

BRAZOS VALLEY GROUNDWATER CONSERVATION DISTRICT

Brazos County Commissioner's Court 2022 Annual Report

May 2, 2023



Brazos Valley
GROUNDWATER CONSERVATION DISTRICT

2022 – Permitted Wells

30 Non-exempts wells permitted

- Agricultural – 10 (747.23 ac-ft)
- Industrial – 7 (651.00 ac-ft)
- Public Water Supply - 13 (34,516.00 ac-ft)

Total New Non-exempt permitted (ac-ft)

35,914.23 ac-ft



2022 – Permitted by Aquifer

- **Brazos River Alluvium – 536.58 ac-ft**
- **Hooper – 0.00 ac-ft**
- **Simsboro – 35,222.65 ac-ft**
- **Calvert Bluff – 0.00 ac-ft**
- **Carrizo – 100.00 ac-ft**
- **Queen City – 399.00 ac-ft**
- **Sparta – 0.00 ac-ft**
- **Yegua-Jackson – 55.00 ac-ft**



2022 – Metered Production by Aquifer

- **Brazos River Alluvium – 30.20 ac-ft**
- **Hooper – 1,044.94 ac-ft**
- **Simsboro – 58,313.28 ac-ft**
- **Calvert Bluff – 250.82 ac-ft**
- **Carrizo – 1,575.09 ac-ft**
- **Queen City – 92.83 ac-ft**
- **Sparta – 4,308.08 ac-ft**
- **Yegua-Jackson – 1,260.70 ac-ft**



2022 – Metered Production by Category

- **Agricultural – 8,968.94 ac-ft**
- **Municipal – 43,898.59 ac-ft**
- **RPWS – 5,228.29 ac-ft**
- **Industrial/Commercial – 2,898.22 ac-ft**
- **Steam Electric – 5,881.92 ac-ft**



2022 – Fees Generated by Category

- **Agricultural (permit annual) – \$17,720.86**
- **Agricultural (metered) – \$1,681.68**
- **Municipal – \$661,578.40**
- **RPWS – \$78,793.50**
- **Industrial/Commercial – \$43,677.93**
- **Steam Electric – \$1,729.87**
- **Transport - \$0.00**

Total Fees to be Collected for 2022 – \$805,182.24



2022 – Exempt Wells Registered

- **Exempt Wells**
 - **Domestic/Livestock (Brazos) – 203**
 - **Domestic/Livestock (Robertson) – 344**
 - **Oil/Gas (Rig Supply) – 37**

Total Exempt Wells Registered in 2022 - 631



All Wells by Category (as of 12-31-22)

- Exempt (Domestic, Livestock, Other) – 4,379
- Oil/Gas (Rig Supply) – 1,244
- Historic Use – 620
- Drilling/Operating – 403

Total – All Wells Registered or Permitted – 6,646



GMA DFC Planning Process

- **Adopted final DFCs – November 30, 2021**
- **Developed DFC Explanatory Report – Dec. & Jan. 2021**
- **Adopt Explanatory Report – January 28, 2022**
- **Received Letter of Administrative Completeness from Texas Water Development Board – July 1, 2022**
- **BVGCD Board of Directors adopted DFCs relevant to the District – August 10, 2022**

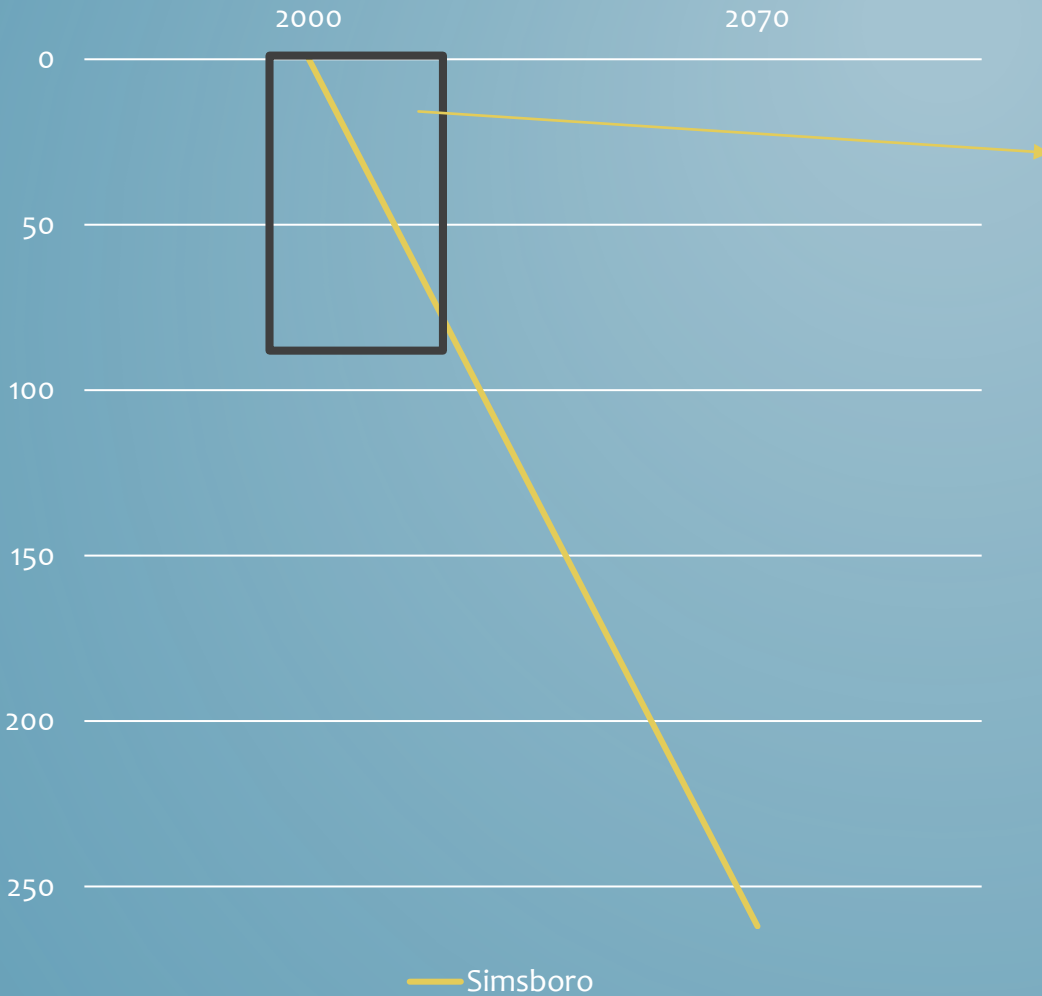


Compliance with Desired Future Conditions - 2022

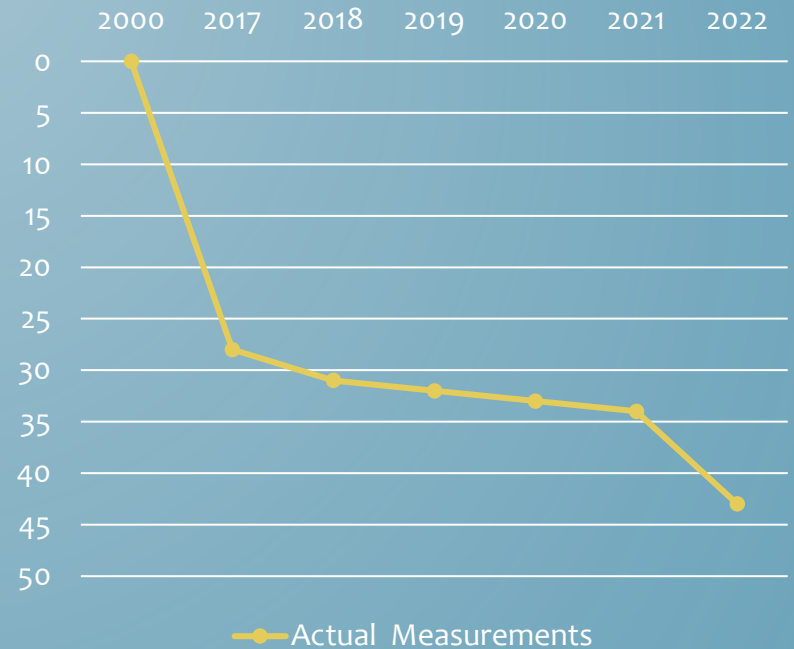
Aquifer	DFCs ft drawdown (2000-2070)	Artesian Head Decline (2000-2070)
HOOPER	167'	6'
SIMSBORO	262'	43'
CALVERT BLUFF	111'	No change
CARRIZO	84'	11'
QUEEN CITY	44'	No Change
SPARTA	53'	12'
YEGUA-JACKSON	67'	+8'



DFC Modeled



Actual Measurements



Monitoring Well Network

- 195 monitoring wells
- Wells by Aquifer
 - BRAA – 24
 - Hooper – 19
 - Simsboro – 66
 - Calvert Bluff – 23
 - Carrizo – 17
 - Queen City – 15
 - Sparta – 22
 - Yegua – Jackson – 9

Measurements Obtained during 2022 – 460



Brazos Valley
GROUNDWATER CONSERVATION DISTRICT

Fee Structure – 2022

- **Public Water Supply – \$0.04625/1000 gallons produced**
- **Agricultural Use – \$0.1875/ac-ft produced or permitted**
- **Industrial/Commercial – \$0.04625/1000 gallons produced**
- **Steam Electric – \$0.2941/ac-ft produced**
- **Export – \$0.17/1000 gallons produced minus the applicable water production fee**



Education

- Taught in-person (Fall 2022)
- 4,900 students exposed to the District water presentations/water quality labs
- Robertson Co. Water Field Day – Rescheduled May 2023
- Brazos Co. Water Field Day – Rescheduled May 2023
- BCS Home & Garden Show – February 2022
- Tri-County Crops Meeting – January 2022



District Management Plan

- A complete update of the plan including the current District DFCs is due to the TWDB no later than November 30, 2023.



UW Brazos Valley Farm LLC – Transport Permit

- Production permits (49,999 ac-ft/yr) issued 10-20-22
- Transport permit (49,999 ac-ft/yr) issued 3-9-23
- UWBVF funds the mitigation of affected wells
- Administered by BVGCD
- \$7.5 M available for proactive mitigation beginning two years prior to transport exceeding 10,000 ac-ft/yr
- Mitigation fund will be self sufficient once export fees of \$0.12375/1000 gallons produced

