



Water-Data Report 2008

314836106180301 Local number JL-49-14-521

Rio Grande aquifer system
 Hueco Bolson Deposits
 El Paso County, TX

LOCATION.--Lat 31°48'38", long 106°18'01" referenced to North American Datum of 1927, El Paso County, TX, Hydrologic Unit 13040100.

WATER-QUALITY RECORDS

WELL CHARACTERISTICS.--Depth 480 ft. Upper casing diameter 10 in; top of first opening 390 ft, bottom of last opening 470 ft.

DATUM.--Land-surface datum is 4000 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of plate on 11-in casing, 2.10 ft above land-surface datum, Dec. 20, 1989, to present; MP 2 has been shortened by 0.5 ft, top of 1-in pipe, 2.60 ft above land-surface datum, Jan. 10, 2002, to present.

PERIOD OF RECORD.--Dec. 1989 to current year.

**WATER-QUALITY DATA
 WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Part 1 of 5

[QC, quality control sample. Remark codes: <, less than; E, estimated; M, presence verified but not quantified.]

Date	Time	Sample medium and type	Dis- solved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif- ic conduc- tance, wat unf μS/cm 25 degC (00095)	Temper- ature, air, deg C (00020)	Temper- ature, water, deg C (00010)	Hard- ness, water, mg/L as CaCO3 (00900)	Noncarb hard- ness, wat flt field, mg/L as CaCO3 (00904)
Sep									
11...	1305	QC - Artificial, blank	--	--	--	--	--	--	--
11...	1305	Ground water, regular	1.9	8.2	1,350	25.0	25.7	170	77

**WATER-QUALITY DATA
 WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Part 2 of 5

[QC, quality control sample. Remark codes: <, less than; E, estimated; M, presence verified but not quantified.]

Date	Calcium water, fltrd, mg/L (00915)	Magnes- ium, water, fltrd, mg/L (00925)	Potas- sium, water, fltrd, mg/L (00935)	Sodium adsorp- tion ratio (00931)	Sodium frac- tion of cations percent (00932)	Sodium, water, fltrd, mg/L (00930)	Alka- linity, wat flt inf tit field, mg/L as CaCO3 (39086)	Chlor- ide, water, fltrd, mg/L (00940)	Fluor- ide, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L as SiO2 (00955)	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of consti- tuents mg/L (70301)	Ammonia + org-N, water, fltrd, mg/L as N (00623)
Sep													
11...	.06	<.020	.03	--	--	1.20	--	.73	<.12	.09	.53	--	<.14
11...	45.7	13.5	9.35	6.3	69	190	95	282	.53	27.5	123	754	<.14

314836106180301 Local number JL-49-14-521—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 3 of 5

[QC, quality control sample. Remark codes: <, less than; E, estimated; M, presence verified but not quantified.]

Date	Ammonia	Nitrate +	Nitrate	Nitrite	Ortho-phosphate	Ortho-phosphate	Phosphorus	Arsenic	Barium	Beryllium			
	water, fltrd, mg/L (71846)	water, fltrd, mg/L as N (00608)	water, fltrd, mg/L as N (00631)	water, fltrd, mg/L as N (71851)	water, fltrd, mg/L as N (00618)	water, fltrd, mg/L as N (71856)	water, fltrd, mg/L as N (00613)	water, fltrd, mg/L as P (00660)	water, fltrd, mg/L as P (00671)	water, fltrd, mg/L as P (00666)	water, fltrd, μg/L (01000)	water, fltrd, μg/L (01005)	water, fltrd, μg/L (01010)
Sep 11...	E.02	E.015	E.008	E.030	E.01	E.004	E.001	--	<.006	<.04	<.06	<.4	<.2
11...	--	<.020	.832	3.66	.83	.015	.004	.029	.009	<.04	6.4	50	<.2

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 4 of 5

[QC, quality control sample. Remark codes: <, less than; E, estimated; M, presence verified but not quantified.]

Date	Boron	Cadmium	Chromium	Cobalt	Copper	Iron	Lead	Lithium	Manganese	Molybdenum	Nickel	Selenium	Silver
	water, fltrd, μg/L (01020)	water, fltrd, μg/L (01025)	water, fltrd, μg/L (01030)	water, fltrd, μg/L (01035)	water, fltrd, μg/L (01040)	water, fltrd, μg/L (01046)	water, fltrd, μg/L (01049)	water, fltrd, μg/L (01130)	water, fltrd, μg/L (01056)	water, fltrd, μg/L (01060)	water, fltrd, μg/L (01065)	water, fltrd, μg/L (01145)	water, fltrd, μg/L (01075)
Sep 11...	<1.2	<.04	<.12	<.02	<1.0	26	<.08	M	<.2	<.2	<.20	<.04	<.1
11...	115	<.04	2.1	.02	<1.0	17	<.08	147	4.5	7.6	.45	5.6	<.1

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 5 of 5

[QC, quality control sample. Remark codes: <, less than; E, estimated; M, presence verified but not quantified.]

Date	Strontium	Vanadium	Zinc	Data base number	Medium code
	water, fltrd, μg/L (01080)	water, fltrd, μg/L (01085)	water, fltrd, μg/L (01090)		
Sep 11...	E.49	<.04	<1.8	02	OAQ
11...	1,180	8.3	2.7	01	WG