CLIMATE RESILIENCY WORKGROUP PROCESS FOR PRIORITIZATION

Assessing Monitoring Needs For Workgroups

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Management Approach: Design Monitoring and Modeling Plan

Key Action (Description of work/project)	**Performance Target(s)** (Incremental steps to achieve Key Action)	**Participating Entity**	**Timeline** (completion date: month & year)
Catalogue monitoring and modeling gaps for 4 select Chesapeake Bay Agreement Management Strategies	Work with 4-select Workgroups to determine current and future monitoring needs by geography, habitat type, and BMP and outline gaps at Workgroup or GIT level.	**STAR**	Dec-17
	Outline gaps for watershed scale monitoring effort, including gaps related to monitoring of non-climate stressors that could exacerbate climate impacts to Chesapeake Bay habitat or BMPs.	**STAR**	Dec-17
Identify gap-filling solutions by expanding the Partnership to include identified ongoing or planned monitoring efforts of climate factors.	Explore the use of citizen-based monitoring networks.	**STAR**, Alliance for the CB	Dec-17
Develop a plan to fill identified gaps.	Identify costs associated with closing monitoring gaps.	**STAR**	Dec-17
	Identify agencies/organizations through which commitments could be sought to fund or participate in filling monitoring gaps.	**STAR**	Dec-17
	Identify geographical overlap in monitoring and modeling efforts to explore opportunities for cost saving efficiencies and integration of priorities to include climate factors.	**STAR**	Dec-17

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Management Approach: Develop a framework for engaging one-on-one with CB Partnership Goal Implementation Teams on climate-related management needs

Outcome Management Strategy	Baseline	Factor Influencing Success	Current Efforts & Gaps	Management Approach	Cross-Outcome Collaboration and Mutual Benefit	Adaptive Mgmt. & Monitoring Progress	No Mention	Rating
Water Quality		x		x	x	x		4
Black Duck		x	x	x		x		4
Brook Trout		x	x	x		x		4
Wetlands		x	x	x				3
Protected Lands		x	x	x				3
Public Access		x		x				2
Healthy Watersheds		x		x				2
Urban Tree Canopy			x	x				2
Blue Crab		x			x			2
Oyster Restoration		x			x			2
Fish Habitat		x			x			2
SAV		x						1
Diversity				x				1
Local Leadership		x						1
Fish Passage		x						1
Forage Fish		x						1
Toxics Research	x							1
Stream Health							x	0
Land Use Methods and Metrics							x	0
Land Use Options Evalations							x	0
Citizen Stewardship							x	0
Environmental Literacy							x	0
Toxics Prevention and Policy							x	0
Forest Buffer							x	0

X= climate change-related element

QUALITATIVE FACTOR OF RISK: INFLUENCE OF CLIMATE CHANGE ON GOAL ATTAINMENT

Goal	Outcome	Qualtitative Factor of Risk	Primary Climate Drivers
Water Quality	2025 WIP Outcome	Medium	SLR, T, P, EE
	WQ Attainment	High (over long-term)	SLR, T, P, EE
Healthy Watersheds	Healthy Waters	Varied response	T, P, EE
Vital Habitats	Black Duck	High	SLR
	Brook Trout	High	T, P
	Wetlands	Medium (non-tidal)/High (tidal)	SLR, P
	Stream Health	High	T, P
	SAV	HIgh	SLR, T, EE
	Forest Buffer	Medium	SLR, P, EE
	Urban Tree Canopy	Medium	T, P
Land Conservation	Protected Lands	Low - Medium	SLR
	Public Access	Low - Medium	SLR
Susainable Fisheries	Blue Crab	Medium	T
	Oyster Restoration	Medium	T, OA
	Fish Habitat	High	SLR, T, P, EE
	Forage Fish	High	SLR, T, P

GOAL	Outcomes	Management Strategy Climate Change Ranking	STAC Qualitative Factor of Risk	Planned CRWG/STAC/CBP Support Activies	2016-2018 STAR Monitoring Needs Assessment
Sustainable Fisheries	Blue Crab Abundance	Medium-Low	Medium	2017- STAC Adaptive Mgmt Wkshp	
	Blue Crab Management	Medium-Low	Medium	2017- STAC Adaptive Mgmt Wkshp	
	Oyster	Medium-Low	Medium	2017- STAC Adaptive Mgmt Wkshp/CRWG Meeing Focus (Ocean Acidification)	
	Forage Fish	Low	High		x
	Fish Habitat	Medium-Low	High		x
Water Quality	2017 WIP Outcome	High		2017 Midpoint Assessment	
	2025 WIP Outcome	Low	Medium	2017 Midpoint Assessment	
	WQ Attainment	Low	High		x
Healthy Watersheds	Healthy Watersheds	Medium-Low	Varied Response		
Protected Lands	Protected Lands	Medium	Low-Medium		
	Public Access	Medium-Low	Low-Medium		
Environmental Literacy	Student	Low	N/A		
	Sustainable Schools	Low	N/A		
	Environmental Lit. Planning	Low	N/A		
Vital Habitats Goal	Wetlands	Medium	Medium(non-tidal) High (tidal)	2016 Climate-Smart Habitat Wrkshp/2017 GIT Funding (Climate Indicator)	x
	SAV	Low	High	2017- STAC Adaptive Mgmt Wkshp/2016 Climate-Smart Habitat Wrkshp	x
	Black Duck	High	High		x
	Stream Health	Low	High		x
	Brook Trout	High	High		x
	Fish Passage	Low	N/A		
	Forest Buffer	Low	Medium		
	Tree Canopy	Medium-Low	Medium		
Toxic Contaminates	Toxics Research	Low	N/A		
	Policy and Prevention	Low	N/A		
Stewardship	Citizen Stewardship	Low	N/A		
	Local Leadership	Low	N/A		
	Diversity Outcome	Low	N/A	CRWG Meeting Focus (Diversity)	