

Fish Habitat Outcome Logic Table and Work Plan

Primary Users: Goal Implementation Teams, Workgroups, and Management Board | **Secondary Audience:** Interested Internal or External Parties

Primary Purpose: To assist partners in thinking through the relationships between their actions and specific factors, existing programs and gaps (either new or identified in their Management Strategies) and to help workgroups and Goal Implementation Teams prepare to present significant findings related to these actions and/or factors, existing programs and gaps to the Management Board. | **Secondary Purpose:** To enable those who are not familiar with a workgroup to understand and trace the logic driving its actions.

Reminder: As you complete the table below, keep in mind that removing actions, adapting actions, or adding new actions may require you to adjust the high-level Management Approaches outlined in your Management Strategy (to ensure these approaches continue to represent the collection of actions below them).

Long-term Target: (the metric for success of Outcome):

Two-year Target: (increment of metric for success):

KEY: Use the following colors to indicate whether a Metric and Expected Response have been identified.	
Metric	Specific metrics have not been identified
	Metrics have been identified
Expected Response	No timeline for progress for this action has been specified
	Timeline has been specified

Factor	Current Efforts	Gap	Actions (critical in bold)	Metrics	Expected Response and Application	Learn/Adapt
<i>What is impacting our ability to achieve our outcome?</i>	<i>What current efforts are addressing this factor?</i>	<i>What further efforts or information are needed to fully address this factor?</i>	<i>What actions are essential to achieve our outcome?</i>	<i>Optional: Do we have a measure of progress? How do we know if we have achieved the intended result?</i>	<i>Optional: What effects do we expect to see as a result of this action, when, and what is the anticipated application of these changes?</i>	<i>Optional: What did we learn from taking this action? How will this lesson impact our work?</i>
Partner Coordination: Engaging partners, local organizations and government to develop and conduct a Fish Habitat Workshop to inform a potential Chesapeake Bay fish habitat assessment.	N/A	Coordination and planning meetings with the Fish Habitat Workshop Steering Committee and partner coordination to reach out to these audiences and analyze response.	1.1 , 2.1 , 4.1			
Government Agency, Nongovernmental organization, and local engagement: Acquiring and analyzing feedback and utility for fish habitat decision-making tools and datasets. Ensuring that fish habitat restoration and conservation practitioners have access to available resources.	Large variety of tools and datasets exist.	Feedback from local community members, organizations, and government officials are needed to inform the workshop approach and demonstrate what datasets and tools would be beneficial in supporting restoration and conservation efforts. Need to communicate these resources to the practitioners who could utilize them for the protection, creation and enhancement of fish habitat.	1.2 , 2.1 , 4.1 , 4.2			
Scientific and Technical Understanding: Compiling a comprehensive listing of available fish habitat datasets and tools. Conducting research to close	A preliminary Fish Habitat Spatial and Data Tools Inventory exists through the Fish Habitat Action Team. Funding for a shoreline threshold study which will	Within the Chesapeake Bay, there are numerous tools and datasets that can be used to inform restoration and conservation efforts, however, finding the most	1.1 , 1.2 , 2.1 , 3.1, 5.1			

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data gaps on less data-rich areas.	target nearshore areas that are often underrepresented in long-term fish and benthic species surveys.	relevant resource can be challenging for practitioners. Through researching and compiling this information into a single location and incorporating practitioner needs, we can ensure that these resources are utilized to improve fish habitat efforts in the Chesapeake Bay.				

WORK PLAN ACTIONS

Green - action has been completed or is moving forward as planned **Yellow** - action has encountered minor obstacles

Red - action has not been taken or has encountered a serious barrier

Action #	Description	Performance Target(s)	Responsible Party (or Parties)	Geographic Location	Expected Timeline
Management Approach 1: Identify and prioritize threats to fish habitat at the jurisdictional and Baywide scale and propose actions to manage the threats.					
1.1	Plan a fish habitat workshop to evaluate habitat conditions and stressors in the Chesapeake Bay.	Fish Habitat Workshop Steering Committee will meet regularly to develop workshop structure, agenda, participant list, and refine expectations for deliverables.	Fish Habitat Workshop Steering Committee	Baywide	March 2018

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Action #	Description	Performance Target(s)	Responsible Party (or Parties)	Geographic Location	Expected Timeline
		Compile fish habitat dataset metadata to identify stressors and assess fish habitat condition for a Chesapeake Bay regional fish habitat assessment.	USGS, NOAA, Fish Habitat Workshop Steering Committee, Fish Habitat Action Team	Baywide	March 2018
1.2	Complete the Shoreline Threshold Condition study, communicate the results, and identify management implications.	Complete the Shoreline Threshold Condition study and consider how the results can be applied to shoreline management.	Winning bidder, Forage Action Team and Fish Habitat Action Teams	Baywide	February 2019 (study completion date)
		Present results of study at the semi-annual Sustainable Fisheries GIT Meeting.	SFGIT	Baywide	June 2019
		Share results with the contacts for the Fish Habitat Watershed Implementation Plan Fact Sheet or create other tools for community planners/managers.	Fish Habitat Action Team, Forage Action Team, Habitat GIT	Baywide	Fall 2019
Management Approach 2: Compile and identify available data on habitats, habitat vulnerabilities and fish utilization at different life stages to develop a set of criteria for identifying areas of high-value fish habitat.					
2.1	Convene the fish habitat workshop. Draft a workshop report and associated workshop deliverables.	Prepare pre-workshop materials to facilitate discussions and provide examples of national and regional fish habitat assessments.	USGS, NOAA, Fish Habitat Workshop Steering Committee	Baywide	April 2018
		Convene fish habitat workshop participants and use participant expertise to prioritize compiled datasets for use in a Chesapeake Bay regional fish habitat assessment and determine weighing and scaling of data needs.	Fish Habitat Workshop Steering Committee and Workshop Participants	Baywide	April 2018
		Draft a workshop report and workshop deliverables to capture discussion, actions, local fish habitat needs, and fish habitat assessment development and prioritization.	Fish Habitat Workshop Steering Committee	Baywide	August 2018

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		Develop a strategy for implementing recommendations from the Fish Habitat Workshop and the survey to local communities, agencies, and organizations.	Fish Habitat Workshop Steering Committee, Fish Habitat Action Team	Baywide	February 2019
Management Approach 3: Map and target high-value fish habitat for improved conservation and restoration. Partners will work with the science and management community to develop spatial tools for priority habitats and species to inform management decisions.					
3.1	Explore options for overlaying fish habitat assessment datasets in a geospatial context.	Work with NOAA and USGS to collect and build a geodatabase from data selected and prioritized at the fish habitat workshop	NOAA, USGS, Fish Habitat Workshop Steering Committee	Baywide	February 2019
Management Approach 4: Communicate importance of fish habitat to the general public and local community leaders by engaging in a conversation about the tradeoffs associated with competing uses of land and water.					
4.1	Assess fish habitat data and tool needs from local communities and government officials. Engage, assess and communicate fish habitat needs with CBP partners and local communities.	Request input from local groups (including LGAC and CAC) to assess fish habitat data and tool needs to assist in on-the-ground restoration as well as communication needs.	LGAC, CAC, Fish Habitat Workshop Steering Committee	Baywide	February 2018
		Utilize the local community and government agency fish habitat survey results to guide data acquisition and compilation for the fish habitat assessment.	LGAC, NOAA, USGS, Fish Habitat Workshop Steering Committee	Baywide	April 2018
4.2	Engage and communicate fish habitat with partners and stakeholders to communicate the value of habitat to people including ecosystem services.	Develop Watershed Implementation Plan communication materials and other strategic communication materials to inform and engage with local partners such as local communities, watershed implementation planners, and restoration practitioners.	Fish Habitat Action Team	Baywide	January 2018 (Complete WIP Fact Sheet); July 2018 (Workshop communication materials); ongoing
		Develop options for a fish habitat communications strategy that seeks to inform stakeholders and other parties about fish habitat research, tools, and other resources.	Fish Habitat Action Team	Baywide	Ongoing

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Management Approach 5: Evaluate ways to enhance fish habitat protection by reviewing examples from other regions (e.g., the Puget Sound Partnership) and actively engaging with the Atlantic Coast Fish Habitat Partnership.					
5.1	Research existing fish habitat assessments and incorporate feasible elements into the planning and organization of a Chesapeake Bay regional fish habitat assessment.	Collaborate with experts from the National, Northeast and Southeast regional assessments to determine how the steering committee can build off previous fish habitat assessments to identify needed datasets and develop an approach to conducting a regional Chesapeake Bay fish habitat assessment.	Fish Habitat Steering Committee, NFHP Fish Habitat Assessment experts	Baywide	Ongoing