



Water-Data Report 2007

08330000 RIO GRANDE AT ALBUQUERQUE, NM

Rio Grande-Elephant Butte Basin
Rio Grande-Albuquerque Subbasin

LOCATION.--Lat 35°05'21", long 106°40'50.5" referenced to North American Datum of 1983, Bernalillo County, NM, Hydrologic Unit 13020203, in Atrisco Grant, on downstream side of Central Avenue Bridge in Albuquerque, and at mi 1,540.0.

DRAINAGE AREA.-- 17,440 mi², approximately, including 2,940 mi² in closed basin in San Luis Valley, Colorado.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1941 to current year. Monthly discharge only for some periods, published in WSP 1312.

REVISED RECORDS.--WSP 1312: 1946(M).

GAGE.--Water-stage recorder with satellite telemetry. Datum of gage is 4,946.16 ft above NGVD of 1929. Prior to Sept. 18, 1947, at various sites at datum about 2.00 ft higher; Sept. 15, 1982, to Sept. 20, 1983, at site 1.0 mi upstream at different datum.

COOPERATION.--Records for Albuquerque Riverside drain and Arenal, Armijo, and Atrisco canals provided by Middle Rio Grande Conservancy District. Data were not provided by time of printing.

Water Quality Cooperation: Bureau of Reclamation funds the Total Load and Turbidity samples. The Army Corps of Engineers funds the Daily suspended sediment concentration samples.

REMARKS.--Water-discharge records good, except for those estimated, which are fair. Flow regulated since Nov. 1973 by Cochiti Dam (station 08317300), 50 mi upstream. Some regulation by operation of reservoirs on Rio Chama and by flood- and silt-detention reservoirs on Galisteo Creek and Jemez River (stations 08285000, 08286900, 08317900, 08328500). Since May 1971, flow affected by release of transmountain water from Heron Reservoir (station 08284510). Diversions upstream from station for irrigation of about 718,000 acres, several hundred of which are downstream from station.

08330000 RIO GRANDE AT ALBUQUERQUE, NM—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
DAILY MEAN VALUES
[*e*, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	434	985	949	770	628	697	1,820	941	2,130	644	764	418
2	419	911	869	744	721	722	1,800	1,220	1,850	633	466	557
3	369	873	823	760	740	764	1,660	1,740	1,810	597	444	444
4	326	967	807	688	745	774	1,580	2,050	1,780	580	447	397
5	321	1,280	797	679	750	766	1,410	2,430	2,480	683	550	396
6	327	1,380	767	780	693	706	1,410	2,480	2,240	568	508	374
7	337	1,720	703	781	656	660	1,580	2,500	1,950	525	493	351
8	367	1,830	697	704	703	655	1,650	2,530	1,580	580	502	324
9	657	1,650	765	628	793	660	1,750	2,580	1,490	496	504	308
10	1,850	1,420	793	609	826	704	1,660	2,560	1,310	484	451	335
11	1,030	1,260	797	615	827	742	1,580	2,510	1,070	473	427	342
12	1,180	1,170	897	645	767	723	1,440	2,490	1,020	448	427	343
13	1,180	1,220	940	676	671	787	1,880	2,470	986	505	477	336
14	1,060	1,230	956	674	713	897	1,560	2,460	995	537	449	320
15	1,030	1,190	964	647	707	1,070	1,400	2,480	977	546	439	340
16	836	1,180	957	637	795	1,170	1,370	2,580	1,050	535	469	372
17	785	1,000	936	601	856	1,440	1,200	2,630	1,080	492	507	366
18	793	1,010	935	587	857	1,520	1,150	2,650	1,080	475	502	394
19	783	1,160	920	588	834	1,750	1,100	3,480	1,050	437	493	396
20	862	1,170	910	606	e840	2,070	1,200	3,680	962	454	483	453
21	1,170	1,090	890	613	e824	2,040	1,170	3,700	760	460	476	657
22	736	1,080	871	618	e815	2,060	1,120	3,640	706	480	459	432
23	529	1,070	793	685	782	2,150	1,060	3,380	682	458	482	409
24	496	1,050	772	725	761	2,410	975	3,000	663	467	647	394
25	490	1,070	771	720	753	2,270	939	3,070	674	548	485	362
26	507	1,070	774	725	748	2,190	919	3,080	644	434	452	280
27	791	1,070	660	761	744	2,130	902	3,020	621	435	472	251
28	930	1,030	588	789	725	2,110	897	3,010	617	517	450	243
29	898	1,030	602	737	---	2,130	900	2,950	815	592	408	294
30	898	969	763	577	---	1,890	903	2,720	667	577	428	314
31	910	---	776	558	---	1,840	---	2,370	---	571	440	---
Total	23,301	35,135	25,442	20,927	21,274	42,497	39,985	82,401	35,739	16,231	15,001	11,202
Mean	752	1,171	821	675	760	1,371	1,333	2,658	1,191	524	484	373
Max	1,850	1,830	964	789	857	2,410	1,880	3,700	2,480	683	764	657
Min	321	873	588	558	628	655	897	941	617	434	408	243
Ac-ft	46,220	69,690	50,460	41,510	42,200	84,290	79,310	163,400	70,890	32,190	29,750	22,220

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1974 - 2007, BY WATER YEAR (WY)

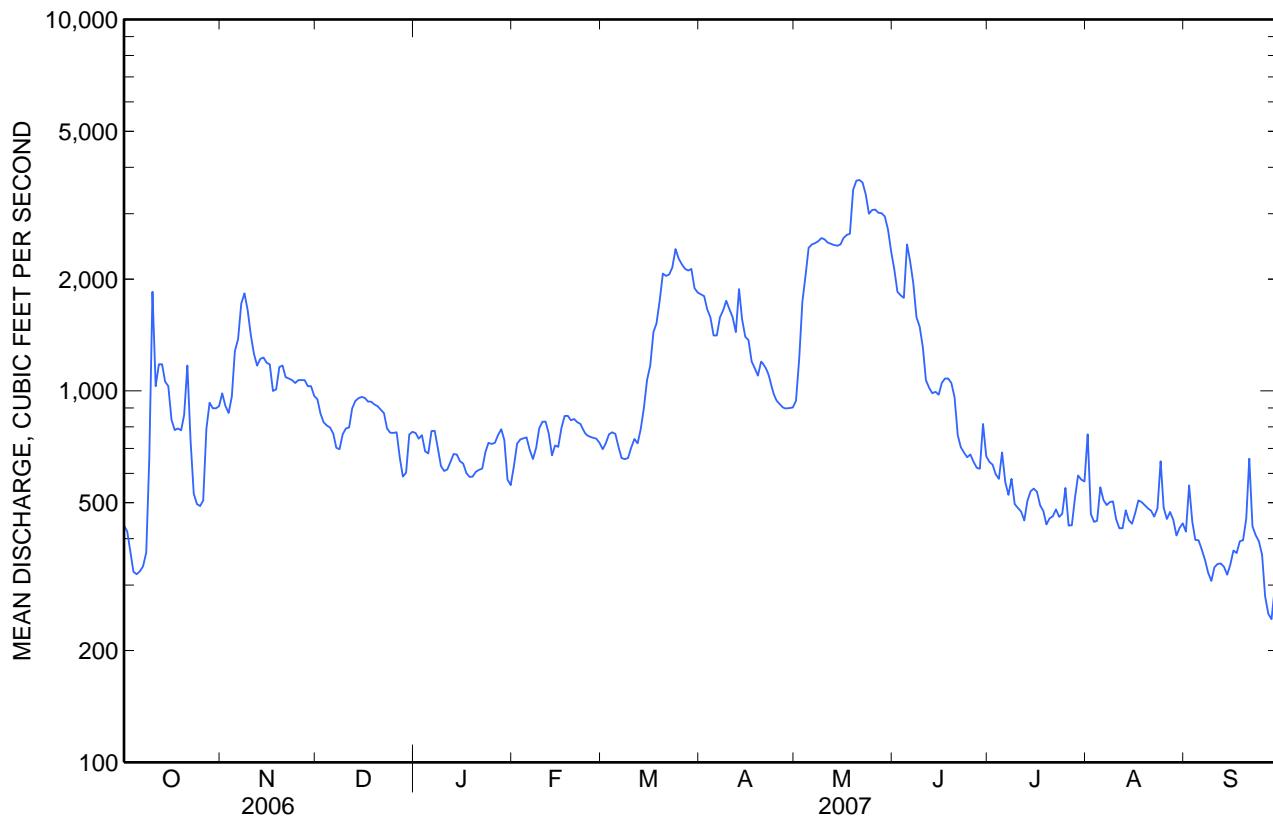
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	473	898	954	885	985	1,187	1,885	2,990	2,634	1,347	771	568
Max	1,802	2,302	2,276	2,159	3,562	2,790	6,343	6,203	6,113	5,439	3,452	1,554
(WY)	(1998)	(1987)	(1987)	(1986)	(1986)	(1986)	(1985)	(1980)	(1983)	(1979)	(1986)	(1986)
Min	38.4	145	441	443	480	424	137	148	336	287	242	51.4
(WY)	(1978)	(1990)	(2003)	(2003)	(2003)	(2003)	(1977)	(1977)	(1989)	(1974)	(2004)	(1974)

08330000 RIO GRANDE AT ALBUQUERQUE, NM—Continued**SUMMARY STATISTICS**

	Calendar Year 2006	Water Year 2007			Water Years 1974 - 2007	
Annual total	258,286		369,135			
Annual mean	708		1,011		^a 1,298	
Highest annual mean					2,486	1987
Lowest annual mean					356	1977
Highest daily mean	2,300	Aug 6	3,700	May 21	8,650	Apr 24, 1985
Lowest daily mean	321	Mar 27	243	Sep 28	0.00	May 30, 1977
Annual seven-day minimum	350	Mar 24	305	Sep 24	0.00	May 30, 1977
Maximum peak flow			3,810	May 21	^b 25,000	Apr 24, 1942
Maximum peak stage			5.32	May 21	7.82	Aug 10, 1967
Instantaneous low flow			235	Sep 27	0.00	May 30, 1977
Annual runoff (ac-ft)	512,300		732,200		940,600	
10 percent exceeds	1,080		2,120		3,340	
50 percent exceeds	608		774		788	
90 percent exceeds	419		430		315	

^a Average discharge for 33 years (water years 1942-74), 1,440 ft³/s, 1,043,000 acre-ft, prior to closure of Cochiti Dam.

^b From rating curve extended above 13,900 ft³/s.



08330000 RIO GRANDE AT ALBUQUERQUE, NM—Continued**WATER-QUALITY RECORDS**

PERIOD OF RECORD.--Water years 1969 to current year.

PERIOD OF DAILY RECORD.--

SUSPENDED-SEDIMENT DISCHARGE: May 1969 to September 1969 (partial-record station), October 1969 to current year.

INSTRUMENTATION.--Automatic pumping sediment sampler

EXTREMES FOR PERIOD OF DAILY RECORD.--

SEDIMENT CONCENTRATION: Maximum daily mean, 45,500 mg/L, July 21, 1971; minimum daily mean, no flow on many days.

SEDIMENT LOAD: Maximum daily, 275,000 tons, July 27, 1971; minimum daily, 0 tons on many days.

EXTREMES FOR WATER YEAR 2006.-- SEDIMENT CONCENTRATION: Maximum daily mean, 41,800 mg/L, Aug. 7; minimum daily mean, 67 mg/L, May 9.

SEDIMENT LOAD: Maximum daily 163,000 tons, Aug. 7; minimum daily, 94 tons, March 27.

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

Part 1 of 11

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

Date	Time	Instantaneous discharge, cfs (00061)	Turbidity, white light, deg ang (00061)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Disolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unf 25 degC (00095) $\mu\text{S}/\text{cm}$	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO ₃ (00900)	Bromide, water, unfltrd mg/L (63689)	Calcium water, fltrd mg/L (00915)
May														
08...	1110	2,560	140	643	7.8	92	8.2	309	18.0	15.0	92	<.200	28.9	
Jun														
25...	1015	666	27	644	7.2	96	8.3	356	26.5	21.0	83	--	26.0	
25...	1015	--	--	--	--	--	--	--	--	--	--	--	--	
Jul														
23...	1210	453	620	645	7.1	101	8.1	411	29.5	24.5	140	<.200	43.2	
23...	1210	--	--	--	--	--	--	--	--	--	--	--	--	
Sep														
21...	0800	--	--	--	--	--	--	--	--	--	--	--	--	

08330000 RIO GRANDE AT ALBUQUERQUE, NM—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Part 2 of 11

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

Date	Magnes- ium, water, fltrd, mg/L (00925)	Potas- sium, water, fltrd, mg/L (00935)	Sodium adsorp- tion (00931)	Sodium, water, fltrd, mg/L (00930)	Alka- linity, wat flt fxd end	Alka- linity, wat flt inc tit	Bicar- bonate, wat flt	Chlor- ide, incr., titr., field, mg/L (00453)	Fluor- ide, water, fltrd, mg/L (00940)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue water, sum of consti- tuents mg/L (70301)	Ammonia + org-N, water, fltrd, mg/L as N (00623)
May													
08...	4.83	2.59	.8	18.1	96	101	E121	8.18	.34	15.6	44.4	184	.36
Jun													
25...	4.45	2.02	.7	14.9	112	120	143	6.82	.37	10.6	57.3	193	.45
25...	--	--	--	--	--	--	--	--	--	--	--	--	--
Jul													
23...	7.50	3.52	1.0	26.9	116	115	E137	9.62	.36	17.2	64.2	242	.28
23...	--	--	--	--	--	--	--	--	--	--	--	--	--
Sep													
21...	--	--	--	--	--	--	--	--	--	--	--	--	--

WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Part 3 of 11

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

Date	Ammonia + org-N, water, unfltrd, mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Ammonia water, unfltrd, mg/L as N (00610)	Nitrate + nitrite water, fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Nitrite water, fltrd, mg/L as P (00671)	Ortho- phosphate, water, fltrd, mg/L as P (00671)	Phos- phorus, water, fltrd, mg/L (00666)	Phos- phorus, water, unfltrd, mg/L (00665)	E coli, m-TEC MF, water, col/ 100 mL (31633)	Alum- inum, water, fltrd, µg/L (01106)	Anti- mony, water, fltrd, µg/L (01095)	Arsenic water, fltrd, µg/L (01000)	Barium, water, fltrd, µg/L (01005)
May														
08...	.66	<.020	E.040	.08	E.002	.023	.028	.54	120	5.8	.10	2.7	59	
Jun														
25...	.38	<.020	<.100	.10	<.002	.030	.044	.109	730	5.2	.07	1.4	47	
25...	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Jul														
23...	1.3	<.020	E.047	.13	<.002	.036	.050	.53	1,100	5.8	.12	3.0	79	
23...	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sep														
21...	--	--	--	--	--	--	--	--	--	--	--	--	--	--

08330000 RIO GRANDE AT ALBUQUERQUE, NM—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Part 4 of 11

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

Date	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)	Mangan- ese, water, fltrd, µg/L (01056)	water, unfltrd recover- able, µg/L (71900)	Mercury	Molyb- denum, water, fltrd, µg/L (01060)	Nickel, water, fltrd, µg/L (01065)	Selen- ium, water, fltrd, µg/L (01145)
	Mercury													
May 08...	<.06	41	E.03	E.11	.07	2.7	13	.29	2.0	E.009	2.7	.78	.21	
Jun 25...	<.06	27	.21	E.08	.05	2.8	6	.35	2.5	.012	1.9	.92	.12	
25...	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Jul 23...	<.06	55	E.03	E.09	.09	1.1	E3	<.12	.4	.016	4.1	.65	.21	
23...	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sep 21...	--	--	--	--	--	--	--	--	--	--	--	--	--	--

WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Part 5 of 11

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

Date	Selen- ium, water, unfltrd µg/L (01147)	Silver, water, fltrd, µg/L (01075)	Zinc, water, fltrd, µg/L (01090)	bed sed <62.5um wet svd fld,tot ug/g (34950)	2,6-Di- ethyl- aniline water, fltrd 0.7u GF (82660)	CIAT, water, fltrd 0.7u GF (04040)	Aceto- chlor, water, fltrd, µg/L (49260)	Ala- chlor, water, fltrd, µg/L (46342)	alpha- HCH, water, fltrd 0.7u GF (34253)	Atra- zine, water, fltrd 0.7u GF (39632)	Azin- phos- methyl, water, fltrd 0.7u GF (82686)	Ben- flur- alin, water, fltrd 0.7u GF (82673)	Butyl- ate, water, fltrd, µg/L (04028)	
	Azin- phos- methyl, ben- flur- alin, butyl- ate, water, fltrd, µg/L (04028)													
May 08...	.36	<.1	8.9	--	<.002	<.014	<.006	<.005	<.002	<.007	<.080	<.006	<.002	
Jun 25...	.21	<.1	14.4	--	--	--	--	--	--	--	--	--	--	--
25...	--	--	--	<.1	--	--	--	--	--	--	--	--	--	--
Jul 23...	.44	<.1	<.60	--	<.002	<.014	<.006	<.005	<.002	<.007	<.080	<.006	<.002	
23...	--	--	--	.2	--	--	--	--	--	--	--	--	--	--
Sep 21...	--	--	--	--	--	--	--	--	--	--	--	--	--	--

08330000 RIO GRANDE AT ALBUQUERQUE, NM—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Part 6 of 11

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

Date	Car-	Carbo-	cis-		Desulf-				Disul-		EPTC,	Ethal-	Etho-
	baryl, water, fltrd 0.7u GF	furan, water, fltrd 0.7u GF	Chlor- pyrifos water, fltrd 0.7u GF	Per- methrin water 0.7u GF	Cyana- zine, water, fltrd 0.7u GF	DCPA, water, fltrd 0.7u GF	fipro- nil, water, fltrd 0.7u GF	Diazi- non, water, fltrd 0.7u GF	Diel- drin, water, fltrd 0.7u GF	foton, water, fltrd 0.7u GF	water, fltrd 0.7u GF	fltrd 0.7u GF	fltrd 0.7u GF
	µg/L (82680)	µg/L (82674)	µg/L (38933)	µg/L (82687)	µg/L (04041)	µg/L (82682)	µg/L (62170)	µg/L (39572)	µg/L (39381)	µg/L (82677)	µg/L (82668)	µg/L (82663)	µg/L (82672)
May													
08...	<.060	<.020	<.005	<.010	<.018	<.003	<.012	<.005	<.009	<.02	<.002	<.009	<.012
Jun													
25...	--	--	--	--	--	--	--	--	--	--	--	--	--
25...	--	--	--	--	--	--	--	--	--	--	--	--	--
Jul													
23...	<.060	<.020	<.005	<.010	<.018	<.003	<.012	<.005	<.009	<.02	<.002	<.009	<.012
23...	--	--	--	--	--	--	--	--	--	--	--	--	--
Sep													
21...	--	--	--	--	--	--	--	--	--	--	--	--	--

WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Part 7 of 11

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

Date	Desulf-	Fipro-	Fipro-	Fipro-	Fonofos	Lindane	Linuron	Mala-	Methyl	Methola-	Metri-	Moli-	Naprop-
	inyl- fipro- nil amide, wat flt	fipro- nil sulfide water, fltrd, 0.7u GF	fipro- nil sulfone water, fltrd, 0.7u GF	fipro- nil, water, fltrd, 0.7u GF	water, fltrd, 0.7u GF	water, fltrd, 0.7u GF	water, fltrd 0.7u GF	thion, water, fltrd 0.7u GF	para- thion, water, fltrd 0.7u GF	chlor, water, fltrd 0.7u GF	buzin, water, fltrd 0.7u GF	nate, water, fltrd 0.7u GF	amide, water, fltrd 0.7u GF
	µg/L (62169)	µg/L (62167)	µg/L (62168)	µg/L (62166)	µg/L (04095)	µg/L (39341)	µg/L (82666)	µg/L (39532)	µg/L (82667)	µg/L (39415)	µg/L (82630)	µg/L (82671)	µg/L (82684)
May													
08...	<.029	<.013	<.024	<.016	<.006	<.004	<.060	<.016	<.008	<.010	<.012	<.002	<.018
Jun													
25...	--	--	--	--	--	--	--	--	--	--	--	--	--
25...	--	--	--	--	--	--	--	--	--	--	--	--	--
Jul													
23...	<.029	<.013	<.024	<.016	<.006	<.004	<.060	<.016	<.008	<.010	<.012	<.002	<.018
23...	--	--	--	--	--	--	--	--	--	--	--	--	--
Sep													
21...	--	--	--	--	--	--	--	--	--	--	--	--	--

08330000 RIO GRANDE AT ALBUQUERQUE, NM—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Part 8 of 11

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

Date	p,p'-DDE, water, fltrd	Para-thion, water, fltrd	Peb-ulate, water, fltrd	meth-alin, water, fltrd	Phorate, water, fltrd	Prome-ton, water, fltrd	Propy-zamide, water, fltrd	Propa-chlor, water, fltrd	Pro-palin, water, fltrd	Propar-gite, water, fltrd	Sima-zine, water, fltrd	Tebu-thiuron, water, fltrd	Terba-cil, water, fltrd
	µg/L (34653)	µg/L (39542)	µg/L (82669)	µg/L (82683)	µg/L (82664)	µg/L (04037)	µg/L (82676)	µg/L (04024)	µg/L (82679)	µg/L (82685)	µg/L (04035)	µg/L (82670)	µg/L (82665)
May													
08...	<.003	<.010	<.004	<.020	<.020	<.01	<.004	<.010	<.011	<.02	<.006	<.02	<.040
Jun													
25...	--	--	--	--	--	--	--	--	--	--	--	--	--
25...	--	--	--	--	--	--	--	--	--	--	--	--	--
Jul													
23...	<.003	<.010	<.004	<.020	<.020	M	<.004	<.010	<.011	<.02	<.006	<.02	<.040
23...	--	--	--	--	--	--	--	--	--	--	--	--	--
Sep													
21...	--	--	--	--	--	--	--	--	--	--	--	--	--

WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Part 9 of 11

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

Date	Terbu-fos, water, fltrd	Thio-bencarb, water, fltrd	Tri-allate, water, fltrd	Tri-flur-alin, water, fltrd	1,2-Di-methyl-naphtha-lene, bed	1,6-Di-methyl-naphtha-lene, bed	1Methyl-9H-fluor-naphtha-ene, bed	1-Methyl-phenan-threne, bed	1-Methyl-pyrene, bed	2,3,6-Tri-methyl-naphtha-lene, bed	2,6-Di-methyl-naphtha-lene, bed	2-Ethyl-naphtha-lene, bed	2-Methyl-anthra-cene, bed
	µg/L (82675)	µg/L (82681)	µg/L (82678)	µg/L (82661)	ug/kg (62538)	ug/kg (62539)	ug/kg (62540)	ug/kg (62541)	ug/kg (62542)	ug/kg (62543)	ug/kg (62544)	ug/kg (62545)	ug/kg (62546)
May													
08...	<.01	<.010	<.006	<.006	--	--	--	--	--	--	--	--	--
Jun													
25...	--	--	--	--	--	--	--	--	--	--	--	--	--
25...	--	--	--	--	<10	30	<10	<10	<10	<10	20	<10	<10
Jul													
23...	<.01	<.010	<.006	<.006	--	--	--	--	--	--	--	--	--
23...	--	--	--	--	<10	<10	<10	<10	<10	<10	10	<10	<10
Sep													
21...	--	--	--	--	<20	<20	<20	<20	<20	<20	<20	<20	<20

08330000 RIO GRANDE AT ALBUQUERQUE, NM—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Part 10 of 11

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

Date	4H-Cyclo-penta-[def]-phenanthrene, bed sed	9H-Fluo-rene, bed sedimnt	Ace-naph-thene, bed sedimnt	Ace-naph-thylene, bed sedimnt	Anthra-cene, bed sedimnt	Benzo-[a]-anthra-cene, bed sedimnt	Benzo-[a]-pyrene, bed sedimnt	Benzo-[b]-fluor-anthene, bed sedimnt	Benzo-[e]-pyrene, bed sedimnt	Benzo-[ghi]-perylene, bed sedimnt	Benzo-[k]-fluoran-thene, bed sedimnt	Chry-sene, bed sedimnt	Dibenzo [a,h]-anthra-cene, bed sedimnt
	ug/kg (62547)	ug/kg (62548)	ug/kg (62549)	ug/kg (62550)	ug/kg (62551)	ug/kg (62552)	ug/kg (62553)	ug/kg (62554)	ug/kg (62555)	ug/kg (62556)	ug/kg (62557)	ug/kg (62558)	ug/kg (62560)
May													
08...	--	--	--	--	--	--	--	--	--	--	--	--	--
Jun													
25...	--	--	--	--	--	--	--	--	--	--	--	--	--
25...	<10	<10	<10	<10	<10	<10	20	20	20	<20	20	<10	<10
Jul													
23...	--	--	--	--	--	--	--	--	--	--	--	--	--
23...	<10	<10	<10	<10	<10	E10	<20	<30	<20	<20	<10	10	<10
Sep													
21...	E10	<20	<20	<20	<20	30	50	90	50	50	40	70	<20

WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Part 11 of 11

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

Date	Fluor-an-thene, bed sedimnt	Indeno-[123cd] pyrene, bed sedimnt	Naph-thalene, bed sedimnt	Pery-lene, bed sedimnt	Phen-an-threne, bed sedimnt	Pyrene, bed sedimnt	Uranium natural water, fltrd, µg/L (22703)	Suspnd. sediment, sieve diametr <.063mm (70331)	Sus-pended sediment concentra-tion mg/L (80154)
	ug/kg (62561)	ug/kg (62562)	ug/kg (62563)	ug/kg (62565)	ug/kg (62566)	ug/kg (62568)	µg/L (22703)	<.063mm (70331)	mg/L (80154)
May									
08...	--	--	--	--	--	--	1.60	28	1,480
Jun									
25...	--	--	--	--	--	--	1.02	60	86
25...	20	<20	<10	<20	<10	20	--	--	--
Jul									
23...	--	--	--	--	--	--	1.64	94	862
23...	<30	<20	<10	<10	<10	<20	--	--	--
Sep									
21...	100	E50	<20	E20	30	80	--	--	--

08330000 RIO GRANDE AT ALBUQUERQUE, NM—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Part 1 of 6

Date	Time	Medium code	Agency analyzing sample, code (00028)	Gage height, feet (00065)	Mean stream depth, feet (00064)	Instantaneous discharge, cfs (00061)	Stream velocity, ft/s (00055)	Stream width, feet (00004)	Turbidity, white light, det ang 90+/-30 corctd NTRU (63676)	Turbidity, IR LED light, det ang 90 deg, FNU (63680)	Barometric pressure, mm Hg (00025)	Disolved oxygen, mg/L (00300)	Disolved oxygen, percent of saturation (00301)
									white light, det ang 90+/-30 corctd NTRU (63676)	IR LED light, det ang 90 deg, FNU (63680)	Barometric pressure, mm Hg (00025)	Disolved oxygen, mg/L (00300)	Disolved oxygen, percent of saturation (00301)
Oct													
17...	1140	9	80020	2.90	1.6	806	1.99	260	180	200	631	8.9	107
17...	1155	9	1028	2.90	1.6	806	1.99	260	--	200	631	8.9	107
17...	1215	H	1028	2.90	1.6	806	1.99	260	--	--	--	--	--
Nov													
07...	1320	9	80020	4.02	3.1	1,850	2.78	217	300	340	639	9.1	103
07...	1355	9	--	4.02	3.1	1,850	2.78	217	--	340	639	9.1	103
07...	1415	H	--	4.02	3.1	1,850	2.78	217	--	--	--	--	--
Dec													
15...	1105	9	80020	3.31	1.8	966	2.10	258	66	93	638	11.7	109
15...	1125	9	--	3.31	1.8	966	2.10	258	--	93	638	11.7	109
15...	1135	H	--	3.31	1.8	966	2.10	258	--	--	--	--	--
Mar													
09...	1125	H	--	2.77	1.4	619	1.75	255	--	--	--	--	--
09...	1135	9	--	2.77	1.4	619	1.75	255	62	--	641	9.7	102
09...	1150	9	--	2.77	1.4	619	1.75	255	--	--	641	9.7	102
Apr													
03...	1345	H	--	4.06	3.1	1,760	2.70	216	--	--	--	--	--
03...	1415	9	--	4.06	3.1	1,760	2.70	216	140	--	641	8.4	98
03...	1445	9	--	4.06	3.1	1,760	2.70	216	--	--	641	8.4	98
May													
08...	1110	9	--	--	--	2,560	--	--	--	--	643	7.8	92
Jun													
01...	1045	9	--	4.34	3.2	2,090	3.07	211	52	--	--	--	--
01...	1115	9	--	4.34	3.2	2,090	3.07	211	--	--	--	--	--
01...	1240	H	--	4.34	3.2	2,090	3.07	211	--	--	--	--	--
Jul													
11...	1305	9	--	2.62	1.2	473	1.49	269	53	--	648	6.7	99
11...	1315	9	--	2.62	1.2	473	1.49	269	--	--	648	6.7	99
11...	1325	H	--	2.62	1.2	473	1.49	269	--	--	--	--	--
Aug													
03...	1015	9	--	2.59	1.1	456	1.68	256	460	--	651	6.9	98
03...	1030	9	--	2.59	1.1	456	1.68	256	--	--	651	6.9	98
03...	1045	H	--	2.59	1.1	456	1.68	256	--	--	--	--	--

08330000 RIO GRANDE AT ALBUQUERQUE, NM—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Part 2 of 6

Date	pH, water, unfiltrd field, std units (00400)	Specif- ic conduc- tance, wat unf μS/cm (00095)	Temper- ature, air, deg C (00020)	Temper- ature, water, deg C (00010)	Suspnd. sediment, falldia dst wat <.002mm (70337)	Suspnd. sediment, falldia dst wat <.004mm (70338)	Suspnd. sediment, falldia dst wat <.008mm (70339)	Suspnd. sediment, falldia dst wat <.016mm (70340)	Suspnd. sediment, falldia dst wat <.063mm (70342)	Suspnd. sediment, falldia dst wat <.125mm (70343)	Suspnd. sediment, falldia dst wat <.25mm (70344)	Suspnd. sediment, falldia dst wat <.5 mm (70345)	Suspnd. sediment, falldia dst wat <.063mm (70331)
	25 degC (00095)	25 degC (00020)	25 degC (00010)	25 degC (00010)	25 degC (00010)	25 degC (00010)	25 degC (00010)	25 degC (00010)	25 degC (00010)	25 degC (00010)	25 degC (00010)	25 degC (00010)	25 degC (00010)
Oct													
17...	8.2	319	19.3	15.0	--	--	--	--	--	--	--	--	--
17...	8.2	319	19.3	15.0	30	34	41	44	74	83	93	100	--
17...	--	--	19.3	--	--	--	--	--	--	--	--	--	--
Nov													
07...	8.0	298	15.7	12.9	--	--	--	--	--	--	--	--	--
07...	8.0	298	15.7	12.9	12	14	17	21	56	74	81	100	--
07...	--	--	15.7	--	--	--	--	--	--	--	--	--	--
Dec													
15...	8.1	325	10.8	4.9	--	--	--	--	--	--	--	--	--
15...	8.1	325	10.8	4.9	--	--	--	--	10	13	19	65	--
15...	--	--	10.8	--	--	--	--	--	--	--	--	--	--
Mar													
09...	--	--	16.1	--	--	--	--	--	--	--	--	--	--
09...	--	368	16.1	10.0	--	--	--	--	--	--	--	--	--
09...	--	368	16.1	10.0	--	--	--	--	69	79	93	100	--
Apr													
03...	--	--	14.3	--	--	--	--	--	--	--	--	--	--
03...	--	258	14.3	14.5	--	--	--	--	--	--	--	--	--
03...	--	258	14.3	14.5	--	--	--	--	70	85	93	100	--
May													
08...	8.2	309	18.0	15.0	--	--	--	--	--	--	--	--	28
Jun													
01...	--	320	19.5	20.0	--	--	--	--	--	--	--	--	--
01...	--	320	19.5	20.0	--	--	--	--	45	63	82	97	--
01...	--	--	19.5	--	--	--	--	--	--	--	--	--	--
Jul													
11...	8.2	374	33.3	26.6	--	--	--	--	--	--	--	--	--
11...	8.2	374	33.3	26.6	--	--	--	--	81	88	91	99	--
11...	8.2	374	33.3	--	--	--	--	--	--	--	--	--	--
Aug													
03...	8.2	371	25.6	25.0	--	--	--	--	--	--	--	--	--
03...	8.2	371	25.6	25.0	61	62	65	72	73	77	84	96	--
03...	--	--	25.6	--	--	--	--	--	--	--	--	--	--

08330000 RIO GRANDE AT ALBUQUERQUE, NM—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Part 3 of 6

Date	Suspnd. sediment, sieve diametr percent	Suspnd. sediment, sieve diametr percent	Sus- pended concen- tration mg/L	Bed dry svd <.063mm	Bed dry svd <.125mm	Bed dry svd <.25mm	Bed dry svd <.5 mm	Bed dry svd <1 mm	Bed dry svd <2 mm	Bed dry svd <4 mm	Bed dry svd <8 mm	Bed dry svd <16 mm	Bed dry svd <63mm
	(70335)	(70336)	(80154)	(80164)	(80165)	(80166)	(80167)	(80168)	(80169)	(80170)	(80171)	(80172)	(69046)
Oct													
17...	--	--	984	--	--	--	--	--	--	--	--	--	--
17...	--	--	417	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	0	1	12	57	88	96	98	99	100	--
Nov													
07...	--	--	1,910	--	--	--	--	--	--	--	--	--	--
07...	--	--	1,700	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	2	5	19	80	98	100	--	--	--	--
Dec													
15...	--	--	540	--	--	--	--	--	--	--	--	--	--
15...	77	100	4,040	--	--	--	--	--	--	--	--	--	--
15...	--	--	--	0	3	18	53	78	91	97	100	--	--
Mar													
09...	--	--	--	0	1	10	64	91	97	99	99	100	--
09...	--	--	220	--	--	--	--	--	--	--	--	--	--
09...	--	--	200	--	--	--	--	--	--	--	--	--	--
Apr													
03...	--	--	--	0	1	6	45	83	94	97	99	100	--
03...	--	--	4,790	--	--	--	--	--	--	--	--	--	--
03...	--	--	527	--	--	--	--	--	--	--	--	--	--
May													
08...	--	--	1,480	--	--	--	--	--	--	--	--	--	--
Jun													
01...	--	--	1,778	--	--	--	--	--	--	--	--	--	--
01...	100	--	448	--	--	--	--	--	--	--	--	--	--
01...	--	--	--	0	0	8	60	92	96	97	99	100	--
Jul													
11...	--	--	122	--	--	--	--	--	--	--	--	--	--
11...	100	--	118	--	--	--	--	--	--	--	--	--	--
11...	--	--	--	0	2	8	46	77	86	91	95	100	--
Aug													
03...	--	--	528	--	--	--	--	--	--	--	--	--	--
03...	100	--	604	--	--	--	--	--	--	--	--	--	--
03...	--	--	--	0	1	10	37	58	63	67	71	78	100

08330000 RIO GRANDE AT ALBUQUERQUE, NM—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Part 4 of 6

Date	Time	Medium code	Gage height, feet (00065)	Mean stream depth, feet (00064)	Instantaneous discharge, cfs (00061)	Stream velocity, ft/s (00055)	Stream width, feet (00004)	Turbidity			Dissolved oxygen, mg/L (00300)	pH, water, unfiltrd field, std units (00400)	Specific conductance, wat unf $\mu\text{s}/\text{cm}$ 25 degC (00095)
								white light, 90+/30 det ang	Barometric pressure, mm Hg (63676)	Dissolved oxygen, mg/L (00025)			
Sep													
11...	1345	9	2.38	.96	354	1.40	265	98	652	7.4	107	8.0	345
11...	1350	9	2.38	.96	354	1.40	265	--	652	7.4	107	8.0	345
11...	1355	H	2.38	.96	354	1.40	265	--	--	--	--	--	--

WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Part 5 of 6

Date	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Suspnd. sediment, mm <.063mm (70342)	Suspnd. sediment, mm <.125mm (70343)	Suspnd. sediment, mm <.25mm (70344)	Suspnd. sediment, mm <.5 mm (70345)	Suspended sediment, mg/L (80154)	Bed sediment, dry svd (80164)	Bed sediment, dry svd (80165)	Bed sediment, dry svd (80166)	Bed sediment, dry svd (80167)	Bed sediment, dry svd (80168)	Bed sediment, dry svd (80169)
			dst wat	dst wat	dst wat	percent	percent	percent	percent	percent	percent	percent	percent
Sep													
11...	20.6	26.0	--	--	--	--	146	--	--	--	--	--	--
11...	20.6	26.0	92	95	97	100	148	--	--	--	--	--	--
11...	20.6	--	--	--	--	--	--	0	3	9	47	83	95

WATER-QUALITY DATA
WATER YEAR OCTOBER 2006
TO SEPTEMBER 2007

Part 6 of 6

Date	Bed sediment, dry svd percent <4 mm (80170)	Bed sediment, dry svd percent <8 mm (80171)
Sep		

11...	--	--
11...	--	--
11...	99	100

08330000 RIO GRANDE AT ALBUQUERQUE, NM—Continued

SUSPENDED-SEDIMENT
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Day	Mean concentration (mg/L)	Sediment discharge (tons/day)										
October		November		December		January		February		March		
1	3,380	7,270	192	260	894	1,920	349	725	134	220	84	133
2	1,080	1,920	184	274	631	1,310	341	699	138	230	84	130
3	342	514	255	394	559	1,120	333	685	146	242	85	134
4	248	343	413	660	379	761	325	698	197	324	85	137
5	215	278	465	745	341	671	313	692	210	348	85	143
6	206	243	490	796	205	432	274	608	186	300	86	139
7	156	172	384	637	332	759	221	418	191	311	86	127
8	180	189	346	570	285	588	265	470	217	355	87	111
9	850	1,410	209	329	169	288	223	393	183	299	87	115
10	1,540	1,790	216	324	131	183	213	376	181	296	88	114
11	1,320	1,590	386	624	109	140	215	384	171	273	88	104
12	821	1,050	323	551	117	140	245	415	209	337	88	101
13	531	656	365	646	252	426	358	595	171	277	89	106
14	319	354	402	713	516	1,140	223	351	155	231	89	99
15	284	401	567	1,230	471	1,020	200	305	126	178	90	95
16	717	1,020	1,050	2,600	350	721	174	265	107	161	90	103
17	567	664	761	1,790	317	573	154	234	103	160	90	103
18	346	440	1,040	2,660	226	390	129	193	98	152	91	99
19	337	519	607	1,440	188	337	184	276	94	145	91	102
20	2,900	4,390	729	1,630	325	590	183	272	90	138	92	103
21	1,160	1,490	493	1,120	328	589	187	292	85	132	94	102
22	500	528	440	1,010	399	710	181	293	82	126	130	136
23	270	278	419	920	311	571	175	284	81	123	123	129
24	229	227	449	983	303	576	189	296	82	122	165	160
25	219	189	360	789	284	535	161	241	82	122	199	191
26	198	150	544	1,200	261	491	186	283	83	124	136	126
27	188	136	425	941	247	466	129	191	83	126	108	94
28	174	125	405	915	250	523	119	177	83	128	110	103
29	175	154	337	780	351	765	123	182	---	---	167	161
30	181	188	459	997	364	801	127	192	---	---	116	115
31	186	210	---	---	356	757	130	204	---	---	168	182
Total	---	28,888	---	28,528	---	20,293	---	11,689	---	5,980	---	3,797

08330000 RIO GRANDE AT ALBUQUERQUE, NM—Continued

SUSPENDED-SEDIMENT
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Day	Mean concentration (mg/L)	Sediment discharge (tons/day)										
	April		May		June		July		August		September	
1	147	165	113	180	143	269	2,050	3,360	26,300	104,000	764	853
2	119	131	107	167	139	267	581	849	17,800	36,000	889	1,240
3	172	194	102	155	174	337	577	839	4,370	5,850	768	910
4	170	194	96	144	331	659	807	1,250	1,740	2,090	727	835
5	129	153	90	135	387	778	3,030	10,400	7,300	32,200	723	877
6	97	111	84	124	206	429	9,490	38,200	23,300	140,000	1,310	1,650
7	92	105	78	116	178	396	13,600	44,000	41,800	163,000	5,780	9,620
8	90	111	73	107	166	380	7,930	19,200	23,700	75,000	9,150	19,500
9	131	173	67	102	168	388	7,540	30,700	6,800	17,000	4,290	9,200
10	130	181	86	136	177	405	4,810	9,270	4,380	11,200	4,060	5,210
11	118	173	83	132	326	730	2,610	4,580	2,780	6,960	1,840	2,290
12	139	221	125	197	179	389	1,250	1,710	2,310	5,440	1,190	1,530
13	161	278	131	199	138	298	620	839	4,630	11,300	1,130	1,340
14	150	265	105	157	131	282	575	697	7,240	28,000	1,140	1,200
15	196	354	95	142	116	247	449	528	12,800	54,500	950	938
16	201	361	124	193	124	265	530	678	12,000	39,200	766	756
17	195	350	103	154	116	248	507	631	9,760	34,200	725	711
18	189	306	89	134	154	328	311	350	8,380	22,500	775	726
19	183	283	100	151	300	624	382	508	10,000	29,400	787	743
20	177	277	95	143	222	443	714	740	11,700	29,200	848	888
21	171	252	88	137	140	285	516	502	10,800	30,200	6,340	10,100
22	166	241	98	163	173	345	637	772	12,400	43,400	4,750	5,970
23	160	223	127	232	135	274	6,580	12,500	12,100	51,500	3,060	3,800
24	154	205	151	287	195	397	2,550	3,630	5,240	12,400	2,180	2,650
25	148	212	134	253	268	533	1,140	1,690	5,070	12,400	1,230	1,420
26	142	211	128	243	903	1,890	1,150	1,770	2,130	3,860	426	505
27	137	205	137	264	6,410	21,100	1,520	2,880	2,050	3,690	340	433
28	131	200	148	283	11,300	42,300	6,560	17,500	1,690	2,460	347	435
29	125	202	147	282	5,280	11,500	8,350	14,300	5,550	7,550	353	419
30	119	194	220	427	7,030	14,400	2,160	3,270	1,700	2,060	397	463
31	---	---	209	397	---	---	4,240	23,800	848	986	---	---
Total	---	6,531	---	5,936	---	101,186	---	251,943	---	1,017,546	---	87,212