

**Victoria County Groundwater Conservation District
Fiscal Year 2019 – 2020
October 1, 2019 to September 30, 2020
Annual Report**

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

The Management Plan of the District ([Management Plan of the District](#)), as adopted on April 20, 2018, 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, 2019 and September 30, 2020 and an assessment of the performance standards, the District has determined that all goals and associated objectives have been fully achieved during the fiscal year ending September 30, 2020.

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 107 non-grandfathered wells and 15 grandfathered wells in FY2020.

Number of non-grandfathered wells registered with the District as of October 2019: 1,378 wells
Number of non-grandfathered wells registered with the District as of September 2020: 1,480 wells

Number of grandfathered wells registered with the District as of October 2019: 1,002 wells
Number of grandfathered wells registered with the District as of September 2020: 1,017 wells

Achievement Level: Full

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 initiated 25 permitting request cases related to groundwater production permits during the fiscal year.

The District approved 19 production permits and 2 production permit renewals during the fiscal year.

The total volume of permitted groundwater production for the permits totals 49,765 acre-feet per year for non-aggregate production permits. The total volume of permitted groundwater production for the permits totals 35,765 acre-feet per year for aggregate production permits.

Achievement Level: Full

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

Objective 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 25 well inspections during the fiscal year. Of those wells inspected, none of the wells required improvement to control or prevent waste of groundwater.

Achievement Level: Full

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

Objective 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:

- Region L Meeting on November 7, 2019
- Region L Meeting on January 23, 2020
- Region L Meeting on February 20, 2020
- Region L Meeting on July 30, 2020
- Region L Meeting on September 3, 2020

Achievement Level: Full

Goal 4: Addressing natural resource issues which impact the use and availability of groundwater, and which are impacted by the use of groundwater – TWC §36.1071(a)(5) and 31 TAC §356.52(a)(1)(E)

Objective 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 processed 10 separate water quality field measurements 7 water quality lab measurements in the fiscal year. 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.

The District collected field measurements for total dissolved solids from 4 wells during 2020. The average total dissolved solids field measurement in year 2019 was 1.064 g/L. The average total dissolved solids field measurement in year 2020 was 0.843 g/L. The change in average total dissolved solids from year 2019 to year 2020 was -0.221 g/L (-22.1 mg/L TDS). *(The relatively small sample size for year 2020 may have significantly altered the utility and value of the comparison of change from year 2019 to 2020.)*

Achievement Level: Full

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 2019, November 2019, January 2020, February 2020, and April 2020.

Achievement Level: Full

Goal 6: Addressing conservation, recharge enhancement, rainwater harvesting, precipitation enhancement, or brush control, where appropriate and cost-effective - TWC §36.1071(a)(7) and 31 TAC 356.52(a)(1)(G)

Objective 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 2019 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

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 166 separate water level measurement from water wells within Victoria County during the fiscal year.

Table A. The following table displays the average water level (feet below the surface) by year for all wells with water level measurements within Victoria County in 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 2020 was 52.9 feet below the surface.

| Year | Count of Measurements | Avg. Water Level (Depth Below Surface in feet): |
|-------------|------------------------------|--|
| 2000 | 20 | 60.3 |
| 2009 | 49 | 52.0 |
| 2010 | 59 | 49.6 |
| 2011 | 63 | 52.4 |
| 2012 | 58 | 53.3 |
| 2013 | 97 | 54.8 |
| 2014 | 128 | 54.6 |
| 2015 | 119 | 53.4 |
| 2016 | 146 | 49.9 |
| 2017 | 141 | 49.9 |
| 2018 | 133 | 50.6 |
| 2019 | 120 | 50.8 |
| 2020 | 110 | 52.9 |

Achievement Level: Full

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 estimates essentially no change in water levels in the Chicot Aquifer, a positive change (rebound/recovery) of approximately 11 feet in the Evangeline Aquifer, and a positive change (rebound/recovery) of the Chicot and Evangeline Aquifers(combined) of approximately 6 feet which represents a reasonable assessment of water level change of the Gulf Coast Aquifer System within Victoria County.

The desired future condition for Victoria County is stated as follows: "Drawdown of the Gulf Coast Aquifer System shall not exceed an average of 5 feet in December 2069 from estimated year 2000 conditions."

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

Achievement Level: Full

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 Certificate Created in FY2019

1. Non-Grandfathered Well: [VCGCD - GMa - Pe - Well Registration Certificates - WRC - NW-001378 - 20190927](#)
2. Grandfathered Well: [VCGCD - GMa - Pe - Well Registration Certificates - WRC - GW-001002 - 20190924](#)

Last Well Registration Certificates Created in FY2020

1. Non-Grandfathered Well: [VCGCD - GMa - Pe - Well Registration Certificates - WRC - NW-001480 - 20200923](#)
2. Grandfathered Well: [VCGCD - GMa - Pe - Well Registration Certificates - WRC - GW-001017 - 20200824](#)

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

Evidence of Achievement:

Production permits issued during FY2020

1. [VCGCD - GMa - Pe - Production Permits - OPW-20191015-01 - Kyle Ranch, LLC - Executed](#)
2. [VCGCD - GMa - Pe - Production Permits - OPW-20191015-02 - LMFAO50 LP - Executed](#)
3. [VCGCD - GMa - Pe - Production Permits - OPW-20191018-02 - Victoria County Pct. 2 - Executed](#)
4. [VCGCD - GMa - Pe - Production Permits - OPW-20191018-03 - Victoria County Pct. 2 - Executed](#)
5. [VCGCD - GMa - Pe - Production Permits - OPW-20191018-04 - Victoria County Pct. 1 - Approved/Unexecuted](#)
6. [VCGCD - GMa - Pe - Production Permits - OPW-20191209-01 - LS Tavern - Executed](#)
7. [VCGCD - GMa - Pe - Production Permits - OPW-20200117-01 - USA Compression Partners, LLC - Executed](#)
8. [VCGCD - GMa - Pe - Production Permits - OPW-20200117-02 - Chris M. Boyd and Jacob Boyd - Executed](#)
9. [VCGCD - GMa - Pe - Production Permits - OPW-20200225-01 - Victoria R/E Venture, LP - Executed](#)
10. [VCGCD - GMa - Pe - Production Permits - OPW-20200317-01 - John H. Pitonyak - Executed](#)
11. [VCGCD - GMa - Pe - Production Permits - OPW-20200331-01 - DGOGVictoria072519 - Executed](#)
12. [VCGCD - GMa - Pe - Production Permits - OPW-20200624-01 - Chuck L. Bullock - Draft](#)
13. [VCGCD - GMa - Pe - Production Permits - OPW-20200717-01 - Murphy Testamentary Trusts - Approved/Unexecuted](#)
14. [VCGCD - GMa - Pe - Production Permits - OPW-20200721-02 - Doug Janssen - Draft](#)
15. [VCGCD - GMa - Pe - Production Permits - OPW-20200817-02 - DGOGVictoriaTX0340120, LLC - Approved/Unexecuted](#)
16. [VCGCD - GMa - Pe - Production Permits - OPW-20200824-03 - Clayton Maxwell - Approved/Unexecuted](#)
17. [VCGCD - GMa - Pe - Production Permits - OPW-20200909-02 - Matthew and Kathy Bates - Approved/Unexecuted](#)
18. [VCGCD - GMa - Pe - Production Permits - OPW-20200916-02 - Paul Larbie - Draft](#)
19. [VCGCD - GMa - Pe - Production Permits - OPW-20200918-01 - Roberto R. Castro - Executed](#)

20. [VCGCD - GMa - Pe - Production Permits - VPW-20200221-02 - Grimes Grass Limited Partnership - Executed](#)

Production Permit Renewals approved in FY2020

1. [VCGCD - GMa - Pe - Production Permit Renewal - OPWR-20191018-01 - OPW-20150515-07 - Faciliflow Services, LLC - Executed](#)
2. [VCGCD - GMa - Pe - Production Permit Renewal - OPWR-20200221-03 - OP-20110819-03 - Lauger Family Enterprises, LTD - Executed](#)

Production Permit Permitting Request Cases initiated in FY2020

1. [VCGCD - GMa - Pe - Permitting Request Cases - PRC-20191002-02 - ADW-20191001-02/AOW-20191001-03 - LMFAO50 LP - Complete](#)
2. [VCGCD - GMa - Pe - Permitting Request Cases - PRC-20191002-03 - ADW-20191001-06/AOW-20191001-07 - Kyle Ranch, LLC - Complete](#)
3. [VCGCD - GMa - Pe - Permitting Request Cases - PRC-20191115-02 - ARW-20191017-04/AOW-20191017-05 - LS Tavern, LLC - Complete](#)
4. [VCGCD - GMa - Pe - Permitting Request Cases - PRC-20191121-02 - AOW-20191101-01 - USA Compression Partners, LLC - Complete](#)
5. [VCGCD - GMa - Pe - Permitting Request Cases - PRC-20191125-01 - AOW-20190807-01/AWR-20190807-02 - Murphy Testamentary Trusts - Complete](#)
6. [VCGCD - GMa - Pe - Permitting Request Cases - PRC-20191204-01 - ARW-20191204-01/AOW-20191204-02 - C Boyd - Complete](#)
7. [VCGCD - GMa - Pe - Permitting Request Cases - PRC-20200128-01 - ARW-20200103-01/02/ AOW-20200103-03 - Promise Pointe, Inc. - Pending](#)
8. [VCGCD - GMa - Pe - Permitting Request Cases - PRC-20200211-02 - AOW-20200211-01 - Victoria R/E Venture, LP - Complete](#)
9. [VCGCD - GMa - Pe - Permitting Request Cases - PRC-20200226-02 - ADW-20200206-01/AOW-20200211-02 - John Pitonyak - Complete](#)
10. [VCGCD - GMa - Pe - Permitting Request Cases - PRC-20200318-02 - ADW-20190930-01/AOW-20191002-01 - DGOGVictoria072519, LLC - Complete](#)
11. [VCGCD - GMa - Pe - Permitting Request Cases - PRC-20200608-03 - ADW-20200604-03/ AOW-20200604-04 - Charles L. Bullock - Pending](#)
12. [VCGCD - GMa - Pe - Permitting Request Cases - PRC-20200708-02 - ADW-20200707-02/AOW-20200707-03 - Douq Janssen - Pending](#)
13. [VCGCD - GMa - Pe - Permitting Request Cases - PRC-20200727-01 - ADW-20200723-01/AOW-20200723-02 - DGOGVictoriaTx0340120, LLC - Complete](#)
14. [VCGCD - GMa - Pe - Permitting Request Cases - PRC-20200731-02 - ADW-20200730-01/AOW-20200730-02 - Clayton Maxwell - Complete](#)
15. [VCGCD - GMa - Pe - Permitting Request Cases - PRC-20200818-01 - ADW-20200818-01/AOW-20200818-02 - Matthew and Kathy Bates - Complete](#)
16. [VCGCD - GMa - Pe - Permitting Request Cases - PRC-20200824-01 - ARW-20200803-01/AOW-20200803-02- Roberto R. Castro - Complete](#)
17. [VCGCD - GMa - Pe - Permitting Request Cases - PRC-20200828-01 - ADW-20200828-01/ AOW-20200828-02 - Paul Larbie - Pending](#)
18. [VCGCD - GMa - Pe - Permitting Request Cases - PRC-20200924-01 - AOW-20200914-01 - Victoria County / Pct. 4 - Pending](#)
19. [VCGCD - GMa - Pe - Permitting Request Cases - PRC-20200924-02 - AOW-20200914-02 - Kenneth B. Marbach - Pending](#)
20. [VCGCD - GMa - Pe - Permitting Request Cases - PRC-20200924-03 - AOW-20200916-01 - Jolly's Welding - Pending](#)
21. [VCGCD - GMa - Pe - Permitting Request Cases - PRC-20200924-04 - AOW-20200916-02 - Five C Ranch and Minerals, LLC - Pending](#)
22. [VCGCD - GMa - Pe - Permitting Request Cases - PRC-20200924-05 - AOW-20200922-01 - Bloomington I.S.D. - Pending](#)
23. [VCGCD - GMa - Pe - Permitting Request Cases - PRC-20200924-06 - AOW-20200924-01 - Ray A. Young - Pending](#)
24. [VCGCD - GMa - Pe - Permitting Request Cases - PRC-20200928-01 - AOW-20200925-01 - Florco, Inc. - Pending](#)
25. [VCGCD - GMa - Pe - Permitting Request Cases - PRC-20191211-05 - AVW-20191010-01 - Grimes Grass Limited Partnership - Complete](#)

Production Permit Renewal Permitting Request Cases initiated in FY2020

1. [VCGCD - GMa - Pe - Permitting Request Cases - PRC-20191016-03 - ARPP-20190920-03 - Faciliflow Services, LLC - Complete](#)
2. [VCGCD - GMa - Pe - Permitting Request Cases - PRC-20200211-01 - ARPP-20200203-01 - Lauger Family Enterprises, LTD - Complete](#)

Production Permit Requests received in FY2020

1. [VCGCD - GMa - PR - Production Permit Requests - AOW-20191001-03 - LMFAO50 LP - Administratively Complete](#)
2. [VCGCD - GMa - PR - Production Permit Requests - AOW-20191001-07 - Kyle Ranch, LLC - Administratively Complete](#)
3. [VCGCD - GMa - PR - Production Permit Requests - AOW-20191002-01 - DGOGVictoria072519, LLC - Administratively Complete](#)
4. [VCGCD - GMa - PR - Production Permit Requests - AOW-20191017-05 - LS Tavern, LLC - Administratively Complete](#)
5. [VCGCD - GMa - PR - Production Permit Requests - AOW-20191101-01 - USA Compression Partners, LLC - Administratively Complete](#)
6. [VCGCD - GMa - PR - Production Permit Requests - AOW-20191204-02 - Chris M. and Jacob Boyd - Administratively Complete](#)
7. [VCGCD - GMa - PR - Production Permit Requests - AOW-20200103-03 - Promise Pointe, Inc. - Administratively Incomplete](#)
8. [VCGCD - GMa - PR - Production Permit Requests - AOW-20200211-01 - Victoria R/E Venture, LP - Administratively Complete](#)
9. [VCGCD - GMa - PR - Production Permit Requests - AOW-20200211-02 - John Pitonyak - Administratively Complete](#)
10. [VCGCD - GMa - PR - Production Permit Requests - AOW-20200604-04 - Charles L. Bullock - Administratively Complete](#)
11. [VCGCD - GMa - PR - Production Permit Requests - AOW-20200707-03 - Doug Janssen - Administratively Complete](#)
12. [VCGCD - GMa - PR - Production Permit Requests - AOW-20200723-02 - DGOGVictoriaTx0340120, LLC - Administratively Complete](#)
13. [VCGCD - GMa - PR - Production Permit Requests - AOW-20200730-02 - Clayton Maxwell - Administratively Complete](#)
14. [VCGCD - GMa - PR - Production Permit Requests - AOW-20200803-02 - Roberto R. Castro - Administratively Complete](#)
15. [VCGCD - GMa - PR - Production Permit Requests - AOW-20200818-02 - Matthew and Kathy Bates - Administratively Complete](#)
16. [VCGCD - GMa - PR - Production Permit Requests - AOW-20200828-02 - Paul Larbie - Administratively Complete](#)
17. [VCGCD - GMa - PR - Production Permit Requests - AOW-20200914-01 - Victoria County / Pct. 4 - Administratively Complete](#)
18. [VCGCD - GMa - PR - Production Permit Requests - AOW-20200914-02 - Kenneth B. Marbach - Administratively Complete](#)
19. [VCGCD - GMa - PR - Production Permit Requests - AOW-20200916-01 - Jolly's Welding - Administratively Complete](#)
20. [VCGCD - GMa - PR - Production Permit Requests - AOW-20200916-02 - Five C Ranch and Minerals, LLC - Administratively Complete](#)
21. [VCGCD - GMa - PR - Production Permit Requests - AOW-20200922-01 - Bloomington I.S.D. - Administratively Complete](#)
22. [VCGCD - GMa - PR - Production Permit Requests - AOW-20200924-01 - Ray A. Young - Administratively Complete](#)
23. [VCGCD - GMa - PR - Production Permit Requests - AOW-20200925-01 - Florco, Inc. - Administratively Complete](#)
24. [VCGCD - GMa - PR - Production Permit Requests - AVW-20191010-01 - Grimes Grass Limited Partnership - Administratively Complete](#)

Production Permit Renewal Requests received in FY2020

1. [VCGCD - GMa - PR - Production Permit Renewal Requests - ARPP-20200203-01 - OP-20110819-03 - Lauger Family Enterprises, LTD - Administratively Complete](#)

Summary Reports on Permitted Production:
VCGCD - Production Permit Areas - 20201229.xlsx



VCGCD - Summary of Production Permit Areas - 20201229.pdf



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:

Well Inspection Forms created during FY2020

1. [VCGCD - GP - Insp - Well Inspections - WIF-20191003-01 - NW-000779](#)
2. [VCGCD - GP - Insp - Well Inspections - WIF-20191003-02 - NW-000426](#)
3. [VCGCD - GP - Insp - Well Inspections - WIF-20191003-03 - GW-000366](#)
4. [VCGCD - GP - Insp - Well Inspections - WIF-20191007-01 - GW-001005 - Stephen J. Motal](#)
5. [VCGCD - GP - Insp - Well Inspections - WIF-20191007-02 - GW-001006 - Stephen J. Motal](#)
6. [VCGCD - GP - Insp - Well Inspections - WIF-20191007-03 - GW-001007 - Stephen J. Motal](#)
7. [VCGCD - GP - Insp - Well Inspections - WIF-20191008-01 - GW-001004 - Kenneth Fikac](#)
8. [VCGCD - GP - Insp - Well Inspections - WIF-20191118-01 - GW-001004 - Kenneth Fikac](#)
9. [VCGCD - GP - Insp - Well Inspections - WIF-20191217-01 - GW-001011 - Daniel Nelson](#)
10. [VCGCD - GP - Insp - Well Inspections - WIF-20191227-01 - GW-000134](#)
11. [VCGCD - GP - Insp - Well Inspections - WIF-20200429-01 - NW-000779](#)
12. [VCGCD - GP - Insp - Well Inspections - WIF-20200429-02 - NW-000426](#)
13. [VCGCD - GP - Insp - Well Inspections - WIF-20200429-03 - GW-000366](#)
14. [VCGCD - GP - Insp - Well Inspections - WIF-20200527-01 - GW-001010](#)
15. [VCGCD - GP - Insp - Well Inspections - WIF-20200527-02 - GW-001016](#)
16. [VCGCD - GP - Insp - Well Inspections - WIF-20200806-01 - GW-000510](#)
17. [VCGCD - GP - Insp - Well Inspections - WIF-20200806-02 - GW-000339](#)
18. [VCGCD - GP - Insp - Well Inspections - WIF-20200806-03 - GW-000609](#)
19. [VCGCD - GP - Insp - Well Inspections - WIF-20200806-04 - GW-000608](#)
20. [VCGCD - GP - Insp - Well Inspections - WIF-20200806-05 - GW-000611](#)
21. [VCGCD - GP - Insp - Well Inspections - WIF-20200806-06 - NW-000779](#)
22. [VCGCD - GP - Insp - Well Inspections - WIF-20200806-07 - GW-000492](#)
23. [VCGCD - GP - Insp - Well Inspections - WIF-20200806-08 - GW-000085](#)
24. [VCGCD - GP - Insp - Well Inspections - WIF-20200806-09 - NW-000426](#)
25. [VCGCD - GP - Insp - Well Inspections - WIF-20200806-10 - NW-000165](#)

Well Inspection Forms indicating corrective action was needed to prevent waste or potential contamination of groundwater

1. none.

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:

1. November 7, 2019 - Region L Meeting: http://www.regionltexas.org/wp-content/uploads/2020/01/Agenda-Packet_01232020-1.pdf
2. January 23, 2020 - Region L Meeting: <http://www.regionltexas.org/current-planning-effort/5th-cycle-2021/2020-rwpg-meeting-materials/>
3. February 20, 2020 - Region L Meeting: <http://www.regionltexas.org/current-planning-effort/5th-cycle-2021/2020-rwpg-meeting-materials/>
4. July 30, 2020 - Region L Meeting: <http://www.regionltexas.org/current-planning-effort/5th-cycle-2021/2020-rwpg-meeting-materials/>
5. September 3, 2020 - Region L Meeting: <http://www.regionltexas.org/current-planning-effort/5th-cycle-2021/2020-rwpg-meeting-materials/>

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:

Water Quality Field Measurements collected during FY2020

1. [VCGCD - GMo - Mea - Water Quality Field Measurement - WQFM-20191007:0220 - GW-001005 - Stephen J. Motal](#)
2. [VCGCD - GMo - Mea - Water Quality Field Measurement - WQFM-20191007:0255 - GW-001006 - Stephen Motal](#)
3. [VCGCD - GMo - Mea - Water Quality Field Measurement - WQFM-20191007:0336 - GW-001007 - Stephen J. Motal](#)
4. [VCGCD - GMo - Mea - Water Quality Field Measurement - WQFM-20191008:0156 - GW-001004 - Kenneth Fikac](#)
5. [VCGCD - GMo - Mea - Water Quality Field Measurement - WQFM-20191118:1111 - GW-001004 - Kenneth Fikac](#)
6. [VCGCD - GMo - Mea - Water Quality Field Measurement - WQFM-20191217:0205 - GW-001011 - Daniel Nelson](#)
7. [VCGCD - GMo - Mea - Water Quality Field Measurement - WQFM-20200127.1038 - GW-000680](#)
8. [VCGCD - GMo - Mea - Water Quality Field Measurement - WQFM-20200424.0125 - NW-000256](#)
9. [VCGCD - GMo - Mea - Water Quality Field Measurement - WQFM-20200424.0228 - GW-000786](#)
10. [VCGCD - GMo - Mea - Water Quality Field Measurement - WQFM-20200527.1007 - GW-001016](#)

Water Quality Lab Reports received during FY2020

1. [VCGCD - GMo - Mea - Water Quality Lab Report - WQLR-20191007:0230 - GW-001005 - Stephen J. Motal](#)
2. [VCGCD - GMo - Mea - Water Quality Lab Report - WQLR-20191007:0400 - GW-001007 - Stephen J. Motal](#)
3. [VCGCD - GMo - Mea - Water Quality Lab Report - WQLR-20191217.0230 - GW-001011 - Daniel Nelson](#)
4. [VCGCD - GMo - Mea - Water Quality Lab Report - WQLR-20191230:0847 - GW-000134](#)
5. [VCGCD - GMo - Mea - Water Quality Lab Report - WQLR-20200127.1030](#)
6. [VCGCD - GMo - Mea - Water Quality Lab Report - WQLR-20200424.0144](#)
7. [VCGCD - GMo - Mea - Water Quality Lab Report - WQLR-20200424.0230](#)

Water Quality Lab Measurements collected during FY2020

1. [VCGCD - GMo - Mea - Water Quality Lab Measurement - WQLM-20191007:0255 - GW-001005 - Stephen J. Motal](#)
2. [VCGCD - GMo - Mea - Water Quality Lab Measurement - WQLM-20191007:0336 - GW-001007 - Stephen J. Motal](#)
3. [VCGCD - GMo - Mea - Water Quality Lab Measurement - WQLM-20191217.0230 - GW-001011 - Daniel Nelson](#)

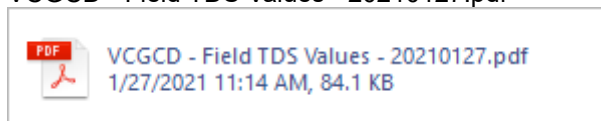
4. [VCGCD - GMo - Mea - Water Quality Lab Measurement - WQLM-20191230:0847 - GW-000134](#)
5. [VCGCD - GMo - Mea - Water Quality Lab Measurement - WQLM-20200127.1030-Coordinate - 28°50'37.8" -97°01'21.6"](#)
6. [VCGCD - GMo - Mea - Water Quality Lab Measurement - WQLM-20200127.1105 - GW-000680](#)
7. [VCGCD - GMo - Mea - Water Quality Lab Measurement - WQLM-20200127.1112 - Coordinate - 28°50'43.92" -97°01'23.76"](#)
8. [VCGCD - GMo - Mea - Water Quality Lab Measurement - WQLM-20200424.0144 - NW-000256](#)
9. [VCGCD - GMo - Mea - Water Quality Lab Measurement - WQLM-20200424.0230 - GW-000786](#)

Summary Reports on Water Quality:

VCGCD - Field TDS Values - 20210127.xlsx



VCGCD - Field TDS Values - 20210127.pdf



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:

Meeting Minutes for meetings held during FY2020 in which drought conditions were considered

1. [VCGCD - Adm - MM - Meeting Minutes - 20191018 - Board of Directors](#)
2. [VCGCD - Adm - MM - Meeting Minutes - 20191115 - Board of Directors](#)
3. [VCGCD - Adm - MM - Meeting Minutes - 20200117 - Board of Directors](#)
4. [VCGCD - Adm - MM - Meeting Minutes - 20200221 - Board of Directors](#)
5. [VCGCD - Adm - MM - Meeting Minutes - 20200417 - Board of Directors](#)

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:

Participation Acknowledgment Forms and related materials for conservation-related events during FY2020

1. [VCGCD - GC - POE - Participation Acknowledgement Form - 2019 South Texas Farm and Ranch Show](#)
2. [VCGCD - GC - POE - Educational Materials - South Texas Farm and Ranch Show - 2019](#)

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:

Water Level Measurements collected during FY2020

1. [VCGCD - GMo - Mea - Water Level - WLM-20191003-01 - NW-000779](#)
2. [VCGCD - GMo - Mea - Water Level - WLM-20191003-02 - NW-000426](#)

3. [VCGCD - GMo - Mea - Water Level - WLM-20191003-03 - GW-000366](#)
4. [VCGCD - GMo - Mea - Water Level - WLM-20200204-01 - GW-000339](#)
5. [VCGCD - GMo - Mea - Water Level - WLM-20200204-02 - GW-000021](#)
6. [VCGCD - GMo - Mea - Water Level - WLM-20200204-03 - GW-000366](#)
7. [VCGCD - GMo - Mea - Water Level - WLM-20200204-04 - GW-000562](#)
8. [VCGCD - GMo - Mea - Water Level - WLM-20200204-05 - GW-000735](#)
9. [VCGCD - GMo - Mea - Water Level - WLM-20200204-06 - GW-000614](#)
10. [VCGCD - GMo - Mea - Water Level - WLM-20200204-07 - GW-000377](#)
11. [VCGCD - GMo - Mea - Water Level - WLM-20200204-08 - GW-000150](#)
12. [VCGCD - GMo - Mea - Water Level - WLM-20200204-09 - GW-000989](#)
13. [VCGCD - GMo - Mea - Water Level - WLM-20200204-10 - GW-000181](#)
14. [VCGCD - GMo - Mea - Water Level - WLM-20200204-11 - GW-000227](#)
15. [VCGCD - GMo - Mea - Water Level - WLM-20200204-12 - GW-000192](#)
16. [VCGCD - GMo - Mea - Water Level - WLM-20200204-13 - GW-000492](#)
17. [VCGCD - GMo - Mea - Water Level - WLM-20200204-14 - GW-000583](#)
18. [VCGCD - GMo - Mea - Water Level - WLM-20200204-15 - NW-000779](#)
19. [VCGCD - GMo - Mea - Water Level - WLM-20200204-16 - GW-000611](#)
20. [VCGCD - GMo - Mea - Water Level - WLM-20200204-17 - GW-000609](#)
21. [VCGCD - GMo - Mea - Water Level - WLM-20200204-18 - GW-000608](#)
22. [VCGCD - GMo - Mea - Water Level - WLM-20200204-19 - GW-000687](#)
23. [VCGCD - GMo - Mea - Water Level - WLM-20200205-01 - GW-000159](#)
24. [VCGCD - GMo - Mea - Water Level - WLM-20200205-02 - NW-000016](#)
25. [VCGCD - GMo - Mea - Water Level - WLM-20200205-03 - GW-000158](#)
26. [VCGCD - GMo - Mea - Water Level - WLM-20200205-04 - NW-000426](#)
27. [VCGCD - GMo - Mea - Water Level - WLM-20200205-05 - NW-000165](#)
28. [VCGCD - GMo - Mea - Water Level - WLM-20200205-06 - GW-000552](#)
29. [VCGCD - GMo - Mea - Water Level - WLM-20200205-07 - GW-000271](#)
30. [VCGCD - GMo - Mea - Water Level - WLM-20200205-08 - GW-000494](#)
31. [VCGCD - GMo - Mea - Water Level - WLM-20200205-09 - GW-000085](#)
32. [VCGCD - GMo - Mea - Water Level - WLM-20200205-10 - GW-000544](#)
33. [VCGCD - GMo - Mea - Water Level - WLM-20200205-11 - GW-000617](#)
34. [VCGCD - GMo - Mea - Water Level - WLM-20200205-12 - GW-000589](#)
35. [VCGCD - GMo - Mea - Water Level - WLM-20200205-13 - GW-000606](#)
36. [VCGCD - GMo - Mea - Water Level - WLM-20200205-14 - GW-000607](#)
37. [VCGCD - GMo - Mea - Water Level - WLM-20200205-15 - GW-000980](#)
38. [VCGCD - GMo - Mea - Water Level - WLM-20200206-01 - GW-000510](#)
39. [VCGCD - GMo - Mea - Water Level - WLM-20200206-02 - GW-000138](#)
40. [VCGCD - GMo - Mea - Water Level - WLM-20200206-03 - NW-000333](#)
41. [VCGCD - GMo - Mea - Water Level - WLM-20200206-04 - GW-000587](#)
42. [VCGCD - GMo - Mea - Water Level - WLM-20200206-05 - GW-000577](#)
43. [VCGCD - GMo - Mea - Water Level - WLM-20200206-06 - GW-000578](#)
44. [VCGCD - GMo - Mea - Water Level - WLM-20200206-07 - GW-000588](#)
45. [VCGCD - GMo - Mea - Water Level - WLM-20200206-08 - GW-000590](#)
46. [VCGCD - GMo - Mea - Water Level - WLM-20200206-09 - GW-000682](#)
47. [VCGCD - GMo - Mea - Water Level - WLM-20200206-10 - GW-000591](#)
48. [VCGCD - GMo - Mea - Water Level - WLM-20200206-11 - GW-000101](#)
49. [VCGCD - GMo - Mea - Water Level - WLM-20200206-12 - GW-000489](#)
50. [VCGCD - GMo - Mea - Water Level - WLM-20200206-13 - GW-000595](#)
51. [VCGCD - GMo - Mea - Water Level - WLM-20200206-14 - NW-000122](#)
52. [VCGCD - GMo - Mea - Water Level - WLM-20200211-01 - GW-000767](#)
53. [VCGCD - GMo - Mea - Water Level - WLM-20200211-02 - GW-000311](#)
54. [VCGCD - GMo - Mea - Water Level - WLM-20200213-01 - GW-001016](#)
55. [VCGCD - GMo - Mea - Water Level - WLM-20200304-01 - PVGCD - Dutton Lane](#)
56. [VCGCD - GMo - Mea - Water Level - WLM-20200304-02 - PVGCD - Dutton Lane](#)
57. [VCGCD - GMo - Mea - Water Level - WLM-20200304-03 - PVGCD - Clemence Weber](#)
58. [VCGCD - GMo - Mea - Water Level - WLM-20200304-04 - PVGCD - BLTJ Farms](#)
59. [VCGCD - GMo - Mea - Water Level - WLM-20200304-05 - PVGCD - Will Gips](#)
60. [VCGCD - GMo - Mea - Water Level - WLM-20200304-06 - PVGCD - Fred Hughes](#)
61. [VCGCD - GMo - Mea - Water Level - WLM-20200304-07 - PVGCD - William Menn](#)
62. [VCGCD - GMo - Mea - Water Level - WLM-20200304-08 - PVGCD - James P Menn](#)
63. [VCGCD - GMo - Mea - Water Level - WLM-20200304-09 - PVGCD - Arden Seiler](#)
64. [VCGCD - GMo - Mea - Water Level - WLM-20200304-10 - PVGCD - CJ Bolting](#)
65. [VCGCD - GMo - Mea - Water Level - WLM-20200304-11 - PVGCD - Janis Ford](#)
66. [VCGCD - GMo - Mea - Water Level - WLM-20200304-12 - PVGCD - Gobel](#)
67. [VCGCD - GMo - Mea - Water Level - WLM-20200304-13 - PVGCD - Bob Davis](#)

68. [VCGCD - GMo - Mea - Water Level - WLM-20200304-14 - PVGCD - Bobby Caruthers](#)
69. [VCGCD - GMo - Mea - Water Level - WLM-20200304-15 - PVGCD - James Pohl](#)
70. [VCGCD - GMo - Mea - Water Level - WLM-20200305-01 - PVGCD - Howard Burks](#)
71. [VCGCD - GMo - Mea - Water Level - WLM-20200305-02 - PVGCD - Sidney Kaiser](#)
72. [VCGCD - GMo - Mea - Water Level - WLM-20200305-03 - PVGCD - Dennis Havlik](#)
73. [VCGCD - GMo - Mea - Water Level - WLM-20200305-04 - PVGCD - Larry Justiss](#)
74. [VCGCD - GMo - Mea - Water Level - WLM-20200305-05 - PVGCD - Jimmy Mudd](#)
75. [VCGCD - GMo - Mea - Water Level - WLM-20200305-06 - PVGCD - Michael Reamy](#)
76. [VCGCD - GMo - Mea - Water Level - WLM-20200305-07 - PVGCD - Butch Tolbert](#)
77. [VCGCD - GMo - Mea - Water Level - WLM-20200305-08 - PVGCD - Gus Leck](#)
78. [VCGCD - GMo - Mea - Water Level - WLM-20200305-09 - PVGCD - Margaret Leck](#)
79. [VCGCD - GMo - Mea - Water Level - WLM-20200305-10 - PVGCD - Ruth Bettge](#)
80. [VCGCD - GMo - Mea - Water Level - WLM-20200305-11 - PVGCD - Richard Bettge](#)
81. [VCGCD - GMo - Mea - Water Level - WLM-20200305-12 - PVGCD - Mark Jahn](#)
82. [VCGCD - GMo - Mea - Water Level - WLM-20200429-01 - NW-000779](#)
83. [VCGCD - GMo - Mea - Water Level - WLM-20200429-02 - NW-000426](#)
84. [VCGCD - GMo - Mea - Water Level - WLM-20200429-03 - GW-000366](#)
85. [VCGCD - GMo - Mea - Water Level - WLM-20200527-01 - GW-001010](#)
86. [VCGCD - GMo - Mea - Water Level - WLM-20200527-02 - GW-001016](#)
87. [VCGCD - GMo - Mea - Water Level - WLM-20200806-01 - GW-000510](#)
88. [VCGCD - GMo - Mea - Water Level - WLM-20200806-02 - GW-000339](#)
89. [VCGCD - GMo - Mea - Water Level - WLM-20200806-03 - GW-000609](#)
90. [VCGCD - GMo - Mea - Water Level - WLM-20200806-04 - GW-000608](#)
91. [VCGCD - GMo - Mea - Water Level - WLM-20200806-05 - GW-000611](#)
92. [VCGCD - GMo - Mea - Water Level - WLM-20200806-06 - GW-000583](#)
93. [VCGCD - GMo - Mea - Water Level - WLM-20200806-07 - NW-000779](#)
94. [VCGCD - GMo - Mea - Water Level - WLM-20200806-08 - GW-000492](#)
95. [VCGCD - GMo - Mea - Water Level - WLM-20200806-09 - GW-000085](#)
96. [VCGCD - GMo - Mea - Water Level - WLM-20200806-10 - NW-000426](#)
97. [VCGCD - GMo - Mea - Water Level - WLM-20200806-11 - NW-000165](#)
98. [VCGCD - GMo - Mea - Water Level - WLM-20200806-12 - GW-000552](#)
99. [VCGCD - GMo - Mea - Water Level - WLM-20200806-13 - GW-000687](#)
100. [VCGCD - GMo - Mea - Water Level - WLM-20200806-14 - GW-000587](#)
101. [VCGCD - GMo - Mea - Water Level - WLM-20200806-15 - GW-000577](#)
102. [VCGCD - GMo - Mea - Water Level - WLM-20200806-16 - GW-000578](#)
103. [VCGCD - GMo - Mea - Water Level - WLM-20200806-17 - GW-000589](#)
104. [VCGCD - GMo - Mea - Water Level - WLM-20200807-01 - GW-000377](#)
105. [VCGCD - GMo - Mea - Water Level - WLM-20200807-02 - GW-000989](#)
106. [VCGCD - GMo - Mea - Water Level - WLM-20200807-03 - GW-000158](#)
107. [VCGCD - GMo - Mea - Water Level - WLM-20200807-04 - GW-000159](#)
108. [VCGCD - GMo - Mea - Water Level - WLM-20200807-05 - NW-000016](#)
109. [VCGCD - GMo - Mea - Water Level - WLM-20200807-06 - GW-000588](#)
110. [VCGCD - GMo - Mea - Water Level - WLM-20200807-07 - GW-000599](#)
111. [VCGCD - GMo - Mea - Water Level - WLM-20200807-08 - GW-000271](#)
112. [VCGCD - GMo - Mea - Water Level - WLM-20200807-09 - GW-000494](#)
113. [VCGCD - GMo - Mea - Water Level - WLM-20200807-10 - GW-001016](#)
114. [VCGCD - GMo - Mea - Water Level - WLM-20200807-11 - GW-000607](#)
115. [VCGCD - GMo - Mea - Water Level - WLM-20200807-12 - GW-000021](#)
116. [VCGCD - GMo - Mea - Water Level - WLM-20200810-01 - GW-000562](#)
117. [VCGCD - GMo - Mea - Water Level - WLM-20200810-02 - GW-000614](#)
118. [VCGCD - GMo - Mea - Water Level - WLM-20200810-03 - GW-000735](#)
119. [VCGCD - GMo - Mea - Water Level - WLM-20200810-04 - GW-000366](#)
120. [VCGCD - GMo - Mea - Water Level - WLM-20200810-05 - GW-000980](#)
121. [VCGCD - GMo - Mea - Water Level - WLM-20200810-06 - GW-000590](#)
122. [VCGCD - GMo - Mea - Water Level - WLM-20200810-07 - GW-000591](#)
123. [VCGCD - GMo - Mea - Water Level - WLM-20200810-08 - GW-000682](#)
124. [VCGCD - GMo - Mea - Water Level - WLM-20200810-09 - GW-000150](#)
125. [VCGCD - GMo - Mea - Water Level - WLM-20200810-10 - GW-000101](#)
126. [VCGCD - GMo - Mea - Water Level - WLM-20200810-11 - GW-000102](#)
127. [VCGCD - GMo - Mea - Water Level - WLM-20200810-12 - GW-000489](#)
128. [VCGCD - GMo - Mea - Water Level - WLM-20200810-13 - GW-000227](#)
129. [VCGCD - GMo - Mea - Water Level - WLM-20200810-14 - GW-000181](#)
130. [VCGCD - GMo - Mea - Water Level - WLM-20200810-15 - GW-000192](#)
131. [VCGCD - GMo - Mea - Water Level - WLM-20200811-01 - GW-000767](#)
132. [VCGCD - GMo - Mea - Water Level - WLM-20200811-02 - GW-000311](#)

133. [VCGCD - GMo - Mea - Water Level - WLM-20200811-03 - GW-000595](#)
134. [VCGCD - GMo - Mea - Water Level - WLM-20200811-04 - NW-000122](#)
135. [VCGCD - GMo - Mea - Water Level - WLM-20200811-05 - GW-000603](#)
136. [VCGCD - GMo - Mea - Water Level - WLM-20200811-06 - GW-000602](#)
137. [VCGCD - GMo - Mea - Water Level - WLM-20200811-07 - GW-000601](#)
138. [VCGCD - GMo - Mea - Water Level - WLM-20200811-08 - NW-000333](#)
139. [VCGCD - GMo - Mea - Water Level - WLM-20200811-09 - GW-000138](#)
140. [VCGCD - GMo - Mea - Water Level - WLM-20200903-01 - PVGCD - Dutton Lane](#)
141. [VCGCD - GMo - Mea - Water Level - WLM-20200903-02 - PVGCD - Dutton Lane](#)
142. [VCGCD - GMo - Mea - Water Level - WLM-20200903-03 - PVGCD - Clemence Weber](#)
143. [VCGCD - GMo - Mea - Water Level - WLM-20200903-04 - PVGCD - Natho Hill Top Farms](#)
144. [VCGCD - GMo - Mea - Water Level - WLM-20200903-05 - PVGCD - Will Gips](#)
145. [VCGCD - GMo - Mea - Water Level - WLM-20200903-06 - PVGCD - James P Menn](#)
146. [VCGCD - GMo - Mea - Water Level - WLM-20200903-07 - PVGCD - William Menn](#)
147. [VCGCD - GMo - Mea - Water Level - WLM-20200903-08 - PVGCD - Janis Ford](#)
148. [VCGCD - GMo - Mea - Water Level - WLM-20200903-09 - PVGCD - CJ Bolting](#)
149. [VCGCD - GMo - Mea - Water Level - WLM-20200903-10 - PVGCD - Arden Seiler](#)
150. [VCGCD - GMo - Mea - Water Level - WLM-20200904-01 - PVGCD - Johnny Goebel](#)
151. [VCGCD - GMo - Mea - Water Level - WLM-20200904-02 - PVGCD - Bob Davis](#)
152. [VCGCD - GMo - Mea - Water Level - WLM-20200904-03 - PVGCD - James Pohl](#)
153. [VCGCD - GMo - Mea - Water Level - WLM-20200904-04 - PVGCD - Gervis Blaschke](#)
154. [VCGCD - GMo - Mea - Water Level - WLM-20200904-05 - PVGCD - Bobby Caruthers](#)
155. [VCGCD - GMo - Mea - Water Level - WLM-20200904-06 - PVGCD - Ruth Bettge](#)
156. [VCGCD - GMo - Mea - Water Level - WLM-20200904-07 - PVGCD - Richard Bettge](#)
157. [VCGCD - GMo - Mea - Water Level - WLM-20200904-08 - PVGCD - Jimmy Mudd](#)
158. [VCGCD - GMo - Mea - Water Level - WLM-20200904-09 - PVGCD - Jimmy Mudd-02](#)
159. [VCGCD - GMo - Mea - Water Level - WLM-20200904-10 - PVGCD - Larry Justiss](#)
160. [VCGCD - GMo - Mea - Water Level - WLM-20200908-01 - PVGCD - Sidney Kaiser](#)
161. [VCGCD - GMo - Mea - Water Level - WLM-20200908-02 - PVGCD - Dennis Havlik](#)
162. [VCGCD - GMo - Mea - Water Level - WLM-20200908-03 - PVGCD - Michael Reamy](#)
163. [VCGCD - GMo - Mea - Water Level - WLM-20200908-04 - PVGCD - Mark Jahn](#)
164. [VCGCD - GMo - Mea - Water Level - WLM-20200908-05 - PVGCD - Butch Tolbert](#)
165. [VCGCD - GMo - Mea - Water Level - WLM-20200908-06 - PVGCD - Gus Leck](#)
166. [VCGCD - GMo - Mea - Water Level - WLM-20200908-07 - PVGCD - Margaret Leck](#)

Summary Reports on Water Levels:

VCGCD - Field WLM Values - 20210127.xlsx



VCGCD - Field WLM Values - 20210127.pdf

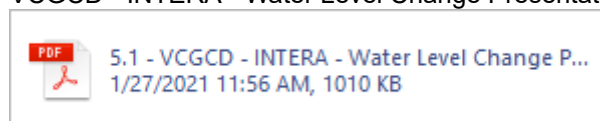


Objective G7O2: Analyze water level monitoring information to evaluate water level trends and determine the degree to which the DISTRICT is complying with the desired future conditions of Gulf Coast Aquifer in Victoria County.

Evidence of Achievement:

1. [VCGCD - Adm - MM - Matter For Consideration - MFC-20210115-5.1 - Report regarding Groundwater Level Analysis](#)

VCGCD - INTERA - Water Level Change Presentation - 20210114.pdf



1. [VCGCD - Adm - MM - Meeting Minutes - 20191018 - Board of Directors](#)
2. [VCGCD - Adm - MM - Meeting Minutes - 20191115 - Board of Directors](#)
3. [VCGCD - Adm - MM - Meeting Minutes - 20200117 - Board of Directors](#)
4. [VCGCD - Adm - MM - Meeting Minutes - 20200221 - Board of Directors](#)
5. [VCGCD - Adm - MM - Meeting Minutes - 20200417 - Board of Directors](#)
6. [VCGCD - Adm - MM - Meeting Minutes - 20200717 - Board of Directors](#)
7. [VCGCD - Adm - MM - Meeting Minutes - 20200821 - Board of Directors](#)
8. [VCGCD - Adm - MM - Meeting Minutes - 20200918 - Board of Directors](#)

| Permit Status | (Multiple Items) |
|---|----------------------------|
| Row Labels | Sum of Production Rate AFY |
| Aggregate Production Permit | 35765.147 |
| Victoria County GCD - AHUVP-20130517-01 | 2504.000 |
| Victoria County GCD - AHUVPWF-20150821-02 | 681.910 |
| Victoria County GCD - AHUVPWF-20190426-04 | 163.480 |
| Victoria County GCD - AHUVPWS-20140516-01 | 5567.000 |
| Victoria County GCD - ANUPPW-20140718-01 | 1.275 |
| Victoria County GCD - AP-20090828-16 | 11776.340 |
| Victoria County GCD - AP-20101119-03 | 403.770 |
| Victoria County GCD - AP-20110218-06 | 292.000 |
| Victoria County GCD - AP-20110415-06 | 3894.000 |
| Victoria County GCD - AP-20110715-07 | 46.970 |
| Victoria County GCD - AP-20120217-04 | 3266.262 |
| Victoria County GCD - AP-20120420-09 | 876.440 |
| Victoria County GCD - AP-20120615-01 | 4.700 |
| Victoria County GCD - AP-20131018-13 | 5835.000 |
| Victoria County GCD - AP-20140718-10 | 452.000 |
| Non-Aggregate Production Permit | 49764.710 |
| Victoria County GCD - OP-20090619-01 | 1.310 |
| Victoria County GCD - OP-20090828-01 | 88.700 |
| Victoria County GCD - OP-20091016-01 | 40.590 |
| Victoria County GCD - OP-20101119-01 | 15.000 |
| Victoria County GCD - OP-20110415-14 | 2.500 |
| Victoria County GCD - OP-20110610-02 | 1.899 |
| Victoria County GCD - OP-20110715-01 | 31.930 |
| Victoria County GCD - OP-20110819-03 | 2.500 |
| Victoria County GCD - OP-20110819-04 | 10.500 |
| Victoria County GCD - OP-20111021-04 | 8.000 |
| Victoria County GCD - OP-20111118-02 | 1.800 |
| Victoria County GCD - OP-20120217-05 | 7.000 |
| Victoria County GCD - OP-20120518-05 | 2.000 |
| Victoria County GCD - OP-20120615-06 | 4.980 |
| Victoria County GCD - OP-20120615-09 | 1.250 |
| Victoria County GCD - OP-20120615-11 | 2.480 |
| Victoria County GCD - OP-20120720-02 | 2.950 |
| Victoria County GCD - OP-20120921-07 | 30.750 |
| Victoria County GCD - OP-20120921-08 | 9.290 |
| Victoria County GCD - OP-20121116-03 | 2.500 |
| Victoria County GCD - OP-20121116-05 | 1.000 |
| Victoria County GCD - OP-20121116-07 | 2.000 |
| Victoria County GCD - OP-20121221-04 | 11.190 |
| Victoria County GCD - OP-20121221-05 | 6.720 |
| Victoria County GCD - OP-20130621-07 | 6.850 |
| Victoria County GCD - OP-20130621-08 | 115.000 |
| Victoria County GCD - OP-20130920-02 | 2.000 |

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| Victoria County GCD - OP-20131018-04 | 2.800 |
| Victoria County GCD - OP-20131018-06 | 10.000 |
| Victoria County GCD - OP-20131018-09 | 1.000 |
| Victoria County GCD - OP-20131115-03 | 161.300 |
| Victoria County GCD - OP-20131220-04 | 2.400 |
| Victoria County GCD - OP-20140718-08 | 91.380 |
| Victoria County GCD - OP-20140718-09 | 91.380 |
| Victoria County GCD - OPW-20130719-02 | 1.300 |
| Victoria County GCD - OPW-20131220-02 | 1.800 |
| Victoria County GCD - OPW-20140321-01 | 3.950 |
| Victoria County GCD - OPW-20140321-02 | 225.000 |
| Victoria County GCD - OPW-20140411-02 | 55.500 |
| Victoria County GCD - OPW-20140516-01 | 0.540 |
| Victoria County GCD - OPW-20140516-04 | 40.000 |
| Victoria County GCD - OPW-20140620-02 | 2.200 |
| Victoria County GCD - OPW-20140620-03 | 2.500 |
| Victoria County GCD - OPW-20140620-05 | 27.250 |
| Victoria County GCD - OPW-20140718-07 | 2.000 |
| Victoria County GCD - OPW-20140905-01 | 163.000 |
| Victoria County GCD - OPW-20140905-02 | 1.500 |
| Victoria County GCD - OPW-20140919-02 | 1.950 |
| Victoria County GCD - OPW-20140919-03 | 5.150 |
| Victoria County GCD - OPW-20140919-05 | 4.500 |
| Victoria County GCD - OPW-20141017-02 | 1.920 |
| Victoria County GCD - OPW-20141017-06 | 1.000 |
| Victoria County GCD - OPW-20141017-08 | 145.820 |
| Victoria County GCD - OPW-20141121-01 | 4.596 |
| Victoria County GCD - OPW-20141121-02 | 50.000 |
| Victoria County GCD - OPW-20141121-03 | 50.000 |
| Victoria County GCD - OPW-20150116-01 | 1.250 |
| Victoria County GCD - OPW-20150116-02 | 3.250 |
| Victoria County GCD - OPW-20150116-03 | 1.148 |
| Victoria County GCD - OPW-20150116-04 | 1.680 |
| Victoria County GCD - OPW-20150220-02 | 44.720 |
| Victoria County GCD - OPW-20150220-04 | 1.100 |
| Victoria County GCD - OPW-20150220-05 | 2.500 |
| Victoria County GCD - OPW-20150417-04 | 2.200 |
| Victoria County GCD - OPW-20150515-01 | 3.000 |
| Victoria County GCD - OPW-20150515-05 | 2.500 |
| Victoria County GCD - OPW-20150515-07 | 2.500 |
| Victoria County GCD - OPW-20150515-10 | 5.000 |
| Victoria County GCD - OPW-20150619-02 | 0.600 |
| Victoria County GCD - OPW-20150619-03 | 31.300 |
| Victoria County GCD - OPW-20150717-03 | 0.759 |
| Victoria County GCD - OPW-20150918-02 | 5.930 |
| Victoria County GCD - OPW-20151120-02 | 17.000 |
| Victoria County GCD - OPW-20151218-02 | 363.000 |

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| Victoria County GCD - OPW-20160219-04 | 3.000 |
| Victoria County GCD - OPW-20160318-04 | 4.800 |
| Victoria County GCD - OPW-20160318-06 | 189.190 |
| Victoria County GCD - OPW-20160318-08 | 0.740 |
| Victoria County GCD - OPW-20160708-02 | 1.500 |
| Victoria County GCD - OPW-20160809-02 | 1.140 |
| Victoria County GCD - OPW-20160916-01 | 30.000 |
| Victoria County GCD - OPW-20160916-03 | 8.000 |
| Victoria County GCD - OPW-20160916-04 | 7.000 |
| Victoria County GCD - OPW-20160930-01 | 1.000 |
| Victoria County GCD - OPW-20161021-01 | 1.000 |
| Victoria County GCD - OPW-20161216-02 | 1.010 |
| Victoria County GCD - OPW-20161216-04 | 2.500 |
| Victoria County GCD - OPW-20170221-02 | 1.300 |
| Victoria County GCD - OPW-20170421-01 | 5.000 |
| Victoria County GCD - OPW-20180223-02 | 0.735 |
| Victoria County GCD - OPW-20180223-04 | 7.500 |
| Victoria County GCD - OPW-20180223-05 | 7.500 |
| Victoria County GCD - OPW-20180615-02 | 8.250 |
| Victoria County GCD - OPW-20180615-03 | 2.000 |
| Victoria County GCD - OPW-20180720-01 | 250.000 |
| Victoria County GCD - OPW-20180720-02 | 2.630 |
| Victoria County GCD - OPW-20180720-03 | 10.000 |
| Victoria County GCD - OPW-20180817-02 | 10.000 |
| Victoria County GCD - OPW-20180914-03 | 196.409 |
| Victoria County GCD - OPW-20181019-01 | 2.700 |
| Victoria County GCD - OPW-20181019-04 | 2.500 |
| Victoria County GCD - OPW-20190215-03 | 55.620 |
| Victoria County GCD - OPW-20190215-04 | 2.350 |
| Victoria County GCD - OPW-20190215-05 | 4.000 |
| Victoria County GCD - OPW-20190215-06 | 4.000 |
| Victoria County GCD - OPW-20190215-07 | 2.500 |
| Victoria County GCD - OPW-20190215-08 | 1.518 |
| Victoria County GCD - OPW-20190215-09 | 2.900 |
| Victoria County GCD - OPW-20190315-01 | 0.000 |
| Victoria County GCD - OPW-20190422-01 | 3.085 |
| Victoria County GCD - OPW-20190426-01 | 2.049 |
| Victoria County GCD - OPW-20190426-02 | 1.270 |
| Victoria County GCD - OPW-20190513-01 | 10.000 |
| Victoria County GCD - OPW-20190513-04 | 2.500 |
| Victoria County GCD - OPW-20190527-02 | 3.000 |
| Victoria County GCD - OPW-20190603-01 | 8.215 |
| Victoria County GCD - OPW-20190719-22 | 402.000 |
| Victoria County GCD - OPW-20190816-03 | 44.000 |
| Victoria County GCD - OPW-20190913-01 | 0.759 |
| Victoria County GCD - OPW-20191015-01 | 10.000 |
| Victoria County GCD - OPW-20191015-02 | 20.000 |

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| Victoria County GCD - OPW-20191018-02 | 2.000 |
| Victoria County GCD - OPW-20191018-03 | 0.150 |
| Victoria County GCD - OPW-20191018-04 | 1.665 |
| Victoria County GCD - OPW-20191209-01 | 0.405 |
| Victoria County GCD - OPW-20200117-01 | 2.520 |
| Victoria County GCD - OPW-20200117-02 | 42.500 |
| Victoria County GCD - OPW-20200225-01 | 1.000 |
| Victoria County GCD - OPW-20200317-01 | 3.695 |
| Victoria County GCD - OPW-20200331-01 | 0.839 |
| Victoria County GCD - OPW-20200717-01 | 1120.000 |
| Victoria County GCD - OPW-20200721-02 | 5.870 |
| Victoria County GCD - OPW-20200824-03 | 0.780 |
| Victoria County GCD - OPW-20200918-01 | 10.000 |
| Victoria County GCD - OPW-20201120-01 | 3.000 |
| Victoria County GCD - OPW-20201120-02 | 50.800 |
| Victoria County GCD - OPW-20201120-03 | 1.500 |
| Victoria County GCD - OPW-20201120-04 | 363.000 |
| Victoria County GCD - OPW-20201120-05 | 10.500 |
| Victoria County GCD - OPW-20201120-06 | 17.000 |
| Victoria County GCD - OPW-20201120-07 | 0.450 |
| Victoria County GCD - OPW-20201120-08 | 1.950 |
| Victoria County GCD - OPW-20201120-09 | 13.350 |
| Victoria County GCD - VP-20090828-01 | 825.040 |
| Victoria County GCD - VP-20090828-02 | 1158.360 |
| Victoria County GCD - VP-20090828-03 | 1343.910 |
| Victoria County GCD - VP-20090828-04 | 285.470 |
| Victoria County GCD - VP-20090828-05 | 664.010 |
| Victoria County GCD - VP-20090828-06 | 622.860 |
| Victoria County GCD - VP-20090828-07 | 639.000 |
| Victoria County GCD - VP-20090828-08 | 333.400 |
| Victoria County GCD - VP-20090828-09 | 1263.850 |
| Victoria County GCD - VP-20090828-10 | 1408.320 |
| Victoria County GCD - VP-20090828-11 | 359.670 |
| Victoria County GCD - VP-20090828-12 | 621.690 |
| Victoria County GCD - VP-20090828-13 | 695.200 |
| Victoria County GCD - VP-20090828-14 | 776.370 |
| Victoria County GCD - VP-20090828-15 | 779.180 |
| Victoria County GCD - VP-20100319-01 | 1.310 |
| Victoria County GCD - VP-20100521-03 | 963.000 |
| Victoria County GCD - VP-20100618-02 | 302.000 |
| Victoria County GCD - VP-20101119-02 | 13.810 |
| Victoria County GCD - VP-20101119-04 | 170.130 |
| Victoria County GCD - VP-20101119-05 | 233.640 |
| Victoria County GCD - VP-20110121-06 | 1436.000 |
| Victoria County GCD - VP-20110121-07 | 4.780 |
| Victoria County GCD - VP-20110218-01 | 101.000 |
| Victoria County GCD - VP-20110218-03 | 36.000 |

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| Victoria County GCD - VP-20110218-04 | 36.000 |
| Victoria County GCD - VP-20110218-05 | 220.000 |
| Victoria County GCD - VP-20110218-06 | 126.700 |
| Victoria County GCD - VP-20110415-01 | 778.800 |
| Victoria County GCD - VP-20110415-02 | 778.800 |
| Victoria County GCD - VP-20110415-03 | 778.800 |
| Victoria County GCD - VP-20110415-04 | 778.800 |
| Victoria County GCD - VP-20110415-05 | 778.800 |
| Victoria County GCD - VP-20110610-01 | 450.000 |
| Victoria County GCD - VP-20110715-01 | 93.000 |
| Victoria County GCD - VP-20110715-02 | 600.000 |
| Victoria County GCD - VP-20110715-03 | 1356.000 |
| Victoria County GCD - VP-20110715-04 | 15.040 |
| Victoria County GCD - VP-20110715-05 | 15.040 |
| Victoria County GCD - VP-20110819-01 | 3.160 |
| Victoria County GCD - VP-20110819-02 | 86.670 |
| Victoria County GCD - VP-20110819-03 | 0.180 |
| Victoria County GCD - VP-20120217-01 | 1088.757 |
| Victoria County GCD - VP-20120217-02 | 1088.757 |
| Victoria County GCD - VP-20120217-03 | 1088.757 |
| Victoria County GCD - VP-20120420-01 | 4.780 |
| Victoria County GCD - VP-20120420-02 | 4.780 |
| Victoria County GCD - VP-20120420-03 | 4.780 |
| Victoria County GCD - VP-20120420-05 | 219.110 |
| Victoria County GCD - VP-20120420-06 | 219.110 |
| Victoria County GCD - VP-20120420-07 | 219.110 |
| Victoria County GCD - VP-20120420-08 | 219.110 |
| Victoria County GCD - VP-20120420-11 | 33.000 |
| Victoria County GCD - VP-20120420-12 | 37.600 |
| Victoria County GCD - VP-20120420-13 | 37.600 |
| Victoria County GCD - VP-20120420-14 | 20.300 |
| Victoria County GCD - VP-20120420-15 | 71.400 |
| Victoria County GCD - VP-20120420-16 | 24.200 |
| Victoria County GCD - VP-20120420-17 | 15.300 |
| Victoria County GCD - VP-20120420-18 | 26.600 |
| Victoria County GCD - VP-20120518-01 | 134.620 |
| Victoria County GCD - VP-20120518-02 | 134.620 |
| Victoria County GCD - VP-20120615-02 | 4.700 |
| Victoria County GCD - VP-20120615-03 | 4.700 |
| Victoria County GCD - VP-20120615-07 | 0.110 |
| Victoria County GCD - VP-20120921-01 | 99.000 |
| Victoria County GCD - VP-20120921-02 | 47.000 |
| Victoria County GCD - VP-20120921-03 | 51.000 |
| Victoria County GCD - VP-20120921-06 | 1392.000 |
| Victoria County GCD - VP-20121221-03 | 143.700 |
| Victoria County GCD - VP-20130118-02 | 0.340 |
| Victoria County GCD - VP-20130419-15 | 7.980 |

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| Victoria County GCD - VP-20130621-05 | 448.000 |
| Victoria County GCD - VP-20130816-03 | 1.600 |
| Victoria County GCD - VP-20130816-04 | 14.700 |
| Victoria County GCD - VP-20131018-10 | 1945.000 |
| Victoria County GCD - VP-20131018-11 | 1945.000 |
| Victoria County GCD - VP-20131018-12 | 1945.000 |
| Victoria County GCD - VP-20131115-04 | 35.840 |
| Victoria County GCD - VP-20131220-05 | 2.000 |
| Victoria County GCD - VP-20131220-06 | 8.300 |
| Victoria County GCD - VP-20131220-08 | 4.700 |
| Victoria County GCD - VP-20131220-09 | 1.700 |
| Victoria County GCD - VP-20140117-01 | 1.512 |
| Victoria County GCD - VP-20140117-02 | 0.190 |
| Victoria County GCD - VPW-20140718-01 | 1.430 |
| Victoria County GCD - VPW-20141121-05 | 128.000 |
| Victoria County GCD - VPW-20141219-01 | 5.480 |
| Victoria County GCD - VPW-20141219-02 | 2.700 |
| Victoria County GCD - VPW-20150821-01 | 49.850 |
| Victoria County GCD - VPW-20151120-06 | 0.250 |
| Victoria County GCD - VPW-20160115-01 | 1560.000 |
| Victoria County GCD - VPW-20160115-02 | 1440.000 |
| Victoria County GCD - VPW-20160115-03 | 1680.000 |
| Victoria County GCD - VPW-20160115-04 | 960.000 |
| Victoria County GCD - VPW-20160415-01 | 482.704 |
| Victoria County GCD - VPW-20160415-02 | 408.987 |
| Victoria County GCD - VPW-20170818-01 | 265.150 |
| Victoria County GCD - VPW-20180615-01 | 2322.000 |
| Victoria County GCD - VPW-20200221-02 | 684.000 |
| Grand Total | 85529.857 |

| Parameter | | Solids, Total Dissolved (g/L) | | | |
|--------------------|--------------|-------------------------------|----------------------------------|------------------------------|--|
| Row Labels | Count of fid | Min of Parameter Measurement | Average of Parameter Measurement | Max of Parameter Measurement | |
| 2011 | 1 | 0.845 | 0.845 | 0.845 | |
| 2012 | 14 | 0.669 | 1.166 | 1.839 | |
| 2013 | 62 | 0.331 | 0.985 | 5.040 | |
| 2014 | 49 | 0.190 | 1.129 | 4.569 | |
| 2015 | 24 | 0.491 | 0.955 | 2.565 | |
| 2016 | 18 | 0.488 | 2.493 | 21.850 | |
| 2017 | 45 | 0.491 | 1.169 | 12.138 | |
| 2018 | 23 | 0.285 | 1.209 | 4.996 | |
| 2019 | 55 | 0.462 | 1.064 | 5.728 | |
| 2020 | 4 | 0.500 | 0.843 | 1.813 | |
| Grand Total | 295 | 0.190 | 1.165 | 21.850 | |

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| 2318 | Victoria County GCD | Victoria County GCD - WQM-20170530-01 | Victoria County GCD - NW-000666 | 5/30/2017 | 2017 Conductivity Conversion | Solids, Total Dissolved (g/L) | 1.247 |
| 2325 | Victoria County GCD | Victoria County GCD - WQM-20170606-01 | Victoria County GCD - GW-000967 | 6/6/2017 | 2017 Conductivity Conversion | Solids, Total Dissolved (g/L) | 0.527 |
| 2333 | Victoria County GCD | Victoria County GCD - WQM-20170606-03 | Victoria County GCD - GW-000969 | 6/6/2017 | 2017 Conductivity Conversion | Solids, Total Dissolved (g/L) | 2.617 |
| 2340 | Victoria County GCD | Victoria County GCD - WQM-20170606-02 | Victoria County GCD - GW-000970 | 6/6/2017 | 2017 Conductivity Conversion | Solids, Total Dissolved (g/L) | 12.138 |
| 2348 | Victoria County GCD | Victoria County GCD - WQM-20170614-03 | Victoria County GCD - GW-000971 | 6/14/2017 | 2017 Conductivity Conversion | Solids, Total Dissolved (g/L) | 0.827 |
| 2359 | Victoria County GCD | Victoria County GCD - WQM-20170802-01 | Victoria County GCD - NW-001048 | 8/2/2017 | 2017 Conductivity Conversion | Solids, Total Dissolved (g/L) | 1.551 |
| 2367 | Victoria County GCD | Victoria County GCD - WQM-20170802-02 | Victoria County GCD - NW-001049 | 8/2/2017 | 2017 Conductivity Conversion | Solids, Total Dissolved (g/L) | 1.158 |
| 2373 | Victoria County GCD | Victoria County GCD - WQM-20170802-03 | Victoria County GCD - NW-001050 | 8/2/2017 | 2017 Conductivity Conversion | Solids, Total Dissolved (g/L) | 3.746 |
| 2470 | Victoria County GCD | Victoria County GCD - WQM-20171002-01 | Victoria County GCD - NW-001014 | 10/2/2017 | 2017 Conductivity Conversion | Solids, Total Dissolved (g/L) | 0.907 |
| 2496 | Victoria County GCD | Victoria County GCD - WQM-20171031-01 | Victoria County GCD - GW-000047 | 10/31/2017 | 2017 Conductivity Conversion | Solids, Total Dissolved (g/L) | 0.655 |
| 2504 | Victoria County GCD | Victoria County GCD - WQM-20171031-02 | Victoria County GCD - NW-000453 | 10/31/2017 | 2017 Conductivity Conversion | Solids, Total Dissolved (g/L) | 0.632 |
| 2514 | Victoria County GCD | Victoria County GCD - WQM-20171108-01 | Victoria County GCD - GW-000235 | 11/8/2017 | 2017 Conductivity Conversion | Solids, Total Dissolved (g/L) | 1.408 |
| 2521 | Victoria County GCD | Victoria County GCD - WQM-20171109-04 | Victoria County GCD - GW-000237 | 11/9/2017 | 2017 Conductivity Conversion | Solids, Total Dissolved (g/L) | 1.115 |
| 2527 | Victoria County GCD | Victoria County GCD - WQM-20171109-02 | Victoria County GCD - NW-000122 | 11/9/2017 | 2017 Conductivity Conversion | Solids, Total Dissolved (g/L) | 1.26 |
| 2535 | Victoria County GCD | Victoria County GCD - WQM-20171109-01 | Victoria County GCD - NW-000179 | 11/9/2017 | 2017 Conductivity Conversion | Solids, Total Dissolved (g/L) | 1.348 |
| 2542 | Victoria County GCD | Victoria County GCD - WQM-20171109-03 | Victoria County GCD - NW-000425 | 11/9/2017 | 2017 Conductivity Conversion | Solids, Total Dissolved (g/L) | 1.089 |
| 2549 | Victoria County GCD | Victoria County GCD - WQM-20180103-01 | Victoria County GCD - GW-000046 | 1/3/2018 | 2018 Conductivity Conversion | Solids, Total Dissolved (g/L) | 0.631 |
| 2556 | Victoria County GCD | Victoria County GCD - WQM-20180122-01 | Victoria County GCD - GW-000979 | 1/22/2018 | 2018 Conductivity Conversion | Solids, Total Dissolved (g/L) | 4.996 |
| 2578 | Victoria County GCD | Victoria County GCD - WQM-20180131-01 | Victoria County GCD - GW-000595 | 1/31/2018 | 2018 Conductivity Conversion | Solids, Total Dissolved (g/L) | 1.685 |
| 2931 | Victoria County GCD | Victoria County GCD - WQM-20180516-01 | Victoria County GCD - GW-000732 | 5/16/2018 | 2018 Conductivity Conversion | Solids, Total Dissolved (g/L) | 1.094 |
| 2932 | Victoria County GCD | Victoria County GCD - WQFM-20180516:0927 | Victoria County GCD - GW-000732 | 5/16/2018 | 2018 Conductivity Conversion | Solids, Total Dissolved (g/L) | 1.094 |
| 2946 | Victoria County GCD | Victoria County GCD - WQFM-20180614:0920 | Victoria County GCD - GW-000680 | 6/14/2018 | 2018 Conductivity Conversion | Solids, Total Dissolved (g/L) | 0.523 |
| 2953 | Victoria County GCD | Victoria County GCD - WQFM-20180615:1424 | Victoria County GCD - NW-000046 | 6/15/2018 | 2018 Conductivity Conversion | Solids, Total Dissolved (g/L) | 1.54 |
| 2960 | Victoria County GCD | Victoria County GCD - WQFM-20180627:0414 | Victoria County GCD - GW-000988 | 6/27/2018 | 2018 Conductivity Conversion | Solids, Total Dissolved (g/L) | 0.95 |
| 2967 | Victoria County GCD | Victoria County GCD - WQFM-20180627:0310 | Victoria County GCD - NW-000046 | 6/27/2018 | 2018 Conductivity Conversion | Solids, Total Dissolved (g/L) | 1.536 |
| 2974 | Victoria County GCD | Victoria County GCD - WQFM-20180627:1006 | Victoria County GCD - NW-000256 | 6/27/2018 | 2018 Conductivity Conversion | Solids, Total Dissolved (g/L) | 1.88 |
| 2982 | Victoria County GCD | Victoria County GCD - WQFM-20180726:1153 | Victoria County GCD - GW-000589 | 7/26/2018 | 2018 Conductivity Conversion | Solids, Total Dissolved (g/L) | 0.57 |
| 2992 | Victoria County GCD | Victoria County GCD - WQFM-20180726:1037 | Victoria County GCD - GW-000791 | 7/26/2018 | 2018 Conductivity Conversion | Solids, Total Dissolved (g/L) | 0.53 |
| 2998 | Victoria County GCD | Victoria County GCD - WQFM-20180726:1237 | Victoria County GCD - GW-000862 | 7/26/2018 | 2018 Conductivity Conversion | Solids, Total Dissolved (g/L) | 0.58 |
| 3004 | Victoria County GCD | Victoria County GCD - WQFM-20180726:0157 | Victoria County GCD - GW-000990 | 7/26/2018 | 2018 Conductivity Conversion | Solids, Total Dissolved (g/L) | 0.285 |
| 3063 | Victoria County GCD | Victoria County GCD - WQFM-20180803:0855 | Victoria County GCD - GW-000047 | 8/3/2018 | 2018 Conductivity Conversion | Solids, Total Dissolved (g/L) | 0.655 |
| 3155 | Victoria County GCD | Victoria County GCD - WQFM-20180816:1257 | Victoria County GCD - NW-000046 | 8/16/2018 | 2018 Conductivity Conversion | Solids, Total Dissolved (g/L) | 1.53 |
| 3219 | Victoria County GCD | Victoria County GCD - WQFM-20181105:1022 | Victoria County GCD - GW-000235 | 11/5/2018 | 2018 Conductivity Conversion | Solids, Total Dissolved (g/L) | 1.44 |
| 3226 | Victoria County GCD | Victoria County GCD - WQFM-20181105:1144 | Victoria County GCD - GW-000237 | 11/5/2018 | 2018 Conductivity Conversion | Solids, Total Dissolved (g/L) | 1.105 |
| 3233 | Victoria County GCD | Victoria County GCD - WQFM-20181105:1102 | Victoria County GCD - NW-000179 | 11/5/2018 | 2018 Conductivity Conversion | Solids, Total Dissolved (g/L) | 1.339 |
| 3240 | Victoria County GCD | Victoria County GCD - WQFM-20181106:0957 | Victoria County GCD - NW-000122 | 11/6/2018 | 2018 Conductivity Conversion | Solids, Total Dissolved (g/L) | 1.229 |
| 3248 | Victoria County GCD | Victoria County GCD - WQFM-20181107:0314 | Victoria County GCD - GW-000992 | 11/7/2018 | 2018 Conductivity Conversion | Solids, Total Dissolved (g/L) | 0.74 |
| 3255 | Victoria County GCD | Victoria County GCD - WQFM-20181107:1011 | Victoria County GCD - NW-000425 | 11/7/2018 | 2018 Conductivity Conversion | Solids, Total Dissolved (g/L) | 1.062 |
| 3263 | Victoria County GCD | Victoria County GCD - WQFM-20181127:1006 | Victoria County GCD - GW-000181 | 11/27/2018 | 2018 Conductivity Conversion | Solids, Total Dissolved (g/L) | 0.804 |
| 3448 | Victoria County GCD | Victoria County GCD - WQFM-20190308:1006 | Victoria County GCD - GW-000996 | 3/8/2019 | 2019 (Calibrated Probe) | Solids, Total Dissolved (g/L) | 0.674 No |
| 3447 | Victoria County GCD | Victoria County GCD - WQFM-20190314:0926 | Victoria County GCD - GW-000609 | 3/14/2019 | 2019 (Calibrated Probe) | Solids, Total Dissolved (g/L) | 0.731 No |
| 3629 | Victoria County GCD | Victoria County GCD - WQFM-20190314:0131 | Victoria County GCD - GW-000611 | 3/14/2019 | 2019 (Calibrated Probe) | Solids, Total Dissolved (g/L) | 0.517 No |
| 3709 | Victoria County GCD | Victoria County GCD - WQFM-20190314:1033 | Victoria County GCD - GW-000492 | 3/14/2019 | 2019 (Calibrated Probe) | Solids, Total Dissolved (g/L) | 1.062 No |
| 3474 | Victoria County GCD | Victoria County GCD - WQFM-20190315:0107 | Victoria County GCD - GW-000595 | 3/15/2019 | 2019 (Calibrated Probe) | Solids, Total Dissolved (g/L) | 1.853 No |
| 3800 | Victoria County GCD | Victoria County GCD - WQFM-20190315:0222 | Victoria County GCD - GW-000587 | 3/15/2019 | 2019 (Calibrated Probe) | Solids, Total Dissolved (g/L) | 0.516 |
| 3807 | Victoria County GCD | Victoria County GCD - WQFM-20190315:0259 | Victoria County GCD - GW-000687 | 3/15/2019 | 2019 (Calibrated Probe) | Solids, Total Dissolved (g/L) | 0.547 |
| 3814 | Victoria County GCD | Victoria County GCD - WQFM-20190315:0914 | Victoria County GCD - GW-000377 | 3/15/2019 | 2019 (Calibrated Probe) | Solids, Total Dissolved (g/L) | 0.941 |
| 3821 | Victoria County GCD | Victoria County GCD - WQFM-20190315:0953 | Victoria County GCD - GW-000533 | 3/15/2019 | 2019 (Calibrated Probe) | Solids, Total Dissolved (g/L) | 0.863 |
| 3828 | Victoria County GCD | Victoria County GCD - WQFM-20190315:1051 | Victoria County GCD - GW-000150 | 3/15/2019 | 2019 (Calibrated Probe) | Solids, Total Dissolved (g/L) | 0.838 |
| 3835 | Victoria County GCD | Victoria County GCD - WQFM-20190315:1141 | Victoria County GCD - GW-000181 | 3/15/2019 | 2019 (Calibrated Probe) | Solids, Total Dissolved (g/L) | 0.811 |
| 4043 | Victoria County GCD | Victoria County GCD - WQFM-20190315:1227 | Victoria County GCD - GW-000489 | 3/15/2019 | 2019 (Calibrated Probe) | Solids, Total Dissolved (g/L) | 2.24 |
| 3466 | Victoria County GCD | Victoria County GCD - WQFM-20190321:1120 | Victoria County GCD - NW-001291 | 3/21/2019 | 2019 (Calibrated Probe) | Solids, Total Dissolved (g/L) | 5.452 Yes |
| 3848 | Victoria County GCD | Victoria County GCD - WQFM-20190326:0213 | Victoria County GCD - NW-001294 | 3/26/2019 | 2019 (Calibrated Probe) | Solids, Total Dissolved (g/L) | 0.462 |
| 3855 | Victoria County GCD | Victoria County GCD - WQFM-20190326:0944 | Victoria County GCD - GW-000159 | 3/26/2019 | 2019 (Calibrated Probe) | Solids, Total Dissolved (g/L) | 0.663 |
| 3862 | Victoria County GCD | Victoria County GCD - WQFM-20190326:1013 | Victoria County GCD - NW-000016 | 3/26/2019 | 2019 (Calibrated Probe) | Solids, Total Dissolved (g/L) | 0.636 |
| 3869 | Victoria County GCD | Victoria County GCD - WQFM-20190326:1042 | Victoria County GCD - GW-000158 | 3/26/2019 | 2019 (Calibrated Probe) | Solids, Total Dissolved (g/L) | 0.503 |
| 3884 | Victoria County GCD | Victoria County GCD - WQFM-20190326:1205 | Victoria County GCD - GW-000021 | 3/26/2019 | 2019 (Calibrated Probe) | Solids, Total Dissolved (g/L) | 0.628 |
| 3877 | Victoria County GCD | Victoria County GCD - WQFM-20190404:1056 | Victoria County GCD - NW-001294 | 4/4/2019 | 2019 (Calibrated Probe) | Solids, Total Dissolved (g/L) | 0.487 |
| 3891 | Victoria County GCD | Victoria County GCD - WQFM-20190501:0932 | Victoria County GCD - NW-000913 | 5/1/2019 | 2019 (Calibrated Probe) | Solids, Total Dissolved (g/L) | 0.588 |
| 3898 | Victoria County GCD | Victoria County GCD - WQFM-20190501:1017 | Victoria County GCD - GW-000589 | 5/1/2019 | 2019 (Calibrated Probe) | Solids, Total Dissolved (g/L) | 0.574 |
| 3905 | Victoria County GCD | Victoria County GCD - WQFM-20190501:1052 | (Victoria County GCD - GW-00862) | 5/1/2019 | 2019 (Calibrated Probe) | Solids, Total Dissolved (g/L) | 0.593 |
| 3912 | Victoria County GCD | Victoria County GCD - WQFM-20190501:1126 | Victoria County GCD - GW-000996 | 5/1/2019 | 2019 (Calibrated Probe) | Solids, Total Dissolved (g/L) | 0.563 |
| 3919 | Victoria County GCD | Victoria County GCD - WQFM-20190502:1008 | Victoria County GCD - NW-000256 | 5/2/2019 | 2019 (Calibrated Probe) | Solids, Total Dissolved (g/L) | 1.926 |
| 3926 | Victoria County GCD | Victoria County GCD - WQFM-20190502:1050 | Victoria County GCD - GW-000791 | 5/2/2019 | 2019 (Calibrated Probe) | Solids, Total Dissolved (g/L) | 0.532 |
| 3933 | Victoria County GCD | Victoria County GCD - WQFM-20190606:0949 | Victoria County GCD - GW-000175 | 6/6/2019 | 2019 (Calibrated Probe) | Solids, Total Dissolved (g/L) | 0.626 |
| 3940 | Victoria County GCD | Victoria County GCD - WQFM-20190712:0135 | Victoria County GCD - NW-001349 | 7/12/2019 | 2019 (Calibrated Probe) | Solids, Total Dissolved (g/L) | 1.303 |

| | | | | | | | |
|------|---------------------|--|----------------------------------|------------|------------------------------|-------------------------------|----------|
| 3947 | Victoria County GCD | Victoria County GCD - WQFM-20190729:1004 | Victoria County GCD - NW-001304 | 7/29/2019 | 2019 (Calibrated Probe) | Solids, Total Dissolved (g/L) | 0.51 |
| 3954 | Victoria County GCD | Victoria County GCD - WQFM-20190822:0123 | Victoria County GCD - GW-000150 | 8/22/2019 | 2019 (Calibrated Probe) | Solids, Total Dissolved (g/L) | 0.875 |
| 3961 | Victoria County GCD | Victoria County GCD - WQFM-20190822:0156 | Victoria County GCD - GW-000533 | 8/22/2019 | 2019 (Calibrated Probe) | Solids, Total Dissolved (g/L) | 0.904 |
| 3968 | Victoria County GCD | Victoria County GCD - WQFM-20190822:0231 | Victoria County GCD - GW-000377 | 8/22/2019 | 2019 (Calibrated Probe) | Solids, Total Dissolved (g/L) | 0.659 |
| 3975 | Victoria County GCD | Victoria County GCD - WQFM-20190822:0316 | Victoria County GCD - GW-000021 | 8/22/2019 | 2019 (Calibrated Probe) | Solids, Total Dissolved (g/L) | 0.641 |
| 3982 | Victoria County GCD | Victoria County GCD - WQFM-20190822:0906 | Victoria County GCD - GW-000609 | 8/22/2019 | 2019 (Calibrated Probe) | Solids, Total Dissolved (g/L) | 0.758 |
| 3989 | Victoria County GCD | Victoria County GCD - WQFM-20190822:0941 | Victoria County GCD - GW-000608 | 8/22/2019 | 2019 (Calibrated Probe) | Solids, Total Dissolved (g/L) | 2.519 |
| 3996 | Victoria County GCD | Victoria County GCD - WQFM-20190822:1021 | Victoria County GCD - GW-000611 | 8/22/2019 | 2019 (Calibrated Probe) | Solids, Total Dissolved (g/L) | 0.549 |
| 4003 | Victoria County GCD | Victoria County GCD - WQFM-20190822:1151 | Victoria County GCD - GW-000687 | 8/22/2019 | 2019 (Calibrated Probe) | Solids, Total Dissolved (g/L) | 0.568 |
| 4010 | Victoria County GCD | Victoria County GCD - WQFM-20190823:0152 | Victoria County GCD - GW-000181 | 8/22/2019 | 2019 (Calibrated Probe) | Solids, Total Dissolved (g/L) | 0.871 |
| 3725 | Victoria County GCD | Victoria County GCD - WQFM-20190823:1235 | Victoria County GCD - GW-000492 | 8/23/2019 | 2019 (Calibrated Probe) | Solids, Total Dissolved (g/L) | 1.104 No |
| 4017 | Victoria County GCD | Victoria County GCD - WQFM-20190823:0236 | Victoria County GCD - NW-001349 | 8/23/2019 | 2019 (Calibrated Probe) | Solids, Total Dissolved (g/L) | 1.276 |
| 4024 | Victoria County GCD | Victoria County GCD - WQFM-20190823:0337 | Victoria County GCD - GW-000595 | 8/23/2019 | 2019 (Calibrated Probe) | Solids, Total Dissolved (g/L) | 2.023 |
| 4031 | Victoria County GCD | Victoria County GCD - WQFM-20190823:0858 | Victoria County GCD - GW-000587 | 8/23/2019 | 2019 (Calibrated Probe) | Solids, Total Dissolved (g/L) | 0.542 |
| 4038 | Victoria County GCD | Victoria County GCD - WQFM-20190823:0936 | Victoria County GCD - NW-000016 | 8/23/2019 | 2019 (Calibrated Probe) | Solids, Total Dissolved (g/L) | 0.69 |
| 4041 | Victoria County GCD | Victoria County GCD - 20190823:0936 | Victoria County GCD - NW-000016 | 8/23/2019 | 2019 (Calibrated Probe) | Solids, Total Dissolved (g/L) | 0.69 |
| 4049 | Victoria County GCD | Victoria County GCD - WQFM-20190823:0301 | Victoria County GCD - GW-000489 | 8/23/2019 | 2019 (Calibrated Probe) | Solids, Total Dissolved (g/L) | 2.773 |
| 4056 | Victoria County GCD | Victoria County GCD - WQFM-20190823:0957 | Victoria County GCD - GW-000158 | 8/23/2019 | 2019 (Calibrated Probe) | Solids, Total Dissolved (g/L) | 0.659 |
| 4112 | Victoria County GCD | Victoria County GCD - WQFM-20190823:1101 | Victoria County GCD - GW-000589 | 8/23/2019 | 2019 (Calibrated Probe) | Solids, Total Dissolved (g/L) | 0.597 |
| 4119 | Victoria County GCD | Victoria County GCD - WQFM-20190823:1022 | Victoria County GCD - GW-000159 | 8/23/2019 | 2019 (Calibrated Probe) | Solids, Total Dissolved (g/L) | 0.519 |
| 4105 | Victoria County GCD | Victoria County GCD - WQFM-20190906:0242 | Victoria County GCD - GW-001001 | 9/6/2019 | 2019 (Calibrated Probe) | Solids, Total Dissolved (g/L) | 5.728 |
| 4098 | Victoria County GCD | Victoria County GCD - WQFM-20190924:0210 | Victoria County GCD - NW-000122 | 9/24/2019 | 2019 (Calibrated Probe) | Solids, Total Dissolved (g/L) | 1.306 |
| 4070 | Victoria County GCD | Victoria County GCD - WQFM-20191007:0336 | Victoria County GCD - GW-001007 | 10/7/2019 | 2019 (Calibrated Probe) | Solids, Total Dissolved (g/L) | 0.694 |
| 4077 | Victoria County GCD | Victoria County GCD - WQFM-20191007:0255 | Victoria County GCD - GW-001006 | 10/7/2019 | 2019 (Calibrated Probe) | Solids, Total Dissolved (g/L) | 0.817 |
| 4084 | Victoria County GCD | Victoria County GCD - WQFM-20191007:0220 | Victoria County GCD - GW-001005 | 10/7/2019 | 2019 (Calibrated Probe) | Solids, Total Dissolved (g/L) | 0.695 |
| 4091 | Victoria County GCD | Victoria County GCD - WQFM-20191008:0156 | Victoria County GCD - GW-001004 | 10/8/2019 | 2019 (Calibrated Probe) | Solids, Total Dissolved (g/L) | 0.571 |
| 4063 | Victoria County GCD | Victoria County GCD - WQFM-20191118:1111 | Victoria County GCD - GW-001004 | 11/18/2019 | 2019 (Calibrated Probe) | Solids, Total Dissolved (g/L) | 0.565 |
| 4124 | Victoria County GCD | Victoria County GCD - WQFM-20191217:1405 | Victoria County GCD - GW-001011 | 12/17/2019 | 2019 Conductivity Conversion | Solids, Total Dissolved (g/L) | 1.292 No |
| 4123 | Victoria County GCD | Victoria County GCD - WQFM-20200127:1038 | Victoria County GCD - GW-000680 | 1/27/2020 | 2020 Conductivity Conversion | Solids, Total Dissolved (g/L) | 0.55 No |
| 4121 | Victoria County GCD | Victoria County GCD - WQFM-20200424:1325 | (Victoria County GCD - NW-00256) | 4/24/2020 | 2020 Conductivity Conversion | Solids, Total Dissolved (g/L) | 1.813 No |
| 4122 | Victoria County GCD | Victoria County GCD - WQFM-20200424:1428 | Victoria County GCD - GW-000786 | 4/24/2020 | 2020 Conductivity Conversion | Solids, Total Dissolved (g/L) | 0.507 No |
| 4120 | Victoria County GCD | Victoria County GCD - WQFM-20200527:1007 | Victoria County GCD - GW-001016 | 5/27/2020 | 2020 Conductivity Conversion | Solids, Total Dissolved (g/L) | 0.5 No |

| Row Labels | Count of Parameter Measurement | Average of Parameter Measurement |
|--------------------|--------------------------------|----------------------------------|
| 2000 | 20 | 60.3 |
| 2009 | 49 | 52.0 |
| 2010 | 59 | 49.6 |
| 2011 | 63 | 52.4 |
| 2012 | 58 | 53.3 |
| 2013 | 97 | 54.8 |
| 2014 | 128 | 54.6 |
| 2015 | 119 | 53.4 |
| 2016 | 146 | 49.9 |
| 2017 | 141 | 49.9 |
| 2018 | 133 | 50.6 |
| 2019 | 120 | 50.8 |
| 2020 | 110 | 52.9 |
| Grand Total | 1243 | 52.1 |

| | | | | | | | |
|------|---------------------|---------------------------------------|---------------------------------|-----------|-----------------|--------------------------------------|--------|
| 4265 | Victoria County GCD | Victoria County GCD - WLM-20200810-11 | Victoria County GCD - GW-000102 | 8/10/2020 | 2020 Steel Tape | Water Level Depth Below Surface (ft) | 21.95 |
| 4266 | Victoria County GCD | Victoria County GCD - WLM-20200810-12 | Victoria County GCD - GW-000489 | 8/10/2020 | 2020 Steel Tape | Water Level Depth Below Surface (ft) | 33.6 |
| 4267 | Victoria County GCD | Victoria County GCD - WLM-20200810-13 | Victoria County GCD - GW-000227 | 8/10/2020 | 2020 Steel Tape | Water Level Depth Below Surface (ft) | 27.2 |
| 4268 | Victoria County GCD | Victoria County GCD - WLM-20200810-14 | Victoria County GCD - GW-000181 | 8/10/2020 | 2020 Steel Tape | Water Level Depth Below Surface (ft) | 22.5 |
| 4269 | Victoria County GCD | Victoria County GCD - WLM-20200810-15 | Victoria County GCD - GW-000192 | 8/10/2020 | 2020 Steel Tape | Water Level Depth Below Surface (ft) | 28.5 |
| 4270 | Victoria County GCD | Victoria County GCD - WLM-20200811-02 | Victoria County GCD - GW-000311 | 8/11/2020 | 2020 Steel Tape | Water Level Depth Below Surface (ft) | 31.9 |
| 4271 | Victoria County GCD | Victoria County GCD - WLM-20200811-03 | Victoria County GCD - GW-000595 | 8/11/2020 | 2020 Steel Tape | Water Level Depth Below Surface (ft) | 51.5 |
| 4272 | Victoria County GCD | Victoria County GCD - WLM-20200811-05 | Victoria County GCD - GW-000603 | 8/11/2020 | 2020 Steel Tape | Water Level Depth Below Surface (ft) | 51 |
| 4273 | Victoria County GCD | Victoria County GCD - WLM-20200811-06 | Victoria County GCD - GW-000602 | 8/11/2020 | 2020 Steel Tape | Water Level Depth Below Surface (ft) | 48.5 |
| 4274 | Victoria County GCD | Victoria County GCD - WLM-20200811-07 | Victoria County GCD - GW-000601 | 8/11/2020 | 2020 Steel Tape | Water Level Depth Below Surface (ft) | 40 |
| 4275 | Victoria County GCD | Victoria County GCD - WLM-20200811-08 | Victoria County GCD - NW-000333 | 8/11/2020 | 2020 Steel Tape | Water Level Depth Below Surface (ft) | 37.4 |
| 4276 | Victoria County GCD | Victoria County GCD - WLM-20200811-09 | Victoria County GCD - GW-000138 | 8/11/2020 | 2020 Steel Tape | Water Level Depth Below Surface (ft) | 81.9 |
| 4277 | Victoria County GCD | Victoria County GCD - WLM-20201008-01 | Victoria County GCD - NW-000779 | 10/8/2020 | 2020 Steel Tape | Water Level Depth Below Surface (ft) | 45.8 |
| 4278 | Victoria County GCD | Victoria County GCD - WLM-20201008-02 | Victoria County GCD - NW-000426 | 10/8/2020 | 2020 Steel Tape | Water Level Depth Below Surface (ft) | 128.35 |

Geostatistical Technique to Assess and to Evaluate Changes in Water Levels

A Presentation
to



January 14, 2021

Project Work Flow

■ Data Collection of Measured Water Levels

- Assemble GCD and TWDB Water Levels from 1995 to 2000
- Integrate TWDB and GCD water levels into a single data set
- Assign wells to the Chicot and Evangeline Aquifer
- Develop hydrographs of water levels (WL)

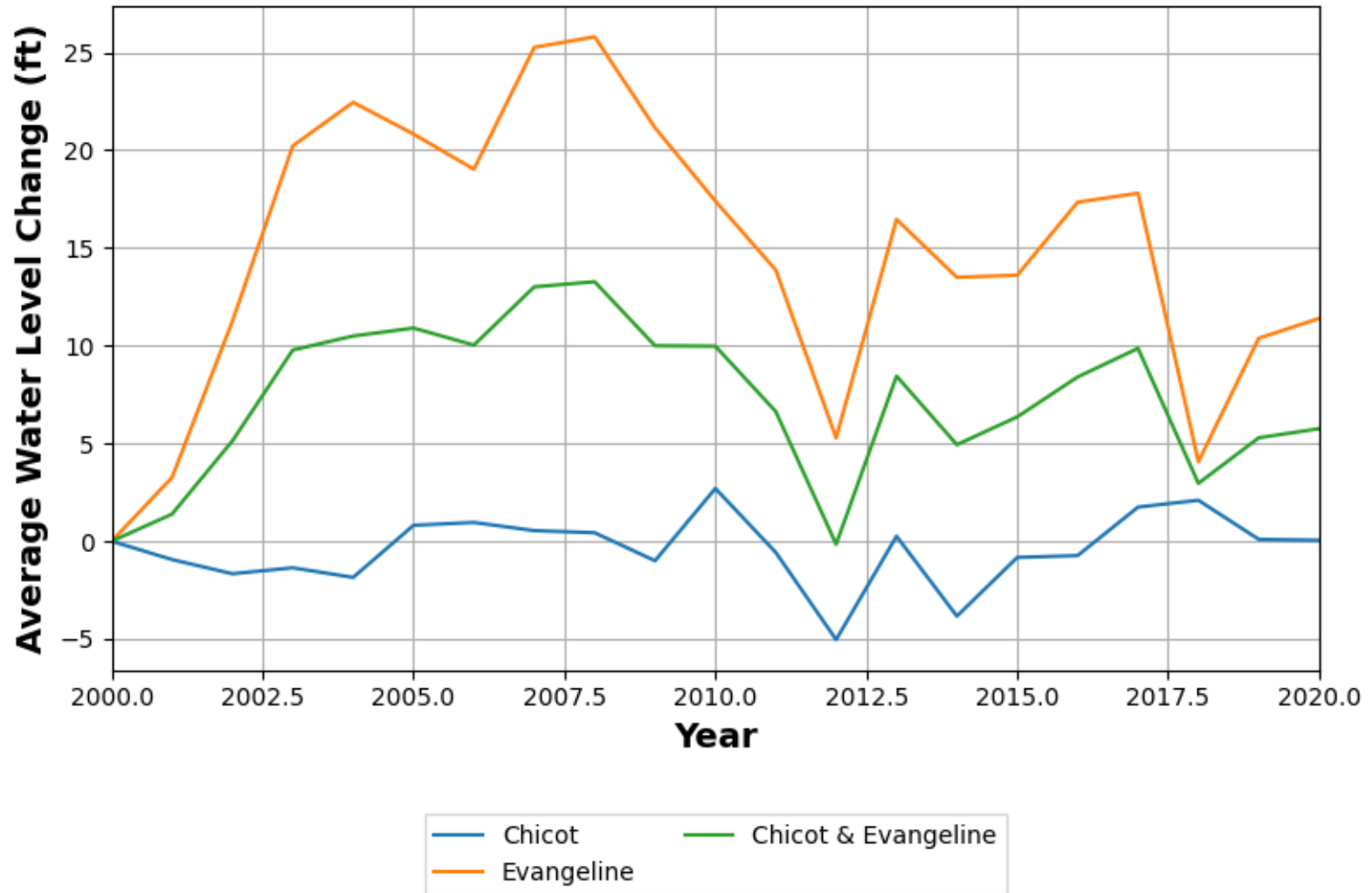
■ Generate Water Level Contours for Chicot and Evangeline Aquifers

- Estimate a trend in the Gulf Coast water levels using smoothed water levels from the Groundwater Availability Model
- Calculate difference between measured and modeled water level (WL)
$$WL\ Residual = Measured\ WL - Predicted\ WL$$
- Perform geostatistics using WLs and WLs residuals to generate WL contours

■ Determine Water Level Change

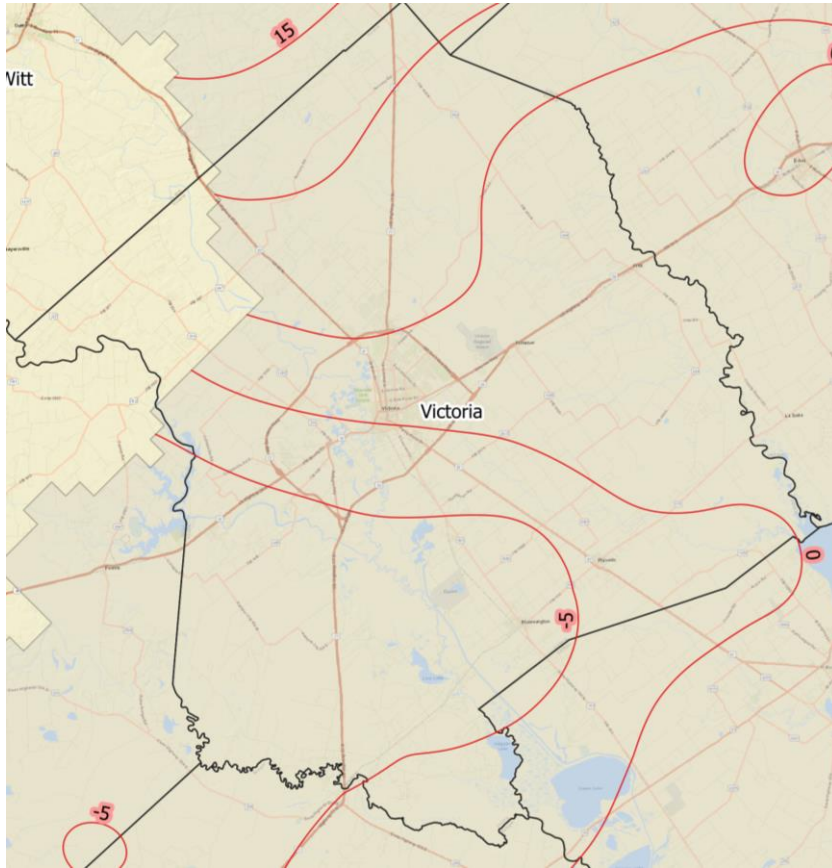
- Calculate average water by aquifer and by year (2000 to 2020)
- Evaluate results and select most appropriate analysis

Water Level Change Over Time

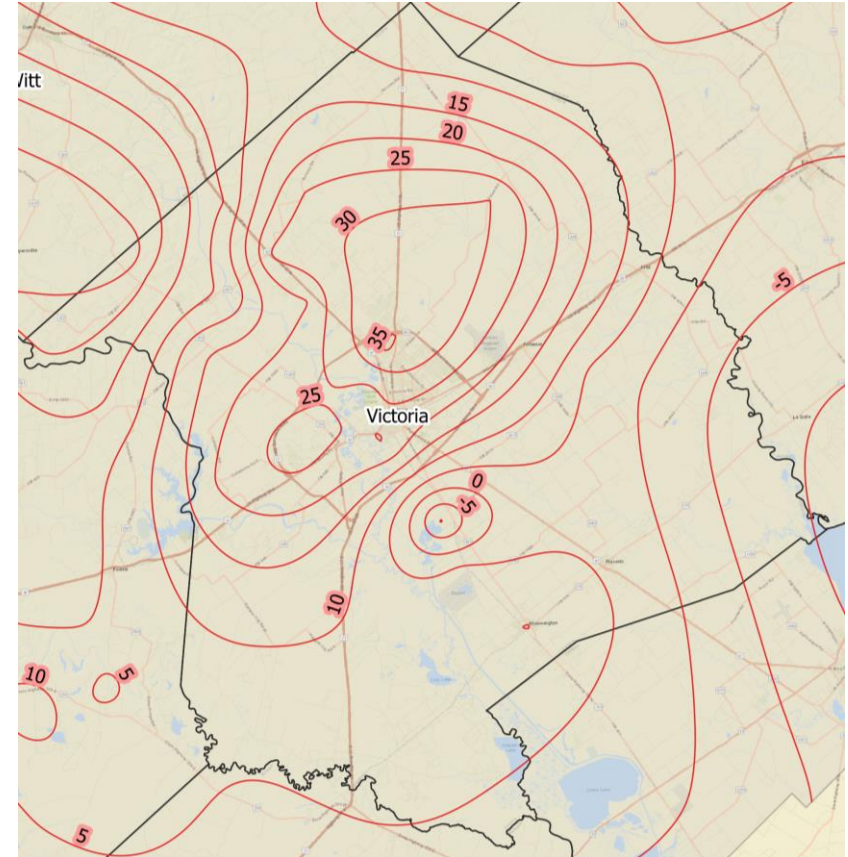


Averaged Change in Water Levels from 2000 to 2020

Chicot



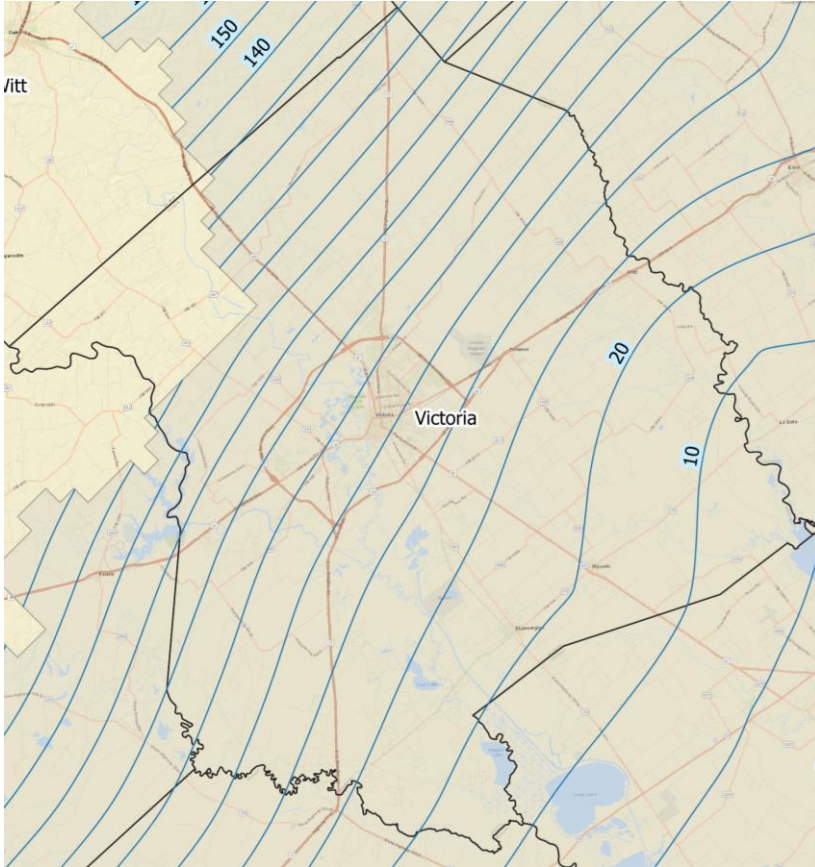
Evangeline



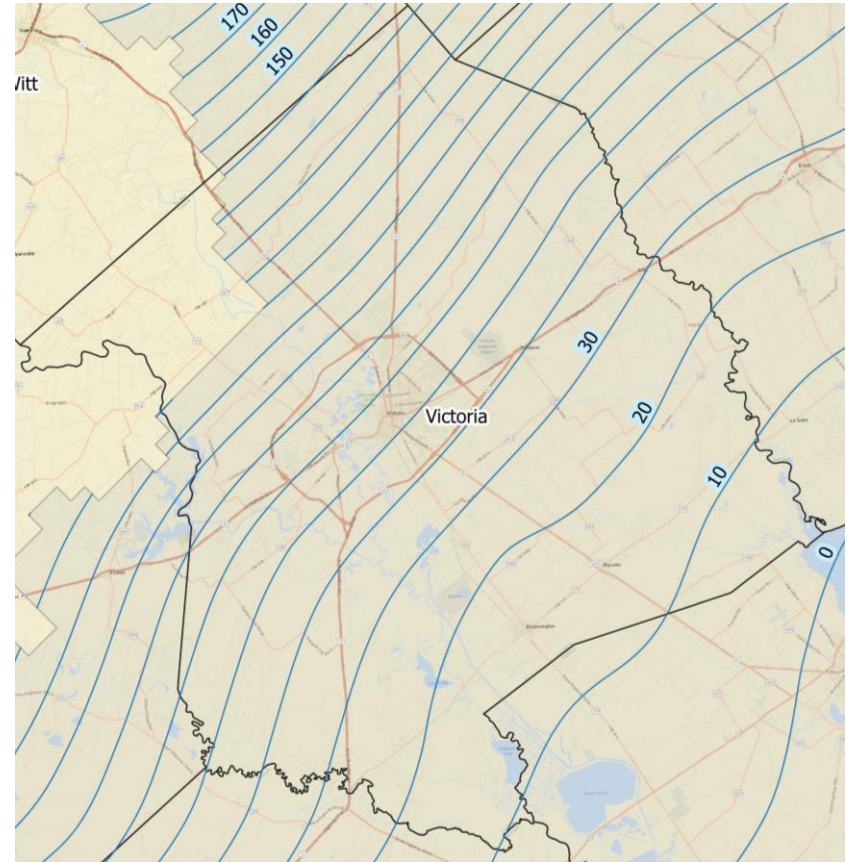
Note: positive number indicates a rebound in water levels since 2000

Contoured Water Levels for Chicot

2000

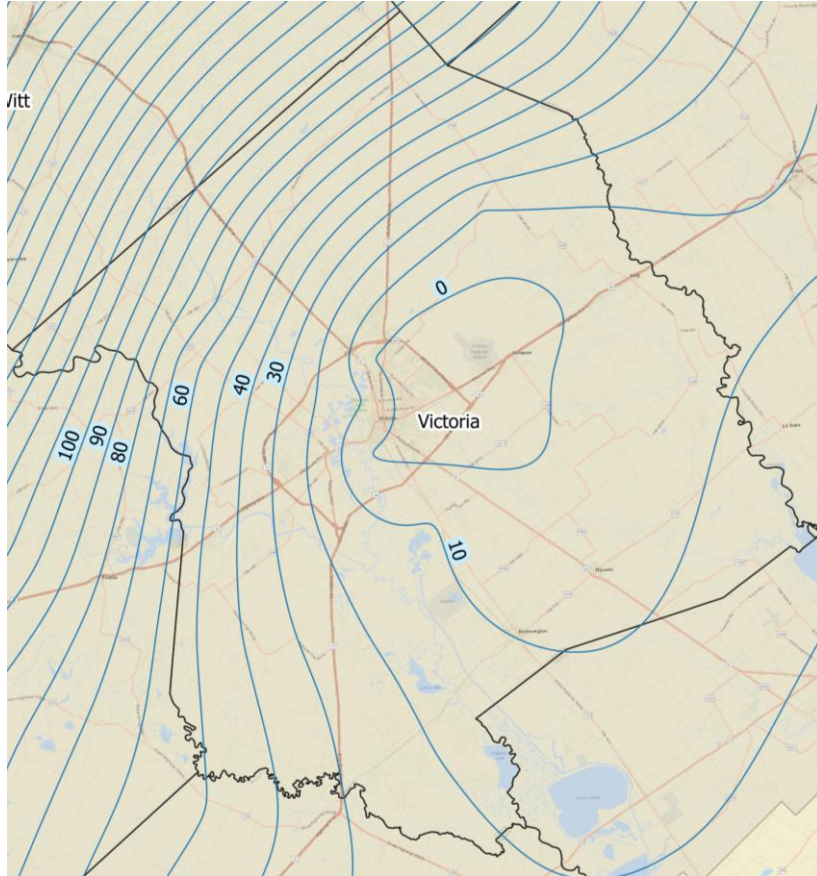


2020



Contoured Water Levels for Evangeline

2000



2020

