

# Greening The Grey

## Reorienting Coastal Infrastructure along Jamaica Bay

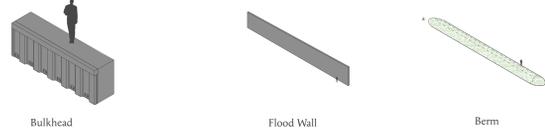


Greening the Grey addresses the alternative solutions to impending flood protection infrastructure that will be implemented by the Army Corp of Engineers throughout the Rockaways. This project questions the implementation of grey infrastructure and aims to create a more porous, green future, where coastal resilience relies on the deconstruction and reorientation of existing infrastructures to form new ways of ecological and cultural engagement.

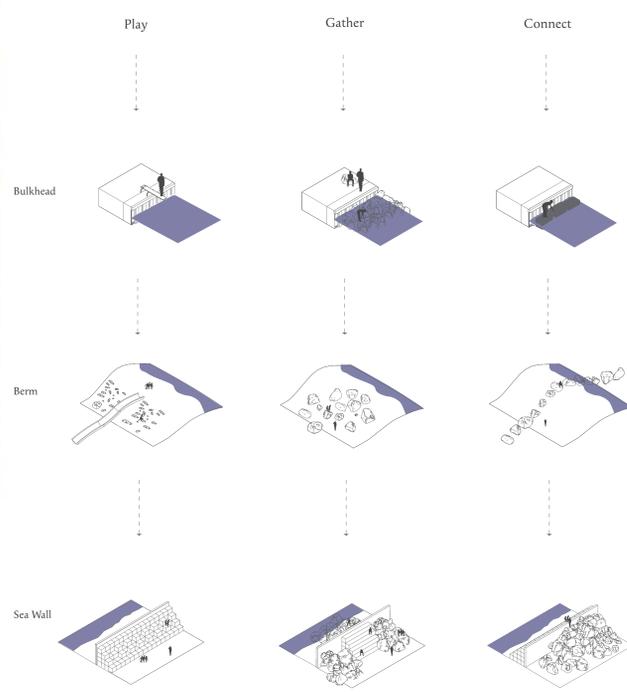
### Proposed Army Corp of Engineers Coastal Storm Infrastructure



■ Storm Water Flooding ■ HATS Flood Extent (100 year) ■ High Tide ■ Parks



### Multifaceted Infrastructure



### Greening The Gray: Interventions that Encapsulating Army Corp Infrastructure



### Green v.s Grey Infrastructure

Green infrastructure includes nature based solutions to supporting the functions of a place. For the project, the implementation of berms and breakwaters, are used as a means of storm attenuation that additionally contributes to habitat creation.

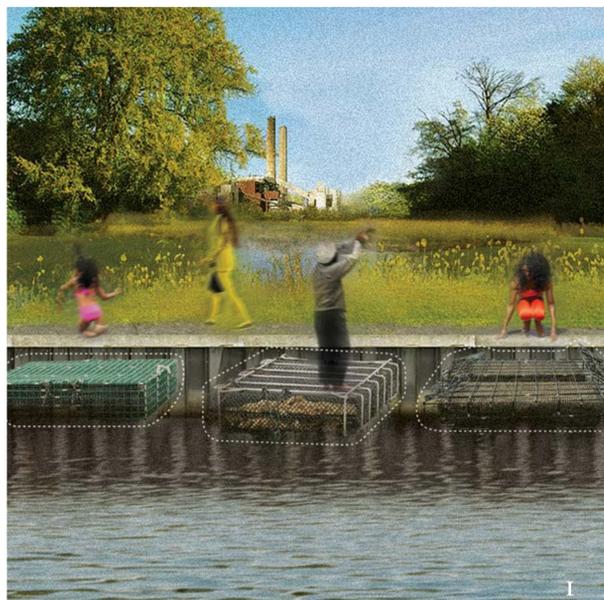
Grey infrastructure are conventional built structures, made of non-living material. Below, are suggested interventions to better engage with the Army Corp of Engineers schemes, to create a more socially and ecologically engaged riparian edge. A space where walls become breakwaters, and berms become playgrounds.

### What is HATS?

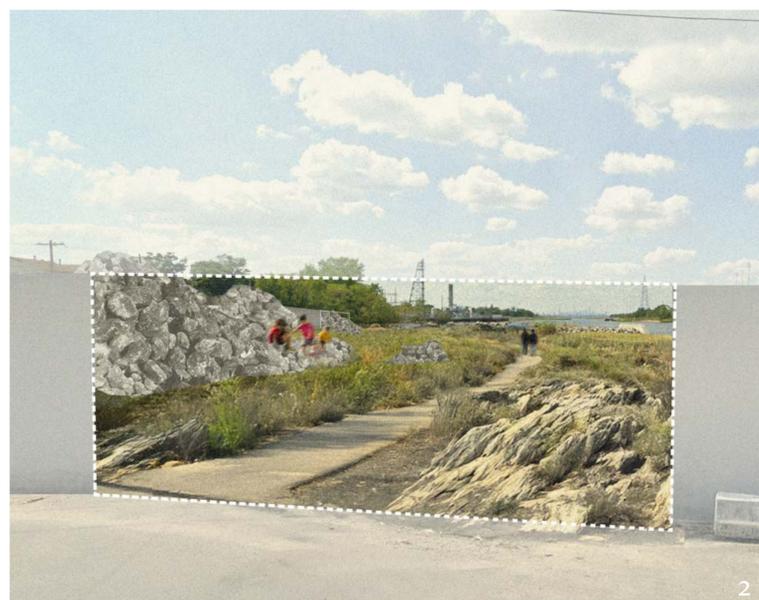
HATS is the NY & NJ Harbor & Tributaries Focus Area Feasibility Study (HATS). In light of worsening storms, this 2 year study was conducted throughout the North East of the United States, and addressed nine areas that are vulnerable to flooding and storms. The Rockaways is one area that will receive major infrastructural interventions in the coming years. These interventions are mainly grey infrastructure, building a future where wet and dry areas are engineered to be apart, going against the inherent qualities of the ecological properties of Jamaica Bay, a place with a gradient of wetness, choked it's urban surroundings.

### How Will this Project Shape your Neighborhood?

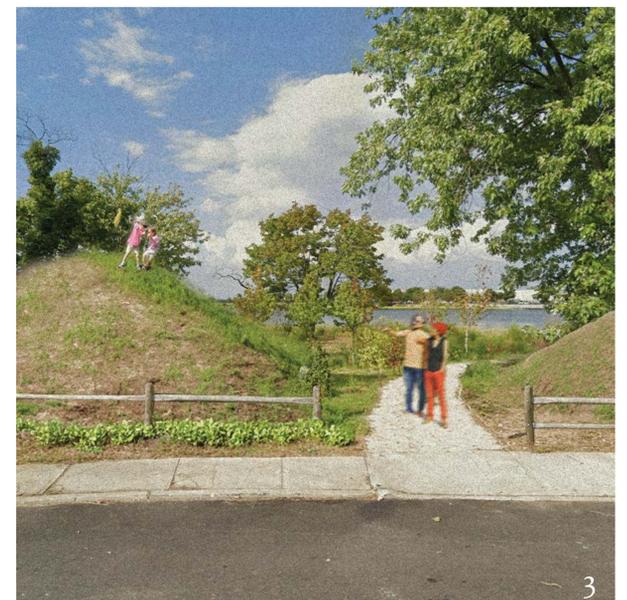
This project will erect several sea walls, a contiguous planted berm and several bulkheads along the edge of Motts Basin. Greening the Grey intends to introduce green infrastructural solutions for storm attenuation and storm water retention, around the planned grey infrastructure. How can these interventions start bridging the gap between wet and dry, human and nonhuman, to create spaces for recreation and ecological connection.



The Bulkhead is now a place for engagement with the Bay, Oysters are farmed along the Motts Basin.



Rubble and Boulders, from the deconstructed sea wall and debris from bio swale construction, now often the edge of Motts Bay, creating new means of ecological connection.



Entrance to the Berm Sculpture Park