

**GROUND WATER LEVELS
UPPER BIG SANDY
DESIGNATED GROUND WATER BASIN
MARCH 2006**

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by
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**Hal D. Simpson
State Engineer**

**Dave McElhaney
Project Manager**

**GROUND WATER LEVELS
IN THE
UPPER BIG SANDY
DESIGNATED BASIN**

March 2006

**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 Upper Big Sandy Designated Ground Water Basin during the period from February 1991 through February 2006. Acquisition and publication of this information is a cooperative effort between the Upper Big Sandy 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.

With the exception of one group of wells, the wells in this report are listed by township, range, and section, beginning at the north end of the basin and proceeding south. The exception consists of five of the seven monitoring and production wells owned by the Town of Limon. The data sheets for the five monitoring wells located in the vicinity of the town have all been placed together at the back of the report. The locations of these five wells are shown on a map or maps included with the data sheets. The data sheets for the town's Frasier Farms production well and the well identified as Big Sandy No. 4 are indexed by location. Maps are included with the report that show the locations of wells in both groups.

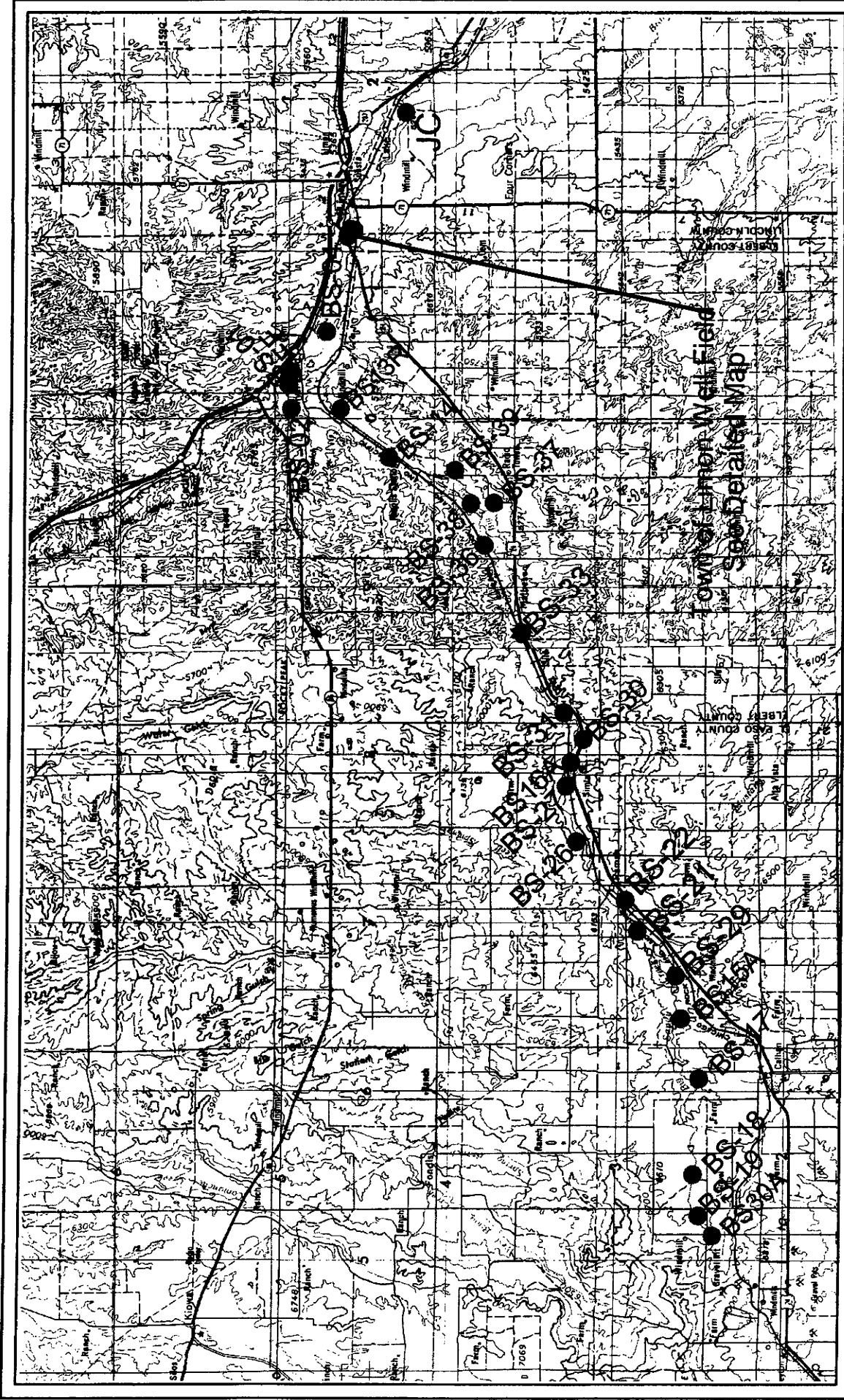
The report contains water level measurements for twenty-nine wells monitored on a regular basis. One well could not be measured in February 2006 because it had been converted from an irrigation well to a domestic water supply well, and down hole pumping equipment obstructed the well bore. Hydrographs are presented for wells with more than five annual measurements. Water level measurements in wells were taken on February 20 and February 21, 2006.

The twenty-nine wells measured for this year's report show an average water level decline of -0.18 foot since March of 2005. Water levels increased in eight of the wells, and decreased in nineteen of the wells, and remained the same in two wells. The changes ranged from an increase of 1.08 feet to a decline of -1.25 feet. The Town of Limon's Christopher Well Field wells, with the exception of one well, which remained the same, showed increases in the static water level.

For the last five years, ground water levels have declined at an average rate of -0.39 foot per year, whereas over the last ten years, the average rate of decline has been -0.08 foot.

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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Monitoring Well Locations
Upper Big Sandy Designated Ground Water Basin

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UPPER BIG SANDY

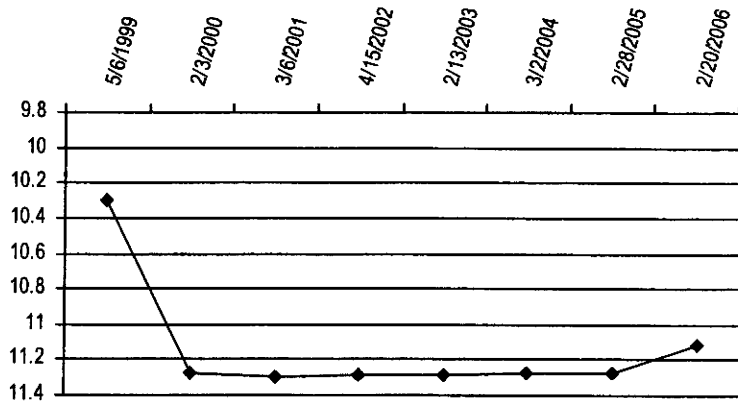
Well Name: JOHN CRAIG **Owner:** UPPER BIG SANDY GWMD
Permit #: 35186 - MH - **Location #:** SC00905626DCC **USGS Site ID:**
Division: 2 **Water District:** 67 **County:** LINCOLN
Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
 SE SW SW 26 9 S 56 W S *From N/S line:* 150 S *From E/W line:* 2510 E
UTM Coordinates (NAD83): *Northing (UTM y):* 4343186.4 *Easting (UTM x):* 618194.4 *GPS*
Latitude/Longitude (decimal degrees): 39.229933 -103.630622

Surface Elevation (ft): 5280 **Water Level Change**
Well depth (ft): 40 **1 year:** 0.15
Aquifer(s): QUATERNARY ALLUVIUM **5 year:** 0.18
10 year:

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
5/6/1999	10.30	5269.70	
2/3/2000	11.27	5268.73	-0.97
3/6/2001	11.30	5268.70	-0.03
4/15/2002	11.29	5268.71	0.01
2/13/2003	11.29	5268.71	0.00
3/2/2004	11.27	5268.73	0.02
2/28/2005	11.27	5268.73	0.00
2/20/2006	11.12	5268.88	0.15

All Historic Measurements



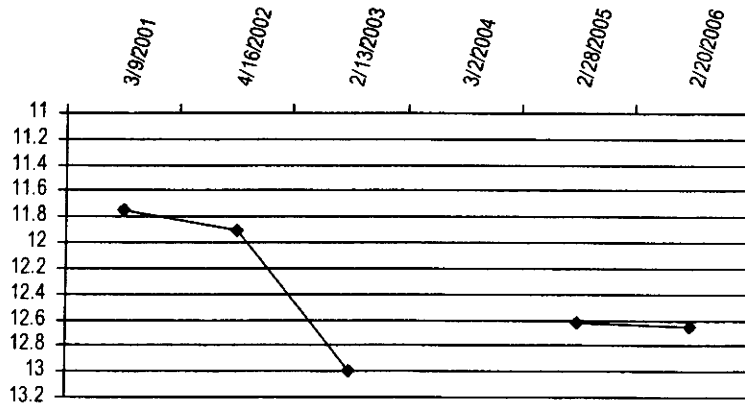
Well Name: FRASIER FARMS **Owner:** TOWN OF LIMON
Permit #: 21896 - F - **Location #:** SC00905706DA **USGS Site ID:**
Division: 2 **Water District:** 67 **County:** ELBERT
Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
 SE NE 6 9 S 57 W S *From N/S line:* 1950 S *From E/W line:* 70 E
UTM Coordinates (NAD83): *Northing (UTM y):* 4350014.5 *Easting (UTM x):* 602758.4 *GPS*
Latitude/Longitude (decimal degrees): 39.293413 -103.808380

Surface Elevation (ft): 5490 **Water Level Change**
Well depth (ft): 58 **1 year:** -0.03
Aquifer(s): QUATERNARY ALLUVIUM **5 year:** -0.91
10 year:

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
3/9/2001	11.75	5478.25	
4/16/2002	11.91	5478.09	-0.16
2/13/2003	12.99	5477.01	-1.08
3/2/2004			
2/28/2005	12.63	5477.37	
2/20/2006	12.66	5477.34	-0.03

All Historic Measurements



UPPER BIG SANDY

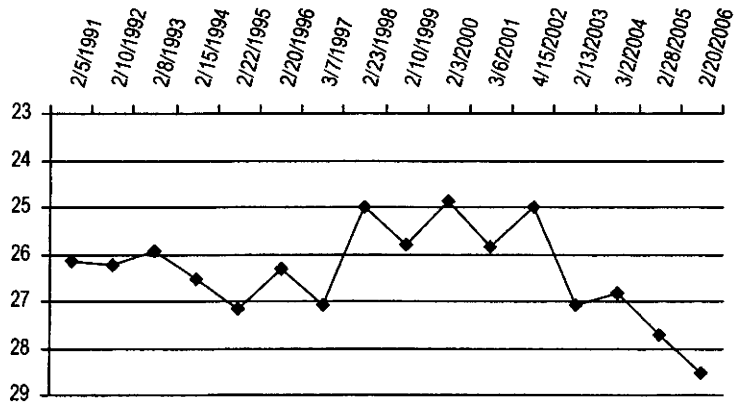
Well Name: BIG SANDY - 1 **Owner:** UPPER BIG SANDY GWMD
Permit #: 37086 - M - **Location #:** SC00905706DBB **USGS Site ID:**
Division: 2 **Water District:** 67 **County:** ELBERT
Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
SE NW NW 6 9 S 57 W S From N/S line: 2550 N From E/W line: 2358 W
UTM Coordinates (NAD83): Northing (UTM y): 4350177.5 Easting (UTM x): 601972.4 GPS
Latitude/Longitude (decimal degrees): 39.294974 -103.817468

Surface Elevation (ft): 5520 **Water Level Change**
Well depth (ft): 65 **1 year:** -0.78
Aquifer(s): QUATERNARY ALLUVIUM **5 year:** -2.66
10 year: -2.22

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/20/1996	26.30	5493.70	0.87
3/7/1997	27.07	5492.93	-0.77
2/23/1998	24.99	5495.01	2.08
2/10/1999	25.79	5494.21	-0.80
2/3/2000	24.89	5495.11	0.90
3/6/2001	25.86	5494.14	-0.97
4/15/2002	25.00	5495.00	0.86
2/13/2003	27.07	5492.93	-2.07
3/2/2004	26.82	5493.18	0.25
2/28/2005	27.74	5492.26	-0.92
2/20/2006	28.52	5491.48	-0.78

All Historic Measurements



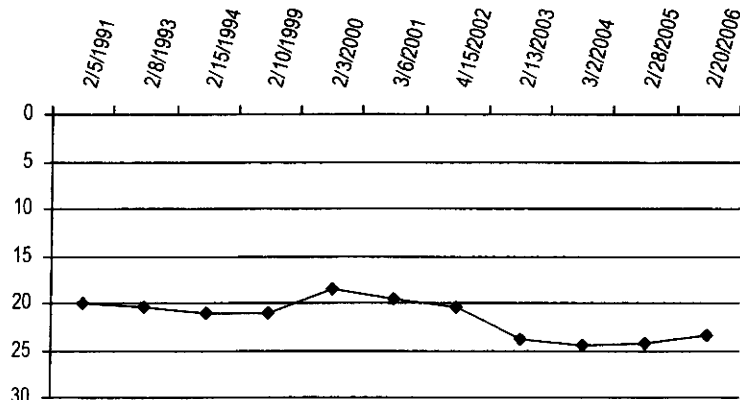
Well Name: BIG SANDY - 4 **Owner:** TOWN OF LIMON
Permit #: 20007 - RF - **Location #:** SC00905709DCC **USGS Site ID:**
Division: 2 **Water District:** 67 **County:** ELBERT
Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
SE SW SW 9 9 S 57 W S From N/S line: 348 S From E/W line: 2456 W
UTM Coordinates (NAD83): Northing (UTM y): 4347932.5 Easting (UTM x): 605166.4 GPS
Latitude/Longitude (decimal degrees): 39.274367 -103.780788

Surface Elevation (ft): 5458 **Water Level Change**
Well depth (ft): 58 **1 year:** 0.83
Aquifer(s): QUATERNARY ALLUVIUM **5 year:** -3.85
10 year:

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/10/1999	21.10	5436.90	0.00
2/3/2000	18.51	5439.49	2.59
3/6/2001	19.53	5438.47	-1.02
4/15/2002	20.36	5437.64	-0.83
2/13/2003	23.73	5434.27	-3.37
3/2/2004	24.51	5433.49	-0.78
2/28/2005	24.21	5433.79	0.30
2/20/2006	23.38	5434.62	0.83

All Historic Measurements



UPPER BIG SANDY

Well Name: BIG SANDY - 2 **Owner:** UPPER BIG SANDY GWMD
Permit #: 37088 - M - **Location #:** SC00905801DBB **USGS Site ID:**

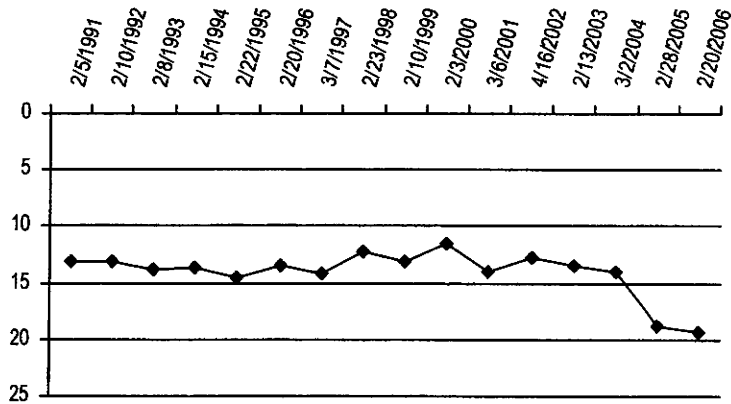
Division: 2 **Water District:** 67 **County:** ELBERT
Location: Q160 Q40 Q10 Section Twtnshp Range PM Distance from section lines:
 SE NW NW 1 9 S 58 W S From N/S line: 2241 S From EW line: 2313 E
UTM Coordinates (NAD83): Northing (UTM y): 4350015.5 Easting (UTM x): 600544.4 GPS
Latitude/Longitude (decimal degrees): 39.293682 -103.834049

Surface Elevation (ft): 5520 **Water Level Change**
Well depth (ft): 90 **1 year:** -0.66
Aquifer(s): QUATERNARY ALLUVIUM **5 year:** -5.39
 10 year: -5.99

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/20/1996	13.41	5506.59	1.05
3/7/1997	14.18	5505.82	-0.77
2/23/1998	12.16	5507.84	2.02
2/10/1999	13.16	5506.84	-1.00
2/3/2000	11.61	5508.39	1.55
3/6/2001	14.01	5505.99	-2.40
4/16/2002	12.80	5507.20	1.21
2/13/2003	13.52	5506.48	-0.72
3/2/2004	14.05	5505.95	-0.53
2/28/2005	18.74	5501.26	-4.69
2/20/2006	19.40	5500.60	-0.66

All Historic Measurements



Well Name: BIG SANDY - 13(R) **Owner:** LARRY HUBBARD
Permit #: 2653 - FR - **Location #:** SC00905813ACC **USGS Site ID:**

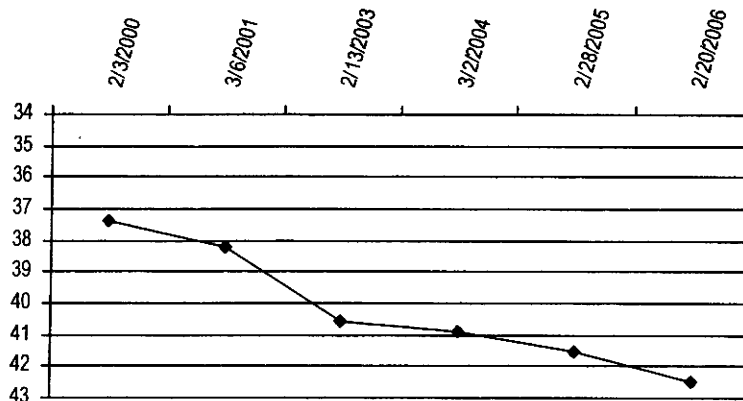
Division: 2 **Water District:** 67 **County:** ELBERT
Location: Q160 Q40 Q10 Section Twtnshp Range PM Distance from section lines:
 NE SW SW 13 9 S 58 W S From N/S line: 2398 N From EW line: 2582 E
UTM Coordinates (NAD83): Northing (UTM y): 4347045.5 Easting (UTM x): 600533.4 GPS
Latitude/Longitude (decimal degrees): 39.266926 -103.834620

Surface Elevation (ft): 5584 **Water Level Change**
Well depth (ft): 110 **1 year:** -1.00
Aquifer(s): QUATERNARY ALLUVIUM **5 year:** -4.29
 10 year:

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/3/2000	37.37	5546.63	
3/6/2001	38.23	5545.77	-0.86
2/13/2003	40.58	5543.42	-2.35
3/2/2004	40.91	5543.09	-0.33
2/28/2005	41.52	5542.48	-0.61
2/20/2006	42.52	5541.48	-1.00

All Historic Measurements



UPPER BIG SANDY

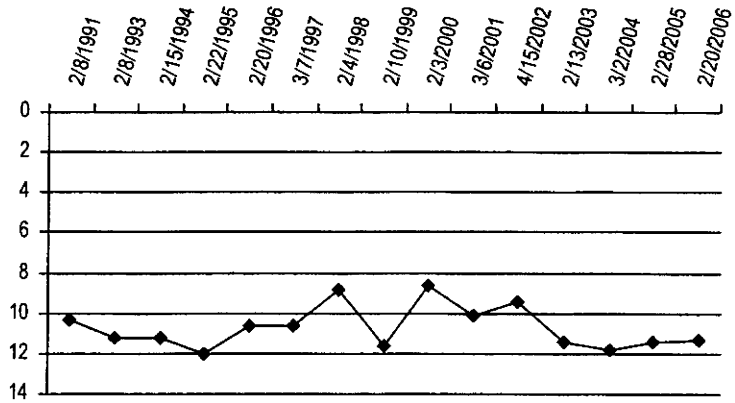
Well Name: BIG SANDY - 14 **Owner:** VIVIAN MOCK
Permit #: 15956 - R - **Location #:** SC00905827ACA **USGS Site ID:**
Division: 2 **Water District:** 67 **County:** ELBERT
Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
NE SW NE 27 9 S 58 W S From N/S line: 1572 N From E/W line: 1429 E
UTM Coordinates (NAD83): Northing (UTM y): 4344059.5 Easting (UTM x): 597659.4 GPS
Latitude/Longitude (decimal degrees): 39.240353 -103.868362

Surface Elevation (ft): 5619 **Water Level Change**
Well depth (ft): 56 **1 year:** 0.07
Aquifer(s): QUATERNARY ALLUVIUM **5 year:** -1.22
10 year: -0.67

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/20/1996	10.63	5608.37	1.42
3/7/1997	10.60	5608.40	0.03
2/4/1998	8.83	5610.17	1.77
2/10/1999	11.62	5607.38	-2.79
2/3/2000	8.68	5610.32	2.94
3/6/2001	10.08	5608.92	-1.40
4/15/2002	9.42	5609.58	0.66
2/13/2003	11.39	5607.61	-1.97
3/2/2004	11.78	5607.22	-0.39
2/28/2005	11.37	5607.63	0.41
2/20/2006	11.30	5607.70	0.07

All Historic Measurements



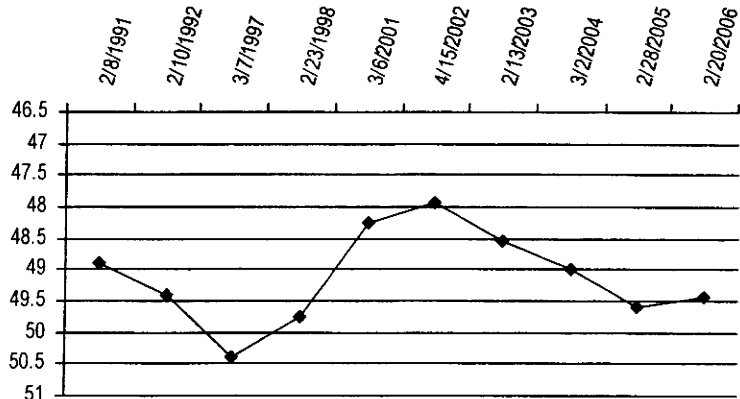
Well Name: BIG SANDY - 39 **Owner:** LASATER RANCH
Permit #: 57234 - - **Location #:** SC01005803BC **USGS Site ID:**
Division: 2 **Water District:** 67 **County:** ELBERT
Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
NW SW 3 10 S 58 W S From N/S line: 1295 S From E/W line: 1292 W
UTM Coordinates (NAD83): Northing (UTM y): 4340079.5 Easting (UTM x): 596902.4 GPS
Latitude/Longitude (decimal degrees): 39.204581 -103.877703

Surface Elevation (ft): 5688 **Water Level Change**
Well depth (ft): 87 **1 year:** 0.17
Aquifer(s): QUATERNARY ALLUVIUM **5 year:** -1.20
10 year:

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
3/7/1997	50.40	5637.60	-1.00
2/23/1998	49.75	5638.25	0.65
3/6/2001	48.24	5639.76	1.51
4/15/2002	47.93	5640.07	0.31
2/13/2003	48.53	5639.47	-0.60
3/2/2004	49.00	5639.00	-0.47
2/28/2005	49.61	5638.39	-0.61
2/20/2006	49.44	5638.56	0.17

All Historic Measurements



UPPER BIG SANDY

Well Name: BIG SANDY - 36

Owner: LINDA GLOVER

Permit #: 16983 - S -

Location #: SC01005807CD

USGS Site ID:

Division: 2 Water District: 67 County: ELBERT

Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:

SW SE 7 10 S 58 W S From N/S line: 751 S From EW line: 2687 W

UTM Coordinates (NAD83): Northing (UTM y): 4338276.5 Easting (UTM x): 592443.5 GPS

Latitude/Longitude (decimal degrees): 39.188823 -103.929584

Surface Elevation (ft): 5733

Water Level Change

Well depth (ft): 60

1 year: -0.45

Aquifer(s): QUATERNARY ALLUVIUM

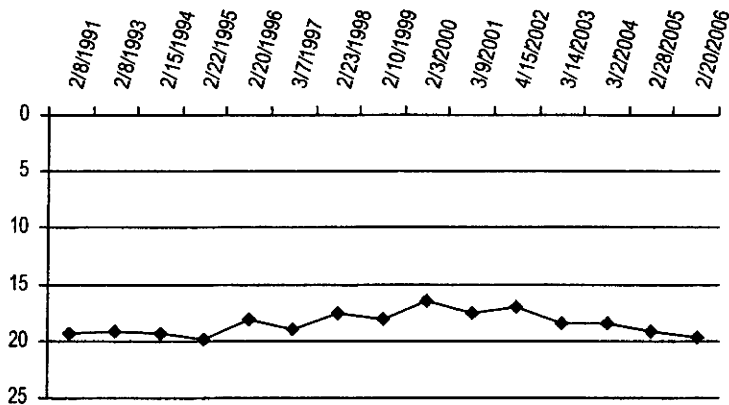
5 year: -2.08

10 year: -1.49

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/20/1996	18.12	5714.88	1.78
3/7/1997	18.90	5714.10	-0.78
2/23/1998	17.62	5715.38	1.28
2/10/1999	18.02	5714.98	-0.40
2/3/2000	16.55	5716.45	1.47
3/9/2001	17.53	5715.47	-0.98
4/15/2002	16.99	5716.01	0.54
3/14/2003	18.52	5714.48	-1.53
3/2/2004	18.38	5714.62	0.14
2/28/2005	19.16	5713.84	-0.78
2/20/2006	19.61	5713.39	-0.45

All Historic Measurements



Well Name: BIG SANDY - 38

Owner: LASATER RANCH

Permit #: - -

Location #: SC01005809BC

USGS Site ID:

Division: 2 Water District: 67 County: ELBERT

Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:

NW SW 9 10 S 58 W S From N/S line: 1740 N From EW line: 1 W

UTM Coordinates (NAD83): Northing (UTM y): 4339130.5 Easting (UTM x): 594923.4 GPS

Latitude/Longitude (decimal degrees): 39.196250 -103.900753

Surface Elevation (ft): 5683

Water Level Change

Well depth (ft): 46

1 year: -0.63

Aquifer(s): QUATERNARY ALLUVIUM

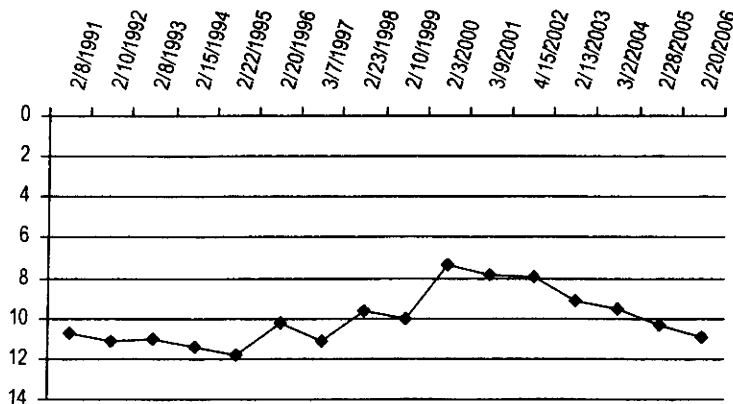
5 year: -3.06

10 year: -0.69

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/20/1996	10.26	5672.74	1.56
3/7/1997	11.17	5671.83	-0.91
2/23/1998	9.66	5673.34	1.51
2/10/1999	10.07	5672.93	-0.41
2/3/2000	7.34	5675.66	2.73
3/9/2001	7.89	5675.11	-0.55
4/15/2002	7.99	5675.01	-0.10
2/13/2003	9.11	5673.89	-1.12
3/2/2004	9.57	5673.43	-0.46
2/28/2005	10.32	5672.68	-0.75
2/20/2006	10.95	5672.05	-0.63

All Historic Measurements



UPPER BIG SANDY

Well Name: BIG SANDY - 37

Owner: LASATER RANCH

Permit #: - -

Location #: SC01005816BB

USGS Site ID:

Division: 2 **Water District:** 67 **County:** ELBERT

Location: Q160 Q40 Q10 Section **Twnshp** **Range** **PM** **Distance from section lines:**
 NW NW 16 10 S 58 W S **From N/S line:** 1078 N **From E/W line:** 175 W

UTM Coordinates (NAD83): **Northing (UTM y):** 4337734.5 **Easting (UTM x):** 594977.4 **GPS**

Latitude/Longitude (decimal degrees): 39.183666 -103.900323

Surface Elevation (ft): 5740

Water Level Change

Well depth (ft):

1 year: -0.72

Aquifer(s): QUATERNARY ALLUVIUM

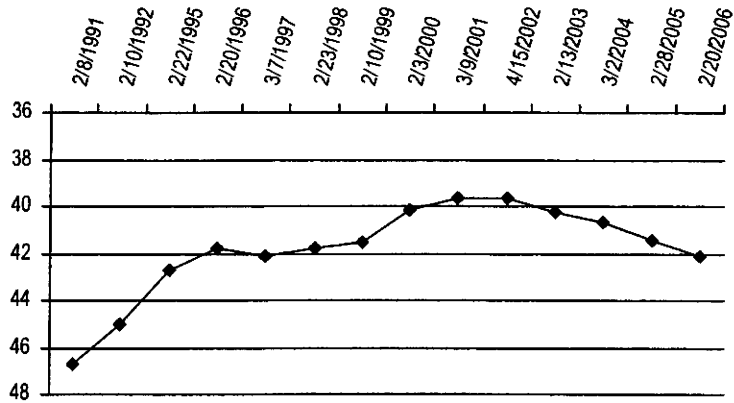
5 year: -2.50

10 year: -0.33

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/20/1996	41.80	5698.20	0.95
3/7/1997	42.14	5697.86	-0.34
2/23/1998	41.82	5698.18	0.32
2/10/1999	41.56	5698.44	0.26
2/3/2000	40.13	5699.87	1.43
3/9/2001	39.63	5700.37	0.50
4/15/2002	39.69	5700.31	-0.06
2/13/2003	40.29	5699.71	-0.60
3/2/2004	40.71	5699.29	-0.42
2/28/2005	41.41	5698.59	-0.70
2/20/2006	42.13	5697.87	-0.72

All Historic Measurements



Well Name: BIG SANDY - 33

Owner: ALFERD GIECK

Permit #: 3997 - F -

Location #: SC01005922BA

USGS Site ID:

Division: 2 **Water District:** 67 **County:** ELBERT

Location: Q160 Q40 Q10 Section **Twnshp** **Range** **PM** **Distance from section lines:**
 NW NE 22 10 S 59 W S **From N/S line:** 1183 N **From E/W line:** 1371 W

UTM Coordinates (NAD83): **Northing (UTM y):** 4335979.5 **Easting (UTM x):** 587251.5 **GPS**

Latitude/Longitude (decimal degrees): 39.168664 -103.989990

Surface Elevation (ft): 5815

Water Level Change

Well depth (ft): 53

1 year: -0.06

Aquifer(s): QUATERNARY ALLUVIUM

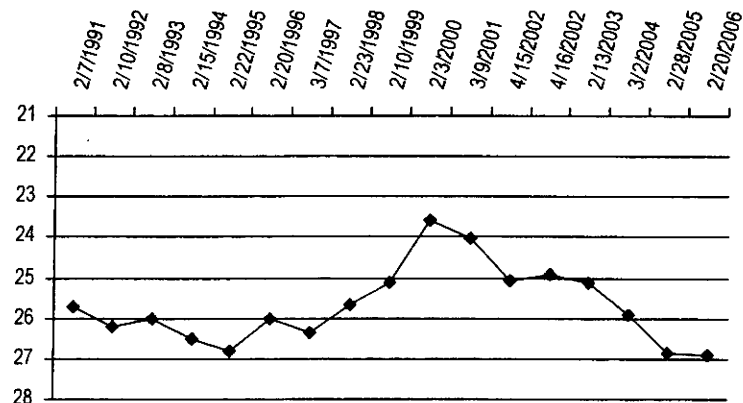
5 year: -2.89

10 year: -0.89

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/20/1996	26.03	5788.97	0.77
3/7/1997	26.37	5788.63	-0.34
2/23/1998	25.66	5789.34	0.71
2/10/1999	25.12	5789.88	0.54
2/3/2000	23.59	5791.41	1.53
3/9/2001	24.03	5790.97	-0.44
4/15/2002	25.05	5789.95	-1.02
4/16/2002	24.90	5790.10	0.15
2/13/2003	25.11	5789.89	-0.21
3/2/2004	25.91	5789.09	-0.80
2/28/2005	26.86	5788.14	-0.95
2/20/2006	26.92	5788.08	-0.06

All Historic Measurements



UPPER BIG SANDY

Well Name: BIG SANDY - 31

Owner: LASATER RANCH

Permit #: - -

Location #: SC01005930CA

USGS Site ID:

Division: 2 **Water District:** 67 **County:** ELBERT

Location: Q160 Q40 Q10 Section **Twnshp** **Range** **PM** **Distance from section lines:**

SW NE 30 10 S 59 W S **From N/S line:** 1258 S **From E/W line:** 1690 W

UTM Coordinates (NAD83): **Northing (UTM y):** 4333444.5 **Easting (UTM x):** 582518.5 **GPS**

Latitude/Longitude (decimal degrees): 39.146287 -104.045079

Surface Elevation (ft): 5895

Well depth (ft):

Aquifer(s): QUATERNARY ALLUVIUM

Water Level Change

1 year: 0.00

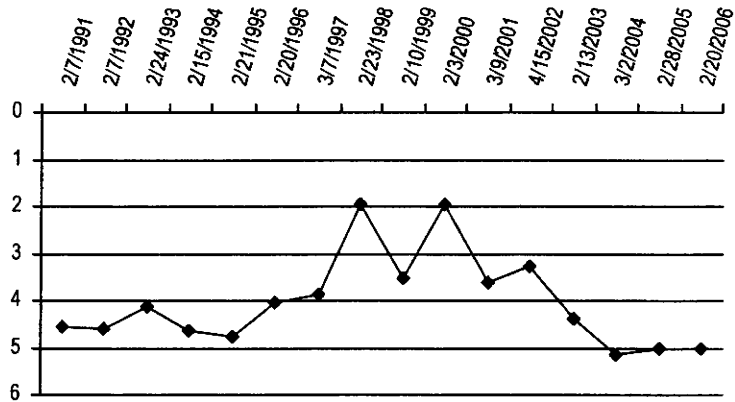
5 year: -1.43

10 year: -1.01

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/20/1996	4.03	5890.97	0.72
3/7/1997	3.88	5891.12	0.15
2/23/1998	1.96	5893.04	1.92
2/10/1999	3.54	5891.46	-1.58
2/3/2000	1.94	5893.06	1.60
3/9/2001	3.61	5891.39	-1.67
4/15/2002	3.29	5891.71	0.32
2/13/2003	4.40	5890.60	-1.11
3/2/2004	5.13	5889.87	-0.73
2/28/2005	5.04	5889.96	0.09
2/20/2006	5.04	5889.96	0.00

All Historic Measurements



Well Name: BIG SANDY - 27

Owner: MARYANN MCKIM

Permit #: 10246 - F -

Location #: SC01006027DC

USGS Site ID:

Division: 2 **Water District:** 67 **County:** ELBERT

Location: Q160 Q40 Q10 Section **Twnshp** **Range** **PM** **Distance from section lines:**

SE SW 27 10 S 60 W S **From N/S line:** 924 S **From E/W line:** 2099 E

UTM Coordinates (NAD83): **Northing (UTM y):** 4333285.5 **Easting (UTM x):** 578177.5 **GPS**

Latitude/Longitude (decimal degrees): 39.145255 -104.095326

Surface Elevation (ft): 5978

Well depth (ft): 56

Aquifer(s): QUATERNARY ALLUVIUM

Water Level Change

1 year: -0.74

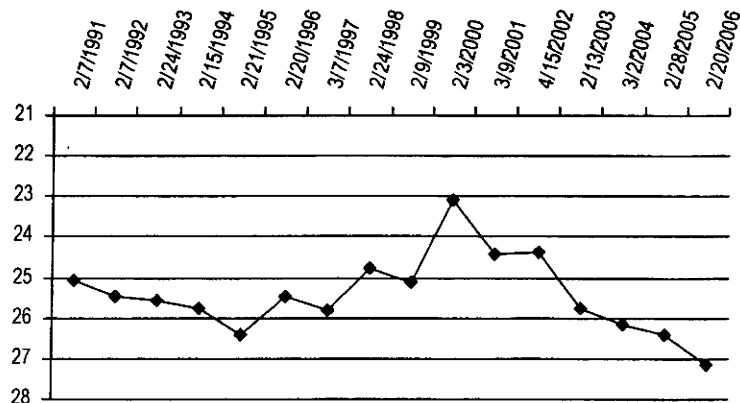
5 year: -2.72

10 year: -1.71

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/20/1996	25.46	5952.54	0.94
3/7/1997	25.83	5952.17	-0.37
2/24/1998	24.76	5953.24	1.07
2/9/1999	25.14	5952.86	-0.38
2/3/2000	23.07	5954.93	2.07
3/9/2001	24.45	5953.55	-1.38
4/15/2002	24.39	5953.61	0.06
2/13/2003	25.75	5952.25	-1.36
3/2/2004	26.17	5951.83	-0.42
2/28/2005	26.43	5951.57	-0.26
2/20/2006	27.17	5950.83	-0.74

All Historic Measurements



UPPER BIG SANDY

Well Name: BIG SANDY - 26

Owner: JOHN & JOLIE KORINEK

Permit #: - -

Location #: SC01006032AC

USGS Site ID:

Division: 2 **Water District:** 67 **County:** ELBERT

Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
NE SW 32 10 S 60 W S From N/S line: 1279 N From E/W line: 2528 E

UTM Coordinates (NAD83): Northing (UTM y): 4332625.5 Easting (UTM x): 574863.5 GPS

Latitude/Longitude (decimal degrees): 39.139600 -104.133745

Surface Elevation (ft): 6015

Water Level Change

Well depth (ft):

1 year: -1.03

Aquifer(s): QUATERNARY ALLUVIUM

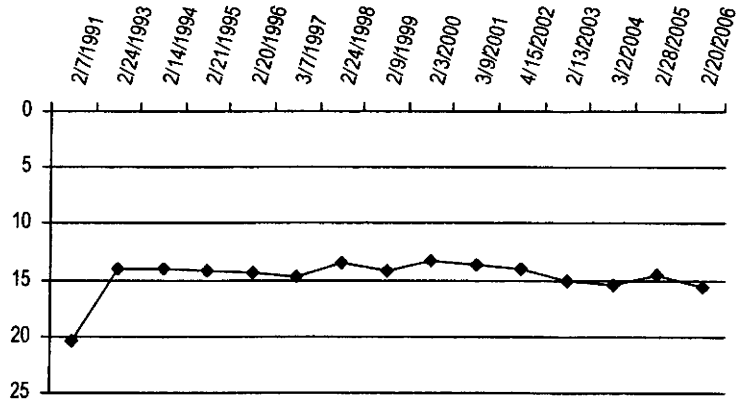
5 year: -1.96

10 year: -1.16

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/20/1996	14.37	6000.63	-0.17
3/7/1997	14.65	6000.35	-0.28
2/24/1998	13.47	6001.53	1.18
2/9/1999	14.11	6000.89	-0.64
2/3/2000	13.21	6001.79	0.90
3/9/2001	13.57	6001.43	-0.36
4/15/2002	14.04	6000.96	-0.47
2/13/2003	15.07	5999.93	-1.03
3/2/2004	15.40	5999.60	-0.33
2/28/2005	14.50	6000.50	0.90
2/20/2006	15.53	5999.47	-1.03

All Historic Measurements



Well Name: BIG SANDY - 16A

Owner: UPPER BIG SANDY GWMD

Permit #: 37087 - M -

Location #: SC01006035BAA

USGS Site ID:

Division: 2 **Water District:** 67 **County:** ELBERT

Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
NW NE NE 35 10 S 60 W S From N/S line: 37 N From E/W line: 2500 W

UTM Coordinates (NAD83): Northing (UTM y): 4333000.5 Easting (UTM x): 579581.5 GPS

Latitude/Longitude (decimal degrees): 39.142560 -104.079115

Surface Elevation (ft): 5975

Water Level Change

Well depth (ft): 62

1 year: -0.19

Aquifer(s): QUATERNARY ALLUVIUM

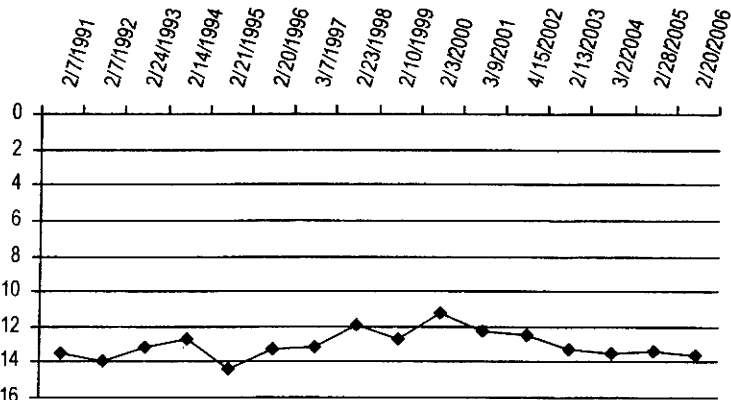
5 year: -1.40

10 year: -0.35

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/20/1996	13.25	5961.75	1.15
3/7/1997	13.13	5961.87	0.12
2/23/1998	11.88	5963.12	1.25
2/10/1999	12.75	5962.25	-0.87
2/3/2000	11.21	5963.79	1.54
3/9/2001	12.20	5962.80	-0.99
4/15/2002	12.43	5962.57	-0.23
2/13/2003	13.32	5961.68	-0.89
3/2/2004	13.55	5961.45	-0.23
2/28/2005	13.41	5961.59	0.14
2/20/2006	13.60	5961.40	-0.19

All Historic Measurements



UPPER BIG SANDY

Well Name: BIG SANDY - 30

Owner: LYLE HAMACHER

Permit #: 4339 - F -

Location #: SC01006036BC

USGS Site ID:

Division: 2 Water District: 67 County: ELBERT

Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
 NW SW 36 10 S 60 W S From N/S line: 2577 N From E/W line: 1486 W

UTM Coordinates (NAD83): Northing (UTM y): 4332269.5 Easting (UTM x): 580949.5 GPS

Latitude/Longitude (decimal degrees): 39.135847 -104.063374

Surface Elevation (ft): 5925

Water Level Change

Well depth (ft): 50

1 year: -0.42

Aquifer(s): QUATERNARY ALLUVIUM

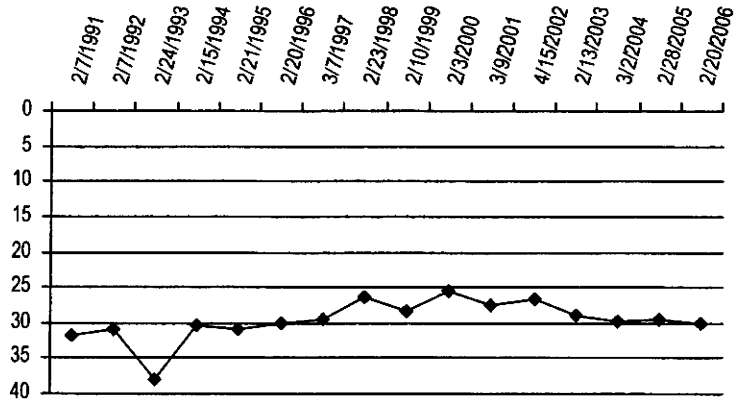
5 year: -2.61

10 year: -0.02

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/20/1996	30.04	5894.96	0.92
3/7/1997	29.55	5895.45	0.49
2/23/1998	26.50	5898.50	3.05
2/10/1999	28.48	5896.52	-1.98
2/3/2000	25.47	5899.53	3.01
3/9/2001	27.45	5897.55	-1.98
4/15/2002	26.69	5898.31	0.76
2/13/2003	28.96	5896.04	-2.27
3/2/2004	29.66	5895.34	-0.70
2/28/2005	29.64	5895.36	0.02
2/20/2006	30.06	5894.94	-0.42

All Historic Measurements



Well Name: BIG SANDY - 21

Owner: JOHN MIKITA

Permit #: 10282 - F -

Location #: SC01106111BD

USGS Site ID:

Division: 2 Water District: 67 County: EL PASO

Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
 NW SE 11 11 S 61 W S From N/S line: 2530 N From E/W line: 1298 W

UTM Coordinates (NAD83): Northing (UTM y): 4328960.6 Easting (UTM x): 569530.5 GPS

Latitude/Longitude (decimal degrees): 39.107020 -104.195823

Surface Elevation (ft): 6143

Water Level Change

Well depth (ft): 53

1 year: -0.23

Aquifer(s): QUATERNARY ALLUVIUM

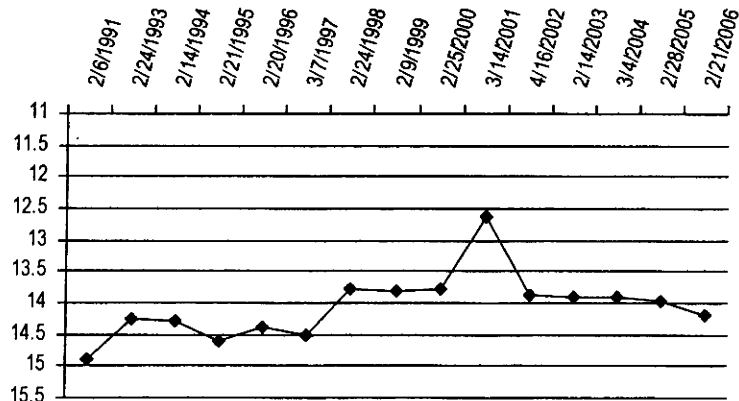
5 year: -1.58

10 year: 0.18

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/20/1996	14.38	6128.62	0.22
3/7/1997	14.50	6128.50	-0.12
2/24/1998	13.79	6129.21	0.71
2/9/1999	13.82	6129.18	-0.03
2/25/2000	13.79	6129.21	0.03
3/14/2001	12.62	6130.38	1.17
4/16/2002	13.87	6129.13	-1.25
2/14/2003	13.89	6129.11	-0.02
3/4/2004	13.89	6129.11	0.00
2/28/2005	13.97	6129.03	-0.08
2/21/2006	14.20	6128.80	-0.23

All Historic Measurements



UPPER BIG SANDY

Well Name: BIG SANDY - 22

Owner: PAUL WINGARD

Permit #: 1652 - R -

Location #: SC01106112BA

USGS Site ID:

Division: 2 Water District: 67 County: EL PASO

Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:

NW NE 12 11 S 61 W S From N/S line: 231 N From E/W line: 2077 W

UTM Coordinates (NAD83): Northing (UTM y): 4329700.6 Easting (UTM x): 571382.5 GPS

Latitude/Longitude (decimal degrees): 39.113537 -104.174328

Surface Elevation (ft): 6130

Well depth (ft): 76

Aquifer(s): QUATERNARY ALLUVIUM

Water Level Change

1 year: -0.65

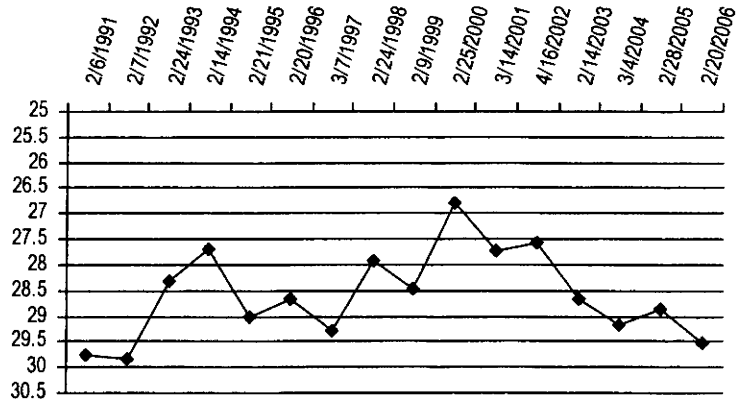
5 year: -1.78

10 year: -0.84

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/20/1996	28.67	6101.33	0.33
3/7/1997	29.30	6100.70	-0.63
2/24/1998	27.94	6102.06	1.36
2/9/1999	28.48	6101.52	-0.54
2/25/2000	26.79	6103.21	1.69
3/14/2001	27.73	6102.27	-0.94
4/16/2002	27.59	6102.41	0.14
2/14/2003	28.67	6101.33	-1.08
3/4/2004	29.19	6100.81	-0.52
2/28/2005	28.86	6101.14	0.33
2/20/2006	29.51	6100.49	-0.65

All Historic Measurements



Well Name: BIG SANDY - 29

Owner: ROGER WOODARD

Permit #: 9446 - F -

Location #: SC01106116DC

USGS Site ID:

Division: 2 Water District: 67 County: EL PASO

Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:

SE SW 16 11 S 61 W S From N/S line: From E/W line:

UTM Coordinates (NAD83): Northing (UTM y): 4326625.6 Easting (UTM x): 566861.5 GPS

Latitude/Longitude (decimal degrees): 39.086189 -104.226919

Surface Elevation (ft): 6200

Well depth (ft): 50

Aquifer(s): QUATERNARY ALLUVIUM

Water Level Change

1 year: -0.39

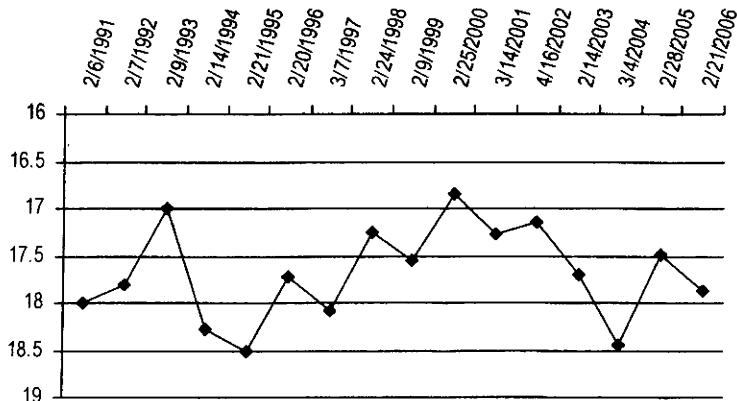
5 year: -0.61

10 year: -0.15

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/20/1996	17.73	6182.27	0.77
3/7/1997	18.09	6181.91	-0.36
2/24/1998	17.25	6182.75	0.84
2/9/1999	17.55	6182.45	-0.30
2/25/2000	16.85	6183.15	0.70
3/14/2001	17.27	6182.73	-0.42
4/16/2002	17.14	6182.86	0.13
2/14/2003	17.70	6182.30	-0.56
3/4/2004	18.45	6181.55	-0.75
2/28/2005	17.49	6182.51	0.96
2/21/2006	17.88	6182.12	-0.39

All Historic Measurements



UPPER BIG SANDY

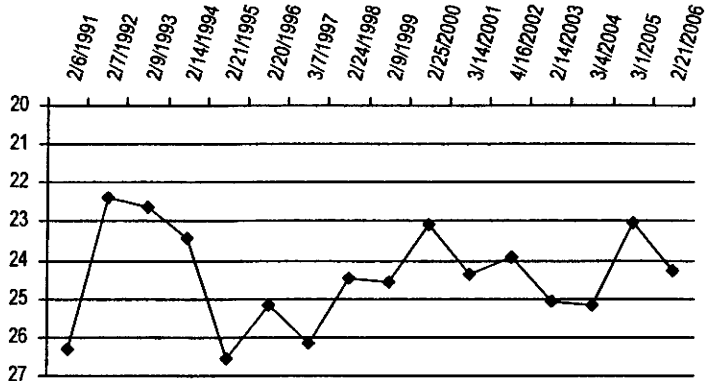
Well Name: BIG SANDY - 15A Owner: EARNEST MIKITA
Permit #: 475 - R - Location #: SC01106119AA USGS Site ID:
Division: 2 Water District: 67 County: EL PASO
Location: Q160 Q40 Q10 Section Township Range PM Distance from section lines:
NE NE 19 11 S 61 W S From N/S line: 366 N From EW line: 40 E
UTM Coordinates (NAD83): Northing (UTM y): 4326282.0 Easting (UTM x): 564329.0 GPS
Latitude/Longitude (decimal degrees): 39.083280 -104.256230

Surface Elevation (ft): 6262 Water Level Change
Well depth (ft): 62 1 year: -1.25
Aquifer(s): QUATERNARY ALLUVIUM 5 year: 0.10
10 year: 0.88

Measurements from last 10 years

Table with 4 columns: Date, Depth to WL (ft), Elev of WL (ft), Change (ft). Rows include measurements from 2/20/1996 to 2/21/2006.

All Historic Measurements



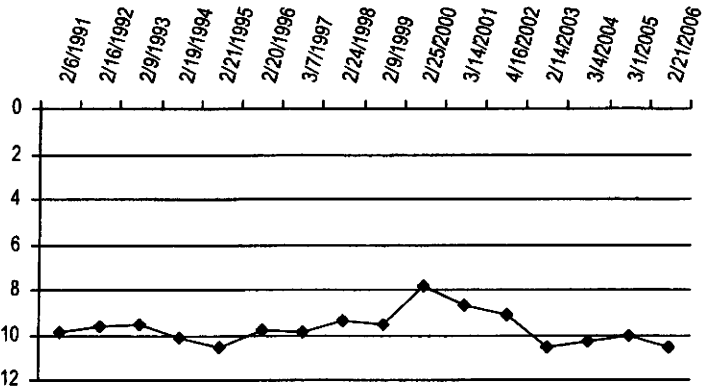
Well Name: BIG SANDY - 18 Owner: DENNIS KUCERIK
Permit #: 20183 - R - Location #: SC01106220BC USGS Site ID:
Division: 2 Water District: 67 County: EL PASO
Location: Q160 Q40 Q10 Section Township Range PM Distance from section lines:
NW SW 20 11 S 62 W S From N/S line: 2558 S From EW line: 1246 W
UTM Coordinates (NAD83): Northing (UTM y): 4325484.7 Easting (UTM x): 555096.5 GPS
Latitude/Longitude (decimal degrees): 39.076732 -104.363035

Surface Elevation (ft): 6485 Water Level Change
Well depth (ft): 83 1 year: -0.52
Aquifer(s): QUATERNARY ALLUVIUM 5 year: -1.90
10 year: -0.78

Measurements from last 10 years

Table with 4 columns: Date, Depth to WL (ft), Elev of WL (ft), Change (ft). Rows include measurements from 2/20/1996 to 2/21/2006.

All Historic Measurements



UPPER BIG SANDY

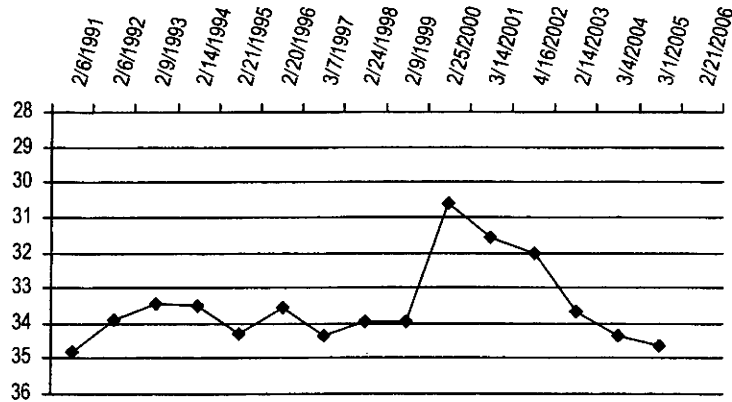
Well Name: BIG SANDY - 17 **Owner:** GERALD HLATKI
Permit #: 15783 - F - **Location #:** SC01106223DC **USGS Site ID:**
Division: 2 **Water District:** 67 **County:** EL PASO
Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
 SE SW 23 11 S 62 W S From N/S line: 1442 S From EW line: 1220 E
UTM Coordinates (NAD83): Northing (UTM y): 4325179.6 Easting (UTM x): 560775.5 GPS
Latitude/Longitude (decimal degrees): 39.073606 -104.297412

Surface Elevation (ft): 6352 **Water Level Change**
Well depth (ft): 78 **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)
2/20/1996	33.57	6318.43	0.70
3/7/1997	34.33	6317.67	-0.76
2/24/1998	33.95	6318.05	0.38
2/9/1999	33.94	6318.06	0.01
2/25/2000	30.62	6321.38	3.32
3/14/2001	31.56	6320.44	-0.94
4/16/2002	32.03	6319.97	-0.47
2/14/2003	33.68	6318.32	-1.65
3/4/2004	34.36	6317.64	-0.68
3/1/2005	34.62	6317.38	-0.26
2/21/2006			

All Historic Measurements



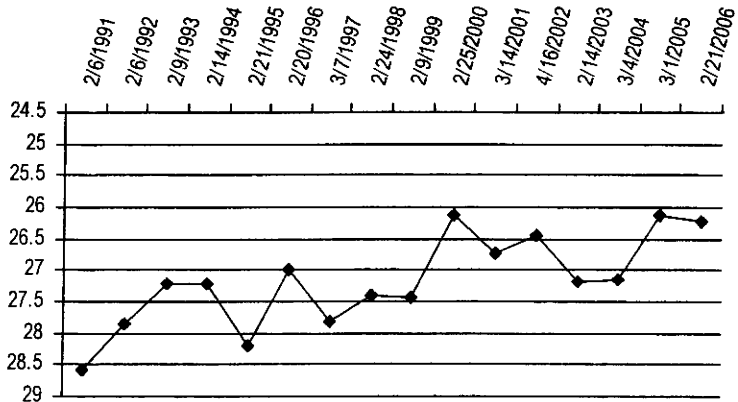
Well Name: BIG SANDY - 19 **Owner:** WAYNE TURNER
Permit #: 13038 - F - **Location #:** SC01106324DB **USGS Site ID:**
Division: 2 **Water District:** 67 **County:** EL PASO
Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
 SE NW 24 11 S 63 W S From N/S line: 1609 S From EW line: 1531 E
UTM Coordinates (NAD83): Northing (UTM y): 4325163.8 Easting (UTM x): 552662.5 GPS
Latitude/Longitude (decimal degrees): 39.073990 -104.391197

Surface Elevation (ft): 6575 **Water Level Change**
Well depth (ft): 104 **1 year:** -0.11
Aquifer(s): QUATERNARY ALLUVIUM **5 year:** 0.51
10 year: 0.76

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/20/1996	26.99	6548.01	1.21
3/7/1997	27.81	6547.19	-0.82
2/24/1998	27.42	6547.58	0.39
2/9/1999	27.43	6547.57	-0.01
2/25/2000	26.14	6548.86	1.29
3/14/2001	26.74	6548.26	-0.60
4/16/2002	26.46	6548.54	0.28
2/14/2003	27.18	6547.82	-0.72
3/4/2004	27.15	6547.85	0.03
3/1/2005	26.12	6548.88	1.03
2/21/2006	26.23	6548.77	-0.11

All Historic Measurements



UPPER BIG SANDY

Well Name: BIG SANDY - 30A

Owner: UPPER BIG SANDY GWMD

Permit #: 37089 - M -

Location #: SC01106326AD

USGS Site ID:

Division: 2 **Water District:** 67 **County:** EL PASO

Location: Q160 Q40 Q10 **Section** **Twnshp** **Range** **PM** **Distance from section lines:**
 NE SE 26 11 S 63 W S **From N/S line:** 1250 N **From E/W line:** 75 E

UTM Coordinates (NAD83): **Northing (UTM y):** 4324313.8 **Easting (UTM x):** 551486.5 **GPS**

Latitude/Longitude (decimal degrees): 39.066401 -104.404856

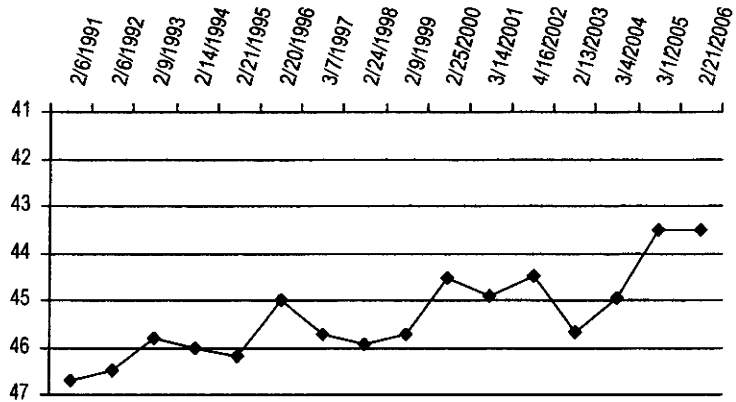
Surface Elevation (ft): 6625
Well depth (ft): 95
Aquifer(s): QUATERNARY ALLUVIUM

Water Level Change
1 year: -0.03
5 year: 1.39
10 year: 1.46

Measurements from last 10 years

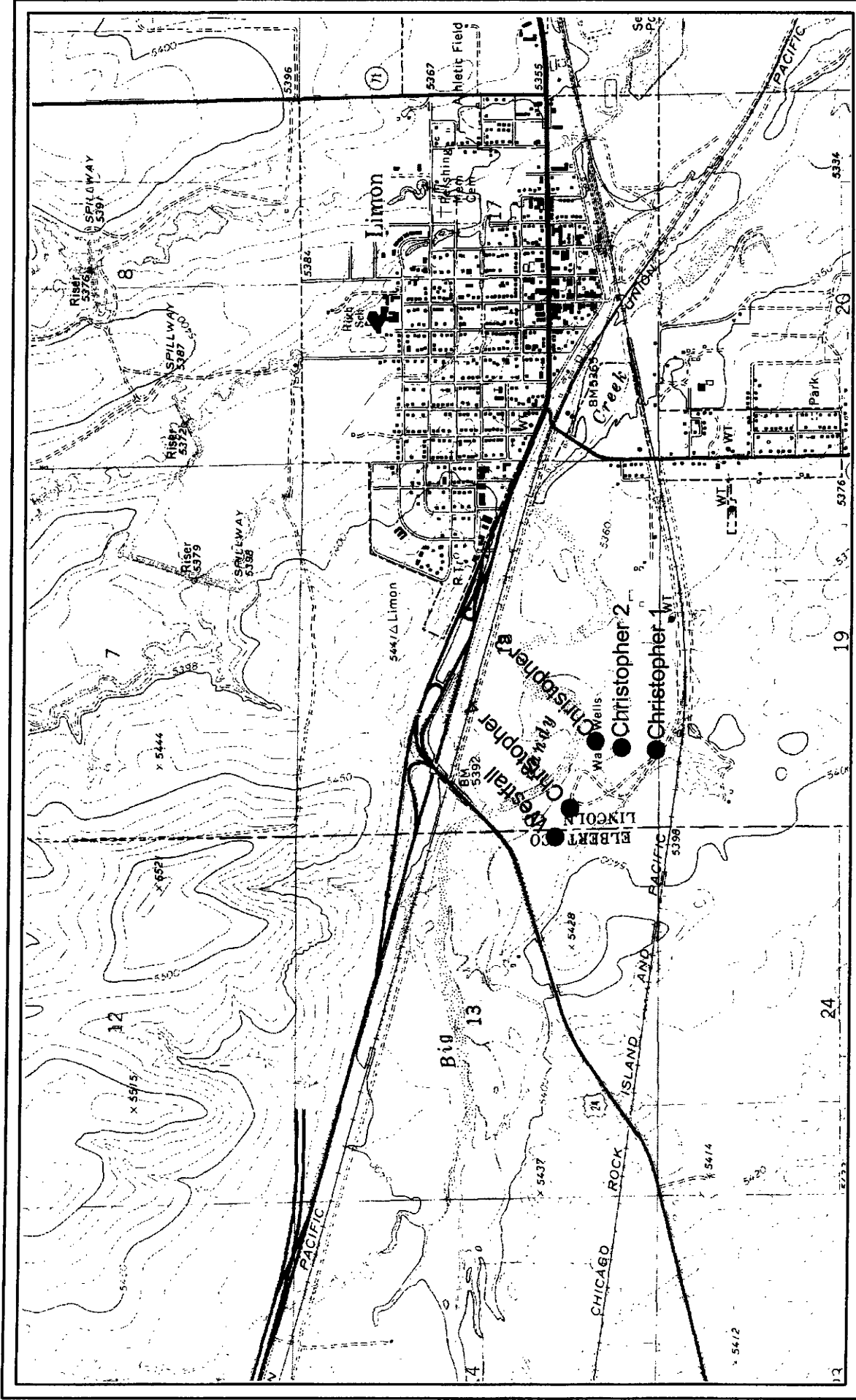
Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/20/1996	44.98	6580.02	1.22
3/7/1997	45.73	6579.27	-0.75
2/24/1998	45.92	6579.08	-0.19
2/9/1999	45.73	6579.27	0.19
2/25/2000	44.52	6580.48	1.21
3/14/2001	44.91	6580.09	-0.39
4/16/2002	44.50	6580.50	0.41
2/13/2003	45.68	6579.32	-1.18
3/4/2004	44.95	6580.05	0.73
3/1/2005	43.49	6581.51	1.46
2/21/2006	43.52	6581.48	-0.03

All Historic Measurements



**TOWN OF LIMON
CHRISTOPHER AND WESTFALL MONITORING WELLS**

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Monitoring Well Locations
 Town of Limon Well Field - Detailed Map

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UPPER BIG SANDY

Well Name: CHRISTOPHER #3

Owner: TOWN OF LIMON

Permit #: - -

Location #: SC00905618CCA

USGS Site ID:

Division: 2 **Water District:** 67 **County:** LINCOLN

Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
 SW SW NE 18 9 S 56 W S From N/S line: 925 S From E/W line: 1260 W

UTM Coordinates (NAD83): Northing (UTM y): 4346552.5 Easting (UTM x): 611262.4 GPS

Latitude/Longitude (decimal degrees): 39.261174 -103.710360

Surface Elevation (ft): 5372

Water Level Change

Well depth (ft):

1 year: 1.08

Aquifer(s): QUATERNARY ALLUVIUM

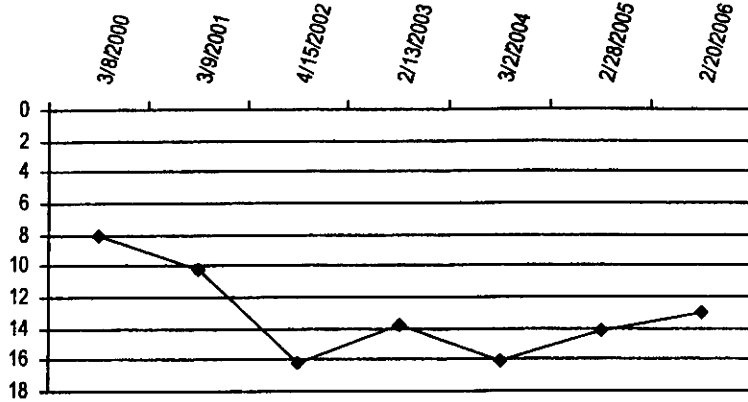
5 year: -2.81

10 year:

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
3/8/2000	8.06	5363.94	
3/9/2001	10.26	5361.74	-2.20
4/15/2002	16.27	5355.73	-6.01
2/13/2003	13.75	5358.25	2.52
3/2/2004	16.09	5355.91	-2.34
2/28/2005	14.15	5357.85	1.94
2/20/2006	13.07	5358.93	1.08

All Historic Measurements



Well Name: CHRISTOPHER #4

Owner: TOWN OF LIMON

Permit #: - -

Location #: SC00905618CCB

USGS Site ID:

Division: 2 **Water District:** 67 **County:** LINCOLN

Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
 SW SW NW 18 9 S 56 W S From N/S line: 1300 S From E/W line: 315 W

UTM Coordinates (NAD83): Northing (UTM y): 4346663.5 Easting (UTM x): 610969.4 GPS

Latitude/Longitude (decimal degrees): 39.262211 -103.713737

Surface Elevation (ft): 5370

Water Level Change

Well depth (ft):

1 year: 0.81

Aquifer(s): QUATERNARY ALLUVIUM

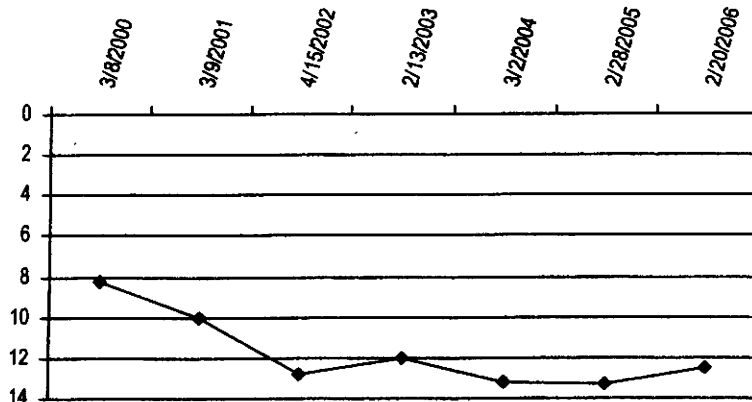
5 year: -2.42

10 year:

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
3/8/2000	8.27	5361.73	
3/9/2001	10.06	5359.94	-1.79
4/15/2002	12.80	5357.20	-2.74
2/13/2003	12.04	5357.96	0.76
3/2/2004	13.19	5356.81	-1.15
2/28/2005	13.29	5356.71	-0.10
2/20/2006	12.48	5357.52	0.81

All Historic Measurements



UPPER BIG SANDY

Well Name: CHRISTOPHER #1

Owner: TOWN OF LIMON

Permit #: - -

Location #: SC00905618CCD1

USGS Site ID:

Division: 2 **Water District:** 67 **County:** LINCOLN

Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:

SW SW SE 18 9 S 56 W S From N/S line: 60 S From E/W line: 1100 W

UTM Coordinates (NAD83): Northing (UTM y): 4346282.0 Easting (UTM x): 611224.4 GPS

Latitude/Longitude (decimal degrees): 39.258740 -103.710840

Surface Elevation (ft): 5372

Water Level Change

Well depth (ft):

1 year: 0.97

Aquifer(s): QUATERNARY ALLUVIUM

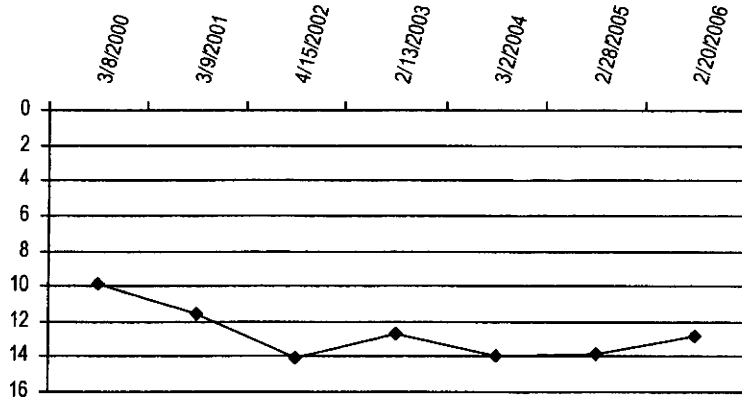
5 year: -1.28

10 year:

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
3/8/2000	9.85	5362.15	
3/9/2001	11.57	5360.43	-1.72
4/15/2002	14.05	5357.95	-2.48
2/13/2003	12.69	5359.31	1.36
3/2/2004	13.94	5358.06	-1.25
2/28/2005	13.82	5358.18	0.12
2/20/2006	12.85	5359.15	0.97

All Historic Measurements



Well Name: CHRISTOPHER #2

Owner: TOWN OF LIMON

Permit #: - -

Location #: SC00905618CCD2

USGS Site ID:

Division: 2 **Water District:** 67 **County:** LINCOLN

Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:

SW SW SE 18 9 S 56 W S From N/S line: 550 S From E/W line: 1160 W

UTM Coordinates (NAD83): Northing (UTM y): 4346436.5 Easting (UTM x): 611234.4 GPS

Latitude/Longitude (decimal degrees): 39.260132 -103.710704

Surface Elevation (ft): 5370

Water Level Change

Well depth (ft):

1 year: 0.00

Aquifer(s): QUATERNARY ALLUVIUM

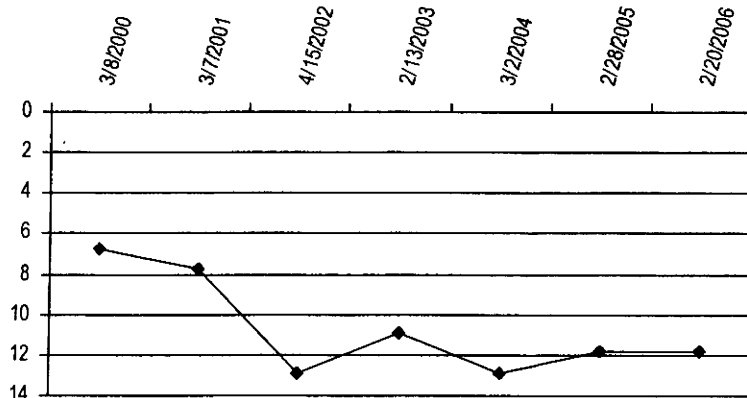
5 year: -4.00

10 year:

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
3/8/2000	6.79	5363.21	
3/7/2001	7.79	5362.21	-1.00
4/15/2002	12.87	5357.13	-5.08
2/13/2003	10.88	5359.12	1.99
3/2/2004	12.90	5357.10	-2.02
2/28/2005	11.79	5358.21	1.11
2/20/2006	11.79	5358.21	0.00

All Historic Measurements



UPPER BIG SANDY

Well Name: WESTFALL MH
Owner: UPPER BIG SANDY GWMD
Permit #: 159373 - -
Location #: SC00905713DAD
USGS Site ID:
Division: 2 **Water District: 67** **County: ELBERT**
Location: Q160 Q40 Q10 Section Twtnshp Range PM Distance from section lines:
 SE NE SE 13 9 S 57 W S **From N/S line: 1500 S From E/W line: 100 E**
UTM Coordinates (NAD83): Northing (UTM y): 4346727.5 Easting (UTM x): 610842.4 GPS
Latitude/Longitude (decimal degrees): 39.262804 -103.715198
Surface Elevation (ft): 5371
Well depth (ft): 38
Aquifer(s): QUATERNARY ALLUVIUM
Water Level Change
1 year: 0.59
5 year: -2.36
10 year:
Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
3/8/2000	8.84	5362.16	
3/7/2001	10.45	5360.55	-1.61
4/15/2002	12.54	5358.46	-2.09
2/13/2003	12.14	5358.86	0.40
3/2/2004	13.02	5357.98	-0.88
2/28/2005	13.40	5357.60	-0.38
2/20/2006	12.81	5358.19	0.59

All Historic Measurements
