

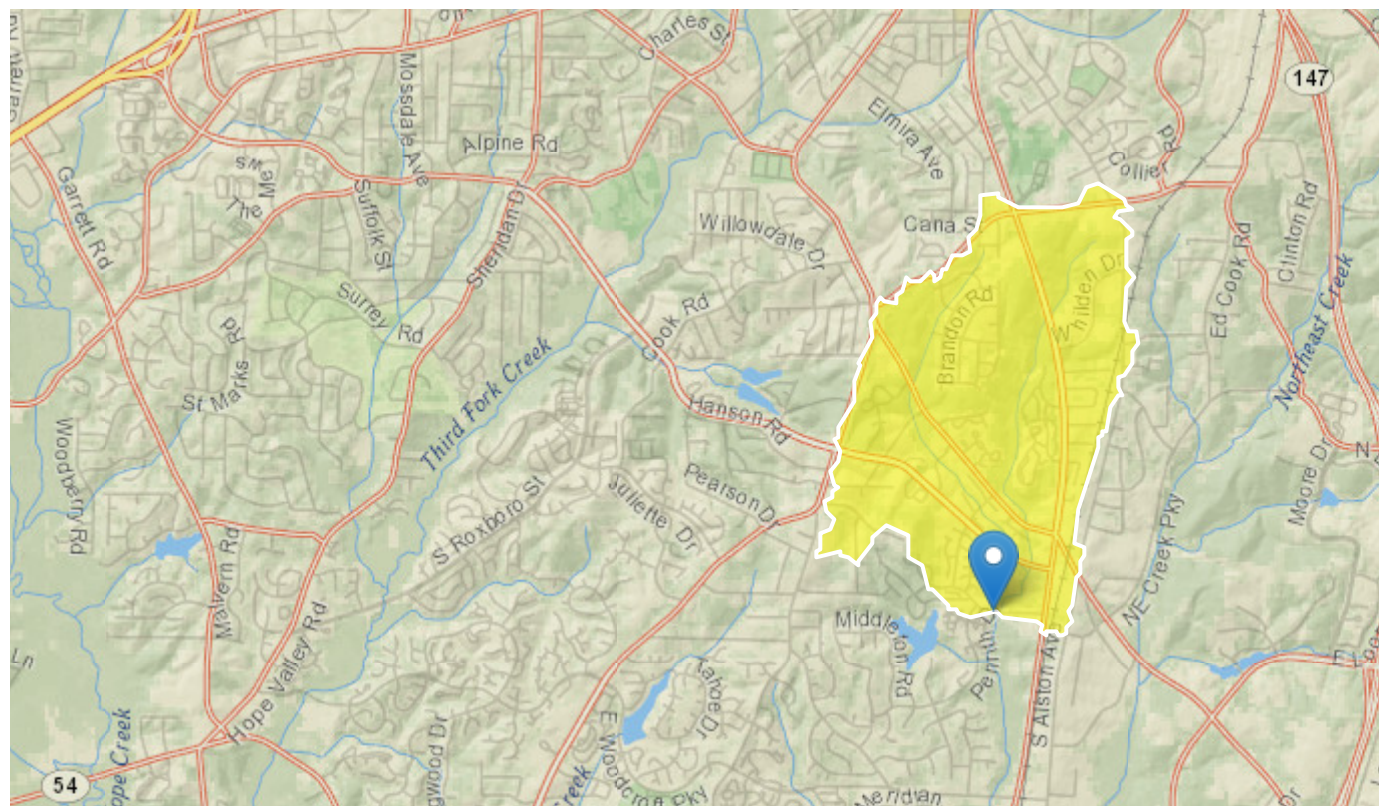
Odyssey Drive StreamStats Report

Region ID: NC

Workspace ID: NC20180323132702035000

Clicked Point (Latitude, Longitude): 35.92819, -78.89349

Time: 2018-03-23 09:27:03 -0400



Basin Characteristics

Parameter Code	Parameter Description	Value	Unit
DRNAREA	Area that drains to a point on a stream	2.12	square miles
PCTREG1	Percentage of drainage area located in Region 1	100	percent
PCTREG2	Percentage of drainage area located in Region 2	0	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

Parameter Code	Parameter Description	Value	Unit
LC06IMP	Percentage of impervious area determined from NLCD 2006 impervious dataset	16.85	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	2.12	square miles	1	9000
PCTREG1	Percent Area in Region 1	100	percent	0	100
PCTREG2	Percent Area in Region 2	0	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	SE	SEp
2 Year Peak Flood	258	ft ³ /s	148	449	34.5	34.5
5 Year Peak Flood	473	ft ³ /s	274	817	34	34
10 Year Peak Flood	633	ft ³ /s	360	1110	35.1	35.1
25 Year Peak Flood	847	ft ³ /s	465	1540	37.5	37.5
50 Year Peak Flood	1040	ft ³ /s	552	1950	39.6	39.6
100 Year Peak Flood	1210	ft ³ /s	624	2360	41.9	41.9
200 Year Peak Flood	1390	ft ³ /s	689	2790	44.3	44.3
500 Year Peak Flood	1660	ft ³ /s	786	3510	47.7	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/>)

Urban Peak-Flow Statistics Parameters [Region 1 Urban under 3 sqmi 2014 5030]

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
DRNAREA	Drainage Area	2.12	square miles	0.1	3
LC06IMP	Percent Impervious NLCD2006	16.85	percent	0	47.9

Urban Peak-Flow Statistics Flow Report [Region 1 Urban under 3 sqmi 2014 5030]

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
Urban 2 Year Peak Flood	465	ft ³ /s	251	863	31.9
Urban 5 Year Peak Flood	716	ft ³ /s	434	1180	25.4
Urban 10 Year Peak Flood	901	ft ³ /s	558	1460	25
Urban 25 Year Peak Flood	1140	ft ³ /s	674	1930	27
Urban 50 Year Peak Flood	1320	ft ³ /s	749	2330	29.3
Urban 100 Year Peak Flood	1510	ft ³ /s	809	2820	32.1
Urban 200 Year Peak Flood	1710	ft ³ /s	866	3360	35.1
Urban 500 Year Peak Flood	1930	ft ³ /s	934	3990	37.5

Urban Peak-Flow Statistics Citations

Feaster, T.D., Gotvald, A.J., and Weaver, J.C., 2014, Methods for estimating the magnitude and frequency of floods for urban and small, rural streams in Georgia, South Carolina, and North Carolina, 2011 (ver. 1.1, March 2014): U.S. Geological Survey Scientific Investigations Report 2014-5030, 104 p. (<http://pubs.usgs.gov/sir/2014/5030/>)