

Capability Statement for ProTech Fisheries



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CSS Capabilities for Northeast and Greater Atlantic Regions

CSS has worked closely with NOAA Fisheries (NMFS) and NOAA Headquarters, Regional Offices, Science Centers, and numerous state and federal partners to assist in developing the science, information, and tools needed for the stewardship of the Nation's living marine resources.

Our ProTech Fisheries Team offers comprehensive capabilities to address Fisheries Domain requirements across the NMFS regions. We also maintain an extensive network of fisheries consultants and research institution partners that specialize in a particular species, region, or fisheries management discipline.

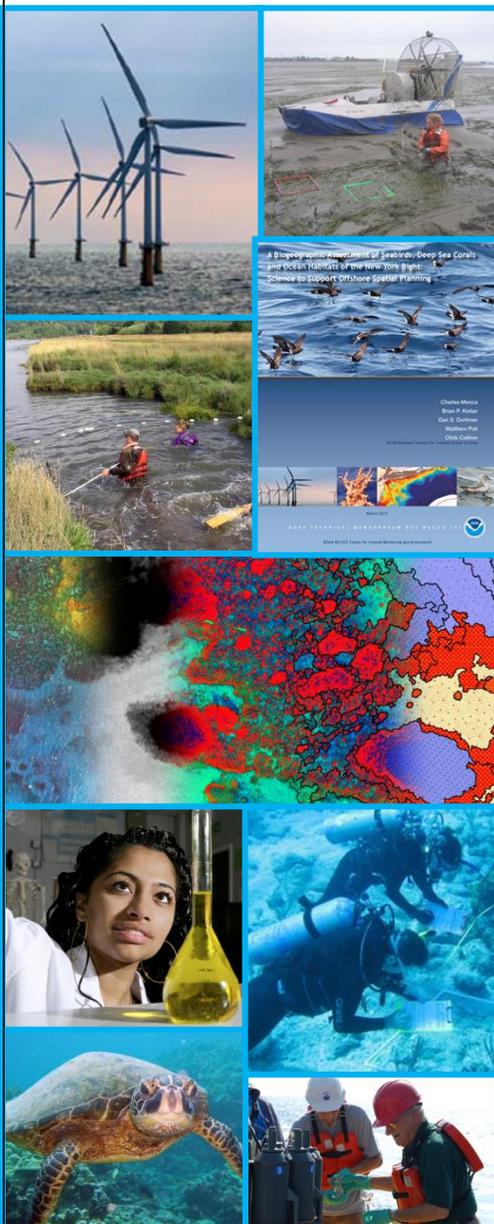
Our expertise covers:

- Field Sampling Design, Data Collection, Data Verification, QA/QC, and Spatial Analysis
- Fisheries Management Plan Development
- Laboratory Management and Analyses
- Socio-economic Data Collection, Research, and Studies
- Fisheries Data Management and Database Design
- Outreach and Communications
- Monitoring Strategies for Marine Resources
- Website and Database Analytic Support
- Statistical and spatial analysis using GIS
- Information Management Tools to Collect and Integrate Fisheries Research and Data
- Fish Habitat Modeling and Statistical Analyses
- Biogeographic Assessments and Habitat Mapping
- Complex Spatial Predictive Modeling
- Council and Committees Technical and Administrative Support
- Response and Habitat Restoration
- Fish and Protected Species Surveys
- National Environmental Policy Act (NEPA)

CSS Staff Contributions to NOAA Research – Awards and Achievements

In the past ten years, our interdisciplinary staff of scientific and technical professionals supporting NOAA have contributed to more than 360 national technical reports and technical memoranda, more than 150 peer-reviewed publications, and book chapters from joint NOAA-CSS research projects.

Our staff have received more than 15 NOAA professional awards and have also supported a host of NOAA projects that have resulted in special recognition and awards from NOAA staff.



Joining us in this initiative is a team of NMFS partners that each make significant contributions to NMFS environmental intelligence and bring unique team competencies, offering comprehensive support for Fisheries Domain requirements across the NMFS regions. Our small and large business partners include:

IEc **Industrial Economics, Incorporated (IEc)** has worked with NOAA for over three decades and we often serve 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 Damaged Assessment (NRDA) support contracts. Further, since 2001, IEc has provided continuous support to the Greater Atlantic Regional Fisheries Office (GARFO) in its implementation of the Atlantic Large Whale Take Reduction Plan (ALWTRP). In addition, IEc has provided analytical and other support services to NOAA's NMFS related to critical habitat designations under the Endangered Species Act (ESA) and currently manages NMFS's Restoration Center's Environmental Restoration Services IDIQ contracts for the Pacific and Southeast regions. Our unique competencies include the following:

- Restoration planning
- Scientific investigations
- Field sampling design and implementation
- Spatial modeling
- Survey research
- Natural resource damage assessment (NRDA)
- Economics and socioeconomics
- Data and information management
- Regulatory analysis
- Financial analysis and assurance



For over three decades **A.I.S., Inc. (AIS)** has supported NOAA Fisheries with a diversified portfolio of marine science services. We have extensive experience managing complex observer programs providing high quality scientific, environmental, and fisheries operations data and monitoring. AIS mobilizes and supports a highly qualified workforce to meet the needs of the NMFS Regional Offices, Science Centers, and stakeholders, to sustain our living marine resources. Our unique competencies include:

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

AECOM As a nationwide engineering and environmental sciences organization, AECOM has supported NOAA for over 25 years. Our experts understand the administrative policies and complex technical requirements based on our work with various NOAA programs, including the: Office of Science and Technology, National Marine Fisheries Service, various Fisheries Science Centers, Sustainable Fisheries and Habitat Conservation Divisions, Office of Protected Resources, and Safety and Environmental Compliance Office. Through our tenure, we have established a deep bench-strength that is closely aligned with NOAA's mission, research themes and program priorities. We have experience coordinating with commercial and recreational fishermen and the fishery management councils, while working closely with the NMFS NEPA Coordinator, program managers and various commissions, committees, and stakeholders. Our skills and competencies include the following:

- Spatial Planning, Modeling, and Habitat Mapping
- Essential Fish Habitat Assessments
- Taxonomic and Biodiversity Assessments
- Design and conduct of field sampling
- Protected species monitoring
- NEPA Compliance and nationwide training
- MMPA Compliance
- Ecosystems-based Management
- NRDA Programs
- Stakeholder Engagement and Facilitation

Teaming Partners



With 77 offices nationwide and approximately 3,800 employees, **Atkins** staff provide the 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 NMFS; 3) long-term annual monitoring of coral and fish populations, water quality, and other reef health parameters within the Flower Garden Banks NMS; and 4) providing subject matter expertise in the development of the new NOAA coastal stormwater adaptation decision support tool. Atkins scientists are also experienced in consultation with NMFS Protected Resources and Habitat Conservation Divisions, regarding potential impacts to threatened and endangered marine species and essential fish habitat and associated marine fishery resources, respectively. Our unique competencies include:

- Inshore, offshore and deepwater data gathering using SCUBA and remotely operated vehicles
- Statistical analysis and interpretation of large-scale datasets
- Endangered species and critical habitat field surveys, evaluations and assessments
- Technical expertise for NRDA field studies
- Conceptual ecological modeling
- Development of stakeholder-focused decision support systems
- Development of relational GIS-based databases, online GIS services, and story maps



Cardinal Point Captains, Inc. (CPC) is a SDVOSB with nationwide capabilities supporting diverse NOAA small boat operations and maintenance (O&M) under prime contracts with NOAA, ONMS and the U.S. Navy. CPC also provides Chesapeake Buoy Program Support for NMFS, and offers unique competencies in:

- NOAA Fisheries small boats O&M
- On-site shipyard engineering services
- NOAA certified whale dis-entanglement
- NMFS Chesapeake Buoy Program



Chesapeake Environmental Communications (CEC) has supported NOAA for 9 years, including several contracts with the NMFS Habitat Conservation, NOS NCCOS, and NESDIS. CEC was founded by a former NMFS fisheries biologist. That combined with our long work history with the agency provide us a deep understanding of NOAA and NMFS research themes and priorities. Our team has long-standing connections with a wealth of stakeholders, including commercial and recreational fishermen, fishery managers, and nonprofit organizations; and offers competencies in:

- Science and visual communication
- Communication training
- Stakeholder engagement
- Science-based educational curriculum development compliant with national and state standards
- Social marketing and Community Based Social Marketing
- Marketing/outreach collateral development
- Literature summaries
- Workshop development and facilitation

Integrated Systems Solutions, Inc. (ISS) is a SDVOSB that provides clients with expertise in all areas of strategic planning, communication, program management, and other support services including administrative support and conference and exhibit planning. ISS's strategic communications expertise is outstanding, as demonstrated by the June 2016 award by the National Academy of Television Arts of an Emmy Award for the ISS production of the Ocean Today special video "Trash Talk" focusing on marine debris.

- Program management
- Communication and outreach
- Information Technology
- Engineering and Technical Services



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 the U.S. territorial waters for almost 30 years. In addition, DEA has provided seafloor mapping services to NOAA continuously for the past 20 years and our current shallow water survey contract is the fifth hydrographic contract with this agency awarded through a quality-based selection (QBS) process. These awards have been based solely on DEA's demonstrated experience and ability to perform marine surveys, with outstanding performance reviews through CPARS. Our marine, coastal and riverine survey capabilities used to provide fisheries habitat data 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)
- Unmanned platform surveys
- Remotely Operated Vehicle surveys
- Geospatial data analysis

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. We have worked with the following NOAA offices: Fisheries Sacramento and Northwest Regional Offices; NOS, OCM and OR&R, OAR, and the Atlantic Oceanographic and Meteorological Laboratory, Miami, Florida. Jacobs's differentiated capabilities available to the NOAA Protech Fisheries Contract are:

- Marine surveys (estuarine, nearshore and offshore)
- Scientific diving conducting biological surveys, underwater surveying, and sample collection
- Marine studies (water and sediment quality, benthic ecology, fisheries, aquaculture and hydrodynamic modelling)
- Long-term monitoring programs
- Marine Environmental Impact Assessment and Regulatory Approvals
- Development and application of biological metrics for evaluation of ecosystem health
- Biological and ecological modelling, including bioenergetics models
- Laboratory services (taxonomic identification)



RPI, a woman-owned small business, has continuously supported NOAA for over 40 years, including prime contracts with the Office of Response and Restoration involving frequent and close collaboration with NMFS Habitat Conservation and Protected Species Divisions, the Restoration Center, Regional Offices, and the Fisheries Science Centers and Laboratories, nationwide. Our unique competencies include the following:

- Scientific response to oil spills, natural disasters, vessel groundings, and marine debris incidents
- Natural Resource Damage Assessment
- Restoration planning, implementation, and monitoring
- NEPA studies, federal permitting, and environmental compliance
- Habitat mapping and classification
- Shoreline and habitat assessment and monitoring
- Protected species consultations
- Essential Fish Habitat consultations
- Natural resource advising/observing
- Marine and coastal GIS database design and management