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

MARCH 2006



By
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**Bill Owens
Governor**

**Russell George
Director**

**Hal D. Simpson
State Engineer**

**Dave McElhaney
Project Manager**

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

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**COLORADO DEPARTMENT OF NATURAL RESOURCES
DIVISION OF WATER RESOURCES
OFFICE OF THE STATE ENGINEER**

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This report contains the basic ground water level data collected in the Camp Creek Designated Ground Water Basin during the period from April 1993 through February 2006. 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.

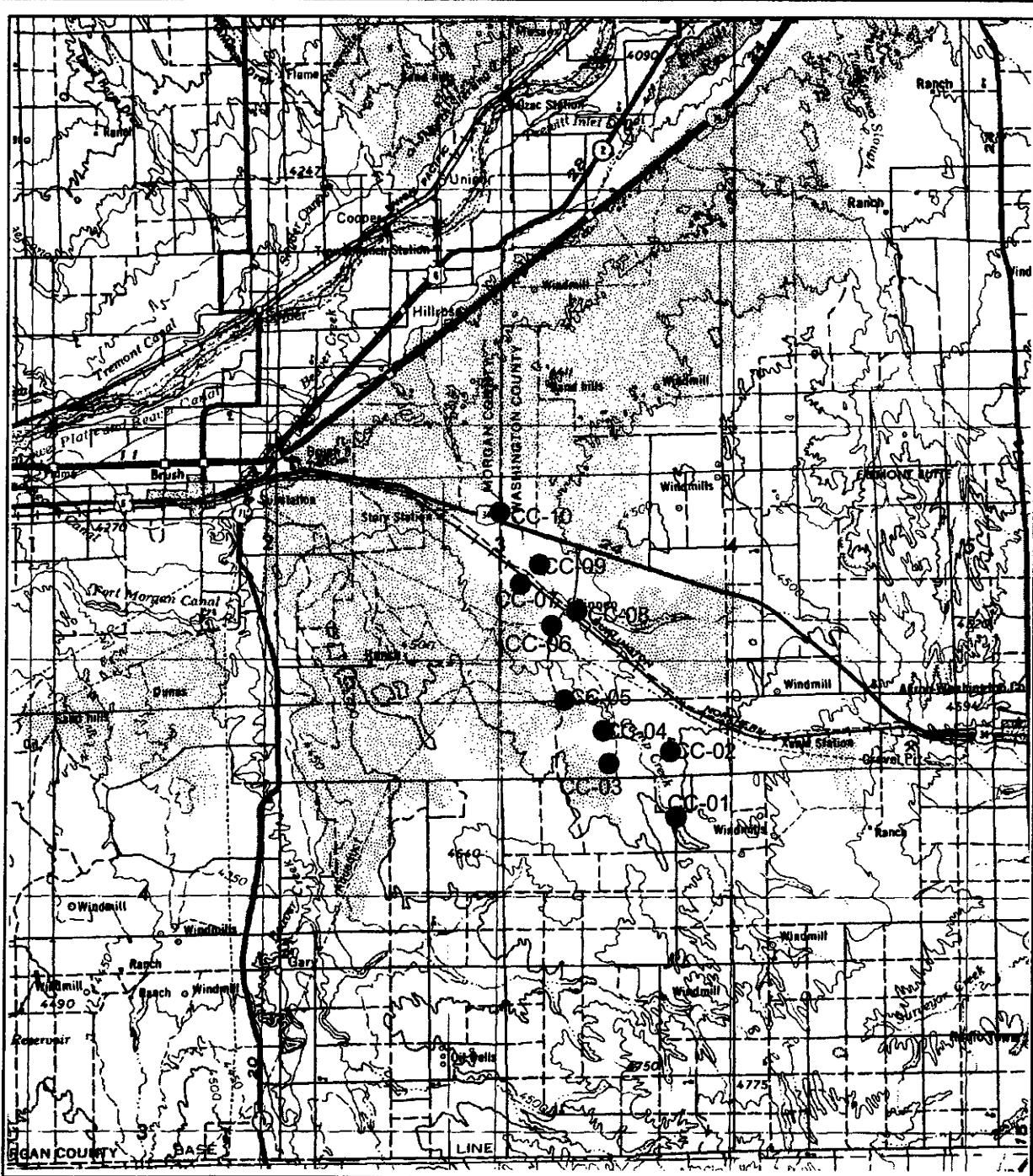
Acquisition and publication of this information is a cooperative effort between the Colorado Ground Water Commission and the Colorado Division of Water Resources. The project is part of a statewide ground water level-monitoring program funded by Senate Bill 200 (1987 legislative session). This legislation 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.

Water level data and hydrographs from 10 wells located in the Camp Creek Designated Ground Water Basin in Washington County are presented in this report. Water level measurements in these wells were made on February 28, 2006. All of the Camp Creek wells monitored are located in Townships 2 and 3 North, Range 54 West of the 6th P.M. A map is included with this report showing the locations of the wells.

For the 2005-06 period, water levels increased in three wells and declined in seven wells. On average, water levels declined by 0.68 feet. The change in water levels ranged from an increase of 0.67 feet in Camp Creek-2 to a maximum decline of -4.48 feet in Camp Creek-4. At Camp Creek-4 there was evidence that this well had been pumped immediately prior to being measured on February 28, 2006. For all ten wells, the average annual decline for the prior five years is -0.62 feet per year and for the previous ten years is -0.74 feet per year.

Copies of the report can be purchased from the Office of the State Engineer, Records Section, 1313 Sherman St., Room 821, Denver, CO 80203, (303) 866-3447. Additionally, this data may be accessed on the internet at the Colorado Decision Support System website <http://cdss.state.co.us> and can be exported to a number of different formats.

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Location of Monitoring Wells
Camp Creek Designated Ground Water Basin

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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 Township 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

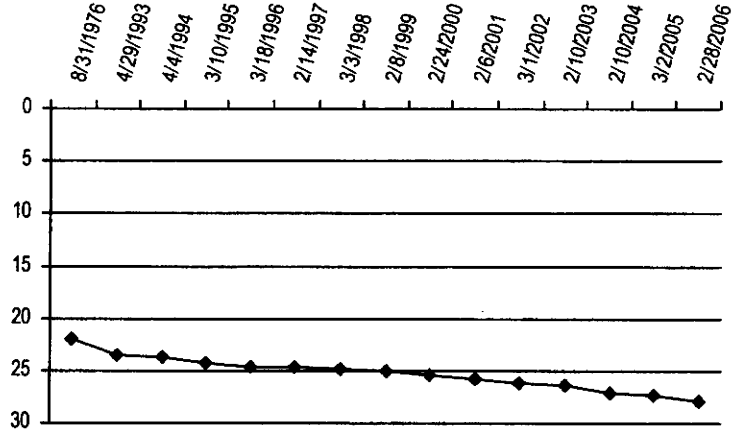
Water Level Measurements

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

Water Level Change

1 year: -0.45
5 year: -2.03
10 year: -3.26

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 **Twnshp** **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: DIAMOND TAIL RANCH

Well depth (ft): 99

Address:

Aquifer(s): QUATERNARY ALLUVIUM

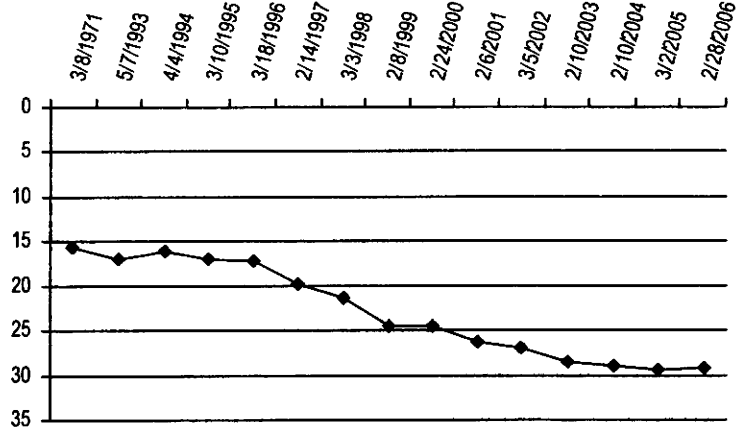
Water Level Measurements

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

Water Level Change

1 year: 0.30
5 year: -2.87
10 year: -11.98

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 Township 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

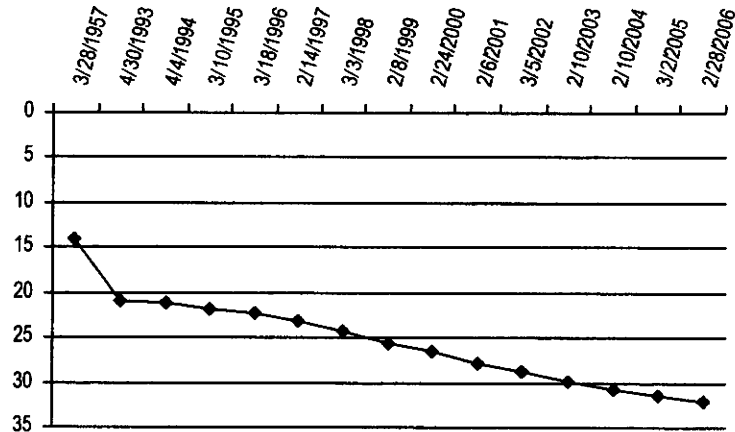
Water Level Measurements

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

Water Level Change

1 year: -0.59
5 year: -4.32
10 year: -9.87

All Measurements



CAMP CREEK

Well Name: CAMP CREEK - 8

Permit #: 2958 - F - Location #: SB00305421CBB USGS Site ID:

Division: 1 Water District: 1 County: WASHINGTON
 Location: Q160 Q40 Q10 Section Twtnshp 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: GENE T. MITCHEL
 Well depth (ft): 83 Address:
 Aquifer(s): QUATERNARY ALLUVIUM

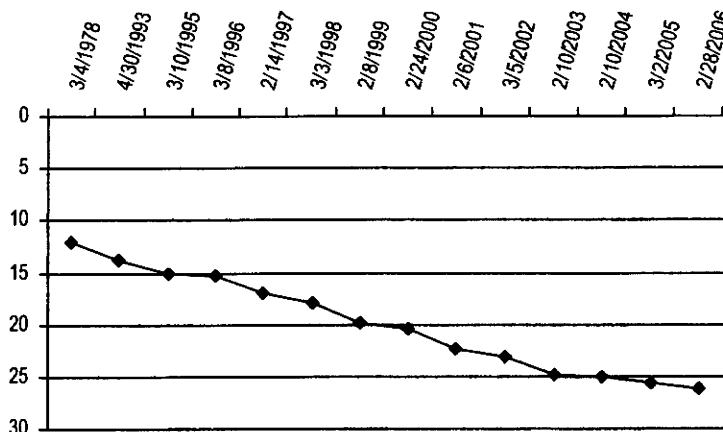
Water Level Measurements

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

Water Level Change

1 year: -0.52
5 year: -3.80
10 year: -10.88

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

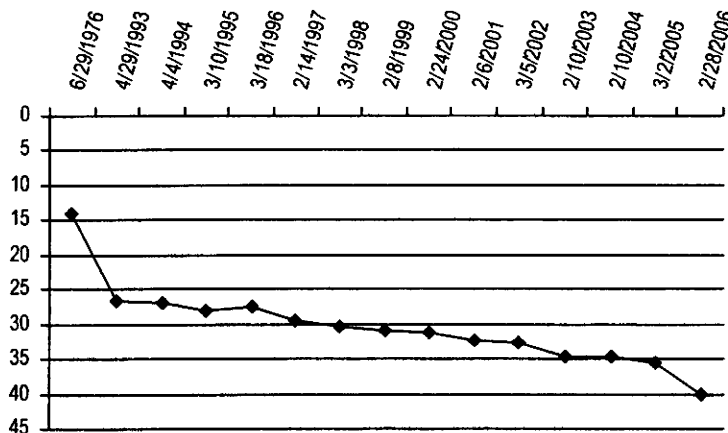
Water Level Change

1 year: -4.48

5 year: -7.75

10 year: -12.52

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

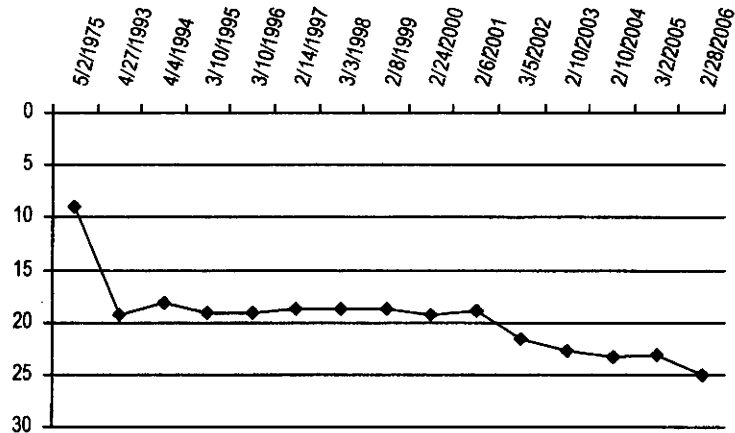
Water Level Measurements

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

Water Level Change

1 year: -1.98
5 year: -6.17
10 year: -5.86

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 Twnshp 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

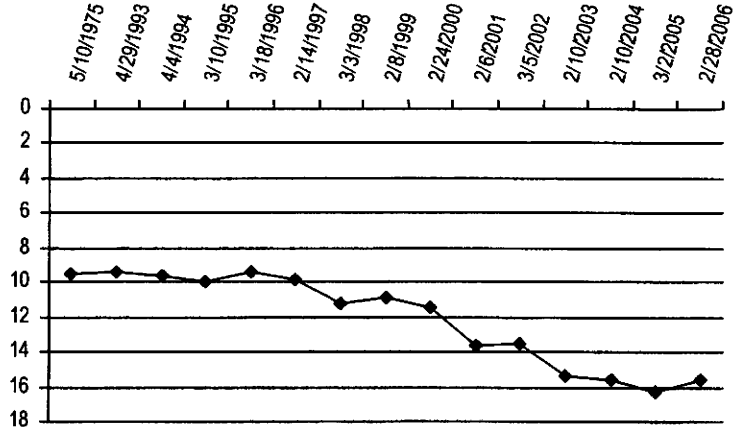
Water Level Measurements

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
5/10/1975	9.50	4460.50	
4/29/1993	9.35	4460.65	0.15
4/4/1994	9.65	4460.35	-0.30
3/10/1995	10.00	4460.00	-0.35
3/18/1996	9.43	4460.57	0.57
2/14/1997	9.89	4460.11	-0.46
3/3/1998	11.20	4458.80	-1.31
2/8/1999	10.93	4459.07	0.27
2/24/2000	11.47	4458.53	-0.54
2/6/2001	13.62	4456.38	-2.15
3/5/2002	13.54	4456.46	0.08
2/10/2003	15.36	4454.64	-1.82
2/10/2004	15.57	4454.43	-0.21
3/2/2005	16.29	4453.71	-0.72
2/28/2006	15.62	4454.38	0.67

Water Level Change

1 year: 0.67
5 year: -2.00
10 year: -6.19

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 Twndsp Range PM Distance from section lines:
 SE NE SE 9 2 N 54 W S 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:
 Aquifer(s): QUATERNARY ALLUVIUM

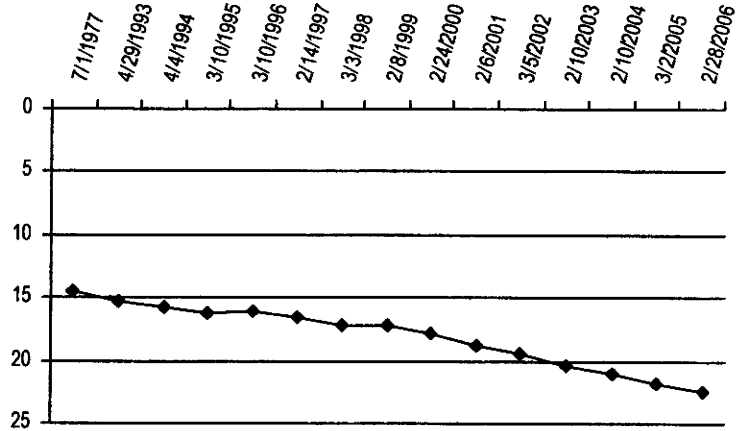
Water Level Measurements

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

Water Level Change

1 year: -0.56
 5 year: -3.58
 10 year: -6.29

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 Township 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:** WENICK HEREFORD RANCH

Well depth (ft): 53 **Address:**

Aquifer(s): QUATERNARY ALLUVIUM

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

Water Level Change

1 year: 1.18
5 year: 6.83
10 year: 3.42

All Measurements

