



Water-Data Report 2009

08276300 RIO PUEBLO DE TAOS BELOW LOS CORDOVAS, NM

Upper Rio Grande Basin
Upper Rio Grande Subbasin

LOCATION.--Lat 36°22'45.6", long 105°40'04.2" referenced to North American Datum of 1983, Taos County, NM, Hydrologic Unit 13020101, in Gijosa Grant, on left bank 1.9 mi southwest of Los Cordovas, 2.5 mi downstream from Rio Grande del Rancho, and at mile 5.1.

DRAINAGE AREA.--380 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--March 1957 to current year.

REVISED RECORDS.--WSP 1732: 1957(M). WSP 1923: 1957(P), 1958. WDR NM-81-1: 1979(P).

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 6,650 ft above NGVD of 1929, from topographic map. Prior to Sept. 4, 1984, at site 700 ft downstream at same datum.

REMARKS.--Records fair except for those estimated, which are poor. Diversions for irrigation of about 12,000 acres upstream from station, of which about 1,700 acres are irrigated by water from Rio Hondo.

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009
DAILY MEAN VALUES

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	12	25	32	40	42	51	53	180	72	34	26	7.2
2	12	25	33	40	41	53	48	184	73	29	26	6.5
3	12	26	34	40	44	55	48	196	77	28	24	5.7
4	13	27	33	41	45	58	46	192	67	31	22	7.6
5	24	28	34	40	46	64	47	210	62	32	20	8.5
6	20	27	33	e39	49	64	45	226	56	33	18	9.7
7	17	27	35	e39	49	63	44	236	53	38	18	9.6
8	16	28	36	e39	52	57	43	259	53	25	14	9.1
9	17	28	37	e40	54	59	43	260	50	e24	11	8.7
10	16	31	34	41	51	57	45	257	65	e22	11	8.0
11	18	31	34	e37	49	49	51	249	62	e22	10	8.7
12	21	30	36	e38	48	48	58	245	55	e22	10	34
13	20	30	40	e39	51	49	58	238	51	e20	10	13
14	25	29	38	e39	49	45	56	226	50	e20	14	12
15	27	27	30	e38	45	45	56	217	47	e19	16	11
16	23	27	37	e38	49	43	58	199	43	e18	12	14
17	22	31	38	e38	49	44	66	181	43	e17	10	17
18	21	31	41	39	46	48	70	157	42	e17	9.1	15
19	21	31	39	39	46	53	71	143	39	e17	9.4	17
20	21	30	e36	39	45	59	64	137	43	e16	8.6	15
21	21	30	35	e38	46	62	66	137	44	e26	7.2	18
22	22	29	38	39	47	66	86	136	39	41	5.2	16
23	23	28	39	40	51	68	102	139	39	30	4.5	16
24	24	29	e37	43	52	67	127	134	41	27	7.6	18
25	25	28	40	48	54	62	142	127	39	27	11	20
26	25	29	42	50	55	61	156	124	41	28	11	18
27	25	31	40	48	52	57	156	143	46	36	8.2	15
28	24	34	e39	40	50	55	150	119	40	34	8.2	15
29	23	34	39	36	---	60	164	103	40	35	7.4	15
30	23	33	39	40	---	55	169	89	36	34	7.0	16
31	23	---	41	40	---	50	---	80	---	33	7.8	---
Total	636	874	1,139	1,245	1,357	1,727	2,388	5,523	1,508	835	384.2	404.3
Mean	20.5	29.1	36.7	40.2	48.5	55.7	79.6	178	50.3	26.9	12.4	13.5
Max	27	34	42	50	55	68	169	260	77	41	26	34
Min	12	25	30	36	41	43	43	80	36	16	4.5	5.7
Ac-ft	1,260	1,730	2,260	2,470	2,690	3,430	4,740	10,950	2,990	1,660	762	802

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1957 - 2009, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	25.0	30.9	32.1	31.2	36.5	47.0	105	236	126	27.3	22.3	21.2
Max	74.9	71.9	56.8	48.4	60.3	113	440	1,063	708	169	97.9	67.5
(WY)	(1958)	(1958)	(1987)	(1995)	(1987)	(1995)	(1994)	(1994)	(1979)	(1995)	(1957)	(1993)
Min	4.85	9.68	6.32	6.15	9.11	19.8	8.32	4.10	2.69	1.84	2.03	3.71
(WY)	(2003)	(2003)	(2003)	(2003)	(2003)	(2002)	(1972)	(2002)	(2002)	(2003)	(2002)	(2002)

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SUMMARY STATISTICS

	Calendar Year 2008		Water Year 2009		Water Years 1957 - 2009	
Annual total	24,700		18,020.5			
Annual mean	67.5		49.4		61.2	
Highest annual mean					193	1994
Lowest annual mean					11.1	2002
Highest daily mean	422	May 22	260	May 9	1,940	May 20, 1994
Lowest daily mean	11	Sep 29	4.5	Aug 23	0.01	Aug 1, 2003
Annual seven-day minimum	12	Sep 27	7.0	Aug 29	0.01	Jul 31, 2003
Maximum peak flow			543	Sep 12	^a 2,380	Aug 24, 1957
Maximum peak stage			9.21	Sep 12	9.21	Sep 12, 2009
Instantaneous low flow			3.6	Aug 23	0.00	Jul 30, 2003
Annual runoff (ac-ft)	48,990		35,740		44,360	
10 percent exceeds	172		102		117	
50 percent exceeds	36		39		30	
90 percent exceeds	20		12		8.1	

^a From rating curve extended above 900 ft³/s.

