

# StreamStats Version 3.0

## Flow Statistics Ungaged Site Report

Date: Tues Mar 22, 2016 9:06:13 AM GMT-6

Study Area: Utah

NAD 1983 Latitude: 40.7085 ( 40 42 31)

NAD 1983 Longitude: -111.9212 (-111 55 17)

Drainage Area: 36.7 mi<sup>2</sup>

Peak Flows Basin Characteristics			
100% Region 2 (36.7 mi <sup>2</sup> )			
Parameter	Value	Regression Equation Valid Range	
		Min	Max
Drainage Area (square miles)	36.7	2.14	84.1
Mean Annual Precipitation (inches)	27.8	16.5	53.7

Monthly Exceedance and Annual Mean Flows Basin Characteristics			
100% Mean Flow SIR08 5230 Region 2 (36.7 mi <sup>2</sup> )			
Parameter	Value	Regression Equation Valid Range	
		Min	Max
Drainage Area (square miles)	36.7	2.14	70.1
Mean Basin Elevation (feet)	6420 (below min value 6440)	6440	8550
Mean Annual Precipitation (inches)	27.8	22.3	49.5
Mean August Precipitation (inches)	1.18	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	90	ft <sup>3</sup> /s	71	0.9		
PK5	140	ft <sup>3</sup> /s	58	1.6		
PK10	177	ft <sup>3</sup> /s	53	2.5		
PK25	213	ft <sup>3</sup> /s	51	3.7		
PK50	260	ft <sup>3</sup> /s	50	4.6		
PK100	294	ft <sup>3</sup> /s	50	5.4		
PK200	329	ft <sup>3</sup> /s	51	6.1		
PK500	382	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	15.3	ft3/s				
JAND20	5.12	ft3/s				
JAND50	2.78	ft3/s				
JAND80	1.75	ft3/s				
FEBD20	7.95	ft3/s				
FEBD50	3.45	ft3/s				
FEBD80	1.95	ft3/s				
MARD20	16.1	ft3/s				
MARD50	10.3	ft3/s				
MARD80	7.46	ft3/s				
APRD20	34.6	ft3/s				
APRD50	18.8	ft3/s				
APRD80	10.1	ft3/s				
MAYD20	58.2	ft3/s				
MAYD50	31.3	ft3/s				
MAYD80	16.4	ft3/s				
JUND20	35.2	ft3/s				
JUND50	20.7	ft3/s				
JUND80	11.5	ft3/s				
JULD20	7.12	ft3/s				
JULD50	3.95	ft3/s				
JULD80	1.95	ft3/s				
AUGD20	5.79	ft3/s				
AUGD50	3.34	ft3/s				
AUGD80	1.84	ft3/s				
SEPD20	3.78	ft3/s				
SEPD50	2.12	ft3/s				
SEPD80	1.23	ft3/s				
OCTD20	4.59	ft3/s				
OCTD50	2.77	ft3/s				
OCTD80	1.53	ft3/s				
NOVD20	5.32	ft3/s				
NOVD50	3.13	ft3/s				
NOVD80	1.98	ft3/s				
DECD20	5.08	ft3/s				
DECD50	2.88	ft3/s				
DECD80	1.69	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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URL: [http://streamstatsags.cr.usgs.gov/v3\\_beta/FTreport.htm](http://streamstatsags.cr.usgs.gov/v3_beta/FTreport.htm)

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