



# SEAJAY ENVIRONMENTAL

Providing project and policy support from land to sea

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## Statement of Qualifications

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## QUALIFICATIONS

SeaJay Environmental is a small, woman-owned business specializing in policy, regulatory, and intergovernmental support to clients to address California Environmental Quality Act (CEQA) and National Environmental Policy Act (NEPA) compliance, natural resources management, energy policy, and environmental planning and permitting. We have particular expertise in managing multi-agency, complex, one-off, and/or controversial projects. This includes compiling administrative records, tracking public comments, technical editing, and litigation support to ensure that documents are written clearly and are legally defensible. Core services are:

- Preparation of environmental impact assessments
- Agency consultations and stakeholder engagements
- Federal and state policy analysis and regulatory support
- Pollution prevention, spill response, and best management practices planning
- Writing and reviewing documents for technical sufficiency
- Underwater dive support, surveying, and monitoring

SeaJay Environmental is a certified Small Business/Microbusiness by the State of California Department of General Services (DGS #1738217) and a U.S. Small Business Administration (SBA) Woman-Owned Small Business. The company is also certified by the SBA under the Historically Underutilized Business Zone (HUBZone) program. SeaJay Environmental is certified by the Port of Oakland and Alameda County as a Local Impact Area Business Enterprise (LIABE)/Small Business Enterprise (SBE)/Very Small Business Enterprise (VSBE).

Carlinae Johnson is the owner and principal consultant who brings more than 25 years of experience in regulatory support, intergovernmental coordination, and environmental effects analysis. Carlinae received her Bachelor of Science degree in Biological Science from Florida State University in Tallahassee, Florida. She is a search and recovery diver for the Alameda County Sheriff's Office Dive Team and was formerly a science diver under the National Oceanic and Atmospheric Administration's (NOAA) Diving Program. She is trained and certified as a Protected Species Observer. She also provides training for Hazardous Waste Operations and Emergency Response (HAZWOPER), and can mobilize a team to provide emergency response support in the case of an oil spill or the release of other hazardous material. She has completed a week-long workshop conducted by the Shipley Group on Writing Quality NEPA documents. She previously worked for two governors in the State of Florida assisting in the review of marine policy issues and legislation, including the review and analysis of projects associated with proposed renewable energy, oil and gas, dredging, fisheries, aquaculture, and other activities in the coastal zone and offshore.

SeaJay Environmental has firsthand experience with the challenges of managing project budgets, personnel, and other limited resources, while completing deliverables and maintaining schedules in a fast-paced and transparent work environment. Quality work is paramount to avoiding delays, facilitating expedient reviews, and instilling agencies' confidence in proposed projects. We particularly understand the importance of effective public outreach and close intergovernmental coordination to ensure that the concerns of regulatory agencies and the public are thoroughly addressed throughout project development. We can identify mitigation and project pitfalls early in the planning process, which can make the difference between a project's success or failure, as well as help ensure that costs are contained.



*Invasive species sampling at Fitzgerald Marine Reserve, Moss Beach, CA*

For more complex NEPA and CEQA documents or field projects, SeaJay Environmental can also form a larger team of independent consultants who have worked together seamlessly on other projects. The group includes biologists and botanists, civil engineers, professional geologists, risk assessors, and document editors. The team can conduct biological surveys, noise assessments, air quality assessments, cultural/historical resource reports, visual assessments, and traffic impact analyses. No matter the size of the project, SeaJay Environmental is flexible and prepared to assist any project in any capacity within our areas of expertise.

## REPRESENTATIVE PROJECT EXPERIENCE WITH REFERENCES

This section outlines some of the services that have been conducted by Carliane at SeaJay Environmental. The following project examples include client contact information for references. All of the projects met budgetary and scheduling demands.

### Regulatory Support | Shell Exploration & Production Company | Houston, TX

*Reference: Dr. Ruth Perry, Marine Science and Regulatory Policy Specialist, Shell Exploration & Production; (281) 450-7148; [ruth.perry@shell.com](mailto:ruth.perry@shell.com)*

SeaJay Environmental is currently providing regulatory and policy support to Shell Exploration & Production Company on issues pertinent to the management of domestic offshore and onshore oil and gas activities. This work includes attending and providing summaries of public hearings and agency meetings, and providing dive support services as Shell's representative on an Industry-Government Expedition to the Flower Garden Banks National Marine Sanctuary and the High Island 389-A platform in the Gulf of Mexico. SeaJay Environmental also worked with Shell's engineers and operations managers to draft a paper, *Shell Best Management Practices for Blasting and Painting Offshore Facilities*, which was presented at the Society of Petroleum Engineers conference. The paper describes best practices related to the periodic inspection and maintenance of offshore oil and gas facilities to assure structural integrity and minimize pollution and safety risks.

### Hazardous Waste Operations and Emergency Response 40-Hour Training Course

*References: Mr. Bill Weber, Weber Readiness (209) 200-2262; [bill@weberready.com](mailto:bill@weberready.com)*

Carliane with SeaJay Environmental provides training for companies to meet both the Occupational Safety and Health Administration's (OSHA) HAZWOPER standard (29 Code of Federal Regulation 1910) and the California Department of Industrial Relations' regulations (Title 8 Section 5192), which require that personnel who may be potentially exposed to hazardous substances receive 40 hours of initial classroom instruction.

### Storm Water Monitoring, San Francisco Estuary Institute, Richmond, CA

*Reference: Lawrence Leung, Contracts Manager, San Francisco Estuary Institute; (510) 746-7356; [lawrence@sfei.org](mailto:lawrence@sfei.org)*

For three winter, rainy seasons, Carliane led a water quality monitoring team for the San Francisco Estuary Institute in the collection of watershed samples as part of the James V. Fitzgerald Special Biological Significance Pollution Reduction Program in San Mateo County. Carliane and her team followed U.S. Environmental Protection Agency (EPA) Method 1669 for the proper collection of ambient water samples for subsequent determination of total and dissolved metals. The samples collected were used to evaluate differences in contaminant concentrations from storm water discharges into this marine reserve, which is recognized as one of the richest, most biodiverse intertidal environments on the California coast.



*Storm water sampling along Dean Creek, Montara, CA*

**Preparation of International Regulatory Document | Walsh Perú South America (S.A)**

*Reference: Mr. Ignacio Garcia-Godos, Director of Projects, Walsh Perú S.A; (303) 443-3282*

Carlaine with SeaJay Environmental prepared a regulatory document summarizing the applicable international legal framework pertaining to the discharge of drill cuttings containing non-aqueous drilling residues and potential concerns related to the proposed use of thermal-treatment technology to clean those cuttings. The project involved reviewing and summarizing the applicable international legal framework and guidelines. It also involved reviewing the technical reports regarding the marine discharge of treated cuttings obtained from the "Hammermill" process and other reference documents that were prepared by Walsh Perú S.A. for the Peruvian regulatory authorities.

**Preparation of Biological Assessment | Half Moon Bay Yacht Club Foundation | San Mateo, CA**

*Reference: Mr. Kelly Pike, Half Moon Bay Yacht Club Foundation Board Member; (650) 712-0452; [kpike@coastside.net](mailto:kpike@coastside.net)*

SeaJay Environmental conducted a biological assessment of the water and land resources surrounding the Half Moon Bay Yacht Club related to a proposed floating dock and pier for a California Coastal Development permit application.



*Half Moon Bay Yacht Club, Pillar Point Harbor*

**Resource Staff Support, Greater Farallones National Marine Sanctuary (GFNMS), San Francisco, CA**

*Reference: Ms. Maria Brown, GFNMS Superintendent; (415) 561-6622; [maria.brown@noaa.gov](mailto:maria.brown@noaa.gov)*

Carlaine was tasked with providing in-house permitting staff for this NOAA sanctuary office at two separate times spanning a period of almost three years. The responsibilities included assessing activities proposed in GFNMS, as well as in the northern area of the Monterey Bay National Marine Sanctuary (MBNMS). Among the activities required of the position were issuing sanctuary permits for research, education, and salvage activities; responding as the lead coordinator to any vessel grounding or spill incident; and overseeing the White Shark Stewardship Program, which included the preparation of a programmatic environmental assessment (EA) related to impacts associated with white shark (*Carcharodon carcharias*) research and tourism. She also prepared another EA on U.S. Coast Guard live fire training discharges. Both EAs and issuance of the permits involved careful public records administration, such as tracking of comments received, compiling citations used, and documenting all communications. Support to GFNMS legal counsel was also provided during several permit appeals. Ms. Johnson also assisted the GFNMS office in its documentation of and discussions with the U.S. Coast Guard to consider realigning the commercial vessel traffic lanes offshore San Francisco. This effort led to the International Maritime Organization to amend the San Francisco Traffic Separation Scheme to enhance navigational safety and mitigate the co-occurrence of endangered marine species with commercial vessel traffic.

**Analysis of Automatic Identification System Data, National Marine Fisheries Service, Silver Spring, MD**

*Reference: Mr. Michael Fiedler, Electronic Consulting Services, Inc. (ECS), Fairfax, VA; (703) 270-1540*

Under an Indefinite Delivery/Indefinite Quantity (IDIQ) Subcontract Agreement, SeaJay Environmental worked with National Marine Fisheries Service (NMFS) staff to create a relational database using Structure Query Language (SQL) that was used to analyze Automatic Information System (AIS) data from large commercial vessels along the U.S. East Coast and track their adherence with North Atlantic right whale (*Eubalaena glacialis*) ship strike reduction measures. The purpose of the project was to assess the effectiveness of a NMFS rule that required vessels (65 feet and greater in length) to slow their speeds to 10 knots or less near key port entrances of the Atlantic seaboard in certain right whale aggregation sites known as Seasonal Management Areas. After collecting and processing the data each month, Carlaine prepared company-specific reports that summarized the AIS data received from hundreds of vessels calling to East Coast ports. These reports were sent to seventeen international shipping companies to help them ensure compliance of U.S. law within their fleets.

**Dive Support Services, Northern CA**

*References: Dr. Chela Zabin, Research Staff, Smithsonian Environmental Research Center; (415) 435-3528  
Dr. Steve Lonhart, Senior Scientist, Monterey Bay National Marine Sanctuary; (831) 420-3661*

Carliane provided dive support to the Smithsonian Environmental Research Center for an invasive species survey in the kelp forests between Monterey and Carmel, California, and within the Monterey Bay National Marine Sanctuary. This involved identifying and quantifying invasive species (primarily *Watersipora*) in 1-meter quadrats along certain transect lines. She also provided dive support to Monterey National Marine Sanctuary during fish and invertebrate surveys as part of the Big Sur Nearshore Characterization project, and during habitat characterization surveys at four dive sites offshore Mendocino and Marin counties within the recently expanded area of the Greater Farallones National Marine Sanctuary. (A complete listing of all dive projects by SeaJay Environmental is available at <http://www.seajayenv.com/dive-resume.html>.)

**Incident Response and Mitigation | Calhoun County, MI**

*Reference: Ms. Melanie Jarrell, Environmental Strategies, LLC; (904) 537-3507*

SeaJay Environmental provided incident response support for the Enbridge pipeline spill in Michigan. This included the evaluation of environmental effects related to proposed oil spill treatment options on marsh and wetland habitats. Other tasks included the preparation of standard operating procedures for sediment curtains and gabion boxes; and for site preparation, soil removal, and disposal activities of contaminated sediments. Also reviewed quality assurance plans and attended meetings of the National Response Team, which was operating under the National Incident Command System.

**Workshop Coordination, Planning and Reporting | Offshore Operators Committee | New Orleans, LA**

*Reference: Mr. Allen J. Verret, Executive Director (retired), Franklinton, LA; (985) 795-9756*

SeaJay Environmental worked with the Offshore Operators Committee to organize two workshops to better address health and environmental safety issues for the offshore oil and gas industry. One workshop was to understand the scope of medical evacuation assets, practices, and available procedures in federal offshore waters of the Gulf of Mexico. A workshop report was prepared that identified best management practices and gaps. The other workshop was on methods used during sandblasting and surface coating operations in the marine environment. The purpose was to obtain best management practices from offshore operators and their contractors related to procedures that can be used to minimize the discharge of spent blast abrasives and paint overspray into the Gulf of Mexico.

**Technical and Editorial Support for U.S. Federal Advisory Committee | Washington, DC**

*Reference: Mr. Kent Satterlee, President, Kent Satterlee and Associates; (713) 992-9634*

SeaJay Environmental provided technical and editorial support to the Operations and Environment Subgroup of the National Petroleum Council, a federal advisory committee. The study was requested by former Energy Secretary Steven Chu to reassess the character and potential of North American oil and natural gas resources, and the contribution that natural gas can make in a transition to a lower carbon energy mix. The resulting report, *Prudent Development: Realizing the Potential of North America's Abundant Natural Gas and Oil Resources*, was published by the National Petroleum Council in September 2011.

**ADDITIONAL PROJECT EXPERIENCE**

**State of Florida Department of Environmental Protection Litigation Support.** Helped create a searchable database of documents in support of the state's lawsuit against the U.S. Army Corps of Engineers over sharing the waters within the Apalachicola, Chattahoochee and Flint (ACF) rivers basin. This included the documentation, review, and summarization of a variety of records that were then scanned into the database and used by the State of Florida's litigation team.

**South Miami-Dade County Watershed Study, Florida.** Helped to develop a marine resources inventory of Biscayne Bay for the South Florida Regional Planning Council, which involved identifying environmental objectives for the project area, indicator species, and existing environmental conditions.

**Naval Support Activity Norfolk, Chesapeake, Virginia.** Developed an Encroachment Action Plan (EAP) to identify potential challenges that could affect the Navy's mission at their Northwest Annex. This included meeting with officials in Virginia and North Carolina to better understand their planning practices, current and future land use activities, conservation programs for land and water, and other activities, which became the basis for recommendations in the EAP.

**Avon Park Air Force Range, Highlands, Florida.** Prepared portions of the environmental impact statement addressing the use of live-fire training at the Navy's Avon Park facility. Also prepared the consistency certification required under the State of Florida's Coastal Management Program.

**Homestead Air Reserve Base, Florida.** Helped to develop an integrated natural resources management plan (INRMP) for the U.S. Air Force Headquarters 311th Human Systems Wing that would chart a ten-year course for natural resource stewardship and compliance at the base.

**Cascade / Chinook Offshore Development, Central Gulf of Mexico.** Prepared an Environmental Impact Assessment (EIA) for Petrobras America, Inc. (a subsidiary of Petróleo Brasileiro SA [Petrobras], the Brazilian national oil company) for the proposed first use of a floating production, storage and offloading (FPSO) system in the U.S. Gulf of Mexico. The EIA was submitted to the Minerals Management Service as a component of the exploration plan.

**Petrobras Produced Water Survey, Rio de Janeiro, Brazil.** Conducted a literature search and prepared a report for Petrobras that evaluated how offshore oil terminals and refineries around the world have managed their produced water discharges. Also presented the study results to the client's technical operations staff in Brazil and hosted Petrobras staff during their visit to a United States facility that treats waste from oil and gas operations in the Gulf of Mexico.

**Chevron Corporation, Houston, Texas.** Helped develop a biodiversity guidance document for Chevron that incorporated biodiversity into their existing Operational Excellence Management Systems for new projects and existing projects worldwide.

**Rubiales Field, Colombia, S.A.** Managed the due diligence review to support Marathon Oil Company's decision-making process regarding an oilfield acquisition. This included an assessment of the current operator's existing documents for compliance with health, safety, and environmental standards; Colombian environmental licensing requirements; and consistency with Marathon's policies for corporate social responsibility.

**Gulf Landing LNG Import Terminal, Offshore Louisiana.** Helped develop a port operations manual that was part of the licensing process for the Gulf Landing LNG project. Main Pass Energy Deepwater Port, Gulf of Mexico. Managed the application process associated with an onshore pipeline under Federal Energy Regulatory Commission (FERC) jurisdiction for the Main Pass Energy Hub LNG terminal project. This involved working closely with the client's team of contractors to develop the application and interacting frequently with state and federal officials to address regulatory and permitting requirements for the pipeline.

**BOOTS Deepwater Oil Port, Gulf of Mexico.** Collected vessel and shipping data and environmental information to support the licensing of a proposed deep water port, the Bulk Oil Offshore Transfer System (BOOTS), intended to accommodate large vessels for petroleum product offloading.

**Oil and Gas Development Project, Southern Gulf of Mexico.** Conducted the technical review and quality assurance of environmental documents to ensure that they met international standards associated with a large offshore development project off the coast of Mexico for a client of Citigroup to meet loan requirements from the Overseas Private Investment Corporation.

**South Dachshund Offshore Exploration, Eastern Gulf of Mexico.** Managed the preparation of an environmental impact assessment, coastal zone management consistency certification, National Pollutant Discharge Elimination System (NPDES) permit application, and best management practices and pollution prevention plan for Murphy Exploration and Production-USA.