

**USGS Station Number** 11532000  
**Station Name** SOUTH FORK SMITH RIVER NEAR CRESCENT CITY CA

## SUMMARY OF DISCHARGE DATA

[Peak Flows](#)

[Mean Monthly Discharge](#)

[Cumulative Departure from Mean Annual Discharge](#)

[Timing of Runoff](#)

[Maximum and Minimum 7-Day, 30-Day, 90-Day Discharge](#)

[Recurrence Intervals and Flow Duration](#)

### Data available at:

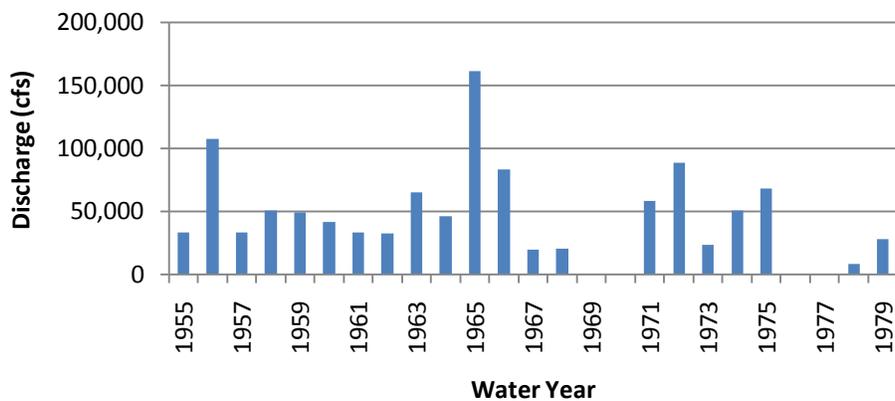
<http://waterdata.usgs.gov/ca/nwis/>

The U.S. Geological Survey's (USGS) National Water Information System (NWIS) is a comprehensive and distributed application that supports the acquisition, processing, and long-term storage of water data.

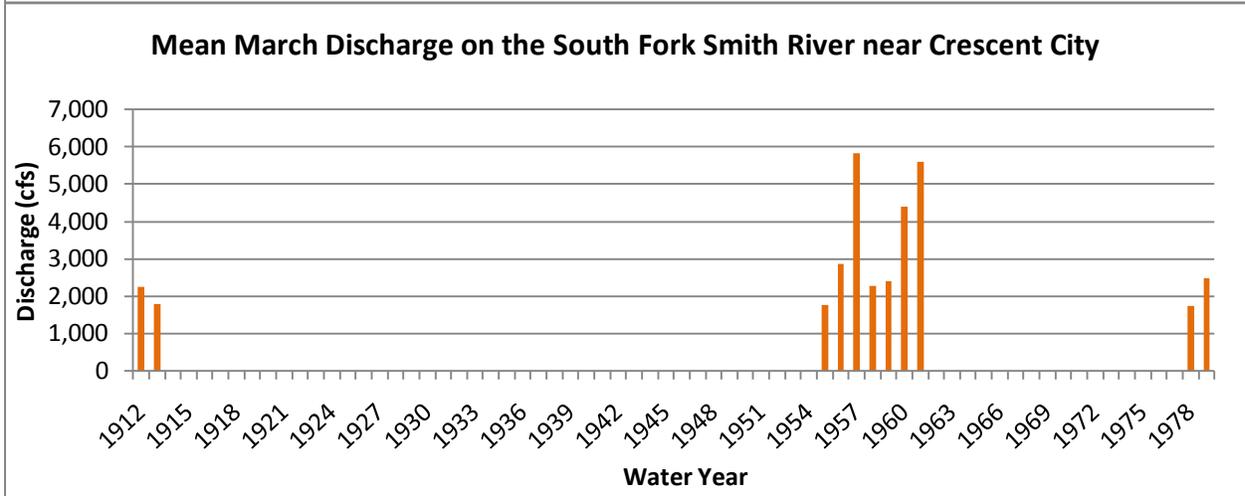
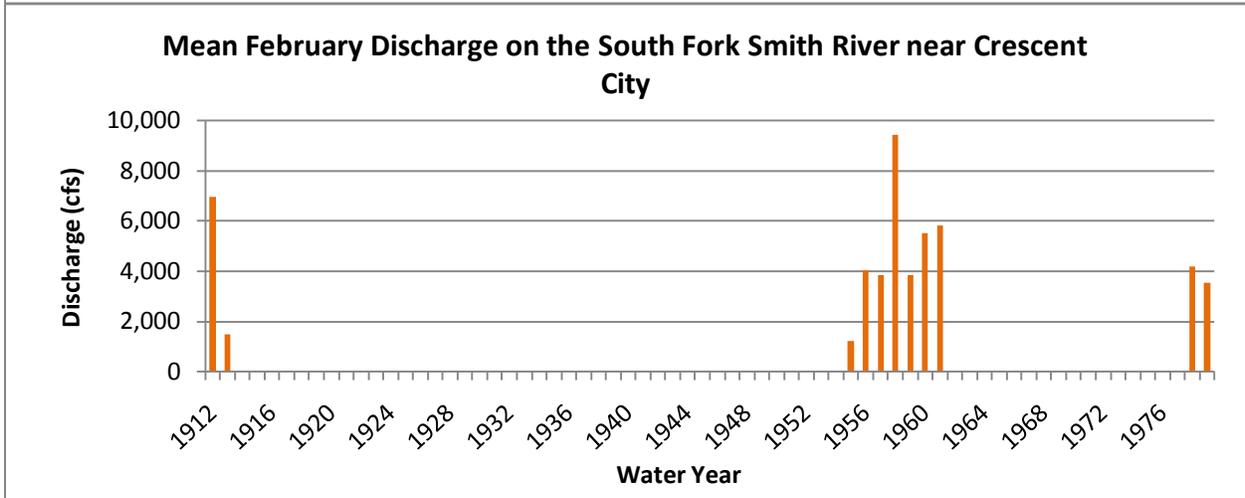
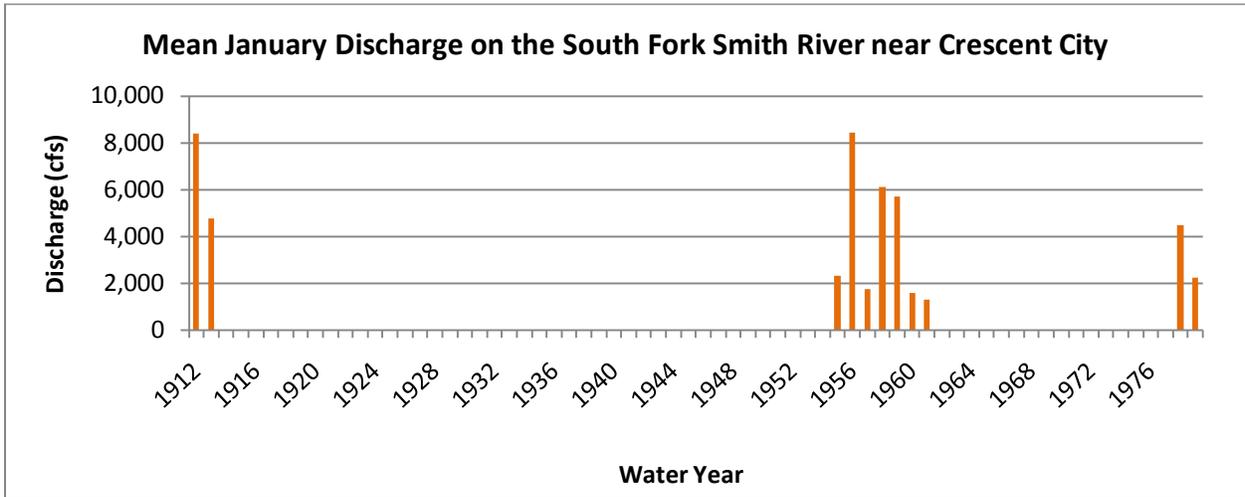
### Descriptive Information

Period of Record	1955 to 1979
Latitude (degrees NAD83)	41.7915
Longitude (degrees NAD83)	-124.0262
Hydrologic unit code	18010101

### Annual Peak Flows South Fork Smith River near Crescent City

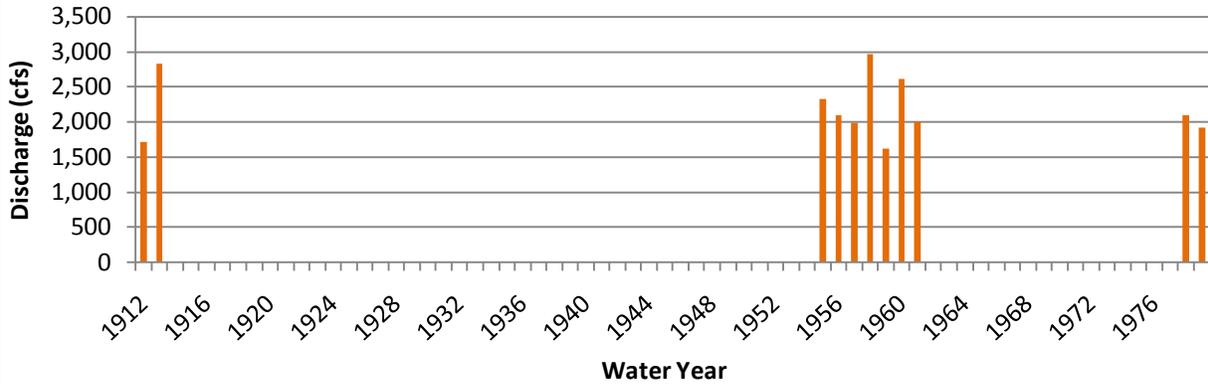


# MONTHLY DISCHARGE

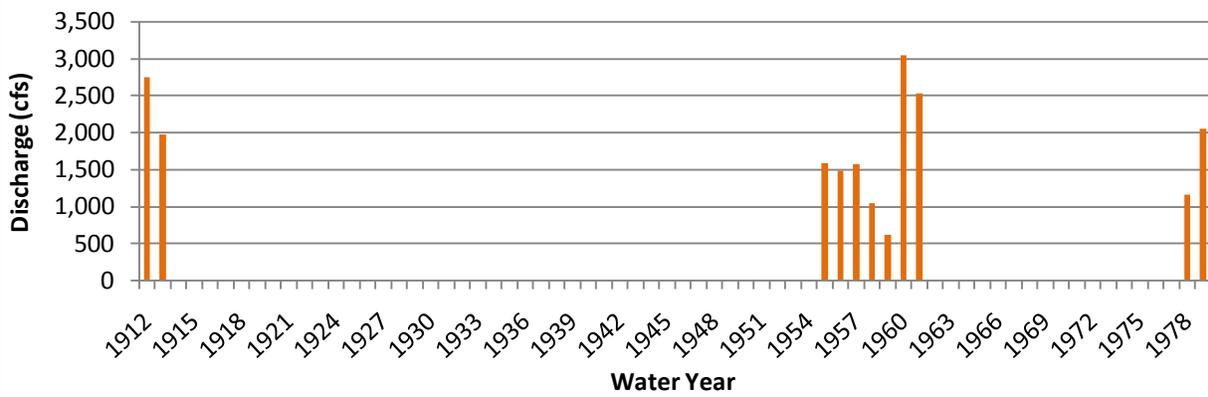


# MONTHLY DISCHARGE

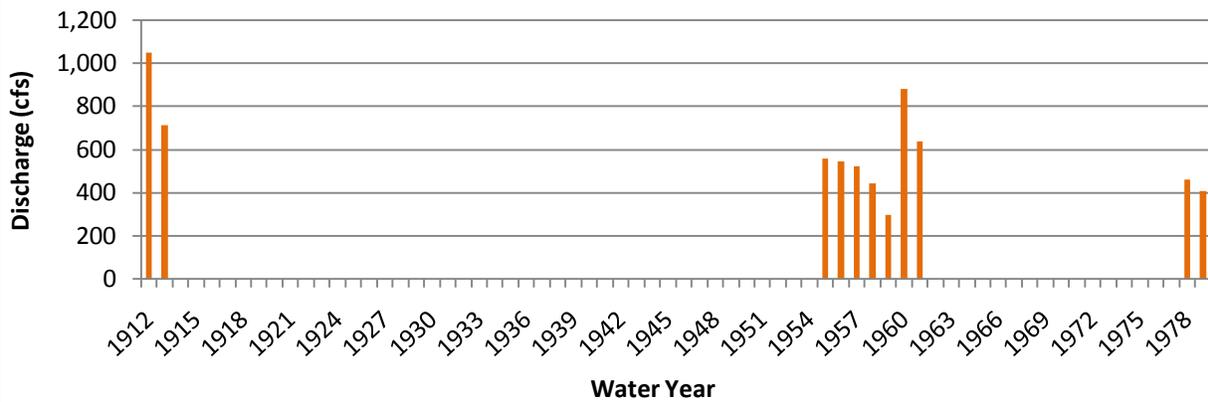
## Mean April Discharge on the South Fork Smith River near Crescent City



## Mean May Discharge on the South Fork Smith River near Crescent City

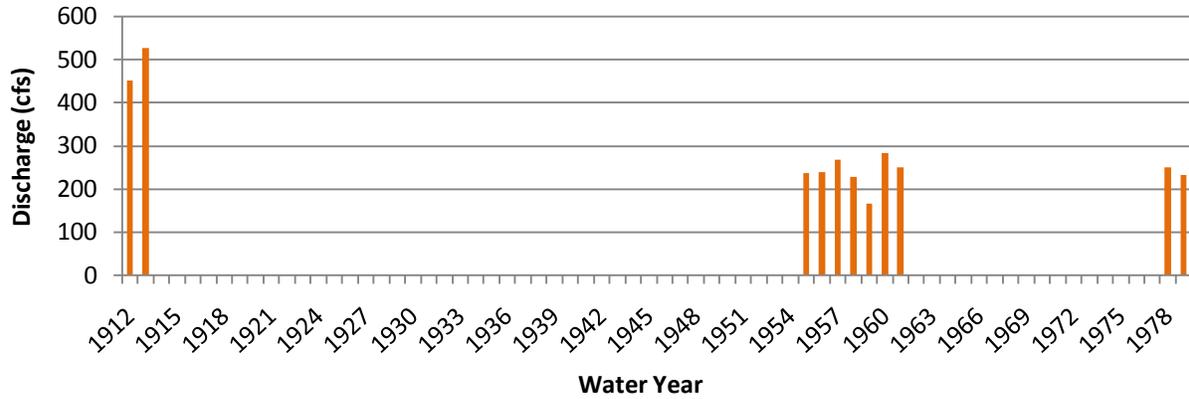


## Mean June Discharge on the South Fork Smith River near Crescent City

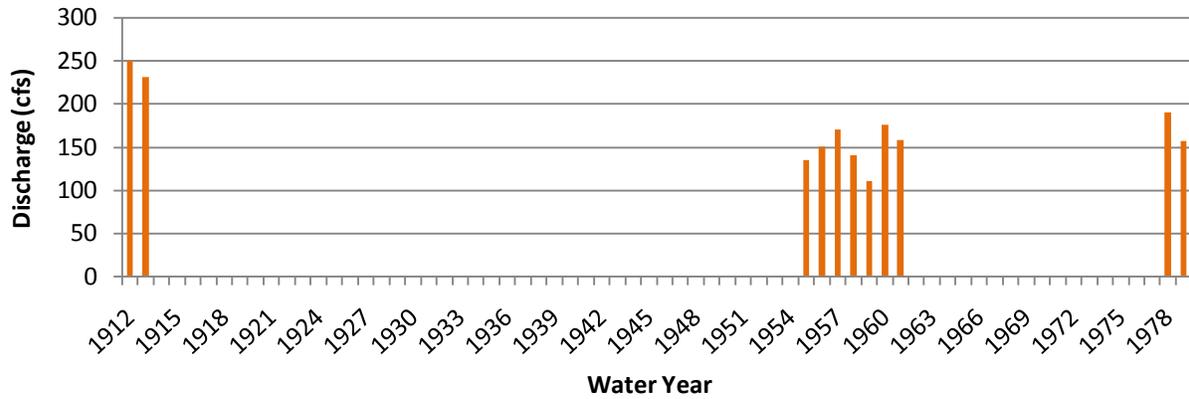


# MONTHLY DISCHARGE

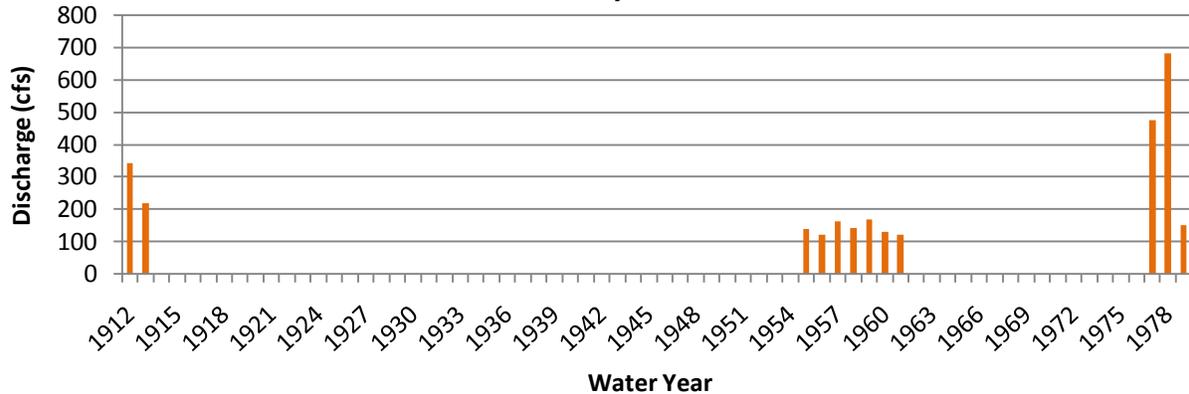
## Mean July Discharge on the South Fork Smith River near Crescent City



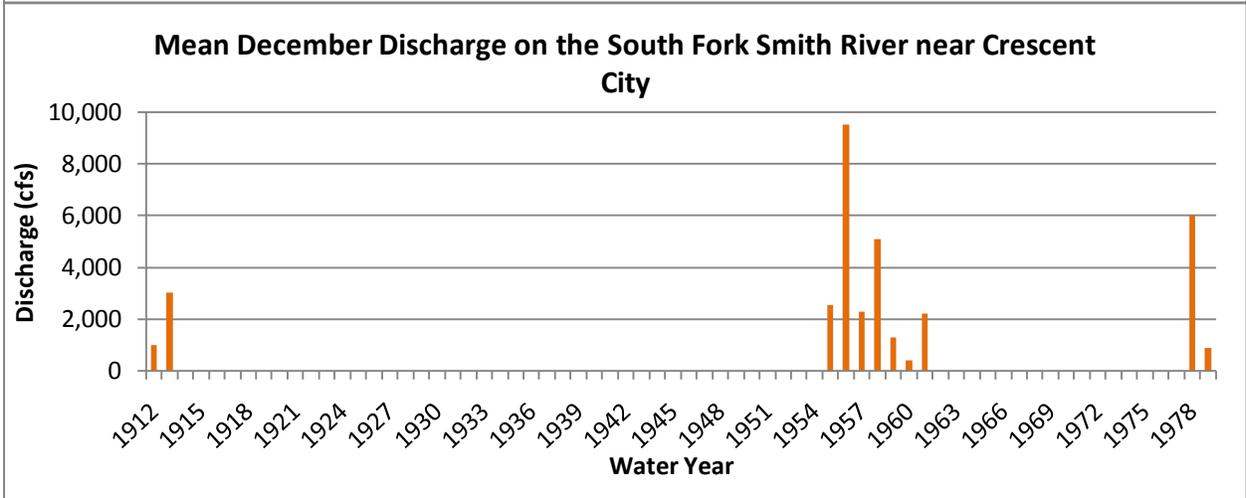
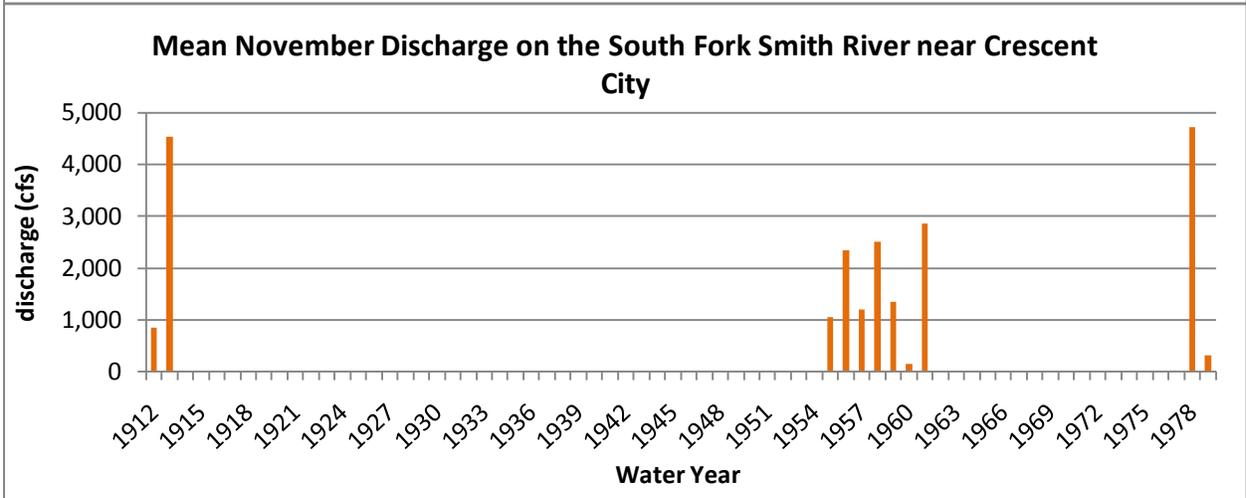
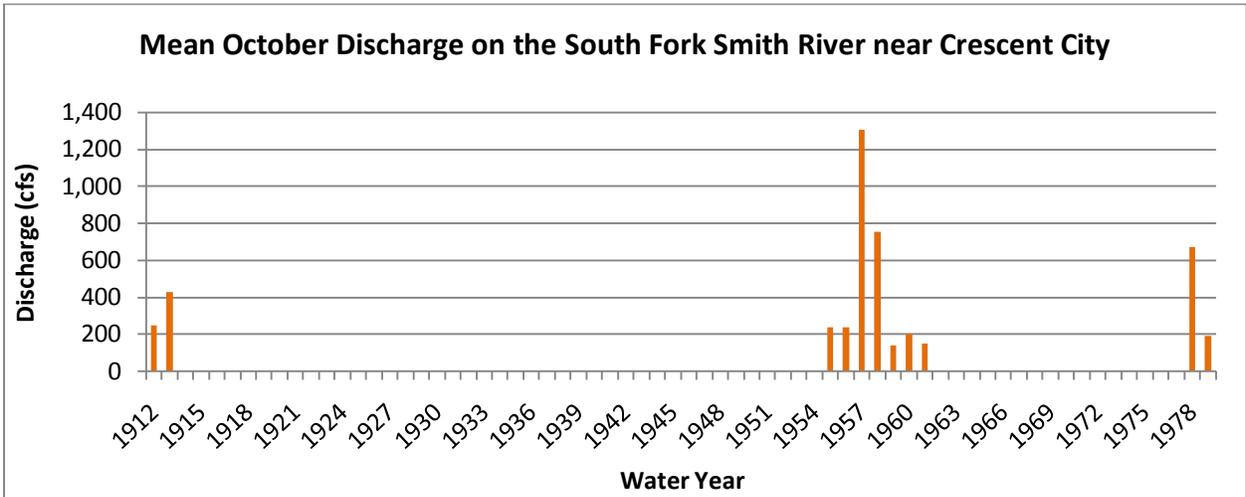
## Mean August Discharge on the South Fork Smith River near Crescent City



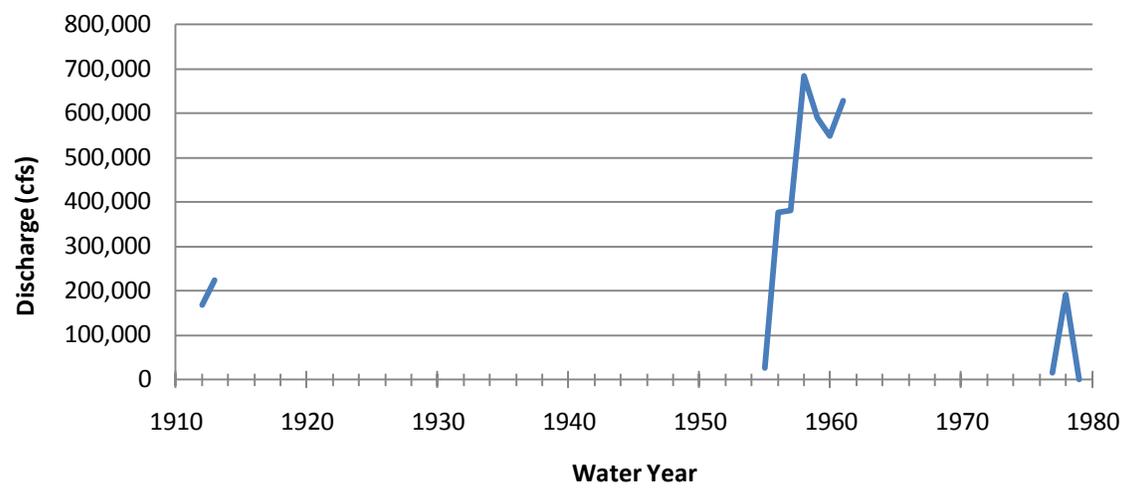
## Mean September Discharge on the South Fork Smith River near Crescent City



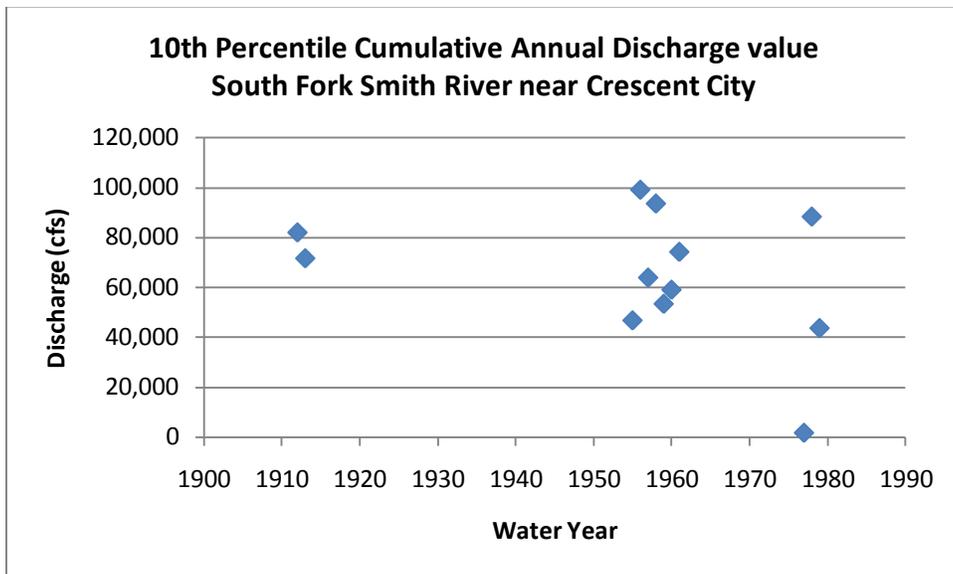
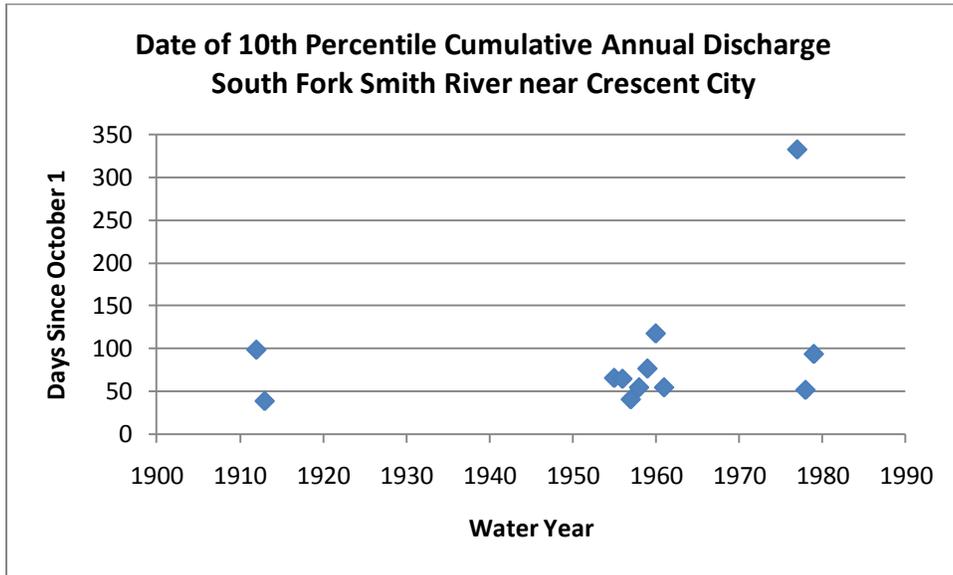
# MONTHLY DISCHARGE



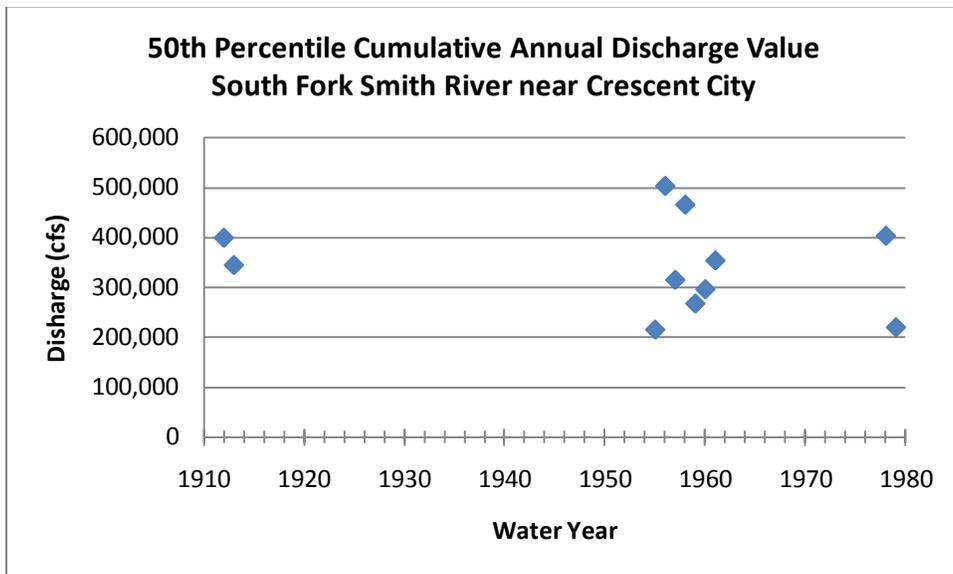
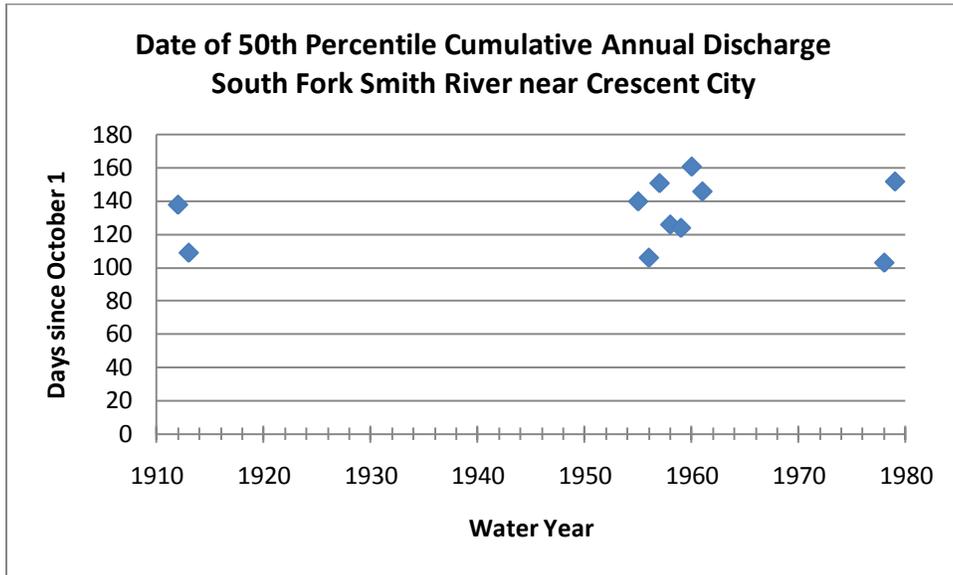
### Cumulative Departure from Mean Annual Discharge South Fork Smith River



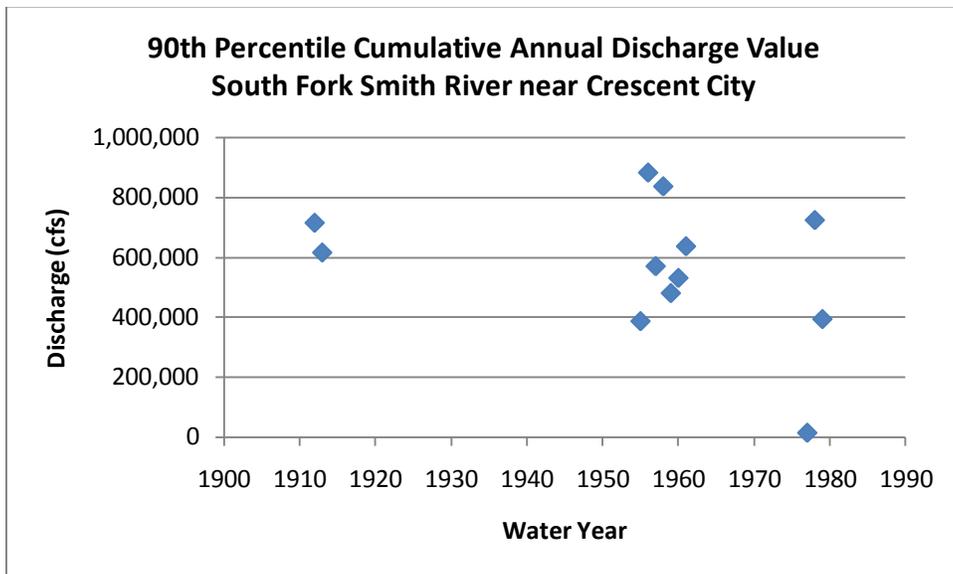
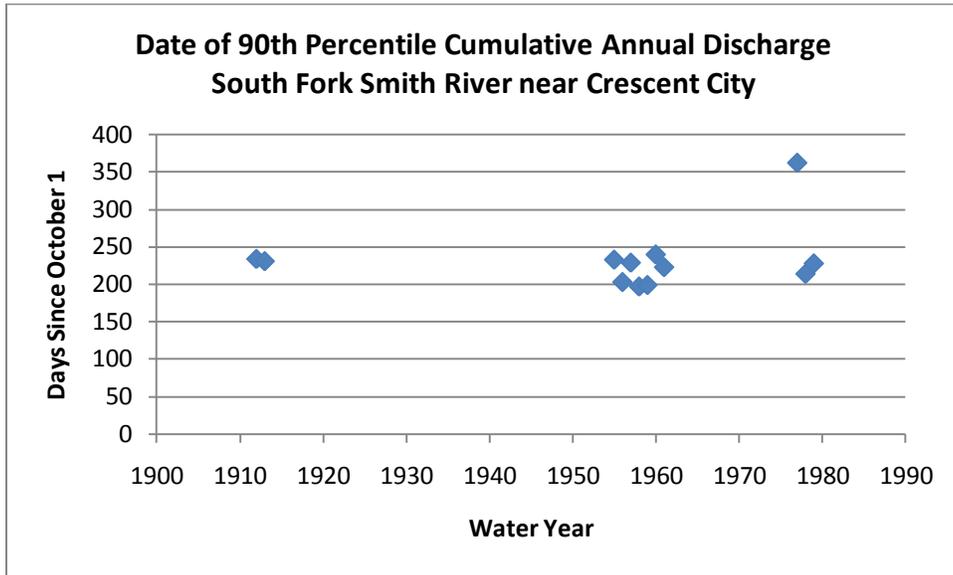
# TIMING OF RUNOFF

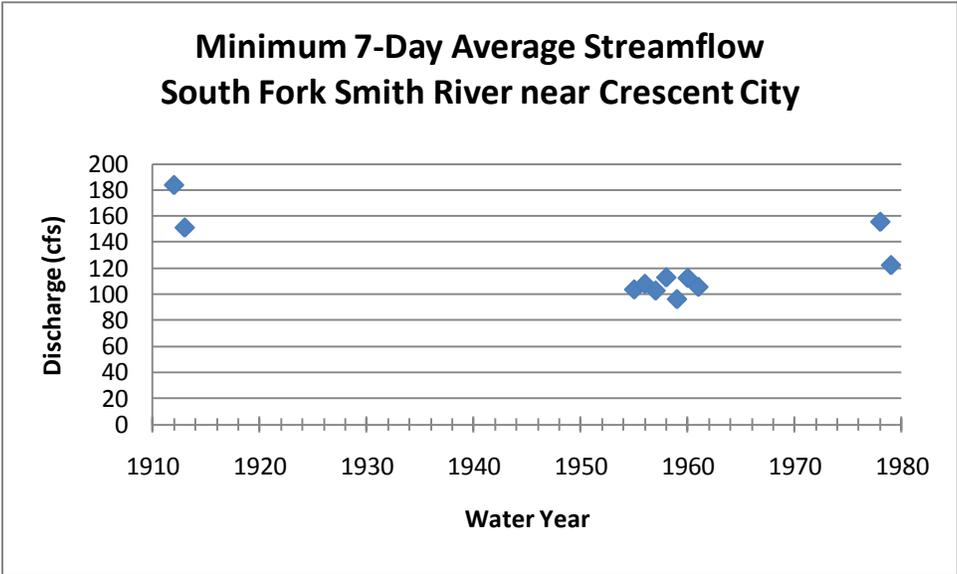
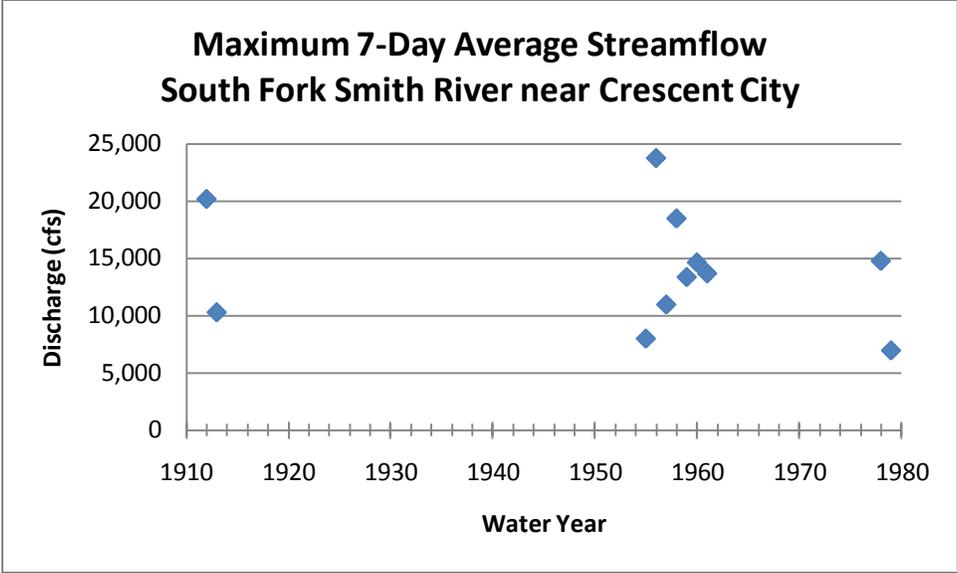


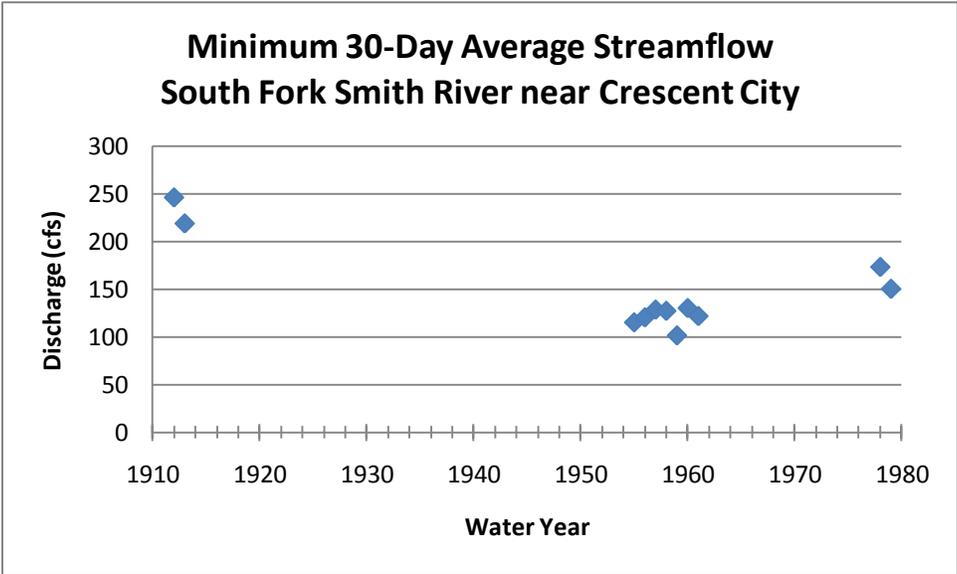
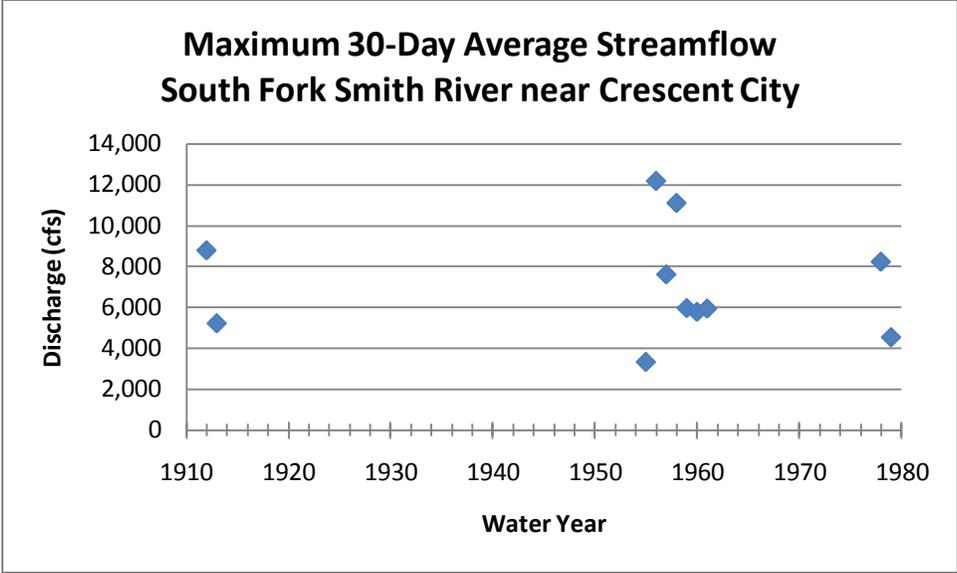
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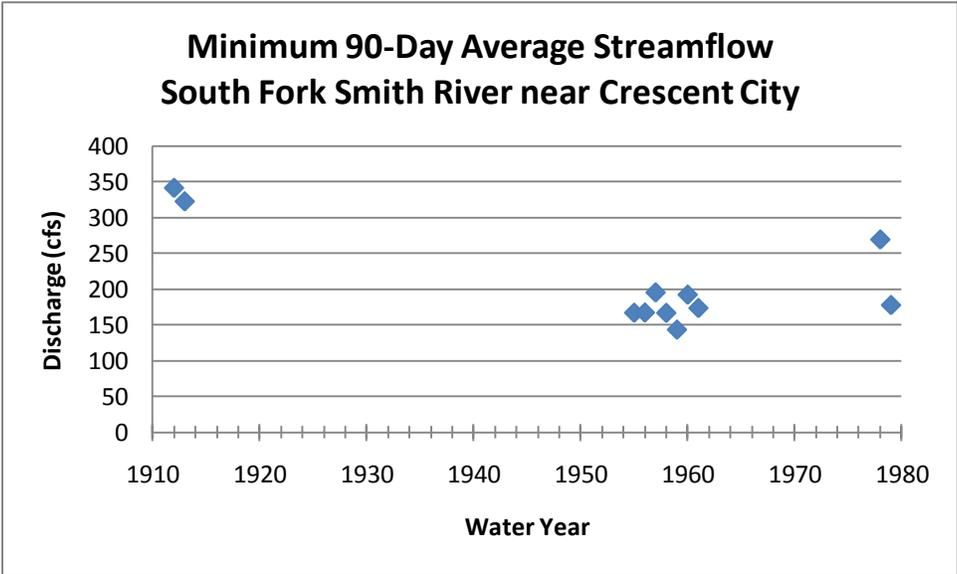
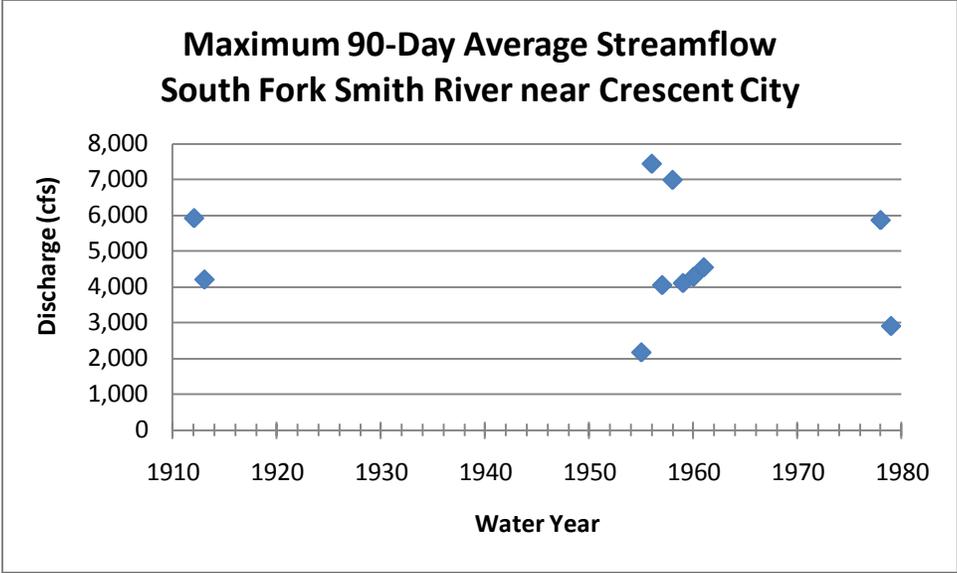


# TIMING OF RUNOFF









## RECURRENCE INTERVALS AND FLOW DURATION

### Physical Characteristics

Characteristic Name	Value	Units	Citation Number
Available_Water_Capacity	0.1	in per in	44
Average_Soil_Permeability	1.27	inches per hour	44
Contributing_Drainage_Area	291	square miles	31
Depth_to_Rock	3.41666667	feet	44
Drainage_Area	291	square miles	31
Elevation_of_10_and_85_points	1550	feet	31
Percent_above_5000_ft	3	percent	31
Main_Channel_Length	37.3	miles	31
Mean_Basin_Elevation	1500	feet	31
Percent_Forest	98	percent	31
Percent_Storage	0	percent	31
Relief	6210	feet	44
Stream_Slope_10_and_85_Method	89.4	feet per mi	31
Mean_Basin_Slope_degrees	24.5	degrees	44

### Streamflow Statistics

Statistic Name	Value	Units	Citation Number
<b>Peak-Flow Statistics</b>			
10_Year_Peak_Flood	94800	cubic feet per second	44
100_Year_Peak_Flood	174000	cubic feet per second	44
2_Year_Peak_Flood	45400	cubic feet per second	44
200_Year_Peak_Flood	206000	cubic feet per second	31
25_Year_Peak_Flood	124000	cubic feet per second	44
5_Year_Peak_Flood	73500	cubic feet per second	44
50_Year_Peak_Flood	148000	cubic feet per second	44
500_Year_Peak_Flood	240000	cubic feet per second	44
Log_Mean_of_Annual_Peaks	4.68	Log base 10	31
Log_Skew_of_Annual_Peaks	0.396	Log base 10	31
Log_STD_of_Annual_Peaks	0.265	Log base 10	31
Mean_Annual_Flood	28900	cubic feet per second	31
WRC_Mean	4.68	Log base 10	31
WRC_Skew	-0.195	Log base 10	31
WRC_STD	0.265	Log base 10	31

### Flow-Duration Statistics

1_Percent_Duration	16400	cubic feet per second	41
10_Percent_Duration	4252	cubic feet per second	41
20_Percent_Duration	2429	cubic feet per second	41
25_Percent_Duration	2010	cubic feet per second	41
30_Percent_Duration	1700	cubic feet per second	41
40_Percent_Duration	1220	cubic feet per second	41
5_Percent_Duration	6894	cubic feet per second	41
50_Percent_Duration	840	cubic feet per second	41
60_Percent_Duration	475	cubic feet per second	41
70_Percent_Duration	272.4	cubic feet per second	41
75_Percent_Duration	222	cubic feet per second	41
80_Percent_Duration	186	cubic feet per second	41
90_Percent_Duration	139	cubic feet per second	41
95_Percent_Duration	119	cubic feet per second	41
99_Percent_Duration	104	cubic feet per second	41
<b>General Flow Statistics</b>			
Average_daily_streamflow	1857.439	cubic feet per second	41
Maximum_daily_flow	59700	cubic feet per second	41
Minimum_daily_flow	90	cubic feet per second	41
Std_Dev_of_daily_flows	3428.085	cubic feet per second	41
<b>Base Flow Statistics</b>			
Average_BFI_value	0.45	dimensionless	42
Number_of_years_to_compute_BFI	11	years	42
Std_dev_of_annual_BFI_values	0.067	dimensionless	42
<b>Precipitation Statistics</b>			
24_Hour_2_Year_Precipitation	6	inches	31
Mean_Annual_Precipitation	100	inches	31
Mean_January_Precipitation	17.8	inches	44
Mean_July_Precipitation	0.583	inches	44
<b>Climate Characteristics</b>			
Mean_Annual_Lake_Evaporation	30	inches	31
Mean_Annual_Snowfall	89.5	inches	44
<b>Temperature Statistics</b>			
Mean_Max_July_Temperature	79.9	degrees F	44
Mean_Maximum_January_Temperature	51.8	degrees F	44
Mean_Min_January_Temperature	38	degrees F	31
Mean_Minimum_July_Temperature	47.6	degrees F	44

## Citations

Citation Number

Citation Name and URL

31

Imported from Basin Characteristics file

- 41 Wolock, D.M., 2003, Flow characteristics at U.S. Geological Survey streamgages in the conterminous United States: U.S. Geological Survey Open-File Report 03-146, digital data set, available on World Wide Web at URL  
<http://water.usgs.gov/lookup/getspatial?qsitesdd>
- 42 Wolock, D.M., 2003, Base-flow index grid for the conterminous United States: U.S. Geological Survey Open-File Report 03-263, digital data set, available on World Wide Web at URL  
<http://water.usgs.gov/lookup/getspatial?bfi48grd>
- 44 Cooper, R.M., 2005, Estimation of Peak Discharges for Rural, Unregulated Streams in Western Oregon: U.S. Geological Survey Scientific Investigations Report 2005-5116, 76 p.