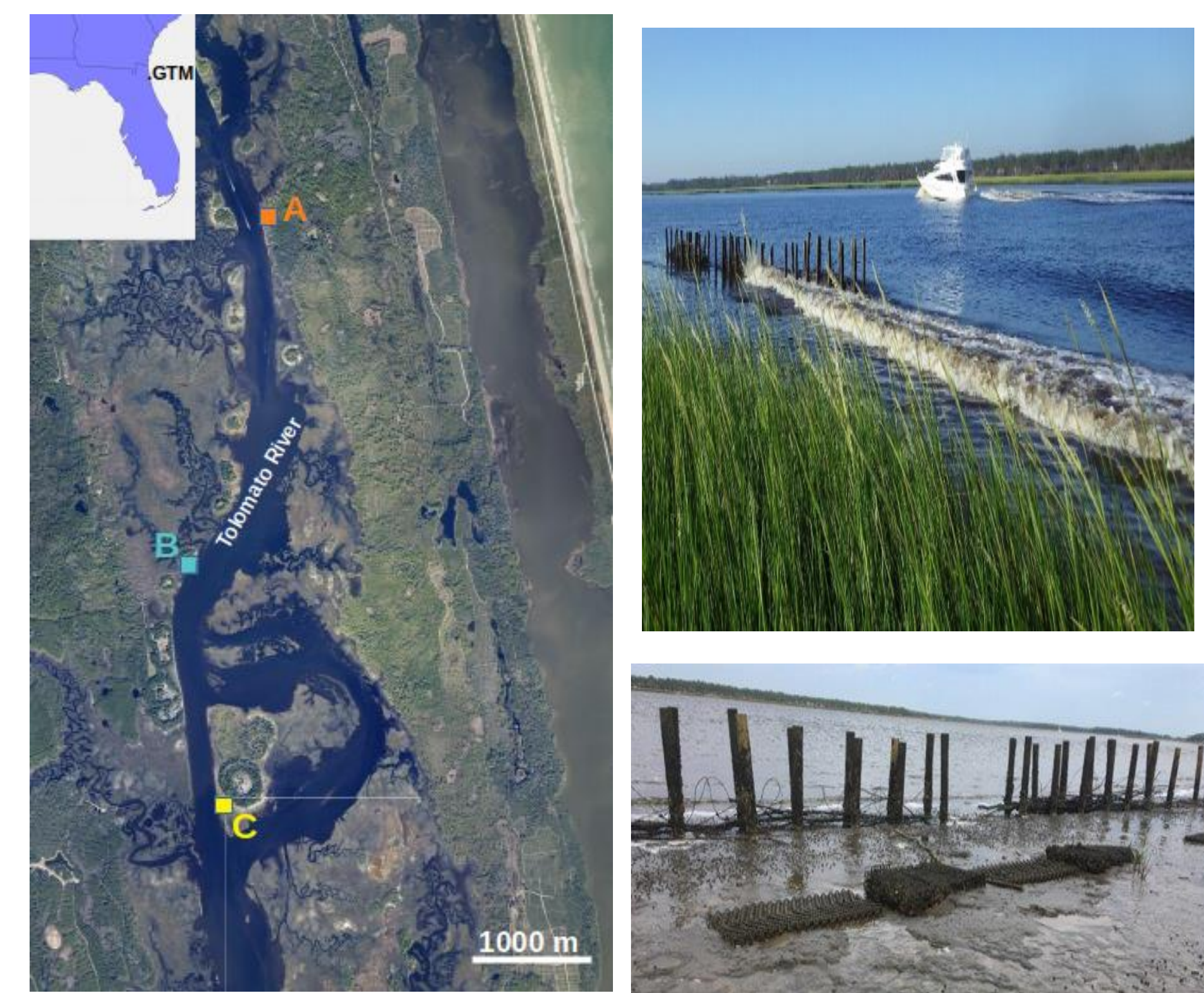


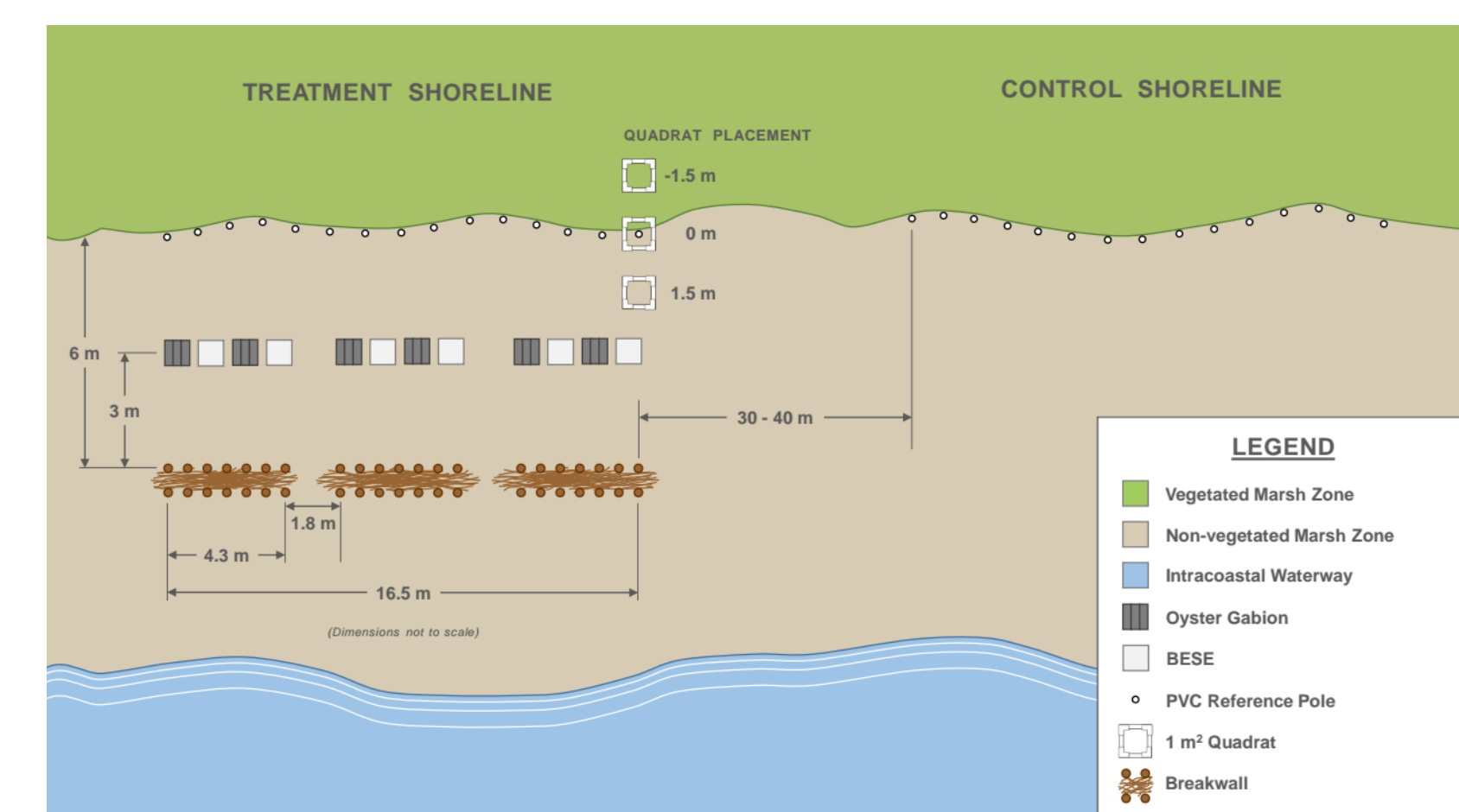
# Grain size analysis: Ability of living shorelines to dissipate high energy boat wakes to dissipate high energy boat wakes

Presenter: Amie Acevedo

## Introduction:



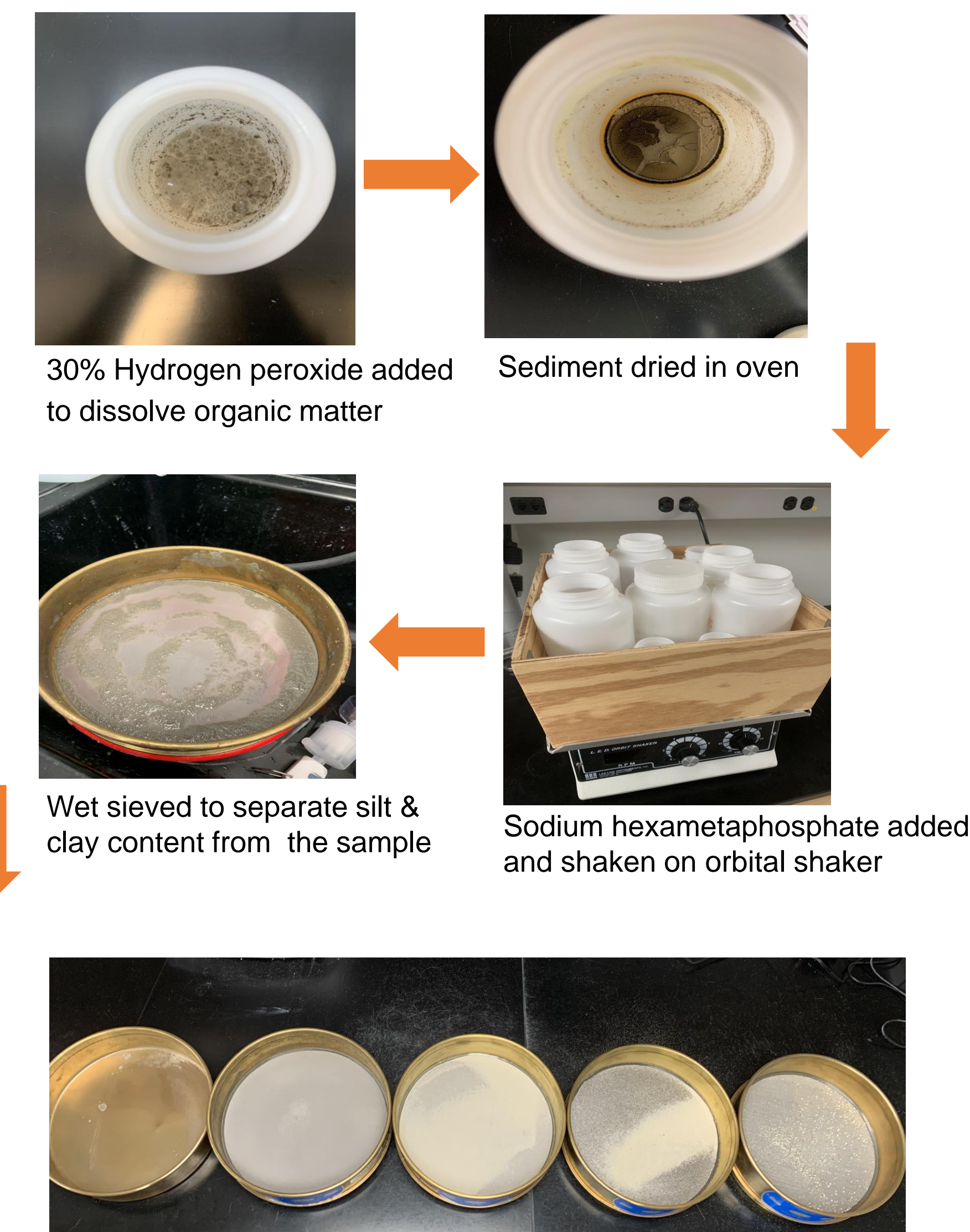
Sample Sites



Treatment versus Control

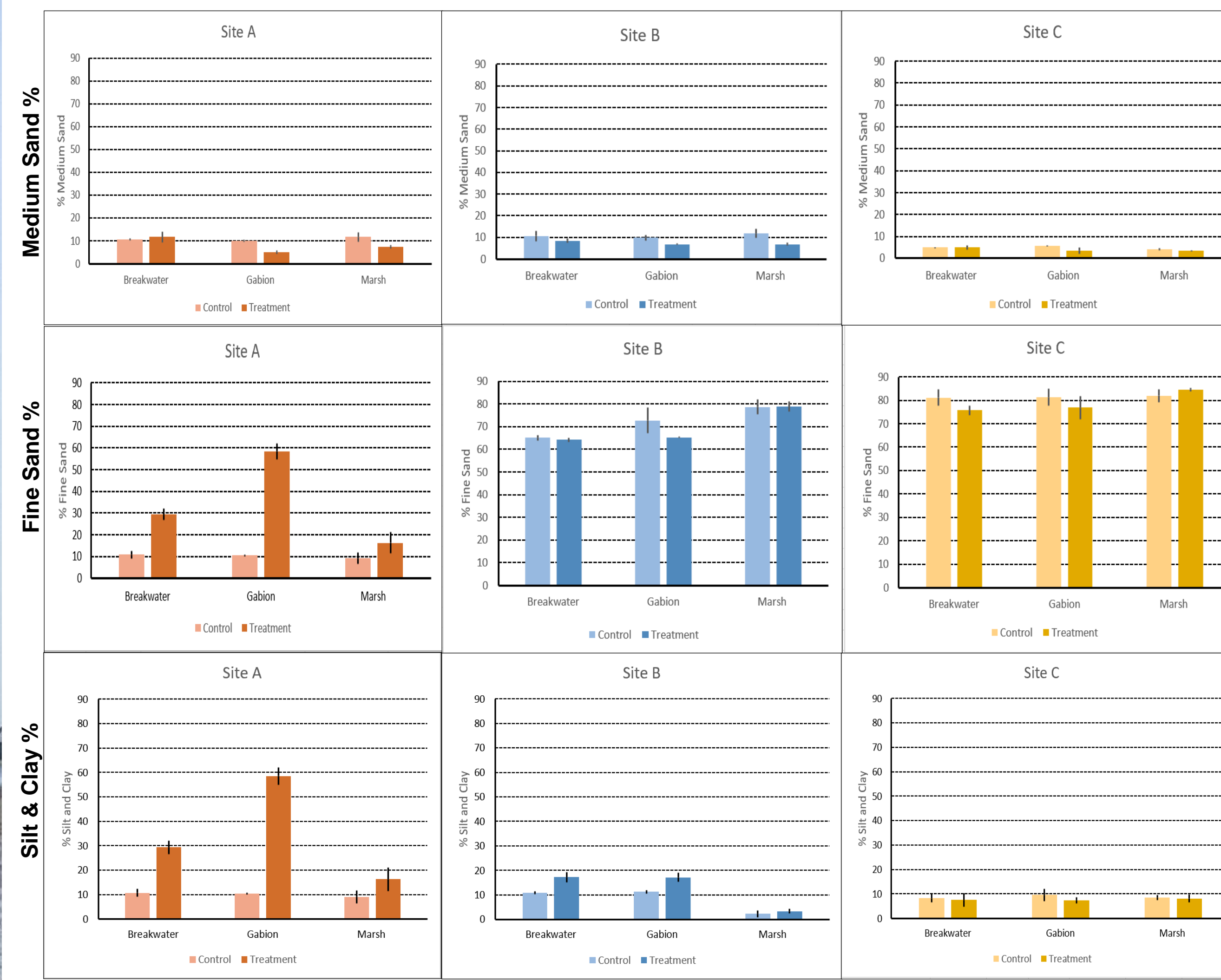
*If the treatments work, then we expect to see finer grain sizes behind breakwaters and gabions.*

## Methods:



Living shorelines can **dissipate** boat wakes and increase sediment deposition ... **sometimes.**

## Results:



The breakwater and gabion treatment seemed to be successful at Site A because there were greater percentages of silt and clay behind the treatments.

Sites B and C seemed to be less successful.



Breakwaters require a significant amount of manual labor and maintenance.



Sites revealed great oyster recruitment in the gabions!

## Conclusion:

The ability of living shoreline treatment to mitigate wave energy is not consistent across all sites.



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