



Water-Data Report 2007

08294195 RIO NAMBE ABOVE NAMBE FALLS DAM NEAR NAMBE, NM

Upper Rio Grande Basin
Upper Rio Grande Subbasin

LOCATION.--Lat 35°51'00.2", long 105°53'40" referenced to North American Datum of 1983, Santa Fe County, NM, Hydrologic Unit 13020101, on Nambe Indian Reservation, 0.6 mi upstream from Nambe Falls, 3.4 mi upstream from Rio En Medio, 5.0 mi southeast of Nambe Pueblo, and 6.0 mi southeast of Nambe.

DRAINAGE AREA.--25 mi², approximately.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 2001 to current year.

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 6,885 ft above NGVD of 1929, from topographic map.

REMARKS.--Records poor. Estimated daily discharge due to ice effect and silting also considered 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	5.5	5.6	e5.0	e3.8	e2.9	e4.2	e9.5	18	35	20	e15	7.6
2	5.3	5.7	e5.1	e3.9	e2.9	e4.6	e9.9	20	35	19	e14	7.4
3	5.3	5.8	e5.2	e3.7	e3.1	e4.5	e8.6	20	37	19	e14	7.0
4	5.1	5.8	e5.1	e4.1	e3.1	e4.8	e9.4	21	35	18	e13	6.4
5	5.0	5.9	e5.2	e3.8	e3.2	e4.4	11	20	35	14	e12	6.5
6	4.8	6.2	e5.1	e3.7	e3.3	e4.2	12	19	36	14	e14	5.9
7	4.7	6.0	e5.1	e3.8	e3.5	e4.3	12	20	35	13	e13	5.7
8	5.7	6.0	e5.6	e3.7	e3.6	e4.7	10	20	33	10	e12	5.6
9	6.5	e5.8	e5.7	e3.6	e3.6	e5.0	11	19	34	e9.0	e13	5.4
10	7.2	e5.5	e5.2	e3.4	e3.9	e5.4	11	18	37	e9.1	e13	5.2
11	6.3	e5.3	e4.6	e3.5	e4.3	e5.4	9.4	19	38	e7.5	e12	4.9
12	6.1	e5.5	e4.5	e3.2	e4.7	e5.5	9.4	20	49	e8.2	e13	4.7
13	5.9	e5.4	e4.5	e3.4	e4.3	e5.9	9.4	22	42	e9.0	e12	4.5
14	6.0	e5.6	e4.6	e3.4	e4.4	7.3	8.5	28	39	e9.0	e12	4.3
15	6.1	e4.8	e4.5	e3.2	e4.5	9.1	8.7	29	36	e10	e10	4.1
16	5.9	e5.1	e4.4	e3.1	e4.7	10	9.1	30	35	e9.4	11	4.0
17	6.0	e6.3	e4.4	e3.1	e4.6	11	9.0	33	33	e10	10	4.5
18	6.0	e6.1	e4.4	e3.2	e4.7	12	9.4	32	31	e11	9.9	e5.0
19	5.6	e5.7	e4.5	e3.0	e4.7	12	10	35	32	16	9.2	e4.2
20	5.8	e5.4	e4.3	e3.1	e4.7	12	11	37	31	18	8.6	e4.6
21	6.0	e5.5	e4.5	e3.0	e4.6	11	11	38	30	16	8.0	e5.0
22	5.7	e5.3	e4.4	e3.2	e4.6	12	10	37	30	13	7.6	e4.3
23	5.7	e5.1	e4.3	e3.2	e4.7	13	11	40	28	11	7.2	e5.0
24	5.9	e5.3	e4.3	e3.2	e4.2	13	12	38	26	13	6.8	e4.8
25	6.2	e5.2	e4.2	e3.2	e4.5	13	11	36	26	11	6.3	e4.6
26	5.8	e5.1	e4.3	e3.3	e4.4	13	12	37	27	11	8.4	e4.0
27	5.3	e5.0	e4.2	e3.3	e4.2	13	13	37	25	14	7.7	e4.0
28	6.0	e5.1	e4.1	e3.3	e4.1	13	13	37	28	15	6.3	e4.2
29	6.0	e4.5	e4.1	e3.1	---	11	14	40	25	17	6.1	e4.7
30	5.8	e4.4	e4.0	e3.0	---	9.7	15	36	24	15	6.2	e5.0
31	5.6	---	e3.9	e3.1	---	8.9	---	35	---	e15	6.7	---
Total	178.8	164.0	143.3	104.6	114.0	266.9	320.3	891	987	404.2	318.0	153.1
Mean	5.77	5.47	4.62	3.37	4.07	8.61	10.7	28.7	32.9	13.0	10.3	5.10
Max	7.2	6.3	5.7	4.1	4.7	13	15	40	49	20	15	7.6
Min	4.7	4.4	3.9	3.0	2.9	4.2	8.5	18	24	7.5	6.1	4.0
Ac-ft	355	325	284	207	226	529	635	1,770	1,960	802	631	304

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2002 - 2007, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	6.58	4.98	3.91	3.75	4.08	6.49	12.8	24.5	18.1	7.88	8.89	6.28
Max	15.8	8.43	4.84	6.10	10.1	11.9	31.0	59.2	39.5	13.8	19.5	9.10
(WY)	(2006)	(2006)	(2006)	(2005)	(2005)	(2005)	(2005)	(2005)	(2005)	(2005)	(2006)	(2006)
Min	3.43	3.63	2.64	2.23	1.86	3.38	4.32	2.92	0.98	2.61	2.55	3.42
(WY)	(2003)	(2003)	(2003)	(2003)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)

08294195 RIO NAMBE ABOVE NAMBE FALLS DAM NEAR NAMBE, NM—Continued**SUMMARY STATISTICS**

	Calendar Year 2006	Water Year 2007	Water Years 2002 - 2007	
Annual total	2,360.3	4,045.2		
Annual mean	6.47	11.1	9.04	
Highest annual mean			17.1	2005
Lowest annual mean			3.03	2002
Highest daily mean	35	Aug 21	49	Jun 12
Lowest daily mean	2.1	Jun 30	2.9	Feb 1
Annual seven-day minimum	2.3	Jun 24	3.0	Jan 29
Maximum peak flow			57	Jun 12
Maximum peak stage			1.12	Jun 12
Instantaneous low flow			1.5	Nov 15
Annual runoff (ac-ft)	4,680	8,020	6,550	
10 percent exceeds	11	30	20	
50 percent exceeds	5.3	6.1	5.2	
90 percent exceeds	3.2	3.8	2.6	

^a From rating curve extended above 50 ft³/s, on basis of slope-area measurement of peak flow.

