**CONNOR M. BUCKLEY**

22 Natural Resources Building, 480 Wilson Road, East Lansing, MI 48823

buckl123@msu.edu | (603)-767-6476

**EDUCATION**

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| Jan. 2019 – *Present*GPA: 4.0 | **Michigan State University** (East Lansing, MI)M.S., Fisheries and WildlifeQuantitative Fisheries CenterAdvisor: Dr. Kelly Robinson |
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| Aug. 2012 – May 2016GPA: 3.3 | **University of Alabama** (Tuscaloosa, AL)B.S., Biology and Marine Science (dual degree)Honors College |

**FUNDING, AWARDS, & HONORS**

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| Aug. 2019 – May 2020 | **Graduate Teaching Assistantship,** Michigan State University |
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| Aug. 2012 ­– May 2016 | **Collegiate Scholar**, University of Alabama |

**PRESENTATIONS**

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| 1. **Buckley, C.M.**, Lin, H-Y., Robinson, K.R. (2019). Predicting the effects of climate change and barrier removal on sea lamprey production in the Great Lakes. Sea Lamprey International Symposium III.
 |
| 1. **Buckley, C.M.**, Johnson, E.L., & Earley, R.L. (2016). The effect of endocrine-disrupting compounds on the behavior of mangrove rivulus. University of Alabama Undergraduate Research & Creative Activities Conference.
 |
| 1. Seeber, R., Zahedi, H., Bishop, L., **Buckley, C.M.**, Cianfarani, R., & Earley, R.L. (2013). Gender inequality: sex differences in metabolic rate in the mangrove rivulus *Kryptolebias marmoratus*. University of Alabama Undergraduate Research & Creative Activities Conference.
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**EXPERIENCE**

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| **Quantitative Fisheries Center,** Michigan State University  |
| Jan. 2019 – *Present* | Graduate Research Assistant* Investigating connections between large-scale climatic changes in precipitation and temperature in Great Lakes streams and the efficacy of sea lamprey migration barriers as a management strategy using a Bayesian network approach
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| **Alaskan Observers Inc.,** (Dutch Harbor, AK) |
| June 2016 – Oct. 2018 | North Pacific Fisheries Observer* Worked independently aboard fishing vessels in the Bering Sea and Aleutian Island commercial groundfish fleet
* Collected comprehensive biological catch and fishing effort data, and interaction data for threatened sea bird and marine mammal species
* Documented compliance issues on board each vessel and worked with the crew to address regulatory violations
* Assisted in the establishment of an Exempted Fishing Permit amendment to the Magnuson-Stevens Fishery Conservation and Management Act for participating non-pelagic trawl vessels
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| **Earley Lab,** Department of Biological Sciences, University of Alabama  |
| Sept. 2012 – May 2016 | Undergraduate Research AssistantPI: Dr. Ryan Louis Earley* Tested the behavioral and physiological effects of prolonged exposure of two ecologically relevant endocrine-disrupting compounds on mangrove rivulus (*Kryptolebias marmoratus*)
* Investigated critical metabolic rate of mangrove rivulus under stress
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| **Oceans Research,** (Mosselbaai, Western Cape, South Africa) |
| June 2014 –July 2014 | Marine Research Intern* Conducted population surveys of great white sharks to assess movement and habitat use
* Assisted in laboratory experiments to investigate cognition and the role of tonic immobility in mating in several benthic shark species
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**TEACHING EXPERIENCE**

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| **Biological Science Program**, Michigan State University  |
| Aug. 2019 – May 2020 | Graduate Instructor* Led two sections of Cell and Molecular Biology Lab (BS 171) with 28 students each
* Coordinated laboratory experiments, such as finding the titer of *E. coli* in an environmental sample and PCR/gel electrophoresis
* Helped students design and conduct their own research projects with robust experimental designs and effective communication of their results
* Graded lab assignments, research papers, and presentations and provided helpful feedback to encourage students and improve scientific communication skills
* Mentored undergraduate learning assistants, who assisted with class experiments
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**LEADERSHIP & VOLUNTEER EXPERIENCE**

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| **Graduate Employees Union** (East Lansing, MI) |
| July 2019 – *Present* | Fisheries and Wildlife Department Steward |
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| **Fisheries and Wildlife Graduate Student Organization** |
| July 2019 ­– Mar. 2020 | Graduate Symposium CommitteeSpring Picnic Committee |
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| **MSU SciComm**, Michigan State University  |
| Jan. 2019 – Jan. 2020 | Science Policy Committee |
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| **Leadership Academy**, Michigan State University  |
| Jan. 2019 – May 2019 | Participant |
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| **Men’s Rowing Team**, University of Alabama  |
| Sept. 2012 – May 2016 | Captain (2015-2016)President (2014-2016) |

**PROFESSIONAL ORGANIZATIONS & MEMBERSHIPS**

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| Association for Professional Observers |  |
| American Fisheries Society  |  |
| American Fisheries Society – Michigan Chapter |  |
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**TECHNICAL SKILLS**

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| R (including packages: tidyverse, ggplot2) |
| Netica |
| Python |
| Microsoft Office 365 Suite |
| ArcGIS |

 **CERTIFICATIONS**

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| PADI Advanced Open Water, Nitrox |
| Marine Mammal Medic (Marine Animal Response Society) |
| First Aid & CPR |
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**LANGUAGES**

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| Spanish (conversational) |