

Flow Statistics Ungaged Site Report

Date: Thurs Sept 22, 2016 12:10:05 PM GMT-5

Study Area: Arkansas

NAD 1983 Latitude: 33.0325 (33 01 57)

NAD 1983 Longitude: -92.0877 (-92 05 16)

Drainage Area: 10800 mi²

Low Flows Region Grid Basin Characteristics			
Lowflow Region number=1439			
100% Low Flow Region 2 2008 5065 (10800 mi ²)			
Parameter	Value	Regression Equation Valid Range	
		Min	Max
Drainage Area (square miles)	10800 (above max value 932)	4.7	932
Percent Surficial Geology Ordo and Miss (percent)	33.2	0	100
Mean March Precipitation (inches)	5.31	4.1	6.6
Mean November Precipitation (inches)	5.07	4.3	5.6
Basin Ave Rainfall Nov Apr PRISM 1990 (inches)	28	8.3	31.1
Tau Annual from Grid (years)	10	5.5	26.7
Tau Mar Apr from Grid (years)	8	4.5	25.2
Tau Nov Dec from Grid (years)	10	6.5	12.3
Mean Annual Precipitation (inches)	55.2	44.5	61.9
Basin Ave Rainfall Nov Dec (inches)	10.1	7.6	10.9

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

Low Flows Region Grid Statistics					
Statistic	Value	Unit	Prediction Error (percent)	Equivalent years of record	90-Percent Prediction
					Min
M7D2Y	54.5	ft ³ /s			
M7D10Y	93.8	ft ³ /s			
M7D10Y1104	4.34	ft ³ /s			
M7D10Y1112	4.35	ft ³ /s			

M7D10Y0102	38800	ft3/s			
M7D10Y0304	1670	ft3/s			
M7D10Y11	6.97	ft3/s			
M7D10Y12	993	ft3/s			
M7D10Y01	1250	ft3/s			
M7D10Y02	6320	ft3/s			
M7D10Y03	7560	ft3/s			
M7D10Y04	3470	ft3/s			

<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 Sel

1 errors.

Percent Interval
Max

ected Streams in Arkansas: U. S. Geological Survey Scientific Investigations Report 2008-5065_ 161 p.