

# StreamStats Version 3.0

## Flow Statistics Ungaged Site Report

Date: Tues Mar 22, 2016 9:14:56 AM GMT-6

Study Area: Utah

NAD 1983 Latitude: 40.6803 ( 40 40 49)

NAD 1983 Longitude: -111.9115 (-111 54 42)

Drainage Area: 81.5 mi<sup>2</sup>

Peak Flows Basin Characteristics			
100% Region 2 (81.5 mi <sup>2</sup> )			
Parameter	Value	Regression Equation Valid Range	
		Min	Max
Drainage Area (square miles)	81.5	2.14	84.1
Mean Annual Precipitation (inches)	33.6	16.5	53.7

Monthly Exceedance and Annual Mean Flows Basin Characteristics			
100% Mean Flow SIR08 5230 Region 2 (81.5 mi <sup>2</sup> )			
Parameter	Value	Regression Equation Valid Range	
		Min	Max
Drainage Area (square miles)	81.5 (above max value 70.1)	2.14	70.1
Mean Basin Elevation (feet)	7350	6440	8550
Mean Annual Precipitation (inches)	33.6	22.3	49.5
Mean August Precipitation (inches)	1.41	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	268	ft <sup>3</sup> /s	71	0.9		
PK5	369	ft <sup>3</sup> /s	58	1.6		
PK10	445	ft <sup>3</sup> /s	53	2.5		
PK25	503	ft <sup>3</sup> /s	51	3.7		
PK50	602	ft <sup>3</sup> /s	50	4.6		
PK100	662	ft <sup>3</sup> /s	50	5.4		
PK200	719	ft <sup>3</sup> /s	51	6.1		
PK500	808	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	43.2	ft3/s				
JAND20	15.5	ft3/s				
JAND50	10	ft3/s				
JAND80	7.04	ft3/s				
FEBD20	20.1	ft3/s				
FEBD50	11.7	ft3/s				
FEBD80	7.97	ft3/s				
MARD20	44.8	ft3/s				
MARD50	25.8	ft3/s				
MARD80	17.4	ft3/s				
APRD20	94.2	ft3/s				
APRD50	52.5	ft3/s				
APRD80	26.4	ft3/s				
MAYD20	167	ft3/s				
MAYD50	96	ft3/s				
MAYD80	51.4	ft3/s				
JUND20	97.4	ft3/s				
JUND50	60.8	ft3/s				
JUND80	32.8	ft3/s				
JULD20	31.9	ft3/s				
JULD50	19.5	ft3/s				
JULD80	11.3	ft3/s				
AUGD20	10.4	ft3/s				
AUGD50	6.32	ft3/s				
AUGD80	3.68	ft3/s				
SEPD20	15	ft3/s				
SEPD50	9.59	ft3/s				
SEPD80	6.14	ft3/s				
OCTD20	16.3	ft3/s				
OCTD50	10.7	ft3/s				
OCTD80	6.79	ft3/s				
NOVD20	17.5	ft3/s				
NOVD50	11.7	ft3/s				
NOVD80	8.09	ft3/s				
DECD20	15.9	ft3/s				
DECD50	10.6	ft3/s				
DECD80	7.03	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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