

Justin J. Hartnett, Ph.D.

Email: justin.hartnett@oneonta.edu | Phone: 607-591-9341
112 Bury Drive, Syracuse, NY 13209

EDUCATION

Syracuse University, Syracuse, NY

Ph.D. Geography, successfully defended dissertation on August 20, 2019
Dissertation: "Snowstorms in Upstate New York: synoptics, spatial modeling and temporal variability."
Committee: Susan W.S. Millar (Advisor), Peng Gao, Jane Read, Jacob Bendix, Adam W. Burnett, and Melissa L. Chipman

University of South Florida, Tampa, FL

M.S. Environmental Science and Policy, successfully defended thesis on March 18, 2013
Thesis: "Spatial and temporal trends of snowfall in Central New York – a lake-effect dominated region."
Committee: Jennifer M. Collins (Advisor), Martin A. Baxter, and Don P. Chambers

Coastal Carolina University, Conway, SC

B.S. Marine Science with a minor in Physics, May 2011
Summa Cum Laude, Honors College

ACADEMIC EMPLOYMENT

The State University of New York College at Oneonta, Assistant Professor, Department of Geography and Environmental Sustainability (Fall 2021 – Present)

Biogeography of a Diverse Planet (GEOG 3004)	Spring 2023
Cotaught with Dr. Ashley Allen	
Coastal Zone Management (GEOG 2032)	Spring 2023
Environmental Monitoring (ENSS 3050)	Fall 2021, Fall 2022
Physical Geography of the Global Environment (GEOG 3001)	Fall 2021 – Fall 2022
Tourism: Geography & Panning (GEOG 3228)	Fall 2022
Cotaught with Dr. Ashley Allen	
Environmental Applications of GIS (GEOG 244)	Spring 2022
Geographic Communication (GEOG 194)	Spring 2022
Introductory Geography (GEOG 1000)	Fall 2021 – Spring 2023
Independent Study (ENVS 399) – Shorebirds of NYS	Fall 2021
Independent Study (ENVS 399) – Monitoring Local Environments	Fall 2021

The State University of New York College at Oneonta, Lecturer, Department of Geography and Environmental Sustainability (Fall 2017 – Spring 2021)

Regional Climatology (GEOG 202)	Spring 2020 – Spring 2021
Environmental Issues (ENVS 201/GEOG 206)	Spring 2020 – Spring 2021
Introductory Geography (GEOG 100)	Fall 2017 – Spring 2021
Physical Geography of the Global Environment (GEOG 201)	Fall 2017 – Fall 2020
New Orleans Disaster Relief (GEOG 397)	May 2019
Coastal Zone Management (GEOG 232)	Spring 2018 & 2019
Environmental Applications of GIS (GEOG 244)	Spring 2019
Puerto Rico Disaster Relief (GEOG 397)	July 2018
Geography of a Changing Climate (GEOG 304)	Fall 2017

Syracuse University, Adjunct Professor and Teaching Assistant, Geography Department (Fall 2013 – Spring 2017)

Global Environmental Change (GEO 215)	Fall 2016
The Natural Environment (GEO 155)	Summer 2016
The Natural Environment (GEO 155)	Fall 2014 – Spring 2016
Instructor of record: Jacob Bendix, Ph.D.	
Global Environmental Change (GEO 215)	Fall 2013
Instructor of record: Jane Read, Ph.D.	

Syracuse University, Research Assistant, Geography Department (Spring 2014)
Supervisor: Peng Gao, Ph.D.

University of South Florida, Teaching Assistant, Geography, Environment, and Policy Department (Fall 2011 – Summer 2013)
Weather Studies (MET 4010) Fall 2011 – Summer 2013
Instructor of record: Jennifer Collins, Ph.D.

REFEREED PUBLICATIONS

- 2021 Hartnett, J.J.: The seasonal snowfall contributions of different snowstorm types in central New York state. *Frontiers of Water* special edition on the Hydroclimatology of the Great Lakes Region of North America, **3**, 1-13.
- 2020 Hartnett, J.J.: A classification scheme for identifying snowstorms affecting central New York State. *International Journal of Climatology*, **14** (3), 1712-1730.
- 2018 Bendix, J., and J.J. Hartnett: Asynchronous lightning and Santa Ana winds highlight human role in southern California fire regimes. *Environmental Research Letters*, **13** (7), 074024. Showcased by Joint Fire Science Program Exchange Network to highlight fire research in California.
- 2016 Gao, P., and J.J. Hartnett: Exploring the causes of an extreme flood event in Central New York, USA. *Physical Geography*, **37**, 38-55.
- 2014 Hartnett, J.J., J.M. Collins, M.A. Baxter, & D.P. Chambers: Spatiotemporal snowfall trends in Central New York. *Journal of Applied Meteorology and Climatology*, **53**, 2685-2697.

MANUSCRIPTS IN PREPARATION

- Collins, J.M., J.J. Hartnett, L. Maas Cortes, E. Dunn, and R. Jones: Evacuation and recovery: implication of compound hazards on the U.S. territories. Natural hazard's center's extending public health disaster research and community engagement in the U.S. territories. To be submitted to *Weather, Climate, and Society*.
- Burnett, A., A. Samel, J.J. Hartnett, and C. Karmosky: Development of a lake snow intensity index for the Tug Hill Plateau of New York States. To be submitted to the *Journal of Climate*.
- Hartnett, J.J.: Rethinking seasonal snowfall trends in the eastern Great Lakes basin. To be submitted to the *Journal of Climate*.
- Hartnett, J.J.: Synoptic conditions associated with different snowstorms in central New York State. To be submitted to the *Journal of Applied Meteorology and Climatology*.

NON-REFEREED PUBLICATIONS

- 2014 Hartnett, J.J., J.M. Collins, M.A. Baxter, & D.P. Chambers: The spatial and temporal variability of snowfall trends in Central New York. *71st Eastern Snow Conference Proceedings*. Appalachian State University, Boone, NC.
- 2013 Hartnett, J.J. & J.M. Collins: WCFLAMS Annual Banquet and Presentation on “Hurricane Probability in Tampa.” American Meteorological Society, National Chapter Newsletter, April.
- 2013 Hartnett, J.J., K. Roberts, & J.M. Collins: Towards building and implementing a Regional Coastal Observing System (RCOOS) for the southeast region of the U.S. American Meteorological Society, National Chapter News Letter, March.
- 2013 Hartnett, J.J. & J.M. Collins: Panel of Broadcasters. American Meteorological Society, National Chapter News Letter, February.
- 2012 Collins, J.M., J.J. Hartnett, & C. Gauthier: Web quizzing (15 chapters) for *Meteorology Today* by C. Donald Ahrens. Cengage Learning.
- 2012 Roache, D.R., J.J. Hartnett, & J.M. Collins: Communicating storm surge risk presentation by Dr. Betty Morrows. American Meteorological Society, National Chapter News Letter, February.

ACADEMIC LECTURES & PRESENTATIONS

Conference Presentations

Paper Presentations

- Public Health Research Award Program: Extending Public Health Disaster Research and Community Engagement in the U.S. Territories Internal Meeting. May 2023, Virtual.
Collins, J., L. Maas Cortes, E. Dunn, R. Jones, J. J. Hartnett (2023): Evacuation and Recovery: Implication of Compound Hazards on the U.S. Territories. Natural Hazard’s Center’s Extending Public Health Disaster Research and Community Engagement in the U.S. Territories.
- American Association of Geographers 2023 Annual Meeting, Denver, CO
Hartnett, J.J.: Rethinking seasonal snowfall trends in the eastern Great Lakes Basin.
- American Association of Geographers 2020 Annual Meeting, Denver, CO (Virtual Conference)
Hartnett, J.J.: Modeling seasonal snowfall: an attempt to improve seasonal snowfall predictions in Central New York.
- American Association of Geographers 2018 Annual Meeting, New Orleans, LA
Hartnett, J.J.: Variations in snowfall distributions due to upper-atmospheric air patterns in Upstate New York.
- American Association of Geographers 2017 Annual Meeting, Boston, MA
Hartnett, J.J.: The Contribution of Upper-Level Flow Regimes to Seasonal Snowfall Totals in Upstate New York.
- American Association of Geographers 2017 Annual Meeting, Boston, MA
Bendix, J. and J.J. Hartnett: Santa Ana Winds and Lightning: The Role of Timing in Southern California Wildfires.
- American Meteorological Society’s 2016 Annual Meeting – 22nd Applied Climatology Conference, New Orleans, LA
Hartnett, J.J.: The Contribution of Upper-Level Flow Regimes to Seasonal Snowfall Totals in Upstate New York.

American Association of Geographers 2014 Annual Meeting, Tampa, FL
Hartnett, J.J.: Spatiotemporal Snowfall Trends in Central New York.
American Association of Geographers 2014 Annual Meeting, Tampa, FL
Millar, S. and J.J. Hartnett: Updating the Permafrost Realm at the Time of the Last Glacial Maximum (LGM) in North America.

Poster Presentations

American Geophysical Union Fall 2022 Meeting, Chicago, IL
Art Samel, Adam Burnett, Justin Hartnett, Chris Karmosky
“Diagnostic model development to assess lake effect snow on the Tug Hill Plateau of New York.”

American Association of Geographer 2022 Annual Meeting, New York City, NY
Art Samel, Adam Burnett, Justin Hartnett, Chris Karmosky

American Association of Geographers 2021 Annual Meeting, Seattle, WA
Art Samel, Adam Burnett, Justin Hartnett, Chris Karmosky
“Development of a lake snow intensity index: a case study”

American Association of Geographers 2021 Annual Meeting, Seattle, WA
Adam Burnett, Art Samel, Justin Hartnett, Chris Karmosky
“Oxygen and hydrogen isotopes in winter precipitation and their relationship with regional meteorological conditions and storm type in central New York State.”

American Geophysical Union Fall 2020 Meeting, San Francisco, CA
Art Samel, Adam Burnett, Justin Hartnett, Chris Karmosky
“Development of a lake snow intensity index for the Tug Hill Plateau of New York State.”

American Association of Geographers 2019 Annual Meeting, Washington D.C.
“Exploring the effects of different snowstorm types on school closings in central New York State”

American Geophysical Union Annual Conference 2016, San Francisco, CA
Coauthor with Jacob Bendix on “Asynchronous Timing of Lightning Strikes and Santa Ana Winds in Southern California.”

National Center for Atmospheric Research’s 2015 Triannual Unidata Workshop, Boulder, CO
“The Contribution of Lake Effect Snowfall to Seasonal Snowfall Totals in Central New York.”

American Meteorological Society’s Annual Conference on Broadcast Meteorology/Conference on Weather Warnings and Communication 2015, Raleigh, NC
“Communicating Snowfall Changes within Central New York.”

Eastern Snow Conference 2014, Appalachian State University, Boone, NC
“Spatiotemporal Snowfall Trends of Central New York.”

Invited Lectures & Panels

Apr 2023 “Careers in Marine Science.” ENSS 4098 – Environmental Sustainability Seminar
Mar 2022 “Statistical Methods and Techniques for Research.” ENVS 390 – Environmental Sustainability Seminar
Nov 2021 “Coastal Laws and Regulations.” GEOG 232 – Coastal Zone Management
Nov 2021 “Coastal Erosion and Armoring Techniques.” GEOG 232 – Coastal Zone Management
Oct 2021 “Sustainable Development Goals of the United Nations.” Sustainable Development Goal Awareness Committee.
May 2021 “Pandemic teaching: lessons learned and how to move forward.” Panelist for SUNY Oneonta’s Teaching, Learning & Technology Center
Oct 2019 “Glaciers.” GEOG 100 – Introduction to Geography, SUNY Oneonta.
Apr 2017 “Plate Tectonics.” GEO 155 – the Natural Environment Lecture, Syracuse University.

- Dec 2016 "Hydrology: Modelling Water Flow." GEO 155 – the Natural Environment Lecture, Syracuse University.
- Nov 2015 "Hydrology: The Water Cycle." GEO 155 – the Natural Environment Lecture, Syracuse University.
- Dec 2015 "Plate Tectonics." GEO 155 – the Natural Environment Lecture, Syracuse University.
- Dec 2014 "Plate Tectonics." GEO 155 – the Natural Environment Lecture, Syracuse University.
- Jun 2014 "Spatiotemporal Snowfall Trends in Central New York." Eastern Snow Conference, Appalachian State University, Boone, NC.
- Apr 2013 "The Development and Implementation of Research Methods in a Climate Based Study." Weather, Climate, and Society Course, University of South Florida.
- Jul 2012 "An Introduction to Integrated Data Viewer (IDV) Through an Examination of Recent Atlantic Hurricanes." National Center for Atmospheric Research's Triannual Unidata Workshop, Boulder, CO.
- Oct 2011 West Central Florida American Meteorological Society's Teach for Teachers Workshop, Tampa, FL
 "The Deadly Outbreak – Spring 2011 Tornado Season."
 "Enjoy Sunny Florida – the Formation of Snow in the Great Lakes Basin"

AWARDS & FELLOWSHIPS

- 2022 SUNY Oneonta Faculty Development Grant (\$1700)
- 2022 SUNY Oneonta Dean's Award for Applied Learning Course Preparation (\$6180)
- 2022 Student Research/Creative Activity (SRCA) Grant Faculty Advisor for James Reardon (\$1500)
 Project title: The spatial variations and snowfall properties for moderate and heavy snowstorms in Oneonta, New York
- 2021 SUNY Oneonta Faculty Research & Creative Activity Grant (\$1865)
 Project title: Assessing the attitudes of different stakeholders of how to operate during winter weather events on a college campus.
- 2021 SUNY Oneonta Faculty Development Grant (\$1150)
- 2020 SUNY Oneonta Outstanding Lecturer Award (\$500)
- 2019 SUNY Oneonta Faculty Development Grant (\$750)
- 2019 Graduate Student Organization Travel Award, Syracuse University (\$300)
- 2018 SUNY Oneonta Discretionary Lump Sum Payment Award (\$1500)
- 2018 SUNY Oneonta Faculty Development Grant (\$1125)
- 2018 Roscoe-Martin Graduate Award, Maxwell School of Syracuse University (\$1200)
- 2018 Geography Department Student Travel Award, Syracuse University (\$500)
- 2017 Graduate Student Organization Travel Award, Syracuse University (\$300)
- 2017 Geography Department Summer Research Award, Syracuse University (\$1500)
- 2016 Best Student Presentation, 22nd Applied Climatology Conference, 2nd Place (\$50)
- 2016 Maxwell Dean's Summer Research Award, Syracuse University (\$2000)
- 2016 Graduate Student Organization Travel Award, Syracuse University (\$550)
- 2015 Roscoe-Martin Graduate Award, Maxwell School of Syracuse University (\$1200)
- 2015 Student Travel Award, University Corporation for Atmospheric Research's Unidata Workshop
- 2015 Maxwell Dean's Summer Research Award, Syracuse University (\$2000)
- 2014 Weisnet Medal, best student paper at the Eastern Snow Conference (\$750)
- 2014 Graduate Student Organization Travel Award, Syracuse University (\$400)
- 2014 Maxwell Dean's Summer Research Award, Maxwell School of Syracuse University (\$1000)
- 2013 Roscoe-Martin Graduate Award, Maxwell School of Syracuse University (\$1100)

- 2013 Tharpe Fellowship, Geography, Environment, and Planning Department at the University of South Florida (\$400)
- 2012 Dewey Stower's Merit Award, West Central Florida American Meteorological Society
- 2012 University Corporation for Atmospheric Research Presentation Award
- 2011 Summa Cum Laude, Coastal Carolina University
- 2011 Honors College Student Excellence Award, Coastal Carolina University
- 2010 Honors College Student Excellence Award, Coastal Carolina University
- 2009 Omicron Delta Kappa Honors Society, Coastal Carolina University
- 2009 Golden Key Honors Society, Coastal Carolina University

PROFESSIONAL SERVICE

- NSF GEO/AGS Climate and Large-Scale Dynamics (CLD) Program
Grant Submission Reviewer Mar 2023
- Journal Article Reviewer
Natural Hazards Oct 2022
Journal of Applied Meteorology and Climatology Feb 2023
Jul 2022
Sep 2021
Jun 2021
Jan 2019
Aug 2018
Middle States Geographer Feb 2021
Climate Change Dec 2016
Physical Geography Jun 2016
Journal of Hydrometeorology May 2015
- Academic Minute Fall 2022
Podcast highlighting my snowfall research in Upstate New York
- Alumni Spotlight Interview Aug 2022
Honors College at Coastal Carolina University
- International Quantitative Remote Sensing Summer School Jul 2022
University of Maryland (Online)
- Recreational UAS Safety Test (TRUST) Certification Aug 2022
- Unmanned Aircraft General – Small license for drone coursework through the FAA Fall 2022
Scheduled for the license test
- Interview with the Daily Orange, Syracuse University's Newspaper Oct 2019
Interviewed about climate change impacts in Central New York
- Board of Directors for Truxton Alumni and Community Supporters Oct 2015 – Jun 2021
Non-for-profit organization designed to maintain, run, and develop a community organization to support residents of the Town of Truxton. Duties included developing programs, making financial decisions, and enhancing community engagement.
- Geofest at Syracuse University Sep 2018
Helped organize a group of undergraduate students from SUNY Oneonta to attend an information fair on graduate school in geography at Syracuse University

UNIVERSITY SERVICE

- Geographic Information Science Geographer Hiring Committee Spring 2023
Department of Geography and Environmental Sustainability, SUNY Oneonta
- Safe Space Facilitator Sep 2022 – Present
Received training and certification as a facilitator for SUNY Oneonta's Safe Space initiative that builds awareness of issues affecting LGBTQIA+ people.

Curriculum Committee	Fall 2022 – Present
Department of Geography and Environmental Sustainability, SUNY Oneonta	
Environmental Geographer Hiring Committee	Spring 2022
Department of Geography and Environmental Sustainability, SUNY Oneonta	
Ecologist Hiring Committee	Spring 2022
Department of Biology, SUNY Oneonta	
Physical Science Responsible Conduct of Research Course	Jan 2022
SUNY Oneonta Blackboard Training	Nov 2021
Level I and Level II Training for Online Courses	
Environmental Sustainability Advisory Committee	Fall 2021 - Present
Tasked with coordinating the sustainability major at SUNY Oneonta and promoting sustainability throughout the campus and community.	
Faculty Advisor for FORCES	Spring 2022 - Present
Overview the Friends of Recreation, Conservation, and Environmental Stewardship (FORCES) club and aid in event planning at New York State Parks	
Faculty Advisor for the Environmental Science Club	Aug 2021 – Present
Overview the ENVS club and aid in event planning	
Faculty Advisor Environmental Activism Club at SUNY Oneonta	Aug 2021 – Present
Overview the ENVS activism club and aid in event planning	
Alternate representative for The College Senate	Fall 2021 – Spring 2022
Department of GEOG & ENSS, SUNY Oneonta	
Climate Change Certificate Committee	Nov 2017 – Present
SUNY Oneonta	
Aided in the development of a Climate Change Certificate in the SUNY Oneonta curriculum.	
Faculty Advisor for the Geography Club, SUNY Oneonta	Aug 2019 – Fall 2021
Overview the Geography Club and aid in event planning	
SUNY Oneonta President’s Conversation on Diversity with Dr. Peggy McIntosh	Apr 2018
Workshop in diversity, understanding white privilege, and how to be more mindful of unintentional biases in the classroom.	

STUDENT ORIENTED PROFESSIONAL SERVICE

2023	Independent study (3 credits) faculty advisor for Liam Cunningham, Mitchell Karas, and Carlotta Batchelder (GEOG 4099 – Unmanned Aerial Vehicles).
2023	Faculty advisor for students in the Department of Geography and Environmental Sustainability Spring 2023: 15 students Fall 2022: 10 students Fall 2021 – Spring 2022: 2 students
2022	Independent study (3 credits) faculty advisor for Emma Gottung (ENVS 399 – NYS Clam Distribution)
2021	Faculty advisor for the senior project of James Reardon (GEOG and ENSS Department)
2021	Independent study faculty advisor (3 credits) for Katie Claps (ENVS 399 – Monitoring Local ENVS) and Chloe Dymek (ENVS 399 – Shorebirds in NY)
2020	Independent study (3 credits) faculty advisor for Ian Devlin (GEOG 399 – Snowfall in Oneonta)
2019	Faculty advisor for students in the Department of Geography & Environmental Sustainability. No direct advisees, but helped lead a student advisement session.
2019	Mentor for an undergraduate semester project. Students: Ian Devlin, Nick Lindovski, Ema Serra, and Louis Hellers. Affiliation: Department of Geography and Environmental Sustainability. Topic: Commonalities in school-closing snowstorms in Central New York.

2018 Mentor for an undergraduate research project. Student: Ceili Getman. Affiliation: Department of Geography and Environmental Sustainability. Topic: Sustainability food practices.

PROFESSIONAL MEMBERSHIP

2011 – Present American Meteorological Society
2013 – Present American Association of Geographers
2013 – 2016 Future Professoriate Program, Syracuse University
2011 – 2017 West Central Florida American Meteorological Society Regional Chapter
Corresponding Secretary (June 2012 – June 2013)
Recording Secretary (June 2011 – June 2012)
Member of the Organizing Committee (June 2011 – June 2013)

SOFTWARE AND HARDWARE CERTIFICATES AND KNOWLEDGE

ESRI's Geographic Information System (ArcGIS)
ArcMap, ArcPro, and ArcOnline
Unmanned Aerial Vehicles (UAVs)
Recreational UAS Safety Test (TRUST) Certification (August 2022)
The R Project for Statistical Computing (R)
IBM's Statistical Package for the Social Sciences (SPSS)
GRLevel 3 & GR2Analyst
Scilab Enterprise's *Scilab*
Unidata's Integrated Data Viewer (IDV)

RESEARCH & TEACHING INTERESTS

Climatology & Meteorology
Climatology of severe and extreme weather in North America
Natural disasters – resilience and risk
Ocean/atmosphere interactions and dynamics (teleconnection patterns)
Snowstorms and snowfall
Geospatial Techniques and Analysis
Applied classical statistics
Geographic Information Sciences & Unmanned Aerial Vehicles
Geospatial statistics
Physical Oceanography
Coastal erosion
Sea level rise
Storm surge

RESEARCH EXPERIENCE & FIELD WORK

Current Collaboration with Jennifer Collins (U. of South Florida) and others on a project examining hurricane risk perception of Puerto Rican and US Virgin Island residents in the post-vaccine era of COVID-19.
Current Collaboration with Adam Burnett (Colgate U.), Art Samel (Bowling Green U.), and Chris Karmosky (SUNY Oneonta) examining the use of a classification scheme capable of predicting when extreme snowfall events will occur in the Tug Hill of New York State.
Current As the instructor for Environmental Monitoring (ENVS 250) I am trained in using equipment for environmental monitoring. This includes meteorological instruments,

- hydrological instruments and titrations, soil instruments, trail cameras, and drones and remote sensing footage.
- 2021 Standardization of “snow days” in Central New York. The objective of this research is to develop a way to standardize snow days in Upstate New York using regular school closures and snowstorms identified in my dissertation work.
- 2017 Collaboration with Jacob Bendix (Syracuse U.) analyzing the atmospheric conditions associated with the onset of California wildfires from lightning strikes during Santa Ana winds. Research published in the *Environmental Research Letters*.
- 2017 Literature review on the historical development of lake-effect snow research with Dr. Susan Millar (Syracuse U.). The purpose was to develop a comprehensive review of research papers on lake-effect snow, and to provide an overview of the main findings of past, current, and future expected trends for lake-effect snow.
- 2016 NSF submitted proposal with Jacob Bendix (Syracuse U.) and John Stella (SUNY ESF). This study examined the historical changes and projected changes to riparian fires in Southern California and the Sierra Nevada Mountains.
- 2014 Hydrological studies with Peng Gao (Syracuse U.). This research utilized the Dynamic Watershed Simulation Model to simulate the causes of an extreme (100-year event) flood in the Oneida Creek Watershed in upstate New York. Work published in *Physical Geography*.
- 2014 Field work with Susan Millar (Syracuse U.) retrieving, updating, and analyzing soil and temperature loggers throughout Central New York. The purpose of this study was to determine the importance of snow cover (extent and depth) on insulating the soil from the overlying air.
- 2011 Hurricane Evacuation Study under Jennifer Collins (U. of South Florida). This study was funded by the National Science Foundation and examined the plans and knowledge of individuals in Florida during a hurricane evacuation.
- 2011 Rip Current study collaborated with the National Weather Service, Ruskin, FL. This study examined the small- and large-scale atmospheric conditions leading up to rip current deaths throughout the United States.
- 2010 “Storm Surge Inundation from a Hurricane as Sea Level Rises” research project under Paul Gayes (Coastal Carolina U.) and Leonard Pietrafesa (North Carolina St. U.). This study observed coastal inundation expected along the North and South Carolina coastlines from tropical storms as sea levels rise.
- 2009 Paleotempestology and paleoclimatology study with Jenna Hill (Coastal Carolina U.). The purpose of this study was to use sediment cores to examine the historical climate and environment of a coastal marsh in northern South Carolina.