

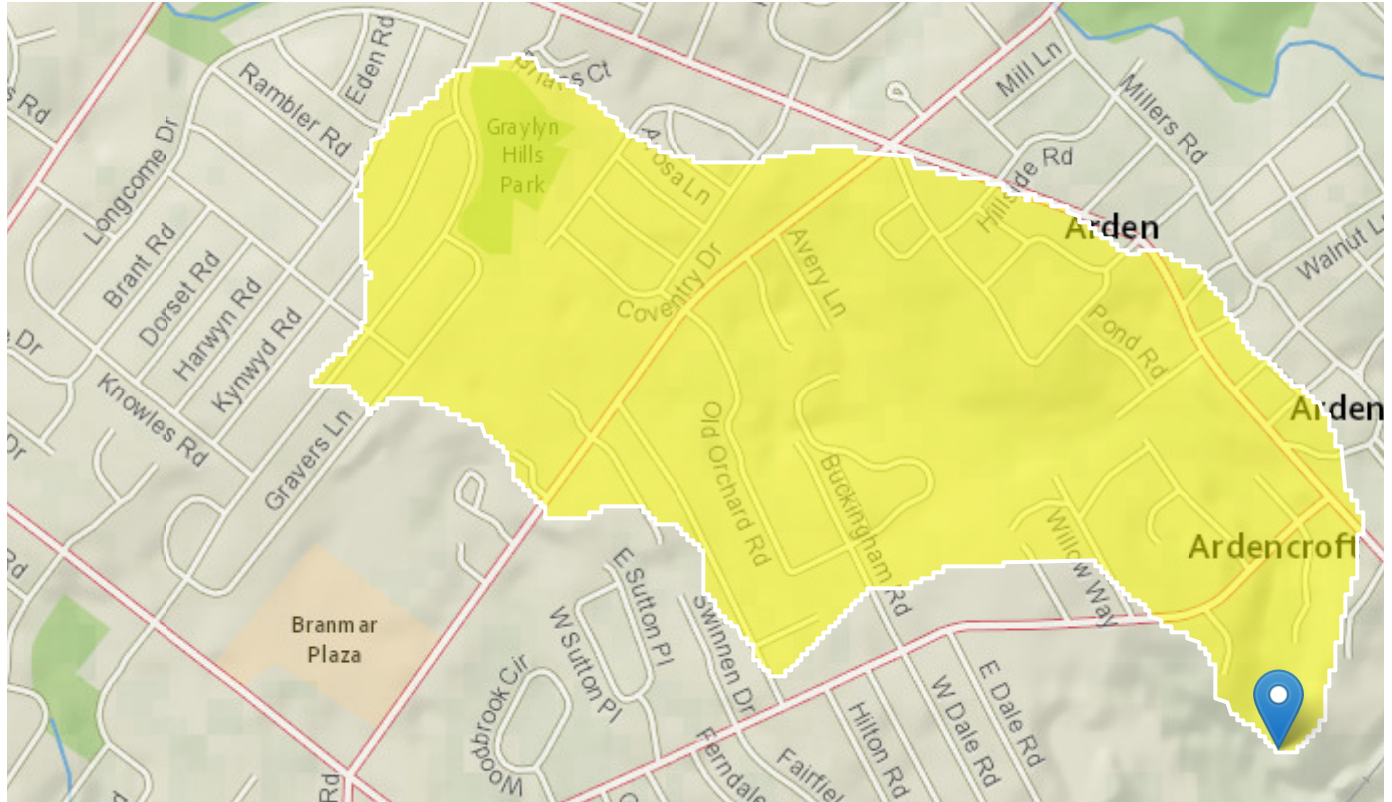
Arden StreamStats Report

Region ID: DE

Workspace ID: DE20200426135459295000

Clicked Point (Latitude, Longitude): 39.80260, -75.48517

Time: 2020-04-26 09:55:18 -0400



Arden South

Basin Characteristics

Parameter Code	Parameter Description	Value	Unit
DRNAREA	Area that drains to a point on a stream	0.5	square miles
FOREST	Percentage of area covered by forest	14.5041	percent
SOILA	Percentage of area of Hydrologic Soil Type A	0	percent
IMPNLCD01	Percentage of impervious area determined from NLCD 2001 impervious dataset	12.6364	percent

Parameter Code	Parameter Description	Value	Unit
STORNHD	Percent storage (wetlands and waterbodies) determined from 1:24K NHD	0	percent
BSLDEM10M	Mean basin slope computed from 10 m DEM	4.07	percent
LC11DEV	Percentage of developed (urban) land from NLCD 2011 classes 21-24	73.3	percent
LC11IMP	Average percentage of impervious area determined from NLCD 2011 impervious dataset	12.4	percent

Peak-Flow Statistics Parameters[Piedmont Region]

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
DRNAREA	Drainage Area	0.5	square miles	0.31	319
FOREST	Percent Forest	14.5041	percent	4.07	84.9
SOILA	Percent Hydrologic Soil Type A	0	percent	0	7.22
IMPNLCD01	Percent Impervious NLCD2001	12.6364	percent	0.1	38.3
STORNHD	Percent Storage from NHD	0	percent	0	2.92

Peak-Flow Statistics Flow Report[Piedmont Region]

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	SE	Equiv. Yrs.
2 Year Peak Flood	243	ft ³ /s	144	413	28.9	28.9	4.1
5 Year Peak Flood	410	ft ³ /s	242	695	28.1	28.1	6.7
10 Year Peak Flood	403	ft ³ /s	239	681	29.9	29.9	8.4
25 Year Peak Flood	553	ft ³ /s	320	955	31	31	11.3
50 Year Peak Flood	674	ft ³ /s	379	1200	32.7	32.7	12.7
100 Year Peak Flood	809	ft ³ /s	437	1500	35.1	35.1	13.5
200 Year Peak Flood	948	ft ³ /s	488	1840	38	38	13.8
500 Year Peak Flood	1150	ft ³ /s	555	2390	48.3	48.3	13.7

Peak-Flow Statistics Citations

Ries, K.G., III, and Dillow, J.J.A., 2006, Magnitude and frequency of floods in Delaware: Scientific Investigations Report 2006-5146, 59 p. (<http://pubs.usgs.gov/sir/2006/5146/>)

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Application Version: 4.3.11