

# StreamStats Version 3.0

## Flow Statistics Ungaged Site Report

Date: Tues Mar 22, 2016 8:24:33 AM GMT-6

Study Area: Utah

NAD 1983 Latitude: 40.7296 ( 40 43 46)

NAD 1983 Longitude: -111.8515 (-111 51 06)

Drainage Area: 21.3 mi<sup>2</sup>

Peak Flows Basin Characteristics			
100% Region 2 (21.3 mi <sup>2</sup> )			
Parameter	Value	Regression Equation Valid Range	
		Min	Max
Drainage Area (square miles)	21.3	2.14	84.1
Mean Annual Precipitation (inches)	31.5	16.5	53.7

Monthly Exceedance and Annual Mean Flows Basin Characteristics			
100% Mean Flow SIR08 5230 Region 2 (21.3 mi <sup>2</sup> )			
Parameter	Value	Regression Equation Valid Range	
		Min	Max
Drainage Area (square miles)	21.3	2.14	70.1
Mean Basin Elevation (feet)	6320 (below min value 6440)	6440	8550
Mean Annual Precipitation (inches)	31.5	22.3	49.5
Mean August Precipitation (inches)	1.11	0.92	2

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

Peak Flows Statistics						
Statistic	Value	Unit	Prediction Error (percent)	Equivalent years of record	90-Percent Prediction Interval	
					Min	Max
PK2	73.9	ft <sup>3</sup> /s	71	0.9		
PK5	118	ft <sup>3</sup> /s	58	1.6		
PK10	152	ft <sup>3</sup> /s	53	2.5		
PK25	184	ft <sup>3</sup> /s	51	3.7		
PK50	227	ft <sup>3</sup> /s	50	4.6		
PK100	259	ft <sup>3</sup> /s	50	5.4		
PK200	290	ft <sup>3</sup> /s	51	6.1		
PK500	343	ft <sup>3</sup> /s	52	6.8		

<http://pubs.usgs.gov/sir/2007/5158/> (<http://pubs.usgs.gov/sir/2007/5158/>)

Kenney\_ T.A.\_ Wilkowske\_ C.D.\_ and Wright\_ S.J.\_ 2007\_ Methods for Estimating Magnitude and Frequency of Peak Flows for Natural Streams in Utah: U.S. Geological Survey Scientific Investigations Report 2007-5158\_ 28 p.

Monthly Exceedance and Annual Mean Flows Statistics						
Statistic	Value	Unit	Prediction Error (percent)	Equivalent years of record	90-Percent Prediction Interval	
					Min	Max

QA	12	ft3/s				
JAND20	3.25	ft3/s				
JAND50	1.77	ft3/s				
JAND80	1.12	ft3/s				
FEBD20	4.98	ft3/s				
FEBD50	2.17	ft3/s				
FEBD80	1.21	ft3/s				
MARD20	11.5	ft3/s				
MARD50	7.21	ft3/s				
MARD80	5.08	ft3/s				
APRD20	27.7	ft3/s				
APRD50	14.9	ft3/s				
APRD80	8.13	ft3/s				
MAYD20	51.5	ft3/s				
MAYD50	28.4	ft3/s				
MAYD80	15	ft3/s				
JUND20	32.3	ft3/s				
JUND50	18.4	ft3/s				
JUND80	9.73	ft3/s				
JULD20	4.59	ft3/s				
JULD50	2.5	ft3/s				
JULD80	1.2	ft3/s				
AUGD20	4.59	ft3/s				
AUGD50	2.63	ft3/s				
AUGD80	1.44	ft3/s				
SEPD20	2.42	ft3/s				
SEPD50	1.35	ft3/s				
SEPD80	0.78	ft3/s				
OCTD20	2.92	ft3/s				
OCTD50	1.78	ft3/s				
OCTD80	0.99	ft3/s				
NOVD20	3.34	ft3/s				
NOVD50	1.98	ft3/s				
NOVD80	1.26	ft3/s				
DECD20	3.22	ft3/s				
DECD50	1.82	ft3/s				
DECD80	1.07	ft3/s				

<http://pubs.usgs.gov/sir/2008/5230/> (<http://pubs.usgs.gov/sir/2008/5230/>)  
Wilkowske\_ C.D.\_ Kenney\_ T.A.\_ and Wright\_ S.J.\_ 2009\_ Methods for Estimating Monthly and Annual Streamflow Statistics at Ungaged Sites in Utah: U.S. Geological Survey Scientific Investigations Report 2008-5230\_ 62 p.

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