

**Undergraduate student projects in 2015 (2990 hours total; REU style summer internships recorded as 40 hours/week)**

**Emily Wallingford** – 480 hours - Emily spent the summer testing lionfish preference for two artificial structure types. She found evidence that lionfish may prefer certain structural characteristics over others, and won Best Presentation Award at the NOAA Hollings Scholar Research Symposium.

**Jon Peake** – 480 hours - Jon developed a Microsoft Access-based stomach content analysis tool within the NOAA Lionfish Database. Jon collected diet datasets and used the tool to conduct a meta-analysis of lionfish diet throughout the invaded range, and presented that work at the 68th Gulf and Caribbean Fisheries Institute.

**Kelsie Miller** - 480 hours - Kelsie helped develop initial methodology for a future lionfish project that seeks to better understand why lionfish have been such successful invaders. This project will try to answer this question at the physiological level.

**Elisabeth Frasch** – 490 hours - Elisabeth is working toward the Applied Ecology minor on a project looking the relationship between grunt density and foraging behavior, in addition to helping out with myriad other projects in the lab.

**Riki Bonnema** – 58 hours- Examining the diet and trophic niche of the checkered puffer. She learned about preparation of samples for isotope analysis and how dietary studies are conducted. Co-author on a poster presented at the Abaco Science Conference (Bahamas).

**Alison Todd** - 5 hours - Examining the diet and trophic niche of the checkered puffer. She learned about preparation of samples for isotope analysis and how dietary studies are conducted. Co-author on a poster presented at the Abaco Science Conference (Bahamas).

**Stephanie Wenclawski** – 45 hours – Stephanie is looking at differences in coastal marine megafauna distribution on undeveloped and developed shorelines using drone technology.

**Katie Lewia** - 33 hours- Katie helped process seagrass for morphology, biomass, and nutrient analysis.

**Jillian Tucker** – 150 hours - Working toward the Applied Ecology minor, Jill analyzed the infauna of the sponge *Ircinia felix* to investigate the effects of grazing amphipods on the amount of epiphytes found on adjacent seagrass.

**Nicole Pehl** – 80 hours – Assisting on a project measuring seagrass morphology, biomass, and nutrient content using samples collected from Haiti.

**Brooke Blosser** – 100 hours – Assisting on a project measuring seagrass morphology, biomass, and nutrient content using samples collected from Haiti.

**Jacob Kinlaw** - 120 hours- Learned to process plant and animal tissue for isotope and nutrient analysis, working on a project to look at how ecosystem fragmentation in wetlands affects the importance of marine subsidies for terrestrial food webs.

**Olivia Phillips** - 90 hours - Viewed and collected data for an experimental evaluation of geographical variation in sexual selection in Bahamas mosquitofish. Olivia became familiar with the basic tenets of sexual selection and how to generate quantitative data from behavioral experiments.

**Cameron Luck** - 35 hours - Viewed and collected data for an experimental evaluation of geographical variation in sexual selection in Bahamas mosquitofish. Cameron became familiar with the basic tenets of sexual selection and how to generate quantitative data from behavioral experiments.

**Brenna Stallings** - 160 hours - She spearheaded preliminary investigation of whether urbanized streams drive morphological shifts in fishes. Also learned how to prepare samples for nutrient analysis, working toward our new projects on the stoichiometry of urban streams.

**Clara Navarro** - 175 hours - Clara was an exchange student from Brazil with little experience in the field. So she worked on a number of different projects in the lab, giving her a diverse view of field and laboratory research directions.

**Spencer Gardner** - 5 hours - Initial steps toward developing a database on the nutrient content of commercially important marine fish species. This is the preliminary data for a paper on the degree to which global marine fish exploitation is affecting nutrient capacity of the world's oceans.

**Allen Bailiff** - 4 hours - Did a preliminary scan of the primary literature and media stories to compile a list of "extreme" quotes regarding the lionfish invasion of the Caribbean. This will contribute to an incipient paper "What if we are wrong about the lionfish invasion?"