Victoria County Groundwater Conservation District
Fiscal Year 2016 – 2017
October 1, 2016 to September 30, 2017
Annual Report

Adopted: April 20, 2018

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

The Management Plan of the District, as adopted on August 16, 2013 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 Victoria County 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 Victoria County Groundwater Conservation Board of Directors."

Based on the review of the activities and projects of the Victoria County Groundwater Conservation District Management Plan between October 1, 2016 and September 30, 2017, the District has determined that seven goals and associated objectives, based on an assessment of the performance standards, have been fully achieved during 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 G1O1: Develop and maintain a water well registration program for tracking well information for wells within Victoria 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 maintaining a water well registration program for tracking well information for wells within Victoria County. The District registered 308 non-grandfathered wells and 213 grandfathered wells in FY16-17.

Number of non-grandfathered wells registered with the District as October 2016: 762 wells
Number of non-grandfathered wells registered with the District as September 2017: 975 wells

Number of grandfathered wells registered with the District as October 2016: 777 wells
Number of grandfathered wells registered with the District as September 2017: 1069 wells

Achievement Level: ☑ **Full** | ☐ **Partial** | ☐ **None**

Objective G1O2: 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 maintaining a water well permitting program for processing and tracking all permits authorizing groundwater production within Victoria County. The District issued 6 production permits during the fiscal year. The total volume of permitted groundwater production for the permits totals 275.96 acre-feet per year. The

District received 6 groundwater production permit requests during the fiscal year with 5 applications approved and 1 application pending.

Achievement Level: ☑ **Full** | ☐ **Partial** | ☐ **None**

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

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 maintaining a water well inspection program during the fiscal year. The District has performed 142 well inspections during the fiscal year. Of those wells inspected, 2 wells require improvement to control or prevent waste of groundwater.

Achievement Level: ☑ Full | ☐ Partial | ☐ None

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

Objective G3O1: Participate in the regional water planning process by attending at least one South Central Texas 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 South Central Texas Regional Water Planning Group attended.

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

Achievement Level: ☑ Full | ☐ Partial | ☐ None

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 G4O1: 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-to-year change of water quality.

The District addressed natural resource issues which impact the use and availability of groundwater by maintaining a water quality monitoring program during the fiscal year. The District collected aquifer measurements on 28 dates during the fiscal year and processed 59 separate water quality measurement events. The District continues to collect valuable aquifer measurement to support the future assessment of water quality change; based on a review of the water quality information a significant change in water quality was not identified.

Achievement Level: ☑ Full | ☐ Partial | ☐ None

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

Objective G5O1: Collect and review drought condition information related to Victoria 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 Victoria 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 in the following months: October 2016, November 2016, December 2016, January 2017, March 2017, April 2017, May 2017, August 2017, and September 2017.

Achievement Level: ☑ Full | ☐ Partial | ☐ None

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 G6O1: Promote conservation, rainwater harvesting or brush control within Victoria 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 addressed and promoted conservation, recharge enhancement, rainwater harvesting, precipitation enhancement, or brush control by participating in scientific investigations and studies, public speaking events and presentations at community events. The District attended and operated an information booth at the South Texas Farm and Ranch show in October 2016 at which promotional materials relating to groundwater conservation, recharge enhancement, rainwater harvesting and brush control were on display and distributed to show attendees.

Achievement Level: ☑ Full | ☐ Partial | ☐ None

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 G7O1: 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 maintaining a water level monitoring program during the fiscal year. The District collected 138 separate water level measurement from water wells within Victoria County. An analysis of water level measurements stored within the District's databases produced the following tables.

Table A. The following table displays the average water level (feet below the surface) by year for all wells with water level measurements within the District's database. The average water level of wells measured in year 2000 was 60.3 feet below the surface. The average water level of wells measured in year 2017 was 49.9 feet below the surface.

Table A.	2000	2009	2010	2011	2012	2013	2014	2015	2016	2017
Avg. Water Level (Depth Below Surface)	60.3	52.0	49.6	52.4	53.3	54.5	54.5	53.4	50.3	49.9

Table B. The following table displays the average water level (feet below the surface) by year for wells with recent measurements of water level within the District's database. The average water level of wells measured in year 2000 was 44.9 feet below the surface. The average water level of wells measured in year 2017 was 49.8 feet below the surface.

Table B.	2000	2009	2010	2011	2012	2013	2014	2015	2016	2017
Avg. Water Level (Depth Below Surface)	44.9	52.5	50.3	53.9	54.2	55.7	55.3	54.2	51.3	49.8

Table C. The following table displays the average water level (feet below the surface) by year for wells with Year 2000 measurements and recent measurements of water level within the District's database. The average water level of wells measured in year 2000 was 50.2 feet below the surface. The average water level of wells measured in year 2017 was 45.6 feet below the surface.

Table C.	2000	2009	2010	2011	2012	2013	2014	2015	2016	2017
Avg. Water Level (Depth Below Surface)	**50.2**	**46.7**	**45.8**	**48.0**	**49.2**	**50.8**	**47.7**	**49.7**	**47.2**	**45.6**

Achievement Level: ☑ Full | ☐ Partial | ☐ None

Objective G7O2: 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 Victoria 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 Victoria County.

The District addressed the desired future conditions adopted by the District and analyzed the recent water level trends. Based on the water level measurements collected for Victoria County, the District concludes that the water levels within Victoria County indicate groundwater level recovery of 4.6 feet and therefore compliance with the District's drawdown-based desired future condition.

Achievement Level: ☑ Full | ☐ Partial | ☐ None

Section 2 - Evidence of Achievement

Goal 1: **Providing the most efficient use of groundwater -** TWC §36.1071(a)(1) and 31 TAC 356.52(a)(1)(A)
Objective G1O1: Develop and maintain a water well registration program for tracking well information for wells within Victoria County.
Evidence of Achievement:
Last Well Registration Certificates Created in FY16-17
VCGCD - GMa - Pe - Well Registration Certificates - WRC - GW-000975
VCGCD - GMa - Pe - Well Registration Certificates - WRC - NW-001069

Objective G1O2: Develop and maintain a water well permitting program for processing and tracking all permits authorizing groundwater production.
Evidence of Achievement:

1. VCGCD - GMa - PR - Production Permit Requests - AOW-20161024-05 - Niazi Family Investments, LTD - Closed/Approved
2. VCGCD - GMa - PR - Production Permit Requests - AOW-20161116-02 - Jonathan M. Petru - Closed/Approved
3. VCGCD - GMa - PR - Production Permit Requests - AOW-20170110-02 - Tillie R. Grimes - Administratively Complete
4. VCGCD - GMa - PR - Production Permit Requests - AOW-20170317-03 - Rice Group LP - Administratively Complete
5. VCGCD - GMa - PR - Production Permit Requests - AOW-20170821-02 - John Kennedy - Administratively Complete
6. VCGCD - GMa - PR - Production Permit Requests - AVW-20170627-02 - John Smajstrla - Administratively Complete

1. VCGCD - GMa - Pe - Production Permits - OPW-20161021-01 - Natalie & Craig Mechura - Executed
2. VCGCD - GMa - Pe - Production Permits - OPW-20161216-02 - Jonathan M. Petru - Approved/Pending
3. VCGCD - GMa - Pe - Production Permits - OPW-20161216-04 - Niazi Family Investements, Ltd. - Approved/Unexecuted
4. VCGCD - GMa - Pe - Production Permits - OPW-20170221-02 - Tillie R. Grimes - Draft/Unexecuted
5. VCGCD - GMa - Pe - Production Permits - OPW-20170421-01 - Rice Group LP - Executed
6. VCGCD - GMa - Pe - Production Permits - VPW-20170818-01 - John W. Smajstrla - Executed

Goal 2: Controlling and preventing waste of groundwater - TWC §36.1071(a)(2) and 31 TAC 356.52(a)(1)(B)
Objective G2O1: Develop and maintain a water well inspection program for non-exempt wells. .
Evidence of Achievement:

1. VCGCD - GP - Insp - Well Inspections - WIF-20161024-01 - GW-000951
2. VCGCD - GP - Insp - Well Inspections - WIF-20161026-02 - GW-000781
3. VCGCD - GP - Insp - Well Inspections - WIF-20170130-01 - NW-000944
4. VCGCD - GP - Insp - Well Inspections - WIF-20170207-01 - GW-000789
5. VCGCD - GP - Insp - Well Inspections - WIF-20170207-02 - GW-000589

6. VCGCD - GP - Insp - Well Inspections - WIF-20170207-03 - GW-000808
7. VCGCD - GP - Insp - Well Inspections - WIF-20170208-01 - GW-000803
8. VCGCD - GP - Insp - Well Inspections - WIF-20170215-01 - GW-000791
9. VCGCD - GP - Insp - Well Inspections - WIF-20170228-01 - GW-000861
10. VCGCD - GP - Insp - Well Inspections - WIF-20170228-02 - GW-000862
11. VCGCD - GP - Insp - Well Inspections - WIF-20170306-01 - GW-000376
12. VCGCD - GP - Insp - Well Inspections - WIF-20170327-01 - GW-000510
13. VCGCD - GP - Insp - Well Inspections - WIF-20170327-02 - GW-000607
14. VCGCD - GP - Insp - Well Inspections - WIF-20170327-03 - GW-000589
15. VCGCD - GP - Insp - Well Inspections - WIF-20170327-04 - GW-000578
16. VCGCD - GP - Insp - Well Inspections - WIF-20170327-05 - GW-000577
17. VCGCD - GP - Insp - Well Inspections - WIF-20170327-06 - GW-000587
18. VCGCD - GP - Insp - Well Inspections - WIF-20170327-07 - GW-000606
19. VCGCD - GP - Insp - Well Inspections - WIF-20170327-08 - GW-000617
20. VCGCD - GP - Insp - Well Inspections - WIF-20170327-09 - GW-000687
21. VCGCD - GP - Insp - Well Inspections - WIF-20170327-10 - GW-000544
22. VCGCD - GP - Insp - Well Inspections - WIF-20170327-11 - GW-000552
23. VCGCD - GP - Insp - Well Inspections - WIF-20170327-12 - GW-000158
24. VCGCD - GP - Insp - Well Inspections - WIF-20170327-13 - NW-000116
25. VCGCD - GP - Insp - Well Inspections - WIF-20170327-14 - GW-000159
26. VCGCD - GP - Insp - Well Inspections - WIF-20170327-15 - NW-000426
27. VCGCD - GP - Insp - Well Inspections - WIF-20170327-16 - GW-000599
28. VCGCD - GP - Insp - Well Inspections - WIF-20170327-17 - GW-000588
29. VCGCD - GP - Insp - Well Inspections - WIF-20170327-18 - GW-000494
30. VCGCD - GP - Insp - Well Inspections - WIF-20170327-19 - GW-000955
31. VCGCD - GP - Insp - Well Inspections - WIF-20170327-20 - GW-000603
32. VCGCD - GP - Insp - Well Inspections - WIF-20170327-21 - GW-000602
33. VCGCD - GP - Insp - Well Inspections - WIF-20170327-22 - GW-000601
34. VCGCD - GP - Insp - Well Inspections - WIF-20170327-23 - GW-000608
35. VCGCD - GP - Insp - Well Inspections - WIF-20170327-24 - GW-000722
36. VCGCD - GP - Insp - Well Inspections - WIF-20170327-25 - GW-000085
37. VCGCD - GP - Insp - Well Inspections - WIF-20170327-26 - GW-000609
38. VCGCD - GP - Insp - Well Inspections - WIF-20170327-27 - GW-000610
39. VCGCD - GP - Insp - Well Inspections - WIF-20170327-28 - GW-000611
40. VCGCD - GP - Insp - Well Inspections - WIF-20170327-29 - GW-000612
41. VCGCD - GP - Insp - Well Inspections - WIF-20170327-30 - NW-000030
42. VCGCD - GP - Insp - Well Inspections - WIF-20170327-31 - GW-000492
43. VCGCD - GP - Insp - Well Inspections - WIF-20170327-32 - GW-000375
44. VCGCD - GP - Insp - Well Inspections - WIF-20170327-33 - GW-000028
45. VCGCD - GP - Insp - Well Inspections - WIF-20170327-34 - GW-000239
46. VCGCD - GP - Insp - Well Inspections - WIF-20170327-35 - GW-000377
47. VCGCD - GP - Insp - Well Inspections - WIF-20170327-36 - GW-000366
48. VCGCD - GP - Insp - Well Inspections - WIF-20170327-37 - GW-000614
49. VCGCD - GP - Insp - Well Inspections - WIF-20170327-38 - GW-000735
50. VCGCD - GP - Insp - Well Inspections - WIF-20170327-39 - GW-000021
51. VCGCD - GP - Insp - Well Inspections - WIF-20170327-40 - GW-000339
52. VCGCD - GP - Insp - Well Inspections - WIF-20170328-01 - GW-000591
53. VCGCD - GP - Insp - Well Inspections - WIF-20170328-02 - GW-000590
54. VCGCD - GP - Insp - Well Inspections - WIF-20170328-03 - GW-000682
55. VCGCD - GP - Insp - Well Inspections - WIF-20170328-04 - GW-000227
56. VCGCD - GP - Insp - Well Inspections - WIF-20170328-05 - GW-000181
57. VCGCD - GP - Insp - Well Inspections - WIF-20170328-06 - GW-000101
58. VCGCD - GP - Insp - Well Inspections - WIF-20170328-07 - GW-000102
59. VCGCD - GP - Insp - Well Inspections - WIF-20170328-08 - GW-000489
60. VCGCD - GP - Insp - Well Inspections - WIF-20170328-09 - NW-000310
61. VCGCD - GP - Insp - Well Inspections - WIF-20170328-10 - GW-000767
62. VCGCD - GP - Insp - Well Inspections - WIF-20170328-11 - GW-000311
63. VCGCD - GP - Insp - Well Inspections - WIF-20170328-12 - GW-000595
64. VCGCD - GP - Insp - Well Inspections - WIF-20170328-13 - NW-000122
65. VCGCD - GP - Insp - Well Inspections - WIF-20170328-14 - GW-000150
66. VCGCD - GP - Insp - Well Inspections - WIF-20170328-15 - GW-000533

67. VCGCD - GP - Insp - Well Inspections - WIF-20170328-16 - GW-000562
68. VCGCD - GP - Insp - Well Inspections - WIF-20170328-17 - GW-000395
69. VCGCD - GP - Insp - Well Inspections - WIF-20170328-18 - GW-000576
70. VCGCD - GP - Insp - Well Inspections - WIF-20170328-19 - NW-000550
71. VCGCD - GP - Insp - Well Inspections - WIF-20170328-20 - NW-000438
72. VCGCD - GP - Insp - Well Inspections - WIF-20170330-01 - NW-000333
73. VCGCD - GP - Insp - Well Inspections - WIF-20170405-01 - GW-000047
74. VCGCD - GP - Insp - Well Inspections - WIF-20170405-02 - NW-000453
75. VCGCD - GP - Insp - Well Inspections - WIF-20170405-03 - NW-000165
76. VCGCD - GP - Insp - Well Inspections - WIF-20170426-01 - GW-000680
77. VCGCD - GP - Insp - Well Inspections - WIF-20170426-02 - GW-000964
78. VCGCD - GP - Insp - Well Inspections - WIF-20170426-03 - GW-000965
79. VCGCD - GP - Insp - Well Inspections - WIF-20170530-01 - NW-000666
80. VCGCD - GP - Insp - Well Inspections - WIF-20170606-01 - GW-000967
81. VCGCD - GP - Insp - Well Inspections - WIF-20170606-02 - GW-000970
82. VCGCD - GP - Insp - Well Inspections - WIF-20170606-03 - GW-000969
83. VCGCD - GP - Insp - Well Inspections - WIF-20170614-01 - GW-000971
84. VCGCD - GP - Insp - Well Inspections - WIF-20170628-01 - GW-000722
85. VCGCD - GP - Insp - Well Inspections - WIF-20170628-02 - GW-000588
86. VCGCD - GP - Insp - Well Inspections - WIF-20170630-01 - GW-000366
87. VCGCD - GP - Insp - Well Inspections - WIF-20170816-01 - NW-000744
88. VCGCD - GP - Insp - Well Inspections - WIF-20170925-01 - GW-000510
89. VCGCD - GP - Insp - Well Inspections - WIF-20170925-02 - GW-000607
90. VCGCD - GP - Insp - Well Inspections - WIF-20170925-03 - GW-000589
91. VCGCD - GP - Insp - Well Inspections - WIF-20170925-04 - GW-000578
92. VCGCD - GP - Insp - Well Inspections - WIF-20170925-05 - GW-000577
93. VCGCD - GP - Insp - Well Inspections - WIF-20170925-06 - GW-000587
94. VCGCD - GP - Insp - Well Inspections - WIF-20170925-07 - GW-000606
95. VCGCD - GP - Insp - Well Inspections - WIF-20170925-08 - GW-000617
96. VCGCD - GP - Insp - Well Inspections - WIF-20170925-09 - GW-000687
97. VCGCD - GP - Insp - Well Inspections - WIF-20170925-10 - GW-000544
98. VCGCD - GP - Insp - Well Inspections - WIF-20170925-11 - GW-000552
99. VCGCD - GP - Insp - Well Inspections - WIF-20170925-12 - GW-000158
100. VCGCD - GP - Insp - Well Inspections - WIF-20170925-13 - NW-000116
101. VCGCD - GP - Insp - Well Inspections - WIF-20170925-14 - GW-000159
102. VCGCD - GP - Insp - Well Inspections - WIF-20170925-15 - NW-000426
103. VCGCD - GP - Insp - Well Inspections - WIF-20170925-16 - GW-000599
104. VCGCD - GP - Insp - Well Inspections - WIF-20170925-17 - GW-000588
105. VCGCD - GP - Insp - Well Inspections - WIF-20170925-18 - GW-000494
106. VCGCD - GP - Insp - Well Inspections - WIF-20170925-19 - GW-000955
107. VCGCD - GP - Insp - Well Inspections - WIF-20170925-20 - GW-000602
108. VCGCD - GP - Insp - Well Inspections - WIF-20170925-21 - GW-000601
109. VCGCD - GP - Insp - Well Inspections - WIF-20170925-22 - GW-000608
110. VCGCD - GP - Insp - Well Inspections - WIF-20170925-23 - GW-000722
111. VCGCD - GP - Insp - Well Inspections - WIF-20170925-24 - GW-000085
112. VCGCD - GP - Insp - Well Inspections - WIF-20170925-25 - GW-000609
113. VCGCD - GP - Insp - Well Inspections - WIF-20170925-26 - GW-000612
114. VCGCD - GP - Insp - Well Inspections - WIF-20170925-27 - NW-000030
115. VCGCD - GP - Insp - Well Inspections - WIF-20170925-28 - GW-000492
116. VCGCD - GP - Insp - Well Inspections - WIF-20170925-29 - GW-000583
117. VCGCD - GP - Insp - Well Inspections - WIF-20170925-30 - GW-000610
118. VCGCD - GP - Insp - Well Inspections - WIF-20170925-31 - GW-000611
119. VCGCD - GP - Insp - Well Inspections - WIF-20170925-32 - GW-000028
120. VCGCD - GP - Insp - Well Inspections - WIF-20170925-33 - GW-000239
121. VCGCD - GP - Insp - Well Inspections - WIF-20170925-34 - GW-000377
122. VCGCD - GP - Insp - Well Inspections - WIF-20170925-35 - GW-000366
123. VCGCD - GP - Insp - Well Inspections - WIF-20170925-36 - GW-000614
124. VCGCD - GP - Insp - Well Inspections - WIF-20170925-37 - GW-000735
125. VCGCD - GP - Insp - Well Inspections - WIF-20170925-38 - GW-000021
126. VCGCD - GP - Insp - Well Inspections - WIF-20170925-39 - GW-000339
127. VCGCD - GP - Insp - Well Inspections - WIF-20170926-01 - NW-000122

128. VCGCD - GP - Insp - Well Inspections - WIF-20170926-02 - GW-000595
129. VCGCD - GP - Insp - Well Inspections - WIF-20170926-03 - GW-000311
130. VCGCD - GP - Insp - Well Inspections - WIF-20170926-04 - GW-000767
131. VCGCD - GP - Insp - Well Inspections - WIF-20170926-05 - GW-000489
132. VCGCD - GP - Insp - Well Inspections - WIF-20170927-01 - GW-000576
133. VCGCD - GP - Insp - Well Inspections - WIF-20170927-02 - NW-000550
134. VCGCD - GP - Insp - Well Inspections - WIF-20170927-03 - NW-000438
135. VCGCD - GP - Insp - Well Inspections - WIF-20170927-04 - GW-000395
136. VCGCD - GP - Insp - Well Inspections - WIF-20170927-05 - GW-000562
137. VCGCD - GP - Insp - Well Inspections - WIF-20170927-06 - GW-000533
138. VCGCD - GP - Insp - Well Inspections - WIF-20170927-07 - GW-000150
139. VCGCD - GP - Insp - Well Inspections - WIF-20170927-08 - GW-000192
140. VCGCD - GP - Insp - Well Inspections - WIF-20170927-09 - GW-000227
141. VCGCD - GP - Insp - Well Inspections - WIF-20170927-10 - GW-000181
142. VCGCD - GP - Insp - Well Inspections - WIF-20170927-11 - GW-000101

The following inspections identified wells that needed corrective action to prevent waste or potential contamination of groundwater

1. VCGCD - GP - Insp - Well Inspections - WIF-20170327-38 - GW-000735
2. VCGCD - GP - Insp - Well Inspections - WIF-20170328-02 - GW-000590

Goal 3: Controlling and preventing waste of groundwater - TWC §36.1071(a)(2) and 31 TAC 356.52(a)(1)(B)
Objective G3O1: Participate in the regional water planning process by attending at least one South Central Texas Regional Water Planning Group (Region L) meeting per year.
Evidence of Achievement:
Source: http://www.regionltexas.org/2017-rwpg-materials/

3. Approval of the Minutes from the November, 2016, Meeting of the South Central Texas Regional Water Planning Group (Region L)

Minutes of the
South Central Texas Regional Water Planning Group
November 3, 2016

Chairwoman Suzanne Scott called the meeting to order at 9:30 a.m. in the San Antonio Water System's (SAWS) Customer Service Building, Room CR 145, 2800 US Highway 281 North, San Antonio, Bexar County, Texas.

[illegible] of the 30 voting members or their designated alternates, were present.

Voting Members Present:

Tim Andruss
Gene Camargo
Rey Chavez
Will Conley
Don Dietzmann
Charlie Flatten
Art Dohman
Blair Fitzsimons
Vic Hilderbran
Kenneth Eller for Kevin Janak
Jay Troell for Russell Labus
John Kight
Glenn Lord
Doug McGooky
Dan Meyer
Gary Middleton
Con Mims
Kevin Patteson
Iliana Pena
Robert Puente
Steve Ramsey
Weldon Riggs
David Roberts
Roland Ruiz
Dianne Savage
Suzanne Scott
Greg Sengelmann
John Clack for Thomas Taggart
Dianne Wassenich
Adam Yablonski

Voting Members Absent
None

Non-Voting Members Present:
Ron Ellis, Texas Water Development Board (TWDB)
Marty Kelley, Texas Department of Parks and Wildlife
Ronald Fieseler, Region K Liaison
Don McGhee, Region M Liaison

Non-Voting Members Absent:
Dan Hunter, Texas Department of Agriculture
Charles Wiedenfeld, Region J Liaison

Beginning with the February 11, 2016, meeting of the South Central Texas Regional Water Planning Group, all recordings are available for the public at www.regionltexas.org.

All PowerPoint presentations and meeting materials referenced in the minutes are available in the meeting Agenda Packet at www.regionaltexas.org.

AGENDA ITEM NO. 1: PUBLIC COMMENT

Allen Montemayor, representing the Sierra Club, made comments about the Vista Ridge Pipeline, specifically that the pipeline reflects the California model of water planning that will cause unsupported growth in the region, and warned against the environmental impacts of the project.

Meredith McGuire spoke to the Planning Group about maximizing the use of rainwater. Dr. McGuire referenced a video she would share with group during the lunch break. A link to that video can be found here: https://www.treepeople.org/about/policy.

AGENDA ITEM NO. 2: APPROVAL OF THE MINUTES FROM THE AUGUST 4, 2016, MEETING OF THE SOUTH CENTRAL TEXAS REGIONAL WATER PLANNING GROUP (SCTRWPG)

Dianne Wassenich made a motion to approve the minutes from August 4, 2016, meeting of the SCTRWPG. Rey Chavez seconded the motion. There were no objections. The motion passed by consensus

AGENDA ITEM NO. 3: SELECTION OF REPRESENTATIVE TO FILL COUNTIES VACANCY ON SOUTH CENTRAL TEXAS REGIONAL WATER PLANNING GROUP (SCTRWPG)

Chairwoman Scott presented the SCTRWPG Executive Committee's recommendations to the Planning Group to fill the Counties vacancy, which was postponed from the August 4, 2016, meeting to the November 3, 2016 meeting (*see* .August 4, 2016 Minutes). Chairwoman Scott informed the group that the Executive Committee recommended all nominees be considered by the full Planning Group to fill the Counties vacancy.

In total, four individuals were nominated to fill the Counties representative position: Thomas Jungman, Alan Cockrell, Curt Campbell, and Goliad County Judge Pat Calhoun. Each nominee gave remarks on their background and qualifications.

The Planning Group voted by ballot with all four nominees as options. A majority of 16 votes is necessary to be selected by the Planning Group. After one round of voting, the Planning Group selected Judge Pat Calhoun to fill the Counties representative vacancy.

Chairwoman Scott expressed gratitude on behalf of the Planning Group to John Kight, who had retired from his Counties seat, for his many years of service on the Planning Group.

AGENDA ITEM NO. 4: STATUS OF EDWARDS AQUIFER HABITAT CONSERVATION PLAN (HCP) – NATHAN PENCE, EXECUTIVE DIRECTOR EAHCP

Chairwoman Scott gave a brief recap of the recently held tour at the San Marcos Springs for Planning Group members. Several comments were made, and thanks was expressed to the Edwards Aquifer Authority for organizing the tour.

AGENDA ITEM NO. 5: STATUS OF GUADALUPE, SAN ANTONIO, MISSION, AND ARANSAS RIVERS AND MISSION, COPANO, ARANSAS, AND SAN ANTONIO BAYS BASIN AND BAY STAKEHOLDER COMMITTEE (BBASC) AND EXPERT SCIENCE TEAM (BBEST)

Chairwoman Scott told the Planning Group that the BBASC recently met and decided to focus on the membership of the BBASC. The BBASC has asked current members to either re-up their commitment to the stakeholder group, or vacate their seat. Once any transitions are in place, the BBASC will convene to refresh its focus on environmental flow standards.

AGENDA ITEM NO. 6: TEXAS WATER DEVELOPMENT BOARD (TWDB) COMMUNICATIONS

Ron Ellis provided some updates regarding recent TWDB actions. Notably, the TWDB would be considering amendments to the new chapter 357 rule changes on November 17, 2016. Once adopted, the rules would be effective early December 2016. Additionally, TWDB was working on updating the guidance document to reflect rule changes. Mr. Ellis also informed the Planning Group that the TWDB would be holding a planning session on the afternoon of November 17, to discuss the various approaches to planning across the state, including bylaws, the filling of vacancies, interest group representation, the total number of members on each Planning Group, decision making, and meeting frequency, among other things.

Additionally, Mr. Ellis informed the Planning Group that the TWDB would be posting a Request for Applications (RFA) to distribute the remainder of funds for the Fifth Planning Cycle. Mr. Ellis described the RFA process and the schedule, noting that more information would be forthcoming to the Planning Group Chair and Administrator. He also noted that Agenda Item 13 of this meeting would authorize the San Antonio River Authority to provide public notice and and respond to the RFA by submitting a grant application on behalf of the Planning Group, and to negotiate and execute the respective amendment to the Planning Group's contract with the TWDB.

Mr. Ellis also informed the Planning Group that TWDB was putting together a Water Planning 101 training for members, which would be placed on the February 2017 meeting agenda. Mr. Ellis also added that the methodology review for projecting demands had been completed, and would be distributed to the Planning Group shortly.

AGENDA ITEM NO. 7: CHAIR'S REPORT

Chairwoman Scott noted that the Administrator sent a memo concerning the structural and operational aspects of the SCTRWPG as public comment, which was requested by the TWDB on October 27, 2016. Chairwoman Scott also noted that she would be attending the November 17, planning session at the TWDB.

AGENDA ITEM NO. 8: 2021 PLAN ENHANCEMENT PROCESS: RECAP OF GUIDING PRINCIPLES PREVIOUSLY DISCUSSED AND ADOPTED

Cole Ruiz, San Antonio River Authority, reviewed the previously approved Guiding Principles, and highlighted some changes made to the 2021 Plan Enhancement Schedule. This item will be a standing item for as long as the 2021 Plan Enhancement Process is ongoing.

AGENDA ITEM NO. 9: DISCUSSION AND APPROPRIATE ACTION ADOPTING GUIDING PRINCIPLES ON THE FOLLOWING ISSUES IDENTIFIED THROUGH THE 2021 PLAN ENHANCEMENT PROCESS

Chairwoman Scott briefed the Planning Group on the Executive Committee's recommendations following the August 4, 2016, SCTRWPG meeting discussion on the following components of the 2021 Plan Enhancement Process: 1) the role of regional water planning groups in influencing water development plans of water suppliers, and 2) the role of regional water planning groups in influencing permitting entities.

Chairwoman Scott asked for discussion or a motion to approve the first guiding principle addressing the role of regional water planning groups in influencing water development plans of water suppliers.

After some consideration and discussion, the Planning Group settled on the following language as a guiding principle regarding the role of regional water planning groups in influencing water development plans of water suppliers:

> The role of the SCTRWPG is to ensure water needs are met with identified potentially feasible water management strategies. It is not the role of the SCTRWPG to influence or interfere with local water planning decisions. In the absence of a planning group recommended potentially feasible water management strategy to meet an identified need, the SCTRWPG may evaluate and report, as required, the social, environmental and economic impacts of not meeting the identified need.

Roland Ruiz made a motion to adopt the guiding principle. Glenn Lord seconded the motion. There were no objections. The motion passed by consensus.

Chairwoman Scott asked for discussion or a motion to approve the second guiding principle addressing the role of regional water planning groups in influencing permitting entities.

After some consideration and discussion, the Planning Group settled on the following language as a guiding principle regarding the role of regional water planning groups in influencing permitting entities.

> Decisions made at the planning group level are non-regulatory, and are intended for planning purposes only. While some decisions made by the SCTRWPG could inevitably affect some decisions made by the governing boards of permitting entities, it is neither the responsibility, nor the role of the SCTRWPG to influence or interfere with the regulatory decisions made by the governing boards of permitting entities.

Pat Calhoun made a motion to adopt the guiding principle. Gary Middleton seconded the motion. There were no objections. The motion passed by consensus.

AGENDA ITEM NO. 10: DISCUSSION AND APPROPRIATE ACTION REGARDING THE FOLLOWING COMPONENTS OF THE 2021 PLAN ENHANCEMENT PROCESS

a. THE ADEQUACY OF EVALUATING THE PLAN'S EFFECTS ON FRESHWATER INFLOWS TO THE SAN ANTONIO BAY

Brian Perkins, Black & Veatch, provided a summary of how the Planning Group has historically evaluated the regional water plan's impacts on fresh water inflows to the San Antonio Bay. Dianne Wassenich reminded the Planning Group that the source for addressing the topics identified in the 2021 Plan Enhancement Process grew from the public comments received after the adoption of the 2016 Initially Prepared Plan.

Mr. Perkins told that group that such an evaluation has not been conducted for every water management strategy in the plan. Rather, in Chapter 6 of the Plan, which details the Plan's impacts on the natural resources of the region, the Planning Group develops a diagram that demonstrates the cumulative effects of the Plan. The cumulative effects analysis assumes that all recommended strategies are being implemented by 2070 (the 50 year period set by TWDB for planning purposes) with consideration for drought conditions. Chapter 6 seeks to demonstrate the effects of such conditions on the natural resources of Region L. Mr. Perkins described the process conducted by the Planning Group consultants in detail, noting that the Plan provides a quantitative measure without a whole lot of description. Mr. Perkins provided that, of all the planning groups, the SCTRWPG goes beyond all in terms of reporting the cumulative effects of the Plan.

Ron Ellis, TWDB, informed the planning group of what TWDB requires of planning groups in terms of reporting the impacts of the plan on freshwater inflows to the San Antonio Bay. TWDB requires planning groups to evaluate and provide a quantitative reporting of how strategies could impact environmental and cultural resources including impacts to environmental water needs, wildlife habitats, cultural resources, and the effects of upstream development on the bays, estuaries, and arms of the Gulf of Mexico. Additionally, planning groups shall develop and document an overall methodology for evaluating impacts. However, regarding environmental flows, and incorporating appropriate limitations on strategies' yields, planning groups must follow TCEQ environmental flows standards and associated rules; and in the absence of these flow standards, use TWDB methodologies—found in Texas Administrative Code §357.34. Mr. Ellis also touched on the TWDB requirement that shows the impact on agriculture resources, and the TWDB requirements under section 357.35, which defers to the processes described herein and in section 357.34 (*see* TEX. ADMIN. CODE §357.34 and §357.35). Mr. Ellis then pointed to section 357.40, which requires planning groups to include a description of the impacts of the Plan on agriculture resources, other water resources of the state including other strategies and groundwater and surface water interrelationships, threats to agricultural or natural resources, third-party social and economic impacts resulting from voluntary redistributions of water and major impacts of recommended strategies on water quality (*see* TEX. ADMIN. CODE §357.40). Mr. Ellis also read section 357.41, which states: "RWPGs shall describe how RWPs are consistent with the long-term protection of the state's water resources, agricultural resources, and natural resources as embodied in the guidance principles. . ." (*see* TEX. ADMIN. CODE §357.41).

Con Mims pointed out that, by virtue of TWDB accepting it, the 2016 Plan adequately described Plan's impact on environmental flows. Thus, the question then becomes one of how much further, beyond that described in the 2016 Plan, should the Planning Group go in terms of describing the Plan's impacts on freshwater inflows to the San Antonio Bay. Brian Perkins reminded the group that there are budget ramifications for shifting focus to go beyond that which TWDB requires for going beyond that described herein.

After much discussion, Con Mims offered up the following potential language for the guiding principle:

> The SCTRWPG evaluation of its plan's effects on the freshwater inflows to the San Antonio Bay can be improved. It is the SCTRWPG's intent to improve its evaluation by identifying what improvements are desired, and to implement those improvements to the extent funds are available.

The discussion then lead to a suggestion from several members that upon adoption of the proposed guiding principle, the Planning Group would create a workgroup to identify potential improvements to its evaluation of the Plan's effects on freshwater inflows to the San Antonio Bay.

The Planning Group generally agreed that Mr. Mim's proposed guiding principle is a good base for adopting formal guiding principle language on this topic at the February 2017, meeting.

The Planning Group recessed for lunch.

b. THE ADEQUACY OF ENVIRONMENTAL ASSESSMENTS OF INDIVIDUAL WATER MANAGEMENT STRATEGIES

After lunch, Tim Andruss, Vice-Chair, reconvened the meeting in the absence of Chairwoman Scott. A quorum was maintained throughout the meeting.

Ron Ellis related to the Planning Group, TWDB's requirements with regard to the environmental assessments of individual strategies. Mr. Ellis re-visited section 357.34 of the Texas Admin Code, noting the requirement to evaluate and provide a quantitative reporting of how strategies could impact environmental and cultural resources including impacts to environmental water needs, wildlife habitats, cultural resources, and the effects of upstream development on the bays, estuaries, and arms of the Gulf of Mexico. Mr. Ellis then added that the TWDB requires a description of each threat to agricultural or natural resources, and how the threat would be addressed or affected by the water management strategies. The strategies that are selected should be environmentally sensitive, unless the Planning Group provides sufficient reason for why environmental sensitivity is not appropriate. . All strategies should be consistent with the long term protection of the State's natural resources and water resources.

Brian Perkins reviewed the current process used to describe the environmental impacts of each water management strategy within the context of each water management strategy evaluation, noting that the current process is more than TWDB requires, but not necessarily more than the Planning Group could choose to do.

After much discussion, Con Mims offered up his previous language, with addition of "and of its environmental assessments of individual water management strategies," so that the guiding principles for both components of the 2021 Plan Enhancement Process being considered under this agenda item (10) to read as follows:

> The SCTRWPG evaluation of its plan's effects on the freshwater inflows to the San Antonio Bay, and of its environmental assessments of individual water

management strategies can be improved. It is the SCTRWPG's intent to improve its evaluation by identifying what improvements are desired, and to implement those improvements to the extent funds are available.

The Planning Group generally agreed that Mr. Mim's proposed guiding principle is a good base for adopting formal guiding principle language on this topic at the February 2017, meeting. In such instance, Mr. Mims clarified that the principle would be overarching for both components (evaluation of the plan's 1) effects on the freshwater inflows to the San Antonio Bay, and 2) of its environmental assessments of individual water management strategies). Similarly, a workgroup would be created at the February 2017, meeting to discuss and identify potential improvement opportunities for the fifth cycle of planning.

AGENDA ITEM NO. 11: DISCUSSION AND APPROPRIATE ACTION SETTING THE SCTRWPG MEETING SCHEDULE FOR CALENDAR YEAR 2016

Cole Ruiz, San Antonio River Authority, presented the Planning Group with the proposed schedule for Calendar Year 2017 SCTRWPG meetings. The meetings would follow tradition, occurring once a quarter on the first Thursday of February, May, August, and November 2017. The proposed schedule was as follows:

- February 2, 2017
- May 4, 2017
- August 3, 2017
- November 2, 2017

Dianne Wassenich motioned to approve the proposed calendar schedule for 2017. Gary Middleton seconded the motion. There were no objections. The motion passed by consensus.

AGENDA ITEM NO. 12: TEXAS A&M INSTITUTE FOR RENEWABLE NATURAL RESOURCES LAND TRENDs/ WATER RESOURCES STUDY PRESENTATION (ROEL LOPEZ)

Dr. Roel Lopez, Texas A&M Institute for Renewable Natural Resources, gave an overview of current trends and changes with regard to land use and population within Region L. The full recording and relevant slide to Dr. Roel's presentation are available on the Region L website at www.regionltexas.org.

AGENDA ITEM NO. 13: DISCUSSION AND APPROPRIATE ACTION AUTHORIZING THE SAN ANTONIO RIVER AUTHORITY TO PROVIDE PUBLIC NOTICE AND SUBMIT A GRANT APPLICATION TO THE TWDB ON BEHALF OF THE SCTRWPG FOR FUNDING TO COMPLETE THE FIFTH CYCLE OF REGIONAL WATER PLANNING, AND TO NEGOTIATE AND EXECUTE THE AMENDMENT TO THE TWDB CONTRACT

Con Mims made a motion to authorize the San Antonio River Authority to provide public notice and to submit a grant application to the TWDB on behalf of the SCTRWPG for funding to complete the fifth cycle of regional water planning, and to negotiate and execute the amendment to the TWDB contract.

Art Dohman seconded the motion. There were no objections. The motion passed by consensus.

AGENDA ITEM NO. 14: DISCUSSION AND APPROPRIATE ACTION REGARDING CONSULTANT'S WORK AND SCHEDULE

Brian Perkins briefly reviewed the consultants schedule for the fifth cycle of regional water planning.

Mr. Perkins then informed the group that TWDB had provided a list of public water suppliers, as well as a list of facilities and investor-owned utilities that may be considered for "water user group" status for the fifth cycle of water planning. Mr. Perkins told the Planning Group that Black & Veatch reached out to those facilities and investor-owned utilities to ask whether they wished to be included as a water user group for the fifth cycle. Of the investor-owned utilities contacted, four responded affirmatively, including Air Force Village, Aqua Texas, Canyon Lake Water Service Utility, and Kendall West Utility Co. The other investor-owned utilities either did not respond, or responded that they did not wish to be included. Those utilities' populations will be accounted for in the "county other" category. Regarding the utilities, Texas State University wished to be included as a water user group for the fifth cycle. Joint Base San Antonio failed to respond, and will likewise be included in "county other" or as part of SAWS' water user group.

AGENDA ITEM NO. 15: ADMINISTRATOR UPDATE ON INTERLOCAL AGREEMENT FOR FUNDING SCTRWPG ADMINISTRATIVE COSTS FOR THE FIFTH CYCLE OF REGIONAL WATER PLANNING

Cole Ruiz briefed the Planning Group on the Interlocal Agreement for Funding the Region L Administrative Costs for calendar years 2017-2020. Mr. Ruiz further explained that the ILA was in its final form, and was being circulated for signatures. The administrative budget for Calendar Year 2017 was agreed on at $58,000.00, consistent with past years. The new ILA would go into effect on January 1, 2017.

AGENDA ITEM NO. 16: POSSIBLE AGENDA ITEMS FOR THE NEXT REGION L MEETING

- **A. ELECTION OF OFFICERS**
- **B. ADOPTION OF GUIDING PRINCIPLES**
- **C. TWDB PLANNING 101 PRESENTATION**
- **D. COMMERCIAL SCALE RAINWATER HARVESTING PRESENTATION FROM REGION K CHAIR, JOHN BURKE**

Tim Andruss reviewed the potential agenda items for the February 2017, SCTRWPG meeting. Dianne Wassenich and Con Mims pointed out that the creation of a workgroup, which was discussed under agenda item 10 herein, to identify potential improvements that could be made to Planning Groups of evaluation the Plan's effects on freshwater inflows to the San Antonio Bay, and the environmental impacts of individual water management strategies.

Dianne Wassenich suggested that the Planning 101 presentation might be pushed to the beginning of the meeting. Gary Middleton agreed, and asked that the suggestion be relayed to the Chair.

AGENDA ITEM NO. 17: PUBLIC COMMENT

No comments were made.

Vice Chair Andruss adjourned the meeting.

Minutes of the
South Central Texas Regional Water Planning Group
February 2, 2017

Chairwoman Suzanne Scott called the meeting to order at 9:30 a.m. in the San Antonio Water System's (SAWS) Customer Service Building, Room CR 145, 2800 US Highway 281 North, San Antonio, Bexar County, Texas.

29 of the 30 voting members, or their alternates, were present.

Voting Members Present:

Tim Andruss
Pat Calhoun
Herb Williams for Gene Camargo
Patrick Garcia for Rey Chavez
Don Dietzmann
Art Dohman
Alston Beinhorn for Blair Fitzsimons
Charlie Flatten
Vic Hilderbran
Kevin Janak
Jay Troell for Russell Labus
John Kight
Glenn Lord
Doug McGooky
Dan Meyer
Gary Middleton
Con Mims
Kevin Patteson
Sara Beasley for Iliana Pena
Robert Puente
Steve Ramsey
Weldon Riggs
David Roberts
Roland Ruiz
Clifton Stacy for Dianne Savage
Suzanne Scott
Greg Sengelmann
Thomas Taggart
Dianne Wassenich
Adam Yablonski

Voting Members Absent
Will Conley

Non-Voting Members Present:
Ron Ellis, Texas Water Development Board (TWDB)
Marty Kelley, Texas Department of Parks and Wildlife
Ronald Fieseler, Region K Liaison
Jamie McCool, Texas Department of Agriculture

Non-Voting Members Absent:
Charles Wiedenfeld, Region J Liaison
Don McGhee, Region M Liaison

Beginning with the February 11, 2016, meeting of the South Central Texas Regional Water Planning Group, all recordings are available for the public at www.regionltexas.org.

All PowerPoint presentations and meeting materials referenced in the minutes are available in the meeting Agenda Packet at www.regionaltexas.org.

AGENDA ITEM NO. 1: PUBLIC COMMENT

No public comments were made.

AGENDA ITEM NO. 2: ELECTION OF OFFICERS

Con Mims move to re-elect the current officers by acclamation. Multiple voter members seconded the motion. The motion carried by consensus. The officers for calendar year 2017 are Chair: Suzanne Scott, Vice-Chair: Tim Andruss, Secretary: Gary Middleton, At-large: Kevin

Janak, and At-large: Adam Yablonski.

AGENDA ITEM NO. 3: APPROVAL OF THE MINUTES FROM THE NOVEMBER 4, 2016, MEETING OF THE SOUTH CENTRAL TEXAS REGIONAL WATER PLANNING GROUP (SCTRWPG)

Con Mims made a motion to approve the minutes from November 3, 2016, meeting of the SCTRWPG. Kevin Janak seconded the motion. There were no objections. The motion passed by consensus

AGENDA ITEM NO. 4: STATUS OF EDWARDS AQUIFER HABITAT CONSERVATION PLAN (HCP) – NATHAN PENCE, EXECUTIVE DIRECTOR EAHCP

No update was provided.

AGENDA ITEM NO. 5: STATUS OF GUADALUPE, SAN ANTONIO, MISSION, AND ARANSAS RIVERS AND MISSION, COPANO, ARANSAS, AND SAN ANTONIO BAYS BASIN AND BAY STAKEHOLDER COMMITTEE (BBASC) AND EXPERT SCIENCE TEAM (BBEST)

Chairwoman Scott briefed the Planning Group on the BBASC's recent efforts to recharge interest in BBASC operations. She informed the group of several vacancies on the BBASC, and notified the group that BBASC was currently receiving nominations. Mrs. Scott invited planning group members, who were interested in serving on the BBASC or nominating others to serve, to complete the nomination form provided in the agenda packet.

AGENDA ITEM NO. 6: TEXAS WATER DEVELOPMENT BOARD (TWDB) COMMUNICATIONS

a. GOLDWATER PROJECT PRESENTATION ON A UNIFORM METHODOLOGY FOR MEASURING CONSERVATION ACROSS REGIONS

Steven Cortez, Averitt and Associates, informed the planning group about the Goldwater Project. Averitt and Associates is under contract with TWDB to quantify water conservation efforts throughout the state, region by region, utility by utility. The Goldwater Project is a statewide study, which seeks to maximize conservation efforts for water utilities through large-scale, uniform measurement and analysis. Participating regions under the State Water Plan will be provided the tools to achieve their short- and long-term conservation goals. The project is designed to help water planners and utilities understand how water conservation strategies are being implemented to meet local, regional, and statewide water conservation goals.

b. TWDB RULES PRESENTATION

Ron Ellis, Texas Water Development Board (TWDB), briefed the planning group on deadlines, and schedule regarding regional water planning processes. He reminded the planning group that applications to amend the regional water planning contracts pursuant to TWDB's request for applications (RFA), were due by noon on February 21, 2017. April 6, 2017 was the anticipated board meeting that would potentially approve the amendment applications. August 31, 2017, is the deadline for executing the amendments. Mr. Ellis also informed the group that TWDB is looking for comments on the regional water planning "guidelines" document, which was in the process of being revised by TWDB. Comment were due by February 21, 217. Draft population projects, as well as the municipal demand and mining demand projections were sent out to the planning groups on December 22, 2017. Mr. Ellis anticipated that by June 2017, TWDB would release projections for irrigation, livestock, manufacturing, and steam electric power. In addition, historical water use data for municipal water user groups would sent out.

Mr. Ellis then presented the revised TWDB rules regarding state and regional water planning. The rule were adopted on November 17, and became effective on December 8, 2016. Notable changes included revisions to the definition of "water user group" to reflect the utility-based planning approach, revisions to the definitions of "wholesale water providers" and "major water providers," and the addition of the term "water management strategy project." Moreover, the TWDB revised public notice requirements and requirements related to the analysis of existing surface water supply, groundwater availability. Mr. Ellis reviewed a number of other rule revisions, and provide a PowerPoint, available at www.regionltexas.org for reference (*see* http://www.regionltexas.org/wp-content/uploads/2017/01/Agenda-Packet-1-2-2017.pdf).

AGENDA ITEM NO. 7: CHAIR'S REPORT

Chairwoman Scott provided updates to the planning group regarding recent conference call among the regional water planning chairs. Additionally, she provided a report produced by the Region A Chair, C.E. Williams, which compared the bylaws of each regional water planning group. Chair Scott also provided a legislative report of bills filed at the outset of the 84th Texas Legislature.

AGENDA ITEM NO. 8: 2021 PLAN ENHANCEMENT PROCESS: RECAP OF GUIDING PRINCIPLES PREVIOUSLY DISCUSSED AND ADOPTED

Chair Scott reviewed the previously approved Guiding Principles, highlighted some changes made to the 2021 Plan Enhancement Schedule, and reminded the planning group of the 2021 Plan Enhancement Process.

AGENDA ITEM NO. 9: DISCUSSION AND APPROPRIATE ACTION ADOPTING GUIDING PRINCIPLES ON THE FOLLOWING ISSUES IDENTIFIED THROUGH THE 2021 PLAN ENHANCEMENT PROCESS

a. THE ADEQUACY OF EVALUATING THE PLAN'S EFFECTS ON FRESHWATER INFLOWS TO THE SAN ANTONIO BAY; AND THE ADEQUACY OF ENVIRONMENTAL ASSESSMENTS OF INDIVIDUAL WMS'S

Chair Scot stated the agenda item, reviewed past discussion, opened up discussion to the planning

group concerning the adequacy of evaluating the plan's effects on freshwater inflows to the San Antonio Bay, and the adequacy of environmental assessments of individual water management strategies.

Dianne Wassenich read a letter from Norman Johns, a critical response to Region L's 2016 Plan's environmental components. Discussion ensued among planning group members.

Brian Perkins, Black and Veatch, provide insight regarding TWDB rules and guidance requirements related to environmental assessments as a baseline. Additionally, a memo developed by SWCA, provided potential options for revamping the Region L environmental assessment process. It was noted that costs are the prohibitive factor, as regional water planning activities are largely limited to the scope and budget approved by TWDB, excepting outside funding sources. Mr. Perkins noted that what Region L has done in the past in term of environmental assessments, has been at least sufficient to meet the TWDB expectation, by virtue of the plans being accepted and adopted into the state water plans. The question then becomes, whether the current process is satisfying to the planning group.

After some discourse, Robert Puente motioned to adopt a guiding principle, which—in effect—would state that the planning group adequately evaluates the Regional Water Plan's effects on freshwater inflows to the San Antonio Bay and the Plan's impacts on the environment as evidenced by TWDB's adoption of the State Water Plan, and that no workgroup is needed to explore improvements to the planning group's historic practice. Gary Middleton seconded the motion, conditioning it on further open discussion.

Further discussion ensued. Jenna Cantwell, SWCA, noted that not all of the recommended options require additional work. Some options simply restructure information in a more transparent and user-friendly way.

After more discussion, Robert Puente withdrew his motion, and proposed alternate language that would establish a workgroup. Gary Middleton agreed to withdraw his second to Robert's initial motion as well.

Further discussion lead to the crafting of guiding principle that would establish one workgroup to address both: 1) the adequacy of evaluating the plan's effects on freshwater inflows to the San Antonio Bay; and 2) the adequacy of environmental assessments of individual water management strategies.

Robert Puente motioned to adopt the following language:

> The SCTRWPG's evaluation of its plan's effects on the instream effects and freshwater inflows to the San Antonio Bay, and its environmental assessments of individual water management strategies are currently meeting the regulations and statutes for regional water planning. It is the SCTRWPG's intent to create a workgroup to evaluate the current methodologies and whether additional or alternative environmental assessment of instream effects and freshwater inflows into the San Antonio Bay, and of individual water management strategies, are necessary. If additional or alternative methodologies are recommended, the workgroup shall identify what costs would be associated with the additional evaluation and how these costs would be covered. The Workgroup will report back to the full SCTRWPG on any recommendations it may have.

Gary Middleton seconded Mr. Puente's motion. The motion passed by consensus

b. CREATION OF AN ENVIRONMENTAL ASSESSMENT WORKGROUP

The following members and staff were identified to participate on the workgroup: Steven Siebert (SAWS), Kevin Janak, Jonathon Stinson (GBRA), Con Mims, Marty Kelly, Charlie Flatten, Rey Chavez, and Diane Wassenich. Steven Siebert was designated Chair. Chair Scott set a goal of May 2018 as a deadline for developing a comprehensive recommendation to the planning group.

AGENDA ITEM NO. 10: DISCUSSION AND APPROPRIATE ACTION REGARDING THE FOLLOWING COMPONENTS OF THE 2021 PLAN ENHANCEMENT PROCESS

a. HOW WATER MANAGEMENT STRATEGIES ARE CATEGORIZED; E.G. RECOMMENDED, ALTERNATE, NEEDING FURTHER STUDY
b. ESTABLISHING MINIMUM STANDARDS FOR WATER MANAGEMENT STRATEGIES INCLUDED IN THE PLAN
c. MAINTAINING MANAGEMENT SUPPLIES WHILE AVOIDING "OVER PLANNING"

Brian Perkins gave a presentation outlining TWDB's rules and guidance, and Region L historic processes concerning the categorization of water management strategies and the implications of each category, minimum standards of water management strategy evaluations, and management supplies.

The presentation sparked questions and discussion. Before taking any action, the planning group broke for lunch.

Upon reconvening, the planning group opened up Agenda Item No. 10 for discussion. After several ideas were raised, Chair Scott suggested creating a Minimum Standards Workgroup to address defining what—if any—minimum standards ought to be implemented for water management strategies; to explore the nature of recommended, alternate, and needs further study categories, and whether different minimum standards should be used for each category; and to outline the process by which the planning group should address the three overarching issues: 1) categorization of water management strategies, 2) setting minimum standards, and 3) maintaining management supply.

The following members were designated to participate on the planning group: Tim Andruss, Con Mims, Tom Taggart, Greg Sengelmann, Donovan Burton, and Dianne Wassenich. Tim Andruss was designated Chair of the newly created workgroup.

AGENDA ITEM NO. 11: DISCUSSION AND APPROPRIATE ACTION REGARDING CONSULTANT'S WORK AND SCHEDULE

a. TEXAS WATER DEVELOPMENT BOARD'S DRAFT POPULATION AND WATER DEMAND PROJECTIONS FOR MUNICIPAL AND MINING

Brian Perkins briefly reviewed the consultants schedule for the fifth cycle of regional water planning, and disseminated a list of ongoing projects Black and Veatch and their subcontractors are involved with on a contractual level.

Mr. Perkins then presented on population/ municipal water demand projections and mining demand projections. Crucially, Mr. Perkins focused on observations of the projections delivered by TWDB.

The following observations were noted: 1) mining projections are unchanged from 2016 Plan; 2) region-wide population projection is nearly identical; 3) region-wide municipal water demand projections increases by approximately 12,500 acre-feet per year; 4) effects of Eagle-Ford shale activities on municipal water demands have been removed from the projections (effects 7 counties); 5) county-wide, three counties water demand projections are significantly lower (Caldwell, Guadalupe, and Wilson counties); 6) county-wide, 7 counties water demand projections are significantly higher (Atascosa, Bexar, Comal, hays, Medina, Uvalde, and Victoria).

Mr. Perkins laid out the following response procedure to TWDB's projections: ask TWDB for clarification on a few issues; survey water user groups and wholesale water providers for review of TWDB draft projections; report water user groups and wholesale water providers comments to Region L Planning Group at a future meeting; and then develop list of requested revisions for submittal to TWDB.

AGENDA ITEM NO. 12: COMMERCIAL SCALE RAINWATER HARVESTING PRESENTATION FROM REGION K CHAIR—JOHN BURKE

Charlie Flatten introduced John Burke, Chair of Region K Regional Water Planning Group. Mr. Burke gave presentation on commercial scale rainwater harvesting. The PowerPoint slides are available at www.regionltexas.org.

AGENDA ITEM NO. 13: POSSIBLE AGENDA ITEMS FOR THE NEXT REGION L MEETING

a. **ADOPTION OF GUIDING PRINCIPLES**
b. **DISCUSSION ON THE FOLLOWING COMPONENTS OF THE 2021 PLAN ENHANCEMENT PROCESS: 1) IDENTIFYING SPECIAL STUDIES OR EVALUATIONS DEEMED IMPORTANT TO ENHANCE THE 2021 PLAN AND IDENTIFICATION OF OUTSIDE FUNDING SOURCES; 2) ADDRESS THE ROLE OF REUSE WITHIN THE REGIONAL WATER PLAN; AND 3) THE EXTENT TO WHICH INNOVATIVE STRATEGIES SHOULD BE USED.**
c. **TWDB PLANNING 101 PRESENTATION**

The planning group reviewed the items scheduled for the next meeting. No items were added.

AGENDA ITEM NO. 17: PUBLIC COMMENT

Rachel Cywinski offered public comment, noting the difficulty of finding scheduled meetings on the Region L website. Ms. Cywinski also noted the importance of looking consumptive uses versus non-consumptive uses as a consideration for water planning.

Chair Scott adjourned the meeting.

Gary Middleton

GARY MIDDLETON, SECRETARY

Approved by the South Central Texas Regional Water Planning Group at a meeting held on May 4, 2017.

Suzanne B Scott

SUZANNE SCOTT, CHAIR

Minutes of the
South Central Texas Regional Water Planning Group
May 4, 2017

Chairwoman Suzanne Scott called the meeting to order at 9:30 a.m. in the San Antonio Water System's (SAWS) Customer Service Building, Room CR 145, 2800 US Highway 281 North, San Antonio, Bexar County, Texas.

29 of the 30 voting members, or their alternates, were present.

Voting Members Present:

Tim Andruss
Pat Calhoun
Gene Camargo
Don Dietzmann
Art Dohmann
Alston Beinhorn for Blair Fitzsimons
Charlie Flatten
Vic Hilderbran
Kevin Janak
Russell Labus
Glenn Lord
Peter Schram for Doug McGooky
Dan Meyer
Gary Middleton
Con Mims
Kevin Patteson
Iliana Pena
Robert Puente
Steve Ramsey
Weldon Riggs
David Roberts
Roland Ruiz
Dianne Savage
Suzanne Scott
Greg Sengelmann
Thomas Taggart
Dianne Wassenich
Adam Yablonski

Voting Members Absent

Will Conley
Rey Chavez

Non-Voting Members Present:

Ron Ellis, Texas Water Development Board (TWDB)
Marty Kelley, Texas Department of Parks and Wildlife
Jamie McCool, Texas Department of Agriculture

Non-Voting Members Absent:
Charles Wiedenfeld, Region J Liaison
Don McGhee, Region M Liaison
Ronald Fieseler, Region K Liaison
Carl Crull

Beginning with the February 11, 2016, meeting of the South Central Texas Regional Water Planning Group, all recordings are available for the public at www.regionltexas.org.

All PowerPoint presentations and meeting materials referenced in the minutes are available in the meeting Agenda Packet at www.regionaltexas.org.

AGENDA ITEM NO. 1: (9:00 AM) Planning 101: New Member Orientation (Refresher for Veteran Members) by Texas Water Development Board (TWDB)—Ron Ellis

Ron Ellis, TWDB, presented an introduction to and overview of Regional Water Planning in Texas, specifically with regard to the Fifth Cycle of Regional Water Planning. The presentation included background information on regional and state water planning, regional water planning

groups, fundamentals of water planning, and the foundation of the State Water Plan. Members were invited to ask questions throughout the presentation. The presentation is available at www.regionltexas.org.

Toward the end of the presentation, Con Mims asked if the TWDB, by approving a regional water plan, is indicating that said plan meets all of the requirements of promulgated by the planning process and rules. Mr. Ellis confirmed that, by approving a regional water plan, the TWDB is confirming that the submitted plan effectively meets the requirements set out by the planning rules and guidelines.

Kevin Janak asked whether a limit set by the Legislature on the amount of funding each region receives for planning purposes, and whether each region receives the same amount. Mr. Ellis responded, noting that the TWDB determines the amount of money each regions receives based on several factors. The funding varies from plan to plan, and from region to region.

AGENDA ITEM NO. 2: (10:00 AM) ROLL CALL

Suzanne Scott informed the Planning Group that Don Dietzmann, former voting member representing Groundwater Management Area 9 (GMA 9), was moving out of the area, thereby vacating his eat on the Planning Group. Chair Scott introduced Curt Campbell, who was appointed by GMA 9 as Mr. Dietzmann's replacement, to the Planning Group.

Cole Ruiz, San Antonio River Authority, called the roll, and confirmed a quorum.

AGENDA ITEM NO. 3: PUBLIC COMMENT

Meredith McGuire passed out an alternative water management plan prepared by the Sierra Club. Ms. McGuire described the particulars of the plan, and noted that it drew from practices employed by the City of Melbourne, Australia during the recent drought that affected the city. Ms. McGuire stressed the importance of bring the water use per person down.

Alan Montemayor, also with the Sierra Club, continued the message of the alternative water management plan. Mr. Montemayor asked planning group members to pass the information along to their staffs and to provide feedback to the Sierra Club on the alternative water management plan.

AGENDA ITEM NO. 4: APPROVAL OF THE MINUTES FROM THE FEBRUARY 2, 2017, MEETING OF THE SOUTH CENTRAL TEXAS REGIONAL WATER PLANNING GROUP (SCTRWPG)

Glenn Lord made a motion to approve the minutes from January 2, 2017, meeting of the SCTRWPG. Tim Andruss seconded the motion. There were no objections. The motion passed by

consensus

AGENDA ITEM NO. 5: STATUS OF EDWARDS AQUIFER HABITAT CONSERVATION PLAN (HCP) – NATHAN PENCE, EXECUTIVE DIRECTOR EAHCP

Nathan Pence briefed the Planning Group on the implementation of the Edwards Aquifer Habitat Conservation Plan. Mr. Pence notified the Planning Group that the EAA is in the fifth year of implementation, the habitation restoration was making huge impacts on the springs systems, and the VISPO, ASR, and Regional Water Conservation programs were almost 90 percent complete. Refugia was in place, and things were generally doing well. Additionally the National Academy of Science had lauded the HCP as an enormous success so far.

AGENDA ITEM NO. 6: STATUS OF GUADALUPE, SAN ANTONIO, MISSION, AND ARANSAS RIVERS AND MISSION, COPANO, ARANSAS, AND SAN ANTONIO BAYS BASIN AND BAY STAKEHOLDER COMMITTEE (BBASC) AND EXPERT SCIENCE TEAM (BBEST)

Chair Scott briefed the Planning Group on the BBASC's recent efforts to recharge interest in BBASC operations. She informed the group that several vacancies were filled on the BBASC, and that the meeting rules were being looked at to see if changes were needed. Ms. Scott also informed the Planning Group that the BBASC continues to receive updates on the ongoing studies for instream flow validation efforts.

AGENDA ITEM NO. 7: TEXAS WATER DEVELOPMENT BOARD (TWDB) COMMUNICATIONS

Ron Ellis informed the Planning Group that the Planning Rules was revised, and a new version of the rules was being printed. Additionally, the TWDB had approved the applications to amend the planning contracts to expand the scope of work and budget for the Planning Group. Mr. Ellis also noted that an application period was for TWDB Agriculture Conservation Grants. The deadline was coming up on May 10, 2017. Mr. Ellis provided dates and deadlines for demand projections, and added that TWDB Direct Kathleen Jackson had been reappointed.

AGENDA ITEM NO. 8: CHAIR'S REPORT

Chairwoman Scott provided updates to the planning group, which included a legislative report that was provided in the packet for the benefit of Planning Group members. There was some general discussion about several bills that had been filed.

AGENDA ITEM NO. 9: DISCUSSION AND APPROPRIATE ACTION AUTHORIZING THE ADMINISTRATOR TO REQUEST WRITTEN APPROVAL FROM THE EXECUTIVE ADMINISTRATOR OF THE TWDB FOR THE GUADALUPE-BLANCO RIVER AUTHORITY'S (GBRA) PROPOSED SUBSTITUTION OF AN ALTERNATIVE WATER MANAGEMENT STRATEGY FOR TWO RECOMMENDED WATER MANAGEMENT STRATEGIES IN THE SCTRWPG 2016 PLAN, OR A DETERMINATION OF WHETHER GBRA'S PROPOSED ACTION CONSTITUTES A MINOR OR MAJOR AMENDMENT

Kevin Patteson delivered a presentation on GBRA's plans to substitute an alternative water management strategy, identified in the SCTRWPG 2016 Regional Water Plan, for two

recommended water management strategies, identified in the SCTRWPG 2016 Regional Water Plan. The presentation and Power Point are available at www.regionltexas.org.

There were several questions relating to the status of permits related to the substitution proposal. Mr. Patteson explained that GBRA is most focused on the groundwater component of the substitution, while the ASR and off-channel reservoir components would probably take a couple decades to develop and implement to meet the projected future need.

Ron Ellis explained to the Planning Group the process of substituting projects in the regional water plan, which is prescribed in TWDB rules. Before the Planning Group can make any revisions to a regional water plan, they must seek approval from the TWDB that the proposed revision qualifies as either a 1) substitution, 2) minor amendment, or 3) major amendment. GBRA is proposing a revision, and seeking the TWDB to approve the revision as a qualified "substitution." The process that follows a substation, as opposed to a minor or major amendment, varies. The action needed at the present was to authorize the administrator to seek confirmation from the TWDB as to whether the proposed revision indeed constitutes a substitution as provided by in the TWDB Regional Water Planning Rules. Additionally, the action should authorize SARA to request the TWDB to specify which other type of amendment the proposed revision constitutes, in the event that the Executive Administrator disagrees that the revision is a "substitution."

Greg Sengelmann motioned to authorize the Administrator to submit a request to the Executive Administrator of the TWDB to approve GBRA's proposed revision as a substitution, and—in the event that the Executive Administrator disapproves of the proposal—to identify whether the proposed revision is a minor amendment or a major amendment. Con Mims seconded the motion. There were no objections. Gary Middleton abstained. The motion carried.

AGENDA ITEM NO. 10: 2021 PLAN ENHANCEMENT PROCESS: RECAP OF GUIDING PRINCIPLES PREVIOUSLY DISCUSSED AND ADOPTED

Chair Scott reviewed the previously approved Guiding Principles, highlighted some changes made to the 2021 Plan Enhancement Schedule, and reminded the planning group of the 2021 Plan Enhancement Process.

AGENDA ITEM NO. 11: STATUS OF ENVIRONMENTAL ASSESSMENT WORKGROUP'S PROGRESS ON THE FOLLOWING COMPONENTS OF THE 2021 PLAN ENHANCEMENT PROCESS

a) **THE ADEQUACY OF EVALUATING THE PLAN'S EFFECTS ON FRESHWATER INFLOWS TO SAN ANTONIO BAY**
b) **THE ADEQUACY OF ENVIRONMENTAL ASSESSMENTS OF INDIVIDUAL WATER MANAGEMENT STRATEGIES**

Steven Siebert (SAWS), Chair of the Environmental Assessment Workgroup, briefed the Planning Group on progress made toward developing a guiding principle to recommend to the Planning Group, which would address the adequacy of evaluating the regional water plan's effects on freshwater inflows, and the adequacy of environmental assessments of individual water management strategies. Mr. Siebert explained that the workgroup was focusing on the structure of the environmental assessment, and how it could be improved. Additionally, the workgroup showed interest in advancing a realism approach to the environmental assessment component of the plan. The goal of the workgroup is achieve guidelines that improve the structure and comprehension of

the environmental assessment portions of the plan, while introducing a realistic understanding of the plans effects on the environment.

AGENDA ITEM NO. 12: DISCUSSION AND APPROPRIATE ACTION REGARDING THE FOLLOWING COMPONENTS OF THE 2021 PLAN ENHANCEMENT PROCESS

a. **HOW WATER MANAGEMENT STRATEGIES ARE CATEGORIZED; E.G. RECOMMENDED, ALTERNATE, NEEDING FURTHER STUDY**
b. **ESTABLISHING MINIMUM STANDARDS FOR WATER MANAGEMENT STRATEGIES INCLUDED IN THE PLAN**
c. **MAINTAINING MANAGEMENT SUPPLIES WHILE AVOIDING "OVER PLANNING"**

Tim Andruss, Chair of the Minimum Standards Workgroup, briefed the Planning Group on the progress made toward achieving guiding principles on the categorization of water management strategies, establishing minimum standards, and maintaining management supply. Mr. Andruss informed the group that they are working on developing recommendations for the Planning Group to consider.

AGENDA ITEM NO. 13: DISCUSSION AND APPROPRIATE ACTION REGARDING THE FOLLOWING COMPONENTS OF THE 2021 PLAN ENHANCEMENT PROCESS

a. **THE ROLE OF REUSE WITHIN THE REGIONAL WATER PLAN**

For the full dialogue and Power Point presentation on this agenda item, please access the recording and agenda packet of the May 4, 2017, meeting at www.regionltexas.org.

Brian Perkins gave an informational presentation on Planning Group's historic approach to reuse and effluent.

Mr. Perkins began by providing a high level overview of effluent in the region, and how return flow factors vary among water users (i.e. irrigation, commercial, residential, manufacturing, steam-electric, cooling, etc...).

Effluent is modeled in the Regional Planning Water Availability Model (WAM) as 1) return flow factors on water rights, and 2) point discharges, which is not directly tied to a water right. Point discharges modeling is used to emulate historic discharges from most wastewater treatment plants (WWTPs).

Reuse is water that has been used by an entity once, then treated at a WWTP, and then reused by either the same entity, another community in some beneficial use. Mr. Perkins explained the differences between direct versus indirect reuse, and potable verse non-potable reuse. Using a hypothetical municipal utility, Mr. Perkins explained that a demand may be met by a reuse water management strategy. A utility's influent/ effluent is assumed to be 60 percent of its project demand. Thus, if a utility projects a demand of 100,000 acre-feet per year, it is assumed for planning purposes that the WWTP will discharge 60,000 acre-feet per year of effluent for potential reuse. Historically, the Planning Group has not distinguished potable from non-potable reuse at this stage. If the discharge sufficiently exceeds the unmet need (for example 20,000 acre-feet per year), the proposed reuse water management strategy is deemed feasible.
Mr. Perkins continued, saying that reuse is included in the current Region L Plan in as 1) existing supply, or 2) to as a water management strategy. Currently (2016 SCTRWP), SAWS, San Marcos,

New Braunfels, GBRA, SARA, Kyle, Kennedy, and Boerne have reuse supplies.

Mr. Perkins also noted that reuse and effluent becomes relevant in the development of hydrologic assumptions for the Planning Cycle, which must be approved by the TWDB.

A high level conversation ensued amongst Planning Group members regarding the impacts of how the Planning Group treats reuse in the planning process, specifically with regard to WAM Run 3. Chair Scott suggested that a workgroup be created to develop the hydrologic assumptions at a future meeting. That workgroup would address the reuse issue.

Further discussion revealed that perhaps a workgroup would not be necessary. The Planning Group resolved that the Mr. Perkins would offer a presentation at a future meeting on the hydrologic assumptions to get everyone up to speed on the process, and to provide clarity. At that point, the Planning Group could decide how to move forward, either with the creation of a workgroup or not

b. IDENTIFYING SPECIAL STUDIES OR EVALUATIONS DEEMED IMPORTANT TO ENHANCE THE 2021 PLAN AND IDENTIFICATION OF OUTSIDE FUNDING SOURCES

Brian Perkins reminded the Planning Group that the TWDB allocated funding for special projects. Region L completed five studies with these funds. Those included two environmental assessments, one related to water management strategies, the other on harvest equations in the estuary. One study focused on brush management. One focused on an all-inclusive conservation study. The last one focused on Lower Guadalupe Water Supply Project. The funding was provided exclusive from the funding dedicated to the tasks prescribed by the TWDB rules. However, it was noted that moving forward, there were no funds allocated from TWDB for special studies or evaluation. Mr. Perkins pointed out that, to the extent that an innovative strategy or something new emerges, and the Planning Group wants to evaluate it under the water management strategy budget, the Planning Group could choose to evaluate it within the context of the regional water planning scope of work. Any studies, not meeting the criteria of water management strategy would require additional funding, dedicated outside the current budget. Thus, sponsors of such a study would have to commit the funds outside the TWDB funding.

From this Mr. Perkins segued to innovative strategies included in past regional water plans.

c. THE EXTENT TO WHICH INNOVATIVE STRATEGIES SHOULD BE USED

Brian Perkins reminded the Planning Group of innovative strategies used in past regional water plans. These included advanced water conservation, drought management, reuse/recycle programs, brackish groundwater desalination, seawater desalination, aquifer storage and recovery, brush management, rainwater harvesting, weather modification/cloud seeding, and other special studies.

Discussion ensued regarding a number different potential innovated water management strategies that could be further discussed and incorporated in the 2021 Regional Water Plan. Members and the public were encouraged to bring their ideas and corresponding funding forward at future meetings (funding for those innovative strategies that do not meet the criteria of water management strategy or water management strategy project). While no action was taken during this item, each topic was tabled for the next regularly scheduled Region L meeting.

AGENDA ITEM NO. 14: DISCUSSION AND APPROPRIATE ACTION REGARDING CONSULTANT'S WORK AND SCHEDULE

Brian Perkins briefly reviewed the consultants schedule for the fifth cycle of regional water planning, and disseminated a list of ongoing projects Black and Veatch and their subcontractors are involved with on a contractual level.

Mr. Perkins reminded the Planning Group that it has the opportunity to designate "sub-WUGs" to elevate water utilities, who do not currently meet TWDB's threshold for WUG classification, to "Water User Group" status. However, no such utilities had come forward to request WUG status, despite having reached out to each one within the regional water planning area. Mr. Perkins made a recommendation that no changes to the current list be made, unless a non-WUG utility came forward to request WUG status. While no action was taken, the recommendation was generally accepted with no objections.

Lastly, Mr. Perkins briefed the Planning Group on recent efforts to disseminate TWDB water demand and population projection information throughout the regional water planning area, and solicit feedback. As a result of having sent out the surveys, Mr. Perkins received feedback from about 22 percent the water utilities, representing 75 percent of the population. While not every utility responded to the initial survey, the major water utilities throughout the region responded. Additionally, Mr. Perkins announced that the Regional Water Alliance, a group of water purveyors throughout the region, would be holding a Workshop on May 12, 2017. Part of the impetus behind the Workshop was to drive more responses from water utilities throughout the region.

AGENDA ITEM NO. 15: TEXAS COMPTROLLER OF PUBLIC ACCOUNTS PRESENTATION: IMPACT OF FEDERAL LISTING OF FRESHWATER MUSSELS AS ENDANGERED OR THREATENED SPECIES – KIMBERLEY A. HORNDESKI

Kimberley Horndeski, with the Texas Comptroller of Public Accounts, gave a presentation on the Comptroller's ongoing Central Texas Freshwater Mussels study, and its 12 month finding report. The purpose of the study was to identify state funding priorities based on immediacy of listing decisions, existing data gaps, and the potential impacts of listing decisions. Specifically, the study produced findings on impoundments, sedimentation, dewatering, chemical contaminants, and sand and gravel mining. The full recording and Power Point presentation is available at www.regionltexas.org.

AGENDA ITEM NO. 16: POSSIBLE AGENDA ITEMS FOR THE NEXT REGION L MEETING

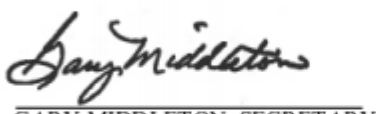
A. ADOPTING SUBSTITUTION TO 2016 REGION L REGIONAL WATER PLAN
B. WORKGROUP UPDATES
C. REVIEW AND RECOMMEND REVISION REQUEST REGARDING DRAFT POPULATION DEMAND PROJECTIONS
D. SAWS 2017 WATER MANAGEMENT PLAN

The planning group reviewed the items scheduled for the next meeting. No items were added.

AGENDA ITEM NO. 17: PUBLIC COMMENT

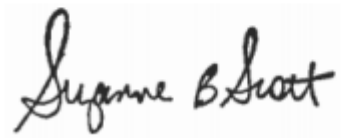
No comments were made.

Chair Scott adjourned the meeting.



GARY MIDDLETON, SECRETARY

Approved by the South Central Texas Regional Water Planning Group at a meeting held on August 3, 2017.



SUZANNE SCOTT, CHAIR

Minutes of the
South Central Texas Regional Water Planning Group
August 3, 2017

Chairwoman Suzanne Scott called the meeting to order at 9:00 a.m. in the San Antonio Water System's (SAWS) Customer Service Building, Room CR 145, 2800 US Highway 281 North, San Antonio, Bexar County, Texas.

28 of the 30 voting members, or their alternates, were present.

Voting Members Present:

Tim Andruss
Pat Calhoun
Gene Camargo
Rey Chavez
Will Conley
Curt Campbell
Art Dohman
Blair Fitzsimons
Annie Kellough for Charlie Flatten
Vic Hilderbran
Kevin Janak
Russell Labus
Glenn Lord
Doug McGooky
Dan Meyer
Gary Middleton
Con Mims
Kevin Patteson
Robert Puente
Steve Ramsey
Blaine Schorp for Weldon Riggs
David Roberts
Marc Friberg for Roland Ruiz
Dianne Savage
Suzanne Scott
Thomas Taggart
Dianne Wassenich
Adam Yablonski

Voting Members Absent

Iliana Pena
Greg Sengelmann

Non-Voting Members Present:

Ron Ellis, Texas Water Development Board (TWDB)
Iliana Delgado, South Texas Water Master (Texas Commission on Environmental Quality (TCEQ)
Jamie McCool, Texas Department of Agriculture

Non-Voting Members Absent:
Marty Kelley, Texas Department of Parks and Wildlife
Charles Wiedenfeld, Region J Liaison
Don McGhee, Region M Liaison
Ronald Fieseler, Region K Liaison
Carl Crull, Region N Liason

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All PowerPoint presentations and meeting materials referenced in the minutes are available in the meeting Agenda Packet at www.regionaltexas.org.

AGENDA ITEM NO. 1: PUBLIC COMMENT

Graham Moore, Executive Director of the Alliance Regional Water Authority, announced that the former "Hays Caldwell Public Utility Agency" underwent some changes with the passing of SB 1198, effectively converting the HCPUA from a public utility agency to a regional water authority. HCPUA is now Alliance Regional Water Authority, and the new website is www.alliancewater.org. Additionally, Mr. Moore voiced support for the adoption of the Environmental Workgroup's recommendations, which were to be considered under Agenda Item No. 9.

Terry Burns, with the Alamo Chapter of the Sierra Club, made some comments in support of rainwater harvesting and stormwater capture, and gave brief comments supporting the Sierra Clubs alternative water management plan.

Allen Montemayor, echoed Mr. Burns, asking the planning group members to go back to the organizations that they represent and focus on education and outreach regarding planning and reducing water demand by using water sustainably.

Suzanne Scott announced that Adam Yablonski was named Conservation Farmer of the Year by the State Association of Soil and Water Conservation Districts.

AGENDA ITEM NO. 2: APPROVAL OF THE MINUTES FROM THE MAY 4, 2017, MEETING OF THE SOUTH CENTRAL TEXAS REGIONAL WATER PLANNING GROUP (REGION L)

Chair Scott asked for a motion to approve the minutes from May 4, 2017. Con Mims made a motion to approve the minutes. Gary Middleton seconded the motion. The minutes were approved by consensus.

AGENDA ITEM NO. 3: STATUS OF EDWARDS AQUIFER HABITAT CONSERVATION PLAN (HCP) – NATHAN PENCE, EXECUTIVE DIRECTOR EAHCP

An update for the EAHCP was not provided.

AGENDA ITEM NO. 4: STATUS OF GUADALUPE, SAN ANTONIO, MISSION, AND ARANSAS RIVERS AND MISSION, COPANO, ARANSAS, AND SAN ANTONIO BAYS BASIN AND BAY STAKEHOLDER COMMITTEE (BBASC) AND EXPERT SCIENCE TEAM (BBEST)

Suzanne Scott reminded the Planning Group that the next GSA BBASC meeting would be held on September 15, 2017. A new member orientation was scheduled to begin at 9:00 am, and the regular agenda would begin at 10:00 am.

AGENDA ITEM NO. 5: TEXAS WATER DEVELOPMENT BOARD (TWDB) COMMUNICATIONS

Ron Ellis, TWDB, gave some brief updates regarding the latest at TWDB. Mr. Ellis informed the group that TWDB would be updating the rules due to some legislative changes, which were adopted during the 85th Legislative Session. More information would be going out in the future, and an opportunity for public comment on the rules would be provided.

Regarding population and water demand projections, all of TWDB's initial projection figures had been sent out, and information regarding non-municipal demand projections would be presented later on during the meeting. Mr. Ellis reviewed several deadlines with regard to population and demand projections, and noted that he anticipated TWDB action adopting all population and water demand projections by March 2018.

Mr. Ellis also reviewed the results of the TWDB's Planning Stakeholder Survey (the PowerPoint presentation and results are available at www.regionltexas.org).

AGENDA ITEM NO. 6: CHAIR'S REPORT

Chair Scott briefed the Planning Group on the recent legislative changes, which may impact members of the group and/or the regional water planning process generally. Namely, a non-voting member would be added to represent the State Soil and Water Conservation Board. A bill, which generally sought to sync up the planning process with the desired future conditions (DFC) process, had been signed into law as well. Lastly, a bill requiring subcommittees of the regional water planning groups to adhere to the Texas Open Meetings Act had also been adopted during the 85th Legislative Session.

AGENDA ITEM NO. 7: DISCUSSION AND APPROPRIATE ACTION REGARDING THE ADOPTION OF THE GUADALUPE-BLANCO RIVER AUTHORITY'S (GBRA) PROPOSED SUBSTITUTION OF AN ALTERNATIVE WATER MANAGEMENT STRATEGY IN THE 2016 REGION L REGIONAL WATER PLAN, THE MID-BASIN WATER SUPPLY PROJECT (MBWSP) — CONJUNCTIVE USE WITH AQUIFER STORAGE & RECOVERY (ASR), FOR TWO RECOMMENDED WATER MANAGEMENT STRATEGIES IN THE 2016 REGION L REGIONAL WATER PLAN: 1) THE GBRA MID-BASIN PROJECT (ASR), AND 2) THE TEXAS WATER ALLIANCE (TWA) CARRIZO PROJECT.

Kevin Patteson delivered a presentation on GBRA's plans to substitute an alternative water management strategy, identified in the SCTRWPG 2016 Regional Water Plan, for two recommended water management strategies, identified in the SCTRWPG 2016 Regional Water Plan. The presentation and Power Point are available at www.regionltexas.org.

Mr. Patteson gave a similar presentation at the May 4, 2017, Region L meeting. Since then, Region L had fulfilled the preconditions necessary for submitting 2016 Plan revision. TWDB had approved the revision as a "substitution" per the TWDB Rules, and now needed action by the Planning Group to effectuate the change. Mr. Patteson requested the SCTRWPG to consider adopting the GBRA proposed substitution of an alternative water management strategy in the 2016 Region L Plan, the Mid-basin Water Supply Project (MBWSP) — Conjunctive Use With Aquifer Storage & Recovery, for two recommended water management strategies in the 2016 Region L Regional Water Plan: 1) the GBRA Mid-Basin Project, and 2) the Texas Water Alliance (TWA) Carrizo Project.

After some discussion, Will Conley moved to adopt GBRA's substitution request. The motion was seconded. Dianne Wassenich abstained. The motion passed.

The items below were not captured on the audio recording due to an equipment malfunction. Therefore, the record is prepared from notes and memory, and agreed upon by the Planning Group by virtue of having adopted these minutes at the November 2, 2017, Region L Meeting.

AGENDA ITEM NO. 8: 2021 PLAN ENHANCEMENT PROCESS: RECAP OF GUIDING PRINCIPLES PREVIOUSLY DISCUSSED AND ADOPTED

Chair Scott reviewed the previously approved Guiding Principles, highlighted some changes made to the 2021 Plan Enhancement Schedule, and reminded the planning group of the 2021 Plan Enhancement Process.

AGENDA ITEM NO. 9: DISCUSSION AND APPROPRIATE ACTION REGARDING THE ADOPTION OF THE ENVIRONMENTAL ASSESSMENT WORKGROUP'S RECOMMENDATIONS ON THE FOLLOWING COMPONENTS OF THE 2021 PLAN ENHANCEMENT PROCESS:

A. THE ADEQUACY OF EVALUATING THE PLAN'S EFFECTS ON FRESHWATER INFLOWS TO SAN ANTONIO BAY

B. THE ADEQUACY OF ENVIRONMENTAL ASSESSMENTS OF INDIVIDUAL WATER MANAGEMENT STRATEGIES

Steven Siebert, Chair of the Environmental Assessment Workgroup, presented at brief PowerPoint presentation on the charge and work of the Workgroup. Mr. Siebert noted that the Workgroup was tasked with evaluating current methodologies, and determining if additional or alternative environmental assessments of instream effects and freshwater inflows into the San Antonio Bay, and of individual water management strategies, are necessary. Additionally, if such additional or alternative methodologies were recommended, the Workgroup would identify and address the associated costs.

Mr. Siebert briefed the Planning Group on the structure and principles by which the Workgroup conducted its work, addressed the Planning Group charge, and reviewed different aspects discussed by the Workgroup. The Workgroup's recommendation was presented as follows:

- Include high level write-up of climate variability for Planning Group member review and comment
- Eliminate Environmental Assessment comparisons of current plan to past plans
- Initiate Environmental Assessments earlier into the regional planning process
- Chapter 8 Policy Workgroup to consider recommendation for consistency in the regional planning process
- The Workgroup recommendation also noted that TWDB could be more prescriptive in how Environmental Assessments are organized and presented in the plans.

Rey Chavez made a motion to adopt the Workgroup's proposed recommendation. Kevin Janak seconded the motion. The motion passed by consensus.

Following the adoption of the recommendation, Chair Scott requested that Mr. Siebert memorialize

the recommendation in the form of a guiding principle for the Planning Group to consider at the next Planning Group meeting.

AGENDA ITEM NO. 10: DISCUSSION AND APPROPRIATE ACTION REGARDING THE STATUS OF THE MINIMUM STANDARDS WORKGROUP

Tim Andruss, Chair of the Minimum Standards Workgroup, briefed the Planning Group on the progress made by the Minimum Standards Workgroup. Mr. Andruss informed that the Planning Group that the Minimum Standards Workgroup anticipated having a recommendation for the Planning Group to consider at the November, 2017, Region L meeting.

AGENDA ITEM NO. 11: DISCUSSION AND APPROPRIATE ACTION REGARDING THE FOLLOWING COMPONENTS OF THE 2021 PLAN ENHANCEMENT PROCESS

a. THE ROLE OF REUSE WITHIN THE REGIONAL WATER PLAN

Brian Perkins, Black and Veatch, provided a PowerPoint presentation (available at www.regionltexas.org) addressing roles of effluent, modeling, and reuse within the scope of the regional water planning process. Mr. Perkins explained that effluent is modeled in the Regional Planning Water Availability Model (WAM) as 1) return flow factors on water rights, and 2) point discharges, which is not directly tied to a water right. Point discharges modeling is used to emulate historic discharges from most wastewater treatment plants (WWTPs).

Mr. Perkins reviewed the parameters for which effluent is accounted for in existing supplies, water management strategy evaluation, and cumulative effects in the 2016 Plan. This was provided as a baseline for developing the 2021 Plan hydrologic assumptions. In accounting existing supplies, the TWDB Rules assume a full authorization of water rights amounts. Absent a request for the inclusion of effluent, the default assumptions do not incorporate effluent into a water user group's current supply. With regard to the 2016 Region L Plan, the Planning Group included historical effluent (pre-2006). This is distinguishable from the assumptions required by TWDB Rules for the evaluation of water management strategies, which assumes full authorization and no effluent. Per the Rules, the 2016 Region L Plan did not included effluent in the evaluation of water management strategies. And lastly, in developing the cumulative effects analysis of the 2016 Plan, per TWDB Rules, full authorized water right amounts are assumed, and the inclusion of effluent is left to the Planning Group's discretion. The 2016 Region L Plan projected effluent to the year 2070.

Next, Mr. Perkins presented on the role of reuse. Reuse is included in the Region L Plan in two ways. The first is existing supply, which includes reuse projects constructed, operating, and delivering water to customers (e.g. SAWS Recycle Program). Reuse is used in the calculation of need (i.e. needs minus demands equal existing supplies). Reuse is also reflected in the cumulative effects analysis of the Plan, which accounts for the planned reused projects to meet needs. Mr. Perkins provide a list of water user groups and wholesale water providers that count reuse as an existing supply, and a list of reuse projects that were included in the 2016 Plan. Lastly, Mr. Perkins reviewed the framework by which reuse water management strategies are evaluated.

Discussion ensued regarding the Planning Group's guiding principle on the role of reuse within the regional water plan. Comment varied, but generally recognized that there was no role for effluent, absent a direct reuse project or contract for reuse. Most agreed that the Planning Group

should defer to the TWDB Rules, the language of which could be used as a basis for developing a guiding principle. Concerns were raised regarding environmental flow information not being included. It was voiced that there should an explanation as to why the Plan does not include effluent outside of the exceptions (reuse project, or contracted use of reuse).

After some deliberation, Chair Scott suggested that Cole Ruiz develop some language, which can be reviewed by the Executive Committee, and then proposed for adoption—or editing—at the November, 2017, Region L meeting. No action was taken.

a. **IDENTIFYING SPECIAL STUDIES OR EVALUATIONS DEEMED IMPORTANT TO ENHANCE THE 2021 PLAN AND IDENTIFICATION OF OUTSIDE FUNDING SOURCES**

b. **THE EXTENT TO WHICH INNOVATIVE STRATEGIES SHOULD BE USED**

Mr. Perkins, following up on the discussion that began at the May, 2017, Region L meeting (see minutes and recording, available at www.regionltexas.org) by reminding the Planning Group that no funding currently exists for special studies. However there could be a request to evaluate a strategy—"innovative" or otherwise—under Task 5, which would entail the same timeline as any strategy under evaluation.

A brief discussion followed, where members suggested setting a timeline for completion of a study in order to have the Planning Group consider including it in the Plan. Under such circumstances, the Planning Group may agree to waive the timeline.

After some deliberation, Chair Scott suggested that Cole Ruiz develop some language, which can be reviewed by the Executive Committee, and then proposed for adoption—or editing—at the November, 2017, Region L meeting. No action was taken.

AGENDA ITEM NO. 12: EVERGREEN UNDERGROUND WATER CONSERVATION DISTRICT PRESENTATION ON WEATHER MODIFICATION AS A POTENTIAL INNOVATIVE WATER MANAGEMENT STRATEGY

This item was postponed for the November 2, 2017, Region L meeting.

AGENDA ITEM NO. 13: DISCUSSION AND APPROPRIATE ACTION REGARDING CONSULTANT'S WORK AND SCHEDULE

Brian Perkins briefly reviewed the consultants schedule for the fifth cycle of regional water planning, and disseminated a list of ongoing projects Black and Veatch and their subcontractors are involved with on a contractual level.

AGENDA ITEM NO. 14: POSSIBLE AGENDA ITEMS FOR THE NEXT REGION L MEETING

The Planning Group discussed and generally agreed that the following items may be placed on the next agenda for the November, 2017, Region L meeting.

- San Antonio Water System's (SAWS) Water Management Plan presentation;
- Status and possible action regarding draft population and demand projections;
- Minimum Standards and Environmental Assessment Guiding Principle adoption;
- Hydrologic assumptions for the 2021 Regional Water Plan;
- Evergreen Underground Water Conservation District presentation on weather modification;
- The process by which the Planning Group considers potentially feasible water management strategies;
- Region L meeting schedule for Calendar Year 2018.

AGENDA ITEM NO. 15: PUBLIC COMMENT

No comments were made.

Chair Scott adjourned the meeting.

GARY MIDDLETON, SECRETARY

Approved by the South Central Texas Regional Water Planning Group at a meeting held on November 2, 2017.

SUZANNE SCOTT, CHAIR

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 G4O1: Develop and maintain a water quality monitoring program.
Evidence of Achievement:

1. VCGCD - GMo - Mea - Water Quality - WQM-20161014-01 - NW-001007
2. VCGCD - GMo - Mea - Water Quality - WQM-20161014-02 - NW-001006
3. VCGCD - GMo - Mea - Water Quality - WQM-20161017-01 - GW-000101
4. VCGCD - GMo - Mea - Water Quality - WQM-20161017-02 - GW-000102
5. VCGCD - GMo - Mea - Water Quality - WQM-20161024-01 - GW-000951

6. VCGCD - GMo - Mea - Water Quality - WQM-20161026-01 - GW-000781
7. VCGCD - GMo - Mea - Water Quality - WQM-20161102-03 - NW-001006 - & NW-001007
8. VCGCD - GMo - Mea - Water Quality - WQM-20161215-01 - GW-000824
9. VCGCD - GMo - Mea - Water Quality - WQM-20161230-01 - NW-000578
10. VCGCD - GMo - Mea - Water Quality - WQM-20170104-01 - GW-000824
11. VCGCD - GMo - Mea - Water Quality - WQM-20170130-01 - NW-000944
12. VCGCD - GMo - Mea - Water Quality - WQM-20170207-01 - GW-000795
13. VCGCD - GMo - Mea - Water Quality - WQM-20170207-02 - GW-000789
14. VCGCD - GMo - Mea - Water Quality - WQM-20170207-03 - GW-000589
15. VCGCD - GMo - Mea - Water Quality - WQM-20170207-04 - GW-000808
16. VCGCD - GMo - Mea - Water Quality - WQM-20170208-01 - GW-000803
17. VCGCD - GMo - Mea - Water Quality - WQM-20170213-01 - NW-000944
18. VCGCD - GMo - Mea - Water Quality - WQM-20170215-01 - GW-000791
19. VCGCD - GMo - Mea - Water Quality - WQM-20170228-01 - GW-000861
20. VCGCD - GMo - Mea - Water Quality - WQM-20170228-02 - GW-000791
21. VCGCD - GMo - Mea - Water Quality - WQM-20170228-03 - GW-000862
22. VCGCD - GMo - Mea - Water Quality - WQM-20170306-01 - GW-000376
23. VCGCD - GMo - Mea - Water Quality - WQM-20170330-01 - NW-000333
24. VCGCD - GMo - Mea - Water Quality - WQM-20170405-01 - GW-000047
25. VCGCD - GMo - Mea - Water Quality - WQM-20170405-02 - NW-000453
26. VCGCD - GMo - Mea - Water Quality - WQM-20170406-01 - GW-000608
27. VCGCD - GMo - Mea - Water Quality - WQM-20170406-02 - GW-000085
28. VCGCD - GMo - Mea - Water Quality - WQM-20170406-03 - GW-000609
29. VCGCD - GMo - Mea - Water Quality - WQM-20170406-04 - GW-000610
30. VCGCD - GMo - Mea - Water Quality - WQM-20170406-05 - NW-000030
31. VCGCD - GMo - Mea - Water Quality - WQM-20170406-06 - GW-000492
32. VCGCD - GMo - Mea - Water Quality - WQM-20170407-01 - GW-000158
33. VCGCD - GMo - Mea - Water Quality - WQM-20170407-02 - NW-000016
34. VCGCD - GMo - Mea - Water Quality - WQM-20170407-03 - GW-000159
35. VCGCD - GMo - Mea - Water Quality - WQM-20170407-04 - GW-000599
36. VCGCD - GMo - Mea - Water Quality - WQM-20170407-05 - GW-000494
37. VCGCD - GMo - Mea - Water Quality - WQM-20170407-06 - GW-000955
38. VCGCD - GMo - Mea - Water Quality - WQM-20170426-01 - GW-000680
39. VCGCD - GMo - Mea - Water Quality - WQM-20170426-02 - GW-000964
40. VCGCD - GMo - Mea - Water Quality - WQM-20170426-03 - GW-000965
41. VCGCD - GMo - Mea - Water Quality - WQM-20170508-01 - GW-000680, GW-000964, GW-000965
42. VCGCD - GMo - Mea - Water Quality - WQM-20170530-01 - NW-000666
43. VCGCD - GMo - Mea - Water Quality - WQM-20170606-01 - GW-000967
44. VCGCD - GMo - Mea - Water Quality - WQM-20170606-02 - GW-000970
45. VCGCD - GMo - Mea - Water Quality - WQM-20170606-03 - GW-000969
46. VCGCD - GMo - Mea - Water Quality - WQM-20170614-01 - GW-000970
47. VCGCD - GMo - Mea - Water Quality - WQM-20170614-02 - GW-000967
48. VCGCD - GMo - Mea - Water Quality - WQM-20170614-03 - GW-000971
49. VCGCD - GMo - Mea - Water Quality - WQM-20170622-01 - GW-000969
50. VCGCD - GMo - Mea - Water Quality - WQM-20170627-01 - GW-000971
51. VCGCD - GMo - Mea - Water Quality - WQM-20170802-01 - NW-001048
52. VCGCD - GMo - Mea - Water Quality - WQM-20170802-02 - NW-001049
53. VCGCD - GMo - Mea - Water Quality - WQM-20170802-03 - NW-001050
54. VCGCD - GMo - Mea - Water Quality - WQM-20170822-01 - NW-0001048 - NW-001049 - NW-001050

Goal 5: Addressing drought conditions - TWC §36.1071(a)(6) and 31 TAC 356.52(a)(1)(F)
Objective G5O1: Collect and review drought condition information related to Victoria County and the surrounding region of Texas.
Evidence of Achievement:

1. VCGCD - Adm - MM - Meeting Minutes - 20161021 - VCGCD BoD
2. VCGCD - Adm - MM - Meeting Minutes - 20161118 - VCGCD BoD
3. VCGCD - Adm - MM - Meeting Minutes - 20161216 - VCGCD BoD
4. VCGCD - Adm - MM - Meeting Minutes - 20170120 - VCGCD BoD
5. VCGCD - Adm - MM - Meeting Minutes - 20170324 - VCGCD BoD

6. VCGCD - Adm - MM - Meeting Minutes - 20170428 - VCGCD BoD
7. VCGCD - Adm - MM - Meeting Minutes - 20170526 - VCGCD BoD
8. VCGCD - Adm - MM - Meeting Minutes - 20170818 - VCGCD BoD
9. VCGCD - Adm - MM - Meeting Minutes - 20170915 - VCGCD BoD

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 G6O1: Promote conservation, rainwater harvesting or brush control within Victoria County.
Evidence of Achievement:
VCGCD - GC - POE - Educational Materials - Participation Acknowledgement Form - 2016 South Texas Farm and Ranch Show

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 G7O1: Develop and maintain a water level monitoring program.
Evidence of Achievement:

1. VCGCD - GMo - Mea - Water Level - WLM-20161014-01 - NW-001007
2. VCGCD - GMo - Mea - Water Level - WLM-20161014-02 - NW-001006
3. VCGCD - GMo - Mea - Water Level - WLM-20161215-01 - GW-000824
4. VCGCD - GMo - Mea - Water Level - WLM-20170130-01 - NW-000944
5. VCGCD - GMo - Mea - Water Level - WLM-20170207-01 - GW-000789
6. VCGCD - GMo - Mea - Water Level - WLM-20170207-02 - GW-000589
7. VCGCD - GMo - Mea - Water Level - WLM-20170208-01 - GW-000803
8. VCGCD - GMo - Mea - Water Level - WLM-20170215-01 - GW-000791
9. VCGCD - GMo - Mea - Water Level - WLM-20170221-01 - GW-000722
10. VCGCD - GMo - Mea - Water Level - WLM-20170221-02 - GW-000588
11. VCGCD - GMo - Mea - Water Level - WLM-20170221-03 - GW-000366
12. VCGCD - GMo - Mea - Water Level - WLM-20170327-01 - GW-000510
13. VCGCD - GMo - Mea - Water Level - WLM-20170327-02 - GW-000607
14. VCGCD - GMo - Mea - Water Level - WLM-20170327-03 - GW-000589
15. VCGCD - GMo - Mea - Water Level - WLM-20170327-04 - GW-000578
16. VCGCD - GMo - Mea - Water Level - WLM-20170327-05 - GW-000577
17. VCGCD - GMo - Mea - Water Level - WLM-20170327-06 - GW-000587
18. VCGCD - GMo - Mea - Water Level - WLM-20170327-07 - GW-000606
19. VCGCD - GMo - Mea - Water Level - WLM-20170327-08 - GW-000617
20. VCGCD - GMo - Mea - Water Level - WLM-20170327-09 - GW-000687
21. VCGCD - GMo - Mea - Water Level - WLM-20170327-10 - GW-000544
22. VCGCD - GMo - Mea - Water Level - WLM-20170327-11 - GW-000552
23. VCGCD - GMo - Mea - Water Level - WLM-20170327-12 - GW-000158
24. VCGCD - GMo - Mea - Water Level - WLM-20170327-13 - NW-000016
25. VCGCD - GMo - Mea - Water Level - WLM-20170327-14 - GW-000159
26. VCGCD - GMo - Mea - Water Level - WLM-20170327-15 - NW-000426
27. VCGCD - GMo - Mea - Water Level - WLM-20170327-16 - GW-000599
28. VCGCD - GMo - Mea - Water Level - WLM-20170327-17 - GW-000588
29. VCGCD - GMo - Mea - Water Level - WLM-20170327-18 - GW-000494
30. VCGCD - GMo - Mea - Water Level - WLM-20170327-19 - GW-000955
31. VCGCD - GMo - Mea - Water Level - WLM-20170327-20 - GW-000603
32. VCGCD - GMo - Mea - Water Level - WLM-20170327-21 - GW-000602
33. VCGCD - GMo - Mea - Water Level - WLM-20170327-22 - GW-000601
34. VCGCD - GMo - Mea - Water Level - WLM-20170327-23 - GW-000608
35. VCGCD - GMo - Mea - Water Level - WLM-20170327-24 - GW-000722
36. VCGCD - GMo - Mea - Water Level - WLM-20170327-25 - GW-000085
37. VCGCD - GMo - Mea - Water Level - WLM-20170327-26 - GW-000609
38. VCGCD - GMo - Mea - Water Level - WLM-20170327-27 - GW-000610
39. VCGCD - GMo - Mea - Water Level - WLM-20170327-28 - GW-000611
40. VCGCD - GMo - Mea - Water Level - WLM-20170327-29 - GW-000612
41. VCGCD - GMo - Mea - Water Level - WLM-20170327-30 - NW-000030
42. VCGCD - GMo - Mea - Water Level - WLM-20170327-31 - GW-000492
43. VCGCD - GMo - Mea - Water Level - WLM-20170327-32 - GW-000375

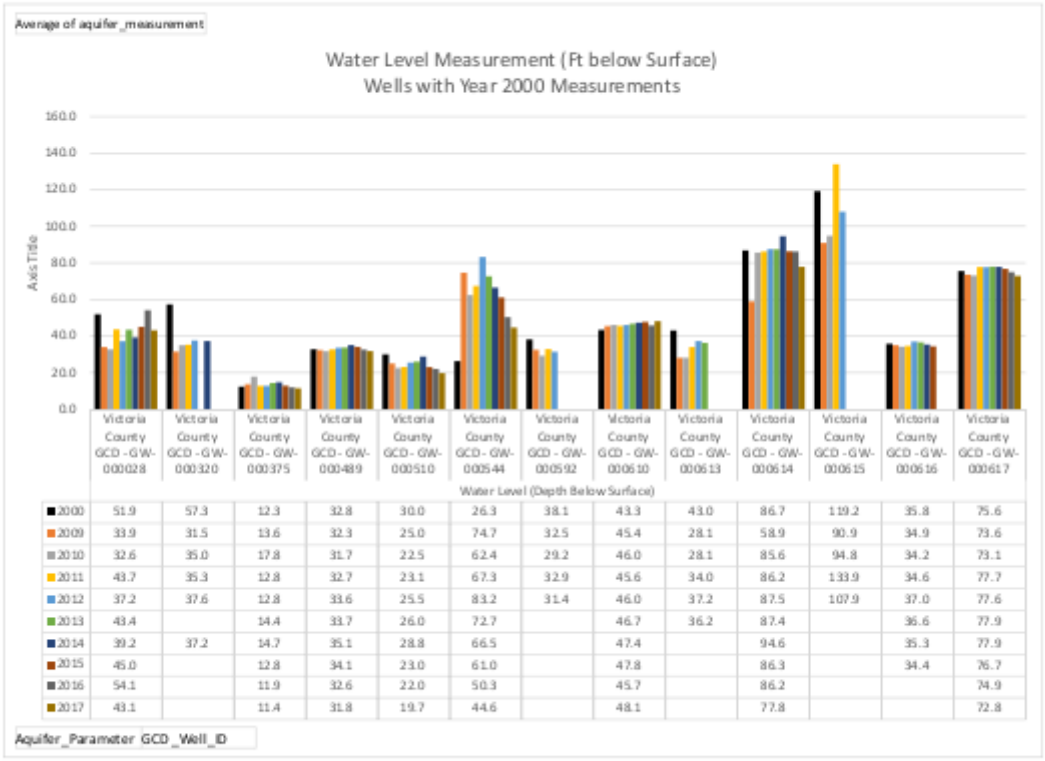
44. VCGCD - GMo - Mea - Water Level - WLM-20170327-33 - GW-000028
45. VCGCD - GMo - Mea - Water Level - WLM-20170327-34 - GW-000239
46. VCGCD - GMo - Mea - Water Level - WLM-20170327-35 - GW-000377
47. VCGCD - GMo - Mea - Water Level - WLM-20170327-36 - GW-000366
48. VCGCD - GMo - Mea - Water Level - WLM-20170327-37 - GW-000614
49. VCGCD - GMo - Mea - Water Level - WLM-20170327-38 - GW-000735
50. VCGCD - GMo - Mea - Water Level - WLM-20170327-39 - GW-000021
51. VCGCD - GMo - Mea - Water Level - WLM-20170327-40 - GW-000339
52. VCGCD - GMo - Mea - Water Level - WLM-20170328-01 - GW-000591
53. VCGCD - GMo - Mea - Water Level - WLM-20170328-02 - GW-000590
54. VCGCD - GMo - Mea - Water Level - WLM-20170328-03 - GW-000682
55. VCGCD - GMo - Mea - Water Level - WLM-20170328-04 - GW-000227
56. VCGCD - GMo - Mea - Water Level - WLM-20170328-05 - GW-000181
57. VCGCD - GMo - Mea - Water Level - WLM-20170328-06 - GW-000101
58. VCGCD - GMo - Mea - Water Level - WLM-20170328-07 - GW-000102
59. VCGCD - GMo - Mea - Water Level - WLM-20170328-08 - GW-000489
60. VCGCD - GMo - Mea - Water Level - WLM-20170328-09 - NW-000310
61. VCGCD - GMo - Mea - Water Level - WLM-20170328-10 - GW-000767
62. VCGCD - GMo - Mea - Water Level - WLM-20170328-11 - GW-000311
63. VCGCD - GMo - Mea - Water Level - WLM-20170328-12 - GW-000595
64. VCGCD - GMo - Mea - Water Level - WLM-20170328-13 - NW-000122
65. VCGCD - GMo - Mea - Water Level - WLM-20170328-14 - GW-000150
66. VCGCD - GMo - Mea - Water Level - WLM-20170328-15 - GW-000533
67. VCGCD - GMo - Mea - Water Level - WLM-20170328-16 - GW-000562
68. VCGCD - GMo - Mea - Water Level - WLM-20170328-17 - GW-000395
69. VCGCD - GMo - Mea - Water Level - WLM-20170328-18 - GW-000576
70. VCGCD - GMo - Mea - Water Level - WLM-20170328-19 - NW-000550
71. VCGCD - GMo - Mea - Water Level - WLM-20170328-20 - NW-000438
72. VCGCD - GMo - Mea - Water Level - WLM-20170330-01 - NW-000333
73. VCGCD - GMo - Mea - Water Level - WLM-20170405-01 - GW-000047
74. VCGCD - GMo - Mea - Water Level - WLM-20170405-02 - NW-000165
75. VCGCD - GMo - Mea - Water Level - WLM-20170406-01 - GW-000722
76. VCGCD - GMo - Mea - Water Level - WLM-20170406-02 - GW-000583
77. VCGCD - GMo - Mea - Water Level - WLM-20170606-01 - GW-000967
78. VCGCD - GMo - Mea - Water Level - WLM-20170606-02 - GW-000970
79. VCGCD - GMo - Mea - Water Level - WLM-20170614-01 - GW-000971
80. VCGCD - GMo - Mea - Water Level - WLM-20170628-01 - GW-000722
81. VCGCD - GMo - Mea - Water Level - WLM-20170628-02 - GW-000588
82. VCGCD - GMo - Mea - Water Level - WLM-20170630-01 - GW-000366
83. VCGCD - GMo - Mea - Water Level - WLM-20170802-01 - NW-001050
84. VCGCD - GMo - Mea - Water Level - WLM-20170925-01 - GW-000510
85. VCGCD - GMo - Mea - Water Level - WLM-20170925-02 - GW-000607
86. VCGCD - GMo - Mea - Water Level - WLM-20170925-03 - GW-000589
87. VCGCD - GMo - Mea - Water Level - WLM-20170925-04 - GW-000578
88. VCGCD - GMo - Mea - Water Level - WLM-20170925-05 - GW-000577
89. VCGCD - GMo - Mea - Water Level - WLM-20170925-06 - GW-000587
90. VCGCD - GMo - Mea - Water Level - WLM-20170925-07 - GW-000606
91. VCGCD - GMo - Mea - Water Level - WLM-20170925-08 - GW-000617
92. VCGCD - GMo - Mea - Water Level - WLM-20170925-09 - GW-000687
93. VCGCD - GMo - Mea - Water Level - WLM-20170925-10 - GW-000544
94. VCGCD - GMo - Mea - Water Level - WLM-20170925-11 - GW-000552
95. VCGCD - GMo - Mea - Water Level - WLM-20170925-12 - GW-000158
96. VCGCD - GMo - Mea - Water Level - WLM-20170925-13 - NW-000116
97. VCGCD - GMo - Mea - Water Level - WLM-20170925-14 - GW-000159
98. VCGCD - GMo - Mea - Water Level - WLM-20170925-15 - NW-000426
99. VCGCD - GMo - Mea - Water Level - WLM-20170925-16 - GW-000599
100. VCGCD - GMo - Mea - Water Level - WLM-20170925-17 - GW-000588
101. VCGCD - GMo - Mea - Water Level - WLM-20170925-18 - GW-000494
102. VCGCD - GMo - Mea - Water Level - WLM-20170925-19 - GW-000955
103. VCGCD - GMo - Mea - Water Level - WLM-20170925-20 - GW-000602
104. VCGCD - GMo - Mea - Water Level - WLM-20170925-21 - GW-000601

105. VCGCD - GMo - Mea - Water Level - WLM-20170925-22 - GW-000608
106. VCGCD - GMo - Mea - Water Level - WLM-20170925-23 - GW-000722
107. VCGCD - GMo - Mea - Water Level - WLM-20170925-24 - GW-000085
108. VCGCD - GMo - Mea - Water Level - WLM-20170925-25 - GW-000609
109. VCGCD - GMo - Mea - Water Level - WLM-20170925-26 - GW-000612
110. VCGCD - GMo - Mea - Water Level - WLM-20170925-27 - NW-000030
111. VCGCD - GMo - Mea - Water Level - WLM-20170925-28 - GW-000492
112. VCGCD - GMo - Mea - Water Level - WLM-20170925-29 - GW-000583
113. VCGCD - GMo - Mea - Water Level - WLM-20170925-30 - GW-000610
114. VCGCD - GMo - Mea - Water Level - WLM-20170925-31 0 GW-000611
115. VCGCD - GMo - Mea - Water Level - WLM-20170925-32 - GW-000028
116. VCGCD - GMo - Mea - Water Level - WLM-20170925-33 - GW-000239
117. VCGCD - GMo - Mea - Water Level - WLM-20170925-34 - GW-000377
118. VCGCD - GMo - Mea - Water Level - WLM-20170925-35 - GW-000366
119. VCGCD - GMo - Mea - Water Level - WLM-20170925-36 - GW-000614
120. VCGCD - GMo - Mea - Water Level - WLM-20170925-37 - GW-000735
121. VCGCD - GMo - Mea - Water Level - WLM-20170925-38 - GW-000021
122. VCGCD - GMo - Mea - Water Level - WLM-20170925-39 - GW-000339
123. VCGCD - GMo - Mea - Water Level - WLM-20170926-01 - NW-000122
124. VCGCD - GMo - Mea - Water Level - WLM-20170926-02 - GW-000595
125. VCGCD - GMo - Mea - Water Level - WLM-20170926-03 - GW-000311
126. VCGCD - GMo - Mea - Water Level - WLM-20170926-04 - GW-000767
127. VCGCD - GMo - Mea - Water Level - WLM-20170926-05 - GW-000489
128. VCGCD - GMo - Mea - Water Level - WLM-20170927-01 - GW-000576
129. VCGCD - GMo - Mea - Water Level - WLM-20170927-02 - NW-000550
130. VCGCD - GMo - Mea - Water Level - WLM-20170927-03 - NW-000438
131. VCGCD - GMo - Mea - Water Level - WLM-20170927-04 - GW-000395
132. VCGCD - GMo - Mea - Water Level - WLM-20170927-05 - GW-000562
133. VCGCD - GMo - Mea - Water Level - WLM-20170927-06 - GW-000533
134. VCGCD - GMo - Mea - Water Level - WLM-20170927-07 - GW-000150
135. VCGCD - GMo - Mea - Water Level - WLM-20170927-08 - GW-000192
136. VCGCD - GMo - Mea - Water Level - WLM-20170927-09 - GW-000227
137. VCGCD - GMo - Mea - Water Level - WLM-20170927-10 - GW-000181
138. VCGCD - GMo - Mea - Water Level - WLM-20170927-11 - GW-000101

Objective G7O2: 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 Victoria County.
Evidence of Achievement:

VCGCD - Adm - MM - Meeting Packets - 20180202 - Board of Directors

Average of aquifer_measurement	Column Labels									
Row Labels	2000	2009	2010	2011	2012	2013	2014	2015	2016	2017
Water Level (Depth Below Surface)	**50.2**	**46.7**	**45.8**	**48.0**	**49.2**	**50.8**	**47.7**	**49.7**	**47.2**	**45.6**
Victoria County GCD - GW-000028	51.9	33.9	32.6	43.7	37.2	43.4	39.2	45.0	54.1	43.1
Victoria County GCD - GW-000320	57.3	31.5	35.0	35.3	37.6		37.2			
Victoria County GCD - GW-000375	12.3	13.6	17.8	12.8	12.8	14.4	14.7	12.8	11.9	11.4
Victoria County GCD - GW-000489	32.8	32.3	31.7	32.7	33.6	33.7	35.1	34.1	32.6	31.8
Victoria County GCD - GW-000510	30.0	25.0	22.5	23.1	25.5	26.0	28.8	23.0	22.0	19.7
Victoria County GCD - GW-000544	26.3	74.7	62.4	67.3	83.2	72.7	66.5	61.0	50.3	44.6
Victoria County GCD - GW-000592	38.1	32.5	29.2	32.9	31.4					
Victoria County GCD - GW-000610	43.3	45.4	46.0	45.6	46.0	46.7	47.4	47.8	45.7	48.1
Victoria County GCD - GW-000613	43.0	28.1	28.1	34.0	37.2	36.2				
Victoria County GCD - GW-000614	86.7	58.9	85.6	86.2	87.5	87.4	94.6	86.3	86.2	77.8
Victoria County GCD - GW-000615	119.2	90.9	94.8	133.9	107.9					
Victoria County GCD - GW-000616	35.8	34.9	34.2	34.6	37.0	36.6	35.3	34.4		
Victoria County GCD - GW-000617	75.6	73.6	73.1	77.7	77.6	77.9	77.9	76.7	74.9	72.8


Average of aquifer_measurement
Water Level Measurement (Ft below Surface)
Wells with Year 2000 Measurements
Axis Title
160.0
140.0
120.0
100.0
80.0
60.0
40.0
20.0
0.0
Victoria County GCD - GW-000028
Victoria County GCD - GW-000320
Victoria County GCD - GW-000375
Victoria County GCD - GW-000489
Victoria County GCD - GW-000510
Victoria County GCD - GW-000544
Victoria County GCD - GW-000592
Victoria County GCD - GW-000610
Victoria County GCD - GW-000613
Victoria County GCD - GW-000614
Victoria County GCD - GW-000615
Victoria County GCD - GW-000616
Victoria County GCD - GW-000617
Water Level (Depth Below Surface)
2000 51.9 57.3 12.3 32.8 30.0 26.3 38.1 43.3 43.0 86.7 119.2 35.8 75.6
2009 33.9 31.5 13.6 32.3 25.0 74.7 32.5 45.4 28.1 58.9 90.9 34.9 73.6
2010 32.6 35.0 17.8 31.7 22.5 62.4 29.2 46.0 28.1 85.6 94.8 34.2 73.1
2011 43.7 35.3 12.8 32.7 23.1 67.3 32.9 45.6 34.0 86.2 133.9 34.6 77.7
2012 37.2 37.6 12.8 33.6 25.5 83.2 31.4 46.0 37.2 87.5 107.9 37.0 77.6
2013 43.4 14.4 33.7 26.0 72.7 46.7 36.2 87.4 36.6 77.9
2014 39.2 37.2 14.7 35.1 28.8 66.5 47.4 94.6 35.3 77.9
2015 45.0 12.8 34.1 23.0 61.0 47.8 86.3 34.4 76.7
2016 54.1 11.9 32.6 22.0 50.3 45.7 86.2 74.9
2017 43.1 11.4 31.8 19.7 44.6 48.1 77.8 72.8
Aquifer_Parameter GCD_Well_ID

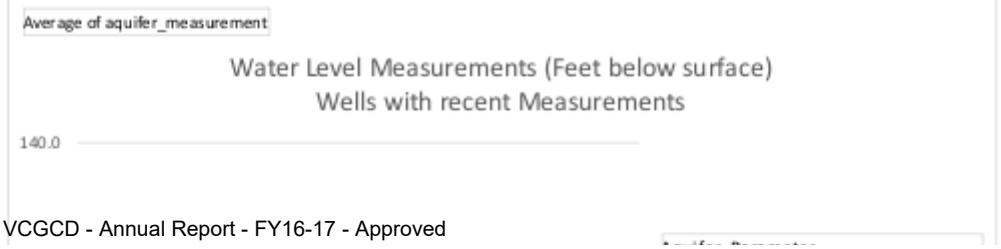
Average of aquifer_measurement	Column Labels									
Row Labels	2000	2009	2010	2011	2012	2013	2014	2015	2016	2017
Water Level (Depth Below Surface)	**60.3**	**52.0**	**49.6**	**52.4**	**53.3**	**54.5**	**54.5**	**53.4**	**50.3**	**49.9**
Victoria County GCD - GW-000021		38.0	36.1	37.6	39.3	36.6	42.9	44.0	43.3	42.1
Victoria County GCD - GW-000028	51.9	33.9	32.6	43.7	37.2	43.4	39.2	45.0	54.1	43.1
Victoria County GCD - GW-000030							50.5			
Victoria County GCD - GW-000047						62.0	62.3	57.0	54.5	52.7
Victoria County GCD - GW-000085						37.0	40.9	35.7	34.6	33.1
Victoria County GCD - GW-000101						25.6	25.9	24.1	22.6	21.3
Victoria County GCD - GW-000102							31.9	23.4	22.2	21.7
Victoria County GCD - GW-000138						102.5	94.5	84.4	82.2	
Victoria County GCD - GW-000150						32.5	31.1	28.7	27.2	26.9
Victoria County GCD - GW-000158						74.5	75.1	74.9	74.4	73.2
Victoria County GCD - GW-000159						81.5	79.4	80.7	79.6	78.4
Victoria County GCD - GW-000181						22.4		24.9	22.1	22.8
Victoria County GCD - GW-000189						23.7				
Victoria County GCD - GW-000190						60.4				
Victoria County GCD - GW-000192						28.8		29.1	27.3	27.2
Victoria County GCD - GW-000195							58.2			
Victoria County GCD - GW-000212						39.5				
Victoria County GCD - GW-000227						29.4		29.0	21.0	27.1
Victoria County GCD - GW-000239		49.8	52.6	56.9	61.6	66.4	61.9	57.1	56.2	54.4
Victoria County GCD - GW-000244	72.9									
Victoria County GCD - GW-000271							68.6	57.9	51.7	
Victoria County GCD - GW-000308	105.4									
Victoria County GCD - GW-000310								23.6	31.9	
Victoria County GCD - GW-000311		32.0	28.9	30.2	31.6	32.3	31.8	31.6	30.5	28.5
Victoria County GCD - GW-000320	57.3	31.5	35.0	35.3	37.6		37.2			
Victoria County GCD - GW-000321	55.6									
Victoria County GCD - GW-000339		87.1	78.9	87.8	93.6	99.1	99.2	99.3	97.4	95.5
Victoria County GCD - GW-000364				57.5	61.5	57.5	60.5	59.9	60.0	
Victoria County GCD - GW-000366		51.4	54.0	56.2	60.9	60.9	64.4	62.3	60.5	58.2
Victoria County GCD - GW-000375	12.3	13.6	17.8	12.8	12.8	14.4	14.7	12.8	11.9	11.4
Victoria County GCD - GW-000377		31.6	28.5	30.4	31.3	32.8	33.0	31.7	30.6	29.4
Victoria County GCD - GW-000395						29.2	26.9	28.2	24.1	24.1
Victoria County GCD - GW-000489	32.8	32.3	31.7	32.7	33.6	33.7	35.1	34.1	32.6	31.8
Victoria County GCD - GW-000492					48.6	42.5	43.6	41.9	42.3	41.6
Victoria County GCD - GW-000494						98.4	96.5	95.6	93.9	92.4
Victoria County GCD - GW-000510	30.0	25.0	22.5	23.1	25.5	26.0	28.8	23.0	22.0	19.7
Victoria County GCD - GW-000533						40.5	39.4	35.6	36.3	35.5
Victoria County GCD - GW-000544	26.3	74.7	62.4	67.3	83.2	72.7	66.5	61.0	50.3	44.6
Victoria County GCD - GW-000552						62.3	63.6	64.2	63.0	62.4
Victoria County GCD - GW-000562						47.9	46.5	45.5	44.0	42.7
Victoria County GCD - GW-000576						39.1	38.8	34.4	35.4	35.1
Victoria County GCD - GW-000577							57.2	56.6	53.4	52.3
Victoria County GCD - GW-000578							50.3	51.4	47.2	45.3
Victoria County GCD - GW-000583							6.9	5.7	5.0	4.4
Victoria County GCD - GW-000587							69.3	68.7	59.8	63.0
Victoria County GCD - GW-000588						89.3	89.7	88.5	87.8	86.8
Victoria County GCD - GW-000589						54.4	53.6	51.6	47.8	45.4
Victoria County GCD - GW-000590						44.6	44.6	43.2	43.7	

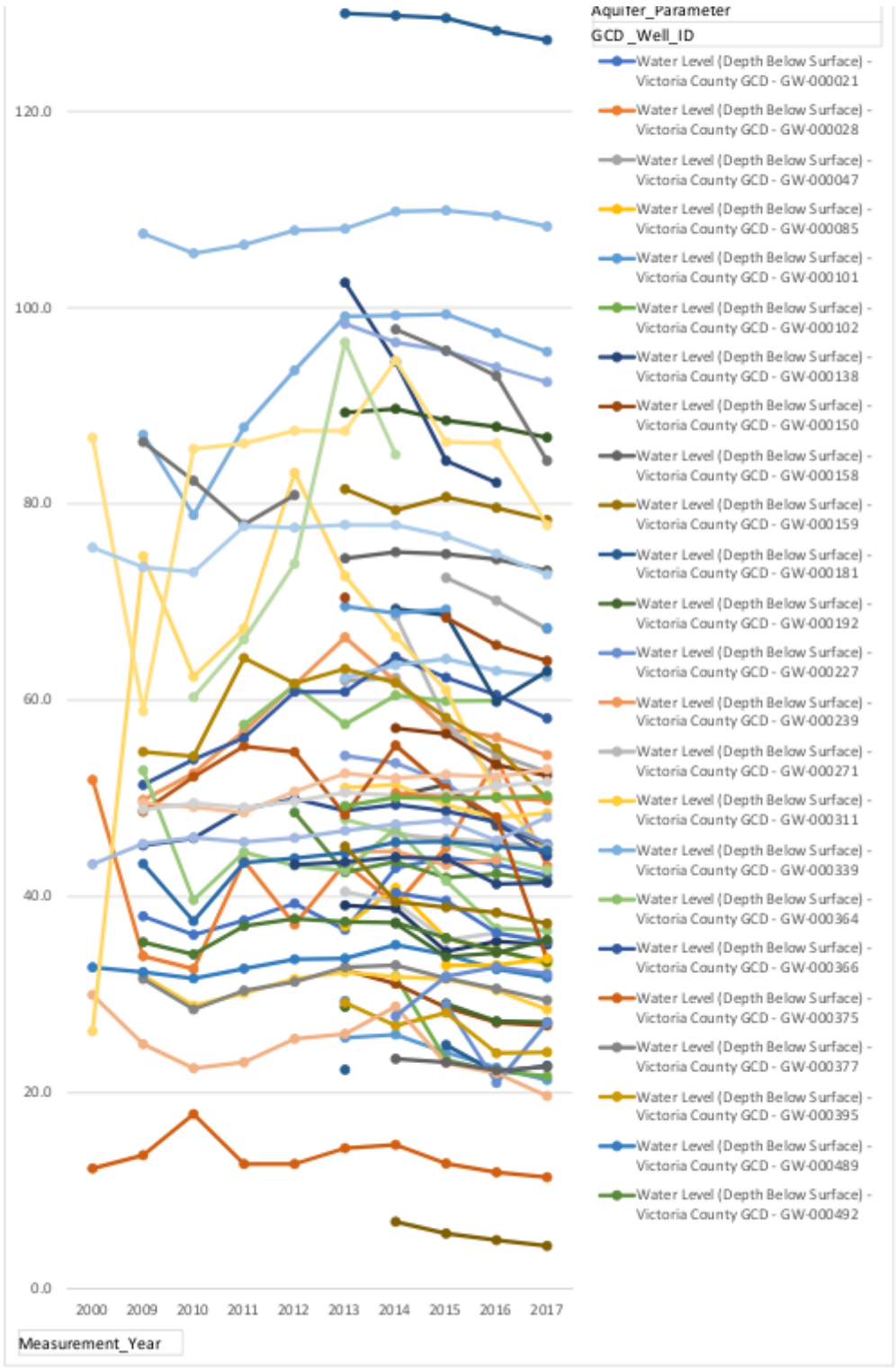
Victoria County GCD - GW-000591							46.3	45.9	45.5	45.0
Victoria County GCD - GW-000592	38.1	32.5	29.2	32.9	31.4					
Victoria County GCD - GW-000595						51.1	51.4	49.3	48.1	48.5
Victoria County GCD - GW-000599		107.5	105.5	106.4	107.9	108.0	109.8	109.9	109.4	108.3
Victoria County GCD - GW-000601		52.9	39.7	44.5	43.2	42.7	46.9	41.6	36.8	36.5
Victoria County GCD - GW-000602		45.2	46.0	49.0	50.0	48.8	49.4	48.7	47.6	44.2
Victoria County GCD - GW-000603		48.7	52.2	55.3	54.7	48.3	55.4	51.0	48.1	33.6
Victoria County GCD - GW-000606		86.3	82.4	77.9	80.9		97.8	95.6	93.0	84.4
Victoria County GCD - GW-000607		54.8	54.3	64.3	61.7	63.2	61.8	58.2	55.1	50.0
Victoria County GCD - GW-000608		43.3	37.5	43.5	43.9	44.5	45.5	45.6	45.1	44.7
Victoria County GCD - GW-000609		35.4	34.1	37.0	37.7	37.4	37.4	35.8	34.5	33.4
Victoria County GCD - GW-000610	43.3	45.4	46.0	45.6	46.0	46.7	47.4	47.8	45.7	48.1

Victoria County GCD - GW-000611		49.5	49.1	48.6	50.7	52.6	52.1	52.4	52.2	53.0
Victoria County GCD - GW-000612		48.8	49.5	49.1	49.7	50.6	50.3	50.5	51.2	51.7
Victoria County GCD - GW-000613	43.0	28.1	28.1	34.0	37.2	36.2				
Victoria County GCD - GW-000614	86.7	58.9	85.6	86.2	87.5	87.4	94.6	86.3	86.2	77.8
Victoria County GCD - GW-000615	119.2	90.9	94.8	133.9	107.9					
Victoria County GCD - GW-000616	35.8	34.9	34.2	34.6	37.0	36.6	35.3	34.4		
Victoria County GCD - GW-000617	75.6	73.6	73.1	77.7	77.6	77.9	77.9	76.7	74.9	72.8
Victoria County GCD - GW-000620			60.3	66.2	73.9	96.5	85.0			
Victoria County GCD - GW-000682							49.7		49.3	49.3
Victoria County GCD - GW-000687							40.4	39.6	36.3	35.4
Victoria County GCD - GW-000700							70.3			
Victoria County GCD - GW-000713	76.0									
Victoria County GCD - GW-000716							45.5			
Victoria County GCD - GW-000717							37.6			
Victoria County GCD - GW-000718							54.9			
Victoria County GCD - GW-000722							50.5	50.1	50.1	49.8
Victoria County GCD - GW-000723							55.8			
Victoria County GCD - GW-000728								35.9		
Victoria County GCD - GW-000729								41.4		
Victoria County GCD - GW-000734									30.5	
Victoria County GCD - GW-000735								72.5	70.2	67.3
Victoria County GCD - GW-000767								33.0	33.0	33.7
Victoria County GCD - GW-000778								52.1		
Victoria County GCD - GW-000779								35.3		
Victoria County GCD - GW-000780								48.2	45.1	
Victoria County GCD - GW-000789										45.6
Victoria County GCD - GW-000791										41.5
Victoria County GCD - GW-000803										46.3
Victoria County GCD - GW-000824									34.3	
Victoria County GCD - GW-000927								67.0		
Victoria County GCD - GW-000934									28.0	
Victoria County GCD - GW-000938									41.1	
Victoria County GCD - GW-000939									38.1	
Victoria County GCD - GW-000942									36.8	
Victoria County GCD - GW-000943									28.9	
Victoria County GCD - GW-000944									40.2	
Victoria County GCD - GW-000948	94.8									
Victoria county GCD - GW-000949	122.1									
Victoria County GCD - GW-000950	27.1									
Victoria County GCD - GW-000955										85.0
Victoria County GCD - GW-000967										22.2

Tab: Pivot - Wells w WLs

Victoria County GCD - GW-000970						33.0
Victoria County GCD - GW-000971						43.4
Victoria County GCD - NW-000016		69.6	68.9	69.3		67.4
Victoria County GCD - NW-000030		49.2	50.1	50.0	50.1	50.2
Victoria County GCD - NW-000097		65.5				
Victoria County GCD - NW-000116					65.0	66.6
Victoria County GCD - NW-000122	43.3	43.5	44.0	43.9	41.3	41.4
Victoria County GCD - NW-000165		70.5		68.4	65.6	64.0
Victoria County GCD - NW-000310			23.5	23.1	22.3	22.7
Victoria County GCD - NW-000333		45.1	39.5	38.9	38.4	37.3
Victoria County GCD - NW-000425		41.6	42.3	72.8		
Victoria County GCD - NW-000426		130.0	129.8	129.5	128.2	127.3
Victoria County GCD - NW-000438			37.3	33.9	34.3	35.6
Victoria County GCD - NW-000550			27.8	31.9	32.8	32.1
Victoria County GCD - NW-000580			72.9			
Victoria County GCD - NW-000681					47.3	
Victoria County GCD - NW-000944						32.6
Victoria County GCD - NW-001014						56.3
Victoria County GCD - NW-001050						49.9
Victoria County GCD - R1GW-000738				33.7		
Victoria CountyGCD - GW-000610						48.5





Minutes of Board of Director Meetings held during the report period:

1. VCGCD - Adm - MM - Meeting Minutes - 20161021 - VCGCD BoD
2. VCGCD - Adm - MM - Meeting Minutes - 20161118 - VCGCD BoD
3. VCGCD - Adm - MM - Meeting Minutes - 20161216 - VCGCD BoD
4. VCGCD - Adm - MM - Meeting Minutes - 20170120 - VCGCD BoD
5. VCGCD - Adm - MM - Meeting Minutes - 20170324 - VCGCD BoD
6. VCGCD - Adm - MM - Meeting Minutes - 20170428 - VCGCD BoD
7. VCGCD - Adm - MM - Meeting Minutes - 20170524 - VCGCD BoD

8. VCGCD - Adm - MM - Meeting Minutes - 20170526 - VCGCD BoD
9. VCGCD - Adm - MM - Meeting Minutes - 20170623 - VCGCD BoD
10. VCGCD - Adm - MM - Meeting Minutes - 20170818 - VCGCD BoD
11. VCGCD - Adm - MM - Meeting Minutes - 20170915 - VCGCD BoD
