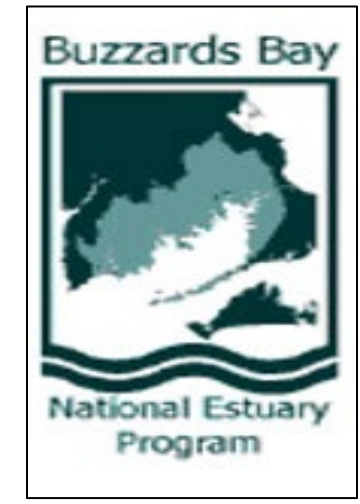


Remediating Stormwater and Building Climate Resilience on the Kempton Street Corridor



PROJECT PARTNERS



THE ISSUE

Progressive urbanization in the Buttonwood Brook watershed has produced negative impacts to water quality, both in the brook and in the coastal estuary it feeds. Pollutants from the brook promote excess algal growth, increase turbidity, and lower dissolved oxygen levels. These conditions create dead zones where aquatic organisms can't survive and threaten the economic viability of traditional livelihoods like shell fishing and tourism. Impervious cover also creates high peak flows that structurally damage stream habitat and create climate vulnerability for downstream communities that often experience localized flooding during extreme weather events.

WHAT WE'RE DOING

This project will help restore one of Buzzards Bay's most negatively impacted coastal streams flowing through the center of its most densely-developed, and disadvantaged communities. The project will implement a distributed network of site-scale Green Infrastructure and Nature Based Solutions to reduce the impact of urban stormwater runoff on stream and wetland resources. In addition to improving water quality, the project will bring a variety of social, environmental, and health related co-benefits by removing unnecessary impervious cover, restoring native plants and trees, and creating multi-functional green spaces that improve local air-quality, help to mitigate urban heat island effects, and improve quality of life for local residents. Altogether, project partners will leverage over \$3.7M in federal, state, and local funds toward implementation which will begin in June 2024 and be complete by Dec of 2025.



PROJECT FUNDING



LOCAL PARTNERS FINDING SOLUTIONS

This project highlights how communities benefit when non-profit organizations collaborate with municipal, state, and federal institutions to achieve a common goal. This transformative project was made possible thanks to funding from the City of New Bedford, the EPA Southeast New England Program, the American Rescue Plan Act (ARPA), the Buzzards Bay National Estuary Program (BBNEP), and the Massachusetts Municipal Vulnerability Preparedness Program and Clean Water State Revolving Fund.