



LANCASTER COUNTY
PLANNING



Lancaster
CLEAN WATER PARTNERS



LANCASTER COUNTY
CONSERVATION DISTRICT

ACT 167 PHASE I WPAC MEETING 2

JANUARY 29, 2025

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Engineering | Planning | Infrastructure Solutions

WHAT'S YOUR WATERSHED?

LANCASTER COUNTY WATERSHEDS



SCAN HERE TO LOCATE
YOUR WATERSHED

Get started on your journey
to clean water!

Find where you live on the map.
What watershed do you call home?



- | | |
|---------------------|--------------------------|
| 1 Chiques Creek | 7 Conestoga River |
| 2 Susquehanna River | 8 Little Conestoga Creek |
| 3 Pequea Creek | 9 Cocalico Creek |
| 4 Octoraro Creek | 10 Conoy Creek |
| 5 Conowingo Creek | 11 Conewago Creek |
| 6 Mill Creek | 12 Lititz Run |

TODAY'S DISCUSSION

WHAT IS PHASE I ACT 167 PLAN?

HOW CAN A REVISED ACT 167 HELP
MUNICIPALITIES

PRELIMINARY SURVEY RESULTS

HOW CAN THE WPAC MEMBERS
HELP?

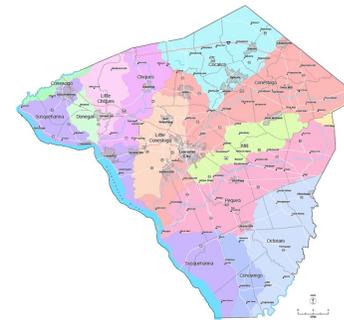
DISCUSSION AND QUESTIONS?



WHAT ALL IS AN ACT 167 PHASE 1 STUDY?

Act 167 Stormwater Management Plan:

- Based on the Stormwater Management Act of 1978
- Allows for standardized regulation and coordination across watersheds
- Broken into a Phase I study and a Phase II study for funding and planning purposes



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WHAT ALL IS AN ACT 167 PHASE 1 STUDY?

Establishes Watershed Working Group (WPAC)



Review Watershed Characteristics And Hydrologic
Conditions



Identify Problems And Significant Obstructions



Solidifies Goals And Objectives Of The Plan



Determine Scope And Cost Of Phase 2

PARTNERS

Watershed
Plan Advisory
Committee
(WPAC)

Municipalities, PennDOT,
LEMA, Non-profits, etc.

Core
Planning
Team

Consultant
Support



PAST PLANS

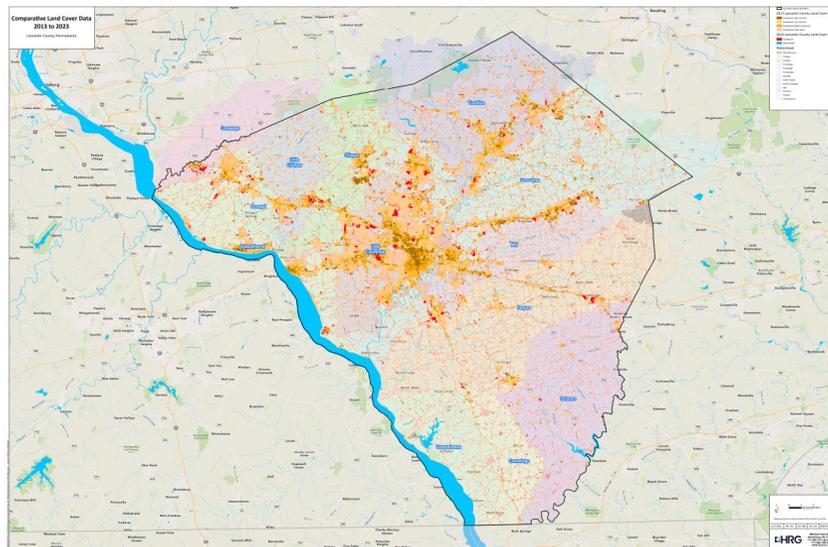
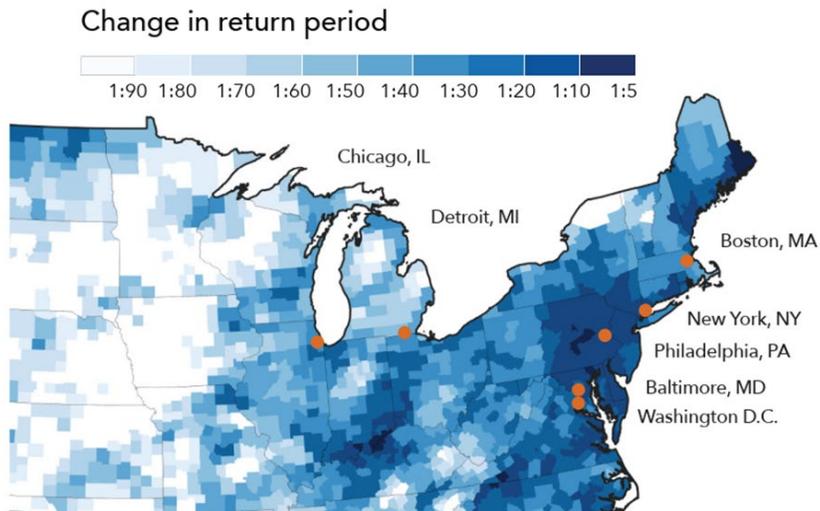


PREVIOUS ACT 167 PLANS IN LANCASTER COUNTY

Watershed(s)	Approved by PA DEP
Mill Creek	6/28/98
Little Conestoga Creek	6/28/98
Cocalico Creek	8/06/02
Conestoga River	8/29/05
Countywide (<i>Blueprints</i>)	5/23/13



WHAT CHANGES HAVE TAKEN PLACE SINCE 2014?



Changes in weather Patterns

- Data is showing more frequent intense events
- NOAA Atlas 15 is expected to incorporate this data into design rainfall totals

Development and Growth

- 17,759 additional acres of development have occurred according to the NLCD data sets

Regulatory Changes

- New SCM/BMP manual
- New General Permit
- NOAA Atlas 15
- New MS4 Guidance



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THE ROLE OF THE WATERSHED PLAN ADVISORY COMMITTEE

- Obtain General Municipal And Organizational Commitment To The Project
- Communicate The Goals And Obtain Input at the Local Level
- Determine Scope and Level of Effort to Complete the Plan

HOW CAN A REVISED ACT 167 PLAN HELP MUNICIPALITIES?



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CONSISTENT STORMWATER REGULATION WITHIN THE COUNTY

EACH MUNICIPALITY WILL HAVE STORMWATER REGULATIONS BASED ON THE SAME METHODS

- Provides developers with a consistent experience across municipalities.
- Allows for easier and better enforcement of regulations by providing owners consistent experiences
- Can encourage incorporating resilient or innovative design approaches tailored to the County
- Account for local geology in regulation that is typically not accounted for in state models
- Still allows for municipalities to modify the base regulation to suite their needs



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POTENTIAL MODEL ORDINANCE UPDATES

Consistency	Incorporate guidance on upcoming design changes like continuous simulation proposed in the new dep manual
Karst	Include provisions for local karst geology and set repair standards for sinkholes
Design	Clarify guidance for redevelopment of sites and define release rates by watershed/sub-watershed
O&M	Define maintenance and inspection standards for owners



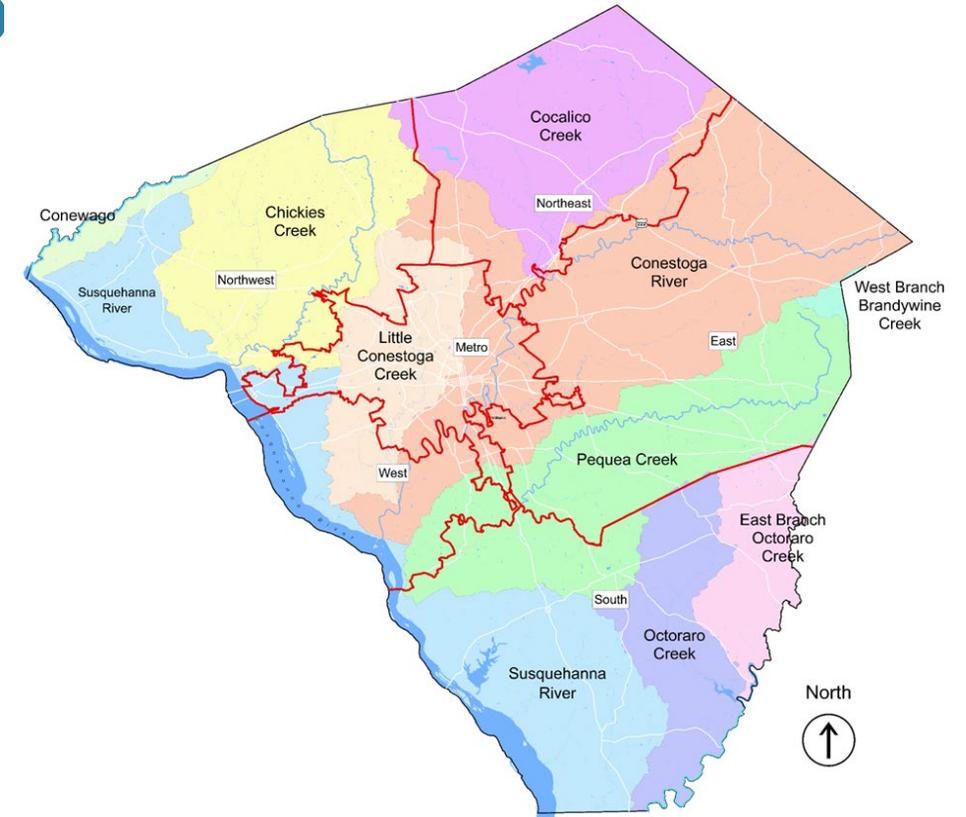
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MUNICIPAL COORDINATION & COLLABORATION

PROMOTES WATERSHED OR REGIONALIZED APPROACH TO STORMWATER

- > Stormwater Doesn't Follow Municipal Boundaries
- > The Solution To A Problem May Be Up Or Downstream
- > Utilize Efficiencies To Address Issues
- > Shared Costs and Responsibilities



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BENEFITS OF COLLABORATION

1

Supports watershed planning and management

4

Gains economies of scale

7

Expands cost share options

2

Streamlines regulatory requirements

5

Increases purchasing power

8

Allows for development regionally tailored regulations

3

Eliminates duplication of services

6

Enhances opportunities for grants/loans



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CONCERNS ABOUT COLLABORATION

1

Loss of local control

4

Ensuring equal benefits

2

Equitable distribution of costs

5

Realizing constituent understanding & support

3

Conflict resolution

6

Upfront funding need

PRELIMINARY SURVEY RESULTS



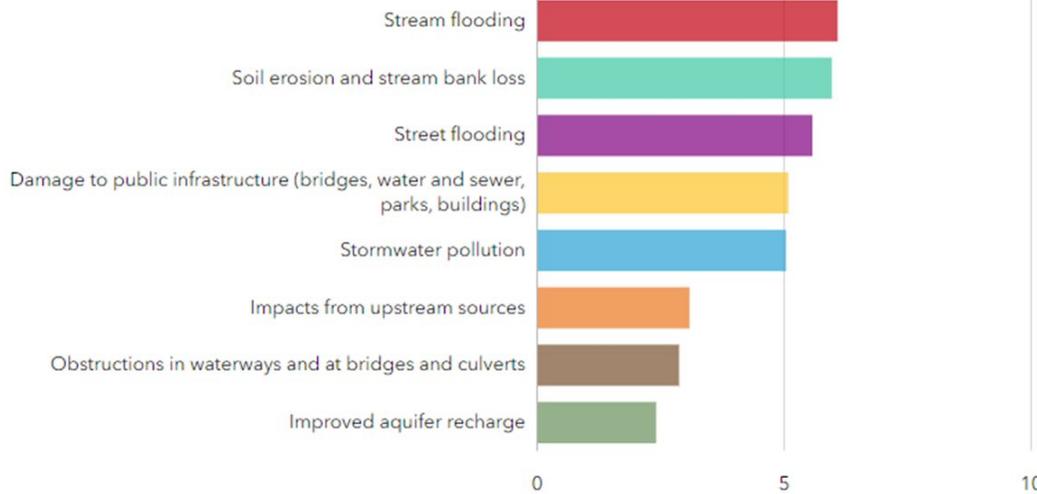
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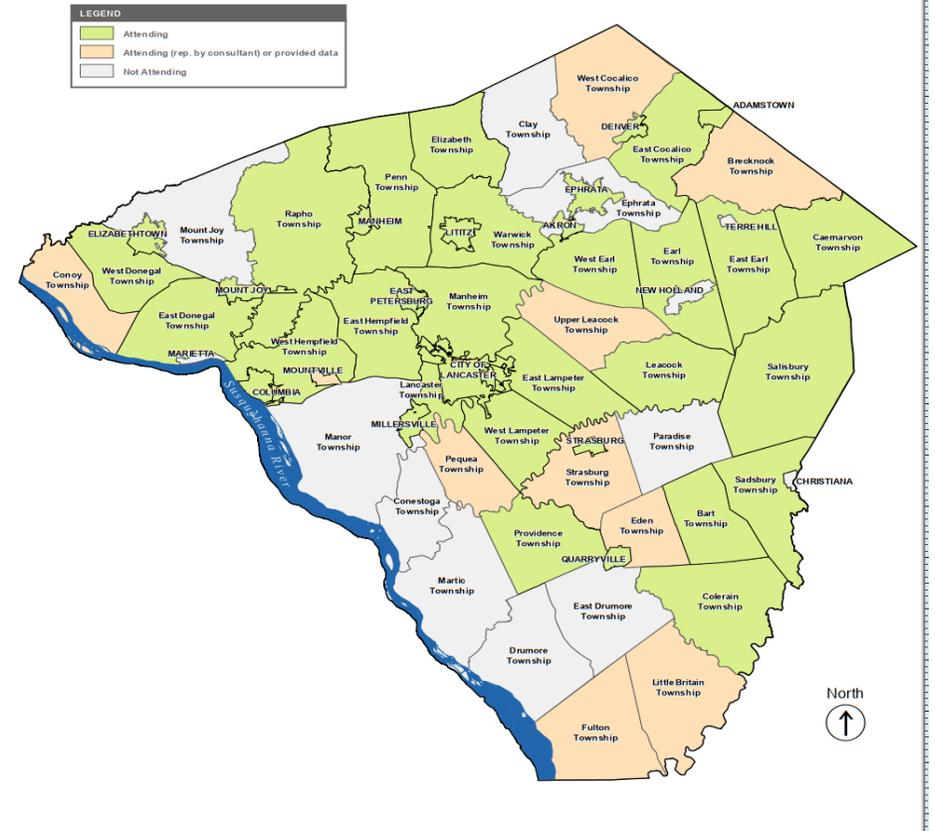
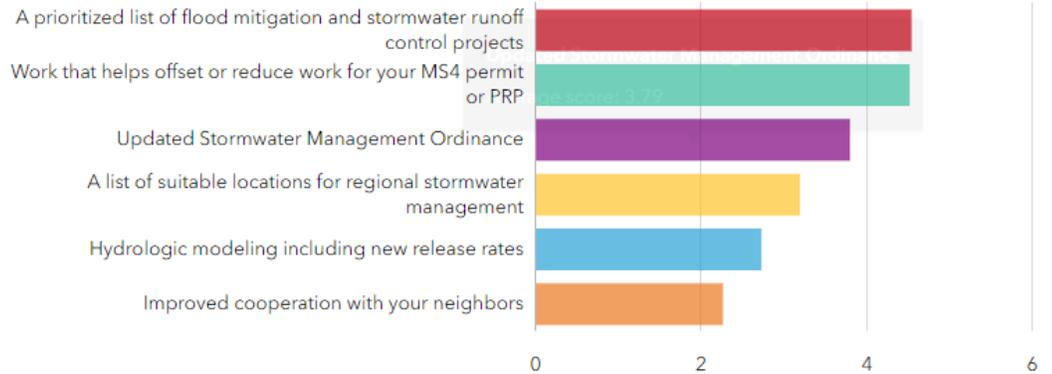
Survey Data Collection Update

Summer 2024 WPAC Survey:

OF THE FOLLOWING STORMWATER ISSUES, WHICH IMPACTS YOUR MUNICIPALITY THE MOST? WHICH WOULD YOU WOULD LIKE TO RESOLVE OR IMPROVE?



IF WE PROCEED WITH A PHASE 2 STUDY, WHICH OF THE FOLLOWING OUTCOMES WOULD BE MOST BENEFICIAL?



Act 167 Planning Participation

Attending
(official rep)

Attending
(consultant rep)

Not
Attending

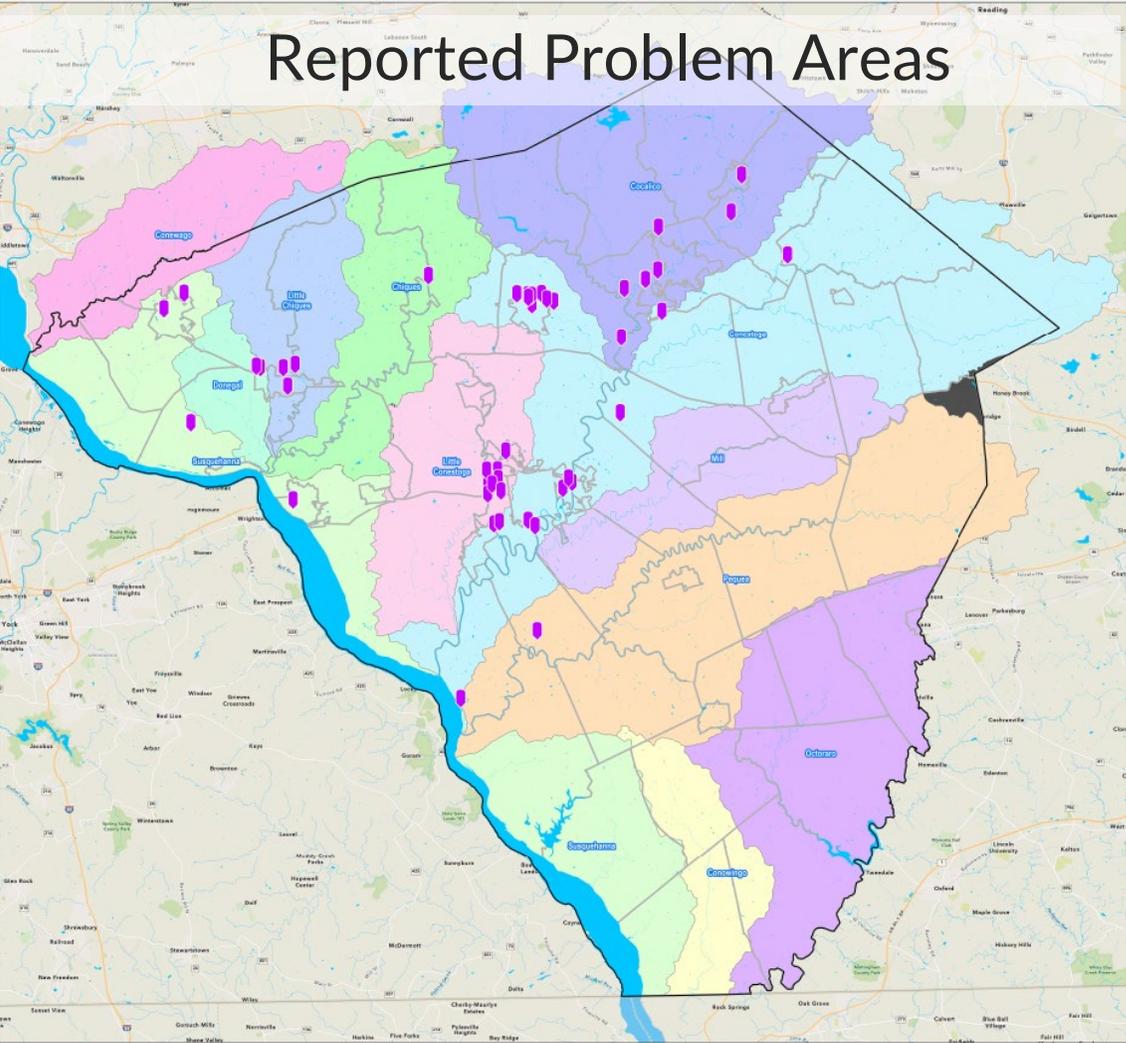
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10

13

SURVEY DATA COLLECTION UPDATE

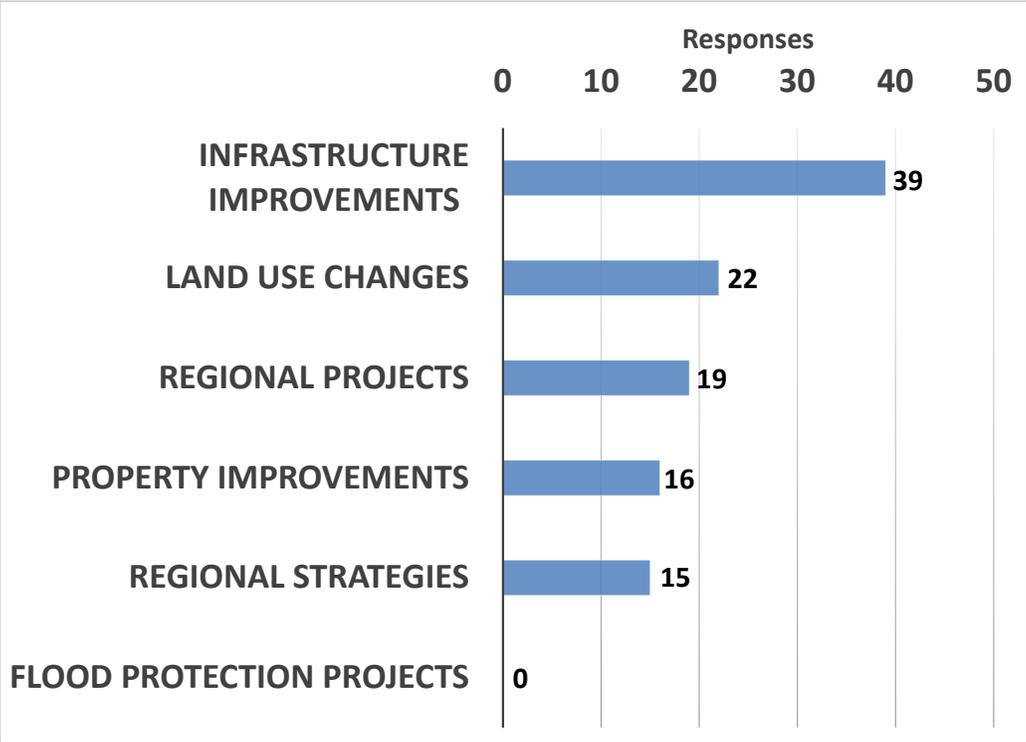
Reported Problem Areas



Ongoing Phase I WPAC Survey (as of 1/24/25):

- 32 Partners have responded
- 55 Problem areas reported

WHAT TYPES OF SOLUTIONS DO YOU THINK WOULD ASSIST WITH THE NOTED PROBLEM AREA?



HOW CAN WPAC MEMBERS HELP?

- Complete the Survey!
- Provide feedback at this meeting!
- Let us know how you the plan can benefit you/your group.
- Contact the County or HRG after today:
mvanaskie@HRG-inc.com
awwilusz@HRG-inc.com
mhuber@lancastercountypa.gov



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DEVELOP STRATEGIES FOR LANCASTER CO.

LOOK COUNTYWIDE, ON A WATERSHED BASIS, BUT MUST APPROACH BASED ON IDENTIFIED NEEDS AND BUDGET? WILL WE:

- Complete a high-level countywide plan?
- Select and focus on high priority or problem areas?
- Select watersheds not already studied?
- Cover all watersheds, but with only the services they need?
- Target a Model Ordinance that aids MS4 requirements?

ALL STRATEGIES REQUIRE MUNICIPAL INPUT AND PARTICIPATION, INCLUDING SWM ORDINANCE ADOPTION.

ONGOING ENGAGEMENT WITH MUNICIPALITIES IS ESSENTIAL



LANCASTER CO. 167 PLAN UPDATE

NEXT STEPS

TIMELINE FOR PHASE 1

<i>Date</i>	<i>Description</i>
July 22, 2024	WPAC Kick-off meeting #1
Late August 2024	Consultant under contract
November 2024	Data/Document Review
December 2024	Phase 1 Survey to Stakeholders
January 2025	WPAC meeting #2
April 2025	WPAC meeting #3 (Possibly a 4 th too)
April – May 2025	Complete SOW and Final Plan
May 2025	Submit Phase 1 SWMP to DEP & DCED
June 2025	Phase 1 SWMP Adoption
End of 2025	Begin Act 167 Plan Phase 2 study



COMMENTS AND QUESTIONS?

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