



Water-Data Report 2007

08302500 TESUQUE CREEK ABOVE DIVERSIONS NEAR SANTA FE, NM

Upper Rio Grande Basin
Upper Rio Grande Subbasin

LOCATION.--Lat 35°44'24", long 105°53'54" referenced to North American Datum of 1983, Santa Fe County, NM, Hydrologic Unit 13020101, in Santa Fe National Forest, on left bank 0.30 mi from boundary, 1.0 mi southwest of Bishops Lodge, 1.1 mi to State Highway 22, and 10 mi northeast of Santa Fe.

DRAINAGE AREA.--11.70 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--March 1936 to January 1952, May to October 1919 in report of State Engineer. October 1997 to current year.

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 7,220 ft above NGVD of 1929, from topographic map.

REMARKS.--Records poor.

08302500 TESUQUE CREEK ABOVE DIVERSIONS NEAR SANTA FE, 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	e2.4	0.90	e0.53	e0.46	0.65	e1.3	6.6	13	11	3.1	e4.0	e4.0
2	e2.0	0.89	e0.55	e0.48	0.62	e1.5	5.9	16	12	2.9	e3.4	e3.6
3	e2.0	0.90	e0.58	e0.42	0.66	e1.4	5.0	15	12	e3.0	e3.6	e3.4
4	e1.9	0.90	e0.52	e0.43	0.66	e1.5	4.6	16	12	e2.9	e3.9	e3.1
5	e2.0	0.89	e0.55	e0.45	0.62	e1.4	5.1	16	11	2.8	e3.7	e3.0
6	e2.2	0.90	e0.52	e0.42	0.64	1.3	4.6	14	e9.4	3.0	e3.7	e2.9
7	e2.1	0.89	e0.56	e0.45	0.78	1.3	4.1	14	e8.1	2.8	e3.5	e2.7
8	e2.2	0.87	e0.60	e0.43	0.90	1.4	4.0	12	e7.5	3.0	e3.3	e2.6
9	2.3	0.83	0.58	e0.44	0.99	1.5	4.0	12	e8.0	3.2	e3.3	e2.5
10	e2.1	0.82	0.64	e0.40	1.0	1.6	3.7	12	e8.4	3.0	e3.4	e2.4
11	e2.0	0.73	0.66	e0.43	1.1	1.6	3.2	11	e8.9	2.7	e3.2	e2.2
12	e1.8	0.87	0.59	e0.40	1.2	1.6	3.0	12	e9.3	2.2	e3.3	e2.0
13	e1.5	0.74	0.56	e0.44	1.1	1.7	2.8	14	e8.4	2.0	e3.1	e1.9
14	1.2	0.85	0.57	e0.43	e1.2	2.2	2.5	14	e7.8	2.0	e2.8	e1.9
15	1.3	0.63	0.62	e0.46	e1.3	3.0	2.5	16	e7.5	1.8	e3.0	e1.9
16	1.2	0.82	0.62	e0.45	e1.4	3.8	2.8	16	6.7	1.8	e3.0	e2.0
17	1.2	0.86	0.59	e0.45	e1.1	4.4	2.8	e19	6.4	1.7	e2.6	e2.2
18	1.1	0.78	0.60	e0.47	1.2	5.8	2.9	e20	5.6	1.6	2.2	e2.5
19	1.1	0.75	0.63	e0.47	1.2	7.1	3.2	e21	5.3	e2.2	2.1	e2.3
20	1.1	0.70	e0.58	e0.50	1.2	7.7	3.4	e21	5.0	e4.0	1.9	e2.0
21	1.0	0.75	e0.60	e0.49	1.1	6.5	3.8	e20	4.9	e3.9	1.8	e2.3
22	1.0	0.80	e0.57	e0.52	1.2	7.0	3.8	e19	4.6	e2.4	1.7	e1.8
23	0.98	0.72	e0.54	e0.54	1.2	7.3	3.9	e19	4.2	e2.6	1.7	e1.6
24	0.99	0.78	e0.54	0.57	e1.1	7.9	4.4	e18	3.9	e2.7	1.7	e1.6
25	1.0	0.74	e0.50	0.58	e1.4	7.8	4.0	e17	3.7	e2.4	1.6	e1.5
26	1.0	0.69	e0.52	0.58	e1.3	10	4.5	14	3.3	e2.2	1.6	e1.5
27	0.96	0.69	e0.50	0.58	1.2	11	6.1	14	3.4	e3.0	e2.3	e1.4
28	1.00	0.72	e0.48	0.59	1.3	13	8.4	14	e4.2	e3.4	e2.1	e1.4
29	0.98	0.55	e0.50	0.59	---	11	9.8	14	e4.0	e3.5	e2.3	e1.3
30	0.96	e0.60	e0.48	0.60	---	8.7	11	13	e3.4	e3.5	e2.5	e1.4
31	0.90	---	e0.45	0.62	---	7.0	---	12	---	e4.2	e2.9	---
Total	45.47	23.56	17.33	15.14	29.32	150.3	136.4	478	209.9	85.5	85.2	66.9
Mean	1.47	0.79	0.56	0.49	1.05	4.85	4.55	15.4	7.00	2.76	2.75	2.23
Max	2.4	0.90	0.66	0.62	1.4	13	11	21	12	4.2	4.0	4.0
Min	0.90	0.55	0.45	0.40	0.62	1.3	2.5	11	3.3	1.6	1.6	1.3
Ac-ft	90	47	34	30	58	298	271	948	416	170	169	133

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1936 - 2007, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	1.59	1.25	0.96	0.89	1.03	2.14	5.82	10.0	5.78	2.04	2.12	1.47
Max	10.3	6.60	2.65	2.02	2.67	4.85	26.4	37.0	27.0	7.68	8.11	4.55
(WY)	(1942)	(1942)	(1942)	(1942)	(2005)	(2007)	(1942)	(1941)	(1941)	(1941)	(2006)	(2006)
Min	0.28	0.39	0.31	0.31	0.41	0.42	0.67	0.29	0.05	0.24	0.06	0.26
(WY)	(2003)	(1951)	(2003)	(2003)	(2004)	(1951)	(2006)	(2006)	(2002)	(2002)	(2002)	(2002)

08302500 TESUQUE CREEK ABOVE DIVERSIONS NEAR SANTA FE, NM—Continued**SUMMARY STATISTICS**

	Calendar Year 2006	Water Year 2007	Water Years 1936 - 2007	
Annual total	586.47	1,343.02		
Annual mean	1.61	3.68	2.95	
Highest annual mean			8.14	1941
Lowest annual mean			0.48	2002
Highest daily mean	24	Aug 24	21	May 19
Lowest daily mean	0.00	Jun 13	0.40	Jan 10
Annual seven-day minimum	0.00	Jun 13	0.42	Jan 6
Maximum peak flow			21	May 1
Maximum peak stage			4.41	May 1
Instantaneous low flow			0.20	Nov 15
Annual runoff (ac-ft)	1,160	2,660	2,140	
10 percent exceeds	3.2	11	7.3	
50 percent exceeds	0.70	2.0	1.2	
90 percent exceeds	0.12	0.55	0.50	

^a Gage height 4.30 ft from floodmarks, from rating curve extended above 10 ft³/s, on basis of slope-area measurement at gage height 4.0 ft, at different datum.

