

2016-2017 Biennial Workplan for the Healthy Watersheds Outcome Management Strategy

Outcome: Healthy Watersheds
Goal: Healthy Watersheds
Outcome: One-hundred percent of state-identified healthy waters and watersheds remain healthy.
Long term Target: all remain healthy in perpetuity
2 year Target: Not applicable to this outcome

Management Approach 1: Tracking Healthy Waters and Watersheds

Key Action** <i>Description of work/project. Define each major action step on its own row. Identify specific program that will be used to achieve action.</i>	Performance Target(s) <i>Identify incremental steps to achieve Key Action.</i>	Participating Entity <i>Identify responsible partner for each step.</i>	Geographic Location	Timeline <i>Identify completion date (month & year) for each step</i>	Factors Influencing and/or Gap <i>Identify related factor or gap in Management Strategy</i>
1. Continue gathering inventory of healthy waters and watersheds					
Review and incorporate National Water Quality Assessment Program data and information.	Retrieve data and compare with State-identified Healthy waters and watersheds	USGS, CBPO GIS Staff	Chesapeake Bay Watershed	Current - Dec 2017	Tracking: Inventory of Healthy Watersheds
Healthy waters and watersheds in DC	Identify healthy watersheds Assess existing watersheds	DOEE - Water Quality Division	DC	Continuous Every other year	
Healthy waters and watersheds in MD	Update the baseline mapping of state-identified Tier II healthy waters and watersheds.	MDE	Statewide	1/1/2016, ongoing with new data and possible corrections	
	Explore a science-based process to potentially include additional healthy watersheds for protection as needed (e.g., for drinking water protection, sturgeon habitat).	MDE, DNR	Statewide	Mar 2017	
NYSDEC Division of Water maintains and regularly updates an inventory of high quality waters statewide	Water quality is monitored by collecting physical, chemical and biological samples from surface, groundwaters sediment, and organism across the state each year.	NYSDEC Division of Water Bureau of Water Assessment	State Wide	On Going	Tracking: Inventory of Healthy Watersheds

Continue gathering inventory of Healthy Waters in PA	Continue to regularly update DEP's publicly-accessible list of surface water segments where data has been evaluated to indicate the designation/existing uses of a waterbody. These are found on DEP's website: www.dep.state.pa.us (keyword: water quality) <i>[Designated or existing uses classified as Exceptional Value or High Quality are the basis for identifying PA's healthy waters.]</i>	PA DEP	Statewide	Ongoing	Tracking: Inventory of Healthy Watersheds
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Totals

2. Develop vulnerability information

Develop and implement a methodology to establish climate related goals and baselines for individual Chesapeake Bay Agreement Management Strategies such as the Healthy Watersheds Management Strategy.	Compile existing climate change vulnerability research and data, including available assessment products and tools.	STAR; Climate Resiliency Workgroup	Chesapeake Bay Watershed	Dec-17	Tracking: How are healthy watersheds doing? Vulnerability information, prioritization for protection.
	Work with the Climate Resiliency Workgroup to refine Climate Resiliency Analysis Decision Making matrix and recommend implementation process for applying matrix analysis and decision-making process to other Management Strategies such as the Healthy Watersheds Management Strategy.	Climate Resiliency Workgroup			Cross-cutting programmatic gap
Forecast land development scenarios	USGS will complete its Chesapeake Land Change Model so improved forecasts can be provided of areas where development will increase so states can assess the vulnerability of healthy watersheds and develop strategies to continue their protection.	CBPO and USGS	Chesapeake Bay Watershed	Current - Dec 2017	Tracking: How are healthy watersheds doing? Vulnerability information, assessment information
Utilize sea level rise/storm surge assessments	Review and incorporate findings from the North Atlantic Coast Comprehensive Study: Resilient Adaptation to Increasing Risk. This refers to Appendix A, Engineering.	USACE, Maintain Healthy Watersheds GIT, and CBPO GIS Team	Chesapeake Bay Watershed	Current - Dec 2017	Tracking: How are healthy watersheds doing? Vulnerability information, assessment information

Incorporate Energy Development Trends research into vulnerability assessment	Review and incorporate findings from the TNC study	TNC, Maintain Healthy Watersheds GIT, and CBPO GIS Team	PA and NY	Dec-17	Tracking: How are healthy watersheds doing? Vulnerability information, assessment information
	Review and incorporate findings from USGS Shale Gas Development Study.	USGS, Maintain Healthy Watersheds GIT, and CBPO GIS Team	PA portion of the watershed	Dec-17	Tracking: How are healthy watersheds doing? Vulnerability information, assessment information
Incorporate resiliency study	Review and incorporate findings from Habitat and Resiliency TNC study	TNC, Maintain Healthy Watersheds GIT, and CBPO GIS Team			Tracking: How are healthy watersheds doing? Vulnerability information, assessment information
Incorporate Resource Conservation Opportunity Areas	Incorporate the North Atlantic Landscape Conservation Cooperative work which identified RCOA's (Resource Conservation Opportunity Areas). This work is a roll-up of map layers that include climate resiliency information as well as development and other stressor information, to help managers hone in on the areas of greatest conservation (and restoration) opportunities for terrestrial and aquatic wildlife habitat. (see northatlanticlcc.org under "Projects")	USFWS, Maintain Healthy Watersheds GIT, and CBPO GIS Team			Tracking: How are healthy watersheds doing? prioritization for protection, assessment information
[From Land Use Methods and Metrics Development Workplan] Quantify impact of land conversion on healthy watersheds and habitats	Vulnerability to land conversions, both historical and future projections	CBPO, USGS, and LUWG	State-identified healthy watersheds	Dec-17	Tracking: How are healthy watersheds doing? prioritization for protection, assessment information
	Impact (relates to tracking health)			TBD	
	Phase 1: Develop and implement basic analysis tools and methodology to characterize vulnerability of healthy watersheds to specific, future high-level risks. Initial process to include watershed attributes such as impervious cover, forest cover, capacity status, and growth modeling analysis.	MDE, MDP, DNR	Statewide	Jan 2016	

Develop vulnerability information for healthy waters and watersheds in Maryland	Phase 2: Further develop and apply tools and methods to characterize vulnerability of healthy watersheds to specific, future high-level risks. Tools may additionally consider watershed condition, urban growth proximity/pressure, energy development trends, water demand forecasts, invasive species threats, upstream activities, land ownership type and plans, current transportation access, future transportation infrastructure plans, and other factors.	MDP, MDE, DNR	Statewide	Jan 2018	Tracking: How are healthy watersheds doing? Vulnerability information, prioritization for protection.
	Translate vulnerability analysis into quantifiable attributes/characteristics/factors, that can be used to determine a given watershed's ability to absorb additional impacts. Phase 1 risk analysis has identified 44 Tier II watersheds that are at risk of losing "healthy" status.	MDE, DNR	Statewide	Jul 2016	
Totals					
3. Prioritize Protection					
Assess protected status of healthy watersheds	TBD through cross-GIT tracking group.	Maintain Healthy Watersheds GIT			Tracking: How are healthy watersheds doing? Vulnerability information, prioritization for protection.
Compile and publish bi-annual Chesapeake Bay Protected Lands Dataset	1) Compile primary source datasets from authoritative partners	CBP GIS Team, NPS, Others?	Chesapeake Bay Watershed	Bi-annually (Next dataset Spring 2016)	
	2) Work towards continually tracking and refine/improve tracking process for protected lands data.	CBP GIS Team	Chesapeake Bay Watershed	Ongoing	Tracking: How are healthy watersheds doing? Vulnerability information, prioritization for protection.
	3) Overlay data with Healthy Watersheds and other partner conservation goals above to report on progress.				

Prioritize protection for healthy waters and watersheds in Maryland	Collaborate with other goal teams to compile information on State and Federal land protection priorities and determine overlap with high-risk healthy watersheds for additional protective measures when appropriate. This complements the Land Conservation Goal. Additional prioritization approaches may consider vulnerability, ecological, and other factors.	MD DNR, MDE, MDP, Habitat Goal Implementation Team	Statewide	Jan 2018	Tracking: How are healthy watersheds doing? Vulnerability information, prioritization for protection.
Totals					
4. Maintain and expand assessment activities and information					
Catalogue monitoring and modeling gaps for 4-5 select CB Agreement Management Strategies, including the Healthy Watersheds Management Strategy.	Work with STAR to determine current and future monitoring needs by geography, habitat type, and BMP and outline gaps at Workgroup or GIT level.	STAR	Chesapeake Bay Watershed	Dec-17	Coordination of modeling; Complexity of monitoring program
Cross-GIT Tracking	Form a cross-GIT tracking workgroup to work on: healthy watershed metrics, analyses of plans/protocol for determining status of each watershed in succeeding years, assessments of watershed protection priority, and exploring a method to track "marginally" healthy waters and watersheds.	Maintain Healthy Watersheds GIT in collaboration with STAR and other GITs such as Fisheries GIT and Habitat GIT	N/A		Tracking: How are healthy watersheds doing? Vulnerability information, prioritization for protection.

Landscape-scale assessments	Working with the Appalachian LCC's Landscape Conservation Design process and with stakeholders within Pennsylvania, further refine the initial Landscape Conservation Design produced in September 2015. This refinement would include conducting multi-scale assessments to help further refine the model results by identifying additional model input and to test the information against the ability of land and resource managers to use and incorporate the LCD data into their programs to assist decision-making.	EPA	PA	February 2016 - February 2017	Federal leadership: provide scientific, technical and policy tools to identify and protect healthy watersheds
Review results of high resolution imagery assesments to determine how to incorporate results for healthy watershed assesmnt.	Monitor progress of key actions related to high resolution imagery processing and work with LUWG to determine how data can be incorporated into a healthy waters and watershed tracking framework.	Healthy Watersheds GIT Staff, CBP GIS Team, Land Use Workgroup	Chesapeake Bay Watershed		Tracking: How are healthy watersheds doing? prioritization for protection, assessment information
Track forest cover	Track forest cover in HUC 8 watersheds (or smaller) and provide regular updates on forest gain/loss.	USFS	Chesapeake Bay Watershed		Tracking: How are healthy watersheds doing? prioritization for protection, assessment information
Apply Brook Trout Habitat Assessment tools to identify key high value brook trout habitat to conserve and those areas that are considered marginal and in need of restoration	Conduct GIS assessments of priority catchment to conserve	CBP GIS Team, Habitat GIT, Trout Unlimited PA Staff	Chesapeake Bay Watershed		Tracking: How are healthy watersheds doing? prioritization for protection, assessment information
Identify project opportunities for ecosystem restoration or other USACE mission areas	USACE, NFWF, and state partners will conduct the Chesapeake Bay Comprehensive Water Resources and Restoration Plan to identify project opportunities for ecosystem restoration and other USACE mission areas utilizing healthy watershed inventories, land cover datasets, and other data.	USACE, NFWF, Bay States	Chesapeake Bay Watershed	January 2016 - January 2018	Federal leadership: provide scientific, technical and policy tools to identify and protect healthy watersheds

Expand assessment activities and information for forests and forest conservation	Produce baseline information on forest cover using new high-resolution data.	FWG, CBP	Chesapeake Bay Watershed	Dec-17	Federal leadership: provide scientific, technical and policy tools to identify and protect healthy watersheds
	Create a new Chesapeake Bay Watershed map of priority forests to conserve for water quality.	FWG, CBP			Tracking: How are healthy watersheds doing? prioritization for protection, assessment information
	Conduct an analysis of offset requirements from a range of four afforestation scenarios coupled with protecting all large forest patches in areas most vulnerable to development.	USGS, FS, CBP			Tracking: How are healthy watersheds doing? prioritization for protection, assessment information
Fort Dupont Watershed Restoration NFWF Grant Project	Conduct Environmental Assessment in the Fort Dupont watershed that will include incorporating opportunities to implement low impact development activities in the public right of way, investigate the impact of targeted stream restoration work, and look at the feasibility for wetland restoration. In addition, conduct pre-restoration monitoring to determine baseline conditions.	DC Department of the Environment	Fort Dupont Watershed, Washington, D.C.	5 year effort	Tracking: How are healthy watersheds doing? Also potential inventory for new healthy watersheds in DC prioritization for protection, assessment information
Monitor Progress in Maryland	Develop a long-term strategy for sustainable monitoring of existing healthy watersheds.	DNR, MDE	Statewide	Jan 2017	Federal and State leadership: provide scientific, technical and policy tools to identify and protect healthy watersheds
	Expand stream monitoring in order to identify new healthy watersheds.	DNR, MDE	Statewide	Jan 2018	
	Integrate relevant data into the Bay Program's new tracking framework.	DNR, MDE	Statewide	ongoing	
Maintain and expand assessment activities in PA	Continue to track the Managing Communities metric as a performance measure to evaluate how well municipalities protect their forested watersheds through the use of forest protection ordinances, dedicated staff, and forest management planning.	PA DCNR Bureau of Forestry	Bay-wide	Ongoing	Federal and State leadership: provide scientific, technical and policy tools to identify and protect healthy watersheds
Totals					

Management Approach 2: Local Leadership - strengthen local commitment and capacity to protect their healthy watersheds

Key Action** <i>Description of work/project. Define each major action step on its own row. Identify specific program that will be used to achieve action.</i>	Performance Target(s) <i>Identify incremental steps to achieve Key Action.</i>	Participating Entity <i>Identify responsible partner for each step.</i>	Geographic Location	Timeline <i>Identify completion date (month & year) for each step</i>	Factors Influencing and/or Gap <i>Identify related factor or gap in Management Strategy</i>
1. Outreach, including: effectively conveying information on the status of healthy watersheds to local stakeholders	Work collectively to improve outreach strategies, and better "get the word out" across multiple Management Strategies to determine the best approaches and methods for reaching key stakeholders	Maintain Healthy Watersheds GIT in coordination with Local Government Advisory Committee (LGAC), Local Leadership workgroup, HW GIT and others	Chesapeake Bay Watershed	January 2016 - May 2016	Local Leadership: Local commitment and capacity to protect healthy watersheds
	Presentations about watershed protection at community events and meetings	DOEE	DC	current -	
	Work with schools on watershed restoration education and implementation projects	DOEE	DC	current -	
	Partner with NGOs to coordinate protection and communication efforts (This goal is not S.M.A.R.T. yet)	DNR, MDE, MDP	Statewide		
	Develop and implement communications to local communities to support integration of healthy watershed protection into local comprehensive plans.	DNR, MDE, MDP	Statewide	Jan 2017	
	Develop and implement outreach to communities to support directing some pollution reduction/mitigation activities (E.g. preservation, riparian buffer initiatives, reforestation, etc.) planned for large-scale TMDL development watersheds that contain healthy (sub)watersheds.	MDE	At least one of the following: Upper Choptank, Upper Chester, Patuxent River Middle, Patuxent River Lower, Gwynns Falls, Lower Choptank, Marshyhope Creek	Jan 2022	

	Provide outreach to local government, organizations, youth, agricultural producers, community leaders, as well as, state and federal agency staff. Through the Potomac Headwaters Home Rivers Initiative in West Virginia use brook trout as a charismatic indicator species for conservation of watersheds.	Trout Unlimited	Various locations	Ongoing	
	Continue to utilize state and national Environmental Education Curriculums such as Watershed Education, PA Land Choices, and Project WET to train teachers (formal and non-formal) and community leaders about clean water, sustainable land use practices, and watershed protection.	PA DCNR	PA	Ongoing	
					Totals
2. Identify the various tools that may be used, primarily by local governments, to protect healthy watersheds	Gather, summarize and place on the Chesapeake Bay Program website or other locations as determined in the Local Leadership Management Strategy approach for improving transfer of knowledge to locals, existing studies and reports on the costs, benefits and effectiveness of both local and state level land use policy options, incentives and planning tools.	Maintain Healthy Watersheds GIT through Land Use Options and Local Leadership Management Strategies	Chesapeake Bay Watershed and other areas that serve as models	January 2016 - December 2017	Local Leadership: Local commitment and capacity to protect healthy watersheds
	Finalize and implement guidance to protect healthy watersheds. Explore the necessity for updated antidegradation regulations.	MDE	Statewide	Jan 2018	Local Leadership: Local commitment and capacity to protect healthy watersheds
	Include healthy watershed protection in the Watershed Resources Registry, an existing multi-agency restoration and preservation targeting tool.	DNR	Statewide	Jan 2016	Local Leadership: Local commitment and capacity to protect healthy watersheds

	Add healthy watershed protection as a factor in growth offset policies.	DNR, MDE, MDP	Statewide	Jan 2017	Local Leadership: Local commitment and capacity to protect healthy watersheds	
	Support local green space planning and protection by incorporating conservation methods into other planning efforts (ex.- State Planning Board, county comprehensive plans, and local zoning ordinances)	PA DCNR, DEP, State Planning Board, local governments	Bay-wide	Ongoing		Local Leadership: Local commitment and capacity to protect healthy watersheds
	Healthy Watersheds TMDL Pilot Project Forestland Retention Study (Rappahanock River Basin) - Phase 2	TBD	VA and PA	2015-2016		Local Leadership: Local commitment and capacity to protect healthy watersheds
Total						
3. Leverage Funding	Use FWS grant programs like North American Wetlands Conservation Act grants, National Coastal Wetlands Conservation grants, and Section 6 Endangered Species Recovery Land Acquisition grants to leverage non-federal funds	FWS	Chesapeake Bay Watershed	FY2016	Federal and State leadership: provide scientific, technical and policy tools to identify and protect healthy watersheds	
	Incorporate healthy watershed protection into the RFPs and scoring tools used to award federal and state water quality grants.	DNR, MDE	Statewide	Jan 2017		
	Work with counties and municipalities to prioritize the use of open space funding under Act 13 to protect healthy watersheds.	PA DCNR	Bay-wide	Ongoing		
	Assist with the leverage of funding. Also, incentivize riparian and in-stream restoration projects, while engraining staff into the local community in an effort to change mindsets for the benefit of cold water resources.	Trout Unlimited	Various locations	Ongoing		

	Establish Healthy Watersheds Initiative as special funding category in Growing Greener (Environmental Stewardship) funding. Entities may apply for funding of projects directed at curtailing threats to waters designated as Exceptional Value, High Quality, and Class A Wild Trout.	PA DEP	Bay-wide	Ongoing	
					Totals

Management Approach 3: Federal and State Leadership

Key Action** <i>Description of work/project. Define each major action step on its own row. Identify specific program that will be used to achieve action.</i>	Performance Target(s) <i>Identify incremental steps to achieve Key Action.</i>	Participating Entity <i>Identify responsible partner for each step.</i>	Geographic Location	Timeline <i>Identify completion date (month & year) for each step</i>	Factors Influencing and/or Gap <i>Identify related factor or gap in Management Strategy</i>
1. Leverage Funding	Use FWS grant programs like North American Wetlands Conservation Act grants, National Coastal Wetlands Conservation grants, and Section 6 Endangered Species Recovery Land Acquisition grants to leverage non-federal funds	FWS	Chesapeake Bay Watershed	FY2016	
	Secure Watershed Protection Grants	DOEE	DC	current -	
	Continue to work with NRCS to prioritize Farm Bill program funding to benefit forested watershed lands through programs such as EQIP, CSP, Healthy Forests, and others	PA DEP, DCNR	Bay-wide	Ongoing	
					Totals
	Reinstitute the Mid-Atlantic Highlands Action Program	FWS, EPA R3	Blue Ridge, Ridge & Valley, & Appalachian Plateau in VA, WV, MD, & PA	FY2016	

2. Implement new or improve existing policy/programs/research	Continue integrating healthy watershed protection into EPA water programs. Thus far EPA has made progress on integrating protection in the 319 program, 303(d) program and into source water protection.	EPA		
	Share information on newly launched Healthy Watersheds Consortium Grant and annual opportunities for states and others to submit proposals for subgrants	EPA HQ		
	Engage with federal agencies other than EPA (such as FERC and DOT) to leverage opportunities within those agencies so that they can set the stage for state and local governments to further healthy watershed protection.	Maintain Healthy Watersheds GIT, EPA Chesapeake Bay Program, EPA Region 3, FERC, DOT	Chesapeake Bay Watershed	January 2016 - January 2018
	Continue to manage USACE reservoirs and recreational facilities to protect, preserve, and restore significant ecological resources by managing natural resources in a healthy and sustainable condition, fostering healthy lands and waters by balancing public uses and needs, and providing public outdoor recreational opportunities.	USACE	Chesapeake Bay Watershed	Ongoing
Riversmart Homes Program	Educational and implementation program for homeowners to reduce stormwater runoff and increase tree canopy on private properties.	DC Department of the Environment	Washington, D.C.	current -
Tree Plantings	Increase tree canopy through street tree and other public property plantings.	DDOT Urban Forestry Administration	Washington, D.C.	current -
Public Space LID	Work with DDOT and NPS to maximize LID retrofits in targeted public space areas	DOEE	DC	current -

Open Space Conservation Plan	The Plan addresses open space conservation through the purchase of land, based on four critical priorities; Promoting Outdoor Recreation; Addressing Climate Change; Ensuring Clean Water, Air and Land for a Healthy Public and Vibrant Economy; and Protecting, Using and Conserving Our Natural Resources and Cultural Heritage.	NYSDEC / NYS OPRHP / NYS DAM / NYSDOT / NY Counties / EFC	State Wide	On Going	Federal and State leadership: provide scientific, technical and policy tools to identify and protect healthy watersheds
Dairy Comprehensive Nutrient Management Plan and engineer designs for CNMP related practices Funding Program	Address potential environmental impacts from dairy farms below 300 cows through the development or updating of a Comprehensive Nutrient Management Plan (CNMP). Further address the environmental impacts of small and medium dairies by providing partial funding for certain engineering services related to the development of Best Management Practices (BMPs)	NYSDEC / Cornell University PRO-DAIRY	State Wide	Currently funded through 2018	
Implement new or improve existing policy/programs/research in PA	Explore implementation of a statewide Forest Conservation Easement Program to protect healthy watersheds with clean water or safe drinking water funding.	PA DCNR, DEP	Bay-wide	2016-17	
	Establish a PA Riparian Forest Buffer Leadership Team	DCNR and DEP; PA state and local agencies, nonprofits, other stakeholders	Bay-wide	2016	
	Utilize existing Stream ReLeaf program for tracking buffer implementation	DEP and partners	Statewide	2016-17	
	Expand knowledge and access to Stream ReLeaf system in order to capture all existing buffers	DEP and partners	Statewide	2016-17	
				Totals	

Management Approach 4: Support State-based efforts

Key Action** <i>Description of work/project. Define each major action step on its own row. Identify specific program that will be used to achieve action.</i>	Performance Target(s) <i>Identify incremental steps to achieve Key Action.</i>	Participating Entity <i>Identify responsible partner for each step.</i>	Geographic Location	Timeline <i>Identify completion date (month & year) for each step</i>	Factors Influencing and/or Gap <i>Identify related factor or gap in Management Strategy</i>
1. Provide a valued forum for mutual learning and exploration	Continue meeting 2-4 times a year and at meetings continue hosting Case Study presentations related to healthy watershed protection/tracking	Maintain Healthy Watersheds GIT	N/A	Jan 2016 - Dec 2017	Local leadership / Supporting State based efforts
	Provide leadership as GIT Chair, Vice-Chair, Coordinator and Staff	TNC, MDP, USGS and CRC (respectively)	N/A		
	Host Youth Fair for Environmental Education	DOEE, DCPS, DCPCS, Non-profits	Anacostia Park	May-16	
	Continue to participate in the Bay Programs's GIT4.	MDE, MDP, DNR	Statewide	Jul 2018	
	Hold a PA Riparian Forest Buffer Summit including all interested PA Bay stakeholders, led by the Riparian Forest Buffer leadership team	DCNR and DEP	Bay-wide	2016	
Total					
2. Develop information resources and support communications	Provide messages and resources to CBP Communications staff	Maintain Healthy Watersheds GIT			Local leadership / Supporting State based efforts
	Share presentations, slides, pictures, graphics, to help partner agency staff prepare presentations, reports, etc. with effective healthy watersheds messages	Maintain Healthy Watersheds GIT			
	RiverSmart Homes Flyer Distribution	DOEE	DC	current -	
	Increase communication so that federal programs and agencies are more protective of state-identified healthy watersheds.	MDE, DNR, MDP	Statewide		
	Develop public outreach strategy that considers landowners' interests and values and encourages participation	DCNR and DEP	Statewide	2017	
Total					

3. Promote the science	Continue o work with the Chesapeake Bay Program and partners to quantify and incorporate conservation practices into the Chesapeake watershed modeling efforts and to explore how land use protections might be used to quantify future pollutant load reduction incentives for land conservation.	Maintain Healthy Watersheds GIT and Protected Lands group			Federal and State Leadership, local leadership and supporting state based efforts
					Total
Work collaboratively with Bay Program partners to identify legislative, budgetary and policy needs to advance the goals of the Chesapeake Bay Agreement. We will, in turn, pursue action within our member state General Assemblies and the United States Congress. (Per CBC Resolution #14-1)	Work with GIT to consider policy changes or legislative actions identified by the GIT.	CBC	PA, MD, VA	Ongoing	Political climate and budgets
					Total

****Note:** As a member of the Chesapeake Executive Council and a signatory to the Chesapeake Bay Watershed Agreement, the Chesapeake Bay Commission (CBC) functions as the legislative arm of the Chesapeake Bay Program working within Maryland, Pennsylvania and Virginia and at the federal level to identify specific Bay management concerns requiring intergovernmental coordination and cooperation. CBC makes recommendations to the federal, state and local governments on legislative and administrative actions necessary to effectuate coordinated and cooperative management for the Bay watershed. The Commission will work collaboratively with Bay Program partners to identify legislative, budgetary and policy needs to advance the key actions identified in this outcome and to anticipate those needed in the future. The CBC’s work is supported by the annual appropriations of its three member states totaling \$675,000 and is, on occasion, supplemented by project-specific grants.

Acronym Guide

- AACC – Anne Arundel Community College
- ACFHP - Atlantic Coast Fish Habitat Partnership
- ACJV – Atlantic Coast Joint Venture
- AgNPS – AGricultural Non-Point Source Pollution Model
- Appalachian LCC - Appalachian Landscape Conservation Cooperative
- ASTSWMO – Association of State and Territorial Solid Waste Management Officials
- BayFAST/CAST/MAST/VAST – Federal Assessment Scenario Tool/Chesapeake AST/Maryland AST/Virginia AST

BDJV – Black Duck Joint Venture
BKT – Brook trout
BMP – Best Management Practice
CAC – CBP Citizens’ Advisory Committee
CAFO – Concentrated Animal Feeding Operation
CB – Chesapeake Bay
CBC – Chesapeake Bay Commission
CBF – Chesapeake Bay Foundation
CBIBS – Chesapeake Bay Interpretive Buoy System
CBIG – Chesapeake Bay Implementation Grants
CBP – Chesapeake Bay Program
CBPO – Chesapeake Bay Program Office
CBRAP – Chesapeake Bay Regulatory and Accountability Program grants
CBSAC – Chesapeake Bay Stock Assessment Committee
CBSSC – Chesapeake Bay Sentinel Site Cooperative
CBT – Chesapeake Bay Trust
CCWC – Choose Clean Water Coalition
CEAP – Conservation Effects Assessment Project
Chessie BIBI – Chesapeake Bay Basin-wide Index of Biotic Integrity
CNMP – Comprehensive Nutrient Management Plan
CNU – Christopher Newport University
CRC – Chesapeake Research Consortium
CREP – Conservation Reserve Enhancement Program
CSN – Chesapeake Stormwater Network
CWA – Clean Water Act
DAT – CBP Diversity Action Team
DC – District of Columbia
DCNR – Pennsylvania Department of Conservation and Natural Resources
DE – Delaware
DEP – Department of Environment
DE DNREC – Delaware Department of Natural Resources and Environmental Control
DNR –Department of Natural Resources
DoD – Department of Defense
DOEE – Dist. Of Columbia Department of Energy and Environment
DOF – Department of Forestry
DOT – Department of Transportation
DST – Decision support tool
DU – Ducks Unlimited
EC – Chesapeake Executive Council
EJ SCREEN – Environmental Justice Screening and Mapping Tool
EO Strategy – Executive Order 13508 Strategy for Protecting and Restoring the Chesapeake Bay Watershed
EJ – Environmental Justice
EL – Environmental Learning
ELCSS – Environmental Literacy Challenge for Systemic Sustainability

ERP – Elizabeth River Partnership
EPA – Environmental Protection Agency
Ex Comm - Executive Committee of the Sustainable Fisheries GIT
FERC – Federal Energy Regulatory Commission
FOD – Chesapeake Bay Program Federal Office Directors
FTE – full time employee
FWG – Forest Work Group
FWS – Fish and Wildlife Service
GIS – Geographic Information System
GIT – CBP Goal Implementation Teams
GMU – George Mason University
GSA – General Services Administration
HBCUs – historically black colleges and universities
HSCD – EPA Hazardous Site Cleanup Division
HWGIT – Healthy Watershed Work Group
ICPRB – Interstate Commission on the Potomac River Basin
IPC – Interfaith Partners for the Chesapeake
LCC – Landscape Conservation Cooperatives
LGAC – CBP Local Government Advisory Committee
LL – Local Leadership
LU – Land Use
LUWG – Land Use Work Group
MATOS - Mid-Atlantic Telemetry Observing System
MB – CBP’s Management Board
MD - Maryland
MDE – Maryland Department of Environment
MDSG – Maryland Sea Grant
MOU – Memorandum of Understanding
MSP – Math Science Partnership
MS4 – Municipal Separate Storm Sewer System
MWCOG – Metropolitan Washington Council on Governments
MWEEs – Meaningful Watershed Educational Experiences
MWS – Master Watershed Stewards
NAAQS – National Ambient Air Quality Standards
NALCC - North Atlantic Landscape Conservation Cooperative
NATA – National Air Toxics Assessment
NCBO – NOAA Chesapeake Bay Office
NGO – Non-government organization
NEIEN – National Environmental Information Exchange Network
NERR – Chesapeake Bay National Estuarine Research Reserve
NFWF – National Fish and Wildlife Foundation
NOAA – National Oceanic and Atmospheric Administration
NP – National Parks
NPDES – National Pollutant Discharge Elimination System

NRCS – Natural Resources Conservation Service
NPS – National Park Service
NYS DEC – New York State Department of Environmental Control
ODU – Old Dominion University
ORES – Oyster Reef Ecosystem Services
ORP – Oyster Recovery Partnership
OSSE – Office of the State Superintendent of Education
PA – Pennsylvania
PA DEP – Pennsylvania Department of Environmental Protection
PCB – polychlorinated biphenyl
PMP -- Pollution Minimization Plan
PRFC – Potomac River Fisheries Commission
PSC – CBP's Principles' Staff Committee
QA – quality assurance
RFB – Riparian Forest Buffer
RMNs - Regional Monitoring Networks
SAV – Submerged Aquatic Vegetation
SERC - Smithsonian Environmental Research Center
SHWG – Stream Health Work Group
SRBC -- Susquehanna River Basin Commission
STAC – CBP Scientific and Technical Advisory Committee
STAR – CBP Scientific and Technical Assessment Research team
TCW – Toxics Contaminants Workgroup
TEA - Tidewater Ecosystem Assessment Division of MD DNR
TMDL – Total Maximum Daily Load
TNC – The Nature Conservancy
TSCA – Toxic Substance Control Act
UMBC – University of Maryland Baltimore County
UMCES – University of Maryland Center for Environmental Science
UMCES-CBL – University of Maryland Center for Environmental Science-Chesapeake Biological Lab
UMD – University of Maryland
USACE – U.S. Army Corps of Engineers
USDA – U.S. Department of Agriculture
USFWS – U.S. Fish and Wildlife Service
USFS – U.S. Forest Service
USGS – U.S. Geological Survey
UVA – University of Virginia
VA – Virginia
VCU – Virginia Commonwealth University
VA CZM – Virginia Coastal Zone Management
VBOE – Virginia Board of Education
VDGIF – Virginia Department of Game and Inland Fisheries
VIMS – Virginia Institute of Marine Science
Virginia DEQ – Virginia Department of Environmental Quality

VMRC – Virginia Marine Resources Commission

WG – work group

WIP – Watershed Implementation Plan

WQN - Water Quality Network