



Nonpoint Source Compliance Data Management

Nutrient Management and Manure Management
Chesapeake Bay

Learning Objectives

- Identify the data that is managed by the Nonpoint Source (NPS) Compliance Group in the Bureau of Clean Water.
- Understand the CD reporting requirements for the data managed by NPS Compliance.
- Understand opportunities to enhance CD internal operations using the data managed by NPS Compliance.

Nutrient Management and Manure Management

- Level 2 Plan Approval Report – Attachment F
- Manure Management Manual Reporting
(Chapter 91) – Attachment G
- Level 2 Quarterly Report – Attachment H

Level 2 Plan Approval Report – Attachment F

- Describes Plan information

- Operation Name
- Participant Information
- Approval Date
- Acres
- Manure Generated/Animal Qty
- Imported/Exported Manure
- Storages
- BMP Implementation Schedule

Attachment F

NUTRIENT MANAGEMENT ACT
LEVEL 2 PLAN APPROVAL DATA
(Complete a separate page for each approved plan)

I.

Operation Name: [REDACTED]	County Code:
Approval Date: 01/30/2019	Date Plan Withdrawn from Program:
Original Plan or Revision (P/R): Original	Unique Operator ID: NMP-00-00095
CAFO Site Name (If applicable): [REDACTED]	CAO (Yes/No): Yes
Watershed Code (No. & Letter): 10D	Special Protection Waters (HQ/EV/None): None
Plan Author: Todd C. Rush	Authors NM Certification Code: 988
Plan Reviewer: Larry Baum	Reviewer's Cert. Number:

Level 2 Plan Approval Report – Attachment F

- CD should enter the NMP in the PracticeKeeper Database (PK) after the plan is board approved.
 - It may be entered sooner.
- Report should be saved for CD records, but does it is not required to be submitted to DEP or the SCC.

General

Map

Participants

Related BMPs

Plan Funding

Generated Manure

Exported Manure

Imported Manure

Storage Facilities

Supplemental NM BMPs

Status Reviews

Attachments

Edit

General

Identifier: NMP-00-00083

Plan Name: Creekside Dairy - MOCKPLAN

Nutrient Management Plan Type: Act 38

Nutrient Management Plan Subtype: VAO

Lifespan Years: 1

Nutrient Management Plan Status: Approved

Nutrient Management Plan Version: Original

Address: 1000 Penn Grant Road

Parcel Number: 320-2389540-235847-0-0000

County: Lancaster

NMP Module General Tab



pennsylvania
DEPARTMENT OF ENVIRONMENTAL
PROTECTION

Level 2 Plan Approval Report – Attachment F

- How the data is used:
 - Aggregate and report number of active NMPs
 - Aggregate and report number of animals/animal type and the amount of manure generated
 - Aggregate and report manure transfers outside the county of origin and CB watershed
 - Aggregate and report existing manure storages (planned)
 - Geospatial data used to track compliance with planning and implementation of NMPs.

MMM Reporting – Attachment G

- Describes MMP Program Information
 - MMP Outreach Activities
 - MMP Training Activities
 - On-farm Technical Assistance
 - MMP voluntary verifications
 - CD developed MMPs

Attachment G
Page ____ of ____

MANURE MANAGEMENT REPORTING (Chapter 91)

Conservation District: Lancaster County Conservation District Quarter Ending: 3/31/2018

I.
Number of Manure Management Plan (MMP) outreach activities conducted: 2

Identifier	Outreach Name	Description
MMPO-36-00001	Newsletter Article	Changes in standard animal weights
MMPO-36-00002	Social Media Post	Changes in standard animal weights

- Number of farmers reached (All outreach activities): 54
- Number of private sector planners/consultants reached (all outreach activities): 12

er of MMP training activities: 0

MMM Reporting – Attachment G

- CD should enter
 - all written or verified MMPs in PK.
 - all Outreach and Training Activities in PK.
- In order to count technical assistance provided, the BMP should be related to a MMP and the appropriate stage of implementation documented in PK.
- Report should be saved for CD records, but does it is not

The screenshot shows a web form for reporting outreach activities. On the left, there is a sidebar with two tabs: 'General' (selected) and 'Attachments'. The main form area contains the following fields:

- Save** and **Cancel** buttons at the top.
- Outreach Name:** * Manhiem Farm Show Display
- Manure Management Program:** Yes
- Nutrient Management Program:** Yes
- Outreach Description:** Discussed both the MMP program and NMP program. Distributed educational materials, publications, and Land Application of Manure - MMP Guidance Document.
- Outreach Date:** * 10/08/2018
- Number Of Farmers Reached:** 152

**MMP Outreach Activities
Module General Tab**

MMM Reporting – Attachment G

- How the data is used:
 - Aggregate and report progress toward grant/delegation outputs.
 - Aggregate and report implemented MMP related BMPs (planned)
 - Geospatial data used to track compliance with planning and implementation of MMPs.

Level 2 Quarterly Report – Attachment H

- Describes Act 38 Program Information
 - NMP Outreach Activities
 - Act 38 plan Reviews
 - Non-Act 38 Plan Verifications
 - Status Reviews
 - Complaints

Supplement 4 Send to: [RA-EPWaterPrograms](#)

Attachment H
COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER

**NUTRIENT MANAGEMENT PROGRAM
LEVEL 2 QUARTERLY REPORT**

Conservation District: Lancaster County Conservation District Quarter Ending: 3/31/2020

I Certify: The NMA LEVEL 2 PLAN APPROVAL DATA (Attachment F) forms were submitted.

I Certify: No NMA LEVEL 2 PLAN APPROVAL DATA (Attachment F) forms were required for this quarter.

Number of People Reached Through Outreach Efforts Throughout Quarter: 0

B. NUMBER OF PLANS SUBMITTED FOR REVIEW TO THE DISTRICT:

Number of new plans approved: CAOs: 0
Non-CAOs: 0

Number of plan updates/amendments of approved Act 38 plans: CAOs: 1
Non-CAOs: 0

Number of farms with verified non-act 38 plans: # Farms: 1

C. Number of On-Site Status Reviews:

	CAO	CAFO-CAO	CAFO	VOLUNTEERS
Satisfactory	1	0	1	0
Unsatisfactory	0	1	0	0
Follow-Up	0	0	0	1







D. Complaints: Number Processed: 1
Compliance Required: 1
Referred to DEP: 1

Level 2 Quarterly Report – Attachment H

- CD should enter
 - new, amended, and updated Act 38 plans in PK.
 - the verified non-Act 38 Plans in PK (including 590s, MMPs, and NBSs).
 - NMP-related Outreach Activities in PK.
 - status reviews in PK.
 - complaints in PK.
- Report should be saved for CD records, but does it is not required to be submitted to DEP or the SCC.

Complaint Module General Tab

Details

Assigned Technician:	<input type="text"/>
Complaint Investigation Date:	03/09/2019 
Compliance Required?:	Yes <input type="text"/>
Remedy Required Submission Date:	<input type="text"/> 
Remedy Submitted Date:	<input type="text"/> 
Remedy Completion Date:	<input type="text"/> 
Referral Description:	Water quality concerns. <u>UNT</u> to Stream River. Spreading manure on snow-covered ground. During thaw, manure runoff from field to road ditch, to <u>dropbox</u> , to stream.
Referral Date:	03/10/2019 
Closed Date:	<input type="text"/> 
Comments:	<input type="text"/>

Level 2 Quarterly Report – Attachment H

- How the data is used:
 - Aggregate and report progress toward grant/delegation outputs.
 - Geospatial data used to track compliance with planning and implementation of NMPs and MMPs.

Chesapeake Bay

Agriculture Initial Inspection – Inspection Report Data

Details

Ag. Initial Inspection Module General Tab

Identifier: AI-00-00001
Inspection Type: Initial Inspection
Operation Name: Farm Name
Farm Id: 50-00001
Inspection Date: 01/10/2019 12:45 pm
Agency: CCD

- CD should enter Agriculture Initial Inspection in PK.
- The AI Module can be used as a mobile inspection application.
 - The data entry will be completed as the inspection is completed.

Spatial Details

County: Perry
Municipality: SPRING TWP
Latitude: 40.3728
Longitude: -77.2851

Mailing Address

Mailing Address: 111 street road

Chesapeake Bay

Agriculture Initial Inspection – Inspection Report Data

- How the data is used:
 - Aggregate and report progress toward delegation outputs.
 - Aggregate and report NMP Core N BMPs
 - Reverification of AWS Facilities
 - Identifying and reporting compliance trends
 - Geospatial data used to track compliance with planning and implementation of MMPs and Ag. E&S Plans.

Opportunities

- Standard Reports can inform managers and staff of the work completed and encourage staff accountability.
- Data Explorer reports can inform a quantitative evaluation of any information recorded in PK.
 - Hot spots (Watersheds/townships) of work completed
 - funding source trends
- Spatial data can inform a targeted approach to outreach, implementation, or verification efforts.

Opportunities - Standard Reports

Technical Work Report – Manager’s Summary

Report Period: 1/1/2018-3/31/2018

Technician: ██████████

Practice Implemented	Landowner	Watershed	Units Installed	Date Practice Completed	Farm Bill Practice
578	██████████ ██████████	PEQUEA CREEK	1 Quantity	01/10/2018	CTA

Technician: ██████████

Practice Implemented	Landowner	Watershed	Units Installed	Date Practice Completed	Farm Bill Practice
558	██████████ ██████████	BIG BEAVER CREEK	91 Feet	03/19/2018	Exelon
561	██████████ ██████████	BIG BEAVER CREEK	0.0400 Acres	03/19/2018	Exelon
620	██████████ ██████████	BIG BEAVER CREEK	72 Feet	03/19/2018	Exelon
313	██████████ ██████████	COOPERS RUN	1	03/09/2018	Exelon
382	██████████ ██████████	COOPERS RUN	72 Feet	03/09/2018	Exelon
561	██████████ ██████████	COOPERS RUN	0.0088 Acres	03/09/2018	Exelon
635	██████████ ██████████	COOPERS RUN	0.0840 Acres	03/09/2018	Exelon

NOTE

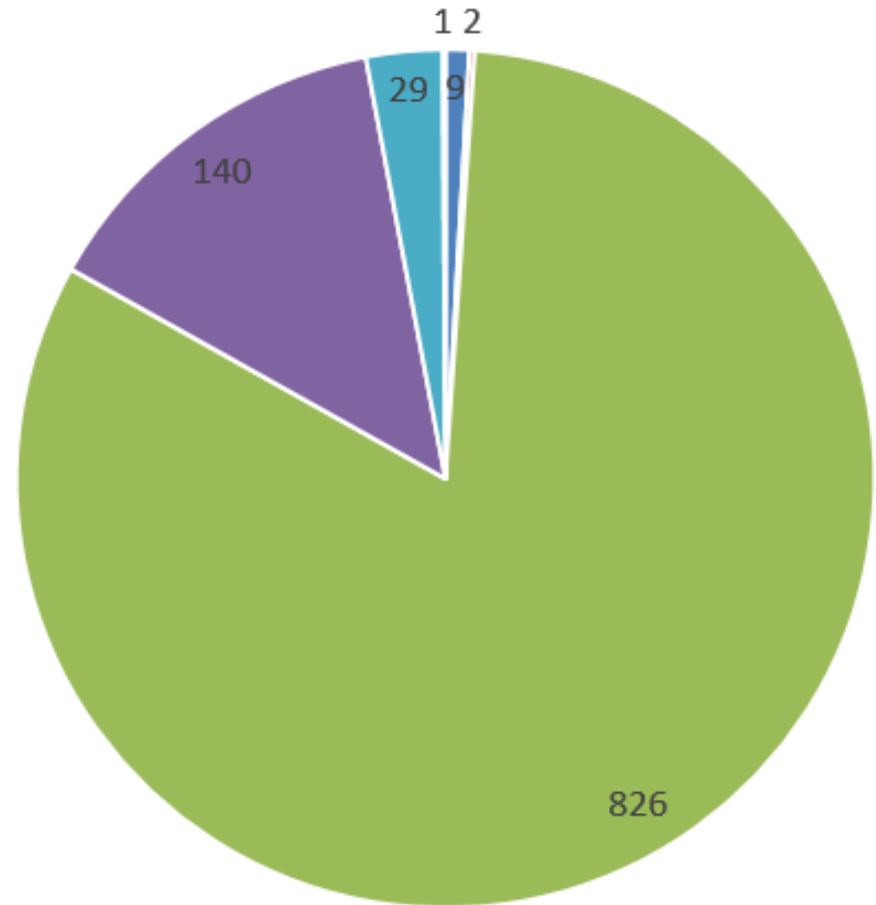
Farm Bill Practice =
Funding Code

This is not always
related to the Farm Bill.

Opportunities – Data Explorer

BMP Funding Source

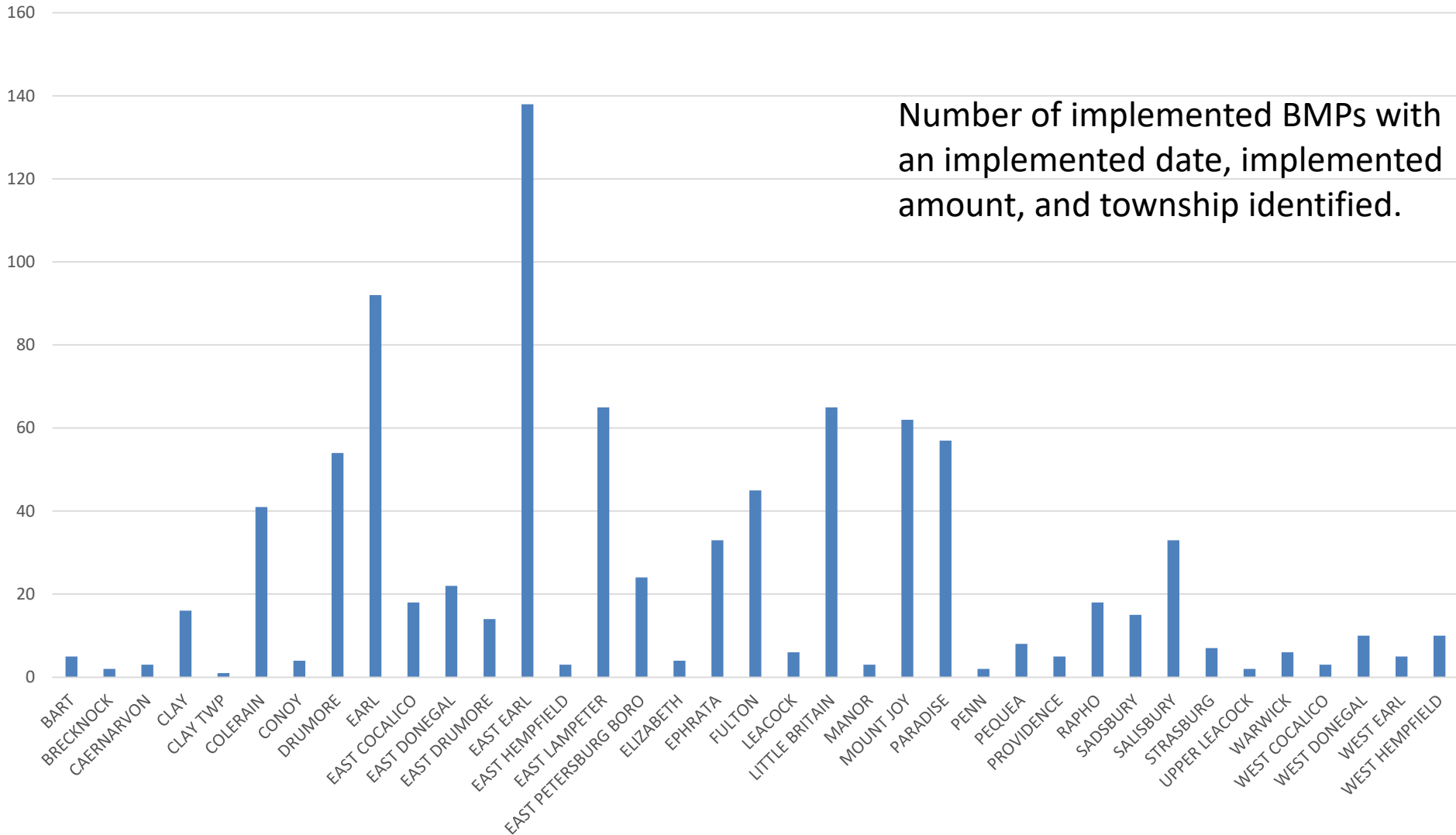
Number of implemented BMPs with an implemented date, implemented amount, and funding source identified.



Opportunities – Data Explorer

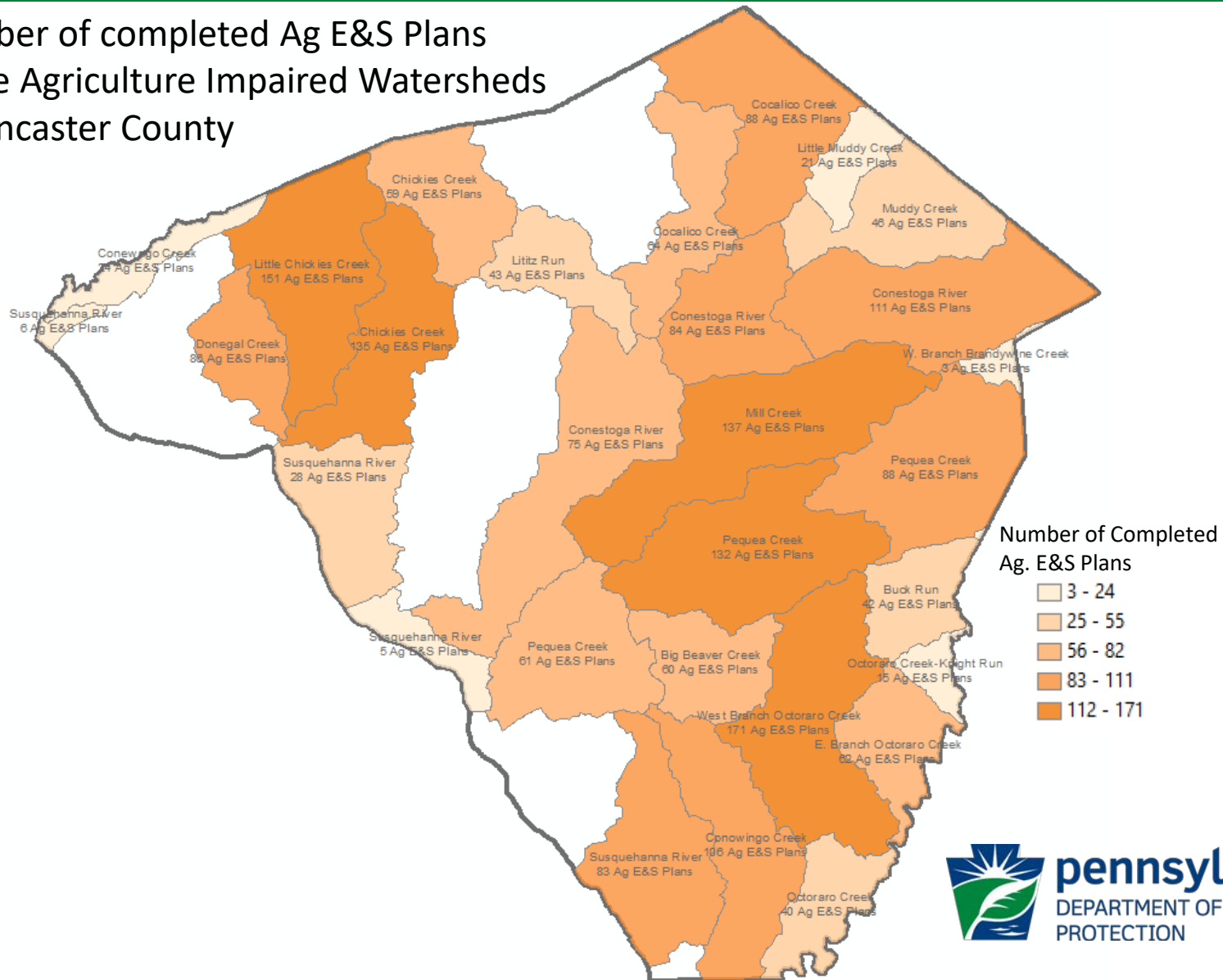
Number of BMPs by Township

Number of implemented BMPs with an implemented date, implemented amount, and township identified.

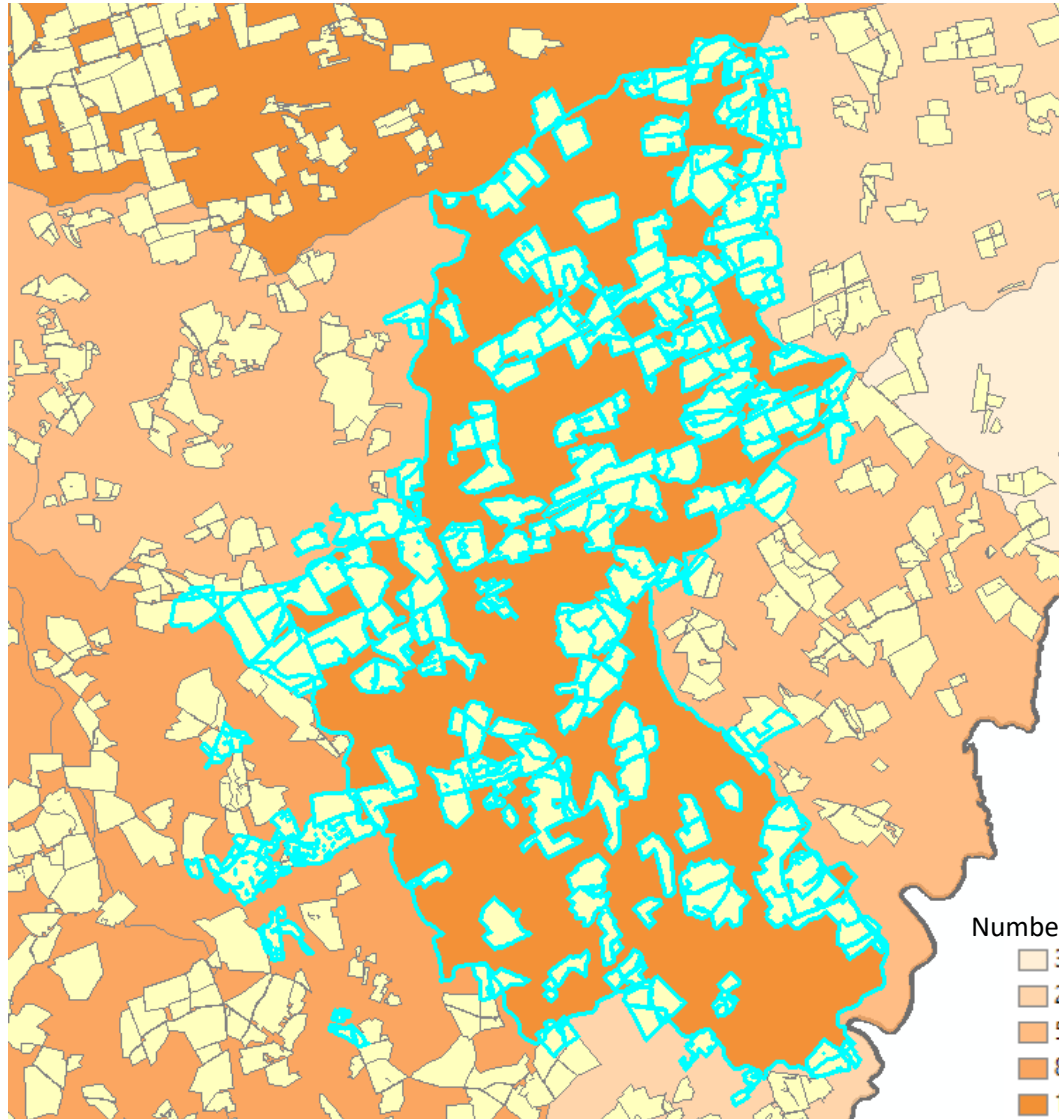


Opportunities – Spatial Data

Number of completed Ag E&S Plans
In the Agriculture Impaired Watersheds
of Lancaster County



Opportunities – Spatial Data



Once a decision is made of where to target, a list of plans and associated PK data can be generated to assist with the outreach effort.

identifier
CP-36-00015
CP-36-00016
CP-36-00022
CP-36-00027
CP-36-00029
CP-36-00033
CP-36-00038
CP-36-00070
CP-36-00099

Summary

- All data administered by NPS Compliance helps track progress toward our Chesapeake Bay goals and advocate for the work completed by the CDs.
- The data in PK can be used by the CD to improve internal operations.



Bureau of Clean Water

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