

## SAN JUAN RIVER BASIN

09378170 SOUTH CREEK ABOVE RESERVOIR, NEAR MONTICELLO, UT

LOCATION.--Lat 37°50'48", long 109°22'08", in NE<sup>1</sup>/4 SW<sup>1</sup>/4 SW<sup>1</sup>/4 sec. 2, T. 34 S., R. 23 E., San Juan County, Hydrologic Unit 14080203, 200 ft upstream from west side of reservoir and 2 mi southwest of Monticello.

DRAINAGE AREA.--8.64 mi<sup>2</sup>.

PERIOD OF RECORD.--October 1985 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 7,170 ft above NGVD of 1929, from topographic map.

REMARKS.--Records poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 163 ft<sup>3</sup>/s, Nov 5, 1987, gage height, 4.17 ft; no flow many days in Jun, Jul, Aug, Sep, 2002.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 34 ft<sup>3</sup>/s and maximum (\*):

Date	Time	Discharge (ft <sup>3</sup> /s)	Gage height (ft)	Date	Time	Discharge (ft <sup>3</sup> /s)	Gage height (ft)
Jul 28	1748	*110	*3.47			No other peak greater than base discharge.	

No flow on many days in Jun, Jul, Aug, Sep.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.05	0.18	e0.06	e0.06	e0.05	e0.06	e0.06	e0.03	e0.02	e0.00	e0.01	e0.00
2	0.05	0.18	e0.08	e0.04	e0.06	e0.04	e0.06	e0.03	e0.02	e0.00	e0.01	e0.00
3	0.05	0.18	0.08	e0.04	e0.06	e0.04	e0.05	e0.03	e0.02	e0.00	e0.01	e0.00
4	e0.05	0.18	e0.08	e0.06	e0.06	e0.06	e0.04	e0.03	e0.02	e0.00	e0.01	e0.00
5	e0.04	0.18	e0.07	e0.04	e0.06	e0.06	e0.04	e0.03	e0.02	e0.00	e0.01	e0.00
6	e0.04	0.18	0.08	e0.05	e0.06	e0.07	e0.04	e0.03	e0.01	e0.00	e0.00	e0.00
7	e0.04	0.20	0.08	e0.05	e0.06	e0.07	e0.05	e0.03	e0.01	e0.00	e0.00	e0.00
8	e0.05	0.22	0.08	e0.05	e0.07	e0.06	e0.05	e0.03	e0.01	e0.00	e0.00	e0.00
9	e0.05	0.22	0.08	e0.06	e0.05	e0.05	e0.04	e0.03	e0.01	e0.00	e0.00	e0.00
10	0.05	0.22	e0.08	e0.06	e0.05	e0.06	e0.04	e0.03	e0.01	0.00	e0.00	e0.00
11	0.07	0.22	e0.07	e0.06	e0.06	e0.06	e0.04	e0.03	e0.01	0.00	e0.00	e0.01
12	0.08	0.22	e0.06	e0.06	e0.06	e0.07	e0.04	e0.03	e0.01	0.00	e0.00	e0.01
13	0.08	0.20	e0.07	e0.05	e0.06	e0.08	e0.04	e0.03	e0.00	0.00	e0.00	e0.01
14	0.08	e0.16	e0.07	e0.05	e0.06	e0.08	e0.05	e0.03	e0.00	0.00	e0.00	e0.01
15	0.10	e0.14	e0.07	e0.06	e0.06	e0.06	e0.04	e0.03	e0.00	0.00	e0.00	e0.01
16	0.11	e0.14	e0.06	e0.06	e0.06	e0.06	e0.04	e0.03	e0.00	0.00	e0.00	e0.01
17	0.11	e0.12	e0.07	e0.05	e0.06	e0.06	e0.04	e0.03	e0.00	0.00	e0.00	e0.01
18	0.11	e0.10	e0.07	e0.04	e0.06	e0.06	e0.04	e0.03	e0.00	0.00	e0.00	e0.01
19	0.11	e0.08	e0.07	e0.04	e0.06	e0.07	e0.04	e0.03	e0.00	0.00	e0.00	e0.01
20	0.12	e0.07	e0.08	e0.05	e0.06	e0.07	e0.04	e0.03	e0.00	0.00	e0.00	e0.01
21	0.14	e0.07	e0.08	e0.06	e0.06	e0.08	e0.04	e0.03	e0.00	0.00	e0.00	e0.01
22	0.14	e0.08	e0.06	e0.06	e0.07	e0.08	e0.04	e0.03	e0.00	0.00	e0.00	e0.01
23	0.16	e0.07	e0.05	e0.06	e0.07	e0.08	e0.04	e0.03	e0.00	0.00	e0.00	e0.01
24	0.18	e0.06	e0.05	e0.05	e0.07	e0.07	e0.04	e0.03	e0.00	0.00	e0.00	e0.00
25	0.18	e0.07	e0.06	e0.06	e0.06	e0.06	e0.04	e0.03	e0.00	0.00	e0.00	e0.00
26	0.18	e0.06	e0.06	e0.06	e0.06	e0.07	e0.04	e0.03	e0.00	0.00	e0.00	e0.00
27	0.18	e0.06	e0.07	e0.06	e0.06	e0.08	e0.04	e0.03	e0.00	e0.01	e0.00	e0.00
28	0.18	e0.05	e0.06	e0.06	e0.06	0.08	e0.04	e0.02	e0.00	e3.0	e0.00	e0.00
29	0.18	e0.07	e0.06	e0.06	---	0.08	e0.04	e0.02	e0.00	e0.04	e0.00	e0.01
30	0.18	e0.07	e0.07	e0.04	---	0.08	e0.04	e0.02	e0.00	e0.03	e0.00	e0.01
31	0.18	---	e0.06	e0.04	---	e0.07	---	e0.02	---	e0.02	---	---
TOTAL	3.32	4.05	2.14	1.64	1.69	2.07	1.28	0.89	0.17	3.10	0.05	0.15
MEAN	0.107	0.135	0.069	0.053	0.060	0.067	0.043	0.029	0.006	0.100	0.002	0.005
MAX	0.18	0.22	0.08	0.06	0.07	0.08	0.06	0.03	0.02	3.0	0.01	0.01
MIN	0.04	0.05	0.05	0.04	0.05	0.04	0.04	0.02	0.00	0.00	0.00	0.00
AC-FT	6.6	8.0	4.2	3.3	3.4	4.1	2.5	1.8	0.3	6.1	0.1	0.3

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1986 - 2002, BY WATER YEAR (WY)

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SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR	FOR 2002 WATER YEAR	WATER YEARS 1986 - 2002
ANNUAL TOTAL	337.18	20.55	
ANNUAL MEAN	0.924	0.056	1.632
HIGHEST ANNUAL MEAN			5.89
LOWEST ANNUAL MEAN			0.056
HIGHEST DAILY MEAN	11 May 2	3.0 Jul 28	60 May 17 1993
LOWEST DAILY MEAN	0.03 Sep 14	0.00 Jun 13	0.00 Jun 13 2002
ANNUAL SEVEN-DAY MINIMUM	0.04 Sep 8	0.00 Jun 13	0.00 Jun 13 2002
ANNUAL RUNOFF (AC-FT)	669	41	1180
10 PERCENT EXCEEDS	2.7	0.09	4.6
50 PERCENT EXCEEDS	0.11	0.04	0.21
90 PERCENT EXCEEDS	0.05	0.00	0.07

e Estimated

