



SIONED E. SITKIEWICZ

ssitkiewicz@alaskapacific.edu

KEY SKILLS

- Field crew management
- Research design
- >3,000 hours of remote Arctic sea time
- 5 years consulting experience
- Logistics planning and coordination
- Scientific writing and technical editing

CERTIFICATIONS

- Marine Off-Shore Survival certified 2012, 2014, 2016
- Adult CPR/First Aid 2012, 2014, 2016
- North Slope Training Cooperative (NSTC) certified 2014
- TWIC card holder 2014
- SCUBA Certified (SSI) 2012
- Oiled Sea Otter Rehabilitation certification
- 8 hour HAZWOPER

EDUCATION

2015-present

MS Environmental Science
Alaska Pacific University/Fisheries, Aquatic Science & Technology (FAST) Lab, Anchorage, Alaska

Current GPA: 4.0

2012

BA Biology
Environmental Science Minor
Hope College, Holland, Michigan

GPA: 3.7

Honors:

- Magna Cum Laude
 - Sigma Xi Research Award
 - Phi Beta Cappa Academic Honor Society
 - Presidential Scholar
 - Distinguished Artist Award
 - Dean's List
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OVERVIEW

Ms. Sioned Sitkiewicz is from Downers Grove, Illinois. She moved to Alaska in 2012 to work as a research technician for the Chukchi Sea Environmental Studies Program (CSESP). Since, she has worked as a Discipline Lead in the offshore Arctic in areas of benthic ecology, zooplankton ecology, and ocean acidification, and has at-sea marine mammal and seabird observing experience. She has also provided logistics planning and expediting support, prepared data summaries, analyses, technical reports, and project proposals, and assists with permitting and compliance work. Ms. Sitkiewicz has a diverse lab and field background, including large-scale land restoration, vegetation surveys, aquatic toxicology testing techniques, GIS mapping, and genetic laboratory analyses. 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) lead, and provides in-house graphic and logo design.

Ms. Sitkiewicz is currently a full-time graduate student at the Alaska Pacific University Fisheries, Aquatic Science & Technology (FAST) Lab, studying the effects of a highly infective fish parasite on growth and condition of economically significant Alaskan fish species; walleye pollock, Pacific halibut, and Pacific cod.

EXPERIENCE

2013-present

Staff Environmental Scientist, Fairweather Science – Anchorage, AK

- Permitting & Compliance:
 - Provide permitting and compliance support to ConocoPhillips GMT1 and GMT2 North Slope projects. Includes construction of a compliance roadmap and permit tracking database, and administrative record maintenance.
 - Lead of Fairweather Science HSE compliance documents and updates (i.e., ISNetworld account manager, OSHA reporting, EMR & insurance procurement, etc.)
 - Assisted in EPA toxicity reporting during the Shell Drilling Discharge Monitoring project
 - Conducted a detailed comparison review of 2014 vs. 2011 BOEM Lease Sale EIS
 - Prepared ADF&G Fish Habitat permits
 - Support on writing CSESP bird-vessel interaction reports.
 - Constructed several permit matrices
- Arctic Research Discipline Lead:
 - Led CSESP data collection in benthic ecology, plankton ecology, and ocean acidification in the Northeastern Chukchi Sea (2012-2014)
- Protected Species Observer:
 - Worked as a marine mammal and seabird observer for the CSESP in the Northeastern Chukchi Sea (2012-2013)
- Logistics & Expediting:
 - Lead of inventory control for the CSESP; planning support and purchase of scientific supplies, asset shipping and tracking, research vessel mobilization and demobilization (out of Seattle, WA, Prudhoe Bay, AK, Nome, AK, Seward AK), vessel crew change oversight support
- Stakeholder Engagement:
 - Support creating informational documents (including Stakeholder Engagement Plans and Media Plans) for North Slope stakeholders, and developed a successful week-long science community outreach program in conjunction with the Barrow, AK Youth Leadership Program. Designed a series of marine biology courses and activities targeting high school aged North Slope Borough youth, and managed a team of University of Alaska Fairbanks scientists as well as all logistical and travel components. (2014)
- Safety:
 - Fairweather Science Health, Safety, Environment (HSE) representative. Procure compliance documents and manage ISNetworld account, OSHA reporting, EMR & insurance procurement, etc.
 - Support to in pre-field season safety training; Mustang© and immersion suit fitting, Cold Water Survival training scheduling and renewal management, supply team/project-specific Personal Protective Equipment to research vessels
- Graphic Design:
 - Designed marketing materials including brochures for Fairweather Science, Olgoonik Fairweather, and Norseman Maritime
 - Produced logos for; Chukchi Sea Environmental Studies Program (CSESP), Automatic Helicopter Landing Logger© (AHLL), Olgoonik Fairweather Safety, Fairweather Science Women's Run, and Shell Anchor Retrieval Project
- Technical Writing & Editing:
 - Extensive experience writing and editing; data and compliance reports, project proposals, scientific research

2015-present

Alaska Pacific University Graduate Student, FAST Lab, Anchorage, AK

- Full-time student, thesis entitled; *Effects of the Parasite Ichthyophonus (sp.) on Groundfish Growth and Fitness*. Entails project design and communication, committee management and

regular progress update reporting, planning and coordination of summer field seasons, field crew personnel management, data analyses, and scientific writing.

2015-present

Alaska Department of Fish and Game Volunteer, Anchorage, AK

- Provide support on razor clam population surveys out of Homer, AK. Work with a team to use manual survey techniques to liquefy substrate in sampling transects and extract and count specimens. Experience working with and writing reports on resulting data.

2015

Volunteer Research Assistant, APU FAST Lab, Anchorage, AK

- Assisted with data processing to APU graduate student Sabrina Larson, studying triploidy in hatchery salmon. Prepared fish tissue for analysis.

2012-2013

Arctic Research Technician, Fairweather Science – Anchorage, AK

- Performed extensive field data collection in the Arctic Ocean (Northeastern Chukchi Sea) in discipline areas of benthic ecology, zooplankton ecology, mammal and seabird observation, and ocean acidification. Skilled in at-sea sampling techniques across a wide variety of disciplines.

2008-2012

Multi-disciplinary Researcher, Hope College – Holland, MI

- Designed entomological research projects with Dr. Tom Bultman. Topics included; effects of a fungal endophyte on an insect primary consumer, parasitoid host preference based on host diet, and fungal endophyte infection of Canada wild rye. (2008-2012)
- Investigated the heavy metal content in street sweeper and catch basin waste in the Macatawa Watershed, MI using EPA standard collection, methodological, and analytical methods. Presented final work to the Macatawa Watershed Council. (2011)

2012

Aquatic Toxicology Technician, Environmental Resources Management – Holland, MI

- Assisted toxicity lab analysts with performing Whole Effluent Toxicity testing on water samples from various clients. Assisted in raising test organisms (fathead minnows, daphnia, and brine shrimp) according to EPA methods and standards.

2011

Robert F. Betz Internship, Fermilab Natural Areas – Batavia, IL

- Worked with a large-scale land conservation and restoration team to identify, collect, distribute, process, record, and trade seeds of over 100 prairie, forest, and wetland plant species. Final deliverable included presenting a talk attended by all supervisors and internship sponsors.

2010

Summer Research Student, Hope College – Holland, MI

- Hope College Summer Research Program independent student project; *Tritrophic Effects of a Fungal Endophyte: Parasitoid Host Preference*. Work included deliverables: research proposal and design, data collection and analysis, authorship of in-house research paper, and final presentation to advisers and peers.

PUBLICATIONS

- **Sitkiewicz, S.**, Harris, B. 2017. Effects of the Parasite Ichthyophonus of Groundfish Growth and Condition. Poster session presented at: Alaska Marine Science Symposium; Anchorage, Alaska.
- Hetrick, W., and **Sitkiewicz, S.** 2017. Assessing Bird Interactions with Vessels in the Arctic. Poster session presented at; Alaska Marine Science Symposium; Anchorage Alaska.
- **Sitkiewicz, S.**, Geck, J. Annual Yukon River Temperature Patterns and Parasite (Ichthyophonus sp.) Progression. Poster session presented at: Alaska Pacific University Geographic Information Systems Review; 2016 Anchorage, Alaska.

- **Sitkiewicz, S.,** Harris, B. 2017. Effects of the Parasite Ichthyophonus of Groundfish Growth and Condition. Poster session presented at: Alaska Marine Science Symposium; Anchorage, Alaska.
- Hetrick, W., and Sitkiewicz, S. 2017. Assessing Bird Interactions with Vessels in the Arctic. Poster session presented at; Alaska Marine Science Symposium; Anchorage Alaska.
- **Sitkiewicz, S.,** Geck, J. 2016. Annual Yukon River Temperature Patterns and Parasite (Ichthyophonus sp.) Progression. Poster session presented at: Alaska Pacific University Geographic Information Systems Review; Anchorage, Alaska.
- **Sitkiewicz, S.,** Geck J. 2015. Migrant and Vagrant Birds of the Northeastern Chukchi Sea. Poster session presented at: Alaska Pacific University Geographic Information Systems Review; Anchorage, Alaska.
- **Sitkiewicz, S.,** Harris, B. 2015 Effects of Ichthyophonus on Groundfish Growth and Fitness. Poster session presented at: American Fisheries Society Meeting; Seward, Alaska.
- Hetrick, W., Aerts, L.A.M., Blanchard, A., Delarue, J., Wisdom, S., **Sitkiewicz, S.** 2014. Exploring the Relationship Between Gray Whale Distribution and Preferred Prey Species in the Northeastern Chukchi Sea. Poster session presented at: 2014 Alaska Marine Science Symposium; 2014 January 20-24; Anchorage, AK
- Hetrick, W., Aerts, L.A.M., Blanchard, A., Delarue, J., Wisdom, S., **Sitkiewicz, S.** 2013. Exploring the Relationship Between Gray Whale Distribution and Preferred Prey Species in the Northeastern Chukchi Sea. Poster session presented at: Society of Marine Mammalogy Conference, New Zealand, 2013.
- **Sitkiewicz, S.,** Bultman, T. Tritrophic Effects of a Fungal Endophyte: 2011. Parasitoid Host Preference. Poster Presented at: Hope College Research Symposium; Holland, Michigan.
- **Sitkiewicz, S.,** Bultman, T. 2011. Tritrophic Effects of a Fungal Endophyte: Parasitoid Host Preference. Poster Presented at: Hope College Research Symposium; Holland, Michigan.

ADDITIONAL SKILLS

General Research:

- Project planning
- Marine mammal and seabird surveys
- Invertebrate sampling
- Water sampling
- qPCR/PCR
- Vegetation surveys
- Aseptic tissue technique
- Parasite diagnostics
- Laboratory etiquette

Computer:

- Proficient in Microsoft Word, Excel, Power Point
- GIS, Arcmap 10 software
- R statistical software
- Python software
- ISNetworld
- Technical editing and formatting

Other:

- Scientific and creative writing, effective communication, teamwork, initiative
- Asset tracking and expediting
- Marketing and graphic design
- Public speaking
- Decision making and problem solving

COLLEGE ACTIVITIES

- Geology Club (Vice President)
- Alpha Phi Omega Service Fraternity (Historian of Hope College Nu Beta Chapter)
- Tri-Beta Biology Honors Society (Member & awardee)
- New Student Orientation Leader