

BUCKS COUNTY STORMWATER MANAGEMENT PLAN WATERSHED PLAN ADVISORY COMMITTEE MEETING NO. 1

JUNE 12, 2024



In cooperation with:



Bucks County Planning Commission

Presented By:



NTM Engineering, Inc.

WELCOME FROM:



EVAN J. STONE, EXECUTIVE DIRECTOR
BUCKS COUNTY PLANNING COMMISSION
ESTONE@BUCKSCOUNTY.ORG

AGENDA

- Welcome & Introductions
- Act 167 Overview
- Role of the Watershed Planning Advisory Committee (WPAC)
- Scope of Work
- Open Discussion on Stormwater Problems in the County
- Schedule & Timeline

NEWELL TERESKA & MACKAY TEAM



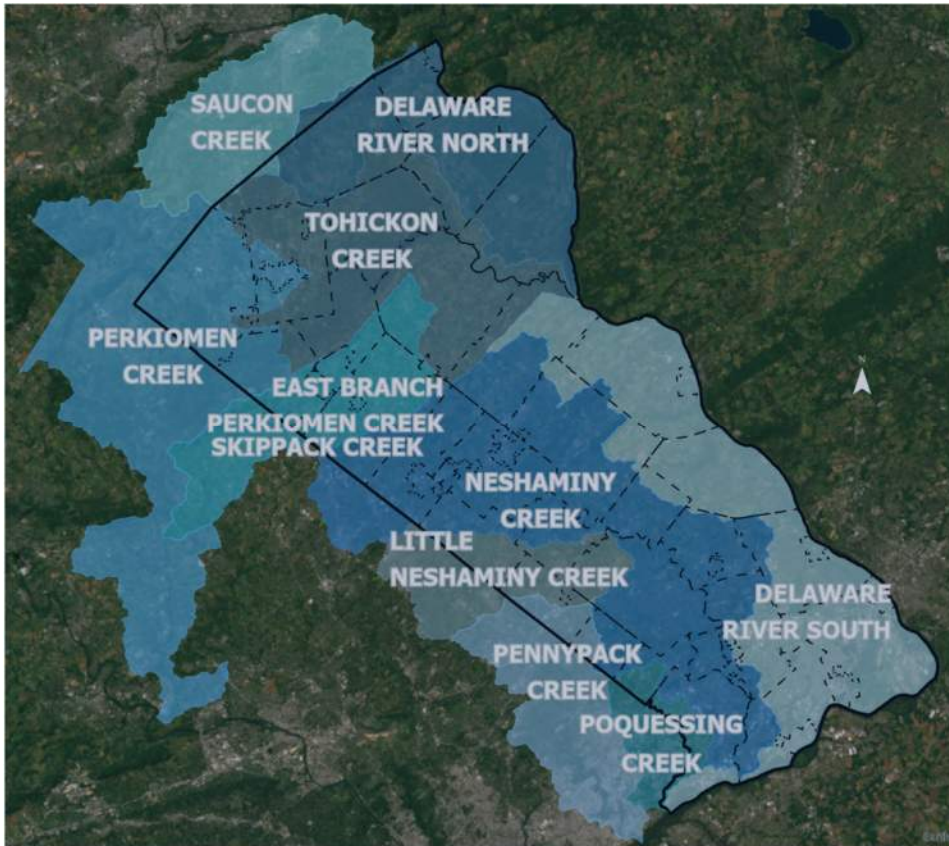
SCOTT BROWN, MS, PE, D. WRE
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SETH DELLINGER, GIS SPECIALIST



BETH UHLER
PENNSYLVANIA DIRECTOR



SHINY MATHEW, PE, ENV SP
ASSOCIATE VICE PRESIDENT

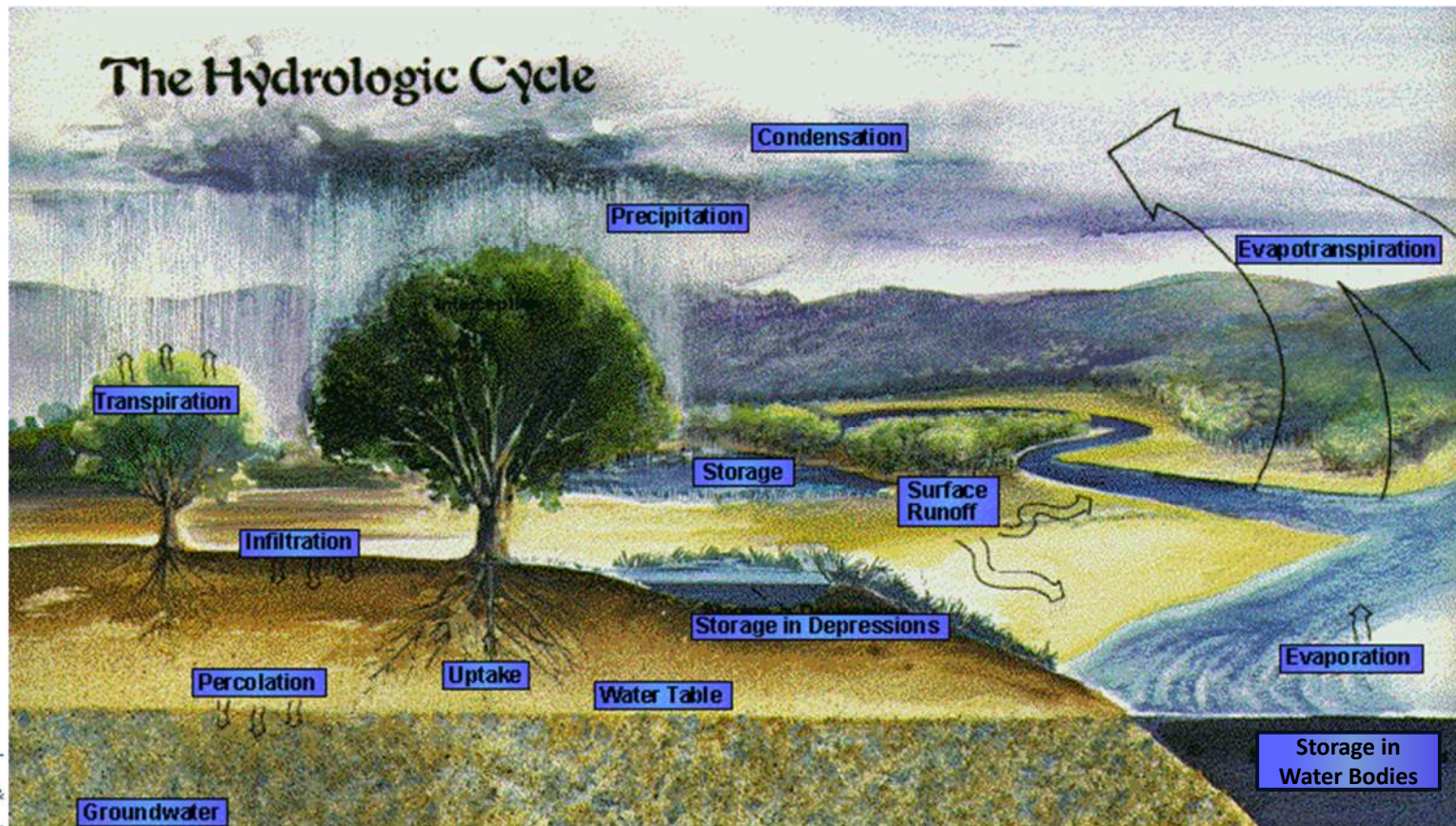


ACT 167 OVERVIEW

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- Act 167 Stormwater Management Plan - Statutory Authority
 - The Municipality is empowered to regulate land use activities that affect runoff by the authority of the Act of October 4, 1978, P.L. 864 (Act 167) the “Storm Water Management Act”.
- Purpose
 - Plan for management of stormwater on a watershed/County basis
 - Prevent flooding
 - Prevent stream degradation
 - Manage stormwater from new and re-development

MIMIC NATURAL HYDROLOGIC CYCLE



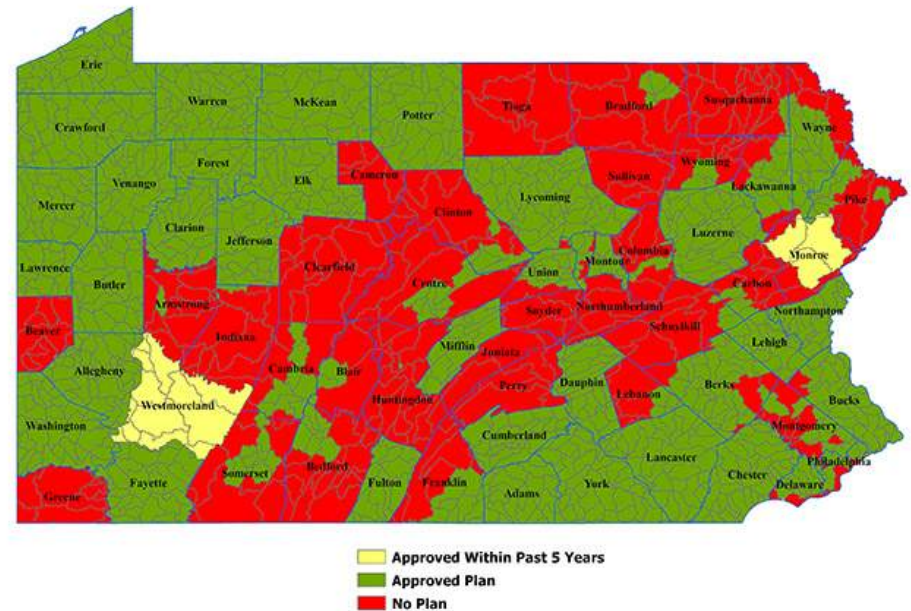
ACT 167 – GOALS OF THE PLAN

- Maintain natural hydrologic regime
- Identify and prevent flooding/stormwater (SW) problems
- Promote groundwater recharge
- Minimize stream bank erosion
- Water quality control
- Nonstructural SW mgmt.
- Maintenance provisions
- Education

ACT 167 PLAN APPROVAL CONDITIONS

- County Watershed storm water management plans **MUST** include water quality, groundwater recharge, stream bank protection strategies, in addition to SW quantity control
- Municipal participation during planning process to ensure local input and education in stormwater issues and management practices

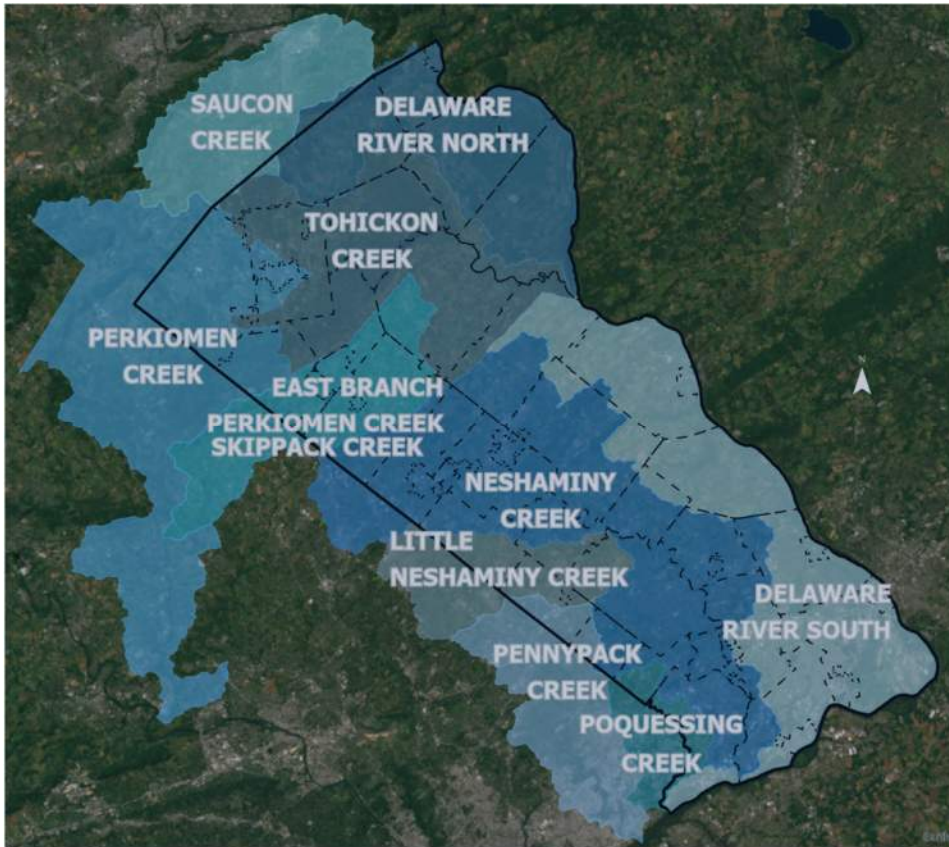
Act 167 Stormwater Management Plans Status
2/14/2024



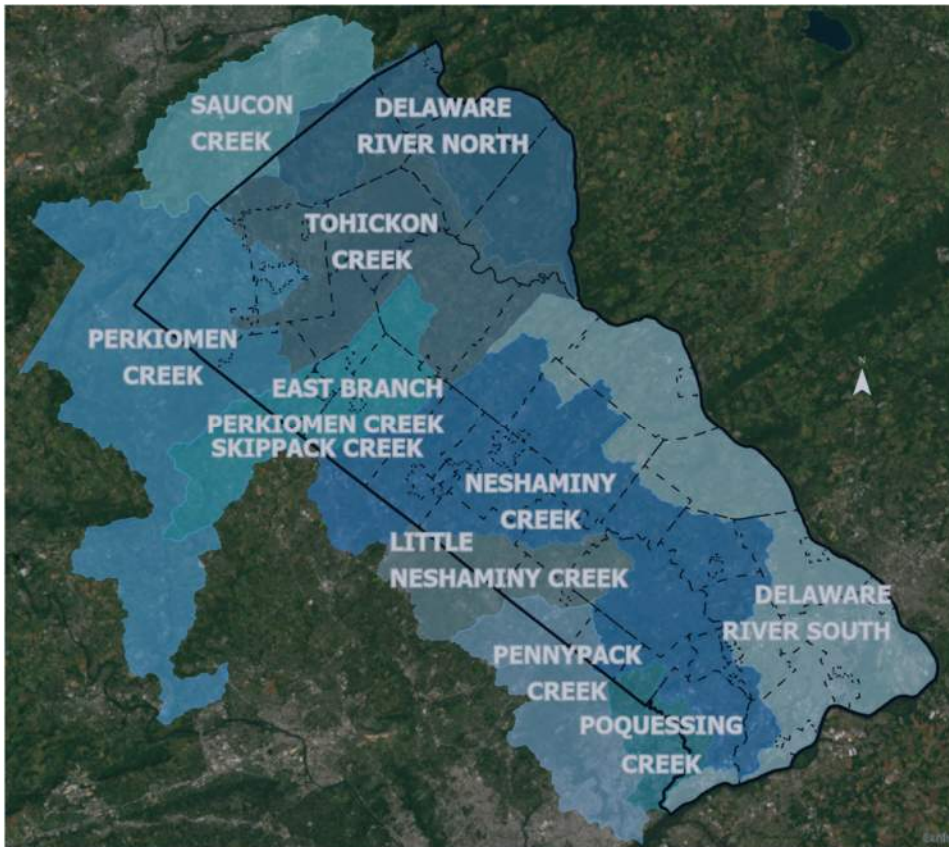
EXISTING ACT 167 STORMWATER MANAGEMENT PLANS

Existing Plans within Bucks County

- Delaware River and Tributaries
 - Delaware River North (2002)
 - Delaware River South (2004)
 - Neshaminy Creek (2010)
 - Pennypack Creek (2011)*
 - Poquessing Creek (2012)*
 - Saucon Creek (2010)
 - Tohickon Creek (2002)
- Schuylkill River Tributaries
 - East Brank Perkiomen (2004)
 - Perkiomen (2009)



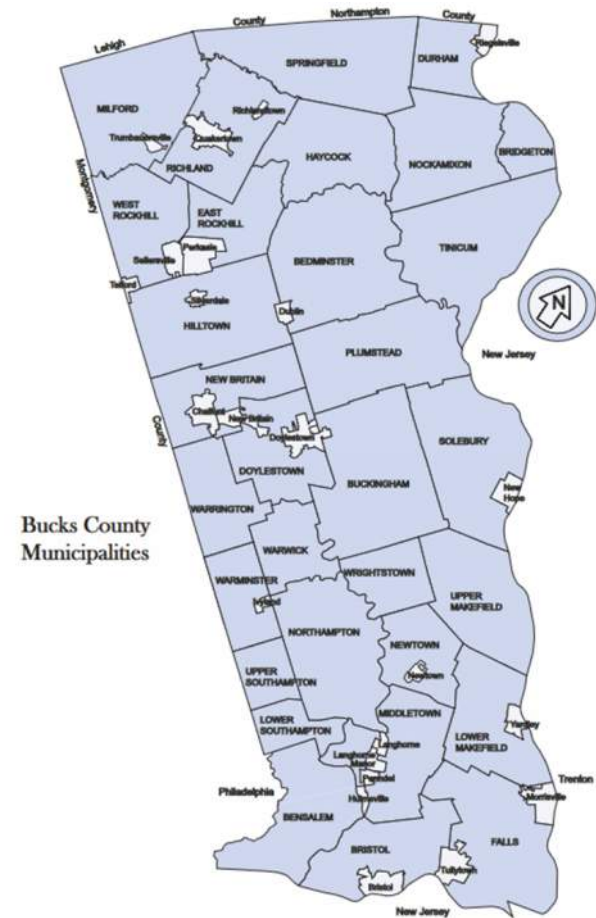
QUESTIONS?



ROLE OF THE WATERSHED PLAN ADVISORY COMMITTEE (WPAC)

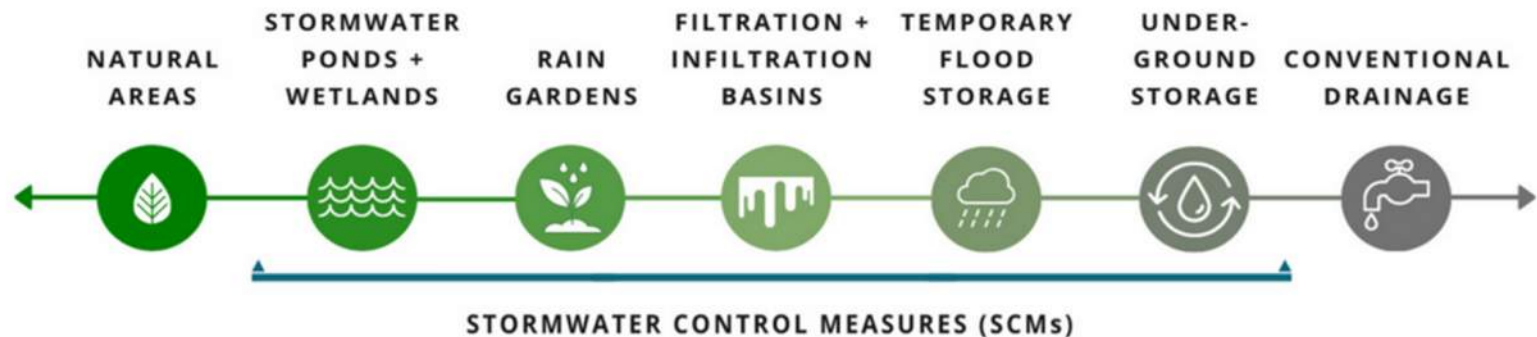
WPAC PARTICIPATING ORGANIZATIONS

- PA Dept. of Environmental Protection
- Bucks County Planning Commission
- Bucks County Conservation District
- Municipalities
- Watershed Organizations
- USACE, PennDOT, Fish and Boat Commission, etc.
- Additional Recommendations?



ROLE OF THE WPAC

- Information exchange between the project team and communities
- Define local Act 167 responsibilities
- Describe the goals and limitations of the Plan
- Increase local familiarity with Stormwater Control Measures and management practices
- Describe plan recommendations
- Encourage local input into the process
- Support the adoption and implementation of the Plan

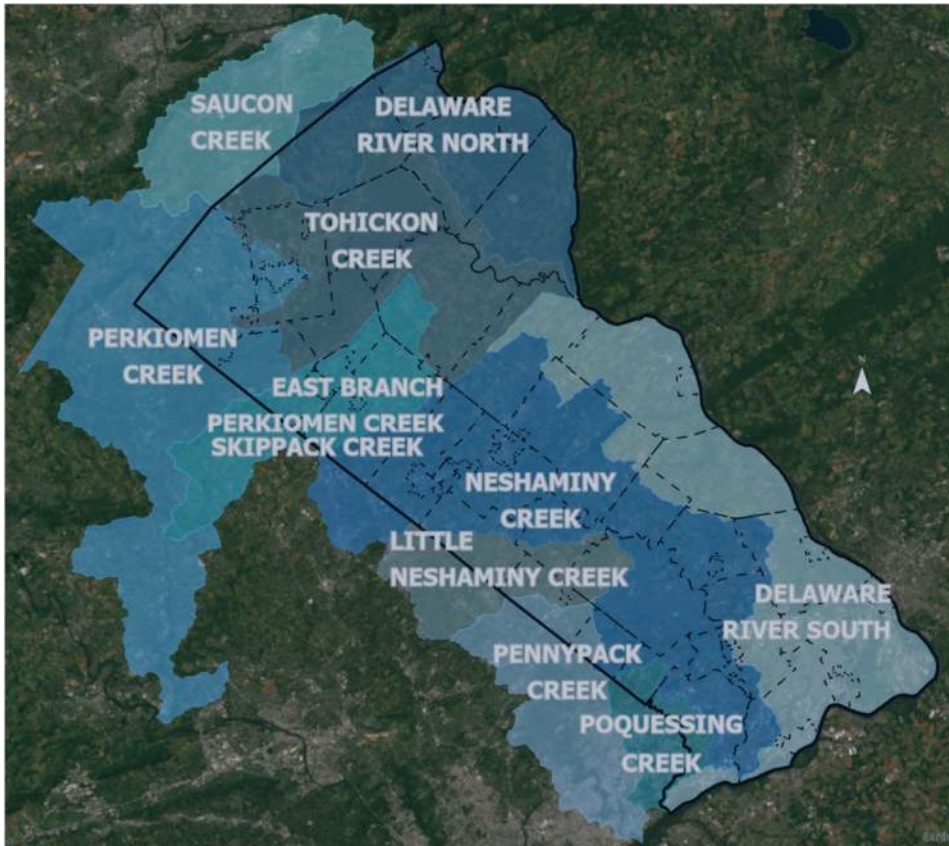


ROLE OF THE WPAC – CONT'D

- Identify and describe existing problems
- Discuss local experiences
- Describe status of stormwater management
- Identify local management problems and strengths
- Describe local expectations
- Voice local concerns
- Comment on plan recommendations

QUESTIONS?





SCOPE OF WORK

ACT 167 WATERSHED PLAN PHASES

- Phase 1: Initial Watershed Assessment
- Phase 2: Stormwater Management Study and Plan
- Implementation

ACT 167 PHASE 1 – INITIAL ASSESSMENT

- Set up WPAC
- Analyze unique characteristics of the watersheds within Bucks County
- Establish Scope of Work for Phase 2
- Establish Responsibilities
- Develop cost estimate to perform Phase 2
- Phase 1 Report

ACT 167 PHASE 2 – PLAN PREPARATION

- GIS Database Compilation (Existing Land Use, Soils, Future Land Use, Obstructions, Problem Areas)
- Evaluate Problem Areas identified in Phase 1
- Water Quantity Modeling (Flooding) (if required)
 - Those watersheds that have already been modeled may not need additional modeling
- Coordinate with MS4 Requirements
- Develop Standards & Criteria
- Develop Model Ordinance
- WPAC Participation

ACT 167 IMPLEMENTATION

1. Plan Review by WPAC, County, and DEP
2. County Adoption
3. State (DEP) Approval
4. Municipal Adoption of Ordinance (within 6 months)

Bucks County - Stormwater Problem Areas

This survey is intended to document existing and future stormwater related issues within Bucks County. This form is to identify any problem areas (areas that flood frequently such as stream banks, roads, any landslides or turbidity problems), for that part of your municipality. A new survey will need to be submitted for each problem area.

Name*

Phone Number

Email*

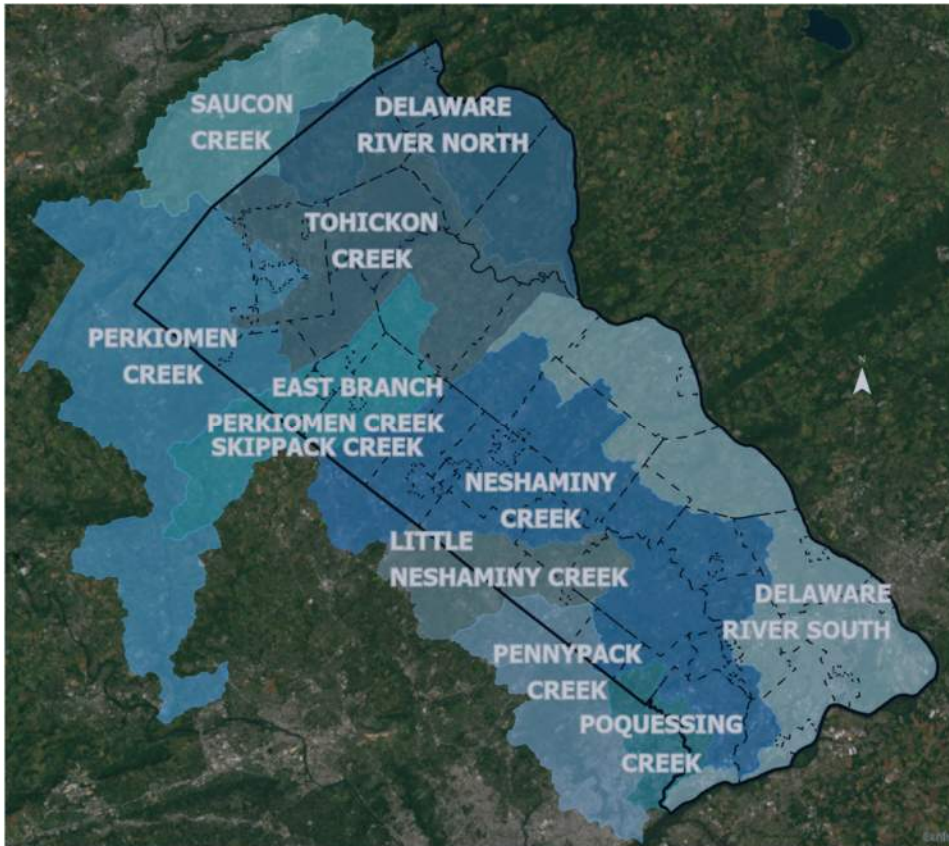
Today's Date*

Watershed Name

[HTTPS://ARCG.IS/1QJZDJ](https://arCG.is/1QJZDJ)

OPEN DISCUSSION: STORMWATER PROBLEMS IN THE COUNTY





SCHEDULE & TIMELINE

SCHEDULE

- Contract Start Date: 5/1/24
- 1st WPAC Meeting: 6/12/24
- Surveys Completed: 6/21/24
- Field Investigations during July
- Draft Phase 1 Report: 7/30/24
- 2nd WPAC Meeting: 7/30/24
- Phase 1 Complete: 8/16/24





THANK YOU!

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