

ADAM GRIFFITH

EDUCATION

- 2014 – Present University of North Carolina at Charlotte Charlotte, NC
Doctoral student in Geography and Urban Regional Analysis
- 2005 - 2008 Western Carolina University 3.95 GPA Cullowhee, NC
Master of Science in Biology
- 1995 - 1999 Roanoke College Salem, VA
Bachelor of Science in Biology, Minor in Environmental Science

WORK EXPERIENCE

- 2008 – 2014 Western Carolina University Cullowhee, NC
Coastal Research Scientist and Adjunct Professor of Biology
- Director of Rivercane Restoration Project using over 100 volunteers to restore culturally important species
 - Launched non-profit Beachcare.org in 2008 via an exclusive partnership
 - Created over 100 pages of original web content to developers for new non-profit
- 2010 – 2013 Public Lab Boston, MA
Director of Science and Coastal Environments
- Worked collaboratively with 6 other co-founders to secure a \$500,000 grant from the John S. and James L. Knight Foundation to start the Public Laboratory, an international citizen science non-profit organization
- 2002 - 2006 Nantahala Outdoor Center Bryson City, NC
Head Guide on the Nantahala River and Kayak Instructor
- Managed daily operations and staff of 50+ for largest rafting company in the eastern US and taught whitewater kayaking for a US premier kayaking school.
- 1999 - 2002 Houston Independent School District Houston, TX
6th Grade Science Teacher at W.I. Stevenson Middle School
- Created lesson plans, prepared labs, and evaluated work for over 150 students.
 - Organized and acquired funding for over ten field trips.
 - Coordinated school science fair for 100+ students and accompanied 20+ students to district and city-wide science fairs for two years.
 - Coached boy's soccer team to city semi-finals two years in a row.
- 1999-2001 Teach for America Corps Member Houston, TX
- Selected to Teach for America, which places recent college graduates into urban and rural Title I public schools to close the achievement gap between the rich and poor.

PUBLICATIONS

- Griffith, A.D., and Staton, J.S. (In prep.) Impacts of 2.25 feet of sea-level rise on Hilton Head Island, SC. Anticipated Journal: Southeastern Geology.
- Griffith, A.D., Coburn, A., & Young, R.S. (submitted). Hurricane Sandy: did beach nourishment save New Jersey? In Farmer, E.C. and Bennington, J.B. (Eds.) Sandy Elsevier special publication. Elsevier.
- Tanner, B.R., Kinner, D.A., **Griffith, A.D.**, Young, R.S. & Sorrell, L.M (2011). Presence of *Arundinaria gigantea* (river cane) on numerous non-wetland sites suggests improper ecological classification of the species. *Wetlands Ecology and Management*. 19(6): 521-532.
- Griffith, A.D., Warren, J.Y., & Wylie, S.A. (2011). From grassroots mapping to a public laboratory. *Citizen Science Quarterly*. 1, 26-33.
- Coburn, A.S., **Griffith, A.D.** & Young, R.S. (2010). Inventory of coastal engineering projects in coastal national parks. Natural Resource Technical Report NPS/NRPC/GRD/NRTR—2010/373. National Park Service, Fort Collins, Colorado.
- Griffith, A.D., Kinner, D.A., Tanner, B.R., Moore, A., Mathews, K.G. & Young, R.S. (2009). Nutrient and physical soil characteristics of rivercane (*Arundinaria gigantea*) stands, western North Carolina. *Castanea*. 74(3)
- Griffith, A.D., McDowell, K., & Young, R.S. (2007). Rivercane restoration project: recovering an ecologically and culturally significant species (North Carolina). *Ecological Restoration*. 25, 144-145.

PUBLISHED ABSTRACTS

- Griffith, A.D. Coburn, A., Peek, K. and Young, R. (2013) Hurricane Sandy: Did beach nourishment save New Jersey? Geological Society of America *Abstracts with Programs*, Vol. 45, No. 7.
- Griffith, A.D. and Young, R. (2012) Observations of coastal systems using low-cost, high resolution, balloon and kite based aerial imagery. *Geophysical Research Abstracts*, Vol. 14, 13732.
- Griffith, A.D., Dosemagen, S., and Warren, J. (2012) Complete data lifecycles and citizen science via The Public Laboratory. *Geophysical Research Abstracts*, Vol. 14, 13733.
- Griffith, A.D., Krake, H., Monteith, C., and Young, R.S. (2012) Restoration of the ultimate riparian buffer species, rivercane (*Arundinaria gigantea*), on the Oconaluftee River floodplain, Cherokee, NC. Geological Society of America *Abstracts with Programs*, Vol. 44, No. 7, p. 355.
- Griffith, A.D., Young, R.S., Staton, J., and Morgan, D. (2012) Examining the physical and economic impacts of sea-level rise at the community level: Hilton Head Island, SC. Geological Society of America *Abstracts with Programs*, Vol. 44, No. 4, p. 75.
- Griffith, A.D., Young, R.S., Staton, J., and Morgan, D. (2011) Potential impacts of sea level rise on Hilton Head, SC. Geological Society of America *Abstracts with Programs*, Vol. 43, No. 5, p. 619
- Griffith, A.D., Tanner, B., Kinner, D.A., and Young, R.S. (2010) Restoration of *Arundinaria gigantea* (rivercane) to the Oconaluftee River floodplain, Cherokee, NC. Geological Society of America *Abstracts with Programs*, Vol. 42, No. 5, p. 593
- Griffith, A. and Young, R. (2009) Documenting the global impacts of beach sand mining. *Geophysical Research Abstracts*, Vol. 14, 11593.
- Griffith, A.D., Young, R.S., and Pilkey, O.H. (2009) The global extent of beach sand mining. Geological Society of America *Abstracts with Programs*, Vol. 41, No. 7, p. 585.
- Griffith, A.D., Kinner, D.A., McDowell, K., Tanner, B., and Young, R.S. (2007) Soil characterization for rivercane (*Arundinaria gigantea* (Walter) Muhl.) restoration in western NC. Geological Society of Am. *Abstracts with Programs*, Vol. 39, No. 6, p. 243.

MEDIA ARTICLES

- Holland, J. "Sand for Sale." *National Geographic*. May 2011 (National Edition).
- McKie, S. "River cane: Important Cherokee cultural staple." Cherokee One Feather [Cherokee], 22 MAY 2012
- Fretwell, S. "Rivercane could stand tall again." The State [South Carolina], 21 AUG 2011.
- Kesselring, M. "Rivercane transplanting underway." Macon County News [Franklin, NC], 17 MAR 2011
- Staff. "Help restore the Cherokees' rivercane" Smoky Mountain News [WNC] 16 FEB 2011

BLOGS AUTHORED

- PBS IdeaLab – 15 MAR 2013 How Public Lab Creates Memorable Fieldtrips for Students.
- PBS IdeaLab – 22 MAY 2012 Public Lab's Keys to Developing Low-Cost Science Tools.
- PBS IdeaLab – 16 NOV 2011 Public Lab's 'Barnraising' Focuses on DIY Infrared Camera Development.
- Coastalcare.org Dec 2012 Beach of the Month – "Faroe Islands" by Adam Griffith
- Coastalcare.org June 2010 Beach of the Month – "Isle Grand Terre, Louisiana" by Adam Griffith and Rob Young.
- Coastalcare.org May 2009 Beach of the Month – "Elwha beach near Port Angeles, WA" by Rob Young and Adam Griffith.
- American Whitewater – 6 JUN 2008 -Rivercane on the Cheoah.

TEACHING

- FA 2014 – Teaching Assistant for Geography 4132
- FA 2013 – Biology 140 (for majors)
- FA 2012 – Biology 105 (for non-majors)
Student Evaluation – 3.66 out of 4
- FA 2011 - Biology 140 (for majors)
Student Evaluation – 3.47 out of 4 compared to departmental avg of 3.36
- FA 2010 – Biology 140 (for majors)
Student Evaluation - 3.65 out of 4
- Honors projects – Rachel Phipps, Kaitlyn Reda, Ryan Nelsen

AWARDS AND CERTIFICATIONS

- 1st Place 2006 WCU Graduate Student Paper Competition in Science
- ESRI Introduction to ArcGIS II – 24 hour course, May, 2007
- Tri-Beta Biological Honor Society (Roanoke College)
- Omicron Delta Kappa Honor Society (Roanoke College)
- Provisionally Certified Teacher in Texas in Secondary Science
- Commercial driver's license, Class B with passenger and air brake endorsements
- Advanced Wilderness First Aid
- CPR