

Curriculum Vitae – Research Emphasis

Charles Scott Adams

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Education

2015-current Geoscience (thesis) master's program at *University of North Carolina Wilmington*
2008-2012 B.S. in Marine Science (thesis) *Eckerd College*, St. Petersburg, Florida.
Thesis: *Abrupt Climate Change in the Gulf of Mexico (22-27k YBP)*

Professional Experience

2012-2015 Researcher II, U.S. Geological Survey, St. Petersburg (contractor with CNTS)
2011 Research cruise scientist with *University of South Florida*, post-BP oil spill
2010-2012 Research Assistant, *University of South Florida* Paleooceanography Lab

Research Experience

USGS Research: Sedimentology and Geochemical Laboratory (project leads: Dr. Lisa Osterman and Dr. Chris Smith).

- Preparation and analysis of sediment cores for physical parameters and foraminiferal assemblage work
- Statistical analysis on data using FA, PCA, CA, DCA, DCCA, transformational techniques.
- Advanced understanding in Excel VBA; working knowledge of Matlab; competent understanding of C2 and basic use of R. Advanced operation of Sigmaplot software.
- Isotopic analysis and preparation of samples for the EA-MS at UNCW Center for Marine Science
- Organization and participation in land and water-based estuary coring field work.
- MOCC (Coast Guard water-safety course) operator and Adult First Aid/CPR/AED certified.
- Grain size analysis using LS200 Beckman-Coulter Counter.
- Picking and processing of benthic and planktonic foraminifera from post-glacial sediment.
- Participation and organization of laboratory supplies for *USF* post-BP oil spill related research cruises

Selected Publications

Marot, M.E., **Adams, C.S.**, Richwine, K.A., Smith, C.G., Osterman, L.E., and Bernier, J.C., 2014, Temporal changes in lithology and radiochemistry from the back-barrier environments along the Chandeleur Islands, Louisiana—March 2012–July 2013: U.S. Geological Survey Open-File Report 2014-1079, doi.org/10.3133/ofr20141079.

Richwine, K.A., Marot, M.E., Smith, C.G., Osterman, L.E., and **Adams, C.S.**, 2015, Biological and geochemical data along Indian Point, Vermilion Bay, Louisiana: U.S. Geological Survey Open-File Report 2015-1143, doi.org/10.3133/ofr20151143.

Stallings, C. D., Neslon, J. A., Rozar, K.L., **Adams, C.S.**, Wall, K.R., Switzer, T.S., Winner, B.L., Hollander, D.J., 2014, Effects of preservation methods of muscle tissue from upper-trophic level reef fishes on stable isotope values ($\delta^{13}\text{C}$ and $\delta^{15}\text{N}$): PeerJ Prints, doi.org/10.7287/peerj.preprints.752v1