

DR. BENJAMIN R. TANNER
Department of Environmental Science and Studies
Stetson University
229 Sage Hall
Deland, FL 32723
386-822-7382 (work)
207-412-8401 (cell)
btanner@stetson.edu

EDUCATION

Ph.D., Earth and Planetary Sciences, University of Tennessee, Knoxville, TN 2005
M.S., Quaternary and Climate Studies, University of Maine, Orono, ME 2001
B.S., Anthropology, Minor in Geology, Florida State University, Tallahassee, FL 1999
Cum Laude

PROFESSIONAL EXPERIENCE

Assistant Professor of Environmental Science and Studies, Stetson University 2016-Present
Associate Professor of Geology (Tenured), Western Carolina University 2011-2016
Assistant Professor of Geology, Western Carolina University 2005-2011
Adjunct Professor of Natural Sciences, Maryville College 2005
Teaching Associate, University of Tennessee 2003-2005
Teaching Assistant, University of Tennessee 2001-2003
Research Assistant, University of Maine 1999-2001
Laboratory Technician, Museum of Florida History 1998-1999

COURSES TAUGHT

ENSS 140 and ENSS 141, Introduction to Environmental Studies and Science, Stetson University
ENSS 230, Introduction to Geology, Stetson University
ENSS 330, Wetland Systems, Stetson University
ENSS 390, Geomorphology, Stetson University
ENSS 497 and 498, Senior Research Sequence, Stetson University
GEOL 140, Investigations in Environmental Geology, WCU
GEOL 150, Methods in Geology, WCU
ES 150, Introduction and Approaches to Environmental Science, WCU (2 week geology section of course)
GEOL 191, Geology, Landscapes and the Human Psyche, WCU
GEOL 310 Lab, Soils and Hydrology, WCU
GEOL 455/555, Wetlands, WCU
GEOL 465/565, Environmental Geochemistry, WCU
GEOL 494/591, Topics in Geology: Wetland Identification and Delineation, WCU
GEOL 495, Senior Research Seminar (Capstone Course), WCU
GEOL 491, Topics in Geology: Coastal Systems, WCU
GEOL 491, Topics in Geology: Global Climate Change, WCU
GEOL 494, Topics in Geology: Great Smoky Mountains National Park Fieldtrip, WCU
Natural Science: Earth Science and the Environment, Maryville College
Environmental Geology, University of Tennessee
Physical Geology, University of Tennessee

PEER REVIEWED ARTICLES (Bold indicates student author)

- Tanner, B.R., **Douglas, M.L.**, Greenberg, C.H., **Chamberlin, J.N.**, and Styers, D.M., 2018, A Macroscopic Charcoal and Multiproxy Record From Peat Recovered From Depression Marshes in Longleaf Pine Sandhills, Florida, USA, *Quaternary*, v. 1(3), 25.
- Tanner, B.R., Lane, C.S., **Martin, E.M.**, Young, R., and Collins, B., 2015, Sedimentary Proxy Evidence of a mid-Holocene Hypsithermal Event in the Location of a Current Warming Hole, North Carolina, USA, *Quaternary Research*, v. 83, p. 315-323.
- Bostic, J.**, Tanner, B., and McDowell-Peek, K., 2015, Apparent Drowned Impacts of T-Head Groin Construction on a Salt Marsh, Hunting Island State Park, SC, *Southeastern Geology*, v. 51, p. 51-64.
- Perry, L., Farmer, B., Onder, D., Tanner, B., and Burton, C., 2015, A Community-Based Activities Survey: Systematically Determining the Impact on and of Faculty, *Metropolitan Universities Journal* v.26, p. 25-45.
- Tanner, B.R., Kinner, D.A., Griffith, A.D., Young, R.S., and **Sorrell, L.M.**, 2011, Presence of *Arundinaria gigantea* (rivercane) on Numerous Non-wetland Sites Suggests Improper Ecological Classification of the Species, *Wetlands Ecology and Management* v. 19, p. 521-532.
- Wilson, K.R., Kelley, J.T., Tanner, B.R. and Belknap, D.F., 2010, Examining North-Temperate Salt-Marsh Geologic Records: Determining Origin of and Defining a Unique Stratigraphic Signature for Salt Pools of Six Maine Salt Marshes, U.S.A., *Journal of Coastal Research* v. 26, p. 1007-1026.
- Song, X., Tanner, B.R., and **Neff, K.E.**, 2010, Exploring Possibilities for Using UV/Vis and Fourier – Transform Infrared Spectroscopy to Directly Differentiate Soil Organic Matter in a Soil Profile, *Spectroscopy Letters* v. 43, p. 561-566.
- Tanner, B.R., Kelley, J.T., Uhle, M.E., Mora, C.I., Lane, C., Schuneman, P.J., and **Allen, E.S.**, 2010, Comparison of Bulk and Compound-Specific $\delta^{13}\text{C}$ Analyses and Determination of Carbon Sources to Salt Marsh Sediments Using *n*-Alkane Distributions (Maine, USA), *Estuarine, Coastal and Shelf Science* v. 86, p. 283-291.
- Griffith, A.D.**, Kinner, D.A., Tanner, B.R., **Moore, A.**, Mathews, K.G., and Young, R.S., 2009, Nutrient and Physical Soil Characteristics of River Cane Stands, Western North Carolina, *Castanea*, v. 74, p. 224-235.
- Tanner, B.R., Uhle, M.E., Kelley, J.T., and Mora, C.I., 2007, C3/C4 Variations in Salt Marsh Sediments: An Application of Compound Specific Isotopic Analysis of Lipid Biomarkers to Late Holocene Paleoenvironmental Research, *Organic Geochemistry* v. 38, p. 474-484.
- Tanner, B.R., Perfect, E., and Kelley, J.T., 2006, Fractal Analysis of Maine's Glaciated Shoreline Tests Four Compartment Coastal Classification Scheme, *Journal of Coastal Research* v. 22, p. 1300-1304.

OTHER PAPERS, NON-TRADITIONAL PEER REVIEW

2017 Brief of Dr. M. Siobhan Fennessy, Dr. Carol A. Johnston, Dr. Marinus L. Otte, Dr. Margaret Palmer, Dr. James E. Perry, Professor Charles Simenstad, Dr. Benjamin R. Tanner, Dr. Dan Tufford, Dr. R. Eugene Turner, Dr. Kirsten Work, Dr. Scott C. Yaich, and Dr. Joy B. Zedler as Amici Curiae in Support of Respondents and in Support of Upholding the Clean Water Rule, filed at The United States Court of Appeals for the Sixth Circuit by Royal C. Gardner, Erin Okuno, and Dr. Stephanie Tai, attorneys of Amici Curiae.

OTHER SCHOLARLY PRODUCTS

2017 Florida Formations exhibit at Gillespie Museum, Stetson University by Wendy Tanner (lead), Karen Cole, and Benjamin Tanner.

CONFERENCE ABSTRACTS AND OTHER PRESENTATIONS (Bold indicates student author)

Tanner, B., Work, K., **Bibaud, R.**, **Mcleod, G.**, 2019, Holocene organic sediment accumulation in Florida spring runs, Geological Society of America Abstracts with Programs, abstract accepted for upcoming meeting - presentation scheduled for March, 2019.

- Chamberlin, J., Soehnlein, C., Nweeia, N.,** Tanner, B., Evans, J., 2019, Establishment of proxy indicators of mangrove and salt marsh deposition and application to soil cores, Geological Society of America Abstracts with Programs, abstract accepted for upcoming meeting - presentation scheduled for March, 2019.
- Dombeck, A.,** Tanner, B., 2019, Sediment archive of seagrass dynamics in northern Indian River Lagoon, FL, Geological Society of America Abstracts with Programs, abstract accepted for upcoming meeting - presentation scheduled for March, 2019.
- Tanner, B., **Douglas, M., Chamberlin J.,** Greenberg, C., Styers, D., 2018, Macroscopic charcoal analysis of organic-rich sediment from depression marshes located within Florida's longleaf pine sandhills suggests frequent fire, American Association of Geographers Annual Meeting, New Orleans, LA.
- Soehnlein, C.,** Tanner, B., Evans, J., 2018, Finding a Fingerprint for Salt Marsh and Mangrove Deposits, American Association of Geographers Annual Meeting, New Orleans, LA.
- Tanner, B., 2018, Sediment Archive of Seagrass Dynamics in Mosquito Lagoon, Stetson Faculty Spotlight Series, Deland, FL. (Invited)
- Tanner, B., 2018, Wetland Peat Core Records of Environmental and Climatic Change, Tomoka Gem and Mineral Society Meeting, Holly Hill, FL. (Invited)
- Tanner, B., 2017, Frequent forest fires evident in mud core records from isolated wetlands in the longleaf pine sandhills of the Ocala National Forest, Stetson Faculty Spotlight Series, Deland, FL. (Invited)
- Soehnlein, C.** (Presenter), Tanner, B., and Evans J. (Faculty Sponsors), 2017, Identification of Proxy Indicators of Salt Marsh and Mangrove Communities for application to soil core analysis, ShORE Symposium, New Smyrna Beach, FL.
- Tanner, B., 2017, The salt marsh/mangrove ecotone – recent shifts and a long term perspective, ELL-Stetson Wetlands Workshop, College of Law, Gulfport, FL. (Invited, session panelist)
- Tanner, B., 2017, Sea level: Past, present, and future change, Science Café, Gillespie Museum, Deland, FL. (Invited)
- Styers, D., Tanner, B., Greenberg, C., 2017, Spatio-temporal variations in climate-growth relationships of longleaf pines (*Pinus palustris*) in Ocala National Forest, FL, Association of Southeastern Biologists Annual Meeting, Montgomery, AL.
- Douglas, M.,** Styers, D., Tanner, B., Greenberg, C., 2017, Tree-ring analysis of longleaf pines (*Pinus palustris*) in Ocala National Forest, FL, Association of Southeastern Biologists Annual Meeting, Montgomery, AL.
- Tanner, B., Horn, S., Boehm, M., Driese, S., Young, R., Ballard, J., Li, Z., Lane, C., **Martin, L.,** 2016, Radiocarbon Ages of Southern Appalachian Wetland Deposits Show Low Accumulation During the Middle Holocene, Geological Society of America Abstracts with Programs, Vol. 48, No. 7.
- Dunlap, C.,** Tanner, B., 2016, Organic rich deposits from a Southern Appalachian wetland indicate carbon sequestration potential and site stability over the last millennium, Geological Society of America Abstracts with Programs, Vol. 48, No. 3.
- Perry, L., Farmer, B., Burton, C., Onder, D., Tanner, B., 2016, A community-based activities survey: determining impact of and on faculty, Pathways to Achieving Civic Engagement Conference, High Point University.
- Tanner, B., 2016, Understanding the past to better manage today: Paleoenvironments of Southern Appalachian bogs, Bog Learning Network Annual Meeting, Asheville NC. (Invited)
- Tanner, B., **Keever, M.,** 2015, Organic-rich sediments from a Southern Appalachian wetland provide a record of late Pleistocene through Holocene environmental conditions, Geological Society of America Abstracts with Programs, Vol. 47, No.7.
- Tanner, B., 2015, Long term carbon sequestration rates of southern Appalachian wetlands, Geological Society of America Abstracts with Programs, Vol. 47, No.2.
- Corcoran, K., Dunlap, C.,** Tanner, B., 2015, Soil cores of four organic-rich wetland deposits from Western North Carolina provide a record of Holocene environmental change for the Southern Appalachians, Geological Society of America Abstracts with Programs, Vol. 47, No. 2.
- Schumaker, M.,** Styers, D., Greenberg, C., Tanner, B., 2015, Examining the role of oak encroachment in longleaf pine ecosystems in Ocala National Forest. Society of American Foresters National Convention, Baton Rouge, LA.
- Tanner, B., 2014, Western NC Wetland Peat Core Records and Environmental Change. WCU Biology Paul Burton Seminar Series. (Invited)

- Tanner, B., **Martin, L.**, Lane, C., Young, R., Collins, B., 2014, A Southern Appalachian, organic-rich wetland deposit provides evidence for mid-Holocene hypsithermal in location of current warming hole, North Carolina, Geological Society of America Abstracts with Programs, Vol. 46, No. 3.
- Bostic, J.**, Tanner, B., Young, R., 2014, Downdrift impacts of T-head groin construction on a Back-barrier Salt Marsh, Hunting Island State Park, SC, Geological Society of America Abstracts with Programs, Vol. 46, No. 3.
- Williams, M., Cogburn, C., Coker, M., Brittain, A.**, Tanner, B., 2014, Paleoenvironmental Study of Late Holocene, Organic-Rich Deposits Recovered From Pink Beds, a Southern Appalachian Wetland in Western NC, Geological Society of America Abstracts with Programs, Vol. 46, No. 3.
- Merrill, S., Beall, D., Chopp, A., Doll, B., Farris, A., Jensen, A., Johnson, D., Scholtz, E.**, Tanner, B., 2014, Paleoenvironmental Study of Late Pleistocene-Holocene Southern Appalachian Wetlands, N.C. Geological Society of America Abstracts with Programs, Vol. 46, No. 3.
- Coker, M., Brittain, A., Cogburn, C., Williams, M.**, Tanner, B., 2014, Paleoenvironmental Study of Late Holocene, Organic-Rich Deposits Recovered from Pink Beds, A Southern Appalachian Wetland in Western NC, National Conference for Undergraduate Research, University of Kentucky.
- Wilson, K.R., Kelley, J.T., Tanner, B.R., Belknap, D.F., 2013, Finger-printing Salt Pools in the Stratigraphic Record: Implications for Understanding Morphological Change in North-Temperate Salt Marsh Systems, Geological Society of America Abstracts with Programs, Vol. 45, No. 2
- Wilson, K.R., Kelley, J.T., Tanner, B.R., Belknap, D.F., 2013, Maine's Dynamic Salt Marshes: Are Re-Interpretations of North-Temperate Salt Marsh Stratigraphic Records Warranted?, Penrose Conference, Geological Society of America, Galveston, TX.
- Tanner, B.R., 2012, Organic Biomarker Compounds Record Holocene Environmental Change at Panthertown Bog, N.C., Molecules in the Mountains Conference, Western Carolina University and North Carolina Biotechnology Center. (Invited)
- Tanner, B., **Zimmerman, T., Tahquette, D.**, 2012. Monitoring of Coastal Wetland Sedimentation and Plant Community Change Under a Regime of Sea Level Rise at ACE Basin NERR, S.C. Geological Society of America Abstracts with Programs, Vol. 44, No. 4, p. 77
- Tanner, B., **Parris, J., Reinke, R.**, and **Moser, E.**, 2011, Paleoenvironmental Record at Panthertown Bog (NC), An Early Holocene Peat-Accumulating Wetland in the Southern Appalachians. Geological Society of America Abstracts with Programs Vol. 43, No. 5, p. 618.
- Hiatt, C.**, Kinner, D., Lord, M., Tanner, B., Campbell, T. and **Padgett, M.**, 2011, Hydrogeologic Properties of Different Geomorphic Settings in a Small Disturbed Watershed, Western North Carolina. Geological Society of America Abstracts with Programs Vol. 43, No. 5, p. 116
- Griffith, A., Kinner, D., Tanner, B., and Young, 2010, Restoration of *Arundinaria Gigantea* (Rivercane) to the Oconaluftee River Floodplain, Cherokee, NC. Geological Society of America Abstracts with Programs Vol. 42, No. 5.
- Tanner, B.R., Kinner, D.A., Barbour, S., and Young, R., 2010, Radiocarbon Dates Reveal a High Elevation, Early Holocene Wetland Deposit in the Southern Appalachian Mountains, Geological Society of America Abstracts with Programs, Vol. 42, No. 1, p. 188
- Sorrell, L.M.** and Tanner, B.R., 2010, Carbon Sequestration Rates of Different Marsh Zones in the Schoodic Marsh of Acadia National Park, Maine, Geological Society of America Abstracts with Programs, Vol. 42, No.1, p. 141
- Wilson, K.R., Kelley, J.T., Belknap, D.F., and Tanner, B.R., 2009, Maine Salt Pools: Dynamic Agents of Coastal Change, Coastal and Estuarine Research Federation 20th Biennial Conference.
- Wilson, K.R., Kelley, J.T., Belknap, D.F. Tanner, B.R., 2009, Salt Pools in the Stratigraphic Record and Their Role in Governing Surficial Change in Five Maine Salt Marshes: Geological Society of America Abstracts with Programs v. 41, no. 3, p. 18.
- Allen, E.S.**, Tanner, B.R., Wilson, K.R., and Kelley, J.T., 2008, Finding a Fingerprint for Salt Pool Deposits in Maine Salt Marshes, Geological Society of America Abstracts with Programs v. 40, no. 4, p. 57.
- Tanner, B.R., Griffith, A.D., Kinner, D.A., and Young, R.S., 2008, Presence of *Arundinaria gigantea* on Non-hydric Soils Suggests Improper Classification of the Species, Eos Transactions, Fall Meeting Supplement v. 89, no. 53, abstract B43A-0428.
- Tanner, B.R., Sanger, D., Yates, M., and Sandweiss, D., 2008, Lithic Analysis of Chipped Stone Artifacts Recovered from Quebrada Jaguay, Peru, Society for American Archaeology Annual Meeting (Invited).

- Wilson, K.R., Kelley, J.T., Belknap, D.F., **Allen E.S.**, and Tanner, B.R., 2008, Identifying a Unique, Stratigraphic Signature for Maine's Salt Pool Environments, New England Estuarine Research Society Fall Meeting.
- Tanner, B.R., 2007, Determination of Carbon Sources to Salt Marsh Sediments Using n-Alkane Distributions and $\delta^{13}\text{C}$ Analysis, Baruch Marine Field Laboratory, University of South Carolina. (Invited)
- Griffith, A.**, Kinner, D., **McDowell, K.**, Tanner, B., and Young, R., 2007, Soil characterization for rivercane (*Arundinaria Gigantea* (Walter Muhl.)) restoration in Western North Carolina [abs]: GSA Abstracts with Programs, v. 39, no. 6, p. 243.
- Tanner, B.R., Perfect, E., and Kelley, J.T., 2007, Fractal Analysis of Maine's Formerly Glaciated Shoreline Tests Established Coastal Classification Scheme, Geological Society of America Abstracts with Programs v. 39, no. 1, p. 103.
- McDowell, K.L.**, **Griffith, A.D.**, Kinner, D.A., Tanner, B.R., and Young, R.S., 2007, Restoration of Rivercane (*Arundinaria Gigantea*) in Western NC: A Step Towards the Identification of Ideal Environmental Conditions, Geological Society of America Abstracts with Programs v. 39, no. 2, p. 29.
- Tanner, B.R., Uhle, M.E., and Mora, C.I., 2006, Compound Specific Isotopic Analysis of n-Alkanes and Distributions of Foraminifera from Four Maine, USA Salt Marsh Sites Record Marsh Responses to Frequent Late Holocene Disturbance, GSA Abstracts with Programs v. 38, no. 3, p. 26.
- Tanner, B.R., Uhle, M.E., Kelley, J.T., and Mora, C.I., 2005, Comparison of Bulk and Compound-Specific $\delta^{13}\text{C}$ Analyses and Determination of Carbon Sources to Salt Marsh Sediments Using n-Alkane Distributions (Maine, USA), Eos Transactions, Fall Meeting Supplement v. 86, no. 52, abstract B11A-1021.
- Tanner, B.R., and Uhle, M.E., 2004, Compound Specific Isotopic Analysis Provides Paleoenvironmental Information about a Machiasport, Maine Salt Marsh, Gordon Research Conference on Organic Geochemistry, Plymouth, NH.
- Tanner, B.R. and Uhle, M.E., 2003, C3/C4 Variations in Higher Salt Marsh Sediments: An Application of Compound Specific Isotopic Analysis of Lipid Biomarkers to Late Holocene Paleoclimatic Research, GSA Abstracts with Programs v. 35, no. 6, p. 437.
- Sandweiss, D.H., Richardson, J. III, Andrus, F., Houk, S., Piperno, D., Reitz, E., and Tanner, B., 2003, Update on Siches, and Early to Middle Holocene Fishing Site in Far Northern Peru, 22nd Northeast Conference on Andean Archaeology and Ethnohistory, Harvard University.
- Tanner, B.R., 2001, Lithic Analysis and Sourcing Survey at Quebrada Jaguay, Peru, 9th Annual J. Louis Agassiz Symposium, University of Maine.
- Tanner, B., Sanger, D., Yates, M., and Sandweiss, D., 2001, Preliminary Results from a Lithic Analysis at Quebrada Jaguay, a Maritime-Based Paleoindian Site, 19th Northeast Conference on Andean Archaeology and Ethnohistory, Dartmouth College.
- Sandweiss, D.H., Tanner, B., Sanger, D., and Piperno, D., 2000, Paleoindian-age Domestic Structure at a Peruvian Fishing Site, Society of American Archaeology Conference, Philadelphia, PA.
- Tanner, B.R., Sandweiss, D.H., 2000, Lithic Analysis at Quebrada Jaguay: Research Scope and Preliminary Analysis, 8th Annual J. Louis Agassiz Symposium, University of Maine.

RESEARCH GRANTS and CONTRACTS – Principle Investigator, CO-PI, or Collaborator

Protect Florida Springs Grant, Fish & Wildlife Foundation of Florida, 2018-2019, funded
 "Do the sediments of St. Johns River springs contain higher organic content than springs on other river systems?", \$18,377

-Work, K. (PI), Tanner, B. (Co-PI), Evans, J. (Co-PI)

Stetson Summer Grant, 2018, funded

"Sediment archive of seagrass dynamics in Mosquito and Indian River Lagoons", \$2500

-Tanner, B.R. (PI)

Stetson Willa Dean Lowery Fund, 2017-2018, funded

"Determination of Past Shifts of the Salt Marsh/Mangrove Ecotone", \$8000

-Tanner, B.R. (PI), Evans, J. (PI)

Stetson Summer Grant, 2017, funded

"Paleoenvironmental Record for Isolated Wetlands in the Ocala National Forest", \$2500
Tanner, B.R. (PI)

WCU Provost Internal Funding Support Grant, 2015-2016, funded

"Isolated Wetlands - a WCU, USFS Collaboration", \$10,000
-Styers, D., Tanner, B., principal investigators

NSF MRI, 2014, funded

"Acquisition of a gas chromatograph and isotope ratio mass spectrometer interface at UNCW", \$171,151
-Lane, C. (UNCW), principal investigator
-B. Tanner was a collaborator on this proposal

WCU Faculty Research and Creative Activities Award, WCU, 2013-2014, funded

"Paleoenvironmental Analysis of Local Wetlands", \$5000
-B. Tanner was the principle investigator on this grant

NOAA Grant, WCU, 2011-2012, funded

"Monitoring of coastal wetland plant community change under a regime of sea level rise: Implications for marsh migration and carbon sequestration", \$29,500
-B. Tanner was the principle investigator on this grant

NOAA Grant, WCU, 2011-2012, funded

"Groundwater recharge in different landscape elements, western North Carolina", \$43,800
-B. Tanner was an official collaborator on this grant

Cherokee Preservation Foundation, 2010-2011, funded

"Rivercane Restoration Project", \$12,000
-B. Tanner was a collaborator and partner on this grant and was in charge (w/Dave Kinner) of money allocated to WCU through a contract from this grant.

Schoodic Research Fellowship, Acadia National Park, 2009, funded

"Determination of Carbon Sequestration Rates in Salt and Freshwater Marshes in the Schoodic Section of Acadia National Park", \$5,000
-B. Tanner was the principle investigator on this grant

Cherokee Preservation Foundation, 2007-2008, funded

"Western Carolina University Rivercane Project", \$50,000
-B. Tanner was a co-PI on this grant

Maine Sea Grant, 2007-2008, funded

"Use of Biomarkers to Determine Life Cycles of Maine Salt Marsh Pannes", \$3,000
-B. Tanner was the principle investigator on this grant

Baruch Marine Field Laboratory, 2007, funded

Visiting Scientist Award (Salt Marsh Carbon Sequestration Study), \$3,000
-B. Tanner was the principle investigator on this grant

WCU Faculty Research Grant, 2006-2007, funded

"Oxygen Isotope Record of Hurricane Activity Recorded in Tree Rings of Longleaf Pine", \$12,500 (graduate student support)
-B. Tanner was the principle investigator on this grant

Cherokee Preservation Foundation, 2006-2007, funded

"Western Carolina University Rivercane Project", \$101,000
-B. Tanner was a co-PI on this grant

Sigma Xi Grants-in-Aid of Research, 2004, funded
"Maine Salt Marsh Project", \$752

UT Department of Earth and Planetary Sciences, 2004, funded
Discretionary Funds Award Supporting Maine Salt Marsh Research, \$650

Geological Society of America, 2004, funded
"Maine Salt Marsh Project", \$2,000

Geological Society of America, 2003, funded
"Maine Salt Marsh Project", \$1,800

University of Tennessee, 2002, funded
Scholarly Activity and Research Incentive Fund (SARIF), \$3,000

HONORS, AWARDS, SPECIAL APPOINTMENTS

Focus Area Leader for Climate Adaptation, IWER, Stetson	2018-Current
Research Fellow, Program for the Study of Developed Shorelines, WCU	2007-Current
Scholarly Development Assignment Program, WCU	Fall, 2015
Faculty Associate, University of Maine	Fall, 2015
Provost Fellow for Academic Community Engagement, WCU	2014-2015
Chancellor's Meritorious Award for Engaged Teaching, WCU	2007
Outstanding Achievement in Interdisciplinary Research, University of Tennessee	2005
Gene Tipton Graduate Mineralogy Award, Knoxville Gem & Mineral Society	2004
Highest Graduate Student GPA, departmental award, University of Tennessee	2003

PROFESSIONAL ORGANIZATIONS

American Quaternary Association	Current
Southeastern Geological Society	Current

INTERNAL SERVICE

Stetson

Assessment Coordinator for Environmental Science and Studies	2018-Current
Stetson Institute for Water and Environmental Resilience Steering Committee	2018-Current
Stetson Biology Search Committee, Outside Member	2018-Current
Temporary Chair of Department of Environmental Science and Studies	2018 (Part of Summer)
Stetson Environmental Science and Studies Visiting Prof. Search Committee	2018
Gillespie Museum Faculty Advisory Committee	2017-Current
Stetson Open House Faculty Panelist	2018
Stetson Showcase Judge	2017, 2018
Stetson New Faculty Orientation Session Panelist	2017
Stetson Environmental Science and Studies Faculty Sponsor for Stetson Sustainability Fellows Film Event (Climate and Malaysian Youth)	2017
Stetson Non-Tenured Faculty Focus Group on Online Learning	2017
Gillespie Museum Science Saturday Volunteer	2016-2018

Western Carolina University

WCU Representative on UNC Engagement Council (UNC System)	2014-2015
Marine Science Undergraduate Program Committee (UNC System)	2013-2014
Provost Advisory Board for Academic Community Engagement (Univ. Level)	2014-2015
Service Learning Course Designation Sub-committee (Univ. Level)	2015
WCU Community Scholarship Incubator Retreat Planning Committee (Univ. Level)	2014-2015
WCU Community Scholarship Incubator Retreat Session Leader	2015

Faculty Scholarship Task Force (Univ. Level)	2010-2011
Faculty Scholarship Advisory Council (Univ. Level)	2010-2011
Chair of Committee	2010-2011
University Research Council	2009-2010
University Scholar Award Sub-Committee	2010, 2011
Environmental Sciences Executive Committee (A&S)	2011-2016
College of Arts & Sciences Collegial Review Committee	2014-2016
College of Arts & Sciences Strategic Planning Committee	2013
College of Arts & Sciences Research Tech. Search Committee	2011
College of Arts & Sciences Safety Committee	2007-2014
College of Arts & Sciences Technology Committee	2007-2009
Geosciences & NRCM AFE Committee	2007-2008, 2012-2015
Chair of Committee	2012, 2015
Geosciences & NRCM CRD Committee	2011-2015
Geosciences & NRCM Student Recruitment and Retention Committee	2011-2012
Geosciences & NRCM Faculty Affairs Committee	2007-2013, 2016
Chair of Committee	2009, 2010, 2013
Geosciences & NRCM Resources Committee	2011-2012, 2013-2014
Geosciences & NRCM Business and Space Affairs Committee	2006/2007
Departmental Liaison for Career Services	2006-2010
Departmental Liaison for State Employees Combined Campaign	2006-2007
Geosciences QEP Point Person	2009-2016
Geosciences Search Committee for full time faculty hire	2005, 2006, 2010, 2013,
	2014
Chair of Committee	2013
Chair of Geoscience Search Committee for adjunct hire	2015

EXTERNAL SERVICE

Regional Science Fair Judge	2008, 2012, 2015,
	2017, 2018
Environmental Science Outreach at Ormond Environmental Discovery Center	2018
Dept. of Earth and Planetary Sciences Alumni Advisory Board, Univ. of TN	2015-2016
Geological Society of America, SE Section theme session convener	2006, 2015
Geological Society of America, SE section student poster contest judge	2015, 2016
Pathways to Achieving Civic Engagement Conference Proposal Selection Committee	2014
Student Volunteer Coordinator for SE Geological Society of America Meeting, Asheville	2011-2012
Presentations to local elementary and middle school classes	2006, 2007, 2009,
	2010, 2013, 2016
Science Fair Judge, Cullowhee Valley School	2009, 2010
Geology presentation to Boy Scout regional meeting	2006

REVIEWER

Quaternary Research	2015, 2016
Wetlands	2011, 2016
Journal of Environmental Management	2016
American Chemical Society, PRF Grant Program	2016
Geomorphology	2015
Book Chapter Review (Natural Disturbances and Range of Variation: Type, Frequency, Severity, and Post-disturbance Structure in Central Hardwood Forests)	2014
Organic Geochemistry	2013
Southeastern Geology	2009

Environmental Pollution	2008
Latin American Journal of Sedimentology and Basin Analysis	2008
National Science Foundation CAREER Program	2006, 2007
Antarctic Science	2007
Journal of Coastal Research	2006