09386900 RIO NUTRIA NEAR RAMAH, NM

Little Colorado Basin
Zuni Subbasin

LOCATION.--Lat 35°16′57″, long 108°33′09″ referenced to North American Datum of 1983, Mckinley County, NM, Hydrologic Unit 15020004, on Zuni Indian Reservation, on left bank at mouth of Nutria Canyon, 0.9 mi upstream from Nutria diversion dam, 1.3 mi northeast of Upper Nutria, and 10.4 mi northwest of Ramah.

DRAINAGE AREA.--71.4 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1969 to current year.

REVISED RECORDS.--WDR NM-78-1: 1977.

GAGE.--Water-stage recorder and concrete control. Concrete control raised 1.0 ft June 6, 1975. Control raised 2.35 ft June 28, 1984. Elevation of gage is 6,860 ft above NGVD of 1929, from topographic map.

REMARKS.--Records poor.

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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	e0.00	e0.00	e0.00	e0.01	e0.01	e0.00	e0.01	e0.03	e0.00	e0.00	e0.06	e0.00
2	e0.00	e0.00	e0.00	e0.01	e0.02	e0.00	e0.00	e0.02	e0.00	e0.00	e0.14	e0.02
3	e0.00	e0.00	e0.00	e0.01	e0.01	e0.00	e0.00	e0.02	e0.00	e0.00	e0.61	e0.00
4	e0.00	e0.00	e0.00	e0.01	e0.00	e0.00	e0.00	e0.02	e0.00	e0.00	e0.00	e0.00
5	e0.00	e0.00	e0.00	e0.01	e0.00	e0.52	e0.02	e0.02	e0.02	e0.00	e0.00	e1.0
6	e0.00	e0.00	e0.00	e0.01	e0.01	e1.0	e2.0	e0.02	e0.04	e0.00	e0.00	e0.44
7	e0.00	e0.00	e0.00	e0.01	e0.01	e6.3	e6.5	e0.02	e0.00	e0.00	e2.7	e0.00
8	e0.00	e0.00	e0.00	e0.00	e0.01	e11	e12	e0.02	e0.00	e0.00	e0.84	e0.00
9	e0.00	e0.00	e0.00	e0.00	e0.01	e9.5	e4.6	e0.02	e0.00	e0.00	e0.36	e0.00
10	e0.00	e0.00	e0.00	e0.00	e0.01	e6.2	e3.0	e0.02	e0.00	e0.00	e0.01	e0.00
11	e0.00	0.01	e0.00	e0.00	e0.03	e5.0	e10	e0.02	e0.00	e0.00	e0.00	e0.00
12	e0.00	e0.00	e0.00	e0.06	e6.0	e8.0	e12	e0.02	e0.00	e0.00	e0.61	e0.00
13	e0.00	e0.00	e0.00	e0.04	e12	e11	e0.05	e0.01	e0.00	e0.00	e2.1	e0.00
14	e0.00	e0.00	e0.00	e0.01	e4.9	e8.6	e0.05	e0.01	e0.00	e0.00	e1.1	e0.00
15	e0.00	e0.00	e0.00	e0.01	e2.6	e2.5	e0.72	e0.03	e0.00	e0.00	e0.10	e0.00
16	e0.00	e0.00	e0.00	e0.01	e0.09	e1.0	e0.56	e0.02	e0.00	e0.00	e0.00	e0.00
17	e0.00	e0.00	e0.00	e0.01	e0.01	e0.50	e0.36	e0.11	e0.00	e0.00	e0.00	e0.00
18	e0.00	e0.00	e0.00	e0.01	e0.01	e0.40	e0.01	e0.01	e0.00	e0.00	e0.00	e0.00
19	e0.00	e0.00	e0.00	e0.01	e0.01	e0.40	e0.01	e0.01	e0.00	e0.00	e0.00	e0.00
20	e0.00	e0.00	e0.00	e0.01	e0.01	e0.30	e0.00	e0.01	e0.00	e0.00	e0.00	e0.00
21	e0.00	e0.00	e0.01	e0.02	e0.00	e4.1	e0.03	e0.01	e0.00	e0.00	e0.00	e0.00
22	e0.00	e0.00	e0.01	e0.02	e0.00	e1.0	e0.02	e0.01	e0.00	e0.00	e0.00	e0.00
23	e0.00	e0.00	e0.01	e0.02	e0.00	e3.8	e0.03	e0.01	e0.00	e0.00	e0.00	e0.00
24	e0.00	e0.00	e0.01	e0.01	e0.00	e5.7	e0.04	e0.00	e0.00	2.2	e0.00	e0.00
25	e0.00	e0.00	e0.02	e0.01	e0.00	e6.6	e0.03	e0.00	e0.00	e0.50	e0.00	e0.00
26	e0.00	e0.00	e0.01	e0.01	e0.00	e2.5	e0.03	e0.00	e0.00	e0.02	e0.00	e0.00
27	e0.00	e0.00	e0.01	e0.01	e0.00	e0.50	e0.03	e0.00	e0.00	e0.00	e0.00	e0.00
28	e0.00	e0.00	e0.01	e0.01	e0.00	e0.02	e0.03	e0.00	e0.00	e0.00	e0.00	e0.00
29	e0.00	e0.00	e0.01	e0.01	---	e0.01	e0.02	e0.00	e0.00	e1.1	e0.00	e0.00
30	e0.00	e0.00	e0.01	e0.01	---	e0.01	e0.02	e0.00	e0.00	e0.05	e0.00	e0.00
31	e0.00	---	e0.01	e0.02	---	e0.01	---	e0.00	---	e0.00	e0.00	---
Total	0.00	0.01	0.12	0.39	25.75	96.47	52.17	0.49	0.06	3.87	8.63	1.46
Mean	0.00	0.00	0.00	0.01	0.92	3.11	1.74	0.02	0.00	0.12	0.28	0.05
Max	0.00	0.01	0.02	0.06	12	11	12	0.11	0.04	2.2	2.7	1.0
Min	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ac-ft	0.00	0.02	0.2	0.8	51	191	103	1.0	0.1	7.7	17	2.9

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1970 - 2007, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	0.42	0.68	0.67	0.94	5.31	29.9	26.2	2.70	0.27	0.52	1.60	0.57
Max	3.78	6.24	3.76	18.9	57.1	166	187	33.8	1.33	3.52	14.0	6.04
(WY)	(1999)	(1999)	(1984)	(1993)	(1995)	(1998)	(1973)	(1973)	(1973)	(1982)	(1997)	(1997)
Min	0.00	0.00	0.00	0.00	0.00	0.02	0.02	0.01	0.00	0.00	0.04	0.01
(WY)	(2006)	(2006)	(2006)	(2006)	(2006)	(2006)	(2006)	(2006)	(2005)	(2005)	(1971)	(2005)

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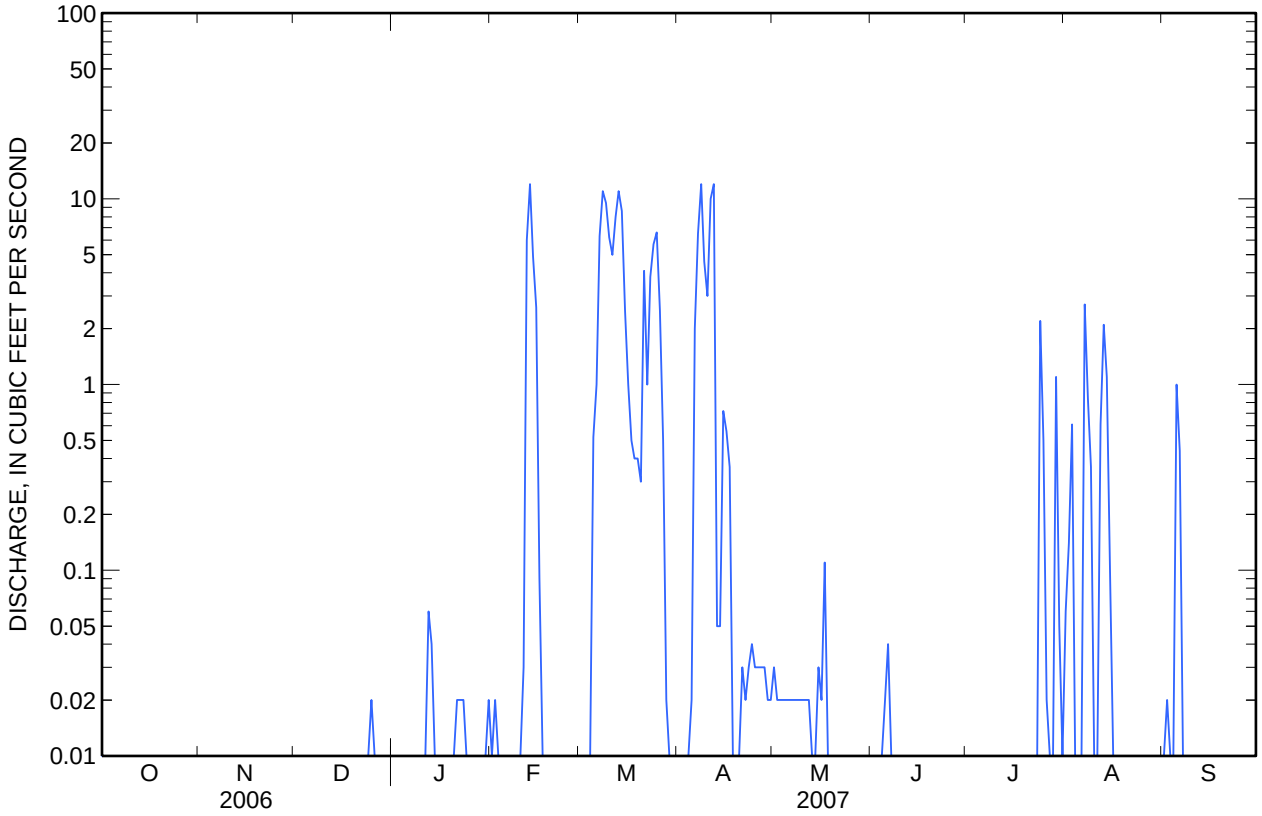
SUMMARY STATISTICS

	Calendar Year 2006		Water Year 2007		Water Years 1970 - 2007	
Annual total	113.42		189.42			
Annual mean	0.31		0.52		5.81	
Highest annual mean					22.4	1980
Lowest annual mean					0.13	1976
Highest daily mean	40	Aug 4	12	Feb 13	1,030	Mar 6, 1995
Lowest daily mean	0.00	Jan 1	0.00	Oct 1	0.00	Oct 1, 1969
Annual seven-day minimum	0.00	Jan 1	0.00	Oct 1	0.00	Oct 1, 1969
Maximum peak flow			41	Feb 12	[a]1,850	Mar 5, 1995
Maximum peak stage			7.25	Feb 12	[b]9.34	Mar 5, 1995
Instantaneous low flow			0.00	Oct 1	0.00	May 21, 2001
Annual runoff (ac-ft)	225		376		4,210	
10 percent exceeds	0.03		0.65		6.6	
50 percent exceeds	0.00		0.00		0.15	
90 percent exceeds	0.00		0.00		0.02	

[a] From rating curve extended above 470 ft³/s, maximum gage height, 7.90 ft, Mar. 12, 1985.
[b] Datum then in use.