



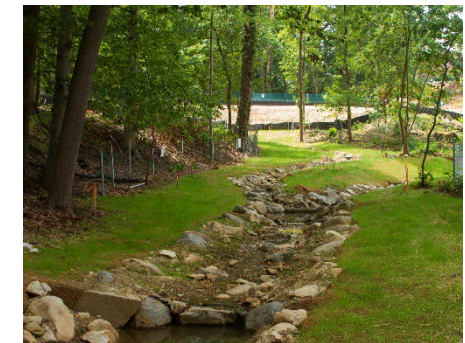
Presentation for the Federal Facilities Workgroup

Sarah Diebel, DoD Chesapeake Bay Program

# BMP Crediting Report & the FY2018 BMP Datacall



July 26, 2018



Photos by NSA Annapolis (at left), Arlington National Cemetery (at top and bottom right)

# Presentation Outline

- BMP Crediting Report
  - What is it?
  - Process overview
  - Results
  - How to interpret BMP records
- FY2018 BMP Datacall



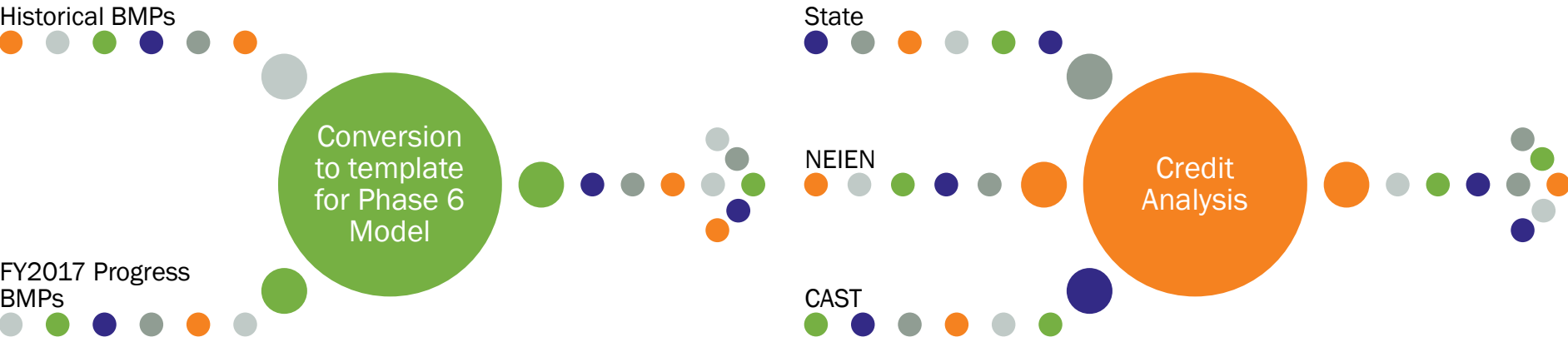


# BMP Crediting Reports

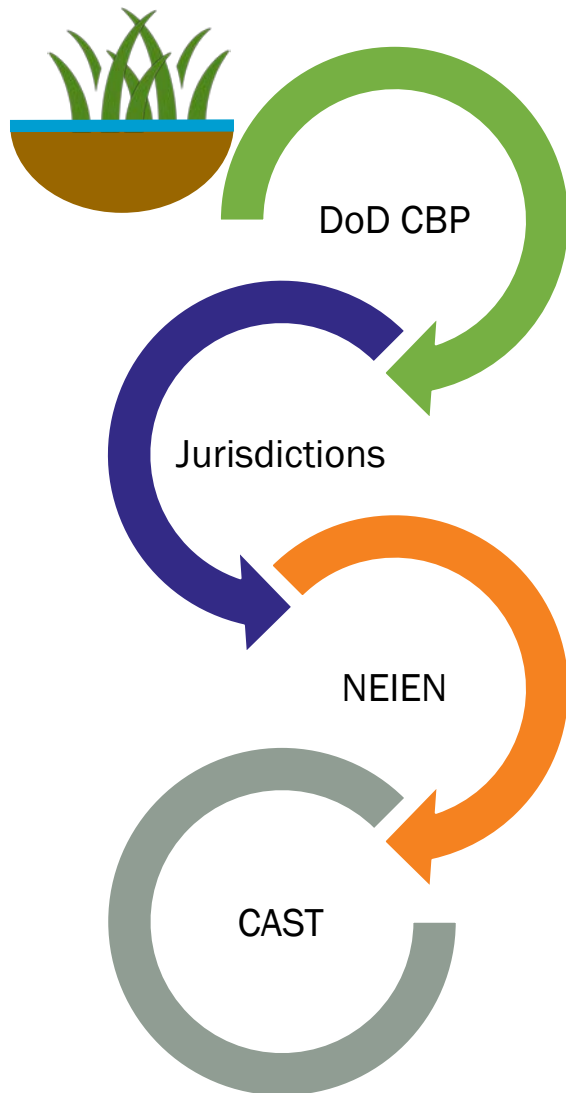
# Background

## What is the BMP Crediting Report?

The BMP crediting reports are an analysis of the crediting status of individual BMPs reported by installations in Maryland, Pennsylvania, Virginia, and Washington, D.C.



# Overview of Crediting Process



After a BMP is reported by the installation, it passes through several steps before it is entered in the Bay Model.

## **DoD CBP:**

Records compiled through annual DoD CBP datacall & reviewed to meet jurisdiction requirements.

## **Jurisdictions:**

Collect compiled records from DoD CBP and others; records entered into state database and uploaded to NEIEN.

## **National Environmental Information Exchange Network:**

Repository for all BMP records in the Bay watershed in a standardized, detailed database and model pre-processor.

## **Chesapeake Bay Assessment Scenario Tool:**

BMPs uploaded from NEIEN through a scenario builder to annual scenarios built by the Partnership modeling team.

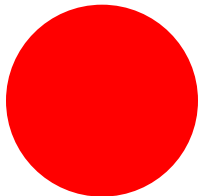
# Overview of Results

## Outcomes of the BMP Crediting Reports:

(1) **Credit by Agency Code:** DoD crediting summary based on agency code (**percent DoD-credited and non-credited**)

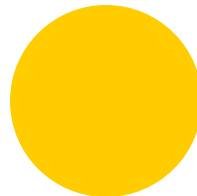
→ DoD CBP is communicating with jurisdictions to confirm resolution of BMPs not properly-credited to DoD installations.

(2) **Credit by BMP status:** DoD crediting summary based on BMP ID analysis (**percent red, yellow, and green**)



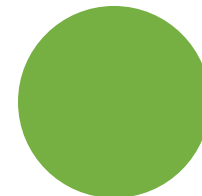
**RED:**

*No credit received by the Bay Model*



**YELLOW:**

*BMP partially-credited by the Bay Model*



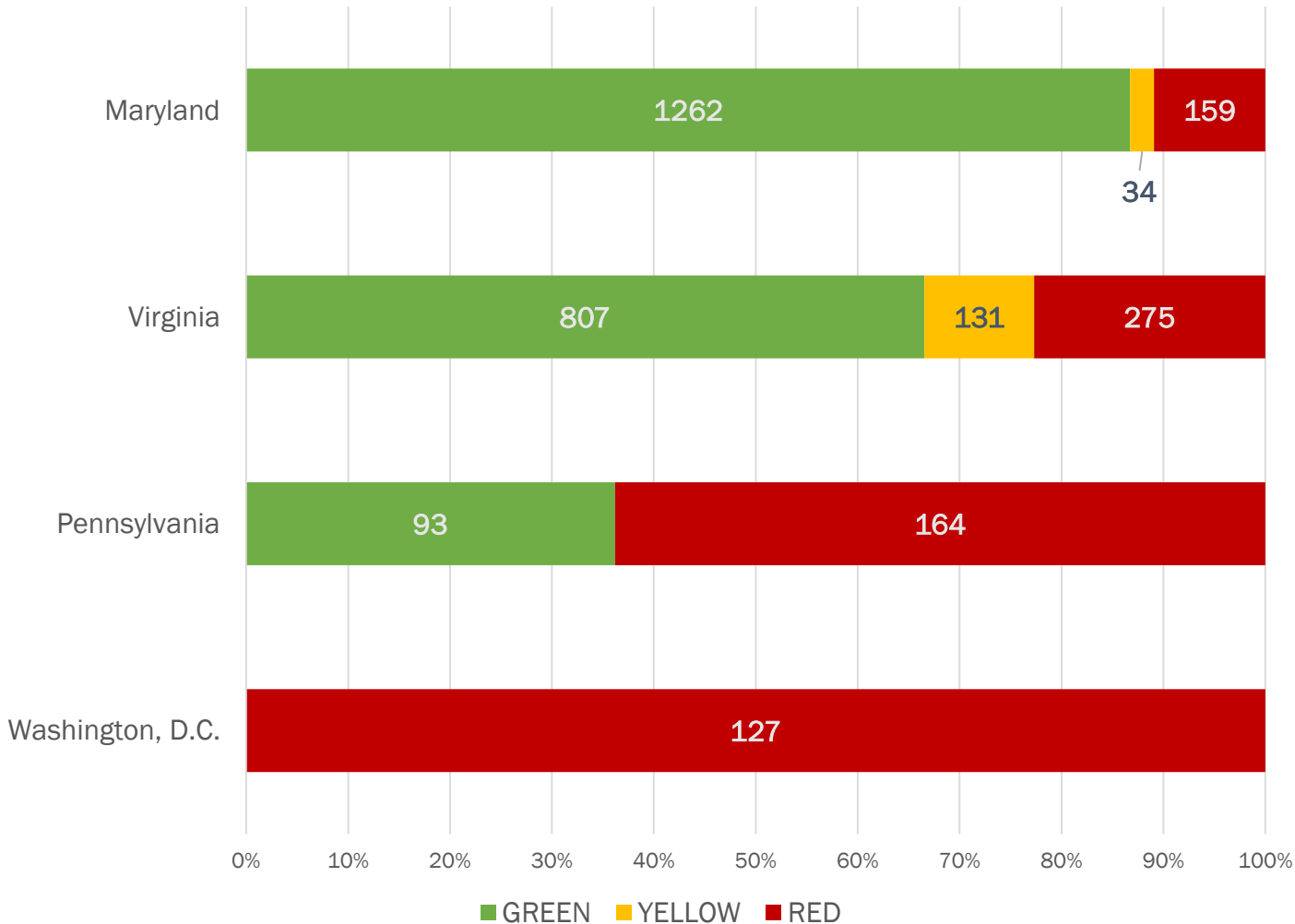
**GREEN:**

*BMP fully-credited by the Bay Model*

# Overview of Results

Number of BMPs credited in the Bay Model:

Percent credited to DoD:



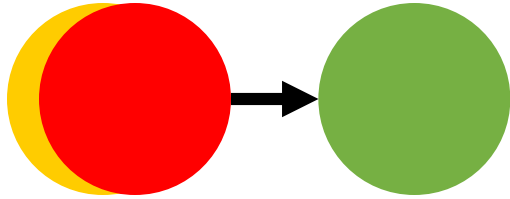
**83 percent**  
1,296 of 1,455 BMPs

**None**  
0 of 1,213 BMPs

**36 percent**  
93 of 257 BMPs

**None**  
0 of 127 BMPs

# Installation's Role



While some non/partial-credit issues will be resolved by the DoD CBP, installations can improve the status of yellow and red BMPs by:



Reviewing BMPs converted to the Phase 6 BMP types for accuracy



Filling in missing information

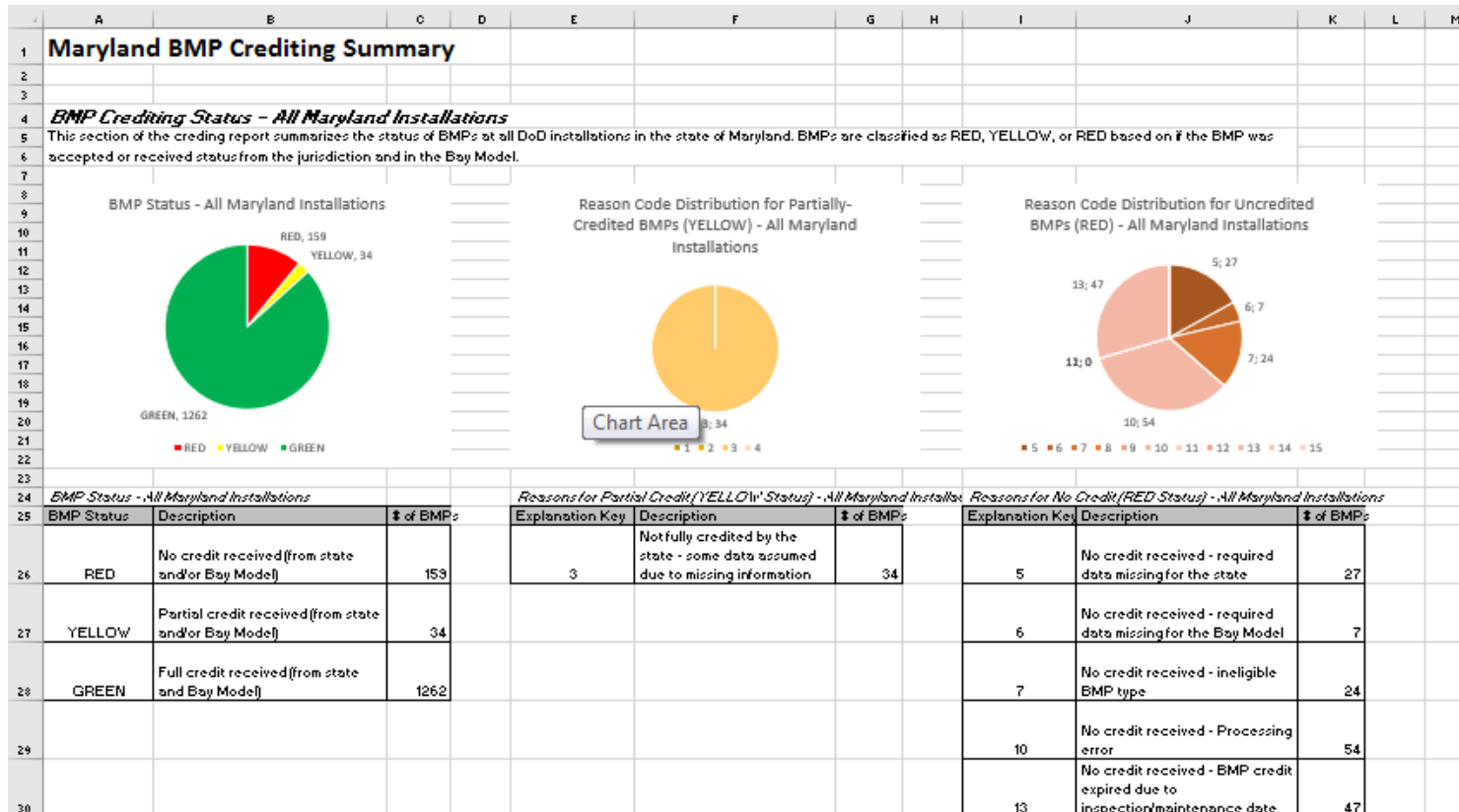
Providing and/or updating inspection/verification data





# Viewing Results for Installations

## Statewide results

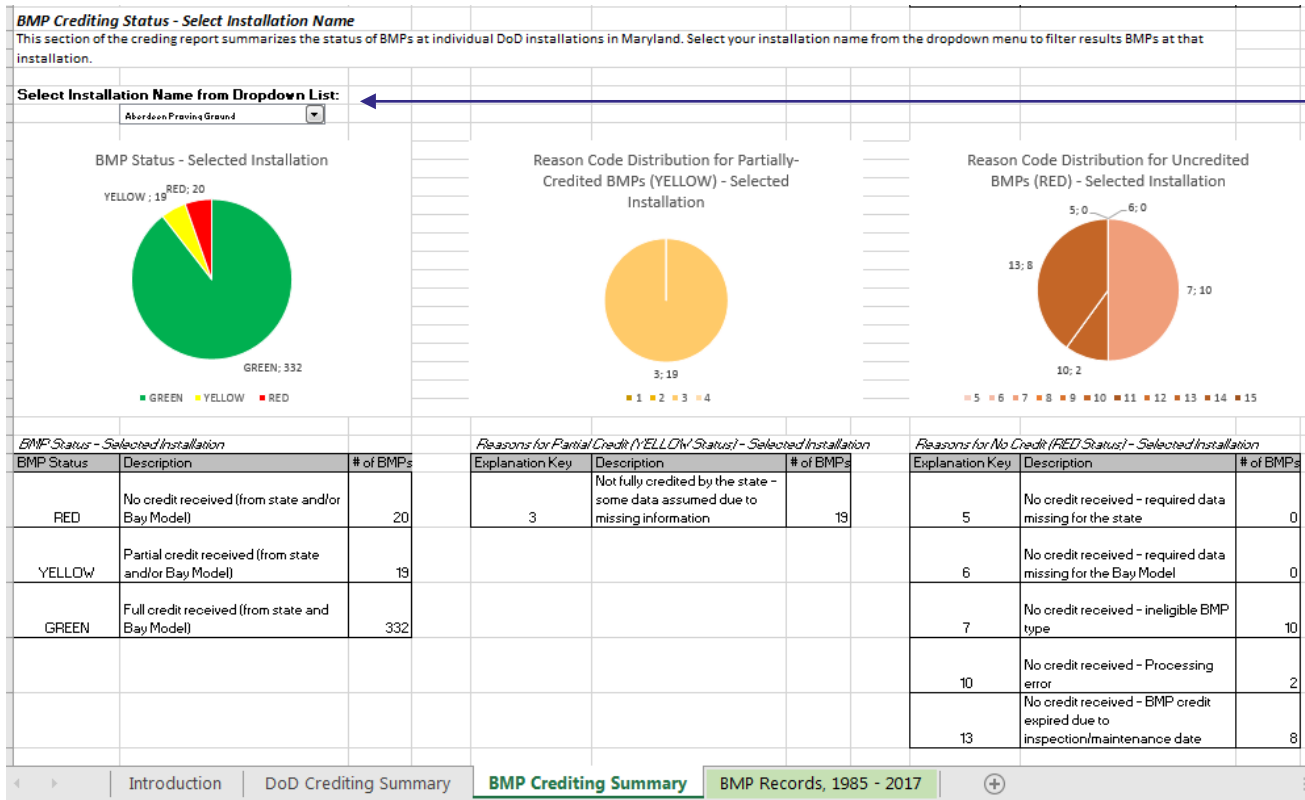


Summary pie charts

Tables with count by Explanation (for YELLOW and RED)

# Viewing Results for Installations

## Installation-specific results



Dropdown to select installation

Summary pie charts

Tables with count by Explanation (for YELLOW and RED)

# Viewing Results for Installations

FY2017 BMP Status									
FY17 Status	State Database List	NEIEN BMP List	Inspection Error Status	CAST BMP Input	Explanation	DoD BMP ID	MD BMP ID	Installation BMP ID	Installation Name
RED	RED	RED	RED	RED	No credit received - Processing error	MD_FY17_1641	SWM_26W	SWM_26W	NAS Patuxent River - Webster Field
GREEN	GREEN	GREEN	FALSE	GREEN	BMP fully credited by state and Bay Model	MD_FY17_1226	NSA11BMP0011A	NSA11BMP0011A	Fort George G. Meade
GREEN	GREEN	GREEN	FALSE	GREEN	BMP fully credited by state and Bay Model	MD_FY17_1228	NSA11BMP0012A	NSA11BMP0012A	Fort George G. Meade
RED	RED	RED	RED	RED	No credit received - ineligible BMP type	MD_FY17_734	FGGM_NRD06	FGGM_NDNR.06	Fort George G. Meade
RED	GREEN	GREEN	FALSE	RED	No credit received - Processing error	MD_FY17_1317	NSA12BMP0099C	NSA12BMP0099C	Fort George G. Meade
YELLOW	GREEN	GREEN	FALSE	GREEN	Not fully credited by the state - some data assumed due to missing information	MD_FY17_1203	FTD_MS WB.01	FTD_M3	Fort Detrick - Main Site
YELLOW	GREEN	GREEN	FALSE	GREEN	Not fully credited by the state - some data assumed due to missing information	MD_FY17_1562	SWM_70	SWM_70	NSA Bethesda
GREEN	GREEN	GREEN	FALSE	GREEN	BMP fully credited by state and Bay Model	MD_FY17_940	ALC_FBIO.01	ALC_F.03	Adelphi Laboratory Center (ALC) - Main Site
GREEN	GREEN	GREEN	FALSE	GREEN	BMP fully credited by state and Bay Model	MD_FY17_941	ALC_FBIO.02	ALC_F.04	Adelphi Laboratory Center (ALC) - Main Site
GREEN	GREEN	GREEN	FALSE	GREEN	BMP fully credited by state and Bay Model	MD_FY17_942	ALC_FBIO.03	ALC_F.05	Adelphi Laboratory Center (ALC) - Main Site
GREEN	GREEN	GREEN	FALSE	GREEN	BMP fully credited by state and Bay Model	MD_FY17_943	ALC_FBIO.04	ALC_F.06	Adelphi Laboratory Center (ALC) - Main Site
GREEN	GREEN	GREEN	FALSE	GREEN	BMP fully credited by state and Bay Model	MD_FY17_944	ALC_FBIO.05	ALC_F.07	Adelphi Laboratory Center (ALC) - Main Site

Explanation for credit status

Intermediate credit status

Final credit status

AQ	AS	AU	AX	AY	AZ
Impervious Acres	Urban Acres	Rainfall	Built Date	BMP Inspection Status	Inspection Date
764.00			5/30/2016	Pass	5/30/2016
0.46			3/18/2011	Pass	8/4/2017
0.76			3/18/2011	Pass	8/4/2017
0.02	0.02			N/A	
0.24			9/14/2012	N/A	
1.49	2.44	1.00	9/30/2010	Pass	10/9/2013
0.69	0.69	1.00	11/30/2014	Pass	3/12/2015
0.07	0.37		9/28/1996	Pass	7/15/2011
0.06	0.31		9/28/1996	Pass	7/15/2011
0.12	0.58		9/28/1996	Pass	7/15/2011
0.05	0.27		9/28/1996	Pass	7/15/2011
0.06	0.31		9/28/1996	Pass	7/15/2011
		1.00	3/4/2012	N/A	
		1.00	4/2/2012	Pass	
		1.00	4/2/2012	Pass	
		1.00	4/5/2012	Pass	
		1.00	4/5/2012	Pass	
		1.00	4/5/2012	Fail	
		1.00	5/1/2014	N/A	
		1.00	5/1/2014	N/A	
		1.00	5/1/2014	N/A	
		1.00	5/1/2014	N/A	

Missing information

Assumed information

Yellow cells indicate no inspection reported within 5 years of present

# Interpreting Converted BMP Records

Installations are encouraged to review converted records to confirm that all information was correctly translated and is still valid.

[Blank]

Required information is missing (may also indicate a field that can maximize credit)

Assumed data

Data was converted from previously-provided information or state averages.

[Blank] or MM/DD/YYYY

Inspection or maintenance date does not fall within 3 (for MD) or 5 years (other states) of the present.

[Blank] or MM/DD/YYYY

Inspection or built date is within 3 (for MD) or 5 years (other states) of the present.

# How Crediting Report Results will be Used



**Communicate DoD efforts, needs, and concerns to leadership in the DoD community and Chesapeake Bay Program Partnership**



**Inform DoD progress evaluation in VA, MD, PA, and DC and future planning efforts for Phase III WIPs**



**Serve as the historical record for the FY2018 BMP datacall and BMP verification tracking**



# BMP Datacall

# FY2018 BMP Datacall

Purpose: To collect data about BMPs that reduce nutrient and sediment loads from installations.

Key dates:

- Release: **July 31** (via e-mail)
- Responses due: **August 31**
- AH/BC & DoD CBP will contact installations as records are reviewed (September).



# Data Requested

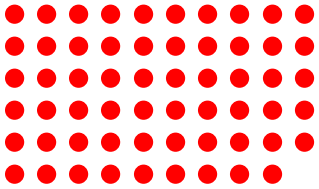
**STORMWATER MANAGEMENT PRACTICES, NATURAL RESOURCE PROJECTS, OR AGRICULTURAL PRACTICES IN THE FOLLOWING CATEGORIES:**

- **PROGRESS BMPS:** Implemented between July 1, 2017 and June 30, 2018 (state year 2018)
- **PLANNED BMPS:** Planned to be implemented between July 1, 2018 and June 30, 2025.  
\*\*\*New request in response to Phase III WIP Expectations
- **HISTORICAL BMPS:** Implemented prior to July 1, 2017
  - BMPs not previously-reported
  - BMPs with new or more complete data available
  - Review of BMP records converted to Phase 6 nomenclature
  - Inspection and maintenance data for historical BMPs **(Required)**

**All BMPs must be state or CBP-approved practices.**



# Inspection & Maintenance Dates



From the BMP crediting reports:  
Credit for **59 BMPs** expired due to missing or outdated inspection/maintenance dates.



- To maintain credit in the Model, inspection and maintenance dates must fall within **credit duration** of the BMP.
  - Inspection date is a required field in this year's datacall.
  - If an inspection is required before next year's datacall, the field will be outlined in red in the datacall spreadsheet.
- \*\*\*Note that MS4 permit requirements may require more frequent inspections than the credit duration.

# BMPs Requiring Multiple Measures

Certain BMPs have the potential for more credit.

BMPs that qualify as a Stormwater Performance Standard BMP can receive additional credit, such as:

Bioretention practices

Filtering practices

Swales

Permeable pavement

Wet ponds

Infiltration practices

Forest buffers

To report a BMP as a Stormwater Performance Standard (either Runoff Reduction or Stormwater Treatment), you must provide:

- (1) Total acres treated,
- (2) Impervious acres treated, and
- (3) Volume treated

# Structure of the Spreadsheet

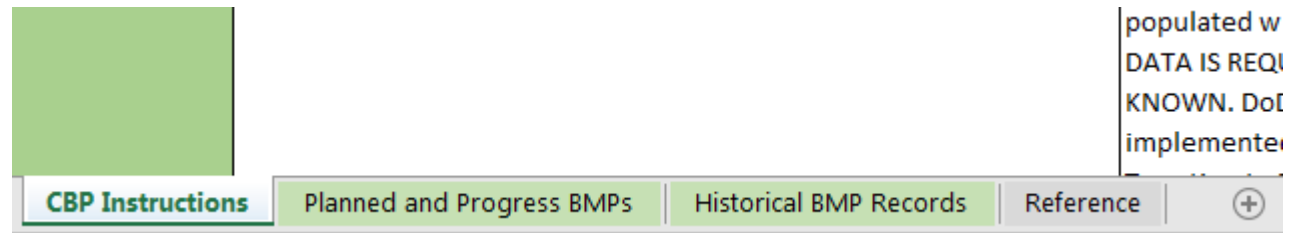
## (1) CBP Instructions sheet

## (2) BMP entry sheet requesting either:

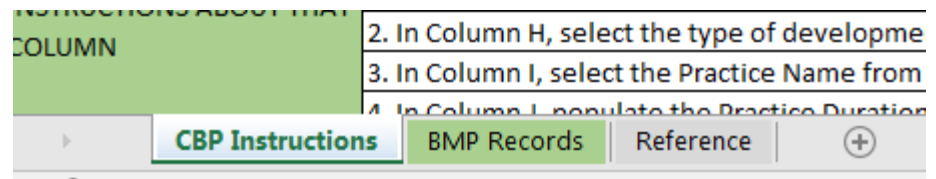
- Progress/planned BMPs on one sheet, Historical BMPs on another [MD, VA, PA, DC]
- All BMPs (historical, progress, planned) on one sheet [WV, NY]

## (3) Reference sheets

*Separate sheets for progress/planned and historical BMPs*



*One sheet for all BMPs*



# Locational Information

Latitude & longitude is the preferred location field.

- An estimated location will be required for historical, progress, and planned BMPs.
- You can estimate the latitude and longitude from online programs, such as Google Maps.
- If possible, provide estimates out to 4 decimal places.



# Other Data Requested

BMP Cost: needed to demonstrate DoD progress toward implementation goal of \$45M in state years 2018 and 2019.

- Two-Year Milestone Commitment

BMPs installed as a result of Integrated Natural Resources Planning: consult Natural Resource Managers to compile BMP records for natural BMPs, such as:

- Stream restoration
- Shoreline restoration
- Forest harvesting practices

