

**Allison Durland Donahou**  
Assistant Professor of Marine Biology  
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## **EDUCATION**

<b>University of Florida</b> Ph.D., Interdisciplinary Ecology, Fisheries and Aquatic Sciences	Gainesville, FL 2015-2020
<b>Nova Southeastern University</b> M.S., Marine Biology & Coastal Zone Management	Fort Lauderdale, FL 2011-2014
<b>University of San Diego</b> B.A., Marine Science	San Diego, CA 2006-2010

## **APPOINTMENTS**

2020-Present	Assistant Professor of Marine Biology	Florida Southern College
2015-2020	Graduate Assistant	University of Florida
2019	Part-Time Instructor	University of Tampa
2016-2018	Student Intern	United States Geological Survey
2016	Adjunct Instructor	College of Central Florida
2011-2015	Senior Library Assistant	Nova Southeastern University
2010-2011	Research Assistant	NOAA Alaska Fisheries Science Center
2008-2010	Undergraduate Assistant	University of San Diego

## **HONORS AND AWARDS**

### *Scholarships*

American Fisheries Society John. E. Skinner Memorial Award: 2020  
Florida Chapter of the American Fisheries Society Roger Rottmann Memorial Scholarship: 2020  
Gator Student Subunit of the United States Aquaculture Society Travel Scholarship: 2020  
University of Florida Fisheries and Aquatic Sciences Aquatic Research Graduate Organization (ARGO) Scholarship: 2019  
University of Florida College of Agricultural and Life Sciences Doris and Earl and Verna Lowe Scholarship: 2017-2018, 2018-2019  
University of San Diego Alumni Scholarship: 2006-2010

### *Travel Grants*

Fish Culture Section of the American Fisheries Society travel grant: 2020 (declined)  
Florida Chapter of the American Fisheries Society travel grant: 2016, 2017, 2018, 2019  
University of Florida Institute of Food and Agricultural Sciences travel grant: 2017

### *Academic Recognition*

University of Florida School of Forest Resources and Conservation Outstanding Teaching Assistant of the Year: 2020

University of Florida Graduate School Graduate Student Teaching Award Nominee: 2018

Iota Delta Epsilon Academic Honor Society member: 2013

University of San Diego Dean's List: 2007, 2008, 2009, 2010

### **PUBLICATIONS**

#### *Peer Reviewed Journal*

Lyons, T.J., Q.M. Tuckett, A. **Durland Donahou**, and J.E. Hill. 2020. Risk screen of lionfishes, *Pterois*, *Dendrochirus*, and *Parapterois*, for southeastern United States coastal waters of the Gulf of Mexico and Atlantic Ocean. *Biological Invasions* 22:1573-1583.

Vilizzi, L. et al. (+151 authors). In Review. A global application of the Aquatic Species Invasiveness Screening Kit (AS-ISK). *Global Change Biology*.

#### *Peer Reviewed Extension Publication*

Ohs, C.L., J.E. Hill, S.E. Wright, H.M. Giddings, and A. **Durland Donahou**. In Review. Candidate species for Florida aquaculture: *Arapaima Arapaima gigas*. University of Florida Electronic Data Information Source Publication No. TBD.

*Peer Reviewed Federal Database Species Accounts (The USGS NAS database is the largest, most complete database for aquatic non-native species in the U.S. It is widely used by researchers and agencies as a critical information source. There are more than 1,300 species accounts.)*

**Durland Donahou**, A., W. Conard, K. Dettloff, A. Fusaro, and R. Sturtevant. 2018. *Faxonius rusticus* (Girard, 1852): U.S. Geological Survey, Nonindigenous Aquatic Species Database, Gainesville, FL, <https://nas.er.usgs.gov/queries/FactSheet.aspx?SpeciesID=214>, Revision Date: 4/9/2018.

**Durland Donahou**, A. 2018. *Procambarus acutus acutus* (Girard, 1852): U.S. Geological Survey, Nonindigenous Aquatic Species Database, Gainesville, FL, <https://nas.er.usgs.gov/queries/FactSheet.aspx?SpeciesID=216>, Revision Date: 2/26/2018

**Durland Donahou**, A. 2018. *Procambarus zonangulus* Hobbs and Hobbs III, 1990: U.S. Geological Survey, Nonindigenous Aquatic Species Database, Gainesville, FL, <https://nas.er.usgs.gov/queries/FactSheet.aspx?SpeciesID=2897>, Revision Date: 1/29/2018

**Durland Donahou**, A. 2018. *Faxonius virilis* (Hagen, 1870): U.S. Geological Survey, Nonindigenous Aquatic Species Database, Gainesville, FL, <https://nas.er.usgs.gov/queries/FactSheet.aspx?SpeciesID=215>, Revision Date: 2/7/2018

**Durland Donahou**, A. 2017. *Cambarus longirostris*. U.S. Geological Survey, Nonindigenous Aquatic Species Database, Gainesville, FL, <https://nas.er.usgs.gov/queries/FactSheet.aspx?SpeciesID=206>, Revision Date: 6/27/2017

**Durland Donahou, A.** 2017. *Cambarus robustus*. U.S. Geological Survey, Nonindigenous Aquatic Species Database, Gainesville, FL, <https://nas.er.usgs.gov/queries/FactSheet.aspx?SpeciesID=207>, Revision Date: 6/22/2017

#### *Research Reports*

Hill, J.E., Q.M. Tuckett, L. Lapham, and A. **Durland Donahou**. 2019. Risk screen for Florida of fishes on the federal injurious wildlife list. Final Report Submitted to the Florida Fish and Wildlife Conservation Commission, Tallahassee, Florida.

Goodman, C., C. Romagosa, J.E., Hill, Q.M. Tuckett, A. **Durland Donahou**, L. Lapham, S. Johnson. 2019. Spatial extent, invasion potential, and management of the African Clawed Frog (*Xenopus laevis*) in Florida. Final Report Submitted to the Florida Fish and Wildlife Conservation Commission, Tallahassee, Florida.

Lyons, T.J., Q.M. Tuckett, A. **Durland Donahou**, and J.E. Hill. 2018. Evaluation of a nonnative marine species risk assessment tool with application to the “other” lionfish in trade, *Dendrochirus*, *Parapterois*, and *Pterois*. Final Report Submitted to the Florida Fish and Wildlife Conservation Commission, Tallahassee, Florida.

**Durland Donahou, A.** 2014. Loggerhead sea turtle (*Caretta caretta*) hatchling disorientation in Broward County from 2006 to 2011. Master’s thesis, Nova Southeastern University, Fort Lauderdale, Florida.

Himes-Cornell, A., C. Package, and A. **Durland**. 2011. Improving community profiles for the North Pacific fisheries. U.S. Dep. Commer., NOAA Tech. Memo. NMFS-AFSC-230, 85 p.

Himes-Cornell, A., C. Package, J. Sepez, and A. **Durland**. 2010. Improving Community Profiles for the North Pacific Fisheries: Hosting Conversations with Alaskan Fishing Communities. AFSC Quarterly Research Reports, July-September 2010.

#### *Newsletters and Media*

**Durland Donahou, A.** 2019. “How to catch a Guppy: A journey into the mountains of Trinidad”. Reefs to Rivers blog of the Student Subunit of the Florida Chapter of the American Fisheries Society.

**Durland Donahou, A.** 2019. Student Research Highlight: Differences in life history traits between domesticated and wild African Clawed Frogs *Xenopus laevis* with invasion implications. The Shellcracker newsletter of the Florida Chapter of the American Fisheries Society.

**Durland Donahou, A.** 2018. “The African Clawed Frog: New invasive species in Florida”. Reefs to Rivers blog of the Student Subunit of the Florida Chapter of the American Fisheries Society.

**Durland Donahou, A.** 2017. “How to catch a Koi: a failed extraction adventure”. Reefs to Rivers blog of the Student Subunit of the Florida Chapter of the American Fisheries Society.

#### *Peer Reviewed Journal – In Preparation*

**Durland Donahou, A.,** Q.M. Tuckett, and J.E. Hill. In Preparation. Predicting distributions of non-native freshwater fish: a role for climate indicators. Target Journal: Management of Biological Invasions.

Lipscomb, T.N, R.P. Yanong, N.C. Boldt, A. **Durland Donahou**, and M.A. DiMaggio. In Preparation. Larval digestive system ontogeny and investigation into potential feed attractants in the tiger barb *Puntigrus tetrazona*. Target Journal: Aquaculture.

Lapham, L., Q.M. Tuckett, A. **Durland Donahou**, J.T. Patterson, and J.E. Hill. In Preparation. Risk assessment of Alligator Gar for Florida aquaculture. Target Journal: Aquaculture.

## PRESENTATIONS

### *International – Invited*

**Durland Donahou**, A., Q. Tuckett, J. Laich, and J.E. Hill. 2019. Differences in reproductive output and growth between wild and domesticated African Clawed Frogs *Xenopus laevis*. Ornamentals Symposium. World Aquaculture Society Annual Meeting, 7-11 March, New Orleans, Louisiana.

**Durland Donahou**, A., Q. Tuckett, and J.E. Hill. 2017. Predicting distributions of non-native freshwater fish: A role for climate indicators? What can we expect from non-natives and climate change? Symposium. American Fisheries Society Annual Meeting, 21-24 August, Tampa, Florida.

### *International*

Tuckett, Q., E. Asp, M. DiMaggio, A. **Durland Donahou**, J. Hill, L. Lapham, K. Lawson, T. Lipscomb, K. Lohr, J. Patterson, A. Pilnick, S. Ramee, K. Schulz, G. Sowaske, S. Thomas, and R. Yanong. 2019. Traits and trait change in 48 of the world's most highly-domesticated fishes. American Fisheries Society and The Wildlife Society Joint Annual Conference, 29 September-3 October, Reno, Nevada.

### *State – Invited*

**Durland Donahou**, A., J. Laich, Q. Tuckett, and J.E. Hill. 2019. Effects of domestication on life history trait tradeoffs in the Trinidadian Guppy *Poecilia reticulata* with implications for invasiveness in Florida. Florida Non-Native Fish Action Alliance Meeting, 5 November, Miami, Florida.

Hill, J.E., A. **Durland Donahou**, K. Lawson, Q. Tuckett, C. Goodman, and C. Romagosa. 2019. Predation by fishes as a biotic resistance to the African Clawed Frog invasion in Florida. Florida Non-Native Fish Action Alliance Meeting, 5 November, Miami, Florida.

**Durland Donahou**, A., Q. Tuckett, and J.E. Hill. 2018. Role of climate indicators for predicting non-native species distributions. Florida Non-Native Fish Action Alliance Meeting, 22 May, Loxahatchee, Florida.

### *State*

**Durland Donahou**, A., Q. Tuckett, J. Laich, and J.E. Hill. 2020. Effects of domestication on life history traits in the Trinidadian Guppy *Poecilia reticulata*. American Fisheries Society Virtual Spring Conference, Florida Chapter Session, 23 April, Online.

**Durland Donahou**, A., Q. Tuckett, J. Laich, and J.E. Hill. 2019. Predation as potential biotic resistance to African Clawed Frog *Xenopus laevis* invasions. Florida Chapter of the American Fisheries Society meeting, 3-5 April, Haines City, Florida.

- Asp, E., M. DiMaggio, A. **Durland Donahou**, M. Hauville, J. Hill, L. Lapham, K. Lawson, T. Lipscomb, K. Lohr, J. Patterson, A. Pilnick, S. Ramee, K. Schulz, G. Sowaske, S. Thomas, Q. Tuckett, and R. Yanong. 2019. Traits and trait change in 48 of the world's most highly-domesticated fishes. Florida Chapter of the American Fisheries Society meeting, 3-5 April, Haines City, Florida.
- Lyons, T., Q. Tuckett, A. **Durland Donahou**, and J.E. Hill. 2019. An evaluation of the “other” lionfish in the marine ornamental trade. Florida Fish and Wildlife Conservation Commission Meeting, 20 February, Gainesville, Florida. (Poster Presentation)
- Durland Donahou**, A., Q. Tuckett, and J.E. Hill. 2018. Predicting distributions of non-native freshwater fish: A role for climate indicators. Florida Chapter of the American Fisheries Society meeting, 11-13 April, Haines City, Florida. (Poster Presentation)
- Durland Donahou**, A. 2016. The lionfish war: What else can be done? Spawning lionfish in captivity as a knowledge source for management. Florida Chapter of the American Fisheries Society meeting, 2-4 March, Haines City, Florida. (Poster Presentation)

*Local – Invited*

- Durland Donahou**, A. 2020. Effects of domestication on life history traits in the Trinidadian Guppy *Poecilia reticulata*. School of Natural Resources and Environment Seminar, 13 April, Gainesville, Florida (online).
- Durland Donahou**, A. 2019. African Clawed Frog *Xenopus laevis*: A look at its history in aquaculture and reproductive changes due to domestication. Venice Aquarium Society Meeting, 17 January, Venice, Florida.

*Local*

- Durland Donahou**, A., Q. Tuckett, J. Laich, and J.E. Hill. 2020. Effects of domestication on life history traits in the Trinidadian Guppy *Poecilia reticulata*. University of Florida Fisheries and Aquatic Sciences Graduate Student Symposium, 28 February, Gainesville, Florida.
- Durland Donahou**, A., Q. Tuckett, J. Laich, and J.E. Hill. 2019. Domestication induced differences in reproductive output and growth of the African Clawed Frog *Xenopus laevis*. University of Florida Fisheries and Aquatic Sciences Graduate Student Symposium, 22 February, Gainesville, Florida.
- Durland Donahou**, A., Q. Tuckett, and J.E. Hill. 2018. Predicting non-native fish distributions: A role for climate indicators in distribution modeling. University of Florida School of Natural Resources and Environment Graduate Student Symposium, 26 April, Gainesville, Florida.
- Durland Donahou**, A., Q. Tuckett, and J.E. Hill. 2018. Predicting distributions of non-native freshwater fish: A role for climate indicators. University of Florida Fisheries and Aquatic Sciences Graduate Student Symposium, 16 February, Gainesville, Florida.
- Durland Donahou**, A. 2017. Predicting distributions of non-native freshwater fish: A role for climate indicators? University of Florida Fisheries and Aquatic Sciences Graduate Student Symposium, 14 April, Gainesville, Florida.

**Durland Donahou, A.** 2016. The lionfish war: What else can be done? Spawning lionfish in captivity as a knowledge source for management. University of Florida Fisheries and Aquatic Sciences Graduate Student Symposium, 16 March, Gainesville, Florida. (Poster Presentation)

## **RESEARCH EXPERIENCE**

**Graduate Assistant** (University of Florida): 2015-2020. Gained experience with risk assessments, Climatch, climate as related to species distributions, the life history and behavior of the Guppy and the African Clawed Frog, and the field of invasion ecology. Conducted risk assessments for the risk of establishment lionfish in trade in Florida, for Alligator Gar as a potential aquaculture species, and for Pomacentrids. Responsible for fish and frog husbandry and assisted with fish farm duties. Developed a research program focused on non-native fish and frog biology. Conducted upper and lower lethal temperature experiments on a feral population of African Clawed Frogs. Led field work, including collecting wild frogs, electrofishing, and trapping fish.

**Nonindigenous Aquatic Species (NAS) Database Intern** (United States Geological Survey): 2016-2018. Was the contact for non-native crayfish sighting reports submitted by the public. Learned how a federal agency manages non-native species. Updated or developed peer-reviewed species accounts of non-native crayfish using peer-reviewed literature and species occurrence data. Volunteered at outreach events as a representative of NAS.

**GIS Intern** (South Florida Water Management District): 2014. Digitized applications for water use permits. Trained in cartography and geo-referencing using ArcGIS.

**Sea Turtle Researcher** (Nova Southeastern University/Broward County): 2011-2014. Analyzed the effect of human interaction on nesting turtles and hatchling orientation. Developed a hatchling disorientation index and applied it to six years of hatching reports for sea turtle nests in Broward County, Florida. Monitored the beach at night for nesting and hatching turtles and educated the public on sea turtle nesting habits.

**Senior Library Assistant** (Nova Southeastern University): 2011-2012. Assisted with research for the following book: Pleasants, J. 2013. The making of Nova Southeastern University: a tradition in innovation, 1964-2014. Fort Lauderdale-Davie: Nova Southeastern University, Inc. Volunteered at outreach events to publicize the library as a resource for students, staff, faculty, and the public.

**Research Assistant** (NOAA Alaska Fisheries Science Center): 2010-2011. Assisted with research and data compilation for the following publication: Himes-Cornell, A., K. Hoelting, C. Maguire, L. Munger-Little, J. Lee, J. Fisk, R. Felthoven, C. Geller, and P. Little. 2013. Community profiles for North Pacific fisheries - Alaska. U.S. Dep. Commer., NOAA Tech. Memo. NMFS-AFSC-259 (Volumes 1-12).

**Undergraduate Assistant** (University of San Diego): 2008-2010. Assisted with Pacific Mole Crab population dynamics research and Blue Crab habitat use research.

## **TEACHING EXPERIENCE**

*Part-Time Instructor (University of Tampa)*

**Marine Biology** (undergraduate; 3 credits): 2019 (35 students). Sole instructor and designed course, including lectures, exams, readings, assignments, and in-class activities.

*Adjunct Instructor (College of Central Florida)*

**Introduction to Environmental Science** (undergraduate; 3 credits): 2016 (25 students; 26 students). Was the sole instructor and designed course, including lectures, exams, readings, assignments, and discussions.

*Teaching Assistant (University of Florida)*

**Aquaculture I** (online; graduate/undergraduate; 3 credits): 2017 (47 students), 2018 (63 students), 2019 (69 students). Organized online content, facilitated discussions, coordinated assignment topics with students, and graded assignments.

**Environmental Science** (undergraduate; 3 credits): 2017 (22 students; 24 students), 2018 (21 students). Designed and led class activities, gave lectures, and graded assignments.

**Invasion Ecology** (online/in-person; graduate/undergraduate; 3 credits): 2018 (61 students), 2020 (55 students). Gave lectures, facilitated online discussions, organized online content, coordinated assignment topics with students, and graded assignments.

**Fundamentals in Marine Science** (undergraduate; 3 credits): 2016 (38 students), 2017 (38 students). Assisted with field trips and grading.

**Aquariums, Water, and Aquaculture** (undergraduate; 3 credits): 2016 (22 students). Developed assignments and conducted all grading and student communication.

**Marine Protected Areas** (online; graduate; 3 credits): 2015 (5 students). Facilitated discussions and graded assignments.

**Forest Ecology** (undergraduate; 3 credits): 2015 (46 students). Led labs in the field and classroom, assisted students with designing research projects, and graded assignments.

*Lab Instructor (University of Florida)*

**Integrated Principles of Biology** (undergraduate; 1 credit; 20 students per lab; 3 labs per semester): 2015, 2016. Sole instructor and developed lab lectures for predeveloped labs. Assisted students with labs and graded assignments.

## **PROFESSIONAL SERVICE**

2019-present Reviewer for the Management of Biological Invasions journal.

2017-2020 Member of the Executive Committee of the Student Subunit of the Florida Chapter of the American Fisheries Society. President (2019-2020), Vice President (2018-2019), and Secretary/Treasurer (2017-2018).

2019-2020 Treasurer of the Gator Student Subunit of the United States Aquaculture Society.

2019-present Chair of the Continuing Education Committee for the Florida Chapter of the American Fisheries Society.

2019-present Member of the Marketing and Membership Committee for the Florida Chapter of the American Fisheries Society.

2018-2020 Mentor for the Hutton Junior Fisheries Biology Program Scholar.

2016-2020 Chair (2017-2019) and member (2016, 2020) of the planning committee for the Graduate Student Symposium for Fisheries and Aquatic Sciences at the University of Florida.

- 2016-2020 Volunteer and fundraiser for the Florida Chapter of the American Fisheries Society annual meetings in 2016, 2018, 2019, and 2020.
- 2019 Co-chair of the Student Session at the Triennial Meeting, Aquaculture 2019.
- 2018-2019 Judge of presentations at the Florida Chapter of the American Fisheries Society annual meetings in 2018 and 2019.
- 2018-2019 Member of the Florida Chapter of the American Fisheries Society Service Project Committee.
- 2016-2019 President of the University of Florida Fisheries and Aquatic Sciences graduate student organization, Aquatic Research Graduate Organization (ARGO).
- 2017 Volunteer and fundraiser for the Annual Meeting of the American Fisheries Society.

**OUTREACH/EXTENSION**

- 2019 Interviewed for the University of Florida alumni magazine, *Florida GATOR*, about research on the African Clawed Frog *Xenopus*.
- 2019 Assisted with the finals of the Florida Future Farmers of America (FFA) Aquaculture Career Development Event (CDE), including proctoring tests and judging high school student presentations.
- 2019 Volunteered at the Florida Aquaculture Association exhibit at the Florida State Fair.
- 2017-2019 Participated in the Fish Slam of the interagency organization, Florida Non-Native Fish Action Alliance.
- 2018-2019 Participated in the Fish Talks of the interagency organization, Florida Non-Native Fish Action Alliance.

**COMMUNITY SERVICE**

- 2019 Organized the Florida Chapter of AFS coastal cleanup.
- 2015-2019 Volunteered at the International Coastal Cleanup in Cedar Key, Florida.
- 2017 Volunteered at the St. Petersburg Science Festival and discussed management of non-native species with the public.
- 2012-2014 Volunteered as a sea turtle hatchling rescue volunteer in Broward County. Monitored the beach for nesting and hatching sea turtles and educated the public on sea turtles.
- 2010 Organized and facilitated six Alaskan fishing community meetings.
- 2009 Tutored at a juvenile detention facility as part of a semester-long course at the University of San Diego.

**PROFESSIONAL MEMBERSHIPS**

- American Fisheries Society (AFS)
  - Education Section
  - Fish Culture Section



Invasive and Introduced Species Section  
Southern Division  
Florida Chapter  
World Aquaculture Society U.S. Chapter

**CERTIFICATIONS AND TRAININGS**

PADI Advanced Open Water Diver scuba certification  
Nova Southeastern University Leadership Training

**COMPUTER SKILLS**

R, multivariate statistics, ArcGIS, web design interfaces (Dreamweaver, WordPress, TERMINALFOUR), Microsoft Office, online learning platforms (Blackboard, Canvas).