

Water-Data Report 2007

07214680 LA SIERRA DITCH NEAR HOLOMAN, NM

Upper Canadian Basin
Mora Subbasin

LOCATION.--Lat 36°03'00.96", long 105°27'16.47" referenced to North American Datum of 1983, Mora County, NM, Hydrologic Unit 11080004, in Mora Grant, 4 miles west northwest of Holoman and 5 miles south of Angostura in the Satna Fe National Forest.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--May 2003 to current year (seasonal records).

GAGE.--Water-stage recorder. Elevation 9,400 ft above National Geodetic Vertical Datum of 1983 (from topographic map).

REMARKS.--Records poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, during period of seasonal operation, 31 csf, May 24, 2005,gage height 4.81, mininum discharge 0.05 cfs Aug. 30, 2004.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, during period of seasonal operation, 18 cfs on Jun. 11, gage height 4.33, mininum discharge 0.56 cfs on Oct. 5.

07214680 LA SIERRA DITCH NEAR HOLOMAN, 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	1.2	---	---	---	---	---	---	---	15	9.4	7.3	2.6
2	1.2	---	---	---	---	---	---	---	15	8.8	6.1	2.9
3	0.96	---	---	---	---	---	---	---	15	8.7	6.5	2.1
4	1.2	---	---	---	---	---	---	---	15	7.8	6.3	2.0
5	0.91	---	---	---	---	---	---	---	15	8.0	5.9	1.8
6	0.73	---	---	---	---	---	---	---	15	8.0	5.5	1.4
7	0.86	---	---	---	---	---	---	---	15	7.6	7.0	1.6
8	1.2	---	---	---	---	---	---	---	15	7.1	6.2	1.5
9	1.1	---	---	---	---	---	---	---	15	7.3	5.2	1.5
10	e2.5	---	---	---	---	---	---	---	15	7.2	5.5	1.8
11	---	---	---	---	---	---	---	---	16	7.3	4.7	1.7
12	---	---	---	---	---	---	---	---	16	6.9	3.9	1.1
13	---	---	---	---	---	---	---	---	16	7.7	3.5	1.4
14	---	---	---	---	---	---	---	---	15	8.0	3.0	1.3
15	---	---	---	---	---	---	---	---	14	7.4	2.4	1.2
16	---	---	---	---	---	---	---	---	14	7.7	2.3	0.92
17	---	---	---	---	---	---	---	---	14	7.3	2.2	1.0
18	---	---	---	---	---	---	---	---	14	7.0	2.2	1.7
19	---	---	---	---	---	---	---	---	14	6.9	2.0	1.5
20	---	---	---	---	---	---	---	---	14	7.3	1.9	1.2
21	---	---	---	---	---	---	---	---	13	7.8	2.0	1.7
22	---	---	---	---	---	---	---	---	13	7.0	1.7	1.4
23	---	---	---	---	---	---	---	e14	13	6.4	1.8	1.4
24	---	---	---	---	---	---	---	e14	12	6.5	2.2	1.4
25	---	---	---	---	---	---	---	e14	12	6.1	1.9	1.3
26	---	---	---	---	---	---	---	e14	11	6.0	1.4	1.0
27	---	---	---	---	---	---	---	e15	11	6.0	1.6	1.1
28	---	---	---	---	---	---	---	e14	11	6.2	1.3	0.91
29	---	---	---	---	---	---	---	e14	11	6.3	1.2	1.2
30	---	---	---	---	---	---	---	e15	9.6	6.7	1.8	1.1
31	---	---	---	---	---	---	---	16	---	7.4	1.8	---
Total	---	---	---	---	---	---	---	---	413.6	225.8	108.3	44.73
Mean	---	---	---	---	---	---	---	---	13.8	7.28	3.49	1.49
Max	---	---	---	---	---	---	---	---	16	9.4	7.3	2.9
Min	---	---	---	---	---	---	---	---	9.6	6.0	1.2	0.91
Ac-ft	---	---	---	---	---	---	---	---	820	448	215	89

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2003 - 2007, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	---	---	---	---	---	---	---	11.8	8.35	2.97	1.59	1.35
Max	---	---	---	---	---	---	---	11.8	13.8	7.28	3.49	2.35
(WY)	(---)	(---)	(---)	(---)	(---)	(---)	(---)	(2004)	(2007)	(2007)	(2007)	(2003)
Min	---	---	---	---	---	---	---	11.8	1.75	0.90	0.36	0.27
(WY)	(---)	(---)	(---)	(---)	(---)	(---)	(---)	(2004)	(2006)	(2006)	(2005)	(2005)

07214680 LA SIERRA DITCH NEAR HOLOMAN, NM—Continued

SUMMARY STATISTICS

Water Years 2003 - 2007		
Highest daily mean	21	May 23, 2005
Lowest daily mean	0.07	Sep 3, 2005
Annual seven-day minimum	0.09	Sep 14, 2005
Maximum peak flow	31	May 24, 2005
Maximum peak stage	4.81	May 24, 2005
Instantaneous low flow	0.01	Sep 30, 2003

