

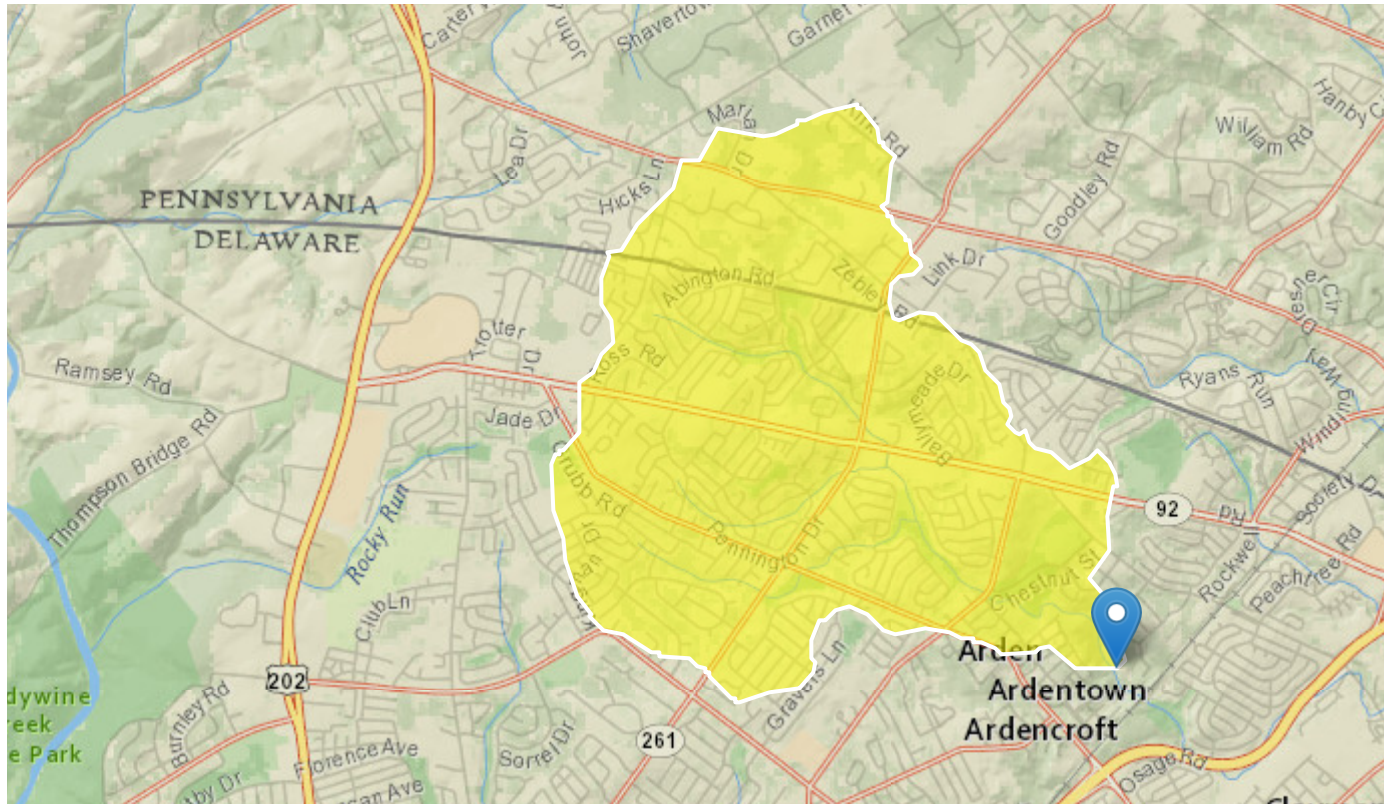
Arden StreamStats Report

Region ID: DE

Workspace ID: DE20200426140018463000

Clicked Point (Latitude, Longitude): 39.81000, -75.47886

Time: 2020-04-26 10:00:34 -0400



Arden North

Basin Characteristics

Parameter Code	Parameter Description	Value	Unit
DRNAREA	Area that drains to a point on a stream	4.37	square miles
FOREST	Percentage of area covered by forest	16.057	percent
SOILA	Percentage of area of Hydrologic Soil Type A	0	percent
IMPNLCD01	Percentage of impervious area determined from NLCD 2001 impervious dataset	13.7323	percent

Parameter Code	Parameter Description	Value	Unit
STORNHD	Percent storage (wetlands and waterbodies) determined from 1:24K NHD	0.0716	percent
BSLDEM10M	Mean basin slope computed from 10 m DEM	3.98	percent
LC11DEV	Percentage of developed (urban) land from NLCD 2011 classes 21-24	78	percent
LC11IMP	Average percentage of impervious area determined from NLCD 2011 impervious dataset	16	percent

Peak-Flow Statistics Parameters[100 Percent (4.36 square miles) Piedmont Region]

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
DRNAREA	Drainage Area	4.37	square miles	0.31	319
FOREST	Percent Forest	16.057	percent	4.07	84.9
SOILA	Percent Hydrologic Soil Type A	0	percent	0	7.22
IMPNLCD01	Percent Impervious NLCD2001	13.7323	percent	0.1	38.3
STORNHD	Percent Storage from NHD	0.0716	percent	0	2.92

Peak-Flow Statistics Flow Report[100 Percent (4.36 square miles) 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	1030	ft ³ /s	621	1700	28.9	28.9	4.1
5 Year Peak Flood	1630	ft ³ /s	990	2690	28.1	28.1	6.7
10 Year Peak Flood	1630	ft ³ /s	1000	2640	29.9	29.9	8.4
25 Year Peak Flood	2230	ft ³ /s	1350	3690	31	31	11.3
50 Year Peak Flood	2740	ft ³ /s	1610	4650	32.7	32.7	12.7
100 Year Peak Flood	3320	ft ³ /s	1890	5840	35.1	35.1	13.5
200 Year Peak Flood	3920	ft ³ /s	2140	7200	38	38	13.8
500 Year Peak Flood	4850	ft ³ /s	2480	9480	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