



pennsylvania
DEPARTMENT OF ENVIRONMENTAL
PROTECTION



Chesapeake Bay Program Office

Chesapeake Bay Program Update

Agriculture Advisory Board
January 27, 2020

Tom Wolf, Governor

Patrick McDonnell, Secretary

Agenda

- Chesapeake Bay Agricultural Inspection Program
- Phase 3 WIP Implementation Progress
- Countywide Action Planning and Implementation

Chesapeake Bay
Ag Inspection
Program

Phase 3 WIP
Implementation
Progress

Countywide Action
Planning and
Implementation

Contact

Number of Agricultural Inspections Performed: July 1, 2018 – June 30, 2019

Total:

- Approximately 3,067,600 agricultural acres in Pennsylvania's part of the Bay Watershed
- 315,823 acres (10.3%) inspected— 2,951 farm operations

Act 38 Nutrient Management Program:

- 886 agricultural operations inspected
- 138,139 acres inspected

Chesapeake Bay Agricultural Inspections Program:

- 2,065 agricultural operations inspected
- 177,684 acres inspected

Expanded Agricultural Inspections: Compliance Rates on Initial Inspections

- **Act 38 Nutrient Management Program:**
 - 86% compliance rate for Act 38 Planning and Implementation Requirements.
- **Chesapeake Bay Agricultural Inspections Program:**
 - 63% compliance rate for Manure Management Planning requirements.
 - 64% compliance rate for Agricultural Erosion and Sediment Control/Conservation Planning requirements.

CB Agricultural Inspection Program – MMP

Manure Management –

- 1,537 out of 2,065 operations inspected were required to have MMPs
- At the time of initial inspection:
 - 1,048 farms were found to have written MMPs
 - 967 farms had administratively complete MMPs
 - 85% reported using assistance to develop plans
 - 762 farms that indicated records were being kept
 - 322 farms had records reviewed to ensure that nutrients were applied at less than or equal to planned rates
 - 4 Concentrated Animal Operations (CAOs) were identified

CB Agricultural Inspection Program – Ag E&S

Agricultural Erosion and Sediment Control (Ag E&S) –

- 1,610 out of 2,065 operations inspected were required to have Ag E&S Plans
- At the time of initial inspection:
 - 1,101 farms were found to have had written Ag E&S (or NRCS Conservation) Plan
 - 1,024 farms had administratively complete Ag E&S (or NRCS Conservation) Plan
 - 92% reported using assistance with development of the Ag E&S Plan

CB Agricultural Inspection Program: Enforcement

	2016-2017	2017-2018	2018-2019	Total
Referrals to Bureau of Clean Water	21	87	66	174
Notices of Violations	21	87	66	174
Field Orders	0	22	47	69
Consent Order and Agreement	0	1	2	3
Closed Cases	7	42	64	113

CB Agricultural Inspections: Future

- Implementing Ag Inspection Reporting and Data Collection Efforts via centralized PracticeKeeper Geo-database
- Chesapeake Bay Ag Inspection Program – Phase 2
 - Begin the process to incorporate “plan implementation” assessments in Lancaster, Adams, Cumberland, and Chester counties
 - Provide resources for farmers to meet obligation to implement their Ag E&S and Manure Management Plans

Ag Plan Reimbursement Program

Open to counties within the Chesapeake Bay Watershed
\$1.4 million in funding has been distributed for the first two rounds of funding:

- Round 1: 750 plans, \$770,000 funds, 180,000 acres
- Round 2: 950 plans, \$600,000 funds, 150,000 acres

\$1.35 million in funding is available for the third round

TeamAg – Southeast/Southcentral

Larson Design Group – Northeast/Northcentral

Phase 3 WIP Progress

- New Programs to Support Implementation
 - Pennsylvania Farm Bill
 - Agriculture Plan Reimbursement Program
 - Funding for the CBAIP Pilot – Phase 2
 - Community Conservation Partnership Program (C2P2) Buffer Grants
 - Turf to Trees and Meadows
 - TreeVitalize Grants
 - Stream ReLeaf

Phase 3 WIP Progress

- Incentives and Methods to Accelerate Implementation
 - Use of “Block Grants”
 - Expansion of Existing Funding Programs like REAP and Growing Greener
 - Establishment of a Center for Water Quality Excellence
 - Review and Consideration of DEP Permitting Process Modifications
 - Improvements to DEP’s Cross-Program Reporting
 - DEP Chesapeake Bay Office Growth

Phase 3 WIP Progress

- New Legislative Actions to Support Implementation
 - Keystone Tree Fund

Phase 3 WIP Progress

- New Regulatory Actions to Support Implementation
 - Chapter 105 Regulatory Amendments

Phase 3 WIP Progress

- New Programmatic and Policy Actions to Support Implementation
 - Expanded Coordination of MS4 and Nonpoint Sources

Countywide Actions

Countywide Action Planning (CAP) and Implementation Timelines
Funding, Tools, and Resources to support CAP development and
implementation

Phased Plan Development and Implementation

Phase 1	Phase 2			
Tier 2 - Second 25% of Reductions	Tier 3 - Third 25% of Reductions		Tier 4 - Last 25% of Reductions	
Franklin -- Completed Lebanon Cumberland Centre Bedford	Adams -- Completed Northumberland Perry Snyder Huntingdon Columbia Mifflin Lycoming	Schuylkill Bradford Juniata Clinton Tioga Susquehanna Clearfield Fulton	Union Chester Dauphin Berks Blair Lackawanna Luzerne Montour Cambria Sullivan	Potter Somerset Wyoming Elk Indiana Cameron Wayne McKean Jefferson Carbon

NOTE: Plans for the Two Tier 1 Counties, **Lancaster and York** are also **Completed**.

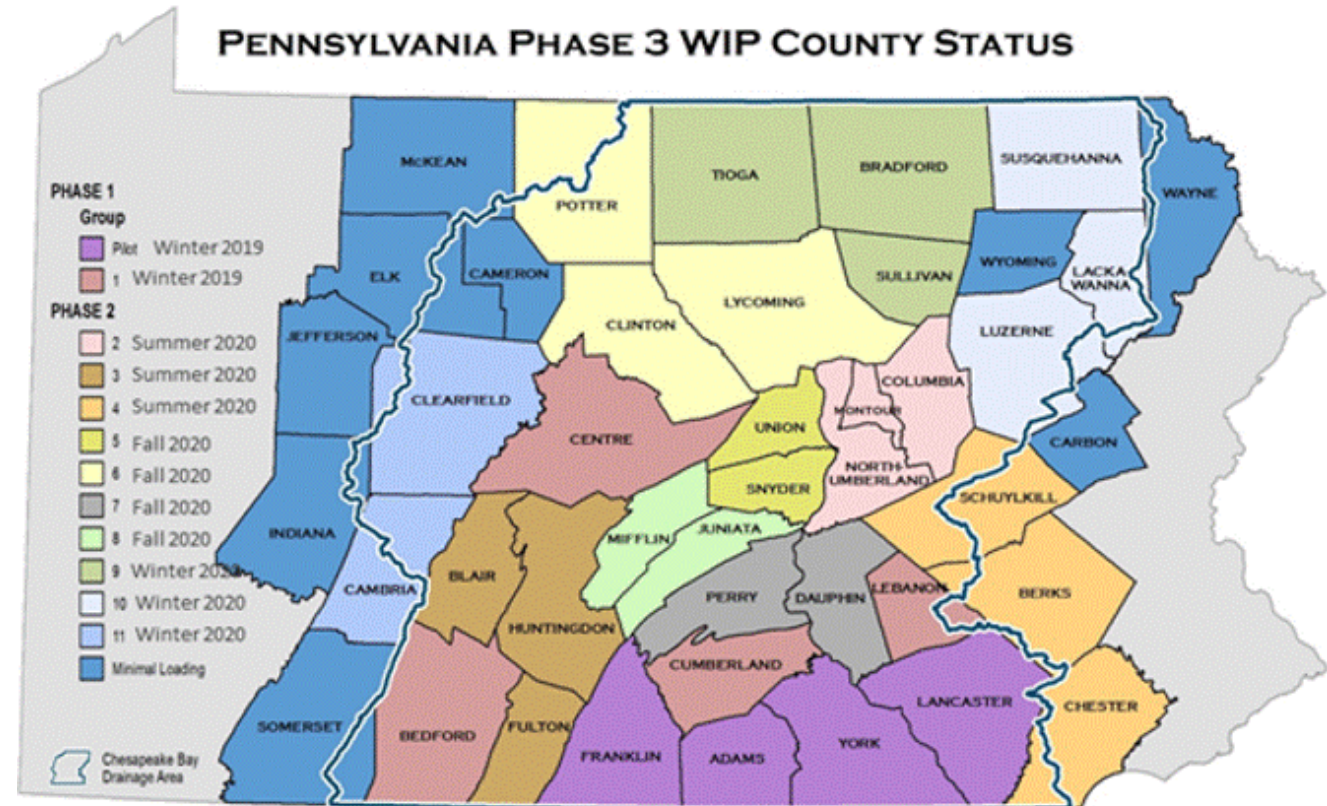
Phased Plan Development and Implementation

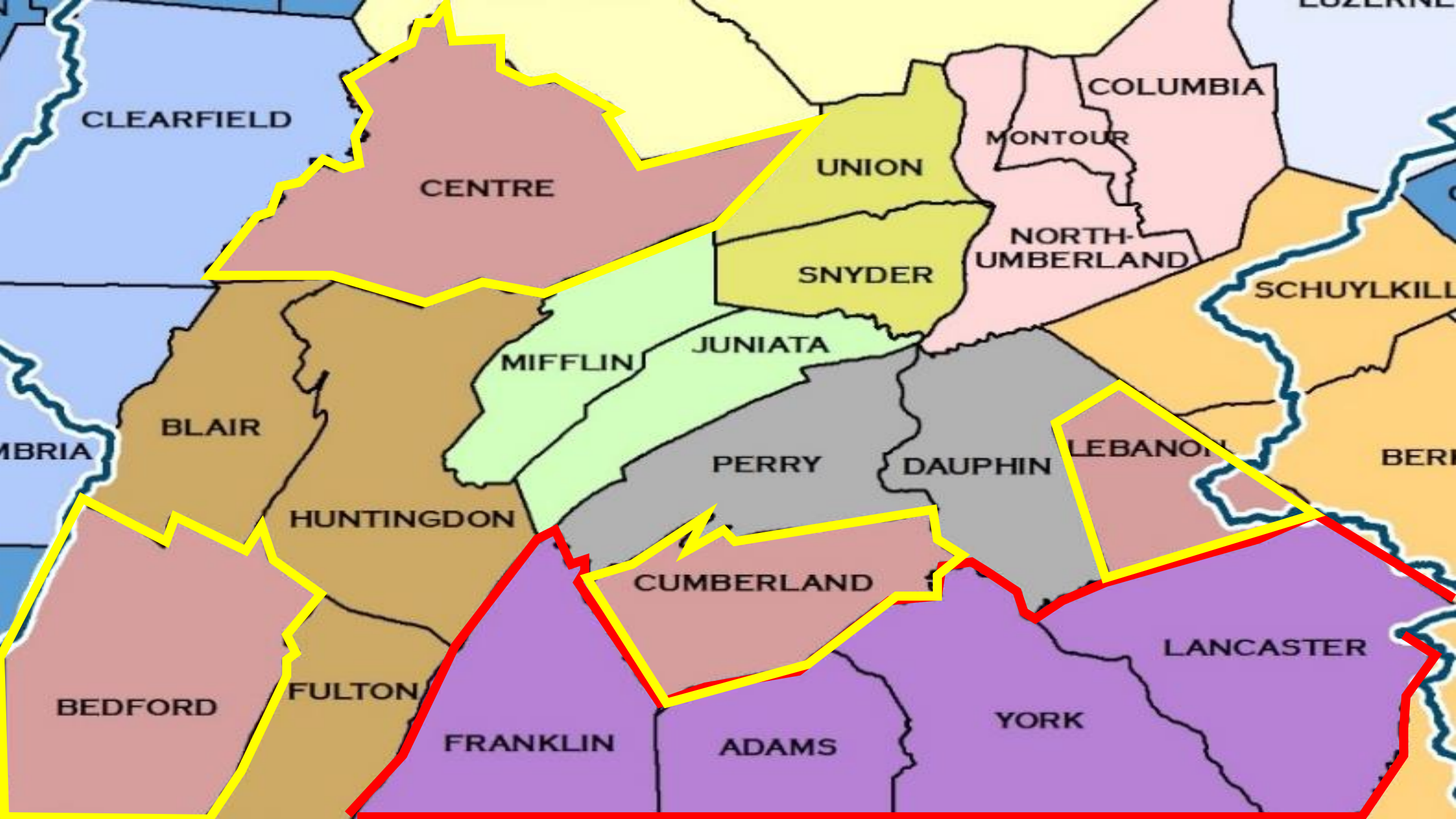
Phase 1 (Begins Winter 19/20 and lasts 6 to 8 months)

- Efforts in this phase are focused on the eight Tier 1 & 2 counties that make up 54% of PA's nutrient load.
- Actions include:
 - Assist Pilot Counties with transition to Countywide Action Plan implementation.
 - Work with remaining Tier 2 counties develop and implement Countywide Action Plans.
 - Begin outreach to Tier 3 and 4 counties.

Phase 2 (Begins Summer 2020 and lasts 6 to 8 months)

- Efforts in this phase are focused on the thirty-five Tier 3 & 4 counties that make up 46% of PA's nutrient load.
- Actions include:
 - Assist Pilot and Tier 2 counties with Countywide Action Plan implementation.
 - Break Tier 3 and 4 counties in to regional groupings based on existing partnerships.
 - Work with regional groups to help Tier 3 and 4 counties to develop and implement Countywide Action Plans.





CLEARFIELD

CENTRE

UNION

COLUMBIA

MONTOUR

NORTH-
UMBERLAND

SCHUYLKILL

SNYDER

MIFFLIN

JUNIATA

BLAIR

PERRY

DAUPHIN

LEBANON

BERK

HUNTINGDON

CUMBERLAND

LANCASTER

BEDFORD

FULTON

FRANKLIN

ADAMS

YORK

Countywide Action Plan Funding Support

County Community Clean Water Action Plan Coordinator Grant

- Pilot Counties + Tier 2 Counties
- State-funded – Environmental Stewardship Fund
 - Total: \$800,000 (\$100,000 available for each county) annually

Countywide Action Plan Implementation Grant

- Pilot Counties
- Federal-funded - CBIG
 - Total: \$690,000 is available to be allocated to the pilot counties to begin implementing their CAPs
 - Must be spent by September 30, 2020

Countywide Action Plan Staff Support

DEP Support Team for Counties

- DEP Staff Person from Chesapeake Bay Office - point of contact for the county planning team and technical support team
- DEP Regional Office - support for permitting, planning and implementing practices
- Technical Coordinator - provides technical support and data to county planning team

County Community Clean Water Action Plan Coordinator

- County-based point of contact coordinating, supporting and reporting county action plan activities from development to implementation. Funded through an agreement between DEP and the lead agency of the county planning team.

Countywide Action Plan Training Support

County Community Action Plan Coordinator Onboarding

- Four-day Onboarding Training Scheduled for February, 2020
- Set direction and equip the new county coordinators with resources and knowledge to support planning and implementation
- Ensures that newly hired coordinators at the county and state levels will be adequately prepared and supported

How Does a County Prepare Its Action Plan?

Pennsylvania Countywide Pilot Planning Process Phase III WIP

**Convene
Countywide
Action Team
Members**

**Identify
Water
Quality and
Other Goals**

**Identify Local
Resources**

**Select and
Report
Actions**

**Implement
Actions and
Continue to
Report Actions**

Tools and Resources to Support CAP Development

Community Clean Water Planning Guide

- Standardized introduction to the planning process
- Clearly defined framework for process, directions
- Timeline and expectations
- Real world examples from pilot counties

Community Clean Water Planning Toolbox

- Customized for each county
- Outlines county specific information in a more technical format
- To be used by the County Coordinators

Tools and Resources to Support CAP Implementation

Community Clean Water Implementation Guide

- Prepare and support counties when transitioning to implementation
- Contains information, strategies, key contacts, etc. to support local partners

Community Clean Water Implementation Toolbox

- Customized for each county
- Outlines county specific information in a more technical format
- To be used by the County Coordinators



Chesapeake Bay Program Office



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