

# Groundwater Levels in the Camp Creek Designated Groundwater Basin

2019

by

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Hydrogeology Section

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**COLORADO**  
**Division of Water Resources**  
Department of Natural Resources

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**CAMP CREEK DESIGNATED GROUNDWATER BASIN  
WATER LEVEL MEASUREMENTS  
2019**

This report contains the basic groundwater level data collected from wells in the Camp Creek Designated Groundwater Basin during the period from 1993 through 2019. Acquisition and publication of this information is a cooperative effort between the well owners and the Colorado Division of Water Resources. The project is part of a statewide groundwater level monitoring program funded by Senate Bill 200 (1987 legislative session). This legislation directed that a portion of the fees collected for water well permit applications be used for the establishment of a program to monitor water-level trends throughout the state.

The report contains water level measurements for nine wells measured February 26, 2019. The wells are listed by name in numerical order and the locations of those wells in the geographic context of the designated basin are shown on the following map. All of the Camp Creek wells that are monitored are located in Townships 2 and 3 North, Range 54 West of the 6th P.M. Depth to groundwater, below land surface, ranged from 14 to 39 feet. Only two wells, CC-01 and CC-02, in the upper reaches of Camp Creek had water levels less than 20 feet below ground surface. CC-10 remains inaccessible, but will continue to be checked each year.

Tabular and graphical data are presented for each well for the available period of record. Analyses of changes in the water level in the aquifer are complicated by unknown pumping schedules.

Groundwater levels in wells in the Camp Creek Designated Basin are within one foot of the 2018 measurement; except for CC-09, which was approximately 1.5 feet lower than last year's measurement. Basin-wide water levels have declined approximately 9 feet since 1993 when the Division of Water Resources began the monitoring program. The overall declining trend shows signs of leveling-off in the past 10 years, even showing a slight upturn in several wells over the past 5 years. Of particular note is CC-01, at the upper end of the basin, which has had an increasing trend since the early 2000's.

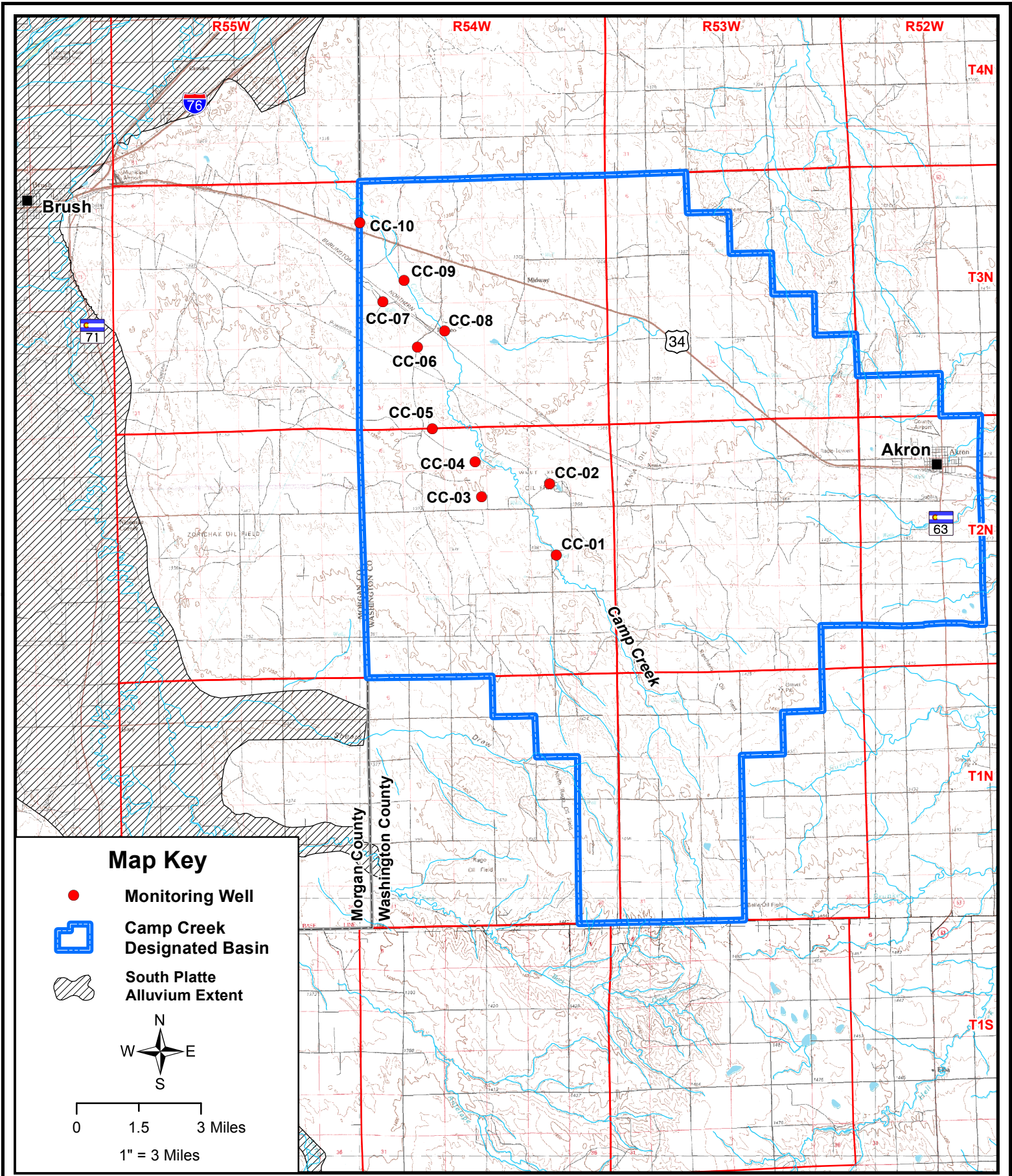
An electronic copy of this report is available on the Division of Water Resources website:  
<http://water.state.co.us/groundwater/Levels/Pages/HydroGeo.aspx>

The direct link to the Camp Creek Publication Area on the CDSS webpage:  
<https://dnrweb.state.co.us/cdss/GroundWater/WaterLevels/Search?submitButton=Submit&SelectedPublicationAreaName=CAMP%20CREEK&SelectedAquiferName=All>

Additionally, all groundwater level data may be accessed and exported using the tools available on the Colorado Decision Support System website:  
<http://dnrweb.state.co.us/cdss/GroundWater/WaterLevels/Search>

or the Colorado Decision Support System MapViewer:  
<http://water.state.co.us/DataMaps/GISandMaps/MapViewer/Pages/FAQ.aspx>

If you have any questions regarding groundwater and the information in this report, please contact the Groundwater Information Desk at (303) 866-3587 or through AskDWR,  
[http://www.dwr.state.co.us/OnlineTools/AskDWR.aspx?topic\\_num=31&office\\_num=8](http://www.dwr.state.co.us/OnlineTools/AskDWR.aspx?topic_num=31&office_num=8)



**COLORADO**  
 Division of Water Resources  
 Department of Natural Resources

*State of Colorado -- Division of Water Resources*  
**Camp Creek Designated Basin**  
**Monitoring Well Network**



**GROUNDWATER DETAILS**

**Well Name:** CC-01  
**Permit Number:** 2804-F  
**WDID:**  
**Data Source:** DWR

**Location Number:** SB00205423ABB  
**USGS Site ID:**  
**Applicant/Contact:** LEO & MARY ANN BASLER

**Physical Location**

Dist N/S	Dist E/W	Q10	Q40	Q160	Sec	Township	Range	PM	UTMx	UTMy	Location Accuracy
695 N	3345 W	NW	NW	NE	23	2.0 N	54.0 W	S	637601.0	4443506.5	GPS

Division: 1                  District: 1  
 County:                      WASHINGTON  
 Designated Basin:        CAMP CREEK  
 Management District:

**Ten Most Recent Readings**

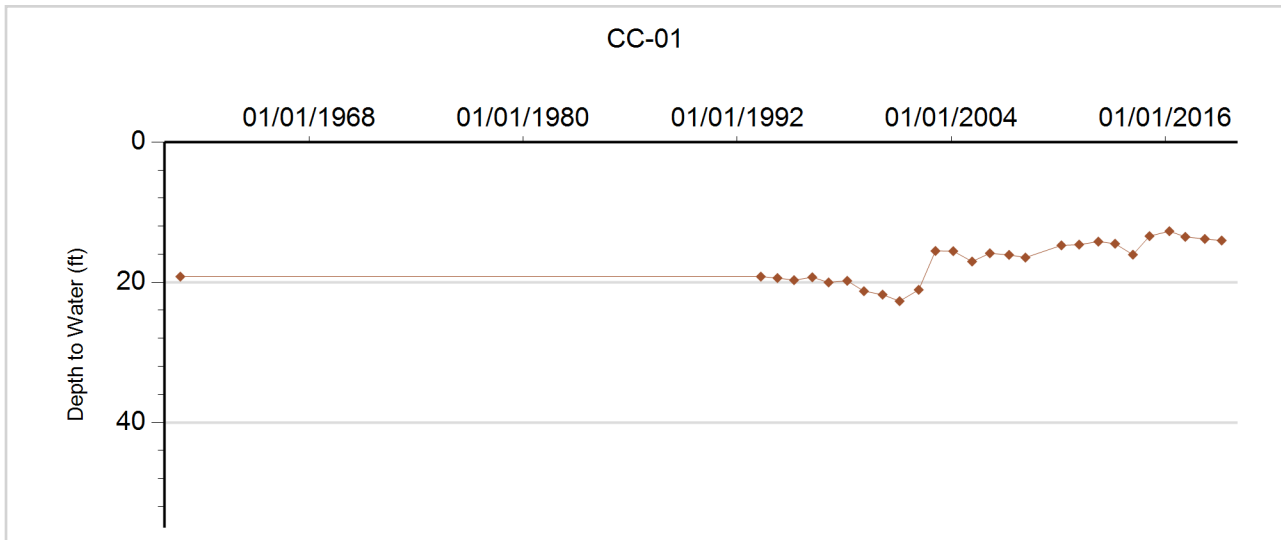
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
02/26/2019	14.05	4572.95	-0.22
03/18/2018	13.83	4573.17	-0.30
02/10/2017	13.53	4573.47	-0.81
03/22/2016	12.72	4574.28	0.70
02/09/2015	13.42	4573.58	2.65
03/06/2014	16.07	4570.93	-1.56
03/06/2013	14.51	4572.49	-0.30
03/28/2012	14.21	4572.79	0.42
03/01/2011	14.63	4572.37	0.11
03/03/2010	14.74	4572.26	1.74

**Construction Information**

Surface Elevation (ft):                      4587.00  
 Well Depth (ft):                                55.00  
 Depth to Base of Grout (ft):  
 Depth to Top of Perforated Casing (ft):        25  
 Depth to Bottom of Perforated Casing (ft):    55  
 Source Aquifer(s):    QUATERNARY ALLUVIUM

**Well Measurement Summary**

Start Date: 10/17/1960    End Date: 02/26/2019  
 Number of Measurements: 27







**GROUNDWATER DETAILS**

**Well Name:** CC-02  
**Permit Number:** 2297-F  
**WDID:**  
**Data Source:** DWR

**Location Number:** SB00205411ACC  
**USGS Site ID:**  
**Applicant/Contact:** MARGARET GROOMS

**Physical Location**

Dist N/S	Dist E/W	Q10	Q40	Q160	Sec	Township	Range	PM	UTMx	UTMy	Location Accuracy
3091 S	2742 W	SW	SW	NE	11	2.0 N	54.0 W	S	637345.0	4446264.5	GPS

Division: 1                  District: 1  
 County:                      WASHINGTON  
 Designated Basin:        CAMP CREEK  
 Management District:

**Ten Most Recent Readings**

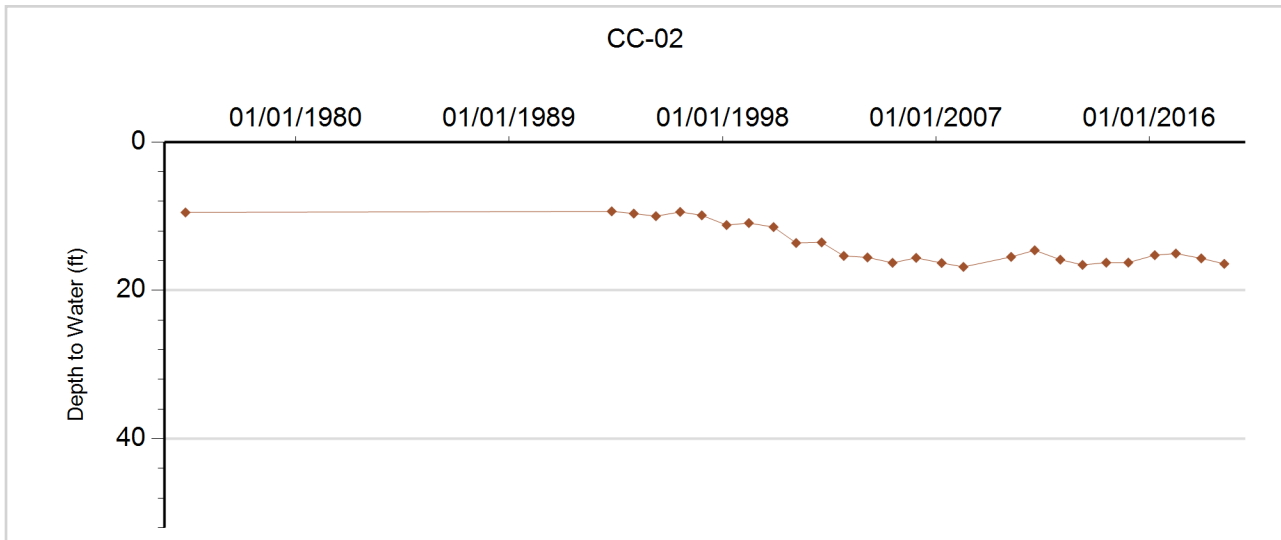
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
02/26/2019	16.43	4465.57	-0.74
03/08/2018	15.69	4466.31	-0.65
02/10/2017	15.04	4466.96	0.22
03/22/2016	15.26	4466.74	1.00
02/09/2015	16.26	4465.74	0.01
03/06/2014	16.27	4465.73	0.30
03/06/2013	16.57	4465.43	-0.70
03/28/2012	15.87	4466.13	-1.27
03/01/2011	14.60	4467.40	0.89
03/03/2010	15.49	4466.51	1.35

**Construction Information**

Surface Elevation (ft):                      4482.00  
 Well Depth (ft):                                52.00  
 Depth to Base of Grout (ft):                10  
 Depth to Top of Perforated Casing (ft):    13  
 Depth to Bottom of Perforated Casing (ft): 52  
 Source Aquifer(s):    QUATERNARY ALLUVIUM

**Well Measurement Summary**

Start Date: 05/10/1975    End Date: 02/26/2019  
 Number of Measurements: 27





**GROUNDWATER DETAILS**

**Well Name:** CC-03  
**Permit Number:** 20791-F  
**WDID:**  
**Data Source:** DWR

**Location Number:** SB00205409DAD  
**USGS Site ID:**  
**Applicant/Contact:** ED BASLER

**Physical Location**

Dist N/S	Dist E/W	Q10	Q40	Q160	Sec	Township	Range	PM	UTMx	UTMy	Location Accuracy
3616 N	674 E	SE	NE	SE	9	2.0 N	54.0 W	S	634691.0	4445757.5	GPS

Division: 1                  District: 1  
 County: WASHINGTON  
 Designated Basin: CAMP CREEK  
 Management District:

**Ten Most Recent Readings**

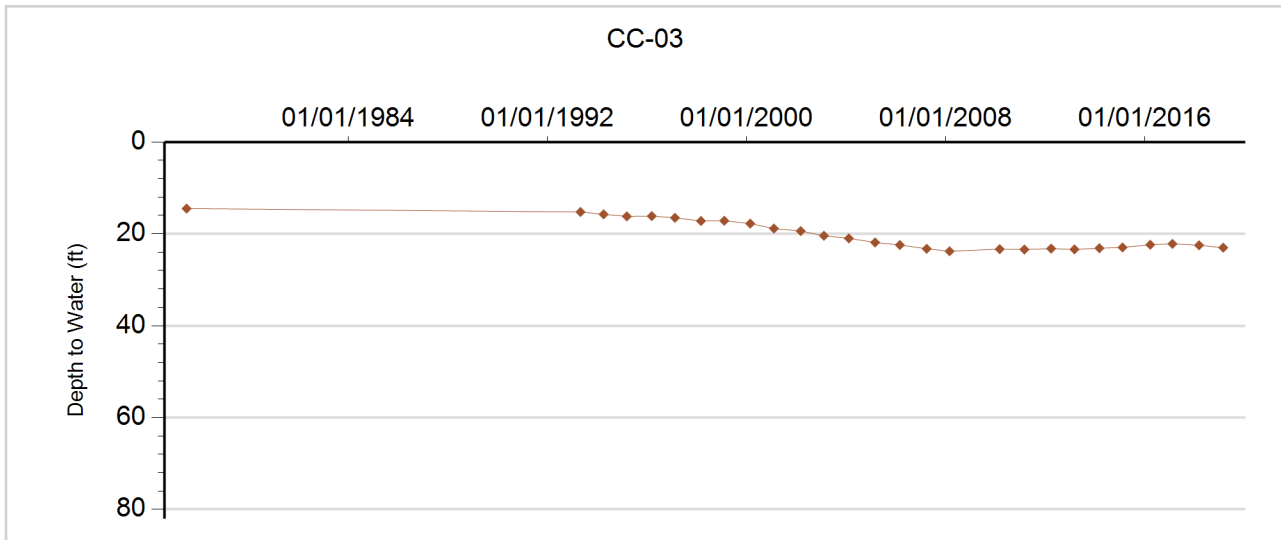
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
02/26/2019	23.01	4426.99	-0.53
03/08/2018	22.48	4427.52	-0.30
02/10/2017	22.18	4427.82	0.19
03/22/2016	22.37	4427.63	0.59
02/09/2015	22.96	4427.04	0.17
03/06/2014	23.13	4426.87	0.26
03/06/2013	23.39	4426.61	-0.18
03/28/2012	23.21	4426.79	0.20
03/01/2011	23.41	4426.59	-0.07
03/03/2010	23.34	4426.66	0.45

**Construction Information**

Surface Elevation (ft): 4450.00  
 Well Depth (ft): 82.00  
 Depth to Base of Grout (ft): 10  
 Depth to Top of Perforated Casing (ft): 30  
 Depth to Bottom of Perforated Casing (ft): 82  
 Source Aquifer(s): QUATERNARY ALLUVIUM

**Well Measurement Summary**

Start Date: 07/01/1977    End Date: 02/26/2019  
 Number of Measurements: 27





**GROUNDWATER DETAILS**

**Well Name:** CC-04  
**Permit Number:** 19358-FP  
**WDID:**  
**Data Source:** DWR

**Location Number:** SB00205404DDB  
**USGS Site ID:**  
**Applicant/Contact:** SPENCE RULE

**Physical Location**

Dist N/S	Dist E/W	Q10	Q40	Q160	Sec	Township	Range	PM	UTMx	UTMy	Location Accuracy
929 S	4006 W	NW	SW	SE	4	2.0 N	54.0 W	S	634443.1	4447137.5	GPS

Division: 1                  District: 1  
 County: WASHINGTON  
 Designated Basin: CAMP CREEK  
 Management District:

**Ten Most Recent Readings**

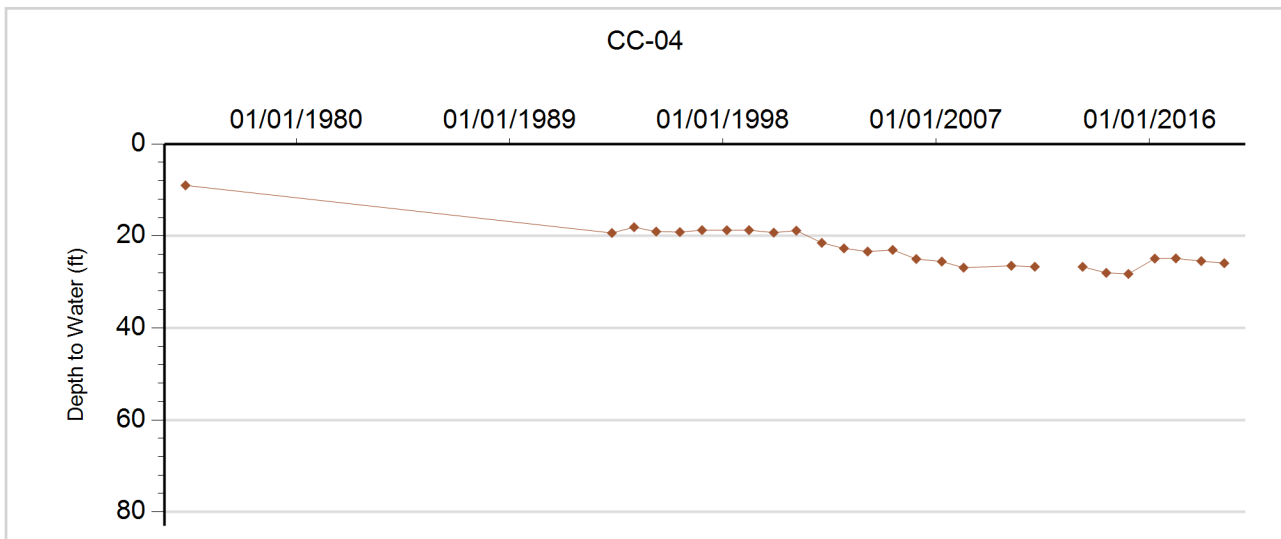
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
02/26/2019	25.92	4416.08	-0.46
03/08/2018	25.46	4416.54	-0.58
02/10/2017	24.88	4417.12	0.03
03/22/2016	24.91	4417.09	3.35
02/09/2015	28.26	4413.74	-0.24
03/06/2014	28.02	4413.98	-1.31
03/06/2013	26.71	4415.29	
03/28/2012			
03/01/2011	26.69	4415.31	-0.21
03/03/2010	26.48	4415.52	0.42

**Construction Information**

Surface Elevation (ft): 4442.00  
 Well Depth (ft): 83.00  
 Depth to Base of Grout (ft): 10  
 Depth to Top of Perforated Casing (ft): 33  
 Depth to Bottom of Perforated Casing (ft): 83  
 Source Aquifer(s): QUATERNARY ALLUVIUM

**Well Measurement Summary**

Start Date: 05/02/1975    End Date: 02/26/2019  
 Number of Measurements: 27





**GROUNDWATER DETAILS**

**Well Name:** CC-05  
**Permit Number:** 25969-FP  
**WDID:**  
**Data Source:** DWR

**Location Number:** SB00205405ABB  
**USGS Site ID:**  
**Applicant/Contact:** SPENCE RULE

**Physical Location**

Dist N/S	Dist E/W	Q10	Q40	Q160	Sec	Township	Range	PM	UTMx	UTMy	Location Accuracy
14 N	3961 W	NW	NW	NE	5	2.0 N	54.0 W	S	632777.1	4448422.5	GPS

Division: 1                  District: 1  
 County:                      WASHINGTON  
 Designated Basin:        CAMP CREEK  
 Management District:

**Ten Most Recent Readings**

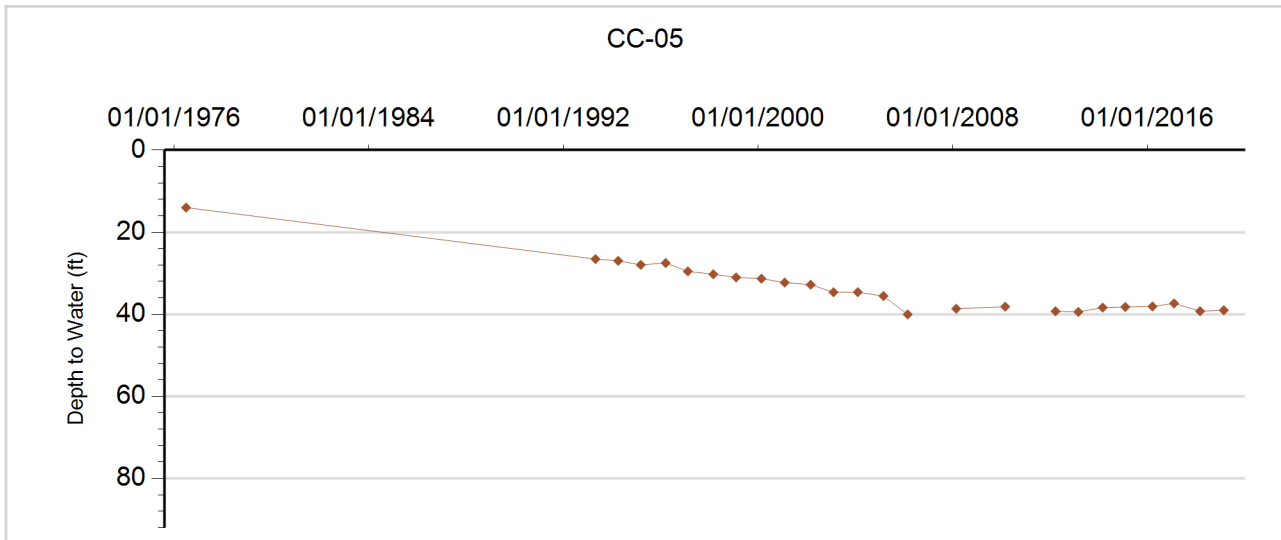
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
02/26/2019	39.02	4374.98	0.23
03/08/2018	39.25	4374.75	-1.89
02/10/2017	37.36	4376.64	0.74
03/22/2016	38.10	4375.90	0.12
02/09/2015	38.22	4375.78	0.14
03/06/2014	38.36	4375.64	1.07
03/06/2013	39.43	4374.57	-0.16
03/28/2012	39.27	4374.73	
03/01/2011			
03/03/2010	38.15	4375.85	0.50

**Construction Information**

Surface Elevation (ft):                      4414.00  
 Well Depth (ft):                                92.00  
 Depth to Base of Grout (ft):                10  
 Depth to Top of Perforated Casing (ft):    26  
 Depth to Bottom of Perforated Casing (ft): 91  
 Source Aquifer(s):    QUATERNARY ALLUVIUM

**Well Measurement Summary**

Start Date: 06/29/1976    End Date: 02/26/2019  
 Number of Measurements: 27







**GROUNDWATER DETAILS**

**Well Name:** CC-06  
**Permit Number:** 19966-FP  
**WDID:**  
**Data Source:** DWR

**Location Number:** SB00305429BAA  
**USGS Site ID:**  
**Applicant/Contact:** SPENCE RULE

**Physical Location**

Dist N/S	Dist E/W	Q10	Q40	Q160	Sec	Township	Range	PM	UTMx	UTMy	Location Accuracy
92 N	3085 E	NE	NE	NW	29	3.0 N	54.0 W	S	632220.9	4451614.0	GPS

Division: 1                  District: 1  
 County:                      WASHINGTON  
 Designated Basin:      CAMP CREEK  
 Management District:

**Ten Most Recent Readings**

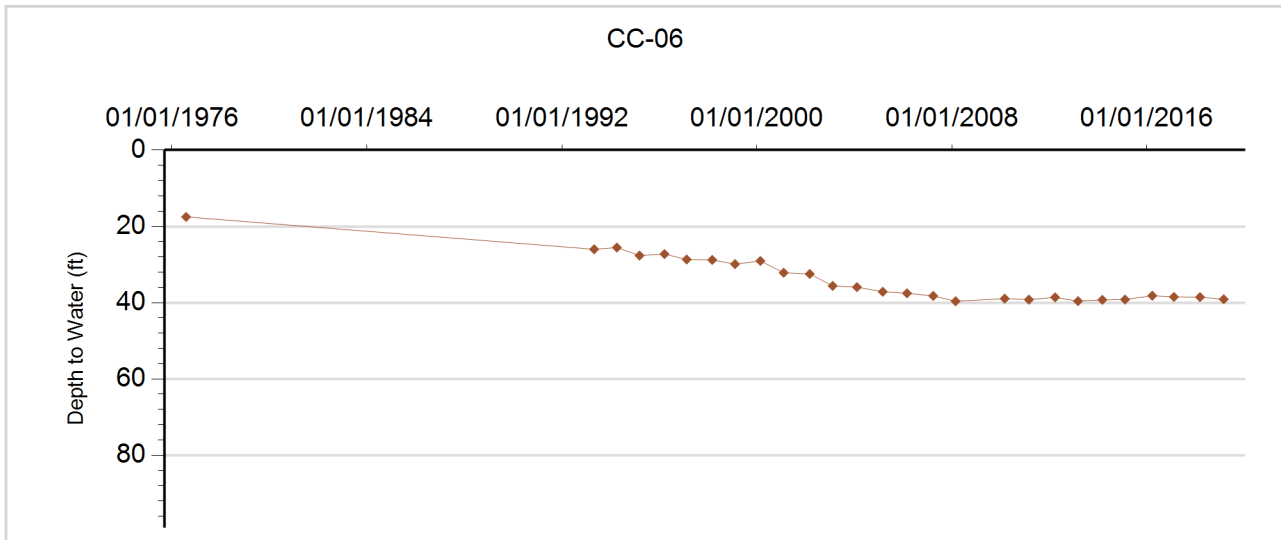
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
02/26/2019	39.10	4349.90	-0.56
03/08/2018	38.54	4350.46	-0.05
02/10/2017	38.49	4350.51	-0.31
03/22/2016	38.18	4350.82	1.00
02/09/2015	39.18	4349.82	0.08
03/06/2014	39.26	4349.74	0.33
03/06/2013	39.59	4349.41	-0.98
03/28/2012	38.61	4350.39	0.59
03/01/2011	39.20	4349.80	-0.26
03/03/2010	38.94	4350.06	0.68

**Construction Information**

Surface Elevation (ft):                      4389.00  
 Well Depth (ft):                                      99.00  
 Depth to Base of Grout (ft):                      10  
 Depth to Top of Perforated Casing (ft):                      34  
 Depth to Bottom of Perforated Casing (ft):                      99  
 Source Aquifer(s):      QUATERNARY ALLUVIUM

**Well Measurement Summary**

Start Date: 08/02/1976    End Date: 02/26/2019  
 Number of Measurements: 27





**GROUNDWATER DETAILS**

**Well Name:** CC-07  
**Permit Number:** 21077-S  
**WDID:** 0108742  
**Data Source:** DWR

**Location Number:** SB00305418DCC  
**USGS Site ID:**  
**Applicant/Contact:** VAUGHEY & VAUGHEY

**Physical Location**

Dist N/S	Dist E/W	Q10	Q40	Q160	Sec	Township	Range	PM	UTMx	UTMy	Location Accuracy
356 S	3092 W	SW	SW	SE	18	3.0 N	54.0 W	S	630893.0	4453342.0	GPS

Division: 1                  District: 1  
 County: WASHINGTON  
 Designated Basin: CAMP CREEK  
 Management District:

**Ten Most Recent Readings**

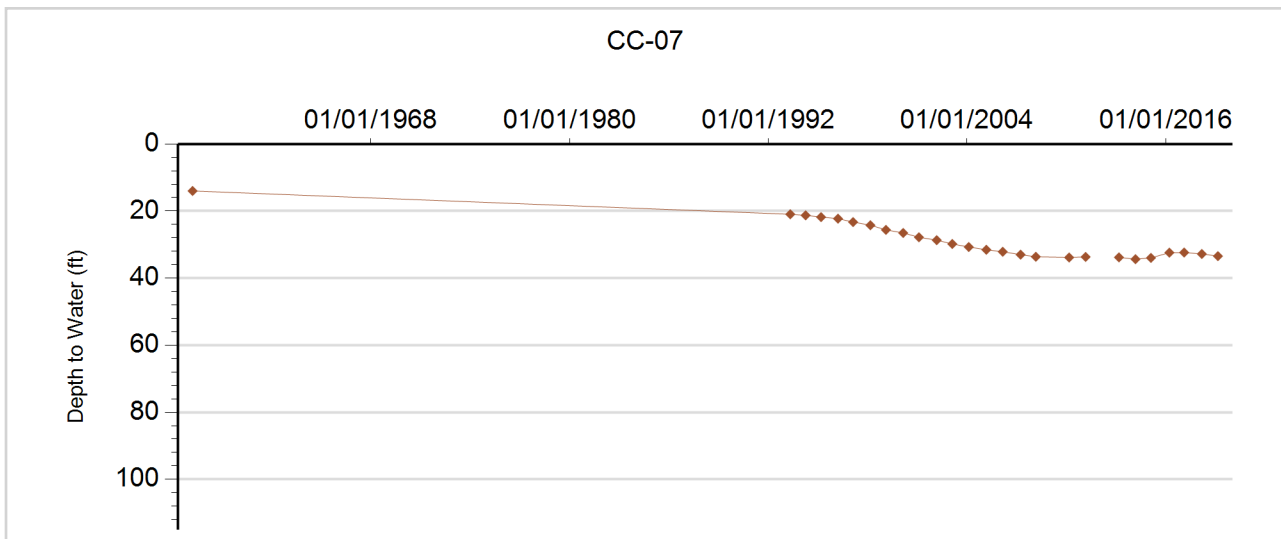
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
02/26/2019	33.44	4341.56	-0.65
03/08/2018	32.79	4342.21	-0.43
02/10/2017	32.36	4342.64	0.04
03/22/2016	32.40	4342.60	1.56
02/09/2015	33.96	4341.04	0.39
03/06/2014	34.35	4340.65	-0.54
03/06/2013	33.81	4341.19	
03/28/2012			
03/01/2011	33.67	4341.33	0.17
03/03/2010	33.84	4341.16	-0.21

**Construction Information**

Surface Elevation (ft): 4375.00  
 Well Depth (ft): 115.00  
 Depth to Base of Grout (ft):  
 Depth to Top of Perforated Casing (ft): 35  
 Depth to Bottom of Perforated Casing (ft): 115  
 Source Aquifer(s): QUATERNARY ALLUVIUM

**Well Measurement Summary**

Start Date: 03/28/1957    End Date: 02/26/2019  
 Number of Measurements: 27





**GROUNDWATER DETAILS**

**Well Name:** CC-08  
**Permit Number:** 21958-FP  
**WDID:**  
**Data Source:** DWR

**Location Number:** SB00305421CBB  
**USGS Site ID:**  
**Applicant/Contact:** SPENCE RULE

**Physical Location**

Dist N/S	Dist E/W	Q10	Q40	Q160	Sec	Township	Range	PM	UTMx	UTMy	Location Accuracy
3531 N	416 W	NW	NW	SW	21	3.0 N	54.0 W	S	633275.9	4452217.0	GPS

Division: 1                  District: 1  
 County: WASHINGTON  
 Designated Basin: CAMP CREEK  
 Management District:

**Ten Most Recent Readings**

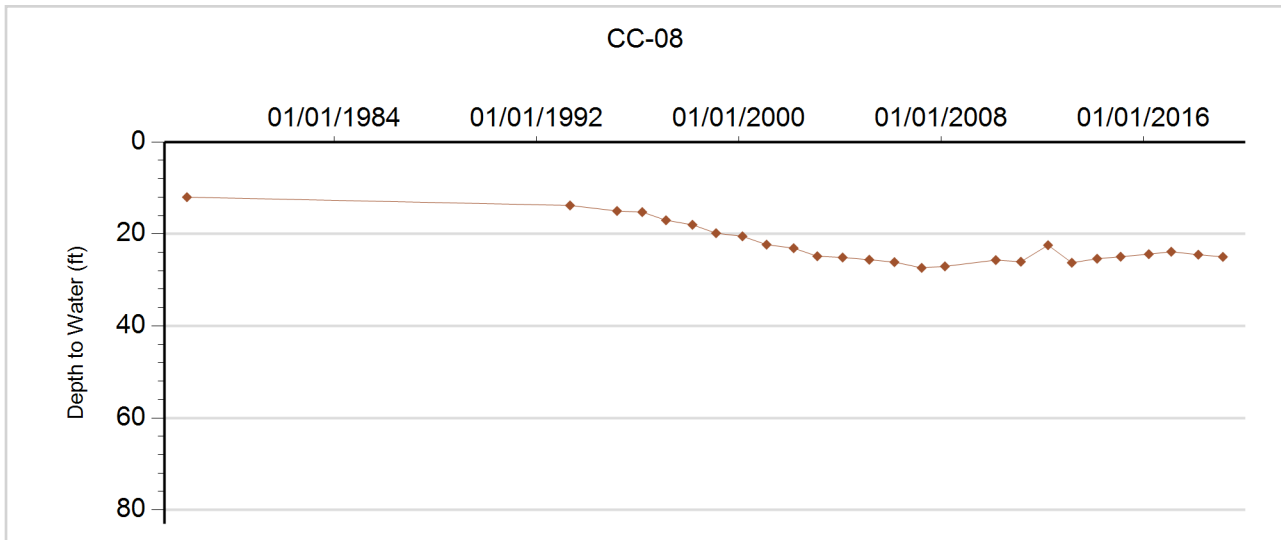
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
02/26/2019	24.98	4358.02	-0.48
03/08/2018	24.50	4358.50	-0.64
02/10/2017	23.86	4359.14	0.53
03/22/2016	24.39	4358.61	0.56
02/09/2015	24.95	4358.05	0.43
03/06/2014	25.38	4357.62	0.87
03/06/2013	26.25	4356.75	-3.81
03/28/2012	22.44	4360.56	3.60
03/01/2011	26.04	4356.96	-0.36
03/03/2010	25.68	4357.32	1.37

**Construction Information**

Surface Elevation (ft): 4383.00  
 Well Depth (ft): 83.00  
 Depth to Base of Grout (ft):  
 Depth to Top of Perforated Casing (ft): 27  
 Depth to Bottom of Perforated Casing (ft): 83  
 Source Aquifer(s): QUATERNARY ALLUVIUM

**Well Measurement Summary**

Start Date: 03/04/1978    End Date: 02/26/2019  
 Number of Measurements: 26





**GROUNDWATER DETAILS**

**Well Name:** CC-09  
**Permit Number:** 15356-FP  
**WDID:**  
**Data Source:** DWR

**Location Number:** SB00305417BCC  
**USGS Site ID:**  
**Applicant/Contact:** SPENCE RULE

**Physical Location**

Dist N/S	Dist E/W	Q10	Q40	Q160	Sec	Township	Range	PM	UTMx	UTMy	Location Accuracy
2990 S	719 W	SW	SW	NW	17	3.0 N	54.0 W	S	631702.0	4454182.0	GPS

Division: 1      District: 1  
 County: WASHINGTON  
 Designated Basin: CAMP CREEK  
 Management District:

**Ten Most Recent Readings**

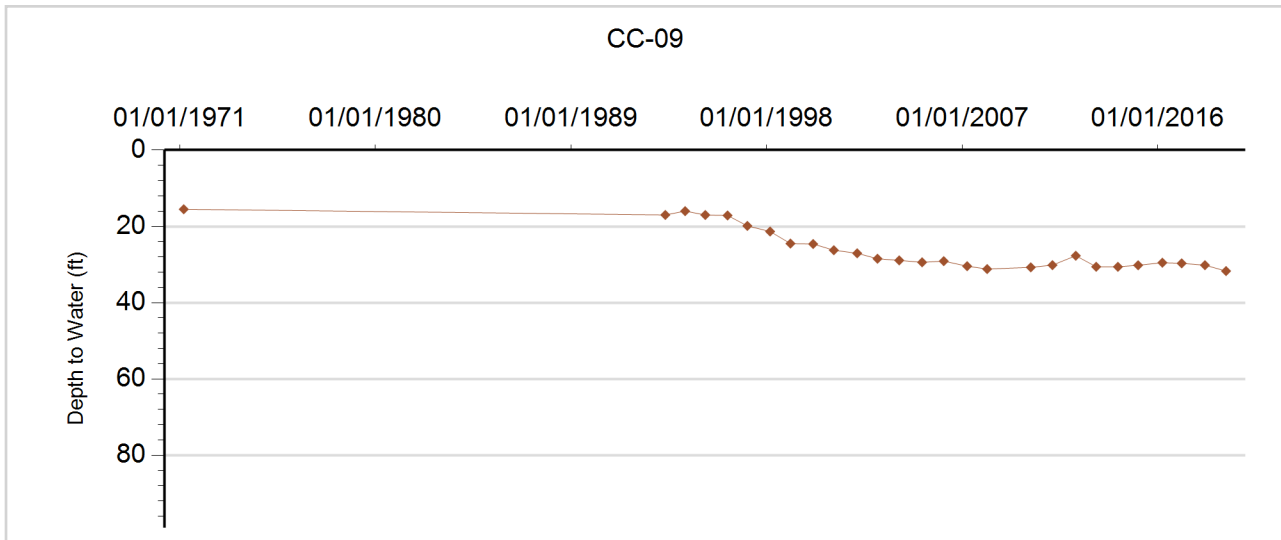
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
02/26/2019	31.71	4334.29	-1.54
03/08/2018	30.17	4335.83	-0.49
02/10/2017	29.68	4336.32	-0.17
03/22/2016	29.51	4336.49	0.68
02/09/2015	30.19	4335.81	0.41
03/06/2014	30.60	4335.40	-0.02
03/06/2013	30.58	4335.42	-2.89
03/28/2012	27.69	4338.31	2.46
03/01/2011	30.15	4335.85	0.58
03/03/2010	30.73	4335.27	0.45

**Construction Information**

Surface Elevation (ft): 4366.00  
 Well Depth (ft): 99.00  
 Depth to Base of Grout (ft): 10  
 Depth to Top of Perforated Casing (ft): 34  
 Depth to Bottom of Perforated Casing (ft): 99  
 Source Aquifer(s): QUATERNARY ALLUVIUM

**Well Measurement Summary**

Start Date: 03/08/1971    End Date: 02/26/2019  
 Number of Measurements: 27





**GROUNDWATER DETAILS**

**Well Name:** CC-10  
**Permit Number:** 21217-F  
**WDID:**  
**Data Source:** DWR

**Location Number:** SB00305407BBB  
**USGS Site ID:**  
**Applicant/Contact:** HARRY BOLINGER

**Physical Location**

Dist N/S	Dist E/W	Q10	Q40	Q160	Sec	Township	Range	PM	UTMx	UTMy	Location Accuracy
23 S	59 W	NW	SW	SW	6	3.0 N	54.0 W	S	629969.1	4456400.4	GPS

Division: 1                  District: 1  
 County: WASHINGTON  
 Designated Basin: CAMP CREEK  
 Management District:

**Ten Most Recent Readings**

Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
02/26/2019			
03/08/2018			
02/10/2017			
03/22/2016			
02/09/2015	31.58	4296.42	1.11
03/07/2014	32.69	4295.31	0.00
03/06/2014	32.69	4295.31	-0.37
03/06/2013	32.32	4295.68	-2.35
03/28/2012	29.97	4298.03	-0.01
03/01/2011	29.96	4298.04	-0.21

**Construction Information**

Surface Elevation (ft): 4328.00  
 Well Depth (ft): 126.00  
 Depth to Base of Grout (ft): 10  
 Depth to Top of Perforated Casing (ft): 41  
 Depth to Bottom of Perforated Casing (ft): 126  
 Source Aquifer(s): QUATERNARY ALLUVIUM

**Well Measurement Summary**

Start Date: 08/31/1976    End Date: 02/26/2019  
 Number of Measurements: 28

