

Application Type Renewal  
Wastewater Type Sewage  
Facility Type SRSTP

## NPDES PERMIT FACT SHEET INDIVIDUAL SFTF/SRSTP

Application No. PA0272345  
APS ID 1144205  
Authorization ID 1538551

### Applicant, Facility and Project Information

Applicant Name	<u>Brenda Fitch</u>	Facility Name	<u>Brenda Fitch SRSTP 2</u>
Applicant Address	<u>510 Columbia Hill Road</u> <u>Smethport, PA 16749-6020</u>	Facility Address	<u>620 Columbia Hill Road</u> <u>Smethport, PA 16749</u>
Applicant Contact	<u>Brenda Fitch</u>	Facility Contact	<u></u>
Applicant Phone	<u>(814) 465-3268</u>	Facility Phone	<u></u>
Client ID	<u>350591</u>	Site ID	<u>833958</u>
SIC Code	<u>8800</u>	Municipality	<u>Keating Township</u>
SIC Description	<u>Private Households</u>	County	<u>McKean</u>
Date Application Received	<u>August 21, 2025</u>	WQM Required	<u>Previously issued - 4219401</u>
Date Application Accepted	<u>August 27, 2025</u>	WQM App. No.	<u></u>
Project Description	<u>Renewal for a Single residence sewage treatment plant</u>		

### Summary of Review

The permittee is applying for reissuance of Individual Permit **PA0272345** which expired on October 31, 2024. This is a discharge into stream channel - Trib 57674 To North Branch Cole Creek. The average daily flow is projected to be 400 GPD.

The existing facility consists of (WQM Permit No. 4219401): A 1,000-gallon dual compartment septic tank with a Zabel effluent filter, a Premier Tech EC7-500-C-P Coco filter, and a Norweco LF 1000 tablet chlorinator system with a contact tank.

Act 14 notifications were submitted and received.

AMRs have not been received.

There are no open violations in WMS for the subject Client ID (350591) as of August 27, 2025.

#### Public Participation

DEP will publish notice of the receipt of the NPDES permit application and a tentative decision to issue the individual NPDES permit in the *Pennsylvania Bulletin* in accordance with 25 Pa. Code § 92a.82. Upon publication in the *Pennsylvania Bulletin*, DEP will accept written comments from interested persons for a 30-day period (which may be extended for one additional 15-day period at DEP's discretion), which will be considered in making a final decision on the application. Any person may request or petition for a public hearing with respect to the application. A public hearing may be held if DEP determines that there is significant public interest in holding a hearing. If a hearing is held, notice of the hearing will be published in the *Pennsylvania Bulletin* at least 30 days prior to the hearing and in at least one newspaper of general circulation within the geographical area of the discharge.

Approve	Deny	Signatures	Date
x		Adebayo Olude Adebayo Olude / Civil Engineer Trainee	August 27, 2025
X		Adam Olesnanik Adam Olesnanik, P.E. / Environmental Engineer Manager	August 29, 2025

Discharge and Stream Data – 2 - Receiving Waters and PWS

Discharge, Receiving Waters and Water Supply Information			
Outfall No.	001	Design Flow (MGD)	.0004
Latitude	41° 53' 32.50"	Longitude	-78° 29' 24.03"
Quad Name	Eldred	Quad Code	41078H4
Wastewater Description:		Sewage Effluent	
Receiving Waters	Unnamed Tributary to North Branch Cole Creek (CWF)	Stream Code	57674
NHD Com ID	112368483	RMI	0.8100
Drainage Area	2.17	Yield (cfs/mi²)	0.0502
Q <sub>7-10</sub> Flow (cfs)	0.109	Q <sub>7-10</sub> Basis	USGS StreamStats
Elevation (ft)	1636	Slope (ft/ft)	-
Watershed No.	16-C	Chapter 93 Class.	CWF
Existing Use		Existing Use Qualifier	
Exceptions to Use	-	Exceptions to Criteria	-
Assessment Status	Attaining Use(s)		
Cause(s) of Impairment			
Source(s) of Impairment			
TMDL Status		Name	
Background/Ambient Data		Data Source	
pH (SU)	7	Default	
Temperature (°F)	20	Default	
Hardness (mg/L)	100	Default	
Other:	-	-	
Nearest Downstream Public Water Supply Intake	-		
PWS Waters	-	Flow at Intake (cfs)	-
PWS RMI	-	Distance from Outfall (mi)	-

Changes Since Last Permit Issuance: Elevation was revised using Google Earth. Drainage Area and Q<sub>7-10</sub> Flow were revised using USGS StreamStats.

Other Comments: This SRSTP was designed where applicable in accordance with the SFTF Manual, but it does not qualify for the PAG-04 General Permit due to the use of a Premier Tech EC7-500-C-P Coco filter.

**Proposed Effluent Limitations and Monitoring Requirements**

The limitations and monitoring requirements specified below are proposed for the draft permit, and reflect the most stringent limitations amongst technology, water quality and BPJ. Instantaneous Maximum (IMAX) limits are determined using multipliers of 2 (conventional pollutants) or 2.5 (toxic pollutants). Sample frequencies and types are derived from the "NPDES Permit Writer's Manual" (362-0400-001), SOPs and/or BPJ.

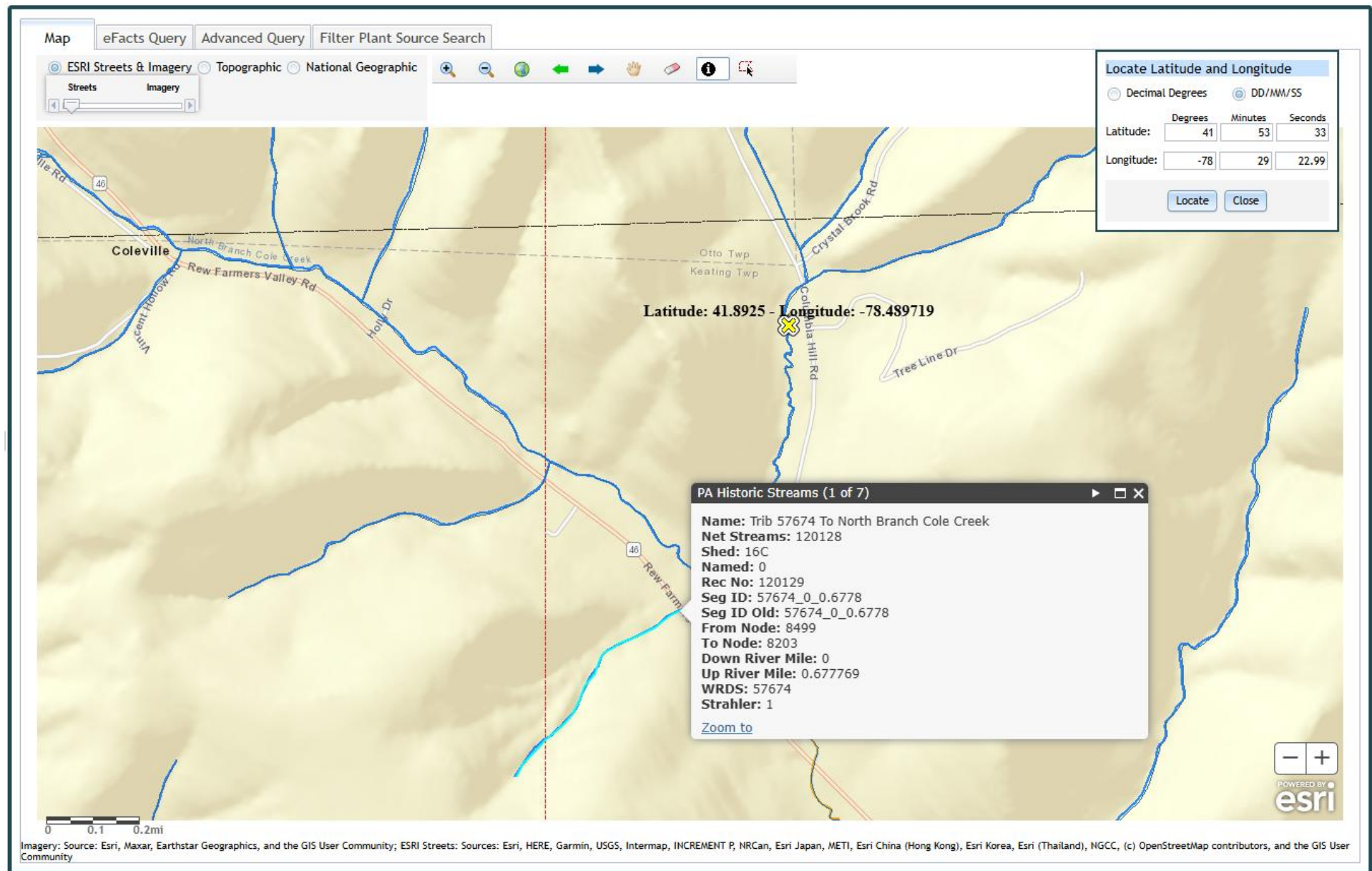
**Outfall 001, Effective Period: Permit Effective Date through Permit Expiration Date.**

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) <sup>(1)</sup>		Concentrations (mg/L)				Minimum <sup>(2)</sup> Measurement Frequency	Required Sample Type
	Average Monthly	Average Weekly	Minimum	Annual Average	Maximum	Instant. Maximum		
Flow (MGD)	Report Ann'l Avg	XXX	XXX	XXX	XXX	XXX	1/year	Estimate
pH (S.U.)	XXX	XXX	6.0 Inst Min	XXX	XXX	9.0	Upon Request	Grab
TRC	XXX	XXX	XXX	Report Avg Mo	XXX	Report	1/month	Grab
BOD5	XXX	XXX	XXX	10.0	XXX	20.0	1/year	Grab
TSS	XXX	XXX	XXX	10.0	XXX	20.0	1/year	Grab
Fecal Coliform (No./100 ml)	XXX	XXX	XXX	200	XXX	XXX	1/year	Grab

Compliance Sampling Location: Outfall 001, after disinfection.

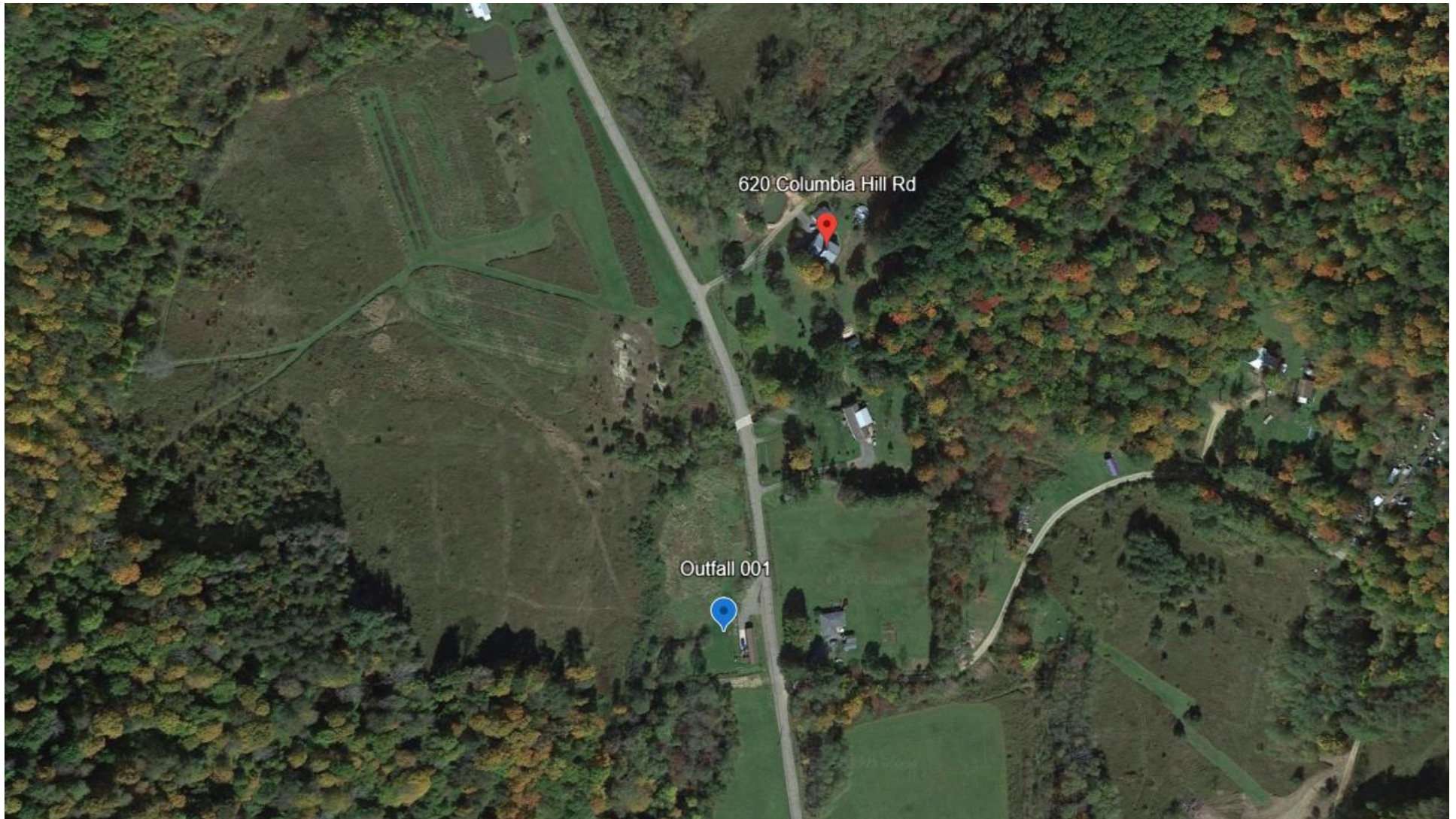
Other Comments: Flow and TRC are monitor only based on Chapter 92a.61. The limits for pH are technology-based on Chapter 93.7. The limits for BOD5, Total Suspended Solids, and Fecal Coliforms are technology-based on Chapter 92a.47

Attachment 1  
eMap – Location Map





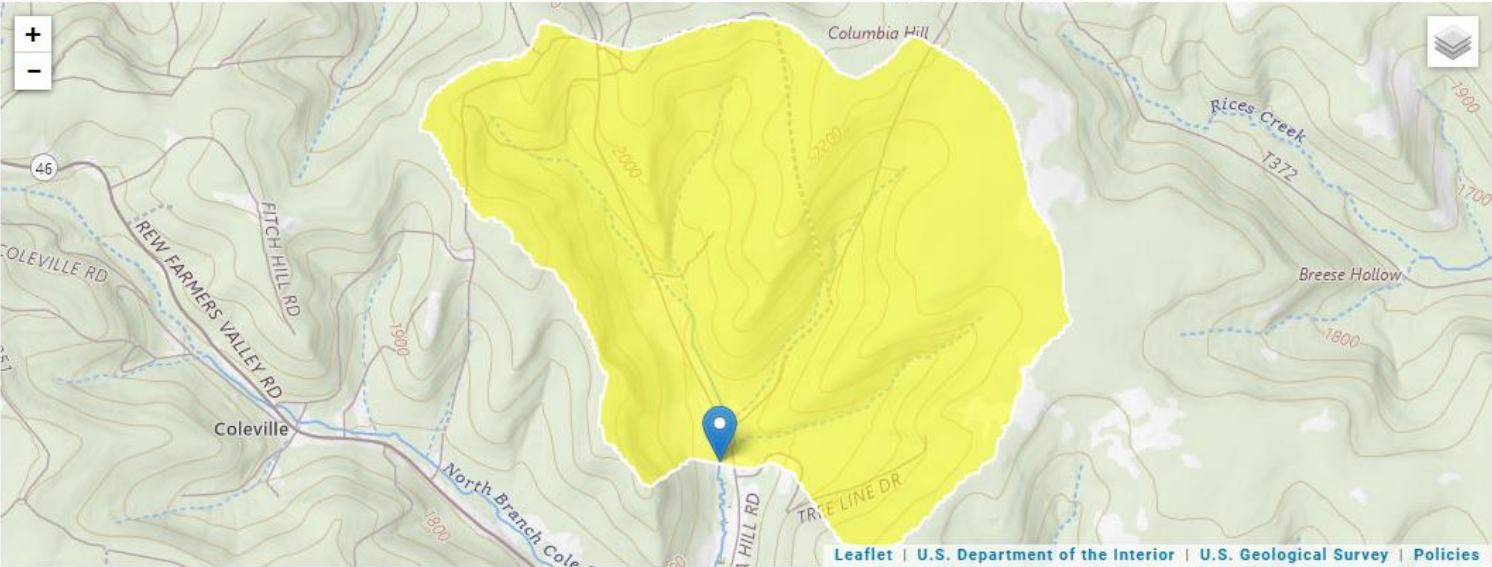
Attachment 2  
Google Earth Imagery



Attachment 3  
StreamStats Report

StreamStats Report

Region ID: PA  
Workspace ID: PA20250827191114486000  
Clicked Point (Latitude, Longitude): 41.89309, -78.48989  
Time: 2025-08-27 15:11:35 -0400



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> Basin Characteristics

Parameter Code	Parameter Description	Value	Unit
DRNAREA	Area that drains to a point on a stream	2.17	square miles
ELEV	Mean Basin Elevation	1982	feet
PRECIP	Mean Annual Precipitation	43	inches



➤ Low-Flow Statistics

Low-Flow Statistics Parameters [Low Flow Region 3]

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
DRNAREA	Drainage Area	2.17	square miles	2.33	1720
ELEV	Mean Basin Elevation	1982	feet	898	2700
PRECIP	Mean Annual Precipitation	43	inches	38.7	47.9

Low-Flow Statistics Disclaimers [Low Flow Region 3]

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

Low-Flow Statistics Flow Report [Low Flow Region 3]

Statistic	Value	Unit
7 Day 2 Year Low Flow	0.266	ft <sup>3</sup> /s
30 Day 2 Year Low Flow	0.383	ft <sup>3</sup> /s
7 Day 10 Year Low Flow	0.109	ft <sup>3</sup> /s
30 Day 10 Year Low Flow	0.151	ft <sup>3</sup> /s
90 Day 10 Year Low Flow	0.226	ft <sup>3</sup> /s

*Low-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.](#)