

Hell Hole Bayou

We combined satellite analysis and our patented DryForm Technology to create a nature-based approach to infrastructure protection. We deployed custom-formed Natrx ExoForms to reverse bayou erosion and stabilize our client's critical oil and gas infrastructure while reducing carbon emissions and promoting ongoing creation of new wetland habitat.



 Terrebonne Parish, Louisiana

 August 2021

PROJECT OVERVIEW

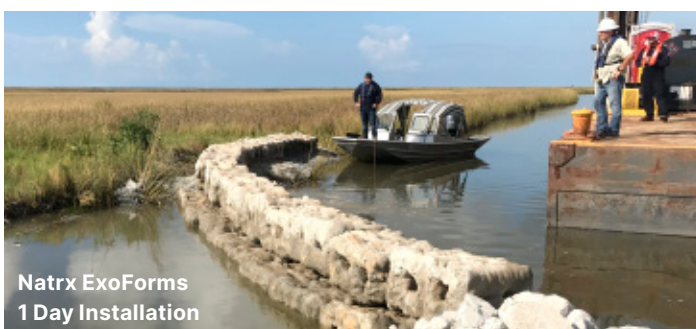
Client: Shell

Project: Infrastructure Protection & Resilience

Industry: Oil and Gas

PROJECT GOALS

- Prevent further scouring and erosion of wetlands around existing riprap structures near the mouth of the inlet
- Reduce water flow to promote sedimentation and net new wetland creation
- Install floating marsh to further promote sedimentation and vegetation growth
- Create oyster reefs to provide ongoing erosion protection and increase water quality



PROJECT OUTCOMES

- Natrx created custom ExoForm structures using its DryForm technology to reverse bayou erosion and promote wetland creation
- Constructed channel closure structure safely and efficiently (only 1 day over water)
- Immediately slowed water flow and promoted beneficial sedimentation
- Created new oyster habitats resulting in new growth in just one season
- Produced potential for new growth of 30,000 oysters (271 million gallons of water filter potential in the first year) and 9.6 acres of net new wetlands
- Continue to monitor site performance and quantify ongoing resilience and habitat benefits with our proprietary satellite analysis platform

