

Water-Data Report 2007

08290000 RIO CHAMA NEAR CHAMITA, NM

Upper Rio Grande Basin
Rio Chama Subbasin

LOCATION.--Lat 36°04'24.8", long 106°06'42.1" referenced to North American Datum of 1983, Rio Arriba County, NM, Hydrologic Unit 13020102, in San Juan Pueblo Grant, near left downstream corner of bridge on U.S. Highway 285, 0.5 mi west of Chamita, 2.5 mi northwest of San Juan Pueblo, and at mile 2.8.

DRAINAGE AREA.-- 3,144 mi² of which 100 mi² probably is noncontributing.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1912 to current year. Monthly discharge only for some periods, published in WSP 1312. Published as "Chama River near Chamita" prior to 1928, and "Chama River at Chamita" 1929-30.

REVISED RECORDS.--WSP 1512: 1913-15, 1934, 1936. WSP 1632: 1929(M). WSP 1732: 1931(M). WSP 1923: drainage area.

GAGE.--Water-stage recorder with satellite telemetry. Concrete control since Jan. 1, 1964. Datum of gage is 5,653.61 ft above NGVD of 1929. Prior to Oct. 4, 1933, at railroad bridge 2.3 mi downstream at different datums. Oct. 4, 1933, to Mar. 1, 1942, at site 50 ft downstream at datum 0.22 ft higher. Mar. 2, 1942, to Dec. 31, 1963, at site 200 ft downstream, present datum.

REMARKS.--Water-discharge records fair except for those estimated, which are poor. Diversions upstream from station for irrigation of about 27,600 acres. Chamita ditch (station 08289500), on left bank, and Hernandez ditch (station 08289800), on right bank, bypass gage for irrigation of several hundred acres downstream from station. Flow regulated by El Vado Reservoir (station 08285000), 74.9 mi upstream, since Jan. 1935 and Abiquiu Reservoir (station 08286900), 29.3 mi upstream, since Feb. 1963. Since May 1971 flow affected by release of transmountain water from Heron Reservoir (station 08284510) 83.0 mi upstream. No flow at times some years.

EXTREMES OUTSIDE PERIOD OF RECORD.--The floods of Sept. 29, 1904, and Oct. 4 or 5, 1911, probably exceeded 15,000 ft³/s. Another major flood occurred in 1884, from newspaper accounts.

08290000 RIO CHAMA NEAR CHAMITA, 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	170	205	230	e71	e77	83	302	354	891	676	392	424
2	155	221	227	e72	e75	91	305	446	859	738	368	490
3	143	280	230	e73	e76	98	339	583	856	662	286	360
4	147	342	234	e68	e78	97	348	823	829	646	231	337
5	149	564	227	e61	e79	94	363	1,200	703	661	273	202
6	142	540	224	e61	74	98	403	1,530	702	630	306	122
7	153	519	222	e59	79	95	501	1,490	671	585	368	177
8	175	431	205	e58	86	92	431	1,680	568	522	248	278
9	206	246	204	e61	87	96	375	884	547	394	195	388
10	386	242	204	e65	86	145	393	1,290	384	382	149	483
11	459	239	210	e75	89	174	418	1,540	340	511	153	411
12	441	217	213	e78	98	174	364	1,490	362	549	271	356
13	120	215	216	e77	86	190	359	1,490	436	689	327	304
14	65	221	210	e73	84	202	344	1,630	522	717	305	293
15	76	190	211	e66	83	210	331	1,690	512	756	311	302
16	73	187	215	e69	93	233	342	1,750	471	628	399	472
17	75	193	214	e72	94	267	384	1,790	475	509	494	532
18	74	190	218	e71	98	289	390	1,980	436	439	500	502
19	76	190	228	e75	101	358	384	1,870	344	460	523	371
20	86	195	219	e67	102	386	351	1,920	237	564	530	346
21	92	214	e130	e67	93	362	355	1,680	203	582	602	244
22	82	240	e110	e66	95	353	292	1,600	300	564	653	127
23	e70	240	e68	e66	93	377	262	1,580	469	511	692	157
24	e65	240	e63	e66	91	403	259	1,580	522	393	725	121
25	e55	232	e68	e65	92	335	260	1,570	648	298	603	112
26	e115	237	e69	e67	88	311	268	1,570	757	505	501	92
27	e195	233	e70	e68	88	283	249	1,570	740	241	430	87
28	e195	233	e73	e70	88	312	275	1,590	615	149	332	97
29	e190	242	e74	e74	---	262	322	1,450	596	164	336	105
30	e190	233	e73	e80	---	230	356	1,220	602	323	402	96
31	195	---	e72	82	---	303	---	1,010	---	394	340	---
Total	4,815	7,971	5,231	2,143	2,453	7,003	10,325	43,850	16,597	15,842	12,245	8,388
Mean	155	266	169	69.1	87.6	226	344	1,415	553	511	395	280
Max	459	564	234	82	102	403	501	1,980	891	756	725	532
Min	55	187	63	58	74	83	249	354	203	149	149	87
Ac-ft	9,550	15,810	10,380	4,250	4,870	13,890	20,480	86,980	32,920	31,420	24,290	16,640

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1971 - 2007, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	296	280	293	197	246	424	1,026	1,478	1,020	607	482	427
Max	1,273	1,224	1,291	876	1,677	1,705	2,534	2,741	2,346	1,477	1,114	1,164
(WY)	(1988)	(1980)	(1976)	(1986)	(1987)	(1987)	(1985)	(1983)	(1984)	(1983)	(2000)	(1987)
Min	37.3	51.4	63.4	63.5	56.1	85.1	120	204	117	170	95.5	83.1
(WY)	(1979)	(2002)	(2003)	(1975)	(2002)	(1977)	(1977)	(1972)	(1976)	(1972)	(1979)	(1974)

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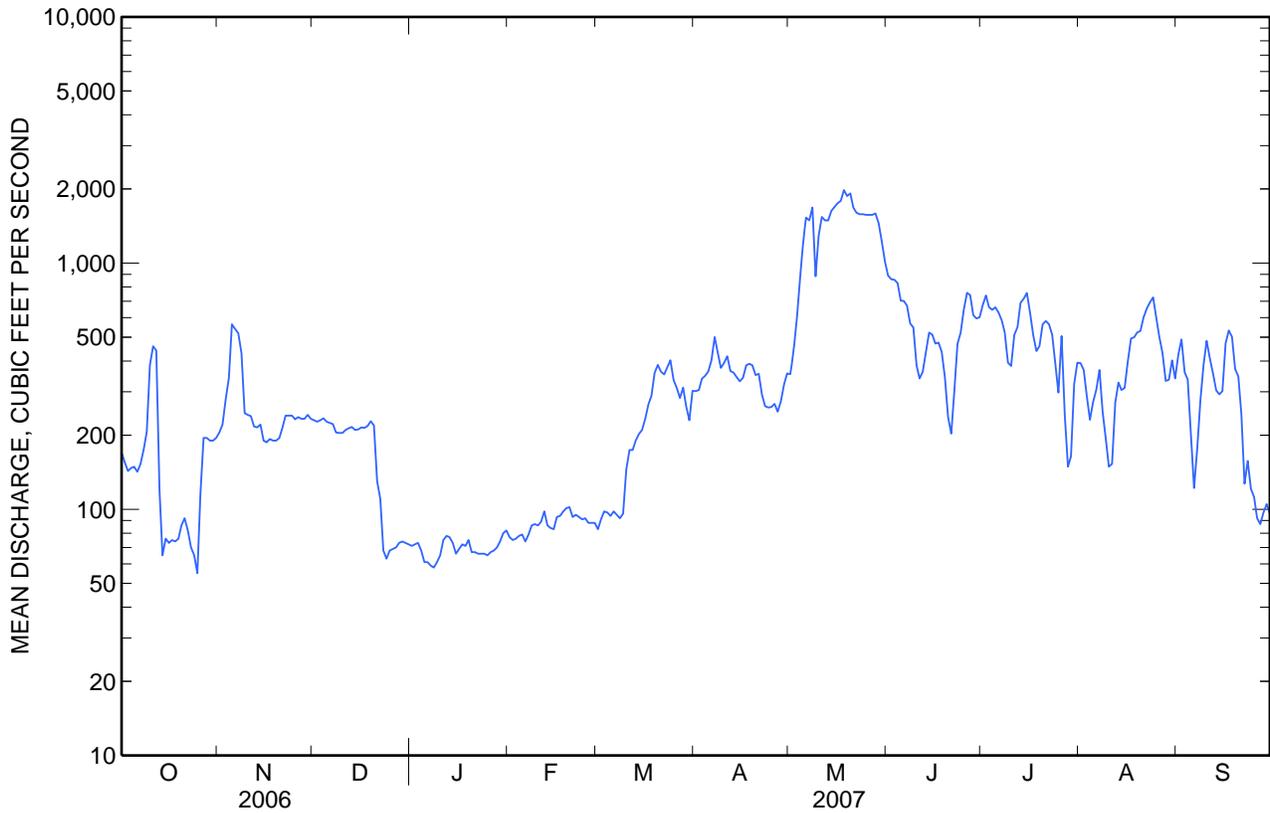
SUMMARY STATISTICS

	Calendar Year 2006		Water Year 2007		Water Years 1971 - 2007	
Annual total	121,228		136,863			
Annual mean	332		375		^a 566	
Highest annual mean					923	1987
Lowest annual mean					234	1972
Highest daily mean	1,120	Jun 18	1,980	May 18	3,570	May 5, 1985
Lowest daily mean	38	Jan 14	55	Oct 25	1.2	Sep 16, 1971
Annual seven-day minimum	38	Jan 13	62	Jan 4	1.7	Sep 10, 1971
Maximum peak flow			2,170	Jul 26	^b 15,000	May 22, 1920
Maximum peak stage			6.00	Jul 26	^c 11.68	Sep 1, 1994
Instantaneous low flow			23	Oct 15	1.2	Sep 16, 1971
Annual runoff (ac-ft)	240,500		271,500		409,900	
10 percent exceeds	808		730		1,580	
50 percent exceeds	216		249		315	
90 percent exceeds	57		73		74	

^a Average discharge for 58 years (water years 1913-70), 541 ft³/s, 392,000 acre-ft/yr, prior to release of transmountain water.

^b From rating curve extended above 2,000 ft³/s.

^c From floodmarks of slope-area measurement of peak flow.



08290000 RIO CHAMA NEAR CHAMITA, NM—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1948 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1963 to December 1974, December 2004 to current year. WATER TEMPERATURE: January 1950 to December 1974, December 2004 to current year.

INSTRUMENTATION.--Hourly specific conductance and thermistor data logged since December 2004.

REMARKS.--Daily values from October 1950 to December 1974 furnished by the Army Corps of Engineers, Albuquerque District. Interruptions in the record were due to malfunctions of the instrument.

Temperature and specific conductance readings were taken on January 11, at locations upstream, downstream, and instream from the probe. Data showed no variability in temperature but as much as 75 microsiemens variability in specific conductance. The variability in specific conductance was mostly in areas of high flow.

Sediment continued to be a problem for the probe until April 19th when a baffle was installed around the probe housing. Since its installation, the baffle structure has been successful in preventing sand from causing probe fouling and reducing the variability in specific conductance reading.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 1,010 microsiemens, July 25, 1970; minimum daily, 167 microsiemens, May 24, 2005. WATER TEMPERATURE: Maximum daily, 36.0 °C, August 19, 1974; minimum daily, freezing point many days during winter months.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum daily, 515 microsiemens, Jan. 8; minimum daily, 235 microsiemens, May 3. WATER TEMPERATURE: Maximum daily, 22.0 °C, Aug. 4; minimum daily, 0.1 °C during several days in Jan.

WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Part 1 of 5

[Remark codes: <, less than; E, estimated.]

Date	Time	Instan- taneous dis- charge, cfs (00061)	Turbdty white light, det ang 90+/-30 degrees NTU (63675)	Baro- metric pres- sure, mm Hg (00025)	Dis- solved oxygen, mg/L (00300)	Dis- solved oxygen, percent of sat- uration (00301)	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)	Calcium water, fltrd, mg/L (00915)	Magnes- ium, water, fltrd, mg/L (00925)
Nov 28...	0910	233	22	620	10.2	98	8.4	368	8.0	5.0	150	45.9	7.55
May 01...	0845	370	--	624	8.6	98	8.1	241	18.0	12.0	91	27.8	5.05
Aug 14...	0900	307	--	631	7.6	97	8.1	320	21.0	18.0	120	36.9	6.17
Sep 13...	1045	307	--	624	8.0	97	8.0	326	18.0	15.0	--	--	--

08290000 RIO CHAMA NEAR CHAMITA, NM—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Part 2 of 5

[Remark codes: <, less than; E, estimated.]

Date	Potas- sium, water, fltrd, mg/L (00935)	Sodium adsorp- tion ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Alka- linity, wat flt fxd end lab, mg/L as CaCO3 (29801)	Alka- linity, wat flt inc tit field, mg/L as CaCO3 (39086)	Bicar- bonate, wat flt incrm. titr., field, mg/L (00453)	Carbon- ate, wat flt incrm. 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)	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of consti- tuents mg/L (70301)	Residue on evap. at 180degC wat flt mg/L (70300)
Nov 28...	2.52	.7	19.3	111	108	130	1	5.78	.20	13.6	69.4	230	243
May 01...	2.01	.7	14.7	81	77	93	--	5.20	.19	15.0	35.3	151	169
Aug 14...	1.47	.6	15.2	102	101	120	--	3.57	.18	12.3	59.2	195	215
Sep 13...	--	--	--	--	--	--	--	--	--	--	--	--	--

WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Part 3 of 5

[Remark codes: <, less than; E, estimated.]

Date	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 (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)	Ortho- phos- phate, water, fltrd, mg/L as P (00671)	Phos- phorus, water, fltrd, mg/L (00666)	Phos- phorus, water, unfltrd mg/L (00665)	Organic carbon, water, fltrd, mg/L (00681)	E coli, m-TEC MF, water, col/ 100 mL (31633)	Fecal coli- form, M-FC 0.7u MF col/ 100 mL (31625)	Alum- inum, water, fltrd, µg/L (01106)
Nov 28...	.15	.61	.070	E.080	<.06	<.002	E.006	<.006	.107	3.2	<1	<1	2.5
May 01...	.37	.41	<.020	--	<.06	<.002	.011	.019	.43	6.9	220	<1	5.7
Aug 14...	.32	.42	<.020	--	<.06	<.002	.007	.008	.193	8.5	200	E6,000	2.6
Sep 13...	--	--	--	--	--	--	--	--	--	--	--	--	--

08290000 RIO CHAMA NEAR CHAMITA, NM—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Part 4 of 5

[Remark codes: <, less than; E, estimated.]

Date	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)	Lithium water, fltrd, µg/L (01130)	Mangan- ese, water, fltrd, µg/L (01056)
Nov 28...	.09	1.7	58	<.06	33	<.04	E.07	E.03	.56	<6	<.12	26.2	1.7
May 01...	.09	1.8	50	<.06	28	<.04	.14	.06	.70	21	<.12	24.9	2.4
Aug 14...	.11	2.0	65	<.06	24	<.04	<.12	.10	1.1	E4	E.06	14.7	3.2
Sep 13...	--	--	--	--	--	--	--	--	--	--	--	--	--

WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Part 5 of 5

[Remark codes: <, less than; E, estimated.]

Date	Mercury water, fltrd, µg/L (71890)	Mercury water, unfltrd 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, unfltrd µg/L (01147)	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)	Uranium natural water, fltrd, µg/L (22703)	Suspd. sedi- ment, sieve diametr percent <.063mm (70331)	Sus- pended sedi- ment concen- tration mg/L (80154)
Nov 28...	<.010	<.010	1.2	.49	.25	.30	<.1	382	2.6	1.1	1.36	6	664
May 01...	.010	.015	.8	.61	.21	.37	<.1	228	1.7	3.0	1.43	6	1,390
Aug 14...	.014	.016	1.3	.75	.24	.28	<.1	288	2.6	1.2	1.05	10	113
Sep 13...	--	--	--	--	--	--	--	--	--	--	--	--	--

08290000 RIO CHAMA NEAR CHAMITA, NM—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	19.2	10.6	14.7	---	---	---	4.9	0.0	2.1	---	---	---
2	18.7	11.3	14.7	---	---	---	5.2	0.6	2.6	---	---	---
3	20.4	11.9	15.7	---	---	---	4.8	0.0	2.3	1.0	0.0	0.1
4	20.7	13.3	16.5	---	---	---	5.1	0.0	2.1	1.4	0.0	0.4
5	20.0	14.3	16.7	---	---	---	5.7	0.2	2.6	5.0	0.0	1.5
6	20.2	14.6	17.1	---	---	---	6.5	1.4	3.5	4.1	0.0	1.3
7	19.6	14.6	16.4	---	---	---	5.8	1.1	3.2	2.1	0.0	0.5
8	16.1	13.2	14.9	---	---	---	5.9	0.8	3.1	2.4	0.0	0.6
9	14.7	12.1	13.2	---	---	---	5.5	0.7	3.0	2.5	0.0	0.6
10	16.8	11.3	13.8	---	---	---	5.4	1.0	3.2	1.8	0.0	0.6
11	16.9	11.3	14.1	---	---	---	5.8	2.9	4.1	5.6	0.0	2.1
12	17.3	11.4	14.2	---	---	---	5.4	1.0	3.2	5.7	1.1	3.0
13	18.2	9.6	13.7	---	---	---	6.0	1.5	3.6	5.5	1.7	3.5
14	17.0	9.6	12.7	---	---	---	6.0	2.3	4.0	4.4	0.0	2.1
15	18.6	11.4	14.2	8.2	2.2	5.1	6.4	2.3	4.1	1.5	0.0	0.2
16	16.8	9.3	13.0	9.4	2.8	5.8	5.3	1.6	3.5	2.0	0.0	0.2
17	15.2	9.1	11.8	9.9	3.7	6.6	6.5	2.3	4.2	0.8	0.0	0.1
18	14.5	8.0	10.7	10.4	4.1	6.9	5.8	3.3	4.5	0.6	0.0	0.1
19	14.1	5.4	9.6	10.3	4.3	7.0	4.9	2.9	4.2	1.0	0.0	0.1
20	15.1	5.6	10.1	9.8	3.8	6.5	3.0	1.5	2.5	0.7	0.0	0.2
21	14.7	6.5	10.3	9.4	3.7	6.3	3.9	0.0	1.4	2.7	0.0	1.0
22	14.2	5.1	9.3	9.6	3.7	6.4	3.3	0.0	1.1	3.4	0.0	0.8
23	14.5	4.6	9.4	9.3	4.0	6.4	3.5	0.0	1.1	2.6	0.0	0.7
24	11.7	6.7	9.1	6.9	3.9	5.5	---	---	---	3.9	0.0	1.1
25	12.8	6.4	9.1	9.6	4.6	6.8	---	---	---	5.0	0.0	1.5
26	11.3	5.5	8.3	9.2	4.5	6.4	---	---	---	5.3	0.0	1.7
27	12.0	3.6	7.4	8.0	3.8	5.7	3.3	0.0	1.2	5.0	0.0	1.6
28	14.5	6.0	9.7	7.4	4.9	5.8	3.9	0.7	2.1	6.3	0.0	2.2
29	13.0	6.8	9.7	5.6	2.5	4.6	3.8	0.0	2.0	7.6	0.0	3.0
30	13.3	6.3	9.4	4.7	0.1	2.2	2.3	0.0	0.7	5.3	0.0	1.8
31	---	---	---	---	---	---	4.1	0.0	1.1	4.7	0.5	2.2
Month	---	---	---	---	---	---	---	---	---	---	---	---

08290000 RIO CHAMA NEAR CHAMITA, NM—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	4.5	0.0	1.7	8.4	0.0	3.2	14.6	5.8	9.9	17.9	11.6	14.9
2	3.3	0.0	0.7	8.3	0.0	3.0	14.9	6.9	10.8	15.3	12.3	13.8
3	4.0	0.0	1.1	8.7	0.0	3.2	15.1	7.6	11.1	16.8	9.8	13.1
4	6.2	0.0	2.1	10.7	0.0	4.2	15.3	7.3	11.3	14.4	10.0	12.5
5	8.7	0.0	3.4	11.5	0.0	5.6	15.3	7.5	11.4	12.0	8.2	10.3
6	9.7	0.0	4.3	14.4	2.0	7.8	12.8	8.2	10.4	11.5	7.7	9.6
7	10.1	0.9	5.1	15.2	3.8	9.1	9.1	5.9	7.3	14.3	7.8	10.8
8	10.5	1.4	5.4	12.1	4.9	8.1	11.1	5.7	8.0	12.8	8.7	10.7
9	8.5	1.9	5.1	15.7	3.4	9.1	12.7	7.5	9.9	15.4	8.9	12.1
10	10.4	2.8	6.4	10.3	5.0	7.7	12.8	8.1	10.1	15.6	9.1	12.3
11	8.4	4.2	6.1	14.6	4.5	9.0	10.6	4.9	7.8	15.4	9.4	12.3
12	11.6	4.8	7.3	14.7	4.5	9.4	12.0	6.3	9.0	15.3	9.5	12.3
13	9.0	2.7	5.0	16.2	6.0	10.7	9.8	5.4	7.9	14.0	9.7	11.9
14	7.4	0.6	3.4	15.9	6.7	11.1	13.9	3.7	8.5	12.7	10.1	11.4
15	8.8	0.0	3.5	16.0	6.1	10.8	15.4	7.5	11.3	13.0	9.5	11.3
16	9.2	0.0	4.1	15.2	6.5	10.6	13.7	8.3	11.1	14.8	9.5	11.9
17	---	---	---	15.5	5.6	10.4	15.6	8.1	11.6	13.9	9.8	11.8
18	7.3	1.2	4.4	14.2	5.8	9.9	15.3	8.1	11.9	15.5	9.8	12.4
19	8.1	2.3	5.2	12.2	6.1	9.3	15.7	8.2	11.9	14.4	9.9	12.1
20	10.9	3.8	6.6	14.5	6.3	10.2	15.2	7.5	11.4	14.0	10.1	12.0
21	12.4	1.9	6.6	12.1	7.1	9.5	12.4	8.6	10.5	15.5	10.5	12.8
22	8.9	2.1	5.4	12.9	8.1	10.2	14.0	6.2	10.1	15.2	9.8	12.4
23	8.3	1.4	4.7	9.7	7.2	8.4	16.3	9.3	12.2	12.7	9.6	11.3
24	8.7	0.2	3.9	9.2	5.8	7.1	12.2	8.5	10.2	15.2	9.2	12.0
25	8.8	0.0	3.9	14.1	4.4	8.8	16.4	6.9	11.5	13.8	10.4	12.0
26	11.9	1.3	6.1	15.9	6.7	11.0	15.7	9.4	12.5	16.0	9.8	12.7
27	12.8	1.8	6.8	16.0	8.5	11.8	18.8	9.0	13.8	14.8	10.2	12.6
28	11.1	2.8	6.1	12.2	7.0	9.3	17.8	11.8	14.9	15.8	10.1	12.9
29	---	---	---	9.7	4.0	6.5	19.0	11.0	15.0	16.0	9.9	12.9
30	---	---	---	10.4	3.3	6.6	18.2	12.3	15.0	15.8	9.7	12.9
31	---	---	---	12.7	4.1	8.1	---	---	---	15.1	9.4	12.7
Month	---	---	---	16.2	0.0	8.4	19.0	3.7	10.9	17.9	7.7	12.2

08290000 RIO CHAMA NEAR CHAMITA, NM—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	16.9	10.0	13.7	19.8	13.6	17.0	23.1	17.5	20.1	21.9	16.9	19.1
2	17.1	10.6	14.1	18.3	13.9	16.5	23.5	18.3	20.6	21.4	16.0	18.7
3	15.4	10.8	13.7	19.7	13.4	16.8	24.4	19.1	21.5	22.5	16.7	19.3
4	15.8	10.8	13.6	19.0	14.8	17.1	24.9	19.0	22.0	22.4	16.6	19.4
5	17.8	11.5	14.6	19.3	13.5	16.6	25.2	19.2	21.7	23.0	17.6	20.3
6	17.1	11.9	14.5	19.4	13.9	16.9	23.8	18.8	21.0	22.4	17.8	20.0
7	16.0	10.1	13.3	20.1	14.4	17.5	22.6	17.6	19.8	23.9	16.2	19.7
8	17.1	10.7	14.0	19.3	14.1	17.1	25.2	16.4	20.4	22.5	16.7	19.7
9	17.4	13.6	15.3	21.0	15.7	18.2	26.4	17.8	21.9	19.7	16.9	18.1
10	18.8	12.7	16.0	21.4	17.0	18.9	25.1	18.0	21.5	20.9	15.9	18.2
11	20.9	14.5	17.2	19.8	15.1	17.6	26.1	18.0	21.8	20.1	15.5	17.9
12	19.9	14.9	17.0	20.8	15.4	17.9	24.0	18.4	21.4	19.9	16.1	18.1
13	19.1	15.0	17.1	19.5	14.5	17.2	23.5	18.0	20.6	21.3	14.8	17.9
14	19.2	12.5	16.0	19.3	13.5	16.6	23.8	17.7	20.6	20.7	15.0	17.9
15	19.9	14.4	17.3	18.5	14.2	16.8	24.0	17.7	20.4	21.4	16.3	18.5
16	20.3	15.3	17.5	20.2	14.4	17.5	22.2	17.2	19.6	20.2	15.7	17.8
17	20.3	14.2	17.3	20.7	15.6	18.4	21.9	15.4	18.9	17.9	15.6	16.9
18	20.3	14.3	17.3	21.8	17.5	19.7	21.9	16.7	19.3	19.9	14.8	17.2
19	22.0	14.8	18.3	20.5	17.2	18.9	20.7	15.5	18.4	19.7	14.5	17.1
20	24.7	15.9	20.1	20.3	15.5	18.0	21.8	15.5	18.8	18.8	16.7	17.3
21	23.9	17.2	20.7	20.6	15.4	18.1	21.1	14.7	18.2	22.7	15.6	18.8
22	22.7	16.4	19.5	21.1	15.4	18.4	20.6	14.4	17.6	23.7	15.9	19.5
23	20.4	14.2	17.4	20.4	16.4	18.8	21.1	15.1	18.1	22.0	16.2	18.4
24	20.4	14.7	17.5	22.7	17.6	19.9	20.5	15.3	18.1	21.7	14.7	17.8
25	19.2	13.0	16.5	23.9	18.5	20.8	21.1	14.8	18.2	20.7	12.3	16.4
26	18.8	12.1	15.8	23.9	13.4	19.6	19.3	16.0	18.1	20.8	12.3	16.3
27	17.2	12.8	15.5	24.1	13.4	19.2	20.3	15.3	17.9	20.4	11.5	15.8
28	18.4	13.5	16.1	24.8	18.4	21.8	22.7	16.6	19.4	17.2	12.8	15.1
29	18.7	13.0	16.2	25.1	19.4	21.8	22.1	17.9	19.9	19.6	13.7	16.0
30	19.9	13.9	17.1	23.2	18.8	20.8	22.5	16.5	19.4	19.0	11.1	14.9
31	---	---	---	23.1	18.1	20.3	22.1	18.0	19.7	---	---	---
Month	24.7	10.0	16.3	25.1	13.4	18.4	26.4	14.4	19.8	23.9	11.1	17.9

08290000 RIO CHAMA NEAR CHAMITA, NM—Continued

**SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007**

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	394	386	390	---	---	---	---	---	---	474	445	460
2	394	386	390	---	---	---	---	---	---	---	---	---
3	397	389	393	---	---	---	---	---	---	516	447	487
4	402	385	395	---	---	---	---	---	---	538	430	478
5	390	381	385	---	---	---	---	---	---	483	456	472
6	392	376	384	---	---	---	---	---	---	495	470	479
7	383	374	377	---	---	---	---	---	---	510	457	483
8	425	380	390	---	---	---	---	---	---	555	482	515
9	407	378	393	---	---	---	---	---	---	558	455	491
10	378	356	367	---	---	---	---	---	---	522	450	480
11	356	349	352	---	---	---	---	---	---	499	456	476
12	---	---	---	---	---	---	---	---	---	481	463	473
13	---	---	---	---	---	---	---	---	---	494	480	488
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	480	449	460
22	---	---	---	---	---	---	---	---	---	503	427	464
23	---	---	---	---	---	---	---	---	---	525	424	478
24	---	---	---	---	---	---	---	---	---	524	431	474
25	---	---	---	---	---	---	---	---	---	491	424	463
26	---	---	---	---	---	---	513	431	474	503	435	471
27	---	---	---	---	---	---	509	441	482	516	447	485
28	---	---	---	---	---	---	502	467	477	545	460	506
29	---	---	---	---	---	---	502	448	460	540	483	508
30	---	---	---	---	---	---	457	413	439	538	467	506
31	---	---	---	---	---	---	470	424	447	556	467	499
Month	---	---	---	---	---	---	---	---	---	---	---	---

08290000 RIO CHAMA NEAR CHAMITA, NM—Continued

**SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007**

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	---	---	---	---	---	---	---	---	---	262	234	245
2	---	---	---	---	---	---	---	---	---	259	233	247
3	---	---	---	---	---	---	---	---	---	268	222	235
4	---	---	---	---	---	---	---	---	---	289	248	266
5	---	---	---	---	---	---	---	---	---	311	289	298
6	---	---	---	---	---	---	---	---	---	319	308	313
7	---	---	---	---	---	---	---	---	---	332	318	324
8	---	---	---	---	---	---	---	---	---	332	318	325
9	---	---	---	---	---	---	---	---	---	325	292	317
10	---	---	---	---	---	---	---	---	---	323	272	302
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	275	256	263	---	---	---
21	---	---	---	---	---	---	275	241	258	---	---	---
22	---	---	---	---	---	---	298	263	279	---	---	---
23	---	---	---	---	---	---	301	277	289	---	---	---
24	---	---	---	---	---	---	299	279	289	---	---	---
25	---	---	---	---	---	---	299	279	291	---	---	---
26	---	---	---	---	---	---	303	274	289	---	---	---
27	---	---	---	---	---	---	302	278	291	---	---	---
28	---	---	---	---	---	---	304	248	276	---	---	---
29	---	---	---	---	---	---	271	239	256	---	---	---
30	---	---	---	---	---	---	268	238	253	---	---	---
31	---	---	---	---	---	---	---	---	---	325	321	323
Month	---	---	---	---	---	---	---	---	---	---	---	---

08290000 RIO CHAMA NEAR CHAMITA, NM—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	329	320	325	293	288	292	---	---	---	323	277	316
2	324	318	322	290	287	289	---	---	---	331	270	307
3	322	316	319	290	287	289	---	---	---	323	314	320
4	320	315	318	299	278	289	---	---	---	324	314	320
5	330	320	326	305	290	293	---	---	---	348	320	335
6	326	320	323	292	287	290	---	---	---	378	348	361
7	329	317	322	292	288	290	---	---	---	378	358	366
8	332	326	329	293	290	291	---	---	---	358	341	348
9	335	324	327	299	292	297	---	---	---	---	---	---
10	354	335	347	304	292	300	---	---	---	---	---	---
11	352	341	346	294	288	292	---	---	---	---	---	---
12	344	337	340	297	288	292	---	---	---	---	---	---
13	339	330	334	292	288	290	---	---	---	---	---	---
14	330	323	327	301	288	292	338	326	331	---	---	---
15	324	320	321	292	289	290	333	318	328	---	---	---
16	321	317	319	304	289	296	327	312	321	---	---	---
17	320	316	318	298	294	296	316	309	313	---	---	---
18	321	316	318	303	296	301	314	308	312	---	---	---
19	328	321	326	303	294	300	314	306	311	---	---	---
20	356	327	345	298	294	296	314	307	310	---	---	---
21	354	347	352	297	288	294	---	---	---	---	---	---
22	347	313	336	298	293	296	---	---	---	---	---	---
23	313	306	308	301	295	299	---	---	---	---	---	---
24	307	302	306	309	300	306	---	---	---	---	---	---
25	302	299	300	319	307	315	---	---	---	---	---	---
26	299	296	298	---	---	---	---	---	---	---	---	---
27	297	293	295	---	---	---	---	---	---	---	---	---
28	297	294	296	---	---	---	---	---	---	---	---	---
29	300	294	298	---	---	---	328	316	324	---	---	---
30	297	292	295	---	---	---	321	313	317	---	---	---
31	---	---	---	---	---	---	326	318	323	---	---	---
Month	356	292	321	---	---	---	---	---	---	---	---	---