

BLOCK ISLAND LANDFILL SLOPE REPAIR PROJECT

STATE PROGRAM: Rhode Island Department of Environmental Management

ASSISTANCE RECIPIENT: Town of New Shoreham

ASSISTANCE AMOUNT: \$1.9M



PROJECT DESCRIPTION

Block Island is a small land mass located nine miles off the southern coast of Rhode Island. The Block Island Landfill is located on the northwest shore of the Island, which is subject to extreme beach erosion. Super Storm Sandy's days-long assault on the Island cut away the cover on the seaward slope of the landfill, washing trash and debris into the Atlantic Ocean. New Shoreham, the Island's only town, borrowed \$1.9 million from the CWSRF to repair the landfill slope. The project entailed pulling back the ocean facing slope of the landfill and creating a stone revetment along the toe of the slope that consisted of two layers of boulders weighing three tons each. In addition, 117 tons of heavy metal that was disposed at this site was collected and recycled. The rest of the slope was planted with beach grass for stabilization and a fenced hiking path was created along its top for the protection of both pedestrians and the grasses.

To read more about this case study, please visit https://www.epa.gov/sites/default/files/2019-11/documents/pisces_2019_compendium.pdf.