

## GILA RIVER BASIN

09513800 NEW RIVER AT NEW RIVER, AZ

LOCATION.--Lat 33°54'41", long 112°08'26", in NW<sup>1</sup>/<sub>4</sub>NE<sup>1</sup>/<sub>4</sub> sec.34, T.7 N., R.2 E., Maricopa County, Hydrologic Unit 15070102, near center of downstream side of bridge on east frontage road of Interstate Highway 17, 0.5 mi southwest of village of New River, and 10 mi south of Rock Springs.

DRAINAGE AREA.--83.3 mi<sup>2</sup>.

PERIOD OF RECORD.--December 1960 to September 1982 (discontinued). Prior to October 1965, published as "near Black Canyon."

REVISED RECORDS.--WRD Ariz. 1972: Drainage area (former site).

GAGE.--Water-stage recorder. Datum of gage is 1,984.02 ft above sea level. Prior to Feb. 1, 1972, at site 0.3 mi downstream at datum 10.86 ft lower (now used as supplementary gage).

REMARKS.--Records good except those for the period March 28 to May 13, which are fair. No storage or diversion above station.

AVERAGE DISCHARGE.--21 years (water years 1962-82), 14.4 ft<sup>3</sup>/s, 10,430 acre-ft/yr; median of yearly mean discharges, 3.1 ft<sup>3</sup>/s, 2,200 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 19,500 ft<sup>3</sup>/s Sept. 5, 1970, gage height, 9.98 ft, from rating curve extended above 1,300 ft<sup>3</sup>/s on basis of slope-area measurements at gage heights 5.57, 7.33, 9.12, and 9.98 ft; maximum gage height, 12.34 ft Mar. 2, 1978, from high-water mark in gage well; no flow for many days each year.

### Annual peak discharges

Water year	Date	Annual peak discharge (ft <sup>3</sup> /s)	Discharge codes	Water year	Date	Annual peak discharge (ft <sup>3</sup> /s)	Discharge codes
1961	07-22-61	325		1972	08-12-72	525	
1962	09-28-62	1,430		1973	02-11-73	4,250	
1963	08-16-63	4,620		1974	08-05-74	49	
1964	08-02-64	4,380		1975	11-02-74	2,280	
1965	04-04-65	1,990		1976	02-09-76	7,050	
1966	12-22-65	4,180		1977	08-17-77	805	
1967	08-10-67	1,420		1978	03-02-78	18,000	
1968	12-19-67	12,600		1979	12-18-78	5,560	
1969	09-05-69	1,310		1980	02-19-80	14,900	
1970	09-05-70	19,500		1981	09-23-81	20	
1971	08-21-71	5,090		1982	10-01-81	2,510	

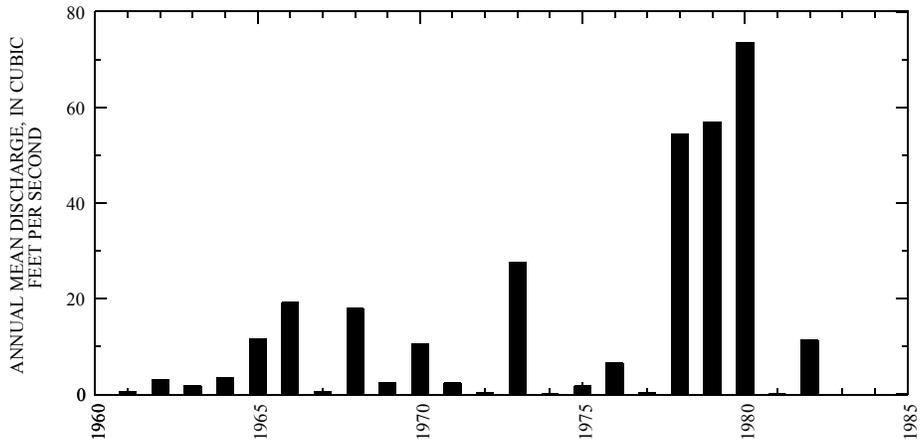
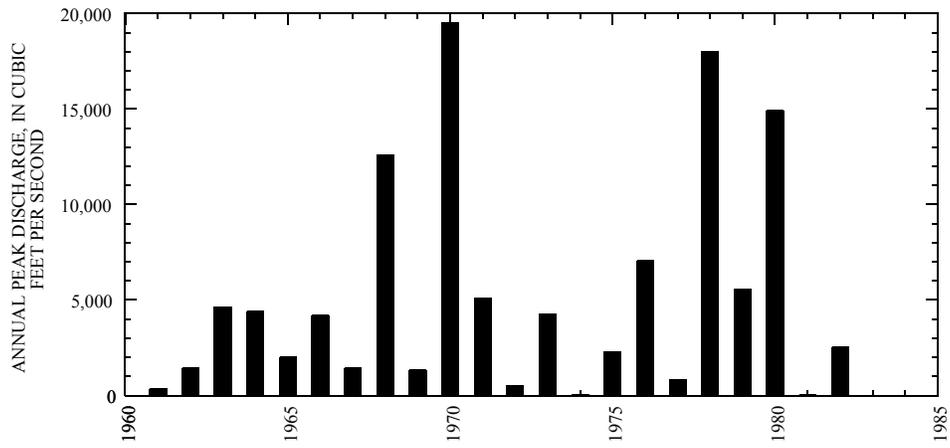
### Basin characteristics

Main channel slope (ft/mi)	Stream length (mi)	Mean basin elevation (ft)	Forested area (percent)	Soil index	Mean annual precipitation (in)	Rainfall intensity, 24-hour	
						2-year (in)	50-year (in)
105	25.9	3,600	0.2	1.0	19.5	2.3	4.6



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