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GROUND WATER LEVELS
in the
UPPER BLACK SQUIRREL CREEK
DESIGNATED GROUNDWATER BASIN
OCTOBER 2004



by
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**UPPER BLACK SQUIRREL CREEK DESIGNATED GROUND WATER BASIN
WATER LEVEL MEASUREMENTS
2004**

This report represents the results of water level measurements of wells in the Upper Black Squirrel Creek Designated Basin made during the month of February 2004. The project was done in cooperation with the Upper Black Squirrel Creek Ground Water Management District and local well owners. Funding for this project was supplied in part from well permit fees collected and managed by the Office of the State Engineer as a result of the passage of Senate Bill 200 during the 1987 legislative session.

A new report format was created for this year's report. This is the result of placing all statewide water level data into **HYDROBASE**, which is a uniform database for all data collected and managed by the Division of Water Resources. Tabular data are presented for each well for the previous 10 years. Graphical data are presented for the entire period of record. Information concerning bedrock wells for the Denver Basin Aquifers will generally be available in June of each year and can be obtained from the Office of the State Engineer.

A total of 20 well sites were visited with 19 wells being measured, recorded and data entered. Changes in water level from last year's readings for the alluvial aquifer range from a decline of -22.6 feet in BS-10R (Sec.8, T.14 S., R.62 W.) to a rise of 15.94 feet in BS-7 (Sec.6, T.14 S., R.62 W.). The greatest decline in 2004 was almost ten feet more than in 2003. The highest rise in 2004 was 14 feet more than the previous year. The average decline for the entire basin was -0.07 feet for the period 2003 to 2004, as compared to an average decline of -4.33 feet during the 2002 to 2003 period. A total change for the 5-year period 1999 to 2004 ranges from a decline of -25.41 feet in BS-19 (Sec. 26, T.13 S., R.63 W.) to a rise of 16.55 feet in BS-15A (Sec. 25, T.13 S., R.63 W.) The average decline for the 5-year period is -1.18 feet per year as compared to an average of -1.04 feet for the 5-year period 1998 to 2003. Over the past ten years (1994 to 2004), the average water level in the basin has risen 0.62 feet.

This ground water basin has a long and unvaried history of continuing ground water declines. This decline is persistent even though the latest 10-year average suggests that some recharge may be taking place. Measurements in future years will be necessary to determine if the recharge trend continues. The recurring and persistent areas of intense ground water use indicate that a metering program is warranted to adequately manage the water resources of the Upper Black Squirrel Ground Water Management District.

This year's report was prepared under contract to George D. VanSlyke, PG, Consulting Ground Water Geologist.

Copies of the report can be purchased from the Office of the State Engineer, Records Section, 1313 Sherman St. Denver, CO 80203, (303) 866-3447.

UPPER BLACK SQUIRREL

Well Name: BS-22A

Permit #: 40767 - - Location #: SC 01206324CC USGS Site ID:

Division: 2 Water District: 10 County: EL PASO

Location: Q160 Q40 Q10 Section Twtnshp Range PM Distance from section lines:
S SW 24 12 S 63 W S From N/S line: From E/W line:

UTM Coordinates (NAD83): Northing (UTM y): 4315474.8 Easting (UTM x): 551619.5 GPS

Latitude/Longitude (decimal degrees): 38.986747 -104.403989

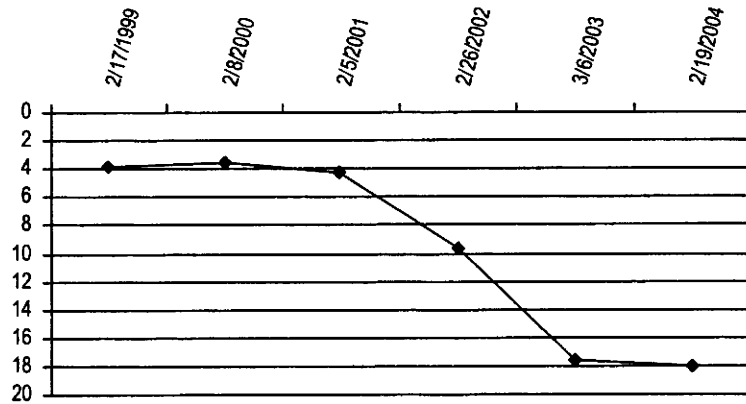
Surface Elevation (ft): 6229
Well depth (ft): 110
Aquifer(s): QUATERNARY ALLUVIUM

Water Level Change
1 year: -0.37
5 year: -14.16
10 year:

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/17/1999	3.80	6225.20	
2/8/2000	3.60	6225.40	0.20
2/5/2001	4.30	6224.70	-0.70
2/26/2002	9.60	6219.40	-5.30
3/6/2003	17.59	6211.41	-7.99
2/19/2004	17.96	6211.04	-0.37

All Historic Measurements



Well Name: BS-01

Permit #: 612 - FP - Location #: SC01206230BB USGS Site ID:

Division: 2 Water District: 10 County: EL PASO

Location: Q160 Q40 Q10 Section Twtnshp Range PM Distance from section lines:
NW NW 30 12 S 62 W S From N/S line: From E/W line:

UTM Coordinates (NAD83): Northing (UTM y): 4314697.7 Easting (UTM x): 553175.5 GPS

Latitude/Longitude (decimal degrees): 38.979652 -104.386084

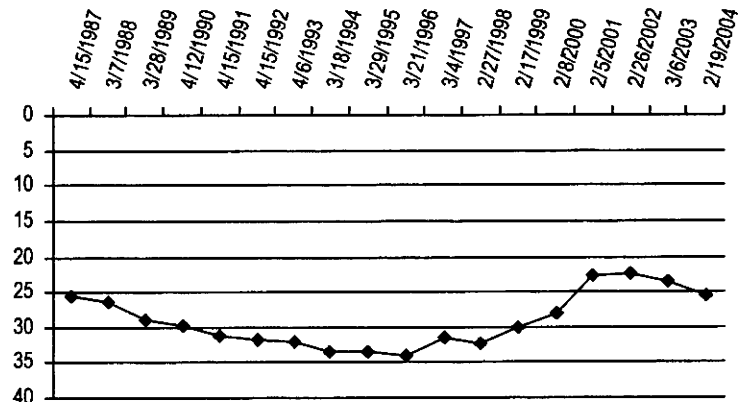
Surface Elevation (ft): 6420
Well depth (ft): 123
Aquifer(s): QUATERNARY ALLUVIUM

Water Level Change
1 year: -2.12
5 year: 4.54
10 year: 7.79

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
3/18/1994	33.35	6386.65	-1.19
3/29/1995	33.55	6386.45	-0.20
3/21/1996	34.00	6386.00	-0.45
3/4/1997	31.60	6388.40	2.40
2/27/1998	32.25	6387.75	-0.65
2/17/1999	30.10	6389.90	2.15
2/8/2000	28.20	6391.80	1.90
2/5/2001	22.60	6397.40	5.60
2/26/2002	22.40	6397.60	0.20
3/6/2003	23.44	6396.56	-1.04
2/19/2004	25.56	6394.44	-2.12

All Historic Measurements



UPPER BLACK SQUIRREL

Well Name: BS-02

Permit #: 13171 - RFP - R Location #: SC01206231CD USGS Site ID:

Division: 2 Water District: 10 County: EL PASO

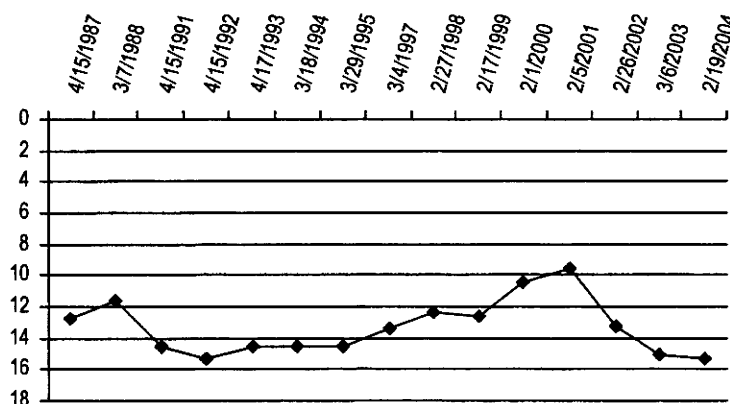
Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
 SW SE 31 12 S 62 W S From N/S line: From E/W line:

UTM Coordinates (NAD83): Northing (UTM y): 4312108.7 Easting (UTM x): 553588.5 GPS
 Latitude/Longitude (decimal degrees): 38.956297 -104.381519

Surface Elevation (ft): 6100 **Water Level Change**
 Well depth (ft): 51 **1 year:** -0.23
 Aquifer(s): QUATERNARY ALLUVIUM **5 year:** -2.65
 10 year: -0.75

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
3/18/1994	14.60	6085.40	-0.05
3/29/1995	14.53	6085.47	0.07
3/4/1997	13.45	6086.55	1.08
2/27/1998	12.35	6087.65	1.10
2/17/1999	12.70	6087.30	-0.35
2/1/2000	10.50	6089.50	2.20
2/5/2001	9.60	6090.40	0.90
2/26/2002	13.31	6086.69	-3.71
3/6/2003	15.12	6084.88	-1.81
2/19/2004	15.35	6084.65	-0.23

All Historic Measurements

Well Name: BS-25

Permit #: 15389 - FP - Location #: SC01306207CB USGS Site ID:

Division: 2 Water District: 10 County: EL PASO

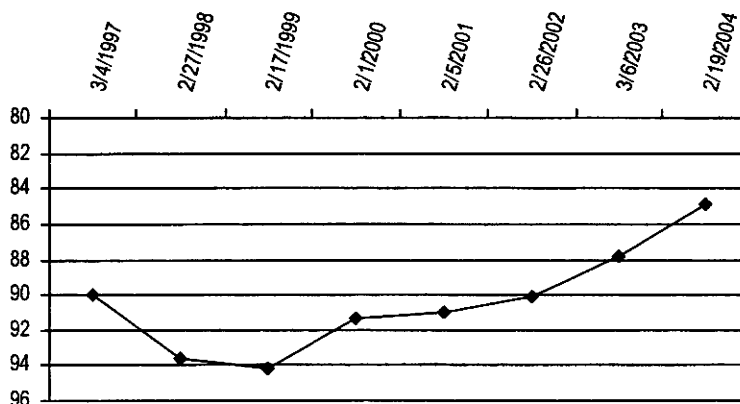
Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
 SW NW 7 13 S 62 W S From N/S line: From E/W line:

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:** 2.91
 Aquifer(s): QUATERNARY ALLUVIUM **5 year:** 9.31
 10 year:

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
3/4/1997	90.00	6193.00	
2/27/1998	93.60	6189.40	-3.60
2/17/1999	94.20	6188.80	-0.60
2/1/2000	91.35	6191.65	2.85
2/5/2001	91.00	6192.00	0.35
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

All Historic Measurements


UPPER BLACK SQUIRREL

Well Name: BS-04

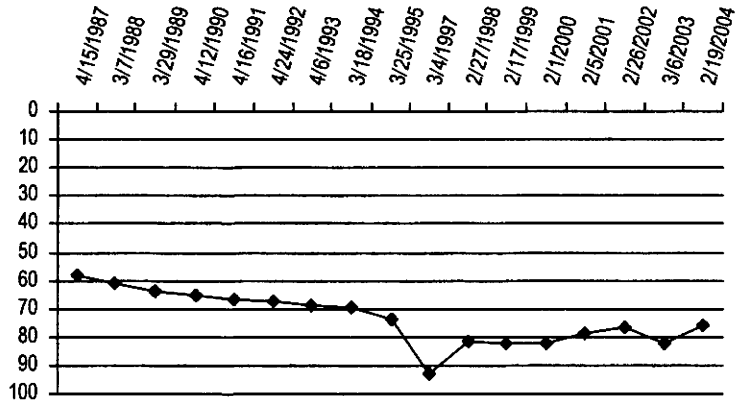
Permit #: 6100 - F - Location #: SC01306207DC USGS Site ID:
 Division: 2 Water District: 10 County: EL PASO
 Location: Q160 Q40 Q10 Section Twtnshp Range PM Distance from section lines:
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 UTM Coordinates (NAD83): Northing (UTM y): 4308902.7 Easting (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:** 6.01
 Aquifer(s): QUATERNARY ALLUVIUM **5 year:** 6.01
10 year: -6.79

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
3/18/1994	69.30	6187.70	-0.78
3/25/1995	73.46	6183.54	-4.16
3/4/1997	92.70	6164.30	-19.24
2/27/1998	81.75	6175.25	10.95
2/17/1999	82.10	6174.90	-0.35
2/1/2000	82.50	6174.50	-0.40
2/5/2001	78.45	6178.55	4.05
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

All Historic Measurements



Well Name: BS-06A

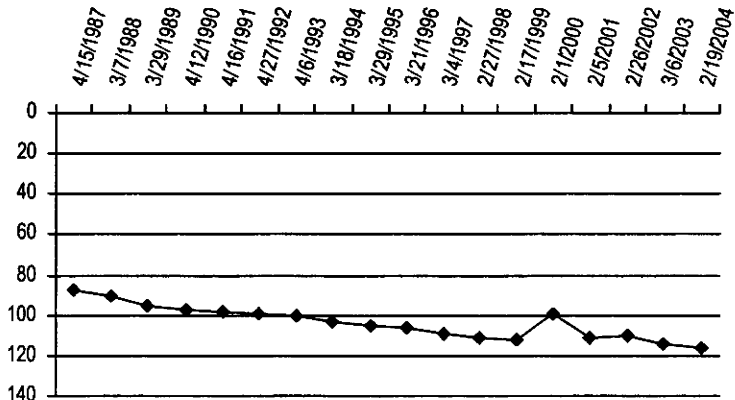
Permit #: 11031 - FP - Location #: SC01306218CB USGS Site ID:
 Division: 2 Water District: 10 County: EL PASO
 Location: Q160 Q40 Q10 Section Twtnshp Range PM Distance from section lines:
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 UTM Coordinates (NAD83): Northing (UTM y): 4307440.7 Easting (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:** -2.42
 Aquifer(s): QUATERNARY ALLUVIUM **5 year:** -4.17
10 year: -13.37

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
3/18/1994	103.25	6146.75	-2.95
3/29/1995	105.37	6144.63	-2.12
3/21/1996	106.60	6143.40	-1.23
3/4/1997	109.70	6140.30	-3.10
2/27/1998	111.20	6138.80	-1.50
2/17/1999	112.45	6137.55	-1.25
2/1/2000	99.20	6150.80	13.25
2/5/2001	111.60	6138.40	-12.40
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

All Historic Measurements



UPPER BLACK SQUIRREL

Well Name: BS-15A

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

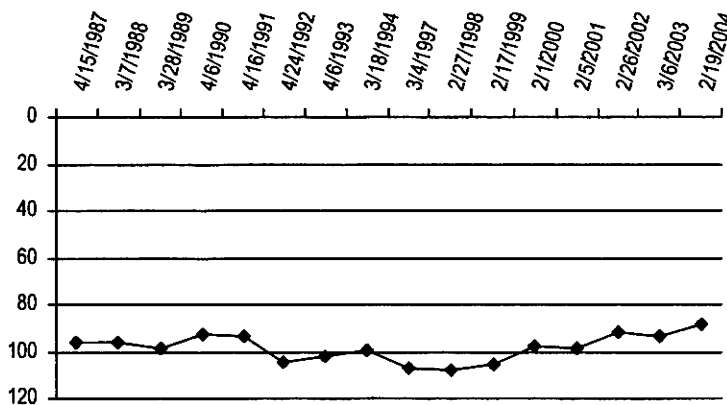
Surface Elevation (ft): 6200
 Well depth (ft): 120
 Aquifer(s): QUATERNARY ALLUVIUM

Water Level Change
1 year: 5.18
5 year: 16.55
10 year: 11.20

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
3/18/1994	99.80	6100.20	2.60
3/4/1997	107.25	6092.75	-7.45
2/27/1998	107.80	6092.20	-0.55
2/17/1999	105.15	6094.85	2.65
2/1/2000	97.80	6102.20	7.35
2/5/2001	98.60	6101.40	-0.80
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

All Historic Measurements



Well Name: BS-19

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

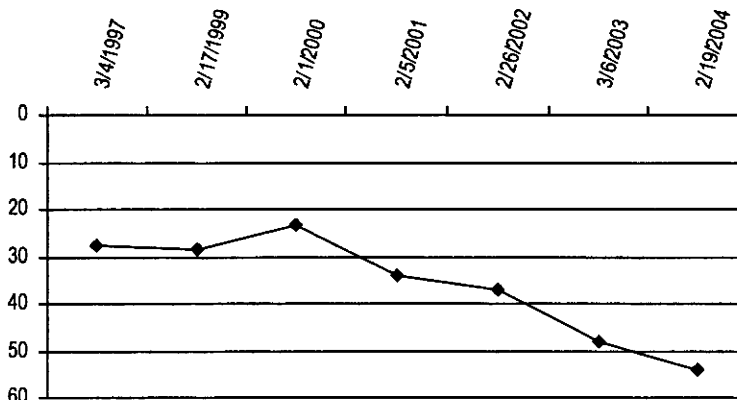
Surface Elevation (ft): 6220
 Well depth (ft): 136
 Aquifer(s): QUATERNARY ALLUVIUM

Water Level Change
1 year: -6.11
5 year: -25.41
10 year:

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
3/4/1997	27.70	6192.30	
2/17/1999	28.60	6191.40	-0.90
2/1/2000	23.40	6196.60	5.20
2/5/2001	34.02	6185.98	-10.62
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

All Historic Measurements



UPPER BLACK SQUIRREL

Well Name: BS-07

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

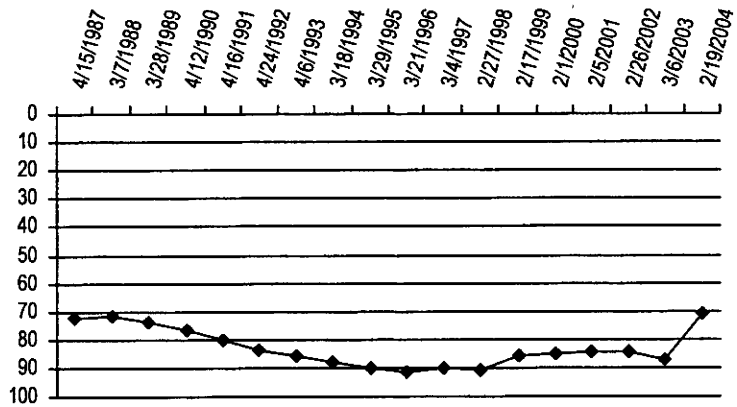
Surface Elevation (ft): 6060
 Well depth (ft): 110
 Aquifer(s): QUATERNARY ALLUVIUM

Water Level Change
 1 year: 15.94
 5 year: 14.94
 10 year: 17.04

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
3/18/1994	88.05	5971.95	-2.35
3/29/1995	90.25	5969.75	-2.20
3/21/1996	91.18	5968.82	-0.93
3/4/1997	90.25	5969.75	0.93
2/27/1998	90.88	5969.12	-0.63
2/17/1999	85.95	5974.05	4.93
2/1/2000	84.83	5975.17	1.12
2/5/2001	84.55	5975.45	0.28
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

All Historic Measurements



Well Name: BS-10

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

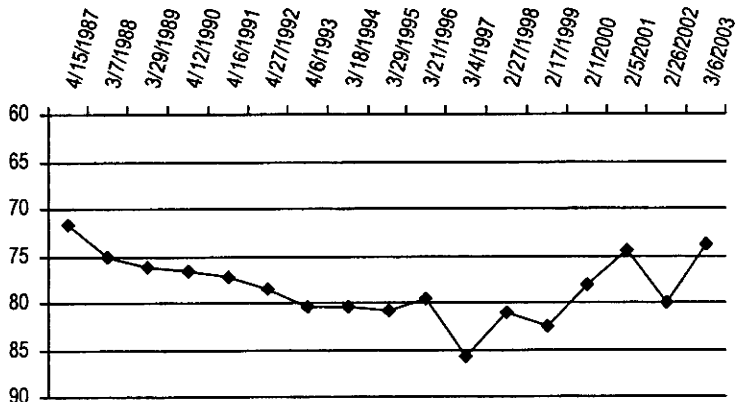
Surface Elevation (ft): 6030
 Well depth (ft): 136
 Aquifer(s): QUATERNARY ALLUVIUM

Water Level Change
 1 year: 6.32
 5 year: 7.27
 10 year: 6.67

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
3/18/1994	80.50	5949.50	-0.10
3/29/1995	80.80	5949.20	-0.30
3/21/1996	79.55	5950.45	1.25
3/4/1997	85.80	5944.20	-6.25
2/27/1998	81.00	5949.00	4.80
2/17/1999	82.55	5947.45	-1.55
2/1/2000	78.10	5951.90	4.45
2/5/2001	74.40	5955.60	3.70
2/26/2002	80.05	5949.95	-5.65
3/6/2003	73.73	5956.27	6.32

All Historic Measurements



UPPER BLACK SQUIRREL

Well Name: BS-10A

Permit #: 27608 - FP - Location #: SC01406208BD USGS Site ID:

Division: 2 Water District: 10 County: EL PASO
 Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
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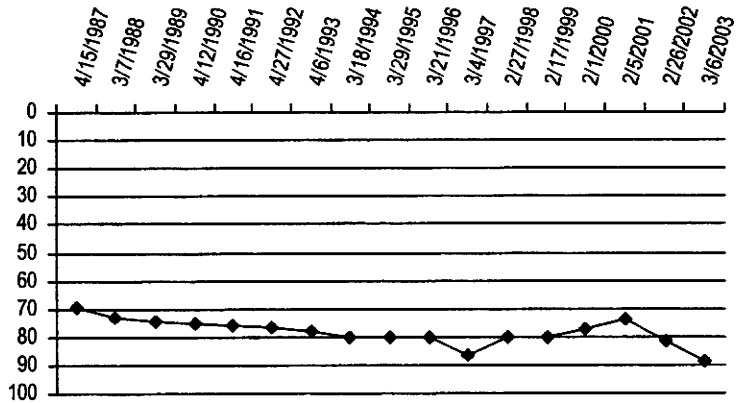
UTM Coordinates (NAD83): Northing (UTM y): 4300171.7 Easting (UTM x): 555435.5 GPS
 Latitude/Longitude (decimal degrees): 38.848618 -104.361168

Surface Elevation (ft): 6000 **Water Level Change**
 Well depth (ft): 155 **1 year:** -7.46
 Aquifer(s): QUATERNARY ALLUVIUM **5 year:** -8.31
10 year: -10.71

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
3/18/1994	79.93	5920.07	-1.88
3/29/1995	79.79	5920.21	0.14
3/21/1996	79.95	5920.05	-0.16
3/4/1997	86.60	5913.40	-6.65
2/27/1998	80.45	5919.55	6.15
2/17/1999	80.40	5919.60	0.05
2/1/2000	77.60	5922.40	2.80
2/5/2001	73.50	5926.50	4.10
2/26/2002	81.30	5918.70	-7.80
3/6/2003	88.76	5911.24	-7.46

All Historic Measurements



Well Name: BS-10B

Permit #: 16010 - FP - Location #: SC01406208BD USGS Site ID:

Division: 2 Water District: 10 County: EL PASO
 Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
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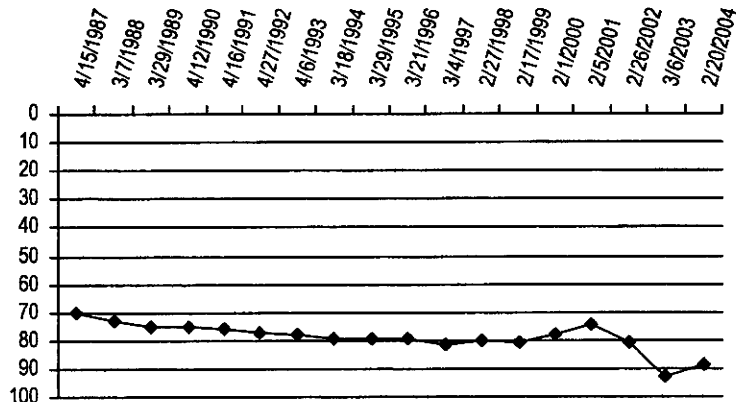
UTM Coordinates (NAD83): Northing (UTM y): 4299925.7 Easting (UTM x): 555458.5 GPS
 Latitude/Longitude (decimal degrees): 38.846400 -104.360923

Surface Elevation (ft): 6000 **Water Level Change**
 Well depth (ft): 148 **1 year:** 4.38
 Aquifer(s): QUATERNARY ALLUVIUM **5 year:** -8.17
10 year: -9.17

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
3/18/1994	79.50	5920.50	-1.59
3/29/1995	79.67	5920.33	-0.17
3/21/1996	79.55	5920.45	0.12
3/4/1997	81.70	5918.30	-2.15
2/27/1998	79.95	5920.05	1.75
2/17/1999	80.50	5919.50	-0.55
2/1/2000	77.80	5922.20	2.70
2/5/2001	74.50	5925.50	3.30
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

All Historic Measurements



UPPER BLACK SQUIRREL

Well Name: BS-10R

Permit #: - - Location #: SC01406208CAD USGS Site ID:
 Division: 2 Water District: 10 County: EL PASO
 Location: Q160 Q40 Q10 Section Twtnshp 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

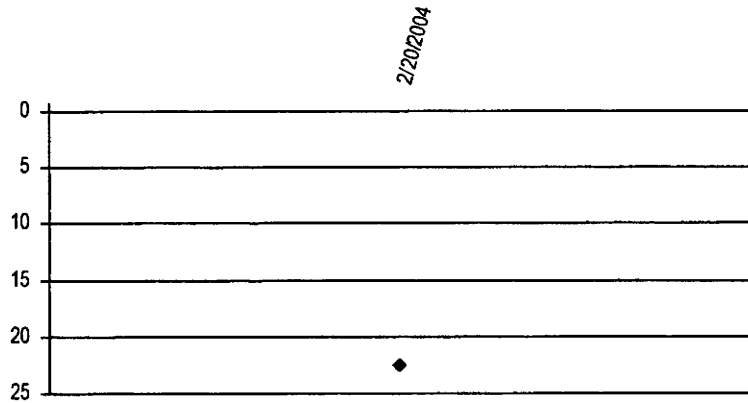
Surface Elevation (ft): 6035
 Well depth (ft):
 Aquifer(s): QUATERNARY ALLUVIUM

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

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/20/2004	22.60	6012.40	

All Historic Measurements



Well Name: BS-12

Permit #: 2449 - FP - Location #: SC01406216CA USGS Site ID:
 Division: 2 Water District: 10 County: EL PASO
 Location: Q160 Q40 Q10 Section Twtnshp 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

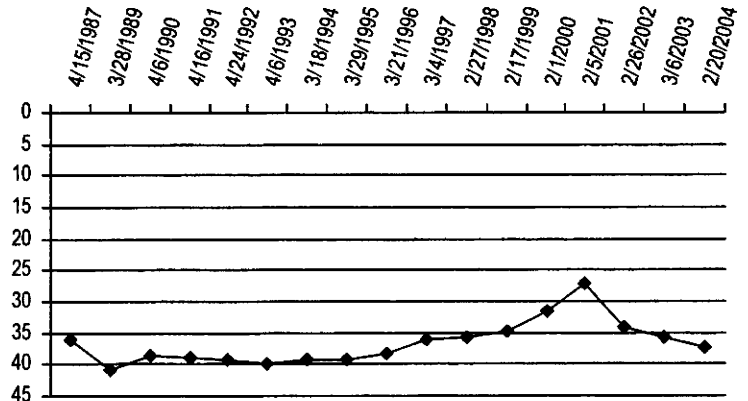
Surface Elevation (ft): 5940
 Well depth (ft): 50
 Aquifer(s): QUATERNARY ALLUVIUM

Water Level Change
 1 year: -1.67
 5 year: -2.47
 10 year: 1.83

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
3/18/1994	39.17	5900.83	0.60
3/29/1995	39.20	5900.80	-0.03
3/21/1996	38.16	5901.84	1.04
3/4/1997	36.12	5903.88	2.04
2/27/1998	35.62	5904.38	0.50
2/17/1999	34.87	5905.13	0.75
2/1/2000	31.67	5908.33	3.20
2/5/2001	27.22	5912.78	4.45
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

All Historic Measurements



UPPER BLACK SQUIRREL

Well Name: BS-18

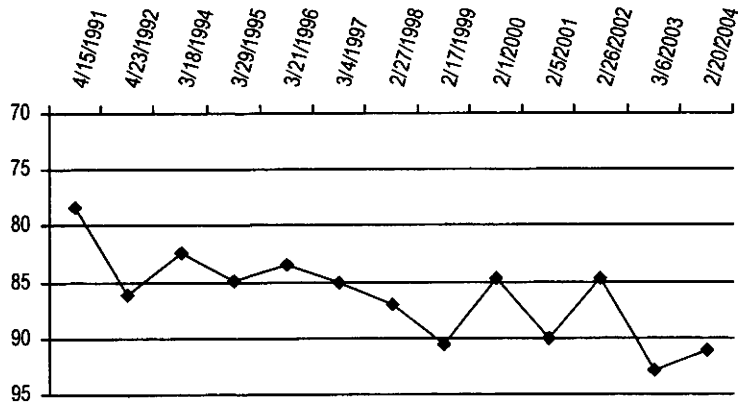
Permit #: - - Location #: SC01406217AB USGS Site ID:
 Division: 2 Water District: 10 County: EL PASO
 Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
 NE NW 17 14 S 62 W S From N/S line: From E/W line:
 UTM Coordinates (NAD83): Northing (UTM y): 4299033.7 Easting (UTM x):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

Surface Elevation (ft): 5950 **Water Level Change**
 Well depth (ft): 70 **1 year:** 1.73
 Aquifer(s): QUATERNARY ALLUVIUM **5 year:** -0.68
10 year: -8.83

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
3/18/1994	82.35	5867.65	3.70
3/29/1995	84.92	5865.08	-2.57
3/21/1996	83.45	5866.55	1.47
3/4/1997	85.10	5864.90	-1.65
2/27/1998	87.00	5863.00	-1.90
2/17/1999	90.50	5859.50	-3.50
2/1/2000	84.80	5865.20	5.70
2/5/2001	89.95	5860.05	-5.15
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

All Historic Measurements



Well Name: BS-08

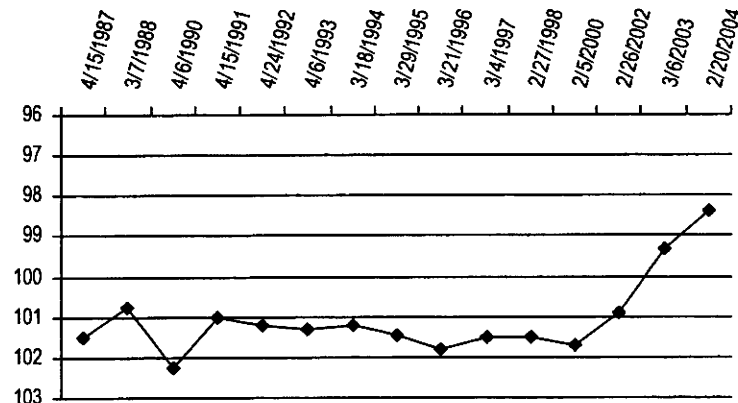
Permit #: 13673 - FP - Location #: SC01406218BC USGS Site ID:
 Division: 2 Water District: 10 County: EL PASO
 Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
 NW SW 18 14 S 62 W S From N/S line: From E/W line:
 UTM Coordinates (NAD83): Northing (UTM y): 4298189.7 Easting (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:** 0.98
 Aquifer(s): QUATERNARY ALLUVIUM **5 year:** 2.83
10 year: 2.83

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
3/18/1994	101.20	5883.80	0.10
3/29/1995	101.45	5883.55	-0.25
3/21/1996	101.80	5883.20	-0.35
3/4/1997	101.50	5883.50	0.30
2/27/1998	101.50	5883.50	0.00
2/5/2000	101.70	5883.30	-0.20
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

All Historic Measurements



UPPER BLACK SQUIRREL

Well Name: BS-13

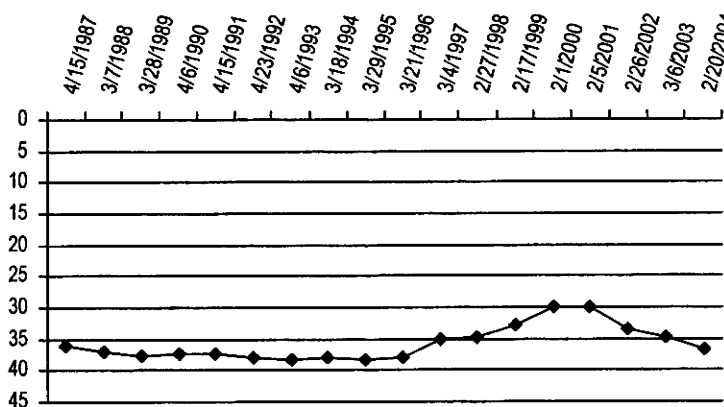
Permit #: 3485 - FP - Location #: SC01406221BA USGS Site ID:
 Division: 2 Water District: 10 County: EL PASO
 Location: Q160 Q40 Q10 Section Twntshp Range PM Distance from section lines:
 NW NE 21 14 S 62 W S From N/S line: From E/W line:
 UTM Coordinates (NAD83): Northing (UTM y): 4297459.6 Easting (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:** -1.65
 Aquifer(s): QUATERNARY ALLUVIUM **5 year:** -3.83
10 year: 1.32

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
3/18/1994	37.87	5882.13	0.58
3/29/1995	38.28	5881.72	-0.41
3/21/1996	37.82	5882.18	0.46
3/4/1997	35.17	5884.83	2.65
2/27/1998	34.82	5885.18	0.35
2/17/1999	32.72	5887.28	2.10
2/1/2000	30.12	5889.88	2.60
2/5/2001	29.92	5890.08	0.20
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

All Historic Measurements



Well Name: BS-14

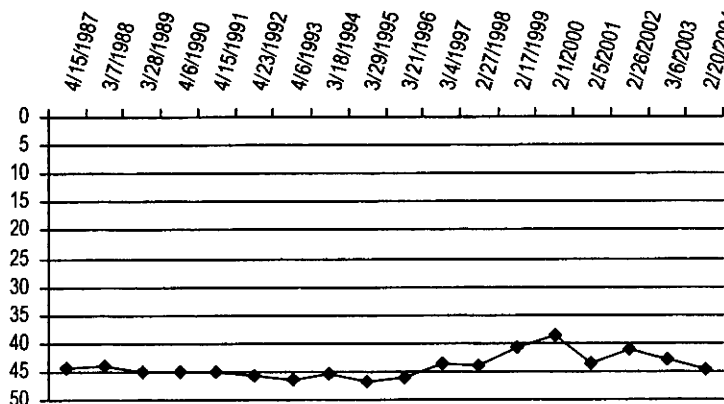
Permit #: - - Location #: SC01406221BB USGS Site ID:
 Division: 2 Water District: 10 County: EL PASO
 Location: Q160 Q40 Q10 Section Twntshp Range PM Distance from section lines:
 NW NW 21 14 S 62 W S From N/S line: From E/W line:
 UTM Coordinates (NAD83): Northing (UTM y): 4297140.6 Easting (UTM x): 556406.5 GPS
 Latitude/Longitude (decimal degrees): 38.821244 -104.350228

Surface Elevation (ft): 5925 **Water Level Change**
 Well depth (ft): 61 **1 year:** -1.81
 Aquifer(s): QUATERNARY ALLUVIUM **5 year:** -3.71
10 year: 0.89

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
3/18/1994	45.50	5879.50	0.80
3/29/1995	46.65	5878.35	-1.15
3/21/1996	46.25	5878.75	0.40
3/4/1997	43.75	5881.25	2.50
2/27/1998	43.90	5881.10	-0.15
2/17/1999	40.90	5884.10	3.00
2/1/2000	38.80	5886.20	2.10
2/5/2001	43.55	5881.45	-4.75
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

All Historic Measurements



UPPER BLACK SQUIRREL

Well Name: BS-15B

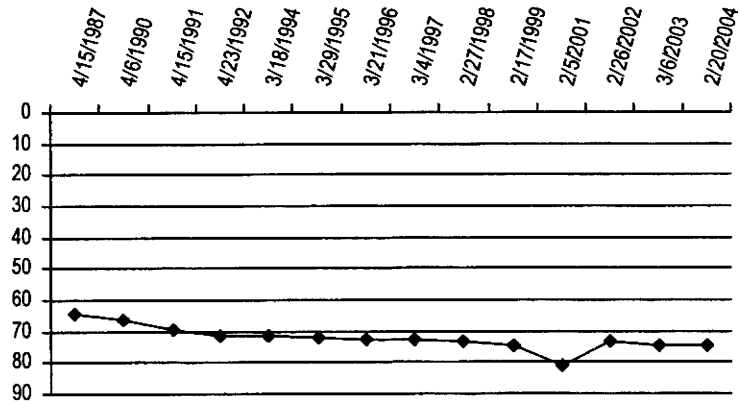
Permit #: 20528 - FP - Location #: SC01406232BB USGS Site ID:
 Division: 2 Water District: 10 County: EL PASO
 Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
 NW NW 32 14 S 62 W S From N/S line: From E/W line:
 UTM Coordinates (NAD83): Northing (UTM y): 4294218.7 Easting (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:** -0.01
 Aquifer(s): QUATERNARY ALLUVIUM **5 year:** 0.31
10 year: -3.24

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
3/18/1994	71.35	5788.65	0.05
3/29/1995	72.20	5787.80	-0.85
3/21/1996	72.75	5787.25	-0.55
3/4/1997	73.05	5786.95	-0.30
2/27/1998	73.20	5786.80	-0.15
2/17/1999	74.90	5785.10	-1.70
2/5/2001	80.90	5779.10	-6.00
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

All Historic Measurements



Well Name: BS-23

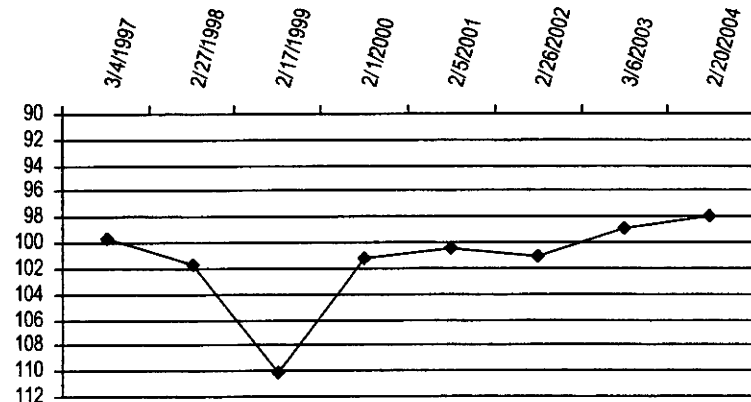
Permit #: 16516 - - Location #: SC01406324AA USGS Site ID:
 Division: 2 Water District: 10 County: EL PASO
 Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
 NE NE 32 14 S 63 W S From N/S line: From E/W line:
 UTM Coordinates (NAD83): Northing (UTM y): 4297546.7 Easting (UTM x): 553173.5 GPS
 Latitude/Longitude (decimal degrees): 38.825104 -104.387437

Surface Elevation (ft): 5690 **Water Level Change**
 Well depth (ft): 110 **1 year:** 0.93
 Aquifer(s): QUATERNARY ALLUVIUM **5 year:** 12.13
10 year:

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
3/4/1997	99.65	5590.35	
2/27/1998	101.70	5588.30	-2.05
2/17/1999	110.10	5579.90	-8.40
2/1/2000	101.20	5588.80	8.90
2/5/2001	100.52	5589.48	0.68
2/26/2002	101.15	5588.85	-0.63
3/6/2003	98.90	5591.10	2.25
2/20/2004	97.97	5592.03	0.93

All Historic Measurements



UPPER BLACK SQUIRREL

Well Name: BS-24

Permit #: 196677 - - Location #: SC01506301DB USGS Site ID:

Division: 2 Water District: 10 County: EL PASO

Location: Q160 Q40 Q10 Section Township Range PM Distance from section lines:
 SW NW 1 15 S 63 W S From N/S line: From E/W line:

UTM Coordinates (NAD83): Northing (UTM y): 4291506.7 Easting (UTM x): 552983.5 GPS

Latitude/Longitude (decimal degrees): 38.770688 -104.390090

Surface Elevation (ft): 5820 **Water Level Change**

Well depth (ft): 160 **1 year:**

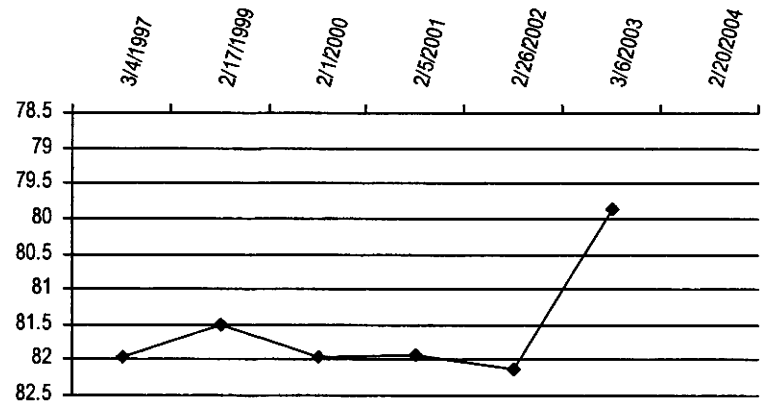
Aquifer(s): QUATERNARY ALLUVIUM **5 year:**

10 year:

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
3/4/1997	81.95	5738.05	
2/17/1999	81.50	5738.50	0.45
2/1/2000	81.95	5738.05	-0.45
2/5/2001	81.92	5738.08	0.03
2/26/2002	82.12	5737.88	-0.20
3/6/2003	79.87	5740.13	2.25
2/20/2004			

All Historic Measurements



Well Name: BS-16

Permit #: 2451 - FP - Location #: SC01506324DA USGS Site ID:

Division: 2 Water District: 10 County: EL PASO

Location: Q160 Q40 Q10 Section Township 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 **Water Level Change**

Well depth (ft): 67 **1 year:**

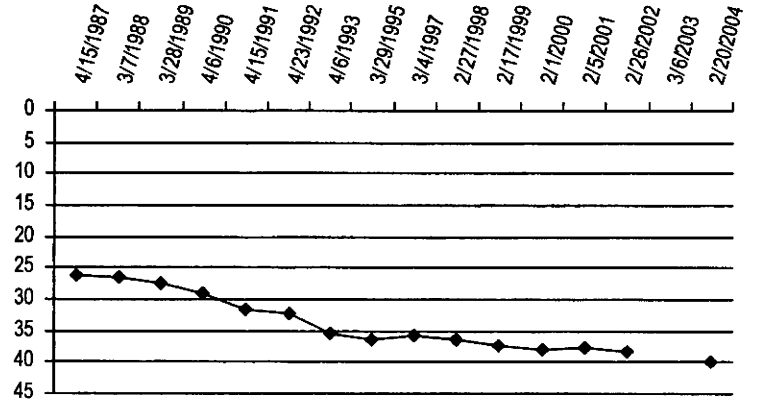
Aquifer(s): QUATERNARY ALLUVIUM **5 year: -2.50**

10 year:

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
3/29/1995	36.44	5653.56	-0.88
3/4/1997	35.69	5654.31	0.75
2/27/1998	36.44	5653.56	-0.75
2/17/1999	37.28	5652.72	-0.84
2/1/2000	38.09	5651.91	-0.81
2/5/2001	37.54	5652.46	0.55
2/26/2002	38.24	5651.76	-0.70
3/6/2003			
2/20/2004	39.78	5650.22	

All Historic Measurements



UPPER BLACK SQUIRREL

Well Name: BS-17

Permit #: 6494 - FP -

Location #: SC01506324DA

USGS Site ID:

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

Location: Q160 Q40 Q10 **Section** **Twnshp** **Range** **PM** **Distance from section lines:**
 SE NE 24 15 S 63 W S **From N/S line:** **From E/W line:**

UTM Coordinates (NAD83): **Northing (UTM y):** 4294591.7 **Easting (UTM x):** 552771.5 **GPS**

Latitude/Longitude (decimal degrees): 38.798500 -104.392294

Surface Elevation (ft): 5680
Well depth (ft): 31
Aquifer(s): QUATERNARY ALLUVIUM

Water Level Change
1 year: -0.25
5 year: -0.70
10 year: -8.70

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
3/18/1994	34.45	5645.55	1.78
3/29/1995	37.12	5642.88	-2.67
3/21/1996	37.60	5642.40	-0.48
3/4/1997	40.60	5639.40	-3.00
2/27/1998	40.95	5639.05	-0.35
2/17/1999	42.45	5637.55	-1.50
2/1/2000	37.15	5642.85	5.30
2/5/2001	42.70	5637.30	-5.55
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

All Historic Measurements

