



FAIRWEATHER SCIENCE

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Fairweather Science provides efficient and high-quality solutions to a broad range of environmental issues by interpreting the applicable regulations and interfacing with relevant stakeholders to create scientifically and legally sound resolutions.

Statement of Qualifications

Fairweather Science LLC (Fairweather Science) is pleased to present the following statement of qualifications. We welcome any inquiries, and we look forward to providing innovative solutions to all of your scientific needs.

For more information, please call Sheyna Wisdom at 907.267.4611 or Jeff Hastings at 907.229.0150.

Sincerely,

Sheyna Wisdom
General Manager

What we can do for **you**

Fairweather Science, LLC, a subsidiary of Fairweather, LLC, was created in 2010 to provide specialized scientific support services to promote offshore Arctic oil and gas exploration and development. The company is managed by a team of professionals with extensive experience operating in all of Alaska's ecosystems.

Our company core values include:

Cooperation among
industry

Collaboration with
scientific community

Upholding
local values

Fairweather Science provides efficient and high quality support services

on tasks ranging from development and coordination of monitoring and scientific research, support for oil and gas exploration or development projects, design and performance of onshore and marine environmental studies (including all logistics), stakeholder engagement, cultural awareness training and consulting, data management and analysis, permitting, and scientific writing. We have earned a reputation for safety, quality, accuracy, and environmental awareness among communities all along the Arctic coast.

Our Anchorage-based team of environmental professionals has a history of operations in Alaska and extensive experience and familiarity with all of Alaska's ecosystems.

Our expertise includes the following:

- Terrestrial and marine mammal surveys and permitting
- Aerial and ground-based wildlife surveys (including FLIR)
- State and federal agency interface
- Marine science logistics
- Protected Species Observer program design and management
- State and federal permitting requirements and Plans of Operations
- Stakeholder engagement including Plans of Cooperation and community outreach
- Cultural awareness training
- Analysis and reporting of scientific data
- National Environmental Policy Act (NEPA) analysis and operational permitting
- Wetland delineation and functional value assessments

We provide effective solutions to a broad range of environmental issues by interpreting the applicable regulations and interfacing with relevant stakeholders to create scientifically and legally sound resolutions. We work side by side with our clients and maintain clear and timely communication in our working relationships. Based on involvement with controversial, high profile, and complex projects, we are sensitive to policy considerations, budget considerations, and other nuances that can affect project schedule and success. Our project management practices, in addition to effective professional relationships with key agencies and other stakeholders, allow us to meet project goals and objectives on time and on budget with superior results. Fairweather Science is committed to professionalism and integrity in our interaction with clients, agencies, and the public.



Fairweather Science and Olgoonik Corporation (the Alaska Native Corporation of the Village of Wainwright) formed a joint venture, Olgoonik Fairweather in 2008 to provide program management and permitting support services for the oil and gas industry for Arctic marine projects. Specifically, we managed a large-scale multi-disciplinary study in the Chukchi Sea for industry, entitled the Chukchi Sea Environmental Studies Program (CSESP), which lasted from 2008-2014 with zero recordable incidents. The CSESP team was awarded the Governor's Safety Award of Excellence in 2014 and the Arctic Technologies Conference Distinguished Achievement Award in 2015.

For more information on this program, please visit the website: www.chukchiscience.com

We have provided permitting and vessel management services for diverse contracts since 2010. Our clients include:

- State of Alaska
- U.S. Fish and Wildlife Service (USFWS)
- U.S. Geological Survey (USGS)
- CH2MHill Polar Services
- University of Alaska Fairbanks (UAF)
- University of Washington (UW)
- Johns Hopkins University Applied Physics Laboratory (JHUAPL)
- Southern Methodist University (SMU)
- North Slope Borough (NSB)
- Bureau of Ocean Energy Management (BOEM)

Fairweather Science has earned a reputation for safety, quality, accuracy, and environmental awareness among communities all along the Arctic coast. Our Anchorage-based team of environmental professionals has extensive experience operating in all of Alaska's ecosystems.

We welcome any inquiries and look forward to providing cutting-edge solutions to your project needs!

Safety

Our award-winning safety program has earned us loyal, multi-contract clients who have faith that their personnel will be taken care of. From safety plans to pre-field season certifications, we make sure all bases are covered and that all team members come home from work safely.

By treating all personnel like family, we have been able to accomplish:

- 9 years, zero recordable incidents during offshore and onshore operations
- Governor's Safety Award of Excellence (2014)
- ConocoPhillips Safety Ambassador Award (2011, 2014)
- Arctic Technology Conference Distinguished Achievement Award (2015)
- Subcontractor training and management
- Cultivation of a strong team-oriented environment



Relevant Project Experience

Our team of Anchorage-based scientists and project managers has extensive experience in preparing petitions for incidental take applications under the Marine Mammal Protection Act (MMPA) and Endangered Species Act (ESA), negotiating mitigation measures with federal agencies, and preparing NEPA documents; as well as conducting scientific research on marine mammals, including polar bear and walrus studies in the Beaufort and Chukchi Seas.

Examples of our relevant experience are listed below:

▪ Oil and Gas Activities

Fairweather Science has worked with the Alaskan oil and gas industry for many years. This



team of Fairweather Science professionals has cultivated strong relationships with the science leads of many of the oil and gas companies working in Alaska. All members of this team have worked closely with ConocoPhillips, Shell, and Statoil. Through our joint venture, Olgoonik Fairweather provided program management for the Shell Drilling Discharge Monitoring (DDM) Program in the Chukchi and Beaufort Seas 2012-2016. Ms. Wisdom has worked for and with BP on the Northstar project, Apache Alaska Corporation in Cook Inlet, ExxonMobil on the Point Thomson project, and many services for ConocoPhillips. She worked with the Alaska Oil

and Gas Association (AOGA) and all its members for the 2009-2011 AOGA Beaufort Sea Incidental Take Regulation (ITR) petition. She has also provided support in community outreach at Alaska coastal communities for ConocoPhillips and Shell. Ms. Hetrick supported development of ConocoPhillips's Environmental Impact Assessment (EIA) for the Chukchi Sea Exploration Project. She also worked with Shell on the company's onshore environmental studies. In Cook Inlet, she assisted NordAq Energy in permitting and environmental baseline studies to further exploration. Mr. Blank has a large network of contacts across Alaska which provides an understanding of the science behind the studies and their purpose. Ms. Ede was the stakeholder engagement and social responsibility lead for Statoil in Alaska, working with North Slope and Northwest Arctic communities.

▪ **Program and Logistics Management (a.k.a. "Cat Herding")**

Fairweather Science provides all essential functions for successful projects in Alaska including overall project management, logistical support, and project coordination. Logistics in the Arctic and remote Alaska are complex and Fairweather Science has the experience, tools, and knowledgeable staff necessary to deliver on the role. Fairweather Science has been substantially involved in program management for the past 9 years and has a strong history of vessel and science logistics coordination. Programs have included the 7-year CSESP, the 4-year Shell Beaufort Sea Mooring program, the 5-year BOEM Arctic Nearshore Impact Monitoring in Drilling Area (ANIMIDA) project, the Shell DDM program 2012-2016, and the Shell Anchor Retrieval Program in 2016.

We excel in remote, and often unpredictable, environments such as the Arctic - we make science happen!

Fairweather Science offers:

- Proven program managers
- Subject-matter experts
- Research logistics services
- Subcontractor management
- Safety training and management



▪ **Letters of Authorization and Incidental Take Applications**

Our key personnel have successfully applied for National Marine Fisheries Service (NMFS) and USFWS letters of authorization (LOAs) and incidental harassment authorizations (IHAs) for a variety of projects in the Arctic and Cook Inlet, including:

- Oil and gas exploration, development, and production
- Remote ice road/ice pad construction
- Large excavation projects
- Onshore seismic
- Offshore seismic
- Marine research activities



Our experience comes from both onshore and offshore activities, occurring during all seasons.

Ms. Wisdom has prepared multiple NMFS incidental take permit applications (1-year IHA) for Shell's anchor retrieval program in the Arctic in 2016; seismic work in Cook Inlet for Apache Alaska and SAExploration, including technical oversight and management of the marine mammal visual and acoustic monitoring program for the 2012 and 2015 seasons; for construction noise at the Port of Anchorage, pile driving on Bechers Bay Pier Replacement on Santa Rosa Island; and noise from construction and operation of a liquefied natural gas terminal facility in Washington.

Ms. Wisdom also provided technical oversight regarding effects of noise on marine mammals and MMPA take issues. In addition, Ms. Wisdom was the lead author on the AOGA petition for ITRs for the Beaufort Sea in 2009. Ms. Wisdom has developed a strong relationship with key NMFS personnel, assisting in the development of the Recovery Plan for Cook Inlet beluga whales, as well as a contractor to NMFS authoring marine mammal and noise sections of large-scale NEPA projects in the Arctic.

Mr. Blank has participated in the AOGA workgroup as representative of ConocoPhillips for the development of ITRs for polar bear and walrus in the Chukchi Sea from planned offshore exploration and development activities, and has aided in application for and compliance with LOAs for oil and gas operations on the North Slope.

▪ Federal and State Permitting

Anyone can apply for a permit, but why choose just *anyone*? Our personnel have cultivated strong relationships with clients and agencies. We know the policy, the science, the industry, and how to achieve success through collaboration and commitment to Alaska's sustainable development.

- ✂ Ms. Wisdom has 17 years of experience in environmental consulting; a majority of that time has been working on environmental compliance throughout the U.S. with an emphasis on biological and noise sections NEPA documents.
- ✂ Ms. Kendall has authored biological sections in EISs as well as completed Categorical Exclusions and Environmental Checklists for a variety of projects throughout Alaska. She continues to provide general NEPA support to Hilcorp in Cook Inlet.
- ✂ Ms. Hetrick has managed full-scale permitting programs and compliance matrices for high-profile clients including Accumulate Energy and Olgoonik. She has authored biological sections of EAs and EIAs on the North Slope and in Cook Inlet, as well as for precious metal mines in remote western Alaska. She has also developed best interest findings and helped develop a management framework for a proposed big game guide concession program for the State of Alaska.
- ✂ Ms. Ede has worked on NEPA analysis for EAs and EISs, including managing scoping and draft EIS comments in coordination with the lead agency.
- ✂ Ms. Buckmaster has a wide variety of permitting experience and has worked with local, state and federal agencies to obtain land use, water use, biological, and cultural clearance authorizations. She has supported efforts to acquire permits for drilling and geophysical exploration, new infrastructure and facilities development, as well as maintenance and operations approvals for producing facilities. Ms. Buckmaster routinely serves as an interface between project owners and the owner's contractors, relevant regulatory agencies, and subcontracted staff. Ms. Buckmaster's current oil and gas exploration and production clients depend on her experience in preparation of project permits and managing permit compliance documentation.

FWS has extensive experience working with key permits:

- MMPA & ESA permitting
- Plans of Operations
- NEPA analysis
- NPDES
- Section 404 Corps of Engineers wetlands permits
- Letters of Authorization
- Incidental Harassment Authorizations
- Clean Water Act

- **Onshore Environmental Studies**

Fairweather Science team members have experience designing and implementing terrestrial surveys to provide environmental data to support permitting and compliance. Ms. Hetrick has participated in an ongoing, multi-year avian (passerine and raptor) survey in Western Alaska and data management of over 7,000 avian entries. This project included the design and implementation of surveys to characterize spatial and temporal baseline avian presence that can be used to evaluate potential impacts of the project and monitor effects. Additionally, this baseline information facilitates the permitting process, complies with granted permits, and provides ecological service parameters. In addition, she has conducted several avian monitoring programs throughout the high plains region of the U.S. and South Carolina for alternative energy, precious metal mines and oil and gas projects. Following implementation of surveys, she developed comprehensive baseline reports summarizing purpose, methods, and results. Ms. Hetrick has also conducted threatened and endangered avian species (namely the yellow-billed loon) surveys and is familiar with federal regulations, survey guidelines and reporting requirements pertaining to those species. Justin Blank has worked with numerous onshore environmental studies on the North Slope since 2007 for high-profile clients including ConocoPhillips. Specifically, Mr. Blank's experience involves coordination of a multi-disciplined, helicopter-based studies program near the Colville River Delta. Mr. Blank plays a lead role in study design, project logistics and field data collection, analysis, and reporting.



Annual polar bear denning surveys across the North Slope

are led by Mr. Blank. The program implements a savings strategy in which participating companies share survey costs, as well as the resulting data. Mr. Blank has earned a solid reputation for thoroughness as well as timeliness, and his work is commended by the United States Fish and Wildlife Service. FLIR surveys are flown prior to off-road winter work to ensure that human activity does not encroach on denning bears.

- **Marine Mammal Research**



Ms. Wisdom has been involved with marine mammal research since 1996. She was

an intern at the Kewalo Basin Marine Mammal Laboratory in Hawaii and the Cetacean Behavior Laboratory at San Diego State University. She worked with researchers at Hubbs-Sea World Research Institute (HSWRI) in San Diego on gray whale sound production, as well as effects of noise on marine mammals and avian species. She continues to collaborate with researchers from the HSWRI and Scripps Institution of Oceanography in studying the sound production of gray whales in the breeding/calving lagoons in Baja

California. She participated as a field technician in underwater noise monitoring programs for the Port of Anchorage, Apache Alaska, BP Northstar, and CSESP. She was also a field technician to characterize industry sound levels in maternal polar bear dens at Milne Point. She supported principal investigator (PI) of the marine mammal survey of CSESP, was the PI for the Apache Alaska and SAExploration seismic marine mammal monitoring programs in Cook Inlet, and the PI for the Shell Anchor Retrieval marine mammal monitoring program.

Ms. Kendall has been involved in marine mammal research since 2005, and has conducted both visual and acoustic monitoring

of the Cook Inlet beluga whale at the Port of Anchorage Project. She examined habitat use, distribution and construction impacts on Cook Inlet beluga whales adjacent to the MTR Project. She participated in the health assessments of two beluga whale populations (Bristol Bay and Chukchi Sea); worked on the North Slope Borough's 2010 bowhead whale census near Barrow, Alaska; and participated in the analysis of acoustic data collected by the Alaska Department of Fish and Game (ADF&G) from an ongoing passive acoustic monitoring program conducted in Cook Inlet.



Mr. Blank mapped polar bear denning habitat on the Colville River Delta as his thesis research project. His analysis and produced data have been used by both USFWS and oil and gas operators to responsibly coordinate activities.

Ms. Hetrick and Ms. Sitkiewicz have participated as marine mammal observers

during the CSESP program. Together, they provided support to the PI of the marine mammal survey of the CSESP. Ms. Hetrick has also developed and implemented marine mammal monitoring and mitigation programs.



▪ **Community Engagement**

Fairweather Science is committed to building and maintaining strong relationships with local Alaskan communities through:

- Traditional Ecological Knowledge workshops
- Cultural awareness training
- Stakeholder interfaces with key contacts
- Long-term established relationships
- Community outreach

Since 2008, we have worked with Alaskan Arctic stakeholders to develop strategies for providing research opportunities without causing conflict with subsistence harvest activities. Our stakeholder interface consists of regular and timely communication throughout all steps of a project. Before project work begins, Fairweather Science holds Traditional Knowledge workshops and cultural awareness training for all employees. We also work directly with the Iñupiat Communicators/Observers hired for offshore programs.

Maintaining a healthy balance between a subsistence lifestyle and ongoing cultural changes from outside influences requires careful and effective coordination. With the continued increase in potential for conflicts, the need for development of long-term relationships and open communication strategies with community members and agencies is imperative for the continued existence of Alaska Native communities. Ms. Wisdom and Ms. Ede have worked extensively with Alaska stakeholders to build these trusted relationships based on transparency, cooperation, and clear communication.



Fairweather Science - Key Personnel

Sheyna Wisdom

General Manager
Anchorage, AK



Sheyna Wisdom has 17 years of environmental consulting, program management, and research experience with an emphasis in acoustics and marine mammal biology. Her specific expertise and passion is obtaining permits and implementing monitoring programs in accordance with the MMPA, ESA, NEPA, and other Federal, state, and local regulations. She has cultivated strong relationships with agency personnel and is particularly adept as the interface between the client and the relevant agency to ensure project success from cradle to grave and is well versed in the subtle nuances among all the related, but different requirements. She has been program manager for multiple large-scale marine research programs in the Arctic for the last 10 years for industry, universities, and research organizations. In this role, she has been responsible for over

200 subcontractors working in the Arctic marine environment, including project design, safety training and management, client/agency interface, permitting and reporting, financial management, vessel and logistics, and community/stakeholder outreach. A testament to the success of these programs is ZERO recordable injuries or incidents over a 9-year period of offshore vessel operations. Sheyna was awarded ConocoPhillips Safety Ambassador Award and was nominated for Shell’s Upstream Impact Award. CSESP, a jointly-funded industry marine research program, was awarded the Governor’s Safety Award for Excellence and the Arctic Technologies Conference Distinguished Achievement Award. She has developed strong relationships with communities across the Alaskan arctic coast and thoroughly enjoys traveling to remote villages to collaborate with community members. Because of her “cat-herding” skills, Sheyna was selected as a member of the Science Technical Advisory Panel for the North Slope Science Initiative, a new member of the Prince William Sound Science Center Board of Directors, and works closely with the newly formed Arctic Waterways Safety Committee. Prior to moving to Alaska in 2006, Sheyna lived in California as a biologist/noise analyst working throughout the U.S. with specific emphasis on assessing impacts of noise on wildlife and people. She remains actively involved in marine mammal research when possible, teaming with scientists conducting research in Hawaii, Mexico, California, and Alaska.

Qualifications

BS, Biology, Eastern New Mexico University, Portales, New Mexico, 1995
MS, Marine Science, University of San Diego, San Diego, California, 2000
17 years of experience

Expertise and Experience

- Specific expertise in assessing impacts, obtaining permits, implementing mitigation and monitoring programs, and project compliance related to marine mammals and noise in accordance with MMPA, ESA, and NEPA, and other guidelines.
- Specific expertise in program management of large-scale, multi-disciplinary marine projects for the oil and gas industry, universities, agencies, and organizations.
- Expertise in the assessment of impacts of noise on wildlife, both terrestrial and aquatic.
- Extensive experience in the use of various sound-level meters, spectrum analyzers, hydrophones, autonomous sensors for detecting marine mammal calls, various recording equipment, and sound analysis software



Justin Blank

Senior Scientist
Anchorage, AK



Justin Blank has 11 years of experience in marine mammal biological research, field studies, marine mammal and endangered species consultation (MMPA and ESA), NEPA compliance, and permitting. He is the FWS senior project manager/operations supervisor, and is extremely skilled in client interface and problem solving on the fly. Mr. Blank has worked various polar bear issues with nearly all of the oil and gas companies on the North Slope. He communicates and works with the USFWS contacts on a regular

basis. Mr. Blank has prepared LOA applications for both large and small oil and gas project on the North Slope. He has written many documents on polar bear avoidance/interaction and is a qualified to administer classroom-based deterrence training, as directed by the USFWS. Mr. Blank has prepared technical reports and works daily on environmental documents, permitting projects and agency consultation.

Mr. Blank has also conducted independent research on polar bear denning habitat and has been involved in polar bear den detection across the North Slope since 2008. Mr. Blank manages an annual multi-contract FLIR polar bear den survey program, and has implemented successful cost and data sharing strategies. He maintains an active relationship with polar bear biologists at the USFWS, and works closely with them to design and administer the program.

Qualifications

BS, Environmental Science,
Alaska Pacific University,
Anchorage, AK, 2006
MS, Applied Environmental
Science and Technology,
University of Alaska Anchorage,
Anchorage, AK, 2013
11 years of experience

Expertise and Experience

- Drafting LOA and Wildlife Interaction Plan documents for onshore oil and gas exploration, production, and operation.
- Experience in biological research, field studies, marine mammal and endangered species consultation (MMPA and ESA), and NEPA compliance and permitting.
- Intimately familiar with the geography of the North Slope and how polar bears use the habitat.
- Experience working with North Slope facilities on wildlife management.
- Extensive time traveling across the North Slope, including remote locations.
- Background includes a variety of wildlife research and desktop review to support EIS, Environmental Impact Assessment (EIA) and NEPA analysis.
- Specialized in remote, complex, onshore science and research logistics.

Willow Hetrick

Senior Permitter
Anchorage, AK



Willow Hetrick’s background includes a variety of marine and terrestrial biology research and NEPA analysis. She has seven years of professional experience combined with a lifetime of local knowledge of Alaska’s natural resources and natural resource development history. She has experience collaborating on projects with state, federal, public, NGOs and private stakeholders. Her work experience has been in state and federal permitting, regulatory compliance, and cultural community sensitivities. She received a graduate certificate from the UAA college of Engineers, Applied Environmental Science & Technology Department in Environmental Regulations & Permitting. She possesses strong writing skills and the ability to meet objectives, budget and schedule. She is proficient in literature and policy research for experimental design of research projects and the development of compliance and management plans for clients.

Ms. Hetrick has extensive experience in all levels of permitting management. Her strengths lie in the complexities of researching and compiling documents for exploration and development programs, which include on/off-shore oil and gas, as well as mines. She is decisive and detail-oriented, which has earned her a high level of respect among FWS’s diverse and high-profile clientele.

Qualifications

BA, Marine Resource Management, Minor: Biology, University of Hawaii, Manoa, 2006
MS, Natural Resources and Environmental Management, University of Hawaii, Manoa, 2009
Graduate Certificate, Environmental Planning, University of Hawaii, Manoa, 2009
Graduate Certificate in Environmental Regulations & Permitting, University of Alaska, Anchorage, 2017
7 years of experience

Expertise and Experience

- Background includes a variety of wildlife research and desktop review to support EIS, EIA’s, and NEPA analysis.
- Authored EAs and EISs to satisfy NEPA requirements of the Bureau of Land Management (BLM), USFWS, and United States Army Corps of Engineers (USACE).
- Experience in state and federal permitting, regulatory compliance, baseline wildlife studies, cultural community sensitivities, reference organization, report writing and base office coordination for field environmental technicians.
- Experience focuses on biological resource issues in project permitting and planning.
- Field experience includes vegetation surveys, habitat mapping, pre- and-post wind energy construction avian and bat surveys, raptor migration surveys and ground-based nest searches, prairie-chicken lek surveys, avian point-count surveys, marine mammal and seabird surveys, aerial terrestrial big game and raptor surveys and wetlands delineation and Waters of the U.S. mapping.
- Experience collaborating on projects with state, federal, public, NGOs and private stakeholders.
- Experience in researching and compiling documents for exploration and development programs, which include on/off-shore oil and gas and precious metals mines
- Proficient in literature and policy research for experimental design of research projects and the development of compliance and management plans for clients.
- Drafting LOA, IHA and Wildlife Interaction Plan documents for offshore oil and gas exploration and drilling operations.

Miranda Buckmaster

Project Scientist
Anchorage, AK



Miranda Buckmaster has more than seven years' experience in both the upstream and downstream sectors of the oil and gas industry. For three years, she managed bulk petroleum sales for fleet accounts and tracked inventory and financial accounts for an oil distributor in Montana. For over four years, she has focused on environmental consulting in the upstream sector by coordinating environmental permitting, compliance tracking, water use tracking, and by supporting environmental and cultural studies activities in Alaska. Ms. Buckmaster has a wide variety of permitting experience and has worked with local, state and federal agencies to obtain land use, water use, biological, and cultural clearance authorizations. She has supported efforts to acquire permits for drilling and geophysical exploration, new infrastructure and facilities development, as well as maintenance and operations approvals for producing facilities. Ms.

Buckmaster has strong technical writing practices which she has utilized to draft and finalize standard operating procedures, project descriptions, and plans of operation. She has lead large groups of contributors using her detailed and efficient communication skills to organize and facilitate effective interaction between environmental coordinators, designers, engineers, and legal staff to finalize documents required by natural resource regulators. Ms. Buckmaster also has extensive compliance tracking, database administration, and reporting experience for both existing field and new development projects.

Qualifications	Expertise and Experience
<p>BA, History, Montana State University, Bozeman, MT, 1999</p> <p>MA, History, Montana State University, Bozeman, MT, 2003</p> <p>> 7 years of experience</p>	<ul style="list-style-type: none"> • Coordinator for development of plans of operations for onshore oil and gas exploration, production, and operation. • Extensive experience in compliance database administration for environmental permitting and reporting requirements. • Experience interfacing and organizing communications between multiple client working groups. • Background includes a variety of permitting experience with state, local and federal agency regulations including NEPA. • Research includes interdisciplinary approaches to indigenous and non-indigenous cultural resources.

Ella Ede

Stakeholder Engagement / Project Manager
Anchorage, AK



As a life-long Alaskan, Ella has over 20 years of experience working with the oil and gas and mining industries, including providing consulting services. Her experience includes environmental management, NEPA analysis, stakeholder engagement with the indigenous people of Alaska, and public relations on large Alaska projects. Ella Ede was previously the Stakeholder Engagement Manager for Statoil Alaska, responsible for social performance, community relations, and communication with external and internal stakeholders. She was the environmental project manager for the Pebble Mine Project for three years, and previously worked in consulting following the Exxon Valdez Oil Spill managing environmental studies to establish baseline conditions and determine impacts. She is currently on the board of directors' executive committee of the Alaska Resource Development Council.

Qualifications

BA, University of California, Berkeley, Bachelor of Arts, French/International Business, 1989
> 20 years of experience

Expertise and Experience

- State and federal government affairs experience related to Arctic energy policy, oil and gas development, mining, infrastructure, and fiscal policy and planning.
- Community outreach and local government relations including strategic planning, developing and implementing the stakeholder engagement plan, communications plan, and messaging for community and regulatory engagement, with primary focus on communicating relevant environmental issues and addressing community concerns.
- NEPA analysis for EAs and EISs for large Alaska development projects, including management of scoping and draft comments and responses.
- Managing large, multidiscipline environmental projects with complex scopes working with numerous contractors.
- Lived, traveled, and worked in the Arctic and rural communities throughout Alaska.

Sioned Sitkiewicz

Staff Scientist
Anchorage, AK



Ms. Sioned Sitkiewicz was hired in 2012 as a research technician for the Chukchi Sea Environmental Studies Program (CESP) program. She has worked as a discipline lead offshore in areas of benthic ecology, zooplankton ecology, and ocean acidification, and has marine mammal and seabird observing experience. She has also provided logistical and expediting support, prepared a variety of data summaries, analyses, and technical reports, and assists with permitting and compliance work. Ms. Sitkiewicz has a diverse lab and field background, including large-scale land restoration and research, vegetation surveys, and aquatic toxicology testing techniques. She specializes in writing and technical editing, and has coordinated North Slope community outreach events. She is the Fairweather Science Health, Safety, and Environment (HSE) representative, and provides in-house graphic and logo design.

Ms. Sitkiewicz is also currently a full-time graduate student at Alaska Pacific University studying the effects of a highly infective fish parasite on growth and condition of economically significant Alaskan fish species; pollock, Pacific halibut, and Pacific cod.

Qualifications	Expertise and Experience
<p>BA, Biology: Hope College, Holland, MI, 2012.</p> <p>Minor: Environmental Science</p> <p>5 years of experience</p>	<ul style="list-style-type: none"> • > 3,000 hours of sea time; an experienced offshore field lead and technician in remote Arctic offshore regions • Experienced in conducting marine mammal and seabird surveys, zooplankton collection, benthic and sediment sample collection, CTD and ocean acidification data collection • Experience with scientific research design and coordination • Logistics, project planning, and expediting support • Permitting and compliance support • Experience in fish health surveys and fish quality assessment techniques • Experience with laboratory tools and techniques including genetic analyses • Proficient in GIS • Fairweather Science Health, Safety, and Environment (HSE) representative • Terrestrial vegetation surveys and agricultural studies • Skilled in scientific writing and technical editing, data reports and analyses • North Slope community outreach design and coordination • Logo and marketing graphic design

Tanja Davis

Senior Cost Analyst
Anchorage, AK



Tanja Davis has specialized in project controls in the oil and gas industry since 2006. Ms. Davis joined Fairweather Science in 2014 and is responsible for cost management, reporting, analysis, and billing. Prior to the moving to the oil and gas industry, Ms. Davis worked in the international business field specializing in harmonized tariff code classifications, complete import and export documentation, international logistics, banking and planning, and scheduling.

Qualifications

International Business Certification by Chamber of Commerce, Karlsruhe, Germany (1988)
NIMS ICS 300 – Intermediate ICS for Expanding Incidents (2013)
Project Management in Primavera – P6 Course 102-P (2013)
11 years of experience in project/cost management
18 years of experience in import/export

Expertise and Experience

- Over 20 years of experience in project cost management.
- Financial report reviews, financial reports to clients, and monitors project budgets.
- Cost planning, scheduling, and coordination of several large-scale projects in the Arctic.
- Project and company specific cost analysis to determine potential future savings.
- Highly effective at troubleshooting and problem solving; skilled at developing new processes, procedures and systems to meet challenges.
- Computer literate with experience in Microsoft Word, Excel and export/import documentation programs. Operated AS-400-based EDP system, SAP, EDI and Business Warehouse.
- Exceptional office, organizational, and multi-tasking skills.

Fairweather Science – Key Subcontractors

Lindsey Saxon-Kendall

Marine Mammal Biologist
Anchorage, AK



Lindsey Kendall has more than eight years of experience in marine mammal biological research, field studies, marine mammal and endangered species consultation (MMPA and ESA), NEPA compliance, and permitting. Over the past four years, Ms. Kendall has worked as a contractor to Fairweather Science various marine mammal monitoring programs, including the Apache Alaska Cook Inlet seismic program in 2012, SAExploration’s Cook Inlet seismic program in 2015, and the Shell Anchor Retrieval Program in 2016. She prepared the BA, assisted with their IHAs and completed weekly, monthly and annual reporting for their marine mammal monitoring program. Ms. Kendall has prepared technical reports and she has worked on environmental documents, permitting projects and agency consultation. She has assisted in preparing NEPA documents in Alaska including the Natural Environment sections for the Knik Arm Crossing EIS and the Sterling Highway Mile Post 45-60 Supplemental EIS. She prepared the Don Young’s Road Categorical Exclusion; completed agency consultation, prepared and submitted pertinent permit applications for the Hillside Transmission Main and the Campbell Creek Bank Stabilization Projects.

Qualifications

BA, Biology/Zoology,
University of Montana,
Missoula, Missoula, MT,
2001
MS, Environmental
Science/Marine Biology,
Alaska Pacific University,
Anchorage, AK, 2010
> 8 years of experience

Expertise and Experience

- Experience in marine mammal biological research, field studies, marine mammal and endangered species consultation (MMPA and ESA), and NEPA compliance and permitting.
- Prepared BAs and assisted with IHAs and completed weekly, monthly and annual reporting for their marine mammal monitoring program.
- Research has involved both visual and acoustic monitoring of the Cook Inlet beluga whale at the Port of Anchorage Marine Terminal Redevelopment (MTR) Project.
- Research included the examination of habitat use, distribution and construction impacts on Cook Inlet beluga whales adjacent to the MTR Project.
- Drafting LOA and Wildlife Interaction Plan documents for offshore oil and gas exploration and drilling operations.
- Background includes a variety of wildlife research and desktop review to support EIS, EIA, and NEPA analysis.