

**GROUND WATER LEVELS
CAMP CREEK
DESIGNATED GROUND WATER BASIN**

2012



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**CAMP CREEK DESIGNATED GROUND WATER BASIN
WATER LEVEL MEASUREMENTS
2012**

This report contains the basic ground water level data collected from wells in the Camp Creek Designated Ground Water Basin during the period from 1993 through 2012. Acquisition and publication of this information is a cooperative effort between the Camp Creek Ground Water Management District and the Colorado Division of Water Resources. The project is part of a statewide ground water 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 ten wells. The locations of those wells in 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. Eight wells were measured on March 28, 2012. Depth to groundwater, below land surface, ranged from 14 to 29 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.

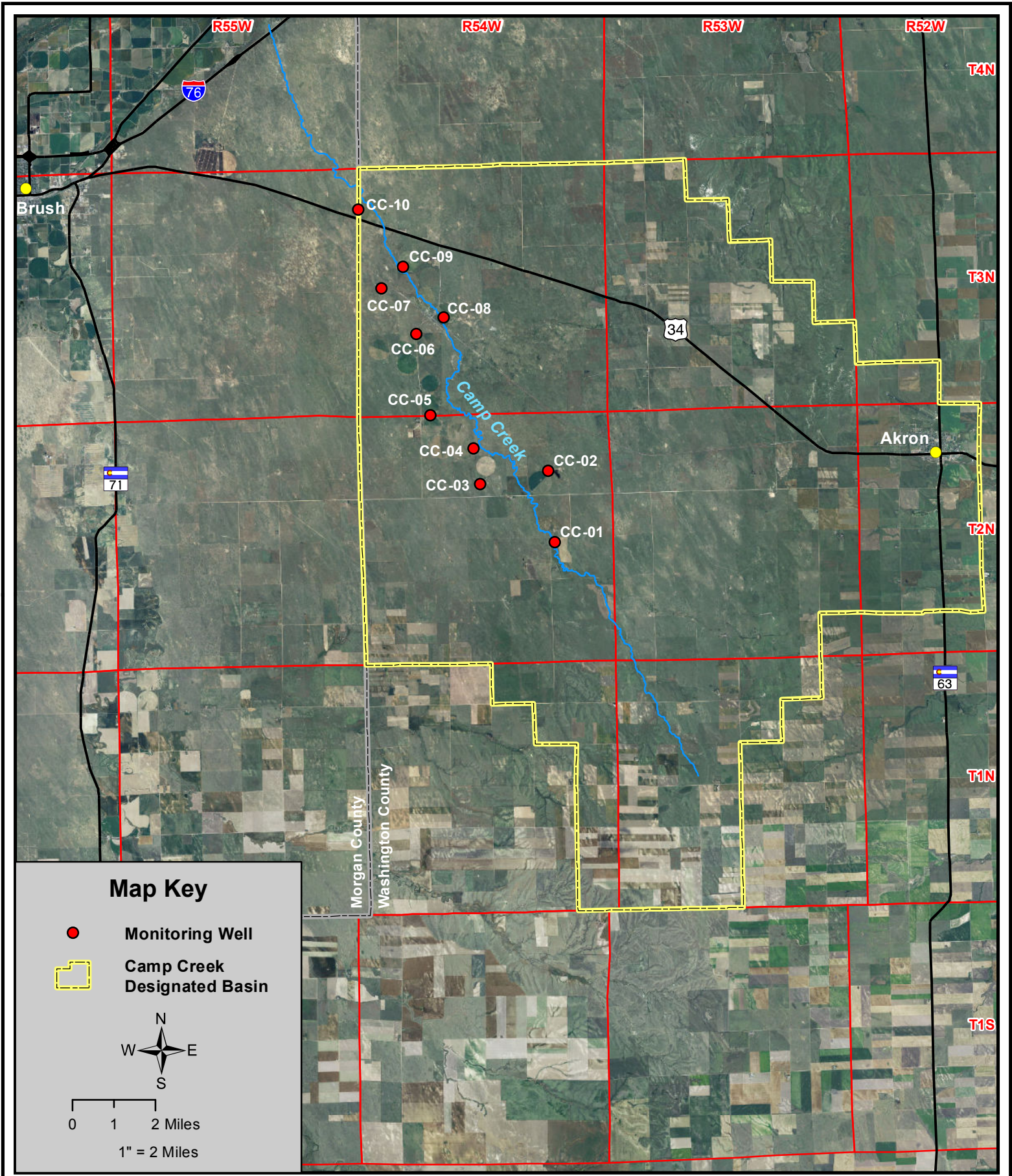
Pre-1993 water level information has also been included where available. The pre-1993 data is generally taken from well completion reports or pump installation reports submitted by drilling or pump installation contractors at the time the well was constructed or a permanent pump installed.

The wells in this report are listed by township, range and section, beginning at the north end of the basin and proceeding south. 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.

On average, ground water levels in wells measured by the Division of Water Resources have declined by approximately three feet over the last ten-year period. Over the past five-year period, however, average groundwater levels have risen by approximately 0.5 feet, and were up from last year's average by 0.6 feet.

Copies of this report can be purchased from the Office of the State Engineer, Records Section, 1313 Sherman St., Room 821, Denver, CO 80203, (303) 866-3581. Additionally, digital versions of this report, in Adobe PDF format, may be viewed or downloaded from the Division's website, <http://water.state.co.us/groundwater/Pages/HydroGeo.aspx>. The data may be accessed on the internet at the Colorado Decision Support System website <http://cdss.state.co.us> and can be exported to in number of different formats.

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State of Colorado -- Division of Water Resources

Camp Creek Designated Basin Monitoring Well Network

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CAMP CREEK

Well Name: CAMP CREEK - 10

Permit #: 21217 - F - **Location #:** SB00305407BBB **USGS Site ID:**
Division: 1 **Water District:** 1 **County:** WASHINGTON
Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
 NW NW NW 7 3 N 54 W S **From N/S line:** 30 N **From E/W line:** 90 W
UTM Coordinates (NAD83): **Northing (UTM y):** 4456400.4 **Easting (UTM x):** 629969.1 *GPS*
Latitude/Longitude (decimal degrees): 40.247974 -103.471883
Surface Elevation (ft): 4328 **Owner:** HARRY BOLINGER
Well depth (ft): 126 **Address:**
Aquifer(s): QUATERNARY ALLUVIUM

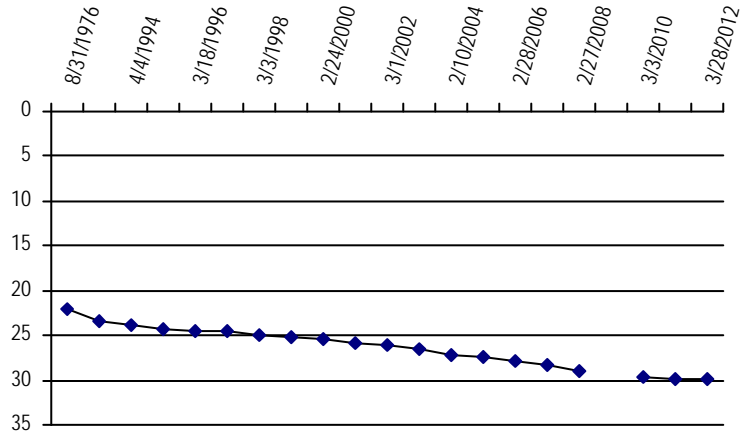
Water Level Measurements

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
8/31/1976	22.00	4306.00	
4/29/1993	23.43	4304.57	-1.43
4/4/1994	23.76	4304.24	-0.33
3/10/1995	24.20	4303.80	-0.44
3/18/1996	24.58	4303.42	-0.38
2/14/1997	24.60	4303.40	-0.02
3/3/1998	24.91	4303.09	-0.31
2/8/1999	25.09	4302.91	-0.18
2/24/2000	25.42	4302.58	-0.33
2/6/2001	25.81	4302.19	-0.39
3/1/2002	26.10	4301.90	-0.29
2/10/2003	26.43	4301.57	-0.33
2/10/2004	27.13	4300.87	-0.70
3/2/2005	27.39	4300.61	-0.26
2/28/2006	27.84	4300.16	-0.45
3/28/2007	28.34	4299.66	-0.50
2/27/2008	29.02	4298.98	-0.68
1/1/2009			
3/3/2010	29.75	4298.25	
3/1/2011	29.96	4298.04	-0.21
3/28/2012	29.97	4298.03	-0.01

Water Level Change

1 year: -0.01
5 year: -1.63
10 year: -3.87

All Measurements



CAMP CREEK

Well Name: CAMP CREEK - 9

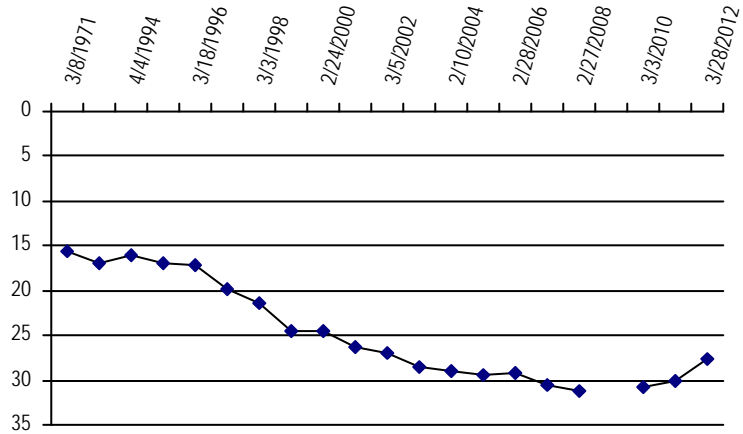
Permit #: 15356 - F - Location #: SB00305417BCC USGS Site ID:
Division: 1 Water District: 1 County: WASHINGTON
Location: Q160 Q40 Q10 Section Twtnshp Range PM Distance from section lines:
NW SW SW 17 3 N 54 W S From N/S line: 2500 N From E/W line: 620 W
UTM Coordinates (NAD83): Northing (UTM y): 4454178.4 Easting (UTM x): 631687.1 GPS
Latitude/Longitude (decimal degrees): 40.227694 -103.452147
Surface Elevation (ft): 4340 Owner: SPENCE RULE
Well depth (ft): 99 Address: 600 WCR21
Aquifer(s): QUATERNARY ALLUVIUM
BRIGHTON, CO 80601 CO 80601

Water Level Measurements

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
3/8/1971	15.50	4324.50	
5/7/1993	16.99	4323.01	-1.49
4/4/1994	15.99	4324.01	1.00
3/10/1995	17.00	4323.00	-1.01
3/18/1996	17.13	4322.87	-0.13
2/14/1997	19.87	4320.13	-2.74
3/3/1998	21.34	4318.66	-1.47
2/8/1999	24.50	4315.50	-3.16
2/24/2000	24.61	4315.39	-0.11
2/6/2001	26.24	4313.76	-1.63
3/5/2002	27.05	4312.95	-0.81
2/10/2003	28.48	4311.52	-1.43
2/10/2004	28.91	4311.09	-0.43
3/2/2005	29.41	4310.59	-0.50
2/28/2006	29.11	4310.89	0.30
3/28/2007	30.43	4309.57	-1.32
2/27/2008	31.18	4308.82	-0.75
1/1/2009			
3/3/2010	30.73	4309.27	
3/1/2011	30.15	4309.85	0.58
3/28/2012	27.69	4312.31	2.46

Water Level Change

1 year: 2.46
5 year: 2.74
10 year: -0.64

All Measurements

CAMP CREEK

Well Name: CAMP CREEK - 7

Permit #: 21077 - S - **Location #:** SB00305418DCC **USGS Site ID:**
Division: 1 **Water District:** 1 **County:** WASHINGTON
Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
 SE SW SW 18 3 N 54 W S **From N/S line:** 370 S **From E/W line:** 2040 E
UTM Coordinates (NAD83): **Northing (UTM y):** 4453344.5 **Easting (UTM x):** 630876.1 *GPS*
Latitude/Longitude (decimal degrees): 40.220310 -103.461846
Surface Elevation (ft): 4355 **Owner:** VAUGHEY & VAUGHEY
Well depth (ft): 115 **Address:**
Aquifer(s): QUATERNARY ALLUVIUM

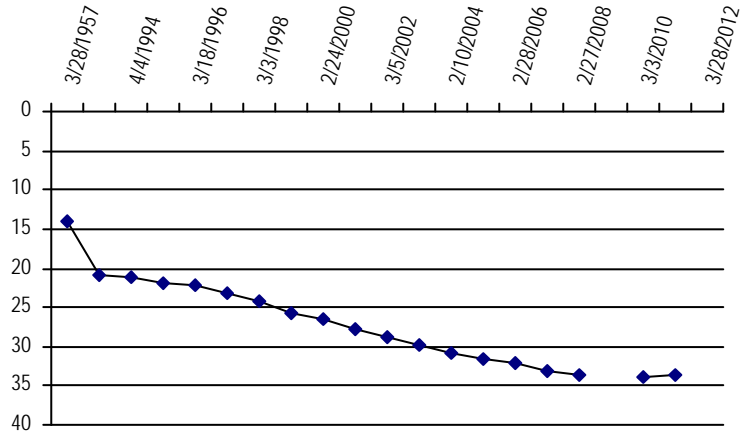
Water Level Measurements

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
3/28/1957	14.00	4341.00	
4/30/1993	20.95	4334.05	-6.95
4/4/1994	21.27	4333.73	-0.32
3/10/1995	21.80	4333.20	-0.53
3/18/1996	22.26	4332.74	-0.46
2/14/1997	23.28	4331.72	-1.02
3/3/1998	24.22	4330.78	-0.94
2/8/1999	25.61	4329.39	-1.39
2/24/2000	26.53	4328.47	-0.92
2/6/2001	27.81	4327.19	-1.28
3/5/2002	28.68	4326.32	-0.87
2/10/2003	29.81	4325.19	-1.13
2/10/2004	30.72	4324.28	-0.91
3/2/2005	31.54	4323.46	-0.82
2/28/2006	32.13	4322.87	-0.59
3/28/2007	33.00	4322.00	-0.87
2/27/2008	33.63	4321.37	-0.63
1/1/2009			
3/3/2010	33.84	4321.16	
3/1/2011	33.67	4321.33	0.17
3/28/2012			

Water Level Change

1 year:
5 year:
10 year:

All Measurements



CAMP CREEK

Well Name: CAMP CREEK - 8

Permit #: 21958 - F - **Location #:** SB00305421CBB **USGS Site ID:**
Division: 1 **Water District:** 1 **County:** WASHINGTON
Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
 SW NW NW 21 3 N 54 W S **From N/S line:** 1800 S **From E/W line:** 420 W
UTM Coordinates (NAD83): **Northing (UTM y):** 4452214.5 **Easting (UTM x):** 633269.1 *GPS*
Latitude/Longitude (decimal degrees): 40.209756 -103.433966
Surface Elevation (ft): 4363 **Owner:** SPENCE RULE
Well depth (ft): 83 **Address:** 600 WCR21
Aquifer(s): QUATERNARY ALLUVIUM
BRIGHTON, CO 80601 CO 80601

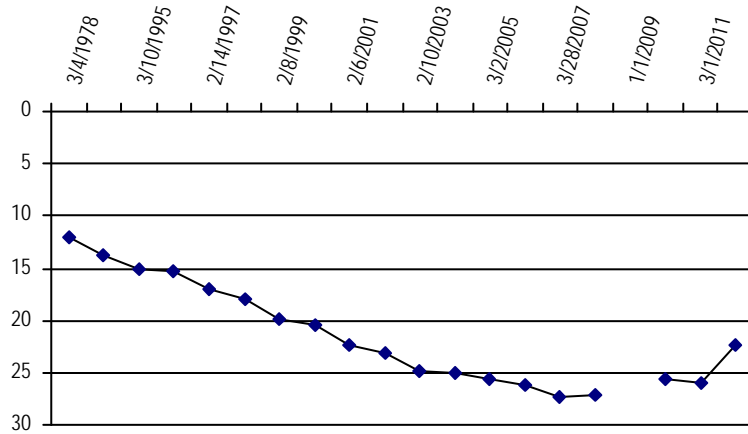
Water Level Measurements

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
3/4/1978	12.00	4351.00	
4/30/1993	13.80	4349.20	-1.80
3/10/1995	15.00	4348.00	-1.20
3/8/1996	15.24	4347.76	-0.24
2/14/1997	17.02	4345.98	-1.78
3/3/1998	18.00	4345.00	-0.98
2/8/1999	19.83	4343.17	-1.83
2/24/2000	20.51	4342.49	-0.68
2/6/2001	22.32	4340.68	-1.81
3/5/2002	23.09	4339.91	-0.77
2/10/2003	24.84	4338.16	-1.75
2/10/2004	25.11	4337.89	-0.27
3/2/2005	25.60	4337.40	-0.49
2/28/2006	26.12	4336.88	-0.52
3/28/2007	27.37	4335.63	-1.25
2/27/2008	27.05	4335.95	0.32
1/1/2009			
3/3/2010	25.68	4337.32	
3/1/2011	26.04	4336.96	-0.36
3/28/2012	22.44	4340.56	3.60

Water Level Change

1 year: 3.60
5 year: 4.93
10 year: 0.65

All Measurements



CAMP CREEK

Well Name: CAMP CREEK - 6

Permit #: 19966 - F - Location #: SB00305429BAA USGS Site ID:

Division: 1 Water District: 1 County: WASHINGTON

Location: Q160 Q40 Q10 Section Twtnshp Range PM Distance from section lines:
 NW NE NE 29 3 N 54 W S From N/S line: 110 N From E/W line: 2290 W

UTM Coordinates (NAD83): Northing (UTM y): 4451589.5 Easting (UTM x): 632211.1 GPS
 Latitude/Longitude (decimal degrees): 40.204295 -103.446522

Surface Elevation (ft): 4370 Owner: SPENCE RULE
 Well depth (ft): 99 Address: 600 WELD COUNTY ROAD 21
 Aquifer(s): QUATERNARY ALLUVIUM

BRIGHTON, CO 80603 CO 80603

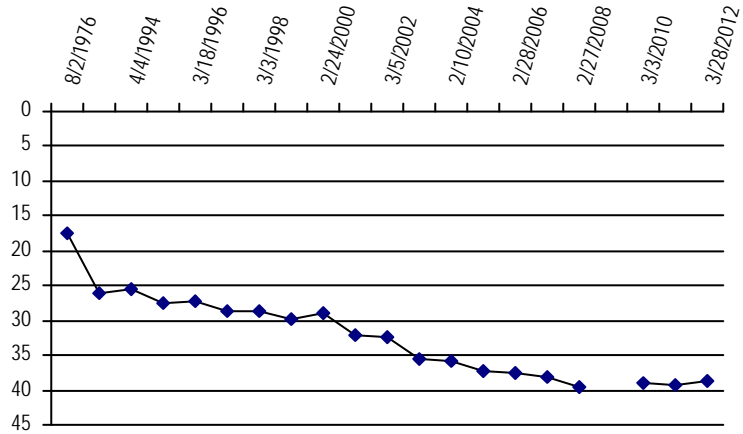
Water Level Measurements

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
8/2/1976	17.50	4352.50	
4/29/1993	26.00	4344.00	-8.50
4/4/1994	25.55	4344.45	0.45
3/10/1995	27.65	4342.35	-2.10
3/18/1996	27.25	4342.75	0.40
2/14/1997	28.66	4341.34	-1.41
3/3/1998	28.79	4341.21	-0.13
2/8/1999	29.88	4340.12	-1.09
2/24/2000	29.06	4340.94	0.82
2/6/2001	32.15	4337.85	-3.09
3/5/2002	32.46	4337.54	-0.31
2/10/2003	35.59	4334.41	-3.13
2/10/2004	35.92	4334.08	-0.33
3/2/2005	37.14	4332.86	-1.22
2/28/2006	37.54	4332.46	-0.40
3/28/2007	38.23	4331.77	-0.69
2/27/2008	39.62	4330.38	-1.39
1/1/2009			
3/3/2010	38.94	4331.06	
3/1/2011	39.20	4330.80	-0.26
3/28/2012	38.61	4331.39	0.59

Water Level Change

1 year: 0.59
5 year: -0.38
10 year: -6.15

All Measurements



CAMP CREEK

Well Name: CAMP CREEK - 5

Permit #: 25969 - F - Location #: SB00205405ABB USGS Site ID:

Division: 1 Water District: 1 County: WASHINGTON
 Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
 NE NW NW 5 2 N 54 W S From N/S line: 20 N From E/W line: 1310 E

UTM Coordinates (NAD83): Northing (UTM y): 4448422.5 Easting (UTM x): 632777.1 GPS
 Latitude/Longitude (decimal degrees): 40.175683 -103.440528

Surface Elevation (ft): 4405 Owner: SPENCE RULE
 Well depth (ft): 92 Address: 600 WELD COUNTY ROAD 21
 Aquifer(s): QUATERNARY ALLUVIUM
 BRIGHTON, CO 80603 CO 80603

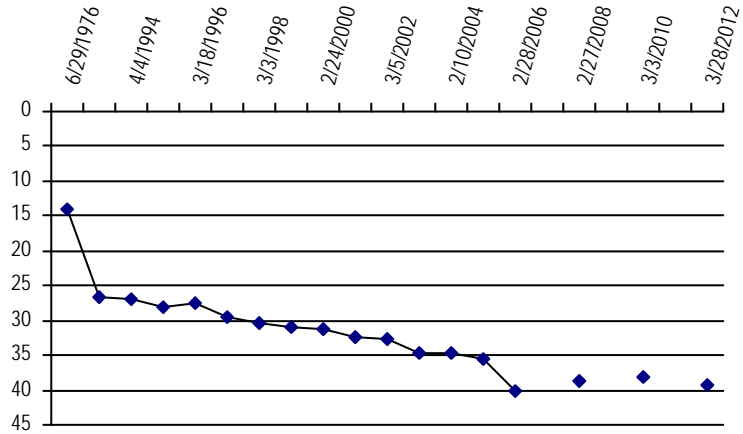
Water Level Measurements

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
6/29/1976	14.00	4391.00	
4/29/1993	26.55	4378.45	-12.55
4/4/1994	26.98	4378.02	-0.43
3/10/1995	27.95	4377.05	-0.97
3/18/1996	27.51	4377.49	0.44
2/14/1997	29.53	4375.47	-2.02
3/3/1998	30.25	4374.75	-0.72
2/8/1999	31.02	4373.98	-0.77
2/24/2000	31.32	4373.68	-0.30
2/6/2001	32.28	4372.72	-0.96
3/5/2002	32.79	4372.21	-0.51
2/10/2003	34.63	4370.37	-1.84
2/10/2004	34.62	4370.38	0.01
3/2/2005	35.55	4369.45	-0.93
2/28/2006	40.03	4364.97	-4.48
3/28/2007			
2/27/2008	38.65	4366.35	
1/1/2009			
3/3/2010	38.15	4366.85	
3/1/2011			
3/28/2012	39.27	4365.73	

Water Level Change

1 year:
5 year:
10 year: -6.48

All Measurements



CAMP CREEK

Well Name: CAMP CREEK - 4

Permit #: 19358 - F - **Location #:** SB00205404DDB **USGS Site ID:**
Division: 1 **Water District:** 1 **County:** WASHINGTON
Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
 SE SE NW 4 2 N 54 W S **From N/S line:** 930 S **From E/W line:** 1310 E
UTM Coordinates (NAD83): **Northing (UTM y):** 4447137.5 **Easting (UTM x):** 634443.1 *GPS*
Latitude/Longitude (decimal degrees): 40.163845 -103.421236
Surface Elevation (ft): 4420 **Owner:** SPENCE RULE
Well depth (ft): 83 **Address:**
Aquifer(s): QUATERNARY ALLUVIUM

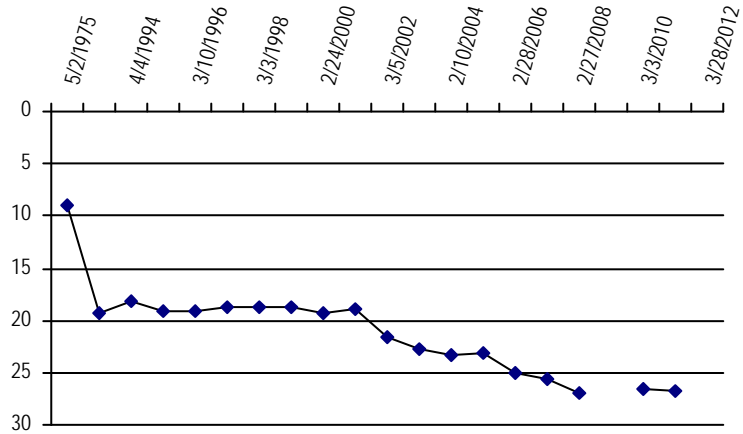
Water Level Measurements

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
5/2/1975	9.00	4411.00	
4/27/1993	19.35	4400.65	-10.35
4/4/1994	18.10	4401.90	1.25
3/10/1995	19.05	4400.95	-0.95
3/10/1996	19.15	4400.85	-0.10
2/14/1997	18.73	4401.27	0.42
3/3/1998	18.75	4401.25	-0.02
2/8/1999	18.73	4401.27	0.02
2/24/2000	19.27	4400.73	-0.54
2/6/2001	18.84	4401.16	0.43
3/5/2002	21.50	4398.50	-2.66
2/10/2003	22.70	4397.30	-1.20
2/10/2004	23.38	4396.62	-0.68
3/2/2005	23.03	4396.97	0.35
2/28/2006	25.01	4394.99	-1.98
3/28/2007	25.57	4394.43	-0.56
2/27/2008	26.90	4393.10	-1.33
1/1/2009			
3/3/2010	26.48	4393.52	
3/1/2011	26.69	4393.31	-0.21
3/28/2012			

Water Level Change

1 year:
5 year:
10 year:

All Measurements



CAMP CREEK

Well Name: CAMP CREEK - 2

Permit #: 2297 - F - Location #: SB00205411ACC USGS Site ID:
Division: 1 Water District: 1 County: WASHINGTON
Location: Q160 Q40 Q10 Section Twtnshp Range PM Distance from section lines:
NE SW SW 11 2 N 54 W S From N/S line: 2140 N From E/W line: 2550 E
UTM Coordinates (NAD83): Northing (UTM y): 4446264.5 Easting (UTM x): 637345.0 GPS
Latitude/Longitude (decimal degrees): 40.155513 -103.387357
Surface Elevation (ft): 4470 Owner: MARGARET GROOMS
Well depth (ft): 52 Address:
Aquifer(s): QUATERNARY ALLUVIUM

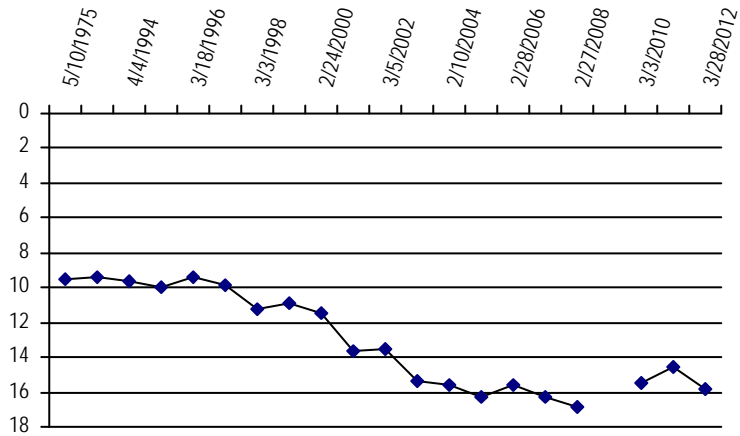
Water Level Measurements

Table with 4 columns: Date, Depth to WL (ft), Elev of WL (ft), Change (ft). Rows include dates from 5/10/1975 to 3/28/2012.

Water Level Change

1 year: -1.27
5 year: 0.45
10 year: -2.33

All Measurements



CAMP CREEK

Well Name: CAMP CREEK - 3

Permit #:	20791 - F -	Location #:	SB00205409DAD	USGS Site ID:	
Division:	1	Water District:	1	County:	WASHINGTON
Location:	Q160 Q40 Q10	Section	Twtnshp	Range	PM
	SE NE SE	9	2 N	54 W S	
Distance from section lines: From N/S line: 1690 S From E/W line: 680 E					
UTM Coordinates (NAD83):	Northing (UTM y):	4445757.5	Easting (UTM x):	634691.0	GPS
Latitude/Longitude (decimal degrees):		40.151377		-103.418613	
Surface Elevation (ft):	4435	Owner:	ED BASLER		
Well depth (ft):	82	Address:	15656 CR40		
Aquifer(s):	QUATERNARY ALLUVIUM				
			AKRON, CO 80720	CO	80720

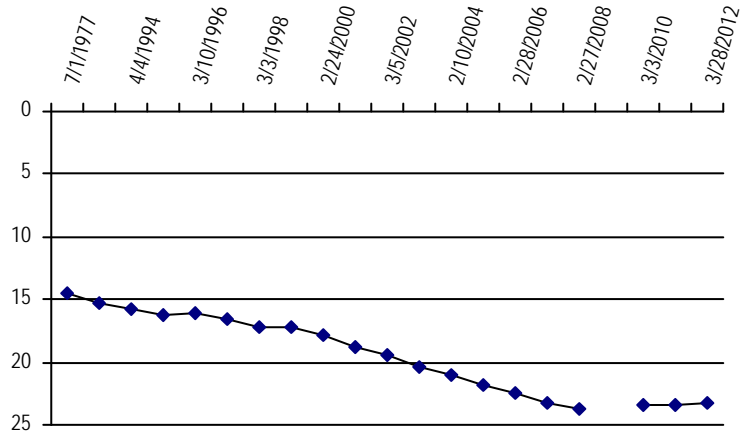
Water Level Measurements

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
7/1/1977	14.50	4420.50	
4/29/1993	15.24	4419.76	-0.74
4/4/1994	15.75	4419.25	-0.51
3/10/1995	16.20	4418.80	-0.45
3/10/1996	16.14	4418.86	0.06
2/14/1997	16.50	4418.50	-0.36
3/3/1998	17.20	4417.80	-0.70
2/8/1999	17.15	4417.85	0.05
2/24/2000	17.77	4417.23	-0.62
2/6/2001	18.85	4416.15	-1.08
3/5/2002	19.40	4415.60	-0.55
2/10/2003	20.42	4414.58	-1.02
2/10/2004	20.99	4414.01	-0.57
3/2/2005	21.87	4413.13	-0.88
2/28/2006	22.43	4412.57	-0.56
3/28/2007	23.25	4411.75	-0.82
2/27/2008	23.79	4411.21	-0.54
1/1/2009			
3/3/2010	23.34	4411.66	
3/1/2011	23.41	4411.59	-0.07
3/28/2012	23.21	4411.79	0.20

Water Level Change

1 year: 0.20
5 year: 0.04
10 year: -3.81

All Measurements



CAMP CREEK

Well Name: CAMP CREEK - 1

Permit #: 2804 - F - Location #: SB00205423ABB USGS Site ID:

Division: 1 Water District: 1 County: WASHINGTON
 Location: Q160 Q40 Q10 Section Twntshp Range PM Distance from section lines:
 NE NW NW 23 2 N 54 W S From N/S line: 720 N From E/W line: 2000 E

UTM Coordinates (NAD83): Northing (UTM y): 4443506.5 Easting (UTM x): 637601.0 GPS
 Latitude/Longitude (decimal degrees): 40.130633 -103.384941

Surface Elevation (ft): 4585 Owner: LEO & MARY ANN BASLER
 Well depth (ft): 53 Address: 361 ITEA AVE
 Aquifer(s): QUATERNARY ALLUVIUM AKRON, CO 80720 CO 80720

Water Level Measurements

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
10/17/1960	19.20	4565.80	
4/29/1993	19.20	4565.80	0.00
4/4/1994	19.40	4565.60	-0.20
3/10/1995	19.70	4565.30	-0.30
3/18/1996	19.29	4565.71	0.41
2/14/1997	20.03	4564.97	-0.74
3/3/1998	19.80	4565.20	0.23
2/8/1999	21.28	4563.72	-1.48
2/24/2000	21.77	4563.23	-0.49
2/6/2001	22.70	4562.30	-0.93
3/5/2002	21.08	4563.92	1.62
2/10/2003	15.54	4569.46	5.54
2/10/2004	15.57	4569.43	-0.03
3/1/2005	17.05	4567.95	-1.48
2/28/2006	15.87	4569.13	1.18
3/28/2007	16.10	4568.90	-0.23
2/27/2008	16.48	4568.52	-0.38
1/1/2009			
3/3/2010	14.74	4570.26	
3/1/2011	14.63	4570.37	0.11
3/28/2012	14.21	4570.79	0.42

Water Level Change

1 year: 0.42
5 year: 1.89
10 year: 6.87

All Measurements

