

GILA RIVER BASIN

09517400 WINTERS WASH NEAR TONOPAH, AZ

LOCATION.--Lat 33°29'22", long 112°55'05", in SW¹/₄NW¹/₄ sec.30, T.2 N., R.6 W., Maricopa County, Hydrologic Unit 15070104, 0.3 mi downstream from Airline Road, and 1 mi east of Tonopah.

DRAINAGE AREA.--47.8 mi².

Annual peak discharges

Water year	Date	Annual peak discharge (ft ³ /s)	Discharge codes	Water year	Date	Annual peak discharge (ft ³ /s)	Discharge codes
1962	09-05-62	776		1971	08-20-71	1,000	
1963	09-03-63	100	ES	1972	08-12-72	795	
1964	08-00-64	850		1973	10-06-72	2,100	
1965	02-07-65	810		1974	03-20-74	900	
1966	12-10-65	390		1975	10-28-74	560	
1967	09-03-67	900		1976	09-25-76	3,640	
1968	12-19-67	1,350		1977	08-16-77	60	ES
1969	11-15-68	960		1978	03-02-78	1,800	
1970	09-05-70	480		1979	12-18-78	2,100	

Magnitude and probability of instantaneous peak flow based on period of record 1962-79

Discharge, in ft ³ /s, for indicated recurrence interval in years, and exceedance probability, in percent					
2	5	10	25	50†	100†
50%	20%	10%	4%	2%	1%
857	1,540	2,120	2,980	3,720	4,560
Weighted skew	(logs) =	0.11			
Mean	(logs) =	2.94			
Standard dev.	(logs) =	0.30			

† Reliability of values in column is uncertain, and potential errors are large.

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)
83.7	18.0	1,630	0.0	1.0	9.1	1.5	3.6

