

Process

Reference Matrix

Inventory of source materials connecting CBP Watershed Agreement Outcomes to Local Government Priorities.

Thematic Outlines

Using Matrix, identified seven themes to develop modules around. Shared and refined based on collaborative input.

You are here

Draft Modules

Final Products

Developed seven modules, pulling in source material, additional research, interviews, and a lot of graphic design. Expert reviewers see each module at least twice. Drafting one pagers to accompany each module.

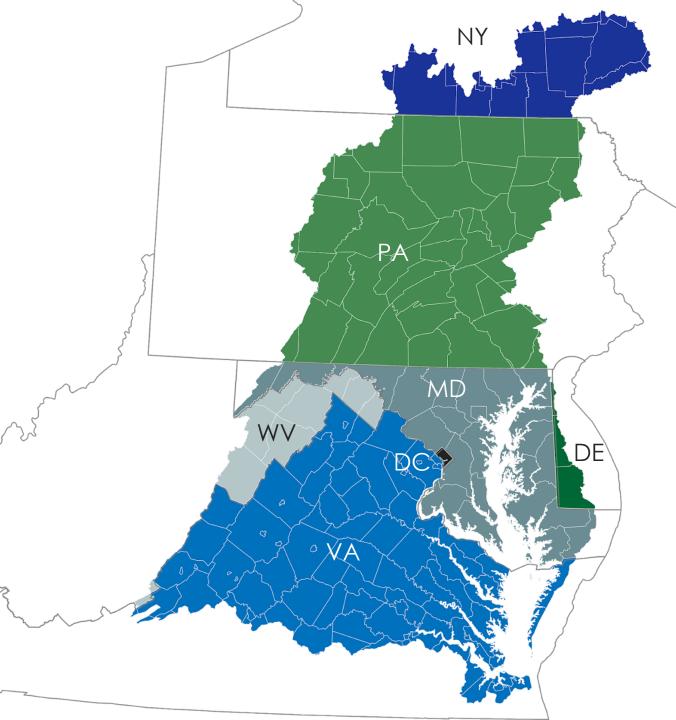
By the end of March, final versions of all modules, one pagers, overview materials will be delivered to the project coordinator, CBT, and CBP.

Empowering local decisions

A Local Government Guide to the Chesapeake Bay is a series of seven educational modules to inform and empower decision at local levels.

As a local leader, your decisions set the course for your community. Your actions determine the health and vitality of your jurisdiction, as well as that of your local waterways and the Chesapeake Bay. You can achieve mutually beneficial outcomes by prioritizing local economic development, infrastructure resiliency, public health, and education, while also protecting your environment.

Mhvs



About the modules

Developed as self-guided, very visual PowerPoint presentations. Each module is under 30 slides, <u>designed to be easily customized and shared</u>, along with a companion one-page handout. The icons below represent key local government priorities and are used throughout the modules to help you better understand how the information in the modules aligns with your specific priorities and interests.



Economic Development



Public Health & Safety



Infrastructure Maintenance & Finance



Education



Overview of Modules

And the modules are...



1. How Your Watershed Works

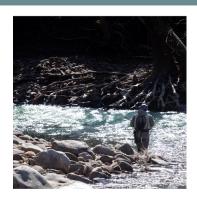
How Your Watershed Works provides foundational knowledge of the Chesapeake Bay watershed and water cycle and connects the importance of a healthy watershed to the economic development, public health and safety, infrastructure maintenance and finance, and education priorities of local government officials.



2. Foundations of Clean Water

Foundations of Clean Water provides an overview of the laws and agreements relevant to protecting and restoring the Chesapeake Bay. These protections are the foundations for healthy local waterways across the region.

Modules Overview



3. Clean Water for the Economy

Clean Water for the Economy highlights the economic importance of clean water and healthy habitats to lucrative fisheries, like blue crab and oyster, and recreational activities, like hunting, bird watching, and fishing.



4. The Benefits of Trees

The Benefits of Trees explains how tree canopy, forest buffers, and forest conservation can provide a broad spectrum of benefits for local communities, from economic development to significant public health and safety benefits.



5. Preserving Local Character and Landscapes

Preserving Local Character and Landscapes highlights the economic, ecological, cultural, and recreational value of the conserved landscapes around the Chesapeake Bay watershed to the people and communities of the region. Conserving these landscapes protects water quality, quality of life, and the many community values associated with these lands.

Modules Overview



6. Protecting Community Infrastructure Through Stormwater Resiliency

Protecting Community Infrastructure Through Stormwater Resiliency provides an overview on how managing stormwater runoff and increasing resiliency can mitigate flooding and flood-related damages to local community infrastructure, while also improving water quality.



7. Building the Workforce of Today and Tomorrow

Building the Workforce of Today and Tomorrow highlights the growth in stormwater management and green infrastructure projects and the importance of educating a strong and diverse workforce in operating and maintaining projects.

Module Features

The modules are developed to be cohesive but can be taken any order. For consistency, each identifies learning objectives, local case studies, and resources for local implementation.

- What You'll Learn learning objectives and questions that will be answered throughout the module.
- What You Can Do actionable items to engage your community and where applicable, financial assistance to support local actions.
- **To Learn More** additional resources for further learning about each of the module topics.

Each module references a variety of statistics and data to support its learning objectives. **Reference sources** for statistics, data, and photos can be found within the notes for each of the individual slides. **Glossaries** defining keywords can also be found at the end of each module.

Modules Overview

About

What is the Chesapeake Bay Program and how did it begin? What governs watershed protection and restoration efforts? What can I do to make my local waterways healthier?

What You Can Do



Establish a tree canopy goal for your community.

Engaging residents in creating and implementing a plan inspires them to be better stewards of their community.



Explore and diversify funding opportunities, like state and federal grants, stormwater management fees, and parks and recreation department funds.



Get residents involved! Use internship programs to supplement staff on planting projects, create tree membership societies, and explore opportunities to involve schools in stewardship activities.

To Learn More

- Chesapeake Bay Commission's <u>40th Anniversary Webinar recording</u> and presentation
 - Learn about the history of the Chesapeake Bay watershed protections
- Chesapeake Bay Program's <u>Restoring the Chesapeake Watershed</u>
 - Hear a brief overview of the formation and progress in this five-minute video
- Chesapeake Bay Program's <u>Understanding Chesapeake Bay Modeling</u>
 Tools: A history of updates, governance, policy and procedures
 - Explore TMDLs, the Chesapeake Bay Watershed Model, and more in this short document
- The EPA Administrators: Looking back at 50 years of environmental protection
 - Hear EPA administrators throughout history talk about their time at the EPA in a 7minute video

Overview One Pager

A Local Government Guide to the Chesapeake Bay EDUCATIONAL MODULES OVERVIEW

A Local Government Guide to the Chesapeake Bay is a seven-module series created by the Chesapeake Bay Program to support decision making by local officials. As a local leader, your decisions set the course for your community. Your actions determine the health and vitality of your jurisdiction, as well as that of your local waterways and the Chesapeake Bay, which spans more than 64,000 mi² and includes seven jurisdictions. You can achieve mutually beneficial outcomes by prioritizing local economic development, infrastructure resiliency, public health, and education, while also protecting your environment.

ABOUT THE MODULES

Each module is a self-guided PowerPoint presentation, designed to be easily customized and shared. The icons below represent key local government priorities and are used throughout the modules to help you better understand how the information in the modules aligns with your specific priorities and interests.



Economic Development



Public Health & Safety



Infrastructure Maintenance & Finance



Education

HOW TO USE THE MODULES

Each module is a self-guided PowerPoint presentation, designed to be easily customized and shared. All modules contain the slides listed below to identify learning objectives, local case studies, and resources for local implementation.

- . What You'll Learn provides learning objectives and questions that will be answered throughout the module.
- What You Can Do identifies actionable items to engage your community and where applicable, financial
 assistance to support local actions.
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A Local Government Guide to the Chesapeake Bay

EDUCATIONAL MODULES OVERVIEW

The modules include the following:



1. How Your Watershed Works

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Protecting Community Infrastructure Through Stormwater Resiliency provides an overview on how managing stormwater runoff and increasing resiliency can mitigate flooding and flood-related damages to local community infrastructure, while also improving water quality.

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History of Chesapeake Bay Protections

O1972

The Federal Water
Pollution Control Act of
1948 was amended
and became known as
the Clean Water Act.

O1987

Chesapeake Bay
Agreement called for a
Local Government
Advisory Committee to
be formed.

Q2009

Obama issues

Executive Order
recognizing the
Bay as a national
treasure. EPA was also
sued over
inadequate
Chesapeake Bay
protection measures.

Q 2014

Chesapeake Bay Watershed Agreement signed by representatives of the whole watershed, not just the Bay states.

The Chesapeake
Bay Program was
established under the first
Chesapeake Bay
Agreement with broad bipartisan support.

1983

<u>Participation Action</u>
<u>Plan signed</u>
(updated in 2002).

1996

As a settlement in the 2009 lawsuit, a legally enforceable agreement with EPA leads to federal pollution limits.

0 20

Statement in Support of

Diversity, Equity,

Inclusion, and

Justice

adopted.

Q2010

Living Shorelines

A living shoreline refers to a shoreline management practice or suite of stabilization and erosion control measures. A living shoreline can be non-structural with only vegetated and natural elements, or hybrid with vegetation plus hard structures such as stone sills. Benefits include reduced erosion, improved water quality, shoreline access for wildlife, visual appeal, and a lower cost than bulkheads and rock walls.



Sea levels are predicted to rise around the Bay, increasing erosion risk.

See how your area may be impacted with the Sea Level Rise Viewer. Learn more about whether sites in your community are a good fit for a living shoreline project with this guide from NOAA. If you want to move forward, these planning tools can get you started.



Module Reviewers

Module	Module Name	Subject Matter Expert/Bay Program	LLWG	LGAC
	ALL	Rachel Felver	Laura Cattell Noll	Jennifer Starr
		Kristin Saunders		
		Greg Barranco		
		Amy Handen		
		Emily Trentacoste		
1	How the Watershed Works	Scott Phillips, USGS	Shannon Moore	Ann Simonetti
			Jessica Trimble	Bruce Williams
2	Foundations of Clean Water	Carin Bisland	Martha Narvaez	Richard Baugh
			Andy Fellows	
3	Clean Water for the Economy	Gina Hunt	Nancy Nunn	Penny Gross
		Bruce Vogt	Jim Sullivan	
		Elliott Campbell		
		Kelly Shenk		
4	The Benefits of Trees	Julie Mawhorter	Heidi Bonnaffon	Patty Bubar
		Sally Claggett	Ben Alexandro	
		Katie Brownson		
5	Preserving Local Character and	Renee Thompson	Pam Shellenberger	Mark Dobbins
	Landscapes	John Griffin	Michelle Edwards	
		Jennifer Miller Herzog		
		Britt Slattery		
		Jonathan Doherty		
6	Protecting Community	David Wood	John Maleri	Andria McClellan
	Infrastructure Through Stormwater	Julie Reichert-Nguyen	Megan Lehman	
	Resiliency			
7	Developing the Workforce of	Matt Fleming	Matt Pennington	Don Philips
	Tomorrow	Beth Ginter	Mark Hoffman	Jasmine Gore
	Climate Call-out Boxes	Julie Reichert-Nguyen		
		Breck Sullivan		
		Katie Matta		
	DEIJ Call-out Boxes	Tuana Phillips		
		Briana Yancy		
		Ola-Imani Davis		

Next Steps & Questions

- Continuing to address edits, meet with experts to discuss, as needed
 - Developing associated module one-pagers
- We've begun final round of reviews
- Finalizing modules and delivering materials to the project team
- Module launch by CBP and partners

Questions and Comments welcome!

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