StreamStats Version 3.0

Flow Statistics Ungaged Site Report

Date: Tues Mar 22, 2016 9:11:04 AM GMT-6
Study Area: Utah
NAD 1983 Latitude: 40.6661 (40 39 58)
NAD 1983 Longitude: -111.9073 (-111 54 27)
Drainage Area: 40.4 mi2

Peak Flows Basin Characteristics			
100% Region 2 (40.4 mi2)			
Parameter	Value	Regression Equation Valid Range	
		Min	Max
Drainage Area (square miles)	40.4	2.14	84.1
Mean Annual Precipitation (inches)	42.7	16.5	53.7

Monthly Exceedance and Annual Mean Flows Basin Characteristics			
100% Mean Flow SIR08 5230 Region 2 (40.4 mi2)			
Parameter	Value	Regression Equation Valid Range	
		Min	Max
Drainage Area (square miles)	40.4	2.14	70.1
Mean Basin Elevation (feet)	7860	6440	8550
Mean Annual Precipitation (inches)	42.7	22.3	49.5
Mean August Precipitation (inches)	1.62	0.92	2

Peak Flows Statistics						
Statistic	Value	Unit	Prediction Error (percent)	Equivalent years of record	90-Percent Prediction Interval	
					Min	Max
PK2	283	ft3/s	71	0.9		
PK5	394	ft3/s	58	1.6		
PK10	478	ft3/s	53	2.5		
PK25	533	ft3/s	51	3.7		
PK50	649	ft3/s	50	4.6		
PK100	713	ft3/s	50	5.4		
PK200	772	ft3/s	51	6.1		
PK500	883	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	41.2	ft3/s	63			
JAND20	12.2	ft3/s	77			

JAND50	9.09	ft3/s	93			
JAND80	6.9	ft3/s	110			
FEBD20	13.3	ft3/s	84			
FEBD50	9.75	ft3/s	90			
FEBD80	7.53	ft3/s	110			
MARD20	35.5	ft3/s	63			
MARD50	18.9	ft3/s	62			
MARD80	11.9	ft3/s	77			
APRD20	91.7	ft3/s	54			
APRD50	50.4	ft3/s	72			
APRD80	25.4	ft3/s	100			
MAYD20	199	ft3/s	59			
MAYD50	124	ft3/s	72			
MAYD80	67.9	ft3/s	93			
JUND20	123	ft3/s	70			
JUND50	74.2	ft3/s	85			
JUND80	36	ft3/s	100			
JULD20	35.4	ft3/s	86			
JULD50	22.4	ft3/s	91			
JULD80	13.7	ft3/s	100			
AUGD20	13.5	ft3/s	130			
AUGD50	9.17	ft3/s	140			
AUGD80	5.9	ft3/s	160			
SEPD20	14.8	ft3/s	88			
SEPD50	10.4	ft3/s	91			
SEPD80	7.11	ft3/s	110			
OCTD20	14.6	ft3/s	76			
OCTD50	10.5	ft3/s	83			
OCTD80	7.4	ft3/s	110			
NOVD20	14.2	ft3/s	70			
NOVD50	10.7	ft3/s	80			
NOVD80	7.98	ft3/s	96			
DECD20	12.8	ft3/s	73			
DECD50	9.69	ft3/s	89			
DECD80	7.13	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.