

Coastal Pollutant Remediation Grant Program Awards FY17

Municipality	Project Title	Requested Amount	Recommended Award
City of Medford	Creating a Stormwater Gravel Wetland to Improve River Herring Habitat	\$125,000	\$125,000
Town of Milton	Unquity Brook BMP Planning Project	\$17,752	\$17,752
Town of Plymouth	Great Herring Pond Stormwater Improvements: Eagle Hill Drive – Priority Sites 1 & 2	\$59,910	\$59,910
City of Salem	Winter Island Park Stormwater Remediation Project	\$78,680	\$78,680
Town of Yarmouth	Yarmouth Impaired Waters BMP Assessment and Implementation Project	\$64,950	\$64,950
		Total	\$346,292

City of Medford

Creating a Stormwater Gravel Wetland to Improve River Herring Habitat

Award: \$125,000

The City of Medford, in partnership with the Mystic River Watershed Association, will construct a stormwater gravel wetland to treat 1.6 acres of stormwater runoff from a municipal parking lot close to the banks of the Mystic River, building on work completed through CPR grant funding. The Mystic River is critical habitat for river herring (Alewife and Blueback Herring), but is currently impaired for nutrients, leading to eutrophication, low oxygen conditions and reduced habitat quality. Providing treatment to stormwater in this location will ultimately help to reduce phosphorus and sediment inputs to the Mystic River and improve water quality and habitat.

Town of Milton

Unquity Brook BMP Planning Project

Award: \$17,752

The Town of Milton, in partnership with the Neponset River Watershed Association, will develop stormwater Best Management Practice (BMP) designs at four priority locations to address water quality in Unquity Brook. Unquity Brook flows into Gulliver's Creek, which provides important spawning habitat for rainbow smelt and is part of the Neponset River Estuary Area of Critical Environmental Concern (ACEC). This project builds upon a CPR funded water quality assessment of Unquity Brook which found high levels of bacterial, nutrient, and sediment contamination, especially during wet weather events. Implementation of these designs to treat contaminated stormwater will reduce the levels of bacteria, sediment and nutrients found in the Brook, ultimately improving water quality and habitat for rainbow smelt in this ecologically important watershed.

Town of Plymouth

Great Herring Pond Stormwater Improvements: Eagle Hill Drive – Priority Sites 1 & 2

Award: \$59,910

The Town of Plymouth, in partnership with the Herring Ponds Watershed Association, will assess stormwater retrofit options and design Best Management Practices (BMPs) to treat stormwater discharging into Great Herring Pond. Great Herring Pond has limited water clarity, high nutrient levels and low dissolved oxygen, leading to reduced habitat quality for river herring. A stormwater outfall

assessment completed in 2015 prioritized stormwater treatment locations based on nutrient and suspended solid loads discharging to the pond. The overall goal of this project is to improve water quality in Great Herring Pond and protect river herring habitat.

City of Salem

Winter Island Park Stormwater Remediation Project

Award: \$78,680

The City of Salem, in partnership with Salem Sound Coastwatch, will design and permit stormwater treatment systems at Winter Island Park. The work builds on a comprehensive Master Plan for this recreational coastal property with historical significance. Untreated stormwater flowing off the parking lot goes directly into Salem Harbor leading to decreased water quality from sediments, bacteria, metals, oils and grease. When constructed, these treatment systems will mitigate and treat stormwater runoff and improve water quality in Salem Harbor and Salem Sound.

Town of Yarmouth

Yarmouth Impaired Waters BMP Assessment and Implementation Project

Award: \$64,950

The Town of Yarmouth will design and implement a gravel bioretention stormwater treatment system adjacent to the roadway to reduce nitrogen and bacteria contaminated runoff. The stormwater BMP will be constructed at a priority location to maximize the removal of pollutants flowing into the Lewis Bay and Bass River watersheds, both impaired for bacteria and nitrogen. This system will improve water quality in Yarmouth's coastal waters, reduce the frequency of shellfish closures, and preserve eelgrass habitat, in addition to serving as a demonstration project to other communities interested in mitigating these pollutants.