

Water-Data Report 2007

08374200 Rio Grande below Rio Conchos near Presidio, TX

 Rio Grande-Amistad Basin
 Black Hills-Fresno Subbasin

LOCATION.--Lat 29°31'10", long 104°17'10" referenced to North American Datum of 1927, Presidio County, TX, Hydrologic Unit 13040203, at gaging station 0.4 miles downstream from Alamito Creek and 8.9 river miles downstream from the International Highway bridge between Presidio, Texas and Ojinaga, Chihuahua.

DRAINAGE AREA.--66,203 mi², United States and Mexico.

WATER-QUALITY RECORDS
PERIOD OF RECORD--

CHEMICAL DATA: Apr. 1999 to Aug. 16, 2007 (discontinued).

BIOCHEMICAL DATA: Apr. 1999 to Aug. 16, 2007 (discontinued).

PESTICIDE DATA: Aug. 1999 to Aug. 16, 2007 (discontinued).

SEDIMENT DATA: Apr. 1999 to Aug. 16, 2007 (discontinued).

REMARKS.--Instantaneous discharges published in the table were provided directly by International Boundary and Water Commission. Records of daily mean discharge for water year 2007 are published in International Boundary and Water Commission Water Bulletins Nos. 76 and 77. Since 1999, quality assurance data for this station may be obtained from the U.S. Geological Survey Texas Water Science Center upon request.

**WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007**

Part 1 of 10

[Remark codes: <, less than; E, estimated. Value qualifier codes: c, see laboratory comment; d, diluted sample: method hi range exceeded; m, value is highly variable by this method; n, below the LRL and above the LT-MDL; o, result determined by alternate method; r, value verified by rerun, same method; t, below the long-term MDL. Null value qualifier codes: e, required equipment not functional/avail.]

Date	Time	Turbidity				Disolved oxygen, percent of saturation	pH, water, unfltrd field, std units	pH, water, unfltrd lab, std units	Specif. conductance, wat unf 25 degC	Specif. conductance, wat unf 25 degC	Temperature, water, deg C	Hardness, water, mg/L as CaCO ₃
		Gage height, feet	Instantaneous discharge, cfs	light, 90+/-30 det ang	Barometric pressure, mm Hg							
Feb 15...	1300	4.05	357	48	698	--e	--	--e	8.5	3,390	3,220	13.9
Mar 15...	1100	5.74	1,420	--	729	11.9	128	8.1	7.9	1,340	1,340	16.5
Apr 26...	1030	5.58	1,270	68	692	10.9	142	7.9	7.9	3,990	3,960	22.9
May 24...	1230	4.35	478	510d	694	6.5	95	7.8	7.9	1,880	1,860	29.8
Jun 21...	1030	5.03	853	830d	696	5.6	77	7.3	7.9	2,190	2,220	26.7
Jul 19...	1110	4.82	611	440d	695	6.9	94	8.0	8.1	1,430	1,440	26.1
Aug 16...	1430	5.35	1,080	220	696	6.8	96	8.2	8.2	1,610	1,600	380

08374200 Rio Grande below Rio Conchos near Presidio, TX—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Part 2 of 10

[Remark codes: <, less than; E, estimated. Value qualifier codes: c, see laboratory comment; d, diluted sample: method hi range exceeded; m, value is highly variable by this method; n, below the LRL and above the LT-MDL; o, result determined by alternate method; r, value verified by rerun, same method; t, below the long-term MDL. Null value qualifier codes: e, required equipment not functional/avail.]

Date	Noncarb hard- ness, wat flt mg/L as CaCO ₃ (00904)			Magnes- ium, water, fltrd, mg/L (00915)			Potas- sium, water, fltrd, mg/L (00925)			Sodium adsorp- tion ratio (00935)			Sodium frac- tion of cations (00931)			Alka- linity, wat flt inc tit mg/L as CaCO ₃ (39086)			Bicar- bonate, wat flt incr. titr., field, mg/L (00453)			Carbon- ate, wat flt incr. titr., field, mg/L (00452)			Chlor- ide, water, fltrd, mg/L (00940)			Fluor- ide, water, fltrd, mg/L (00950)			Silica, water, fltrd, mg/L (00955)		
	wat flt	Calcium	ium,	water,	fltrd,	mg/L	water,	fltrd,	mg/L	water,	fltrd,	mg/L	Sodium	water,	fltrd,	mg/L	water,	fltrd,	mg/L	water,	fltrd,	mg/L	water,	fltrd,	mg/L	water,	fltrd,	mg/L					
Feb																																	
15...	360	186d	41.4d	13.0d	8.3	62	478d	274	313	10	583d	1.12	10.0d																				
Mar																																	
15...	140	106	16.5	7.25	3.5	49	148	192	232	<1	99.8	1.52	20.5																				
Apr																																	
26...	590	236d	51.8d	12.0d	8.2	59	534d	222	270	<1	588d	1.33	15.3d																				
May																																	
24...	410	186	19.9	8.37	3.6	43	194	141	171	<1	176d	.77	14.4																				
Jun																																	
21...	370	176d	24.2d	8.98d	5.3	53	283d	175	211	1	220d	1.38	24.8d																				
Jul																																	
19...	220	125	16.2	7.57	3.7	48	167	162	196	<1	92.9	1.54	22.2																				
Aug																																	
16...	180	109	17.0	8.38	4.6	55	195	161	193	1	142d	1.45	18.1																				

08374200 Rio Grande below Rio Conchos near Presidio, TX—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Part 3 of 10

[Remark codes: <, less than; E, estimated. Value qualifier codes: c, see laboratory comment; d, diluted sample: method hi range exceeded; m, value is highly variable by this method; n, below the LRL and above the LT-MDL; o, result determined by alternate method; r, value verified by rerun, same method; t, below the long-term MDL. Null value qualifier codes: e, required equipment not functional/avail.]

Date	Sulfate water, fltrd, mg/L (00945)	Residue water, sum of constituents, mg/L (70301)	Residue on 180degC wat flt, mg/L (70300)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia + org-N, water, unfltrd, mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (71846)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite + nitrate water, fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Organic nitro- gen, water, fltrd, mg/L (00607)	Organic nitro- gen, water, unfltrd mg/L (00605)	Partic- ulate nitro- gen, water, mg/L (49570)
Feb													
15...	688d		2,280	.86	2.4	.18	.141	2.07	2.26	.185d	.72	2.3	1.10
Mar													
15...	365d	884	919	.40	1.4r	--	<.020	.49	.50	.003	--	--	1.00
Apr													
26...	1,030d	2,610	2,850	.31	.87	--	<.020	--	<.06	<.002	--	--	.79
May													
24...	569d	1,260	1,330	.56	1.2	.11	.088	.57	.59d	.026	.47	1.1	1.12
Jun													
21...	630d	1,480	1,530	.33	2.1	--	<.020	.21	.22	.007	--	--	2.53
Jul													
19...	412d	945	999	.33	.95	.04	.028	.36	.36	.007	.30	.93	.70
Aug													
16...	418d	1,010	1,090	.35	.73	--	<.020	.16	.17	.004	--	--	1.45

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08374200 Rio Grande below Rio Conchos near Presidio, TX—Continued
**WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007**

Part 4 of 10

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Date	Total nitro- gen, water, fltrd, mg/L (00602)	Total nitro- gen, water, unfltrd mg/L (00600)	Ortho- phos- phate, water, fltrd, mg/L (00660)	Ortho- phos- phate, water, as P (00671)	Phos- phorus, water, fltrd, mg/L (00666)	Phos- phorus, water, unfltrd mg/L (00665)	Total carbon, suspnd sedimnt total, mg/L (00694)	Inor- ganic carbon, suspnd sedimnt total, mg/L (00688)	Organic carbon, suspnd sedimnt total, mg/L (00689)	Organic carbon, water, fltrd, mg/L (00681)	Alum- inum, water, fltrd, µg/L (01106)	Anti- mony, water, fltrd, µg/L (01095)	Arsenic water, fltrd, µg/L (01000)
	Feb 15...	3.1	4.7	1.25	.407d	.47	.77	7.4	.2	7.2	6.1	<3.2d	E.30nd
Mar 15...	.90	1.9	.026	.008	<.04	.57	32.0	19.0	13.1	4.3	E1.3n	.64	12.0
Apr 26...	--	--	--	E.006n	<.04	.12	11.5	<.1	11.5	4.6	--	.36d	3.6d
May 24...	1.1	1.8	.081	.026	E.03n	.32	13.6	15.1	<.1	6.1	2.9	.36	3.6
Jun 21...	.54	2.3	.025	.008	E.02n	.85d	45.6	15.8	29.8	3.9	<4.8d	.38	3.4
Jul 19...	.69	1.3	.043	.014	E.02n	.37	17.6	4.5	13.0	4.4	E1.4n	.45	11.8
Aug 16...	.52	.90	.043	.014	<.04	.23	13.0	.2	12.8	4.1	2.3	.52	11.3

**WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007**

Part 5 of 10

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Date	Barium, water, fltrd, µg/L (01005)	Beryll- ium, water, fltrd, µg/L (01010)	Boron, water, fltrd, µg/L (01020)	Cadmium water, fltrd, µg/L (01025)	Chrom- ium, water, fltrd, µg/L (01030)	Cobalt water, fltrd, µg/L (01035)	Copper, water, fltrd, µg/L (01040)	Iron, water, fltrd, µg/L (01046)	Lead, water, fltrd, µg/L (01049)	Lithium water, fltrd, µg/L (01130)	Mangan- ese, water, fltrd, µg/L (01056)	Molyb- denum, water, fltrd, µg/L (01060)	Nickel, water, fltrd, µg/L (01065)
	Feb 15...	110d	<.12d	439d	<.24d	<.24d	1.1d	--	<30d	E.17nd	197d	190d	10.8d
Mar 15...	71	<.06	328d	<.04	<.12	.18	.86	<6	<.12	86.5	2.7	7.0	1.4
Apr 26...	100d	<.12d	655d	<.08d	<.24d	.46d	E.62nd	<18d	<.24d	236d	42.0d	11.6d	2.4d
May 24...	136	<.06	201d	E.03n	E.08n	.29	2.3	E4n	E.08n	77.9	10.3	6.6	1.8
Jun 21...	135	<.06	282	E.02n	<.12	.19	.61	<18d	<.12	87.8	1.9	7.4	1.6
Jul 19...	110	<.06	319d	<.04	<.12	.14	.91	<6	<.12	61.2	3.5	6.3	1.2
Aug 16...	120	<.06	315oc	<.04	E.06n	.21	.92	<6	<.12	77.5	1.8	8.2	1.7

08374200 Rio Grande below Rio Conchos near Presidio, TX—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Part 6 of 10

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Date	Selen- ium, water, fltrd, µg/L (01145)	Silver, water, fltrd, µg/L (01075)	Stront- ium, water, fltrd, µg/L (01080)	Vanad- ium, water, fltrd, µg/L (01085)	Zinc, water, fltrd, µg/L (01090)	2,6-Di- ethyl- aniline water, fltrd, 0.7u GF µg/L (82660)	CIAT, water, fltrd, µg/L (04040)	Aceto- chlor, water, fltrd, µg/L (49260)	Ala- chlor, water, fltrd, µg/L (46342)	alpha- HCH, water, fltrd, µg/L (34253)	Atra- zine, water, fltrd, µg/L (39632)	Azin- phos- methyl, water, fltrd, 0.7u GF µg/L (82686)	Ben- flur- alin, water, fltrd, 0.7u GF µg/L (82673)
Feb													
15...	.68d	<.2d	3,110d	5.4d	1.8d	<.002	<.014mc	<.006	<.005	<.002	<.007	<.080mc	<.006
Mar													
15...	.82	<.1	1,630	7.5	E.43n	<.002	<.014mc	<.006	<.005	<.002	<.007	<.080mc	<.006
Apr													
26...	1.1d	<.2d	4,240d	2.4d	E1.0nd	<.002	<.014mc	<.006	<.005	<.002	<.007	<.080mc	<.006
May													
24...	1.1	<.1	2,250	4.5	2.0	<.002	<.014mc	<.006	<.005	<.002	.013	<.080mc	<.006
Jun													
21...	.97	<.1	2,470	4.9	E.48n	<.002	<.014mc	<.006	<.005	<.002	<.007	<.080mc	<.006
Jul													
19...	.83	<.1	1,700d	5.4	.77	<.002	<.014mc	<.006	<.005	<.002	<.007	<.080mc	<.006
Aug													
16...	.72	<.1	1,980	6.2	E.56n	<.002	<.014mc	<.006	<.005	<.002	<.007	<.080mc	<.006

08374200 Rio Grande below Rio Conchos near Presidio, TX—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Part 7 of 10

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Date	Butyl-ate, water, fltrd, 0.7u GF μg/L (04028)	Car-baryl, water, fltrd 0.7u GF μg/L (82680)	Carbo-furan, water, fltrd 0.7u GF μg/L (82674)	Chlor-pyrifos, water, fltrd, 0.7u GF μg/L (38933)	cis-Per-methrin, water, fltrd 0.7u GF μg/L (82687)	Cyana-zine, water, fltrd 0.7u GF μg/L (04041)	DCPA, water, fltrd 0.7u GF μg/L (82682)	Desulf-inyl-fipro-nil, water, fltrd, 0.7u GF μg/L (62170)	Diazi-non, water, fltrd, 0.7u GF μg/L (39572)	Diel-drin, water, fltrd, 0.7u GF μg/L (39381)	Disul-foton, water, fltrd 0.7u GF μg/L (82677)	EPTC, water, fltrd 0.7u GF μg/L (82668)	Ethal-flur-alin, water, fltrd 0.7u GF μg/L (82663)
Feb													
15...	<.002	<.060mc	<.020mc	<.005	<.010	<.018	<.003	E.001t	E.034c	<.009	<.02mc	<.002	<.009
Mar													
15...	<.002	<.060mc	<.020mc	<.005	<.010	<.018	<.003	<.012	<.005	<.009	<.02mc	<.002	<.009
Apr													
26...	<.002	<.060mc	<.020mc	<.005	<.010	<.018	<.003	<.012	<.005	<.009	<.02mc	<.004	<.009
May													
24...	<.002	<.060mc	<.020mc	<.005	<.010	<.018	<.003	<.012	<.005	<.009	<.02mc	<.002	<.009
Jun													
21...	<.002	<.060mc	<.020mc	<.005	<.010	<.018	<.003	<.012	<.005	<.009	<.02mc	<.002	<.009
Jul													
19...	<.002	<.060mc	<.020mc	<.005	<.010	<.018	<.003	<.012	<.005	<.009	<.02mc	<.002	<.009
Aug													
16...	<.002	<.060mc	<.020mc	.009	<.010	<.018	<.003	<.012	<.005	<.009	<.02mc	<.003	<.009

08374200 Rio Grande below Rio Conchos near Presidio, TX—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Part 8 of 10

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Date	Etho-prop, water, fltrd 0.7u GF µg/L (82672)	Desulf-inyl-fipro-nil nil sulfide water, water, wat flt fltrd, fltrd, µg/L (62169) (62167)	Fipro-nil nil sulfone water, water, fltrd, fltrd, µg/L (62168) (62166)	Fipro-nil nil water, water, fltrd, fltrd, µg/L (04095) (39341)	Fonofos water, water, fltrd, fltrd, µg/L (82666)	Lindane water, water, fltrd, fltrd, µg/L (39532)	Linuron water, water, fltrd, fltrd, µg/L (82667)	Mala-thion, water, water, fltrd, fltrd, µg/L (39415)	Methyl para-thion, water, water, fltrd, fltrd, µg/L (82630) (82671)	Metola-chlor, water, water, fltrd, fltrd, µg/L (82630) (82671)	Metri-buzin, water, water, fltrd, fltrd, µg/L (82630) (82671)	
Feb												
15...	<.012	<.029mc <.013	<.024	<.016mc <.006	<.004	<.060	<.016	<.008	<.010	<.012	<.002	
Mar												
15...	<.012	<.029mc <.013	<.024	<.016mc <.006	<.004	<.060	<.016	<.008	<.010	<.012	<.002	
Apr												
26...	<.012	<.029mc <.013	<.024	<.016mc <.006	<.004	<.060	<.016	<.008	<.010	<.012	<.002	
May												
24...	<.012	<.029mc <.013	<.024	<.016mc <.006	<.004	<.060	<.016	<.008	<.010	<.012	<.002	
Jun												
21...	<.012	<.029mc <.013	<.024	<.016mc <.006	<.004	<.060	<.016	<.008	<.010	<.012	<.002	
Jul												
19...	<.012	<.029mc <.013	<.024	<.016mc <.006	<.004	<.060	<.016	<.008	<.010	<.012	<.002	
Aug												
16...	<.012	<.029mc <.013	<.024	<.016mc <.006	<.004	<.060	<.016	<.008	<.010	<.012	<.002	

08374200 Rio Grande below Rio Conchos near Presidio, TX—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Part 9 of 10

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	Naprop-amide, water, 0.7u GF μg/L (82684)	p,p'-DDE, water, fltrd, μg/L (34653)	Para-thion, water, fltrd, μg/L (39542)	Peb-ulate, water, 0.7u GF μg/L (82669)	Pend-methalin, water, 0.7u GF μg/L (82683)	Phorate, water, 0.7u GF μg/L (82664)	Prome-ton, water, 0.7u GF μg/L (04037)	Propy-zamide, water, 0.7u GF μg/L (82676)	Propy-chlor, water, 0.7u GF μg/L (04024)	Propanil, water, 0.7u GF μg/L (82679)	Propara-gite, water, 0.7u GF μg/L (82685)	Sima-zine, water, fltrd, μg/L (04035)	Tebu-thiuron, water, 0.7u GF μg/L (82670)
Date													
Feb													
15...	<.018	<.003	<.010	<.004	<.020	<.020	<.01	<.004	<.010	<.011	<.02	<.006	<.02
Mar													
15...	<.018	<.003	<.010	<.004	<.020	<.020	<.01	<.004	<.010	<.011	<.02	<.006	<.02
Apr													
26...	<.018	<.003	<.010	<.004	<.020	<.020	<.01	<.004	<.010	<.011	<.02	<.006	<.02
May													
24...	<.018	<.003	<.010	<.004	<.020	<.020	<.01	<.004	<.010	<.011	<.02	<.006	<.02
Jun													
21...	<.018	<.004	<.010	<.004	<.020	<.020	<.01	<.004	<.010	<.011	<.02	<.006	<.02
Jul													
19...	<.018	<.003	<.010	<.004	<.020	<.020	<.01	<.004	<.010	<.011	<.02	<.006	<.02
Aug													
16...	<.018	<.003	<.010	<.004	<.020	<.020	<.01	<.004	<.010	<.011	<.02	<.006	<.02

08374200 Rio Grande below Rio Conchos near Presidio, TX—Continued

WATER-QUALITY DATA
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Null value qualifier codes: e, required equipment not functional/avail.]

Date	Terba-cil, water, 0.7u GF (82665)	Terbu-fos, water, fltrd 0.7u GF (82675)	Thio-bencarb water, fltrd 0.7u GF (82681)	Tri-allate, water, fltrd 0.7u GF (82678)	flur-alin, water, fltrd 0.7u GF (82661)	Uranium natural water, filtrd, 0.7u GF (22703)	Suspnd. sediment, <.063mm (70331)	Sus-pended sieve percent (80154)	Sus-pended sediment concentra-tion mg/L (80155)
Feb									
15...	<.040mc	<.01	<.010	<.006	<.006	5.35d	91	79	76
Mar									
15...	<.040mc	<.01	<.010	<.006	<.006	7.91	93	887	3,400
Apr									
26...	<.040mc	<.01	<.010	<.006	<.006	9.30d	99	95	326
May									
24...	<.040mc	<.01	<.010	<.006	<.006	4.32	98	85	110
Jun									
21...	<.040mc	<.01	<.010	<.006	<.006	5.88	98	1,580	3,650
Jul									
19...	<.040mc	<.01	<.010	<.006	<.006	6.58	96	722	1,190
Aug									
16...	<.040mc	<.01	<.010	<.006	<.006	6.78	97	277	808