

OVERVIEW OF FIRMS ASSOCIATED WITH SEAJAY ENVIRONMENTAL

SeaJay Environmental is part of a consortium of independent consultants, many of whom have worked together extensively at the same consulting firm over the previous 15 years. This expertise in the group covers all the disciplines needed to assist our clients with their projects particularly for National Environmental Policy Act (NEPA) and California Environmental Quality Act (CEQA) compliance. Our proven environmental permitting approaches are also designed to efficiently navigate federal, state, and local regulatory requirements. Members of the consortium are all senior level environmental scientists. This arrangement amongst our firms works well because of our trust with one another's work quality and the robust electronic technology that allows us to work remotely, thus helping to maintain low overhead and the flexibility to respond to changing project demands. The result is that our clients receive the knowledge, expertise, and quality usually associated with a larger consulting firm, but in a way that is fast-reacting and more cost-effective. Below is a summary of the capabilities and expertise of the individuals in our group

CARLIANE JOHNSON (SEAJAY ENVIRONMENTAL)

SPECIALTIES: ENERGY POLICY AND REGULATION, INTERAGENCY COORDINATION, FISHERIES SCIENCE, NEPA/CEQA

Ms. Johnson has more 30 years' experience in energy and environmental policy development, natural resource protection, environmental planning and permitting, and records management. Carliane has individually prepared, has lead, and has been a part of larger teams that have prepared environmental and regulatory documents both in the United States and abroad. For Freeport McMoRan's Main Pass Energy Hub liquefied natural gas terminal (LNG), she managed the application process associated with an onshore pipeline under Federal Energy Regulatory Commission (FERC) jurisdiction. 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. For the National Oceanic and Atmospheric Administration (NOAA) Office of National Marine Sanctuaries, she prepared two environmental assessments. One was a programmatic document to assess the effects of all existing and proposed research and ecotourism activities on great white sharks off Northern California. The other was to assess the impacts on continued discharges of U.S. Coast Guard live fire training activities in new, expanded areas of the sanctuaries. She is also adept at database management and compiling administrative records. For the National Marine Fisheries Service, Carliane developed a process to summarize and analyze Automatic Identification System (AIS) data consisting of tens of thousands of records received from ships transiting right whale management areas along the U.S. Atlantic seaboard.

CAM FISHER (48 NORTH SOLUTIONS)

SPECIALTIES: VEGETATION AND WILDLIFE SPECIALIST

Mr. Fisher has 17 years' experience conducting terrestrial and aquatic ecological studies. He develops the fish, vegetation, and water resource sections of documents prepared under NEPA; conducts essential fish habitat evaluations pursuant to the Magnuson-Stevens Act, to identify potential impacts of land use strategies on managed fisheries; develops biological assessments to identify risk and potential impacts on species listed under the Endangered Species Act (ESA); and identifies mitigation and conservation measures. He and Jan Brandt (see below) at 48 NORTH have been providing their expertise on aquatic ecology, salmonid biology, fish passage evaluations, habitat restoration and monitoring plan development. Their team is well-versed with developing Essential Fish Habitat (EFH) assessments, protected species mitigation and compliance surveys, as well as ESA Section 7 and Marine Mammal Protection Act (MMPA) consultations. For BOEM's Oil & Gas Sale Lease Sale 244

Programmatic EIS in the northern area of Cook Inlet, Alaska, Cam assessed the potential impacts of the various alternatives to fish resources, EFH, as well as recreational and commercial fisheries.

JAN BRANDT (48 NORTH SOLUTIONS)

SPECIALTIES: MARINE NOISE SPECIALIST

Mr. Brandt has 20 years' experience as an environmental planner and project manager for complex NEPA and other environmental planning studies. Jan specializes in socioeconomic and land use evaluations, conducts air quality and noise studies in support of NEPA actions, and manages public participation programs for proposed Department of Defense (DOD), commercial/municipal facilities, energy, and transportation/infrastructure projects. Jan's expertise is in the evaluation of noise studies for impact and land use planning studies. For the Naval Facilities Engineering Command (NAVFAC), Jan was the project manager for Air Installations Compatible Use Zones (AICUZ) and land use planning studies for Navy and Air Force facilities located throughout the continental United States and its territories. For NAVFAC's Marine Hydrokinetic (MHK) Advancement Initiative, which intends to advance technologies for converting the energy in waves, currents, and wind into electricity for U.S. Naval Facilities, Jan completed federal and state permitting, and ESA consultations to assess the potential impacts to ESA-listed species along the California Coast and in Puget Sound, Washington. Jan has also been providing support for fiber optic cable landings along the U.S. West Coast. This involves conducting permit feasibility studies to identify all environmental permits and reviews that would be necessary for the survey and installation of the cables, and preparing the necessary permit applications for the installation and operation of the cables. This also involved consultations with key stakeholders including federal and state agencies, as well as regional fishing groups.

GARY GOEKE (FORMER CHIEF OF THE ENVIRONMENTAL ASSESSMENT SECTION, BUREAU OF OCEAN ENERGY MANAGEMENT [BOEM])

SPECIALTIES: NEPA, TECHNICAL SUFFICIENCY REVIEW, STAKEHOLDER ENGAGEMENT

As Chief of BOEM's Environmental Assessment Section, Mr. Goeke had three units with 32 employees under his supervision. The professional staff consisted of marine biologists and coastal ecologists in the NEPA/Coastal Zone Management Unit, marine archaeologists and socio-economists in the Social Sciences Unit, and mappers and geographic information system (GIS) specialists in the Mapping Automation Unit. Gary's responsibilities included interpreting and applying NEPA as well as other pertinent environmental laws and regulations related to complex compliance issues. During his tenure, he prepared and provided guidance on approximately 16 environmental impact statements (EISs), and was often involved in controversial offshore energy programs or projects that required resolving conflicts among multiple agencies or interests. During later environmental consulting work, Gary provided support for the Tractebel LNG facility in the Bahamas in which he created and oversaw a detailed marine sampling program that included plankton sampling and analyses, video surveys of the seafloor, and diver-conducted transects for species identification and coral reef mapping.

JOHN C. PIERCE (RANGE LIGHT MARITIME CONSULTING, LLC)

SPECIALTIES: MARITIME CONSULTANT AND EXPERT WITNESS IN MARITIME NAVIGATION AND SAFETY

Mr. Pierce has 28 years' experience in maritime navigation, bridge safety and vessel inspection/auditing for the enforcement of all U.S. laws and regulations including those regarding safety and pollution prevention. A graduate of the United States Coast Guard (USCG) Academy, Mr. Pierce's career with the USCG included tours as Deck Watch Officer and Navigator aboard USCG Cutter (USCGC) Dependable and USCGC Dauntless; Senior Deck Watch

Officer, Weapons Department Head, Tactical Action Officer and Navigation Safety Training Team leader on USCGC Dallas; and Commanding Officer of USCGC Key Biscayne. He was responsible for training officers and enlisted personnel in deck safety (towing, mooring, anchoring, line handling, safe access, man-overboard, small boat operations, flight deck operations, shipyard safety), navigation safety, ship handling, law/regulation enforcement, damage control, search and rescue, and anti-terrorism/security amongst others. In his later consulting work, as part of the Williams Pipeline project in the Gulf of Mexico, John liaised with the USCG and Pilot Associations in Corpus Christi and Port Arthur, Texas, to obtain a hazard to navigation determination for offshore, subsea pipelines that Williams wished to abandon in place. Mr. Pierce reviewed all data related to the pipelines, researched other abandoned-in-place pipelines and applicable regulations, and met with agency and local stakeholders. This resulted in a successful ruling by the USCG that the segments did not pose a hazard to navigation. John also served as Court-Appointed Monitor for maritime navigation compliance during a three-year oversight program on Fleet Management Limited's (FML) vessels and training facilities. FML had agreed to an enhanced Navigation Safety Program after the collision of the container ship, Cosco Busan, with the San Francisco Bay Bridge in 2007. Duties included audit oversight, incident investigations and root cause analysis that encompassed interviewing crew, evaluating navigation logs and records for compliance with applicable laws and regulations, detailing timelines of events, examining bridge safety policy and procedures, determining why problems existed, and then reporting findings and recommendations for improvement.

DAVID MCINTYRE (MCINTYRE ENVIRONMENTAL)

SPECIALTIES: PROJECT MANAGEMENT, TRANSPORTATION, RECREATION, LAND USE

Mr. McIntyre is a seasoned project manager with 25 years of private-sector and DOD experience. He has spent over 15 years in the environmental consulting industry and more than ten years as a U.S. Marine Corps officer. Prior to moving to Tucson, Arizona, he established Ecology and Environment's (E&E) San Diego office in 2006 and grew it to 11 full-time staff with annual revenues in excess of \$2 million. Mr. McIntyre was responsible for developing E&E's geothermal energy sector. During this period, he directly managed two geothermal leasing EISs for the Bureau of Land Management (BLM) in Imperial County, California. He also served as the Principal in Charge of four Environmental Impact Reports (EIRs) under CEQA for the Imperial County Development Services Department. Previous experience includes serving as the team lead for preparation of a third-party EIS for Chevron Energy Solutions' Lucerne Valley Solar Project, a 49-megawatt solar photovoltaic project. He coordinated the project notices and public scoping meetings and led compilation of the scoping summary report. He also oversaw the review of all applicant-supplied reports related to aesthetics and visual resources, cultural/historic resources, environmental justice, hazards and pipeline safety, land use, noise, public services and utilities, recreation, socioeconomics, special management areas, and traffic—as well as the preparation of EIS sections related to those resource areas.

MARIA ELENA CONSERVA (EARTHVIEW SCIENCE)

SPECIALTIES: NEPA/CEQA PLANNING, PERMITTING AND AGENCY COORDINATION

Dr. Conserva has more than ten years of experience as an environmental planner and project manager on energy, infrastructure, and industrial projects. She has coordinated with the BLM, U.S. Forest Service, California Public Utilities Commission (CPUC), California Energy Commission (CEC), Caltrans, and county governments throughout California. She oversees the preparation of CEQA/NEPA documents and authors the following sections: aesthetic/visual resources, land use, community impacts (environmental justice, socioeconomic impacts, recreation, public services) geology, hydrology, paleontology, and water quality. In the fields of visual resources and paleontology, MariaElena specializes in providing high-quality, agency-specific technical

reports for complex projects. For visual resources assessments, she conducts agency coordination, incorporates agency-specific methodologies, and conducts visual simulations and zone of visual influence (viewshed) mapping. For paleontology projects, she performs paleontological database queries, literature reviews, and examines LIDAR data and geological maps to conduct these assessments. She has recently been preparing more than 15 studies that assessed paleontological resources along transmission line and natural gas corridors throughout California. She reviewed the paleontological databases, scientific literature, LIDAR data, geologic maps, and design plans, then prepared the reports to the California Public Utility Commission. The projects occurred in both Southern California (Riverside, San Diego, Los Angeles, and Santa Barbara counties) and the Bay Area (San Francisco, San Mateo, Alameda, and Santa Clara counties).

BRAD DAMITZ (INDEPENDENT CONSULTANT)

SPECIALTIES: MARINE AND COASTAL RESOURCE CONSERVATION AND MANAGEMENT

Mr. Damitz is a coastal management consultant with more than 20 years' experience providing strategic environmental policy guidance and developing collaborative strategies for effective marine and coastal resource conservation and management. Brad has extensive training and experience in designing and executing regulatory/permitting and collaborative processes, consensus building, report and action plan development, workshop planning, meeting facilitation, and conflict resolution. Brad is currently the project manager for the San Mateo Harbor District's Surfers Beach Pilot Restoration Project where he oversees all aspects of project planning for this multifaceted harbor dredging and beach restoration project. This work involves stakeholder collaboration and public outreach, project design and engineering, environmental review, permitting and agency consultations, and biological and physical monitoring design/planning. He also consults on and obtains funding, permits, and regulatory approvals for other harbor maintenance projects. In previous work with the NOAA sanctuaries, Brad was the lead author of NOAA's Guidelines for Desalination in the Monterey Bay National Marine Sanctuary. He also co-authored the Southern Monterey Bay Coastal Regional Sediment Management Plan and the Coastal Regional Sediment Management Plan for the Santa Cruz Littoral Cell. These state/federal plans are consensus-driven guidance and policy documents for areas along the California coast that offer options for restoring and maintaining coastal beaches and other critical areas of sediment deficit. Brad was also the lead author of the Tomales Bay Vessel Management Plan and Tomales Bay Mooring Program Requirements.