

Andrew Challen Shamaskin
Graduate Research Assistant
Wildlife, Fisheries and Aquaculture Department
Mississippi State University
Mississippi State, MS 39762 USA
(804)-484-4945
andrew.shamaskin@gmail.com

EDUCATION

M.S. Fisheries Science
Mississippi State University
Cumulative GPA: 3.75

Currently Attending
Starkville, MS

B.Sc. Fisheries Science, Marine Fisheries Option, Statistics Minor
Virginia Polytechnic Institute and State University
Cumulative GPA: 3.70

May, 2013
Blacksburg, VA

Non-matriculating Undergraduate in Marine Fisheries
University of Washington
Cumulative GPA: 3.47

Fall Quarter, 2011
Seattle, WA

WORK EXPERIENCE

Graduate Research Assistant, Mississippi State University

May, 2015-Present

Department of Wildlife, Fisheries, and Aquaculture
Supervisors: Dr. Michael Colvin and Dr. Leandro Miranda
Thesis Title: Evaluating Multisystem Length Limits

- Software developer for Fisheries Resources Analysis System (FRAS)

Fisheries Observer, North Pacific Groundfish Observer Program

December, 2013-November, 2014
Anchorage, AK

Saltwater Incorporated

Supervisor: Stacey Hansen

- Collect fisheries data while deployed on commercial fishing vessels
- Construct sample designs specific to each vessel assignment
- Record meticulous daily notes to aid in data verification
- Send data to the National Marine Fisheries Service for scientific, management, and regulatory compliance purposes

Research Technician, Fisheries Ecology Lab

August, 2012-November, 2013
Blacksburg, VA

Department of Fish and Wildlife Conservation, Virginia Tech

Supervisor: Dr. Emmanuel Frimpong

- Assisted PhD research on interspecific relationships between *P. oreas* and *N. leptocephalus*
- Larval fish morphometric analysis
- Macroinvertebrate identification
- Conducted stream sampling using backpack/barge electrofishing

Ernest F. Hollings Scholarship Summer Intern

May, 2012-August, 2012
Woods Hole, MA

Northeast Fisheries Science Center, National Marine Fisheries Service

Supervisor: Dr. Anne Richards

- Conducted image analysis on *M. saxatilis* scale morphometrics
- Compared scale morphology among different stocks of *M. saxatilis*
- Primary author on project report

Summer Intern

June, 2011-August, 2011
Virginia Beach, VA

Sierra Club, Hampton Roads Office

Supervisor: Eileen Levandoski

- Handled web design and planning for 2011 Virginia Offshore Wind Conference
- Head of Planning for Virginia Offshore Wind Roadshow

Oyster Restoration Volunteer

Chesapeake Bay Foundation

Supervisor: Tommy Leggett

- Washed shells to be used in oyster propagation
- Constructed artificial reefs

June, 2010-December, 2010

Gloucester Point, VA

Gallery Interpreter

Maymont Park

Supervisor: Kate Quarles

- Handled reptiles on display
- Answered guests' questions about aquarium exhibits

June, 2010-August, 2010

Richmond, VA

Undergraduate Research Assistant

Department of Biology, Virginia Tech

Supervisor: Dr. Brandi Echols

- Maintained laboratory equipment
- Conducted various toxicity tests (acute & chronic)
- Oversaw production of Daphnia Magna cultures
- Performed benthic macro invertebrate sampling

January, 2010 – May, 2010

Blacksburg, VA

Stream Restoration Project Volunteer

Virginia Tech Biological Systems Engineering

Supervisor: Dr. Tess Thompson

- Planted riparian buffers
- Reduced sediment runoff

September, 2009-October, 2009

Blacksburg, VA

TEACHING2017 TWS Southeastern Student Conclave –A (Very) Brief Introduction to R, v. 1.0 (*Coauthor on Workshop*)BS400: Senior Seminar -Mississippi University for Women (*Guest Lecturer on management of marine resources in the United States*)2016 FW4133: Fisheries Science –Mississippi State University (*Guest Lecturer on NMFS observer program*)2015 FW4313: Fisheries Management –Mississippi State University (*Guest Lecturer on ecosystem-based fisheries management*)**LABORATORY SKILLS**

Water Chemistry Tests (incl. pH, DO, Alkalinity, Hardness)
Toxicity Tests (acute and chronic)
Stomach Content Analysis
Otolith Aging
Polymerase Chain Reaction

COMPUTATIONAL SKILLS***Statistical Analysis:***

Minitab, R, SAS, Microsoft Excel,
WinBUGS, JAGS

For Building Applications:

Shiny Apps, Visual Basic for Applications (VBA),
HTML, JavaScript, Markdown, CSS

Others:

ImagePro, ImageJ, Access

FIELD SKILLS

Certified Open Water SCUBA Diver (PADI)
Benthic Macro Invertebrate sampling using EPA RBP
Rotenone Application
Mist-net Trapping
Mid-Water Trawls
Gillnetting
Backpack/Boat Electrofishing and Seine Netting
Boating Operation and Navigation
CPR Certified

PUBLICATIONS

Anticipated Publication as secondary author:

Richards, R.A., Haas-Castro, A.C., Shamaskin, A.C., Conover, D.O., and Thompson, A. Nature vs. Nurture: The Relative Influence of Genetics vs. Environmental Factors on the Scale Morphology of Striped Bass (*Morone saxatilis*).

Shamaskin, A.C. 2016. The end parenthesis: how a fisheries student tackled programming. Fisheries 41:714-15. DOI: <http://dx.doi.org/10.1080/03632415.2016.1266879>

Miranda, L.E., M.E. Colvin, A.C. Shamaskin, L.A. Bull, T. Holman, and R. Jones. *In press*. Length limits fail to restructure a largemouth bass population: a 28-year case history. North American Journal of Fisheries Management. DOI: <http://dx.doi.org/10.1080/02755947.2017.1308891>

PRESENTATIONS

2017

Shamaskin, A.C., M.E. Colvin, and L.E. Miranda. Multisystem Length Limits: Making It Easy. 2017 Joint Annual Meeting of the Mississippi and Alabama Chapters of the American Fisheries Society, Biloxi, MS. February 22nd-24th.

Shamaskin, A.C., M.E. Colvin, and L.E. Miranda. Multisystem Length Limits: Making It Easy. 65th Annual Meeting, Southern Division of the American Fisheries Society, Oklahoma City, OK. February 2nd-5th.

2016

Shamaskin, A.C., M.E. Colvin, and L.E. Miranda. Sensitivity of a Multisystem Length Limit Model. 146th Annual Meeting of the American Fisheries Society, Kansas City, MO. August 21st-25th.

Miranda, L.E., A.C. Shamaskin, and M.E. Colvin. Long-term population changes in relation to harvest regulations at Ross Barnett Reservoir, Mississippi. 146th Annual Meeting of the American Fisheries Society, Kansas City, MO. August 21st-25th.

Shamaskin, A.C., M.E. Colvin, L.E. Miranda, L. Bull, and T. Holman. 2016. Long-term population changes in relation to harvest regulations at Ross Barnett Reservoir, Mississippi. 42nd annual meeting of the Mississippi Chapter of the American Fisheries Society, Tara Lodge, MS. March 9-11th.

2012

Shamaskin, A.C., R.A. Richards, and R. Haas-Castro. 2012. Nature vs. Nurture: the Relative Influence of Genetics and the Environment on the Scale Morphology of Striped Bass (*Morone saxatilis*). Bradford E. Brown Student Symposium, Summer 2012. July 26th.

Shamaskin, A.C., R.A. Richards, and R. Haas-Castro. 2012. Nature vs. Nurture: the Relative Influence of Genetics and the Environment on the Scale Morphology of Striped Bass (*Morone saxatilis*). 2012 NOAA Student Science and Education Symposium. July 31st-August 2nd.

HONORS

NOAA Ernest F. Hollings Scholarship, Class of 2011

ORGANIZATIONS

American Fisheries Society, National Member (2013-Present)

American Fisheries Society, Student Subunit of Mississippi State University (2015-Present)

American Fisheries Society, Virginia Tech (2010-2013)

Alpha Epsilon Pi Fraternity, Sigma Alpha Chapter (2009-2013)

Virginia Tech Debate Team (2009-2012)

REFERENCES

Dr. Michael E. Colvin, *Assistant Professor and Advisor*
Department of Wildlife, Fisheries, and Aquaculture
Mississippi State University, Mississippi State, MS
Email: michael.colvin@msstate.edu
Work Phone: 662-325-3592

Dr. Leandro E. Miranda, *Professor and Advisor*
Department of Wildlife, Fisheries, and Aquaculture
Mississippi State University, Mississippi State, MS
Email: smiranda@usgs.gov
Work Phone: 662-325-3217