Today’s coastal problems require broad knowledge, integrated solutions, and technological support.

At Dewberry, we add value to our clients’ projects by drawing on our depth of experience, and diverse insights from our interdisciplinary team to see the bigger picture in each project.
Our Team

Our cadre of coastal practitioners provide thought leadership, expert knowledge, wide capability, and deep experience to tackle your project needs. We are prepared to listen and deliver start-to-finish integrated solutions, backed up by our data analytics and technological innovation, that add value to your projects needs. Our experience comes from a wide range of diverse work—small to large projects for clients in the private sector, municipalities, and state and federal governments.

Coastal Numerical Modeling
Our experience includes local to regional scale coastal hydraulic and wave modeling, and desktop to high performance computing applications. Our integrated and dynamic coastal hydrodynamic and stormwater modeling approach is now used as a standard on coastal flood resilience projects in New York City.

Hazard and Regulatory Mapping
We have completed mapping for our clients to communicate coastal hazards, provide regulatory floodplain and coastal setback boundaries, and provide information for decision support.

Coastal Structure Design
We provide full life cycle services for incorporating resilience and sustainability. We have delivered high profile, award-winning projects through tight schedules, from conceptual design, feasibility assessments, environmental impact statement, cost and benefits estimation, through construction inspection.

Red Hook Integrated Flood Protection System, Brooklyn, NY
We led the feasibility study for this $100-million project for the New York City Economic Development Corporation and Mayors Office of Recovery and Resiliency. Our interdisciplinary team was recognized with a Platinum Award for Studies, Research and Consulting Engineering Services by the American Council of Engineering Companies of New York in 2018 for our support of this project.

FEMA Program Support, Nationwide
We have significant knowledge and experience in FEMA’s coastal program. From flood, wave and erosion analysis, map production, appeals, rapid hurricane damage assessments, technical guidance, future condition pilots, to post-disaster field assessments of damages and more – we are a go-to firm for coastal support on FEMA and NFIP services.
Dewberry is a leading, market-facing firm with a proven history of providing professional services to a wide variety of public- and private-sector clients. We offer highly specialized subject matter expertise backed by the deep resources and stability of a national firm.

Our Services
- Community-wide coastal protection concept and feasibility analyses
- Hydrodynamic, storm surge, wave, water quality, and integrated stormwater modeling
- Shoreline change, erosion analysis, and mapping
- Regulatory analysis and mapping
- Coastal structure evaluation, design, and construction
- Economic flood risk assessment
- Grant writing and administration
- Shoreline restoration and green infrastructure
- Climate and scenario modeling for resilience planning
- Resilience design standards, policy, and regulatory strategies
- Pre- and post-disaster planning and recovery services
- Dredging
- Ports and intermodal consulting

Representative Clients
- City of Virginia Beach, Virginia
- Currituck County, North Carolina
- Branford, Madison, and Milford, Connecticut
- New York City Department of Design and Construction
- New York State Department of Environmental Conservation
- New Jersey State Department of Environmental Protection
- North Carolina Department of Public Safety
- Florida Department of Economic Opportunity
- Mobile Bay National Estuary Program
- New York State Environmental Research and Development Agency
- Port Authority of New York and New Jersey
- Federal Emergency Management Agency
- U.S. Army Corps of Engineers
- U.S. Fish and Wildlife Service
- National Oceanic and Atmospheric Administration

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