

Appendix M

Annual Flow Assessment Site Statistical Summaries

The statistical summaries for the following 15 annual flow assessment sites include non-exceedance flow percentiles for the station's period of record. These sites are referred to as annual flow assessment sites to differentiate them from the monthly flow assessment sites.

(CFS – cubic feet per second; DA – drainage area, in square miles; CFSM – cubic feet per second per square mile; Q5 – 5th non-exceedance flow percentile)

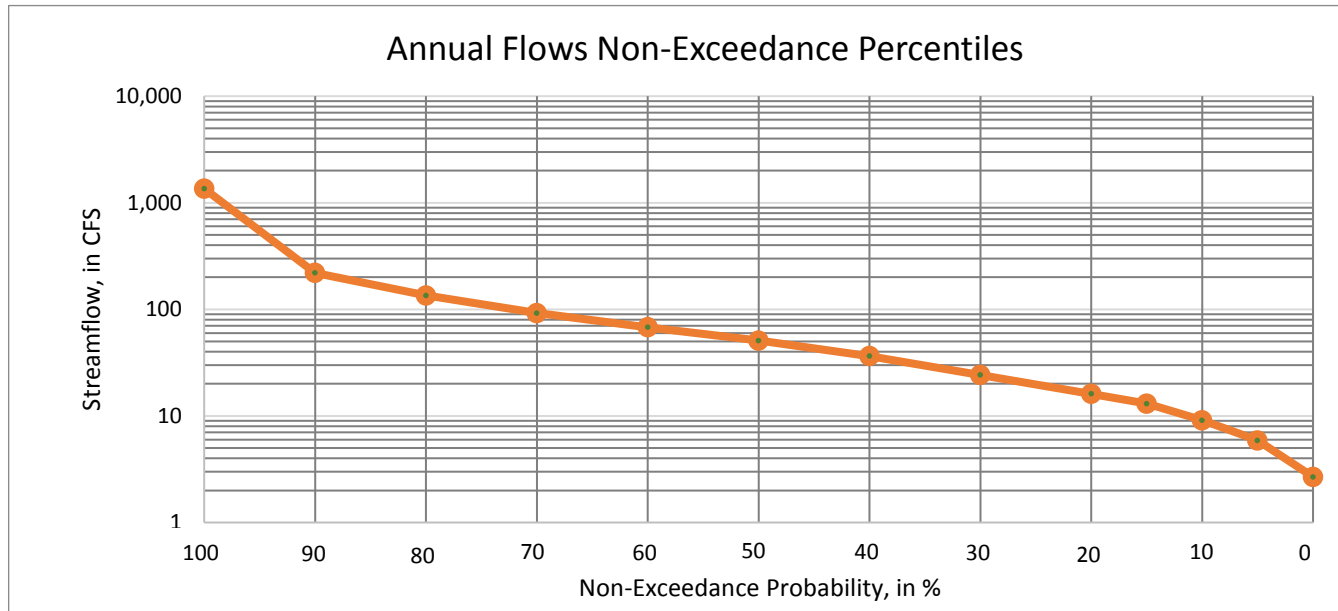
Non-Exceedance Percentiles

02343000 - Barbour Creek near Eufaula, Ala.

Annual Statistics

Flows in CFS

Minimum	2.7
5th %	5.9
10th %	9.1
15th %	13.1
20th %	16.1
30th %	24.2
40th %	36.4
Median	50.9
60th %	67.9
70th %	92.4
80th %	135.1
90th %	220.1
Maximum	1357.3
Average	78.16



Q10/Q50	0.18
Q10/Q90	0.04
DA* =	95.4
CFSM*	
Qmin/DA	0.03
Q5/DA	0.06
Q10/DA	0.10
Q15/DA	0.14
Q20/DA	0.17
Q30/DA	0.25
Q40/DA	0.38
Q50/DA	0.53
Q60/DA	0.71
Q70/DA	0.97
Q80/DA	1.42
Q90/DA	2.31
Qmax/DA	14.23
Qavg/DA	0.82

*CFSM - CUBIC FEET PER SECOND PER SQUARE MILE; DA - DRAINAGE AREA IN SQUARE MILES

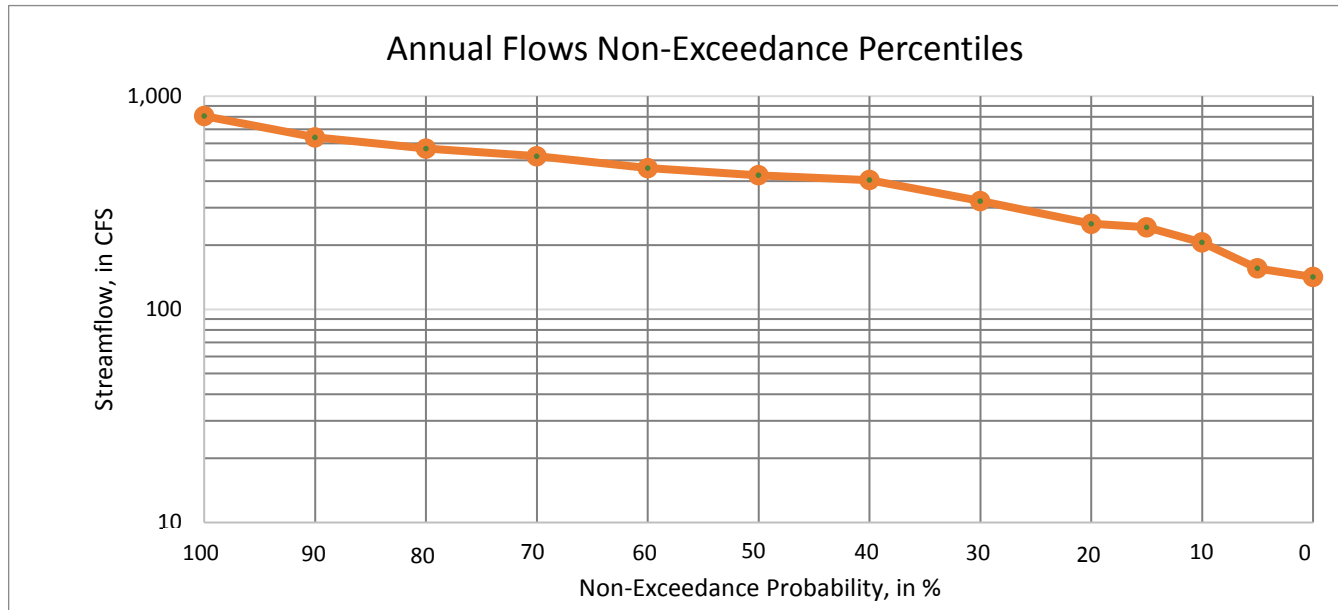
Non-Exceedance Percentiles

02360290 - West Fork Choctawhatchee River near Ozark, Ala.

Annual Statistics

Flows in CFS

Minimum	141.81
5th %	155.71
10th %	205.73
15th %	242.45
20th %	252.05
30th %	322.07
40th %	404.08
Median	425.10
60th %	460.21
70th %	522.68
80th %	567.81
90th %	640.84
Maximum	806.26
Average	423.62



Q10/Q50	0.48
Q10/Q90	0.32
DA* =	340
CFSM*	
Qmin/DA	0.42
Q5/DA	0.46
Q10/DA	0.61
Q15/DA	0.71
Q20/DA	0.74
Q30/DA	0.95
Q40/DA	1.19
Q50/DA	1.25
Q60/DA	1.35
Q70/DA	1.54
Q80/DA	1.67
Q90/DA	1.88
Qmax/DA	2.37
Qavg/DA	1.25

*CFSM - CUBIC FEET PER SECOND PER SQUARE MILE; DA - DRAINAGE AREA IN SQUARE MILES

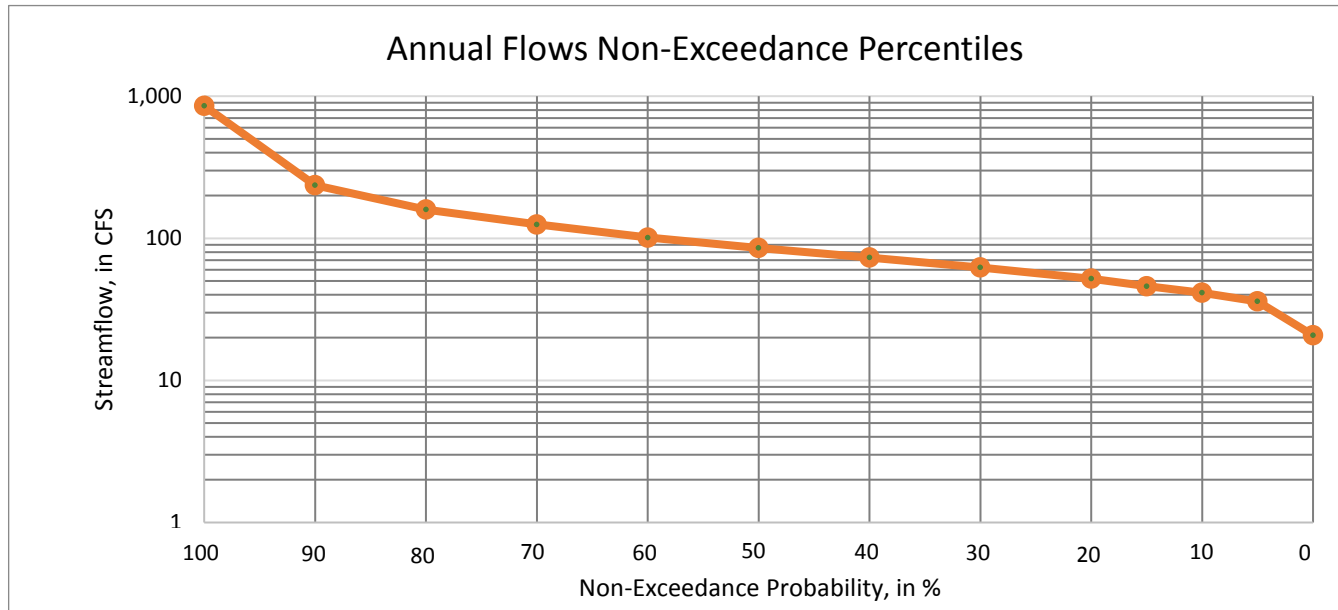
Non-Exceedance Percentiles

02377960 - Blackwater River near Robertsdale, Ala.

Annual Statistics

Flows in CFS

Minimum	20.8
5th %	36.0
10th %	41.4
15th %	46.0
20th %	52.0
30th %	62.4
40th %	73.1
Median	85.5
60th %	101.2
70th %	125.2
80th %	159.3
90th %	236.1
Maximum	854.7
Average	115.4



Q10/Q50	0.48
Q10/Q90	0.18
DA* =	56.6
CFSM*	
Qmin/DA	0.37
Q5/DA	0.64
Q10/DA	0.73
Q15/DA	0.81
Q20/DA	0.92
Q30/DA	1.10
Q40/DA	1.29
Q50/DA	1.51
Q60/DA	1.79
Q70/DA	2.21
Q80/DA	2.81
Q90/DA	4.17
Qmax/DA	15.10
Qavg/DA	2.04

*CFSM - CUBIC FEET PER SECOND PER SQUARE MILE; DA - DRAINAGE AREA IN SQUARE MILES

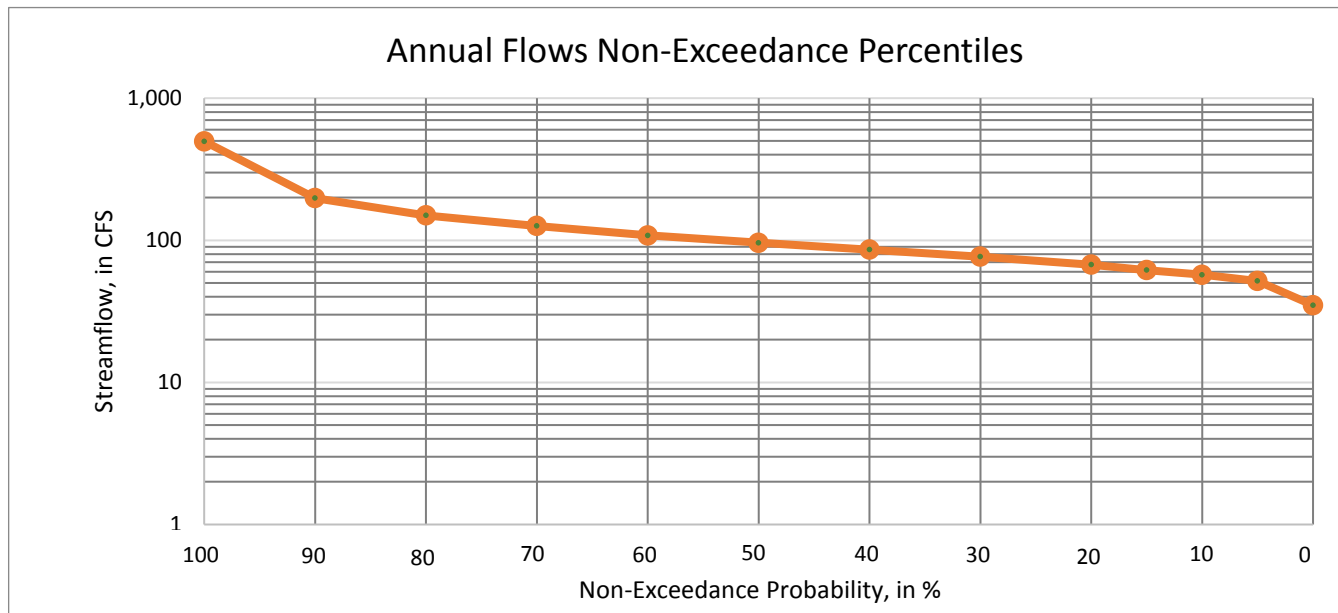
Non-Exceedance Percentiles

02378500 - Fish River near Silver Hill, Ala.

Annual Statistics

Flows in CFS

Minimum	34.9
5th %	51.7
10th %	57.2
15th %	61.7
20th %	67.3
30th %	76.7
40th %	85.9
Median	96.0
60th %	108.3
70th %	126.1
80th %	149.7
90th %	198.3
Maximum	497.3
Average	119.0



Q10/Q50	0.60
Q10/Q90	0.29
DA* =	55.3
CFSM*	
Qmin/DA	0.63
Q5/DA	0.94
Q10/DA	1.03
Q15/DA	1.12
Q20/DA	1.22
Q30/DA	1.39
Q40/DA	1.55
Q50/DA	1.74
Q60/DA	1.96
Q70/DA	2.28
Q80/DA	2.71
Q90/DA	3.59
Qmax/DA	8.99
Qavg/DA	2.15

*CFSM - CUBIC FEET PER SECOND PER SQUARE MILE; DA - DRAINAGE AREA IN SQUARE MILES

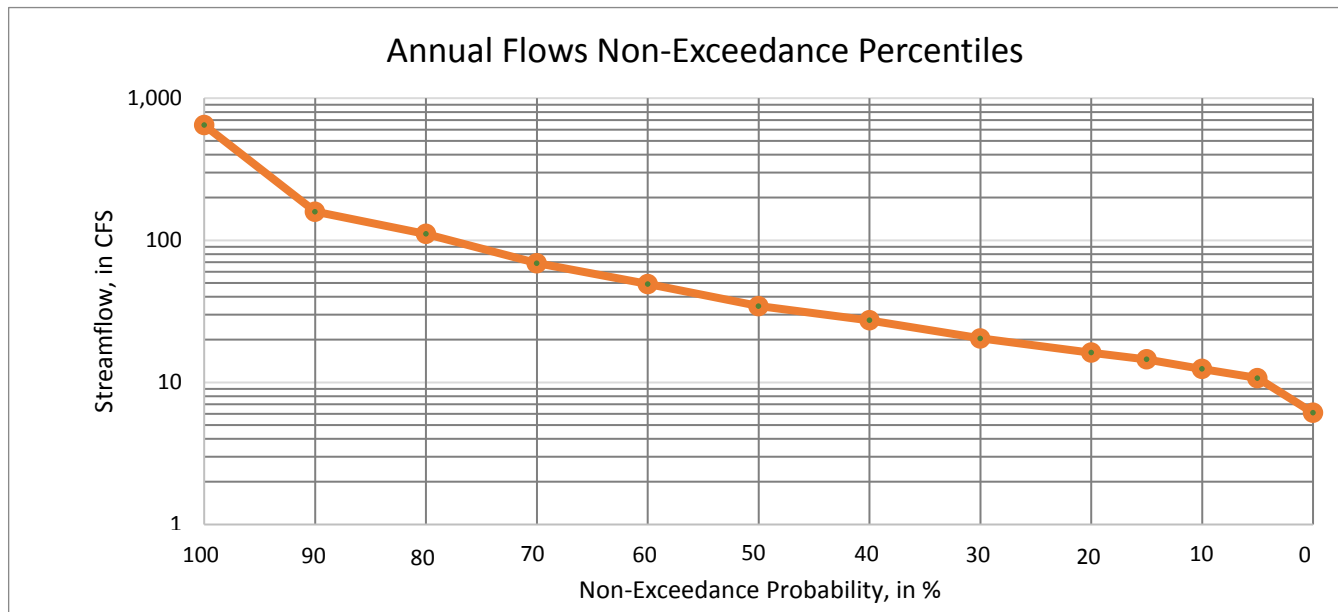
Non-Exceedance Percentiles

02401700 - Ohatchee Creek at Reads, Ala.

Annual Statistics

Flows in CFS

Minimum	6.1
5th %	10.7
10th %	12.4
15th %	14.5
20th %	16.2
30th %	20.4
40th %	27.4
Median	34.4
60th %	49.3
70th %	69.0
80th %	110.7
90th %	159.1
Maximum	646.0
Average	58.6



Q10/Q50	0.36
Q10/Q90	0.08
DA* =	39.7
CFSM*	
Qmin/DA	0.15
Q5/DA	0.27
Q10/DA	0.31
Q15/DA	0.37
Q20/DA	0.41
Q30/DA	0.51
Q40/DA	0.69
Q50/DA	0.87
Q60/DA	1.24
Q70/DA	1.74
Q80/DA	2.79
Q90/DA	4.01
Qmax/DA	16.27
Qavg/DA	1.48

*CFSM - CUBIC FEET PER SECOND PER SQUARE MILE; DA - DRAINAGE AREA IN SQUARE MILES

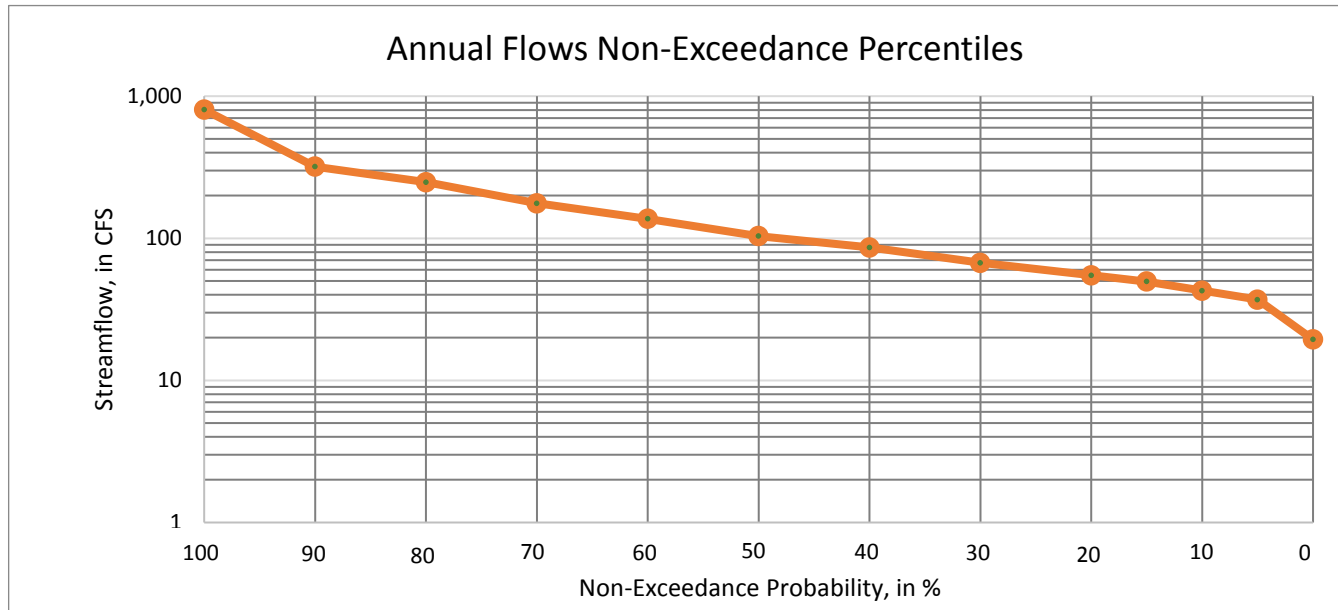
Non-Exceedance Percentiles

02401800 - Tallasseehatchee Creek near Wellington, Ala.

Annual Statistics

Flows in CFS

Minimum	19.4
5th %	37.0
10th %	42.8
15th %	49.6
20th %	54.8
30th %	67.2
40th %	86.1
Median	103.6
60th %	137.1
70th %	176.3
80th %	248.0
90th %	319.2
Maximum	804.1
Average	156.2



Q10/Q50	0.41
Q10/Q90	0.13
DA* =	92.2
	cfsm
Qmin/DA	0.21
Q5/DA	0.40
Q10/DA	0.46
Q15/DA	0.54
Q20/DA	0.59
Q30/DA	0.73
Q40/DA	0.93
Q50/DA	1.12
Q60/DA	1.49
Q70/DA	1.91
Q80/DA	2.69
Q90/DA	3.46
Qmax/DA	8.72
Qavg/DA	1.69

*CFSM - CUBIC FEET PER SECOND PER SQUARE MILE; DA - DRAINAGE AREA IN SQUARE MILES

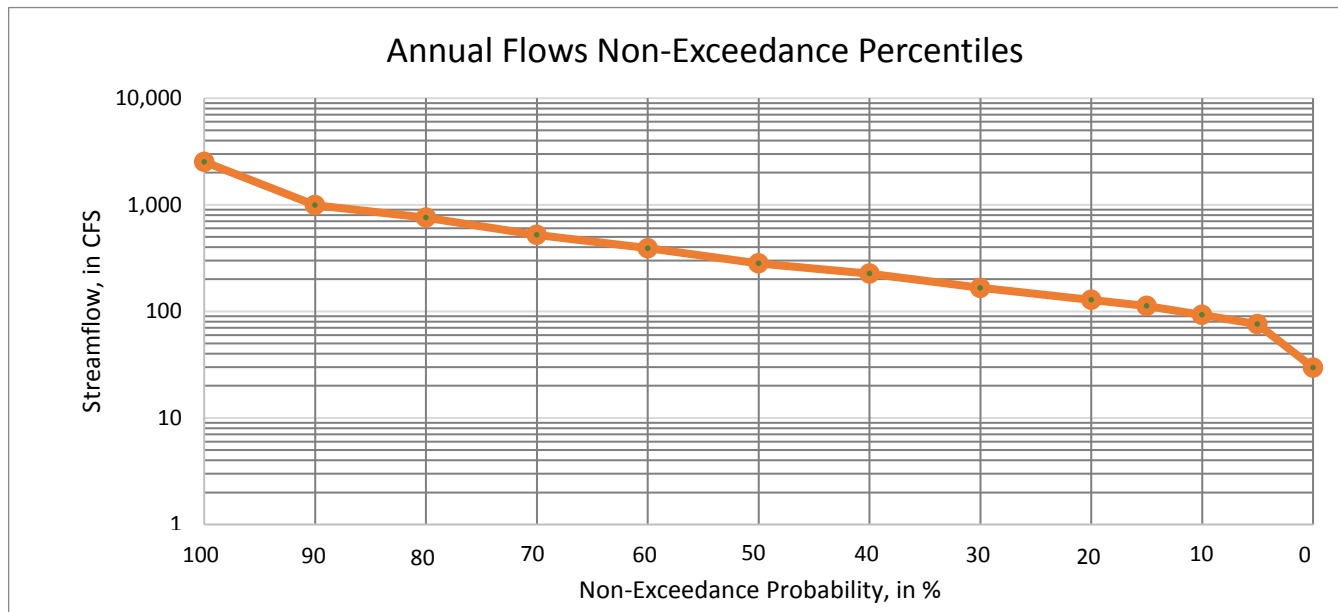
Non-Exceedance Percentiles

02404000 - Choccolocco Creek near Jenifer, Ala.

Annual Statistics

Flows in CFS

Minimum	29.7
5th %	75.8
10th %	92.6
15th %	112.4
20th %	128.2
30th %	166.0
40th %	225.7
Median	282.1
60th %	391.5
70th %	520.8
80th %	758.1
90th %	992.6
Maximum	2529.4
Average	454.5



Q10/Q50	0.33
Q10/Q90	0.09
DA* =	277
CFSM*	
Qmin/DA	0.11
Q5/DA	0.27
Q10/DA	0.33
Q15/DA	0.41
Q20/DA	0.46
Q30/DA	0.60
Q40/DA	0.81
Q50/DA	1.02
Q60/DA	1.41
Q70/DA	1.88
Q80/DA	2.74
Q90/DA	3.58
Qmax/DA	9.13
Qavg/DA	1.64

*CFSM - CUBIC FEET PER SECOND PER SQUARE MILE; DA - DRAINAGE AREA IN SQUARE MILES

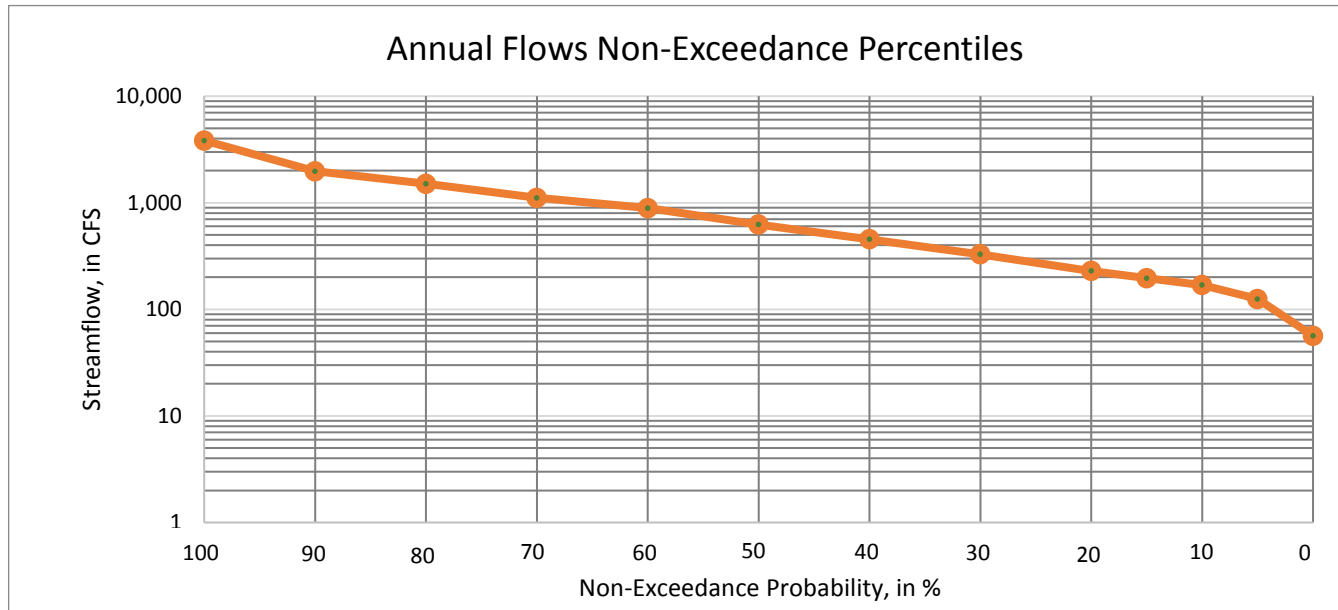
Non-Exceedance Percentiles

02439000 - Buttahatchee River near Sulligent, Ala.

Annual Statistics

Flows in CFS

Minimum	56.4
5th %	125.0
10th %	168.9
15th %	196.0
20th %	229.0
30th %	327.9
40th %	453.7
Median	623.9
60th %	891.2
70th %	1111.8
80th %	1505.1
90th %	1973.9
Maximum	3834.1
Average	912.5



Q10/Q50	0.27
Q10/Q90	0.09
DA* =	472
CFSM*	
Qmin/DA	0.12
Q5/DA	0.26
Q10/DA	0.36
Q15/DA	0.42
Q20/DA	0.49
Q30/DA	0.69
Q40/DA	0.96
Q50/DA	1.32
Q60/DA	1.89
Q70/DA	2.36
Q80/DA	3.19
Q90/DA	4.18
Qmax/DA	8.12
Qavg/DA	1.93

*CFSM - CUBIC FEET PER SECOND PER SQUARE MILE; DA - DRAINAGE AREA IN SQUARE MILES

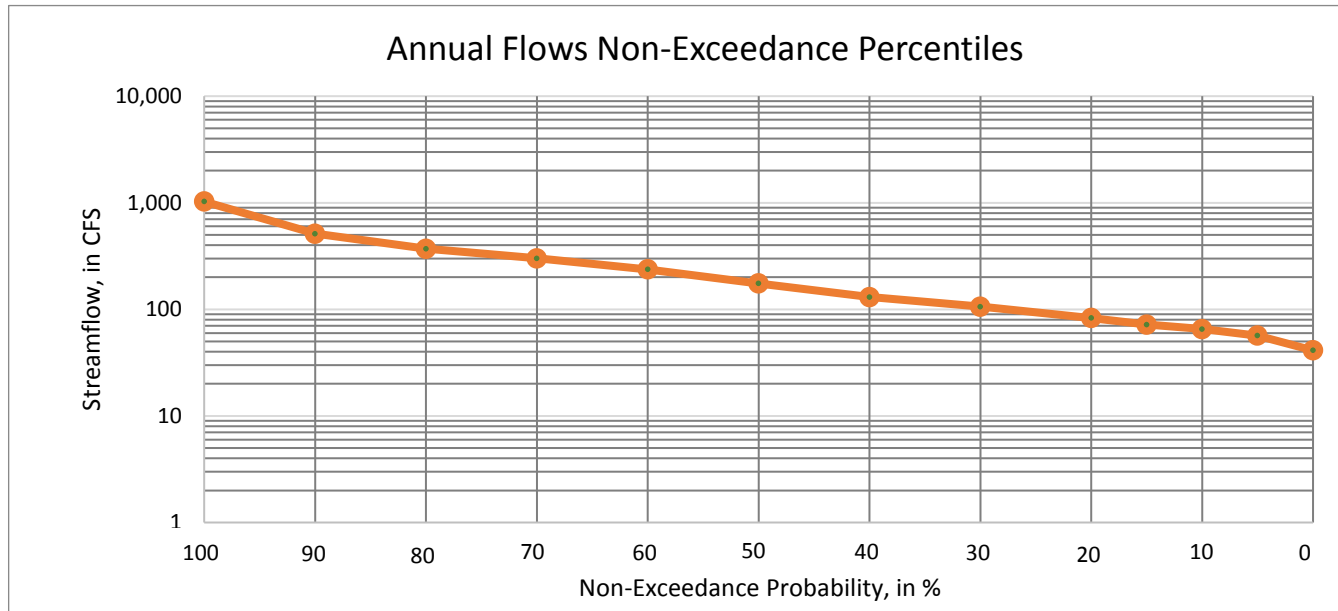
Non-Exceedance Percentiles

02442000 - Luxapallila Creek near Fayette, Ala.

Annual Statistics

Flows in CFS

Minimum	41.2
5th %	56.7
10th %	65.2
15th %	72.0
20th %	82.9
30th %	106.0
40th %	130.6
Median	175.0
60th %	237.2
70th %	300.6
80th %	370.1
90th %	512.4
Maximum	1025.2
Average	244.0



Q10/Q50	0.37
Q10/Q90	0.13
DA* =	130
CFSM*	
Qmin/DA	0.32
Q5/DA	0.44
Q10/DA	0.50
Q15/DA	0.55
Q20/DA	0.64
Q30/DA	0.82
Q40/DA	1.00
Q50/DA	1.35
Q60/DA	1.82
Q70/DA	2.31
Q80/DA	2.85
Q90/DA	3.94
Qmax/DA	7.89
Qavg/DA	1.88

*CFSM - CUBIC FEET PER SECOND PER SQUARE MILE; DA - DRAINAGE AREA IN SQUARE MILES

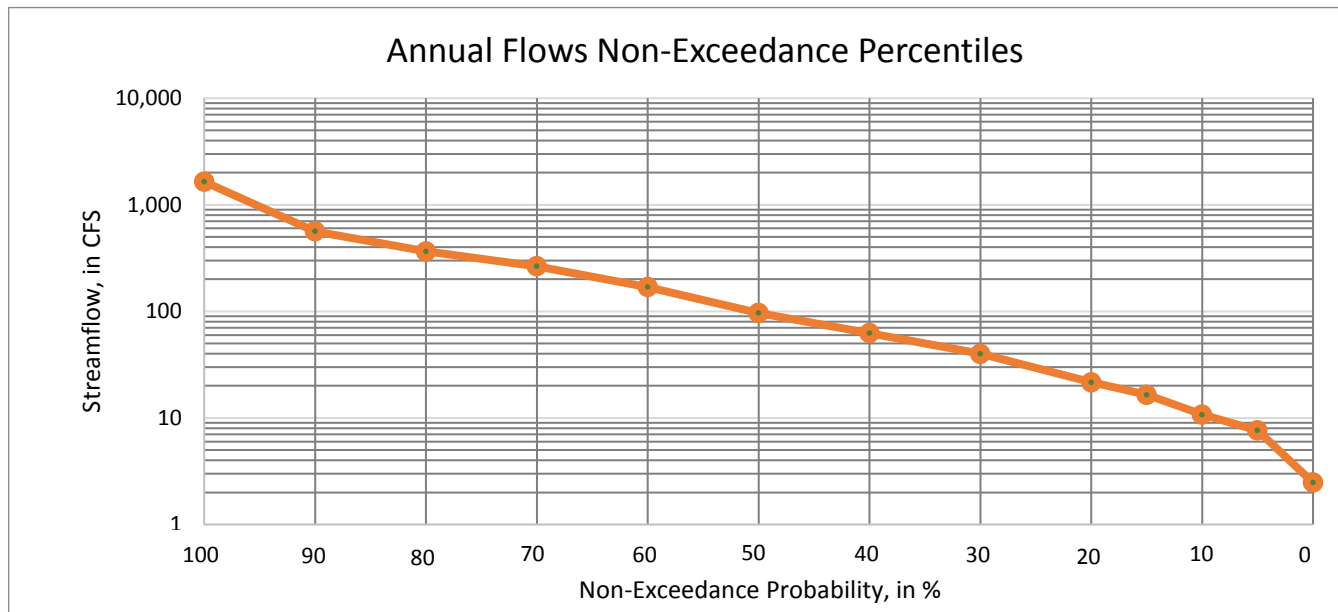
Non-Exceedance Percentiles

02454200 - Wolf Creek near Oakman, Ala.

Annual Statistics

Flows in CFS

Minimum	2.5
5th %	7.6
10th %	10.8
15th %	16.5
20th %	21.6
30th %	39.9
40th %	62.5
Median	96.7
60th %	169.1
70th %	264.7
80th %	365.6
90th %	562.9
Maximum	1644.5
Average	192.4



Q10/Q50	0.11
Q10/Q90	0.02
DA* =	85
CFSM*	
Qmin/DA	0.03
Q5/DA	0.09
Q10/DA	0.13
Q15/DA	0.19
Q20/DA	0.25
Q30/DA	0.47
Q40/DA	0.73
Q50/DA	1.14
Q60/DA	1.99
Q70/DA	3.11
Q80/DA	4.30
Q90/DA	6.62
Qmax/DA	19.35
Qavg/DA	2.26

*CFSM - CUBIC FEET PER SECOND PER SQUARE MILE; DA - DRAINAGE AREA IN SQUARE MILES

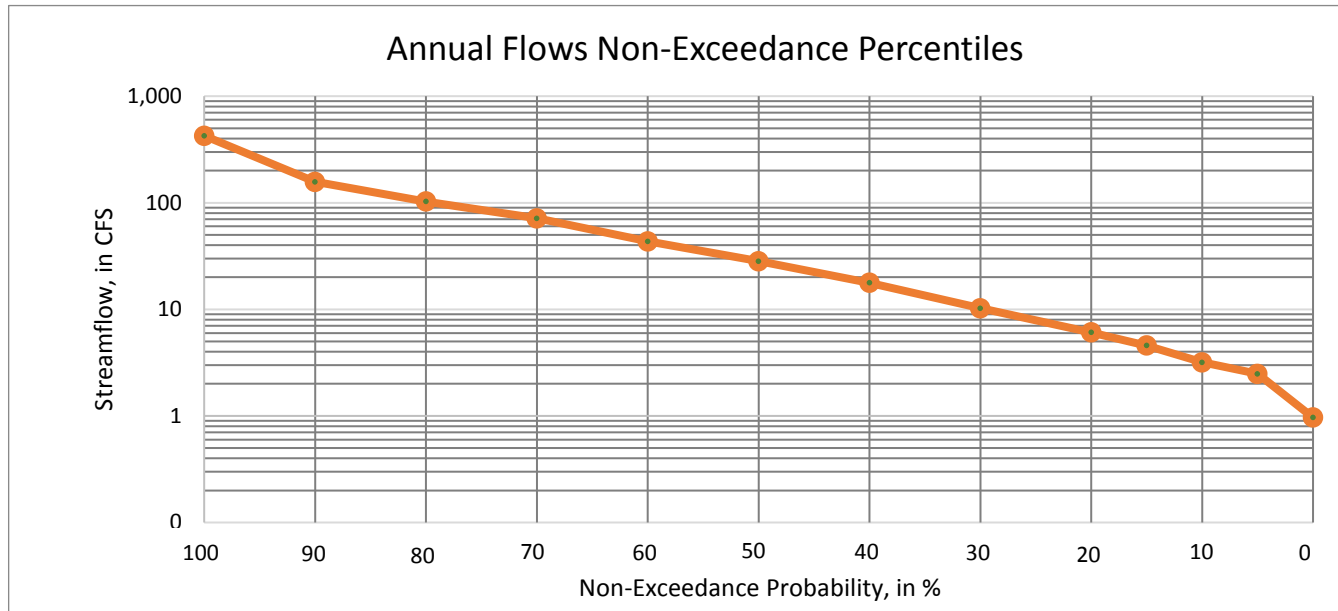
Non-Exceedance Percentiles

02462800 - Davis Creek below Abernant, Ala.

Annual Statistics

Flows in CFS

Minimum	1.0
5th %	2.5
10th %	3.2
15th %	4.6
20th %	6.1
30th %	10.2
40th %	17.7
Median	28.3
60th %	43.4
70th %	71.5
80th %	102.8
90th %	157.0
Maximum	425.5
Average	51.3



Q10/Q50	0.11
Q10/Q90	0.02
DA* =	45.3
CFSM*	
Qmin/DA	0.02
Q5/DA	0.05
Q10/DA	0.07
Q15/DA	0.10
Q20/DA	0.13
Q30/DA	0.23
Q40/DA	0.39
Q50/DA	0.63
Q60/DA	0.96
Q70/DA	1.58
Q80/DA	2.27
Q90/DA	3.47
Qmax/DA	9.39
Qavg/DA	1.13

*CFSM - CUBIC FEET PER SECOND PER SQUARE MILE; DA - DRAINAGE AREA IN SQUARE MILES

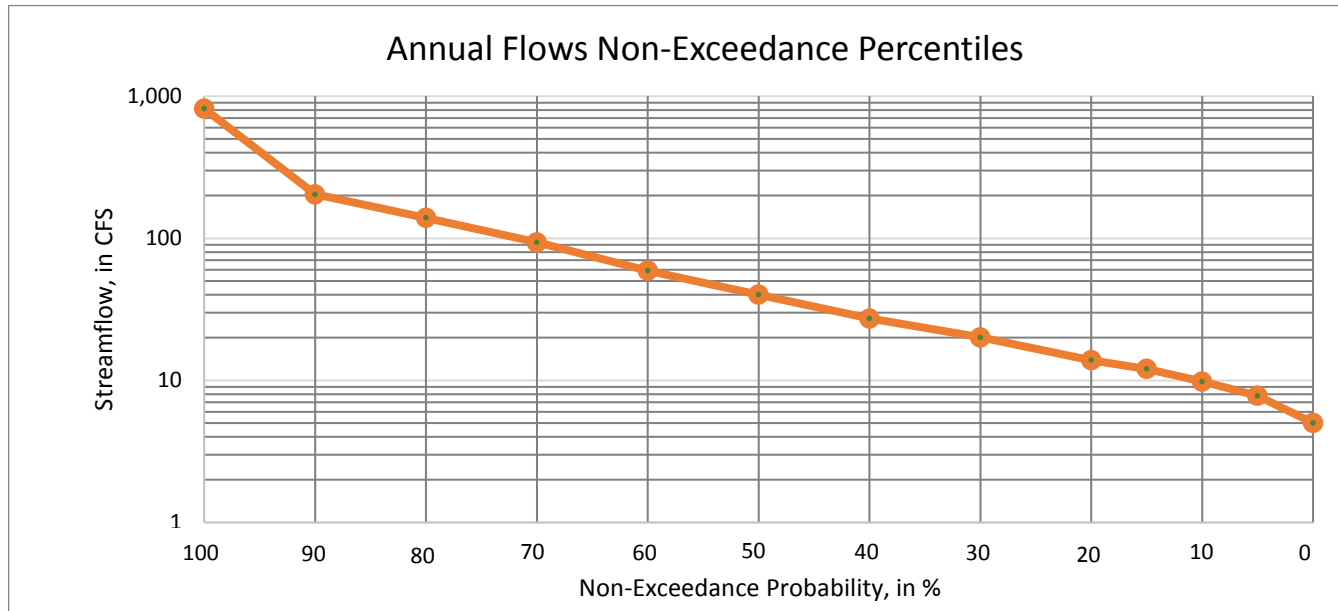
Non-Exceedance Percentiles

02465500 - Fivemile Creek near Greensboro, Ala.

Annual Statistics

Flows in CFS

Minimum	5.0
5th %	7.8
10th %	9.8
15th %	12.0
20th %	13.9
30th %	20.1
40th %	27.2
Median	40.2
60th %	59.2
70th %	93.6
80th %	139.2
90th %	203.8
Maximum	817.0
Average	71.2



Q10/Q50	0.25
Q10/Q90	0.05
DA* =	73.6
CFSM*	
Qmin/DA	0.07
Q5/DA	0.11
Q10/DA	0.13
Q15/DA	0.16
Q20/DA	0.19
Q30/DA	0.27
Q40/DA	0.37
Q50/DA	0.55
Q60/DA	0.80
Q70/DA	1.27
Q80/DA	1.89
Q90/DA	2.77
Qmax/DA	11.10
Qavg/DA	0.97

*CFSM - CUBIC FEET PER SECOND PER SQUARE MILE; DA - DRAINAGE AREA IN SQUARE MILES

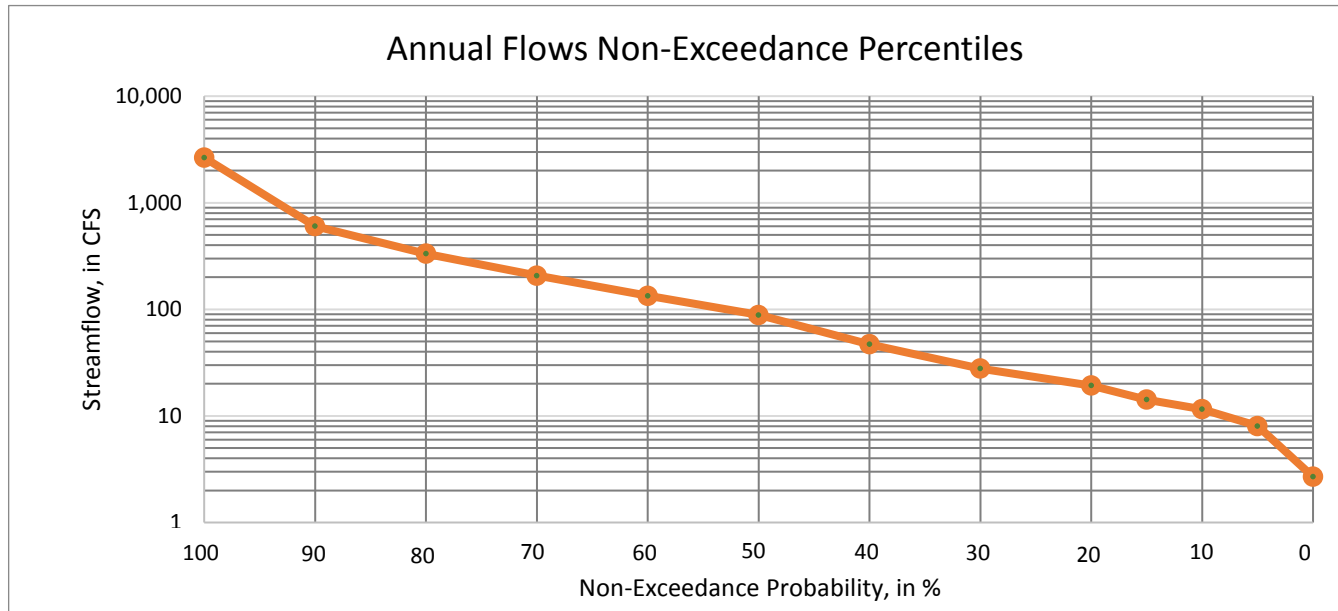
Non-Exceedance Percentiles

02466500 - Big Prairie Creek near Gallion, Ala.

Annual Statistics

Flows in CFS

Minimum	2.7
5th %	8.0
10th %	11.6
15th %	14.2
20th %	19.2
30th %	27.8
40th %	47.0
Median	88.5
60th %	134.2
70th %	206.9
80th %	332.3
90th %	603.0
Maximum	2654.1
Average	210.9



Q10/Q50	0.13
Q10/Q90	0.02
DA* =	171
CFSM*	
Qmin/DA	0.02
Q5/DA	0.05
Q10/DA	0.07
Q15/DA	0.08
Q20/DA	0.11
Q30/DA	0.16
Q40/DA	0.27
Q50/DA	0.52
Q60/DA	0.78
Q70/DA	1.21
Q80/DA	1.94
Q90/DA	3.53
Qmax/DA	15.52
Qavg/DA	1.23

*CFSM - CUBIC FEET PER SECOND PER SQUARE MILE; DA - DRAINAGE AREA IN SQUARE MILES

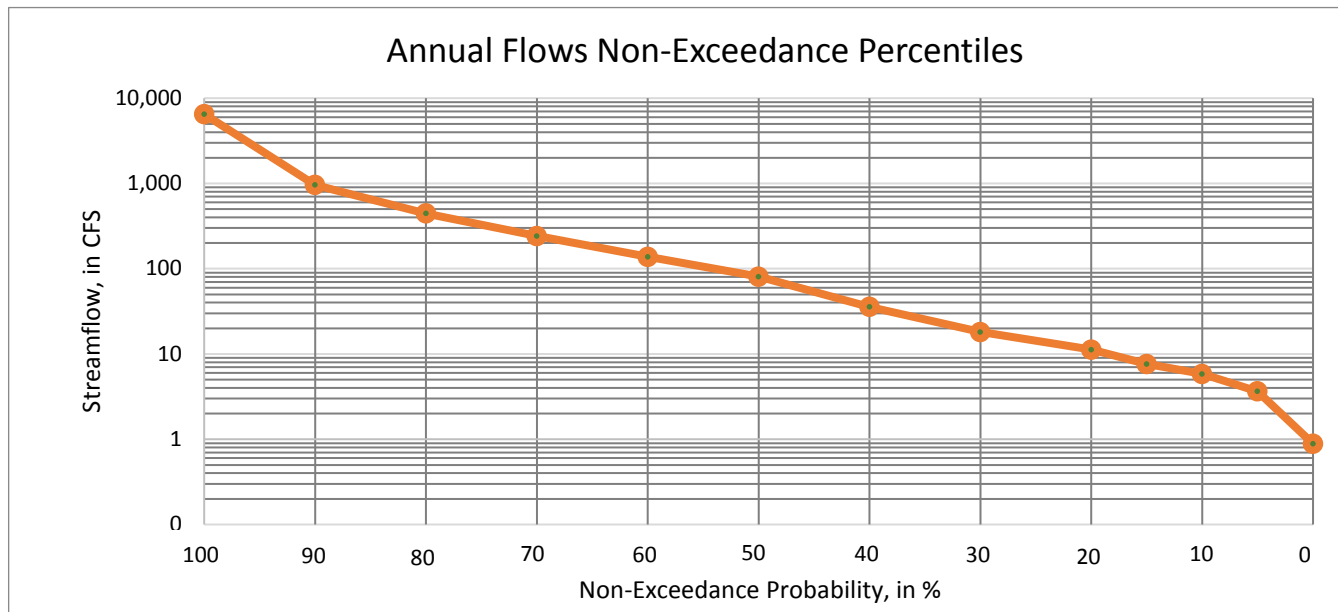
Non-Exceedance Percentiles

02468500 - Chickasaw Bogue near Linden, Ala.

Annual Statistics

Flows in CFS

Minimum	0.89
5th %	3.6
10th %	5.8
15th %	7.6
20th %	11.3
30th %	18.1
40th %	35.7
Median	80.6
60th %	138.1
70th %	241.4
80th %	444.8
90th %	959.8
Maximum	6497.4
Average	247.4



Q10/Q50	0.07
Q10/Q90	0.01
DA* =	257
CFSM*	
Qmin/DA	0.00
Q5/DA	0.01
Q10/DA	0.02
Q15/DA	0.03
Q20/DA	0.04
Q30/DA	0.07
Q40/DA	0.14
Q50/DA	0.31
Q60/DA	0.54
Q70/DA	0.94
Q80/DA	1.73
Q90/DA	3.73
Qmax/DA	25.28
Qavg/DA	0.96

*CFSM - CUBIC FEET PER SECOND PER SQUARE MILE; DA - DRAINAGE AREA IN SQUARE MILES

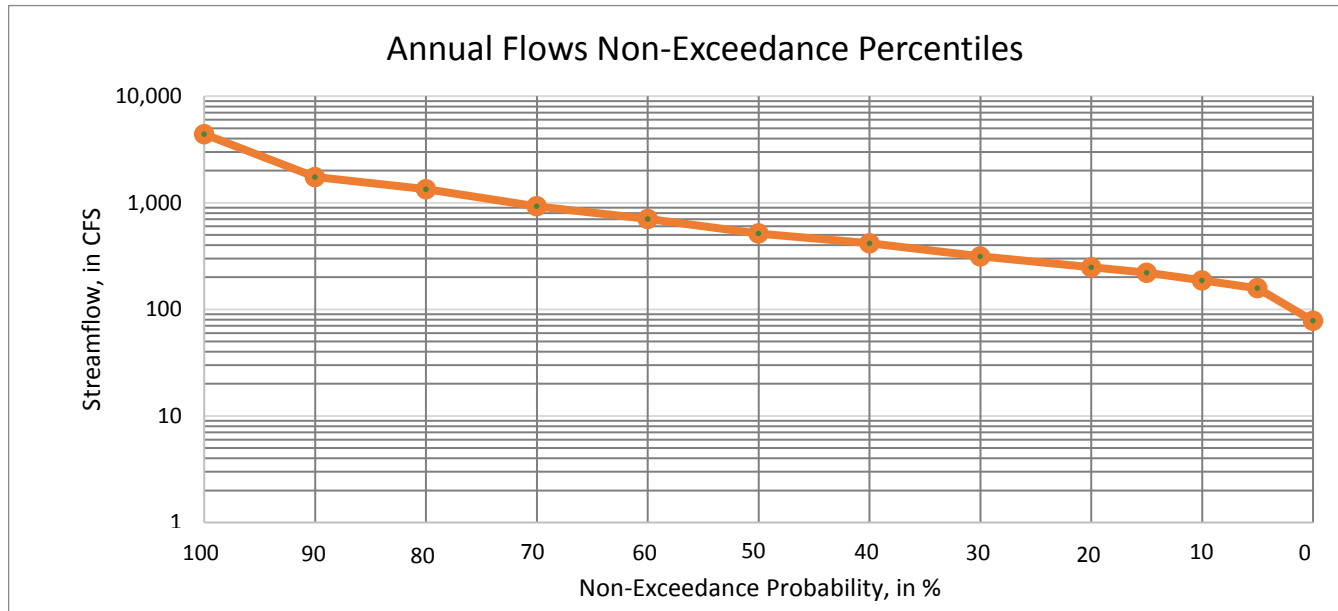
Non-Exceedance Percentiles

02404500 - Choccolocco Creek near Lincoln, Ala.

Annual Statistics

Flows in CFS

Minimum	77.8
5th %	157.5
10th %	186.6
15th %	220.9
20th %	248.1
30th %	313.5
40th %	416.7
Median	514.3
60th %	703.5
70th %	927.2
80th %	1337.7
90th %	1743.3
Maximum	4401.2
Average	812.5



Q10/Q50	0.36
Q10/Q90	0.11
DA* =	496
CFSM*	
Qmin/DA	0.16
Q5/DA	0.32
Q10/DA	0.38
Q15/DA	0.45
Q20/DA	0.50
Q30/DA	0.63
Q40/DA	0.84
Q50/DA	1.04
Q60/DA	1.42
Q70/DA	1.87
Q80/DA	2.70
Q90/DA	3.51
Qmax/DA	8.87
Qavg/DA	1.64

*CFSM - CUBIC FEET PER SECOND PER SQUARE MILE; DA - DRAINAGE AREA IN SQUARE MILES