

Water-Data Report 2007

08294210 RIO NAMBE BELOW NAMBE FALLS DAM, NEAR NAMBE, NM

Upper Rio Grande Basin
Upper Rio Grande Subbasin

LOCATION.--Lat 35°50'46", long 105°54'35" referenced to North American Datum of 1983, Santa Fe County, NM, Hydrologic Unit 13020101, on Nambe Indian Reservation, in outlet conduits of Nambe Falls Dam, 300 ft upstream from Nambe Falls, 2.6 mi upstream from Rio En Medio, 4.4 mi southeast of Nambe Pueblo, and 5.4 mi southeast of Nambe.

DRAINAGE AREA.--34.1 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--January 1979 to current year.

GAGE.--Water-stage recorder with satellite telemetry and concrete control. Datum of gage is 6,840 ft above NGVD of 1983, from topographic map.

REMARKS.--Records fair based on known regulated flow, complete and accurate gage-height record. Flow regulated by Nambe Falls Reservoir (Station 08294200). Outlet conduits are one 6-in.- and two 12-in.-diameter pipes.

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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	6.5	0.66	0.66	0.65	0.55	0.58	11	21	38	13	11	8.0
2	6.4	0.63	0.65	0.66	0.55	0.58	10	28	37	13	11	7.9
3	6.5	0.63	0.66	0.66	0.54	0.57	10	27	36	13	11	14
4	6.4	0.65	0.66	0.68	0.56	0.58	10	28	38	23	11	16
5	6.5	0.65	0.66	0.63	0.57	0.59	11	28	36	14	11	16
6	5.7	0.64	0.68	0.58	0.58	0.60	12	26	36	16	11	16
7	5.3	0.68	0.68	0.58	0.59	0.58	13	24	34	14	11	16
8	5.3	0.72	0.62	0.57	0.58	0.57	12	23	32	15	9.3	16
9	5.4	0.70	0.59	0.58	0.58	3.0	13	23	32	23	8.3	16
10	5.3	0.71	0.61	0.59	0.59	4.3	12	23	33	29	8.2	16
11	5.3	0.67	0.61	0.60	0.61	4.3	9.8	23	32	30	8.3	16
12	5.3	0.67	0.60	0.62	0.60	4.3	11	24	43	24	8.2	16
13	5.3	0.67	0.62	0.62	0.60	4.3	11	26	38	23	13	16
14	5.3	0.67	0.63	0.60	0.60	4.3	9.4	31	34	22	14	16
15	5.4	0.68	0.61	0.57	0.61	7.5	11	34	31	22	24	16
16	5.4	0.70	0.62	0.55	0.59	9.9	8.7	36	30	22	26	16
17	5.4	0.68	0.62	0.57	0.55	13	9.8	39	29	23	19	7.7
18	5.4	0.70	0.62	0.55	0.55	13	9.8	39	26	25	15	3.6
19	5.3	0.71	0.62	0.56	0.57	14	11	41	24	25	19	3.7
20	5.3	0.69	0.64	0.59	0.57	14	11	42	23	17	25	3.8
21	5.3	0.68	0.63	0.61	0.57	14	12	41	22	6.2	25	3.8
22	5.3	0.68	0.63	0.60	0.57	15	11	41	21	6.1	24	3.7
23	5.3	0.69	0.64	0.53	0.57	17	11	42	20	7.0	24	3.8
24	2.5	0.69	0.63	0.54	0.56	17	13	41	18	7.4	24	3.8
25	0.79	0.70	0.62	0.54	0.57	15	12	39	17	7.6	22	3.9
26	0.79	0.66	0.64	0.54	0.57	15	12	35	16	7.7	22	3.9
27	0.70	0.63	0.65	0.56	0.61	15	13	35	17	7.7	23	3.9
28	0.63	0.70	0.65	0.56	0.61	15	16	33	18	7.7	22	3.9
29	0.64	0.72	0.66	0.56	---	14	17	39	16	7.8	22	4.0
30	0.63	0.67	0.65	0.55	---	13	18	39	15	9.5	10	4.0
31	0.64	---	0.62	0.56	---	12	---	e39	---	10	7.7	---
Total	135.92	20.33	19.68	18.16	16.17	262.55	351.5	1,010	842	490.7	500.0	295.4
Mean	4.38	0.68	0.63	0.59	0.58	8.47	11.7	32.6	28.1	15.8	16.1	9.85
Max	6.5	0.72	0.68	0.68	0.61	17	18	42	43	30	26	16
Min	0.63	0.63	0.59	0.53	0.54	0.57	8.7	21	15	6.1	7.7	3.6
Ac-ft	270	40	39	36	32	521	697	2,000	1,670	973	992	586

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1979 - 2007, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	6.73	3.80	2.54	1.99	2.59	5.37	14.9	35.8	40.8	20.2	15.0	11.3
Max	19.5	11.9	12.4	5.29	7.68	17.4	42.3	85.4	125	48.4	51.9	45.4
(WY)	(1989)	(1987)	(2004)	(1992)	(1995)	(1985)	(1985)	(1985)	(1979)	(1983)	(1983)	(1988)
Min	2.83	0.68	0.45	0.45	0.45	0.49	1.11	9.89	1.92	2.04	2.86	1.47
(WY)	(2003)	(2007)	(1980)	(1980)	(1980)	(1979)	(2004)	(1981)	(2002)	(2002)	(1989)	(1994)

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SUMMARY STATISTICS

	Calendar Year 2006		Water Year 2007		Water Years 1979 - 2007	
Annual total	2,315.23		3,962.41			
Annual mean	6.34		10.9		13.0	
Highest annual mean					25.7	1985
Lowest annual mean					3.46	2002
Highest daily mean	28	Jun 20	43	Jun 12	^a 236	Jun 9, 1979
Lowest daily mean	0.59	Dec 9	0.53	Jan 23	0.00	Dec 31, 1993
Annual seven-day minimum	0.61	Dec 9	0.55	Jan 23	0.21	Nov 12, 1980
Maximum peak flow			102	Jul 4	102	Jul 4, 2007
Maximum peak stage			1.59	Jul 4	1.59	Jul 4, 2007
Instantaneous low flow			0.43	Jan 9	0.43	Jan 9, 2007
Annual runoff (ac-ft)	4,590		7,860		9,390	
10 percent exceeds	18		29		33	
50 percent exceeds	3.9		7.5		5.9	
90 percent exceeds	0.66		0.58		0.59	

^a At site 1,100 ft downstream (maximum release and spill computed at Nambe Falls Dam, 250 ft³/s, June 9, 1979).

