

EMILY RACENET

Wildlife Biology and Conservation Graduate Student

SUMMARY

Motivated and dedicated biology student pursuing graduate education with the goal of accomplishing a Master's and Ph.D. Eager to contribute to the scientific knowledge of Alaskan wildlife following completion of graduate studies.

EDUCATION

Alaska Pacific University

B.S. in Marine and Environmental Science,
Concentration in Ecology, Minor in Outdoor Studies
August 2021-April 2025
3.79 GPA

University of Alaska Fairbanks

M.S. in Wildlife Biology and Conservation
August 2025 - present

VOLUNTEER WORK

TSC Alliance PNW Government Action Lead, Future Leader Mentor, & TSC Connect Volunteer

TSC Alliance | 2021 - Present

- Contact government officials to inform them of recent developments in government funded research of TSC
- Request further funding for research
- Connect individuals with Tuberos Sclerosis Complex to resources in their community

Volunteer Instructor

Alaskan Diving Dogs | 2023 - Present

- Introduce dogs to swimming in a safe environment
- Teach dogs and their handlers various dock diving sports

CERTIFICATIONS

- NOLS Wilderness Medicine - Adult, Child, Infant CPR, AED, and Airway Management
- NOLS Wilderness Medicine - Epinephrine Auto-injector
- NOLS Wilderness Medicine - Wilderness First Responder
- National Association for Search and Rescue - Search and Rescue Tech III

PROFESSIONAL EXPERIENCE

Research Assistant

University of Alaska Fairbanks | 2025 - present

- Improve remote monitoring methods for detecting parturition and calf fate using GPS collars on female barren-ground caribou

Biological Technician

United States Geological Survey | 2022 - 2025

- Evaluate behaviors via video collar analysis for Alaskan caribou herds
- Analyze walrus haul out sizes and locations via GIS
- Measure sizes of mussels for analysis of growth trends
- Extract and collect sea otter teeth for aging
- Perform data releases
- Analyze polar bear feeding behaviors via video
- Assess movement patterns of sea otters
- Anticipated to be lead author in publication on use of GPS collars in determining parturition in caribou in spring of 2025
 - Expected to speak at various conferences regarding paper

Research Apprentice

Alaska Pacific University | 2023 - 2024

- Recipient of Alaska Space Grant Early Career Research Apprenticeship award
- Develop GIS model to detect rusting streams in Alaska's Brooks Range
- Determine rate of stream rusting and acidification in Alaskan Arctic landscapes via visual GIS imagery analysis
- Presented findings at Alaska Space Grant and NASA EPSCoR Education and Research Symposium in Fairbanks, AK

SKILLS

- Proficient in ArcGIS, QGIS, and Google Earth
- Practiced in R Studio
- Experienced in Microsoft Excel and Google Sheets
- Capable of independent and team work
- Leadership skills
- Data collection, management, and archival
- Field research