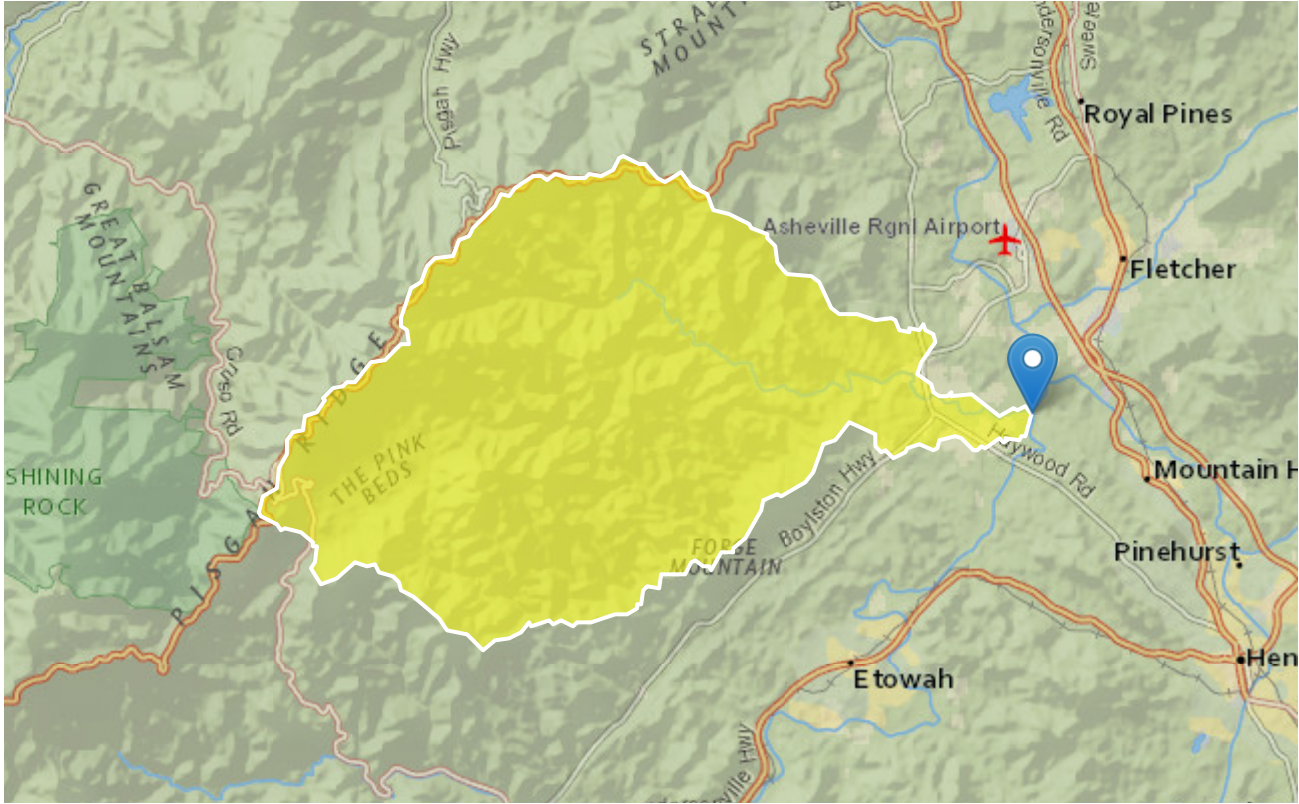


StreamStats Report

Region ID: NC
Workspace ID: NC20191231120320149000
Clicked Point (Latitude, Longitude): 35.38758, -82.53282
Time: 2019-12-31 07:03:36 -0500



Basin Characteristics

Parameter Code	Parameter Description	Value	Unit
----------------	-----------------------	-------	------

Parameter Code	Parameter Description	Value	Unit
DRNAREA	Area that drains to a point on a stream	72.9	square miles
PCTREG1	Percentage of drainage area located in Region 1	0	percent
PCTREG2	Percentage of drainage area located in Region 2	100	percent
PCTREG3	Percentage of drainage area located in Region 3	0	percent
PCTREG4	Percentage of drainage area located in Region 4	0	percent
PCTREG5	Percentage of drainage area located in Region 5	0	percent
BASINPERIM	Perimeter of the drainage basin as defined in SIR 2004-5262	59.2	miles
BSLDEM30FT	Mean basin slope, based on slope percent grid	36.7	percent
CSL10_85fm	Change in elevation between points 10 and 85 percent of length along main channel to basin divide divided by length between points ft per mi	40.08	feet per mi
ELEV	Mean Basin Elevation	3040	feet
ELEVMAX	Maximum basin elevation	5320	feet
I24H50Y	Maximum 24-hour precipitation that occurs on average once in 50 years	8.62	inches
LC01BARE	Percentage of area barren land, NLCD 2001 category 31	0.03	percent
LC01CRPHAY	Percentage of cultivated crops and hay, classes 81 and 82, from NLCD 2001	5.289	percent
LC01DEV	Percentage of land-use from NLCD 2001 classes 21-24	3.452	percent
LC01FOREST	Percentage of forest from NLCD 2001 classes 41-43	90.163	percent
LC01HERB	Percentage of herbaceous upland from NLCD 2001 class 71	0.579	percent
LC01IMP	Percent imperviousness of basin area 2001 NLCD	0.38	percent
LC01SHRUB	Percent of area covered by shrubland using 2001 NLCD	0.273	percent
LC01WATER	Percentage of open water, class 11, from NLCD 2001	0.016	percent
LC01WETLND	Percentage of wetlands, classes 90 and 95, from NLCD 2001	0.198	percent

Parameter Code	Parameter Description	Value	Unit
LC06BARE	Percent of area covered by barren rock using 2006 NLCD	0.03	percent
LC06DEV	Percentage of land-use from NLCD 2006 classes 21-24	3.452	percent
LC06FOREST	Percentage of forest from NLCD 2006 classes 41-43	90.16	percent
LC06GRASS	Percent of area covered by grassland/herbaceous using 2006 NLCD	0.576	percent
LC06IMP	Percentage of impervious area determined from NLCD 2006 impervious dataset	0.39	percent
LC06PLANT	Percent of area in cultivation using 2006 NLCD	5.295	percent
LC06SHRUB	Percent of area covered by shrubland using 2006 NLCD	0.273	percent
LC06WATER	Percent of open water, class 11, from NLCD 2006	0.016	percent
LC06WETLND	Percent of area covered by wetland using 2006 NLCD	0.198	percent
LC11BARE	Percentage of barren from NLCD 2011 class 31	0.031	percent
LC11CRPHAY	Percentage of cultivated crops and hay, classes 81 and 82, from NLCD 2011	5.294	percent
LC11DEV	Percentage of developed (urban) land from NLCD 2011 classes 21-24	3.45	percent
LC11FOREST	Percentage of forest from NLCD 2011 classes 41-43	90.149	percent
LC11GRASS	Percent of area covered by grassland/herbaceous using 2011 NLCD	0.557	percent
LC11IMP	Average percentage of impervious area determined from NLCD 2011 impervious dataset	0.4	percent
LC11SHRUB	Percent of area covered by shrubland using 2011 NLCD	0.303	percent
LC11WATER	Percent of open water, class 11, from NLCD 2011	0.016	percent
LC11WETLND	Percentage of wetlands, classes 90 and 95, from NLCD 2011	0.198	percent
LC92FOREST	Percentage of forest from NLCD 1992 classes 41-43	92.869	percent
LFPLENGTH	Length of longest flow path	35.553	miles
LU92BARE	Percent of area covered by barren rock using 1992 NLCD	0.011	percent
LU92DEV	Percent of area covered by all densities of developed land using 1992 NLCD	0.642	percent

Parameter Code	Parameter Description	Value	Unit
LU92PLANT	Percent of area in cultivation using 1992 NLCD	6.209	percent
LU92WATER	Percent of area covered by water using 1992 NLCD	0.013	percent
LU92WETLN	Percent of area covered by wetland using 1992 NLCD	0.255	percent
MINBELEV	Minimum basin elevation	2040	feet
OUTLETELEV	Elevation of the stream outlet in thousands of feet above NAVD88.	2044	feet
PRECIP	Mean Annual Precipitation	62.6	inches
PROTECTED	Percent of area of protected Federal and State owned land	0.91	percent
SSURGOA	Percentage of area of Hydrologic Soil Type A from SSURGO	27.6	percent
SSURGOB	Percentage of area of Hydrologic Soil Type B from SSURGO	69.4	percent
SSURGOC	Percentage of area of Hydrologic Soil Type C from SSURGO	1.69	percent
SSURGOD	Percentage of area of Hydrologic Soil Type D from SSURGO	0.53	percent

Peak-Flow Statistics Parameters[Peak Southeast US over 1 sqmi 2009 5158]

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
DRNAREA	Drainage Area	72.9	square miles	1	9000
PCTREG1	Percent Area in Region 1	0	percent	0	100
PCTREG2	Percent Area in Region 2	100	percent	0	100
PCTREG3	Percent Area in Region 3	0	percent	0	100
PCTREG4	Percent Area in Region 4	0	percent	0	100
PCTREG5	Percent Area in Region 5	0	percent	0	100

Peak-Flow Statistics Flow Report^[Peak Southeast US over 1 sqmi 2009 5158]

PII: Prediction Interval-Lower, Plu: Prediction Interval-Upper, SEp: Standard Error of Prediction, SE: Standard Error (other -- see report)

Statistic	Value	Unit	PII	Plu	SEp
2 Year Peak Flood	3100	ft ³ /s	1780	5380	34.5
5 Year Peak Flood	5190	ft ³ /s	3010	8950	34
10 Year Peak Flood	6780	ft ³ /s	3860	11900	35.1
25 Year Peak Flood	8880	ft ³ /s	4880	16200	37.5
50 Year Peak Flood	10400	ft ³ /s	5540	19500	39.6
100 Year Peak Flood	12200	ft ³ /s	6310	23800	41.9
200 Year Peak Flood	13800	ft ³ /s	6870	27800	44.3
500 Year Peak Flood	16300	ft ³ /s	7690	34400	47.7

Peak-Flow Statistics Citations

Weaver, J.C., Feaster, T.D., and Gotvald, A.J., 2009, Magnitude and frequency of rural floods in the Southeastern United States, through 2006—Volume 2, North Carolina: U.S. Geological Survey Scientific Investigations Report 2009–5158, 111 p. (<http://pubs.usgs.gov/sir/2009/5158/>)

USGS Data Disclaimer: Unless otherwise stated, all data, metadata and related materials are considered to satisfy the quality standards relative to the purpose for which the data were collected. Although these data and associated metadata have been reviewed for accuracy and completeness and approved for release by the U.S. Geological Survey (USGS), no warranty expressed or implied is made regarding the display or utility of the data for other purposes, nor on all computer systems, nor shall the act of distribution constitute any such warranty.

USGS Software Disclaimer: This software has been approved for release by the U.S. Geological Survey (USGS). Although the software has been subjected to rigorous review, the USGS reserves the right to update the software as needed pursuant to further analysis and review. No warranty, expressed or implied, is made by the USGS or the U.S. Government as to the functionality of the software and related material nor shall the fact of release constitute any such warranty. Furthermore, the software is released on condition that neither the USGS nor the U.S. Government shall be held liable for any damages resulting from its authorized or unauthorized use.

USGS Product Names Disclaimer: Any use of trade, firm, or product names is for descriptive purposes only and does not imply endorsement by the U.S. Government.