

GILA RIVER BASIN

09519780 WINDMILL WASH NEAR GILA BEND, AZ

LOCATION.--Lat 33°02'54", long 112°50'17", in SE¹/₄ sec.25, T.4 S., R.6 W., Maricopa County, Hydrologic Unit 15070101, at county road, 10.5 mi northwest of Gila Bend.

DRAINAGE AREA.--12.9 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
1964	00-00-64	0		1972	06-06-72	5.0	ES
1965	02-09-65	10	LT	1973	10-00-72	60	ES
1966	09-13-66	967		1974	08-03-74	340	ES
1967	09-03-67	2,510		1975	10-29-74	1,900	
1968	12-19-67	4,430		1976	09-26-76	200	ES
1969	09-15-69	150		1977	09-27-77	10	ES
1970	08-12-70	65		1978	04-13-78	20	ES
1971	08-15-71	1,850					

Magnitude and probability of instantaneous peak flow based on period of record 1964-78

Discharge, in ft ³ /s, for indicated recurrence interval in years, and exceedance probability, in percent					
2 50%	5 20%	10 10%	25 4%	50† 2%	100† 1%
155	1,160	3,120	8,550	16,000	27,600
Weighted skew	(logs) =	-0.28			
Mean	(logs) =	2.14			
Standard dev.	(logs) =	1.09			

† 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)
64.4	9.1	1,050	0.0	1.0	6.1	1.3	3.6

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09519780 WINDMILL WASH NEAR GILA BEND, AZ--Continued

