

# Winter Storms and Erosion: East Shore Park, CT



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The goal of my research was to find a suitable solution to the severe erosion happening in East Shore Park, Connecticut. East Shore Park has become very difficult to access. The erosion is so intense it is being physically cut off from the rest of the park. The leading question was regarding which solution would be the best for the area.



## NOAA: Living Shores

### RESULTS:

This was an efficient plan as in the actual case we see the usage of a living shoreline

## Causes

- Winter storms cause the waves at the beach to be longer and carry more energy – waves pull more sand
- Wind increases during storms which add to the erosion of the sand
- Lack of proper plants – plant roots help to anchor the soil



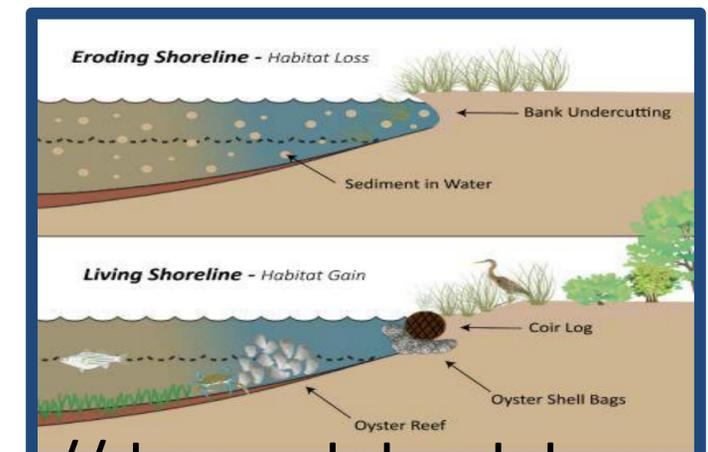
Army Corps of Engineers

## Effects

- Leave the land vulnerable to flooding – threatening to coastal towns like New Haven
- Ruins aesthetic of the beach
- Makes it uninhabitable for both plants and animals
- Negatively effects water quality

## Possible Solution

- Living shoreline -- protected, stabilized coastal edge made of natural materials such as plants, sand, or rock. This will help protect the land from these storms. For instance, the pizzeria will block the tides from flooding the land.



<https://dnrec.alpha.delaware.gov/>

## Professional POVs

- Owner: Simply would want to reopen as soon as possible thus would be for this solution.
- Environmental Scientist: would support this idea. It is a natural way to solve the issue that will promote continued growth
- Emergency Management Coordinator: would argue for hard methods of beach management like a seawall. believing that the that could better mitigate future damages

# Sources

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