09513780 NEW RIVER NEAR ROCK SPRINGS, AZ

LOCATION.--Lat 33°58'27", long 112°05'54", in SW1/4SW1/4 sec. 6, T.7 N., R.3 E., Maricopa County, Hydrologic Unit 15070102, on right bank 180 ft upstream from road crossing and 6 mi southeast of Rock Springs.

DRAINAGE AREA.--68.3 mi^2.

PERIOD OF RECORD.--Water years 1962–65 (annual maximums only), Oct. 1965 to current year.

REVISED RECORDS.--WDR AZ–89–1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 2,310 ft above sea level, from topographic map. Jan. 2, 1964, to Sept. 30, 1965, crest-stage gage, and Oct. 28, 1965, to Nov. 16, 1967, water-stage recorder, at same site at datum 1.00 ft higher.

REMARKS.--Records good, except estimated daily discharges, which are poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 18,600 ft^3/s Sept. 5, 1970, gage height, 13.5 ft, from profile past gage, from rating curve extended above 380 ft^3/s on basis of slope-area measurements at gage heights 3.6, 4.73, 7.3, 10.7, and 13.5 ft; no flow for many days in most years.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 200 ft^3/s and (or) maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Dec. 6	0925	392	3.16	Feb. 19	0615	1,710	5.23
Dec. 29	1045	2,150	5.85	Jul. 31	unk	*15,000	*11.00 a
Jan. 4	1610	1,740	5.38	Aug. 9	1515	3,250	6.25
Jan. 27	0415	1,140	4.56	Aug. 11	1515	8,830	9.00
Feb. 12	0330	3,700	7.18				

a-from floodmark

Minimum daily discharge, no flow for many days.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	2.3	37	33	49	7.7	4.0	0.06	0.00	e193	0.66
2	0.00	0.00	2.0	26	26	42	7.7	3.8	0.03	0.00	e23	0.61
3	0.00	0.00	1.8	212	21	37	7.6	3.4	0.01	0.00	15	10
4	0.00	0.00	1.9	1010	18	33	7.2	3.1	0.01	0.00	11	17
5	0.00	0.00	2.8	395	16	36	6.8	2.8	0.00	0.00	9.2	4.3
6	0.00	0.00	128	149	14	31	6.7	2.7	0.00	e0.00	43	2.3
7	0.00	0.00	70	78	21	28	6.3	2.8	0.00	e0.00	15	e1.6
8	0.00	0.00	30	51	36	26	5.9	2.7	0.00	0.00	15	e1.3
9	0.00	0.00	20	40	18	23	5.5	2.4	0.00	0.00	300	e1.1
10	0.00	0.00	14	31	15	22	5.6	2.4	0.00	0.00	38	0.84
11	0.00	0.00	11	26	1220	20	5.5	2.2	0.00	0.00	e724	0.79
12	0.00	0.00	8.7	26	1910	18	5.3	2.3	0.00	0.00	e75	0.72
13	0.00	0.00	7.1	20	342	17	5.2	2.4	0.00	0.00	23	0.65
14	0.00	0.00	5.9	17	141	16	5.0	2.2	0.00	0.00	11	0.60
15	0.00	0.00	5.0	14	89	15	4.8	1.9	0.00	0.00	7.8	e0.55
16	0.00	0.00	4.2	12	67	14	4.6	1.7	0.00	0.00	6.3	e0.51
17	0.00	0.00	3.6	11	53	14	4.5	1.6	0.00	0.00	5.3	e0.44
18	0.00	0.00	3.2	9.3	309	13	4.3	1.5	0.00	0.00	4.5	e0.40
19	0.00	0.00	2.9	8.3	767	14	4.3	1.4	0.00	0.00	3.9	e0.36
20	0.00	0.00	2.6	7.4	288	17	4.2	1.2	0.00	0.00	3.5	e0.31
21	0.00	0.00	2.4	7.0	143	15	4.0	1.1	0.00	0.00	2.9	e0.27
22	0.00	53	2.1	6.4	227	13	4.0	0.94	0.00	0.00	2.6	e0.23
23	0.00	49	1.9	5.8	128	12	4.2	0.78	0.00	0.00	2.3	e0.21
24	0.00	17	1.7	5.4	110	11	7.0	0.68	0.00	0.00	2.3	0.17
25	0.00	10	1.6	5.1	112	11	6.5	0.55	0.00	0.00	2.0	0.13
26	0.00	6.8	1.5	6.0	83	11	4.9	0.44	0.00	0.00	1.7	0.12
27	0.00	5.1	1.4	279	76	9.9	4.4	0.34	0.00	6.0	1.4	0.11
28	0.00	4.1	1.4	45	59	9.8	4.3	0.32	0.00	7.6	1.2	0.09
29	0.00	3.0	712	46	---	9.4	4.4	0.25	0.00	3.7	0.99	0.05
30	0.00	2.5	222	85	---	8.8	4.3	0.17	0.00	6.4	0.82	0.06
31	0.00	---	63	46	---	8.0	---	0.11	---	e677	0.74	---
TOTAL	0.00	150.50	1338.0	2716.7	6342	603.9	162.7	54.18	0.11	700.70	1545.45	46.48
MEAN	0.00	5.02	43.2	87.6	226	19.5	5.42	1.75	0.00	22.6	49.9	1.55
MAX	0.00	53	712	1010	1910	49	7.7	4.0	0.06	677	724	17
MIN	0.00	0.00	1.4	5.1	14	8.0	4.0	0.11	0.00	0.00	0.74	0.05
AC-FT	0.00	299	2650	5390	12580	1200	323	107	0.2	1390	3070	92
CFSM	0.00	0.07	0.63	1.28	3.32	0.29	0.08	0.03	0.00	0.33	0.73	0.02
IN.	0.00	0.08	0.73	1.48	3.45	0.33	0.09	0.03	0.00	0.38	0.84	0.03

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1966 - 2005, BY WATER YEAR (WY)

MEAN	2.32	4.91	18.0	34.2	43.3	38.4	4.67	1.08	0.23	1.20	2.40	3.21
MAX	51.1	52.4	218	573	348	444	29.5	10.5	2.17	22.6	49.9	104
(WY)	2001	1979	1979	1993	1980	1978	1992	1979	1980	2005	2005	1970
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(WY)	1966	1968	1969	1970	1970	1971	1971	1966	1966	1966	1967	1968

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1966 - 2005	
ANNUAL TOTAL	1764.60		13660.72			
ANNUAL MEAN	4.82		37.4		12.9	
HIGHEST ANNUAL MEAN					71.7	1993
LOWEST ANNUAL MEAN					0.00	1977
HIGHEST DAILY MEAN	712	Dec 29	1910	Feb 12	5070	Mar 2 1978
LOWEST DAILY MEAN	0.00	Jan 1	0.00	Oct 1	0.00	Oct 1 1965
ANNUAL SEVEN-DAY MINIMUM	0.00	Jan 1	0.00	Oct 1	0.00	Oct 1 1965
ANNUAL RUNOFF (AC-FT)	3500		27100		9350	
ANNUAL RUNOFF (CFSM)	0.071		0.548		0.189	
ANNUAL RUNOFF (INCHES)	0.96		7.44		2.57	
10 PERCENT EXCEEDS	2.9		52		10	
50 PERCENT EXCEEDS	0.00		2.7		0.00	
90 PERCENT EXCEEDS	0.00		0.00		0.00	

e Estimated