

ATTACHMENT 2
APPLICATION FEE & WORKSHEET



CHAPTER 105 FEE(S) CALCULATION WORKSHEET

Additional information can be found at [25 PA Code §105.13](#) (relating to regulated activities – information and fees), the General Permit Registration ([3150-PM-BWEW0500](#)), the Joint Permit Application ([3150-PM-BWEW0036](#)) and the Dam Permit Application ([3140-PM-BWEW0001](#))

Federal, State, county or municipal agencies or municipal authorities:

EXEMPT from fees

These entities are exempt from these fees. If the applicant falls into one of these categories, please check the box above and provide only the first page of this worksheet with the project application or registration.

ALL OTHERS:

1. Please place an "X" in the box next to all authorizations that apply to the project and complete the fee information below those authorization(s). Projects may require multiple authorizations and fees, further clarification and examples are included below and at the end of this document.
2. Total each authorization, Section, and Part. Part One is for Water Obstructions and Encroachment authorizations, Part Two is for Dam Safety authorizations.
3. Please provide this completed worksheet (page 1 and page 2 and/or page 3, as is appropriate to the project) and a check for the applicable fee(s) with the project application or registration. The check should be made payable to the "Commonwealth of Pennsylvania Clean Water Fund" OR "_____ Conservation District Clean Water Fund", whichever is the reviewing entity.

NOTES:

Per 25 PA Code §105.13(c)(2)(iii) Disturbance review fees are calculated by individually adding all of the permanent and temporary impacts to waterways, floodways, floodplains and bodies of water including wetlands to the next highest tenth acre and multiplying the permanent and temporary impacts by the respective fees and then these amounts are added to the other applicable fees.

Entities proposing structures or activities to occupy a Submerged Lands of the Commonwealth must obtain a Submerged Lands License Agreement (SLLA) and pay the appropriate annual charge. The applicant will be contacted if this charge applies to the project.

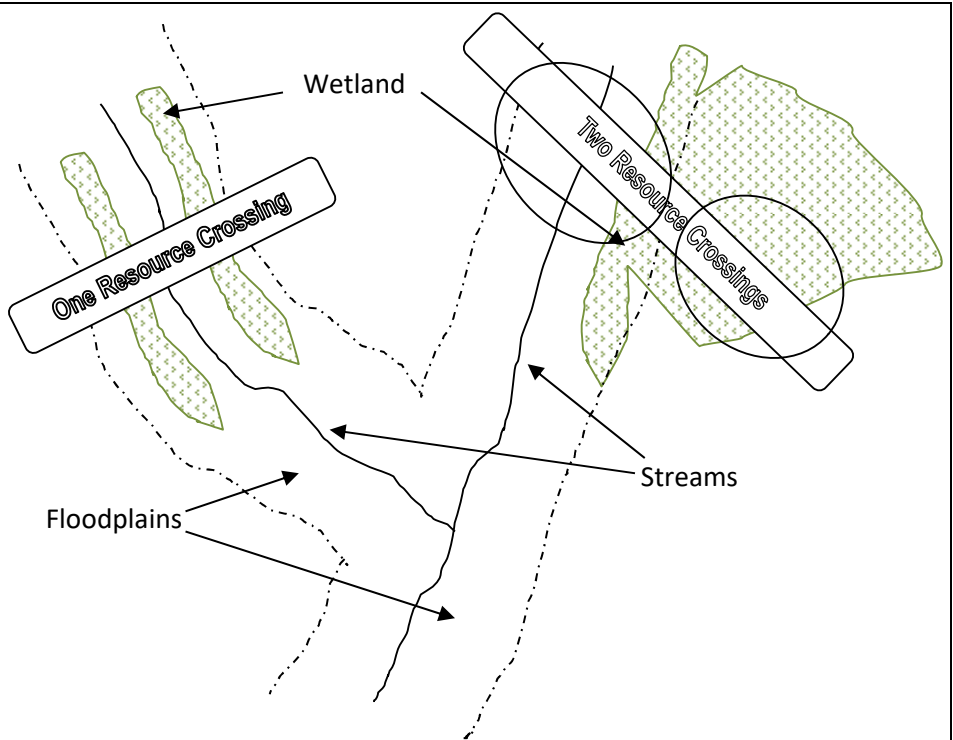
Floodway – The channel of the watercourse and portions of the adjoining floodplains which are reasonably required to carry and discharge the 100-year frequency flood. Unless otherwise specified, the boundary of the floodway is as indicated on maps and flood insurance studies provided by FEMA. In an area where no FEMA maps or studies have defined the boundary of the 100-year frequency floodway, it is assumed, absent evidence to the contrary, that the floodway extends from the stream to 50 feet from the top of the bank of the stream.

Wetland and Stream Clarification:

¹ In many instances, wetlands are located within the floodplain of a stream. These resources for the purposes of calculating disturbance fees are considered co-located or overlapping and the area of disturbance would only be used once.

² In the case of GP-5, GP-7 and GP-8 fees are charged per structure per resource crossing and the following also applies to the disturbance fees:

- A crossing of the stream and the floodplain with wetlands present within the floodplain is considered one resource crossing.
- When the crossing traverses a stream and the floodplain and a wetland that is located outside of the floodplain or a wetland that extends out beyond the floodplain, it is considered two resource crossings.



PART ONE: WATER OBSTRUCTIONS AND ENCROACHMENTS

SECTION A. APPLICATION FEES

WATER OBSTRUCTION AND ENCROACHMENT PERMIT (Joint Permit Application)

Some activities or structures within a project may also qualify for an accumulation of General Permit fees, please mark the box above indicating an Individual Water Obstruction and Encroachment Permit AND the corresponding fee(s) in the General Permit section below those. Activities or structures not qualifying for a General Permit fee must include a disturbance fee.

<input checked="" type="checkbox"/> Administrative Filing Fee ¹		\$ 1,750	+	
<input checked="" type="checkbox"/> Temporary Disturbance (\$400/0.1ac)	12.2 acres x \$4,000 =	\$ 48,800	+	
<input checked="" type="checkbox"/> Permanent Disturbance (\$800/0.1ac)	1.6 acres x \$8,000 =	\$ 12,800		= \$ 63,350

WO&E FEE subtotal (a) \$ 63,350

GENERAL PERMIT(S) (select activity/structure(s) below, see page 4 for “#” explanation)

Some activities or structures within a project requiring an Individual Water Obstruction and Encroachment Permit may qualify for an accumulation of General Permit fees, please mark the corresponding fee(s) below but not the box above indicating a General Permit.

<input type="checkbox"/> GP-1 Fish Habitat Enhancement Structures		\$ 50	= \$	_____
<input type="checkbox"/> GP-2 Small Docks and Boat Launching Ramps.....	_____ (#) X	\$ 175	= \$	_____
<input type="checkbox"/> GP-3 Bank Rehabilitation, Bank Protection and Gravel Bar Removal.....	_____ (#) X	\$ 250	= \$	_____
<input type="checkbox"/> GP-4 Intake and Outfall Structures	_____ (#) X	\$ 200	= \$	_____
<input type="checkbox"/> GP-5 Utility Line Stream Crossings ²	_____ (#) X _____ (#) X	\$ 250	= \$	_____
<input type="checkbox"/> GP-6 Agricultural Crossings and Ramps	_____ (#) X	\$ 50	= \$	_____
<input type="checkbox"/> GP-7 Minor Road Crossings ²	_____ (#) X	\$ 350	= \$	_____
<input type="checkbox"/> GP-8 Temporary Road Crossings ²	_____ (#) X	\$ 175	= \$	_____
<input type="checkbox"/> GP-9 Agricultural Activities		\$ 50	= \$	_____
<input type="checkbox"/> GP-10 Abandoned Mine Reclamation		\$ 500	= \$	_____
<input type="checkbox"/> GP-11 Maintenance, Testing, Repair, Rehabilitation, or Replacement of Water Obstructions and Encroachments ¹		\$ 750	+	
<input type="checkbox"/> Temporary Disturbance (\$400/0.1ac)	_____ acres x \$4,000 =	\$ _____	+	
<input type="checkbox"/> Permanent Disturbance (\$800/0.1ac)	_____ acres x \$8,000 =	\$ _____		= \$ _____
<input type="checkbox"/> GP-15 Private Residential Construction in Wetlands ¹		\$ 750	+	
<input type="checkbox"/> Temporary Disturbance (\$400/0.1ac)	_____ acres x \$4,000 =	\$ _____	+	
<input type="checkbox"/> Permanent Disturbance (\$800/0.1ac)	_____ acres x \$8,000 =	\$ _____		= \$ _____

GP(s) FEE subtotal (b) \$ 0

PART ONE: SECTION A. APPLICATION FEE(S) subtotal (a+b=c) \$ 63,350

SECTION B. OTHER FEES

<input type="checkbox"/> Environmental Assessment for Waived Activities (§105.13(c)(2)(iv))		\$ 500		\$ _____
<input type="checkbox"/> Amendment to Water Obstruction and Encroachment Permit				
<input type="checkbox"/> Major Amendment ¹		\$ 500	+	
<input type="checkbox"/> Temporary Disturbance	_____ acres x \$4,000 =	\$ _____	+	\$ _____
<input type="checkbox"/> Permanent Disturbance.....	_____ acres x \$8,000 =	\$ _____		= \$ _____
<input type="checkbox"/> Minor Amendment		\$ 250		\$ _____

Transfer of Water Obstruction and Encroachment Permit *does not require submission of this form;*
see [Application for Transfer of Permit / Submerged Lands License Agreement \(3150-PM-BWEW-0016\)](#)

PART ONE: SECTION B. OTHER FEE(S) subtotal (d) \$ 0

PART ONE: FEE(S) TOTAL (c+d=e) \$ 63,350

DEP USE ONLY

FEE TOTAL: _____	Permit / Authorization Number (s): _____
Correct Amount: _____	Check #: _____
Check Amount: _____	Payable to: _____

Aquatic Resource Areas Crossed by the Project Facilities, Tioga County

Grouped Resource Crossing Number	Resource Crossing	Feature Classification	PADEP Permanent Impacts ^b		PADEP Temporary Impacts ^c (acres)
			Operations and Maintenance (acres)	Fill (acres)	
Mainline Pipeline (YM59 Pipeline)					
1	S18	Floodway	0.00	0.00	0.052
2	W14, S19	PEM/PSS, Perennial, Floodway	0.026	0.00	0.173
3	W14, W15, S19, S20	PEM, PEM, Perennial, Perennial, Floodways	0.171	0.00	1.399
4	W60, S21	PEM, Perennial, Floodway	0.30	0.00	0.238
5	W16, S22	PEM, Perennial, Floodway	0.025	0.00	0.160
6	S23, S24	Perennial, Perennial, Floodway	0.027	0.00	0.298
7	W17, S24	PEM/PSS/PFO, Perennial	0.158	0.00	0.644
8	W18, S25	PSS, Perennial	0.011	0.00	0.188
9	W20	PEM	0.003	0.00	0.017
10	S28	Perennial, Floodway	0.024	0.00	0.159
11	W21, S26	PEM, Perennial, Floodway	0.066	0.00	0.455
12	S29 ^a	Waived	Waived	Waived	Waived
13	S30 ^a	Waived	Waived	Waived	Waived
14	W55, S62	PFO, Perennial, Floodway	0.072	0.00	0.261
15	W57, S65 _a	PEM, S65 Waived	0.00	0.00	0.016
16	W58, S65 ^a	PEM, S65 Waived	0.003	0.00	0.181
17	W59	PEM	0.005	0.00	0.049
18	W23, W24, S31, S32, S33	PEM, PEM, Perennial, Perennial, Ephemeral, Floodway	0.036	0.00	1.666
19	S39 ^a	Waived	Waived	Waived	Waived
20	W29, S37, S38	PEM, Intermittent, Intermittent	0.047	0.00	0.259
21	S36	Perennial, Floodway	0.053	0.00	0.471
22	S39a	Perennial, Floodway	0.025	0.00	0.159
23	W32	PEM	0.00	0.00	0.021

Grouped Resource Crossing Number	Resource Crossing	Feature Classification	PADEP Permanent Impacts ^b		PADEP Temporary Impacts ^c (acres)
			Operations and Maintenance (acres)	Fill (acres)	
24	S40	Perennial	0.026	0.00	0.186
25	W31	Perennial	0.004	0.00	0.018
26	S41 ^a	Waived	Waived	Waived	Waived
27	W34	PEM	0.079	0.00	0.508
28	S42 ^a	Waived	Waived	Waived	Waived
29	W35, S43 ^a	PEM, S43 Waived	0.014	0.00	0.090
30	W36	PEM	0.026	0.00	0.160
31	S44 ^a	Waived	Waived	Waived	Waived
32	W38, S45 ^a	PEM, S45 Waived	0.003	0.00	0.027
33	S46 ^a	Waived	Waived	Waived	Waived
34	W39	PEM	0.00	0.00	0.022
35	S47	Perennial, Floodway	0.027	0.00	0.192
36	W40, S48, S49 ^a	PFO, Perennial, S49 Waived	0.089	0.00	0.141
37	W41, S50 ^a , S51 ^a	PEM, S50 and S51 Waived	0.00	0.00	0.009
38	W42, S52	PEM/PFO, Perennial, Floodway	0.093	0.00	0.401
39	W43, S53	PEM, Perennial	0.109	0.00	0.690
40	S54 ^a	Waived	Waived	Waived	Waived
41	W54, S66	PEM, Floodway	0.011	0.00	0.206
Total Mainline Pipeline (YM59 Pipeline)			1.533	0.000	9.516
Access Roads					
TAR-2	S19, S20	Perennials, Floodways	0.00	0.00	0.353
TAR-4	S23, S24	Perennials, Floodways	0.00	0.00	0.115
TAR-3	W54, S66	PEM, Floodway	0.00	0.00	0.341
TAR-6	S56 ^a	Waived	Waived	Waived	Waived
TAR-7	S56a, S57, S58, S59	Intermittent, Floodway; S56a, S58, and S59 Waived	0.00	0.00	0.075
TAR-10	W23, S31, S32	PEM, Perennials, Floodways	0.00	0.00	0.272
TAR-10A	W56, S68, S63, S64, S67	PEM, Perennials, Floodways	0.00	0.00	1.25

Grouped Resource Crossing Number	Resource Crossing	Feature Classification	PADEP Permanent Impacts ^b		PADEP Temporary Impacts ^c (acres)
			Operations and Maintenance (acres)	Fill (acres)	
PAR-7	S39 ^a	Waived	Waived	Waived	Waived
TAR-15	S47	Perennial, Floodway	0.00	0.00	0.207
PAR-9	W61	PEM	0.00	0.002	0.00
Total Access Roads			0.000	0.002	2.613
Tioga County Totals			1.533	0.002	12.129

Notes:

Due to rounding, the totals may not reflect the sum of the individual resource impacts. Also, resources were grouped together when their boundaries (wetland, stream, and floodway) overlapped to avoid double-counting resource impacts.

a Per Chapter 105.12(a)(2), stream is considered waived as its' drainage area is less than 100 acres (see attached drainage calculations); therefore, the acreage of the waterbody and floodway is not included in fee calculations.

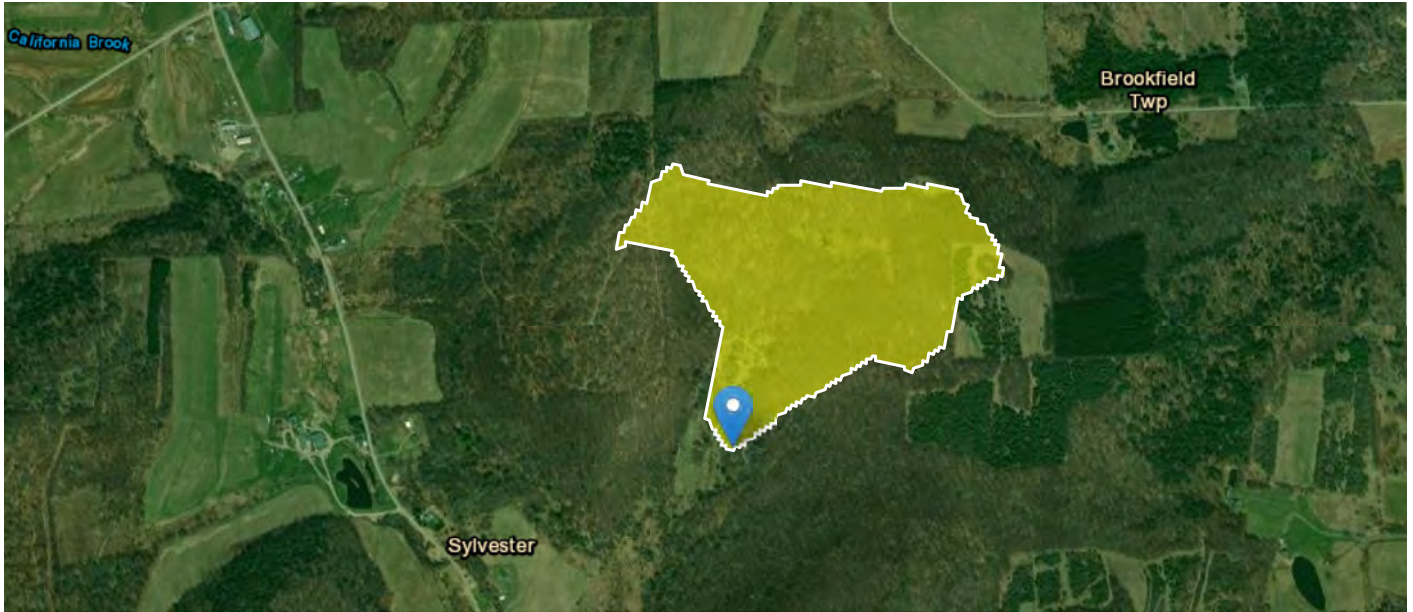
b Per DEP, "Permanent Impacts are those areas affected by a water obstruction or encroachment that consist of both direct and indirect impacts that result from the placement or construction of a water obstruction or encroachment and include areas necessary for the operation and maintenance of the water obstruction or encroachment located in, along or across, or projecting into a watercourse, floodway or body of water." Accordingly, these values represent the acreage of wetland cover type that will be converted from PFO or PSS to a lower successional cover type (e.g., PSS or PEM) because of vegetation maintenance procedures within the 30-foot-wide portion of the permanent ROW that will undergo routine vegetation maintenance. Specifically, in accordance with the FERC Procedures, National Fuel will not conduct routine vegetation mowing or clearing over the full width of the permanent ROW. However, to facilitate periodic corrosion/leak surveys, a corridor centered on the pipeline and up to 10 feet wide may be cleared through all wetlands (PEM, PSS, PFO) at a frequency necessary to maintain the 10-foot corridor in an herbaceous state. In addition, PFO trees within 15 feet of the pipeline with roots that could compromise the integrity of pipeline coating may be selectively cut and removed from the permanent ROW. National Fuel will not conduct any routine vegetation mowing or clearing in wetlands located between HDD entry and exit points (W58, W59, W23) but has included at permanent impact in these areas based on the width of the pipeline (2 feet) times the length of the wetland at centerline.

All streams and floodways will be restored to pre-existing conditions and there will be no long-term impact to the substrate, banks, flow, aquatic/terrestrial life, or floodway. However, National Fuel will maintain a 10 feet wide corridor centered over the pipeline in an herbaceous state and has conservatively identified stream and floodway impacts within this corridor as permanent.

c Per DEP, "Temporary Impacts are those areas affected during the construction of a water obstruction or encroachment that consists of both direct and indirect impacts located in, along or across, or projecting into a watercourse, floodway or body of water that are restored upon completion of construction. This does not include areas that will be maintained as a result of the operation and maintenance of the water obstruction or encroachment located in, along or across, or projecting into a watercourse, floodway or body of water (these are considered permanent impacts)." Accordingly, these values reflect the entire 75-foot-wide limit of disturbance through regulated stream and floodway resources minus the maintained areas described in the permanent impacts.

S29 - StreamStats Report

Region ID: PA
Workspace ID: PA20240905135623351000
Clicked Point (Latitude, Longitude): 41.96511, -77.55017
Time: 2024-09-05 09:56:46 -0400



S29 drainage area is approximately 0.12 sq miles (76.8 acres)

[+ Collapse All](#)

Basin Characteristics

Parameter Code	Parameter Description	Value	Unit
CARBON	Percentage of area of carbonate rock	0	percent
DRNAREA	Area that drains to a point on a stream	0.12	square miles
FOREST	Percentage of area covered by forest	69.5815	percent
PRECIP	Mean Annual Precipitation	33	inches
URBAN	Percentage of basin with urban development	0	percent

General Flow Statistics

General Flow Statistics Parameters [Statewide Mean and Base Flow]

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
DRNAREA	Drainage Area	0.12	square miles	2.26	1720
PRECIP	Mean Annual Precipitation	33	inches	33.1	50.4
CARBON	Percent Carbonate	0	percent	0	99
FOREST	Percent Forest	69.5815	percent	5.1	100

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
URBAN	Percent Urban	0	percent	0	89

General Flow Statistics Disclaimers [Statewide Mean and Base Flow]

One or more of the parameters is outside the suggested range. Estimates were extrapolated with unknown errors.

General Flow Statistics Flow Report [Statewide Mean and Base Flow]

Statistic	Value	Unit
Harmonic Mean Streamflow	0.0104	ft ³ /s

General Flow Statistics Citations

Stuckey, M.H., 2006, Low-flow, base-flow, and mean-flow regression equations for Pennsylvania streams: U.S. Geological Survey Scientific Investigations Report 2006-5130, 84 p. (<http://pubs.usgs.gov/sir/2006/5130/>)

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Application Version: 4.23.0

StreamStats Services Version: 1.2.22

NSS Services Version: 2.2.1

S30 - StreamStats Report

Region ID: PA
Workspace ID: PA20240905150215237000
Clicked Point (Latitude, Longitude): 41.96456, -77.54921
Time: 2024-09-05 11:02:40 -0400



S30 drainage area is approximately 0.13 (83.2 acres)

[+ Collapse All](#)

> Basin Characteristics

Parameter Code	Parameter Description	Value	Unit
CARBON	Percentage of area of carbonate rock	0	percent
DRNAREA	Area that drains to a point on a stream	0.13	square miles
FOREST	Percentage of area covered by forest	59.0882	percent
PRECIP	Mean Annual Precipitation	33	inches
URBAN	Percentage of basin with urban development	0	percent

➤ General Flow Statistics

General Flow Statistics Parameters [Statewide Mean and Base Flow]

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
DRNAREA	Drainage Area	0.13	square miles	2.26	1720
PRECIP	Mean Annual Precipitation	33	inches	33.1	50.4
CARBON	Percent Carbonate	0	percent	0	99
FOREST	Percent Forest	59.0882	percent	5.1	100
URBAN	Percent Urban	0	percent	0	89

General Flow Statistics Disclaimers [Statewide Mean and Base Flow]

One or more of the parameters is outside the suggested range. Estimates were extrapolated with unknown errors.

General Flow Statistics Flow Report [Statewide Mean and Base Flow]

Statistic	Value	Unit
Harmonic Mean Streamflow	0.0107	ft ³ /s

General Flow Statistics Citations

Stuckey, M.H., 2006, Low-flow, base-flow, and mean-flow regression equations for Pennsylvania streams: U.S. Geological Survey Scientific Investigations Report 2006-5130, 84 p. (<http://pubs.usgs.gov/sir/2006/5130/>)

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Application Version: 4.23.0

StreamStats Services Version: 1.2.22

NSS Services Version: 2.2.1

S39 - StreamStats Report

Region ID: PA
Workspace ID: PA20240905195211236000
Clicked Point (Latitude, Longitude): 41.91504, -77.48076
Time: 2024-09-05 15:52:33 -0400



S39 drainage area is approximately 0.0612 sq miles (39.17 acres). This stream was not mapped on stream stats, drainage area was estimated by subtracting from larger drainage area.

[+ Collapse All](#)

> Basin Characteristics

Parameter Code	Parameter Description	Value	Unit
CARBON	Percentage of area of carbonate rock	0	percent
DRNAREA	Area that drains to a point on a stream	0.0612	square miles
FOREST	Percentage of area covered by forest	24.1162	percent
PRECIP	Mean Annual Precipitation	33	inches
URBAN	Percentage of basin with urban development	0	percent

General Disclaimers

This watershed has been edited, computed flows and basin characteristics may not apply. For more information, submit a support request from the 'Help' button in the upper-right of the screen, attach a pdf of this report and request assistance from your local StreamStats regional representative.

➤ General Flow Statistics

General Flow Statistics Parameters [Statewide Mean and Base Flow]

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
DRNAREA	Drainage Area	0.0612	square miles	2.26	1720
PRECIP	Mean Annual Precipitation	33	inches	33.1	50.4
CARBON	Percent Carbonate	0	percent	0	99
FOREST	Percent Forest	24.1162	percent	5.1	100
URBAN	Percent Urban	0	percent	0	89

General Flow Statistics Disclaimers [Statewide Mean and Base Flow]

One or more of the parameters is outside the suggested range. Estimates were extrapolated with unknown errors.

General Flow Statistics Flow Report [Statewide Mean and Base Flow]

Statistic	Value	Unit
Harmonic Mean Streamflow	0.00387	ft ³ /s

General Flow Statistics Citations

Stuckey, M.H., 2006, Low-flow, base-flow, and mean-flow regression equations for Pennsylvania streams: U.S. Geological Survey Scientific Investigations Report 2006-5130, 84 p. (<http://pubs.usgs.gov/sir/2006/5130/>)

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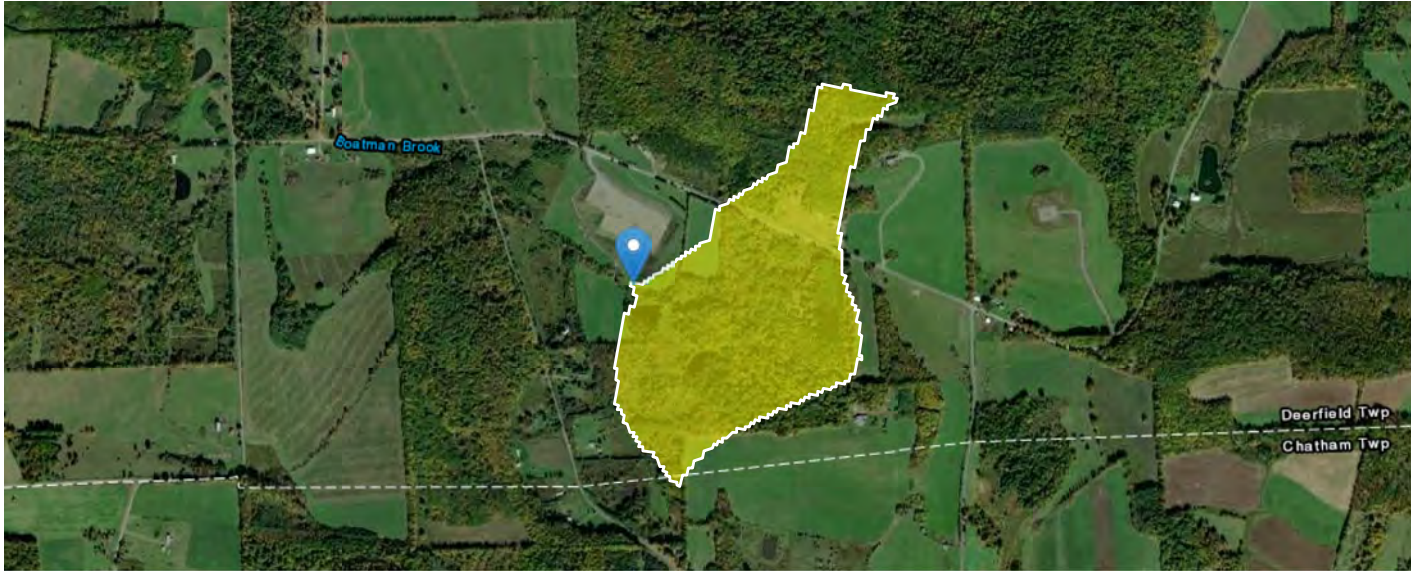
Application Version: 4.23.0

StreamStats Services Version: 1.2.22

NSS Services Version: 2.2.1

S41 - StreamStats Report

Region ID: PA
Workspace ID: PA20240905202557144000
Clicked Point (Latitude, Longitude): 41.91232, -77.43387
Time: 2024-09-05 16:26:24 -0400



S41 is not mapped in Stream Stats but is contained within this larger drainage area which measures approximately 0.13 sq miles (83.2 acres)

[+ Collapse All](#)

> Basin Characteristics

Parameter Code	Parameter Description	Value	Unit
CARBON	Percentage of area of carbonate rock	0	percent
DRNAREA	Area that drains to a point on a stream	0.13	square miles
FOREST	Percentage of area covered by forest	66.6275	percent
PRECIP	Mean Annual Precipitation	33	inches
URBAN	Percentage of basin with urban development	0.5283	percent

> General Flow Statistics

General Flow Statistics Parameters [Statewide Mean and Base Flow]

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
DRNAREA	Drainage Area	0.13	square miles	2.26	1720
PRECIP	Mean Annual Precipitation	33	inches	33.1	50.4
CARBON	Percent Carbonate	0	percent	0	99
FOREST	Percent Forest	66.6275	percent	5.1	100
URBAN	Percent Urban	0.5283	percent	0	89

General Flow Statistics Disclaimers [Statewide Mean and Base Flow]

One or more of the parameters is outside the suggested range. Estimates were extrapolated with unknown errors.

General Flow Statistics Flow Report [Statewide Mean and Base Flow]

Statistic	Value	Unit
Harmonic Mean Streamflow	0.0113	ft ³ /s

General Flow Statistics Citations

Stuckey, M.H., 2006, Low-flow, base-flow, and mean-flow regression equations for Pennsylvania streams: U.S. Geological Survey Scientific Investigations Report 2006-5130, 84 p. (<http://pubs.usgs.gov/sir/2006/5130/>)

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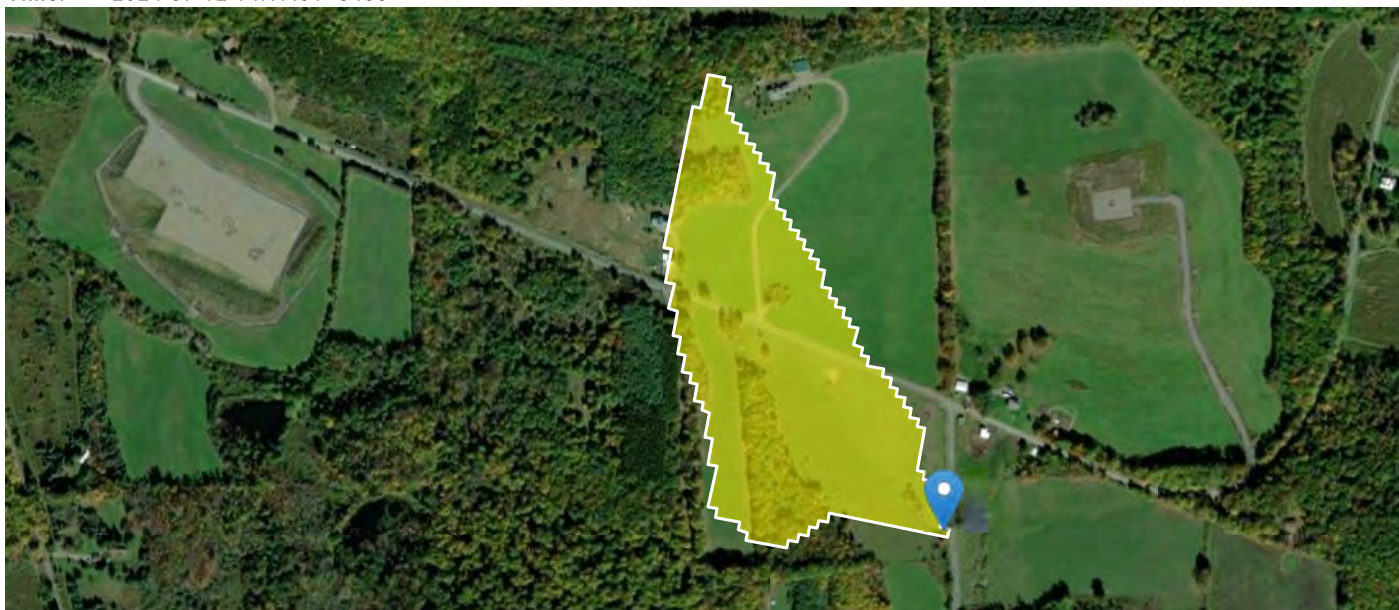
Application Version: 4.23.0

StreamStats Services Version: 1.2.22

NSS Services Version: 2.2.1

S42 - StreamStats Report

Region ID: PA
Workspace ID: PA20240912181526683000
Clicked Point (Latitude, Longitude): 41.91049, -77.42368
Time: 2024-09-12 14:17:01 -0400



S42 drainage area is approximately 0.0358 sq miles (22.9 acres)

[+ Collapse All](#)

Basin Characteristics

Parameter Code	Parameter Description	Value	Unit
CARBON	Percentage of area of carbonate rock	0	percent
DRNAREA	Area that drains to a point on a stream	0.0358	square miles
FOREST	Percentage of area covered by forest	67.8186	percent
PRECIP	Mean Annual Precipitation	33	inches
URBAN	Percentage of basin with urban development	0	percent

General Flow Statistics

General Flow Statistics Parameters [Statewide Mean and Base Flow]

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
DRNAREA	Drainage Area	0.0358	square miles	2.26	1720
PRECIP	Mean Annual Precipitation	33	inches	33.1	50.4
CARBON	Percent Carbonate	0	percent	0	99
FOREST	Percent Forest	67.8186	percent	5.1	100

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
URBAN	Percent Urban	0	percent	0	89

General Flow Statistics Disclaimers [Statewide Mean and Base Flow]

One or more of the parameters is outside the suggested range. Estimates were extrapolated with unknown errors.

General Flow Statistics Flow Report [Statewide Mean and Base Flow]

Statistic	Value	Unit
Harmonic Mean Streamflow	0.00283	ft ³ /s

General Flow Statistics Citations

Stuckey, M.H., 2006, Low-flow, base-flow, and mean-flow regression equations for Pennsylvania streams: U.S. Geological Survey Scientific Investigations Report 2006-5130, 84 p. (<http://pubs.usgs.gov/sir/2006/5130/>)

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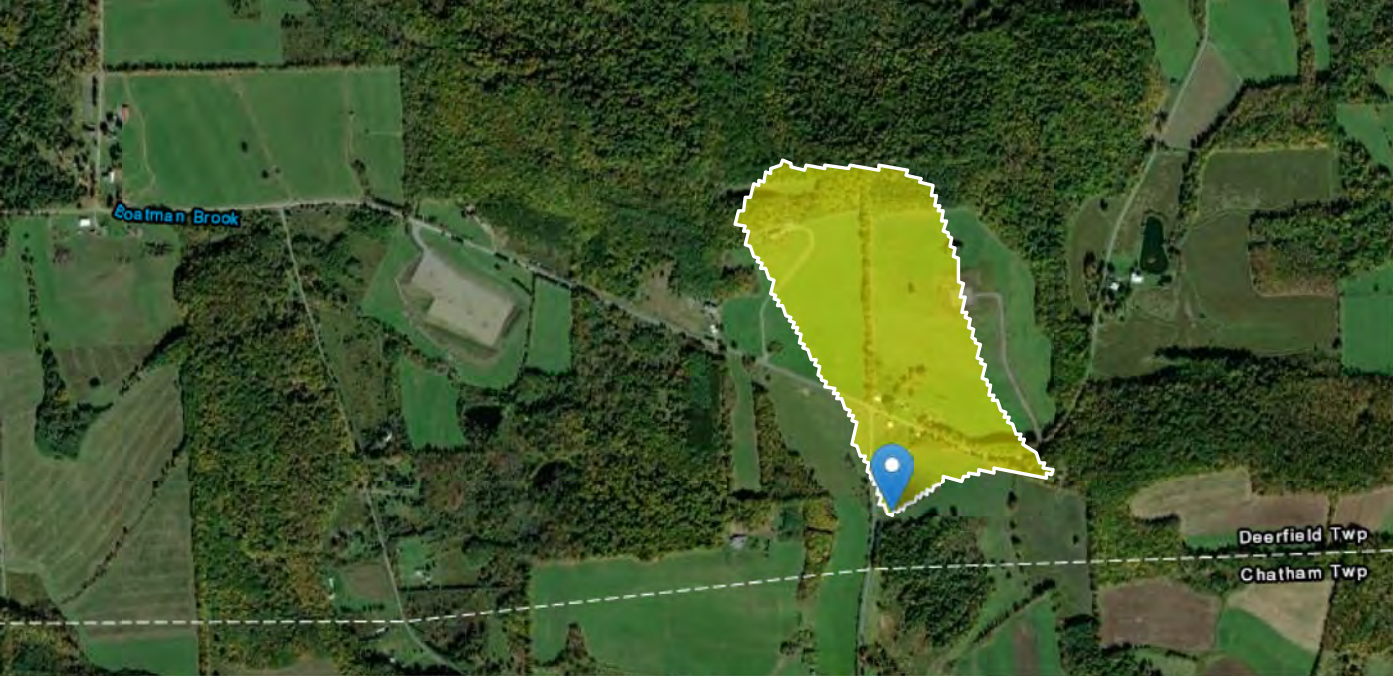
Application Version: 4.23.0

StreamStats Services Version: 1.2.22

NSS Services Version: 2.2.1

S43 - StreamStats Report

Region ID: PA
Workspace ID: PA20240906160927291000
Clicked Point (Latitude, Longitude): 41.90989, -77.42310
Time: 2024-09-06 12:09:56 -0400



S43 is not mapped on Stream Stats but it is included in this larger basin which has an approximate area of 0.0955 sq miles (61.12 acres)

[+ Collapse All](#)

> Basin Characteristics

Parameter Code	Parameter Description	Value	Unit
CARBON	Percentage of area of carbonate rock	0	percent
DRNAREA	Area that drains to a point on a stream	0.0955	square miles
FOREST	Percentage of area covered by forest	52.1019	percent
PRECIP	Mean Annual Precipitation	33	inches
URBAN	Percentage of basin with urban development	0	percent

➤ General Flow Statistics

General Flow Statistics Parameters [Statewide Mean and Base Flow]

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
DRNAREA	Drainage Area	0.0955	square miles	2.26	1720
PRECIP	Mean Annual Precipitation	33	inches	33.1	50.4
CARBON	Percent Carbonate	0	percent	0	99
FOREST	Percent Forest	52.1019	percent	5.1	100
URBAN	Percent Urban	0	percent	0	89

General Flow Statistics Disclaimers [Statewide Mean and Base Flow]

One or more of the parameters is outside the suggested range. Estimates were extrapolated with unknown errors.

General Flow Statistics Flow Report [Statewide Mean and Base Flow]

Statistic	Value	Unit
Harmonic Mean Streamflow	0.00743	ft ³ /s

General Flow Statistics Citations

Stuckey, M.H., 2006, Low-flow, base-flow, and mean-flow regression equations for Pennsylvania streams: U.S. Geological Survey Scientific Investigations Report 2006-5130, 84 p. (<http://pubs.usgs.gov/sir/2006/5130/>)

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Application Version: 4.23.0

StreamStats Services Version: 1.2.22

NSS Services Version: 2.2.1

S44 - StreamStats Report

Region ID: PA
 Workspace ID: PA20240906163015332000
 Clicked Point (Latitude, Longitude): 41.90531, -77.41572
 Time: 2024-09-06 12:30:37 -0400



S44 is part of this larger basin with an approximate area of 0.0383 sq miles (24.51 acres)

[+ Collapse All](#)

> Basin Characteristics

Parameter Code	Parameter Description	Value	Unit
CARBON	Percentage of area of carbonate rock	0	percent
DRNAREA	Area that drains to a point on a stream	0.0383	square miles
FOREST	Percentage of area covered by forest	50	percent
PRECIP	Mean Annual Precipitation	33	inches
URBAN	Percentage of basin with urban development	0	percent

> General Flow Statistics

General Flow Statistics Parameters [Statewide Mean and Base Flow]

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
DRNAREA	Drainage Area	0.0383	square miles	2.26	1720
PRECIP	Mean Annual Precipitation	33	inches	33.1	50.4
CARBON	Percent Carbonate	0	percent	0	99
FOREST	Percent Forest	50	percent	5.1	100
URBAN	Percent Urban	0	percent	0	89

General Flow Statistics Disclaimers [Statewide Mean and Base Flow]

One or more of the parameters is outside the suggested range. Estimates were extrapolated with unknown errors.

General Flow Statistics Flow Report [Statewide Mean and Base Flow]

Statistic	Value	Unit
Harmonic Mean Streamflow	0.00276	ft ³ /s

General Flow Statistics Citations

Stuckey, M.H., 2006, Low-flow, base-flow, and mean-flow regression equations for Pennsylvania streams: U.S. Geological Survey Scientific Investigations Report 2006-5130, 84 p. (<http://pubs.usgs.gov/sir/2006/5130/>)

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Application Version: 4.23.0

StreamStats Services Version: 1.2.22

NSS Services Version: 2.2.1

S45 - StreamStats Report

Region ID: PA
Workspace ID: PA20240906163508941000
Clicked Point (Latitude, Longitude): 41.90686, -77.40930
Time: 2024-09-06 12:35:31 -0400



S45 drainage area is approximately 0.098 sq miles (62.72 acres)

[+ Collapse All](#)

Basin Characteristics

Parameter Code	Parameter Description	Value	Unit
CARBON	Percentage of area of carbonate rock	0	percent
DRNAREA	Area that drains to a point on a stream	0.098	square miles
FOREST	Percentage of area covered by forest	34.082	percent
PRECIP	Mean Annual Precipitation	33	inches
URBAN	Percentage of basin with urban development	0	percent

General Flow Statistics

General Flow Statistics Parameters [Statewide Mean and Base Flow]

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
DRNAREA	Drainage Area	0.098	square miles	2.26	1720
PRECIP	Mean Annual Precipitation	33	inches	33.1	50.4
CARBON	Percent Carbonate	0	percent	0	99

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
FOREST	Percent Forest	34.082	percent	5.1	100
URBAN	Percent Urban	0	percent	0	89

General Flow Statistics Disclaimers [Statewide Mean and Base Flow]

One or more of the parameters is outside the suggested range. Estimates were extrapolated with unknown errors.

General Flow Statistics Flow Report [Statewide Mean and Base Flow]

Statistic	Value	Unit
Harmonic Mean Streamflow	0.00684	ft ³ /s

General Flow Statistics Citations

Stuckey, M.H., 2006, Low-flow, base-flow, and mean-flow regression equations for Pennsylvania streams: U.S. Geological Survey Scientific Investigations Report 2006-5130, 84 p. (<http://pubs.usgs.gov/sir/2006/5130/>)

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Application Version: 4.23.0

StreamStats Services Version: 1.2.22

NSS Services Version: 2.2.1

S46 - StreamStats Report

Region ID: PA
Workspace ID: PA20240912190327806000
Clicked Point (Latitude, Longitude): 41.90616, -77.40937
Time: 2024-09-12 15:04:13 -0400



S46 drainage area is approximately 0.0722 sq miles (46.2 acres). S46 is not mapped on Stream Stats. Drainage area was estimated by subtracting from a larger basin.

[+ Collapse All](#)

Basin Characteristics

Parameter Code	Parameter Description	Value	Unit
CARBON	Percentage of area of carbonate rock	0	percent
DRNAREA	Area that drains to a point on a stream	0.0722	square miles
FOREST	Percentage of area covered by forest	10.8789	percent
PRECIP	Mean Annual Precipitation	33	inches
URBAN	Percentage of basin with urban development	0	percent

General Disclaimers

This watershed has been edited, computed flows and basin characteristics may not apply. For more information, submit a support request from the 'Help' button in the upper-right of the screen, attach a pdf of this report and request assistance from your local

➤ General Flow Statistics

General Flow Statistics Parameters [Statewide Mean and Base Flow]

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
DRNAREA	Drainage Area	0.0722	square miles	2.26	1720
PRECIP	Mean Annual Precipitation	33	inches	33.1	50.4
CARBON	Percent Carbonate	0	percent	0	99
FOREST	Percent Forest	10.8789	percent	5.1	100
URBAN	Percent Urban	0	percent	0	89

General Flow Statistics Disclaimers [Statewide Mean and Base Flow]

One or more of the parameters is outside the suggested range. Estimates were extrapolated with unknown errors.

General Flow Statistics Flow Report [Statewide Mean and Base Flow]

Statistic	Value	Unit
Harmonic Mean Streamflow	0.00418	ft ³ /s

General Flow Statistics Citations

Stuckey, M.H., 2006, Low-flow, base-flow, and mean-flow regression equations for Pennsylvania streams: U.S. Geological Survey Scientific Investigations Report 2006-5130, 84 p. (<http://pubs.usgs.gov/sir/2006/5130/>)

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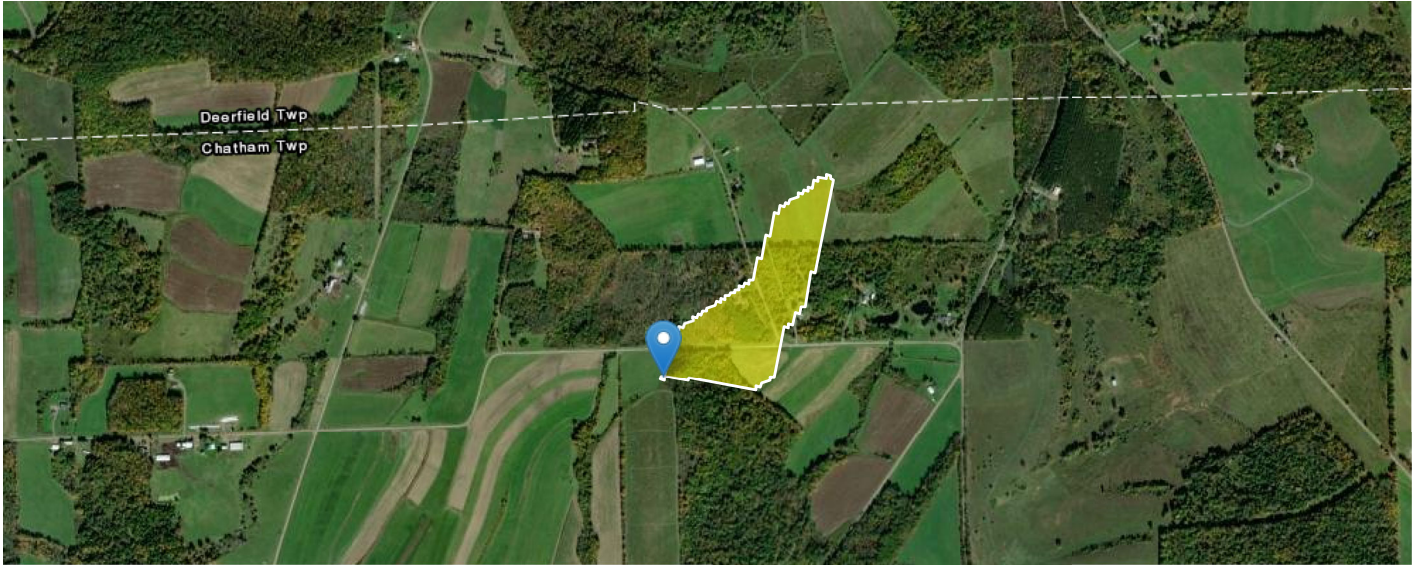
Application Version: 4.23.0

StreamStats Services Version: 1.2.22

NSS Services Version: 2.2.1

S49 - StreamStats Report

Region ID: PA
 Workspace ID: PA20240905204607023000
 Clicked Point (Latitude, Longitude): 41.90350, -77.40019
 Time: 2024-09-05 16:46:30 -0400



S49 drainage area is approximately 0.0373 sq miles (23.87 acres)

[+ Collapse All](#)

Basin Characteristics

Parameter Code	Parameter Description	Value	Unit
CARBON	Percentage of area of carbonate rock	0	percent
DRNAREA	Area that drains to a point on a stream	0.0373	square miles
FOREST	Percentage of area covered by forest	16.8563	percent
PRECIP	Mean Annual Precipitation	33	inches
URBAN	Percentage of basin with urban development	0	percent

General Flow Statistics

General Flow Statistics Parameters [Statewide Mean and Base Flow]

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
DRNAREA	Drainage Area	0.0373	square miles	2.26	1720
PRECIP	Mean Annual Precipitation	33	inches	33.1	50.4
CARBON	Percent Carbonate	0	percent	0	99
FOREST	Percent Forest	16.8563	percent	5.1	100
URBAN	Percent Urban	0	percent	0	89

General Flow Statistics Disclaimers [Statewide Mean and Base Flow]

One or more of the parameters is outside the suggested range. Estimates were extrapolated with unknown errors.

General Flow Statistics Flow Report [Statewide Mean and Base Flow]

Statistic	Value	Unit
Harmonic Mean Streamflow	0.00216	ft ³ /s

General Flow Statistics Citations

Stuckey, M.H., 2006, Low-flow, base-flow, and mean-flow regression equations for Pennsylvania streams: U.S. Geological Survey Scientific Investigations Report 2006-5130, 84 p. (<http://pubs.usgs.gov/sir/2006/5130/>)

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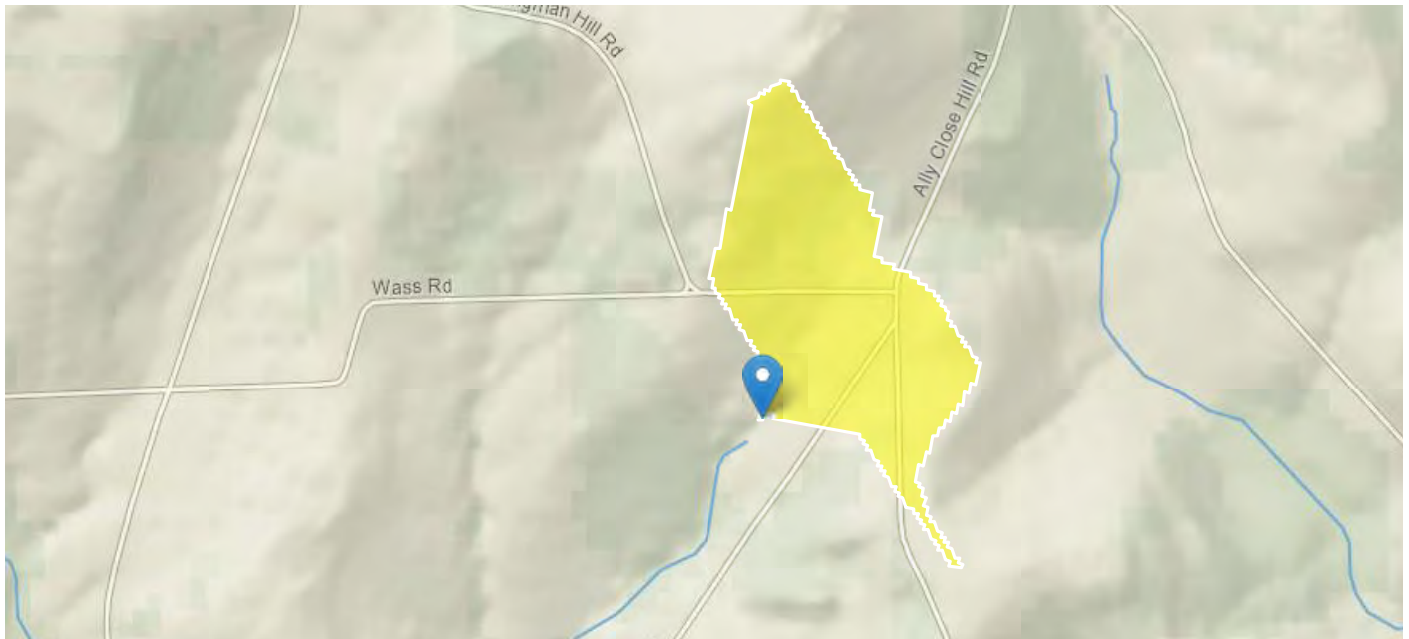
Application Version: 4.23.0

StreamStats Services Version: 1.2.22

NSS Services Version: 2.2.1

S50 - StreamStats Report

Region ID: PA
Workspace ID: PA20240906164306002000
Clicked Point (Latitude, Longitude): 41.90169, -77.39472
Time: 2024-09-06 12:43:28 -0400



S50 drainage area is approximately 0.11 sq miles (70.4 acres)

[+ Collapse All](#)

Basin Characteristics

Parameter Code	Parameter Description	Value	Unit
CARBON	Percentage of area of carbonate rock	0	percent
DRNAREA	Area that drains to a point on a stream	0.11	square miles
FOREST	Percentage of area covered by forest	27.257	percent
PRECIP	Mean Annual Precipitation	33	inches
URBAN	Percentage of basin with urban development	0.3113	percent

General Flow Statistics

General Flow Statistics Parameters [Statewide Mean and Base Flow]

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
DRNAREA	Drainage Area	0.11	square miles	2.26	1720
PRECIP	Mean Annual Precipitation	33	inches	33.1	50.4

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
CARBON	Percent Carbonate	0	percent	0	99
FOREST	Percent Forest	27.257	percent	5.1	100
URBAN	Percent Urban	0.3113	percent	0	89

General Flow Statistics Disclaimers [Statewide Mean and Base Flow]

One or more of the parameters is outside the suggested range. Estimates were extrapolated with unknown errors.

General Flow Statistics Flow Report [Statewide Mean and Base Flow]

Statistic	Value	Unit
Harmonic Mean Streamflow	0.00742	ft ³ /s

General Flow Statistics Citations

Stuckey, M.H.,2006, Low-flow, base-flow, and mean-flow regression equations for Pennsylvania streams: U.S. Geological Survey Scientific Investigations Report 2006-5130, 84 p. (<http://pubs.usgs.gov/sir/2006/5130/>)

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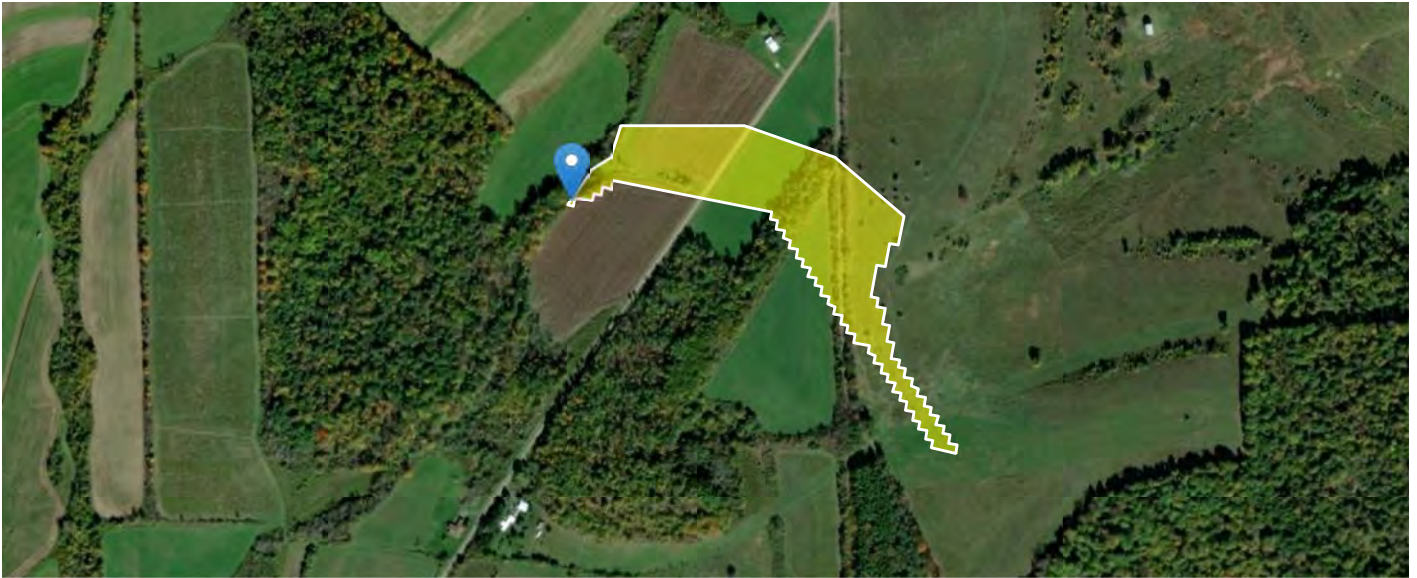
Application Version: 4.23.0

StreamStats Services Version: 1.2.22

NSS Services Version: 2.2.1

S51 - StreamStats Report

Region ID: PA
Workspace ID: PA20240906194528722000
Clicked Point (Latitude, Longitude): 41.90145, -77.39506
Time: 2024-09-06 15:45:48 -0400



S51 drainage area is approximately 0.0175 sq miles (11.2 acres) S51 is not mapped on Stream Stats. Drainage area was estimated by subtracting from larger basin.

[+ Collapse All](#)

Basin Characteristics

Parameter Code	Parameter Description	Value	Unit
CARBON	Percentage of area of carbonate rock	0	percent
DRNAREA	Area that drains to a point on a stream	0.0175	square miles
FOREST	Percentage of area covered by forest	15.859	percent
PRECIP	Mean Annual Precipitation	33	inches
URBAN	Percentage of basin with urban development	0	percent

General Disclaimers

This watershed has been edited, computed flows and basin characteristics may not apply. For more information, submit a support request from the 'Help' button in the upper-right of the screen, attach a pdf of this report and request assistance from your local StreamStats regional representative.

➤ General Flow Statistics

General Flow Statistics Parameters [Statewide Mean and Base Flow]

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
DRNAREA	Drainage Area	0.0175	square miles	2.26	1720
PRECIP	Mean Annual Precipitation	33	inches	33.1	50.4
CARBON	Percent Carbonate	0	percent	0	99
FOREST	Percent Forest	15.859	percent	5.1	100
URBAN	Percent Urban	0	percent	0	89

General Flow Statistics Disclaimers [Statewide Mean and Base Flow]

One or more of the parameters is outside the suggested range. Estimates were extrapolated with unknown errors.

General Flow Statistics Flow Report [Statewide Mean and Base Flow]

Statistic	Value	Unit
Harmonic Mean Streamflow	0.000955	ft ³ /s

General Flow Statistics Citations

Stuckey, M.H.,2006, Low-flow, base-flow, and mean-flow regression equations for Pennsylvania streams: U.S. Geological Survey Scientific Investigations Report 2006-5130, 84 p. (<http://pubs.usgs.gov/sir/2006/5130/>)

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Application Version: 4.23.0

StreamStats Services Version: 1.2.22

NSS Services Version: 2.2.1

S54 - StreamStats Report

Region ID: PA
Workspace ID: PA20240905205111204000
Clicked Point (Latitude, Longitude): 41.90417, -77.36464
Time: 2024-09-05 16:51:33 -0400



S54 drainage area is approximately 0.0566 sq miles (36.22 acres)

[+ Collapse All](#)

Basin Characteristics

Parameter Code	Parameter Description	Value	Unit
CARBON	Percentage of area of carbonate rock	0	percent
DRNAREA	Area that drains to a point on a stream	0.0566	square miles
FOREST	Percentage of area covered by forest	13.3697	percent
PRECIP	Mean Annual Precipitation	33	inches
URBAN	Percentage of basin with urban development	0	percent

➤ General Flow Statistics

General Flow Statistics Parameters [Statewide Mean and Base Flow]

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
DRNAREA	Drainage Area	0.0566	square miles	2.26	1720
PRECIP	Mean Annual Precipitation	33	inches	33.1	50.4
CARBON	Percent Carbonate	0	percent	0	99
FOREST	Percent Forest	13.3697	percent	5.1	100
URBAN	Percent Urban	0	percent	0	89

General Flow Statistics Disclaimers [Statewide Mean and Base Flow]

One or more of the parameters is outside the suggested range. Estimates were extrapolated with unknown errors.

General Flow Statistics Flow Report [Statewide Mean and Base Flow]

Statistic	Value	Unit
Harmonic Mean Streamflow	0.00329	ft ³ /s

General Flow Statistics Citations

Stuckey, M.H., 2006, Low-flow, base-flow, and mean-flow regression equations for Pennsylvania streams: U.S. Geological Survey Scientific Investigations Report 2006-5130, 84 p. (<http://pubs.usgs.gov/sir/2006/5130/>)

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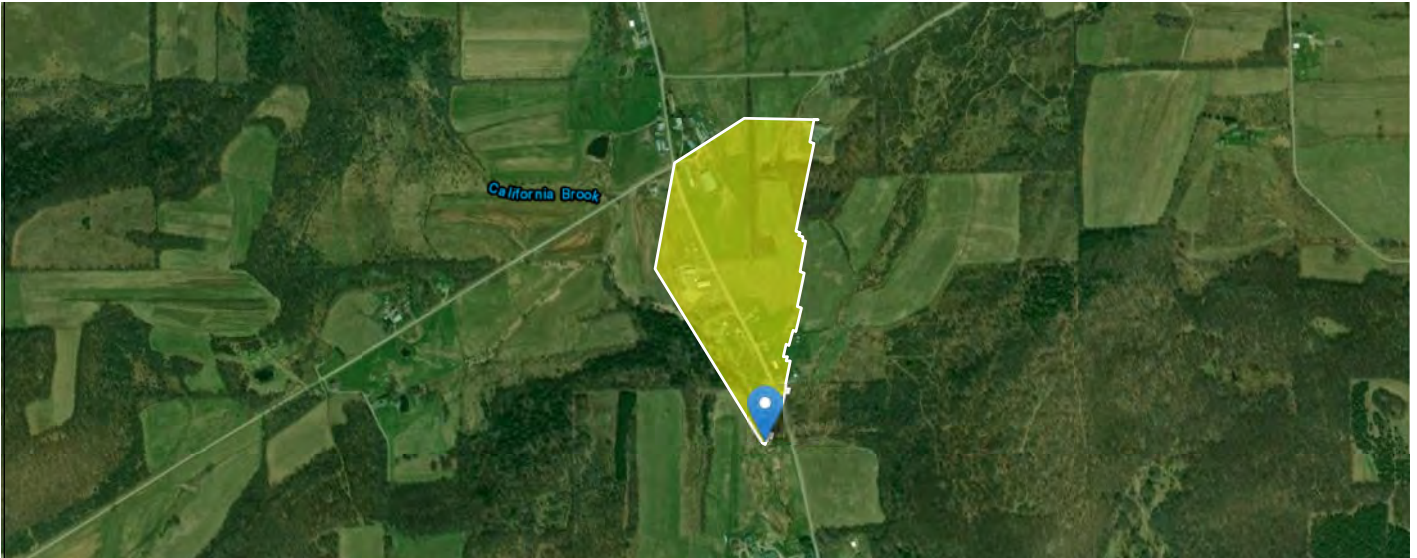
Application Version: 4.23.0

StreamStats Services Version: 1.2.22

NSS Services Version: 2.2.1

S56a - StreamStats Report

Region ID: PA
Workspace ID: PA20240905210822613000
Clicked Point (Latitude, Longitude): 41.96796, -77.56201
Time: 2024-09-05 17:08:42 -0400



S56a drainage area is approximately 0.0829 sq miles (53.06 acres) S56a was not mapped on Stream Stats. Drainage area was estimated by subtracting from larger drainage area.

[+ Collapse All](#)

Basin Characteristics

Parameter Code	Parameter Description	Value	Unit
CARBON	Percentage of area of carbonate rock	0	percent
DRNAREA	Area that drains to a point on a stream	0.0829	square miles
FOREST	Percentage of area covered by forest	25.07	percent
PRECIP	Mean Annual Precipitation	34	inches
URBAN	Percentage of basin with urban development	0	percent

General Disclaimers

This watershed has been edited, computed flows and basin characteristics may not apply. For more information, submit a support request from the 'Help' button in the upper-right of the screen, attach a pdf of this report and request assistance from your local StreamStats regional representative.

General Flow Statistics

General Flow Statistics Parameters [Statewide Mean and Base Flow]

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
DRNAREA	Drainage Area	0.0829	square miles	2.26	1720

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
PRECIP	Mean Annual Precipitation	34	inches	33.1	50.4
CARBON	Percent Carbonate	0	percent	0	99
FOREST	Percent Forest	25.07	percent	5.1	100
URBAN	Percent Urban	0	percent	0	89

General Flow Statistics Disclaimers [Statewide Mean and Base Flow]

One or more of the parameters is outside the suggested range. Estimates were extrapolated with unknown errors.

General Flow Statistics Flow Report [Statewide Mean and Base Flow]

Statistic	Value	Unit
Harmonic Mean Streamflow	0.00606	ft ³ /s

General Flow Statistics Citations

Stuckey, M.H., 2006, Low-flow, base-flow, and mean-flow regression equations for Pennsylvania streams: U.S. Geological Survey Scientific Investigations Report 2006-5130, 84 p. (<http://pubs.usgs.gov/sir/2006/5130/>)

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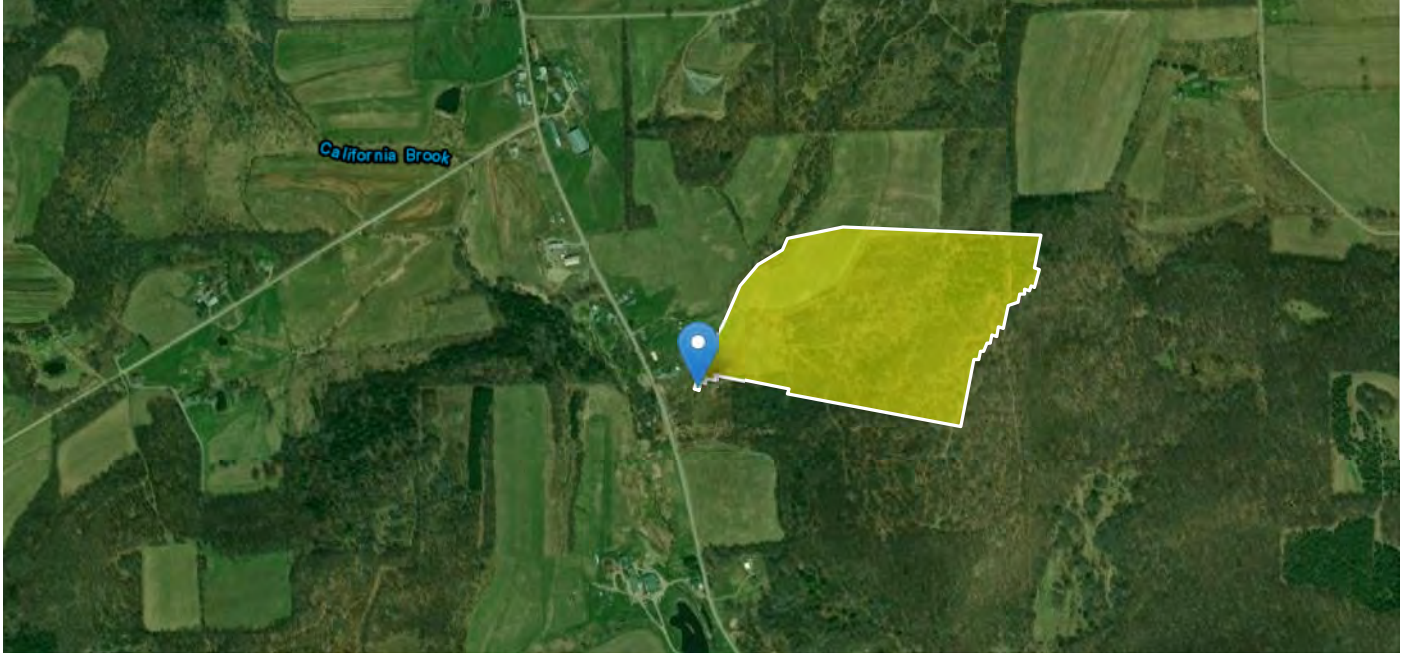
Application Version: 4.23.0

StreamStats Services Version: 1.2.22

NSS Services Version: 2.2.1

S58 - StreamStats Report

Region ID: PA
Workspace ID: PA20240906154651964000
Clicked Point (Latitude, Longitude): 41.96912, -77.56060
Time: 2024-09-06 11:47:11 -0400



S58 drainage area is approximately 0.0842 sq miles (53.89 acres) S58 is not mapped on Stream Stats. Drainage area was estimated by subtracting from larger basin.

[+ Collapse All](#)

Basin Characteristics

Parameter Code	Parameter Description	Value	Unit
CARBON	Percentage of area of carbonate rock	0	percent
DRNAREA	Area that drains to a point on a stream	0.0842	square miles
FOREST	Percentage of area covered by forest	69.9403	percent
PRECIP	Mean Annual Precipitation	33	inches
URBAN	Percentage of basin with urban development	0	percent

General Disclaimers

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➤ General Flow Statistics

General Flow Statistics Parameters [Statewide Mean and Base Flow]

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
DRNAREA	Drainage Area	0.0842	square miles	2.26	1720
PRECIP	Mean Annual Precipitation	33	inches	33.1	50.4
CARBON	Percent Carbonate	0	percent	0	99
FOREST	Percent Forest	69.9403	percent	5.1	100
URBAN	Percent Urban	0	percent	0	89

General Flow Statistics Disclaimers [Statewide Mean and Base Flow]

One or more of the parameters is outside the suggested range. Estimates were extrapolated with unknown errors.

General Flow Statistics Flow Report [Statewide Mean and Base Flow]

Statistic	Value	Unit
Harmonic Mean Streamflow	0.00715	ft ³ /s

General Flow Statistics Citations

Stuckey, M.H., 2006, Low-flow, base-flow, and mean-flow regression equations for Pennsylvania streams: U.S. Geological Survey Scientific Investigations Report 2006-5130, 84 p. (<http://pubs.usgs.gov/sir/2006/5130/>)

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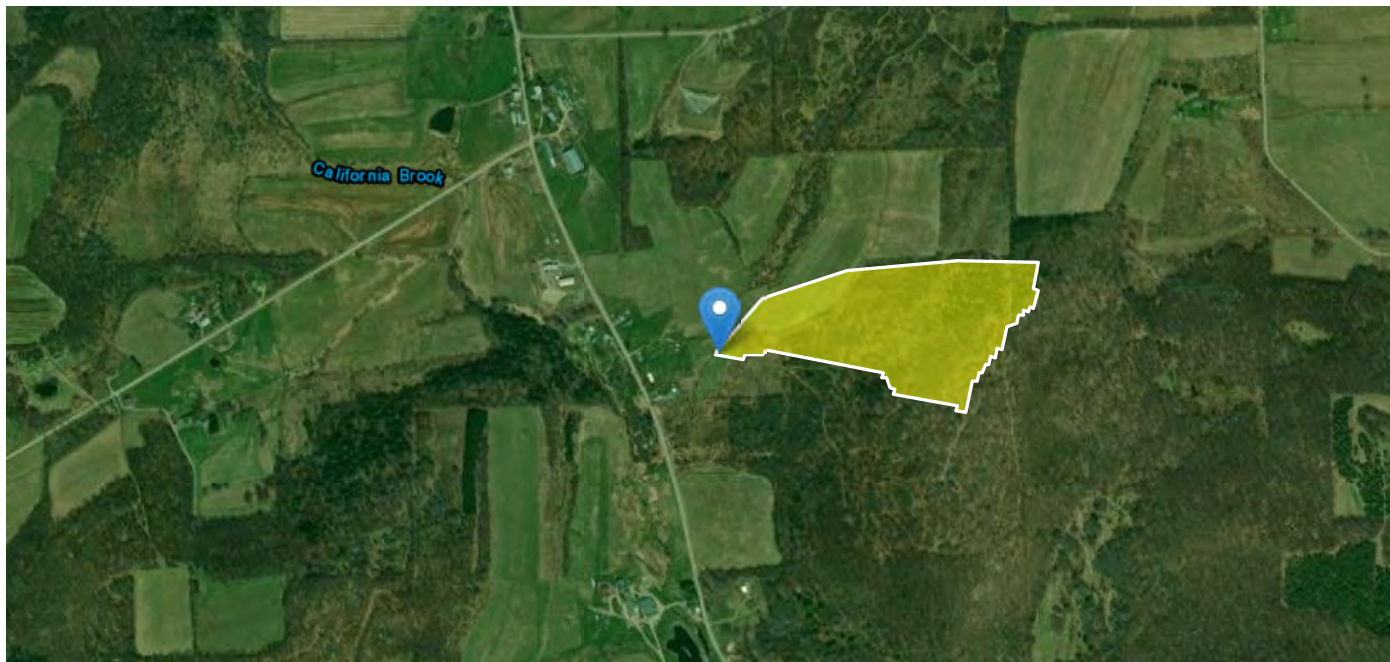
Application Version: 4.23.0

StreamStats Services Version: 1.2.22

NSS Services Version: 2.2.1

S59 - StreamStats Report

Region ID: PA
Workspace ID: PA20240905212725120000
Clicked Point (Latitude, Longitude): 41.97012, -77.55993
Time: 2024-09-05 17:27:44 -0400



S59 drainage area is approximately 0.0511 sq miles (32.7 acres) S59 is not mapped on Stream Stats. Drainage area was estimated by subtracting from a larger basin.

[+ Collapse All](#)

> Basin Characteristics

Parameter Code	Parameter Description	Value	Unit
CARBON	Percentage of area of carbonate rock	0	percent
DRNAREA	Area that drains to a point on a stream	0.0511	square miles
FOREST	Percentage of area covered by forest	76.1725	percent
PRECIP	Mean Annual Precipitation	33	inches
URBAN	Percentage of basin with urban development	0	percent

General Disclaimers

This watershed has been edited, computed flows and basin characteristics may not apply. For more information, submit a support request from the 'Help' button in the upper-right of the screen, attach a pdf of this report and request assistance from your local

➤ General Flow Statistics

General Flow Statistics Parameters [Statewide Mean and Base Flow]

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
DRNAREA	Drainage Area	0.0511	square miles	2.26	1720
PRECIP	Mean Annual Precipitation	33	inches	33.1	50.4
CARBON	Percent Carbonate	0	percent	0	99
FOREST	Percent Forest	76.1725	percent	5.1	100
URBAN	Percent Urban	0	percent	0	89

General Flow Statistics Disclaimers [Statewide Mean and Base Flow]

One or more of the parameters is outside the suggested range. Estimates were extrapolated with unknown errors.

General Flow Statistics Flow Report [Statewide Mean and Base Flow]

Statistic	Value	Unit
Harmonic Mean Streamflow	0.00433	ft ³ /s

General Flow Statistics Citations

Stuckey, M.H., 2006, Low-flow, base-flow, and mean-flow regression equations for Pennsylvania streams: U.S. Geological Survey Scientific Investigations Report 2006-5130, 84 p. (<http://pubs.usgs.gov/sir/2006/5130/>)

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Application Version: 4.23.0

StreamStats Services Version: 1.2.22

NSS Services Version: 2.2.1

S65 - StreamStats Report

Region ID: PA
Workspace ID: PA20240906151010311000
Clicked Point (Latitude, Longitude): 41.92541, -77.51569
Time: 2024-09-06 11:10:35 -0400



S65 drainage area is approximately 0.0459 sq miles (29.38 acres) S65 is not mapped on Stream Stats. Drainage area was estimated by subtracting from larger basin.

[+ Collapse All](#)

Basin Characteristics

Parameter Code	Parameter Description	Value	Unit
CARBON	Percentage of area of carbonate rock	0	percent
DRNAREA	Area that drains to a point on a stream	0.0459	square miles
FOREST	Percentage of area covered by forest	12.5845	percent
PRECIP	Mean Annual Precipitation	33	inches
URBAN	Percentage of basin with urban development	0	percent

General Disclaimers

This watershed has been edited, computed flows and basin characteristics may not apply. For more information, submit a support request from the 'Help' button in the upper-right of the screen, attach a pdf of this report and request assistance from your local StreamStats regional representative.

➤ General Flow Statistics

General Flow Statistics Parameters [Statewide Mean and Base Flow]

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
DRNAREA	Drainage Area	0.0459	square miles	2.26	1720
PRECIP	Mean Annual Precipitation	33	inches	33.1	50.4
CARBON	Percent Carbonate	0	percent	0	99
FOREST	Percent Forest	12.5845	percent	5.1	100
URBAN	Percent Urban	0	percent	0	89

General Flow Statistics Disclaimers [Statewide Mean and Base Flow]

One or more of the parameters is outside the suggested range. Estimates were extrapolated with unknown errors.

General Flow Statistics Flow Report [Statewide Mean and Base Flow]

Statistic	Value	Unit
Harmonic Mean Streamflow	0.00261	ft ³ /s

General Flow Statistics Citations

Stuckey, M.H., 2006, Low-flow, base-flow, and mean-flow regression equations for Pennsylvania streams: U.S. Geological Survey Scientific Investigations Report 2006-5130, 84 p. (<http://pubs.usgs.gov/sir/2006/5130/>)

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Application Version: 4.23.0
StreamStats Services Version: 1.2.22
NSS Services Version: 2.2.1