Water-Data Report 2006

08267500 RIO HONDO NEAR VALDEZ, NM

Upper Rio Grande Basin
Upper Rio Grande Subbasin

LOCATION.--Lat 36°32′31″, long 105°33′22″ referenced to North American Datum of 1983, Taos County, NM, Hydrologic Unit 13020101, in Carson National Forest, on right bank 500 ft upstream from first diversion, 1.6 mi east of Valdez, 3.8 mi downstream from South Fork, and at mile 9.2.

DRAINAGE AREA.--36.2 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--August 1934 to current year.

REVISED RECORDS.--WSP 1342: 1935. WSP 1712: drainage area. WSP 1732: 1942(M).

GAGE.--Water-stage recorder. Concrete control since Oct. 28, 1938. Elevation of gage is 7,650 ft above NGVD of 1929, from topographic map. Prior to Oct. 28, 1938, at datum 1.92 ft lower.

REMARKS.--Water-discharge records fair except for those estimated, which are poor.

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
DAILY MEAN VALUES
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	19	22	14	e12	e12	e13	12	21	29	14	16	23
2	18	22	14	e13	e12	e12	12	22	28	14	16	24
3	18	22	14	e13	e11	12	13	23	27	14	16	24
4	22	22	13	e12	e12	12	14	24	26	15	17	23
5	24	20	e11	e12	e13	12	15	25	25	14	18	22
6	20	19	e10	e12	e12	11	16	25	26	14	18	22
7	19	20	e11	e13	e13	11	14	25	26	13	19	23
8	19	19	e9.2	e12	e12	11	15	25	27	15	18	24
9	29	19	e9.7	e11	e12	11	16	26	26	18	19	24
10	29	19	e11	e9.5	11	11	17	25	23	17	21	23
11	26	19	e11	e10	e10	11	17	25	22	16	19	22
12	25	18	e12	e11	e11	10	17	25	21	14	19	22
13	25	18	e13	e10	e11	e9.5	19	26	20	13	20	21
14	24	18	e13	e11	e12	e11	21	27	19	13	22	21
15	24	16	e12	e12	e12	12	22	29	19	13	21	23
16	26	14	e11	e11	e11	12	21	29	20	13	23	22
17	25	15	e12	e11	e11	12	22	30	19	13	22	21
18	24	15	e11	e12	e12	11	21	31	18	13	22	21
19	33	15	e13	e12	e11	11	20	32	18	13	23	21
20	30	14	e14	e11	e11	12	21	34	17	13	23	21
21	29	15	e14	e10	e12	12	20	33	17	13	22	25
22	28	15	e14	e10	e13	11	20	34	16	14	22	23
23	27	15	e13	e11	e12	11	21	33	16	14	22	23
24	26	15	e13	e11	e12	11	22	33	16	14	22	22
25	25	15	e13	e12	e12	12	22	33	15	14	22	22
26	25	14	e12	e13	e11	12	22	33	16	16	22	21
27	24	14	e13	e12	e11	12	22	33	16	19	26	21
28	24	e13	e12	e12	e12	12	23	32	15	18	23	21
29	24	e12	e12	e12	---	12	22	31	15	16	23	20
30	24	14	e11	e13	---	12	21	31	15	15	22	20
31	23	---	e12	e13	---	12	---	30	---	16	22	---
Total	758	508	377.9	359.5	327	356.5	560	885	613	451	640	665
Mean	24.5	16.9	12.2	11.6	11.7	11.5	18.7	28.5	20.4	14.5	20.6	22.2
Max	33	22	14	13	13	13	23	34	29	19	26	25
Min	18	12	9.2	9.5	10	9.5	12	21	15	13	16	20
Ac-ft	1,500	1,010	750	713	649	707	1,110	1,760	1,220	895	1,270	1,320

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1935 - 2006, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	18.2	14.7	11.9	10.6	10.6	14.1	33.3	94.2	110	46.9	28.3	21.9
Max	43.5	35.8	23.1	20.1	16.6	36.4	92.4	246	299	156	60.3	53.2
(WY)	(1942)	(1942)	(1942)	(1942)	(1942)	(1989)	(1937)	(1941)	(1979)	(1995)	(1957)	(1993)
Min	9.49	7.96	6.97	6.03	6.08	7.60	11.1	12.7	8.44	7.61	6.39	8.13
(WY)	(2003)	(2003)	(2003)	(1935)	(1935)	(1964)	(1977)	(2002)	(2002)	(2002)	(2002)	(2002)

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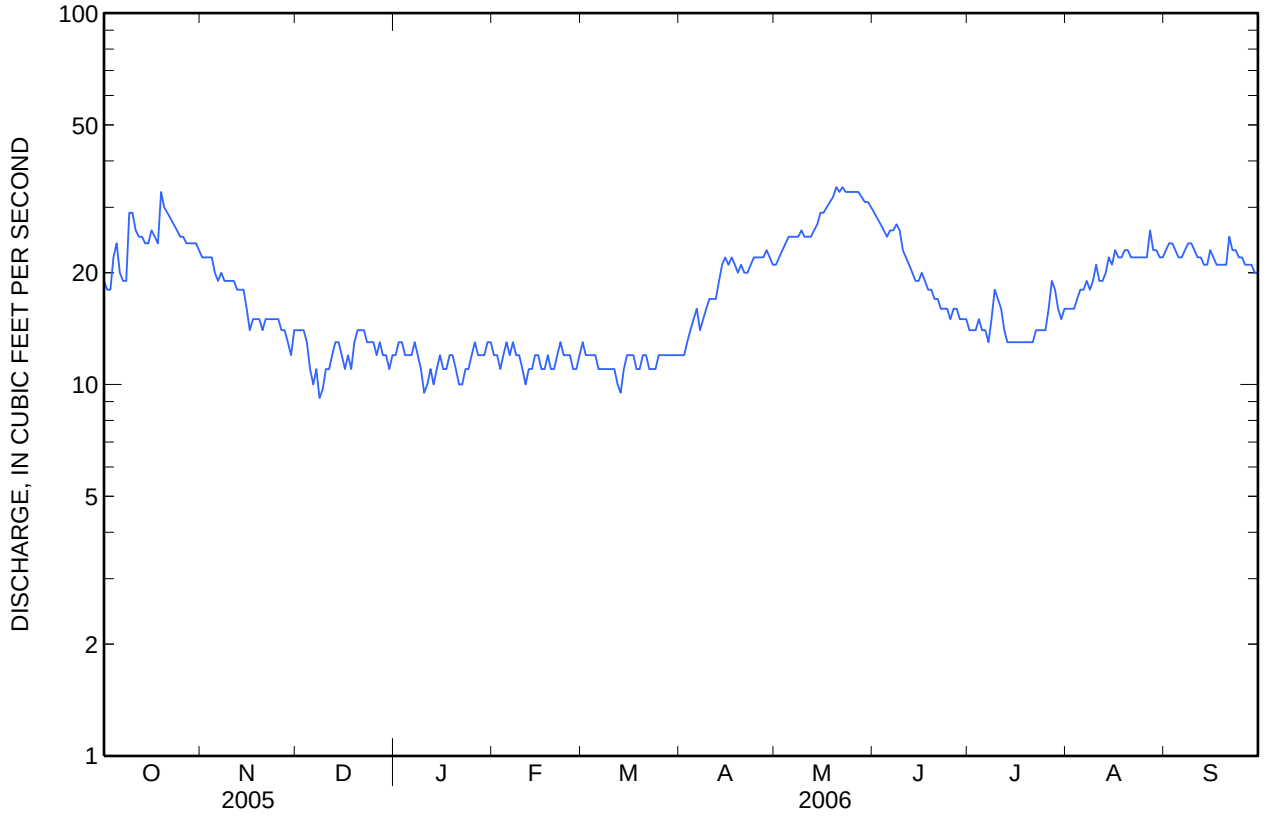
SUMMARY STATISTICS

	Calendar Year 2005		Water Year 2006		Water Years 1935 - 2006	
Annual total	18,127.4		6,500.9			
Annual mean	49.7		17.8		34.6	
Highest annual mean					69.9	1942
Lowest annual mean					9.99	2002
Highest daily mean	427	May 27	34	May 20	427	May 27, 2005
Lowest daily mean	6.8	Jan 14	9.2	Dec 8	2.0	Jan 27, 2004
Annual seven-day minimum	8.1	Jan 10	10	Dec 5	4.2	Jan 18, 1935
Maximum peak flow					[a]541	May 13, 1941
Maximum peak stage					[b]4.89	Feb 2, 1994
Instantaneous low flow					1.0	Jan 27, 1942
Annual runoff (ac-ft)	35,960		12,890		25,050	
10 percent exceeds	152		26		82	
50 percent exceeds	22		16		17	
90 percent exceeds	11		11		9.5	

[a] Maximum gage height on Dec. 24, 1965, due to backwater from ice.
[b] Result of freeze up.