This proposed project would support permitting, engineering, and design of an emergent breakwater structure and submerged reefs at Point Cadet along the Biloxi Waterfront Park providing shoreline protection as well as benthic habitat for invertebrates and fish. The breakwater would promote accretion of sediments against the shoreline and allow for the natural recruitment of vegetation to establish marsh habitat. Additionally, subtidal reefs would be designed to provide structure and enhance oyster productivity by linking oyster reefs in the Back Bay of Biloxi with reefs in Mississippi Sound. This high-visibility location has been prioritized by the City of Biloxi for a demonstration 'living shoreline.'

This project would support shoreline protection and benthic habitat creation at Point Cadet in the mouth of Back Bay of Biloxi, shown in the above left map, with the existing condition pictured in the above right.