

# Capability Statement for ProTech Oceans



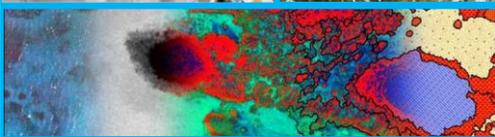
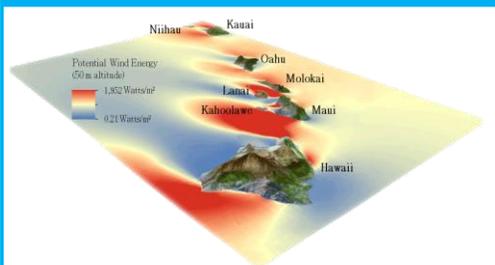
CSS is a mid-sized, award-winning professional services firm with more than 30 years of federal contracting experience. We are a long-time provider

of professional, scientific, and technical support to NOAA's National Ocean Service (NOS), and we have an in-depth understanding and appreciation of NOS' mission, management, and operations. We excel at developing project teams that integrate strong project managers, highly skilled employees, and carefully selected subcontractors and subject matter experts to meet our clients' science missions. Our demonstrated Oceans management capabilities include:

- Demonstrated quality performance on NOS and other science agency professional and technical services contracts
- Known for shaping and managing effective "One NOAA" partnerships with NOAA line offices and matrix programs
- Proven ability to effectively manage large complex efforts involving numerous projects and task orders
- Effective quality control and quality assurance procedures
- Ongoing history of building professional relationships with NOAA partners including federal agencies, natural resource management agencies, institutes and universities, and non-profit organizations
- Excellent track record of retaining qualified legacy staff and transitioning incumbent employees
- Ongoing record of providing the highest quality staff to meet NOS' needs

Our clear understanding of NOAA's mission and goals and our ability to consistently produce deliverables that meet or exceed NOAA's high technical standards have made us a trusted partner on a wide range of NOS program and science priorities. Our unique competencies include:

- Integrated biogeographic assessments
- Monitoring strategies for marine resources
- Marine spatial ecology
- Seafloor mapping and charting
- Habitat characterization and mapping
- Field sampling programs and collection of field data by scuba, ships, aircraft, and remote sensing methodologies
- Ecological assessment, monitoring, and science for coastal ecosystem management
- Social, economic, and human dimensions research
- Laboratory research, management, and analyses
- Complex spatial predictive modeling
- Marine and estuarine ecosystem stressors research
- Green infrastructure and living shorelines research support
- Statistical and spatial analysis using GIS
- Remote sensing research to address harmful algal blooms (HABs) and other events



10301 Democracy Lane  
Suite 300  
Fairfax, VA 22030-2545  
(703) 691-4612  
[www.css-inc.com](http://www.css-inc.com)

Joining us in this initiative are a team of NOAA partners that each make significant contributions to ProTech Oceans program requirements and bring unique team competencies, offering comprehensive support for the Oceans Domain across NOAA regions. Our small and large business partners include:

**IEc** **Industrial Economics, Inc. (IEc)** has worked with NOAA for over three decades and often serves in leadership roles in many of the agency's most challenging cases. We have established a distinguished service record spanning emergency response, scientific and technical investigations, socioeconomic analyses, and habitat restoration support throughout the United States. For example, since 1991, IEc has managed NOAA's Natural Resource Damage Assessment (NRDA) support contracts. Our unique competencies include:

- NRDA and restoration planning
- Scientific investigations
- Field sampling design and implementation
- Spatial modeling
- Survey research
- Scientific and socioeconomic response to oil spills
- Economics and socioeconomics
- Data and information management
- Regulatory analysis, including NEPA
- Financial analysis and assurance



**David Evans and Associates (DEA)** is a global leader in the field of hydrographic and marine geophysical surveying and has been providing data acquisition and analysis services in ocean, coastal, and inland waterways throughout U.S. territorial waters for almost 30 years. In addition, DEA has provided seafloor mapping services to NOAA continuously for the past 20

years. Our current shallow water survey contract is the fifth hydrographic contract with NOAA awarded through a quality-based selection (QBS) process. Our marine, coastal, and riverine survey capabilities include:

- Multibeam sonar surveys (bathymetry, water column & backscatter)
- Side scan sonar surveys
- Sub-bottom profiling surveys
- Laser scanning
- Airborne LiDAR surveys
- Habitat mapping, migration, and monitoring
- Artificial reef construction & monitoring
- Water column characterization
- Metocean studies (currents & tides)
- Aerial drone surveys (sUAS)
- Remotely operated vehicle (ROV) surveys

**JACOBS**® **Jacobs** is a Fortune 200 Company leading the global professional services sector with more than 74,000 employees worldwide and a mission to deliver solutions for a more connected, sustainable world. With our strong cultural foundation of safety, ethics, and sustainability, we bring tailored scientific and engineering solutions to our clients and deliver on our commitments. Through industry experience, Jacobs collaborates with NOAA scientists both on expert review committees and in the field conducting research. Jacobs has worked with a variety of NOS program offices including OR&R and OCM. Our differentiated capabilities include:

- Program and asset management
- Scientific diving, biological surveys, and sampling
- Coastal resilience studies, reports, and preparedness
- Hurricane hardening, repair, recovery, and emergency response
- NEPA documentation
- Coastal zone management, hydrographic and topographic surveying, GIS and geospatial analysis
- Social and socioeconomic impact studies
- Capacity building and community relations
- Archaeological and cultural surveys, clearances, impact studies, and curation

**CompassData** **CompassData, Inc.'s** mission is to map the world, and we have been at the forefront of geospatial technology since 1994. We are the leading provider of Ground Control (GCP) data for accuracy enhancement and verification, collecting new points daily and adding them to our archive (available off the shelf) of over 50,000 GCPs around the globe. We also have commercially available accuracy verification software developed specifically for geospatial users to test and verify imagery and LiDAR data sets. Other areas of expertise are in Drone/UAS mapping, mobile mapping, and airport mapping.



**RPI** is a woman-owned small business specializing in providing scientific support, data management, and geospatial services. RPI has continuously supported NOAA for over 40 years, including prime contracts with OR&R. RPI's unique competencies include:

- Scientific response to oil spills, natural disasters, vessel groundings, and marine debris incidents
- NRDA and restoration planning, implementation, and monitoring
- Environmental Sensitivity Index (ESI) shoreline classification and mapping
- NEPA studies and environmental compliance
- Habitat mapping and classification
- Marine and coastal GIS database design and management
- Coastal and marine ecotoxicology, geochemistry, biology, ecology, and geospatial services



Member of the SNC-Lavalin Group

With 77 offices nationwide and approximately 3,800 employees, **Atkins** provides a unique combination of technical and field capabilities. Atkins has supported NOAA for nearly 20 years with a variety of services, most notably: 1) NRDA response associated with the Deepwater Horizon oil spill; 2) habitat restoration and debris removal within the Florida Keys NMS; 3) long-term annual monitoring within the Flower Garden Banks NMS; and 4) subject matter expertise in the development of the new NOAA coastal stormwater adaptation decision support tool. Our unique competencies include:

- Inshore, offshore, and deep water data gathering using scuba and ROVs
- Statistical analysis and interpretation of large-scale datasets
- Endangered species and critical habitat field surveys
- Conceptual ecological modeling
- Technical expertise for NRDA field studies
- Development of digital modeling tools and AI-based models to address coastal resilience
- Development of stakeholder-focused decision support systems
- Relational GIS-based databases, online GIS services



**Chesapeake Environmental Communications (CEC)** is a woman-owned and operated small business with a decade of experience in federal contracting. We combine scientific expertise with professional communications and marketing. CEC was founded by a former NOAA senior biologist. That connection, along with our many years of working with the agency, provide us a deep understanding of NOAA's particular challenges, research themes, and priorities. Our unique

competencies include the following:

- Social marketing to effect change
- Interactive environmental education curricula that harness the power of NOAA science
- Marketing and outreach strategies and implementation
- Story maps and map-based interpretive materials
- Scientific literature summaries
- Workshop development and facilitation
- Public and media relations
- Communications training

**Moffatt & Nichol's** reputation for excellence in coastal and waterfront engineering design—from hydrodynamic, wave and sediment modeling, environmental studies, coastal restoration and resiliency planning, and site investigations,



through permitting and construction— is built on 70 years of experience with challenging projects on every type of waterfront. We offer 650 engineers, planners, scientists, and support staff who are experts at solving the complex issues that drive ocean, coastal, estuarine, and riverine systems. We provide unique competencies in the following:

- Coastal and ocean engineering
- Natural resource assessment and restoration planning
- Environmental hazard prevention
- Resiliency planning & design
- Environmental sciences, monitoring, and assessment
- Advanced numerical modeling, physical, chemical, and biological
- Marine Sciences, marine ecology and oceanography
- Supply chain logistics and economics



For over three decades **A.I.S., Inc. (AIS)** has supported NOAA with a diversified portfolio of marine science services. We have extensive experience managing complex NOAA programs providing high quality scientific, environmental, and operations data collection. AIS mobilizes and supports a highly qualified and geographically dispersed workforce to meet the needs of NOAA and its stakeholders, and to maintain real-time environmental monitoring. Our unique competencies include:

- Complex program management with 24/7 operations and logistic support
- Scientific, technical, and administrative staff support
- Environmental emergency response support
- Scientific, environmental, and operations data collection and monitoring
- Data quality assurance and control plans
- Protected species monitoring



**Cardinal Point Captains, Inc. (CPC)** is a SDVOSB and NOS and DOD prime contractor with nationwide capabilities. We support diverse NOAA small boat operations and maintenance (O&M) including vessel support, transportation services, and system-wide boat planning and use management. CPC also provides marine and vessel engineering services and deployment and retrieval support for NOAA's Chesapeake Bay Interpretive Buoy System. We offer unique competencies in the following:

- Scientific support for NOS, ONMS
- Tidal current meter deployments/recoveries and NOAA Chesapeake Buoy Program
- NOAA small boats O&M and shipyard engineering
- Vessel grounding and NOAA certified whale disentanglement support



**RPS** is a multi-disciplinary, mid-sized consultancy with major regional offices in North America, Europe, the Middle East, Australia, and Southeast Asia. RPS' North American business has supported NOAA nationwide for over 35 years with key contracts with OR&R, OCM, and the U.S. Integrated Ocean Observing System (IOOS). Our unique competencies include:

- Oil and chemical spill modeling
- Computer modeling of physical, chemical, and biological processes
- Natural resource damage assessment
- Ocean data, management, and portal development
- Metocean data collection, modeling, and analysis
- Geospatial data development and analyses
- NEPA analysis and support



Quantitative Technologies for Research and Analysis

**QuanTech** is a statistical analysis and survey research firm. We provide a complete range of survey research, data collection, and statistical analysis capabilities. Through our 25 years of NOAA service, we have developed several unique competencies, including:

- Internet, in-person, telephone, and mail survey data collection methodologies
- Socio-economic surveys
- Environmental and biological sampling
- Statistical design and data analysis
- Statistical database development and quality assurance
- Statistical modeling and analysis



**Genwest**

**Genwest Systems, Inc.**, a SDVOSB, specializes in the design, development, and deployment of environmental information solutions for our clients. We have continually supported NOAA, our primary client, for over 35 years through multiple contracts with OR&R as well as support for other NOAA offices including the Pacific Marine Environment Laboratory, ONMS, and OCM. Our unique competencies include:

- Development of web-based data management and visualization tools for response, response planning, and habitat assessment applications
- Response to oil spills, natural disasters, and acute marine debris incidents
- Cost tracking and recovery for effort incurred by NOAA supporting NRDA and EPA cases
- Collaborative processes for stakeholder engagement, regional response planning
- Geospatial data development and analyses
- NEPA project analysis, agency consultations, and compliance monitoring
- Scientific software development and tools for response mission planning and impact modeling