

Water-Data Report 2011

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.

On May 27, 2010, the gage was moved approximately 400 ft. downstream to a new site. Latitude 35°51'00.2", long 105°53'40" at the new gaging site.

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 1983, from topographic map.

REMARKS.--Records poor.

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011
DAILY MEAN VALUES
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	5.0	3.6	e2.1	e0.90	e0.73	6.0	6.2	5.4	9.9	2.5	e32	e5.4
2	5.1	3.6	2.8	e0.90	e0.62	4.4	7.0	4.9	12	2.4	e6.5	e5.4
3	5.1	3.7	2.2	e0.86	e0.85	4.7	7.7	5.6	12	3.9	e6.3	e5.0
4	5.1	3.8	2.2	e0.86	e1.2	4.7	6.4	6.0	12	2.7	e5.8	e7.5
5	5.1	3.7	2.3	e0.97	e1.1	5.3	5.7	5.9	12	2.5	e5.3	e5.1
6	5.0	3.6	2.3	e0.92	e1.1	5.7	6.2	5.6	11	2.3	e5.2	e4.6
7	4.9	3.5	2.6	e0.97	e1.1	4.0	6.1	7.0	11	2.2	e5.0	e4.9
8	4.6	3.4	2.9	e0.87	e1.1	3.3	5.0	6.8	9.7	2.3	e5.5	e4.4
9	4.5	3.3	e2.1	e0.82	e0.94	3.4	5.5	6.9	8.7	2.1	e5.8	e10
10	4.6	2.5	e1.2	e0.82	e1.1	3.4	5.6	6.6	8.0	2.3	e4.6	e13
11	4.5	e2.2	e1.2	e0.82	e1.6	3.5	5.3	7.5	7.5	12	e4.8	e11
12	4.4	e2.2	e1.1	e0.80	e2.0	3.7	5.1	6.2	6.9	6.3	e3.8	e6.0
13	4.5	e2.3	e1.1	e0.80	e1.9	3.9	5.2	5.9	6.4	4.6	e5.3	e8.5
14	4.4	e2.3	e1.1	e0.80	e2.3	3.8	6.1	7.1	6.0	4.2	e3.8	e8.5
15	4.3	e2.4	e0.98	e0.82	e2.6	3.7	5.2	7.8	5.6	3.9	e3.1	e5.5
16	4.2	e2.4	e0.95	e0.85	e2.6	3.9	5.6	7.8	5.2	3.4	e3.3	e6.0
17	4.2	e2.5	e0.94	e0.93	e2.7	4.3	6.0	7.6	4.8	3.2	e16	e7.0
18	4.3	e2.8	e0.92	e0.93	e2.8	4.6	8.2	7.4	4.4	3.3	e8.0	e6.0
19	4.4	e2.6	e0.92	e0.93	e2.9	5.5	8.4	8.9	4.0	3.2	e8.8	e5.5
20	4.6	3.1	e0.92	e0.96	e2.6	5.8	6.8	8.2	3.9	3.1	e5.0	e5.4
21	8.2	2.9	e0.92	e0.89	e2.5	5.4	8.0	9.7	3.9	3.1	e52	e4.9
22	5.2	2.9	e0.92	e1.0	e3.0	5.5	7.4	7.9	3.4	3.1	e17	e5.9
23	3.9	e2.3	e0.92	e1.0	e3.0	5.0	7.3	8.1	3.2	3.5	e4.5	e4.4
24	3.8	e2.5	e0.92	e0.99	e3.1	4.6	5.9	7.4	2.9	8.8	e7.0	e4.8
25	3.9	e2.4	e0.91	e1.0	e3.0	4.3	5.9	6.5	2.8	e40	e6.9	e4.4
26	3.5	e2.3	e0.91	e1.1	e3.3	4.4	4.9	6.6	2.6	e5.4	e6.9	e4.4
27	3.6	e2.2	e0.94	e1.1	e3.3	4.5	4.7	7.4	2.7	e4.5	e6.9	e3.8
28	3.4	e2.2	e0.91	e1.2	4.1	4.5	4.8	9.6	2.8	e5.4	e4.9	e4.4
29	3.6	e2.2	e0.91	e1.2	---	5.0	6.0	12	2.7	e12	e5.9	e3.9
30	3.8	e2.1	e0.90	e1.1	---	4.7	6.0	11	2.5	e9.4	e6.4	e3.9
31	3.7	---	e0.90	e1.0	---	4.8	---	10	---	e12	e5.0	---
Total	139.4	83.5	42.89	29.11	59.14	140.3	184.2	231.3	190.5	179.6	267.3	179.5
Mean	4.50	2.78	1.38	0.94	2.11	4.53	6.14	7.46	6.35	5.79	8.62	5.98
Max	8.2	3.8	2.9	1.2	4.1	6.0	8.4	12	12	40	52	13
Min	3.4	2.1	0.90	0.80	0.62	3.3	4.7	4.9	2.5	2.1	3.1	3.8
Ac-ft	276	166	85	58	117	278	365	459	378	356	530	356

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2002 - 2011, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	6.00	4.77	3.87	3.47	3.91	7.54	14.6	26.3	20.2	9.34	8.93	6.40
Max	15.8	8.43	5.53	6.10	10.1	11.9	31.5	59.2	39.5	14.9	19.5	9.10
(WY)	(2006)	(2006)	(2009)	(2005)	(2005)	(2005)	(2010)	(2005)	(2005)	(2009)	(2006)	(2006)
Min	3.43	2.78	1.38	0.94	1.86	3.38	4.32	2.92	0.98	2.61	2.55	3.42
(WY)	(2003)	(2011)	(2011)	(2011)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)

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

	Calendar Year 2010	Water Year 2011	Water Years 2002 - 2011	
Annual total	5,088.49	1,726.74		
Annual mean	13.9	4.73	9.64	
Highest annual mean			17.1	2005
Lowest annual mean			3.03	2002
Highest daily mean	79	May 26	52	Aug 21
Lowest daily mean	0.90	Dec 30	0.62	Feb 2
Annual seven-day minimum	0.91	Dec 25	0.81	Jan 9
Maximum peak flow			2,000	Jul 25
Maximum peak stage			9.20	Jul 25
Instantaneous low flow			0.62	Feb 2
Annual runoff (ac-ft)	10,090	3,420	6,980	
10 percent exceeds	38	8.0	24	
50 percent exceeds	6.7	4.3	5.5	
90 percent exceeds	2.3	0.94	2.7	

^a Estimated from recorded change in storage at Nambe Falls Reservoir near Nambe, NM (08294200).

