

StreamStats Version 3.0

Flow Statistics Ungaged Site Report

Date: Tues Mar 22, 2016 8:47:24 AM GMT-6

Study Area: Utah

NAD 1983 Latitude: 40.7779 (40 46 40)

NAD 1983 Longitude: -111.8845 (-111 53 05)

Drainage Area: 17.8 mi²

Peak Flows Basin Characteristics			
100% Region 2 (17.8 mi ²)			
Parameter	Value	Regression Equation Valid Range	
		Min	Max
Drainage Area (square miles)	17.8	2.14	84.1
Mean Annual Precipitation (inches)	34.8	16.5	53.7

Monthly Exceedance and Annual Mean Flows Basin Characteristics			
100% Mean Flow SIR08 5230 Region 2 (17.8 mi ²)			
Parameter	Value	Regression Equation Valid Range	
		Min	Max
Drainage Area (square miles)	17.8	2.14	70.1
Mean Basin Elevation (feet)	6820	6440	8550
Mean Annual Precipitation (inches)	34.8	22.3	49.5
Mean August Precipitation (inches)	1.06	0.92	2

Peak Flows Statistics						
Statistic	Value	Unit	Prediction Error (percent)	Equivalent years of record	90-Percent Prediction Interval	
					Min	Max
PK2	80.4	ft3/s	71	0.9		
PK5	128	ft3/s	58	1.6		
PK10	165	ft3/s	53	2.5		
PK25	197	ft3/s	51	3.7		
PK50	245	ft3/s	50	4.6		
PK100	278	ft3/s	50	5.4		
PK200	311	ft3/s	51	6.1		
PK500	370	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	3.85	ft3/s	77			

JAND50	2.39	ft3/s	93			
JAND80	1.62	ft3/s	110			
FEBD20	5.09	ft3/s	84			
FEBD50	2.75	ft3/s	90			
FEBD80	1.74	ft3/s	110			
MARD20	11.4	ft3/s	63			
MARD50	6.88	ft3/s	62			
MARD80	4.72	ft3/s	77			
APRD20	29.2	ft3/s	54			
APRD50	15.6	ft3/s	72			
APRD80	8.51	ft3/s	100			
MAYD20	58.2	ft3/s	60			
MAYD50	33	ft3/s	72			
MAYD80	17.6	ft3/s	93			
JUND20	37.1	ft3/s	70			
JUND50	20.9	ft3/s	85			
JUND80	10.7	ft3/s	100			
JULD20	7.41	ft3/s	86			
JULD50	4.23	ft3/s	91			
JULD80	2.18	ft3/s	100			
AUGD20	4.04	ft3/s	130			
AUGD50	2.29	ft3/s	140			
AUGD80	1.24	ft3/s	160			
SEPD20	3.53	ft3/s	88			
SEPD50	2.17	ft3/s	91			
SEPD80	1.33	ft3/s	110			
OCTD20	3.9	ft3/s	76			
OCTD50	2.56	ft3/s	83			
OCTD80	1.57	ft3/s	110			
NOVD20	4.12	ft3/s	70			
NOVD50	2.72	ft3/s	80			
NOVD80	1.85	ft3/s	96			
DECD20	3.91	ft3/s	73			
DECD50	2.49	ft3/s	89			
DECD80	1.61	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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