

Grad Student papers 2015-2016
Academic calendar year July 1, 2015 - June 30, 2016

Please add:

Papers Published -

1. Full citation for any published papers you are an author on that came out in 2015 or 2016
2. This includes any order of authorship, i.e. I'm not just looking for first authored papers
3. Please include anything that has been accepted or is in press
4. Please do not include any "in prep" - we'll get those next round ;)
5. Please bold your name in the citation
6. Please add any for your lab of graduated students or let me know that those papers need to be added

Academic Presentations -

1. Full citation
2. date location of meeting

Papers Published

1. Yeager, L. A., **Keller, D. A.**, Burns, T. R., Pool, A., and F. J. Fodrie. Threshold effects of habitat fragmentation per se on fish diversity at landscapes scales <Accepted at *Ecology*, 2016>
2. Gittman, R. K., Fodrie, F. J., Popowich, A. M., **Keller, D. A.**, Bruno, J. F., Currin, C. A., Peterson, C. H., and M. F. Piehler. 2015. Engineering away our natural defenses: an analysis of shoreline hardening in the U.S. *Frontiers in Ecology and the Environment* 13:301–307.
3. Hobbs, N.V., Lazo-Wasem, E., Faasse, M., Cordell, J.R., Chapman, J.W., **Smith, C.S.**, Prezant, R., Shell, R., and Carlton, J.T. 2015. Going global: the introduction of the Asian isopod *Ianiropsis serricaudis* Gurjanova (Crustacea: Peracarida) to North America and Europe. *Aquatic Invasions* 10:2: 177-187.
4. Duffy J. E., **Ziegler S.L.**, Campbell J. E., Bippus P. M., and J. S. Lefcheck. 2015. Squidpops: A simple tool to crowdsource a global map of marine predation intensity. *PLoS ONE* 10(11): e0142994. doi:10.1371/journal.pone.0142994.
5. Allen J. D., Armstrong A. F., and **S. L. Ziegler**. 2015. Environmental induction of polyembryony in echinoid Echinoderms. *The Biological Bulletin*. 229:221-231.

6. **Kroll, I. R.**, Poray, A. K., Puckett, B. J., Eggleston, D. B., & Fodrie, F. J. (2016). Environmental effects on elemental signatures in eastern oyster *Crassostrea virginica* shells: using geochemical tagging to assess population connectivity. *Marine Ecology Progress Series*, 543, 173-186.
7. **Jesser, K.J.**, Fullerton, H., Hager, K.W., and Moyer, C.L. (2015). Quantitative PCR analysis of functional genes in iron-rich microbial mats at an active hydrothermal vent system (Loihi Seamount, HI). *Applied Environmental Microbiology* 18(9): 2976-2984.
8. Taylor, J.C., **A.B. Paxton**, C.M. Voss, B. Sumners, C.A. Buckel, J. Vander Pluym, E.F. Ebert, T.S. Viehman, S.R. Fegley, E.A. Pickering, A.M. Adler, C. Freeman, C.H. Peterson. 2016. Benthic Habitat Mapping and Assessment in the Wilmington-East Wind Energy Call Area. U.S. Department of the Interior, Bureau of Ocean Energy Management (BOEM), Atlantic OCS Region, Sterling, VA. OCS Study BOEM 2016-003 and NOAA Technical Memorandum 196. 208 p.
9. M.J. Ajemian, **M.D. Kenworthy**, J.L. Sanchez'Lizaso, and J. Cebrian. 2016. Aggregation dynamics and foraging behaviour of striped red mullet *Mullus surmuletus* in the western Mediterranean Sea. *Journal of Fish Biology*, 88, 2051-2059.
10. **Ridge, Justin T.**, Antonio B. Rodriguez, F. Joel Fodrie, Niels L. Lindquist, **Michelle C. Brodeur, Sara E. Coleman**, Jonathan H. Grabowski, and **Ethan J. Theuerkauf**. 2015. Maximizing oyster-reef growth supports green infrastructure with accelerating sea-level rise. *Scientific Reports* 5: 14785. doi:10.1038/srep14785.
11. **Theuerkauf, Ethan J.**, J. Drew Stephens, **Justin T. Ridge**, F. Joel Fodrie, and Antonio B. Rodriguez. 2015. Carbon export from fringing saltmarsh shoreline erosion overwhelms carbon storage across a critical width threshold. *Estuarine, Coastal and Shelf Science* 164: 367–378. doi:10.1016/j.ecss.2015.08.001.

Academic Presentations

1. **Keller, D.** 2015. Landscape setting affects the structure and function of oyster reefs. Oral Presentation. Ecological Society of America, Baltimore, MD.
2. **Onorevole, K.M.**, S. Thompson, M. Piehler. November 2015. Recovery of denitrification rates in restored N.C. oyster reefs and salt marshes. Oral Presentation. Coastal & Estuarine Research Federation (CERF), Portland, OR.
3. **Onorevole, K.M.**, S. Thompson, M. Piehler. March 2016. Seasonal Denitrification Patterns in Restored NC Salt Marshes and Oyster Reefs. Poster Presentation. North Carolina Wetlands Symposium, Durham, NC.
4. **Onorevole, K.M.**, S. Thompson, M. Piehler. March 2016. Seasonal Denitrification Patterns in Restored NC Salt Marshes and Oyster Reefs. Poster Presentation. Southeastern Biogeochemical Symposium, Knoxville, TN.
5. **Onorevole, K.M.** April 2016. Habitat Time Machine? Restoration and Impacts on Ecosystem Function. Oral Presentation. Duke University Marine Lab “Mostly Marine Informal Seminar Series”, Beaufort, NC.

6. **Onorevole, K.M.**, S. Thompson, M. Piehler. June 2016. Restoration Trajectory of Denitrification in North Carolina Salt Marshes. Oral Presentation. Society of Wetland Scientists Annual Meeting, Corpus Christi, TX.
7. **Young, E.** 2016. Influences of shoreline stabilization structures on nekton and avian assemblages in saltmarsh habitats. Oral Presentation. Biology Seminar Series, UNCP, Pembroke NC.
8. **Kroll, IR.** 2015. It starts at home: The influence of nursery habitats on the reproductive life history of a coastal marine fish. Poster Presentation. Ecological Society of America, Baltimore, MD.
9. **Kroll, IR.** 2015. Linking juvenile habitat utilization to adult stock dynamics of the black sea bass. Oral Presentation. American Fisheries Society, Portland, OR.
10. Jesser, KJ. 2016. Metagenomic characterization of *Vibrio* in the Neuse River Estuary, NC. Oral Presentation. Water Microbiology, Chapel Hill, NC.
11. **Paxton, A.B.**, J.C. Taylor, D.P. Nowacek, E.B. Ebert, C.M. Voss, and C.H. Peterson. March 2016. Oral Presentation. Opti-sonic instrument arrays illuminate how underwater sound influences reef fish. *Coastal Carolina Scientific Diving Association – Scientific Diving Symposium*, Pine Knoll Shores, NC, USA.
12. **Paxton, A.B.**, J.C. Taylor, D.P. Nowacek, J. Dale, E. Cole, C.M. Voss, and C.H. Peterson. February 2016. Oral Presentation. Seismic survey noise disrupted fish use of a temperate reef. *UNC Curriculum for the Environment and Ecology Research Symposium*, Chapel Hill, NC, USA.
13. Granzotti, R.V.,* **A.B. Paxton**, and C.H. Peterson. September 2015. Influence of prey and predator presence on habitat selection by the temperate reef fish *Centropristis striata* (black sea bass). *XII Brazilian Congress of Ecology*, Brazil. (also poster presentation). *Granzotti was a Brazilian exchange student at UNC-IMS during summer 2014.
14. **Paxton, A.B.**, J.C. Taylor, D.P. Nowacek, C.H. Peterson, and C.M. Voss. October 2015. Oral Presentation. Fish use of artificial structures and fish response to a seismic survey. *Meeting with BOEM Director and Leadership*, Beaufort, NC, USA.
15. **Paxton, A.B.** April 2016. Offshore energy development and reef fish. Oral Presentation. *East Carolina University, Biology Department, Research in Progress Seminar Series*, Greenville, NC, USA.
16. **Theuerkauf, E.J., J.T. Ridge**, H.L. Heenehan, A.L. Larkin, and **A.B. Paxton**. November 2015. Enhancing geoscience in the K-12 classroom by building a network that connects educators with local, cutting-edge research. Poster Presentation. *Geological Society of America*, Baltimore, MD, USA.
17. **Paxton, A.B.**, A.L. Larkin, H.L. Heenehan, **J.T. Ridge**, and **E.J. Theuerkauf**. October 2015. SciREN Portal: An interactive tool that connects researchers and educators. Poster Presentation. *Kenan-Biddle Poster Session*, Chapel Hill, NC, USA.
18. Granzotti, R.V.,* **A.B. Paxton**, and C.H. Peterson. September 2015. Poster Presentation. Influence of prey and predator presence on habitat selection by the temperate reef fish *Centropristis striata* (black sea bass). *XII Brazilian Congress of Ecology*, Brazil. (also oral presentation). *Granzotti was a Brazilian exchange student at UNC-IMS during summer 2014.
19. **Paxton, A.B.**, E.A. Pickering, A.M. Adler, J.C. Taylor, and C.H. Peterson. Oral Presentation. Existing natural and artificial temperate reefs provide valuable insight into future offshore renewable energy development. June 2016. *International Temperate Reef Symposium*, Pisa, Italy.

20. **Hounshell, A.G.**, B.L. Peierls, H.W. Paerl, C.L. Osburn, and B. Abare. Poster Presentation. Using fluorescence to determine the fate and bio-reactivity of dissolved and particulate organic nitrogen in the Neuse River Estuary, North Carolina, USA. February 2016. *Ocean Sciences Meeting*, New Orleans, LA, USA.
21. **Hounshell, A.G.**, B.L. Peierls, H.W. Paerl, C.L. Osburn, and B. Abare. Poster Presentation. Using fluorescence to track organic matter cycling in the Neuse River Estuary, North Carolina using nutrient addition bioassays. March 2016. *WRRRI Annual Conference*, Raleigh, NC, USA.
22. **Smith, C.S.**, R.K. Gittman, I.P. Neylan, C.H. Peterson. Oral Presentation. Hurricane damage along natural and engineered shorelines: An economic and environmental analysis. March 2016. Atlantic Estuarine Research Society Meeting, Virginia Beach, VA
23. **Smith, C.S.**, R.K. Gittman, I.P. Neylan, C.H. Peterson. Oral Presentation. Hurricane damage along natural and engineered shorelines: An economic and environmental analysis. March 2016. Benthic Ecology Meeting, Portland, ME.
24. **Kenworthy, M.D.**, Fodrie, J.F., Mahoney, R. Oral Presentation: Following the fish to find the edge: Delineating habitat boundaries using high resolution acoustic tracking data. August 2015. Ecological Society of America, Baltimore, MD.
25. **Kenworthy, M.D.**, Gittman, R., **Keller, D.A.**, Grabowski, J.H., Layman, C.A., Peterson, C.H., Powers, S.P., Sherwood, G.D., Fodrie, J.F. Oral Presentation: Movement ecology of a mobile predatory fish reveals limited landscape-scale linkages within a temperate estuary. August 2015. American Fisheries Society, Portland, OR.
26. Fodrie, J.F., **Kenworthy, M.D.**, **Keller, D.A.** Oral Presentation: Habitat restoration and potential impacts on finfish in NC. May 2016. CCA Board Meeting, Beaufort, NC.
27. **Van Dam, B.R.** November 2015. Hurricane Joaquin: Stormy Weather and Muddy Waters. Oral Presentation. Coastal & Estuarine Research Federation (CERF), Portland, OR.
28. **Van Dam, B.R.** March 2016. CO2 Fluxes in Two NC Estuaries: A Stormy Future? Poster Presentation. Southeastern Biogeochemistry Symposium, Knoxville, TN.
29. **Gao, J.**, R. Luettich, B. Reichl, I. Ginis, T. Asher. Oral Presentation. Including Sea State Dependent Surface Stress in ADCIRC for Storm Surge Prediction. January, 2016. AMS 96th Annual Meeting, New Orleans, LA.
30. **Ridge, Justin T.**, and Antonio B. Rodriguez, 2015. Coupling oyster reef with saltmarsh enhances carbon storage in the face of sea-level rise. *Geological Society of America Abstracts with Programs*, 47(7):628 (Baltimore, MD)
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