

AR0021717

Flippin

StreamStats Version 3.0**Flow Statistics Ungaged Site Report**

Date: Thurs Apr 6, 2017 2:07:11 PM GMT-5

Study Area: Arkansas

NAD 1983 Latitude: 36.2834 (36 17 00)

NAD 1983 Longitude: -92.586 (-92 35 10)

Drainage Area: 9.88 mi²

Peak Flows Region Grid Basin Characteristics			
Peakflow Region Number=1507			
Unadjusted 10-85 stream slope method in feet per mile.=40.4			
100% Peak Region C 95 4224 (9.88 mi ²)			
Parameter	Value	Regression Equation Valid Range	
		Min	Max
Drainage Area (square miles)	9.88	0.0811	2040

Low Flows Region Grid Basin Characteristics			
Lowflow Region number=1438			
100% Low Flow Region 1 2008 5065 (9.88 mi ²)			
Parameter	Value	Regression Equation Valid Range	
		Min	Max
Drainage Area (square miles)	9.88 (below min value 12.1)	12.1	828.5
Percent Surficial Geology Ordo and Miss (percent)	100	0	100
Mean Basin Hydrologic Soils Index (dimensionless)	2.97 (above max value 2.7)	2.5	2.7
Mean March Precipitation (inches)	4.32	4.1	5.3
Basin Ave Rainfall Nov Apr PRISM 2000 (inches)	23.6	21.3	26.2

Warning: Some parameters are outside the suggested range. Estimates will be extrapolations with unknown errors.

Probability of Zero Flow Basin Characteristics			
Zeroflow Region Number=1445			
100% Pzero Flow Region 1 2008 5065 (9.88 mi ²)			
Parameter	Value	Regression Equation Valid Range	
		Min	Max
Drainage Area (square miles)	9.88 (below min value 12.1)	12.1	829
Tau Annual from Grid (years)	20	5.5	26.7
Percent Surficial Geology Ordo and Miss (percent)	100	0	100

Warning: Some parameters are outside the suggested range. Estimates will be extrapolations with unknown errors.

Peak Flows Region Grid Statistics						
Statistic	Value	Unit	Prediction Error (percent)	Equivalent years of record	90-Percent Prediction Interval	
					Min	Max
PK2	1290	ft3/s	42	3	655	2540
PK5	2280	ft3/s	38	5	1240	4220
PK10	3020	ft3/s	37	6	1680	5450
PK25	3990	ft3/s	36	9	2250	7080
PK50	4780	ft3/s	35	11	2710	8440
PK100	5520	ft3/s	35	12	3120	9770
PK500	7400	ft3/s	37	15	4090	13400

<http://pubs.er.usgs.gov/usgspubs/wri/wri954224> (<http://pubs.er.usgs.gov/usgspubs/wri/wri954224>)

Hodge, S.A., and Tasker, G.D., 1995, Magnitude and Frequency of Floods in Arkansas; U.S. Geological Survey Water-Resources Investigations Report 95-4224, 52 p.

Low Flows Region Grid Statistics						
Statistic	Value	Unit	Prediction Error (percent)	Equivalent years of record	90-Percent Prediction Interval	
					Min	Max
M7D2Y	0.0467	ft3/s				
M7D10Y	0.006	ft3/s				
M7D10Y1104	0.79	ft3/s				
M7D10Y1112	0.63	ft3/s				
M7D10Y0102	0.79	ft3/s				
M7D10Y0304	1.29	ft3/s				
M7D10Y11	1	ft3/s				
M7D10Y12	0.79	ft3/s				
M7D10Y01	1.25	ft3/s				
M7D10Y02	0.91	ft3/s				
M7D10Y03	1.11	ft3/s				
M7D10Y04	1.15	ft3/s				

<http://pubs.usgs.gov/sir/2008/5065/pdf/SIR2008-5065.pdf> (<http://pubs.usgs.gov/sir/2008/5065/pdf/SIR2008-5065.pdf>)

Funkhouser, J.E., Eng, Ken, and Moix, M.W., 2008, Low-Flow Characteristics and Regionalization of Low Flow Characteristics for Selected Streams in Arkansas; U. S. Geological Survey Scientific Investigations Report 2008-5065, 161 p.

Probability of Zero Flow Statistics						
Statistic	Value	Unit	Standard Error (percent)	Equivalent years of record	90-Percent Prediction Interval	
					Min	Max
PROB 7DAY	0.00783	dim				
PROB7D1104	0.000762	dim				
PROB7D1112	0.000636	dim				
PROB7D11	0.000581	dim				

<http://pubs.usgs.gov/sir/2008/5065/pdf/SIR2008-5065.pdf> (<http://pubs.usgs.gov/sir/2008/5065/pdf/SIR2008-5065.pdf>)

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