



Water-Data Report 2007

08386505 RIO RUIDOSO AT RUIDOSO, NM

Upper Pecos Basin
Rio Hondo Subbasin

LOCATION.--Lat 33°20'11.51", long 105°43'34.71" referenced to North American Datum of 1983, Lincoln County, NM, Hydrologic Unit 13060008, on right bank at Village of Ruidoso, 2.6 mi to State Road 48, and 6.2 mi west of U.S. Highway 70.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1998 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 7,160 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good, except those for above 282 cfs and estimated daily discharges, which are poor.

08386505 RIO RUIDOSO AT RUIDOSO, 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	11	19	e4.7	e3.4	e2.6	e12	17	22	13	4.0	12	4.7
2	10	17	e4.3	3.3	e2.9	e11	16	29	12	4.2	13	4.1
3	9.9	15	e3.9	3.3	e3.0	e10	16	28	11	3.6	11	3.5
4	9.5	15	e4.0	3.3	e2.9	e9.9	17	25	10	2.8	8.7	3.2
5	9.2	14	e4.0	3.2	3.1	e9.5	19	23	9.2	2.9	7.5	2.9
6	8.8	13	e3.9	e3.0	4.0	10	22	21	8.5	2.9	6.2	2.9
7	8.6	12	e3.8	e2.6	5.4	12	23	18	8.0	3.7	5.4	2.8
8	9.9	12	e3.6	e2.9	6.6	14	22	17	7.7	3.1	4.8	5.0
9	23	11	3.7	e2.7	7.7	17	22	16	7.5	2.8	11	4.7
10	66	11	3.6	2.7	8.7	20	20	13	8.7	2.4	8.9	7.9
11	59	9.0	e3.5	3.3	10	22	17	14	8.1	2.4	7.2	6.6
12	50	8.6	e3.3	4.0	13	21	15	14	7.6	6.3	6.1	7.6
13	42	8.2	e3.4	4.1	12	19	16	14	7.0	6.1	5.2	6.8
14	41	8.2	e3.4	e3.1	e11	21	15	16	6.4	6.3	8.7	6.2
15	45	7.9	3.4	e2.1	e10	27	14	17	6.0	3.8	4.6	5.5
16	57	7.0	3.3	e2.4	e10	32	13	20	6.5	3.0	3.0	5.0
17	59	7.2	3.2	e3.2	9.6	36	13	24	6.6	2.6	2.7	4.5
18	56	7.1	3.2	2.8	9.7	41	13	34	5.5	2.4	2.5	4.3
19	50	6.9	e3.2	2.7	9.9	42	13	40	5.2	2.3	2.3	3.8
20	44	6.1	e2.8	e2.7	9.7	37	14	44	5.0	2.2	2.2	4.1
21	40	5.5	e3.7	e2.7	9.7	34	15	42	4.8	2.4	1.9	3.6
22	37	5.3	e3.2	e2.6	10	33	14	38	4.8	2.6	2.1	3.1
23	34	5.1	e3.1	e2.5	11	33	14	32	4.5	2.3	2.4	4.0
24	32	5.1	e2.9	e2.5	e11	29	14	28	4.0	6.1	2.5	4.9
25	30	5.7	e2.9	e2.5	e11	26	13	26	3.7	4.2	2.6	3.3
26	28	5.3	e3.1	2.6	11	24	13	24	4.1	3.0	2.3	2.9
27	25	5.7	3.2	e2.6	11	24	12	20	3.6	3.9	2.1	2.8
28	24	5.3	e3.1	2.5	12	26	13	18	3.4	6.1	6.2	2.6
29	22	e4.7	e3.1	2.5	---	24	16	16	3.7	5.8	3.8	2.6
30	24	e3.8	e3.6	2.7	---	22	19	15	3.2	6.3	3.0	3.3
31	20	---	e3.4	2.8	---	20	---	14	---	8.1	4.7	---
Total	984.9	266.7	107.5	89.3	238.5	718.4	480	722	199.3	120.6	166.6	129.2
Mean	31.8	8.89	3.47	2.88	8.52	23.2	16.0	23.3	6.64	3.89	5.37	4.31
Max	66	19	4.7	4.1	13	42	23	44	13	8.1	13	7.9
Min	8.6	3.8	2.8	2.1	2.6	9.5	12	13	3.2	2.2	1.9	2.6
Ac-ft	1,950	529	213	177	473	1,420	952	1,430	395	239	330	256

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2007, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	6.10	3.61	2.98	3.98	5.61	10.2	17.7	12.3	3.79	6.99	21.6	11.8
Max	31.8	8.89	6.56	17.2	25.7	23.2	47.5	42.5	8.17	25.7	134	61.1
(WY)	(2007)	(2007)	(1999)	(2005)	(2005)	(2007)	(2005)	(2005)	(2005)	(2000)	(2006)	(2006)
Min	1.03	1.15	0.72	0.74	0.89	0.98	1.38	0.57	0.78	1.49	1.83	1.43
(WY)	(2004)	(2004)	(2004)	(2004)	(2000)	(2006)	(2006)	(2006)	(2006)	(2001)	(2003)	(2003)

08386505 RIO RUIDOSO AT RUIDOSO, NM—Continued**SUMMARY STATISTICS**

	Calendar Year 2006	Water Year 2007	Water Years 1999 - 2007			
Annual total	7,759.77	4,223.0				
Annual mean	21.3	11.6	8.99			
Highest annual mean			18.2			
Lowest annual mean			3.77			
Highest daily mean	408	Aug 17	Oct 10	408	Aug 17, 2006	
Lowest daily mean	0.21	Jun 19	1.9	0.21	Jun 19, 2006	
Annual seven-day minimum	0.25	Jun 15	2.3	0.25	Jun 15, 2006	
Maximum peak flow			70	Oct 10	608	Aug 17, 2006
Maximum peak stage			2.27	Oct 10	3.96	Aug 17, 2006
Instantaneous low flow			^a 0.82	Jan 15	0.13	Jun 18, 2006
Annual runoff (ac-ft)	15,390	8,380	6,510			
10 percent exceeds	52	26	22			
50 percent exceeds	2.0	7.2	2.8			
90 percent exceeds	0.58	2.7	0.93			

^a Value is affected by ice at the measurement site.

