

# StreamStats Version 3.0

## Flow Statistics Ungaged Site Report

Date: Tues Mar 22, 2016 8:53:53 AM GMT-6

Study Area: Utah

NAD 1983 Latitude: 40.7552 ( 40 45 19)

NAD 1983 Longitude: -111.7089 (-111 42 32)

Drainage Area: 21.5 mi<sup>2</sup>

Peak Flows Basin Characteristics			
100% Region 2 (21.5 mi <sup>2</sup> )			
Parameter	Value	Regression Equation Valid Range	
		Min	Max
Drainage Area (square miles)	21.5	2.14	84.1
Mean Annual Precipitation (inches)	32.1	16.5	53.7

Monthly Exceedance and Annual Mean Flows Basin Characteristics			
100% Mean Flow SIR08 5230 Region 2 (21.5 mi <sup>2</sup> )			
Parameter	Value	Regression Equation Valid Range	
		Min	Max
Drainage Area (square miles)	21.5	2.14	70.1
Mean Basin Elevation (feet)	7220	6440	8550
Mean Annual Precipitation (inches)	32.1	22.3	49.5
Mean August Precipitation (inches)	1.25	0.92	2

Peak Flows Statistics						
Statistic	Value	Unit	Prediction Error (percent)	Equivalent years of record	90-Percent Prediction Interval	
					Min	Max
PK2	77.8	ft3/s	71	0.9		
PK5	124	ft3/s	58	1.6		
PK10	159	ft3/s	53	2.5		
PK25	191	ft3/s	51	3.7		
PK50	237	ft3/s	50	4.6		
PK100	269	ft3/s	50	5.4		
PK200	301	ft3/s	51	6.1		
PK500	356	ft3/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	12.6	ft3/s	63			
JAND20	5.52	ft3/s	77			

JAND50	3.72	ft3/s	93			
JAND80	2.65	ft3/s	110			
FEBD20	6.68	ft3/s	84			
FEBD50	4.13	ft3/s	90			
FEBD80	2.84	ft3/s	110			
MARD20	12	ft3/s	63			
MARD50	7.42	ft3/s	62			
MARD80	5.2	ft3/s	77			
APRD20	28.9	ft3/s	54			
APRD50	15.6	ft3/s	72			
APRD80	8.47	ft3/s	100			
MAYD20	54.4	ft3/s	60			
MAYD50	30.2	ft3/s	72			
MAYD80	15.9	ft3/s	93			
JUND20	34.1	ft3/s	70			
JUND50	19.4	ft3/s	85			
JUND80	10.2	ft3/s	100			
JULD20	12.8	ft3/s	86			
JULD50	7.59	ft3/s	91			
JULD80	4.18	ft3/s	100			
AUGD20	5.97	ft3/s	130			
AUGD50	3.62	ft3/s	140			
AUGD80	2.08	ft3/s	160			
SEPD20	5.74	ft3/s	88			
SEPD50	3.74	ft3/s	91			
SEPD80	2.4	ft3/s	110			
OCTD20	6.02	ft3/s	76			
OCTD50	4.12	ft3/s	83			
OCTD80	2.69	ft3/s	110			
NOVD20	6.12	ft3/s	70			
NOVD50	4.28	ft3/s	80			
NOVD80	3.03	ft3/s	96			
DECD20	5.69	ft3/s	73			
DECD50	3.91	ft3/s	89			
DECD80	2.68	ft3/s	110			

<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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