

Management Strategies

Timelines, Sufficiency, Process

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The Watershed Agreement made it clear that **four principles** would be critical to the success of our work:

Transparency | Accountability

Reliability | Relevance

Adaptive Management

One thing is sure.

We have to do something.

We have to do the best we know how at the moment...

If it doesn't turn out right, we can modify it as we go along

Franklin D. Roosevelt

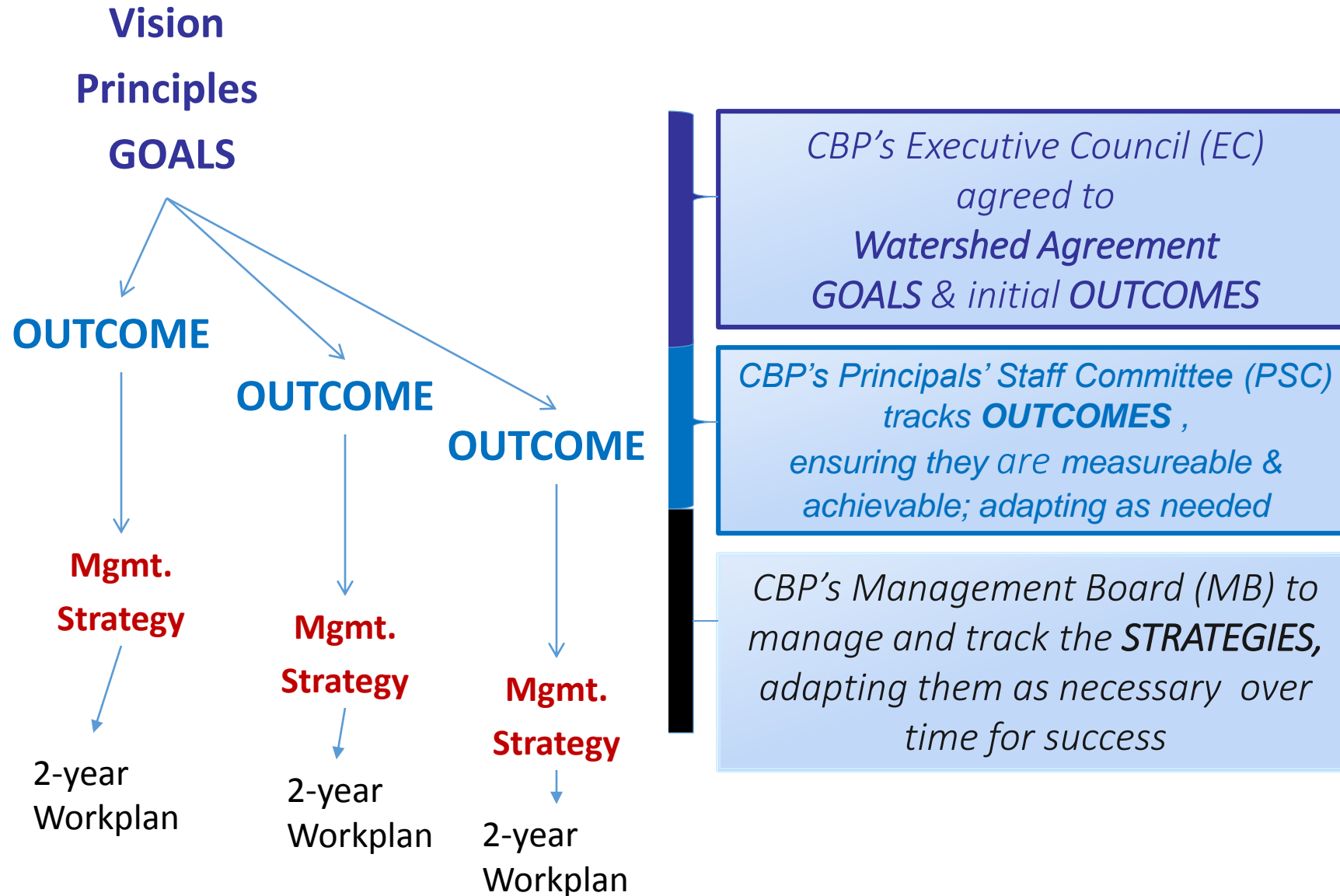
32nd President of the United States



Vision —

The Chesapeake Bay Program partners envision an environmentally and economically sustainable Chesapeake Bay watershed with clean water, abundant life, conserved lands and access to the water, a vibrant cultural heritage and a diversity of engaged citizens and stakeholders.

How partners are working. . .



What's Next?

Management strategy –

A single document that summarizes the Partnership's management process and the collective thinking for each outcome or related group of outcomes.



Key Elements of Management Strategies

1. Executive Summary

2. Outcomes and Baselines

3. Jurisdictions and agencies participating in the strategy

- **Local engagement**

4. Factors influencing ability to meet the goal/outcome

5. Current efforts and gaps

- **Actions, tools or technical support needed to empower local government and others**

6. Management Approach

- **Local engagement**

7. Monitoring Progress

8. Assessing Progress

9. Adaptively Manage

10. Biennial Workplan

- A summary of specific commitments, actions and resources each signatory and stakeholder will do to reach the two-year target for an outcome



Management Strategy Timeline		
Ensure drafts considered comments	Feb 2	<ul style="list-style-type: none"> • MB and Advisory Committee deadline for providing comments on preliminary drafts • Feb. 2- Mar. 2 – GITs/workgroups refine draft strategies
	March 2	<ul style="list-style-type: none"> • GITs/workgroups send revised strategies to the MB and Federal Agencies for sufficiency review
	March 6	<ul style="list-style-type: none"> • MB deadline for submitting <u>fatal flaw</u> comments to GITs/workgroups
	March 16	<ul style="list-style-type: none"> • Release management strategies for public input
Get out the vote	April 20	<ul style="list-style-type: none"> • Public input period closes
Ensure specific actions	May 4	<ul style="list-style-type: none"> • GITs/workgroups revise strategies and provide to MB for final review
	May 21	<ul style="list-style-type: none"> • PSC scheduled to meet
	June 15	<ul style="list-style-type: none"> • Final management strategies completed
	Dec.15	<ul style="list-style-type: none"> • First Biennial workplan due

Ensure drafts considered comments

Get out the vote

Ensure specific actions

Encourage your jurisdiction to participate in Workplans

Management Strategy Drafts

Green = Is on track to be ready for public input mid-February

Blue = Is on track to be ready for public input mid-March

Yellow = Needs accelerated effort to be ready for public input by mid-March

Goal		Outcome	Comments
Sustainable Fisheries	1.	Blue Crab Abundance Outcome	Initial draft developed based on existing reports; remaining drafting assigned on January 12th call. Workgroup will review full draft after remaining sections are compiled in late January.
		Blue Crab Management Outcome	
	2.	Oyster Outcome	Initial draft developed based on existing plans/reports; remaining drafting assigned on January 14th call. Workgroup will review full draft after remaining sections are compiled in late January.
	3.	Forage Fish Outcome	New outcome for GIT to address. STAC workshop took place in November; Full GIT discussed in December. Drafting team will convene in late January to refine outline and move forward with drafting. STAC workshop outcomes will be incorporated.
	4.	Fish Habitat Outcome	New outcome for GIT to address. Initial action team had a call in November; Full GIT discussed in December. Action team has refined outline and begun drafting. In-person work session will take place on February 10th.
Habitat	5.	Wetlands Outcome	In development—Workgroup discussed Jan 8th. Revised draft anticipated for team review week of January 12th
	6.	Black Duck	Initial call held Dec. 17 th ; working session scheduled for late January. Forage map compiled for team consideration.
	7.	Stream Health Outcome	In development—Drafting team discussed Jan. 6th and again Jan. 14th and Jan. 21st to refine working draft.
	8.	Brook Trout	In development—Phase 1 review requested by Dec. 31; awaiting input from WV, NY, VA & pilot model outputs.
	9.	Fish Passage Outcome	Draft reviewed by Fish Passage WG members in December; comments incorporated and revised draft ready for review

	1.	SAV Outcome	Early draft was based on previous strategy documents; lack of POC to coordinate review has resulted in delay.
	2.	Forest Buffer Outcome	MS being done in coordination with the RFB Initiative.
	3.	Tree Canopy Outcome	may be completed early
WQ	4.	2017 WIP Outcome	Expect early release for public comment and draft based on previous strategy documents (i.e. WIPs). All of the Management Strategy elements have been addressed in the current draft; currently in the process of incorporating comments for further refinement
		2025 WIP Outcome	
		Water Quality Standards Attainment & Monitoring Outcome	
Toxics	5.	Toxic Contaminants Research Outcome	Expect to have continued meetings through January to stay on track
	6.	Toxic Contaminants Policy and Prevention Outcome	Expect to have continued meetings through January to stay on track
Healthy Watersheds	7.	Healthy Watersheds Outcome	This MS builds upon previous Healthy Watersheds documents and efforts, as well as broad stakeholder meetings in 2014. It is currently being refined, and planned for on time Release.
Stewardship	8.	Citizen Stewardship Outcome	Draft in development. Next stakeholder/workgroup meeting scheduled for Feb 9th.
	9.	Local Leadership Outcome	Drafted with stakeholder input at a workshop and GIT review and comment. Out for broad comment now. Expect to convene workgroup to prioritize actions and revise draft
	10.	Diversity Outcome	Have had several meetings with stakeholders, and is out for comment to the Action Team and interested stakeholders

Land Conservation	1.	Protected Lands Outcome	Draft has been shared with Chesapeake Conservation Partnership and is undergoing Partnership review.
	2.	Land Use Methods and Metrics Development Outcome	Drafted by LUWG Chair and reviewed/edited by the LUWG.
	3.	Land Use Options Evaluation Outcome	Drafted based on input of a small group of key stakeholders.
Public Access	4.	Public Access Site Development Outcome	Expect early release. Draft has been shared and reviewed by signatory reps, workgroup and stakeholders.
Environmental Literacy	5.	Student Outcome	In development and will be ready for release in March.
		Sustainable Schools Outcome	
		Environmental Literacy Planning Outcome	
Climate Resiliency	6.	(Climate) Monitoring and Assessment Outcome	Early stage of development. Drafting teams met January 7th (adaptation) and 12th (Monitoring & Assessment). Current draft is the template that drafting teams are working from. A more complete draft will be released for Climate Change Workgroup review late-January and Management Board Review mid-February.

Goals and Outcomes

Sustainable Fisheries Goal



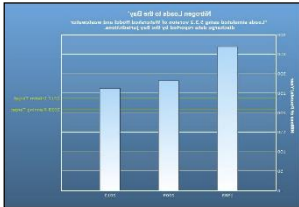
- *Blue Crab Abundance Outcome*
- *Blue Crab Management Outcome*
- *Oyster Outcome*
- *Forage Fish Outcome*
- *Fish Habitat Outcome*

Vital Habitat Goal



- *Wetlands Outcome*
 - *Black Duck*
- *Stream Health Outcome*
 - *Brook Trout*
- *Fish Passage Outcome*
- *SAV Outcome*
- *Forest Buffer Outcome*
- *Tree Canopy Outcome*

Water Quality Goal



- *2017 WIP Outcome*
- *2025 WIP Outcome*
- *Water Quality Standards Attainment and Monitoring Outcome*

Toxic Contaminants Goal



- *Toxic Contaminant Research Outcome*
- *Toxic Contaminant Policy and Prevention Outcome*

Healthy Watersheds Goal



- *Healthy Watersheds Outcome*

Stewardship Goal



- *Citizen Stewardship Outcome*
- *Local Leadership Outcome*
- *Diversity Outcome*

Goals and Outcomes

Land Conservation Goal



- *Protected Lands Outcome*
- *Land Use Methods and Metrics Development Outcome*
- *Land Use Options Evaluation Outcome*

Public Access Goal



- *Public Access Site Development Outcome*

Environmental Literacy



- *Student Outcome*
- *Sustainable Schools Outcome*
- *Environmental Literacy Planning Outcome*

Climate Resiliency



- *Monitoring and Assessment Outcome*
- *Adaptation Outcome*

Wetlands Management Strategy 60%

- Improve Reporting
- Prioritize areas for restoration
- Identify and solve barriers
- Increase technical understanding of factors of success
- Engage others on mutual issues

Stream Health Management Strategy 40%

- Adopt definition
- Explore indicators of success
- Use holistic approach to improve stream health
- Resolve issues related to permitting

Since last draft

- Great improvements through addressing Management Board and workgroup comments

Forest Buffer Management Strategy 75%

- For CREP: Update state Agreements, increase incentives and flexibility
- Leadership improve communications on importance for water quality and wildlife
- Updated trainings for CREP partners and NGOs
- Implement multi-faceted outreach strategy
- Look for multiple benefits with other outcomes

Since the last draft:

- Will convene one more meeting
- Incorporate State Task Force reports

Urban Tree Canopy Management Strategy 50%

- Provide technical assistance and training to local govts
- Develop funding partnerships
- Strengthen state incentive programs and policies
- Integrate planting in TMDL/WIP and stormwater programs
- Improve tracking

Since the last draft:

- Largely ready for public input

Water Quality Management Strategy 90%

- Implement WIPS and 2 year milestones
- Oversight of accountability framework
- Annually improve tracking and reporting
- Identify capacity for new incentives, regulatory programs
financial assistance, legislative authorities

Since the last draft:

- Setting up conference call with CAC to go over comments
- Addressed other Management Board and Water Quality goal
team comments

Citizen Stewardship Management Strategy 50%

- Provide financial investment
- Build local capacity for effective stewardship programs
- Set priorities
- Facilitate collaboration
- Provide communication, outreach and guidance

Since the last draft:

- Incorporating comments from stakeholders, Management Board members and advisory committees

Local Leadership Management Strategy 50%

- Increase frequency and consistency of training programs
- Peer to peer networking
- Expand on-line resources
- Improve knowledge management and transferability
- Establish best practices for interaction with less engaged locals
- Develop success metrics
- Improve K-12 education

Since the last draft:

- Incorporating comments from stakeholders, Management Board members and advisory committees
- Prioritizing actions

Diversity Management Strategy

60%

- Outreach and Communication
- Employment and Professional Engagement
- Environmental Justice
- Tracking and Assessment

Since the last draft:

- New draft was developed
- Working with other Goal Teams to incorporate diversity in other relevant management strategies (meeting 2/24)

Protected Lands Management Strategy 98%

- Identify and fill gaps in conservation priorities and connect systems
- Align land conservation priorities with funding opportunities
- Build constituency through partnerships
- Build Capacity of land trusts
- Increase funding and incentives of conservation and protection
- Increase public support for land conservation
- Engage youth and diverse communities

Since the last draft:

- Incorporating comments, but not much change

Public Access Management Strategy 95%

- Fill strategic gaps along water trails
- Incorporate proposed access sites into key plans
- Engage hydropower relicensing processes to expand public access
- Explore potential for additional access on public lands
- Enhance public access for a diverse population
- (see backgrounder for more)

Since the last draft:

- Incorporating comments

Environmental Literacy Management Strategy 60%

See Backgrounder

Since the last draft:

- Developing a diversity management action under the planning outcome
- States are working with broader stakeholder groups
- No revisions likely before going out for public input

See Backgrounder

Since the last draft:

- Major changes anticipated
- Integrated Monitoring and assessment outcome with Adaptation outcome
- Addressing comments
- Compiling more comprehensive inventory of efforts underway

An Accountability Framework

ChesapeakeStat

The Watershed Agreement made it clear that **four principles** would be critical to the success of our work:

Transparency | Accountability

Reliability | Relevance

Our stakeholders support these organizational goals.

Oversight groups want more information about our work.

And they want to access this information on the web.

How can **ChesapeakeStat** help them?

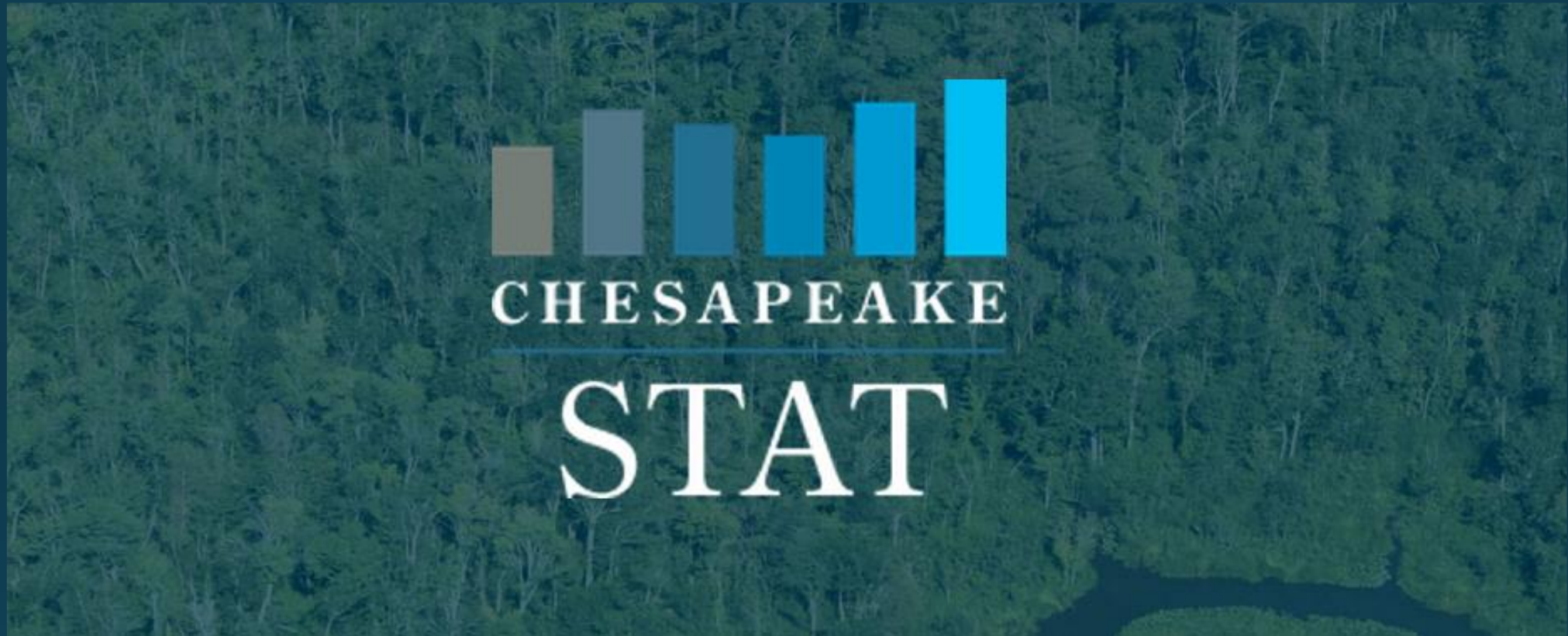
Our research revealed **opportunities:**

Users are familiar with the product and know it is a credible source.

And **challenges:**

Users find the product hard to navigate.

Some information is missing, while other information is hard to find.



So we have created something new.

An **accountability framework**.

A **gateway to web products** that will improve information-sharing and decision-making at the Chesapeake Bay Program.

A **communications product** that explains how we are governed, how we work and how we can be held accountable for what we do.



[About](#) [Chesapeake Bay Program](#) [Watershed Agreement](#) [Contact Us](#)

Managing Watershed Restoration

ChesapeakeStat improves information-sharing and decision-making at the Chesapeake Bay Program. As we work toward the goals of the Chesapeake Bay Watershed Agreement, we invite you to access reliable, results-oriented data and information about our progress and hold us accountable for our work.



CHESAPEAKE PROGRESS

Our progress is measured by accurate, up-to-date and accessible information on environmental health, habitat restoration and funding.



CHESAPEAKE DECISIONS

Our work is guided by a decision-making framework that supports adaptive management: learning while doing and adjusting our efforts as needed.



CHESAPEAKE DATA

Our decisions are influenced by a range of environmental data, which reach beyond those stories that are told by our indicators of environmental health and restoration success.



Access our TMDL [tracker](#), Two-Year Milestone [progress tool](#), Best Management Practice [review table](#), or Tracking Healthy Watersheds [tool](#).

[Learn more about the Watershed Agreement](#)





CHESAPEAKE
PROGRESS



CHESAPEAKE
DECISIONS



CHESAPEAKE
DATA

What's next?



Our progress toward the Watershed Agreement is measured by accurate, up-to-date and accessible information on environmental health, habitat restoration and funding.

ChesapeakeProgress will become home to the scientific **data and information** that make up our environmental indicators.

ChesapeakeBay.net will become home to **data-supported stories**.

And our **users** will be **better served**.



Doreen Vetter



Catherine Krikstan



Guy Stephens

Want to know more?
Our team is happy to help!



Oberazzi/Flickr

Questions?

Learn more at
[www.chesapeakebay.net/
watershedagreement](http://www.chesapeakebay.net/watershedagreement)

Join the discussions at
[www.chesapeakebay.net/
managementstrategies](http://www.chesapeakebay.net/managementstrategies)

