

Karen L. Brown

Anchorage, AK | karen.brown@gmail.com | 907.123.4567

SUMMARY OF QUALIFICATIONS

- Experience conducting various research within a laboratory and in the field, including biology, ecology, physiology, pharmacology, animal behavior, and conservation research
- Animal husbandry experience including direct handling of small and large mammals, and invertebrates
- Skilled at working outdoors in both extreme heat and cold in remote locations with highly variable weather conditions
- International experience with People to People Student Ambassadors program in Australia
- Effective at working independently and collaboratively as part of a team, as well as supervising others and leading projects
- Proficient in database management and Microsoft Office including Word, PowerPoint, Outlook, OneNote & Excel

EDUCATION

Bachelor of Science in Marine Biology
University of Alaska Southeast, Juneau, AK
Current Cumulative GPA: 3.61

December 2024

Relevant Coursework:

- Animal Behavior
- Field Studies in Behavior and Ecology
- Genetics and Evolution

Student Organizations:

- Marine Biology Club President,
- Student Alumni Association Director

RESEARCH EXPERIENCE

Clam Survey/Oyster Farm Volunteer

Summers 2012 & 2013

Alaska Department of Fish and Game (ADF&G), Prince of Wales Island, AK

Assisted ADF&G with clam surveys and oyster farming in Craig, Naukati, and Token Bay, Alaska.

- Learned how to perform line transects on a large-scale, how to identify clam species, the regulations surrounding mariculture nurseries and farms
- Assisted in the operations of several oyster farms, recording and analyzing data

Harbor Seal Research Volunteer

Summer 2010

ADF&G, Endicott Arm, AK

Participated in harbor seal population study aboard research vessel for ADF&G. Study included a 100 mile radius around Southeast Alaska.

- Learned how to handle large marine mammals,
- Assisted in the collection and preparation of blood and tissue samples
- Recorded data as research was conducted
- Analyzed blood samples in the on-board laboratory
- Aided in tracking tagged seals via radio telemetry

Sitka Marine BioBlitz

Summer 2010

ADF&G and NOAA, Sitka, AK

Selected by Associate Professor of Biology at the University of Alaska Southeast (UAS) to form and lead a group of students who would perform conservation tasks for the Sitka Marine BioBlitz.

- Learned about the conservation concerns regarding native and invasive tunicate species in Sitka, Alaska
- Performed line transects, and tunicate species' identification

Research Intern

Summer 2008

World Aquarium, St. Louis, MO

Designed and executed a behavioral training research project working with two Asian small-clawed river otters.

- Project sought to ensure the otters would receive more thorough veterinary examinations by further habituating them to human contact
- Otter training was accomplished through the use of positive reinforcement and conditioning
- Learned animal husbandry including small mammal handling and animal behavior training

Behavioral Biology Research

August 2006 – January 2008

Saint Louis University, St. Louis, MO

Conducted a behavioral biology project analyzing intermediate sleep stages of rodents.

- Learned lab specific training primarily including sleep stage scoring for intermediate sleep, in addition to the previous training acquired during STARS

Research Scholar

Summer 2006

Saint Louis University, St. Louis, MO

Students and Teachers as Research Scientists (STARS) Scholar recipient. Worked under Dr. A. Michael Anch in a six-week project studying the effects of a sleep-inducing drug on rodent sleep profiles, as part of the pharmacological study of treating sleep disorders.

- Learned lab specific training which included appropriate animal care, rat handling and training, electrode construction, rat surgery techniques, and sleep stage scoring
- Learned and applied proper research paper writing and research presentation skills

PRESENTATIONS

- Brown, K. L., S. Tamone, S. Karpovich and G. Blundell. Blood parameters on live-captured harbor seals (*Phoca vitulina*) in Endicott Arm, Alaska (poster). Alaska Marine Science Symposium, Anchorage, Alaska, January 2011.
- Brown, K. L. and A. M. Anch. Intermediate stage sleep in normal versus diethyl-lactam injected rats (poster). Greater St. Louis Science Fair Honors Division and the Junior Science, Engineering, and Humanities Symposium, St. Louis, Missouri, March 2008.
- Brown, K. L. and A. M. Anch. The effects of a single dose of diethyl-lactam on rat sleep. STARS graduation ceremony at University of Missouri-St. Louis, St. Louis, Missouri, July 2006.

UNPUBLISHED REPORTS

- Brown, K. L. and A. M. Anch. Intermediate stage sleep in normal versus diethyl-lactam injected rats. Greater St. Louis Science Fair Honors Division and the Junior Science, Engineering, and Humanities Symposium, St. Louis, Missouri, March 2008.
 - Brown, K. L. and A. M. Anch. The effects of a single dose of diethyl-lactam on rat sleep. STARS and the Junior Science, Engineering, and Humanities Symposium, St. Louis, Missouri, July 2006.
-

AWARDS & HONORS

- UAS Chancellor's & Dean's List
 - STARS Outstanding Paper Presentation & Best Speaker in Session
 - People to People Outstanding Ambassadorial Achievement
 - President's Education Award
-

TRAINING

- Necropsy procedure: ring seal
 - CPR/First Aid Certification
 - SCUBA Open Water Certification
 - Saint Louis University animal care committee guidelines
 - Juneau Youth Services Residential Child and Youth Care Professional Curriculum
 - Sitka Marine Bioblitz line transects and tunicate species identification
-

WORK EXPERIENCE

College Intern IV

January 2021 – Present

State of Alaska, Department of Environmental Conservation, Spill Prevention and Response Division, Contaminated Sites Program, Juneau, AK

- Database management of approximately 200 contaminated sites state-wide
- Diagnose and correct discrepancies in Southeast Alaska contaminated sites locations using the department's ArcGIS mapping database
- Conduct up to 50 audits to ensure deed notices have been filed with the Alaska Department of Natural Resources
- Provide support in addressing or closing contaminated sites that are low priority/low risk
- Support the Institutional Controls Unit to raise the level of compliance requirements on closed contaminated sites

Behavioral Health Associate

July 2019 – August 2020

Juneau Youth Services, Juneau, AK

- Planned, supervised, and documented daily activities of clients
- Documented daily progress notes, meeting state and federal regulations
- Provided behavioral health interventions and taught skills development using a strength-based approach
- Utilized a coordinated, multidisciplinary team approach to engage clients and families in treatment team meetings

Peer Advisor

October 2018 – May 2019

University of Alaska Southeast, School of Arts & Sciences, Juneau, AK

- Supervised and trained new personnel
- Planned and lead multiple projects which included setting goals and meeting deadlines
- Aided advising staff on the development and implementation of new policies and procedures, data management, and tracking systems
- Utilized campus software for database entry and management including verification of confidential student information
- Advised students on class scheduling and course sequencing
- Provided office support services to academic advising staff