



Plymouth Long Beach Mixed Sediment Nourishment - Design & Permitting

Funding

Design & Permitting

\$142,000

CZM Coastal Resilience Grant Award

\$42,100

Town Grant Match Committed

Partners

Massachusetts Office of Coastal Zone Management (CZM)



2020 –2021
Design and
Permitting
In Progress

Plymouth Long Beach is a barrier beach that provides flood control and storm protection for Plymouth Harbor and the downtown waterfront area, including all of the economic, historic and natural resources located there. Long Beach is also a popular recreational area and an important breeding and staging area for several species of protected coastal waterbirds. Severe storms over the last several years have caused significant erosion in the area between the Day Parking Area and the Crossover that has resulted in lowering of beach elevation, reduced volume, loss of vegetation, loss of shorebird nesting habitat, and damage to Ryder Way, the Day Parking Area and nearby private properties. Continued degradation in this area will negatively impact the beach's ability to function as a barrier and provide flood and storm protection for the shoreline beyond.

This project will design and permit a mixed sediment nourishment project that will increase the resilience of this area to storm damage and sea level rise. The goal of the project will be to add a sufficient volume of compatible mixed sediment, including sand, gravel and cobble, to help protect Ryder Way and improve the natural function of the barrier beach to buffer storm impacts to Plymouth Harbor and the downtown waterfront area. Funding and technical assistance for this project are provided by the Massachusetts Office of Coastal Zone Management through the Coastal Resilience Grant Program.