

NATURE-BASED APPROACH TO INFRASTRUCTURE PROTECTION

*COASTAL RESTORATION, PIPELINE
PROTECTION & ARTIFICIAL REEF CREATION*



DANOS

Hell Hole Bayou - South Louisiana

**Project: Installation of Infrastructure
Protection & Resilience**

**Client: Shell Midstream
Industry: Oil & Gas**

DANOS.COM

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
- Natrx continues to monitor site performance and quantify ongoing resilience and habitat benefits with proprietary satellite analysis platform



NATRX
ADAPTIVE INFRASTRUCTURE



*Contact us to find the right
solution to your challenge today.*

1-833-GO-DANOS

danos.com