GILA RIVER BASIN

09497980 CHERRY CREEK NEAR GLOBE, AZ

LOCATION.--Lat 33°49'40", long 110°51'20", in SW1/4 sec. 30, T.6 N., R.15 E. (unsurveyed), Gila County, Hydrologic Unit 15060103, in Tonto National Forest, on right bank 0.2 mi upstream from Devils Chasm, 13 mi upstream from mouth, and 30 mi north of Globe.

DRAINAGE AREA.--200 mi^2.

PERIOD OF RECORD.--May 1965 to current year (monthly discharge only Feb. to Sept. 1979).

GAGE.--Water-stage recorder. Elevation of gage is 3,200 ft above sea level, from topographic map. Prior to Jan. 17, 1979, at site 125 ft downstream at datum 2.95 ft lower.

REMARKS.--Records good.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 15,700 ft^3/s Jan. 17, 1979, gage height, unknown, from slope-area measurement of peak flow; minimum daily, 2.4 ft^3/s Sept. 17, 22, 25, and 29, 1978.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 750 ft^3/s and (or) maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Mar. 17.....	0715	*481	*4.40

Minimum daily discharge, 2.2 ft^3/s July 6, 10–12.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.7	3.3	4.6	4.2	4.1	37	13	5.2	4.1	2.4	8.0	4.1
2	2.7	3.3	4.2	4.2	4.1	24	12	5.2	3.6	2.4	4.5	3.1
3	2.9	3.3	4.2	4.2	3.9	23	11	5.2	3.4	2.3	3.3	2.8
4	2.9	3.3	4.1	4.2	4.0	26	11	5.1	3.3	2.3	2.8	2.7
5	2.8	3.3	4.1	4.2	4.1	30	10	5.1	3.3	2.3	2.7	3.0
6	2.8	3.3	4.1	4.2	4.1	38	9.5	5.1	3.3	2.2	2.5	3.1
7	2.8	3.4	4.1	4.2	4.1	47	9.0	5.0	3.2	2.3	2.5	3.4
8	2.9	3.4	4.2	4.4	4.4	68	8.5	4.9	3.2	2.3	2.5	3.0
9	2.8	3.7	4.1	4.7	4.5	98	8.0	4.9	3.2	2.3	2.6	8.9
10	2.8	5.3	4.1	4.2	4.1	140	7.5	4.8	3.2	2.2	2.5	20
11	2.8	3.8	4.1	4.2	4.1	151	7.1	4.8	3.2	2.2	2.5	7.6
12	2.8	3.6	4.1	4.2	4.1	140	6.7	4.6	3.2	2.2	2.5	4.6
13	2.9	3.6	4.1	4.2	6.4	109	6.5	4.5	3.2	2.9	2.5	3.7
14	2.9	3.7	4.1	4.2	9.0	84	6.4	4.5	3.1	2.7	3.2	3.4
15	2.9	3.6	4.1	4.2	7.4	60	7.8	4.5	2.9	2.6	3.1	3.2
16	2.8	3.6	4.1	4.1	5.5	70	6.6	4.3	2.8	2.5	2.9	3.1
17	2.9	3.7	5.1	4.2	4.9	359	6.5	4.2	2.8	2.6	2.8	2.9
18	2.9	3.7	5.4	4.2	4.7	246	6.2	4.1	2.8	2.5	2.7	2.9
19	3.0	3.7	4.8	4.1	4.4	173	6.2	4.1	2.8	2.4	2.8	3.0
20	3.0	3.8	4.3	4.2	4.2	138	6.1	4.0	2.7	2.4	2.6	3.0
21	3.0	3.8	4.3	4.3	4.2	144	6.0	3.9	2.7	3.0	2.5	2.8
22	3.0	3.8	4.2	4.2	4.3	125	5.9	3.9	2.7	3.4	2.5	2.9
23	3.1	3.8	4.8	4.1	4.2	89	5.8	3.7	2.7	2.8	2.5	2.9
24	3.1	3.8	4.8	4.2	4.2	63	5.8	3.7	2.6	2.6	2.7	3.0
25	3.1	4.0	4.4	4.1	5.5	44	5.7	3.6	2.6	2.5	2.8	3.2
26	3.1	4.1	4.2	4.1	15	33	5.6	3.6	2.6	2.5	3.5	3.5
27	3.6	4.1	4.2	4.1	20	26	5.5	3.5	2.5	2.5	3.7	3.1
28	3.6	4.1	4.2	4.1	40	22	5.4	3.6	2.5	2.7	3.7	3.0
29	3.3	4.2	4.2	4.1	---	18	5.3	3.7	2.4	3.1	9.5	2.9
30	3.3	5.3	4.3	4.1	---	16	5.3	3.6	2.4	3.5	5.4	2.7
31	3.3	---	4.2	4.1	---	14	---	4.7	---	16	7.0	---
TOTAL	92.5	113.4	133.8	130.0	193.5	2655	221.9	135.6	89.0	92.6	107.3	121.5
MEAN	2.98	3.78	4.32	4.19	6.91	85.6	7.40	4.37	2.97	2.99	3.46	4.05
MAX	3.6	5.3	5.4	4.7	40	359	13	5.2	4.1	16	9.5	20
MIN	2.7	3.3	4.1	4.1	3.9	14	5.3	3.5	2.4	2.2	2.5	2.7
AC-FT	183	225	265	258	384	5270	440	269	177	184	213	241
CFSM	0.01	0.02	0.02	0.02	0.03	0.43	0.04	0.02	0.01	0.01	0.02	0.02
IN.	0.02	0.02	0.02	0.02	0.04	0.49	0.04	0.03	0.02	0.02	0.02	0.02

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1965 - 2003, BY WATER YEAR (WY)

MEAN	20.8	19.2	57.0	69.0	83.6	88.7	28.2	11.3	6.92	9.18	15.7	13.7
MAX	296	101	537	652	568	423	195	65.7	18.0	28.1	84.7	151
(WY)	1973	1973	1966	1993	1980	1978	1973	1973	1973	1999	1988	1970
MIN	2.98	3.78	4.32	4.19	4.77	4.61	3.98	2.99	2.29	2.99	2.82	2.81
(WY)	2003	2003	2003	2003	2002	2002	2002	2002	2002	2003	2002	2002

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1965 - 2003	
ANNUAL TOTAL	1311.0		4086.1			
ANNUAL MEAN	3.59		11.2		33.2	
HIGHEST ANNUAL MEAN					130	1973
LOWEST ANNUAL MEAN					3.77	2002
HIGHEST DAILY MEAN	10	Jul 18	359	Mar 17	13000	Jan 17 1979
LOWEST DAILY MEAN	2.0	Jul 2	2.2	Jul 6	2.0	Jul 2 2002
ANNUAL SEVEN-DAY MINIMUM	2.2	Jun 17	2.2	Jul 6	2.2	Jun 17 2002
ANNUAL RUNOFF (AC-FT)	2600		8100		24020	
ANNUAL RUNOFF (CFSM)	0.018		0.056		0.17	
ANNUAL RUNOFF (INCHES)	0.24		0.76		2.25	
10 PERCENT EXCEEDS	4.8		13		55	
50 PERCENT EXCEEDS	3.6		4.1		8.0	
90 PERCENT EXCEEDS	2.5		2.6		4.7	