

Objective 5 (subaward)	<i>North Beach: Flood and Sea Level Rise Action Plan – Phase II</i>		
Narrative Summary of Outputs for this Objective:	This MOU will provide funding support to the Town of North Beach to develop a flood and sea level rise action plan. Action plan development will follow the framework created through a joint process with the Town of Chesapeake Beach and the University of Maryland Environmental Finance Center, which was funded by a previous Department investment. The action plan will be steered by a committee and include feedback gained through community engagement. Flood risks will be assessed and mapped and potential solutions will be identified. When completed, the plan should be approved by the town council and used to guide short, mid and long term projects to reduce flood risk.		
Description of Objective:	The Towns of Chesapeake Beach and North Beach (Towns) would like to enhance their capacity to understand, plan and implement projects that mitigate current and future flood impacts. The two Towns are neighboring communities in Calvert County situated directly on the Chesapeake Bay. Their proximity to the Chesapeake Bay, Fishing Creek and tidal wetland/marshes in conjunction with a high water table and shoreline erosion make them susceptible to tidal flooding, while the topography of the area can also make areas of the Towns susceptible to stormwater flooding during weather events. Given that the Towns have a common		

	<p>boundary, and face similar flood related challenges, they worked with the University of Maryland Environmental Finance Center to establish a common framework for a flood and sea level rise action plan in Phase I of this project. Phase I was supported by DNR through Coastal Zone Management Program funding.</p> <p>During Phase II, each municipality will develop an action plan utilizing the common framework and other supporting information completed in Phase I. The Phase I framework has been approved by both town councils and they are ready to proceed to developing the action plan. This MOU will support the Town of North Beach to complete Phase II. The Town of Chesapeake Beach will be supported through the Coastal Zone Management Program and be done concurrently.</p> <p>In Phase II each Town will produce an action plan that will identify and characterize both tidal and stormwater flooding using the best available science, assess the vulnerability of specific geographic areas in the community, recommend mitigation and adaptation options tailored to each area to address sea level rise impacts including flooding, and prepare implementation strategies.</p> <p>Program Change: This task will result in the Flood and Sea Level Rise Action Plan for North Beach. The plan should be approved by a Town's Council upon completion and be used to guide short, mid and long term projects to reduce flood risk.</p>
<p>Tasks Under this Objective:</p>	<p><u>Task 1. Formation of Steering Committee to guide Action Plan Development</u> The Town will form a steering or working group to guide the action plan development. This will include, but not be limited to, members of the Town staff, stormwater and flood advisory committee, neighborhood and business representatives, the Department, and other identified town stakeholders. July 15, 2021 - September 30, 2021</p> <p><u>Task 2. Flood Risk Mapping and Analysis</u> In coordination with the Town of Chesapeake Beach and the Eastern Shore GIS Cooperative, this task will support the creation and analysis of flood risk visualizations that evaluate current day flood risk and how that will change between now and 2050. These visualizations and analysis will serve as one of the key tools in guiding decisions in the action plan development in Task 3. January 1, 2022 - April 15, 2022</p> <p><u>Task 3. Flood and Sea Level Rise Action Plan</u> The Town will create a flood and sea level rise action plan using the framework and supporting information that was completed in Phase I and approved by the Town Council in April of 2021. Flood risk vulnerability maps will be updated and/or created as needed. Additionally, HAZUS may be run to estimate costs related to potential damage. Once vulnerable areas have been identified and prioritized projects, programs, and strategies will be identified to reduce flood risks.</p>

	<p>October 1, 2021 - June 30, 2023</p> <p><u>Task 4: Community Engagement (revised)</u></p> <p>A keystone of the action plan process is robust community engagement beyond the steering committee through the Phase I community engagement process recommendations/diagram. This plan and future projects will not be successful if the solutions are not developed with the input of residents, business and property owners, and Town staff and elected officials. The community engagement recommendations and process will be utilized and adapted to meet the Town needs. In addition, coordination with Chesapeake Beach and Calvert County will be essential to ensure that there are areas of jurisdictional overlap are addressed and there is consistency in approach.</p> <p>July 15, 2021 - June 30, 2023</p>
Specific Outputs for this Objective:	<p><u>Programmatic</u></p> <ul style="list-style-type: none"> • 1 steering committee formed • 1 Flood risk visualizations portfolio created • 1 final flood action plan developed • 5-10 community input/outreach opportunities <p><u>Administrative</u></p> <ul style="list-style-type: none"> • Progress reports submitted to the CBIG Manager by October 15, 2021; January 15, 2022; April 15, 2022; July 15, 2022 (revised); October 15, 2022; January 15, 2023, April 15, 2023, and June 30, 2023 (additional)
Outcomes for this Objective:	<p><u>2014 Chesapeake Bay Watershed Agreement Goals and Outcomes:</u></p> <p>Water Quality Goal Watershed Implementation Plan (WIP) Outcomes Climate Resiliency Goal Adaptation Outcome</p>
Link to EPA's Strategic Plan	<p>2018 – 2022 Strategic Plan https://www.epa.gov/planandbudget/strategicplan</p> <p>Goal 1 – A Clean, Healthier Environment Objective 1.2: Provide for Clean and Safe Water</p>
Link to Jurisdiction's WIP Commitment(s)	<p>A part of the action plan development process will include the identification of potential solutions and strategies to address flood risks. Nature-based approaches to be considered include green infrastructure systems. Green infrastructure is one of the approaches to be used by the County in addressing urban nutrient loads, per the Phase II WIP</p> <p>(https://mde.maryland.gov/programs/Water/TMDL/TMDLImplementation/Documents/DRAFT_PhaseII_Report_Docs/County_Docs/Calvert_DraftPhIIWIP.pdf; see page 13-15).</p>

Link to Priority Practices and/or Priority Watersheds	<p>Priority Practice(s)</p> <p>1. Which priority practice(s) will be implemented in this objective? This MOU will support the development of a flood and sea level rise action plan. This plan will identify potential options to reduce flood risk, including green infrastructure. However, this is a planning project, and no practices will be implemented during the MOU term.</p> <p>2. Please provide a short justification as to why the practice(s) is a priority for the location it is to be implemented. The practices identified will be a priority for the Town because they will reduce flood risk while providing co-benefits, such as water quality improvement.</p> <p>3. Which priority strategy(s) will be implemented in this objective? The practices identified in the action plan, if implemented, could assist the County in treating its impervious surfaces, as detailed in its Phase II WIP.</p> <p>Priority Watershed</p> <p>1. Which priority watershed will be addressed by this objective? The Town of North Beach is located within the West Chesapeake Bay watershed (HUC 02131005).</p> <p>2. Watershed considered priority by (please check one): <input type="checkbox"/> CBP Priority Agricultural Watersheds Map https://www.chesapeakebay.net/what/maps/keyword/agriculture <input type="checkbox"/> USDA Core 4 <input checked="" type="checkbox"/> Other (please include a short justification as to why this watershed is considered a priority) – The watershed was selected based on its flood risks and climate adaptation needs.</p> <p>3. Which priority strategy(s) will be implemented in this objective? The practices identified in the action plan, if implemented, could assist the County in treating its impervious surfaces, as detailed in its Phase II WIP.</p>
Progress for this Objective	<p><i>This section will be left blank in the work plan but will be completed for the progress reports.</i></p>

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