GILA RIVER BASIN

09503700 VERDE RIVER NEAR PAULDEN, AZ

LOCATION.--Lat 34°53'40", long 112°20'32", in SW1/4SE1/4 sec. 39, T.18 N., R.1 W., Yavapai County, Hydrologic Unit 15060202, in Prescott National Forest, on right bank 0.3 mi upstream from Verde Valley Ranch, 7 mi east of Paulden, 8 mi upstream from Hell Canyon, 8 mi downstream from Granite Creek, and 10 mi downstream from Sullivan Lake.

DRAINAGE AREA.--2,507 mi^2 (includes 357 mi^2 in Aubrey Valley Playa, a closed basin).

PERIOD OF RECORD.--July 1963 to current year.

REVISED RECORDS.--WDR AZ–83–1: 1981. WDR AZ–89–1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 4,117 ft above sea level, from topographic map.

REMARKS.--No estimated daily discharges. Records good. Diversions and storage above station for irrigation and municipal use.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 23,200 ft^3/s Feb. 20, 1993, gage height, 14.25 ft, from rating curve extended above 7,600 ft^3/s on basis of slope-area measurement of peak flow; minimum daily discharge, 15 ft^3/s May 13–23, 1964.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 300 ft^3/s and (or) maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Oct. 10.....	2000	552	3.82
Sept. 20.....	0245	*12,350	*13.08

Minimum daily discharge, 19 ft^3/s on many days.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20	23	22	22	22	22	22	21	20	20	20	20
2	20	23	22	22	22	22	24	21	20	19	20	20
3	20	23	22	22	22	22	23	21	20	19	20	20
4	20	23	22	22	22	22	22	21	20	20	20	20
5	20	23	22	22	22	22	22	20	20	19	20	20
6	20	23	22	22	22	22	23	20	20	19	23	20
7	20	23	22	22	22	23	22	20	20	19	36	20
8	20	23	23	22	21	23	22	20	20	20	21	20
9	20	23	22	22	22	23	22	20	20	19	20	20
10	68	23	23	22	21	23	21	20	20	20	20	20
11	42	23	23	22	21	22	21	20	20	20	20	21
12	25	24	23	22	21	23	21	20	20	20	21	20
13	24	23	23	22	21	23	21	20	20	20	20	20
14	23	23	23	22	21	22	21	20	20	23	20	20
15	23	22	23	22	21	22	21	20	20	25	21	20
16	23	22	23	22	21	21	22	19	20	39	20	20
17	23	22	23	22	21	21	22	19	20	22	20	20
18	23	22	23	21	21	22	22	19	20	21	20	21
19	23	22	23	21	22	22	22	19	20	21	20	1570
20	23	22	23	22	21	22	22	19	20	20	20	6280
21	23	22	23	21	22	22	22	20	20	20	20	714
22	23	22	23	21	22	22	22	20	20	20	20	198
23	23	22	22	21	22	22	22	20	20	20	20	87
24	23	22	23	21	22	22	22	20	20	20	20	54
25	23	22	23	22	22	22	22	20	20	20	20	38
26	22	22	23	21	22	22	22	20	20	20	20	31
27	23	22	22	21	22	22	22	20	20	20	19	29
28	23	22	22	22	22	23	21	19	20	20	20	28
29	23	22	22	22	22	22	21	20	20	20	19	27
30	23	22	22	22	---	23	21	20	20	20	20	27
31	22	---	23	22	---	22	---	20	---	20	20	---
TOTAL	751	675	700	674	627	688	655	618	600	645	640	9445
MEAN	24.2	22.5	22.6	21.7	21.6	22.2	21.8	19.9	20.0	20.8	20.6	315
MAX	68	24	23	22	22	23	24	21	20	39	36	6280
MIN	20	22	22	21	21	21	21	19	20	19	19	20
AC-FT	1490	1340	1390	1340	1240	1360	1300	1230	1190	1280	1270	18730
CFSM	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.15
IN.	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.16

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1963 - 2004, BY WATER YEAR (WY)

MEAN	30.5	26.6	39.9	55.4	108	69.5	31.8	24.6	23.7	25.3	31.4	43.5
MAX	200	43.7	295	861	1443	669	155	30.7	27.5	36.4	83.6	440
(WY)	1973	1986	1966	1993	1993	1978	1965	1967	1995	1996	2003	1983
MIN	18.7	20.4	21.9	21.7	19.6	19.3	21.3	16.2	20.0	19.3	20.0	20.4
(WY)	1964	1965	1978	1972	1964	1972	1972	1964	2004	2003	2002	1978

SUMMARY STATISTICS	FOR 2004 WATER YEAR		WATER YEARS 1963 - 2004	
ANNUAL TOTAL	16718			
ANNUAL MEAN	45.7		42.2	
HIGHEST ANNUAL MEAN			215	1993
LOWEST ANNUAL MEAN			22.5	2000
HIGHEST DAILY MEAN	6280	Sep 20	13700	Feb 20 1993
LOWEST DAILY MEAN	19	May 16	15	May 13 1964
ANNUAL SEVEN-DAY MINIMUM	19	May 14	15	May 13 1964
ANNUAL RUNOFF (AC-FT)	33160		30540	
ANNUAL RUNOFF (CFSM)	0.021		0.020	
ANNUAL RUNOFF (INCHES)	0.29		0.27	
10 PERCENT EXCEEDS	23		29	
50 PERCENT EXCEEDS	22		25	
90 PERCENT EXCEEDS	20		21	