08246500 CONEJOS RIVER NEAR MOGOTE, CO

LOCATION.--Lat 37°03'14", long 106°11'13", in SE¼SE¼ sec.34, T.33 N., R.7 E., Conejos County, Hydrologic Unit 13010005, on left bank 75 ft downstream from bridge on State Highway 174, 0.4 mi downstream from Fox Creek, 5.3 mi west of Mogote, and 10 mi west of Antonito.

DRAINAGE AREA.--282 mi^2.

PERIOD OF RECORD.--April 1903 to October 1905, October 1911 to current year. Monthly discharge only for some periods, published in WSP 1312. Records for March 1900 at site 5.5 mi upstream and May 1905 to September 1911 (some missing periods most years) at site 3.2 mi upstream not equivalent to present site due to inflow. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=08246500

REVISED RECORDS.--WSP 898: 1911(M). WSP 1312: 1903-5 (monthly discharge and runoff).

GAGE.--Water-stage recorder with satellite telemetry. Datum of gage is 8,269.39 ft above NGVD of 1929, Colorado State Highway datum. Apr. 17, 1903 to Oct. 31, 1905, nonrecording gage 400 ft downstream at different datum. Oct. 5, 1911 to early 1915, nonrecording gage, and from early 1915 to Oct. 1, 1988, water-stage recorder at site 100 ft upstream at datum 2.15 ft higher.

REMARKS.--Records good except for estimated daily discharges, which are poor. Natural flow of stream affected by diversions for irrigation and return flows from irrigated areas. Some regulation by Platoro Reservoir (station 08244500) about 59 mi upstream since Nov. 7, 1951.

COOPERATION.--Records collected and computed by Colorado Division of Water Resources and reviewed by Geological Survey.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage of Oct. 5, 1911, is the greatest since at least 1854, from information obtained from local residents in 1959.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	85	59	e48	e41	e45	e43	223	403	897	513	180	83
2	88	86	e45	e43	e44	e45	279	385	930	467	168	78
3	112	121	e40	e40	e45	e47	305	441	1,170	394	190	76
4	128	111	e40	e37	e46	e50	274	573	1,440	315	183	94
5	131	107	e42	e31	e44	e47	262	727	1,640	286	162	122
6	125	84	e45	e29	e42	e46	279	955	1,670	317	148	159
7	114	72	e46	e33	e42	e50	270	1,110	1,560	295	169	164
8	106	67	e44	e40	e44	e56	233	1,260	1,460	264	172	102
9	91	62	e36	e40	e42	e62	228	1,240	1,410	243	190	76
10	88	62	e36	e40	e42	e74	245	1,290	1,290	231	162	74
11	86	61	e36	e40	e42	88	256	1,420	1,050	231	129	76
12	79	59	e37	e43	e38	105	241	1,440	801	225	128	80
13	81	63	e34	e40	e37	118	211	1,210	657	221	133	82
14	77	67	e38	e40	e40	125	222	920	788	215	123	72
15	74	59	e34	e43	e41	125	236	829	838	236	131	66
16	68	55	e31	e45	e41	121	279	947	736	237	118	67
17	61	63	e37	e42	e43	124	296	1,140	603	233	124	68
18	60	50	e43	e40	e45	141	303	1,220	524	221	127	68
19	60	50	e45	e39	e46	164	283	1,310	578	251	114	75
20	59	55	e48	e42	e44	192	275	1,370	592	289	111	483
21	59	59	e46	e37	e44	218	277	1,500	571	323	125	641
22	61	62	e42	e34	e42	263	265	1,420	564	256	129	669
23	59	31	e38	e36	e42	285	264	1,210	496	268	116	295
24	62	e35	e37	e37	e43	299	238	996	431	347	100	192
25	72	e44	e38	e38	e42	368	242	758	413	324	91	178
26	62	e40	e43	e29	e44	403	231	703	437	317	83	224
27	58	e38	e32	e33	e47	378	252	805	447	303	80	219
28	59	e38	e29	e37	e44	306	309	941	426	284	81	155
29	61	e41	e30	e39	e43	269	377	1,150	484	302	82	200
30	56	e46	e32	e44	---	261	415	1,130	557	279	81	248
31	50	---	e37	e47	---	215	---	995	---	231	81	---
TOTAL	2,432	1,847	1,209	1,199	1,244	5,088	8,070	31,798	25,460	8,918	4,011	5,186
MEAN	78.5	61.6	39.0	38.7	42.9	164	269	1,026	849	288	129	173
MAX	131	121	48	47	47	403	415	1,500	1,670	513	190	669
MIN	50	31	29	29	37	43	211	385	413	215	80	66
AC-FT	4,820	3,660	2,400	2,380	2,470	10,090	16,010	63,070	50,500	17,690	7,960	10,290

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1903 - 2004, BY WATER YEAR (WY)

MEAN	116	92.9	51.0	47.4	51.2	80.3	312	1,086	1,260	467	205	132
MAX	515	467	116	116	159	164	800	2,053	3,163	1,502	626	484
(WY)	(1905)	(1966)	(1987)	(1986)	(1983)	(2004)	(1936)	(1937)	(1920)	(1957)	(1952)	(1927)
MIN	34.7	29.9	25.1	22.7	30.0	41.0	138	282	118	37.1	17.1	26.8
(WY)	(1957)	(1931)	(2003)	(1918)	(1904)	(1904)	(1970)	(2002)	(1934)	(2002)	(2002)	(1956)

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1903 - 2004	
ANNUAL TOTAL	66,160		96,462			
ANNUAL MEAN	181		264		323	
HIGHEST ANNUAL MEAN					592	1920
LOWEST ANNUAL MEAN					80.6	2002
HIGHEST DAILY MEAN	1,500	May 29	1,670	Jun 6	4,490	Jun 5, 1905
LOWEST DAILY MEAN	e24	Feb 7	e29	Dec 28	a10	Jul 18, 1904
ANNUAL SEVEN-DAY MINIMUM	26	Feb 5	34	Dec 24	12	Aug 14, 2002
MAXIMUM PEAK FLOW			1,790	Jun 6	b9,000	Oct 5, 1911
MAXIMUM PEAK STAGE			4.93	Jun 6	c8.50	Oct 5, 1911
ANNUAL RUNOFF (AC-FT)	131,200		191,300		234,200	
10 PERCENT EXCEEDS	458		802		1,010	
50 PERCENT EXCEEDS	77		112		95	
90 PERCENT EXCEEDS	32		39		41	

e Estimated.
a Also occurred Aug 19, 2002.
b Present site and datum, from rating curve extended above 3,100 ft^3/s.
c From floodmarks.