

# Texana Groundwater Conservation District

## Annual Report of the District

Fiscal Year 2021 – 2022

October 1, 2021 to September 30, 2022

**Adopted:**

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

The Management Plan of the District, as revised on July 15, 2021, 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 Texana 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 Texana Groundwater Conservation Board of Directors."

Based on the review of the activities and projects of the Texana Groundwater Conservation District Management Plan between October 1, 2020 and September 30, 2021, the District has determined that all of the goals and associated objectives have been fully achieved the fiscal year ending September 30, 2021.

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

**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 and 2) the number of wells registered by the the District, and 3) volume of groundwater authorized to be produced under production permits issued by the District, as of the last day of the preceding fiscal year.

The district achieved the goals and objectives related to providing for the most efficient use of groundwater during the fiscal year. The district initiated 167 permitting request cases during the fiscal year. As of April 19, 2023, three (3) of those cases remain pending. The district registered 160 wells during the fiscal year. The district recorded 167,437 acre-feet of groundwater authorized to be produced under production permits as of the last day of the fiscal year.

**Achievement Level: FULL**

**Goal 2: Controlling and preventing waste of groundwater - TWC §36.1071(a)(2) and 31 TAC 356.52(a)(1)(B)**

**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.

The district achieved the goals and objectives related to controlling and preventing waste of groundwater during the fiscal year. The district completed 14 well inspections and 8 observations of placement of well casing during the fiscal year. The district did not identify any wells that required corrective action.

**Achievement Level: FULL**

**Goal 3: Addressing conjunctive surface water management issues – TWC §36.1071(a)(4) and 31 TAC 356.52(a)(1)(D)**

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

**Performance Standard:** The District will summarize within the annual report the dates of meetings of the Lavaca Regional Water Planning Group attended by representatives of the District during the preceding fiscal year.

The district achieved the goals and objectives related to addressing conjunctive surface water management issues during the fiscal year. The general manager of the district attended two (2) meetings of the Lavaca Regional Water Planning Group on May 16, 2022 and September 19, 2022.

**Achievement Level: FULL**

**Goal 4: 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 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.

The district achieved the goals and objectives related to addressing natural resource issues which impact the use and availability of groundwater, and which are impacted by the use of groundwater during the fiscal year. The District processed 100 separate water quality field measurements and 3 water quality lab reports in the fiscal year. The average field measurement of conductivity was 3,204 (µmhos/cm). The average lab measurement of conductivity was 3,130 (µmhos/cm).

**Achievement Level: FULL**

**Goal 5: Addressing drought conditions – TWC §36.1071(a)(6) and 31 TAC 356.52(a)(1)(F)**

**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/>.

**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.

The district achieved the goals and objectives related to addressing drought conditions during the fiscal year. The district considered drought condition information at four (4) meeting during the fiscal year.

**Achievement Level: FULL**

**Goal 6: 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 1:** Promote conservation, rainwater harvesting, or brush control within Jackson 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.

The district achieved the goals and objectives related to addressing conservation, recharge enhancement, rainwater harvesting, precipitation enhancement, or brush control, where appropriate and cost effective during the fiscal year. The district promoted conservation, rainwater harvesting, or brush control by 1) considering the topic during public meetings held on January 20, 2022 and April 21, 2022, 2) updating the website of the district with links to promotional information related to water conservation, and 3) the sponsorship of and participation in the UHV-organized teacher public development sessions related to water conservation in June 2022.

**Achievement Level: FULL**

**Goal 7: 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 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.

The district achieved the goals and objectives related to addressing the desired future conditions adopted by the district under Section 36.108 during the fiscal year. The district collected 97 field water level measurements during the fiscal year. The average water level measurement collected was 32.7 feet below the surface during the fiscal year.

**Achievement Level:FULL**

**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.

The district achieved the goals and objectives related to addressing the desired future conditions adopted by the district under Section 36.108 during the fiscal year. On July 21, 2022, the district considered the following during a public meeting: "The 3-year average of water level change- between year 2019 and 2021 is +1.4 feet. The use of a 3-year average of water level changes moderates the effects of the estimates of a single year and represents a measure of the recent

trend. The consideration of the 3-year average water level change in the context of the measurement distribution offers a possibility that the condition of the aquifer is significantly better than the water level change from year 2000 to year 2021 indicates." The district concluded "that the district is presently achieving the desired future condition for Jackson County;"

**Achievement Level: FULL**

# TGCD - Adm - OPM - Annual Report for FY2022 - Section 2

## Section2 - Evidence of Achievement of Management Plan Goals and Objectives

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

**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 and 2) the number of wells registered by the the District, and 3) volume of groundwater authorized to be produced under production permits issued by the District, as of the last day of the preceding fiscal year.

**Evidence of Achievement:** Permitting request cases initiated during the fiscal year.

1. [PRC-20211001-01 - ADW-20210923-01-04 - RBros, LP - Complete](#)
2. [PRC-20211004-01 - ADW-20210924-01 - David Rose, Bowen Rose - Complete](#)
3. [PRC-20211004-02 - ADW-20210927-01 - Darrell Kudelka - Complete](#)
4. [PRC-20211007-01 - ADW-20211001-01 - Jerad and Kristin Nethery - Incomplete](#)
5. [PRC-20211013-01 - ADW-20211001-01 - Jerad and Kristin Nethery - Complete](#)
6. [PRC-20211013-02 - ADW-20211001-02 - LeLe Golf, LLC - Complete](#)
7. [PRC-20211013-03 - ADW-20211006-01 - LeLe Golf, LLC - Complete](#)
8. [PRC-20211013-04 - ADW-20211006-02 - LeLe Golf, LLC - Complete](#)
9. [PRC-20211014-01 - ADW-20211011-02 - Formosa Plastics Corporation Texas - Complete](#)
10. [PRC-20211014-02 - ADW-20211013-01 - Thomas L. Peterson - Complete](#)
11. [PRC-20211020-01 - ADW-20211018-01-04 - Partners Capital, LLC - Complete](#)
12. [PRC-20211020-02 - ADW-20211018-05-08 - Partners Capital, LLC - Complete](#)
13. [PRC-20211026-01 - ARW-20211026-01/AVW-20220512-01/AOW-20220518-01 - Quadvest LP - Complete](#)
14. [PRC-20211027-01 - ADW-20211021-01 - Kristi Manning - Complete](#)

15. [PRC-20211102-01 - ADW-20211101-01 - Louis and Brittney Koester - Complete](#)
16. [PRC-20211102-01 - ARW-20211102-01 - Harlan J. and Glenda K. Specht - Complete](#)
17. [PRC-20211102-02 - ARW-20211102-02 - Rushell Cattle Co., LLC - Complete](#)
18. [PRC-20211102-03 - ARW-20211102-03 - Thomas L. Roznovsky - Complete](#)
19. [PRC-20211102-04 - ARW-20211102-04 - Timothy D. Wootan - Complete](#)
20. [PRC-20211103-01 - ARW-20211103-01/02 - Dustin and Holly Kana - Complete](#)
21. [PRC-20211103-02 - ARW-20211103-03 - Mary Meredith Johnson Estate - Complete](#)
22. [PRC-20211103-03 - ARW-20211103-04 - Tommie Tyler, Jr - Complete](#)
23. [PRC-20211104-01 - ADW-20211102-01 - Ryan and Erika De Los Santos - Complete](#)
24. [PRC-20211104-02 - ARW-20211103-05 - Gary Chapline - Complete](#)
25. [PRC-20211104-03 - ARW-20211103-06 - Cole Macek - Complete](#)
26. [PRC-20211104-04 - ARW-20211103-07 - James Frank Bailey - Complete](#)
27. [PRC-20211104-05 - ARW-20211103-08 - Madeline Novian Trust - Complete](#)
28. [PRC-20211109-01 - ADW-20211103-01 - Shane Whittley - Complete](#)
29. [PRC-20211109-02 - ARW-20211109-01 - Danny Sless - Complete](#)
30. [PRC-20211109-03 - ARW-20211109-02 - Albert Cabla - Complete](#)
31. [PRC-20211110-01 - ARW-20211110-01 - Eric and Natalie Aguilar - Complete](#)
32. [PRC-20211110-02 - ARW-20211110-02 - Cris Bone - Complete](#)
33. [PRC-20211110-03 - ARW-20211110-03 - Decker Operating - Complete](#)
34. [PRC-20211118-01 - ADW-20211116-01 - Waiming Seto - Complete](#)
35. [PRC-20211122-01 - ADW-20211119-01 - Joseph and Jerica Neumann - Complete](#)
36. [PRC-20211122-02 - ADW-20211119-02 - Leonardo Briones Mendoza - Complete](#)
37. [PRC-20211129-01 - ARW-20211129-01 - Lavaca-Navidad River Authority - Complete](#)
38. [PRC-20211206-01 - ARW-20211206-01 - Frances Byrne - Complete](#)
39. [PRC-20211206-02 - ARW-20211206-02 - HMC Land Trust - Complete](#)
40. [PRC-20211207-01 - ADW-20211130-01 - Kealeigh Alex - Complete](#)
41. [PRC-20211214-01 - ADW-20211209-03 - Blake and Whitney Repka - Complete](#)
42. [PRC-20211215-01 - ADW-20211214-01 - Thomas Larkin - Complete](#)
43. [PRC-20211216-01 - ARW-20211216-01 - Shane and Jill Sklar - Complete](#)
44. [PRC-20211216-02 - ARW-20211216-02 - D and W Kubecka Limited Partnership - Complete](#)
45. [PRC-20211216-03 - ARW-20211216-03 - John Richard Ginn - Complete](#)

46. [PRC-20211216-04 - ARW-20211216-04 - Alfred Glenn and Danielle Gabrysch - Complete](#)
47. [PRC-20211216-05 - ARW-20211216-05 - Case Silliman - Complete](#)
48. [PRC-20211216-06 - ARW-20211216-06 - J. David Stewart - Complete](#)
49. [PRC-20211216-07 - ARW-20211216-07 - Reynaldo D. Navarro - Complete](#)
50. [PRC-20211216-08 - ARW-20211216-08 - Breanna Dix - Complete](#)
51. [PRC-20211216-09 - ARW-20211216-09 - Dan Rutherford - Complete](#)
52. [PRC-20211216-10 - ARW-20211216-10 - Yvette Smith - Complete](#)
53. [PRC-20211229-01 - ARW-20211229-01 - Hector Salinas - Complete](#)
54. [PRC-20211229-02 - ADW-20211227-01 - Christopher and Jory Young - Complete](#)
55. [PRC-20211230-01 - AOW-20211008-01 - Hector Salinas - Complete](#)
56. [PRC-20220104-01 - ADW-20211220-01 - Paul Laudadio - Complete](#)
57. [PRC-20220105-01 - ARW-20220105-01 - Craig and Darla Killen - Complete](#)
58. [PRC-20220105-02 - ARW-20220105-02 - Berry Kuhlman, Jr - Complete](#)
59. [PRC-20220105-03 - ARW-20220105-03 - Ryan Pape - Complete](#)
60. [PRC-20220105-04 - ARW-20220105-04 - Miranda Poppe - Complete](#)
61. [PRC-20220105-05 - ARW-20220105-05 - Christian Litsey and Mary Ramsey - Complete](#)
62. [PRC-20220106-01 - AAPC-20220106-01 - Tanza Granite, Inc. - Complete](#)
63. [PRC-20220107-01 - ADW-20220106-01 - Kenny Marek - Complete](#)
64. [PRC-20220112-01 - ADW-20220111-01 - William and Jerrell Diaz - Complete](#)
65. [PRC-20220113-01 - ARW-20220113-01/02 - Joshua Dalton - Complete](#)
66. [PRC-20220113-02 - ARW-20220113-03 - Ryan and Lauree Tomas - Complete](#)
67. [PRC-20220113-03 - ARW-20220113-04 - Jesse Debord - Complete](#)
68. [PRC-20220113-04 - ARW-20220113-05 - Cole and Cassie Hicks - Complete](#)
69. [PRC-20220117-01 - ARW-20220117-01 - Dustin Clay and Delia Grifaldo Tomanek - Complete](#)
70. [PRC-20220117-02 - ARW-20220117-02 - Samuel Thompson - Complete](#)
71. [PRC-20220117-03 - ARW-20220117-03 - Miguel Angel Chombo S - Complete](#)
72. [PRC-20220117-04 - ARW-20220117-04 - Kyle and Marissa Stignani - Complete](#)
73. [PRC-20220117-05 - ARW-20220117-05 - Garrett and Harley Snyder - Complete](#)
74. [PRC-20220119-01 - ARW-20220119-01 - Robert and Lori O'Connor - Complete](#)
75. [PRC-20220127-01 - ADW-20220125-01 - Kim McCain - Complete](#)
76. [PRC-20220209-01 - AAPC-20220104-01/02/03 - Heath S. Hadley - Complete](#)
77. [PRC-20220210-01 - ADW-20220203-01 - High Cotton Land Company - Complete](#)
78. [PRC-20220210-02 - ADW-20220203-02 - Mathew Bures - Complete](#)



79. [PRC-20220210-03 - ADW-20220208-02 - Cody Sulak - Complete](#)
80. [PRC-20220211-01 - ADW-20220208-01 - Lonnie Brown - Complete](#)
81. [PRC-20220309-01 - ARW-20220309-01 - Hughes Legacy, LLC - Complete](#)
82. [PRC-20220311-01 - AAPC-20220117-01 - Bowers and Saha Aquaculture, LLC - Complete](#)
83. [PRC-20220314-01 - ADW-20220314-01/02 - Saint Ramon Ranch, LLC - Complete](#)
84. [PRC-20220317-01 - ARW-20220316-01 - Thomas L. Peterson - Complete](#)
85. [PRC-20220317-02 - ARW-20220317-01 - Stacy Bermea - Complete](#)
86. [PRC-20220324-01 - ADW-20220321-01 - Rhett Musser - Complete](#)
87. [PRC-20220325-01 - ARPP-20220325-1/2/3/4/5/06 - Lavaca-Navidad River Authority - Complete](#)
88. [PRC-20220328-01 - ADW-20220325-07 - Derrick Elliot - Complete](#)
89. [PRC-20220329-01 - Scott Hartl - ADW-20220329-01 - Scott Hartl - Complete](#)
90. [PRC-20220331-01 - ADW-20220328-01 - Sandra Green - Complete](#)
91. [PRC-20220405-01 - ARW-20220405-01 - Lavaca-Navidad River Authority - Complete](#)
92. [PRC-20220405-02 - ADW-20220330-01 - Quincy Raybon - Complete](#)
93. [PRC-20220407-01 - ADW-20220404-01 - Joseph Taylor - Complete](#)
94. [PRC-20220412-01 - ARW-20220412-01 - Rhonda Treadwell - Complete](#)
95. [PRC-20220418-01 - AAPC-20220124-01 - Jonathan Winkler - Complete](#)
96. [PRC-20220503-01 - ADW-20220418-01 - Punta de Vista, LLC - Complete](#)
97. [PRC-20220505-01 - ARW-20220504-01/02 - Rian and Kathrine Juranek - Complete](#)
98. [PRC-20220510-01 - ARW-20220510-01 - Alan P. Swenson, Brian M. Swenson and Sharon S. Highnote - Complete](#)
99. [PRC-20220516-01 - ADW-20220616-01 - Darbi Tobola - Complete](#)
100. [PRC-20220517-01 - AAPC-20220422-01 - Wayne Koop - Complete](#)
101. [PRC-20220519-01 - ADW-20220517-01 - Evan & Amanda Mutchler - Complete](#)
102. [PRC-20220523-01 - ADW-20220519-01 - Marcus Farquhar - Complete](#)
103. [PRC-20220523-02 - ADW-20220519-02 - Marcus Farquhar - Complete](#)
104. [PRC-20220524-01 - ARW-20160406-01 - Jon W. Neumann - Complete](#)
105. [PRC-20220525-01 - ADW-20220524-01 - Kathy Garner Neiswender - Complete](#)
106. [PRC-20220527-01 - ADW-20220525-02 - Formosa Plastic Corporation Texas - Complete](#)
107. [PRC-20220531-01 - ADW-20220531-02 - Kealeigh Alex - Complete](#)
108. [PRC-20220601-01 - ADW-20220531-01 - Vincent & Tracee Price - Complete](#)

109. [PRC-20220601-02 - ARW-20220601-01 - Blaine Rozner & Courtney Janecek - Complete](#)
110. [PRC-20220601-03 - ADW-20220531-03 - Dana Renee Williford - Complete](#)
111. [PRC-20220609-01 - ADW-20220606-02 - Vickie Hopkins - Complete](#)
112. [PRC-20220610-01 - ARW-20220610-01 - Will A. McCain - Complete](#)
113. [PRC-20220613-01 - ARW-20220613-01 - Austin Anders - Complete](#)
114. [PRC-20220622-01 - ADW-20220617-01 - Ciro Lambarria - Complete](#)
115. [PRC-20220629-01 - ADW-20220622-01/AOW-20220622-02 - AJ Dunbar Services LP - Pending](#)
116. [PRC-20220706-01 - ADW-20220630-01 - Gary and Claudia Easter - Complete](#)
117. [PRC-20220706-02 - ADW-20220701-01 - Craig and Heather Nairn - Complete](#)
118. [PRC-20220719-01 - ADW-20220715-01 - Larry Fly - Complete](#)
119. [PRC-20220725-01 - ARW-20220725-01 - Black Sheep Ag LLC - Complete](#)
120. [PRC-20220728-01 - AAPC-20220517-02 - Bowers & Saha Aquaculture, LLC - Complete](#)
121. [PRC-20220728-02 - AAPC-20220517-03 - HMC Land Trust - Complete](#)
122. [PRC-20220728-03 - ADW-20220630-02/AOW-20220630-03 - Lavaca Rio Ranch LLC - Pending](#)
123. [PRC-20220801-01 - ADW-20220728-01 - Mark Boname - Complete](#)
124. [PRC-20220803-01 - AAPC-20220802-01 - Quadvest LP - Complete](#)
125. [PRC-20220804-01 - ADW-20220803-01 - Donald and Evelyn Mamerow - Complete](#)
126. [PRC-20220810-01 - ARW-20220801-01 - Peter A. Beard - Complete](#)
127. [PRC-20220811-01 - ADW-20220805-01 - Ryan Hessong - Complete](#)
128. [PRC-20220811-02 - ADW-20220805-02 - William T. Hessong - Complete](#)
129. [PRC-20220811-03 - ARW--20220808-01 - Courtney Herrera - Complete](#)
130. [PRC-20220812-01 - ADW-20220809-01 - Richard Lang - Complete](#)
131. [PRC-20220812-02 - ARW-20220811-01 - Utah Dickerson Family LTD - Complete](#)
132. [PRC-20220812-03 - ARW-20220812-01 - Christopher and Jory Young - Complete](#)
133. [PRC-20220815-01 - ARW-20220815-01 - Telemond Tuch - Complete](#)
134. [PRC-20220815-02 - ARW-20220815-02 - Ardith Coyle - Complete](#)
135. [PRC-20220815-03 - ARW-20220815-03 - Aubrey C. Malik - Complete](#)
136. [PRC-20220815-04 - ARW-20220815-04 - Michael A. Konarik - Complete](#)
137. [PRC-20220815-05 - ARW-20220815-05 - Laya N. Clowers - Complete](#)
138. [PRC-20220817-01 - ARW-20220816-01 - Christopher and Lauren Hajovsky - Complete](#)

139. [PRC-20220817-02 - ARW-20220816-02 - Justin Rhame - Complete](#)
140. [PRC-20220817-03 - ARW-20220816-03 - Richard T. Adams - Complete](#)
141. [PRC-20220817-04 - ARW-20220816-04 - Beverly DuPont - Complete](#)
142. [PRC-20220817-05 - ARW-20220816-05 - Fred and Alene Stanford - Complete](#)
143. [PRC-20220817-06 - ARW-20220817-01 - Michael McLeod - Complete](#)
144. [PRC-20220818-01 - ADW-20220816-01 - Angelica Sanchez - Complete](#)
145. [PRC-20220818-02 - ARW-20220818-03 - Formosa Plastics Corporation, TX - Complete](#)
146. [PRC-20220818-03 - ARW-20220818-04 - Forza Operators, LLC - Complete](#)
147. [PRC-20220823-01 - ARW-20220818-05 - Blake and Whitney Repka - Complete](#)
148. [PRC-20220823-02 - ARW-20220818-06 - Kim McCain - Complete](#)
149. [PRC-20220823-03 - ARW-20220818-07 - Kenny Marek - Complete](#)
150. [PRC-20220823-04 - ARW-20220823-01 - Shawn Tanner - Complete](#)
151. [PRC-20220824-01 - ARW-20220823-02 - Meredith Marie Walters - Complete](#)
152. [PRC-20220824-02 - ARW-20220823-03 - Dianna Stanger - Complete](#)
153. [PRC-20220824-03 - ARW-20220823-04 - Lavaca Rio Ranch, LLC - Complete](#)
154. [PRC-20220824-04 - ARW-20220824-01 - Billy and Brittani G. Cortes - Cortes](#)
155. [PRC-20220829-01 - ADW-20220824-01 - Ruth Stephenson, Life Estate - Complete](#)
156. [PRC-20220829-02 - ADW-20220826-01 - Mark and Victoria Behrens - Complete](#)
157. [PRC-20220830-01 - ARW-20140227-03/ARW-20210318-02 - Russel K. Ring - Complete](#)
158. [PRC-20220831-01 - ARW-20220830-02 - Wayne Ward - Complete](#)
159. [PRC-20220831-02 - ARW-20220823-05 - Ceanne and Glenn Webb - Complete](#)
160. [PRC-20220831-03 - ARW-20220831-01 - Donald Kovar - Complete](#)
161. [PRC-20220831-04 - ARW-20220831-02 - Justin Hayden and Christina Hayden - Complete](#)
162. [PRC-20220907-01 - ARW-20220830-01 - Colin S. Pittman - Complete](#)
163. [PRC-20220907-02 - ARW-20220907-01 - Julie K. and Donnie J. Mercer - Complete](#)
164. [PRC-20220912-01 - ARW-20220815-01 - Sarah Kahanek ETAL - Complete](#)
165. [PRC-20220913-01 - ADW-20220906-01 - Henry & Allison Cunningham - Complete](#)
166. [PRC-20220928-01 - ARW-20220912-02/AVW-20220912-04 - The Ranches at Mustang Creek, LLC - Pending](#)
167. [PRC-20220930-01 - ARW-20220930-01 - Ryan Head - Complete](#)

**Evidence of Achievement:** Permitting request cases initiated during the fiscal year that remain pending.

1. [PRC-20220629-01 - ADW-20220622-01/AOW-20220622-02 - AJ Dunbar Services LP - Pending](#)
2. [PRC-20220728-03 - ADW-20220630-02/AOW-20220630-03 - Lavaca Rio Ranch LLC - Pending](#)
3. [PRC-20220928-01 - ARW-20220912-02/AVW-20220912-04 - The Ranches at Mustang Creek, LLC - Pending](#)

**Evidence of Achievement:** Well registration requests received during fiscal year.

1. [ARW-20211026-01 - Quadvest LP - WL-20211026-01 - Administratively Complete](#)
2. [ARW-20211102-01 - Harlan J. and Glenda K. Specht - WL-20201029-04 - Administratively Complete](#)
3. [ARW-20211102-02 - Rushell Cattle Co., LLC - WL-20201029-05 - Administratively Complete](#)
4. [ARW-20211102-03 - Thomas L. Roznovsky - WL-20201029-03 - Administratively Complete](#)
5. [ARW-20211102-04 - Timothy D. Wootan - WL-20210204-01 - Administratively Complete](#)
6. [ARW-20211103-01 - Dustin and Holly Kana - WL-20210208-01 - Administratively Complete](#)
7. [ARW-20211103-02 - Dustin and Holly Kana - WL-20210208-02 - Administratively Complete](#)
8. [ARW-20211103-03 - Mary Meredith Johnson Estate - WL-20210208-03 - Administratively Complete](#)
9. [ARW-20211103-04 - Tommie Tyler, Jr - WL-20210208-04 - Administratively Complete](#)
10. [ARW-20211103-05 - Gary Chapline - WL-20210208-05 - Administratively Complete](#)
11. [ARW-20211103-06 - Cole Macek - WL-20210208-06 - Administratively Complete](#)
12. [ARW-20211103-07 - James Frank Bailey - WL-20210319-01 - Administratively Complete](#)
13. [ARW-20211103-08 - Madeline Novian Trust - WL-20210220-05 - Administratively Complete](#)
14. [ARW-20211109-01 - Danny Sless - WL-20200320-01 - Administratively Complete](#)
15. [ARW-20211109-02 - Albert Cabla - WL-20200320-04 - Administratively Complete](#)

16. [ARW-20211110-01 - Eric and Natalie Aguilar - WL-20200114-02 - Administratively Complete](#)
17. [ARW-20211110-02 - Cris Bone - WL-20200114-05 - Administratively Complete](#)
18. [ARW-20211110-03 - Decker Operating - WL-20200114-17 - Administratively Complete](#)
19. [ARW-20211129-01 - Lavaca-Navidad River Authority - WL-20211129-01 - Administratively Complete](#)
20. [ARW-20211206-01 - Frances Byrne - WL-20211203-01 - Administratively Complete](#)
21. [ARW-20211206-02 - HMC Land Trust - WL-20211206-01 - Administratively Complete](#)
22. [ARW-20211216-01 - Shane and Jill Sklar - WL-20210413-01 - Administratively Complete](#)
23. [ARW-20211216-02 - D and W Kubecka Limited Partnership - WL-20210413-02 - Administratively Complete](#)
24. [ARW-20211216-03 - John Richard Ginn - WL-20210413-03 - Administratively Complete](#)
25. [ARW-20211216-04 - Alfred Glenn and Danielle Gabrysch - WL-20210413-04 - Administratively Complete](#)
26. [ARW-20211216-05 - Case Silliman - WL-20211129-02 - Administratively Complete](#)
27. [ARW-20211216-06 - J. David Stewart - WL-20211129-03 - Administratively Complete](#)
28. [ARW-20211216-07 - Reynaldo D. Navarro - WL-20211129-04 - Administratively Complete](#)
29. [ARW-20211216-08 - Breanna Dix - WL-20211129-06 - Administratively Complete](#)
30. [ARW-20211216-09 - Dan Rutherford - WL-20211129-07 - Administratively Complete](#)
31. [ARW-20211216-10 - Yvette Smith - WL-20211129-08 - Administratively Complete](#)
32. [ARW-20211229-01 - Hector Salinas - WL-20211117-01 - Administratively Complete](#)
33. [ARW-20220105-01 - Craig and Darla Killen - WL-20220104-01 - Administratively Complete](#)
34. [ARW-20220105-02 - Berry Kuhlman, Jr - WL-20211129-09 - Administratively Complete](#)
35. [ARW-20220105-03 - Ryan Pape - WL-20211129-10 - Administratively Complete](#)
36. [ARW-20220105-04 - Miranda Poppe - WL-20211129-11 - Administratively Complete](#)

37. [ARW-20220105-05 - Christian Litsey and Mary Ramsey - WL-20211129-12 - Administratively Complete](#)
38. [ARW-20220113-01 - Joshua Dalton - WL-20211129-13 - Administratively Complete](#)
39. [ARW-20220113-02 - Joshua Dalton - WL-20211129-14 - Administratively Complete](#)
40. [ARW-20220113-03 - Ryan and Lauree Tomas - WL-20211129-15 - Administratively Complete](#)
41. [ARW-20220113-04 - Jesse Debord - WL-20211129-17 - Administratively Complete](#)
42. [ARW-20220113-05 - Cole and Cassie Hicks - WL-20211129-18 - Administratively Complete](#)
43. [ARW-20220117-01 - Dustin Clay and Delia Grifaldo Tomanek - WL-20211129-19 - Administratively Complete](#)
44. [ARW-20220117-02 - Samuel Thompson - WL-20211129-20 - Administratively Complete](#)
45. [ARW-20220117-03 - Miguel Angel Chombo S. - 20211129-21 - Administratively Complete](#)
46. [ARW-20220117-04 - Kyle and Marissa Stignani - WL-20211129-22 - Administratively Complete](#)
47. [ARW-20220117-05 - Garrett and Harley Snyder - WL-20211129-23 - Administratively Complete](#)
48. [ARW-20220119-01 - Robert and Lori O'Connor - WL-20211129-24 - Administratively Complete](#)
49. [ARW-20220309-01 - Hughes Legacy, LLC - WL-20211222-01 - Administratively Complete](#)
50. [ARW-20220316-01 - Thomas L. Peterson - WL-20220316-01 - Administratively Complete](#)
51. [ARW-20220317-01 - Stacy Bermea - WL-20211209-01 - Administratively Complete](#)
52. [ARW-20220405-01 - Lavaca-Navidad River Authority - WL-20220405-01 - Administratively Complete](#)
53. [ARW-20220412-01 - Rhonda Treadwell - WL-20220211-01 - Administratively Complete](#)
54. [ARW-20220504-01 - Rian and Kathrine Juranek - WELLLOGID - Administratively Complete](#)
55. [ARW-20220504-02 - Rian and Katherine Juranek - WELLLOGID - Administratively Complete](#)

56. [ARW-20220510-01 - Alan P. Swenson, Brian M. Swenson and Sharon S. Highnote - WL-20220131-01 - Administratively Complete](#)
57. [ARW-20220601-01 - Blaine Rozner & Courtney Janecek - WL-20160425-01 - Administratively Complete](#)
58. [ARW-20220610-01 - Will A. McCain - WL-20160811-06 - Administratively Complete](#)
59. [ARW-20220613-01 - Austin Anders - WL-20160811-09 - Administratively Complete](#)
60. [ARW-20220725-01 - Black Sheep Ag LLC - WL-20220520-23 - Administratively Complete](#)
61. [ARW-20220801-01 - Peter A. Beard - WL-20160225-01 - Administratively Complete](#)
62. [ARW-20220811-01 - Utah Dickerson Family LTD - WL-20130411-05 - Administratively Complete](#)
63. [ARW-20220812-01 - Christopher and Jory Young - WL-20220627-02 - Administratively Complete](#)
64. [ARW-20220815-01 - Sarah Kahane ETAL - WL-20170418-01 - Administratively Complete](#)
65. [ARW-20220815-01 - Telemond Tuch - WL-20171027-03 - Administratively Complete](#)
66. [ARW-20220815-02 - Ardith Coyle - WL-20171027-04 - Administratively Complete](#)
67. [ARW-20220815-03 - Aubrey C. Malik - WL-20171027-07 - Administratively Complete](#)
68. [ARW-20220815-04 - Michael A. Korarik - WL-20171027-08 - Administratively Complete](#)
69. [ARW-20220815-05 - Laya N. Clowers - WL-20180601-01 - Administratively Complete](#)
70. [ARW-20220815-06 - Joshua & Catherine Ozment - WL-20160405-01 - Administratively Incomplete](#)
71. [ARW-20220816-01 - Christopher and Lauren Hajovsky - WL-20220211-02 - Administratively Complete](#)
72. [ARW-20220816-02 - Justin Rhame - WL-20220211-03 - Administratively Complete](#)
73. [ARW-20220816-03 - Richard T. Adams - WL-20220329-01 - Administratively Complete](#)
74. [ARW-20220816-04 - Beverly DuPont - WL-20220329-02 - Administratively Complete](#)



75. [ARW-20220816-05 - Fred and Alene Stanford - WL-20220329-03 - Administratively Complete](#)
76. [ARW-20220817-01 - Michael McLeod - WL-20220329-05 - Administratively Complete](#)
77. [ARW-20220818-03 - Formosa Plastics Corporation, TX - WL-20220329-06 - Administratively Complete](#)
78. [ARW-20220818-04 - Forza Operators, LLC - WL-20180713-02 - Administratively Complete](#)
79. [ARW-20220818-05 - Blake and Whitney Repka - WL-20220506-01 - Administratively Complete](#)
80. [ARW-20220818-06 - Kim McCain - WL-20220506-02 - Administratively Complete](#)
81. [ARW-20220818-07 - Kenny Marek - WL-20220506-03 - Administratively Complete](#)
82. [ARW-20220823-01 - Shawn Tanner - WL-20160718-04 - Administratively Complete](#)
83. [ARW-20220823-02 - Meredith Marie Walters - WL-20220506-04 - Administratively Complete](#)
84. [ARW-20220823-03 - Dianna Stanger - WL-20220519-01 - Administratively Complete](#)
85. [ARW-20220823-04 - Lavaca Rio Ranch, LLC - WL-20220519-03 - Administratively Complete](#)
86. [ARW-20220823-05 - Ceanne and Glenn Webb - WL-20220519-09 - Administratively Complete](#)
87. [ARW-20220824-01 - Billy and Brittani G. Cortes - WL-20120822-02 - Administratively Complete](#)
88. [ARW-20220830-01 - Colin S. Pittman - WL-20160516-07 - Administratively Complete](#)
89. [ARW-20220830-02 - Wayne Ward - WL-20160503-03 - Administratively Complete](#)
90. [ARW-20220831-01 - Donald Kovar - WL-20220519-12 - Administratively Complete](#)
91. [ARW-20220831-02 - Justin Hayden and Christina Hayden - WL-20220520-14 - Administratively Complete](#)
92. [ARW-20220907-01 - Julie K. and Donnie J. Mercer - WL-20220907-01 - Administratively Complete](#)
93. [ARW-20220912-01 - The Ranches at Mustang Creek, LLC - WELLOGID - Administratively Complete](#)
94. [ARW-20220912-02 - The Ranches at Mustang Creek, LLC - WELLOGID - Administratively Complete](#)



95. [ARW-20220912-03 - The Ranches at Mustang Creek, LLC - WELLOGID - Administratively Complete](#)
96. [ARW-20220919-01 - L and S Ellis Land - WL-20200219-02 - Administratively Complete](#)
97. [ARW-20220930-01 - Ryan Head - WL-20220815-01 - Administratively Complete](#)

Links to Well Registration Certificate Atlas Notes:

- [Certificate Atlas - WRC - GW-00001 to R1GW-00452 - 20211011](#)
  - Last Grandfathered Well ID: GW-00567
- [Certificate Atlas - WRC - NW-00001 to NW-00554 - 20211011](#)
  - Last Non-Grandfathered Well ID: NW-00554
- [Certificate Atlas - WRC - GW-00001 to GW-00253 - 20221228](#)
- [Certificate Atlas - WRC - GW-00254 to NW-00022 - 20221228](#)
  - Last Grandfathered Well ID: GW-00571
- [Certificate Atlas - WRC - NW-00023 to NW-00288 - 20221228](#)
- [Certificate Atlas - WRC - NW-00289 to NW-00539 - 20221228](#)
- [Certificate Atlas - WRC - NW-00540 to R1GW-00537 - 20221228](#)
  - Last Non-Grandfathered Well ID: NW-00710

**Evidence of Achievement:** Production permit requests received during fiscal year.

1. [Production Permit Requests - AOW-20211008-01 - Hector Salinas - Administratively Complete](#)
2. [Production Permit Requests - AOW-20220518-01 - Quadvest LP - Administratively Complete](#)
3. [Production Permit Requests - AOW-20220622-02 - AJ Dunbar Services LP - Administratively Complete](#)
4. [Production Permit Requests - AOW-20220630-03 - Jason Delorenzo - Administratively Complete](#)
5. [Production Permit Requests - AVW-20220912-04 - The Ranches at Mustang Creek, LLC - Administratively Complete](#)
6. [Production Permit Requests - AVW-20220512-01 - Quadvest LP - Administratively Complete](#)

**Evidence of Achievement:** Production permit amendment requests received during fiscal year.

1. [Amend Permit or Certificate Requests - AAPC-20220104-01 - Heath S. Radley - VPW-20170216-06/GW-00301 - Administratively Complete](#)

2. [Amend Permit or Certificate Requests - AAPC-20220104-02 - Heath S. Radley - VPW-20170216-05/GW-00349 - Administratively Complete](#)
3. [Amend Permit or Certificate Requests - AAPC-20220104-03 - Heath S. Hadley - GW-00261-GW-00267 - Administratively Complete](#)
4. [Amend Permit or Certificate Requests - AAPC-20220106-01 - Tanza Granite, Inc. - OPW-20200225-02/NW-00493 - Administratively Complete](#)
5. [Amend Permit or Certificate Requests - AAPC-20220117-01 - Bowers & Saha Aquaculture, LLC - AP-20121203-14/OPWF-20191219-01/CERTIFICATE ID - Administratively Complete](#)
6. [Amend Permit or Certificate Requests - AAPC-20220124-01 - Jonathan Winkler - PERMITID/GW-00324 - Administratively Complete](#)
7. [Amend Permit or Certificate Requests - AAPC-20220422-01 - Wayne Koop - PERMITID/GW-00398 - Administratively Complete](#)
8. [Amend Permit or Certificate Requests - AAPC-20220517-02 - Bowers & Saha Aquaculture, LLC - GW-00110-00116/GW-00130/R1GW-00452/NW-00143-147/00494-0495/498/00527/00551-553/ - Administratively Complete](#)
9. [Amend Permit or Certificate Requests - AAPC-20220517-03 - HMC Land Trust - OPW-20201125-02/VPW-20210121-03/GW-00558/NW-00574 - Administratively Complete](#)
10. [Amend Permit or Certificate Requests - AAPC-20220802-01 - Quadvest LP - VPW-20220721-01/OPW-20220721-02/GW-00568 - Administratively Complete](#)

**Evidence of Achievement:** Production permit renewal requests received during fiscal year.

1. [Production Permit Renewal Requests - ARPP-20220325-01 - OPW-20180719-03 - Lavaca Navidad River Authority - Administratively Complete](#)
2. [Production Permit Renewal Requests - ARPP-20220325-02 - OPW-20180719-04 - Lavaca Navidad River Authority - Administratively Complete](#)
3. [Production Permit Renewal Requests - ARPP-20220325-03 - OPW-20180719-05 - Lavaca Navidad River Authority - Administratively Complete](#)
4. [Production Permit Renewal Requests - ARPP-20220325-04 - OPW-20180719-06 - Lavaca Navidad River Authority - Administratively Complete](#)
5. [Production Permit Renewal Requests - ARPP-20220325-05 - OPW-20180719-02 - Lavaca Navidad River authority - Administratively Complete](#)
6. [Production Permit Renewal Requests - ARPP-20220325-06 - OPW-20180719-01 - Lavaca Navidad River Authority - Administratively Complete](#)

**Evidence of Achievement:** Production permits approved during fiscal year.

1. [Production Permits - OPW-20211101-01 - Serenity RV Resort LP - Executed](#)
2. [Production Permits - OPW-20220118-01 - Hector Salinas - Executed](#)
3. [Production Permits - OPW-20220718-02 - AJ Dunbar Services LP - Approved](#)
4. [Production Permits - OPW-20220721-02 - Quadvest LP - Executed](#)
5. [Production Permits - OPW-20220818-02 - Lavaca Rio Ranch LLC - Approved](#)
6. [Production Permits - VPW-20220721-01 - Quadvest LP - Executed](#)

**Evidence of Achievement:** Production permit amendments approved during fiscal year.

1. [Production Permits - PPA-20211012-01 - Laddie Lee Krenek - Executed](#)
2. [Production Permits - PPA-20220106-02 - Tanza Granite, Inc. - Executed](#)
3. [Production Permits - PPA-20220210-01 - Heath S. Radley - Approved/Unexecuted](#)
4. [Production Permits - PPA-20220210-02 - Heath S. Radley - Approved/Unexecuted](#)
5. [Production Permits - PPA-20220411-01 - Bowers and Saha Aquaculturere LLC - Executed](#)
6. [Production Permits - PPA-20220411-02 - Bowers and Saha Aquaculture LLC - Executed](#)
7. [Production Permits - PPA-20220519-01 - Dorothy Jacobs Koop Life Estate - Approved/Unexecuted](#)
8. [Production Permits - PPA-20220803-01 - Nextera Water Texas LLC - Executed](#)
9. [Production Permits - PPA-20220803-02 - Nextera Water Texas LLC - Executed](#)
10. [Production Permits - PPA-20220804-01 - HMC Land Trust - Approved/Unexecuted](#)
11. [Production Permits - PPA-20220804-02 - HMC Land Trust - Approved/Unexecuted](#)

**Evidence of Achievement:** Production permits renewals approved during fiscal year.

1. [Production Permit Renewal - OPWR-20220421-01 - OPW-20180719-01 - Lavaca-Navidad River Authority - Executed](#)
2. [Production Permit Renewal - OPWR-20220421-02 - OPW-20180719-02 - Lavaca-Navidad River Authority - Executed](#)
3. [Production Permit Renewal - OPWR-20220421-03 - OPW-20180719-03 - Lavaca-Navidad River Authority - Executed](#)
4. [Production Permit Renewal - OPWR-20220421-04 - OPW-20180719-04 - Lavaca-Navidad River Authority - Executed](#)
5. [Production Permit Renewal - OPWR-20220421-05 - OPW-20180719-05 - Lavaca-Navidad River Authority - Executed](#)
6. [Production Permit Renewal - OPWR-20220421-06 - OPW-20180719-06 - Lavaca-Navidad River Authority - Executed](#)

See:

[Matter For Consideration - MFC-20211019-3.1 - Report regarding Groundwater Management](#)

[Matter For Consideration - MFC-20220120-4.1 - Report regarding Groundwater Management](#)

[Matter For Consideration - MFC-20220120-4.1 - Report regarding Groundwater Management](#)

[Matter For Consideration - MFC-20220120-4.2 - Groundwater Production Permits](#)

[Matter For Consideration - MFC-20220120-4.3 - Groundwater Production](#)

[Matter For Consideration - MFC-20220421-3.1 - Report regarding Groundwater Management](#)

[Matter For Consideration - MFC-20220421-3.2 - Groundwater Production Permits](#)

[Matter For Consideration - MFC-20220421-3.3 - Groundwater Production](#)

[Matter For Consideration - MFC-20220721-3.0 - Report regarding Groundwater Management](#)

[Matter For Consideration - MFC-20220721-3.1 - Groundwater Production Permits](#)

[Matter For Consideration - MFC-20220721-3.2 - Groundwater Production](#)

[Matter For Consideration - MFC-20220818-3.0 - Report regarding Groundwater Management](#)

TGCD - Statistics of Active and Approved Production Permit as of 20220930.png

Statistics	
Production Permit Areas - Filtered: "Permit Status" IN ('Active','Approved')	
1.2 Production Rate AFY	
Statistic	Value
Count	148
Sum	167437
Mean	1131.33
Median	926
St dev (pop)	1140.06
St dev (sample)	1143.93
Minimum	0.092
Maximum	5884
Range	5883.91

**Goal 2: Controlling and preventing waste of groundwater** - TWC §36.1071(a)(2) and 31 TAC 356.52(a)(1)(B)

**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.

**Evidence of Achievement:** Well inspections completed during the fiscal year..

1. [Well Inspections - WIF-20211202-01 - GW-00446](#)
2. [Well Inspections - WIF-20211202-02 - GW-00444](#)
3. [Well Inspections - WIF-20211202-03 - GW-00092](#)
4. [Well Inspections - WIF-20211209-01 - NW-00451](#)
5. [Well Inspections - WIF-20211209-02 - GW-00446](#)
6. [Well Inspections - WIF-20211209-03 - GW-00444](#)
7. [Well Inspections - WIF-20211209-04 - GW-00092](#)
8. [Well Inspections - WIF-20211209-05 - GW-00091](#)
9. [Well Inspections - WIF-20211209-06 - GW-00090](#)
10. [Well Inspections - WIF-20211220-01 - NW-00451](#)
11. [Well Inspections - WIF-20211220-02 - GW-00446](#)
12. [Well Inspections - WIF-20211220-03 - GW-00444](#)
13. [Well Inspections - WIF-20211220-04 - GW-00092](#)
14. [Well Inspections - WIF-20211220-06 - GW-00090](#)

**Evidence of Achievement:** Well inspections completed and site visited during the fiscal year.

1. [Permitting Receipts - NIPCR-000398 - DP-YYYYMMDD-SQ - Dane Kubecka - Inspected: Yes](#)
2. [Permitting Receipts - NIPCR-000409 - DP-20220210-01 - High Cotton Land Company - Inspected: Yes](#)
3. [Permitting Receipts - NIPCR-000417 - DP-20211122-02 - Leonardo Briones Mendoza - Inspected: Yes](#)
4. [Permitting Receipts - NIPCR-000418 - DP-20211118-01 - Waiming Seto - Inspected: Yes](#)
5. [Permitting Receipts - NIPCR-000419 - DP-20220331-01 - Sandra Green - Inspected: Yes](#)

6. [Permitting Receipts - NIPCR-000420 - DP-YYYYMMDD-SQ - New Century - Inspected: Yes](#)
7. [Permitting Receipts - NIPCR-000428 - DP-20220603-03 - Vincent and Tracee Price - Inspected: Yes](#)
8. [Permitting Receipts - NIPCR-000434 - DP-YYYYMMDD-SQ - Ryan Head - Inspected: Yes](#)

**Goal 3: Addressing conjunctive surface water management issues** – TWC  
 §36.1071(a)(4) and 31 TAC 356.52(a)(1)(D)

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

**Evidence of Achievement:** Minutes of meetings of the Lavaca Regional Water Planning Group with representatives in attendance held during the fiscal year.

Source: <http://lnra.org/water/lavaca-regional-water-planning-group>

Source: <https://www.lnra.org/meeting-minutes/>

 TGCD- LRWPG Minutes for 20220516... 33 kB

 TGCD- LRWPG Minutes for 20220919... 51 kB

**Goal 4: 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 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.

**Evidence of Achievement:** Water quality field measurements collected during the fiscal year.

1. [Water Quality Field Measurement - WQFM-20211004.0954 - East UB-DAMW - NW-00487](#)
2. [Water Quality Field Measurement - WQFM-20211004.1005 - East LF-DAMW - NW-00488](#)

3. [Water Quality Field Measurement - WQFM-20211004.1026 - Center UB-DAMW - NW-00489](#)
4. [Water Quality Field Measurement - WQFM-20211004.1036 - Center LF-DAMW - NW-00490](#)
5. [Water Quality Field Measurement - WQFM-20211004.1100 - West UB-DAMW - NW-00491](#)
6. [Water Quality Field Measurement - WQFM-20211004.1108 - West LF-DAMW - NW-00492](#)
7. [Water Quality Field Measurement - WQFM-20211101.0950 - East UB-DAMW - NW-00487](#)
8. [Water Quality Field Measurement - WQFM-20211101.1000 - East LF-DAMW - NW-00488](#)
9. [Water Quality Field Measurement - WQFM-20211101.1028 - Center UB-DAMW - NW-00489](#)
10. [Water Quality Field Measurement - WQFM-20211101.1035 - Center LF-DAMW - NW-00490](#)
11. [Water Quality Field Measurement - WQFM-20211101.1100 - West UB-DAMW - NW-00491](#)
12. [Water Quality Field Measurement - WQFM-20211101.1112 - West LF-DAMW - NW-00492](#)
13. [Water Quality Field Measurement - WQFM-20211201.0947 - East UB-DAMW - NW-00487](#)
14. [Water Quality Field Measurement - WQFM-20211201.0959 - East LF-DAMW - NW-00488](#)
15. [Water Quality Field Measurement - WQFM-20211201.1024 - Center UB-DAMW - NW-00489](#)
16. [Water Quality Field Measurement - WQFM-20211201.1034 - Center LF-DAMW - NW-00490](#)
17. [Water Quality Field Measurement - WQFM-20211201.1106 - West UB-DAMW - NW-00491](#)
18. [Water Quality Field Measurement - WQFM-20211201.1116 - West LF-DAMW - NW-00492](#)
19. [Water Quality Field Measurement - WQFM-20211202.1008 - GW-00446](#)
20. [Water Quality Field Measurement - WQFM-20211202.1039 - GW-00444](#)
21. [Water Quality Field Measurement - WQFM-20211202.1132 - GW-00092](#)
22. [Water Quality Field Measurement - WQFM-20211202.1209 - GW-00091](#)



23. [Water Quality Field Measurement - WQFM-20211202.1242 - GW-00090](#)
24. [Water Quality Field Measurement - WQFM-20211202.1330 - NW-00451](#)
25. [Water Quality Field Measurement - WQFM-20211209.0938 - NW-00451](#)
26. [Water Quality Field Measurement - WQFM-20211209.1012 - GW-00446](#)
27. [Water Quality Field Measurement - WQFM-20211209.1046 - GW-00444](#)
28. [Water Quality Field Measurement - WQFM-20211209.1131 - GW-00092](#)
29. [Water Quality Field Measurement - WQFM-20211209.1201 - GW-00091](#)
30. [Water Quality Field Measurement - WQFM-20211209.1313 - GW-00090](#)
31. [Water Quality Field Measurement - WQFM-20211220.0922 - NW-00451](#)
32. [Water Quality Field Measurement - WQFM-20211220.1035 - GW-00446](#)
33. [Water Quality Field Measurement - WQFM-20211220.1111 - GW-00444](#)
34. [Water Quality Field Measurement - WQFM-20211220.1203 - GW-00092](#)
35. [Water Quality Field Measurement - WQFM-20211220.1237 - GW-00090](#)
36. [Water Quality Field Measurement - WQFM-20211230.1046 - East UB-DAMW - NW-00487](#)
37. [Water Quality Field Measurement - WQFM-20211230.1056 - East LF-DAMW - NW-00488](#)
38. [Water Quality Field Measurement - WQFM-20220103.1019 - East UB-DAMW - NW-00487](#)
39. [Water Quality Field Measurement - WQFM-20220103.1030 - East LF-DAMW - NW-00488](#)
40. [Water Quality Field Measurement - WQFM-20220103.1050 - Center UB-DAMW - NW-00489](#)
41. [Water Quality Field Measurement - WQFM-20220103.1102 - Center LF-DAMW - NW-00490](#)
42. [Water Quality Field Measurement - WQFM-20220103.1102 - Center LF-DAMW - NW-00490](#)
43. [Water Quality Field Measurement - WQFM-20220103.1121 - West UB-DAMW - NW-00491](#)
44. [Water Quality Field Measurement - WQFM-20220103.1131 - West LF-DAMW - NW-00492](#)
45. [Water Quality Field Measurement - WQFM-20220201.0953 - East UB-DAMW - NW-00487](#)
46. [Water Quality Field Measurement - WQFM-20220201.1006 - East LF-DAMW - NW-00488](#)



47. [Water Quality Field Measurement - WQFM-20220201.1027 - Center UB-DAMW - NW-00489](#)
48. [Water Quality Field Measurement - WQFM-20220201.1036 - Center LF-DAMW - NW-00490](#)
49. [Water Quality Field Measurement - WQFM-20220201.1059 - West UB-DAMW - NW-00491](#)
50. [Water Quality Field Measurement - WQFM-20220201.1107 - West LF-DAMW - NW-00492](#)
51. [Water Quality Field Measurement - WQFM-20220217.0937 - GW-00566](#)
52. [Water Quality Field Measurement - WQFM-20220217.1037 - GW-00562](#)
53. [Water Quality Field Measurement - WQFM-20220217.1109 - GW-00090](#)
54. [Water Quality Field Measurement - WQFM-20220217.1133 - GW-00091](#)
55. [Water Quality Field Measurement - WQFM-20220217.1254 - GW-00251](#)
56. [Water Quality Field Measurement - WQFM-20220217.1348 - GW-00244](#)
57. [Water Quality Field Measurement - WQFM-20220217.1439 - GW-00247](#)
58. [Water Quality Field Measurement - WQFM-20220303.1015 - East UB-DAMW - NW-00487](#)
59. [Water Quality Field Measurement - WQFM-20220303.1028 - East LF-DAMW - NW-00488](#)
60. [Water Quality Field Measurement - WQFM-20220303.1044 - Center UB-DAMW - NW-00489](#)
61. [Water Quality Field Measurement - WQFM-20220303.1051 - Center LF-DAMW - NW-00490](#)
62. [Water Quality Field Measurement - WQFM-20220303.1108 - West UB-DAMW - NW-00491](#)
63. [Water Quality Field Measurement - WQFM-20220303.1113 - West LF-DAMW - NW-00492](#)
64. [Water Quality Field Measurement - WQFM-20220401.0958 - East UB-DAMW - NW-00487](#)
65. [Water Quality Field Measurement - WQFM-20220401.1035 - Center LF-DAMW - NW-00490](#)
66. [Water Quality Field Measurement - WQFM-20220401.1102 - East LF-DAMW - NW-00488](#)
67. [Water Quality Field Measurement - WQFM-20220401.1145 - Center UB-DAMW - NW-00489](#)

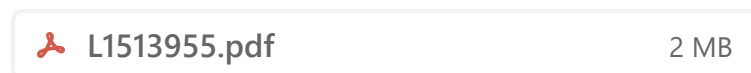
68. [Water Quality Field Measurement - WQFM-20220401.1233 - West UB-DAMW - NW-00491](#)
69. [Water Quality Field Measurement - WQFM-20220401.1233- West LF-DAMW - NW-00492](#)
70. [Water Quality Field Measurement - WQFM-20220502.0950 - East UB-DAMW - NW-00487](#)
71. [Water Quality Field Measurement - WQFM-20220502.1022 - East LF-DAMW - NW-00488](#)
72. [Water Quality Field Measurement - WQFM-20220502.1052 - Center UB-DAMW - NW-00489](#)
73. [Water Quality Field Measurement - WQFM-20220502.1120 - Center LF-DAMW - NW-00490](#)
74. [Water Quality Field Measurement - WQFM-20220502.1203 - West UB-DAMW - NW-00491](#)
75. [Water Quality Field Measurement - WQFM-20220502.1222 - West LF-DAMW - NW-00492](#)
76. [Water Quality Field Measurement - WQFM-20220601.0947 - East UB-DAMW - NW-00487](#)
77. [Water Quality Field Measurement - WQFM-20220601.1033 - East LF-DAMW - NW-00488](#)
78. [Water Quality Field Measurement - WQFM-20220601.1058 - Center UB-DAMW - NW-00489](#)
79. [Water Quality Field Measurement - WQFM-20220601.1122 - Center LF-DAMW - NW-00490](#)
80. [Water Quality Field Measurement - WQFM-20220601.1211 - West UB-DAMW - NW-00491](#)
81. [Water Quality Field Measurement - WQFM-20220601.1228 - West LF-DAMW - NW-00492](#)
82. [Water Quality Field Measurement - WQFM-20220711.0950 - East LF-DAMW - NW-00488](#)
83. [Water Quality Field Measurement - WQFM-20220719.0928- GW-00451](#)
84. [Water Quality Field Measurement - WQFM-20220719.1000- GW-00446](#)
85. [Water Quality Field Measurement - WQFM-20220719.1024- GW-00444](#)
86. [Water Quality Field Measurement - WQFM-20220719.1045- GW-00090](#)
87. [Water Quality Field Measurement - WQFM-20220719.1110- GW-00092](#)

88. [Water Quality Field Measurement - WQFM-20220802.0950 - East LF-DAMW - NW-00488](#)
89. [Water Quality Field Measurement - WQFM-20220802.1003 - East UB-DAMW - NW-00487](#)
90. [Water Quality Field Measurement - WQFM-20220802.1025 - Center LF-DAMW - NW-00490](#)
91. [Water Quality Field Measurement - WQFM-20220802.1028 - Center UB-DAMW - NW-00489](#)
92. [Water Quality Field Measurement - WQFM-20220802.1125 - West LF-DAMW - NW-00492](#)
93. [Water Quality Field Measurement - WQFM-20220803.1102 - West UB-DAMW - NW-00491](#)
94. [Water Quality Field Measurement - WQFM-20220830.1005 - WELLID](#)
95. [Water Quality Field Measurement - WQFM-20220901.1029 - East UB-DAMW - NW-00487](#)
96. [Water Quality Field Measurement - WQFM-20220901.1053 - East LF-DAMW - NW-00488](#)
97. [Water Quality Field Measurement - WQFM-20220901.1131 - Center UB-DAMW - NW-00489](#)
98. [Water Quality Field Measurement - WQFM-20220901.1152 - Center LF-DAMW - NW-00490](#)
99. [Water Quality Field Measurement - WQFM-20220901.1227 - West UB-DAMW - NW-00491](#)
100. [Water Quality Field Measurement - WQFM-20220901.1248 - West LF-DAMW - NW-00492](#)

**Evidence of Achievement:** Water quality lab reports received during the fiscal year.

1. [Water Quality Lab Report - WQLR-20220720.1357](#)
2. [Water Quality Lab Report - WQLR-20220722.0840](#)
3. [Water Quality Lab Report - WQLR-20220722.0840](#)

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**Evidence of Achievement:** Water quality lab measurements recorded during the fiscal year.

1. [Water Quality Lab Measurement - WQLM-20220712.0922 - GW-00180](#)
2. [Water Quality Lab Measurement - WQLM-20220712.0946 - NW-00270](#)
3. [Water Quality Lab Measurement - WQLM-20220712.1041 - NW-00272](#)
4. [Water Quality Lab Measurement - WQLM-20220712.1106 - GW-00183](#)
5. [Water Quality Lab Measurement - WQLM-20220712.1131 - NW-00383](#)

TGCD - Statistics on Field Measurements of Conductivity - FY2022.png

Statistics	
Field Measurements - Conductivity - Filter: "Measurement Date" > '2021-09-30' and "Measurement Date" < '2022-10-01'	
1.2 Parameter Measurement	
Statistic	Value
Count	84
Sum	269173
Mean	3204.44
Median	1004
St dev (pop)	3621.3
St dev (sample)	3643.05
Minimum	11.9
Maximum	12800
Range	12788.1
Missing (null) values	0

TGCD - Statistics on Lab Measurements of Conductivity - FY2022.png

Statistics	
° ° Lab Measurements - Filter: "Sample Collection Date" > '2021-09-30' and "Sample Collection Date" < '2022-10-01' and "Analyte" = 'Conductivity, Specific (µmhos/cm)'	
1.2 Analyte Measurement	
Statistic	Value
Count	6
Sum	18780
Mean	3130
Median	2240
St dev (pop)	1579.13
St dev (sample)	1729.86
Minimum	1640
Maximum	5810
Range	4170
Missing (null) values	0

**Goal 5: Addressing drought conditions** – TWC §36.1071(a)(6) and 31 TAC 356.52(a)(1) (F)

**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/>.

**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.

**Evidence of Achievement:** Meeting minutes with drought condition considered during the fiscal year.

1. [Meeting Minutes - 20211019 - Board of Directors](#)
  1. [Matter For Consideration - MFC-20211019-5.2 - Drought Monitoring](#)
2. [Meeting Minutes - 20211118 - Board of Directors](#)
  1. [Matter For Consideration - MFC-20211118-6.2 - Drought Monitoring](#)
3. [Meeting Minutes - 20220120 - Board of Directors](#)
  1. [Matter For Consideration - MFC-20220120-6.3 - Drought Monitoring](#)
4. [Meeting Minutes - 20220721 - Board of Directors](#)
  1. [Matter For Consideration - MFC-20220721-5.3 - Drought Monitoring](#)

**Goal 6: 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 1:** Promote conservation, rainwater harvesting, or brush control within Jackson 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.

**Evidence of Achievement:** Meeting minutes with promotion of groundwater conservation considered and website promotion of groundwater conservation during the fiscal year.

1. [Meeting Minutes - 20220120 - Board of Directors](#)
  1. [Matter For Consideration - MFC-20220120-7.1 - Report regarding Groundwater Conservation](#)
  2. [Meeting Minutes - 20220421 - Board of Directors](#)
    1. [Matter For Consideration - MFC-20220421-6.1 - Report regarding Groundwater Conservation](#)

TGCD - Website Update - Conservation Webpage - 20220517.pdf



**Goal 7: 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 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.

**Evidence of Achievement:** Water level measurements collected during the fiscal year.

1. [Water Level - WLM-20211004-01 - East UB-DAMW - NW-00487](#)
2. [Water Level - WLM-20211004-02 - East LF-DAMW - NW-00488](#)

3. [Water Level - WLM-20211004-03 - Center UB-DAMW - NW-00489](#)
4. [Water Level - WLM-20211004-04 - Center LF-DAMW - NW-00490](#)
5. [Water Level - WLM-20211004-05 - West UB-DAMW - NW-00491](#)
6. [Water Level - WLM-20211004-06 - West LF-DAMW - NW-00492](#)
7. [Water Level - WLM-20211101-01 - East UB-DAMW - NW-00487](#)
8. [Water Level - WLM-20211101-02 - East LF-DAMW - NW-00488](#)
9. [Water Level - WLM-20211101-03 - Center UB-DAMW - NW-00489](#)
10. [Water Level - WLM-20211101-04 - Center LF-DAMW - NW-00490](#)
11. [Water Level - WLM-20211101-05 - West UB-DAMW - NW-00491](#)
12. [Water Level - WLM-20211101-06 - West LF-DAMW - NW-00492](#)
13. [Water Level - WLM-20211201-01 - East UB-DAMW - NW-00487](#)
14. [Water Level - WLM-20211201-02 - East LF-DAMW - NW-00488](#)
15. [Water Level - WLM-20211201-03 - Center UB-DAMW - NW-00489](#)
16. [Water Level - WLM-20211201-04 - Center LF-DAMW - NW-00490](#)
17. [Water Level - WLM-20211201-05 - West UB-DAMW - NW-00491](#)
18. [Water Level - WLM-20211201-06 - West LF-DAMW - NW-00492](#)
19. [Water Level - WLM-20211202-01 - GW-00446](#)
20. [Water Level - WLM-20211202-02 - GW-00444](#)
21. [Water Level - WLM-20211202-03 - GW-00092](#)
22. [Water Level - WLM-20211202-04 - GW-00090](#)
23. [Water Level - WLM-20211202-05 - NW-00451](#)
24. [Water Level - WLM-20211209-01 - NW-00451](#)
25. [Water Level - WLM-20211209-02 - GW-00446](#)
26. [Water Level - WLM-20211209-03 - GW-00444](#)
27. [Water Level - WLM-20211209-04 - GW-00092](#)
28. [Water Level - WLM-20211209-05 - GW-00090](#)
29. [Water Level - WLM-20211220-01 - NW-00451](#)
30. [Water Level - WLM-20211220-02 - GW-00446](#)
31. [Water Level - WLM-20211220-03 - GW-00444](#)
32. [Water Level - WLM-20211220-04 - GW-00092](#)
33. [Water Level - WLM-20211220-05 - GW-00090](#)
34. [Water Level - WLM-20211230-01 - East UB-DAMW - NW-00487](#)
35. [Water Level - WLM-20211230-02 - East LF-DAMW - NW-00488](#)
36. [Water Level - WLM-20220103-01 - East UB-DAMW - NW-00487](#)
37. [Water Level - WLM-20220103-02 - East LF-DAMW - NW-00488](#)
38. [Water Level - WLM-20220103-03 - Center UB-DAMW - NW-00489](#)

39. [Water Level - WLM-20220103-04 - Center LF-DAMW - NW-00490](#)
40. [Water Level - WLM-20220103-05 - West UB-DAMW - NW-00491](#)
41. [Water Level - WLM-20220103-06 - West LF-DAMW - NW-00492](#)
42. [Water Level - WLM-20220201-01 - East UB-DAMW - NW-00487](#)
43. [Water Level - WLM-20220201-02 - East LF-DAMW - NW-00488](#)
44. [Water Level - WLM-20220201-03 - Center UB-DAMW - NW-00489](#)
45. [Water Level - WLM-20220201-04 - Center LF-DAMW - NW-00490](#)
46. [Water Level - WLM-20220201-05 - West UB-DAMW - NW-00491](#)
47. [Water Level - WLM-20220201-06 - West LF-DAMW - NW-00492](#)
48. [Water Level - WLM-20220216-01 - NW-00195 - Front Well](#)
49. [Water Level - WLM-20220216-02 - GW-00410 - Back Well](#)
50. [Water Level - WLM-20220216-03 - GW-00411 - Middle Well](#)
51. [Water Level - WLM-20220216-04 - GW-00320](#)
52. [Water Level - WLM-20220216-05 - GW-00278](#)
53. [Water Level - WLM-20220217-01 - GW-00566](#)
54. [Water Level - WLM-20220217-02 - GW-00562](#)
55. [Water Level - WLM-20220217-03 - GW-00090 - House Well](#)
56. [Water Level - WLM-20220217-04 - GW-00251 - Barn Well](#)
57. [Water Level - WLM-20220217-05 - GW-00244 - Silo Well](#)
58. [Water Level - WLM-20220217-06 - GW-00247 - Cattle Well](#)
59. [Water Level - WLM-20220217-07 - GW-00276](#)
60. [Water Level - WLM-20220218-01 - NW-00451](#)
61. [Water Level - WLM-20220218-02 - GW-00082 - Front Well](#)
62. [Water Level - WLM-20220218-03 - GW-00076 - Back Well](#)
63. [Water Level - WLM-20220218-04 - GW-00075 - Middle Well](#)
64. [Water Level - WLM-20220218-05 - GW-00077 - Right](#)
65. [Water Level - WLM-20220218-06 - GW-00073 - Left Well](#)
66. [Water Level - WLM-20220218-07 - GW-00385](#)
67. [Water Level - WLM-20220218-08 - GW-00291](#)
68. [Water Level - WLM-20220218-09 - GW-00292](#)
69. [Water Level - WLM-20220218-10 - NW-00310](#)
70. [Water Level - WLM-20220218-11 - GW-00285](#)
71. [Water Level - WLM-20220221-01 - GW-00294](#)
72. [Water Level - WLM-20220303-01 - East UB-DAMW - NW-00487](#)
73. [Water Level - WLM-20220303-02 - East LF-DAMW - NW-00488](#)
74. [Water Level - WLM-20220303-03 - Center UB-DAMW - NW-00489](#)

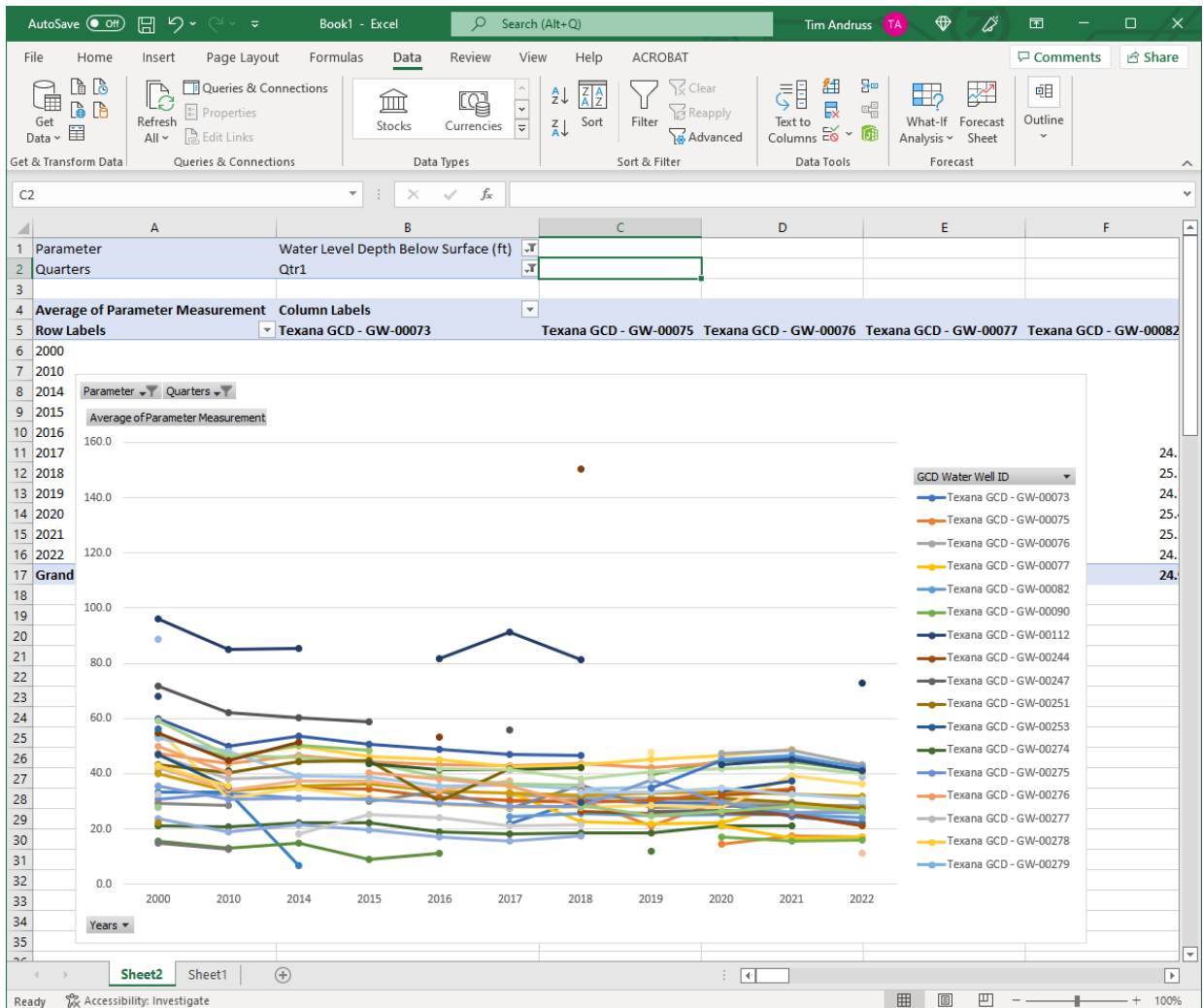


75. [Water Level - WLM-20220303-04 - Center LF-DAMW - NW-00490](#)
76. [Water Level - WLM-20220303-05 - West UB-DAMW - NW-00491](#)
77. [Water Level - WLM-20220303-06 - West LF-DAMW - NW-00492](#)
78. [Water Level - WLM-20220401-01 - East UB-DAMW - NW-00487](#)
79. [Water Level - WLM-20220401-02 - East LF-DAMW - NW-00488](#)
80. [Water Level - WLM-20220401-03 - Center UB-DAMW - NW-00489](#)
81. [Water Level - WLM-20220401-04 - Center LF-DAMW - NW-00490](#)
82. [Water Level - WLM-20220401-05 - West UB-DAMW - NW-00491](#)
83. [Water Level - WLM-20220412-01 - East UB-DAMW - NW-00487](#)
84. [Water Level - WLM-20220412-02 - East LF-DAMW - NW-00488](#)
85. [Water Level - WLM-20220412-03 - Center UB-DAMW - NW-00489](#)
86. [Water Level - WLM-20220412-04 - Center LF-DAMW - NW-00490](#)
87. [Water Level - WLM-20220412-05 - West UB-DAMW - NW-00491](#)
88. [Water Level - WLM-20220412-06 - West LF-DAMW - NW-00492](#)
89. [Water Level - WLM-20220502-01 - East UB-DAMW - NW-00487](#)
90. [Water Level - WLM-20220502-02 - East LF-DAMW - NW-00488](#)
91. [Water Level - WLM-20220502-03 - Center UB-DAMW - NW-00489](#)
92. [Water Level - WLM-20220502-04 - Center LF-DAMW - NW-00490](#)
93. [Water Level - WLM-20220502-05 - West UB-DAMW - NW-00491](#)
94. [Water Level - WLM-20220502-06 - West LF-DAMW - NW-00492](#)
95. [Water Level - WLM-20220601-01 - East UB-DAMW - NW-00487](#)
96. [Water Level - WLM-20220601-02 - East LF-DAMW - NW-00488](#)
97. [Water Level - WLM-20220601-03 - Center UB-DAMW - NW-00489](#)
98. [Water Level - WLM-20220601-04 - Center LF-DAMW - NW-00490](#)
99. [Water Level - WLM-20220601-05 - West UB-DAMW - NW-00491](#)
100. [Water Level - WLM-20220601-06 - West LF-DAMW - NW-00492](#)
101. [Water Level - WLM-20220719-01 - GW-00451](#)
102. [Water Level - WLM-20220719-02 - GW-00446](#)
103. [Water Level - WLM-20220719-03 - NW-00444](#)
104. [Water Level - WLM-20220719-04 - GW-00090](#)
105. [Water Level - WLM-20220802-01 - East UB-DAMW - NW-00487](#)
106. [Water Level - WLM-20220802-02 - East LF-DAMW - NW-00488](#)
107. [Water Level - WLM-20220802-04 - Center LF-DAMW - NW-00490](#)
108. [Water Level - WLM-20220802-06 - West LF-DAMW - NW-00492](#)
109. [Water Level - WLM-20220803-03 - Center UB-DAMW - NW-00489](#)
110. [Water Level - WLM-20220803-05 - West UB-DAMW - NW-00491](#)

- 111. [Water Level - WLM-20220901-01 - East UB-DAMW - NW-00487](#)
- 112. [Water Level - WLM-20220901-02 - East LF-DAMW - NW-00488](#)
- 113. [Water Level - WLM-20220901-03 - Center UB-DAMW - NW-00489](#)
- 114. [Water Level - WLM-20220901-04 - Center LF-DAMW - NW-00490](#)
- 115. [Water Level - WLM-20220901-05 - West UB-DAMW - NW-00491](#)
- 116. [Water Level - WLM-20220901-06 - West LF-DAMW - NW-00492](#)

See: [Matter For Consideration - MFC-20220721-5.1 - Report regarding Groundwater Monitoring.](#)

The graph below illustrates the water level measurements stored within the groundwater monitoring database. Generally, the depth to water has remained constant or decreased from the first quarter of year 2021 to the first quarter of year 2022.



TGCD - Statistics on Field Measurements of Water Levels - FY2022.png

Statistics	
Field Measurements - Water Level Depth Below Surface - Filter: "Measurement Date" > '2021-09-30' and "Measurement Date" < '2022-10-01'	
1.2 Parameter Measurement	
Statistic	Value
Count	97
Sum	3176.02
Mean	32.7425
Median	36.25
St dev (pop)	15.1512
St dev (sample)	15.2299
Minimum	0
Maximum	72.65
Range	72.65
Missing (null) values	0

**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.

**Evidence of Achievement:** Minutes of meeting with consideration of achievement of desired future conditions during the fiscal year.

1. [Meeting Minutes - 20220721 - Board of Directors](#)
  1. [Matter For Consideration - MFC-20220721-5.1 - Report regarding Groundwater Monitoring](#)

Intera - Report re Update Water Level Analysis - 20220630.pdf

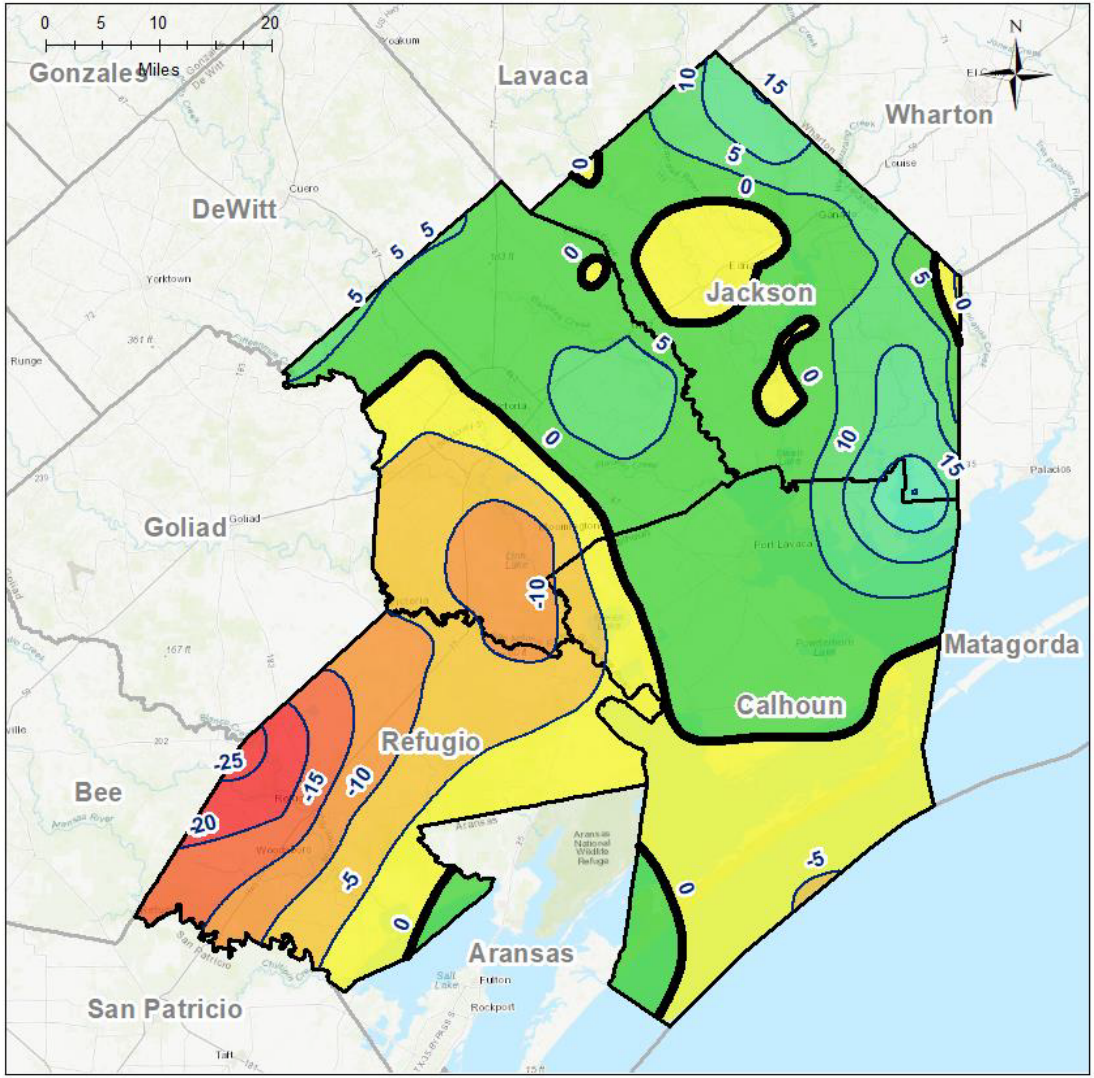


On June 30, 2022, Dr. Young of Intera submitted the report titled Application of Geostatistical Techniques to Interpret Measured 2021 Water Levels and district-specific

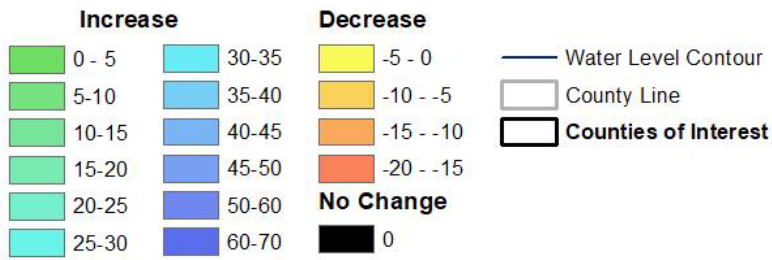
presentations titled Geostatistical Technique to Assess and to Evaluate Changes in Water Levels regarding the update of water level assessments for the Chicot and Evangeline Aquifers in Refugio, Calhoun, Victoria, and Jackson Counties.

The report contained the following county-wide estimates for Jackson County between year 2000 and 2021:

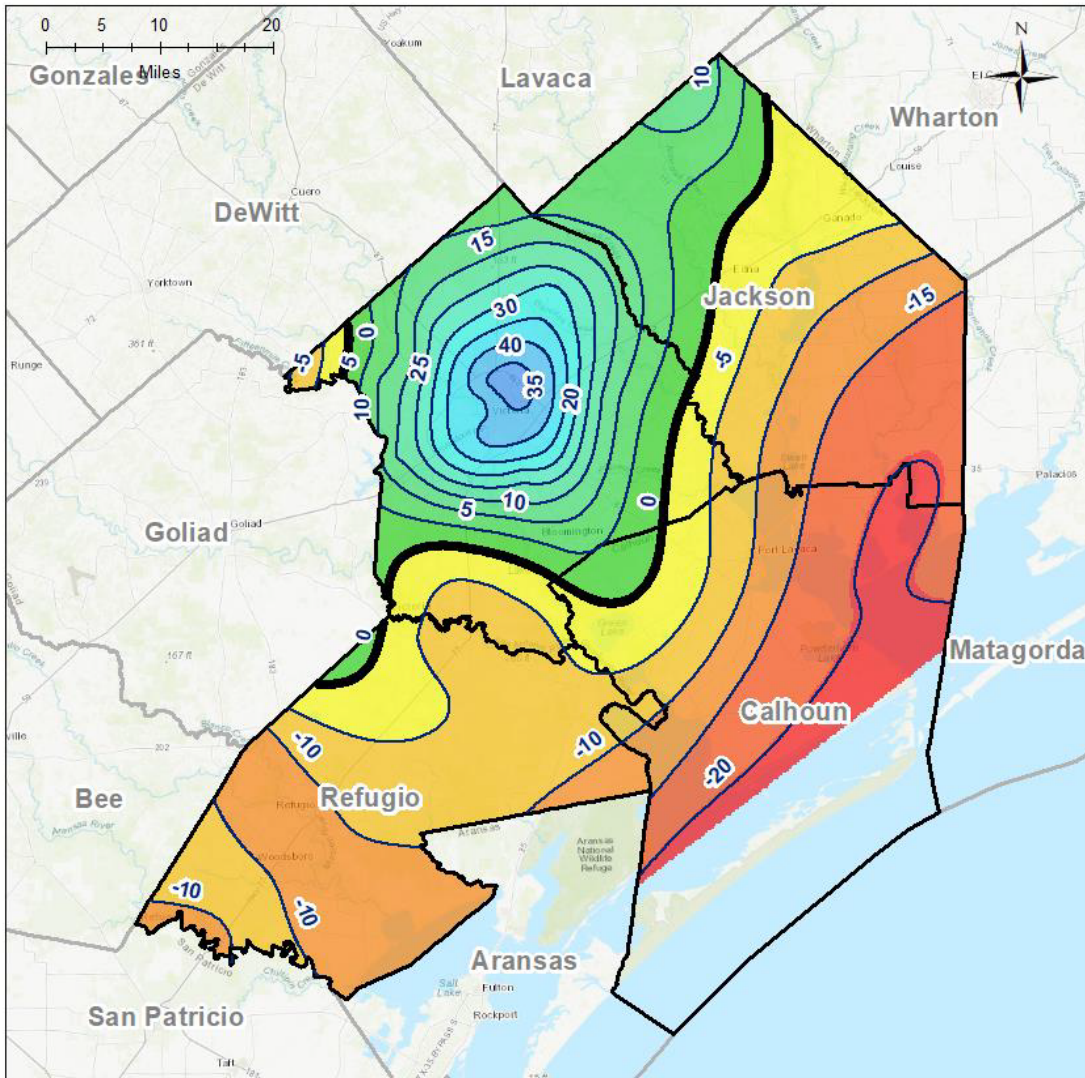
- the water level change of the Chicot Aquifer was +4.1 feet.
- the water level change of the Evangeline Aquifer was -4.9 feet.
- the combined water level change of the Chicot and Evangeline Aquifers was -0.3 feet.



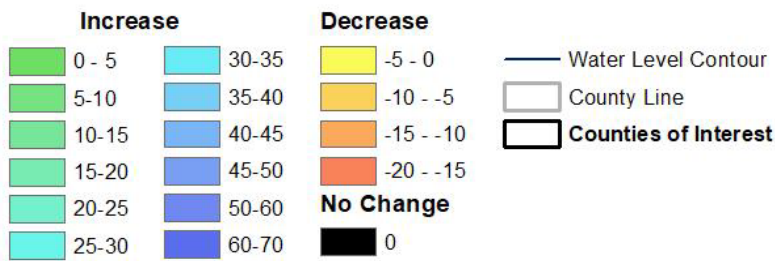
**Change in Water Levels (ft) for Chicot: 2000-2021**







**Change in Water Levels (ft) for Evangeline: 2000-2021**



The report presents annual water level estimates and water level changes as compared to year 2000.

Table 3 Average annual water level (ft, msl) and change in the average annual water level for Jackson County for the Chicot Aquifer, the Evangeline Aquifer and the Chicot & Evangeline aquifers

Aquifer	Water Level/ Change	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Chicot	avg. WL (ft)	21.3	19.3	23.4	26.5	26.5	29.3	23.0	29.9	30.7	26.4	27.1	28.1	20.2	23.6	20.3	22.1	20.6	25.9	25.7	26.2	28.0	25.4
	change (ft)*	0.0	-2.0	2.1	5.2	5.2	8.0	1.7	8.6	9.4	5.1	5.8	6.8	-1.1	2.2	-1.0	0.8	-0.7	4.6	4.4	4.9	6.7	4.1
Evangeline	avg. WL (ft)	17.0	19.2	21.8	21.0	22.0	22.0	21.5	32.6	27.5	20.9	17.1	19.6	6.2	20.4	1.7	12.0	21.0	17.4	-3.5	15.4	15.9	12.1
	change (ft)*	0.0	2.3	4.9	4.0	5.1	5.1	4.6	15.7	10.6	3.9	0.1	2.6	-10.7	3.4	-15.2	-4.9	4.1	0.4	-20.4	-1.5	-1.0	-4.9
Chicot & Evangeline	avg. WL (ft)	19.0	19.1	22.5	23.6	24.2	25.6	22.2	31.2	29.0	23.5	22.0	23.8	13.1	21.9	11.0	16.9	20.7	21.5	11.0	20.8	21.9	18.7
	change (ft)*	0.0	0.1	3.5	4.6	5.2	6.6	3.1	12.2	10.0	4.5	3.0	4.8	-5.9	2.8	-8.1	-2.1	1.7	2.5	-8.0	1.7	2.9	-0.3

\* change is measured relative to the year 2000; avg WL is measured relative to mean sea level

The 3-year average of water level change- between year 2019 and 2021 is +1.4 feet. The use of a 3-year average of water level changes moderates the effects of the estimates of a single year and represents a measure of the recent trend. The consideration of the 3-year average water level change in the context of the measurement distribution offers a possibility that the condition of the aquifer is significantly better than the water level change from year 2000 to year 2021 indicates.

# TGCD - Adm - OPM - Annual Report for FY2022 - Section 3

## Section 3 - Minutes of the Meetings of the Board of Directors

1. [TGCD - Adm - MM - Meeting Minutes - 20211019 - Board of Directors](#)
2. [TGCD - Adm - MM - Meeting Minutes - 20211118 - Board of Directors](#)
3. [TGCD - Adm - MM - Meeting Minutes - 20220120 - Board of Directors](#)
4. [TGCD - Adm - MM - Meeting Minutes - 20220421 - Board of Directors](#)
5. [TGCD - Adm - MM - Meeting Minutes - 20220721 - Board of Directors](#)
6. [TGCD - Adm - MM - Meeting Minutes - 20220818 - Board of Directors](#)
7. [TGCD - Adm - MM - Meeting Minutes - 20220922 - Board of Directors](#)

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