Outcome: Blue Crab Abundance and Management

Goal: Sustainable Fisheries-Protect, restore and enhance finfish, shellfish and other living resources, their habitats and ecological relationships to sustain all fisheries and provide for a balanced ecosystem in the watershed and Bay.

Outcomes: Maintain a sustainable blue crab population based on the current 2012 target of 215 million adult females. Refine population targets through 2025 based on the best available science.

Manage for a stable and productive crab fishery including working with the industry, recreational crabbers and other stakeholders to improve commercial and recreational harvest accountability. By 2018, evaluate the establishment of a Bay-wide, allocation-based management framework with annual levels set by the jurisdictions for the purpose of accounting for and adjusting harvest by each jurisdiction.

Long term Target: Maintain a sustainable blue crab population according to targets determined by the best available science and evaluate an jurisdictional allocation framework.

2 year Target: Provide support for the annual winter dredge survey and the 2017 comprehensive stock assessment. Analyze the data from the dredge survey and stock assessment to determine the new target for blue crab abundance.

anagement Approach 1: Planning and implementing the next stock assessment.							
	Performance Target(s) Identify incremental steps to achieve	Participating Entity Identify responsible partner for		Timeline Identify completion	Factors Influencing and/or Gap Identify		
Define each major action step on its own row. Identify specific	Key Action.	each step.		date (month & year) for each step)	related factor or gap in Management Strategy		
Finalize plans for the next stock assessment.	the timeline for each component of	Fishery Managers (MD DNR, PRFC, VMRC), UMCES, VIMS, CBSAC	n/a	early 2016	Terms of reference have been finalized.		

Finalize plans for the next stock	Identify possible funding mechanisms to support the assessment.	MD DNR, PRFC, VMRC, NCBO	n/a	early-mid 2016	Stock assessment timeline will be influenced by funding availability.
assessment.	Review proposal and scope of work for the assessment and distribute funding to Principal Investigators.	MD DNR, PRFC, VMRC, NCBO	n/a	mid 2016	
Totals	3				
	Complete necessary research, modelling and analyses for the stock assessment.	UMCES, VIMS, MD DNR, VMRC	Maryland, Virginia, Potomac River	mid 2016 through 2017	
Conduct the next stock	Conduct regular check-ins with the Principal Investigators. Update the Fisheries GIT Executive Committee quarterly on progress.	NCBO and CBSAC	n/a	2016 and 2017	timeline will be influenced by funding
assessment and complete the stock assessment report.	Coordinate a review of the assessment results by CBSAC, interested scientists and Fisheries GIT members. Compile a summary of comments for discussion.	NCBO (lead), CBSAC	n/a	2017	
	Present and discuss the stock assessment results with stakeholders.	MD DNR, PRFC, VMRC, CBSAC	n/a	2017	

	Analyze the results of the Winter Dredge Survey and complete the 2016 and 2017 Blue Crab Advisory Reports.	CBSAC, NCBO	In/a	April-June 2016; April-June 2017	
	complete, discuss if the annual	CBSAC, MD DNR, PRFC, VMRC	In/a	late 2017 and early 2018	
Agreement. CBC will, in turn, pursue action within our member	lany nolicy legislative and/or	Chesapeake Bay Commission, MD DNR, PRFC, VMRC	MD, VA	Ongoing	

Management Approach 2: Evaluation of an Allocation-based Management Framework							
Key Action**	Performance Target(s)	Participating Entity	Geographic Location	Timeline	Factors Influencing		
	Maryland will continue to expand the pilot commercial electronic reporting project.		Maryland waters	Ongoing			
Work to improve harvest	reporting in 2016.	Potomac River	2016				
accountability within each management jurisdiction.	VMRC will continue promoting their commercial online reporting system.	VMRC	Virginia waters	Ongoing	High-quality harvest and effort data are essential for informing management decisions and reducing uncertainty.		
	Continue the discussion on recreational harvest and its impact on the fishery. Utilize ongoing scientific studies and existing reports.	MD DNR, PRFC, VMRC, CBSAC	Maryland, Virginia, Potomac River	Ongoing			
	Develop standards of harvest accountability to improve the accuracy of harvest data.	MD DNR, PRFC, VMRC, CBSAC	Maryland, Virginia, Potomac River	Ongoing			
				Total			

Develop a framework to assess the feasibility of using and calculating a Baywide Total Allowable Catch (TAC) of blue crabs.	Engage stakeholders and the public to identify concerns and/or support for exploring a potential Baywide TAC. Use their comments to help guide the evaluation of a TAC.	IIVID DNK. PKFC VIVIKC.	Maryland, Virginia, Potomac River	mid 2016 - by Sept 2016: Jurisdiction Advisory Committees will develop an initial list of questions, ideas and concerns to help guide the evaluation.	
	Compile the available, necessary harvest data from the three jurisdictions.	IMID DNR PREC VMRC	Maryland, Virginia, Potomac River	mid 2016	
	Work with the scientists on CBSAC to determine how to calculate a TAC based on the current reference points, harvest data and abundance data.	CBSAC. MD DNR. PRFC. VMRC	Maryland, Virginia, Potomac River	late 2016	
				Total	

	Compile a list of potential allocation methods.	IIVID DNK. PKFC VIVIKC.	Maryland, Virginia, Potomac River	early 2017	
	Determine which, if any, of the potential allocation methods have sufficient data to support them. Consult CBSAC scientists if needed.	IMID DNIR PREC VIMIRC (RSAC	Maryland, Virginia, Potomac River	early 2017	
to the jurisdictions. The feasibility evaluation may result in a recommendation NOT to pursue an allocation-based jurisdictional management approach.	jurisdictional advisory committees, to obtain public feedback on potential allocation methods, including the pros and cons of each	IMID DNR PREC VMRC	Maryland, Virginia, Potomac River	early and mid 2017 - Feb/March 2017: meet with advisory committees to discuss/review the potential allocation methods developed for consideration; - by June 2017: advisory committees will provide written feedback on those methods.	
	Identify available economic information and consider future data collection to better understand the quantitative value of the fishery and impacts of regulatory changes.		Maryland, Virginia, Potomac River	2016 and 2017	

CBSAC Members (as of April 2016)

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Acronyms

CBSAC Chesapeake Bay Stock Assessment Committee Sustainable Fisheries Goal Implementation Team Fisheries GIT MD DNR Maryland Department of Natural Resources

NCBO NOAA Chesapeake Bay Office

NOAA National Oceanic and Atmospheric Administration

PRFC Potomac River Fisheries Commission

UMCES-CBL University of Maryland Center for Environmental Science-Chesapeake Biological Laboratory

VIMS Virginia Institute of Marine Science **VMRC** Virginia Marine Resources Commission