

QUARTERLY PROGRESS MEETING – November 2022
Chesapeake Bay Program
Presented by Climate Resiliency Workgroup (CRWG)



Climate Adaptation Outcome

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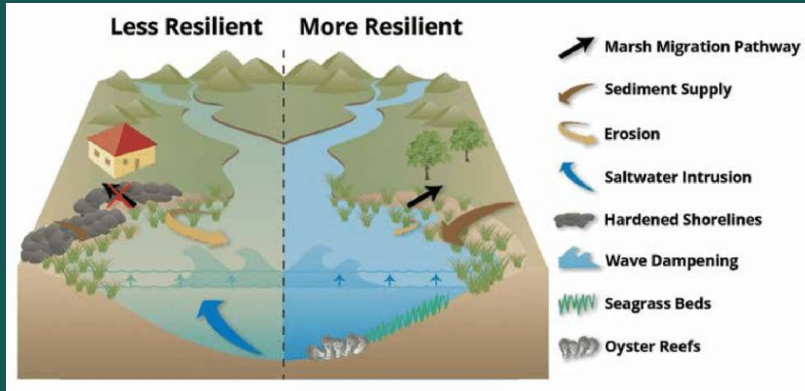
*Alex Gunnerson &
Amy Goldfischer,
CRC*

Through the Chesapeake Bay Watershed Agreement, the Chesapeake Bay Program has committed to...

Goal: *Climate Resiliency*

Adaptation Outcome:

Continually pursue, design, and construct restoration and protection projects to enhance the resiliency of Bay and aquatic ecosystems from the impacts of coastal erosion, coastal flooding, more intense and more frequent storms and sea-level rise.



Kister 2016 (Reprinted with permission from the Integration & Application Network, 2013.)



What is our Recent Progress?



RECENT PROGRESS
INCREASE

Progress: Increase

- CRWG GIT-funded “Partnership-Building and Identification of Collaborative Marsh Adaptation Projects” aims to identify marsh restoration and resilience research projects and potential partners to collaborate to apply for resilience funding.
- CRWG members supporting the MD Sea Grant Marsh Resilience Workshop aimed to provide guidance on resilience design considerations to enhance marsh persistence under changing climate conditions and identification of large-scale marsh restoration projects.

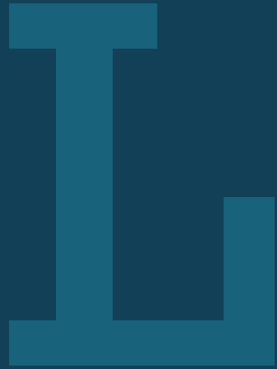


What is our Recent Outlook?



Outlook: Uncertain

- Near-term: Means to track implementation of individual climate adaptation-related projects:
 - Lack capacity to do this - likely need a way for partners to self-report projects.
- Long-term: Need metrics or methods to assess resilience enhancement overall (system-wide):
 - Likely need for long-term monitoring at climate adaptation project locations and/or analytical modeling support.



Learn

What have we learned in the last two years?

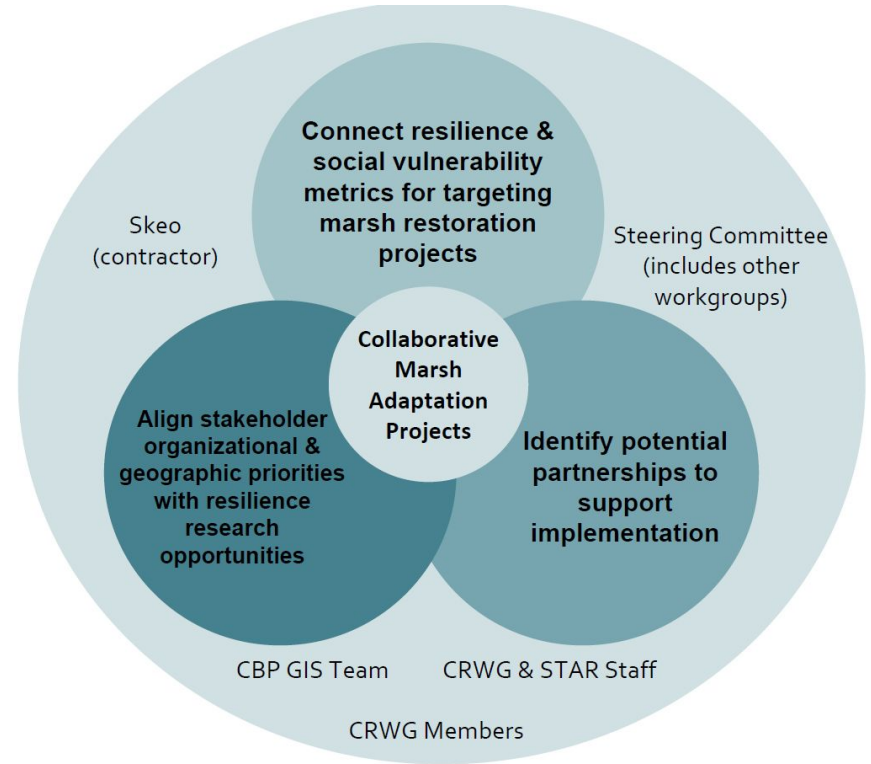


Successes: Adaptation Projects

- Supported targeted outreach for green infrastructure GIT-funded project with Habitat GIT
 - Worked with 4 communities that led to conceptual designs and groups supporting communities in pursuing grants.
- Supporting efforts for coastal wetland restoration as an adaptation strategy
 - Successful in getting GIT-Funding for Marsh Migration Data Synthesis and Partnership-Building for Collaborative Marsh Adaptation projects.

Successes: Partnership-Building for Collaborative Marsh Adaptation Projects

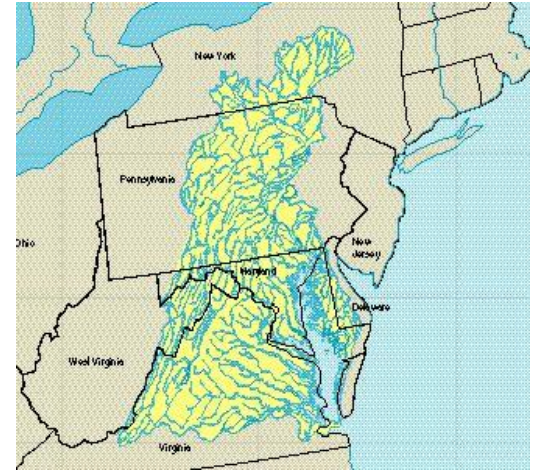
- Timeline: June 2022-September 2023
- Framework and metrics to support the identification of marsh adaptation projects.
- Stakeholder survey to increase understanding of partner marsh priorities.
- Workshop to identify projects and identify partners for 2 focus areas in MD and VA.





Challenges: Adaptation Tracking

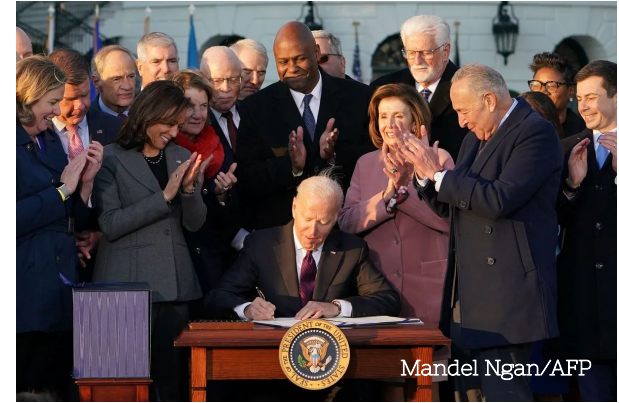
- Past efforts to track resilience were too broad in scope making it hard to develop an end product
 - Need to sort out how best to use the CRWG team to effectively track resilience enhancement - where can we add the most value? What is feasible?
- Narrowing the scope to focus on specific adaptation strategies (e.g., tidal wetlands) increased success in making progress on adaptation outcome.





On the Horizon

- Influx of resilience funding through Infrastructure Law and other funding sources:
 - Determine the role of the CRWG to support partners in being successful in getting funding and be more competitive for larger national grants.
- Establishment of the Executive Council Climate Change Directive:
 - Determine how the CRWG can support actions identified under the directive.



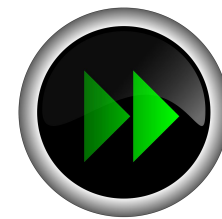


Adapt

How does all of this impact our work?



Based on what we learned, we plan to ...



- Support Habitat GIT in coordinating across CBP Partnership's coastal marsh resilience efforts.
- Identify groups planning or implementing coastal marsh restoration projects.
- Identify common resilience and social vulnerability metrics for selecting marsh restoration locations.
- Synthesize findings from various tidal wetland projects and workshops highlighting climate resilience considerations and build upon these to form recommendations.
- Provide advisory support to partners in applying for near-term resilience funding identified through the GIT-funded Marsh Adaptation Project.



Equitable and inclusive restoration ...



- The Targeted Outreach for Green Infrastructure project included outreach and conceptual designs with two underserved community areas and two tribes.
- The Marsh Adaptation Project incorporates goals to work with the Diversity Workgroup to identify and reach out to leaders of underrepresented groups to participate in stakeholder engagement efforts to identify projects. Also set aside a portion of the budget for compensation of their time.



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Fill the Gap

*How can the Management Board
help achieve the Outcome?*



Filling the Gap



- Continuing support of climate staffer position - allowed for greater capacity of the workgroup to engage in cross-GIT coordination and meetings.
- Provide list and point of contacts for tidal/coastal wetland projects being implemented or planned by your jurisdictions/organizations.
- Encourage your organizations to participate in the stakeholder outreach survey through the CRWG GIT-funded Marsh Adaptation project.
- Define process and who to report to regarding actions under the Climate Change Directive - who is responsible for overarching CBP coordination of directive's workplan?



Discussion

ChesapeakeProgress Icons



RECENT PROGRESS
INCREASE



RECENT PROGRESS
DECREASE



RECENT PROGRESS
NO CHANGE



RECENT PROGRESS
COMPLETED



OUTLOOK
ON COURSE



OUTLOOK
OFF COURSE



OUTLOOK
UNCERTAIN



OUTLOOK
COMPLETED