

Calhoun Groundwater Conservation District Annual Report

Fiscal Year 2016 – 2017

October 1, 2016 to September 30, 2017

Adopted: October 17, 2018

Section 1 - Review of management goals, objectives and performance standards of the District.

The Management Plan of the District, as adopted on May 31, 2017, specifies the method for tracking progress in achieving the goals of the District. The management plans states "staff" of the DISTRICT will prepare and present an annual report to the Calhoun Groundwater Conservation Board of Directors regarding the DISTRICT's performance in achieving management goals and objectives for the fiscal year. The report will be presented within 120 days following the completion of the DISTRICT's fiscal year. The DISTRICT will maintain the report on file for public inspection at the District's offices upon adoption at a meeting of the Calhoun Groundwater Conservation Board of Directors.

Based on the review of the activities and projects of the Calhoun Groundwater Conservation District Management Plan between October 1, 2016 and September 30, 2017 the District has determined that all seven goals and associated objectives, based on an assessment of the performance standards, have been fully achieved the fiscal year ending September 30, 2017.

Goal 1: Providing the most efficient use of groundwater – TWC §36.1071(a)(1) and 31 TAC 356.52(a)(1)(A)

Objective G101: Develop and maintain a water well registration program for tracking well information for wells within Calhoun County.

Performance Standard: Each year, the DISTRICT will summarize within the annual report the changes related to water well registration including the number of non-grandfathered and grandfathered wells registered.

The District provided for the efficient use of groundwater by, in cooperation with the Victoria County Groundwater Conservation District, maintaining a water well registration program for tracking well information for wells within Calhoun County. The District registered 4 non-grandfathered wells in FY 16-17. Victoria County Groundwater Conservation District imported information for wells within Calhoun County monitored by Texas Water Development Board.

Number of non-grandfathered wells registered with the District as of September 2017- 0
Number of grandfathered wells registered with the District as of September 2017 - 4

Evidence of Achievement:

Note Links:

[CCGCD - GMa - Pe - Well Registration Certificates - WRC - GW-00001 - Danny May](#)

[CCGCD - GMa - Pe - Well Registration Certificates - WRC - GW-00002 - Richard Meyer](#)

[CCGCD - GMa - Pe - Well Registration Certificates - WRC - GW-00003 - Michael Hahn](#)

[CCGCD - GMa - Pe - Well Registration Certificates - WRC - GW-00004 - Galen Johnson](#)

Objective G102: Develop and maintain a water well permitting program for processing and tracking all permits authorizing groundwater production.

Performance Standard: Each year, the DISTRICT will summarize within the annual report the changes related to water well permitting including the number of new applications and the disposition of the applications.

The District provided for the efficient use of groundwater by, in cooperation with the Victoria County Groundwater Conservation District, maintaining a water well permitting program for processing and tracking all permits authorizing groundwater production within Calhoun County.

The District received the following permitting requests during the fiscal year:

- 0 - Applications to Drill a Well
- 0 - Applications to Operate a Well
- 0 - Application to Validate the Historic Use of a Well
- 4 - Applications to Register a Well

The District created the following permits during the fiscal year:

- 0 - Drilling Permits 0
- 0 - Production Permits 0
- 0 - Production Permit Renewal

Evidence of Achievement:

Note Links:

[CCGCD - GMa - PR - Registration Requests - ARW-20170921-01 - Danny May - Complete](#)

[CCGCD - GMa - PR - Registration Requests - ARW-20170921-02 - Richard Meyer - Complete](#)

[CCGCD - GMa - PR - Registration Requests - ARW-20170921-03 - Michael Hahn - Complete](#)

[CCGCD - GMa - PR - Registration Requests - ARW-20170921-04 - Galen Johnson - Complete](#)

Goal 2: Controlling and preventing waste of groundwater – TWC §36.1071(a)(2) and 31 TAC 356.52(a)

Objective G2O1: Develop and maintain a water well inspection program for non-exempt wells.

Performance Standard: Each year, the DISTRICT will summarize within the Annual report the findings of the inspection activities including information regarding the number of wells that require improvement to control or prevent waste of groundwater.

The District addressed controlling and preventing waste of groundwater by, in cooperation with the Victoria County Groundwater Conservation District, maintaining a water well inspection program during the fiscal year. The District has performed 4 well inspection during the fiscal year. Of those wells inspected, 0 wells require improvement to control or prevent waste of groundwater.

Achievement Level: Full

Goal 3: Controlling and preventing subsidence - TWC §36.1071 (a)(3) and 31 TAC

This category of management goal is not applicable to the DISTRICT at this time because no significant subsidence has occurred in Calhoun County. The DISTRICT will monitor geological conditions for evidence of subsidence, particularly in high groundwater production areas near the coast and take appropriate action should subsidence develop.

Achievement Level: Not applicable.

Goal 4: Addressing conjunctive surface water management issues – TWC §36.1071(a)(4) and 31 TAC 356.52(a)(1)(D)

Objective G4O1: Participate in the regional water planning process by attending at least one Regional Water Planning Group (Region L) meeting per year.

Performance Standard: Each year, the DISTRICT will summarize within the annual report the representatives of the DISTRICT, dates, and the number of meetings of the Regional Water Planning Group (Region L) attended.

The District addressed conjunctive surface water management issues by, through the attendance of meetings by district consultant or general manager, participating in the regional water planning process by attending at least one meeting during the fiscal year. Mr. Andruss attended meeting of the South Central Texas Water Planning Group (Region L) on the following dates: November 3, 2016, February 2, 2017, May 4, 2017, and August 3, 2017.

Evidence of Achievement

Note Links:

[CCGCD - Region L - Meeting Minutes - 20161103](#)

[CCGCD - Region L - Meeting Minutes - 20170202](#)

[CCGCD - Region L - Meeting Minutes - 20170504](#)

[CCGCD - Region L - Meeting Minutes - 20170803](#)

Goal 5: Addressing natural resource issues which impact the use and availability of groundwater, and which are impacted by the use of groundwater – TWC §36.1071(a)(5) and 31 TAC §356.52(a) (1)(E).

Objective G5O1: Develop and maintain a water quality monitoring program.

Performance Standard: Each year, the DISTRICT will summarize within the annual report the monitoring activities including the number of wells monitored and the year-year change of water quality. The District addressed natural resource issues which impact the use and availability of groundwater by, in cooperation with the Victoria County Groundwater Conservation District, maintaining a water quality monitoring program during the fiscal year. The District collected and entered 8 measurements into the Aquifer Measurements table of the District's GIS-based database during the fiscal year which was a prerequisite to evaluating the year-to-year change in water quality. The District continues to collect valuable aquifer measurement to support the future assessment of water quality change. (See Attached Water Level Measurement Chart and Map)

Evidence of Achievement

Note Links:

[CCGCD - GMo - Mea - Water Level - WLM-20170929-01 - GW-00003](#)

[CCGCD - GMo - Mea - Water Level - WLM-20170929-02 - GW-00005](#)

[CCGCD - GMo - Pre - Daily Field Records - DFR-20170929-01](#)

CCGCD – Annual Report – FY16-17 - Section 1 – Goal 6: Addressing drought conditions

Goal 6: Addressing drought conditions – TWC §36.1071(a)(6) and 31 TAC 356.52(a)(1) (F)

Objective G6O1: Collect and review drought condition information related to Calhoun County and the surrounding region of Texas.

Performance Standard: Each year, the District will summarize within the annual report the drought condition information collected and reviewed.

The District addressed drought conditions by collecting and reviewing drought condition information related to Calhoun County and the surrounding region of Texas by considering drought monitoring index information during meetings of the Board of Directors during the fiscal year. Drought condition information was reviewed at the meetings held on the following dates: October 26, 2016; November 9, 2016; January 25, 2017; March 29, 2017; May 31, 2017; August 23, 2017; September 20, 2017.

Evidence of Achievement:

Note Links:

[CCGCD - Adm - MM - Meeting Minutes - 20161026 - Approved](#)

[CCGCD - Adm - MM - Meeting Minutes - 20161109 - Approved](#)

[CCGCD - Adm - MM - Meeting Minutes - 20170125 - Approved](#)

[CCGCD - Adm - MM - Meeting Minutes - 20170329 - Approved](#)

[CCGCD - Adm - MM - Meeting Minutes - 20170531 - Approved](#)

[CCGCD - Adm - MM - Meeting Minutes - 20170823 - Approved](#)

[CCGCD - Adm - MM - Meeting Minutes - 20170920 - Approved](#)

Goal 7: Addressing conservation, recharge enhancement, rainwater harvesting, precipitation enhancement, or brush control, where appropriate and cost-effective – TWC §36.1071(a)(7) and 31 TAC 356.52(a)(1)(G)

Objective G7O1: Promote conservation, rainwater harvesting or brush control within Calhoun County.

Performance Standard: Each year, the DISTRICT will summarize within the annual report the activities directly related to conservation, rainwater harvesting or brush control including participation in scientific investigations and studies, educational materials developed and delivered to local schools, cooperative educational contributions and grants, public speaking events and presentations, community event participation, and educational publications.

The District was represented at the South Texas Farm and Ranch show in October 25, 2017 at which promotional materials relating to groundwater conservation, recharge enhancement, rainwater harvesting and brush control were on display and distributed to show attendees.

The District sponsored the Texas Well Owners Workshop Hosted by Calhoun County Extension Agent, January 24, 2017, with educational materials and presentations related to wells and groundwater.

The District participated in the Resource Action Programs Waterwise Program for students in the Calhoun County School Districts in the 2016-2017 school year. The program promotes hands on learning and water conservations for 5th grade students.

Evidence of Achievement:

Note Links:

[CCGCD - Adm - PPM - Projects - Recource Action Program - Waterwise 2016-2017 - Closed](#)

[CCGCD - Adm - PPM - Projects - South Texas Farm and Ranch Show - Educational Booth - Closed](#)

[CCGCD - Adm - PPM - Projects - TWON - Texas Well Owners Network Training - Closed](#)

Goal 8: Addressing the desired future conditions adopted by the district under Section 36.108 – TWC §36.1071(a)(8) and 31 TAC 356.52(a)(1)(H)

Objective G8O1: Develop and maintain a water level monitoring program.

Performance Standard: Each year, the DISTRICT will summarize within the annual report the water level monitoring activities including the number of wells monitored and the year-to-year change of water level.

The District addressed the desired future conditions adopted by the District by, in cooperation with the Victoria County Groundwater Conservation District, maintaining a water level monitoring program during the fiscal year.

The District collected water level measurements from 8 water wells within Calhoun County. The District initiated the water level monitoring program during the fiscal year and will continue to develop sufficient information to evaluate change in water levels.

Evidence of Achievement:

Note Links:

[CCGCD - GMo - Mea - Water Level - WLM-20170929-01 - GW-00003](#)

[CCGCD - GMo - Mea - Water Level - WLM-20170929-02 - GW-00005](#)

Objective G8O2: Analyze water level monitoring information to evaluate water level trends and determine the degree to which the DISTRICT is complying with the desired future conditions of Gulf Coast Aquifer in Calhoun County.

Performance Standard: Each year, the DISTRICT will summarize within the annual report the water level trends and the conclusions regarding the DISTRICT's compliance with the desired future condition of the Gulf Coast Aquifer in Calhoun County.

The District addressed the desired future conditions adopted by the District by, in cooperation with the Victoria County Groundwater Conservation District, analyzed the recent water level trends for 2017.

The District initiated the water well level monitoring program during the fiscal year and will continue to develop sufficient information to evaluate trends and draw conclusions regarding performance relative to the desired future conditions of the Gulf Coast Aquifer in Calhoun County.

Evidence of Achievement:

Note Links:

[CCGCD - GMo - Mea - Water Level - WLM-20170929-01 - GW-00003](#)

[CCGCD - GMo - Mea - Water Level - WLM-20170929-02 - GW-00005](#)