Taylor Engineering has a well-established portfolio of successful coastal projects. Our 20 coastal and marine engineers are experienced in all aspects of beach nourishment (sand source investigations, coastal processes evaluation, design, permitting, physical and environmental impact evaluation, monitoring, and construction administration), inlet management, plan formulation, coastal structures design, and physical and biological monitoring of completed beach projects.

**Specialities:**
- Advanced numerical modeling to study:
  - Bridge scour
  - Coastal flooding
  - Effects from proposed coastal structures
  - Inlet, estuarine, and nearshore hydraulics
- Shore protection and erosion control
- Coastal structures design
- Coastal armament
- Disaster assessment and emergency response
- Coastal resiliency planning
- Feasibility studies and plan formulation documents
- Grant funding
- Sedimentation and morphology
- Thermal plumes
- Water quality and flushing in canals, marinas, and estuaries
- Bridge scour
- Coastal flooding
- Effects from proposed coastal structures
- Inlet, estuarine, and nearshore hydraulics
- Shore protection and erosion control
- Coastal structures design
- Coastal armament
- Disaster assessment and emergency response
- Coastal resiliency planning
- Feasibility studies and plan formulation documents
- Grant funding

Taylor Engineering has designed and permitted over 20 federal and non-federal beach nourishment projects that collectively restored over 65 miles of beach with over 30,000,000 cubic yards of sand.