

Clubfoot Creek

Natrx and Native Shorelines combined domain expertise to quickly develop a solution to overcome permitting challenges and address serious coastal erosion issues along 700 linear feet of homeowner properties on Clubfoot Creek, near Havelock, NC and the Pamlico Sound.



 Havelock, North Carolina

 June 2023

PROJECT OVERVIEW

Partners: Native Shorelines

Project: Advanced Design and Manufacturing

Application: Quick Permitting and Coastal Erosion

PROJECT GOALS

- Quickly design a solution to help the project overcome permitting hurdles
- Design and Manufacture custom ExoForms that could interlock with Native Shorelines' QuickReefs
- Combat serious erosional issues causing massive land loss



PROJECT OUTCOMES

- Designed highly customized ExoForms that interlocked with QuickReefs to achieve expedited permitting requirements
- Our approach moved the project from digital design, to physical production proof, to permit application and approval in **under one week**
- Produced 233 custom and highly naturalistic ExoForm™ structures
- Allowed for quick and safe partner installation
- Structures provide a coastal erosion defense for 700 linear feet of at-risk homeowner land

