

Hoffler Creek

Natrx worked with the James River Association to design a living shoreline solution for a property facing severe damage and erosion due to heavy storms in the area. The wave energy at this site was higher than most living shoreline solutions could withstand but Natrx ExoForms™ were utilized to effectively stabilize the site and maintain a natural aesthetic appearance.



 Suffolk, Virginia

 November 2023

PROJECT OVERVIEW

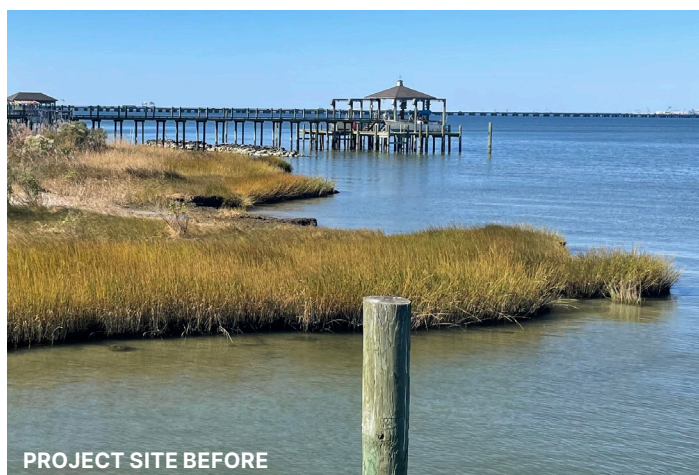
Client: James River Association

Project: High Wave Energy Living Shoreline

Application: Shoreline Maintenance,
Residential Infrastructure

PROJECT GOALS

- Provide stable living shoreline solution suitable for higher wave energy environment
- Minimize erosion of surrounding wetland/marsh and protect site from further heavy storm damage
- Maintain natural aesthetic of residential site in addition to stabilizing shoreline



PROJECT SITE BEFORE

PROJECT OUTCOMES

- Designed ExoForms™ specifically to meet demands of a high wave energy site and delivered 90 structures (270ft of shoreline) to stabilize eroding shoreline
- Modular ExoForm™ structures installed faster and more efficiently compared to traditional rock solutions (completed within 1 day)
- Constructed living shoreline solution with consideration of limitations including restricted location access and minimal equipment space
- Provided living shoreline solution with smaller physical footprint than rock solutions capable of securing placement of sand in high wave energy environments



PROJECT SITE AFTER