

**GROUND WATER LEVELS
in the
UPPER BLACK SQUIRREL CREEK
DESIGNATED GROUND WATER BASIN
2012**



by
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**UPPER BLACK SQUIRREL CREEK DESIGNATED GROUND WATER BASIN
WATER LEVEL MEASUREMENTS
2012**

This report contains the basic groundwater level data collected from wells in the Upper Black Squirrel Creek Designated Basin during the period from 2002 through 2012. Acquisition and publication of this information is a cooperative effort between the Upper Black Squirrel 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.

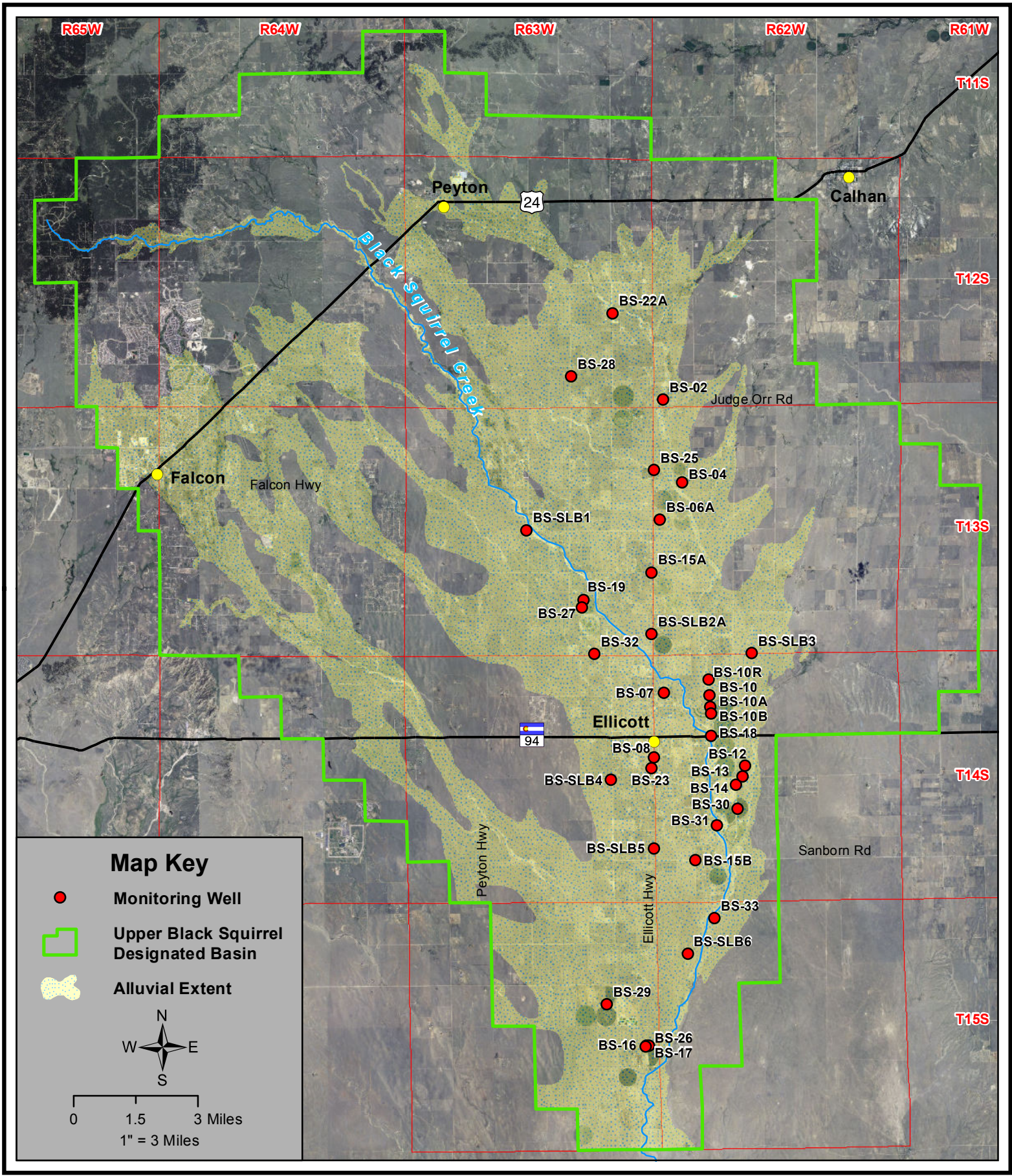
The report contains water level measurements for thirty-four wells. The locations of those wells and the extent of the alluvial aquifer are shown on the following map. Thirty wells were measured in 2012 on April 12th and 13th. Depth to groundwater, below land surface, ranged from 9 to 148 feet. Water levels in excess of 100 feet were only measured at three locations: BS-15A, BS-SLB4, and BS-SLB5.

The wells in this report are listed by township, range and section, beginning at the north end of the basin and proceeding south. Tabular data are presented for each well for the previous ten years. Graphical data are presented for the entire period of record. Analyses of changes in the water level in the aquifer are complicated by unknown pumping schedules. As the measurements made in 2012 were taken later in the spring than normal, some irrigation wells had been actively pumping.

Overall, ground water levels in wells measured by the Division of Water Resources declined approximately one foot from 2011 with increases in townships 13 and 15 south offset by declines in townships 12 and 14 south. Medium term, 5-year trends show declining water levels of 0.5 feet overall with increases in townships 13 and 15 south offset by declines in townships 12 and 14 south. Long term, 10-year trends, indicate an overall decline of 2.6 feet with long-term declines in every township except for 15 south.

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
**Upper Black Squirrel Creek Designated Basin
 Monitoring Well Network**

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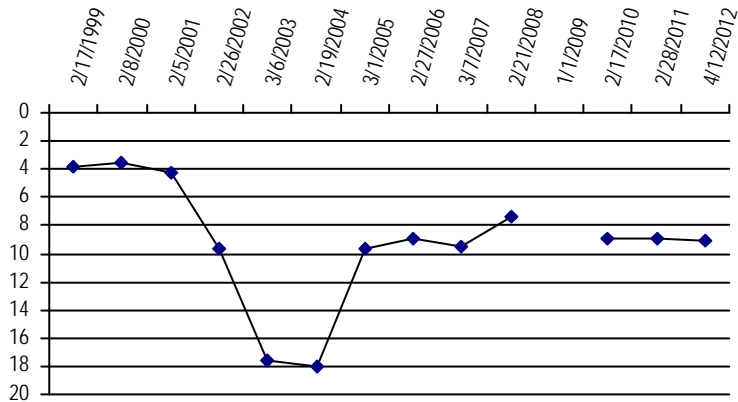
UPPER BLACK SQUIRREL

Well Name:	BS-22A	<i>Owner:</i> E N CASTANIEN	
<i>Permit #:</i>	40767 - -	<i>Location #:</i> SC 01206324CC	<i>USGS Site ID:</i>
<i>Division:</i>	2	<i>Water District:</i> 10	<i>County:</i> EL PASO
<i>Location:</i>	Q160 Q40 Q10 Section	Twnshp Range PM	Distance from section lines:
	SW SW 24 12 S 63 W S		<i>From N/S line:</i> <i>From E/W line:</i>
<i>UTM Coordinates (NAD83):</i>	<i>Northing (UTM y):</i> 4315474.8	<i>Easting (UTM x):</i> 551619.5	<i>GPS</i>
<i>Latitude/Longitude (decimal degrees):</i>	38.986747	-104.403989	
<i>Surface Elevation (ft):</i>	6491		Water Level Change
<i>Well depth (ft):</i>	110		1 year: -0.12
<i>Aquifer(s):</i>	QUATERNARY ALLUVIUM		5 year: 0.36
			10 year: 0.50

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/26/2002	9.60	6481.40	-5.30
3/6/2003	17.59	6473.41	-7.99
2/19/2004	17.96	6473.04	-0.37
3/1/2005	9.65	6481.35	8.31
2/27/2006	8.95	6482.05	0.70
3/7/2007	9.46	6481.54	-0.51
2/21/2008	7.33	6483.67	2.13
1/1/2009			
2/17/2010	8.89	6482.11	
2/28/2011	8.98	6482.02	-0.09
4/12/2012	9.10	6481.90	-0.12

All Historic Measurements

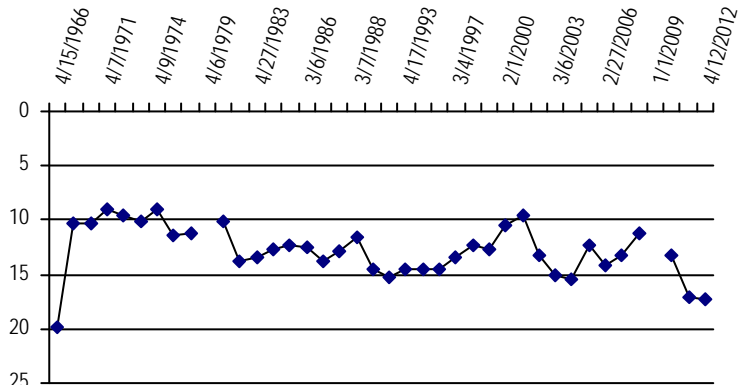


Well Name:	BS-02	<i>Owner:</i> LEONARD MAINQUIST	
<i>Permit #:</i>	13171 - RFP - R	<i>Location #:</i> SC01206231CD	<i>USGS Site ID:</i>
<i>Division:</i>	2	<i>Water District:</i> 10	<i>County:</i> EL PASO
<i>Location:</i>	Q160 Q40 Q10 Section	Twnshp Range PM	Distance from section lines:
	SW SE 31 12 S 62 W S		<i>From N/S line:</i> <i>From E/W line:</i>
<i>UTM Coordinates (NAD83):</i>	<i>Northing (UTM y):</i> 4312108.7	<i>Easting (UTM x):</i> 553588.5	<i>GPS</i>
<i>Latitude/Longitude (decimal degrees):</i>	38.956297	-104.381519	
<i>Surface Elevation (ft):</i>	6358		Water Level Change
<i>Well depth (ft):</i>	51		1 year: -0.32
<i>Aquifer(s):</i>	QUATERNARY ALLUVIUM		5 year: -4.09
			10 year: -4.03

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/26/2002	13.31	6344.69	-3.71
3/6/2003	15.12	6342.88	-1.81
2/19/2004	15.35	6342.65	-0.23
3/1/2005	12.38	6345.62	2.97
2/27/2006	14.13	6343.87	-1.75
3/7/2007	13.25	6344.75	0.88
2/21/2008	11.14	6346.86	2.11
1/1/2009			
2/17/2010	13.30	6344.70	
2/28/2011	17.02	6340.98	-3.72
4/12/2012	17.34	6340.66	-0.32

All Historic Measurements



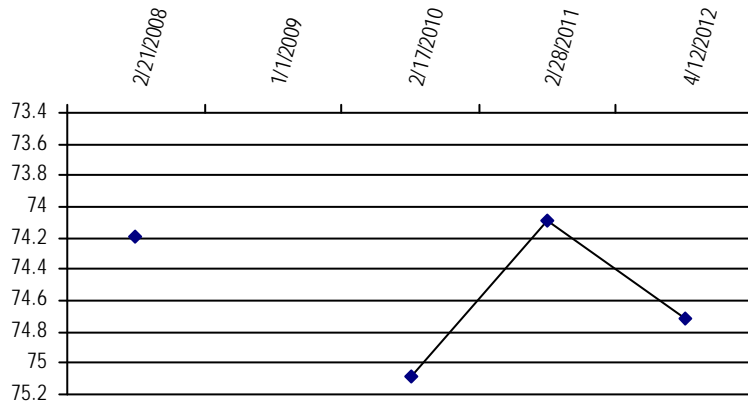
UPPER BLACK SQUIRREL

Well Name: **BS-28** **Owner:** ELDON BONTREGER
Permit #: 13962 - F - **Location #:** SC01206335BB **USGS Site ID:**
Division: 1 **Water District:** 10 **County:** EL PASO
Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
 NW NW 35 12 S 63 W S **From N/S line:** **From E/W line:**
UTM Coordinates (NAD83): **Northing (UTM y):** 4313012.0 **Easting (UTM x):** 550007.0 *GPS*
Latitude/Longitude (decimal degrees):
Surface Elevation (ft): 6492 **Water Level Change**
Well depth (ft): 170 **1 year:** -0.63
Aquifer(s): QUATERNARY ALLUVIUM **5 year:**
10 year:

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/21/2008	74.19	6417.81	
1/1/2009			
2/17/2010	75.09	6416.91	
2/28/2011	74.09	6417.91	1.00
4/12/2012	74.72	6417.28	-0.63

All Historic Measurements

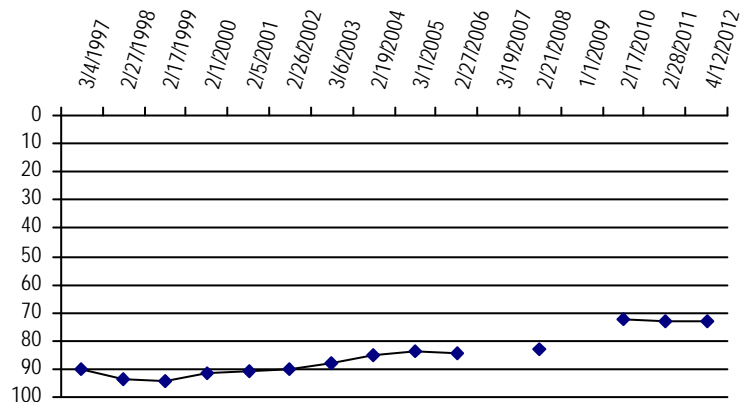


Well Name: **BS-25** **Owner:** DEAN GOSS
Permit #: 15389 - FP - **Location #:** SC01306207CB **USGS Site ID:**
Division: 2 **Water District:** 10 **County:** EL PASO
Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
 SW NW 7 13 S 62 W S **From N/S line:** **From E/W line:**
UTM Coordinates (NAD83): **Northing (UTM y):** 4309380.7 **Easting (UTM x):** 553250.5 *GPS*
Latitude/Longitude (decimal degrees): 38.931736 -104.385632
Surface Elevation (ft): 6283 **Water Level Change**
Well depth (ft): 160 **1 year:** -0.05
Aquifer(s): QUATERNARY ALLUVIUM **5 year:**
10 year: 17.13

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/26/2002	90.05	6192.95	0.95
3/6/2003	87.80	6195.20	2.25
2/19/2004	84.89	6198.11	2.91
3/1/2005	83.59	6199.41	1.30
2/27/2006	84.08	6198.92	-0.49
3/19/2007			
2/21/2008	82.87	6200.13	
1/1/2009			
2/17/2010	72.44	6210.56	
2/28/2011	72.87	6210.13	-0.43
4/12/2012	72.92	6210.08	-0.05

All Historic Measurements



UPPER BLACK SQUIRREL

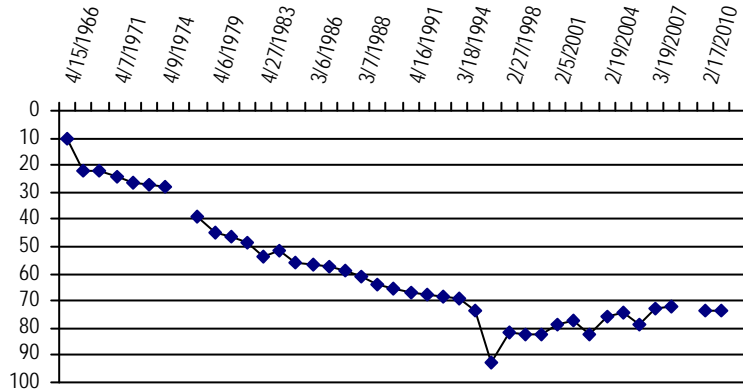
Well Name: **BS-04** **Owner:** DEAN GOSS
Permit #: 6100 - F - **Location #:** SC01306207DC **USGS Site ID:**
Division: 2 **Water District:** 10 **County:** EL PASO
Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
 SE SW 7 13 S 62 W S **From N/S line:** **From E/W line:**
UTM Coordinates (NAD83): **Northing (UTM y):** 4308902.7 **Easting (UTM x):** 554338.5 **GPS**
Latitude/Longitude (decimal degrees): 38.927362 -104.373118

Surface Elevation (ft): 6257 **Water Level Change**
Well depth (ft): 127 **1 year:**
Aquifer(s): QUATERNARY ALLUVIUM **5 year:**
10 year:

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/26/2002	76.85	6180.15	1.60
3/6/2003	82.10	6174.90	-5.25
2/19/2004	76.09	6180.91	6.01
3/1/2005	74.43	6182.57	1.66
2/27/2006	78.76	6178.24	-4.33
3/19/2007	72.91	6184.09	5.85
2/21/2008	72.05	6184.95	0.86
1/1/2009			
2/17/2010	73.64	6183.36	
2/28/2011	73.75	6183.25	-0.11
4/12/2012			

All Historic Measurements



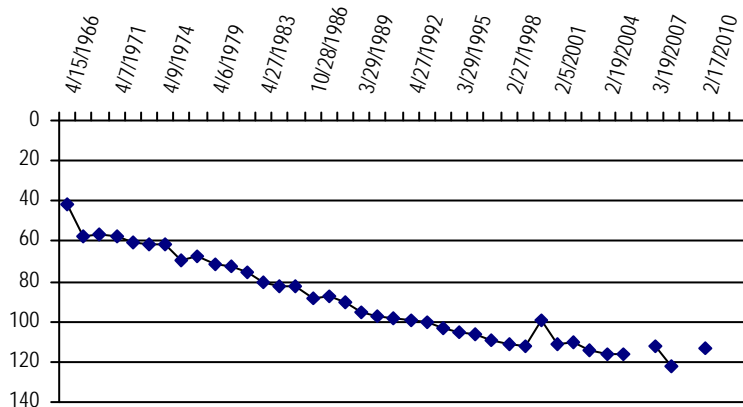
Well Name: **BS-06A** **Owner:** DEAN GOSS
Permit #: 11091 - FP - **Location #:** SC01306218CB **USGS Site ID:**
Division: 2 **Water District:** 10 **County:** EL PASO
Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
 SW NW 18 13 S 62 W S **From N/S line:** **From E/W line:**
UTM Coordinates (NAD83): **Northing (UTM y):** 4307440.7 **Easting (UTM x):** 553454.5 **GPS**
Latitude/Longitude (decimal degrees): 38.914242 -104.383430

Surface Elevation (ft): 6250 **Water Level Change**
Well depth (ft): 187 **1 year:**
Aquifer(s): QUATERNARY ALLUVIUM **5 year:**
10 year:

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/26/2002	110.42	6139.58	1.18
3/6/2003	114.20	6135.80	-3.78
2/19/2004	116.62	6133.38	-2.42
3/1/2005	116.26	6133.74	0.36
2/27/2006			
3/19/2007	112.60	6137.40	
2/21/2008	122.02	6127.98	-9.42
1/1/2009			
2/17/2010	113.10	6136.90	
2/28/2011			
4/12/2012			

All Historic Measurements



UPPER BLACK SQUIRREL

Well Name: **BS-SLB1** **Owner:** COLORADO STATE LAND BOARD
Permit #: 277308 - **Location #:** SC01306316DDD **USGS Site ID:**

Division: 2 **Water District:** **County:** EL PASO
Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
 SE SE SE 16 13 S 63 W S **From N/S line:** **From E/W line:**
UTM Coordinates (NAD83): **Northing (UTM y):** 4037040.0 **Easting (UTM x):** 548288.0 *GPS*
Latitude/Longitude (decimal degrees):

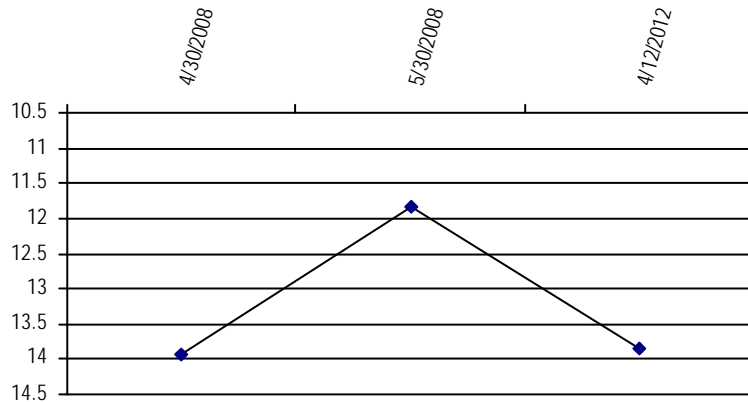
Surface Elevation (ft): 6343
Well depth (ft): 43
Aquifer(s): QUATERNARY ALLUVIUM

Water Level Change
1 year:
5 year:
10 year:

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
4/30/2008	13.94	6329.06	
5/30/2008	11.83	6331.17	2.11
4/12/2012	13.84	6329.16	-2.01

All Historic Measurements



Well Name: **BS-15A** **Owner:**
Permit #: 11799 - FP - **Location #:** SC01306325AA **USGS Site ID:**

Division: 2 **Water District:** 10 **County:** EL PASO
Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
 NE NE 25 13 S 63 W S **From N/S line:** **From E/W line:**
UTM Coordinates (NAD83): **Northing (UTM y):** 4305393.7 **Easting (UTM x):** 553138.5 *GPS*
Latitude/Longitude (decimal degrees): 38.895816 -104.387233

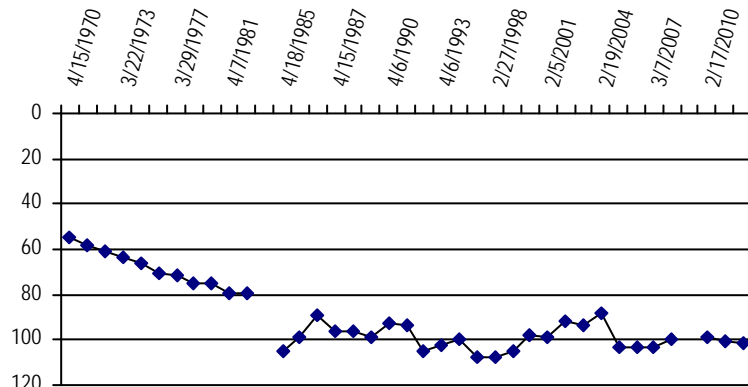
Surface Elevation (ft): 6200
Well depth (ft): 120
Aquifer(s): QUATERNARY ALLUVIUM

Water Level Change
1 year: -1.16
5 year: 1.40
10 year: -9.62

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/26/2002	92.08	6107.92	6.52
3/6/2003	93.78	6106.22	-1.70
2/19/2004	88.60	6111.40	5.18
3/1/2005	103.28	6096.72	-14.68
2/27/2006	103.11	6096.89	0.17
3/7/2007	103.10	6096.90	0.01
2/21/2008	99.52	6100.48	3.58
1/1/2009			
2/17/2010	99.03	6100.97	
2/28/2011	100.54	6099.46	-1.51
4/12/2012	101.70	6098.30	-1.16

All Historic Measurements



UPPER BLACK SQUIRREL

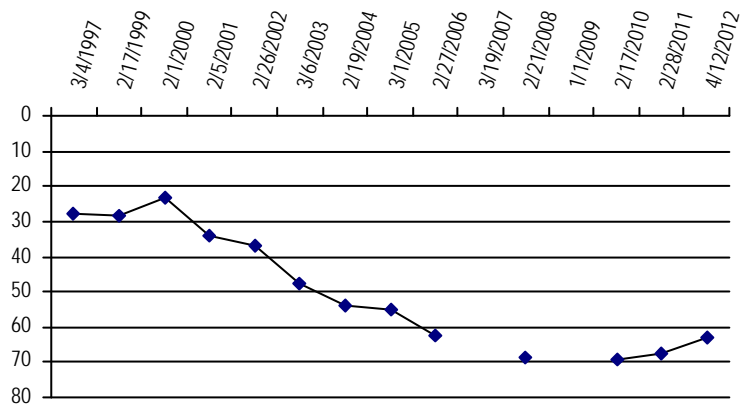
Well Name: **BS-19** **Owner:** DEAN GOSS
Permit #: 27567 - F - **Location #:** SC01306326CA **USGS Site ID:**
Division: 2 **Water District:** 10 **County:** EL PASO
Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
 SW NE 26 13 S 63 W S **From N/S line:** **From E/W line:**
UTM Coordinates (NAD83): **Northing (UTM y):** 4304334.8 **Easting (UTM x):** 550486.5 **GPS**
Latitude/Longitude (decimal degrees): 38.886430 -104.417891

Surface Elevation (ft): 6220 **Water Level Change**
Well depth (ft): 136 **1 year:** 4.16
Aquifer(s): QUATERNARY ALLUVIUM **5 year:**
10 year: -26.10

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/26/2002	37.05	6182.95	-3.03
3/6/2003	47.90	6172.10	-10.85
2/19/2004	54.01	6165.99	-6.11
3/1/2005	54.97	6165.03	-0.96
2/27/2006	62.40	6157.60	-7.43
3/19/2007			
2/21/2008	68.71	6151.29	
1/1/2009			
2/17/2010	68.98	6151.02	
2/28/2011	67.31	6152.69	1.67
4/12/2012	63.15	6156.85	4.16

All Historic Measurements



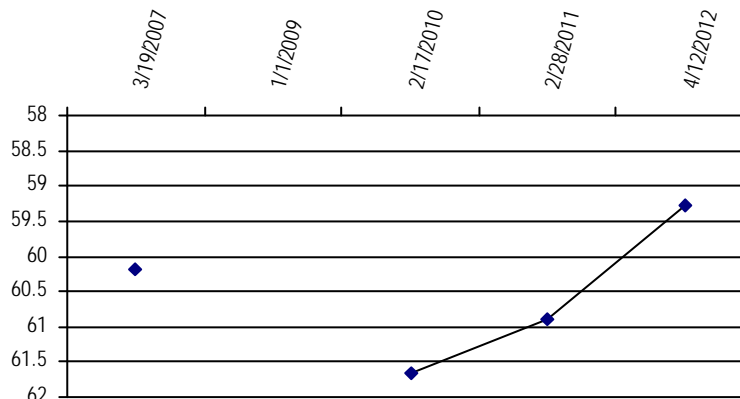
Well Name: **BS-27** **Owner:** DEAN GOSS
Permit #: 27564 - FP - R **Location #:** SC01306326CD **USGS Site ID:**
Division: 2 **Water District:** 10 **County:** EL PASO
Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
 SW SE 26 13 S 63 W S **From N/S line:** **From E/W line:**
UTM Coordinates (NAD83): **Northing (UTM y):** 4304024.0 **Easting (UTM x):** 550427.0 **GPS**
Latitude/Longitude (decimal degrees):

Surface Elevation (ft): 6218 **Water Level Change**
Well depth (ft): **1 year:** 1.61
Aquifer(s): QUATERNARY ALLUVIUM **5 year:** 0.89
10 year:

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
3/19/2007	60.18	6157.82	
1/1/2009			
2/17/2010	61.67	6156.33	
2/28/2011	60.90	6157.10	0.77
4/12/2012	59.29	6158.71	1.61

All Historic Measurements



UPPER BLACK SQUIRREL

Well Name: **BS-32** **Owner:** SPRINGS EAST AIRPORT, INC
Permit #: 6055 - FP - **Location #:** SC01306335DC **USGS Site ID:**

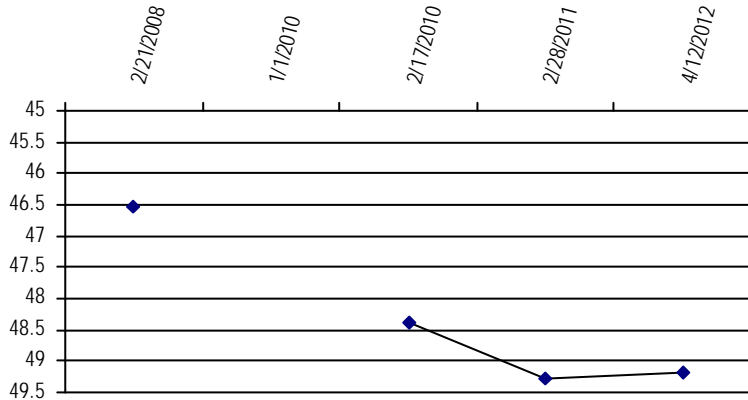
Division: 2 **Water District:** 10 **County:** EL PASO
Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
 SE SW 35 13 S 63 W S **From N/S line:** **From E/W line:**
UTM Coordinates (NAD83): **Northing (UTM y):** 4302231.0 **Easting (UTM x):** 550905.0 *GPS*
Latitude/Longitude (decimal degrees):

Surface Elevation (ft): 6142 **Water Level Change**
Well depth (ft): 159 **1 year:** 0.11
Aquifer(s): QUATERNARY ALLUVIUM **5 year:**
10 year:

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/21/2008	46.52	6095.48	
1/1/2010			
2/17/2010	48.38	6093.62	
2/28/2011	49.28	6092.72	-0.90
4/12/2012	49.17	6092.83	0.11

All Historic Measurements



Well Name: **BS-SLB2A** **Owner:** COLORADO STATE BOARD OF LAND
Permit #: 277307 - - **Location #:** SC01306336CA **USGS Site ID:**

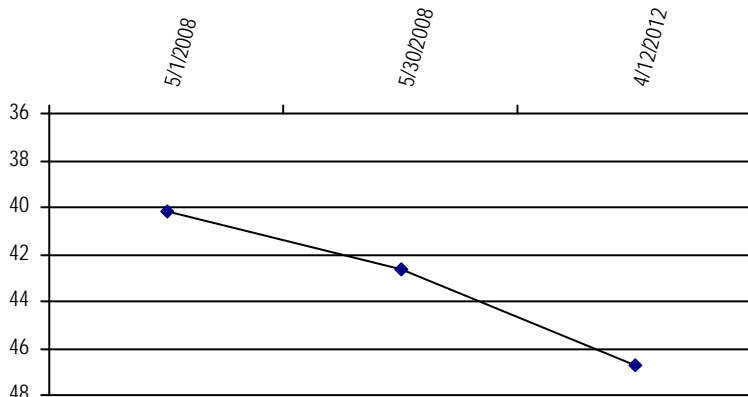
Division: 2 **Water District:** **County:** EL PASO
Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
 NE SE 36 13 S 63 W S **From N/S line:** **From E/W line:**
UTM Coordinates (NAD83): **Northing (UTM y):** 4303066.0 **Easting (UTM x):** 553120.0 *GPS*
Latitude/Longitude (decimal degrees):

Surface Elevation (ft): 6130 **Water Level Change**
Well depth (ft): 69 **1 year:**
Aquifer(s): QUATERNARY ALLUVIUM **5 year:**
10 year:

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
5/1/2008	40.20	6089.80	
5/30/2008	42.64	6087.36	-2.44
4/12/2012	46.70	6083.30	-4.06

All Historic Measurements



UPPER BLACK SQUIRREL

Well Name: **BS-SLB3** **Owner:** COLORADO STATE LAND BOARD
Permit #: 277314 - **Location #:** SC01406204BAA **USGS Site ID:**

Division: 2 **Water District:** **County:** EL PASO
Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
 NW NE NE 4 14 S 62 W S **From N/S line:** **From E/W line:**
UTM Coordinates (NAD83): **Northing (UTM y):** 4302249.0 **Easting (UTM x):** 557023.0 *GPS*
Latitude/Longitude (decimal degrees):

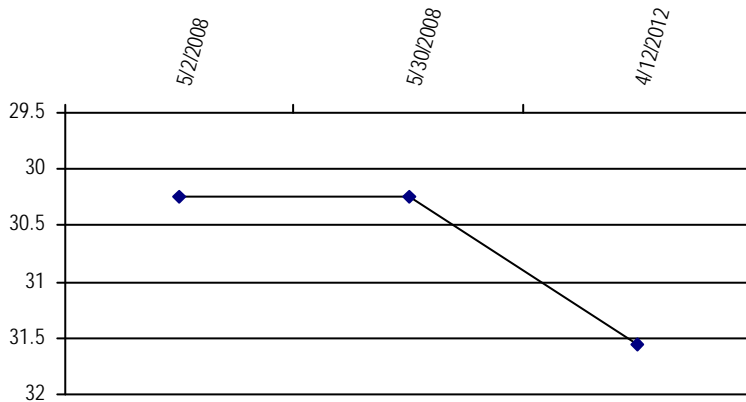
Surface Elevation (ft): 6052
Well depth (ft): 42
Aquifer(s): QUATERNARY ALLUVIUM

Water Level Change
1 year:
5 year:
10 year:

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
5/2/2008	30.25	6021.75	
5/30/2008	30.25	6021.75	0.00
4/12/2012	31.56	6020.44	-1.31

All Historic Measurements



Well Name: **BS-07** **Owner:** VERNON M JONES
Permit #: 17425 - F - **Location #:** SC01406206CD **USGS Site ID:**

Division: 2 **Water District:** 10 **County:** EL PASO
Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
 SE SW 6 14 S 62 W S **From N/S line:** **From E/W line:**
UTM Coordinates (NAD83): **Northing (UTM y):** 4300725.7 **Easting (UTM x):** 553621.5 *GPS*
Latitude/Longitude (decimal degrees): 38.853723 -104.382028

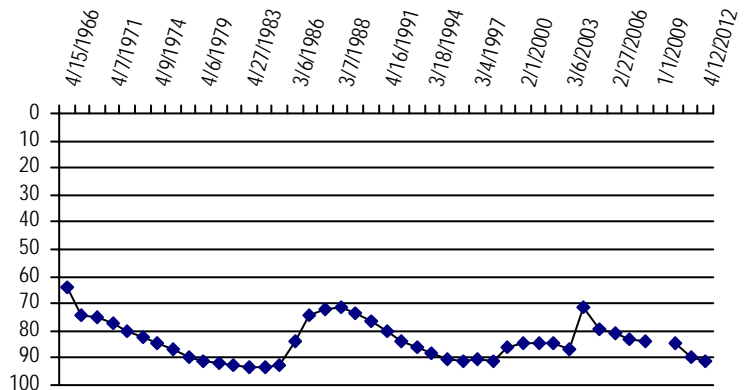
Surface Elevation (ft): 6060
Well depth (ft): 110
Aquifer(s): QUATERNARY ALLUVIUM

Water Level Change
1 year: -1.52
5 year: -8.37
10 year: -6.76

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/26/2002	84.35	5975.65	0.20
3/6/2003	86.95	5973.05	-2.60
2/19/2004	71.01	5988.99	15.94
3/1/2005	79.24	5980.76	-8.23
2/27/2006	80.81	5979.19	-1.57
3/19/2007	82.74	5977.26	-1.93
2/21/2008	83.98	5976.02	-1.24
1/1/2009			
2/17/2010	84.26	5975.74	
2/28/2011	89.59	5970.41	-5.33
4/12/2012	91.11	5968.89	-1.52

All Historic Measurements



UPPER BLACK SQUIRREL

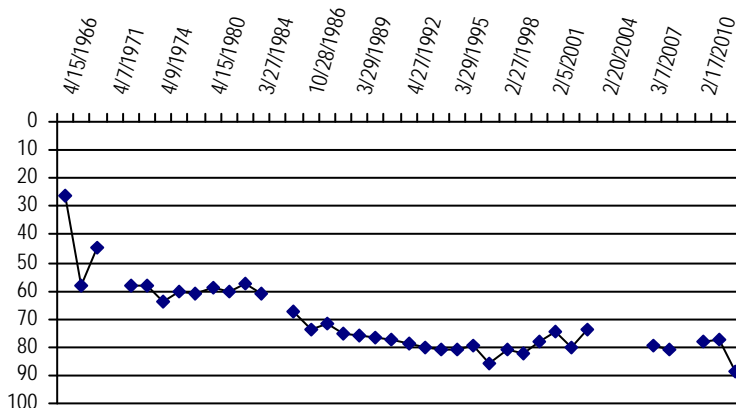
Well Name: **BS-10** **Owner:** RON GIESBRECHT
Permit #: 20701 - FP - **Location #:** SC01406208BA **USGS Site ID:**
Division: 2 **Water District:** 10 **County:** EL PASO
Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
 NE NW 8 14 S 62 W S **From N/S line:** **From E/W line:**
UTM Coordinates (NAD83): **Northing (UTM y):** 4300622.7 **Easting (UTM x):** 555391.5 *GPS*
Latitude/Longitude (decimal degrees): 38.852685 -104.361639

Surface Elevation (ft): 6030 **Water Level Change**
Well depth (ft): 136 **1 year:** -11.39
Aquifer(s): QUATERNARY ALLUVIUM **5 year:** -9.41
10 year: -8.82

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/26/2002	80.05	5949.95	-5.65
3/6/2003	73.73	5956.27	6.32
2/20/2004			
3/1/2005			
2/27/2006			
3/7/2007	79.46	5950.54	
2/21/2008	80.71	5949.29	-1.25
1/1/2009			
2/17/2010	78.10	5951.90	
3/2/2011	77.48	5952.52	0.62
4/12/2012	88.87	5941.13	-11.39

All Historic Measurements



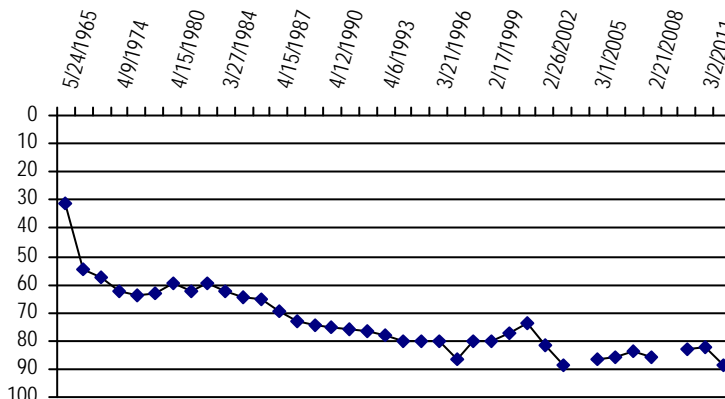
Well Name: **BS-10A** **Owner:** RON GIESBRECHT
Permit #: 27608 - FP - **Location #:** SC01406208BD1 **USGS Site ID:**
Division: 2 **Water District:** 10 **County:** EL PASO
Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
 NW SE 8 14 S 62 W S **From N/S line:** **From E/W line:**
UTM Coordinates (NAD83): **Northing (UTM y):** 4300171.7 **Easting (UTM x):** 555435.5 *GPS*
Latitude/Longitude (decimal degrees): 38.848618 -104.361168

Surface Elevation (ft): 6000 **Water Level Change**
Well depth (ft): 155 **1 year:** -6.03
Aquifer(s): QUATERNARY ALLUVIUM **5 year:** -4.67
10 year: -7.03

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/26/2002	81.30	5918.70	-7.80
3/6/2003	88.76	5911.24	-7.46
2/20/2004			
3/1/2005	86.26	5913.74	
2/27/2006	85.82	5914.18	0.44
3/7/2007	83.66	5916.34	2.16
2/21/2008	85.73	5914.27	-2.07
1/1/2009			
2/17/2010	82.99	5917.01	
3/2/2011	82.30	5917.70	0.69
4/12/2012	88.33	5911.67	-6.03

All Historic Measurements



UPPER BLACK SQUIRREL

Well Name: **BS-10B**

Owner: RON GIESBRECHT

Permit #: 16010 - FP -

Location #: SC01406208BD2

USGS Site ID:

Division: 2 **Water District:** 10 **County:** EL PASO

Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
 NW SW 8 14 S 62 W S **From N/S line:** **From E/W line:**

UTM Coordinates (NAD83): **Northing (UTM y):** 4299925.7 **Easting (UTM x):** 555458.5 **GPS**

Latitude/Longitude (decimal degrees): 38.846400 -104.360923

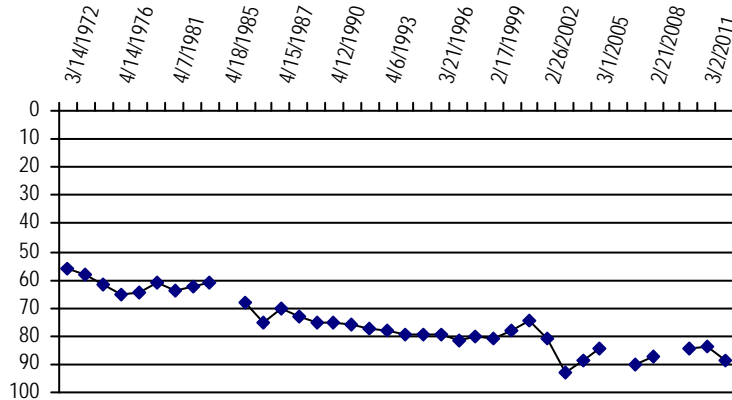
Surface Elevation (ft): 6000
Well depth (ft): 148
Aquifer(s): QUATERNARY ALLUVIUM

Water Level Change
1 year: -4.76
5 year: 1.64
10 year: -7.73

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/26/2002	80.95	5919.05	-6.45
3/6/2003	93.05	5906.95	-12.10
2/20/2004	88.67	5911.33	4.38
3/1/2005	84.59	5915.41	4.08
2/27/2006			
3/7/2007	90.32	5909.68	
2/21/2008	86.90	5913.10	3.42
1/1/2009			
2/17/2010	84.29	5915.71	
3/2/2011	83.92	5916.08	0.37
4/12/2012	88.68	5911.32	-4.76

All Historic Measurements



Well Name: **BS-10R**

Owner:

Permit #: - -

Location #: SC01406208CAD

USGS Site ID:

Division: 2 **Water District:** 10 **County:** EL PASO

Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
 SW NE 8 14 S 62 W S **From N/S line:** **From E/W line:**

UTM Coordinates (NAD83): **Northing (UTM y):** 4301224.7 **Easting (UTM x):** 555360.5 **GPS**

Latitude/Longitude (decimal degrees): 38.858112 -104.361948

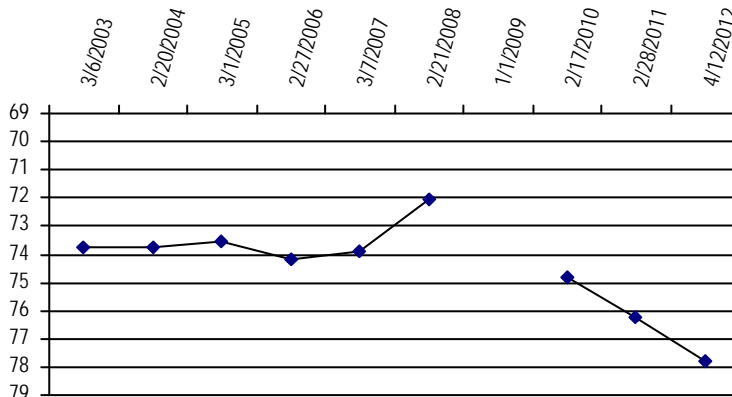
Surface Elevation (ft): 6035
Well depth (ft):
Aquifer(s): QUATERNARY ALLUVIUM

Water Level Change
1 year: -1.53
5 year: -3.92
10 year:

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
3/6/2003	73.73	5961.27	
2/20/2004	73.78	5961.22	-0.05
3/1/2005	73.56	5961.44	0.22
2/27/2006	74.18	5960.82	-0.62
3/7/2007	73.87	5961.13	0.31
2/21/2008	72.05	5962.95	1.82
1/1/2009			
2/17/2010	74.85	5960.15	
2/28/2011	76.26	5958.74	-1.41
4/12/2012	77.79	5957.21	-1.53

All Historic Measurements



UPPER BLACK SQUIRREL

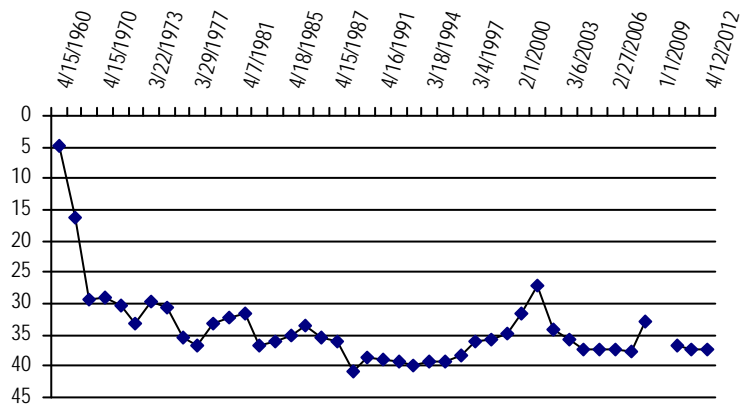
Well Name: **BS-12** **Owner:** LINDA & JOHN GLADDEN
Permit #: 2449 - FP - **Location #:** SC01406216CA **USGS Site ID:**
Division: 2 **Water District:** 10 **County:** EL PASO
Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
 SW NE 16 14 S 62 W S **From N/S line:** **From E/W line:**
UTM Coordinates (NAD83): **Northing (UTM y):** 4297895.6 **Easting (UTM x):** 556766.5 **GPS**
Latitude/Longitude (decimal degrees): 38.828024 -104.346019

Surface Elevation (ft): 5940 **Water Level Change**
Well depth (ft): 50 **1 year:** 0.26
Aquifer(s): QUATERNARY ALLUVIUM **5 year:** 0.55
10 year: -3.11

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/26/2002	34.12	5905.88	-6.90
3/6/2003	35.67	5904.33	-1.55
2/20/2004	37.34	5902.66	-1.67
3/1/2005	37.29	5902.71	0.05
2/27/2006	37.27	5902.73	0.02
3/7/2007	37.78	5902.22	-0.51
2/21/2008	32.81	5907.19	4.97
1/1/2009			
2/17/2010	36.62	5903.38	
3/2/2011	37.49	5902.51	-0.87
4/12/2012	37.23	5902.77	0.26

All Historic Measurements



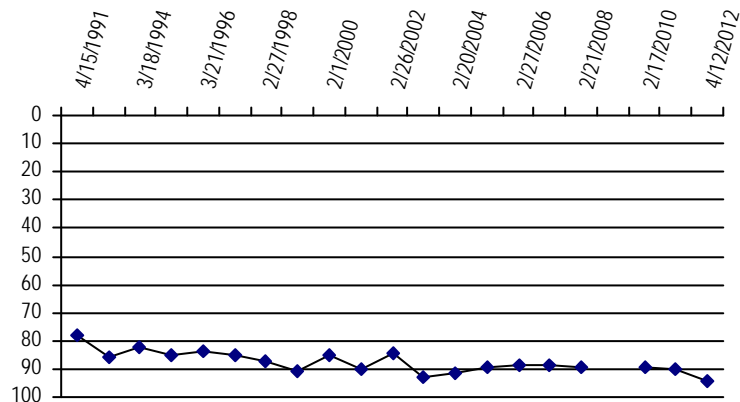
Well Name: **BS-18** **Owner:**
Permit #: - - **Location #:** SC01406217AB **USGS Site ID:**
Division: 2 **Water District:** 10 **County:** EL PASO
Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
 NE NW 17 14 S 62 W S **From N/S line:** **From E/W line:**
UTM Coordinates (NAD83): **Northing (UTM y):** 4299033.7 **Easting (UTM x):** 555477.5 **GPS**
Latitude/Longitude (decimal degrees): 38.838361 -104.360776

Surface Elevation (ft): 5950 **Water Level Change**
Well depth (ft): 70 **1 year:** -4.19
Aquifer(s): QUATERNARY ALLUVIUM **5 year:** -5.29
10 year: -9.58

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/26/2002	84.67	5865.33	5.28
3/6/2003	92.91	5857.09	-8.24
2/20/2004	91.18	5858.82	1.73
3/1/2005	89.46	5860.54	1.72
2/27/2006	88.82	5861.18	0.64
3/7/2007	88.96	5861.04	-0.14
2/21/2008	89.28	5860.72	-0.32
1/1/2009			
2/17/2010	89.40	5860.60	
3/2/2011	90.06	5859.94	-0.66
4/12/2012	94.25	5855.75	-4.19

All Historic Measurements



UPPER BLACK SQUIRREL

Well Name: **BS-08** **Owner:** ELLICOTT FIRE PROTECTION DISTRICT
Permit #: 13673 - FP - **Location #:** SC01406218BC **USGS Site ID:**

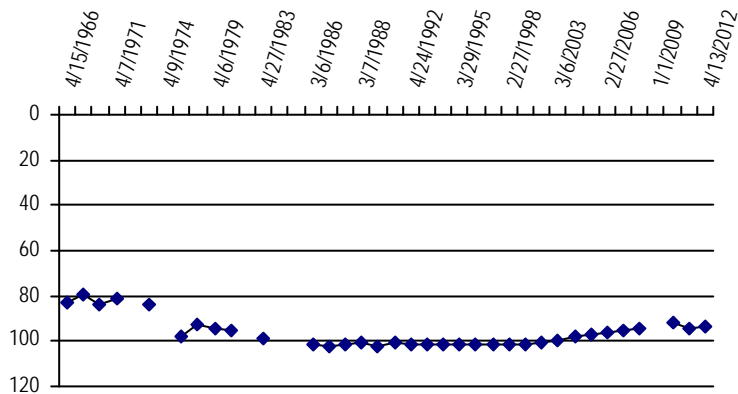
Division: 2 **Water District:** 10 **County:** EL PASO
Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
 NW SW 18 14 S 62 W S **From N/S line:** **From E/W line:**
UTM Coordinates (NAD83): **Northing (UTM y):** 4298189.7 **Easting (UTM x):** 553238.5 **GPS**
Latitude/Longitude (decimal degrees): 38.830894 -104.386638

Surface Elevation (ft): 5985 **Water Level Change**
Well depth (ft): 134 **1 year:** 0.20
Aquifer(s): QUATERNARY ALLUVIUM **5 year:** 1.88
10 year: 7.06

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/26/2002	100.90	5884.10	0.80
3/6/2003	99.35	5885.65	1.55
2/20/2004	98.37	5886.63	0.98
3/1/2005	97.16	5887.84	1.21
2/27/2006	96.39	5888.61	0.77
3/7/2007	95.72	5889.28	0.67
2/21/2008	94.48	5890.52	1.24
1/1/2009			
2/17/2010	92.13	5892.87	
3/2/2011	94.04	5890.96	-1.91
4/13/2012	93.84	5891.16	0.20

All Historic Measurements



Well Name: **BS-13** **Owner:** RAYMOND LEWIS
Permit #: 3485 - FP - **Location #:** SC01406221BA **USGS Site ID:**

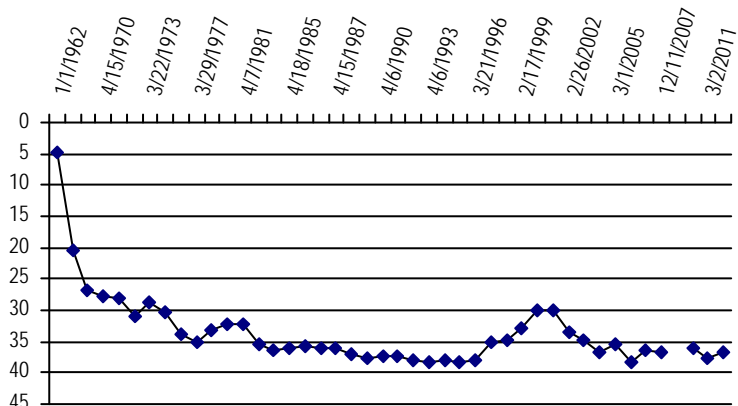
Division: 2 **Water District:** 10 **County:** EL PASO
Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
 NW NE 21 14 S 62 W S **From N/S line:** **From E/W line:**
UTM Coordinates (NAD83): **Northing (UTM y):** 4297459.6 **Easting (UTM x):** 556693.5 **GPS**
Latitude/Longitude (decimal degrees): 38.824100 -104.346896

Surface Elevation (ft): 5920 **Water Level Change**
Well depth (ft): 52 **1 year:** 0.89
Aquifer(s): QUATERNARY ALLUVIUM **5 year:** -0.36
10 year: -3.15

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/26/2002	33.52	5886.48	-3.60
3/6/2003	34.90	5885.10	-1.38
2/20/2004	36.55	5883.45	-1.65
3/1/2005	35.30	5884.70	1.25
2/27/2006	38.31	5881.69	-3.01
3/7/2007	36.31	5883.69	2.00
12/11/2007	36.80	5883.20	-0.49
1/1/2009			
2/17/2010	36.08	5883.92	
3/2/2011	37.56	5882.44	-1.48
4/12/2012	36.67	5883.33	0.89

All Historic Measurements



UPPER BLACK SQUIRREL

Well Name: **BS-14**

Owner:

Permit #: - - *Location #:* SC01406221BB *USGS Site ID:*

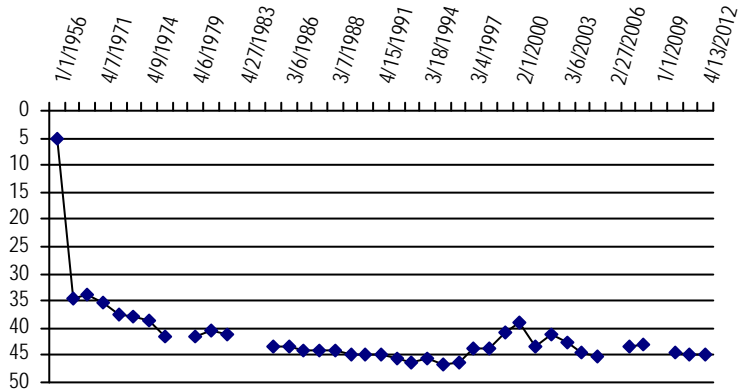
Division: 2 *Water District:* 10 *County:* EL PASO
Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
 NW NW 21 14 S 62 W S *From N/S line:* *From E/W line:*
UTM Coordinates (NAD83): *Northing (UTM y):* 4297140.6 *Easting (UTM x):* 556406.5 *GPS*
Latitude/Longitude (decimal degrees): 38.821244 -104.350228

Surface Elevation (ft): 5925 **Water Level Change**
Well depth (ft): 61 **1 year:** 0.22
Aquifer(s): QUATERNARY ALLUVIUM **5 year:** -1.50
10 year: -3.77

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/26/2002	41.03	5883.97	2.52
3/6/2003	42.80	5882.20	-1.77
2/20/2004	44.61	5880.39	-1.81
3/1/2005	45.34	5879.66	-0.73
2/27/2006			
3/7/2007	43.30	5881.70	
2/21/2008	43.00	5882.00	0.30
1/1/2009			
2/17/2010	44.33	5880.67	
3/2/2011	45.02	5879.98	-0.69
4/13/2012	44.80	5880.20	0.22

All Historic Measurements



Well Name: **BS-30**

Owner: GEORGE & TED SCHUBERT

Permit #: 27553 - F - *Location #:* SC01406221CC *USGS Site ID:*

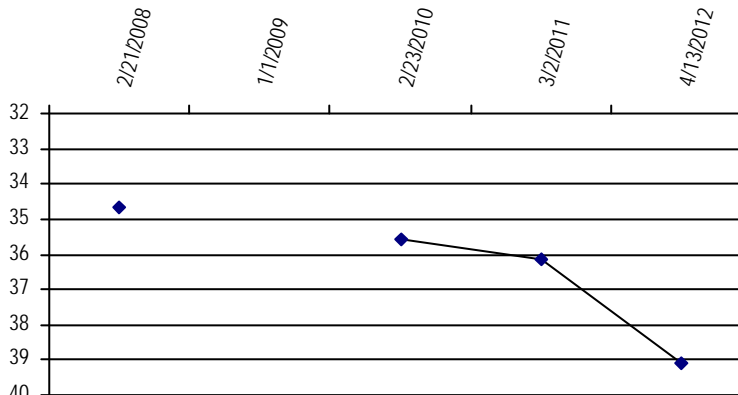
Division: 2 *Water District:* 10 *County:* EL PASO
Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
 SW SW 21 14 S 62 W S *From N/S line:* *From E/W line:*
UTM Coordinates (NAD83): *Northing (UTM y):* 4296203.0 *Easting (UTM x):* 556479.0 *GPS*
Latitude/Longitude (decimal degrees):

Surface Elevation (ft): 5898 **Water Level Change**
Well depth (ft): 54 **1 year:** -2.96
Aquifer(s): QUATERNARY ALLUVIUM **5 year:**
10 year:

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/21/2008	34.68	5863.32	
1/1/2009			
2/23/2010	35.56	5862.44	
3/2/2011	36.14	5861.86	-0.58
4/13/2012	39.10	5858.90	-2.96

All Historic Measurements



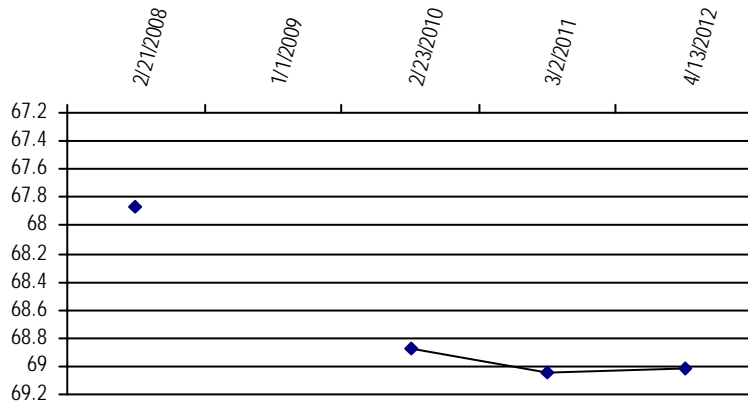
UPPER BLACK SQUIRREL

Well Name: **BS-31** **Owner:** GEORGE & TED SCHUBERT
Permit #: 6970 - FP - **Location #:** SC01406229AB **USGS Site ID:**
Division: 2 **Water District:** 10 **County:** EL PASO
Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
NE NW 29 14 S 62 W S **From N/S line:** **From E/W line:**
UTM Coordinates (NAD83): **Northing (UTM y):** 4295579.0 **Easting (UTM x):** 555675.0 **GPS**
Latitude/Longitude (decimal degrees):
Surface Elevation (ft): 5878 **Water Level Change**
Well depth (ft): 96 **1 year:** 0.02
Aquifer(s): QUATERNARY ALLUVIUM **5 year:**
10 year:

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/21/2008	67.87	5810.13	
1/1/2009			
2/23/2010	68.87	5809.13	
3/2/2011	69.04	5808.96	-0.17
4/13/2012	69.02	5808.98	0.02

All Historic Measurements

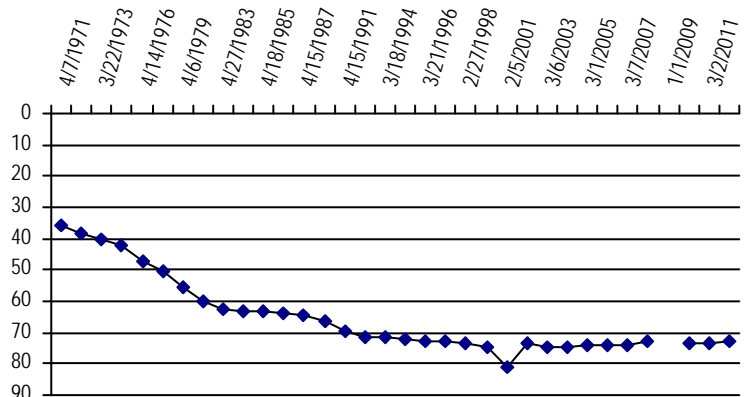


Well Name: **BS-15B** **Owner:**
Permit #: 20528 - FP - **Location #:** SC01406232BB **USGS Site ID:**
Division: 2 **Water District:** 10 **County:** EL PASO
Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
NW NW 32 14 S 62 W S **From N/S line:** **From E/W line:**
UTM Coordinates (NAD83): **Northing (UTM y):** 4294218.7 **Easting (UTM x):** 554849.5 **GPS**
Latitude/Longitude (decimal degrees): 38.795012 -104.368395
Surface Elevation (ft): 5860 **Water Level Change**
Well depth (ft): 120 **1 year:** 0.17
Aquifer(s): QUATERNARY ALLUVIUM **5 year:** 1.31
10 year: 0.47

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/26/2002	73.50	5786.50	7.40
3/6/2003	74.58	5785.42	-1.08
2/20/2004	74.59	5785.41	-0.01
3/1/2005	74.32	5785.68	0.27
2/27/2006	74.05	5785.95	0.27
3/7/2007	74.34	5785.66	-0.29
2/21/2008	72.49	5787.51	1.85
1/1/2009			
2/17/2010	73.57	5786.43	
3/2/2011	73.20	5786.80	0.37
4/13/2012	73.03	5786.97	0.17

All Historic Measurements



UPPER BLACK SQUIRREL

Well Name: **BS-SLB4** **Owner:** COLORADO STATE LAND BOARD
Permit #: 277315 - **Location #:** SC01406323AAA **USGS Site ID:**

Division: 2 **Water District:** **County:** EL PASO
Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
 NE NE NE 23 14 S 63 W S **From N/S line:** **From E/W line:**
UTM Coordinates (NAD83): **Northing (UTM y):** 4297349.0 **Easting (UTM x):** 551578.0 *GPS*
Latitude/Longitude (decimal degrees):

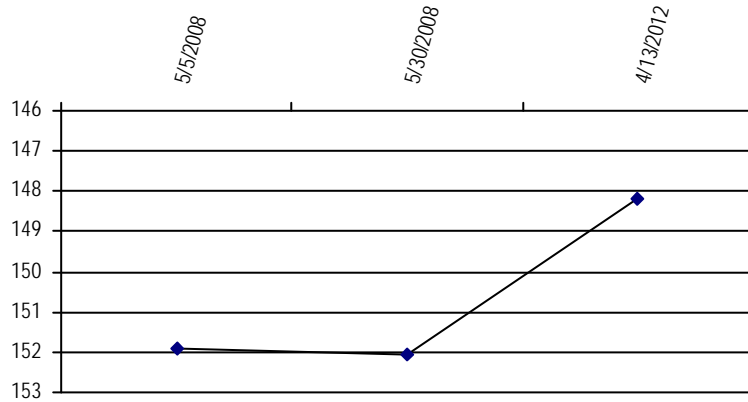
Surface Elevation (ft): 6000
Well depth (ft): 180
Aquifer(s): QUATERNARY ALLUVIUM

Water Level Change
1 year:
5 year:
10 year:

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
5/5/2008	151.92	5848.08	
5/30/2008	152.07	5847.93	-0.15
4/13/2012	148.17	5851.83	3.90

All Historic Measurements



Well Name: **BS-23** **Owner:**
Permit #: 16516 - **Location #:** SC01406324AA **USGS Site ID:**

Division: 2 **Water District:** 10 **County:** EL PASO
Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
 NE NE 32 14 S 63 W S **From N/S line:** **From E/W line:**
UTM Coordinates (NAD83): **Northing (UTM y):** 4297546.7 **Easting (UTM x):** 553173.5 *GPS*
Latitude/Longitude (decimal degrees): 38.825104 -104.387437

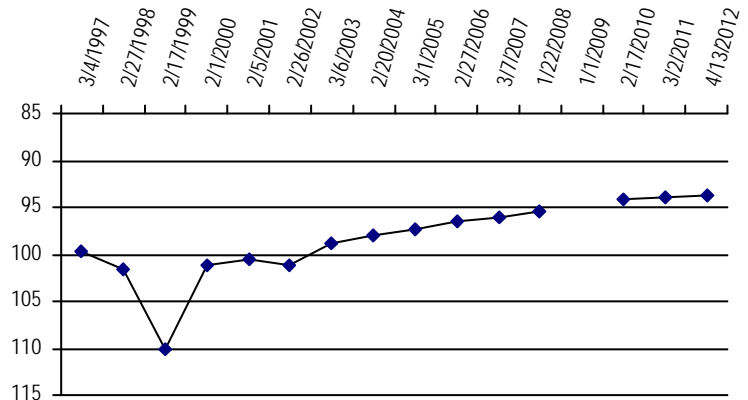
Surface Elevation (ft): 5981
Well depth (ft): 110
Aquifer(s): QUATERNARY ALLUVIUM

Water Level Change
1 year: 0.25
5 year: 2.35
10 year: 7.37

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/26/2002	101.15	5879.85	-0.63
3/6/2003	98.90	5882.10	2.25
2/20/2004	97.97	5883.03	0.93
3/1/2005	97.32	5883.68	0.65
2/27/2006	96.47	5884.53	0.85
3/7/2007	96.13	5884.87	0.34
1/22/2008	95.40	5885.60	0.73
1/1/2009			
2/17/2010	94.09	5886.91	
3/2/2011	94.03	5886.97	0.06
4/13/2012	93.78	5887.22	0.25

All Historic Measurements



UPPER BLACK SQUIRREL

Well Name: **BS-SLB5** **Owner:** COLORADO STATE LAND BOARD
Permit #: 277316 - **Location #:** SC01406325DA **USGS Site ID:**

Division: 2 **Water District:** **County:** EL PASO
Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
 SE NE 25 14 S 63 W S **From N/S line:** **From E/W line:**
UTM Coordinates (NAD83): **Northing (UTM y):** 4294671.0 **Easting (UTM x):** 553232.0 *GPS*
Latitude/Longitude (decimal degrees):

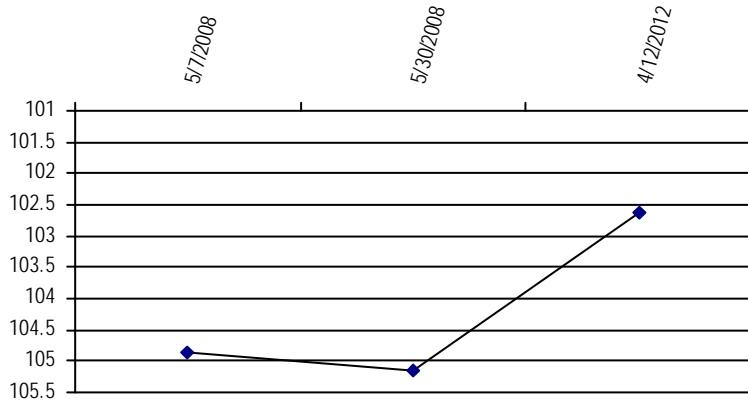
Surface Elevation (ft): 5900
Well depth (ft): 165
Aquifer(s): QUATERNARY ALLUVIUM

Water Level Change
1 year:
5 year:
10 year:

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
5/7/2008	104.85	5795.15	
5/30/2008	105.14	5794.86	-0.29
4/12/2012	102.62	5797.38	2.52

All Historic Measurements



Well Name: **SALAY-03** **Owner:** USGS
Permit #: 98502 - **Location #:** SC01406336DDD **USGS Site ID:**

Division: 2 **Water District:** **County:** EL PASO
Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
 SE SE SE 36 14 S 63 W S **From N/S line:** **From E/W line:**
UTM Coordinates (NAD83): **Northing (UTM y):** 4292655.0 **Easting (UTM x):** 553165.0 *GPS*
Latitude/Longitude (decimal degrees):

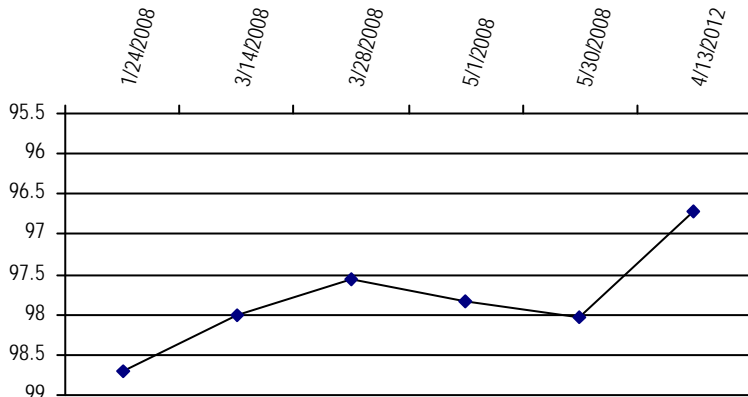
Surface Elevation (ft): 5858
Well depth (ft): 150
Aquifer(s): QUATERNARY ALLUVIUM

Water Level Change
1 year:
5 year:
10 year:

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
1/24/2008	98.70	5759.30	
3/14/2008	98.00	5760.00	0.70
3/28/2008	97.56	5760.44	0.44
5/1/2008	97.83	5760.17	-0.27
5/30/2008	98.03	5759.97	-0.20
4/13/2012	96.71	5761.29	1.32

All Historic Measurements



UPPER BLACK SQUIRREL

Well Name: **BS-SLB6** **Owner:** COLORADO STATE LAND BOARD
Permit #: 277318 - **Location #:** SC01506207AD **USGS Site ID:**

Division: 2 **Water District:** **County:** EL PASO
Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
 NE SE 7 15 S 62 W S **From N/S line:** **From E/W line:**
UTM Coordinates (NAD83): **Northing (UTM y):** 4290564.0 **Easting (UTM x):** 554530.0 *GPS*
Latitude/Longitude (decimal degrees):

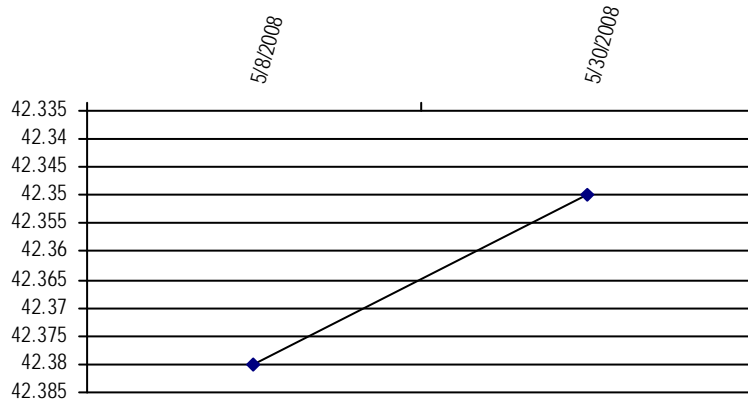
Surface Elevation (ft): 5755
Well depth (ft): 87
Aquifer(s): QUATERNARY ALLUVIUM

Water Level Change
1 year:
5 year:
10 year:

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
5/8/2008	42.38	5712.62	
5/30/2008	42.35	5712.65	0.03

All Historic Measurements



Well Name: **BS-16** **Owner:** JERRY FARMER
Permit #: 2451 - FP - **Location #:** SC01506324DA1 **USGS Site ID:**

Division: 2 **Water District:** 10 **County:** EL PASO
Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
 NE SE 24 15 S 63 W S **From N/S line:** **From E/W line:**
UTM Coordinates (NAD83): **Northing (UTM y):** 4287005.7 **Easting (UTM x):** 553039.4 *GPS*
Latitude/Longitude (decimal degrees): 38.730125 -104.389791

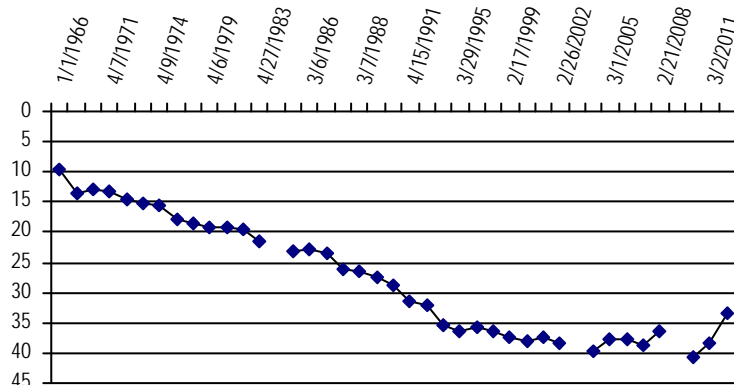
Surface Elevation (ft): 5690
Well depth (ft): 67
Aquifer(s): QUATERNARY ALLUVIUM

Water Level Change
1 year: 5.00
5 year: 5.61
10 year: 4.98

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/26/2002	38.24	5651.76	-0.70
3/6/2003			
2/20/2004	39.78	5650.22	
3/1/2005	37.60	5652.40	2.18
2/27/2006	37.80	5652.20	-0.20
3/7/2007	38.87	5651.13	-1.07
2/21/2008	36.53	5653.47	2.34
1/1/2009			
2/17/2010	40.84	5649.16	
3/2/2011	38.26	5651.74	2.58
4/13/2012	33.26	5656.74	5.00

All Historic Measurements



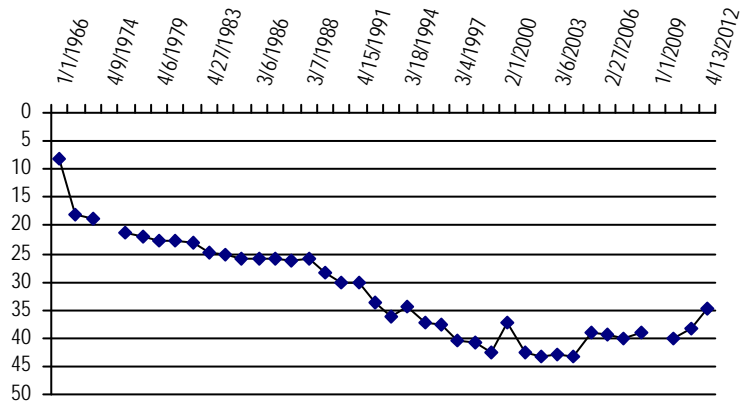
UPPER BLACK SQUIRREL

Well Name:	BS-17	<i>Owner:</i>	DANIEL FARMER
<i>Permit #:</i>	6494 - FP -	<i>Location #:</i>	SC01506324DA2
<i>Division:</i>	2	<i>Water District:</i>	10
<i>Location:</i>	Q160 Q40 Q10	<i>County:</i>	EL PASO
	Section Twnshp Range PM	<i>Distance from section lines:</i>	
	SE NE 24 15 S 63 W S	<i>From N/S line:</i>	<i>From E/W line:</i>
<i>UTM Coordinates (NAD83):</i>	<i>Northing (UTM y):</i>	4287002.0	<i>Easting (UTM x):</i> 552956.0 <i>GPS</i>
<i>Latitude/Longitude (decimal degrees):</i>	38.730100 -104.390750		
<i>Surface Elevation (ft):</i>	5680	Water Level Change	
<i>Well depth (ft):</i>	31	1 year: 3.37	
<i>Aquifer(s):</i>	QUATERNARY ALLUVIUM	5 year: 5.18	
		10 year: 8.45	

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/26/2002	43.31	5636.69	-0.61
3/6/2003	42.90	5637.10	0.41
2/20/2004	43.15	5636.85	-0.25
3/1/2005	39.11	5640.89	4.04
2/27/2006	39.37	5640.63	-0.26
3/7/2007	40.04	5639.96	-0.67
12/11/2007	39.10	5640.90	0.94
1/1/2009			
2/17/2010	39.95	5640.05	
3/2/2011	38.23	5641.77	1.72
4/13/2012	34.86	5645.14	3.37

All Historic Measurements

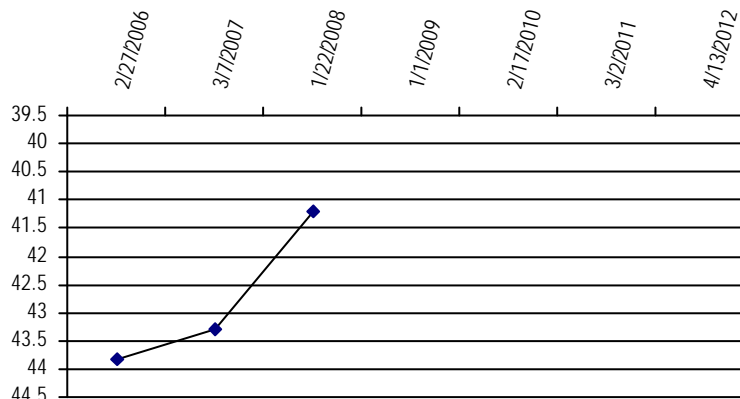


Well Name:	BS-26	<i>Owner:</i>	USGS
<i>Permit #:</i>	31379 - M -	<i>Location #:</i>	SC01506324DB
<i>Division:</i>	2	<i>Water District:</i>	10
<i>Location:</i>	Q160 Q40 Q10	<i>County:</i>	EL PASO
	Section Twnshp Range PM	<i>Distance from section lines:</i>	
	SE NW 24 15 S 63 W S	<i>From N/S line:</i>	<i>From E/W line:</i>
<i>UTM Coordinates (NAD83):</i>	<i>Northing (UTM y):</i>	4286989.0	<i>Easting (UTM x):</i> 552918.0 <i>GPS</i>
<i>Latitude/Longitude (decimal degrees):</i>			
<i>Surface Elevation (ft):</i>	5680	Water Level Change	
<i>Well depth (ft):</i>	225	1 year:	
<i>Aquifer(s):</i>	LARAMIE FOX HILLS	5 year:	
	QUATERNARY ALLUVIUM	10 year:	

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/27/2006	43.84	5636.16	
3/7/2007	43.28	5636.72	0.56
1/22/2008	41.20	5638.80	2.08
1/1/2009			
2/17/2010			
3/2/2011			
4/13/2012			

All Historic Measurements



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