

ROBERT DANIEL HARRIS
Curriculum Vitae
Odum School of Ecology
University of Georgia
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Education

Ph.D. Ecology, University of Georgia (UGA). Advisor: Dr. James E. Byers. 2012 - Current.
B.Sc. (Hon), Geology with a minor in Zoology, National University of Ireland Galway, 2004

Research Experience

Invited researcher, National University of Ireland, Galway. Dr. Louise Firth. Summer 2013

Professional Experience - University of Georgia's Marine Extension Service, 2007 – 2013

G.E.O.R.G.I.A. (Generating Enhanced Oyster Reefs in Georgia's Inshore Areas) Program coordinator

- Duties included permit and grant writing, coordination of outreach events and oyster shell recycling program, and planning, implementing and monitoring (physical/chemical/biological) oyster restoration projects along the Georgia coast
- Developed partnerships with the Georgia Department of Natural Resources (GaDNR), The Nature Conservancy (TNC), AmeriCorps and a number of local government and non profit organizations

Sapelo Living Shoreline Demonstration Project

- Team member, collaborating with GaDNR, TNC and the Sapelo Island National Estuarine Research Reserve. Effecting shoreline armoring decisions by presentation to permitting divisions of the GaDNR, Georgia Environmental Protection Division, U.S. Army Corps of Engineers, National Oceanic and Atmospheric Administration and the U.S. Fish and Wildlife Service

Georgia Oyster Inventory

- Creation of a naturally occurring oyster reef inventory by GIS field mapping techniques
- Compiling GIS data by digitizing historical surveys and comparing to mapped oyster reefs and land usage
- Collaboration with TNC, GaDNR and the Sapelo Island National Estuarine Research Reserve to create an oyster restoration plan and an oyster habitat suitability index for the state of Georgia

Other Programs

- Provided assistance and guidance to other programs such as Adopt-A-Wetland, Oyster Aquaculture, Wetland Inventory, Spartina Nursery, Essential Fish Habitat and Invasive Species

Fellowships, Grants and Awards

St Catherines Island Foundation/American Museum of Natural History, \$3,400 & 4 years of housing
Savannah Presbytery M.K. Pentecost Ecology Fund, \$2,000

Solitary Glove Award, Ecology, UGA, \$500

National Science Foundation Graduate Research Fellowship, \$132,000

1st place, Proposed Research Presentation, Graduate Student Symposium, Ecology, UGA, \$250

Attendance Scholarship, 6th National Restoring Americas Estuaries conference in Tampa Florida, \$500

Publications and Reports

Power, A., Corley, B., Atkinson, D., Walker, R., **Harris, D.**, Manley, J., and Johnson, T. 2010. A caution against interpreting and quantifying oyster habitat loss from historical surveys. *J. Shellfish Res.* 29(4):927-936.

- Corley, B. and **Harris, R. D.** 2011. Coastal Georgia Shellfish Inventory: McIntosh County Final Report. Georgia Department of Natural Resources.
- Corley, B. and **Harris, R. D.** 2011. Coastal Georgia Shellfish Inventory: Bryan and Liberty County Final Report. Georgia Department of Natural Resources.
- Harris, R. D.** 2010. Long Tabby Living Shoreline Monitoring. Georgia Department of Natural Resources.
- Harris, R. D.** 2010. Ashantilly Living Shoreline Monitoring. Georgia Department of Natural Resources.

Presentations

- Harris, R. D.** 2013, 2014 and 2015. "Application of Landscape Ecology to Interactions between Coastal Ecosystem Engineers", *Three Minute Thesis Competition*, Athens, Ga.
- Harris, R. D.** 2013, 2014 and 2015. "Application of Landscape Ecology to Interactions between Coastal Ecosystem Engineers", *Graduate Student Symposium*, Athens, Ga, Odum School of Ecology.
- Harris, R. D.** 2012. "Living Shorelines: A new look for the Georgia Coast", *Restore America's Estuaries 6th National Conference*, Tampa, FL, Tampa Convention Center.
- Harris, R. D.** 2011. "Sapelo Living Shoreline Project", *Applications of Living Shorelines in the Southeast*, Yulee, FL, Betty P. Cook Nassau Center, FL.
http://floridadep.org/gtm/pub/ctp/living_shorelines/Sapelo_Harris.pdf.
- Harris, R. D.** 2010. "Oyster Restoration Efforts Through G.E.O.R.G.I.A. - Generating Enhanced Oyster Reefs in Georgia's Inshore Areas", *Restore America's Estuaries 5th National Conference*, Galveston, Tx, Galveston Conference Center.
- Harris, R. D.** 2007 - 2013. "Oyster Restoration Efforts Through G.E.O.R.G.I.A. - Generating Enhanced Oyster Reefs in Georgia's Inshore Areas", *to over 100 federal, state and local government, NGO, schools and clubs*, Georgia and neighboring states.

Invited Lectures

- Coastal Zone Management Class, Savannah State University, Savannah, Ga. 2011
- Odum School of Ecology, Computational Ecology Group, University of Georgia, Athens, Ga. 2011

Undergraduate Student Mentorship

- Kaleigh Davis, undergraduate research assistant (summer 2014 to present)
- Lucas Montouchet, undergraduate research assistant (summer '14) and CURO fellow (summer '15)
- John Coffin, undergraduate research assistant (fall to spring 2014 and spring to summer 2015)
- Katie Mattox, undergraduate research assistant (summer 2015)
- Michael Holden, undergraduate research assistant (fall 2013 to summer 2014)
- Tim Montgomery, undergraduate research assistant (summer 2014)
- Jessica Story, undergraduate research assistant (summer 2014)

Undergraduate Honors Student Committee

- Kaleigh Davis, undergraduate honors thesis reader (spring 2015)

Other Relevant Information

- Boat Handling - Over 3000 hours of piloting, seamanship and boat hauling expertise
- Software - MS Office, ArcGIS, eCognition, Agisoft PhotoScan, R, Adobe CS Master and Final Cut Pro
- Hardware - Trimble RTK GPS, Milestone DMA80, TruPulse 360B, Arduino Microcontroller