



Water-Data Report 2007

**08353000 RIO PUERCO NEAR BERNARDO, NM**

Rio Grande-Elephant Butte Basin  
Rio Puerco Subbasin

LOCATION.--Lat 34°24'37", long 106°51'16" referenced to North American Datum of 1983, Socorro County, NM, Hydrologic Unit 13020204, on left bank 300 ft upstream from bridge on former U.S. Highway 85, 0.2 mi upstream from Interstate Highway 25, 1.2 mi southwest of Bernardo, 3.0 mi upstream from mouth, and 18.0 mi south of Belen.

DRAINAGE AREA.--7,350 mi<sup>2</sup>, approximately, of which at least 1,130 mi<sup>2</sup> does not contribute directly to surface runoff.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--November 1939 to current year. Fragmentary gage-height record and footnotes concerning no flow for the period September 1910 to August 1914, published in WSP 358 and 388, are in error and should not be used.

REVISED RECORDS.--WSP 1512: 1941-42, 1944-45, 1946(P), 1947-49. WSP 1632: 1957. WSP 1732: drainage area. See also PERIOD OF RECORD.

GAGE.--Water-stage recorder with satellite telemetry. Datum of gage is 4,722.34 ft above NGVD of 1929. Prior to Jan. 24, 1969, at datum 3.10 ft higher.

REMARKS.--Water-discharge records good except for those estimated, which are poor. Diversions for irrigation of about 11,500 acres upstream from station (includes 3,700 acres irrigated wholly or partly from wells). No flow part of the year.

EXTREMES OUTSIDE PERIOD OF RECORD.--The greatest flood since about 1880 occurred Sept. 23, 1929, from information by local residents (discharge, about 35,000 ft<sup>3</sup>/s, estimated on basis of peak at Rio Puerco). Another flood occurred Aug. 12, 1929 (discharge, 30,600 ft<sup>3</sup>/s, by slope-area measurement, from reports of New Mexico State Engineer).

**08353000 RIO PUERCO NEAR BERNARDO, NM—Continued**

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

<b>Day</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>
<b>1</b>	0.30	e1.4	0.01	0.07	0.41	3.1	5.1	0.13	2.2	0.00	4.2	21
<b>2</b>	0.19	e0.94	0.04	0.05	0.76	2.9	5.6	1.6	0.96	0.00	2.5	48
<b>3</b>	0.14	4.3	0.04	0.05	0.22	1.7	5.2	0.31	0.54	0.00	84	316
<b>4</b>	0.10	4.8	0.06	0.05	0.14	1.2	3.5	0.02	0.00	0.00	19	250
<b>5</b>	0.08	4.4	0.03	0.03	0.03	0.50	2.5	74	0.00	e16	7.3	63
<b>6</b>	0.06	e1.2	0.03	0.02	0.01	0.45	1.6	76	0.00	e171	14	23
<b>7</b>	0.21	e1.0	0.02	0.01	0.01	0.15	1.1	60	0.00	e178	181	46
<b>8</b>	42	e0.07	0.02	0.03	0.01	0.15	e0.30	49	0.00	e117	210	50
<b>9</b>	83	0.06	0.02	0.02	0.00	0.30	e0.19	41	0.00	e34	96	17
<b>10</b>	96	0.04	0.02	0.02	0.00	0.23	e0.07	44	0.00	5.9	40	12
<b>11</b>	271	0.03	0.01	0.01	0.01	0.27	e0.02	31	0.00	1.9	21	15
<b>12</b>	465	0.03	0.01	0.02	0.01	0.22	e0.03	18	0.00	0.00	44	23
<b>13</b>	91	0.03	0.02	0.01	0.01	8.5	0.28	12	0.00	0.00	53	9.8
<b>14</b>	52	0.03	0.01	e0.03	0.04	14	1.6	8.7	0.00	0.00	16	4.8
<b>15</b>	e30	0.02	0.01	e0.02	71	7.9	6.8	15	0.00	0.00	7.9	2.6
<b>16</b>	e16	0.02	0.02	e0.02	41	4.6	11	28	0.00	0.00	2.8	1.5
<b>17</b>	e9.8	0.02	0.01	e0.05	24	3.5	14	66	0.00	0.00	0.91	4.1
<b>18</b>	e5.3	0.02	0.01	e0.07	19	2.6	6.6	184	0.00	0.00	0.00	3.5
<b>19</b>	e11	0.02	0.04	0.04	13	1.6	4.0	74	0.00	0.00	0.00	1.5
<b>20</b>	e25	0.02	0.04	0.03	9.4	1.1	1.9	87	0.00	0.00	0.00	2.7
<b>21</b>	e16	0.02	0.01	0.01	8.3	0.69	0.85	74	0.00	0.00	0.00	15
<b>22</b>	e15	0.02	0.03	0.01	12	0.56	0.25	54	0.00	0.00	0.00	7.7
<b>23</b>	e8.5	0.02	0.02	0.02	11	0.69	0.06	43	0.00	0.00	0.00	2.7
<b>24</b>	e4.2	0.02	0.03	0.02	9.3	1.6	0.01	50	0.00	19	12	2.5
<b>25</b>	e9.0	0.02	0.02	0.01	6.7	2.0	0.00	43	0.00	15	2.4	0.82
<b>26</b>	e2.2	0.02	0.02	0.01	6.7	5.8	0.00	35	0.00	103	0.56	0.00
<b>27</b>	e1.2	0.02	0.01	0.01	4.1	15	0.00	27	0.00	8.7	0.84	0.00
<b>28</b>	e1.0	0.01	0.02	0.01	3.6	22	0.00	21	0.00	8.7	0.40	0.00
<b>29</b>	e1.4	0.03	0.02	0.01	---	11	0.12	13	0.00	4.2	0.47	0.00
<b>30</b>	e1.3	0.01	0.04	0.01	---	7.8	0.06	6.8	0.00	6.5	3.8	0.00
<b>31</b>	e0.94	---	0.04	0.01	---	6.6	---	3.9	---	6.7	72	---
<b>Total</b>	1,258.92	18.64	0.73	0.78	240.76	128.71	72.74	1,240.46	3.70	695.60	896.08	943.22
<b>Mean</b>	40.6	0.62	0.02	0.03	8.60	4.15	2.42	40.0	0.12	22.4	28.9	31.4
<b>Max</b>	465	4.8	0.06	0.07	71	22	14	184	2.2	178	210	316
<b>Min</b>	0.06	0.01	0.01	0.01	0.00	0.15	0.00	0.02	0.00	0.00	0.00	0.00
<b>Ac-ft</b>	2,500	37	1.4	1.5	478	255	144	2,460	7.3	1,380	1,780	1,870

**STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 2007, BY WATER YEAR (WY)**

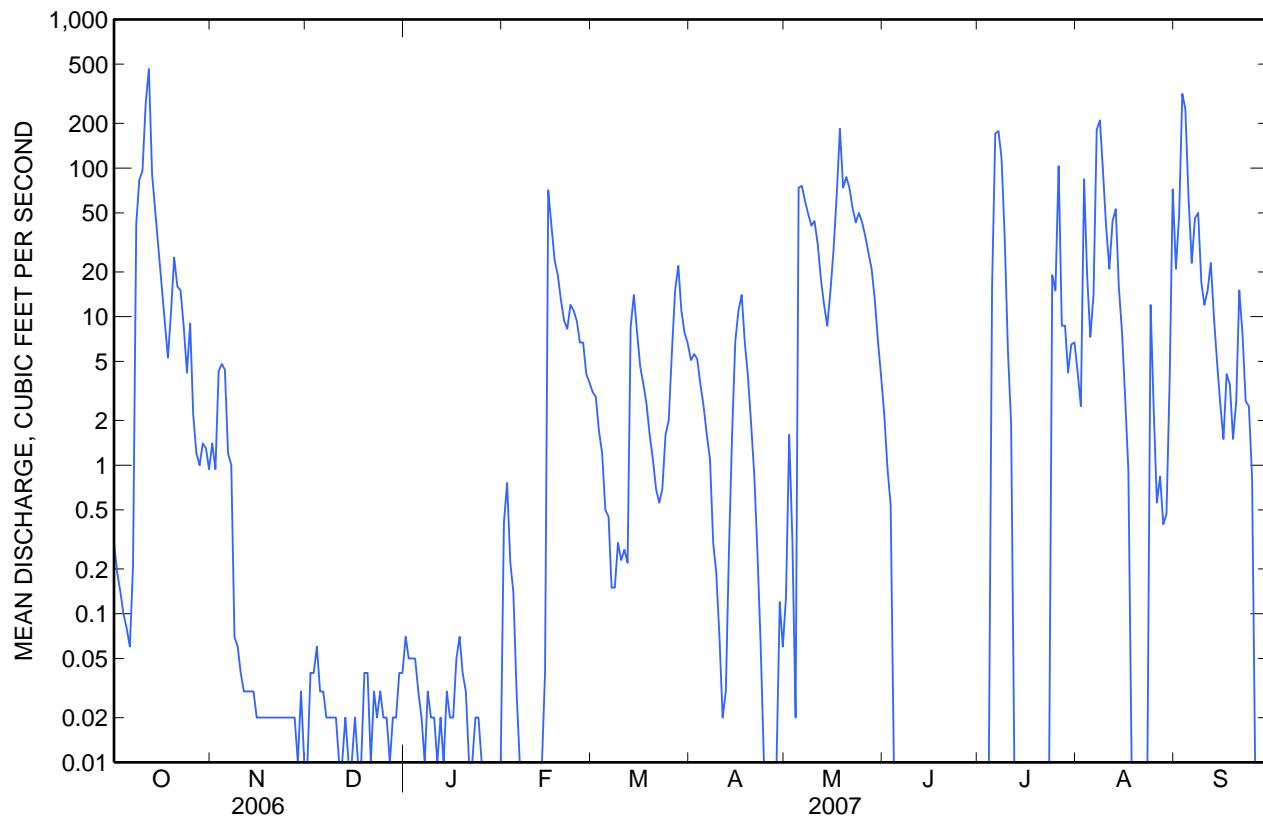
	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>
<b>Mean</b>	46.2	6.54	1.14	2.27	13.8	16.6	15.6	38.5	17.7	61.0	183	81.5
<b>Max</b>	586	100	26.6	70.0	142	208	179	885	203	362	1,044	584
(WY)	(1942)	(1987)	(1985)	(1993)	(1979)	(1960)	(1973)	(1941)	(1941)	(1955)	(2006)	(1972)
<b>Min</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(WY)	(1952)	(1940)	(1940)	(1940)	(1942)	(1942)	(1944)	(1950)	(1945)	(1942)	(2000)	(1956)

**08353000 RIO PUERCO NEAR BERNARDO, NM—Continued****SUMMARY STATISTICS**

	<b>Calendar Year 2006</b>	<b>Water Year 2007</b>	<b>Water Years 1940 - 2007</b>	
<b>Annual total</b>	39,401.69	5,500.34		
<b>Annual mean</b>	108	15.1	40.4	
<b>Highest annual mean</b>			171	1941
<b>Lowest annual mean</b>			4.80	2000
<b>Highest daily mean</b>	5,410	Aug 10	465	Oct 12
<b>Lowest daily mean</b>	0.00	May 23	0.00	Feb 9
<b>Annual seven-day minimum</b>	0.00	May 23	0.00	Jun 4
<b>Maximum peak flow</b>			595	Oct 12
<b>Maximum peak stage</b>			8.21	Oct 12
<b>Instantaneous low flow</b>			0.00	Nov 30
<b>Annual runoff (ac-ft)</b>	78,150	10,910	29,290	
<b>10 percent exceeds</b>	291	43	60	
<b>50 percent exceeds</b>	0.04	0.40	0.00	
<b>90 percent exceeds</b>	0.00	0.00	0.00	

<sup>a</sup> From rating curve extended above 7,800 ft<sup>3</sup>/s.

<sup>b</sup> Maximum gage height, 19.52 ft, present datum, Aug. 10, 2007.



**WATER-QUALITY RECORDS**

PERIOD OF RECORD.--Water years 1947 to current year.

PERIOD OF DAILY RECORD.--

SUSPENDED-SEDIMENT DISCHARGE: October 1947 to current year

INSTRUMENTATION.--Automatic pumping sediment sampler.

REMARKS.--Daily suspended-sediment samples are collected when flow is sensed on this ephemeral stream.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SEDIMENT CONCENTRATION: Maximum daily mean, 267,000 mg/L, July 26, 1957; minimum daily mean, no flow on many days.

SEDIMENT LOAD: Maximum daily, 2,240,000 tons, August 7, 1957; minimum daily, 0 ton on many days.

EXTREMES FOR WATER YEAR 2006.-- SEDIMENT CONCENTRATION: Maximum daily mean, 64,000 mg/L, Sept. 11; minimum daily mean, no flow many days. SEDIMENT LOAD: Maximum daily 301,000 tons, Aug. 10; minimum daily, 0 ton many days.

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

Part 1 of 8

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

Date	Time	Turbidity white light, det ang 90+/-30 degrees	Baro- metric pres- sure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Solved oxygen, percent of sat- uration (00301)	pH, water, unfltrd field, std units (00400)	Specif- ic conduc- tance, wat unf field, μS/cm (00095)	Temper- ature, air, deg C (00020)	Temper- ature, water, deg C (00010)	Hard- ness, water, mg/L as CaCO <sub>3</sub> (00900)	Calci- um, water, mg/L (00915)	Magnes- ium, water, mg/L (00925)
Oct												
20...	0900	36	9,900	644	9.7	98	8.4	2,400	12.0	8.0	540	157
20...	0900	--	--	--	--	--	--	--	--	--	--	--
Mar												
12...	0950	16	17	654	10.6	98	8.4	4,430	8.5	5.0	710	175
Jul												
25...	0930	14	74,000	649	5.5	74	7.9	2,150	24.0	21.5	320	96.7
												19.3

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

Part 2 of 8

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

Date	Potassium, water, fltrd, mg/L (00935)	Sodium, adsorp- tion ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, bed sed <62.5um fwd end lab, ug/g (65178)	Alka- linity, wat flt inc tit field, mg/L as CaCO <sub>3</sub> (29801)	Alka- linity, wat flt inc tit field, mg/L as CaCO <sub>3</sub> (39086)	Bicar- bonate, wat flt incr. tit., field, mg/L (00453)	Carbon- ate, wat flt incr. tit., field, mg/L (00452)	Chlor- ide, water, fltrd, mg/L (00940)	Fluor- ide, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate bed sed <62.5um wet svd field, total, percent (34970)
Oct												
20...	6.83	5.5	294	--	200	193	228	3	219	.88	8.14	704
20...	--	--	--	11,000	--	--	--	--	--	--	--	<.05
Mar												
12...	6.53	7.4	454	--	236	243	288	4	498	.79	5.63	1,560
Jul												
25...	5.18	5.4	222	--	91	116	E141	--	34.2	.55	20.4	613
												--

## 08353000 RIO PUERCO NEAR BERNARDO, NM—Continued

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

Part 3 of 8

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

Date	Residue water, sum of consti- tuents mg/L (70301)	Ammonia + org-N, water, unfltrd, mg/L (00623)	Ammonia + org-N, water, unfltrd, mg/L (00625)	Ammonia water, fltrd, mg/L (00608)	Ammonia water, unfltrd, mg/L (00610)	Nitrate + nitrite water, fltrd, mg/L (00631)	Nitrite water, fltrd, mg/L (00613)	Ortho- phosphate, water, fltrd, mg/L (00671)	Phos- phorus, water, fltrd, mg/L (00666)	Phos- phorus, water, unfltrd, mg/L (00665)	Total carbon, <62.5um sedimnt percent (49267)	Inorg. carbon, wsv nat field percent (49269)	Organic carbon, bed sed wsv nat field percent (49266)
<b>Oct</b>													
20...	1,540	.36	8.2	<.020	.170	.49	E.001	.013	.020	2.80	--	--	--
20...	--	--	--	--	--	--	--	--	--	--	.51	.34	.17
<b>Mar</b>													
12...	2,910	.44	.30	E.011	<.100	.10	.005	<.006	E.004	.024	--	--	--
<b>Jul</b>													
25...	1,090	.66	96	<.020	E.061	1.70	<.002	.010	.017	7.68	--	--	--

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

Part 4 of 8

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

Date	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)	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)	
<b>Oct</b>														
20...	2.0	.13	1.1	83	<.06	384	<.04	.27	.16	2.4	<18	E.07	.3	
20...	--	--	--	--	--	--	--	--	--	--	--	--	--	
<b>Mar</b>														
12...	5.2	.12	.70	63	<.12	360	E.04	E.14	.58	3.2	<18	.62	198	
<b>Jul</b>														
25...	25.8	.23	.48	48	<.06	151	.04	.32	.15	7.6	E17	.39	2.9	

## 08353000 RIO PUERCO NEAR BERNARDO, NM—Continued

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

Part 5 of 8

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

Date	Mercury water, unfiltrd recover -able, µg/L (71900)	Molyb- denum, water, fltrd, µg/L (01060)	Nickel, water, fltrd, µg/L (01065)	Selen- ium, water, fltrd, µg/L (01145)	Selen- ium, water, unfiltrd µg/L (01147)	Silver, water, fltrd, µg/L (01075)	Zinc, water, fltrd, µg/L (01090)	Alum- inum, bed sed <62.5um bed sed ug/g (65170)	Anti- mony, bed sed <62.5um bed sed ug/g (34795)	Arsenic bed sed <62.5um wet svd ug/g (34800)	Barium, bed sed <62.5um wet svd ug/g (34805)	Beryll- ium, bed sed <62.5um wet svd ug/g (34810)	Bismuth bed sed <177um wet svd ug/g (34816)
Oct													
20...	.482	5.4	1.2	1.9	2.1	<.1	<.60	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	51,000	.7	5.2	830	1.3	M
Mar													
12...	.012	3.8	2.6	1.9	1.9	<.2	5.4	--	--	--	--	--	--
Jul													
25...	1.91	5.2	1.4	1.8	.81	<.1	6.8	--	--	--	--	--	--

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

Part 6 of 8

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

Date	Cadmium bed sed <62.5um wet svd total, fld,tot ug/g (34825)	Calcium bed sed <62.5um wet svd total, fld,tot ug/g (65171)	Cerium, bed sed <62.5um wet svd total, fld,tot ug/g (34835)	Cesium, bed sed <62.5um wet svd total, fld,tot ug/g (65172)	Chrom- ium, bed sed <62.5um wet svd total, fld,tot ug/g (34840)	Cobalt, bed sed <62.5um wet svd total, fld,tot ug/g (34845)	Copper, bed sed <62.5um wet svd total, fld,tot ug/g (34850)	Gallium bed sed <62.5um wet svd total, fld,tot ug/g (34860)	Iron, bed sed <62.5um wet svd total, fld,tot ug/g (65173)	Lantha- num, bed sed <62.5um wet svd total, fld,tot ug/g (34885)	Lead, bed sed <62.5um wet svd total, fld,tot ug/g (34890)	Lithium bed sed <62.5um wet svd total, fld,tot ug/g (34895)	Magnesium, bed sed <62.5um wet svd total, fld,tot ug/g (65174)
Oct													
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	.1	15,000	56	3.30	23	5	12	9	17,000	30	13	19	5,600
Mar													
12...	--	--	--	--	--	--	--	--	--	--	--	--	--
Jul													
25...	--	--	--	--	--	--	--	--	--	--	--	--	--

## 08353000 RIO PUERCO NEAR BERNARDO, NM—Continued

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

Part 7 of 8

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

Date	Manganese, bed sed <62.5um wet svd fld,tot ug/g (34905)	Mercury bed sed <62.5um wet svd fld,tot ug/g (34910)	Molybdenum, bed sed <62.5um wet svd fld,tot ug/g (34915)	Nickel, bed sed <62.5um wet svd fld,tot ug/g (34925)	Niobium bed sed total, ug/g (34930)	Phosphorus, bed sed wet svd fld,tot ug/g (65175)	Potassium, bed sed wet svd fld,tot ug/g (65176)	Rubidium, bed sed wet svd fld,tot ug/g (65177)	Scandium, bed sed wet svd fld,tot ug/g (34945)	Selenium, bed sed wet svd fld,tot ug/g (34950)	Silver, bed sed <62.5um wet svd fld,tot ug/g (34955)	Strontium, bed sed <62.5um wet svd fld,tot ug/g (34965)	Thallium, bed sed <62.5um dry svd total, ug/g (04064)
<b>Oct</b>													
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	260	<.02	.6	9	12	390	17,000	67.1	4	.1	<1.0	200	M
<b>Mar</b>													
12...	--	--	--	--	--	--	--	--	--	--	--	--	--
<b>Jul</b>													
25...	--	--	--	--	--	--	--	--	--	--	--	--	--

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

Part 8 of 8

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

Date	Thorium bed sed <62.5um wet svd field, total, ug/g (34980)	Titanium, bed sed <62.5um wet svd fld,tot ug/g (65179)	Vanadium, bed sed <62.5um wet svd fld,tot ug/g (35005)	Yttrium bed sed wet svd field, total, ug/g (35010)	Zinc, bed sed <62.5um wet svd field, total, ug/g (35020)	Uranium natural water, filtrd, ug/L (22703)	Uranium bed sed <62.5um wet svd field, total, ug/g (35000)	Suspnd. sediment, sieve diametr percent <.063mm (70331)	Sus- pended ment, sieve diametr percent mg/L (80154)
<b>Oct</b>									
20...	--	--	--	--	--	7.95	--	100	12,600
20...	8	2,400	44	17	38	--	1.9	--	--
<b>Mar</b>									
12...	--	--	--	--	--	8.26	--	75	50
<b>Jul</b>									
25...	--	--	--	--	--	3.44	--	100	116,000

**08353000 RIO PUERCO NEAR BERNARDO, NM—Continued**
**SUSPENDED-SEDIMENT  
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006**

<b>Day</b>	<b>Mean concentration (mg/L)</b>	<b>Sediment discharge (tons/day)</b>										
<b>October</b>		<b>November</b>		<b>December</b>		<b>January</b>		<b>February</b>		<b>March</b>		
<b>1</b>	16,600	14,400	74	0.00	74	0.01	74	0.00	74	0.00	74	0.00
<b>2</b>	19,600	19,100	74	0.00	74	0.02	74	0.00	74	0.00	74	0.00
<b>3</b>	19,700	3,330	74	0.00	74	0.01	74	0.00	74	0.00	74	0.00
<b>4</b>	19,300	1,140	74	0.00	74	0.00	74	0.01	74	0.00	74	0.00
<b>5</b>	19,000	763	74	0.00	74	0.00	74	0.01	74	0.00	74	0.00
<b>6</b>	18,000	361	74	0.00	74	0.01	74	0.01	74	0.00	74	0.00
<b>7</b>	13,500	430	74	0.00	74	0.01	74	0.00	74	0.00	74	0.00
<b>8</b>	5,260	116	74	0.00	74	0.01	74	0.00	74	0.00	74	0.00
<b>9</b>	1,870	26	74	0.00	74	0.01	74	0.00	74	0.00	74	0.00
<b>10</b>	754	6.0	74	0.00	74	0.01	74	0.00	74	0.00	74	0.00
<b>11</b>	578	7.6	74	0.00	74	0.01	74	0.01	74	0.00	74	0.00
<b>12</b>	2,430	43	74	0.00	74	0.00	74	0.01	74	0.00	74	0.00
<b>13</b>	7,670	175	74	0.00	74	0.01	74	0.00	74	0.00	74	0.00
<b>14</b>	10,700	101	74	0.01	74	0.00	74	0.01	74	0.00	74	0.00
<b>15</b>	8,240	27	74	0.00	74	0.00	74	0.01	74	0.00	74	0.00
<b>16</b>	4,980	6.0	74	0.00	74	0.01	74	0.00	74	0.00	74	0.00
<b>17</b>	1,720	0.64	74	0.00	74	0.02	74	0.00	74	0.00	74	0.00
<b>18</b>	74	0.01	74	0.01	74	0.02	74	0.01	74	0.00	74	0.00
<b>19</b>	74	0.00	74	0.01	74	0.02	74	0.01	74	0.00	74	0.00
<b>20</b>	74	0.00	74	0.01	74	0.02	74	0.00	74	0.00	74	0.00
<b>21</b>	74	0.03	74	0.02	74	0.01	74	0.01	74	0.00	74	0.00
<b>22</b>	74	0.01	74	0.02	74	0.01	74	0.00	74	0.00	74	0.00
<b>23</b>	74	0.00	74	0.01	74	0.02	74	0.00	74	0.00	74	0.00
<b>24</b>	74	0.00	74	0.00	74	0.02	74	0.00	74	0.00	74	0.00
<b>25</b>	74	0.00	74	0.01	74	0.02	74	0.00	74	0.00	74	0.00
<b>26</b>	74	0.00	74	0.01	74	0.02	74	0.00	74	0.00	74	0.00
<b>27</b>	74	0.00	74	0.01	74	0.02	74	0.00	74	0.00	74	0.00
<b>28</b>	74	0.00	74	0.00	74	0.02	74	0.00	74	0.00	74	0.00
<b>29</b>	74	0.00	74	0.01	74	0.02	74	0.00	---	---	74	0.00
<b>30</b>	74	0.00	74	0.01	74	0.02	74	0.00	---	---	74	0.00
<b>31</b>	74	0.00	---	---	74	0.01	74	0.00	---	---	74	0.00
<b>Total</b>	---	40,032.29	---	0.14	---	0.39	---	0.10	---	0.00	---	0.00

**08353000 RIO PUERCO NEAR BERNARDO, NM—Continued**
**SUSPENDED-SEDIMENT  
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006**

Day	Mean concentration (mg/L)	Sediment discharge (tons/day)										
<b>April</b>		<b>May</b>		<b>June</b>		<b>July</b>		<b>August</b>		<b>September</b>		
1	74	0.00	74	0.01	0.0	0.00	16,600	10	24,000	23,100	237	12
2	74	0.00	74	0.00	0.0	0.00	3,020	0.16	16,100	34,700	246	16
3	74	0.00	74	0.00	0.0	0.00	0.0	0.00	25,800	53,400	204	7.7
4	74	0.00	74	0.00	0.0	0.00	0.0	0.00	30,900	193,000	155	1.9
5	74	0.00	74	0.00	0.0	0.00	0.0	0.00	17,500	87,300	111	1.1
6	74	0.00	74	0.00	0.0	0.00	9,830	2,200	16,600	31,500	79	0.41
7	74	0.00	74	0.00	0.0	0.00	36,800	26,100	25,600	164,000	47	0.15
8	74	0.00	74	0.00	0.0	0.00	43,800	36,800	21,300	118,000	16	0.11
9	74	0.00	74	0.00	0.0	0.00	39,000	35,200	16,900	101,000	15,400	4,020
10	74	0.00	74	0.00	0.0	0.00	61,500	47,900	19,900	301,000	46,100	47,500
11	74	0.00	74	0.01	0.0	0.00	31,400	30,200	12,300	96,600	64,000	74,000
12	74	0.00	74	0.01	0.0	0.00	21,400	26,400	8,070	16,600	36,100	16,900
13	74	0.00	74	0.01	0.0	0.00	19,400	45,200	6,890	3,950	29,300	2,440
14	74	0.00	74	0.01	0.0	0.00	26,400	4,510	6,290	4,850	27,600	1,340
15	74	0.00	74	0.01	0.0	0.00	25,600	1,130	8,230	11,200	26,000	775
16	74	0.00	74	0.01	0.0	0.00	19,900	338	10,600	24,200	22,200	367
17	74	0.00	74	0.01	0.0	0.00	5,730	37	12,900	29,600	7,650	54
18	74	0.00	74	0.00	0.0	0.00	3,160	16	12,700	35,300	1,110	3.4
19	74	0.00	74	0.00	0.0	0.00	2,990	6.4	11,000	21,700	187	0.66
20	74	0.01	74	0.00	0.0	0.00	1,440	0.66	9,400	8,670	145	0.59
21	74	0.01	74	0.00	0.0	0.00	1,120	0.28	8,330	1,130	156	0.55
22	74	0.00	57	0.00	0.0	0.00	801	0.15	9,710	7,950	124	0.40
23	74	0.00	0.0	0.00	0.0	0.00	479	0.07	20,200	44,600	422	1.1
24	74	0.00	0.0	0.00	0.0	0.00	158	0.00	30,000	93,800	1,990	34
25	74	0.00	0.0	0.00	0.0	0.00	1,160	823	15,500	49,600	1,060	24
26	74	0.00	0.0	0.00	1,010	7.6	45,700	15,700	9,350	21,800	306	4.6
27	74	0.00	0.0	0.00	9,870	136	55,800	3,830	8,830	11,600	167	2.0
28	74	0.00	0.0	0.00	11,000	377	41,400	13,400	8,320	8,120	1,420	7.8
29	74	0.01	0.0	0.00	19,000	224	18,100	16,700	4,580	1,040	11,200	42
30	74	0.01	0.0	0.00	19,100	90	11,500	13,800	4,310	2,860	3,320	6.3
31	---	---	0.0	0.00	---	---	38,100	30,700	217	15	---	---
<b>Total---</b>	0.04	---	0.08	---	834.60	---	351,001.72	---	1,602,185	---	147,562.77	