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Water-Data Report 2007

**07218000 COYOTE CREEK NEAR GOLONDRINAS, NM**

Upper Canadian Basin  
Mora Subbasin

LOCATION.--Lat 35°54'59.48", long 105°09'50.70" referenced to North American Datum of 1983, Mora County, NM, Hydrologic Unit 11080004, in Mora Grant, on left bank 0.5 mi downstream from Coyote Creek damsite, 2.3 mi northeast of Golondrinas, and at mile 2.7.

DRAINAGE AREA.--215 mi<sup>2</sup>.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--April 1928 to September 1930 (monthly discharge only, published in WSP 1311), October 1930 to current year.

REVISED RECORDS.--WSP 1281: 1939-40(M), 1941-42, 1945-47. WSP 1511: drainage area.

GAGE.--Water-stage recorder with satellite telemetry and crest-stage gage. Elevation of gage is 6,780 ft above National Geodetic Vertical Datum of 1983, from topographic map. Prior to Apr. 26, 1938, at site 0.4 mi downstream at different datum (nonrecording gage prior to Apr. 20, 1929). Apr. 26, 1938 to Sept. 25, 1946, at site 139 ft downstream at same datum, June 7, 2000, at site 250 ft downstream at a 2.00-ft lower datum.

REMARKS.--Records fair except for those estimated, which are poor. Diversions (including off-channel storage) for irrigation of about 4,000 acres upstream from station. Several observations of water temperature were made during the year.

## Water-Data Report 2007

## 07218000 COYOTE CREEK NEAR GOLONDRINAS, NM—Continued

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

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	3.8	6.0	4.8	e4.2	e6.0	6.2	3.3	e4.5	6.7	2.9	3.5	2.4
2	3.8	6.0	4.7	e4.2	e6.4	6.4	3.1	e15	5.9	6.1	3.4	2.1
3	3.9	6.0	4.9	e4.3	e5.8	6.8	2.5	e26	6.1	5.8	3.7	2.0
4	4.0	6.0	5.1	e4.5	e5.4	7.3	1.3	e15	5.8	5.0	3.8	2.4
5	4.1	6.2	5.0	e4.6	e6.0	7.0	1.3	e8.5	6.0	5.1	4.0	2.6
6	4.1	8.5	4.8	e5.0	e8.0	4.8	1.1	e7.8	5.5	4.5	4.7	1.9
7	4.1	8.5	4.7	e5.2	e8.0	4.0	1.1	e5.0	4.4	4.2	4.9	2.0
8	6.3	8.0	e4.3	e5.8	e8.6	3.8	1.2	e4.8	4.0	4.2	3.6	2.1
9	6.6	7.2	e4.4	e5.5	e8.0	3.6	1.4	e4.2	4.4	4.0	3.8	2.2
10	6.5	5.5	e4.4	e5.7	7.3	3.4	1.4	e3.8	4.2	3.3	4.9	2.3
11	5.9	4.3	e4.3	&5.7	7.5	3.8	1.4	e3.6	4.1	3.8	4.8	2.2
12	5.4	4.8	e4.2	&5.3	7.4	6.2	1.9	e3.0	4.9	4.4	4.6	2.1
13	4.8	5.1	e4.2	&5.2	7.3	5.5	3.1	e2.8	4.7	4.4	4.9	2.1
14	5.1	5.1	e4.3	&5.5	6.8	7.6	3.9	e3.4	4.5	3.5	4.1	2.3
15	5.2	5.3	e4.4	&5.8	7.8	5.8	3.8	e3.8	4.9	3.0	3.1	2.0
16	5.6	5.4	e4.3	&6.2	6.8	5.1	4.0	e4.6	5.5	2.9	2.9	2.7
17	5.9	5.5	e4.0	&6.0	7.6	5.7	3.6	e5.6	5.1	3.4	2.2	3.2
18	6.0	5.7	e3.9	e6.3	7.5	6.0	5.2	e8.2	4.5	4.0	1.9	3.3
19	6.1	5.9	e4.2	e6.6	7.4	5.0	5.6	e12	3.3	4.0	2.5	3.2
20	6.1	5.7	e4.6	e6.7	6.8	4.0	e7.0	e16	3.4	3.4	2.2	3.5
21	5.9	5.8	e4.4	e6.9	6.0	3.4	e6.5	e22	3.4	3.1	2.0	3.6
22	5.8	5.8	e4.2	e7.5	6.0	3.3	e6.2	e18	3.3	3.0	2.1	3.1
23	6.1	5.8	e4.8	e8.2	5.7	4.3	e5.3	e14	3.5	3.5	2.0	3.1
24	6.9	5.2	e4.6	e7.6	5.5	4.9	e4.8	15	3.3	e4.0	2.0	3.1
25	6.9	4.9	e4.4	e7.7	6.2	4.6	e4.5	16	3.2	e2.8	1.8	3.1
26	7.0	4.9	e3.8	e6.7	5.8	3.7	e4.0	26	3.2	2.7	1.8	2.2
27	7.0	4.8	e4.3	e5.9	6.1	4.0	e3.5	21	3.1	2.7	2.0	1.9
28	7.1	4.8	e4.7	e5.7	6.1	5.3	e4.0	10	2.8	2.9	1.8	2.0
29	7.2	4.8	e4.2	e5.8	---	5.8	e3.5	8.8	2.8	3.5	2.0	2.1
30	6.6	4.7	e4.3	e5.8	---	5.5	e4.0	7.8	2.8	3.6	2.6	2.0
31	6.1	---	e4.4	e6.6	---	4.2	---	7.4	---	3.3	3.1	---
Total	175.9	172.2	137.6	182.7	189.8	157.0	103.5	323.6	129.3	117.0	96.7	74.8
Mean	5.67	5.74	4.44	5.89	6.78	5.06	3.45	10.4	4.31	3.77	3.12	2.49
Max	7.2	8.5	5.1	8.2	8.6	7.6	7.0	26	6.7	6.1	4.9	3.6
Min	3.8	4.3	3.8	4.2	5.4	3.3	1.1	2.8	2.8	2.7	1.8	1.9
Ac-ft	349	342	273	362	376	311	205	642	256	232	192	148

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1930 - 2007, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	8.86	8.70	7.87	7.52	7.78	9.27	19.6	30.8	15.5	8.57	16.5	11.1
Max	80.4	53.9	24.2	19.7	19.4	77.6	195	219	181	67.0	150	150
(WY)	(1942)	(1942)	(1942)	(1992)	(1985)	(1987)	(1987)	(1941)	(1995)	(1941)	(1991)	(1991)
Min	0.72	1.71	1.06	1.31	1.12	1.02	0.32	0.53	0.23	0.68	0.75	0.65
(WY)	(1957)	(1935)	(2004)	(2004)	(1955)	(1967)	(1978)	(1967)	(1940)	(2003)	(2002)	(1956)

**07218000 COYOTE CREEK NEAR GOLONDRINAS, NM—Continued****SUMMARY STATISTICS**

	<b>Calendar Year 2006</b>	<b>Water Year 2007</b>	<b>Water Years 1930 - 2007</b>
<b>Annual total</b>	1,938.48	1,860.1	
<b>Annual mean</b>	5.31	5.10	12.7
<b>Highest annual mean</b>			52.9
<b>Lowest annual mean</b>			1.34
<b>Highest daily mean</b>	142 Aug 22	26 May 3	1,290 Sep 10, 1991
<b>Lowest daily mean</b>	0.56 Feb 21	1.1 Apr 6	0.00 Aug 4, 1945
<b>Annual seven-day minimum</b>	0.66 Feb 20	1.3 Apr 4	0.10 Jul 20, 1939
<b>Maximum peak flow</b>		35 May 26	<sup>a</sup> 4,050 Aug 17, 1961
<b>Maximum peak stage</b>		3.46 May 26	<sup>b</sup> 10.10 Aug 30, 1936
<b>Instantaneous low flow</b>		0.97 Apr 6	0.00 Aug 4, 1945
<b>Annual runoff (ac-ft)</b>	3,840	3,690	9,190
<b>10 percent exceeds</b>	6.3	7.4	23
<b>50 percent exceeds</b>	2.9	4.7	5.4
<b>90 percent exceeds</b>	0.98	2.3	1.1

<sup>a</sup> From rating curve extended above 250 ft<sup>3</sup>/s, on basis of slope-area measurement at gage heights 5.54 ft, 7.74 ft, and 9.60 ft.

<sup>b</sup> Site and datum then in use.

