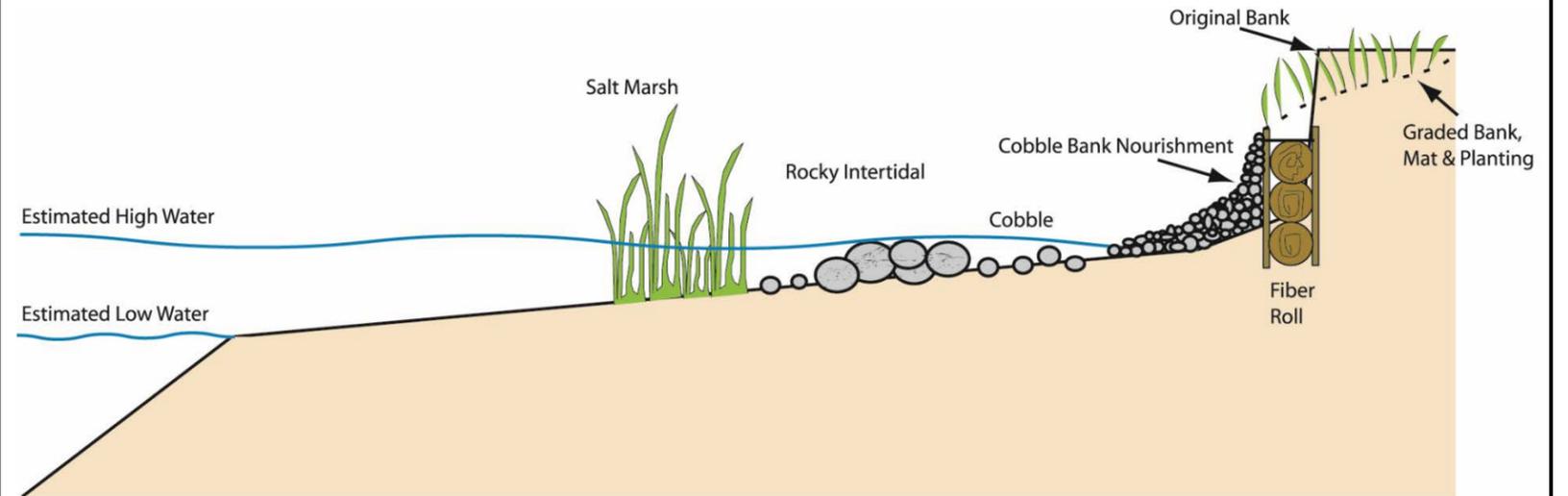


# INCREASING COASTAL RESILIENCY AT COUGHLIN PARK



The aerial photograph on the left shows Coughlin Park, which is located on the western shores of Winthrop, MA. The shoreline and bank immediately north of the existing sea wall have been eroding at ~1.5 feet/year. The project goal was to increase coastal resiliency and mitigate shoreline erosion at this location. The chosen alternative consists of fiber rolls and regrading to stabilize the bank, as well as cobble bank nourishment. The illustration below shows the cobble bank nourishment, fiber rolls, and bank regrading proposed at the site.



## Cobble Bank Nourishment Increases Resiliency

The fiber rolls and cobble bank nourishment will protect the bank and increase coastal resiliency at Coughlin Park. Below is a photo of the existing conditions (Before), as well as an artist's rendition of the finalized project (After). The before photograph shows the undercut and eroding coastal bank, as well as the existing cobble beach. The after photograph shows the completed cobble bank and berm, which will dissipate wave energy and mitigate shoreline erosion, while also providing protection to the installed fiber rolls.

