

Outcome: Land Use Options Evaluation

Goal: Conserve landscapes treasured by citizens in order to maintain water quality and habitat; sustain working forests, farms and maritime communities; and conserve lands of cultural, indigenous and community value.

Outcome: By the end of 2017, with the direct involvement of local governments or their representatives, evaluate policy options, incentives and planning tools that could assist them in continually improving their capacity to reduce the rate of conversion of agricultural lands, forests and wetlands as well as the rate of changing landscapes from more natural lands that soak up pollutants to those that are paved over, hardscaped or otherwise impervious. Strategies should be developed for supporting local governments' and others' efforts in reducing these rates by 2025 and beyond.

Management Approach 1: Determine the spectrum of existing land use "policy options, incentives and planning tools" currently being implemented at the local and state level.

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>
Conduct a detailed scope of work that includes important considerations, examples, estimated hours, and initial cost estimates to complete this management approach.	Applied for GIT FY ' 14 funding	HW GIT	N/A	early 2015	Technical Challenges
	Contract awarded to Tetra Tech	CBT and HW GIT Staff		Mid-2015	
	Finalized draft report	Tetra Tech, HW GIT Staff and Vice Chair		Late - 2015	
Evaluate existing Land Use policy options, incentives and planning tools to reduce the rate of conversion of agricultural lands, forest and wetlands.	Drafted GIT FY ' 15 Funding proposal	HW GIT Staff and Vice Chair	Chesapeake Bay region and other applicable regions	Sep-15	Technical Challenges
	Work with awardee to complete policy evaluation as outlined in MS	Contractor or RFP awardee		January 2016 - December 2016	
	Review results and evaluate next steps	HW Staff and small CBP partner group		2017	

Management Approach 2: 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".

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Conduct a detailed scope of work that includes important considerations, examples, estimated hours, and initial cost estimates to complete this management approach.	Applied for GIT FY ' 14 funding	HW GIT	N/A	early 2015	Technical Challenges
	Contract awarded to Tetra Tech	CBT and HW GIT Staff		Mid-2015	
	Finalized draft report	Tetra Tech, HW GIT Staff and Vice Chair		Late - 2015	
Integrate the results of GIT FY '15 Funding project, "Evaluation of land use policy options, incentives and planning tools..." into an agreed upon location to assist in outreach on this topic to local and state land use officials	Review results and evaluate next steps	HW GIT Staff and Vice Chair	N/A		Political and Educational Challenge; Also, ability to engage Local Governments
	Work with local leadership group and LGAC to review results and determine the best outreach mechanism	HW GIT Staff and Vice Chair, Local Leadership group, LGAC, CAC			
Link the results of the Land Use Methods and Metrics outcome to the Land Use Options Evaluation Workplan	Work with Healthy Watersheds GIT and Land Use Options Evaluation Management Strategy team to link the results of land use methods and metrics analyses and results to determine how best to assist communities in reducing the rate of conversion (the Land Use Options Goal)	HWGIT, CAC, LGAC, CBP Communications team, and other CBP identified partners	N/A		Cross-Outcome Collaboration; Technical Challenge

	Compile existing climate change vulnerability research and data, including available assessment products and tools.	STAR; Climate Resiliency Workgroup	Watershed	Dec-17	Vulnerability of the watershed
Explore the development and implementation of a methodology to establish climate related goals and baselines for individual Chesapeake Bay Agreement Management Strategies such as the Land Use Options Evaluation Management Strategy.	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 Land Use Options Evaluation Management Strategy.	Climate Resiliency Workgroup	Watershed	Dec-17	Cross-cutting programmatic gap

Management Approach 3: Survey local governments and interest groups to determine which of the “policy options, incentives and planning tools” implemented at the local or state level have been most effective at reducing land conversion rates; whether the compilation of existing studies and reports on “policy options, incentives and planning tools” placed on the Bay Program website or other location (under the second Management Approach) is sufficient to meet their needs; and if not, what more do they need to achieve a reduction in land conversion rates.

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Conduct a detailed scope of work that includes important considerations, examples, estimated hours, and initial cost estimates to complete this management approach.	Applied for GIT FY ' 14 funding	HW GIT	N/A	early 2015	Technical Challenges
	Contract awarded to Tetra Tech	CBT and HW GIT Staff		Late - 2015	
Review other local government outreach related outcome and actions items from across goal teams and work to assure there is a coordinated effort to obtain input from Local Governments and Stakeholders	Finalized draft report	Tetra Tech, HW GIT Staff and Vice Chair	N/A	Late - 2015	Cross-Outcome Challenge; Ability to engage Local Governments
	Meet with other GIT Staff	HW GIT Staff, other GIT Staff		Late - 2015	
	Determine whether some actions can be combined	Other GIT and HW Leadership		early - 2016	
	Work collaboratively toward multiple actions/outcomes	All		2016-2017	

Management Approach 4: Use the results of the first three Management Approach tasks to indicate whether additional work is needed to fulfill the evaluation component of this outcome and proceed with the strategy development component of this outcome.

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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

****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