

# *Hannah-Marie Lamle*

[\*hannahmarielam@gmail.com\*](mailto:hannahmarielam@gmail.com)

*(574) 529-4385*

## RESEARCH INTERESTS

Effects of climate change on marine ecosystems, specifically coral reefs, coral reef restoration, coral reef ecology, management of Marine Protected Areas, conservation of marine resources.

## EDUCATION

Indiana University Bloomington: O'Neill School of Public and Environmental Affairs *May 2022*  
Bachelor of Science, Major: Environmental Science (*with honors and high distinction*) *GPA: 3.8 / 4.0*  
Certificate: School of Public Health, Underwater Resource Management  
Continuing Education for P.h.D. in Marine Science

## EXPERIENCE

Research Associate, Center for Underwater Science *May 2022 – Present*

- A multidisciplinary role comprised of teaching open water scuba diving classes through Indiana University as well as managing ongoing research within the Center for the program director.

Research Assistant, Center for Underwater Science *August 2020 – May 2022*

- Laboratory position aimed to gain experience in several disciplines, including underwater archaeology (artifact conservation, historical data collection, field excavation) and management (creation of interpretive materials for new Indiana DNR Nature Preserves, creation of Rapid Assessment Reports for NOAA National Marine Sanctuary).

Lead Assistant, Reef Research Laboratory *August 2021 – Present*

- A fluid role that transitioned from data combing of Underwater Science photo archive for a P.h.D. Candidate's oral qualifying exam. After the exam, work transitioned to synthesizing the data collected into a smaller research question and subsequent research paper with results.

Intern, Mote International Center for Coral Reef Research and Restoration *May 2021 – August 2021*

- Educational role of many aspects, including coral husbandry, assisting in coral growth experiments using Mote's Climate and Acidification Ocean Simulator (CAOS), coral spawning in a laboratory setting, and coral outplant techniques.

Research Assistant, Maxwell Research Lab *August 2020 – May 2021*

- Responsible for the creation, scanning, and measuring of rings in Tulip Tree core samples from the North Carolina Appalachian region to identify past periods of climate events such as drought, increased rainfall, forest fires, etc for future understanding of climate change in the area.

Intern, Sustainability Scholars *October 2018 – May 2019*

- Paired with a mentor and responsible for the proposal of a research question from a chosen topic, research and subsequent presentation of research in poster format.

Volunteer, Wawasee Area Conservancy Foundation *May 2016 – August 2018*

- Role consisting of many duties, including leading informative kayak and walking tours, assisting with water quality testing, and management of annual Mudtastic Classic 5k run.

## PUBLICATIONS

**Lamle, H.M.**, DeLillo, E. (*In Progress*) Comparing Growth and Health Metrics over time of *Dendrogyra cylindrus* colonies in Dominican Republic Reefs.

**Lamle, H.M.**, Muckerheide, S.M., Divish, C.J., Baelz, J.D., (2022) Analyzation of coral species richness in the Florida Keys and Dominican Republic Ecoregions. *In progress*.

**Lamle, H.M.**, Morales, J.P., (July 2022) Biological report for *Acropora palmata* colonies and restored fragments on 16<sup>th</sup> Century Shipwreck Site off Cap Cana, Dominican Republic. Submitted to Dirección General de Patrimonio Cultural Subacuático (DGPCS), Cap Cana Ecological Foundation, Autoridad Nacional de Asuntos Marítimos (ANAMAR).

Beeker, C.D., Johnson, C., Haskell, S.I., Hawley, K., Galloway, T., Arvin, S., Baelz, J.D., Divish, C.J., Dollens, I.R., Eshelman, C., Fritz, W.J., Green, L., **Lamle, H.M.**, May, M., Millar, K., Muckerheide, S.A., Rygiel, B.I., Velez-Hernandez, C., Vladoiu., J. (May 2022) Captain Kidd Living Museum in the Sea Rapid Assessment Report. Submitted to: Dirección General de Patrimonio Cultural Subacuático (DGPCS) Ministerio de Cultura

**Lamle, H.M.**, Glaholt, S.D., Spadaro, A.J. (2022) Coral Reefs under Threat: Could Repopulating the West Indian Spider Crab Help?. April 29, 2022. Indiana University O'Neill Honors Program.

**Lamle, H.M.**, Baelz, J.D. An Updated Report for the Biology of Shipwrecks in the Florida Keys National Marine Sanctuary. Society of Historical Archaeology Conference in Philadelphia, PA. January, 2022.

Beeker, C.D., Baelz, J.D, Lauren, K.L., Galloway, T.L., **Lamle, H.M.**, Muckerhide, S.A. (May, 2021) John Pennekamp Coral Reef State Park: Mock Spanish Shipwreck Rapid Assessment Report Submitted to: John Pennekamp Coral Reef State Park, NOAA Florida Keys National Marine Sanctuary.

Beeker, C.D., Baelz, J.D, Lauren, K.L., Galloway, T.L., **Lamle, H.M.**, Muckerhide, S.A. (May, 2021) NOAA Florida Keys Shipwreck Trail: City of Washington Rapid Assessment Report. Submitted to: NOAA Florida Keys National Marine Sanctuary.

Beeker, C.D., Baelz, J.D, Lauren, K.L., Galloway, T.L., **Lamle, H.M.**, Divish, C.J., Muckerhide, S.A. (May, 2021) NOAA Florida Keys Shipwreck Trail: Benwood Shipwreck Rapid Assessment Report. Submitted to: NOAA Florida Keys National Marine Sanctuary.

Beeker, C.D., Baelz, J.D, Lauren, K.L., Galloway, T.L., **Lamle, H.M.**, Divish, C.J., Muckerhide, S.A. (May, 2021) NOAA Florida Keys Shipwreck Trail: Brass Pin Wreck Rapid Assessment Report. Submitted to: NOAA Florida Keys National Marine Sanctuary.

Beeker, C.D., Baelz, J.D, Lauren, K.L., Galloway, T.L., **Lamle, H.M.**, Divish, C.J., Muckerhide, S.A. (May, 2021) NOAA Florida Keys Shipwreck Trail: Spanish Anchor Rapid Assessment Report. Submitted to: NOAA Florida Keys National Marine Sanctuary.

Beeker, C.D., Baelz, J.D, Lauren, K.L., Galloway, T.L., **Lamle, H.M.**, Divish, C.J., Muckerhide, S.A. (May, 2021) NOAA Florida Keys Shipwreck Trail: Winch Hole Rapid Assessment Report. Submitted to: NOAA Florida Keys National Marine Sanctuary.

**Lamle, H.M.**, Morrison, K., Montoya, R.D. Document Centers and Environmental Sustainability. Poster presented at: Sustainability Scholars Spring Symposium, Bloomington Indiana. May, 2019.

### FIELD WORK

Research Associate, Scientific Diver, Dive Master, Punta Cana Shipwreck Excavation and Management Project, *July 2022*

Research Associate, Dive Master, Center for Underwater Science Field School in the Florida Keys, *June 2022*  
Student, Research Diver, Dive Master, Center for Underwater Science Field School Dominican Republic, *May 2022*

Student, Research Diver, Center for Underwater Science Field School in the Florida Keys, *May 2021*

Student, O'Neill Abroad Island Conservation and Management in Bonaire, *May 2019*

### PROFESSIONAL QUALIFICATIONS, AWARDS, MEMBERSHIPS

**PADI Open Water Diver**

**PADI Advanced Open Water Diver**

**PADI Rescue Diver**

**PADI Enriched Air Diver**

**TDI Ice Diver**

**DAN Neurological Assessment Provider**

**DAN Emergency Oxygen Provider**

**DAN First Aid for Hazardous Marine Life Injuries Provider**

**PADI Dive Master**

**PADI Scientific Diver**

**Indiana University Scientific Diver**

**Indiana University Provost Scholarship**

*2018, 2019, 2020, 2021*

**Indiana University O'Neill Achievement Award**

*2018, 2019, 2020, 2021*

**Women Divers Hall of Fame Marine Conservation Undergraduate Scholarship**

*2022*

**O'Neill Honors Student**

*January 2019 – May 2022*

**Women Divers Hall of Fame Associate Member**

*2022*