

## BILL WILLIAMS RIVER BASIN

09424700 IRON SPRING WASH TRIBUTARY NEAR BAGDAD, AZ

LOCATION.--Lat 34°31'20", long 113°06'43", in NE<sup>1</sup>/<sub>4</sub>SE<sup>1</sup>/<sub>4</sub> sec.29, T.14 N., R.8 W., Yavapai County, Hydrologic Unit 15030203, at State Highway 96, 6.6 mi southeast of Bagdad.

DRAINAGE AREA.--0.64 mi<sup>2</sup>.

### 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
1964	09-25-64	150		1972	08-00-72	0.5	
1965	04-04-65	10	ES	1973	10-00-72	25	ES
1966	11-23-65	65		1974	08-05-74	4.0	ES
1967	12-06-66	10		1975	11-02-74	1.0	ES
1968	08-12-68	85		1976	02-06-76	9.0	
1969	01-14-69	5.0	ES	1978	03-01-78	180	
1970	08-12-70	6.0	ES	1979	00-00-79	125	
1971	08-00-71	0.6	ES				

Magnitude and probability of instantaneous peak flow based on period of record 1964-76, 1978-79

Discharge, in ft <sup>3</sup> /s, for indicated recurrence interval in years, and exceedance probability, in percent					
2	5	10	25	50†	100†
50%	20%	10%	4%	2%	1%
12.4	63.5	146	348	607	993
Weighted skew	(logs) =	-0.11			
Mean	(logs) =	1.08			
Standard dev.	(logs) =	0.86			

† 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)
431	2.6	3,470	0.0	1.0	12.1	1.9	4.0

