

Victoria Batter

vbatter@alaskapacific.edu

Overview:

Ms. Victoria Batter has a diverse background in field and laboratory research, ranging from genetic, insect, and shark studies, to invertebrates and quantitative mapping. Batter is currently a fish and wildlife technician with the Alaska Department of Fish and Game, providing support on weir maintenance and fish counts. She is also a full-time graduate student at Alaska Pacific University's Fisheries, Aquatic Science & Technology (FAST) Lab. Batter has extensive experience in GIS analyses, and is the university's lead CamSled seafloor image analyst.

Education

M.S. in Environmental Science, Alaska Pacific University (*In Progress*)

Current GPA: 3.65

B.S. in Biology, Widener University (2010-2013)

GPA: 3.63

Honors & Scholarships:

- Dean's List
- Tri-Beta National Honors Society
 - President (2013-2014)
 - Treasurer (2012-2013)
- Science Award (2011-2014)
- Sigma Alpha Phi Honor Society
- Presidential Scholar

Experience

Research Assistant, Alaska Pacific University (July 2015 – Present)

- Lead image analyst: train undergraduates and graduate students in using CamSled imagery software for seafloor analysis
- Analyze video footage obtained by a CamSled imagery unit from the Gulf of Alaska benthic floor for species and substrate identification

Graduate Student, Alaska Pacific University (July 2015 – Present)

- Full time graduate student. My thesis is entitled; "Assessment of weathervane scallop (*Patinopecten caurinus*) and fishing disturbance east of Kodiak Island". Research objectives include; map Kodiak Island's east side weathervane scallop beds, calculate scallop densities and biomass for each bed, indicate areas of impact from fishing, evaluate areas from fishing impact, and compare CamSled impact data with the fishing effects model.
- Software used to complete the objectives include ArcGIS, R programming, and python
- Communication and collaboration, committee management, scientific writing and data analysis

Alaska Department of Fish and Game Volunteer (2015 – Present)

- 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

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Fish and Wildlife Technician II, Alaska Department of Fish and Game (June 2016 – Present)

- Maintain river weirs, field camp, research data, and equipment
- Identify fresh water fish, and compile daily fish counts

Undergraduate Researcher (2011-2013)

- **Research Projects:** “Biodiversity of diatoms and macro-invertebrates in Delaware County, PA”, “Effects of Storms on Temperature Stratification in an Amazonian Rainforest in Iquitos, Peru”, “Changing in Jumping Ability and Mechanics of Giant Jumping Stick, *Stiphra* sp. Through the Instars”, and “Conservation Ecology of Lemon Sharks” were presented in front of university professors and staff.

Scientific and Quantitative Coursework

- **Graduate:** Research Methods, Applied Research: Fisheries Science, Human Impacts in Marine Systems, Intro to GIS, Quantitative Methods for Environmental Science, Applied GIS, Fisheries Ecology, Statistical Modeling
- **Undergraduate:** Biological Concepts I, Biological Concepts II, Biological Concepts III, Genetics, Medical Genetics, General Chemistry I, General Chemistry II, Organic Chemistry I, Organic Chemistry II, Physics I, Physics II, Mammalian Anatomy, Ecology, Tropical Ecology, Advanced Ecology: Marine Evolutionary Ecology, Physiological Ecology, Zoology, Calculus I, Calculus II,

Additional Skills

Lab Skills:

Parr Bomb Calorimeter
H-NMR
IR Spectrum
UV-Vis
Photosynthetic Available Radiation
ibuttons
Hobos
Western blotting
Data analysis
PCR

Spec 20 spectrophotometer
Pipets (volumetric, Pasteur, micro)
Analytical balance
Copper models
Invertebrate collection techniques
Diatom collection techniques & ID
Preserving invertebrates
Recording isotonic contractions
Immunohistochemistry
Immunofluorescence
SDS-PAGE

Computer Skills:

R programming
Microsoft Office Suite
Video analysis
Flybase
Tbliz,
Python
ArcGIS

Publications

Batter, V., Geck J. 2015. Spatial Analysis of Weathervane Scallops (*Patinopecten caurinus*).

Poster session presented at: Alaska Pacific University Geographic Information Systems Review; Anchorage, Alaska.

Batter, V., Geck J. 2016. Chlorophyll Concentration in Chiniak Gully North.

Poster session presented at: Alaska Pacific University Geographic Information Systems Review; Anchorage, Alaska.

Batter, V., Smeltz, S. 2016. Weathervane Scallop (*Patinopecten caurinus*) Density East of Kodiak Island.

Poster session presented at: Alaska Pacific University Statistical Analysis Review; Anchorage, Alaska.

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Presentations

Widener University Student Project Day: April 13, 2012 & April 19, 2013

Interests and Activities

I was a member of the varsity soccer, indoor track, and outdoor track team throughout my entire undergrad career and received all-academic honors every year. Recently, I have taken up hiking, skiing, and fishing.

References

Available on request.