

Groundwater Levels in the Upper Big Sandy Designated Groundwater Basin

2019

by

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Hydrogeology Section

May 17, 2019



COLORADO

Division of Water Resources

Department of Natural Resources

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GROUNDWATER LEVELS IN THE UPPER BIG SANDY DESIGNATED GROUNDWATER BASIN 2019

This report contains the basic groundwater-level data collected in the Upper Big Sandy Designated Ground Water Basin during the spring of 2019. Tabular data are presented for the last ten measurements, and graphical data show the entire water-level monitoring record for each well. 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 groundwater-level monitoring program funded by Senate Bill 200 (1987 legislative session). This legislation directed that a portion of the fees collected for well permit applications be used for a program to monitor groundwater level trends throughout the state.

The wells in this report are listed by well name in numerical order. The maps that follow portray the designated basin boundary, mapped extent of alluvium, and trace of Big Sandy Creek and include:

- Monitoring well location map for the entire Upper Big Sandy designated basin
- Monitoring well locations and well names in the Limon well field (Limon Map)
- Monitoring well locations and well names in the eastern half of the basin (East Map)
- Monitoring well locations and well names in the western half of the basin (West Map)

The report contains 2019 groundwater level measurements for 29 wells, taken on March 28th and 29th. Depths to groundwater, below ground surface, ranged from 6 to 51 feet, much the same as in years past. In general, wells located closer to the creek channel had shallower water levels. Water levels exceeding 30 feet were associated with wells located in the upland portions of the alluvial valley.

Overall, groundwater levels in wells measured by the Division of Water Resources were slightly lower than 2018 levels. The water levels showed an overall average decrease of 0.6 feet as compared to 2018, and most wells were less than one foot lower than in 2018. Water levels were not measured in 2009, so 10-year comparisons are not available, but 5-year comparisons indicate that water levels:

- a) in the reach around Limon (Limon Map) have decreased slightly (-1.0 to +0.4 ft);
- b) in the reach between River Bend and Simla (East Map) have increased and decreased (-1.4 to 2.4 ft);
- c) in the reach between Simla and Ramah Reservoir (West Map) have increased (+0.1 to +2.2 ft); and
- d) upstream of Ramah Reservoir (West map) have increased slightly (+0.3 to +2.4 ft) since 2014.

We also include maps depicting changes in measured water levels over 1 and 5 years.

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. An electronic copy of this report, in Adobe PDF format, is available on the Division of Water Resources website:

<http://water.state.co.us/groundwater/Levels/Pages/HydroGeo.aspx>

The direct link to the Upper Big Sandy Publication Area on the CDSS webpage:

<http://dnrweb.state.co.us/cdss/GroundWater/WaterLevels/Search?submitButton=Submit&SelectedPublicationAreaName=UPPER%20BIG%20SANDY&SelectedAquiferName=All>

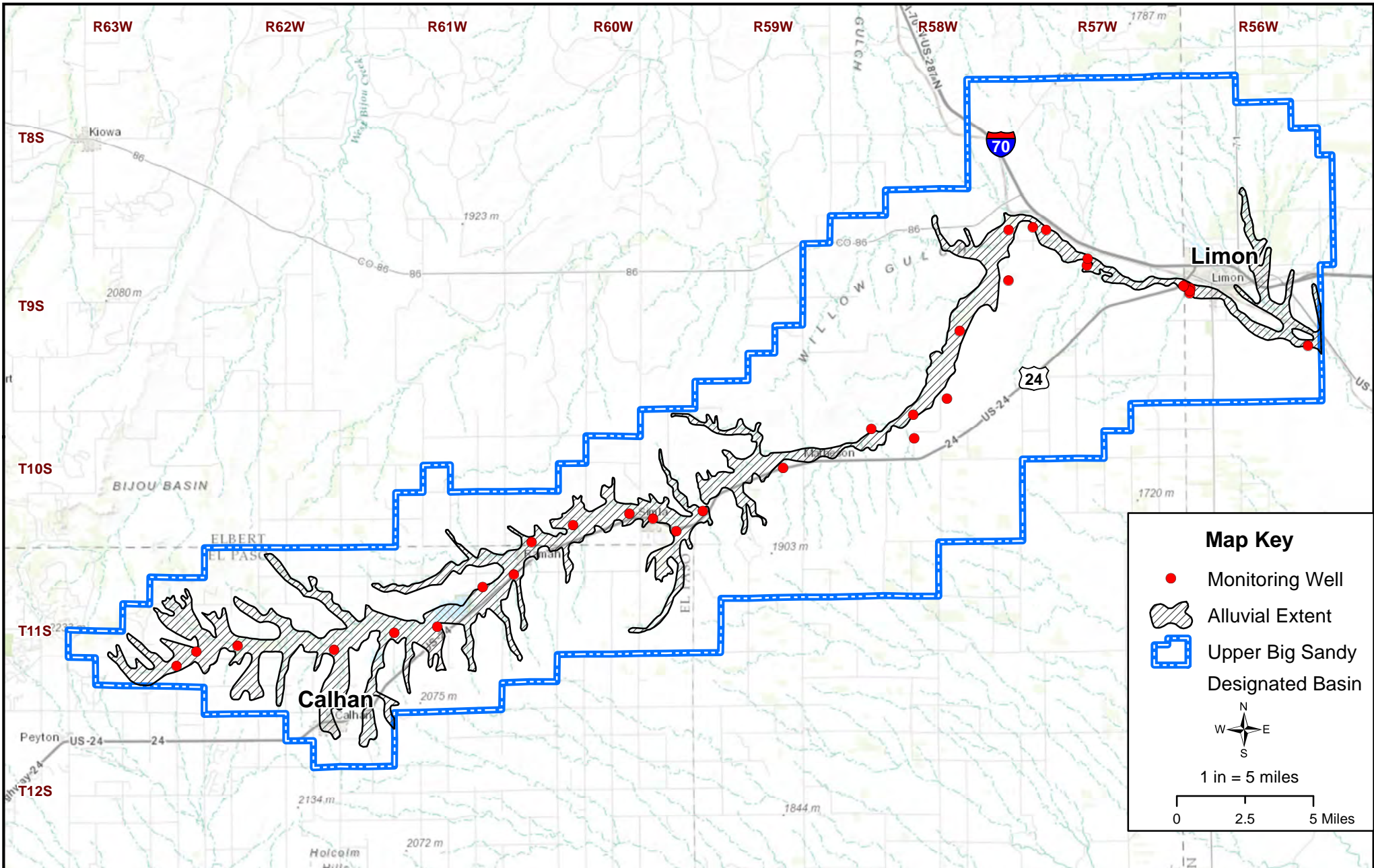
Additionally, all groundwater level data may be accessed and exported using the tools available on the Colorado Decision Support System:

<http://dnrweb.state.co.us/cdss/GroundWater/GroundWaterSearch>

or the Colorado Decision Support System MapViewer

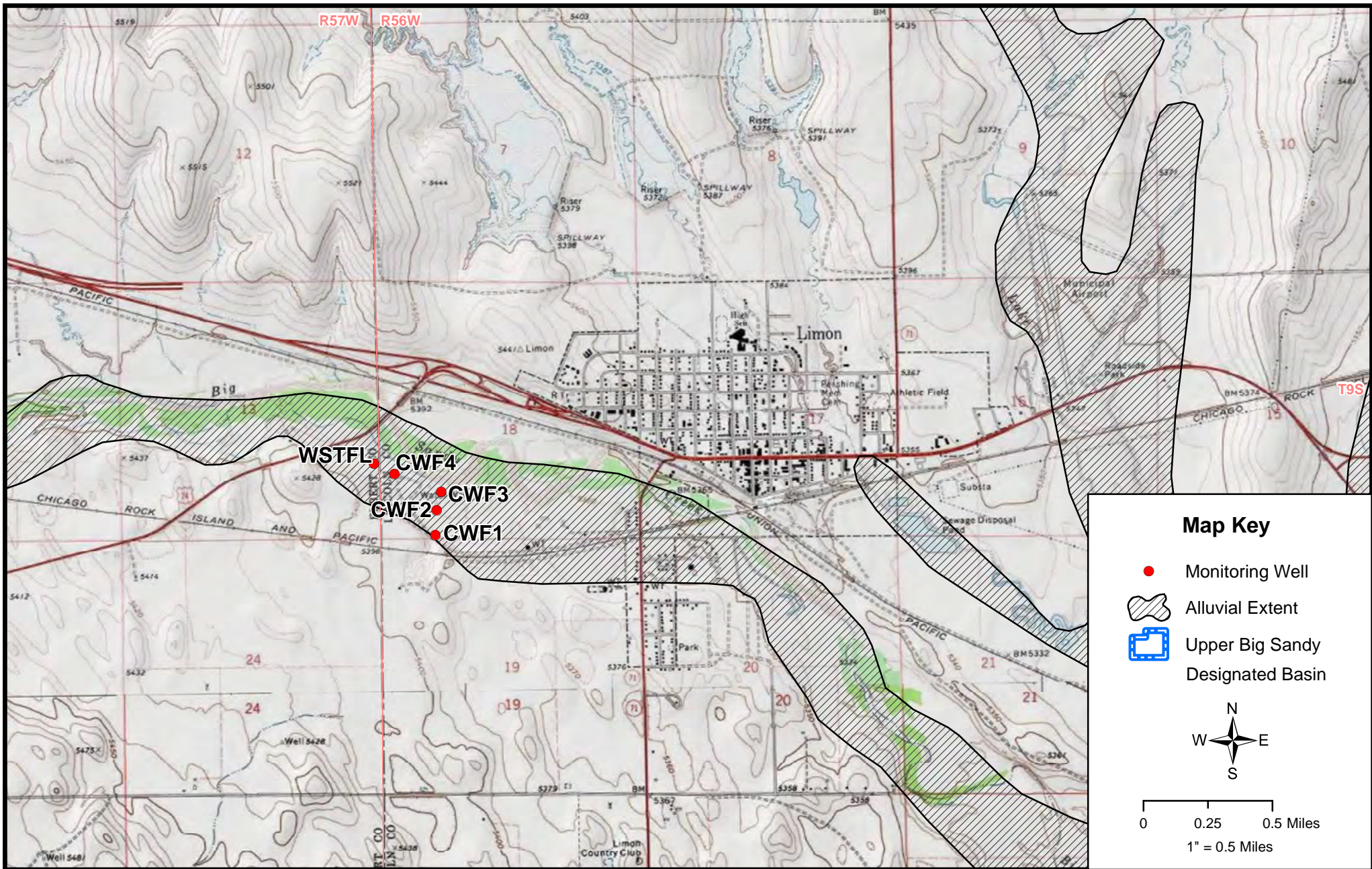
<http://water.state.co.us/DataMaps/GISandMaps/MapViewer/Pages/FAQ.aspx>

If you have any questions regarding groundwater in the Upper Big Sandy Designated Groundwater Basin and the information in this report, please contact the Groundwater Information Desk at (303) 866-3587 or through AskDWR, http://www.dwr.state.co.us/OnlineTools/AskDWR.aspx?topic_num=31&office_num=8



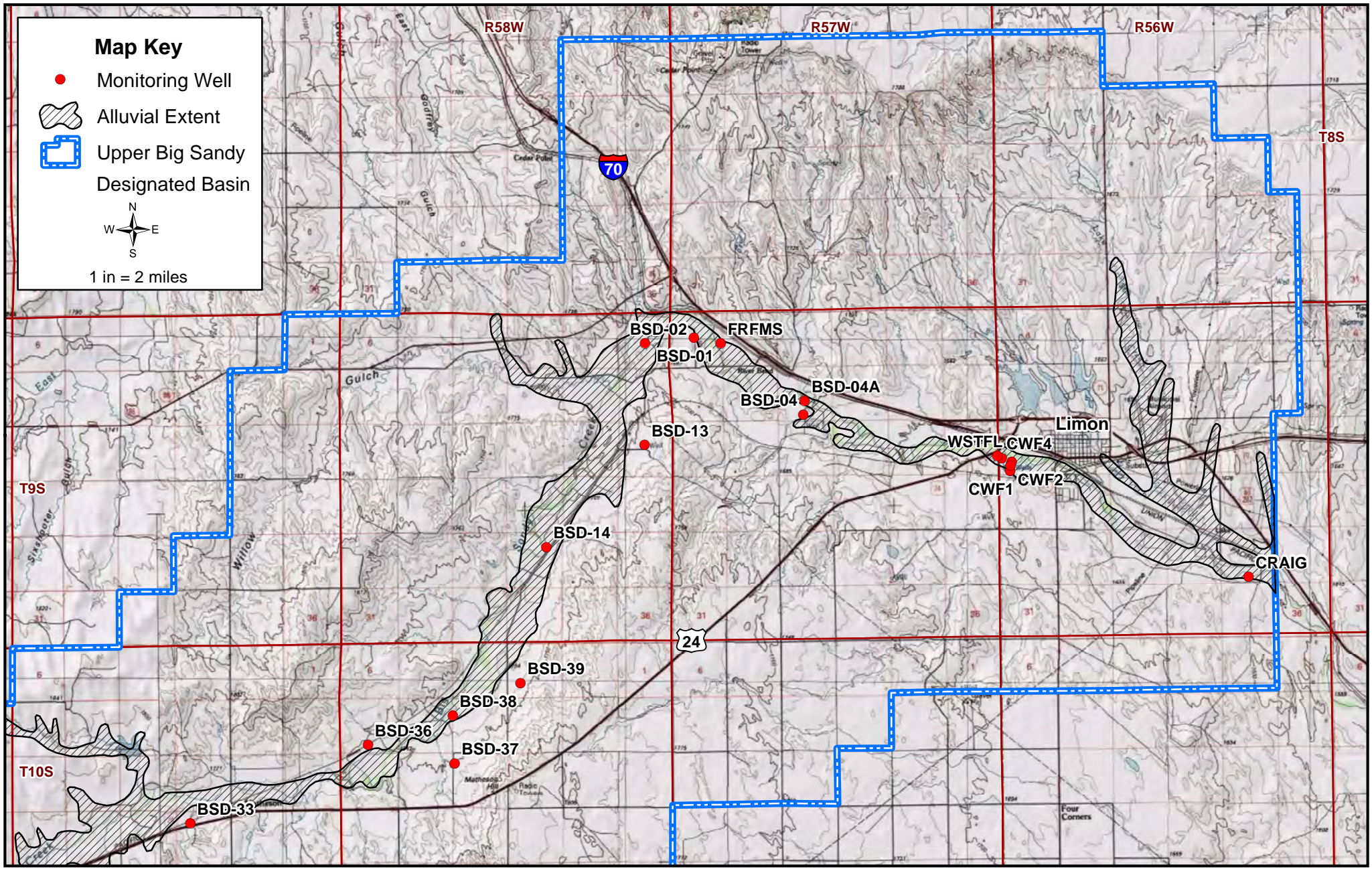
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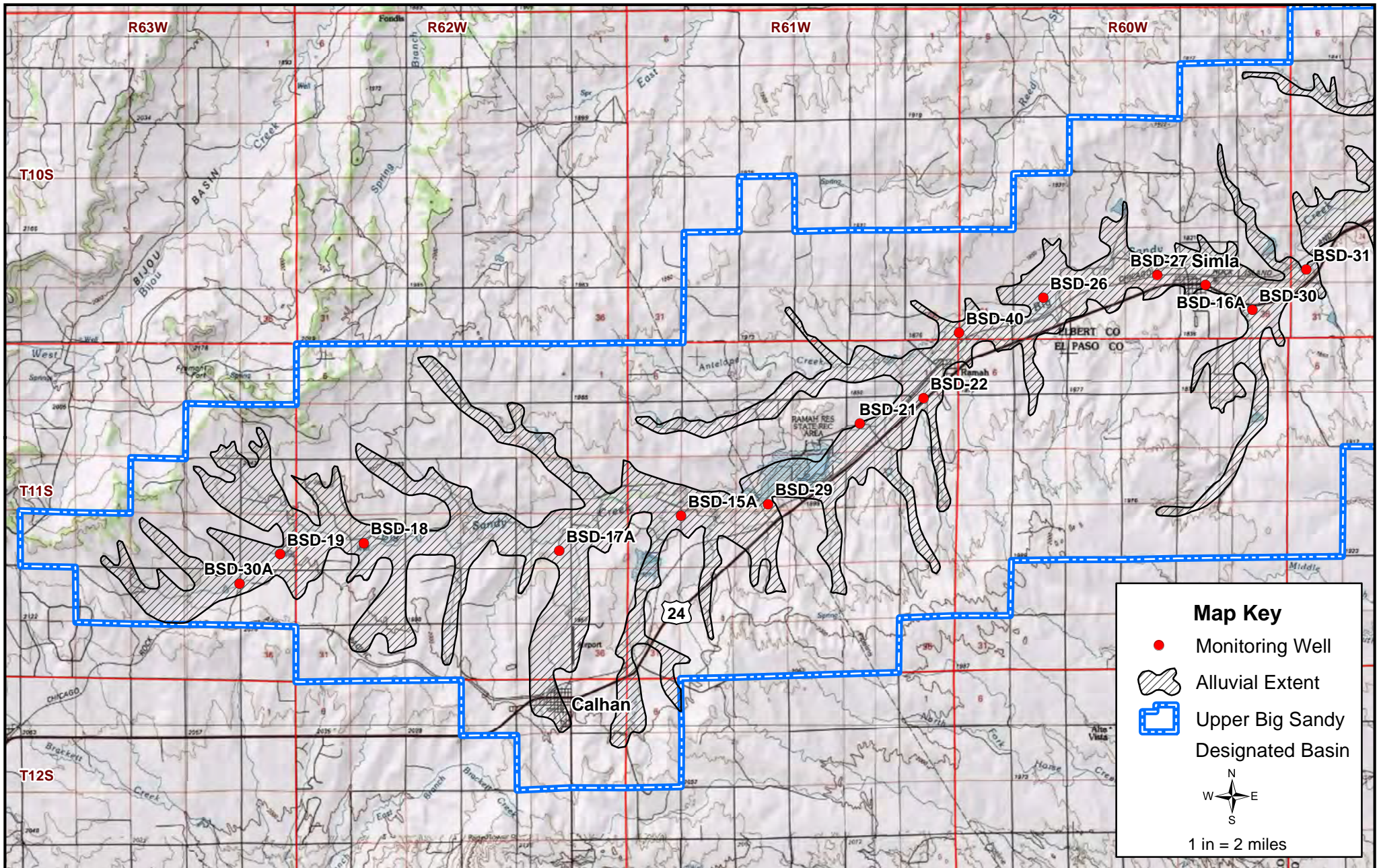
State of Colorado -- Division of Water Resources
**Upper Big Sandy Designated Groundwater Basin
 Monitoring Well Locations**



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 Department of Natural Resources

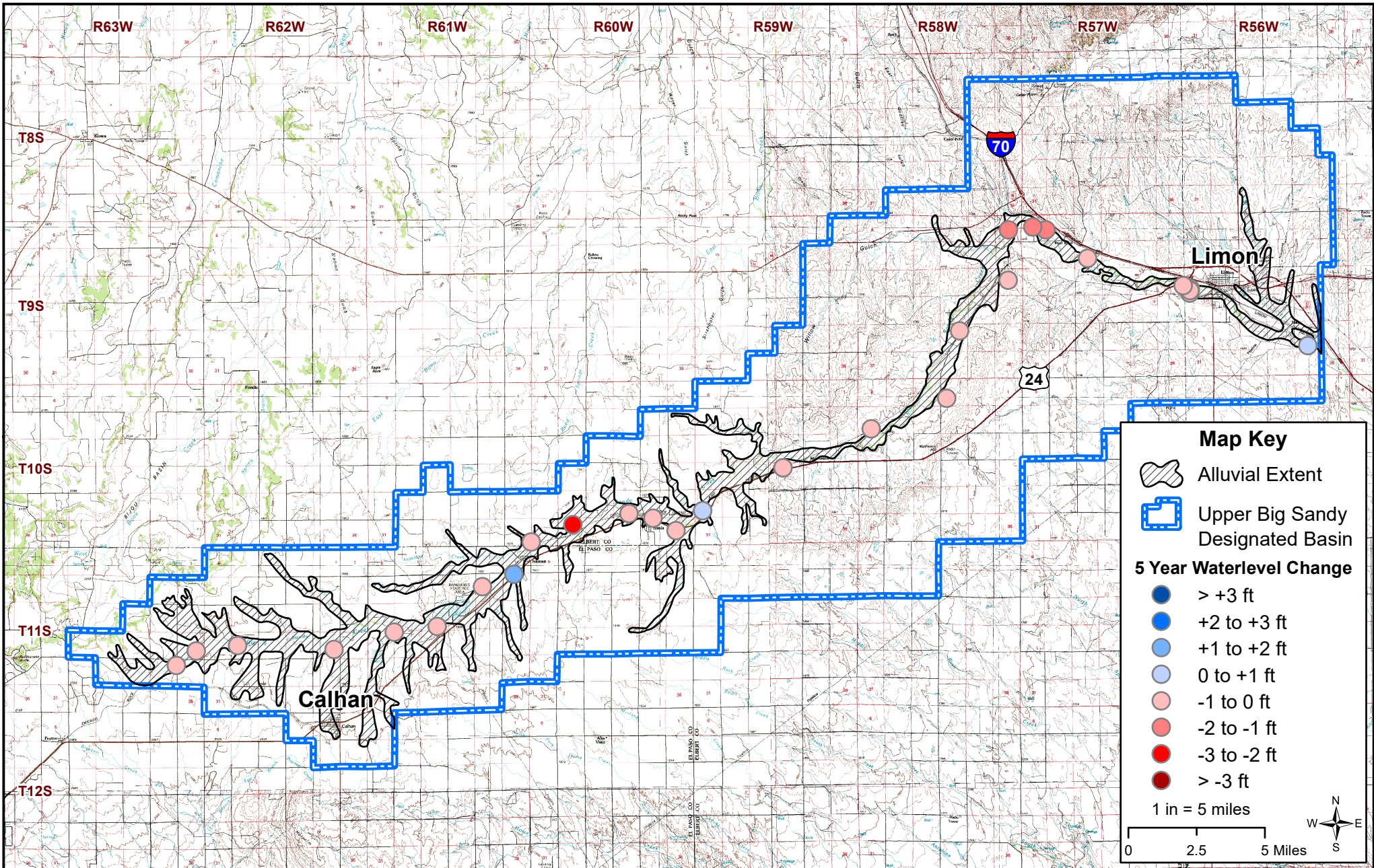
State of Colorado -- Division of Water Resources
**Upper Big Sandy Designated Groundwater Basin
 Monitoring Well Locations (Limon Map)**





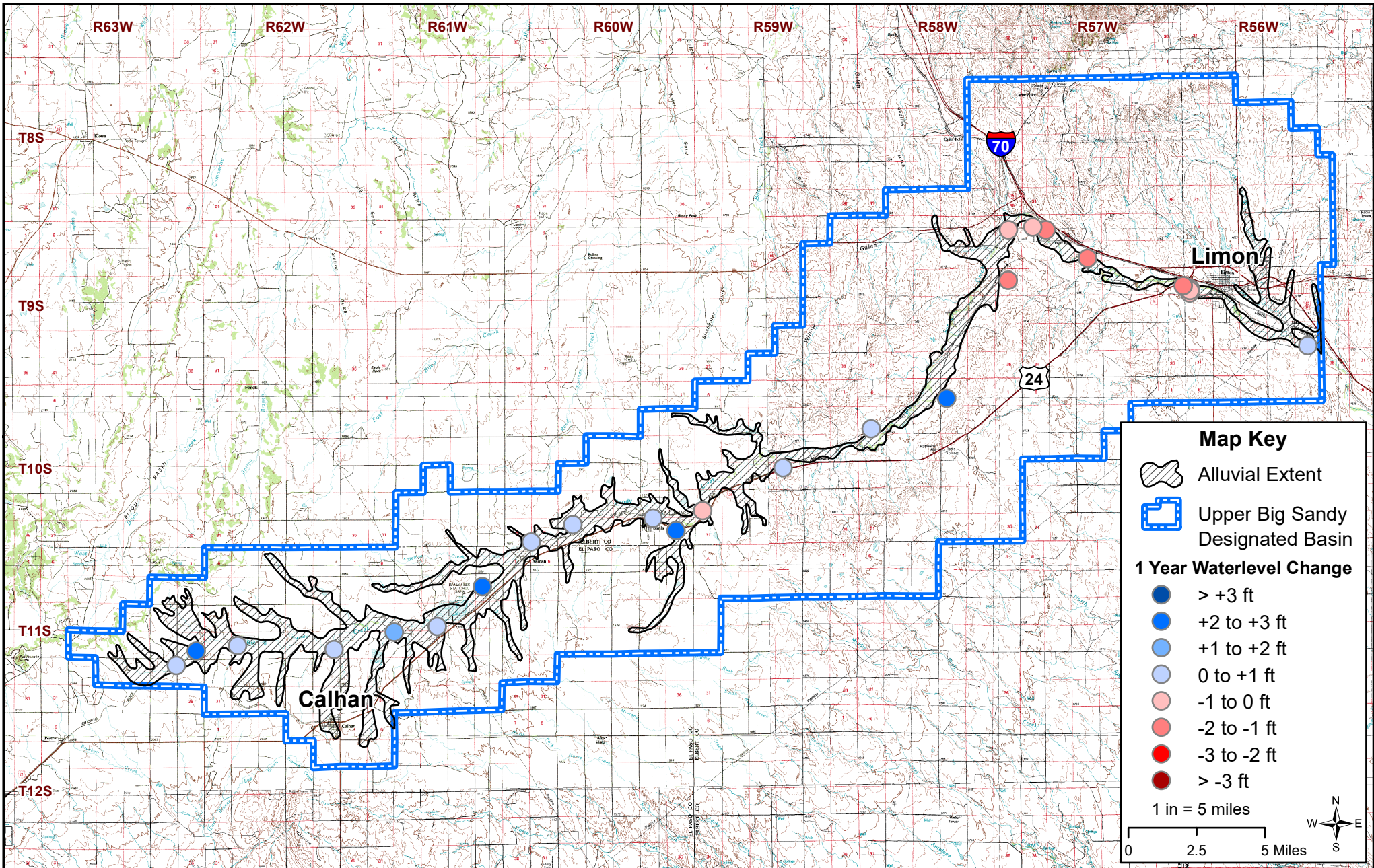
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State of Colorado -- Division of Water Resources
**Upper Big Sandy Designated Groundwater Basin
 Monitoring Well Locations (West Map)**



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Upper Big Sandy Designated Ground Water Basin
Change in Groundwater Levels- 2018 to 2019



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State of Colorado -- Division of Water Resources
Upper Big Sandy Designated Ground Water Basin
Change in Groundwater Levels- 2014 to 2019



GROUNDWATER DETAILS

Well Name: BSD-02
Permit Number: 37088-M
WDID:
Data Source: DWR

Location Number: SC00905801DBB
USGS Site ID:
Applicant/Contact: UPPER BIG SANDY GWMD

Physical Location

| Dist N/S | Dist E/W | Q10 | Q40 | Q160 | Sec | Township | Range | PM | UTMx | UTMy | Location Accuracy |
|----------|----------|-----|-----|------|-----|----------|--------|----|----------|-----------|-------------------|
| 2933 N | 2691 W | NW | NW | SE | 1 | 9.0 S | 58.0 W | S | 600544.4 | 4350015.5 | GPS |

Division: 2 District: 67
 County: ELBERT
 Designated Basin: UPPER BIG SANDY
 Management District: UPPER BIG SANDY

Ten Most Recent Readings

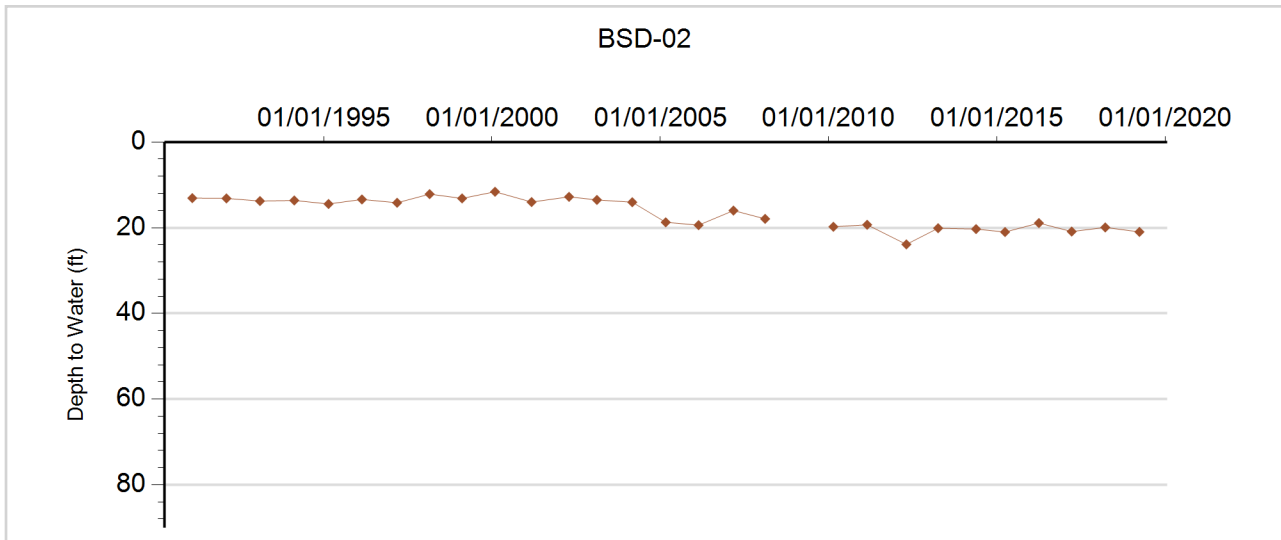
| Date | Depth to Water Feet Below Land Surface | Elevation of Water (ft) | Change From Previous Measure (ft) |
|------------|--|-------------------------|-----------------------------------|
| 03/29/2019 | 20.98 | 5499.02 | -1.04 |
| 03/23/2018 | 19.94 | 5500.06 | 0.96 |
| 03/23/2017 | 20.90 | 5499.10 | -1.98 |
| 04/01/2016 | 18.92 | 5501.08 | 2.09 |
| 03/31/2015 | 21.01 | 5498.99 | -0.69 |
| 05/20/2014 | 20.32 | 5499.68 | -0.21 |
| 04/04/2013 | 20.11 | 5499.89 | 3.79 |
| 04/24/2012 | 23.90 | 5496.10 | -4.58 |
| 02/24/2011 | 19.32 | 5500.68 | 0.47 |
| 02/22/2010 | 19.79 | 5500.21 | |

Construction Information

Surface Elevation (ft): 5520.00
 Well Depth (ft): 90.00
 Depth to Base of Grout (ft): 21
 Depth to Top of Perforated Casing (ft): 70
 Depth to Bottom of Perforated Casing (ft): 90
 Source Aquifer(s): QUATERNARY ALLUVIUM

Well Measurement Summary

Start Date: 02/05/1991 End Date: 03/29/2019
 Number of Measurements: 29





GROUNDWATER DETAILS

Well Name: BSD-04
Permit Number: 20007-RF
WDID:
Data Source: DWR

Location Number: SC00905709DCC
USGS Site ID:
Applicant/Contact: TOWN OF LIMON

Physical Location

| Dist N/S | Dist E/W | Q10 | Q40 | Q160 | Sec | Township | Range | PM | UTMx | UTMy | Location Accuracy |
|----------|----------|-----|-----|------|-----|----------|--------|----|----------|-----------|-------------------|
| 347 S | 2848 E | SW | SE | SW | 9 | 9.0 S | 57.0 W | S | 605166.4 | 4347932.5 | GPS |

Division: 2 District: 67
 County: ELBERT
 Designated Basin: UPPER BIG SANDY
 Management District: UPPER BIG SANDY

Ten Most Recent Readings

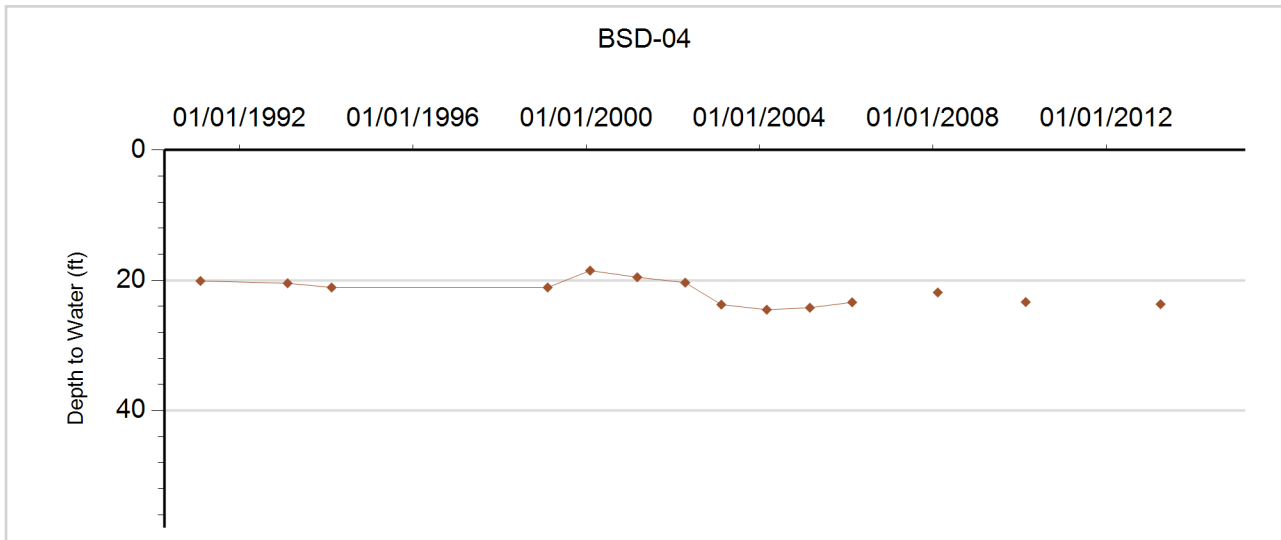
| Date | Depth to Water Feet Below Land Surface | Elevation of Water (ft) | Change From Previous Measure (ft) |
|------------|--|-------------------------|-----------------------------------|
| 05/20/2014 | | | |
| 04/04/2013 | 23.67 | 5434.33 | |
| 02/24/2011 | | | |
| 02/22/2010 | 23.34 | 5434.66 | |
| 01/01/2009 | | | |
| 02/12/2008 | 21.87 | 5436.13 | |
| 03/06/2007 | | | |
| 02/20/2006 | 23.38 | 5434.62 | 0.83 |
| 02/28/2005 | 24.21 | 5433.79 | 0.30 |
| 03/02/2004 | 24.51 | 5433.49 | -0.78 |

Construction Information

Surface Elevation (ft): 5458.00
 Well Depth (ft): 58.00
 Depth to Base of Grout (ft):
 Depth to Top of Perforated Casing (ft):
 Depth to Bottom of Perforated Casing (ft):
 Source Aquifer(s): QUATERNARY ALLUVIUM

Well Measurement Summary

Start Date: 02/05/1991 End Date: 05/20/2014
 Number of Measurements: 18





GROUNDWATER DETAILS

Well Name: BSD-04A
Permit Number: 10474-R-R
WDID:
Data Source: DWR

Location Number: SC00905709CAD
USGS Site ID:
Applicant/Contact: TOWN OF LIMON

Physical Location

| Dist N/S | Dist E/W | Q10 | Q40 | Q160 | Sec | Township | Range | PM | UTMx | UTMy | Location Accuracy |
|----------|----------|-----|-----|------|-----|----------|--------|----|----------|-----------|-------------------|
| 3622 N | 2712 E | SE | NE | SW | 9 | 9.0 S | 57.0 W | S | 605198.0 | 4348311.0 | GPS |

Division: 2 District: 67
 County: ELBERT
 Designated Basin: UPPER BIG SANDY
 Management District: UPPER BIG SANDY

Ten Most Recent Readings

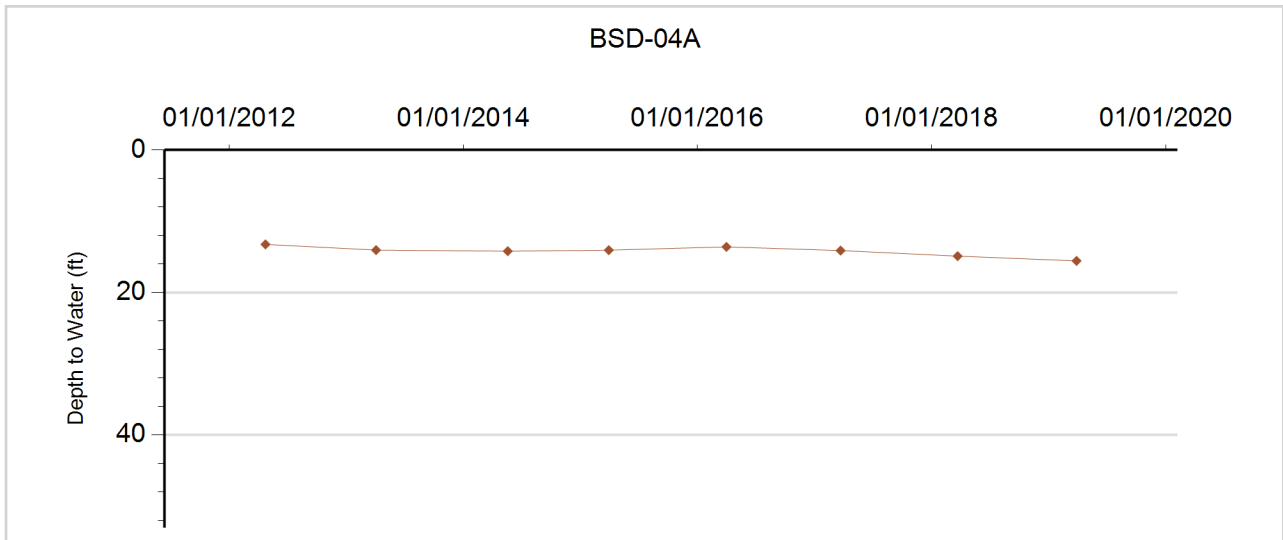
| Date | Depth to Water Feet Below Land Surface | Elevation of Water (ft) | Change From Previous Measure (ft) |
|------------|--|-------------------------|-----------------------------------|
| 03/29/2019 | 15.55 | 5442.45 | -0.67 |
| 03/23/2018 | 14.88 | 5443.12 | -0.78 |
| 03/23/2017 | 14.10 | 5443.90 | -0.52 |
| 04/01/2016 | 13.58 | 5444.42 | 0.46 |
| 03/31/2015 | 14.04 | 5443.96 | 0.14 |
| 05/20/2014 | 14.18 | 5443.82 | -0.15 |
| 04/04/2013 | 14.03 | 5443.97 | -0.80 |
| 04/24/2012 | 13.23 | 5444.77 | |

Construction Information

Surface Elevation (ft): 5458.00
 Well Depth (ft): 53.00
 Depth to Base of Grout (ft):
 Depth to Top of Perforated Casing (ft): 33
 Depth to Bottom of Perforated Casing (ft): 53
 Source Aquifer(s): QUATERNARY ALLUVIUM

Well Measurement Summary

Start Date: 04/24/2012 End Date: 03/29/2019
 Number of Measurements: 8





GROUNDWATER DETAILS

Well Name: BSD-13
Permit Number: 2653-FR
WDID: 0205495
Data Source: DWR

Location Number: SC00905813ACC
USGS Site ID:
Applicant/Contact: LARRY HUBBARD

Physical Location

| Dist N/S | Dist E/W | Q10 | Q40 | Q160 | Sec | Township | Range | PM | UTMx | UTMy | Location Accuracy |
|----------|----------|-----|-----|------|-----|----------|--------|----|----------|-----------|-------------------|
| 2864 S | 2667 E | SW | SE | NW | 13 | 9.0 S | 58.0 W | S | 600533.4 | 4347045.5 | GPS |

Division: 2 District: 67
 County: ELBERT
 Designated Basin: UPPER BIG SANDY
 Management District: UPPER BIG SANDY

Ten Most Recent Readings

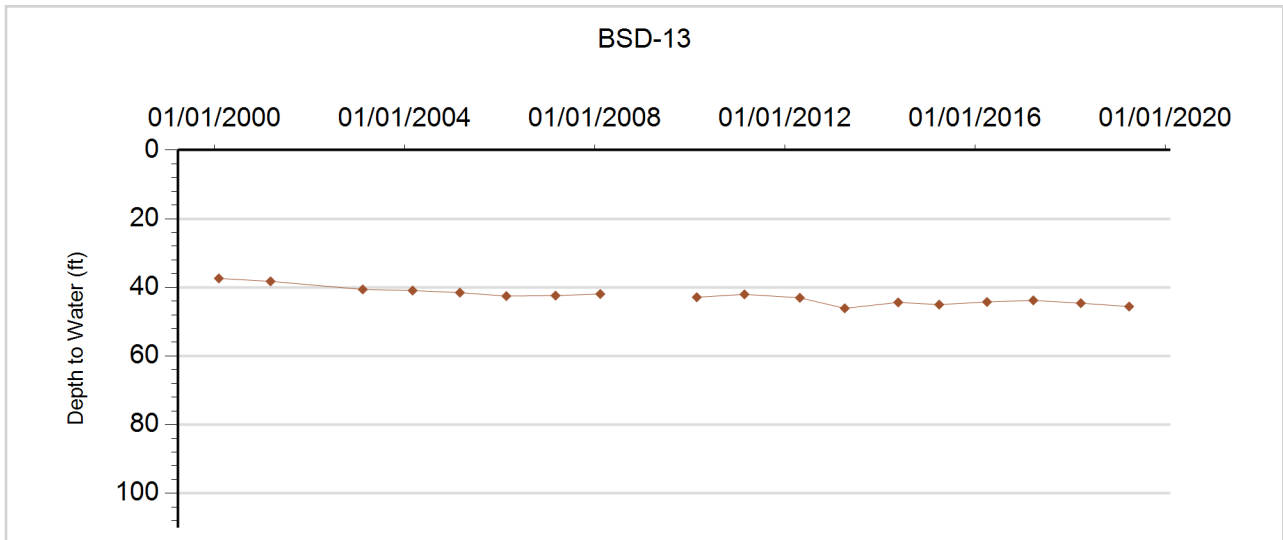
| Date | Depth to Water Feet Below Land Surface | Elevation of Water (ft) | Change From Previous Measure (ft) |
|------------|--|-------------------------|-----------------------------------|
| 03/29/2019 | 45.57 | 5538.43 | -0.97 |
| 03/23/2018 | 44.60 | 5539.40 | -0.83 |
| 03/23/2017 | 43.77 | 5540.23 | 0.47 |
| 04/01/2016 | 44.24 | 5539.76 | 0.77 |
| 03/31/2015 | 45.01 | 5538.99 | -0.64 |
| 05/20/2014 | 44.37 | 5539.63 | 1.72 |
| 04/04/2013 | 46.09 | 5537.91 | -3.07 |
| 04/24/2012 | 43.02 | 5540.98 | -1.00 |
| 02/24/2011 | 42.02 | 5541.98 | 0.84 |
| 02/22/2010 | 42.86 | 5541.14 | |

Construction Information

Surface Elevation (ft): 5584.00
 Well Depth (ft): 110.00
 Depth to Base of Grout (ft): 10
 Depth to Top of Perforated Casing (ft): 60
 Depth to Bottom of Perforated Casing (ft): 100
 Source Aquifer(s): QUATERNARY ALLUVIUM

Well Measurement Summary

Start Date: 02/03/2000 End Date: 03/29/2019
 Number of Measurements: 19





GROUNDWATER DETAILS

Well Name: BSD-14
Permit Number: 15956-R
WDID:
Data Source: DWR

Location Number: SC00905827ACA
USGS Site ID:
Applicant/Contact: VIVIAN MOCK

Physical Location

| Dist N/S | Dist E/W | Q10 | Q40 | Q160 | Sec | Township | Range | PM | UTMx | UTMy | Location Accuracy |
|----------|----------|-----|-----|------|-----|----------|--------|----|----------|-----------|-------------------|
| 3763 S | 3870 W | NE | SW | NE | 27 | 9.0 S | 58.0 W | S | 597659.4 | 4344059.5 | GPS |

Division: 2 District: 67
 County: ELBERT
 Designated Basin: UPPER BIG SANDY
 Management District: UPPER BIG SANDY

Ten Most Recent Readings

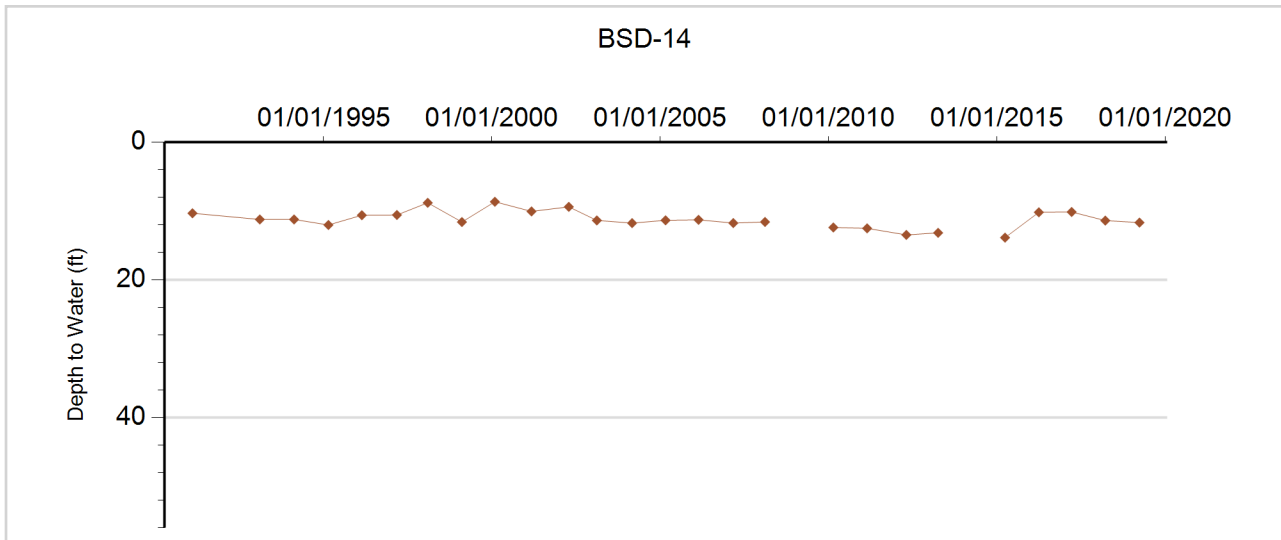
| Date | Depth to Water Feet Below Land Surface | Elevation of Water (ft) | Change From Previous Measure (ft) |
|------------|--|-------------------------|-----------------------------------|
| 03/29/2019 | 11.70 | 5607.30 | -0.29 |
| 03/23/2018 | 11.41 | 5607.59 | -1.25 |
| 03/23/2017 | 10.16 | 5608.84 | 0.05 |
| 04/01/2016 | 10.21 | 5608.79 | 3.68 |
| 03/31/2015 | 13.89 | 5605.11 | |
| 05/20/2014 | | | |
| 04/04/2013 | 13.19 | 5605.81 | 0.30 |
| 04/24/2012 | 13.49 | 5605.51 | -0.95 |
| 02/24/2011 | 12.54 | 5606.46 | -0.13 |
| 02/22/2010 | 12.41 | 5606.59 | |

Construction Information

Surface Elevation (ft): 5619.00
 Well Depth (ft): 56.00
 Depth to Base of Grout (ft):
 Depth to Top of Perforated Casing (ft): 30
 Depth to Bottom of Perforated Casing (ft): 55
 Source Aquifer(s): QUATERNARY ALLUVIUM

Well Measurement Summary

Start Date: 02/08/1991 End Date: 03/29/2019
 Number of Measurements: 28





GROUNDWATER DETAILS

Well Name: BSD-15A
Permit Number: 475-RFP
WDID:
Data Source: DWR

Location Number: SC01106119AA
USGS Site ID:
Applicant/Contact: EARNEST MIKITA

Physical Location

| Dist N/S | Dist E/W | Q10 | Q40 | Q160 | Sec | Township | Range | PM | UTMx | UTMy | Location Accuracy |
|----------|----------|-----|-----|------|-----|----------|--------|----|----------|-----------|-------------------|
| 345 N | 17 W | | NW | NW | 20 | 11.0 S | 61.0 W | S | 564329.0 | 4326282.0 | GPS |

Division: 2 District: 67
 County: EL PASO
 Designated Basin: UPPER BIG SANDY
 Management District: UPPER BIG SANDY

Ten Most Recent Readings

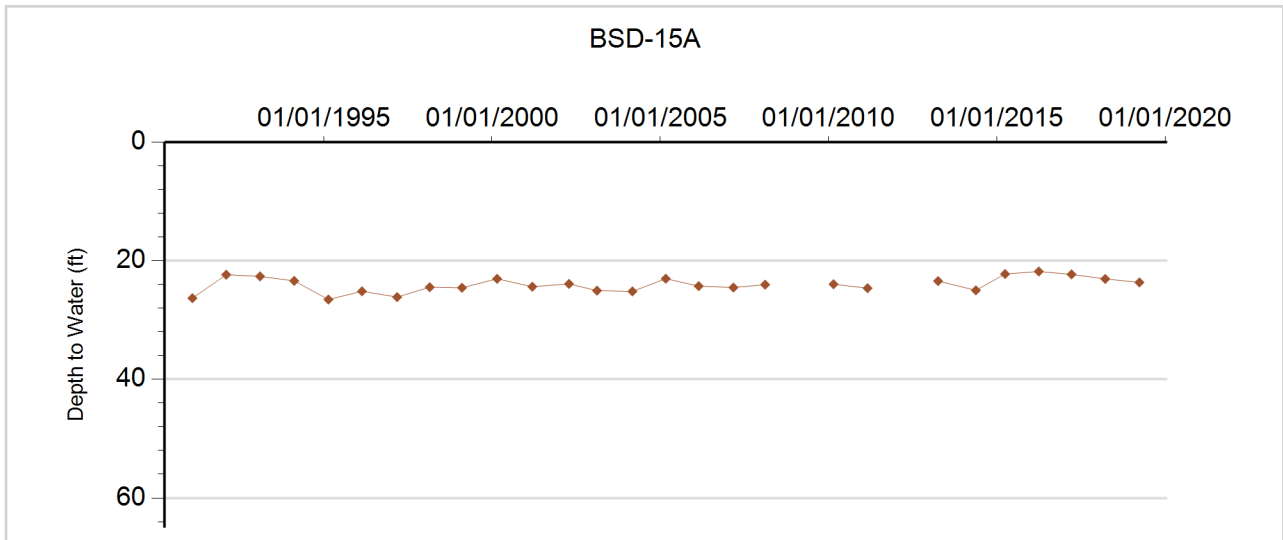
| Date | Depth to Water Feet Below Land Surface | Elevation of Water (ft) | Change From Previous Measure (ft) |
|------------|--|-------------------------|-----------------------------------|
| 03/28/2019 | 23.66 | 6238.34 | -0.58 |
| 03/22/2018 | 23.08 | 6238.92 | -0.77 |
| 03/22/2017 | 22.31 | 6239.69 | -0.48 |
| 03/31/2016 | 21.83 | 6240.17 | 0.42 |
| 03/31/2015 | 22.25 | 6239.75 | 2.75 |
| 05/19/2014 | 25.00 | 6237.00 | -1.56 |
| 04/03/2013 | 23.44 | 6238.56 | |
| 04/23/2012 | | | |
| 02/28/2011 | 24.64 | 6237.36 | -0.67 |
| 02/23/2010 | 23.97 | 6238.03 | |

Construction Information

Surface Elevation (ft): 6262.00
 Well Depth (ft): 65.00
 Depth to Base of Grout (ft):
 Depth to Top of Perforated Casing (ft):
 Depth to Bottom of Perforated Casing (ft):
 Source Aquifer(s): QUATERNARY ALLUVIUM

Well Measurement Summary

Start Date: 02/06/1991 End Date: 03/28/2019
 Number of Measurements: 29





GROUNDWATER DETAILS

Well Name: BSD-16A
 Permit Number: 37087-M
 WDID:
 Data Source: DWR

Location Number: SC01006035BAA
 USGS Site ID:
 Applicant/Contact: UPPER BIG SANDY GWMD

Physical Location

| Dist N/S | Dist E/W | Q10 | Q40 | Q160 | Sec | Township | Range | PM | UTMx | UTMy | Location Accuracy |
|----------|----------|-----|-----|------|-----|----------|--------|----|----------|-----------|-------------------|
| 39 N | 3065 E | NE | NE | NW | 35 | 10.0 S | 60.0 W | S | 579581.5 | 4333000.5 | GPS |

Division: 2 District: 67
 County: ELBERT
 Designated Basin: UPPER BIG SANDY
 Management District: UPPER BIG SANDY

Ten Most Recent Readings

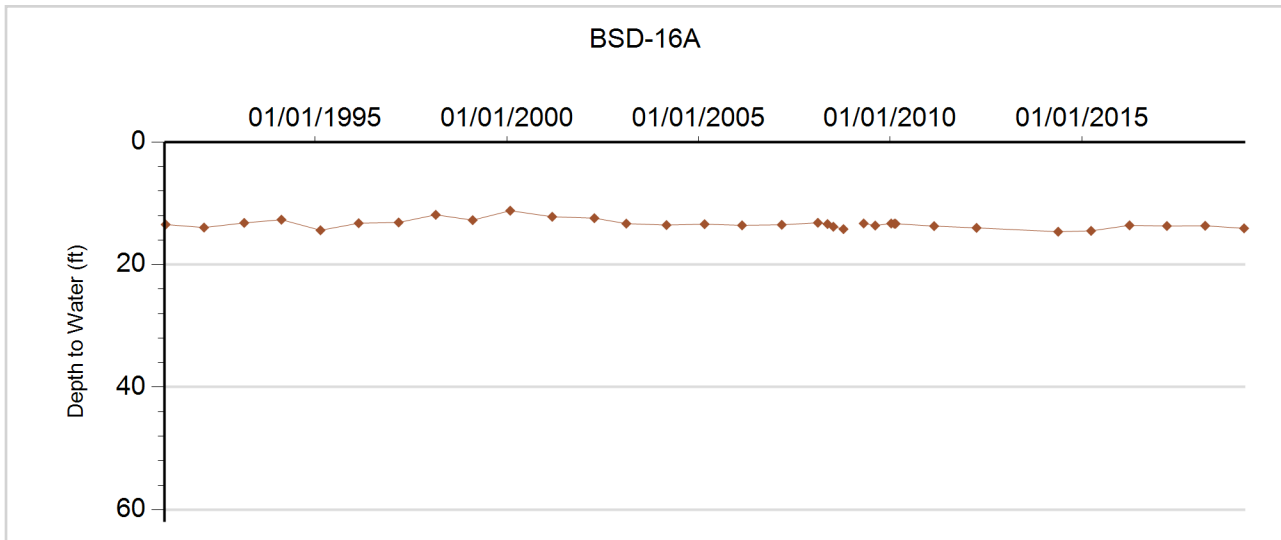
| Date | Depth to Water Feet Below Land Surface | Elevation of Water (ft) | Change From Previous Measure (ft) |
|------------|--|-------------------------|-----------------------------------|
| 03/28/2019 | 14.09 | 5960.91 | -0.42 |
| 03/22/2018 | 13.67 | 5961.33 | 0.03 |
| 03/22/2017 | 13.70 | 5961.30 | -0.10 |
| 03/31/2016 | 13.60 | 5961.40 | 0.90 |
| 03/31/2015 | 14.50 | 5960.50 | 0.14 |
| 05/21/2014 | 14.64 | 5960.36 | -0.63 |
| 04/03/2012 | 14.01 | 5960.99 | -0.29 |
| 02/24/2011 | 13.72 | 5961.28 | -0.38 |
| 02/22/2010 | 13.34 | 5961.66 | -0.01 |
| 02/10/2010 | 13.33 | 5961.67 | -0.03 |

Construction Information

Surface Elevation (ft): 5975.00
 Well Depth (ft): 62.00
 Depth to Base of Grout (ft):
 Depth to Top of Perforated Casing (ft): 32
 Depth to Bottom of Perforated Casing (ft): 62
 Source Aquifer(s): QUATERNARY ALLUVIUM

Well Measurement Summary

Start Date: 02/07/1991 End Date: 03/28/2019
 Number of Measurements: 35





GROUNDWATER DETAILS

Well Name: BSD-17A
Permit Number:
WDID:
Data Source: DWR

Location Number: SC01106223DA
USGS Site ID:
Applicant/Contact: MIKE & GERALD HLATKI

Physical Location

| Dist N/S | Dist E/W | Q10 | Q40 | Q160 | Sec | Township | Range | PM | UTMx | UTMy | Location Accuracy |
|----------|----------|-----|-----|------|-----|----------|--------|----|----------|-----------|-------------------|
| 3490 N | 1194 E | | NE | SE | 23 | 11.0 S | 62.0 W | S | 560783.0 | 4325262.0 | GPS |

Division: 2 District: 67
 County: EL PASO
 Designated Basin: UPPER BIG SANDY
 Management District: UPPER BIG SANDY

Ten Most Recent Readings

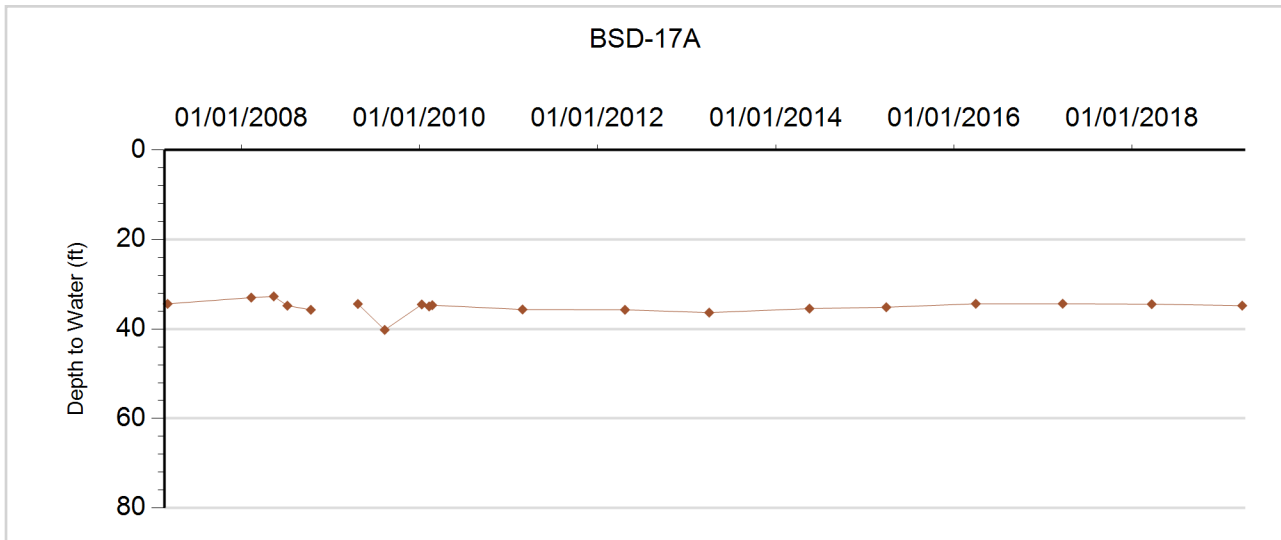
| Date | Depth to Water Feet Below Land Surface | Elevation of Water (ft) | Change From Previous Measure (ft) |
|------------|--|-------------------------|-----------------------------------|
| 03/28/2019 | 34.77 | 6320.23 | -0.33 |
| 03/22/2018 | 34.44 | 6320.56 | -0.10 |
| 03/22/2017 | 34.34 | 6320.66 | 0.01 |
| 03/31/2016 | 34.35 | 6320.65 | 0.78 |
| 03/30/2015 | 35.13 | 6319.87 | 0.30 |
| 05/19/2014 | 35.43 | 6319.57 | 0.90 |
| 04/03/2013 | 36.33 | 6318.67 | -0.63 |
| 04/23/2012 | 35.70 | 6319.30 | -0.07 |
| 02/28/2011 | 35.63 | 6319.37 | -0.96 |
| 02/23/2010 | 34.67 | 6320.33 | 0.28 |

Construction Information

Surface Elevation (ft): 6355.00
 Well Depth (ft): 80.00
 Depth to Base of Grout (ft):
 Depth to Top of Perforated Casing (ft):
 Depth to Bottom of Perforated Casing (ft):
 Source Aquifer(s): QUATERNARY ALLUVIUM

Well Measurement Summary

Start Date: 03/06/2007 End Date: 03/28/2019
 Number of Measurements: 20





GROUNDWATER DETAILS

Well Name: BSD-18
Permit Number: 20183-R-R
WDID:
Data Source: DWR

Location Number: SC01106220BC
USGS Site ID:
Applicant/Contact: DENNIS KUCERIK

Physical Location

| Dist N/S | Dist E/W | Q10 | Q40 | Q160 | Sec | Township | Range | PM | UTMx | UTMy | Location Accuracy |
|----------|----------|-----|-----|------|-----|----------|--------|----|----------|-----------|-------------------|
| 2671 N | 1245 W | | NW | SW | 20 | 11.0 S | 62.0 W | S | 555096.5 | 4325484.7 | GPS |

Division: 2 District: 67
 County: EL PASO
 Designated Basin: UPPER BIG SANDY
 Management District: UPPER BIG SANDY

Ten Most Recent Readings

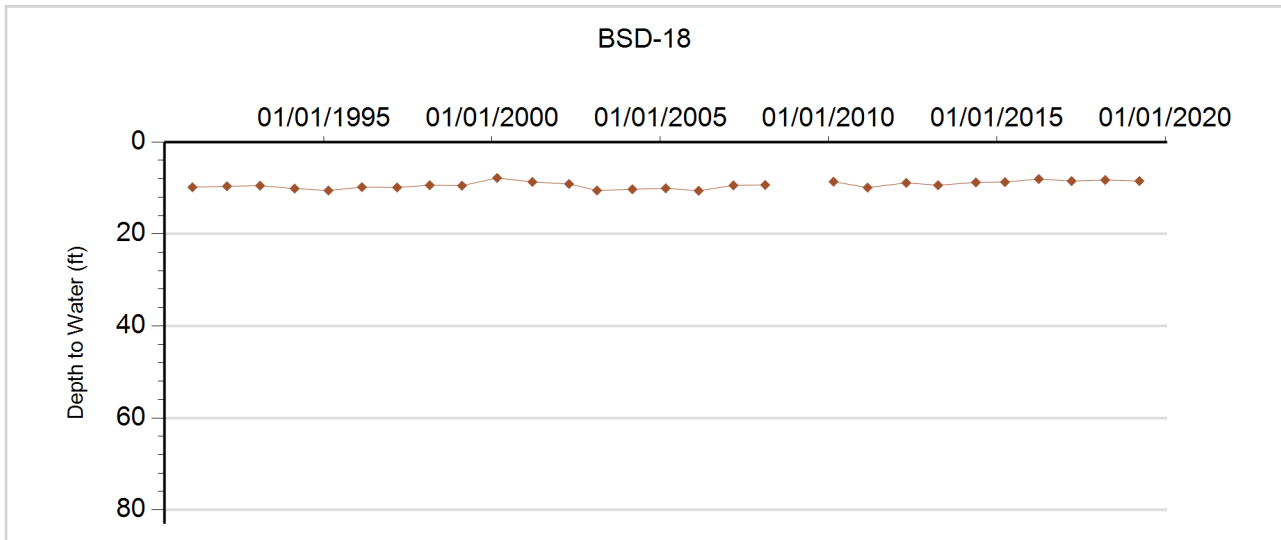
| Date | Depth to Water Feet Below Land Surface | Elevation of Water (ft) | Change From Previous Measure (ft) |
|------------|--|-------------------------|-----------------------------------|
| 03/28/2019 | 8.49 | 6476.51 | -0.22 |
| 03/22/2018 | 8.27 | 6476.73 | 0.23 |
| 03/22/2017 | 8.50 | 6476.50 | -0.45 |
| 03/31/2016 | 8.05 | 6476.95 | 0.66 |
| 03/30/2015 | 8.71 | 6476.29 | 0.07 |
| 05/19/2014 | 8.78 | 6476.22 | 0.62 |
| 04/03/2013 | 9.40 | 6475.60 | -0.51 |
| 04/23/2012 | 8.89 | 6476.11 | 1.02 |
| 02/28/2011 | 9.91 | 6475.09 | -1.28 |
| 02/23/2010 | 8.63 | 6476.37 | |

Construction Information

Surface Elevation (ft): 6485.00
 Well Depth (ft): 83.00
 Depth to Base of Grout (ft):
 Depth to Top of Perforated Casing (ft): 43
 Depth to Bottom of Perforated Casing (ft): 83
 Source Aquifer(s): QUATERNARY ALLUVIUM

Well Measurement Summary

Start Date: 02/06/1991 End Date: 03/28/2019
 Number of Measurements: 29





GROUNDWATER DETAILS

Well Name: BSD-19
Permit Number: 13038-F
WDID:
Data Source: DWR

Location Number: SC01106324DB
USGS Site ID:
Applicant/Contact: WAYNE TURNER

Physical Location

| Dist N/S | Dist E/W | Q10 | Q40 | Q160 | Sec | Township | Range | PM | UTMx | UTMy | Location Accuracy |
|----------|----------|-----|-----|------|-----|----------|--------|----|----------|-----------|-------------------|
| 3683 N | 3794 W | | NW | SE | 24 | 11.0 S | 63.0 W | S | 552662.5 | 4325163.8 | GPS |

Division: 2 District: 67
 County: EL PASO
 Designated Basin: UPPER BIG SANDY
 Management District: UPPER BIG SANDY

Ten Most Recent Readings

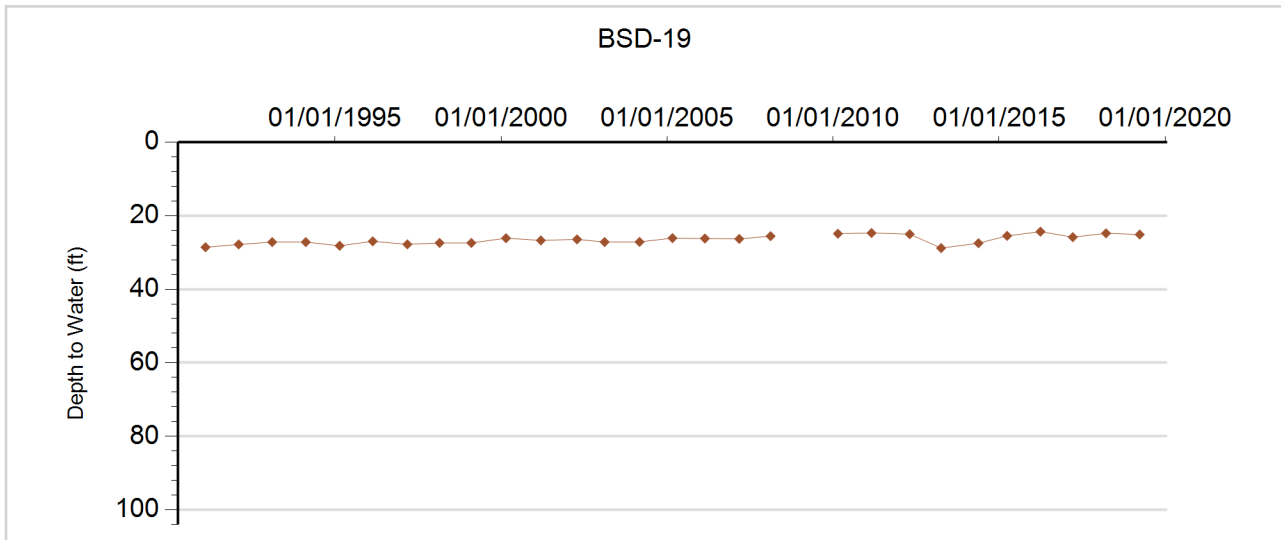
| Date | Depth to Water Feet Below Land Surface | Elevation of Water (ft) | Change From Previous Measure (ft) |
|------------|--|-------------------------|-----------------------------------|
| 03/28/2019 | 25.14 | 6549.86 | -0.33 |
| 03/22/2018 | 24.81 | 6550.19 | 1.05 |
| 03/22/2017 | 25.86 | 6549.14 | -1.49 |
| 03/31/2016 | 24.37 | 6550.63 | 1.14 |
| 03/30/2015 | 25.51 | 6549.49 | 1.99 |
| 05/19/2014 | 27.50 | 6547.50 | 1.33 |
| 04/03/2013 | 28.83 | 6546.17 | -3.78 |
| 04/23/2012 | 25.05 | 6549.95 | -0.32 |
| 02/28/2011 | 24.73 | 6550.27 | 0.19 |
| 02/23/2010 | 24.92 | 6550.08 | |

Construction Information

Surface Elevation (ft): 6575.00
 Well Depth (ft): 104.00
 Depth to Base of Grout (ft): 12
 Depth to Top of Perforated Casing (ft): 36
 Depth to Bottom of Perforated Casing (ft): 104
 Source Aquifer(s): QUATERNARY ALLUVIUM

Well Measurement Summary

Start Date: 02/06/1991 End Date: 03/28/2019
 Number of Measurements: 29





GROUNDWATER DETAILS

Well Name: BSD-21
Permit Number: 10282-FP
WDID:
Data Source: DWR

Location Number: SC01106111BD
USGS Site ID:
Applicant/Contact: JOHN MIKITA

Physical Location

| Dist N/S | Dist E/W | Q10 | Q40 | Q160 | Sec | Township | Range | PM | UTMx | UTMy | Location Accuracy |
|----------|----------|-----|-----|------|-----|----------|--------|----|----------|-----------|-------------------|
| 2703 S | 1296 W | | SW | NW | 11 | 11.0 S | 61.0 W | S | 569530.5 | 4328960.6 | GPS |

Division: 2 District: 67
 County: EL PASO
 Designated Basin: UPPER BIG SANDY
 Management District: UPPER BIG SANDY

Ten Most Recent Readings

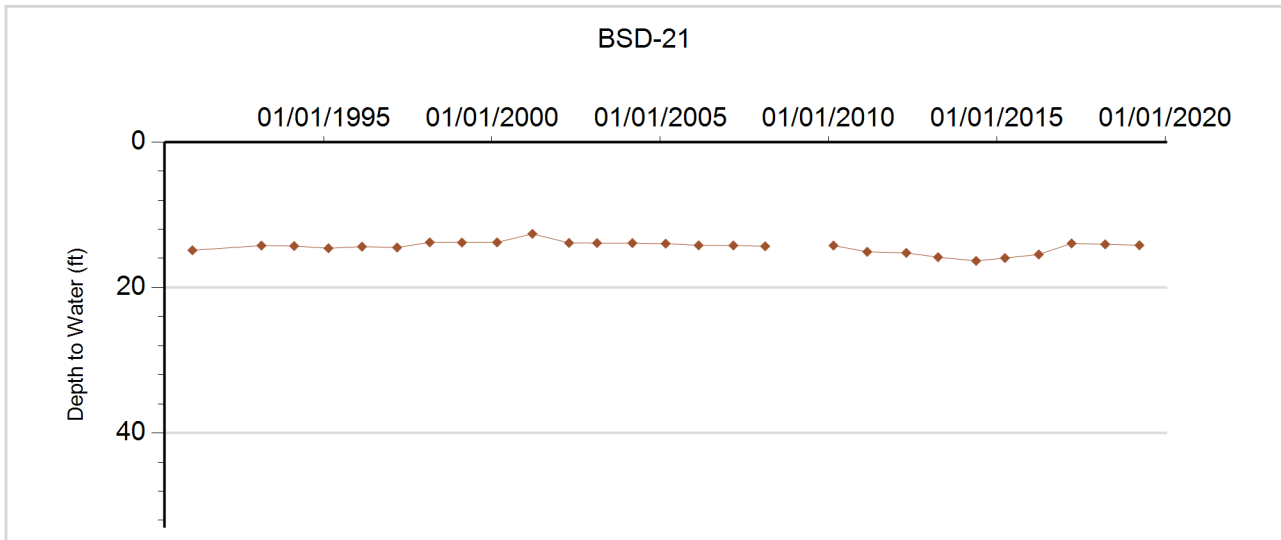
| Date | Depth to Water Feet Below Land Surface | Elevation of Water (ft) | Change From Previous Measure (ft) |
|------------|--|-------------------------|-----------------------------------|
| 03/28/2019 | 14.19 | 6128.81 | -0.13 |
| 03/22/2018 | 14.06 | 6128.94 | -0.12 |
| 03/22/2017 | 13.94 | 6129.06 | 1.52 |
| 03/31/2016 | 15.46 | 6127.54 | 0.49 |
| 03/30/2015 | 15.95 | 6127.05 | 0.39 |
| 05/21/2014 | 16.34 | 6126.66 | -0.51 |
| 04/03/2013 | 15.83 | 6127.17 | -0.59 |
| 04/23/2012 | 15.24 | 6127.76 | -0.15 |
| 02/24/2011 | 15.09 | 6127.91 | -0.86 |
| 02/23/2010 | 14.23 | 6128.77 | |

Construction Information

Surface Elevation (ft): 6143.00
 Well Depth (ft): 53.00
 Depth to Base of Grout (ft):
 Depth to Top of Perforated Casing (ft): 23
 Depth to Bottom of Perforated Casing (ft): 53
 Source Aquifer(s): QUATERNARY ALLUVIUM

Well Measurement Summary

Start Date: 02/06/1991 End Date: 03/28/2019
 Number of Measurements: 28





GROUNDWATER DETAILS

Well Name: BSD-22
Permit Number: 1652-RFP
WDID:
Data Source: DWR

Location Number: SC01106112BA
USGS Site ID:
Applicant/Contact: PAUL WINGARD

Physical Location

| Dist N/S | Dist E/W | Q10 | Q40 | Q160 | Sec | Township | Range | PM | UTMx | UTMy | Location Accuracy |
|----------|----------|-----|-----|------|-----|----------|--------|----|----------|-----------|-------------------|
| 229 N | 3310 E | | NE | NW | 12 | 11.0 S | 61.0 W | S | 571382.5 | 4329700.6 | GPS |

Division: 2 District: 67
 County: EL PASO
 Designated Basin: UPPER BIG SANDY
 Management District: UPPER BIG SANDY

Ten Most Recent Readings

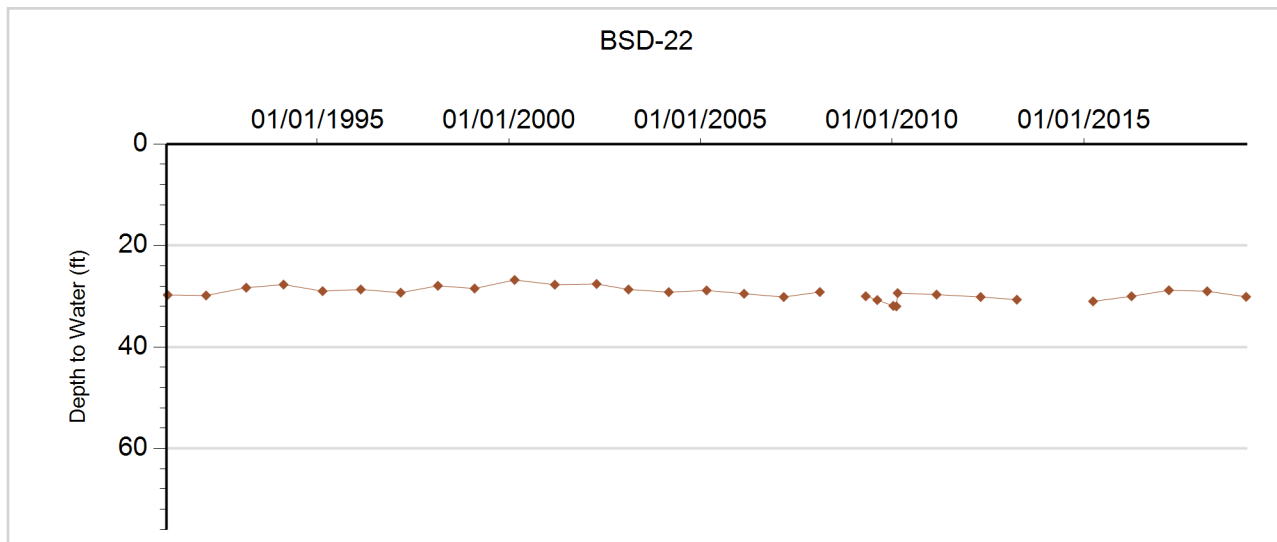
| Date | Depth to Water Feet Below Land Surface | Elevation of Water (ft) | Change From Previous Measure (ft) |
|------------|--|-------------------------|-----------------------------------|
| 03/28/2019 | 30.12 | 6099.88 | -1.10 |
| 03/22/2018 | 29.02 | 6100.98 | -0.19 |
| 03/22/2017 | 28.83 | 6101.17 | 1.18 |
| 03/31/2016 | 30.01 | 6099.99 | 1.00 |
| 03/30/2015 | 31.01 | 6098.99 | |
| 05/21/2014 | | | |
| 04/03/2013 | 30.68 | 6099.32 | -0.53 |
| 04/23/2012 | 30.15 | 6099.85 | -0.47 |
| 02/28/2011 | 29.68 | 6100.32 | -0.30 |
| 02/22/2010 | 29.38 | 6100.62 | 2.62 |

Construction Information

Surface Elevation (ft): 6130.00
 Well Depth (ft): 76.00
 Depth to Base of Grout (ft):
 Depth to Top of Perforated Casing (ft):
 Depth to Bottom of Perforated Casing (ft):
 Source Aquifer(s): QUATERNARY ALLUVIUM

Well Measurement Summary

Start Date: 02/06/1991 End Date: 03/28/2019
 Number of Measurements: 33





GROUNDWATER DETAILS

Well Name: BSD-26
Permit Number:
WDID:
Data Source: DWR

Location Number: SC01006032AC
USGS Site ID:
Applicant/Contact: BADLY SCATTERED CATTLE CO

Physical Location

| Dist N/S | Dist E/W | Q10 | Q40 | Q160 | Sec | Township | Range | PM | UTMx | UTMy | Location Accuracy |
|----------|----------|-----|-----|------|-----|----------|--------|----|----------|-----------|-------------------|
| 3950 S | 2842 W | | SW | NE | 32 | 10.0 S | 60.0 W | S | 574863.5 | 4332625.5 | GPS |

Division: 2 District: 67
 County: ELBERT
 Designated Basin: UPPER BIG SANDY
 Management District: UPPER BIG SANDY

Ten Most Recent Readings

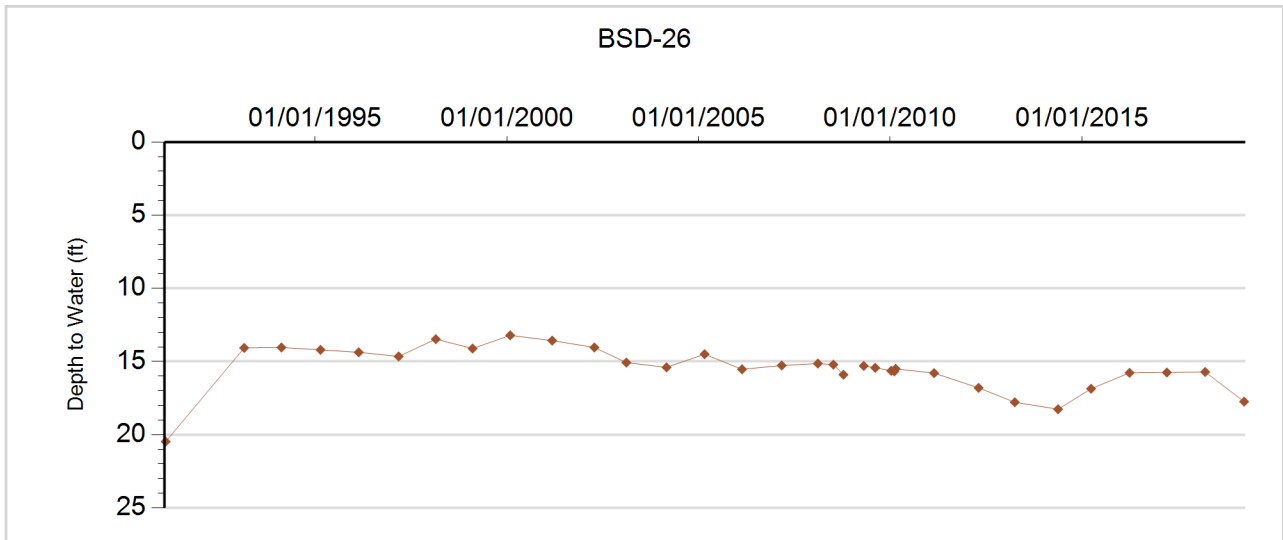
| Date | Depth to Water Feet Below Land Surface | Elevation of Water (ft) | Change From Previous Measure (ft) |
|------------|--|-------------------------|-----------------------------------|
| 03/28/2019 | 17.74 | 5997.26 | -2.03 |
| 03/22/2018 | 15.71 | 5999.29 | 0.04 |
| 03/22/2017 | 15.75 | 5999.25 | 0.02 |
| 03/31/2016 | 15.77 | 5999.23 | 1.09 |
| 03/31/2015 | 16.86 | 5998.14 | 1.40 |
| 05/20/2014 | 18.26 | 5996.74 | -0.48 |
| 04/03/2013 | 17.78 | 5997.22 | -0.98 |
| 04/23/2012 | 16.80 | 5998.20 | -1.01 |
| 02/24/2011 | 15.79 | 5999.21 | -0.29 |
| 02/22/2010 | 15.50 | 5999.50 | 0.17 |

Construction Information

Surface Elevation (ft): 6015.00
 Well Depth (ft):
 Depth to Base of Grout (ft):
 Depth to Top of Perforated Casing (ft):
 Depth to Bottom of Perforated Casing (ft):
 Source Aquifer(s): QUATERNARY ALLUVIUM

Well Measurement Summary

Start Date: 02/07/1991 End Date: 03/28/2019
 Number of Measurements: 34





GROUNDWATER DETAILS

Well Name: BSD-27
Permit Number: 10246-F
WDID:
Data Source: DWR

Location Number: SC01006027DC
USGS Site ID:
Applicant/Contact: MARYANN MCKIM

Physical Location

| Dist N/S | Dist E/W | Q10 | Q40 | Q160 | Sec | Township | Range | PM | UTMx | UTMy | Location Accuracy |
|----------|----------|-----|-----|------|-----|----------|--------|----|----------|-----------|-------------------|
| 927 S | 3072 W | | SW | SE | 27 | 10.0 S | 60.0 W | S | 578177.5 | 4333285.5 | GPS |

Division: 2 District: 67
 County: ELBERT
 Designated Basin: UPPER BIG SANDY
 Management District: UPPER BIG SANDY

Ten Most Recent Readings

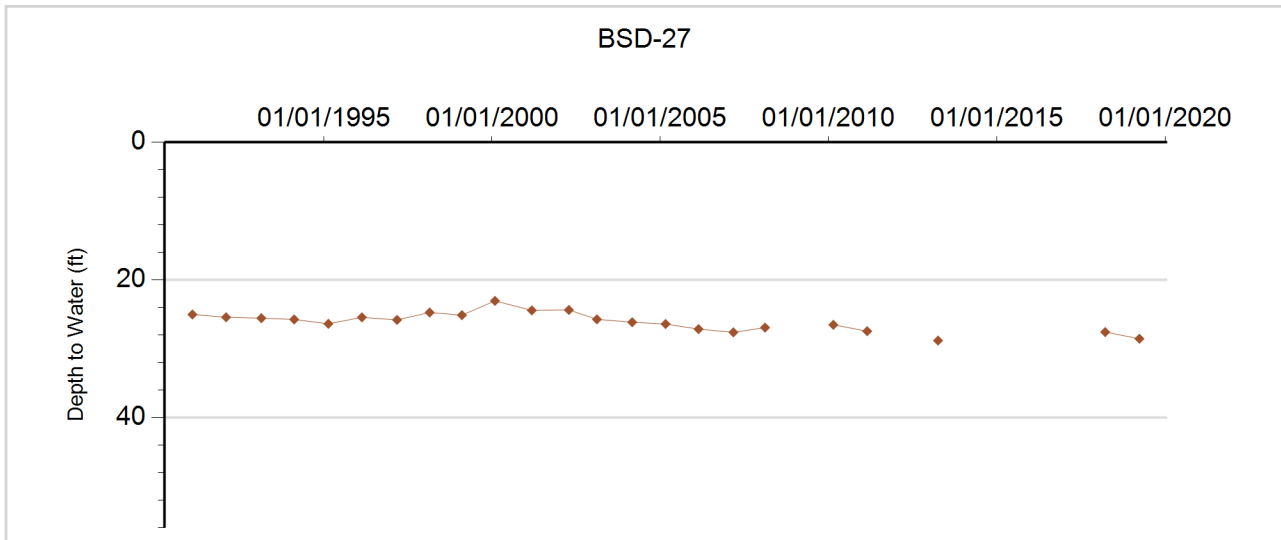
| Date | Depth to Water Feet Below Land Surface | Elevation of Water (ft) | Change From Previous Measure (ft) |
|------------|--|-------------------------|-----------------------------------|
| 03/28/2019 | 28.57 | 5949.43 | -0.97 |
| 03/22/2018 | 27.60 | 5950.40 | |
| 05/21/2014 | | | |
| 04/03/2013 | 28.84 | 5949.16 | |
| 04/23/2012 | | | |
| 02/24/2011 | 27.47 | 5950.53 | -0.92 |
| 02/22/2010 | 26.55 | 5951.45 | |
| 01/01/2009 | | | |
| 02/12/2008 | 26.95 | 5951.05 | 0.69 |
| 03/05/2007 | 27.64 | 5950.36 | -0.47 |

Construction Information

Surface Elevation (ft): 5978.00
 Well Depth (ft): 56.00
 Depth to Base of Grout (ft):
 Depth to Top of Perforated Casing (ft):
 Depth to Bottom of Perforated Casing (ft):
 Source Aquifer(s): QUATERNARY ALLUVIUM

Well Measurement Summary

Start Date: 02/07/1991 End Date: 03/28/2019
 Number of Measurements: 26





GROUNDWATER DETAILS

Well Name: BSD-29
Permit Number: 9446-FP
WDID:
Data Source: DWR

Location Number: SC01106116DC
USGS Site ID:
Applicant/Contact: ROGER WOODARD

Physical Location

| Dist N/S | Dist E/W | Q10 | Q40 | Q160 | Sec | Township | Range | PM | UTMx | UTMy | Location Accuracy |
|----------|----------|-----|-----|------|-----|----------|--------|----|----------|-----------|-------------------|
| 673 S | 3067 W | | SW | SE | 16 | 11.0 S | 61.0 W | S | 566861.5 | 4326625.6 | GPS |

Division: 2 District: 67
 County: EL PASO
 Designated Basin: UPPER BIG SANDY
 Management District: UPPER BIG SANDY

Ten Most Recent Readings

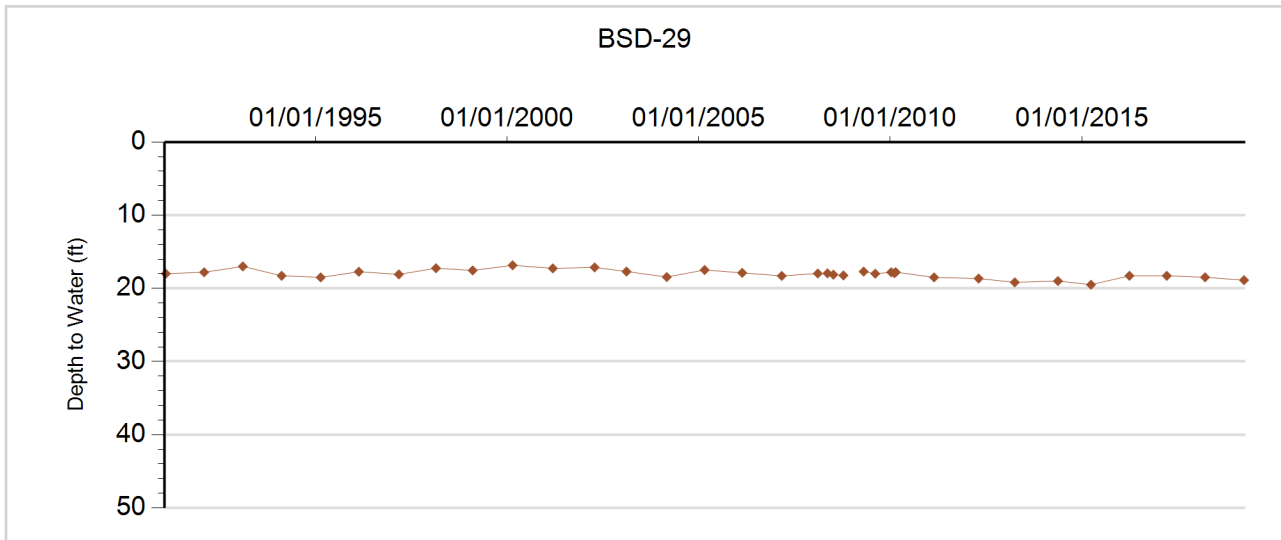
| Date | Depth to Water Feet Below Land Surface | Elevation of Water (ft) | Change From Previous Measure (ft) |
|------------|--|-------------------------|-----------------------------------|
| 03/28/2019 | 18.88 | 6181.12 | -0.39 |
| 03/22/2018 | 18.49 | 6181.51 | -0.20 |
| 03/22/2017 | 18.29 | 6181.71 | -0.01 |
| 03/31/2016 | 18.28 | 6181.72 | 1.22 |
| 03/30/2015 | 19.50 | 6180.50 | -0.50 |
| 05/19/2014 | 19.00 | 6181.00 | 0.18 |
| 04/03/2013 | 19.18 | 6180.82 | -0.52 |
| 04/23/2012 | 18.66 | 6181.34 | -0.16 |
| 02/24/2011 | 18.50 | 6181.50 | -0.71 |
| 02/23/2010 | 17.79 | 6182.21 | 0.13 |

Construction Information

Surface Elevation (ft): 6200.00
 Well Depth (ft): 50.00
 Depth to Base of Grout (ft):
 Depth to Top of Perforated Casing (ft): 35
 Depth to Bottom of Perforated Casing (ft): 50
 Source Aquifer(s): QUATERNARY ALLUVIUM

Well Measurement Summary

Start Date: 02/06/1991 End Date: 03/28/2019
 Number of Measurements: 36





GROUNDWATER DETAILS

Well Name: BSD-30
 Permit Number: 4339-FP
 WDID:
 Data Source: DWR

Location Number: SC01006036BC
 USGS Site ID:
 Applicant/Contact: LYLE HAMACHER

Physical Location

| Dist N/S | Dist E/W | Q10 | Q40 | Q160 | Sec | Township | Range | PM | UTMx | UTMy | Location Accuracy |
|----------|----------|-----|-----|------|-----|----------|--------|----|----------|-----------|-------------------|
| 2702 S | 3596 E | | SE | NW | 36 | 10.0 S | 60.0 W | S | 580949.5 | 4332269.5 | GPS |

Division: 2 District: 67
 County: ELBERT
 Designated Basin: UPPER BIG SANDY
 Management District: UPPER BIG SANDY

Ten Most Recent Readings

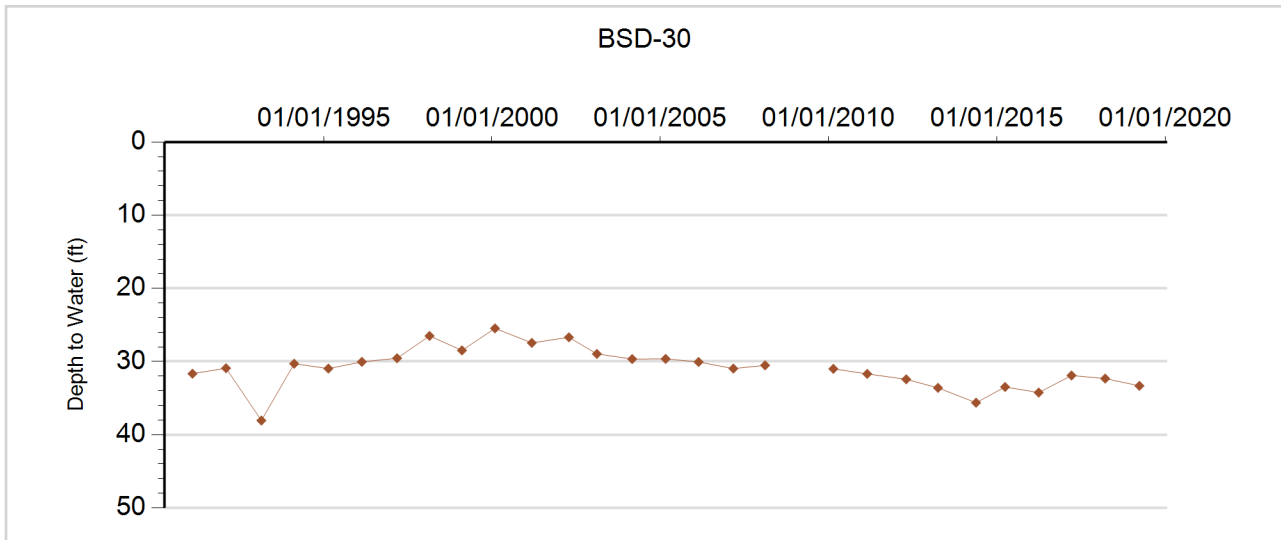
| Date | Depth to Water Feet Below Land Surface | Elevation of Water (ft) | Change From Previous Measure (ft) |
|------------|--|-------------------------|-----------------------------------|
| 03/28/2019 | 33.32 | 5891.68 | -0.99 |
| 03/22/2018 | 32.33 | 5892.67 | -0.42 |
| 03/22/2017 | 31.91 | 5893.09 | 2.33 |
| 03/31/2016 | 34.24 | 5890.76 | -0.76 |
| 03/31/2015 | 33.48 | 5891.52 | 2.15 |
| 05/21/2014 | 35.63 | 5889.37 | -2.03 |
| 04/03/2013 | 33.60 | 5891.40 | -1.17 |
| 04/23/2012 | 32.43 | 5892.57 | -0.74 |
| 02/24/2011 | 31.69 | 5893.31 | -0.69 |
| 02/22/2010 | 31.00 | 5894.00 | |

Construction Information

Surface Elevation (ft): 5925.00
 Well Depth (ft): 50.00
 Depth to Base of Grout (ft):
 Depth to Top of Perforated Casing (ft): 20
 Depth to Bottom of Perforated Casing (ft): 50
 Source Aquifer(s): QUATERNARY ALLUVIUM

Well Measurement Summary

Start Date: 02/07/1991 End Date: 03/28/2019
 Number of Measurements: 29





GROUNDWATER DETAILS

Well Name: BSD-30A
Permit Number: 37089-M
WDID:
Data Source: DWR

Location Number: SC01106326AD
USGS Site ID:
Applicant/Contact: UPPER BIG SANDY GWMD

Physical Location

| Dist N/S | Dist E/W | Q10 | Q40 | Q160 | Sec | Township | Range | PM | UTMx | UTMy | Location Accuracy |
|----------|----------|-----|-----|------|-----|----------|--------|----|----------|-----------|-------------------|
| 1248 N | 76 E | | NE | NE | 26 | 11.0 S | 63.0 W | S | 551486.5 | 4324313.8 | GPS |

Division: 2 District: 67
 County: EL PASO
 Designated Basin: UPPER BIG SANDY
 Management District: UPPER BIG SANDY

Ten Most Recent Readings

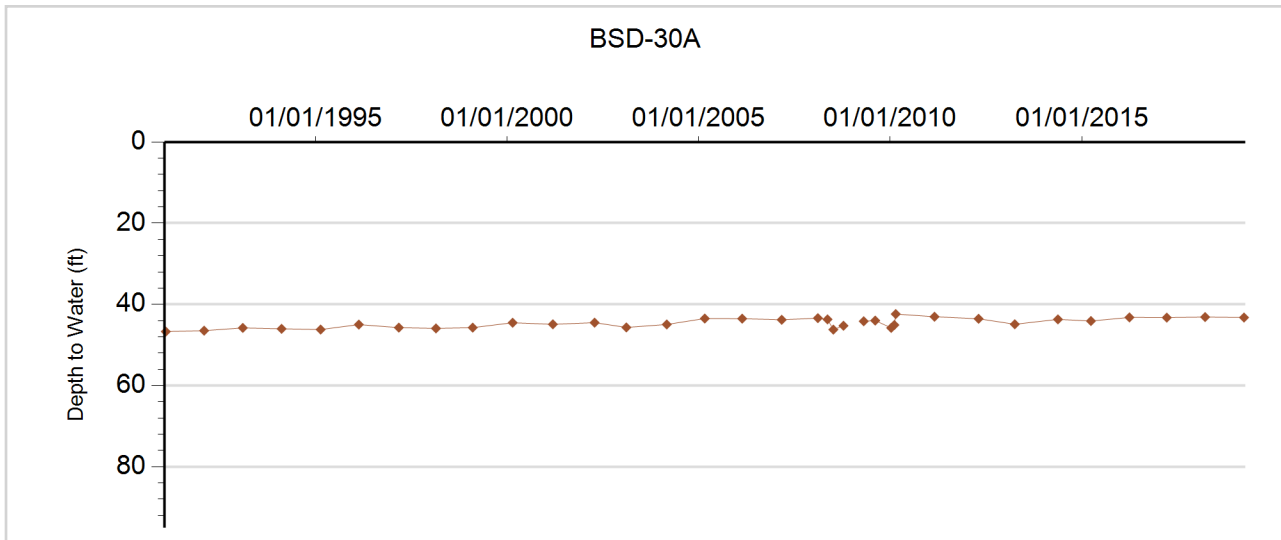
| Date | Depth to Water Feet Below Land Surface | Elevation of Water (ft) | Change From Previous Measure (ft) |
|------------|--|-------------------------|-----------------------------------|
| 03/28/2019 | 43.24 | 6581.76 | -0.12 |
| 03/22/2018 | 43.12 | 6581.88 | 0.14 |
| 03/22/2017 | 43.26 | 6581.74 | -0.05 |
| 03/31/2016 | 43.21 | 6581.79 | 0.89 |
| 03/30/2015 | 44.10 | 6580.90 | -0.40 |
| 05/19/2014 | 43.70 | 6581.30 | 1.20 |
| 04/03/2013 | 44.90 | 6580.10 | -1.35 |
| 04/23/2012 | 43.55 | 6581.45 | -0.51 |
| 02/28/2011 | 43.04 | 6581.96 | -0.66 |
| 02/23/2010 | 42.38 | 6582.62 | 2.70 |

Construction Information

Surface Elevation (ft): 6625.00
 Well Depth (ft): 95.00
 Depth to Base of Grout (ft): 21
 Depth to Top of Perforated Casing (ft): 64
 Depth to Bottom of Perforated Casing (ft): 95
 Source Aquifer(s): QUATERNARY ALLUVIUM

Well Measurement Summary

Start Date: 02/06/1991 End Date: 03/28/2019
 Number of Measurements: 36





GROUNDWATER DETAILS

Well Name: BSD-31
Permit Number:
WDID:
Data Source: DWR

Location Number: SC01005930CA
USGS Site ID:
Applicant/Contact: LASATER RANCH

Physical Location

| Dist N/S | Dist E/W | Q10 | Q40 | Q160 | Sec | Township | Range | PM | UTMx | UTMy | Location Accuracy |
|----------|----------|-----|-----|------|-----|----------|--------|----|----------|-----------|-------------------|
| 1258 S | 3722 E | | SE | SW | 30 | 10.0 S | 59.0 W | S | 582518.5 | 4333444.5 | GPS |

Division: 2 District: 67
 County: ELBERT
 Designated Basin: UPPER BIG SANDY
 Management District: UPPER BIG SANDY

Ten Most Recent Readings

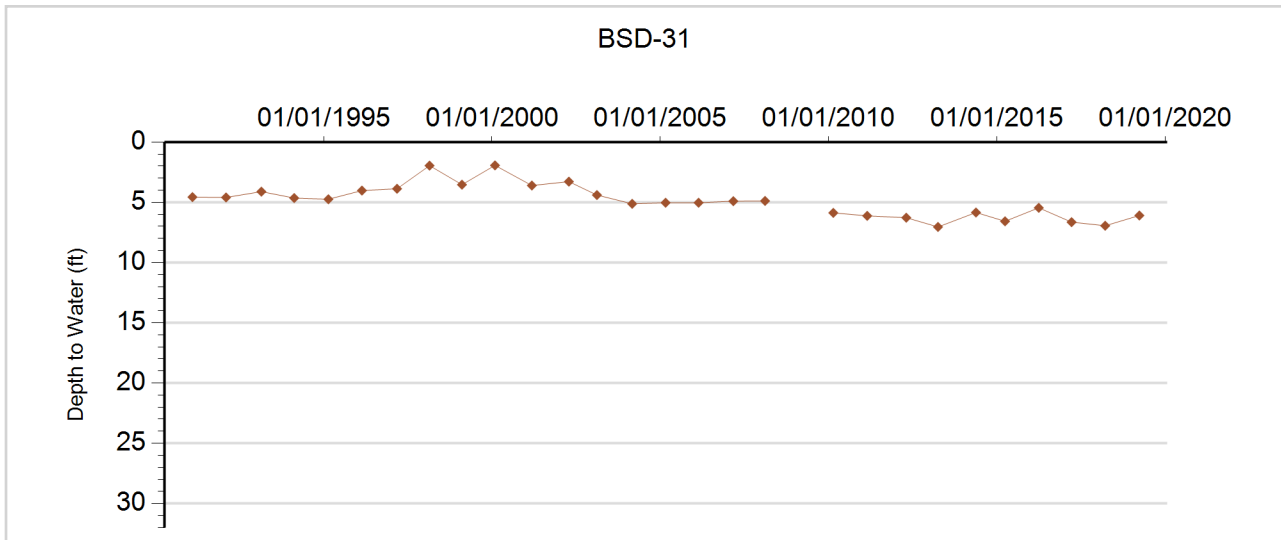
| Date | Depth to Water Feet Below Land Surface | Elevation of Water (ft) | Change From Previous Measure (ft) |
|------------|--|-------------------------|-----------------------------------|
| 03/28/2019 | 6.10 | 5888.90 | 0.85 |
| 03/22/2018 | 6.95 | 5888.05 | -0.30 |
| 03/22/2017 | 6.65 | 5888.35 | -1.19 |
| 03/31/2016 | 5.46 | 5889.54 | 1.12 |
| 03/31/2015 | 6.58 | 5888.42 | -0.73 |
| 05/20/2014 | 5.85 | 5889.15 | 1.20 |
| 04/03/2013 | 7.05 | 5887.95 | -0.77 |
| 04/23/2012 | 6.28 | 5888.72 | -0.15 |
| 02/24/2011 | 6.13 | 5888.87 | -0.25 |
| 02/22/2010 | 5.88 | 5889.12 | |

Construction Information

Surface Elevation (ft): 5895.00
 Well Depth (ft): 32.00
 Depth to Base of Grout (ft):
 Depth to Top of Perforated Casing (ft):
 Depth to Bottom of Perforated Casing (ft):
 Source Aquifer(s): QUATERNARY ALLUVIUM

Well Measurement Summary

Start Date: 02/07/1991 End Date: 03/28/2019
 Number of Measurements: 29





GROUNDWATER DETAILS

Well Name: BSD-33
Permit Number: 3997-F
WDID:
Data Source: DWR

Location Number: SC01005922BA
USGS Site ID:
Applicant/Contact: ALFERD GIECK

Physical Location

| Dist N/S | Dist E/W | Q10 | Q40 | Q160 | Sec | Township | Range | PM | UTMx | UTMy | Location Accuracy |
|----------|----------|-----|-----|------|-----|----------|--------|----|----------|-----------|-------------------|
| 1182 N | 3892 E | | NE | NW | 22 | 10.0 S | 59.0 W | S | 587251.5 | 4335979.5 | GPS |

Division: 2 District: 67
 County: ELBERT
 Designated Basin: UPPER BIG SANDY
 Management District: UPPER BIG SANDY

Ten Most Recent Readings

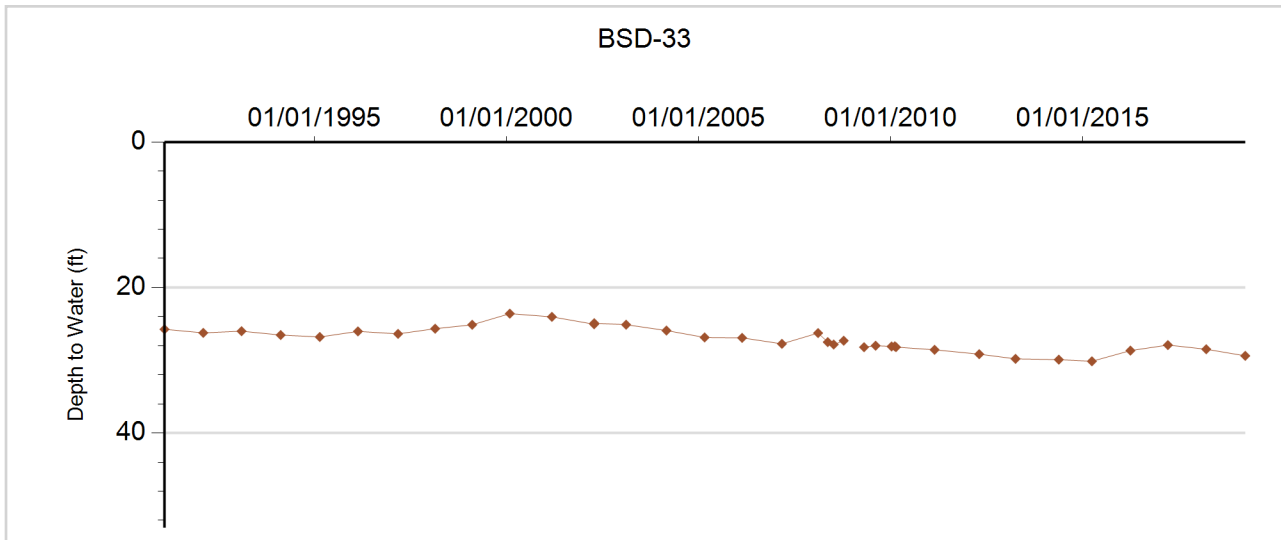
| Date | Depth to Water Feet Below Land Surface | Elevation of Water (ft) | Change From Previous Measure (ft) |
|------------|--|-------------------------|-----------------------------------|
| 03/28/2019 | 29.39 | 5785.61 | -0.91 |
| 03/22/2018 | 28.48 | 5786.52 | -0.57 |
| 03/22/2017 | 27.91 | 5787.09 | 0.76 |
| 03/31/2016 | 28.67 | 5786.33 | 1.47 |
| 03/31/2015 | 30.14 | 5784.86 | -0.23 |
| 05/20/2014 | 29.91 | 5785.09 | -0.11 |
| 04/03/2013 | 29.80 | 5785.20 | -0.64 |
| 04/23/2012 | 29.16 | 5785.84 | -0.60 |
| 02/24/2011 | 28.56 | 5786.44 | -0.37 |
| 02/22/2010 | 28.19 | 5786.81 | -0.11 |

Construction Information

Surface Elevation (ft): 5815.00
 Well Depth (ft): 53.00
 Depth to Base of Grout (ft):
 Depth to Top of Perforated Casing (ft): 24
 Depth to Bottom of Perforated Casing (ft): 53
 Source Aquifer(s): QUATERNARY ALLUVIUM

Well Measurement Summary

Start Date: 02/07/1991 End Date: 03/28/2019
 Number of Measurements: 37





GROUNDWATER DETAILS

Well Name: BSD-36
Permit Number: 16983-S
WDID:
Data Source: DWR

Location Number: SC01005807CD
USGS Site ID:
Applicant/Contact: LINDA GLOVER

Physical Location

| Dist N/S | Dist E/W | Q10 | Q40 | Q160 | Sec | Township | Range | PM | UTMx | UTMy | Location Accuracy |
|----------|----------|-----|-----|------|-----|----------|--------|----|----------|-----------|-------------------|
| 750 S | 2924 E | | SE | SW | 7 | 10.0 S | 58.0 W | S | 592443.5 | 4338276.5 | GPS |

Division: 2 District: 67
 County: ELBERT
 Designated Basin: UPPER BIG SANDY
 Management District: UPPER BIG SANDY

Ten Most Recent Readings

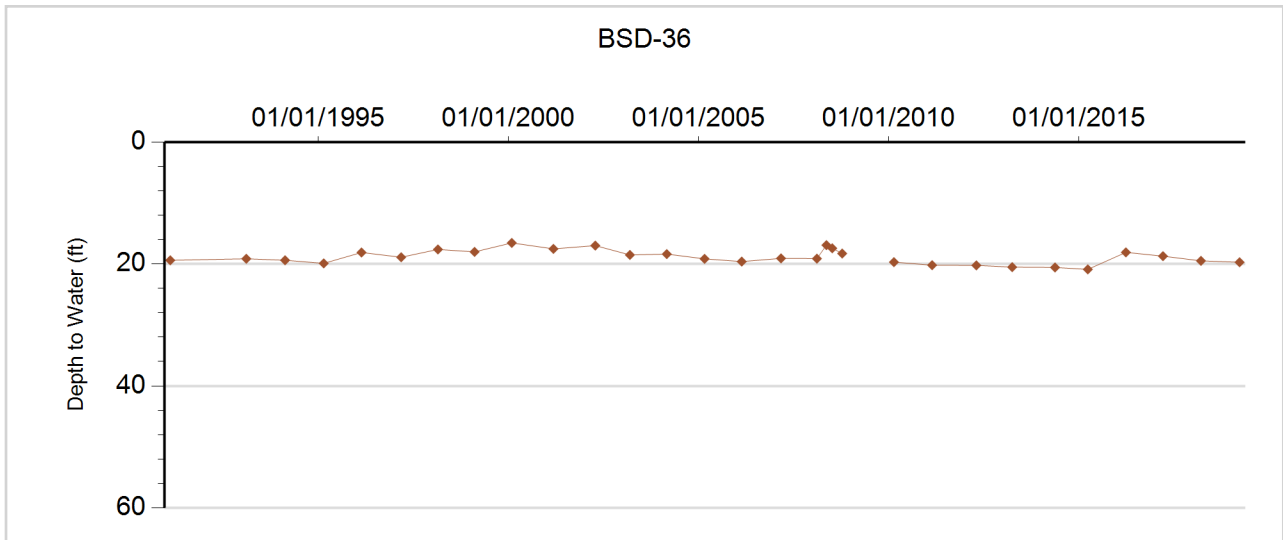
| Date | Depth to Water Feet Below Land Surface | Elevation of Water (ft) | Change From Previous Measure (ft) |
|------------|--|-------------------------|-----------------------------------|
| 03/28/2019 | 19.72 | 5713.28 | -0.23 |
| 03/22/2018 | 19.49 | 5713.51 | -0.77 |
| 03/22/2017 | 18.72 | 5714.28 | -0.62 |
| 03/31/2016 | 18.10 | 5714.90 | 2.79 |
| 03/31/2015 | 20.89 | 5712.11 | -0.32 |
| 05/20/2014 | 20.57 | 5712.43 | -0.05 |
| 04/03/2013 | 20.52 | 5712.48 | -0.29 |
| 04/24/2012 | 20.23 | 5712.77 | -0.03 |
| 02/24/2011 | 20.20 | 5712.80 | -0.50 |
| 02/22/2010 | 19.70 | 5713.30 | |

Construction Information

Surface Elevation (ft): 5733.00
 Well Depth (ft): 60.00
 Depth to Base of Grout (ft):
 Depth to Top of Perforated Casing (ft):
 Depth to Bottom of Perforated Casing (ft):
 Source Aquifer(s): QUATERNARY ALLUVIUM

Well Measurement Summary

Start Date: 02/08/1991 End Date: 03/28/2019
 Number of Measurements: 31





GROUNDWATER DETAILS

Well Name: BSD-37
Permit Number:
WDID:
Data Source: DWR

Location Number: SC01005816BB
USGS Site ID:
Applicant/Contact: LASATER RANCH

Physical Location

| Dist N/S | Dist E/W | Q10 | Q40 | Q160 | Sec | Township | Range | PM | UTMx | UTMy | Location Accuracy |
|----------|----------|-----|-----|------|-----|----------|--------|----|----------|-----------|-------------------|
| 1079 N | 173 W | | NW | NW | 16 | 10.0 S | 58.0 W | S | 594977.4 | 4337734.5 | GPS |

Division: 2 District: 67
 County: ELBERT
 Designated Basin: UPPER BIG SANDY
 Management District: UPPER BIG SANDY

Ten Most Recent Readings

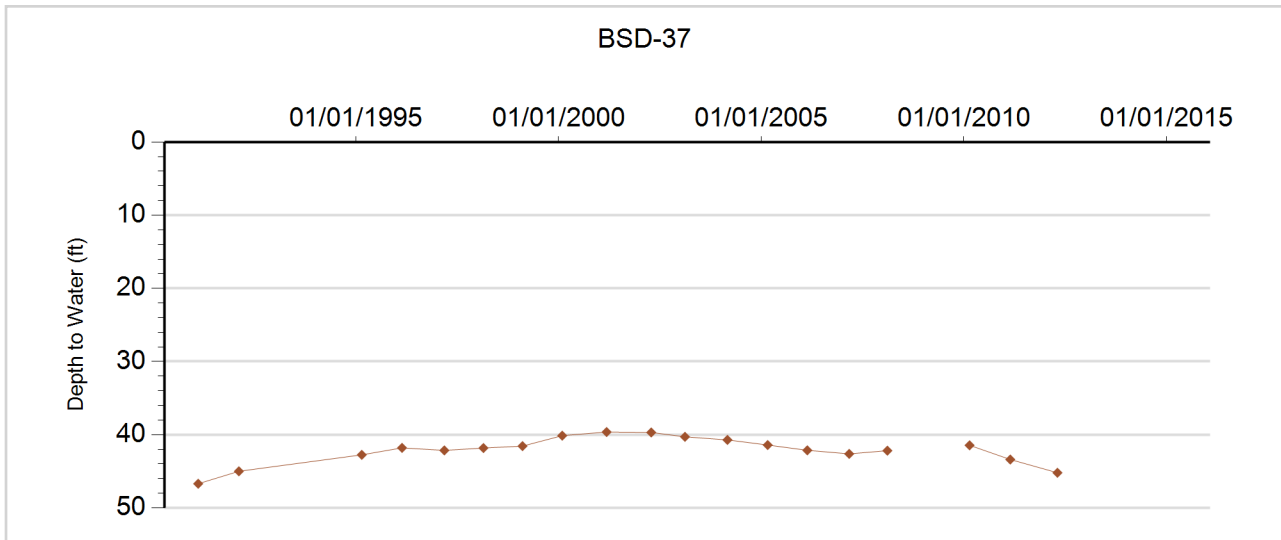
| Date | Depth to Water Feet Below Land Surface | Elevation of Water (ft) | Change From Previous Measure (ft) |
|------------|--|-------------------------|-----------------------------------|
| 03/31/2015 | | | |
| 05/20/2014 | | | |
| 04/03/2013 | | | |
| 04/24/2012 | 45.20 | 5694.80 | -1.81 |
| 02/24/2011 | 43.39 | 5696.61 | -1.94 |
| 02/22/2010 | 41.45 | 5698.55 | |
| 01/01/2009 | | | |
| 02/12/2008 | 42.18 | 5697.82 | 0.44 |
| 03/05/2007 | 42.62 | 5697.38 | -0.49 |
| 02/20/2006 | 42.13 | 5697.87 | -0.72 |

Construction Information

Surface Elevation (ft): 5740.00
 Well Depth (ft):
 Depth to Base of Grout (ft):
 Depth to Top of Perforated Casing (ft):
 Depth to Bottom of Perforated Casing (ft):
 Source Aquifer(s): QUATERNARY ALLUVIUM

Well Measurement Summary

Start Date: 02/08/1991 End Date: 03/31/2015
 Number of Measurements: 23





GROUNDWATER DETAILS

Well Name: BSD-38
Permit Number:
WDID:
Data Source: DWR

Location Number: SC01005809BC
USGS Site ID:
Applicant/Contact: LASATER RANCH

Physical Location

| Dist N/S | Dist E/W | Q10 | Q40 | Q160 | Sec | Township | Range | PM | UTMx | UTMy | Location Accuracy |
|----------|----------|-----|-----|------|-----|----------|--------|----|----------|-----------|-------------------|
| 3501 S | 20 W | | SW | NW | 9 | 10.0 S | 58.0 W | S | 594923.4 | 4339130.5 | GPS |

Division: 2 District: 67
 County: ELBERT
 Designated Basin: UPPER BIG SANDY
 Management District: UPPER BIG SANDY

Ten Most Recent Readings

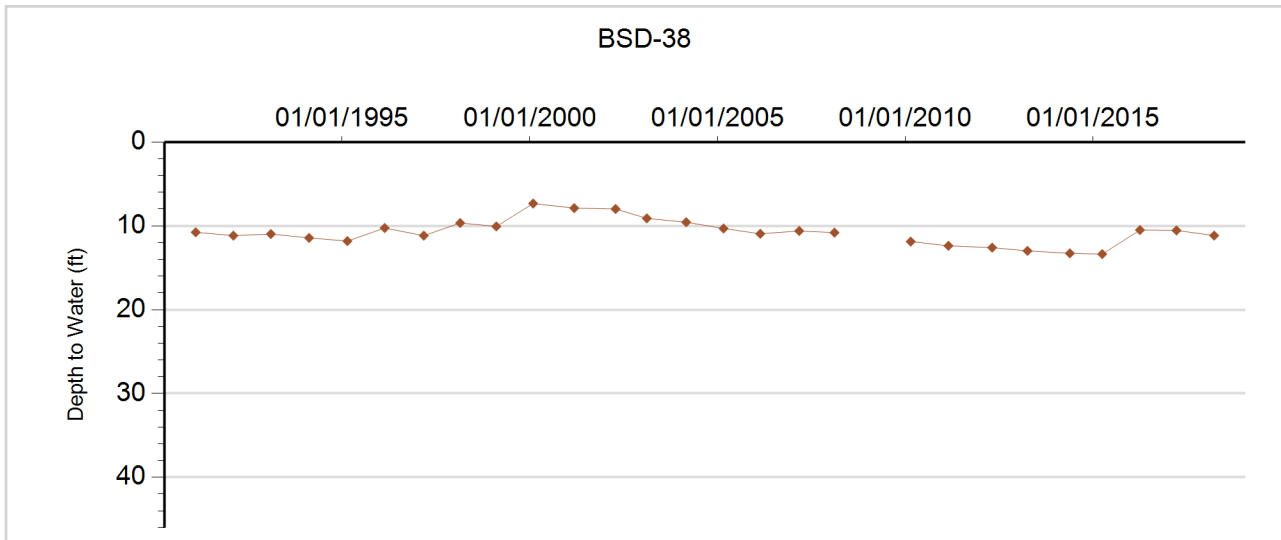
| Date | Depth to Water Feet Below Land Surface | Elevation of Water (ft) | Change From Previous Measure (ft) |
|------------|--|-------------------------|-----------------------------------|
| 03/23/2018 | 11.16 | 5671.84 | -0.61 |
| 03/22/2017 | 10.55 | 5672.45 | -0.05 |
| 04/01/2016 | 10.50 | 5672.50 | 2.87 |
| 03/31/2015 | 13.37 | 5669.63 | -0.09 |
| 05/20/2014 | 13.28 | 5669.72 | -0.29 |
| 04/03/2013 | 12.99 | 5670.01 | -0.39 |
| 04/24/2012 | 12.60 | 5670.40 | -0.22 |
| 02/24/2011 | 12.38 | 5670.62 | -0.50 |
| 02/22/2010 | 11.88 | 5671.12 | |
| 01/01/2009 | | | |

Construction Information

Surface Elevation (ft): 5683.00
 Well Depth (ft): 46.00
 Depth to Base of Grout (ft):
 Depth to Top of Perforated Casing (ft):
 Depth to Bottom of Perforated Casing (ft):
 Source Aquifer(s): QUATERNARY ALLUVIUM

Well Measurement Summary

Start Date: 02/08/1991 End Date: 03/23/2018
 Number of Measurements: 28





GROUNDWATER DETAILS

Well Name: BSD-39
Permit Number: 57234-
WDID:
Data Source: DWR

Location Number: SC01005803BC
USGS Site ID:
Applicant/Contact: LASATER RANCH

Physical Location

| Dist N/S | Dist E/W | Q10 | Q40 | Q160 | Sec | Township | Range | PM | UTMx | UTMy | Location Accuracy |
|----------|----------|-----|-----|------|-----|----------|--------|----|----------|-----------|-------------------|
| 1297 S | 1290 W | | SW | SW | 3 | 10.0 S | 58.0 W | S | 596902.4 | 4340079.5 | GPS |

Division: 2 District: 67
 County: ELBERT
 Designated Basin: UPPER BIG SANDY
 Management District: UPPER BIG SANDY

Ten Most Recent Readings

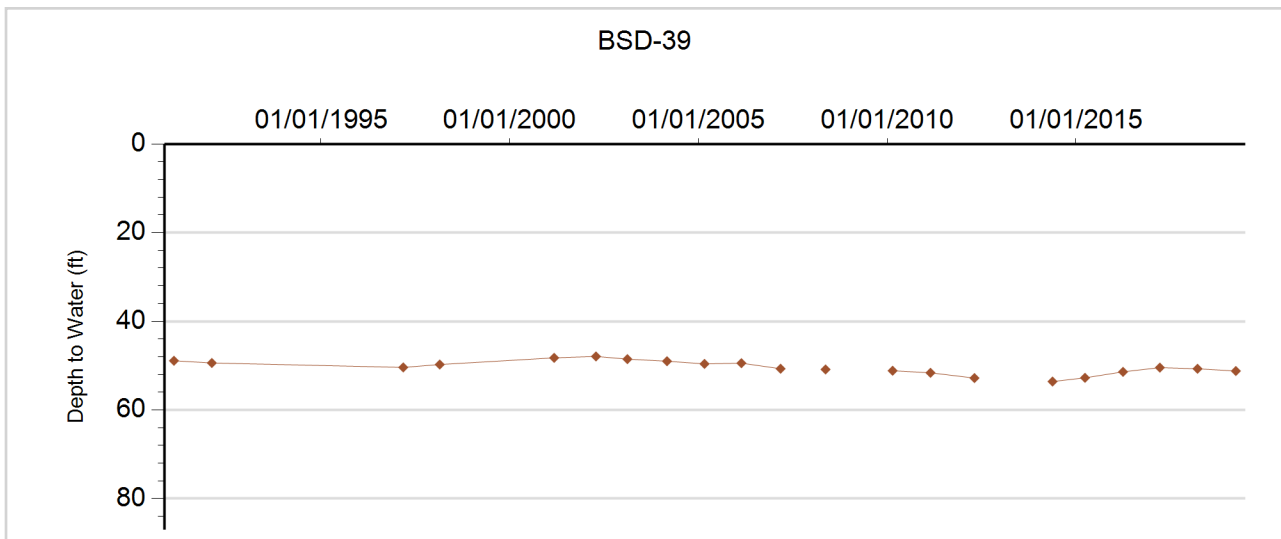
| Date | Depth to Water Feet Below Land Surface | Elevation of Water (ft) | Change From Previous Measure (ft) |
|------------|--|-------------------------|-----------------------------------|
| 03/29/2019 | 51.21 | 5636.79 | -0.50 |
| 03/23/2018 | 50.71 | 5637.29 | -0.26 |
| 03/23/2017 | 50.45 | 5637.55 | 0.95 |
| 04/01/2016 | 51.40 | 5636.60 | 1.35 |
| 03/30/2015 | 52.75 | 5635.25 | 0.84 |
| 05/20/2014 | 53.59 | 5634.41 | |
| 04/03/2013 | | | |
| 04/24/2012 | 52.80 | 5635.20 | -1.18 |
| 02/24/2011 | 51.62 | 5636.38 | -0.47 |
| 02/22/2010 | 51.15 | 5636.85 | |

Construction Information

Surface Elevation (ft): 5688.00
 Well Depth (ft): 87.00
 Depth to Base of Grout (ft):
 Depth to Top of Perforated Casing (ft): 67
 Depth to Bottom of Perforated Casing (ft): 87
 Source Aquifer(s): QUATERNARY ALLUVIUM

Well Measurement Summary

Start Date: 02/08/1991 End Date: 03/29/2019
 Number of Measurements: 24





GROUNDWATER DETAILS

Well Name: BSD-40
Permit Number: 239238-
WDID:
Data Source: DWR

Location Number: SC01006136DD
USGS Site ID:
Applicant/Contact: KENT GREENWOOD

Physical Location

| Dist N/S | Dist E/W | Q10 | Q40 | Q160 | Sec | Township | Range | PM | UTMx | UTMy | Location Accuracy |
|----------|----------|-----|-----|------|-----|----------|--------|----|----------|-----------|-------------------|
| 633 S | 7 E | | SE | SE | 36 | 10.0 S | 61.0 W | S | 572412.0 | 4331606.0 | GPS |

Division: 2 District: 67
 County: ELBERT
 Designated Basin: UPPER BIG SANDY
 Management District: UPPER BIG SANDY

Ten Most Recent Readings

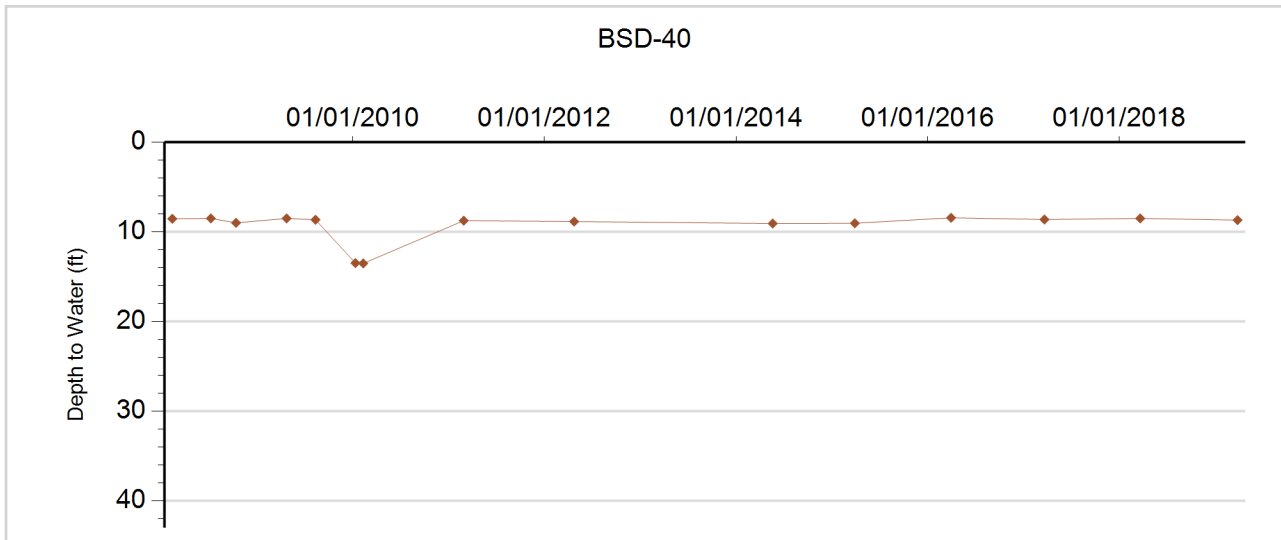
| Date | Depth to Water Feet Below Land Surface | Elevation of Water (ft) | Change From Previous Measure (ft) |
|------------|--|-------------------------|-----------------------------------|
| 03/28/2019 | 8.71 | 6053.29 | -0.19 |
| 03/22/2018 | 8.52 | 6053.48 | 0.12 |
| 03/22/2017 | 8.64 | 6053.36 | -0.19 |
| 03/31/2016 | 8.45 | 6053.55 | 0.61 |
| 03/30/2015 | 9.06 | 6052.94 | 0.03 |
| 05/21/2014 | 9.09 | 6052.91 | -0.22 |
| 04/24/2012 | 8.87 | 6053.13 | -0.10 |
| 02/28/2011 | 8.77 | 6053.23 | 4.77 |
| 02/10/2010 | 13.54 | 6048.46 | -0.04 |
| 01/11/2010 | 13.50 | 6048.50 | -4.83 |

Construction Information

Surface Elevation (ft): 6062.00
 Well Depth (ft): 43.00
 Depth to Base of Grout (ft):
 Depth to Top of Perforated Casing (ft): 18
 Depth to Bottom of Perforated Casing (ft): 38
 Source Aquifer(s): QUATERNARY ALLUVIUM

Well Measurement Summary

Start Date: 02/13/2008 End Date: 03/28/2019
 Number of Measurements: 15





GROUNDWATER DETAILS

Well Name: CHRISTOPHER #1
Permit Number:
WDID:
Data Source: DWR

Location Number: SC00905618CCD
USGS Site ID:
Applicant/Contact: TOWN OF LIMON

Physical Location

| Dist N/S | Dist E/W | Q10 | Q40 | Q160 | Sec | Township | Range | PM | UTMx | UTMy | Location Accuracy |
|----------|----------|-----|-----|------|-----|----------|--------|----|----------|-----------|-------------------|
| 34 S | 1165 W | SE | SW | SW | 18 | 9.0 S | 56.0 W | S | 611241.0 | 4346281.0 | GPS |

Division: 2 District: 67
 County: LINCOLN
 Designated Basin: UPPER BIG SANDY
 Management District: UPPER BIG SANDY

Ten Most Recent Readings

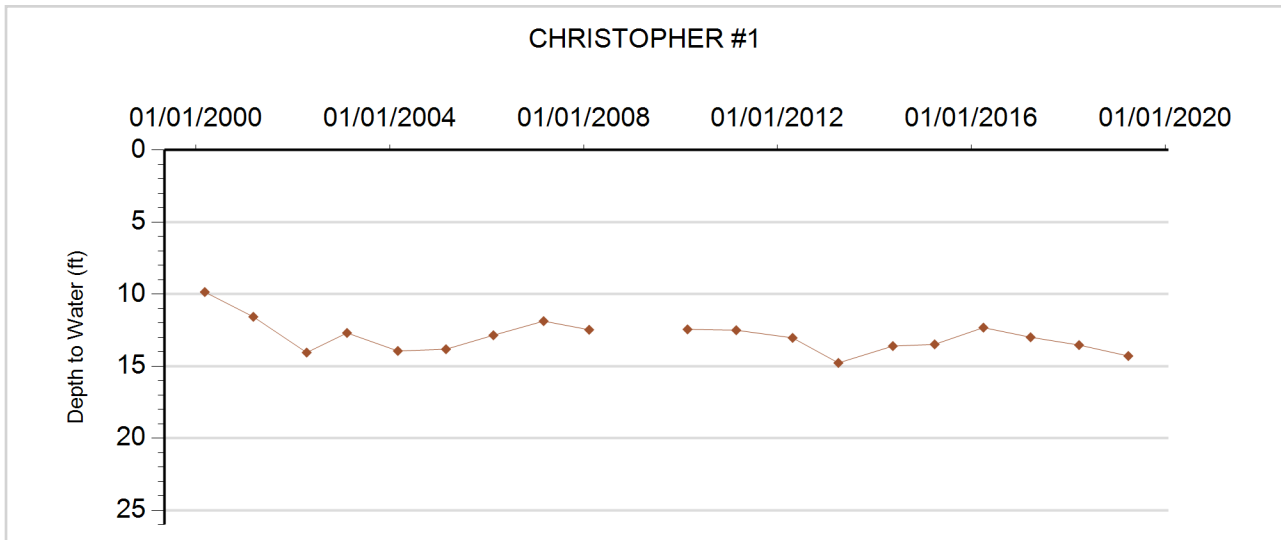
| Date | Depth to Water Feet Below Land Surface | Elevation of Water (ft) | Change From Previous Measure (ft) |
|------------|--|-------------------------|-----------------------------------|
| 03/29/2019 | 14.29 | 5357.71 | -0.76 |
| 03/23/2018 | 13.53 | 5358.47 | -0.54 |
| 03/23/2017 | 12.99 | 5359.01 | -0.67 |
| 04/01/2016 | 12.32 | 5359.68 | 1.16 |
| 03/31/2015 | 13.48 | 5358.52 | 0.12 |
| 05/20/2014 | 13.60 | 5358.40 | 1.17 |
| 04/04/2013 | 14.77 | 5357.23 | -1.74 |
| 04/24/2012 | 13.03 | 5358.97 | -0.53 |
| 02/24/2011 | 12.50 | 5359.50 | -0.06 |
| 02/22/2010 | 12.44 | 5359.56 | |

Construction Information

Surface Elevation (ft): 5372.00
 Well Depth (ft): 26.00
 Depth to Base of Grout (ft):
 Depth to Top of Perforated Casing (ft):
 Depth to Bottom of Perforated Casing (ft):
 Source Aquifer(s): QUATERNARY ALLUVIUM

Well Measurement Summary

Start Date: 03/08/2000 End Date: 03/29/2019
 Number of Measurements: 20





GROUNDWATER DETAILS

Well Name: CHRISTOPHER #2
Permit Number:
WDID:
Data Source: DWR

Location Number: SC00905618CCD
USGS Site ID:
Applicant/Contact: TOWN OF LIMON

Physical Location

| Dist N/S | Dist E/W | Q10 | Q40 | Q160 | Sec | Township | Range | PM | UTMx | UTMy | Location Accuracy |
|----------|----------|-----|-----|------|-----|----------|--------|----|----------|-----------|-------------------|
| 486 S | 1183 W | SE | SW | SW | 18 | 9.0 S | 56.0 W | S | 611243.0 | 4346419.0 | GPS |

Division: 2 District: 67
 County: LINCOLN
 Designated Basin: UPPER BIG SANDY
 Management District: UPPER BIG SANDY

Ten Most Recent Readings

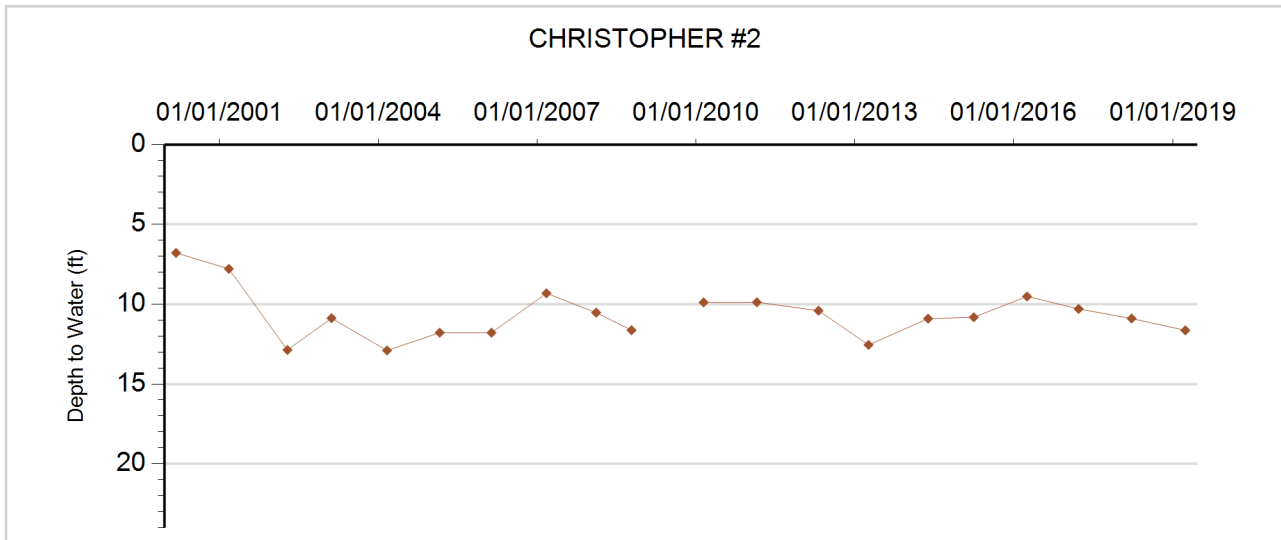
| Date | Depth to Water Feet Below Land Surface | Elevation of Water (ft) | Change From Previous Measure (ft) |
|------------|--|-------------------------|-----------------------------------|
| 03/29/2019 | 11.64 | 5358.36 | -0.74 |
| 03/23/2018 | 10.90 | 5359.10 | -0.60 |
| 03/23/2017 | 10.30 | 5359.70 | -0.78 |
| 04/01/2016 | 9.52 | 5360.48 | 1.30 |
| 03/31/2015 | 10.82 | 5359.18 | 0.09 |
| 05/20/2014 | 10.91 | 5359.09 | 1.64 |
| 04/04/2013 | 12.55 | 5357.45 | -2.14 |
| 04/24/2012 | 10.41 | 5359.59 | -0.53 |
| 02/24/2011 | 9.88 | 5360.12 | 0.01 |
| 02/22/2010 | 9.89 | 5360.11 | |

Construction Information

Surface Elevation (ft): 5370.00
 Well Depth (ft): 24.00
 Depth to Base of Grout (ft):
 Depth to Top of Perforated Casing (ft):
 Depth to Bottom of Perforated Casing (ft):
 Source Aquifer(s): QUATERNARY ALLUVIUM

Well Measurement Summary

Start Date: 03/08/2000 End Date: 03/29/2019
 Number of Measurements: 21





GROUNDWATER DETAILS

Well Name: CHRISTOPHER #3
Permit Number:
WDID:
Data Source: DWR

Location Number: SC00905618CCA
USGS Site ID:
Applicant/Contact: TOWN OF LIMON

Physical Location

| Dist N/S | Dist E/W | Q10 | Q40 | Q160 | Sec | Township | Range | PM | UTMx | UTMy | Location Accuracy |
|----------|----------|-----|-----|------|-----|----------|--------|----|----------|-----------|-------------------|
| 922 S | 1255 W | NE | SW | SW | 18 | 9.0 S | 56.0 W | S | 611262.4 | 4346552.5 | GPS |

Division: 2 District: 67
 County: LINCOLN
 Designated Basin: UPPER BIG SANDY
 Management District: UPPER BIG SANDY

Ten Most Recent Readings

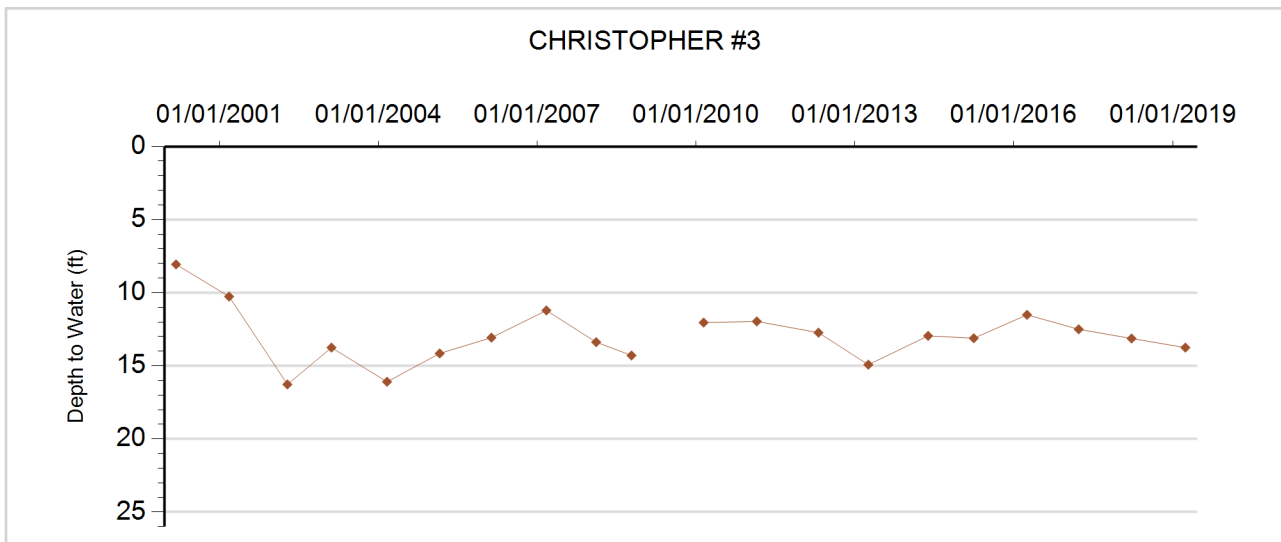
| Date | Depth to Water Feet Below Land Surface | Elevation of Water (ft) | Change From Previous Measure (ft) |
|------------|--|-------------------------|-----------------------------------|
| 03/29/2019 | 13.75 | 5358.25 | -0.62 |
| 03/23/2018 | 13.13 | 5358.87 | -0.63 |
| 03/23/2017 | 12.50 | 5359.50 | -0.99 |
| 04/01/2016 | 11.51 | 5360.49 | 1.60 |
| 03/31/2015 | 13.11 | 5358.89 | -0.16 |
| 05/20/2014 | 12.95 | 5359.05 | 1.97 |
| 04/03/2013 | 14.92 | 5357.08 | -2.19 |
| 04/24/2012 | 12.73 | 5359.27 | -0.77 |
| 02/24/2011 | 11.96 | 5360.04 | 0.08 |
| 02/22/2010 | 12.04 | 5359.96 | |

Construction Information

Surface Elevation (ft): 5372.00
 Well Depth (ft): 26.00
 Depth to Base of Grout (ft):
 Depth to Top of Perforated Casing (ft):
 Depth to Bottom of Perforated Casing (ft):
 Source Aquifer(s): QUATERNARY ALLUVIUM

Well Measurement Summary

Start Date: 03/08/2000 End Date: 03/29/2019
 Number of Measurements: 21





GROUNDWATER DETAILS

Well Name: CHRISTOPHER #4
Permit Number:
WDID:
Data Source: DWR

Location Number: SC00905618CCB
USGS Site ID:
Applicant/Contact: TOWN OF LIMON

Physical Location

| Dist N/S | Dist E/W | Q10 | Q40 | Q160 | Sec | Township | Range | PM | UTMx | UTMy | Location Accuracy |
|----------|----------|-----|-----|------|-----|----------|--------|----|----------|-----------|-------------------|
| 3870 N | 305 W | NW | NW | SW | 18 | 9.0 S | 56.0 W | S | 610969.0 | 4346690.0 | GPS |

Division: 2 District: 67
 County: LINCOLN
 Designated Basin: UPPER BIG SANDY
 Management District: UPPER BIG SANDY

Ten Most Recent Readings

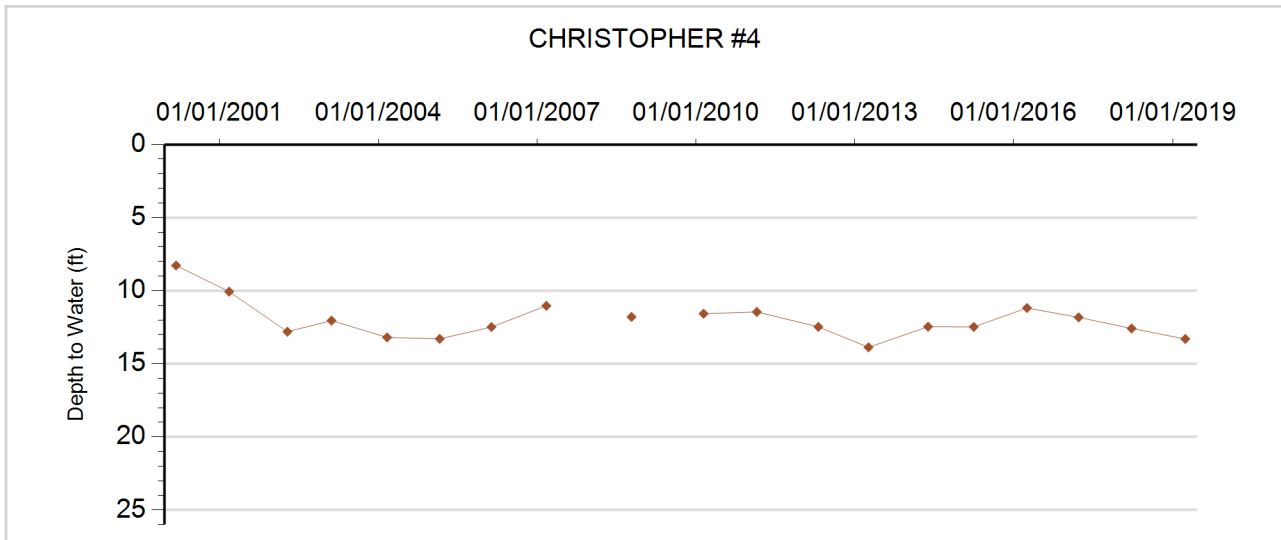
| Date | Depth to Water Feet Below Land Surface | Elevation of Water (ft) | Change From Previous Measure (ft) |
|------------|--|-------------------------|-----------------------------------|
| 03/29/2019 | 13.30 | 5356.70 | -0.72 |
| 03/23/2018 | 12.58 | 5357.42 | -0.76 |
| 03/23/2017 | 11.82 | 5358.18 | -0.64 |
| 04/01/2016 | 11.18 | 5358.82 | 1.29 |
| 03/31/2015 | 12.47 | 5357.53 | -0.01 |
| 05/20/2014 | 12.46 | 5357.54 | 1.41 |
| 04/04/2013 | 13.87 | 5356.13 | -1.40 |
| 04/23/2012 | 12.47 | 5357.53 | -1.02 |
| 02/24/2011 | 11.45 | 5358.55 | 0.12 |
| 02/22/2010 | 11.57 | 5358.43 | |

Construction Information

Surface Elevation (ft): 5370.00
 Well Depth (ft): 26.00
 Depth to Base of Grout (ft):
 Depth to Top of Perforated Casing (ft):
 Depth to Bottom of Perforated Casing (ft):
 Source Aquifer(s): QUATERNARY ALLUVIUM

Well Measurement Summary

Start Date: 03/08/2000 End Date: 03/29/2019
 Number of Measurements: 21





GROUNDWATER DETAILS

Well Name: FRASIER FARMS
Permit Number: 21896-FP
WDID:
Data Source: DWR

Location Number: SC00905706DA
USGS Site ID:
Applicant/Contact: TOWN OF LIMON

Physical Location

| Dist N/S | Dist E/W | Q10 | Q40 | Q160 | Sec | Township | Range | PM | UTMx | UTMy | Location Accuracy |
|----------|----------|-----|-----|------|-----|----------|--------|----|----------|-----------|-------------------|
| 3102 N | 80 E | | NE | SE | 6 | 9.0 S | 57.0 W | S | 602758.4 | 4350014.5 | GPS |

Division: 2 District: 67
 County: ELBERT
 Designated Basin: UPPER BIG SANDY
 Management District: UPPER BIG SANDY

Ten Most Recent Readings

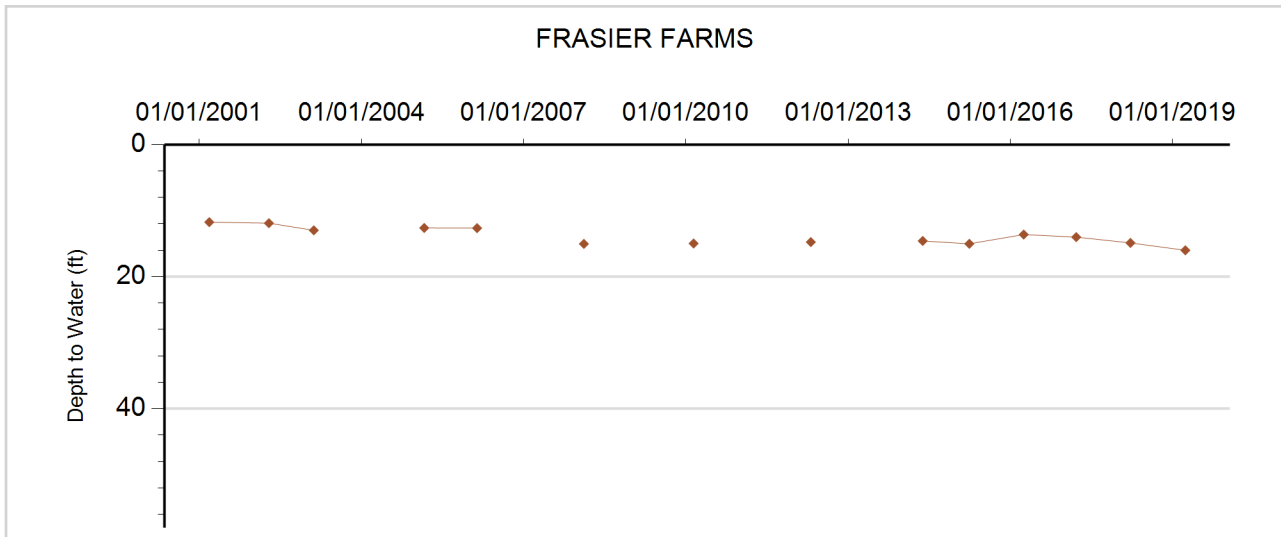
| Date | Depth to Water Feet Below Land Surface | Elevation of Water (ft) | Change From Previous Measure (ft) |
|------------|--|-------------------------|-----------------------------------|
| 03/29/2019 | 16.01 | 5473.99 | -1.11 |
| 03/23/2018 | 14.90 | 5475.10 | -0.88 |
| 03/22/2017 | 14.02 | 5475.98 | -0.39 |
| 04/01/2016 | 13.63 | 5476.37 | 1.40 |
| 03/31/2015 | 15.03 | 5474.97 | -0.43 |
| 05/20/2014 | 14.60 | 5475.40 | |
| 04/04/2013 | | | |
| 04/24/2012 | 14.77 | 5475.23 | |
| 02/24/2011 | | | |
| 02/22/2010 | 14.98 | 5475.02 | |

Construction Information

Surface Elevation (ft): 5490.00
 Well Depth (ft): 58.00
 Depth to Base of Grout (ft): 10
 Depth to Top of Perforated Casing (ft): 38
 Depth to Bottom of Perforated Casing (ft): 58
 Source Aquifer(s): QUATERNARY ALLUVIUM

Well Measurement Summary

Start Date: 03/09/2001 End Date: 03/29/2019
 Number of Measurements: 19





GROUNDWATER DETAILS

Well Name: JOHN CRAIG
Permit Number: 35186-MH
WDID:
Data Source: DWR

Location Number: SC00905626DCC
USGS Site ID:
Applicant/Contact: UPPER BIG SANDY GWMD

Physical Location

| Dist N/S | Dist E/W | Q10 | Q40 | Q160 | Sec | Township | Range | PM | UTMx | UTMy | Location Accuracy |
|----------|----------|-----|-----|------|-----|----------|--------|----|----------|-----------|-------------------|
| 174 S | 2693 W | SW | SW | SE | 26 | 9.0 S | 56.0 W | S | 618194.4 | 4343186.4 | GPS |

Division: 2 District: 67
 County: LINCOLN
 Designated Basin: UPPER BIG SANDY
 Management District: UPPER BIG SANDY

Ten Most Recent Readings

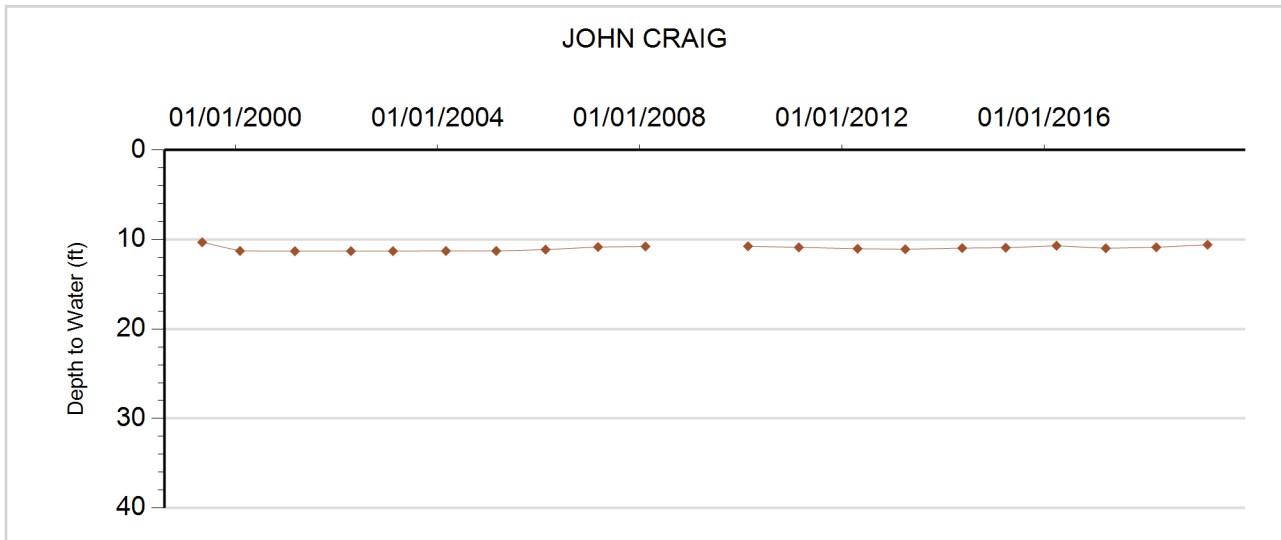
| Date | Depth to Water Feet Below Land Surface | Elevation of Water (ft) | Change From Previous Measure (ft) |
|------------|--|-------------------------|-----------------------------------|
| 03/29/2019 | 10.58 | 5269.42 | 0.28 |
| 03/23/2018 | 10.86 | 5269.14 | 0.11 |
| 03/23/2017 | 10.97 | 5269.03 | -0.28 |
| 04/01/2016 | 10.69 | 5269.31 | 0.22 |
| 03/31/2015 | 10.91 | 5269.09 | 0.04 |
| 05/20/2014 | 10.95 | 5269.05 | 0.13 |
| 04/04/2013 | 11.08 | 5268.92 | -0.06 |
| 04/24/2012 | 11.02 | 5268.98 | -0.15 |
| 02/24/2011 | 10.87 | 5269.13 | -0.12 |
| 02/22/2010 | 10.75 | 5269.25 | |

Construction Information

Surface Elevation (ft): 5280.00
 Well Depth (ft): 40.00
 Depth to Base of Grout (ft):
 Depth to Top of Perforated Casing (ft): 20
 Depth to Bottom of Perforated Casing (ft): 30
 Source Aquifer(s): QUATERNARY ALLUVIUM

Well Measurement Summary

Start Date: 05/06/1999 End Date: 03/29/2019
 Number of Measurements: 21





GROUNDWATER DETAILS

Well Name: WESTFALL MH
Permit Number: 159373-
WDID:
Data Source: DWR

Location Number: SC00905713DAD
USGS Site ID:
Applicant/Contact: UPPER BIG SANDY GWMD

Physical Location

| Dist N/S | Dist E/W | Q10 | Q40 | Q160 | Sec | Township | Range | PM | UTMx | UTMy | Location Accuracy |
|----------|----------|-----|-----|------|-----|----------|--------|----|----------|-----------|-------------------|
| 3810 N | 18 E | SE | NE | SE | 13 | 9.0 S | 57.0 W | S | 610870.0 | 4346710.0 | GPS |

Division: 2 District: 67
 County: ELBERT
 Designated Basin: UPPER BIG SANDY
 Management District: UPPER BIG SANDY

Ten Most Recent Readings

| Date | Depth to Water Feet Below Land Surface | Elevation of Water (ft) | Change From Previous Measure (ft) |
|------------|--|-------------------------|-----------------------------------|
| 03/29/2019 | 13.79 | 5357.21 | -0.78 |
| 03/23/2018 | 13.01 | 5357.99 | -0.72 |
| 03/23/2017 | 12.29 | 5358.71 | -0.55 |
| 04/01/2016 | 11.74 | 5359.26 | 1.22 |
| 03/31/2015 | 12.96 | 5358.04 | -0.24 |
| 05/20/2014 | 12.72 | 5358.28 | 1.26 |
| 04/04/2013 | 13.98 | 5357.02 | -1.38 |
| 04/24/2012 | 12.60 | 5358.40 | -0.77 |
| 02/24/2011 | 11.83 | 5359.17 | 0.23 |
| 02/22/2010 | 12.06 | 5358.94 | |

Construction Information

Surface Elevation (ft): 5371.00
 Well Depth (ft): 38.00
 Depth to Base of Grout (ft):
 Depth to Top of Perforated Casing (ft): 18
 Depth to Bottom of Perforated Casing (ft): 38
 Source Aquifer(s): QUATERNARY ALLUVIUM

Well Measurement Summary

Start Date: 03/08/2000 End Date: 03/29/2019
 Number of Measurements: 20

