StreamStats Version 3.0

Flow Statistics Ungaged Site Report

Date: Tues Mar 22, 2016 8:43:23 AM GMT-6
Study Area: Utah
NAD 1983 Latitude: 40.7223 (40 43 20)
NAD 1983 Longitude: -111.8475 (-111 50 51)
Drainage Area: 56.9 mi2

Peak Flows Basin Characteristics			
100% Region 2 (56.9 mi2)			
Parameter	**Value**	**Regression Equation Valid Range**	
		Min	**Max**
Drainage Area (square miles)	56.9	2.14	84.1
Mean Annual Precipitation (inches)	30.5	16.5	53.7

Monthly Exceedance and Annual Mean Flows Basin Characteristics			
100% Mean Flow SIR08 5230 Region 2 (56.9 mi2)			
Parameter	**Value**	**Regression Equation Valid Range**	
		Min	**Max**
Drainage Area (square miles)	56.9	2.14	70.1
Mean Basin Elevation (feet)	6740	6440	8550
Mean Annual Precipitation (inches)	30.5	22.3	49.5
Mean August Precipitation (inches)	1.19	0.92	2

Peak Flows Statistics						
Statistic	**Value**	**Unit**	**Prediction Error (percent)**	**Equivalent years of record**	**90-Percent Prediction Interval**	
					Min	**Max**
PK2	158	ft3/s	71	0.9		
PK5	231	ft3/s	58	1.6		
PK10	285	ft3/s	53	2.5		
PK25	332	ft3/s	51	3.7		
PK50	401	ft3/s	50	4.6		
PK100	447	ft3/s	50	5.4		
PK200	492	ft3/s	51	6.1		
PK500	562	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	26.3	ft3/s	63			
JAND20	8.51	ft3/s	77			

JAND50	4.89	ft3/s	93			
JAND80	3.19	ft3/s	110			
FEBD20	12.5	ft3/s	84			
FEBD50	5.97	ft3/s	90			
FEBD80	3.59	ft3/s	110			
MARD20	27.6	ft3/s	63			
MARD50	16.8	ft3/s	62			
MARD80	11.7	ft3/s	77			
APRD20	58.3	ft3/s	54			
APRD50	32.1	ft3/s	72			
APRD80	16.7	ft3/s	100			
MAYD20	99.9	ft3/s	60			
MAYD50	55.5	ft3/s	72			
MAYD80	29.4	ft3/s	93			
JUND20	59.3	ft3/s	70			
JUND50	36	ft3/s	85			
JUND80	19.8	ft3/s	100			
JULD20	13.3	ft3/s	86			
JULD50	7.68	ft3/s	91			
JULD80	4.04	ft3/s	100			
AUGD20	6.41	ft3/s	130			
AUGD50	3.64	ft3/s	140			
AUGD80	1.98	ft3/s	160			
SEPD20	6.82	ft3/s	88			
SEPD50	4	ft3/s	91			
SEPD80	2.4	ft3/s	110			
OCTD20	8.02	ft3/s	76			
OCTD50	4.96	ft3/s	83			
OCTD80	2.87	ft3/s	110			
NOVD20	9.12	ft3/s	70			
NOVD50	5.56	ft3/s	80			
NOVD80	3.63	ft3/s	96			
DECD20	8.55	ft3/s	73			
DECD50	5.09	ft3/s	89			
DECD80	3.1	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.