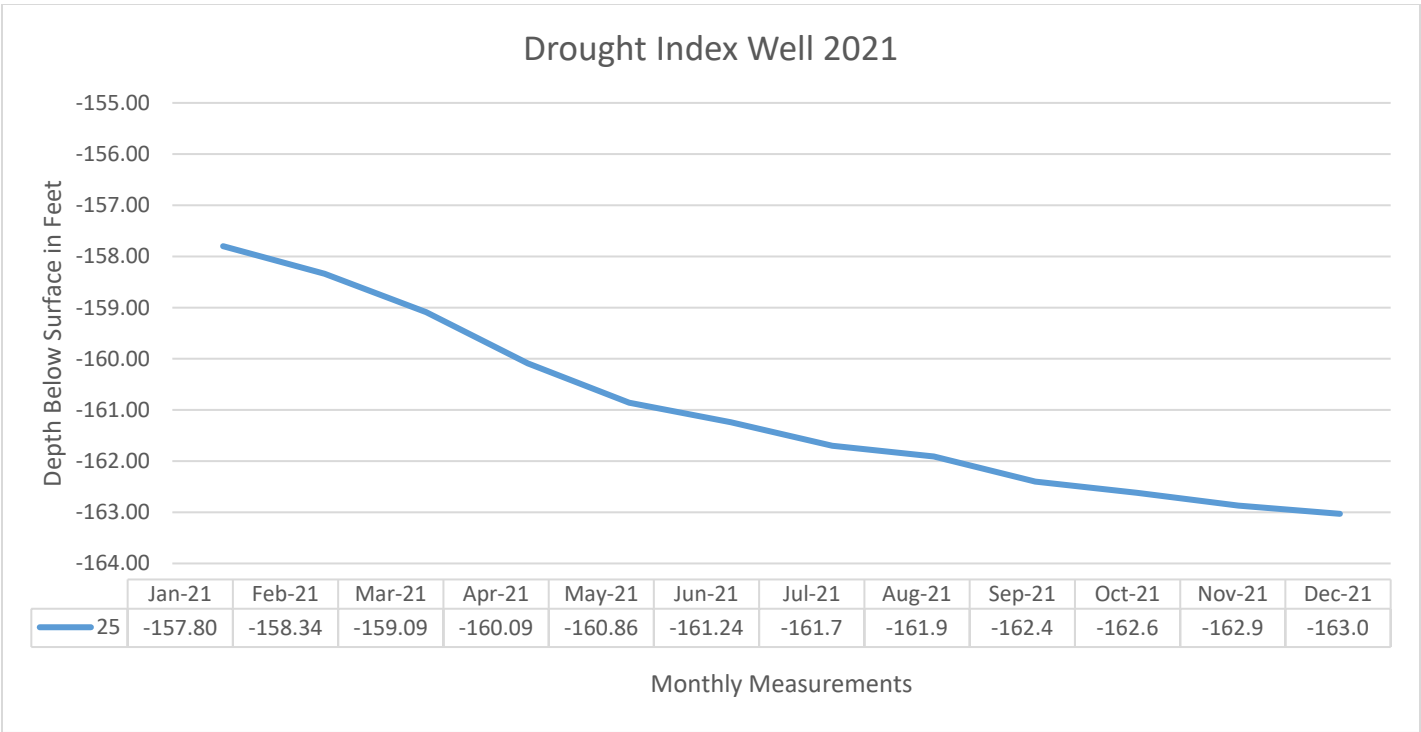
**The 'dif' column is the difference in the January measurement from the October measurement.

Goal 4.0 – Drought Conditions (36.1071(a)(6))

4.1 – The District has an approved Drought Contingency Plan compliant with TCEQ standards, it also has a drought index well with trigger levels. The Drought Contingency Plan can be found on the Districts website here: <http://www.suttoncountywcd.org/drought-contingency-plan>.

4.2 – The District will measure its drought index well at least quarterly to monitor drought conditions in Sutton County.

For 2021, the District experienced D1 drought -Moderate and D0 – Abnormally Dry conditions.



Goal 5.0 – Addressing Conservation & Precipitation Enhancement (36.1071(a)(7))

5.1 – The District will maintain a district-wide rainfall event network using voluntary monitors and automatic digital rainfall collectors to help evaluate recharge. The District will report at least quarterly to the Board of Directors rainfall totals collected from at least 20 of the automated rain gauges around the county and ten Stratus Professional rain gauge (Model RG202) located throughout Sonora, TX in the rainfall monitoring network.

DATE:	Type:	PURPOSE:
January 12, 2021	Board Meeting	Water Level Monitoring Report
April 13, 2021	Board Meeting	Water Level Monitoring Report
July 13, 2021	Board Meeting	Water Level Monitoring Report
October 12, 2021	Board Meeting	Water Level Monitoring Report

The total average rainfall for 2021 was 12 inches, with the manual rain gauges in town showing the highest total of 16.04 inches, and the western portion of Sutton County showing half that at 8.1 inches. The 4th quarter was the worst performing quarter, with a total average of 1.25 inches. These below average rainfall totals are pointing to drought for 2022.

2021 Rainfall Totals



5.2 – The District will provide the West Texas Weather Modification Association Annual Report to the Board of Directors

The 2021 Annual Report from the West Texas Weather Modification Association can be found on their website at wtwma.com/analysis_and_research.htm and in the District’s files.

5.3 – The District will Promote public awareness of the need for water conservation. Present a minimum of one public water conservation show, demonstration, event, or educational talk each year.

DATE:	Type:	PURPOSE:
November 18, 2021	Educational speaking Event	4 th Grade Water Fair – Aquifer Model with Pump Simulations (water quality & well interference)

Goal 6.0 – Addressing in a Quantitative Manner the Desired Future Conditions (DFC) of the Groundwater Resources (36.1071(a)(8))

The District covers part of the Edwards-Trinity (Plateau) Aquifer and is within Groundwater Management Area (GMA) 7. The Edwards-Trinity (Plateau) Aquifer is the largest aquifer not subdivided into multiple GMAs. For Sutton County UWCD, drawdown is not to exceed an average of six (6) feet.

6.1 - The Drought Contingency Plan, Drought Index Well and all the monitoring network data will be analyzed and reported in the District’s Annual Report.

Groundwater Management Area 7:

Groundwater Management Area 7: Meetings

DATE:	LOCATION:	PURPOSE:
January 21, 2021	Sonora, Texas	Joint Planning
March 18, 2021	Sonora, Texas	Joint Planning
August 19, 2021	Sonora, Texas	Joint Planning
October 21, 2021	Sonora, Texas	Joint Planning

Groundwater Management Area 7: Desired Future Conditions (DFC)

The District shall participate in the joint planning process in Groundwater Management Area (GMA) 7 as defined per TWC § 36.108, including establishment of Desired Future Conditions (DFCs) for management areas within the District. In its evaluation of potential DFCs, the District shall consider results from groundwater availability models, scientific reports, and the conditions of the aquifer.

Edwards-Trinity (Plateau)/ Pecos Valley Alluvium Aquifers:

Total net drawdown not to exceed an average of eight (8) feet in 2070, as compared with 2010 aquifer levels, with specific county drawdowns as follows:

COUNTY	GCD	DROWDOWN (feet)
Coke	Coke County UWCD	0
Crockett	Crockett County GCD	10
Ector	-	8
Edwards	Real-Edwards C&RD	2
Gillespie	Hill Country UWCD	5
Glasscock	Glasscock GCD	40
Irion	Irion County WCD	10
Kimble	Kimble County GCD	1
Menard	Menard County UWD	1
Midland	-	12
Pecos	Middle Pecos GCD	12
Reagan	Santa Rita UWCD	42
Real	Real-Edwards C&RD	4
Schleicher	Plateau UC&SCD	8
Sterling	Sterling County UWCD	7
Sutton	Sutton County UWCD	6
Taylor	-	0
Terrell	Terrell County UWCD	2
Upton	-	16
Uvalde	Uvalde County UWCD	2

Registrations Issued for 2021 Year:

Date	Use	Owner Name	Well Address	Depth (ft.)	Drilling Company	Tracking Number
12/30/2021	Stock	3 J Bond Ranch LLC	Bond Rd, Sonora, 76950	360	Abel Water Systems	598437
12/14/2021	Domestic	Robney T. Murr	FM 1674 down KC22 down dirt rd 1 mile to gate 7890 then second gate go 1 mile to house., Sonora, Texas, 76849	285	Allison Well Service	594917
12/6/2021	Domestic	1802 Holdings Management LP	Co. Rd. 314- to gate black low fence then down fence to pink, Junction, Texas, 76849	370	Allison Well Service	593699
12/10/2021	Stock	Charles Miller	From 864 go north 1 mile on east side of road on Hwy 2596, Sonora, Texas, 76849	380	Allison Well Service	593477
12/7/2021	Domestic	Todd Raumaker	From the intersection of I-10 & CR 108 go North 1.5 miles then turn through green gate and go North .1 miles to location, Sonora,	415	OZONA WATER WELL SERVICE INC	591939
11/15/2021	Stock	Malone Ranch	Ranch Rd. 1691, 6.5 Miles South-East of Sonora, Sonora, 76950	385	Abel Water Systems	591021
11/24/2021	Domestic	Dodd and Amy Foreman	CR 215 North of Roosevelt 10 miles, Sonora, 76950	162	Abel Water Systems	590862
9/6/2021	Domestic	ANDREW PFAFF	11.3 MILES EAST OF HWY 277, SONORA,	360	LANGE DRILLING CO	589170
9/2/2021	Domestic	BARRY SIMMONS	PR 1102, SONORA,	400	LANGE DRILLING CO	589168
3/29/2021	Stock	J & N Ranch Holdings	Bond Road, Sonora, 76950	405	Abel Water Systems	588905
9/15/2021	Stock	Ryan Haeker	4200 PR 3377, Sonora, 76950	325	Abel Water Systems	585339
6/21/2021	Domestic	DAVID COUCH	PR 1101, SONORA,	340	LANGE DRILLING CO	584237
7/12/2021	Stock	MJTT Properties LLC	From the intersection of HWY 864 & I-10 go North 16 miles the go left and take Private Rd 2261 2.4 miles then go left on ranch Rd0.9 miles then take another left and go 0.6 miles to well location, Sonora, 76950	610	OZONA WATER WELL SERVICE INC	579159

4/1/2021	Domestic	Redsnake Ranch LLC/Spencer Cochran	5 miles north from I-10 on baker rd across cattle guard then turn left go up hill 500 yds, Sonora, Texas, 76849	265	Allison Well Service	575122
4/2/2021	Domestic	Russell & Angel Noah	6 miles down Baker Rd. on west side orange ribbons in the center of road 150 yards from pavement past open clearing., Sonora, Texas, 76849	220	Allison Well Service	575121
3/26/2021	Stock	Peter Bollenbecker	7474 SCR 314 Down County Road 314 at Angel Rock Gate go thru gate and turn left on first road., Sonora, Texas, 76849	390	Allison Well Service	575120
4/5/2021	Domestic	FRANCISCO SALAZAR	1201 SAVELL ST, SONORA, 76950	315	woehl drilling no2	570600

Permits Issued for 2021 Year:

DATE DRILLED:	TYPE:	OWNER:	DEPTH:	DRILLER:	TRACKING:
08/31/2021	Domestic	Brian & Brandy Jarvis	400	Lange Drilling Co.	589167

Financial Reports and Annual Financial Audit:

Financial reports are given at each meeting of the District's Board of Directors. The Financial Audit of the District for FY 2019 - 2020 was presented to the Board at the September 14, 2021, Board meeting and was approved at that Board Meeting.