

Annual Report for FY2023

Calhoun County Groundwater Conservation District

Revised: July 22, 2024

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Section 1 - Management Plan

The Board of Directors of the Calhoun County Groundwater Conservation District adopted a revised management plan on April 24, 2023. A copy of the plan is located on the website of the district at the following web address: <https://www.calhouncountygcd.org/groundwater-policy>.

Link: [Management Plans - Adopted - 20230424](#).

The management plan specifies the method for tracking progress in achieving the goals of the district. The management plans specifies that the staff of the district will prepare and present an annual report to the board of directors regarding the performance of the district in achieving management goals and objectives for each fiscal year. The report will be presented within 180 days following the completion of each fiscal year.

The management plan establishes the goals, objectives, and performance standards by which the district evaluates performance. Goals related to providing the most efficient use of groundwater, controlling and preventing waste of groundwater, addressing conjunctive surface water management issues, addressing natural resource issues, addressing drought conditions, addressing conservation, and addressing the desired future conditions were established by the board of directors.

Below is a list of management goals, programs, projects, and the assessment of the performance of the district during the fiscal year. The assessment of performance by the district relies upon the evaluation of the associated projects established for the fiscal year and the resulting records and data developed through those projects and tasks.

Section 2 - Review of Management Plan Goals and Assessment of Achievement

Based on the review of each management plan goal and associated performance standards, the district fully or partially achieved the objectives established within the management plan of the district during the fiscal year ending September 30, 2023.

Management Plan Goal 1 - Providing the Most Efficient Use of Groundwater - FY2023

Goal 1: Providing the most efficient use of groundwater.

Objective 1: Develop and maintain a program for processing permitting requests submitted to the district and tracking well registrations and permits issued by the district authorizing groundwater production during the fiscal year.

Performance Standard: The district will summarize within the annual report 1) the status of pending permitting requests, 2) the number of wells registered by the district, and 3) the volume of groundwater authorized to be produced under production permits issued by the district, as of the last day of the preceding fiscal year.

Related Programs:

1. [Program - PRG-3000 - Groundwater Management - FY2023](#)

Related Projects:

1. [Project - PRJ-20233100.01 - Well Registration Processing for FY2023](#)
2. [Project - PRJ-20233100.02 - Production Permit Renewal Processing for FY2023](#)
3. [Project - PRJ-20233100.03 - Permit Processing for FY2023](#)
4. [Project - PRJ-20233100.04 - Groundwater Production Report Processing for CY2022](#)
5. [Project - PRJ-20233100.05 - Manage Investigations related to Permitting Violations for FY2023](#)
6. [Project - PRJ-20233100.06 - Manage Enforcement Cases related to Permitting Violations for FY2023](#)

Discussion of Information relevant to Assessing the Performance

Summary of Permitting Requests by Status:

The district received 1 production permit renewal request (ARPs) and initiated 40 permitting request cases (PRCs) during the fiscal year.

The district had 11 permitting request cases pending at the end of the fiscal year.

Summary of Wells Registered by the District:

The district received 38 well registration applications (ARWs) and 21 Notices of Intent to Drill a Well (NIDWs) during the fiscal year.

Summary of Authorized Groundwater Production:

Based on a review of the database registry of production permit areas, 50 production permits issued by the district were active with a cumulative authorization of groundwater production totaling 7,814 acre-feet per year.

Assessment of Achievement

Achievement Level of the Objective for the Fiscal Year: **FULL**

Supporting Information - Goal 1

List of Applications to Renew a Production Permit received in the fiscal year

Record Search Syntax: (intitle:20230* OR intitle:20221*) AND intitle:GMA intitle:ARP -intitle:PRC

Record Search Results: 1 Record

1. [ARP-20230510-01 - OPW-20190513-01 - 118 Trinity Shores Dr LLC](#)

List of Permitting Request Cases initiated in the fiscal year

Record Search Syntax: (intitle:20230* OR intitle:20221*) AND intitle:GMA intitle:PRC

Record Search Results: 40 Records

1. [PRC-20221003-01 - ARW-20220930-05 - Everett O. Ruddick](#)
2. [PRC-20221003-02 - ARW-20220930-06 - Devian Cantu](#)
3. [PRC-20221003-03 - ARW-20221003-01 - Edgeofit Development, LLC and Jerald R. Edgett](#)
4. [PRC-20221003-04 - ARW-20221003-02 - Richard Williams](#)
5. [PRC-20221003-05 - ARW-20221003-03 - Brian Scott Gonzales](#)
6. [PRC-20221003-06 - ARW-20221003-04 - Jeffrey L. Maresh](#)
7. [PRC-20221003-07 - ARW-20221003-05 - Lorrie Phillips](#)
8. [PRC-20221007-01 - ARW-20221005-01 - B. Wayne Woodard](#)
9. [PRC-20221007-02 - ARW-20221005-02 - Cyrus T. Rogers](#)
10. [PRC-20221007-03 - ARW-20221005-03 - Cinco Communications, LLC](#)
11. [PRC-20221007-04 - ARW-20221005-04 - John M. Bees](#)
12. [PRC-20221007-05 - ARW-20221005-05 - Clark Builders](#)
13. [PRC-20221010-01 - ARW-20221010-01 - Kevin D. Sprague](#)
14. [PRC-20221010-02 - ARW-20221010-02 - Santanna Rowe Ayres](#)
15. [PRC-20221010-03 - ARW-20221010-03 - David E. Emery](#)
16. [PRC-20221010-04 - ARW-20221010-04 - Mark Daniel](#)
17. [PRC-20221010-05 - ARW-20221010-05 - Shanna L. Louis](#)
18. [PRC-20221012-01 - ARW-20221011-01 - William T. Mauldin](#)
19. [PRC-20221012-02 - ARW-20221011-02 - Edward R. Power](#)
20. [PRC-20221012-03 - ARW-20221012-01 - John Daniel](#)
21. [PRC-20221012-04 - ARW-20221012-02 - Melissa L. Gray](#)
22. [PRC-20221012-05 - ARW-20221012-03 - Rita J. Randall](#)
23. [PRC-20221012-06 - ARW-20221012-04 - Jeff R. Randall](#)
24. [PRC-20221014-01 - ARW-20221014-01 - Leticia Poindexter](#)
25. [PRC-20221019-01 - ARW-20221019-01 - Richard F. Dudley and Donna Dudley](#)
26. [PRC-20221102-01 - ARW-20221102-01 - Kenneth L. Cooley](#)
27. [PRC-20221109-01 - ADW-20221107-01 - David Solis](#)
28. [PRC-20221209-01 - ADW-20221209-01 - Bradley J. Morris](#)
29. [PRC-20221215-01 - ADW-20221202-01 - Michelle Tyson](#)
30. [PRC-20221230-01 - ADW-20221230-01 - Jeannie M. Eure](#)
31. [PRC-20230315-01 - AVHUW-20230131-01 - Harold Green - Port Alto HOA District 1](#)
32. [PRC-20230315-02 - AVHUW-20230131-02 - Harold Green - Port Alto HOA District 1](#)
33. [PRC-20230315-03 - AVHUW-20230208-01 - Jesse Wood - Farmers Transport - Sunilanding Utilities](#)
34. [PRC-20230512-01 - AVHUWF-20230512-01 - Harold Green - Port Alto HOA District 1](#)
35. [PRC-20230621-01 - ANHUPPW-20230209-01 - El Campo Beach POA](#)
36. [PRC-20230626-01 - AVHUWF-20230621-01 - Port Alto WSC](#)
37. [PRC-20230721-01 - ARP-20230510-01 - Trinity Shores Dr. LLC.](#)
38. [PRC-20230921-01 - AVHUWS-20230915-01 - City of Seadrift](#)
39. [PRC-20230921-02 - ANHUPPW-20230616-01 - Justin Boyd](#)
40. [PRC-20230921-03 - ANHUPPW-20230915-01 - Port Alto Investments](#)

List of Pending Permitting Cases as of the end of the fiscal year

Record Search Syntax: intitle:GMA intitle:PRC intitle:pending

Record Search Results: 11 Records

1. [PRC-20191126-01 - ADW-20191126-01/03/AOW-20191126-02/04 - LaSalle WCID # 1A - Pending](#)
2. [PRC-20200310-02 - ADW-20200207-01/03/05/07/AOW-20200207-02/04/06/08 - Alan Roberts, Roberts Ranch and Investments- Pending](#)
3. [PRC-20200401-01 - ADW-20200401-01/03/05/07/AOW-20200401-02/04/06/08 - Trull Service - Pending](#)
4. [PRC-20200710-01 - ADW-20200707-01/03/05/ AOW-2020070702/04/06 - Monterrey Cove, LLC - Pending](#)
5. [PRC-20201228-01 - ADW-20201218-01/AOW-20201218-02 - Justin B. Boyd - Pending](#)
6. [PRC-20210416-02 - ADW-20210412-02/04-AOW-20210412-03/05- ARW-20210416-01- 03 - Son Thanh Nguyen/Brandon Nam Van Nguyen - Pending](#)
7. [PRC-20210617-02 - ADW-20210518-01/AOW-20210518-01 - R2 Investments, LLC - Pending](#)
8. [PRC-20210701-01 - ADW-20210526-01/AOW-20210526-02 - Mark Dietzel/Big Bear Shrimp and Seafood - Pending](#)
9. [PRC-20210713-01 - ADW-20210713-01/AOW-20210713-02 - Antonio Santos - Pending](#)
10. [PRC-20220317-02 - ADW-20220308-01/AOW-20220314-01 - D and T River Properties LLC - Pending](#)
11. [PRC-20230921-02 - ANHUPPW-20230616-01 - Justin Boyd - Pending](#)

List of Applications to Register a Well received in the fiscal year

Record Search Syntax: (intitle:20230* OR intitle:20221*) AND intitle:GMA intitle:ARW -intitle:YYYYMMDD -intitle:PRC

Record Search Results: 38 Records

1. [ARW-20221003-01 - Edgeofit Development, LLC and Jerald R. Edgett - WL-20220516-33](#)
2. [ARW-20221003-02 - Richard Williams - WL-20220516-35](#)
3. [ARW-20221003-03 - Brian Scott Gonzales - WL-20220516-36](#)
4. [ARW-20221003-04 - Jeffrey L. Maresh - WL-20220516-37](#)
5. [ARW-20221003-05 - Lorrie Phillips - WL-20220516-38](#)
6. [ARW-20221005-01 - B. Wayne Woodard - WL-20220516-39](#)
7. [ARW-20221005-02 - Cyrus T. Rogers - WL-20220516-40](#)
8. [ARW-20221005-03 - Cinco Communications, LLC - WL-20220516-43](#)
9. [ARW-20221005-04 - John M. Bees - WL-20220516-44](#)
10. [ARW-20221005-05 - Clark Builders - WL-20220516-45](#)
11. [ARW-20221010-01 - Kevin D. Sprague - WL-20220824-01](#)
12. [ARW-20221010-02 - Santanna Rowe Ayres - WL-20220824-02](#)
13. [ARW-20221010-03 - David E. Emery - WL-20220824-03](#)
14. [ARW-20221010-04 - Mark Daniel - WL-20220824-06](#)
15. [ARW-20221010-05 - Shanna L. Louis - WL-20220824-08](#)
16. [ARW-20221011-01 - William T. Mauldin - WL-20220824-12](#)
17. [ARW-20221011-02 - Edward R. Power - WL-20220824-14](#)
18. [ARW-20221012-01 - John Daniel - WL-20220824-15](#)
19. [ARW-20221012-02 - Melissa L. Gray - WL-20220824-16](#)
20. [ARW-20221012-03 - Rita J. Randall - WL-20220920-01](#)
21. [ARW-20221012-04 - Jeff R. Randall - WL-20220920-02](#)
22. [ARW-20221014-01 - Leticia Poindexter - WL-20220331-01](#)
23. [ARW-20221019-01 - Richard F. Dudley and Donna Dudley - WL-20221017-01](#)
24. [ARW-20221102-01 - Kenneth L. Cooley - WL-20221102-01](#)
25. [ARW-20230125-01 - Russell Pagel](#)
26. [ARW-20230223-01 - Ross Russell](#)
27. [ARW-20230330-01 - Harold Green](#)

28. [ARW-20230330-02 - Harold Green](#)
29. [ARW-20230405-01 - Lowel Raun](#)
30. [ARW-20230405-03 - R and R RV Resort- Administratively Complete](#)
31. [ARW-20230418-01 - Ingram Readymix](#)
32. [ARW-20230418-02 - Nick Capparelli](#)
33. [ARW-20230629-01 - Jesse Woods](#)
34. [ARW-20230630-01 - Matthew Benner](#)
35. [ARW-20230915-01 - Pleze Short](#)
36. [ARW-20230915-02 - Port Alto Investments](#)
37. [ARWF-20230626-01 - Port Alto WSC](#)
38. [ARWS-20230915-03 - ARWS-20230915-04 - ARWS - 20230915-05 - City of Seadrift](#)

List of Notices of Intent to Drill a Well received in the fiscal year

Record Search Syntax: (intitle:20230* OR intitle:20221*) AND intitle:GMA intitle:NIDW

Evernote Results: 21 Records

1. [NIDW-20230217-01 - James Morgan - Administratively complete \(Well in GIS Waiting on link note\)](#)
2. [NIDW-20230217-02 - John Winger Jr. - Administratively complete](#)
3. [NIDW-20230217-03 - Kyle Mckay - Administratively complete](#)
4. [NIDW-20230223-01 - Joseph Tate - Administratively Incomplete](#)
5. [NIDW-20230307-01 - Mario DesiLos - Administratively complete](#)
6. [NIDW-20230307-02 - Mark & Mary Hesch - Administratively complete](#)
7. [NIDW-20230307-03 - Jyoti Naik - Administratively complete](#)
8. [NIDW-20230307-04 - Michael Boudreaux - Administratively complete](#)
9. [NIDW-20230307-05 - Bob & Lucy Shank - Administratively complete](#)
10. [NIDW-20230613-01 - Arturo Perez - Administratively complete](#)
11. [NIDW-20230629-01 - Jose Huerta - Administratively Complete](#)
12. [NIDW-20230629-02 - Jason Kautz - Administratively Complete](#)
13. [NIDW-20230911-01 - J. Helm - Administratively Complete](#)
14. [NIDW-20230911-02 - Jose Aguilar - Administratively Complete](#)
15. [NIDW-20230911-03 - M. Hurly - Administratively Complete](#)
16. [NIDW-20230911-04 - Craig Jones - Administratively Complete](#)
17. [NIDW-20230911-05 - Sandra Miller - Administratively Complete](#)
18. [NIDW-20230911-06 - Dulce Flores - Administratively Complete](#)
19. [NIDW-20230911-07 - Howard Tillis - Administratively Complete](#)
20. [NIDW-20230911-08 - J. Wesley - Administratively Complete](#)
21. [NIDW-20230911-09 - Magnolia Beach VFD - Administratively Complete](#)

Table - Active and Approved Permits at the end of the fiscal year

Database Filter Syntax: "Permit Status" in ('Active', 'Approved') and ("GCD Production Permit ID" not like '%20231%' and "GCD Production Permit ID" not like '%2024%')

GCD Production Permit ID	Production Rate AFY	Permit Status
HUPPW-20230724-01	29.88	Approved
HUPPWF-20230424-03	10.1	Active

HUPPWF-20230724-02	13.35	Active
OPW-20171016-02	9.563	Active
OPW-20171220-01	4.8	Active
OPW-20180418-05	160	Active
OPW-20180418-06	160	Active
OPW-20180418-07	160	Active
OPW-20180418-08	18	Active
OPW-20180418-09	18	Active
OPW-20180516-02	1	Active
OPW-20190126-01	18	Active
OPW-20190126-02	18	Active
OPW-20190325-01	4.63	Active
OPW-20190325-02	45	Active
OPW-20190325-03	45	Active
OPW-20190325-04	45	Active
OPW-20190325-05	45	Active
OPW-20190513-01	6	Approved
OPW-20191209-01	133	Approved
OPW-20191209-02	133	Approved
OPW-20200427-01	220	Approved
OPW-20200427-02	220	Approved
OPW-20200427-03	220	Approved
OPW-20200427-04	220	Approved
OPW-20200427-09	437.5	Active
OPW-20200427-10	437.5	Approved
OPW-20200427-11	437.5	Approved
OPW-20200427-12	437.5	Approved
OPW-20200526-01	10	Approved
OPW-20200803-04	70	Active

OPW-20200803-05	70	Active
OPW-20200803-06	70	Approved
OPW-20210119-02	12.7	Approved
OPW-20210419-03	1250	Approved
OPW-20210419-04	1250	Approved
OPW-20210524-03	52.25	Approved
OPW-20210524-04	52.25	Approved
OPW-20210701-02	4	Approved
OPW-20210726-02	1.868	Approved
OPW-20210726-04	1.911	Approved
OPW-20210823-02	5.9725	Approved
OPW-20211019-02	0.75	Approved
OPW-20211025-01	30	Active
OPW-20220405-02	0.3415	Approved
OPW-20220627-02	2.927	Approved
OPWF-20221114-01	890	Approved
SCPPW-20230714-01	23.29	Approved
VPW-20210726-04	27.93	Active
VPW-20220425-01	280	Approved

Management Plan Goal 2 - Controlling and Preventing Waste of Groundwater - FY2023

Goal 2: Controlling and preventing waste of groundwater.

Objective 1: Develop and maintain a program for inspecting at least twelve (12) water wells within the district during the fiscal year.

Performance Standard: The district will summarize within the annual report the number of wells inspected during the preceding fiscal year and those wells requiring corrective action.

Related Programs:

1. Program - PRG-6000 - Groundwater Protection - FY2023

Related Projects:

1. Project - PRJ-20236100.01 - Well Inspections for FY2023

2. [Project - PRJ-20236100.02 - Manage Investigations related to Groundwater Protection for FY2023](#)
3. [Project - PRJ-20236100.03 - Observation of Casing Placement for FY2023](#)

Discussion of Information relevant to Assessing the Performance of the District during the Fiscal Year relative to the Objective

Summary of Well Inspections:

The district had recorded 11 well inspection forms (WIFs) during the fiscal year. The district initiated no investigations or enforcement proceeding regarding wells requiring corrective action based on well inspections performed during the fiscal year.

Assessment of Achievement

Achievement Level of the Objective for the Fiscal Year: **PARTIAL**

Supporting Information - Goal 2

List of Well Inspections completed during the fiscal year

Record Search Syntax: (intitle:20230* OR intitle:20221*) AND intitle:WIF

Record Search Results: 11 Records

1. [WIF-20230310-01 - GW-00003](#)
2. [WIF-20230310-02 - NW-00024](#)
3. [WIF-20230310-03 - GW-00005](#)
4. [WIF-20230310-04 - GW-00001](#)
5. [WIF-20230310-05 - GW-00009](#)
6. [WIF-20230726-01 - GW-00001](#)
7. [WIF-20230726-02 - GW-00003](#)
8. [WIF-20230726-03 - GW-00004](#)
9. [WIF-20230726-04 - NW-00024](#)
10. [WIF-20230726-05 - NW-00014](#)
11. [WIF-20230919-01 - Audra Henke](#)

Management Plan Goal 3 - Addressing Conjunctive Surface Water Management Issues - FY2023

Goal 3: Addressing conjunctive surface water management issues.

Objective 1: Participate in the regional water planning process by attending and participating in at least one (1) South Central Texas Regional Water Planning Group (Region L) meeting held during the fiscal year.

Performance Standard: The district will summarize within the annual report the dates of meetings of the South Central Texas Regional Water Planning Group attended by representatives of the district during the preceding fiscal year.

Related Programs:

1. [Program - PRG-8000 - Groundwater Resource Planning - FY2023](#)

Related Projects:

1. [Project - PRJ-20238100.02 - Regional Water Planning Participation for FY2023](#)

Discussion of Information relevant to Assessing the Performance of the District during the Fiscal Year relative to the Objective:

Representatives of the district attended meetings of the South Central Texas Regional Water Planning Group (Region L) on the following dates: **November 3, 2022; February 2, 2023; May 4, 2023; August 3, 2023.**

Assessment of Achievement

Achievement Level of the Objective for the Fiscal Year: **FULL**

Supporting Information - Goal 3

List of Minutes of Meetings related to participation at the South Central Texas Regional Water Planning Group (Region L) meetings held during the fiscal year

1. <https://www.regionltexas.org/wp-content/uploads/2023/02/Region-L-Minutes-11.03.2022-Final-1.pdf>
2. <https://www.regionltexas.org/wp-content/uploads/2023/05/Region-L-Minutes-2.2.2023.pdf>
3. <https://www.regionltexas.org/wp-content/uploads/2023/08/Region-L-Minutes-5.4.2023.pdf>
4. https://www.regionltexas.org/wp-content/uploads/2023/11/Region-L-Minutes-8.03.2023_Final.pdf

Management Plan Goal 4 - Addressing Natural Resource Issues - FY2023

Goal 4: Addressing natural resource issues which impact the use and availability of groundwater, and which are impacted by the use of groundwater.

Objective 1: Develop and maintain a program to monitor the water quality of at least twelve (12) water wells within the district per year.

Performance Standard: The district will summarize within the annual report 1) the number of wells monitored and 2) the water quality measurements collected during the preceding fiscal year.

Related Programs:

1. [Program - PRG-4000 - Groundwater Monitoring - FY2023](#)

Related Projects:

1. [Project - PRJ-20234100.02 - Synoptic Aquifer Monitoring for FY2023](#)
2. [Project - PRJ-20234100.04 - Baseline Water Quality Aquifer Monitoring for FY2023](#)
3. [Project - PRJ-20234100.05 - Ad-Hoc Baseline Water Quality Sampling for FY2023](#)
4. [Project - PRJ-20234100.07 - Annual Water Quality Assessment for FY2023](#)

Discussion of Information relevant to Assessing the Performance of the District during the Fiscal Year relative to the Objective:

The district collected 8 water quality field measurements and 2 water quality samples for lab analysis.

The district received 2 water quality lab reports during the fiscal year.

Assessment of Achievement

Achievement Level of the Objective for the Fiscal Year: **PARTIAL**

Supporting Information - Goal 4

List of Water Quality Field Measurements collected in the fiscal year

Record Search Syntax: (intitle:20230* OR intitle:20221*) AND intitle:WQFM

Record Search Results: 8 Records

1. [WQFM-20221006-02 - NW-00151](#)
2. [WQFM-20221006.0816 - NW-00064](#)
3. [WQFM-20230726-01 - GW-00001](#)
4. [WQFM-20230726-02 - GW-00003](#)

5. [WQFM-20230726-03 - GW-00004](#)
6. [WQFM-20230726-04 - NW-00024](#)
7. [WQFM-20230726-05 - GW-00014](#)
8. [WQFM-20230919.1541 - Audra Henke](#)

List of Water Quality Lab Samples collected during FY2023

Record Search Syntax: (intitle:20230* OR intitle:20221*) AND intitle:WQSI

Record Search Results: 2 Records

1. [WQSI-20221006-01 - NW-00064](#)
2. [WQSI-20221006-01 - NW-00151](#)

List of Water Quality Lab Reports received during FY2023

Record Search Syntax: (intitle:20230* OR intitle:20221*) AND intitle:WQLR

Record Search Results: 2 Records

1. [WQLR-20221006.0605](#)
2. [WQLR-20221006.0832](#)

Management Plan Goal 5 - Addressing Drought Conditions - FY2023

Goal 5: Addressing drought conditions.

Objective 1: Review drought condition information related to the district and the surrounding region of Texas collected from the following website at least four meetings of the Board of Directors during the fiscal year:

<https://www.waterdatafortexas.org/drought/>.

Performance Standard: The district will summarize within the annual report the number of instances drought condition information was considered by the Board of Directors during the preceding fiscal year.

Related Programs:

1. [Program - PRG-4000 - Groundwater Monitoring - FY2023](#)

Related Projects :

1. [Project - PRJ-20234100.01 - Monitor Drought Conditions for FY2023](#)

Discussion of Information relevant to Assessing the Performance of the District during the Fiscal Year relative to the Objective:

The board of directors of the district considered drought condition information during meetings held on the following dates: **October 24, 2022; April 24, 2023; July 24, 2023.**

Assessment of Achievement

Achievement Level of the Objective for the Fiscal Year: **PARTIAL**

Supporting Information - Goal 5

List of Minutes of Meetings at which the Board considered Drought Conditions during FY2023

1. [Meeting Minutes - 20221024 - Board of Directors](#)
2. [Meeting Minutes - 20230424 - Board of Directors](#)
3. [Meeting Minutes - 20230724 - Board of Directors](#)

Management Plan Goal 6 - Addressing Conservation - FY2023

Goal 6: Addressing conservation, recharge enhancement, rainwater harvesting, precipitation enhancement, or brush control, where appropriate and cost-effective.

Objective 1: Promote conservation, rainwater harvesting, or brush control within Calhoun County at least once during the fiscal year.

Performance Standard: The district will summarize within the annual report the number of instances the district promoted conservation, rainwater harvesting, or brush control during the preceding fiscal year.

Related Programs:

1. Program - PRG-2000 - Groundwater Conservation - FY2023

Related Projects:

1. Project - PRJ-20232100.01 - Promote Conservation for FY2023
2. Project - PRJ-20232100.02 - Conservation Education and Teacher Professional Development for FY2023

Discussion of Information relevant to Assessing the Performance of the District during the Fiscal Year relative to the Objective:

The district addressed and promoted conservation, recharge enhancement, rainwater harvesting, precipitation enhancement, or brush control by promoting related educational publications on the website of the district. On April 24, 2023, the Board of Directors of the district authorized the expenditure of up to \$5,000.00 for sponsorship of field trips by 4th and 5th grade students from Calhoun County to the Wetland Education Center located in the INVISTA Victoria Plant Wetland for the purposes of promoting water conservation. See: MFC-20230424-6.0 - Report regarding Groundwater Conservation.

On May 5, 2023, the website of the district was updated to incorporate new promotions of groundwater conservation (<https://www.calhouncountygcd.org/groundwater-conservation>).

Assessment of Achievement

Achievement Level of the Objective for the Fiscal Year: **FULL**

Supporting Information - Goal 6

1. Meeting Minutes - 20230424 - Board of Directors

Management Plan Goal 7 - Addressing the Desired Future Conditions - FY2023

Goal 7: Addressing the desired future conditions adopted by the district under Section 36.108.

Objective 1: Develop and maintain a program to monitor the water level of at least twelve (12) water wells within the district per year.

Performance Standard: The district will summarize within the annual report 1) the number of wells monitored and 2) the water level measurements collected during the preceding fiscal year.

Objective 2: Analyze aquifer monitoring information to evaluate achievement of the desired future conditions of the district based on information available during the fiscal year.

Performance Standard: The district will summarize within the annual report 1) the aquifer monitoring information and 2) the conclusions regarding the achievement of the desired future conditions of the district during the preceding fiscal year.

Related Programs:

1. Program - PRG-4000 - Groundwater Monitoring - FY2023
2. Program - PRG-8000 - Groundwater Resource Planning - FY2023

Related Projects:

1. Project - PRJ-20234100.02 - Synoptic Aquifer Monitoring for FY2023

2. [Project - PRJ-20234100.03 - Continuous Water Level Monitoring for FY2023](#)
3. [Project - PRJ-20234100.06 - Annual Water Level Assessment for FY2023](#)
4. [Project - PRJ-20234200.01 - Monitoring Network Assessment and Improvement Project for FY2023](#)
5. [Project - PRJ-20238100.01 - GMA 15 Joint Planning for 3rd Planning Cycle in FY2023](#)
6. [Project - PRJ-20238100.03 - GMA 15 Joint Planning for 4th Planning Cycle in FY2023](#)

Discussion of Information relevant to Assessing the Performance of the District during the Fiscal Year relative to Objective 1:

The District collected 9 separate water level measurements from water wells within Calhoun County during the fiscal year.

The average water level of wells measured during the fiscal year was 25 feet below the surface.

Assessment of Achievement

Achievement Level of the Objective for the Fiscal Year: **PARTIAL**

Discussion of Information relevant to Assessing the Performance of the District during the Fiscal Year relative to Objective 2:

The average water level of wells measured in year 2000 was 20 feet below the surface.

The average water level of wells measured in calendar year 2022 was 22 feet below the surface.

The average water level of wells measured in calendar year 2023 was 23 feet below the surface.

The district, based on the report developed by Dr. Young of Intera titled *Application of Geostatistical Techniques to Interpret Measured 2022 Water Levels*, estimates the following changes in water levels within the district:

- +5.2 feet of change in water levels (i.e., recovery) in the Chicot Aquifer between year 2000 and year 2022,
- 11.1 feet of change in water levels (i.e., drawdown) in the Evangeline Aquifer between year 2000 and year 2022, and
- +1.9 feet of combined change in water levels (i.e., recovery) in the Chicot and Evangeline Aquifers between year 2000 and year 2022.

The desired future condition for Groundwater Management Area 15 is expressed as a maximum drawdown between January 2000 and December 2080. The county-specific desired future condition for Calhoun County is "5 feet of drawdown of the Gulf Coast Aquifer System."

Based on water level trends within Calhoun County, the district concludes that the condition of the Gulf Coast Aquifer within Calhoun County is in compliance with the district's desired future condition.

Assessment of Achievement

Achievement Level of the Objective for the Fiscal Year: **FULL**

Supporting Information - Goal 7

List of Water Level Measurements collected during the fiscal year

Record Search Syntax: (intitle:20230* OR intitle:20221*) AND intitle:WLM

Record Search Results: 9 Records

1. [WLM-20230310-01 - GW-00003](#)
2. [WLM-20230310-02 - NW-00024](#)
3. [WLM-20230310-03 - GW-00005](#)
4. [WLM-20230310-04 - GW-00001](#)
5. [WLM-20230310-05 - GW-00009](#)
6. [WLM-20230726-01 - GW-00001](#)
7. [WLM-20230726-02 - GW-00003](#)
8. [WLM-20230726-04 - NW-00024](#)
9. [WLM-20230726-05 - GW-00014](#)

Table: Water Level Measurements Collected during Fiscal Year

Database Filter Syntax: "Measurement Date" > '2022-09-30' and "Measurement Date" < '2023-10-01'

GCD Source Document ID	GCD Water Well ID	Measurement Date	Parameter Measurement
WLM-20230310-01	GW-00003	3/10/2023	15
WLM-20230310-02	NW-00024	3/10/2023	32
WLM-20230310-03	GW-00005	3/10/2023	31
WLM-20230310-04	GW-00001	3/10/2023	21
WLM-20230310-05	GW-00009	3/10/2023	33
WLM-20230726-01	GW-00001	7/26/2023	23
WLM-20230726-02	GW-00003	7/26/2023	14
WLM-20230726-04	GW-00024	7/26/2023	35
WLM-20230726-05	GW-00014	7/26/2023	21
Average:			25

Table: Water Level Measurements Collected during Calendar Year 2000

Database Filter Syntax: "Measurement Date" > '1999-12-31' and "Measurement Date" < '2001-01-01'

GCD Water Well ID	Measurement Date	Parameter Measurement
GW-00007	2/22/2000	18
GW-00008	2/22/2000	24
GW-00009	2/22/2000	32
GW-00010	2/22/2000	21
GW-00011	2/22/2000	18
GW-00012	2/22/2000	20
GW-00013	2/22/2000	9
GW-00014	2/22/2000	21
Average:		20

Table: Water Level Measurements Collected during Calendar Year 2022

Database Filter Syntax: "Measurement Date" > '2021-12-31' and "Measurement Date" < '2023-01-01'

GCD Water Well ID	Measurement Date	Parameter Measurement
GW-00001	2/21/2022	18
GW-00003	2/21/2022	14
GW-00005	2/21/2022	32
GW-00009	2/21/2022	32
GW-00014	2/21/2022	17
NW-00024	2/21/2022	32
NW-00033	2/21/2022	32
Unregistered Well	8/10/2022	11
Unregistered Well	8/10/2022	14
Average:		22


Table: Water Level Measurements Collected during Calendar Year 2023

Database Filter Syntax: "Measurement Date" > '2022-12-31' and "Measurement Date" < '2024-01-01'

GCD Water Well ID	Measurement Date	Parameter Measurement
GW-00001	3/10/2023	21
GW-00001	7/26/2023	23
GW-00003	3/10/2023	15
GW-00003	7/26/2023	14
GW-00005	3/10/2023	31
GW-00009	3/10/2023	33
GW-00014	7/26/2023	21
GW-00024	7/26/2023	35
NW-00001	3/24/2023	1
NW-00024	3/10/2023	32

Average:	23
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CCGCD - Intera Report Water Level Analysis for CY2022 - 20231218.pdf

 **Untitled Attachment**