



2023-24 GRANT SNAPSHOT

DIVISION OF COASTAL MANAGEMENT

RESILIENT COASTAL COMMUNITIES PROGRAM: PHASE 4

TOTAL # OF PROJECTS AWARDED: 5

GRANT FUNDS AWARDED: \$1,166,720.00

Local Government	Project	Grant Amount
Belhaven	The project proposes to improve overland flooding through improvements along Wynne's Gut. Improvements will include the creation of additional floodplain through grading improvements, erosion mitigation through vegetative plantings and the installation of a pump system and tidal gate along Wynne's Gut. The floodplain improvements will reduce flooding, while the pumps will lower the water elevation during high water events, particularly during increasingly routine nuisance flooding. Additional floodplain improvements include developing nature trails and other recreation areas, and/or installing natural levees. One nature-based floodplain improvement selected by the town is a constructed wetland at a town owned park.	\$263,200
City of New Bern	The Duffyfield Community Resilience Improvement Project is a multi-pronged hazard and flood mitigation initiative to build resiliency in the Duffyfield Community. New Bern is proposing the restoration and enhancement of the Duffyfield Canal retention basin as a flood control project that will provide valuable resiliency to the community. RCCP funds will be used to upsize the basin which will include basin excavation, erosion and sediment control and dewatering of the site. The portion of the site dedicated to the stormwater wetlands will also have to be cleared. Permanent seeding and littoral shelf planting will take place to create the wetlands. RCCP funds will be used for the stormwater wetlands creation, as well.	\$175,320
Pine Knoll Shores	This project will install roadside swales along both sides of the five Tree Streets (Cedar Rd., Holly Rd., Willow Rd., Yaupon Rd., Juniper Rd.) shown in the plan set. The swales will be paired with a fresh asphalt overlay that will provide a 2% crown (NCDOT standard) along the centerline of the roads to provide positive drainage off the road into the swales. These practices will provide space for stormwater to infiltrate in the vegetated right-of-way rather than using the street as a conduit. The intent is to reduce the volume of roadway-polluted stormwater reaching the valleys of these streets and in turn reduce chronic flooding.	\$215,000



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Vandemere	The proposed project seeks to improve drainage throughout the Town by improving undersized or aging culvert crossings, widening, and grading existing ditches, and removing sediment and debris accumulated over time. The proposed project incorporates nature-based elements by reconnecting portions of the Town's ditch system that were previously tidally influenced, reestablishing aquatic passage, capacity, and help with drainage during storm events. As well, the existing ditches are steep due to maintenance and erosion over time. The proposed project will regrade the ditches, increasing the vegetated surface area of the channel. In doing so, the contact time of stormwater and vegetated surfaces will increase, improving water quality. The project will also incorporate gray-green elements by using vegetated riprap in areas where additional bank stabilization is required. Planted riprap utilizes the density and resiliency of riprap to prevent erosion but utilizes interplanted grasses and vegetation to provide a method for water intake and additional stabilization. Preference for native grasses and plantings will be used to enhance resiliency and biodiversity.	\$250,000
Washington	This hybrid project, containing both nature-based and infrastructure components, proposes to improve the Jack's Creek floodplain and greenway to increase overland rainfall capacity and decrease flooding. Increasing the volumetric capacity of the Jack's Creek system will improve the city's ability to handle higher frequency rainfall events and will make the city more resilient. This project will help to reduce the potential for damage to nearby structures and assets, including road infrastructure and residential buildings, caused by these events, by incorporating additional volume into the system. This additional detention area will utilize land currently owned by the city to create volume for flood storage, but also will continue to serve a dual purpose as a public recreational area. The recreational area currently includes a greenway trail, rest areas, open space, and shading vegetation for public enjoyment which will be maintained in the design.	\$263,200