Biennial Strategy Review System: Logic Table and Work Plan

Instructions: The following Logic Table should be used to articulate, document, and examine the reasoning behind your work toward an Outcome. Your reasoning—or logic—should be based on the Partnership's adaptive management decision framework. This table allows you to indicate the status of your management actions and denote which actions have or will play the biggest role in making progress.

Some Management Strategies and Work Plans will not immediately or easily fit into this analytical format. However, **all GITs should complete columns one through four** to bring consistency to and heighten the utility of these guiding documents. The remaining columns are recommended for those who are able to complete them. If you have any questions as you are completing this table, please contact SRS Team Coordinator Laura Free (free.laura@epa.gov).

The instructions below should be used to complete the table. An example table is available on the GIT 6 webpage under "Projects and Resources".

1. For the first round of strategic review (2017-2018): Use your existing Work Plan actions to complete the **Work Plan Actions** section first. Make sure to number each of the actions under a high-level Management Approach, as these numbers will provide a link between the work plan and the logic table above it. Use color to indicate the status of your actions: a green row indicates an action has been completed or is moving forward as planned; a yellow row indicates an action has encountered minor obstacles; and a red row indicates an action has not been taken or has encountered a serious barrier.
2. **Required:** In the column labeled **Factor**, list the significant factors (both positive and negative) that will or could affect your progress toward an Outcome. The most effective method to ensure logic flow is to list all your factors and then complete each row for each factor. Consult our Guide to Influencing Factors (Appendix B of the Quarterly Progress Meeting Guide on the GIT 6 webpage under "Projects and Resources") to ensure your list is reasonably comprehensive and has considered human and natural systems. Include any factors that were not mentioned in your original Management Strategy or Work Plan but should be addressed in any revised course of action. If an unmanageable factor significantly impacts your outcome (e.g., climate change), you might choose to list it here and describe how you are tracking (but not managing) that factor.
3. **Required:** In the column labeled **Current Efforts**, use keywords to describe existing programs or current efforts that other organizations are taking that happen to support your work to manage an influencing factor but would take place even without the influence or coordination of the Chesapeake Bay Program. You may also include current efforts by the Chesapeake Bay Program. Many of these current efforts may already be identified in your Management Strategy; you may choose to link the keywords used in this table to your Management Strategy document for additional context. You may also choose to include some of these efforts as actions in your work plan; if you do, please include the action's number and hyperlink.
4. **Required:** In the column labeled **Gap**, list any existing gap(s) left by those programs that may already be in place to address an influencing factor. These gaps should help determine the actions that should be taken by the Chesapeake Bay Program through the collective efforts of Goal Implementation Teams, Workgroups, and internal support teams like STAR, or the actions that should be taken by individual partners to support our collective work (e.g., a presentation of scientific findings by a federal agency to a Chesapeake Bay Program workgroup). These gaps may already be listed in your Management Strategy.
5. **Required:** In the column labeled **Actions**, list the number that corresponds to the action(s) you are taking to fill identified gaps in managing influencing factors. Include on a separate line those approaches and/or actions that may not be linked to an influencing factor. To help identify the action number, you may also include a few key words. Emphasize critical actions in **bold**.
6. **Optional:** In the column labeled **Metric**, describe any metric(s) or observation(s) that will be used to determine whether your management actions have achieved the intended result.
7. **Optional:** In the column labeled **Expected Response and Application**, briefly describe the expected effects and future application of your management actions. Include the timing and magnitude of any expected changes, whether these changes have occurred, and how these changes will influence your next steps
8. **Optional:** In the column labeled **Learn/Adapt**, describe what you learned from taking an action and how this lesson will impact your work plan or Management Strategy going forward.

Oyster Restoration 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
What is impacting our ability to achieve our outcome?	*What current efforts are addressing this factor?*	*What further efforts or information are needed to fully address this factor?*	*What actions are essential to achieve our outcome?*	*Optional: Do we have a measure of progress? How do we know if we have achieved the intended result?*	*Optional: What effects do we expect to see as a result of this action, when, and what is the anticipated application of these changes?*	*Optional: What did we learn from taking this action? How will this lesson impact our work?*
Legislative Engagement: Conduct permitting, state approvals of oyster restoration in MD and VA.	Frequent coordination with USACE and state agencies.	Continued planning and permitting applications for new tributaries.	**1.1, 1.2**			
Scientific and Technical Understanding: Evaluating bottom	Efforts to evaluate bottom type, water	Surveys and ground truthing for future	**1.1, 1.2**			

Factor	Current Efforts	Gap	Actions **(critical in bold)**	Metrics	Expected Response and Application	Learn/Adapt
What is impacting our ability to achieve our outcome?	*What current efforts are addressing this factor?*	*What further efforts or information are needed to fully address this factor?*	*What actions are essential to achieve our outcome?*	*Optional: Do we have a measure of progress? How do we know if we have achieved the intended result?*	*Optional: What effects do we expect to see as a result of this action, when, and what is the anticipated application of these changes?*	*Optional: What did we learn from taking this action? How will this lesson impact our work?*
conditions in selected tributaries for suitable oyster reef restoration. Conducting monitoring of restored sites.	quality and habitat conditions for successful oyster restoration.	restoration and monitoring efforts.				
Government Agency, Nongovernmental Organization Engagement, and Partner Coordination: Engaging partners and coordinating oyster reef restoration and monitoring at selected sites. Diverse stakeholder coordination is also key.	Partner coordination and engagement for existing and planned sites.	Further coordination is needed as the new tributary plans are established.	**1.1**, **1.2**			
Partner Coordination: Working with oyster interagency teams and CBP partners to communicate oyster restoration efforts.	Publish annual restoration and monitoring updates.	Coordinate release of data through states and Chesapeake Bay Program.	**2.1**			
Scientific and Technical Understanding: Conducting further research into shell budgets, cost-effective oyster monitoring plans, and baywide stock estimate.	Conducting an Oyster Budget Study, and coordinating with partners for further research.	Need more data and information to improve/enhance oyster restoration and monitoring efforts.	**2.2**			

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: Restoration planning and implementation.					
1.1	Maryland Interagency Team continues planning, restoration, and monitoring in selected tributaries in Maryland, pending funding.	Complete planting and construction in the Little Choptank and Tred Avon.	MD Oyster Interagency Workgroup	Little Choptank and Tred Avon	Ongoing
		Will review the State of Maryland's recommended selection of the remaining two tributaries in Maryland for endorsement	SFGIT	TBD, MD	TBD
		Develop blueprints for the final two selected Maryland tributaries.	MD Oyster Interagency Workgroup	TBD, MD	Ongoing
1.2	Virginia Interagency Team continue coordination of planning, restoration, and monitoring in selected tributaries in Virginia, pending funding.	Complete restoration in the Lafayette River.	SFGIT, VA Hampton Roads Workgroup	Lafayette	August 2018
		Complete the Lynnhaven Blueprint and continue restoration.	VA Hampton Roads Oyster Workgroup	VA	Ongoing
		Develop blueprints for the Lower York and the Great Wicomico.	Tidewater VA Oyster Workgroup	Lower York and Great Wicomico	Ongoing
		Finalize the tributary blueprint for the Piankatank and begin design for future construction.	Tidewater VA Oyster Workgroup	Piankatank	Ongoing
Management Approach 2: Coordinate and communicate oyster restoration progress and research.					
2.1	Coordinate and communicate oyster restoration decisions, planning, and progress through workgroup	Implement the streamlined workgroup structure in Virginia.	VA Hampton Roads and Tidewater Oyster Workgroups, SFGIT	VA	Ongoing
		Monitor restored reefs and deliver an annual monitoring report to evaluate performance of restored reefs per the Oyster Metrics.	NCBO, MD and VA Oyster Workgroups	MD and VA selected tributaries	Ongoing

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Action #	**Description**	**Performance Target(s)**	**Responsible Party (or Parties)**	**Geographic Location**	**Expected Timeline**
	discussions and publications.	Complete and coordinate distribution of annual MD and VA Implementation updates with Chesapeake Progress Dashboard annually.	SFGIT, Comms Team	MD and VA	December 2018
2.2	Complete research studies on oysters and share results with Interagency Teams and Sustainable Fisheries GIT.	Continue to track and report on Baywide Stock Assessment.	MD DNR, UMCES, SFGIT	Baywide	February 2019
		PI for the GIT-Funded Oyster Shell Budget study will present findings to the full GIT at biannual Fish GIT meeting.	SFGIT, VIMS	VA	June 2018
		Work with the PI for the GIT-Funded project to develop of a long-term oyster monitoring plan study to coordinate study objective, goals and deliverables.	Winning Bidder, SFGIT	Baywide	Feb. 2018 – Feb. 2019
		PI for the GIT-Funded Oyster Monitoring Plan study will present preliminary results to the full GIT at biannual Fish GIT meeting and to Interagency Teams.	Winning Bidder, SFGIT		December 2018