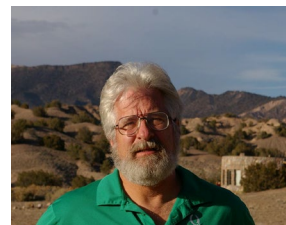


*CURRICULUM VITAE*

**Edwin M. Everham III, Ph.D.**  
Professor of Marine and Ecological Sciences

June 1, 2018



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## PROFESSIONAL INTERESTS AND GOALS

My research interest is examining the impacts of disturbance, including exotic invasions and anthropogenic activities, on the structure of ecosystems, measuring and monitoring change in and restoration of ecosystems. I am interested in the technological interface between the techniques of simulation modeling and geographical information systems and their applications toward understanding the impact of and recovery from disturbance and land use changes.

My professional goal has been a position at an academic institution where I can pursue my research interests and also continue to practice the craft of teaching and pursue the scholarship of teaching and learning. Teaching is the process of facilitating the acquisition of skills and knowledge. I find this process extremely rewarding and have developed my career where significant amounts of my time and energy can be applied to teaching and pedagogical research.

## AWARDS

FGCU Individual Faculty Service Excellence Award 2017  
Excellence in Teaching Award. 2014. Sigma Alpha Pi National Society of Leadership and Success.  
Senior Faculty Teaching Excellence Award 2012. FGCU.  
Environmental Stewardship Award for Exemplary Service. 2009. Estero Bay Agency on Bay Management.  
Co-presented to Ellen Peterson.  
Outreach Award 2006. Whitaker Center for STEM Education. FGCU.  
Team Service Award - SACS QEP Committee 2003 – 2005. FGCU.  
Brandwein Fellow 2002  
“The XX” Recognition of Excellence Inaugural Year. FGCU 1997-98

## EDUCATION

Ph.D. State University of New York College of Environmental Science and Forestry 1996  
Environmental and Forest Biology  
US DOE Graduate Fellowship for Global Change  
President of the Graduate Student Association 1990-91  
Syracuse University Teaching Fellow 1990-91  
Teaching Assistant Award 1991  
Sigma Xi The Scientific Research Society  
ESF Distinguished Teaching Assistant 1993  
Alumni Association Memorial Scholarship 1994  
Research Assistant Award 1994  
Robin Hood Oak Award - campus leadership 1994  
Maple Leaf Award - campus volunteer service  
GPA 3.92  
B.S. Michigan Technological University 1980 *cum laude*  
Major: Biological Science, emphasis: Community Ecology  
Minors: chemistry, general science, secondary education  
Biology Department Student Advisory Board  
Phi Sigma Biological Honor Society  
Wildlife Society (Board Member)  
GPA 3.23

## DISSERTATION

*Hurricane Disturbance and Recovery*  
*an Empirical and Simulation Study of Vegetation Dynamics in the Luquillo Experimental Forest, Puerto Rico*

My dissertation focused on the dynamics of natural disturbance in a tropical forest. There were four distinct phases to this project: 1) examining the factors that influences spatial patterns of disturbance from Hurricane Hugo, 2) quantifying rates of net production following hurricane disturbance, 3) quantifying the restructuring of the damaged canopy, and 4) using these factors (disturbance intensity, net production, and canopy structure) to predict the dynamics of the vegetative communities during recovery. These efforts are synthesized through incorporation into a spatially explicit landscape simulation model that allows examination of the impacts of changing natural disturbance regimes. <http://ruby.fgcu.edu/Courses/everham/dissertation/dissert.html>

## PROFESSIONAL POSITIONS

August, 1996 – August, 2000, August 2004 - present  
Florida Gulf Coast University, Ft. Myers, Florida

**Full Professor (from August 2009), Program Leader of Environmental Studies (1996-2008, Co- Leader, 2015-present), Program Leader of Master of Science Environmental Science (2004-2006)**

Graduate Faculty Member (2001-present), Coastal Watershed Institute Affiliate Faculty (2005-present)

Responsible for the development of an Environmental Studies concentration in an undergraduate, interdisciplinary, liberal arts degree program, and development of a Master's of Environmental Science Degree program. Aided in the development of a general education program and an upper division integrated core of study, as part of an interdisciplinary team. **Undergraduate courses:** General Ecology, Environmental Philosophies, Environmental Biology, General Biology II, Ecosystem Research and Monitoring, Issues in Ecology and the Environment, Environmental Literature, University Colloquium: A Sustainable Future, Introduction to Geographical Information Systems, Simulation and Modeling, Scientific Process, Caribbean Environments, African Environments, Conservation Strategies for a Sustainable Future, and Current Topics Seminars on: Exotic Species, Ecological Modeling, Threatened and Endangered Species, Restoration Ecology, Forest Ecology and Disturbance Ecology. **Graduate courses:** Environmental Research Methodologies, Advanced Ecology, Concepts of the Application of Sustainability. Simulation and Modeling

August, 2000 – August, 2004. Florida Gulf Coast University, Ft. Myers, Florida

**Chair of the Division of Ecological Studies and Social Sciences**

Responsible for effective team leadership for the Division, which includes degree programs in Marine Sciences, Social Sciences, and Environmental Studies. Manage the budget, prepare schedules, and evaluate 24 faculty & staff. Complete the seven-year program review for Environmental Studies. Worked with the college support staff to develop a handbook and training program for adjunct faculty.

August, 1994 - June, 1996

New College of Global Studies, Radford University, Radford, Virginia.

**Founding Faculty**

With five other founding faculty, responsible for determining the teaching philosophy, designing the curriculum, and developing courses for a new college which emphasizes a global perspective, technological competence, competence in intercultural communication, analysis and problem solving skills, and competence in interpersonal and group dynamics, and included distance education, individualized and mentored study, and study and service learning abroad. Courses: Conservation Biology, International Environmental Issues, Environmental Studies Senior Project, General Zoology, Introduction to Environmental Studies, Environmental Regulation, Tropical Field Ecology.

June 1990 - July, 1994

Terrestrial Ecology Division, University of Puerto Rico, Rio Piedras, Puerto Rico.

**Data Manager - Hurricane Recovery Plot Project**

Participated in the development of protocol for the data collection on a 16 hectare gridded study plot involving hurricane damage assessment, identification, measuring and mapping of 100,000 trees in the Luquillo Experimental Forest of Puerto Rico. Supervised the field work for grid establishment and data collection. Designed the data entry formats and procedures, and trained technicians for data entry.

January 1990 - July, 1994

SUNY College of Environmental Science and Forestry, Syracuse, New York

**Research Assistant**

Project: Simulation modeling of the Luquillo Experimental Forest. Refining a FORTRAN climate model to include rainfall and to extrapolate values down through the canopy. Development of an integrated landscape model of disturbance and recovery of the forest. Preparation of documentation for models developed for the forest.

September, 1989 - December, 1993

SUNY College of Environmental Science and Forestry, Syracuse, New York

**Teaching Assistant**

Courses: Biology of Birds and Mammals, Systems Ecology, Terrestrial Community Ecology, Biology Freshman Seminar. Participated in the Syracuse University Teacher Assistant Program in 1989 and selected as a Teaching Fellow for the 1990 program. ESF Teaching Assistant Award 1991. Member of the TA Training and Orientation Planning Committee and selected as a Distinguished Teaching Assistant, 1993. Wrote a proposal that was funded to develop computer interactive instructional materials for systems ecology.

September - December 1988

United States Peace Corps, Lilongwe, Malawi

**Education Consultant**

Duties: provided technical support for Peace Corps teachers in secondary education; visited each teaching site, observed classes, prepared and distributed reference materials, and organized an in-service training.

July - September 1988

United States Peace Corps, Lilongwe, Malawi

**Training Director** - Pre-service Training

Duties: organized and implemented the training program and supervised nine staff trainers to prepare 19 volunteers for their jobs as secondary school teachers. Administered the program, managed the budget, coordinated the program evaluation and the assessment of the trainees, and designed the training components for area studies and development.

July 1986 - July 1988

United States Peace Corps, Thyolo, Malawi

**Secondary School Science Teacher**

Duties: Science Department Chairman. Participated in Pre-service Training, In-service Training Workshops, and Training of Trainers Workshop. Facilitated an In-service Training Workshop and another Training of Trainers Workshop. Chairman of the Peace Corps Volunteer Advisory Council. Secondary projects: wrote proposal and funded dormitory renovation project, and prepared remedial teaching materials for physical science. Courses: Physical Science Forms I - IV

August 1984 - December 1985

Waukesha County Technical Institute, Waukesha, Wisconsin

**Chemistry Instructor**

Duties: Taught evening and summer course in organic and inorganic chemistry.

August 1981 - July 1986

Waukesha Public Schools, Waukesha, Wisconsin

**Science Instructor** - grades 10 -12

Courses: Chemistry I, Biology, Science Survey, Math/Science

Duties: Faculty Council Chairman. Curriculum development in chemistry, physical science, remedial math/science instruction, and computer assisted chemistry instruction. Team taught an interdisciplinary math/science course.

Taught summer course on computer literacy and BASIC programming. Staff Recognition Award 1985. Teacher's Union Representative 1982-1986.

May 1980 - August 1981

United States Forest Service, Detroit, Oregon

**Wildlife Technician**

Duties: population studies of threatened avian species (osprey and northern spotted owl) and big-game species (Roosevelt elk and black-tailed deer), rangeland carrying capacity studies, timber sale planning, and habitat improvement projects. Utilized overlay geographic information system for managing forest resources. Supervised a group of five technicians on a fish habitat improvement project.

September 1978 - May 1980

Michigan Technological University Forestry Department, Houghton, Michigan

**Assistant Instructor**

College for Kids Program. Curriculum development and instruction on wildlife, forestry, and ecology for elementary students.

June - August 1979

Michigan Technological University Biology Department, Houghton, Michigan

**Research Assistant**

Duties: ecosystem analysis of wetland habitats that contain several species of threatened small mammals (southern bog lemming, arctic shrew, and least shrew); primarily responsible for the avifauna survey and small mammal trapping.

**ECOLOGY PUBLICATIONS** - *Undergraduate co-authors in bold*

**Research Experience in:** douglas fir forest, Adirondacks, neotropical island rain forest, Appalachian hardwood forest, mangrove forest, estuaries, freshwater streams, freshwater lakes, storm water retention ponds, cypress swamps, coastal marsh, hydric and mesic pine forest, scrub forest, and agricultural systems.

**Research on:** native trees, exotic trees, native wetland vegetation, freshwater fish, wetland invertebrates, terrestrial flying insects, native and exotic anurans, eastern indigo snake, peninsula newt, and Florida Panther.

Peer-reviewed publications: (22 – 6 undergraduate co-authors) also see PEDAGOGY PUBLICATIONS

- Kucherenko, A., J. Herman, E. M. Everham III, and H. Urakawa. Terrestrial snake environmental DNA accumulation and degradation dynamics and its environmental application. *Herpetologica*.
- Cassani, J.R., D.A. Croshaw, J. Bozzo, B. Brooks, E.M. Everham, D.W. Ceilley, and D. Hanson. 2015. Herpetofaunal changes in multiple habitats after fifteen years in a southwest Florida preserve. *PLoS One*. DOI:10.1371/journal.pone.0125845. <http://journals.plos.org/plosone/article/asset?id=10.1371/journal.pone.0125845.PDF>
- Croshaw, D.A., J. Bozzo, J.R. Cassani, D.W. Ceilley, E.M. Everham III, and W.E. Meshaka, Jr. 2013. Documentation of terrestrial activity by the Peninsula Newt (*Notophthalmus viridescens piaropicola*) in southern Florida. *Herpetology Notes*. 6: 533-535 (published online on 21 November 2013).
- Everham III, E.M., D.W. Ceilley, D.A. Croshaw, **J. Firth**, C.W. Gunnels IV, D.D. Hanson, **S. Mariolan**, R.J. Spear, B. Thomas, D.E. Van Norman, **B.M. Whitmore**, and J.R. Cassani. 2013. Ten Years of the Southwest Florida Frog Monitoring Network: Natural Variation and Human-driven Changes. *Florida Scientist*. 76(2): 138-149. <http://www.frogwatch.net/Files/10year%20summary%20Everham.pdf>
- Ceilley, D.W., L. Brady-Herrero, K. Niemec, K.M. Ross, J. A. Ferlita, and E.M. Everham III. 2013. Fish community structure of streams and canals at Babcock Ranch, Charlotte and Lee Counties, Florida. *Florida Scientist*. 76(2): 198-215.
- Lohr, M., K. Arnold, D. W. Ceilley, T. Denison, E. M. Everham III, K. Fikoski, and E. Livingston. 2013. A collaborative approach to Best Management Practice Monitoring Projects in the Estero Bay Region. *Florida Scientist*. 76(2): 283-309.
- Julian II, P., E.M. Everham III, and M.B. Main. 2012. Influence of a large-scale Removal of an Invasive Plant (*Melaleuca quinquenervia*) on Home-range Size and Habitat Selection by Female Florida Panthers (*Puma concolor coryi*) within Big Cypress National Preserve, Florida. *Southeastern Naturalist*. 11(2):337-348
- Dixon, A.D., W.R. Cox, E.M. Everham III, and D.W. Ceilley. 2011. Anurans as biological indicators of restoration success in the Greater Everglades Ecosystem. *Southeastern Naturalist*. 10(4):629-646.
- Evans, J., L. Wewerka, E.M. Everham III, and A.J. Wohlpart. 2011. A large scale snake roadkill event in Lee County Florida. *Herpetological Review*. 42(2): 177-180
- Harris, R.J., E.C. Milbrandt, E.M. Everham, and B.D. Bovard. 2010. The effects of reduced tidal flushing on mangrove structure and function across a disturbance gradient. *Estuaries and Coasts*. 33(5): 1176-1185.
- Everham, E.M., III, D.W. Ceilley, B.L. Thomas, and **D. Hamilton**. 2009. Riparian vegetation along tributaries to Estero Bay, Florida. *Florida Scientist*. 72(4): 420-436.
- Key, J.K.**, E.M. Everham III, D.W. Ceilley, B.L. Thomas, and **R. Leisure III**. 2009. Surface and groundwater dynamics of a cypress slough in an urbanizing watershed. *Florida Scientist*. 72(4): 437-447.

## ECOLOGY PUBLICATIONS – continued

- Tolley, S.G., A.K. Volety, M. Savarese, L.D. Wells, C. Linardich, and E.M. Everham III. 2006. Impacts of salinity and freshwater inflow on oyster-reef communities in southwest Florida. *Aquatic Living Resources*. 19: 371-387
- Pieterse, E.C., L.M. Addison, J.N. Agobian, B. Brooks-Solveson, J. Cassani, and E.M. Everham III. 2006. Five years of the southwest Florida frog monitoring network: changes in frog communities as an indicator of landscape change. *Florida Scientist*. 69(suppl. 2): 117-126.
- Thompson, J., N. Brokaw, J.K. Zimmerman, R.B. Waide, E.M. Everham III, D.J. Lodge, C.M. Taylor, D. Garcia-Montiel and M. Fluet. 2002. Land Use History, Environment, and Tree Composition in a Tropical Forest. *Ecological Applications*: 12(5): 1344-1363.
- Myster, R.W. and E.M. Everham III. 1999. Germination cues across the disturbance regime in the Puerto Rican rainforest. *Tropical Ecology*. 40(1):89-98.
- Romme, W.H., E.M. Everham, L. E. Frelich, M.A. Moritz, R.E. Sparks. 1998. Are large, infrequent disturbances qualitatively different from small frequent disturbances? *Ecosystems* 1: 524-534.
- Turner, M.G., V.H. Dale, and E.M. Everham III. 1997. Hurricanes, crown fires, and volcanoes: a comparison among large-scale disturbances. *BioScience*. Vol. 47(11): 758-768.
- Everham, E.M. III, R.W. Myster, and E. VanDeGenachte. 1996. Effects of light, moisture and temperature on germination of five tree species in the tropical montane forest of Puerto Rico. *American Journal of Botany*. 83(8): 1063-1068.
- Everham, E.M., III, and N.V.L. Brokaw. 1996. Forest damage and recovery from catastrophic wind. *Botanical Review*. 62(2): 113-185.
- Zimmerman, J.K. E.M. Everham III, R.B. Waide, D.J. Lodge, C.M. Taylor, and N.V.L. Brokaw. 1994. Responses of tree species to hurricane winds in a 16 ha plot of low montane forest in Puerto Rico: implications for tropical tree life histories. *Journal of Ecology*. 82: 911-922.
- Hall, C.A.S., M.R. Taylor, and E. Everham. 1992. A geographically-based ecosystem model and its application to the carbon balance of the Luquillo Forest, Puerto Rico. *Water, Air, and Soil Pollution*. 64: 385-404. Reprinted in J. Wisniewski and A.E. Lugo (eds.) *Natural Sinks of CO<sub>2</sub>*. Kluwer Academic Publishers. Boston.

Undergraduate co-authors in **bold**

### Book Chapters: (3)

- Brokaw, N., S. Fraver, J.S. Grear, J. Thompson, J.K. Zimmerman, R.B. Waide, E.M. Everham III, S.P. Hubbell, and R.B. Foster. 2004. Disturbance and canopy structure in two tropical forests. In E. Losos and E. Leigh Jr. (eds.) *Forest Diversity and Dynamism: Findings from a large-scale plot network*. The University of Chicago Press.
- Thompson, J., N. Brokaw, J.K. Zimmerman, R. B. Waide, E.M. Everham III, and D. Schafer. 2004. Luquillo forest dynamics plot, Puerto Rico, United States. Pages 540-550 In E. Losos and E. Leigh Jr. (eds.) *Forest Diversity and Dynamism: Findings from a large-scale plot network*. The University of Chicago Press.
- Everham, E.M. III. 1995. A comparison of methods for quantifying catastrophic wind damage to forests. Pages 340-357 in J. Grace and M. Coutts (eds.) *Wind and wind-related damage to trees*. Cambridge University Press.

## ECOLOGY PUBLICATIONS – *continued*

### Conference Proceedings: (6 total – 4 undergraduate co-authors)

- Denison, T.J., M.L. Lohr, D.W. Ceilley, and E.M. Everham III. 2008. Water quality evaluation of the impacts of aeration on deep and shallow wet detention ponds in southwest Florida. Proceedings of STORMCON: North American Surface Water Quality Conference. Orlando, Florida.
- Brooks-Solveson, B., M.G. Brown, M.K. Cassani, E.M. Everham III, **T. Matonis**, and **C. White**. 2004. Impact of wildfire on wetland and upland habitats restored from invasion of *Melaleuca quinquenervia*. In P.J. Cannizzaro (ed.) Proceedings of the Thirty First Annual Conference on Ecosystems Restoration and Creation. Hillsborough Community College. Tampa, Florida
- Everham, E.M., III, K.M. Wooster, and C.A.S. Hall. 1991. Forest landscape climate modeling. Pp. 11-16 in M.A. Buford (Ed.) Proceedings of the 1991 Symposium on Systems Analysis in Forest Resources. USDA Forest Service. General Technical Report SE-74.
- Everham, E.M., III. 1991. A landscape simulation model of forest growth for the Luquillo Experimental Forest, Puerto Rico. In J. McLeod (Ed.) *Toward Understanding Our Environment*. The Society for Computer Simulation. San Diego.
- Everham, E.M., III, and K.M. Wooster. 1991. Modeling microclimate from a geographical information system. In J. McLeod (Ed.) *Toward Understanding Our Environment*. The Society for Computer Simulation. San Diego.
- Pederson, N.**, E.M. Everham III, and **J. Sahn**. 1991. Natural disturbance simulation in the Luquillo Experimental Forest, Puerto Rico. In J. McLeod (Ed.) *Toward Understanding Our Environment*. The Society for Computer Simulation. San Diego.

Undergraduate co-authors in **bold**

### Project Reports: (29 – 14 undergraduate co-authors)

- B. Bovard, E. M. Everham III, O. Maradiaga, and **K. Sacco**. Establishment of Long-term Mangrove Study Plots for Assessing Hurricane Impacts, Tracking Forest Dynamics, and Monitoring Carbon Storage in Estero Bay, Florida. May 11, 2018. Final Report to the Blair Scholarship Program.
- B. Bovard, E. M. Everham III, C.W. Gunnels IV, J. Herman, and K. Lefevre. Status and Monitoring of Biodiversity on the Florida Gulf Coast University Campus. July 10, 2017. STARS.
- Inland Ecology Research Group. Lake Trafford Limnological and Biological Assessment and Lake Management Coordination. November 25, 2014. Big Cypress Basin Board of South Florida Water Management District P.O. #450000630024
- E. M. Everham III, T. El-Hefnawy, J. Hornby, N. Wilkinson, **K. E. Nelson**, D. W. Ceilley, and R. Morreale. Measuring the fate and non-target impacts of Dibrom® using aerial ultra low volume (ULV) spray technology in mangrove and open marsh wetlands. Final Report. November 15, 2014. Florida Department of Agriculture and Consumer Affairs. Contract #020646
- E.M. Everham III and D.W. Ceilley. Data Analysis of Water Quality Projects Phase II: Water Quality Analysis and Assessment. June 10, 2014. Florida Department of Environmental Protection. DEP Contract No. WM955
- Ceilley, D.W., J.E. Herman, S.B. Jackson, D. Dickinson, **C.F. Houston**, **J. Webb**, and E.M. Everham III. Effects of Land Conversion Projects on the Eastern Indigo Snake (*Drymarchon couperi*) in South Florida: C-44 Reservoir Site and Adjacent Lands in Allapattah Flats. June 4, 2014. U.S. Fish and Wildlife Service Agreement No: F11AP00168. DUNS No: 834477051

Project Reports: continued

- Ceilley, D.W., E.M. Everham S.E. Thomas & J.A. Ferlita Lake Trafford Biological Monitoring. Annual Report. September 30, 2013. Big Cypress Basin Board of South Florida Water Management
- Ceilley, D.W., S. Thomas, and E.M. Everham III. Lake Trafford Management Action Plan. July 15, 2013. Big Cypress Basin. South Florida Water Management District.
- Ceilley, D. W., E. M. Everham III, K. M. Ross, J. A. Ferlita II, and **G. Rosenaw**. 2013. Planting *Vallisneria americana* in the Freshwater Caloosahatchee River: A Dry Season Opportunity, Phase II Final Report. December 2012. South Florida Water Management District. Coastal Ecosystem Sciences Division
- Inland Ecology Research Group. 2012. Lake Trafford Monitoring Annual Report. September 15, 2012. Big Cypress Basin Board of South Florida Water Management District. P.O. #450000630024
- Ceilley, D.W., and E.M. Everham III. Wildlife Corridor and Assessment Report Babcock Ranch Community.. June 18, 2012. Inland Ecology Research Group.
- Ceilley, D.W., S. Thomas, and E.M. Everham III. 2012. Lake Trafford Management Action Plan. Big Cypress Basin. South Florida Water Management District.
- Inland Ecology Research Group. 2011. Lake Trafford Monitoring and Management Annual Report. August 30, 2011. Big Cypress Basin Board of South Florida Water Management District.
- Ai Ning Loh, Larry E. Brand, David Ceilley, Matthew Charette, Loren Coen, Edwin M. Everham III, David C. Fugate, Raymond E. Grizzle, Eric C. Milbrandt, Bernhard M. Riegl, Greg Foster, <sup>3</sup>Paul Henderson, Crystal Breier, Qian Liu, Taylor Watson, Keleigh Provost, Leslie L. Tomasello and Michael L. Parsons. 2010. Final Report – Technical: Bioavailability and Sources of Nutrients and the Linkages to Nuisance Drift Algae. The City of Sanibel in Partnership with Lee County
- Inland Ecology Research Group. 2009. Lake Trafford Biological Monitoring Phase III: Annual Report. September 30, 2009. South Florida Water Management District.
- Inland Ecology Research Group. 2009. Baseline Biological Assessment: Herpetofauna, Mammals, & Aquatic Fauna Final Report. December 18, 2009. Kitson & Partners. Port Charlotte, Florida
- Ai Ning Loh, Larry E. Brand, David Ceilley, Matthew Charette, Loren Coen, Edwin M. Everham III, Greg Foster, David C. Fugate, Raymond E. Grizzle, Eric C. Milbrandt, Michael L. Parsons, Bernhard M. Riegl. 2009. First Annual Report: Bioavailability and Sources of Nutrients and the Linkages to Nuisance Drift Algae. The City of Sanibel in Partnership with Lee County
- Jeffrey Key and Edwin M. Everham III. 2008. Six Mile Cypress Slough Hydrologic and Vegetation Monitoring Annual Report 2007. Lee County Parks and Recreation.
- Ceilley, D.W. and E.M. Everham III. 2008. Water Quality Projects Data Analysis Final Report. Florida Department of Environmental Regulation Bureau of Watershed Restoration.
- Inland Ecology Research Group. 2008. Babcock Ranch Community Baseline Biological Assessment Reconnaissance Report. Kitson & Partners. Port Charlotte, Florida
- Holtzclaw, R.J., E.M. Everham III, and B. Thomas. 2007. Hurricane research at Archbold Biological Station. Final Report. Contract 26169. Archbold Biological Station.



Project Reports: continued

- J.G. Key, E.C. Pieterston**, B. Thomas, and E.M. Everham III. 2007. Six Mile Cypress Slough Preserve Hydrological Monitoring. Final Report. Lee County Parks and Recreation.
- Everham, E.M., III. Lake Trafford: State of the Lake Report. Lake Trafford Watershed Management Plan Phase I Final Report. 2007. Big Cypress Subbasin, South Florida Water Management District. Contract: OT060136
- Everham, E.M. III, B.L. Thomas, D.W. Ceilley, and **D. Hamilton**. 2007. Estero Bay Tributaries Riparian Vegetation Analysis. Final Report. South Florida Water Management District. Contract OT061248.
- Everham III, E.M., and **Jeffrey G. Key**. 2006. Quantification of nutrient dynamics in human-created wetlands in southwest Florida. Final Report. Florida Department of Environmental Protection In-Kind Project. OGC Case No. 04-1109-36-HW.
- Everham, and G. Buckner. 2005. Gulf Tributaries Project: Final Report. The Conservancy of Southwest Florida.
- E.M. Everham III and R. Holtzclaw. 2001. Ocean Agriculture Hydroponics Project Final Report. Ocean Agriculture, Inc.
- E.M. Everham III, J.R. Cassani, S.G. Tolley, and D.W. Ceilley. 2000. A Rapid Bioassessment Program for Estero Bay Tributaries Final Report. Charlotte Harbor National Estuary Program.
- Boyd, D., C. Christian**, W. Everham, **C. Jubb, M. Levin, J. White**. 1995. A guide to modeling hydrology using the ARC/INFO geographic information system. Radford University.
- Everham, E.M. III, R.B. Waide, and F.N. Scatena. 1993. A field guide to computer simulation models of the Luquillo Experimental Forest. University of Puerto Rico. San Juan.

Undergraduate co-authors in **bold**

Popular Press: (6)

- John Cassani and Win Everham. 2015. Battered, broken, but still standing. Olga Oak is a tribute to nature's resilience. News Press Tropicalia. August 9. <http://www.news-press.com/story/life/outdoors/2015/08/04/olga-live-oak-florida-caloosahatchee-tree-cassani-everham-fgcu/31124405/>
- Everham, W. 2015. Ecological Myths of Southwest Florida. Fort Myers Florida Weekly. August 5-11, 2015.
- Everham, W. 2015. Ecological Myths of Southwest Florida. Pinnacle Magazine.
- Everham, W. 2007. Do you really need that lawn? *Gulfshore Life*. March: 112-118.
- Everham, E. 2006. Caloosahatchee: Endangered River. *Expressions*. October.
- Everham, E.M. III. 1996. Spatial patterns of hurricane disturbance in a 16-hectare plot in the Luquillo Experimental Forest, Puerto Rico. Latin American Program. *Inside CTFS*. Center for Tropical Forest Science of the Smithsonian Tropical Research Institute. Summer 1996: 2-3.

**ON-LINE BIBLIOGRAPHIES**

- Bibliography of wind impacts on forests <http://ruby.fgcu.edu/Courses/everham/Disturbance/windbibl.html>
- Bibliography of *Melaleuca quinquenervia* <http://ruby.fgcu.edu/Courses/everham/Exotics/MELQUIbibl.htm>
- Bibliography of exotic species <http://ruby.fgcu.edu/Courses/everham/Exotics/ExoticBiblio.html>

## ORAL PRESENTATIONS – Ecology (47)

Hurricane Impacts on Native Ecosystems. The Changing Climate of Funding and Regulation. 27<sup>th</sup> Annual Southwest Florida Water Resources Conference. February 2, 2018. Pelican Preserve, Ft. Myers, FL.

Hurricane Irma Effects. Estero Bay Agency on Bay Management. November 13, 2017. Ft. Myers, FL.

Ecology and Evolution in the 22<sup>nd</sup> Century: Where are we going and how will we get there?" Invited plenary talk. The 14<sup>th</sup> Annual Southeastern Ecology and Evolution Conference September 22-24, 2017. FGCU, Ft. Myers, FL.

[Anurans as Indicators of Landscape Change in Southwest Florida](#). GEER 2017 Advancing Science, Restoring the Everglades. Coral Springs, FL. April 17-20, 2017.

[Measuring the Fate and Non-target Impacts of Dibrom using Aerial Ultra-low Volume \(ULV\) Spray Technology in Mangrove and Open Marsh Wetlands](#). 2017 Charlotte Harbor Watershed Summit: Showcasing Our Accomplishments. Punta Gorda, March 28-30, 2017.

Summary and Synthesis. Concluding activity at the Cela Tega on Resiliency and Adaptations in the Estero Bay Region. Estero Bay Agency on Bay Managing. FGCU 12/12/17.

Ecological Integrity: Managing Land in a Changing World. CHNEP Conservations Lands Workshop. Punta Gorda, FL. September 7, 2016.

The Lake Trafford Story: A case study of the interaction of ecology, geology, and engineering toward restoration in south Florida. Everglades Geological Society. January 20, 2015. FGCU.

The Tempest Ghosts of Hurricanes Past and Present, Co-presented with Jo Muller. The Taras Oceanographic Foundation. Meet the Scientist Series. November 12, 2014. Jupiter. FL.

Measuring the fate and non-target impacts of Dibrom using ultra-low volume (ULV) spray technology in mangrove and marsh wetlands. Estero Bay Agency on Bay Management. November 10, 2014. Ft. Myers, FL

Ecological State of the Florida Gulf Coast University Campus 1994-2014. Invited presentation. Florida Native Plant Society Annual Meeting. Ft. Myers, Florida.

[Ecological State of the Florida Gulf Coast University Campus 1994-2014](#). Charlotte Harbor Watershed Summit: Our Vision in Action. March 25-27, 2014. Punta Gorda, Florida.

Disturbance and change in ecological systems. STEM Seminar. Florida Gulf Coast University. March 20, 2014.

Environmental Sustainability Panel: Local Ecology and Global Initiatives. Co-panelists: Neville Williams and Neil Wilkinson. Progressive Voices Speak Out. Unitarian Universalist Congregation of Greater Naples. March 12, 2014. Naples, Florida.

The Un-quantifiable Values of Conservation Lands. Cela Tega: Conservation Lands' Economic Value Conference. Florida Gulf Coast University. November 2, 2011.

Monitoring the Recovery of Lake Trafford. Co-presenter D.W. Ceilley. Co-authors: J. Ferlita and S Thomas. Big Cypress Basin Board Meeting. October 27, 2011. Naples, Florida.

[Southwest Florida Frog Monitoring Network](#). Co-author: J. Cassani. September 28, 2009. Estero Bay Watershed Symposium. FGCU. Ft. Myers, FL.

## ORAL PRESENTATIONS –Ecology *continued*

Changing patterns of rainfall in southwest Florida. Co-author: B. Bovard. 18<sup>th</sup> Annual Southwest Florida Water Resources Conference. Planning for the Unpredictable. Florida Gulf Coast University. November 7, 2008. Ft. Myers, Florida.

Riparian vegetation along tributaries to Estero Bay. Co-authors: D. W. Ceilley, B.L. Thomas, and **D. Hamilton**. Estero Bay Science Symposium. Florida Gulf Coast University. November 6, 2008. Ft. Myers, Florida.

Drift Algae Deposition and Decomposition. Presentation to the Ft Myers Beach Marine Resources Task Force. October 8, 2008. Ft. Myers Beach, Florida

Estero Bay Tributaries Riparian Vegetation Analysis. Co-presenter D.W. Ceilley. Estero Bay Agency on Bay Management. Regional Planning Council. September 15, 2008. Ft. Myers, Florida.

Impacts of aeration on deep and shallow wet detention ponds southwest Florida. Co-presenter: T. Denison. Co-authors: D.W. Ceilley and M. Lohr. StormCon: North American Surface Water Quality Conference. August 5, 2008. Orlando, Florida.

Hydrological monitoring of the Six Mile Cypress Slough Preserve. Co-authors **J. Key, R. Liesure III, D. Hamilton**, B.L. Thomas, **C. Wilson, B. Kolhoff, J. Hahner**, D.W. Ceilley, M.K. Cassani. Charlotte Harbor Watershed Summit 2008. March 27, 2008. Edison College, Punta Gorda, Florida.

The effects of climate change on mangroves. Climate Change Teach-In. January 30, 2008. Florida Gulf Coast University.

Environmental issues in the Caloosahatchee watershed. 2007. American Ground Water Trust Ground Water Institute for Teachers. South Florida Water Management District. June 29, 2007. Ft. Myers, Florida.

Lake Trafford Monitoring Project: Phase II. Co-presenter: D.W. Ceilley. Big Cypress Basin Board of the South Florida Water Management District. February 29, 2007. Naples, Florida.

Hurricanes and mangroves in SWF: is the ball out of the bowl? Mangrove Symposium. Conservancy of Southwest Florida. February 10, 2007. Naples, Florida.

Hurricanes, Humans, and Sustainability in Southwest Florida. Phi Beta Kappa Annual Meeting. Florida Gulf Coast University. November 14, 2005. Ft. Myers, Florida.

Citizen Science: Frog Listening Network. 2005. Ecotour Operator Series Workshop. Rookery Bay National Estuarine Research Reserve. September 15, 2005. Naples, Florida.

An Initial Assessment of Hurricane Impacts to Southwest Florida Forested Ecosystems. Co-authors: K. B. Kaufman, B. Brooks-Solveson and **S. Miles**. Charlotte Harbor Watershed Summit 2005. February 17, 2005. Punta Gorda, Florida

Five-years of the Southwest Florida Frog Monitoring Network: changes in frog communities as an indicator of landscape change. Co-presenter: E. C. Pieterston. Co-authors: L. M. Addison, J. Agobian, **W. Bluhm**, B. Brooks-Solveson, J. Cassani, **D. Hoppa, A. Orlando**, and B. W. Smith. Charlotte Harbor Watershed Summit 2005. February 16, 2005. Punta Gorda, Florida.

Impact of wildfire on wetland and upland habitats restored from invasion of *Melaleuca quinquenervia*. Co-authors: B. Brooks-Solveson, M.G. Brown, and M.K. Cassani. The Annual Conference on Ecosystems Restoration and Creation. Hillsborough Community College. October, 2004. Tampa, Florida.

Hurricanes: Is the Marble out of the Bowl. Presentation with Kevin Erwin. Environmental Breakfast. October 2004. Ft. Myers, Florida.

## ORAL PRESENTATIONS –*Ecology continued*

Ecological Myths. Every Drop Counts. Water Symposium 2003. May 2, 2003. Naples, Florida.

Future trends in water resources: lessons learned from successes, and failures, from the past. Panel discussion with: D. Townsend, D. Graham, D. Burr, A. Ahmadi. 12<sup>th</sup> Annual Southwest Florida Water Resources Conference. November 15, 2002. Ft. Myers, Florida.

Shaping Ecosystems through Irregular Events, an introduction to Disturbance Ecology. Water resources in a variable world – coping with hurricanes, floods, and droughts, 11th SWF Water Resources Conference. Florida Gulf Coast University. November 2001. Ft. Myers, Florida

Estero Bay Rapid Bioassessment. Co-authored with G. Tolley, J. Cassani, and D. Ceilley. Technical Advisory Committee. Charlotte Harbor National Estuary Program. June 21, 2000. Arcadia, Florida.

Hurricane Disturbance and Recovery: an empirical and simulation study of vegetation in the Luquillo Experimental Forest, Puerto Rico. Symposium on Tropical Forest Ecology. Professional Lecture Series, SUNY ESF. November 20, 1995. Syracuse, New York.

Disturbance, history, and tree community structure in a Puerto Rican Forest. Manomet Observatory for Conservation Sciences. March 9, 1994. Plymouth, Massachusetts.

A comparison of methods for quantifying hurricane damage to forests. Conference on wind and wind-related damage to trees. July, 1993. Edinburgh, Scotland.

A coordinated research program on carbon fluxes in the tropics V: the development of an integrated meteorological, hydrological and ecological model for the Luquillo Forest of Puerto Rico. Pattern and Process in Landscape Ecology Eighth Annual U.S. Landscape Ecology Symposium. March, 1993. Oak Ridge, Tennessee.

Modeling landscape processes. Luquillo Experimental Forest Long-Term Ecological Research Site Annual Meeting. January, 1993. El Verde, Puerto Rico.

The impact of Hurricane Hugo on the Luquillo Experimental Forest. Association for Tropical Biology Annual Meeting. August, 1992. Honolulu, Hawaii.

Examining potential impacts of global climate change using a spatially-explicit physiologically based forest growth model. Institute of Tropical Forest Summer Seminar. August, 1992. Rio Piedras, Puerto Rico.

Modeling microclimate from a geographical information system. Simulation MultiConference. April, 1991. New Orleans, Louisiana.

A landscape simulation model of forest growth for the Luquillo Experimental Forest, Puerto Rico. Simulation MultiConference. April, 1991. New Orleans, Louisiana.

Forest landscape climate modeling. Symposium on Systems Analysis in Forest Resources. March, 1991. Charleston, South Carolina.

Undergraduate co-authors in **bold**

**POSTERS AND CO-AUTHORED PRESENTATIONS – Ecology (122 – 125 undergraduate co-authors)**

State of Lake Trafford following restoration dredging. Poster. E.M. Everham III. R.A. Braun, D.W. Ceilley, J.A. Ferlita II, M. Lucius, and S. Thomas. GEER 2017 Advancing Science, Restoring the Everglades. Coral Springs, FL. April 17-20, 2017.

Measuring the fate and non-target impacts of Dibrom using aerial ultra-low volume (ULV) spray technology in mangrove and open marsh wetlands in south Florida. Poster. D.W. Ceilley, T. El-Hefnawy, J. Hornby, N. Wilkinson, K.E. Nelson, R. Morreale, and **J. Berman**. GEER 2017 Advancing Science, Restoring the Everglades. Coral Springs, FL. April 17-20, 2017.

Anuran Community Changes in Southwest Florida Over Seventeen Years. Poster. M. Bonness, J. Cassani, D.W. Ceilley, J. Conrad, D.A. Croshaw, **A. Cutler, A. Elliott**, E.M. Everham III, C.W. Gunnels IV, **V. Fields**, S.B. Jackson, D. Kern, **K. Koszela, K. Secco**, A. Shaw, **M. Sleeper**, D. Van Norman, and M. Whitmer. 2017 FGCU Research Day. April 18, 2017.

State of Lake Trafford following restoration dredging. Poster. E.M. Everham III. R.A. Braun, D.W. Ceilley, J.A. Ferlita II, M. Lucius, and S. Thomas. 2017 FGCU Research Day. April 18, 2017.

[Sixteen years of the southwest Florida frog monitoring network](#). Oral presentation by **K. Koszela**. Co-authors: M. Bonness, J. Cassani, D.W. Ceilley, J. Conrad, D.A. Croshaw, **A. Cutler, A. Elliott**, E.M. Everham III, C.W. Gunnels IV, **V. Fields**, S.B. Jackson, D. Kern, **K. Secco**, A. Shaw, **M. Sleeper**, D. Van Norman, and M. Whitmer. 2017 Charlotte Harbor Watershed Summit: Showcasing Our Accomplishments. March 28-30, 2017. Punta Gorda, Florida.

The impact of removal of *Melaleuca quinquenervia* on the growth of native trees: slash pine (*Pinus elliotii*) and pond cypress (*Taxodium ascendens*). Poster. **I. Sanchez, M. Da Costa, J.A. Shelton, V. Adams**, M.K. Cassani, G. Brown, E.M. Everham III. 2017 Charlotte Harbor Watershed Summit: Showcasing Our Accomplishments. March 28-30, 2017. Punta Gorda, Florida.

Habitat use of Florida box turtle (*Terrapene carolina bauri*) on a barrier island: Sanibel, Florida. Poster. **Gibson, N.**, C. Lechowicz,, E.M. Everham III. 2017 Charlotte Harbor Watershed Summit: Showcasing Our Accomplishments. March 28-30, 2017. Punta Gorda, Florida.

The gopher 300: a metadata analysis of gopher tortoise (*Gopherus polyphemus*) burrow commensals. Poster. **Bruce, A.**, M. Bonness, D.W. Ceilley, N. E. Demers, J. Herman, and E.M. Everham III. 2017 Charlotte Harbor Watershed Summit: Showcasing Our Accomplishments. March 28-30, 2017. Punta Gorda, Florida.

Factors affecting the restoration of (*Vallisneria americana*) in the Caloosahatchee River. Poster. K.M. Ross, D.W. Ceilley, J. Douglass, **C. Liang**, and E.M. Everham III. 2017 Charlotte Harbor Watershed Summit: Showcasing Our Accomplishments. March 28-30, 2017. Punta Gorda, Florida.

A Preliminary Analyses of Landscape Ecology of the Eastern Indigo Snake (*Drymarchon couperi*) in Southwest Florida. Oral presentation by M. Metcalf. Co-authors: Everham III, and J.E. Herman. University of Florida Herpetology Conference. March 26, 2017. Gainesville, Florida.

Changes in Anuran Populations and Communities in Southwest Florida over 17 years (2000-2016). Poster. **A. Elliot**, M. Bonness, J. Cassani, J. Conrad, D.A. Croshaw, **A. Cutler, A. DeBarr**. E.M. Everham III. **V. Fields**, C.W. Gunnels IV, S.B. Jackson, D. Kern, **K. Koszela, K. Secco**, A. Shaw, **M. Sleeper**, D. Van Norman, and M. Whitmer. FGCU Biodiversity Conference. March 7-10. 2017. Ft. Myers, Florida.

Content analysis of newspaper coverage of the Florida Panther (*Puma concolor coryi*) through time. Oral Presentation by Amie Haertling. Third Annual Corkscrew Watershed Science Forum. January 27, 2017.

Preliminary results from the SWF Frogwatch database 2000-2016. **A. Cutler, A. Elliot, K. Koszela**, A. Shaw, **M. Sleeper**, M. Whitmer and W. Everham. Poster. Third Annual Corkscrew Watershed Science Forum. January 27, 2017.

## POSTERS AND CO-AUTHORED PRESENTATIONS – Ecology *continued*

Habitat use of Florida Box Turtle (*Terrapene carolina bauri*) on a barrier island: Sanibel Florida. **N. Gibson** and W. Everham. Poster. Third Annual Corkscrew Watershed Science Forum. January 27, 2017.

A preliminary comparison of home range sizes for the Eastern Indigo Snake (*Drymarchon couperi*) from modified vs. less-modified sites in South Florida. Poster. Metcalf, M.F., J.E. Herman, E.M. Everham, and D.W. Ceilley. Third Annual Corkscrew Watershed Science Forum. January 27, 2017.

Longterm forest growth plots in southwest Florida. Poster. **I. Sanchez, M. DaCosta, J.A. Selton, V. Adams,** and W. Everham. Third Annual Corkscrew Watershed Science Forum. January 27, 2017.

Guiding Lake Trafford's Recovery: Lake Trafford Management Team and Management Action Plan. Poster. D.W. Ceilley, S. Thomas, J. Ferlita, and E.M. Everham III. Cooperative Solutions: working together to address water challenges. 26<sup>th</sup> Annual Southwest Florida Water Resources Conference. January 13, 2017. FGCU. Ft. Myers, FL.

A Preliminary Comparison of Home-Range Sizes for the Eastern Indigo Snake (*Drymarchon couperi*) from Modified vs. Less Modified Sites in South Florida. Poster. Metcalf, M., S.B. Jackson, D.W. Ceilley, E.M. Everham III, and J.E. Herman. Joint Meeting of Ichthyologists and Herpetologists. July 8, 2016. New Orleans, Louisiana

A preliminary comparison of home range sizes for the Eastern Indigo Snake (*Drymarchon couperi*) from disturbed vs. non-disturbed sites in South Florida. Poster. Metcalf, M.F., S.B. Jackson, D.W. Ceilley, E.M. Everham, and J.E. Herman. Southeast Partners for Amphibian and Reptile Conservation Annual Meeting. February 18–21, 2016. Nauvoo, Alabama.

Measuring the fate and non-target impacts of Dibrom using aerial ultra-low volume (ULV) spray technology in mangrove and open marsh wetlands. Co-authors: Talal El-Hefnawy, David W. Ceilley, Jonathan Hornby (presenter), and Neil Wilkinson. Florida Coordination Council on Mosquito Control. Pasco County. FL. September 29, 2015.

[Herpetofaunal Community Changes in Multiple Habitats Over Fifteen Years in the Corkscrew Regional Ecosystem Watershed](#). Co-authors: D.A. Croshaw, J.R. Cassani, J. Bozzo, B. Brooks, D.W. Ceilley and D. Hanson. Science in Support of Everglades Restoration. GEER 2015. April 22, 2015. Coral Springs, FL.

[Guiding Lake Trafford's Restoration: Lake Trafford Management Team and Management Action Plan](#). Poster co-authors: S. Thomas, J. Ferlita and D.W. Ceilley. Science in Support of Everglades Restoration. GEER 2015. April 22, 2015. Coral Springs, FL.

[Tape Grass, \*Vallisneria americana\* Restoration in SW Florida Using Exclosure Cages to Reduce Herbivory and Promote Seed Production](#). Poster co-author: D.W. Ceilley. Science in Support of Everglades Restoration. GEER 2015. April 22, 2015. Coral Springs, FL.

[Macroinvertebrates of Wetlands, Canals, and Streams in SW Florida: A Rapid Field Assessment and Multivariate Approach for Community Analysis and Identifying Indicator Taxa](#). Poster co-author: D.W. Ceilley. Science in Support of Everglades Restoration. GEER 2015. April 22, 2015. Coral Springs, FL.

[Home Range Size and Habitat Use by the Eastern Indigo Snake \(\*Drymarchon couperi\*\) in South Florida: C-44 Reservoir Site, Allapattah Flats, and Babcock Ranch](#). Co-authors: J.E. Herman, D.W. Ceilley, S.B. Jackson, S. Mortellaro, L. Nestor, D. Dickinson, **C.F. Houston**, and **J. Webb**. Science in Support of Everglades Restoration. GEER 2015. April 22, 2015. Coral Springs, FL.

Measuring the fate and non-target impacts of Dibrom using ultra-low volume (ULV) spray technology in mangrove and open marsh wetlands. Co-authors: T. Hefnawy, J. Hornby, N. Wilkinson, **K.E. Nelson**, C.W. Ceilley, and R. Morreale. April 17, 2015. Florida Gulf Coast University Research Day.

Ecological State of the Florida Gulf Coast University Campus 1994-2014. Florida Gulf Coast University Research Day. April 18, 2014. Ft. Myers, Florida

## POSTERS AND CO-AUTHORED PRESENTATIONS – Ecology *continued*

Reconnecting students to the land through shelter building. Poster: co-author **T. Faatz**. Florida Gulf Coast University Research Day. April 18, 2014. Ft. Myers, Florida.

Guiding Lake Trafford's Recovery: Lake Trafford Management Team and Management Action Plan. Poster: co-authors: D.W. Ceilley, S. Thomas, and J.A. Ferlita. Florida Gulf Coast University Research Day. April 18, 2014. Ft. Myers, Florida

Tape grass, *Vallisneria americana* restoration in the freshwater Caloosahatchee River. Presented by D.W. Ceilley, co-authors: J.A. Ferlita and K.M. Ross. Charlotte Harbor Watershed Summit: Our Vision in Action. March 25-27, 2014. Punta Gorda, Florida.

*Vallisneria* planting in the Caloosahatchee River: A dry season opportunity. Poster. Co-authors: B.A. Orlando, D.W. Ceilley, K.M. Ross, and J.A. Ferlita. Charlotte Harbor Watershed Summit: Our Vision in Action. March 25-27, 2014. Punta Gorda, Florida.

Guiding Lake Trafford's Recovery: Lake Trafford Management Team and Management Action Plan. Poster. D. W. Ceilley, S. Thomas, J. Ferlita, and E.M. Everham III. Charlotte Harbor Watershed Summit: Our Vision in Action. March 25-27, 2014. Punta Gorda, Florida.

Lake Trafford limnological assessment: tracking lake dynamics following dredging. Co-authors: J.A. Ferlita, D.W. Ceilley, S. Thomas, and D. Detmar. Florida Gulf Coast University Research Day. April 19, 2013. Ft. Myers, Florida. (Watershed Council Award).

Fish as indicators of success in the Picyune Strand Restoration Project. Co-authors: R. Young and D.W. Ceilley. Gulf Coast University Research Day. April 19, 2013. Ft. Myers, Florida.

Dry season planting of Tape Grass, *Vallisneria americana* in the freshwater Caloosahatchee River: Final Project Presentation. Presenter: D.W. Ceilley. South Florida Water Management District Coastal Ecosystem Sciences Division. January, 2013

Determining home range and habitat use of a southern population of eastern indigo snakes (*Drymarchon couperi*) using radio telemetry. Co-authors: S.B. Jackson, D.W. Ceilley, and J. Herman. Inaugural South Florida Graduate Research Symposium. July 18, 2012. Fort Lauderdale Research and Education Center. Davie, Florida. (1<sup>st</sup> Place Award for Brent Jackson).

Spatial and temporal community dynamics of freshwater invertebrates in a southwest Florida lake: measuring restoration success. Co-authors: J. Ferlita and C.W. Ceilley. Inaugural South Florida Graduate Research Symposium. July 18, 2012. Fort Lauderdale Research and Education Center. Davie, Florida.

Planting *Vallisneria americana* in the freshwater Caloosahatchee River: a dry season opportunity Phase II. Co-authors: K. Ross and D.W. Ceilley. Inaugural South Florida Graduate Research Symposium. July 18, 2012. Fort Lauderdale Research and Education Center. Davie, Florida

Determining home range and habitat use of a southern population of eastern indigo snakes (*Drymarchon couperi*) using radio telemetry. Co-authors: S.B. Jackson, D.W. Ceilley, and J. Herman. Florida Gulf Coast University Research Day. April 20, 2012. Ft. Myers, Florida

Monitoring the Recovery of Lake Trafford Restoration Limnological Assessment Program. Presenter D.W. Ceilley. Co-authors: J. Ferlita and S Thomas. Big Cypress Basin Board Meeting. February, 2012. Naples, Florida.

An update on the biological monitoring of the Lake Trafford Restoration Project, Collier County Florida: making the case for monitoring during the restoration process. Co-authors: J. Ferlita, D.W. Ceilley, S. Thomas, **M. Weitzel**, K.M. Ross. Florida Gulf Coast University Research Day. April 21, 2011. Ft. Myers, Florida.

## POSTERS AND CO-AUTHORED PRESENTATIONS – Ecology *continued*

Ichthyofaunal community assessment of natural and anthropogenic habitats at Babcock Ranch: performance measures for modeling restoration success. Co-authors: K. Ross and D.W. Ceilley. Florida Gulf Coast University Research Day. April 21, 2011. Ft. Myers, Florida.

Ten Years of the southwest Florida Frog Monitoring Network: natural cycles and human-driven changes. Co-author: J. Cassini. Florida Gulf Coast University Research Day. April 21, 2011. Ft. Myers, Florida.

Establishment of a long-term study plot for old-field succession at the Buckingham Center, Florida Gulf Coast University. Co-authors: **Kiley Revel, Lindsay Castret, John Garafola, Lara Collier, Andrea Grace, Meghan Lauer, Arielle Taylor-Manges, Jonathan Maile, Scott Anderson, David Pittman, Drew Morris, Joan Firth.** Florida Gulf Coast University Research Day. April 21, 2011. Ft. Myers, Florida.

Water quality evaluation of the impacts of Best Management Practices on wet detention ponds in southwest Florida. Co-authors: T.J. Denison, M.L. Lohr, and D.W. Ceilley. Florida Gulf Coast University Research Day. April 21, 2011. Ft. Myers, Florida.

Initiating a baseline population study of the American Alligator (*Alligator mississippiensis*) on the Florida Gulf Coast University Campus. Co-authors: **S. Wilkinson and G. Kosik.** Florida Gulf Coast University Research Day. April 21, 2011. Ft. Myers, Florida.

Sources and sinks of nutrients to the Caloosahatchee River and the Gulf of Mexico. Co-authors A.H. Loh, L.L. Tomasello, R.D.J. Ketover, E.M. Everham, M.L. Parsons. Charlotte Harbor Watershed Summit: State of Our Watersheds and Estuaries. March 30-31, 2011. Punta Gorda. Florida.

Water quality evaluation of the impacts of aeration on wet detention ponds in southwest Florida. Co-authors: T.J. Denison, M.L. Lohr, and D.W. Ceilley. Charlotte Harbor Watershed Summit: State of Our Watersheds and Estuaries. March 30-31, 2011. Punta Gorda. Florida.

Ten years of the southwest Florida frog monitoring network: natural cycles and human-driven changes. Co-author: J. Cossani. Charlotte Harbor Watershed Summit: State of Our Watersheds and Estuaries. March 30-31, 2011. Punta Gorda. Florida.

Factors affecting fish community structure at Babcock Ranch, Charlotte and Lee Counties, Florida. Co-authors: D.W. Ceilley, K.M. Ross, L. B. Herrero, and K. Willett. Charlotte Harbor Watershed Summit: State of Our Watersheds and Estuaries. March 30-31, 2011. Punta Gorda. Florida.

[Factors affecting fish community structure at Babcock Ranch, Charlotte and Lee Counties Florida.](#) . Co-authors: K. M. Ross, C.W. Ceilley, and L. B. Herrero. GEER Conference. July 12-16, 2010, Naples, FL.

[An update on the biological monitoring of the Lake Trafford Restoration Project, Collier County Florida: making the case for monitoring during the restoration process.](#) Co-authors: D.W. Ceilley, S. Thomas, **J.A. Morris**, K.M. Ross. GEER Conference. July 12-16, 2010, Naples, FL.

Population genetic analysis reveals the lack of two distinct populations of *Melaleuca quinquenervia* on the East and West coasts of Florida. Co-authors: . Cruz-Alvarez, **J. Duncan, J. Morgan, L. Tomasello, L. Valenzuela.** Florida Gulf Coast University Research Day. April 23, 2010. Ft. Myers, Florida.

Latitudinal photo documentation of mangrove response to prolonged “freeze” events. (as *Faculty Mentor*) Authors: P. Julian, A. Naccarato and **D. Liddick.** . Florida Gulf Coast University Research Day. April 23, 2010. Ft. Myers, Florida.

Recovery of a pine upland forest after clear cut logging. (as *Faculty Mentor*) Authors: **B. Wright, J. Cull, T. Johnson.** . Florida Gulf Coast University Research Day. April 23, 2010. Ft. Myers, Florida.



## POSTERS AND CO-AUTHORED PRESENTATIONS – Ecology *continued*

How trails influence the prevalence of invasive species. (*Faculty Mentor*) Authors: **D. Shepard, J. Regelmann, O. Ochoa**. Florida Gulf Coast University Research Day. April 23, 2010. Ft. Myers, Florida

Differential *Melaleuca* Treatment Effects on Native Seedling Recovery. (as *Faculty Mentor*) Authors: **K. Gazzo, K. Coykendall, M. Lauer, H. Tirpak**. Florida Gulf Coast University Research Day. April 23, 2010. Ft. Myers, Florida.

Impacts of differential *Melaleuca quinquenervia* removal on native tree growth in a pine upland to wetland ecotone at Florida Gulf Coast University. (as *Faculty Mentor*) Authors: J. Ferlita, S. Jackson, J. Talbott, S. Funck, K. Ross. Florida Gulf Coast University Research Day. April 23, 2010. Ft. Myers, Florida.

The effects of a prolonged cold event on native and exotic fish distribution. Co-authors: K. B. Ross, D. W. Ceilley. Florida Gulf Coast University Research Day. April 23, 2010. Ft. Myers, Florida.

[Estero Bay Tributaries Riparian Vegetation Analysis](#). Presented by D.W. Ceilley, co-authors: B. Thomas, and **D. Hamilton**. September 28, 2009. Estero Bay Watershed Symposium. FGCU. Ft. Myers, FL.

Water quality evaluation on the impacts of aeration on deep and shallow wet detention ponds in southwest Florida. Co-authors: M. Lohr, T. Denison, and D.W. Ceilley. Florida Gulf Coast University Research Day. April 24, 2009. Ft. Myers, Florida

The effects of tidal restriction on Mangrove community structure and recovery: post-hurricane disturbance, revisiting the effects of Hurricane Charly (2004) in Sanibel-Captiva, Florida. Co-authors: R.J. Harris., E.C. Milbrandt, and B.D. Bovard. Florida Gulf Coast University Research Day. April 24, 2009. Ft. Myers, Florida.

Babcock Ranch Community baseline biological assessment. Co-authors: D.W. Ceilley, **J. Ferlita, K. Ross, S.B. Jackson, and J. Eastman**. Florida Gulf Coast University Research Day. April 24, 2009. Ft. Myers, Florida.

Aquatic macroinvertebrates of reference and impacted wetlands: Picayune Strand Restoration Project. Co-author: D.W. Ceilley. Florida Gulf Coast University Research Day. April 24, 2009. Ft. Myers, Florida.

A biological monitoring program for the Lake Trafford Restoration Project in Collier County, Florida. Co-author: D.W. Ceilley. Florida Gulf Coast University Research Day. April 24, 2009. Ft. Myers, Florida.

Quantitative Water-use Comparison of an Invasive Tree Species, *Melaleuca quinquenervia*, and two Native Tree Species, *Taxodium distichum* and *Pinus elliottii*. Co-authors: T. Knight, R. Leisure III, B. Bovard. Florida Gulf Coast University Research Day. April 24, 2009. Ft. Myers, Florida.

*Melaleuca* research at Florida Gulf Coast University a multi-disciplined approach to understanding its impacts in SW Florida. Presentation by P. Julian. Co-authors: B. Bovard, B. Brooks, M. K. Cassani, D.W. Ceilley, M. Cruz-Alvarez, N. Demers, A. Hartley, **T. Knight, R. Leisure III**, J. Burch, and M. Main. 13<sup>th</sup> Annual Exotic Species Workshop for Southwest Florida. Florida Gulf Coast University. December 2, 2008. Ft. Myers, Florida.

Lake Trafford Biological Monitoring Phase I, II, and Tape Grass Planting. Presentation by D. Ceilley. Co-author: M. Dessources. Big Cypress SubBasin South Florida Water Management District Governing Board. November 7, 2008. Naples, Florida.

Freshwater inflow and oyster-reef habitat value in Estero Bay, Florida. Presentation by S.G. Tolley, co-authors: B. Bachelor, J. Nelson, J. Evans, R. Miner, L. Haynes, and L. Smith. Estero Bay Science Symposium. Florida Gulf Coast University. November 6, 2008. Ft. Myers, Florida.

Water-use Comparison of the Invasive Tree Species, *Melaleuca quinquenervia*, and two Native Tree Species, *Taxodium distichum* and *Pinus elliottii*, in Southwest Florida. Co-authors: **Knight, T. M.; Leisure, R. M.** and Bovard, B. D. American Geophysical Union, Fall Meeting 2008, [abstract #B31A-0280](#)

## POSTERS AND CO-AUTHORED PRESENTATIONS – Ecology *continued*

A biological monitoring program for the Lake Trafford Restoration Project in Collier County, Florida. Co-authors: **C. Goepel**, D.W. Ceilley, J. DaFrota, M. Dessources, and R.P. Rutter. Greater Everglades Ecosystem Restoration Conference. July 31, 2008. Naples, Florida

Aquatic macroinvertebrates of impacted and reference wetlands of the western Everglades: Picayune Strand Restoration Project. Co-author: D.W. Ceilley. Greater Everglades Ecosystem Restoration Conference. July 31, 2008. Naples, Florida

Tidal influence and its effects on mangrove community structure and recovery post-hurricane disturbance: revisiting Hurricane Charlie (2004) effects on Sanibel-Captiva, FL. R. Harris. Co-authors: B. Bovard, E. Milbrandt. Greater Everglades Ecosystem Restoration Conference. July 29, 2008. Naples, Florida

Estero Bay tributaries riparian vegetation analysis. Co-authors: D.W. Ceilley, **D. Hamilton**, B.L. Thomas, E.C. Pieteron, **R. Leisure III**, **B. Kolhoff**, **J. Key**, G. Wilder, and M.K. Cassani. Greater Everglades Ecosystem Restoration Conference. July 29, 2008. Naples, Florida

Host preference of the Ghost Orchid, *Dendrophylax lindenii*. Co-authors: M. Owens, B. Thomas, C. Pieteron, D.W. Ceilley. 6<sup>th</sup> Annual Florida Gulf Coast University Research Day. April 18, 2008. Ft. Myers, Florida.

Hydrological and vegetation monitoring of the Six Mile Cypress Slough Preserve. Co-authors: **J. Key**, B. Thomas, D.W. Ceilley. Florida Gulf Coast University Research Day. April 18, 2008. Ft. Myers, Florida.

Is Melaleuca really drying up Florida wetlands? Water use in *Melaleuca quinquenervia*, *Pinus elliottii*, and *Taxodium distichum*. Co-authors: B.D. Bovard, and **R.M. Liesure**. 6<sup>th</sup> Annual Florida Gulf Coast University Research Day. April 18, 2008. Ft. Myers, Florida

Estero Bay Tributaries Riparian Vegetation Analysis. Presented by David W. Ceilley. Charlotte Harbor Watershed Summit 2008. Edison College. March 27, 2008. Punta Gorda, Florida

Ichthyofaunal survey of the Caloosahatchee River Oxbows. Presented by John R. Cassani, co-authors K. Watts, D.W. Ceilley. Charlotte Harbor Watershed Summit 2008. March 26, 2008. Edison College, Punta Gorda, Florida

Post-hurricane restoration of Charlotte Harbor red mangrove shorelines: Improving corridors for seasonal fish movement. Presenter: Elizabeth Staugler. Co-authors: T.A. Tattar, D. Scott, J. Greenawalt-Boswell, P. Stevens, R. DeBruler. Charlotte Harbor Watershed Summit 2008. March 26, 2008. Edison College, Punta Gorda, Florida

Using LIDAR and field data to analyze canopy structure in a sand pine forest. Poster. Co-authors: J.J. Angleo, J.F. Weishampel, H. M. Swain. Southern Forestry and Natural Resources GIS Conference. March 24-26, 2008. Orlando, Florida

Estero Bay tributaries Riparian Vegetation analysis. Co-authors: D.W. Ceilley, **D. Hamilton**, B.L. Thomas, E.C. Pieteron, **R. Leisure III**, **B. Kolhoff**, **J. Key**, G. Wilder, and M.K. Cassani. Everglades Coalition Annual Conference. January 10, 2008. Captiva, Florida

Impacts of Hurricane Wilma on an old growth cypress (*Taxodium distichum*) stand on the Fakahatchee Strand State Preserve. 2007. Co-authors: B.L. Thomas, M. Owen, **D. Hamilton**, **R. Liesure III**, **B. Kolhoff**, **J. Hahner**, E.C. Pieteron, **J. Key**, D.W. Ceilley, and M.K. Cassani. Everglades Coalition Annual Conference. January 10, 2008. Captiva, Florida

Host preference of the Ghost Orchid, *Dendrophylax lindenii*. Co-authors: M. Owens, B. Thomas, C. Pieteron, D.W. Ceilley. Everglades Coalition Annual Conference. January 10, 2008. Captiva, Florida

## POSTERS AND CO-AUTHORED PRESENTATIONS – Ecology *continued*

Hydrological and vegetation monitoring of the Six Mile Cypress Slough Preserve. Co-authors: **J. Key**, B. Thomas, **D. Hamilton**, **R. Liesure III**, **C. Wilson**, **B. Kolhoff**, **J. Hahner**, D.W. Ceilley, and M.K. Cassani. Everglades Coalition Annual Conference. January 10, 2008. Captiva, Florida

Is *Melaleuca* really drying up Florida wetlands? Water use in *Melaleuca quinquenervia*, *Pinus elliottii*, and *Taxodium distichum*. Co-authors: B.D. Bovard, and **R.M. Liesure**. Everglades Coalition Annual Conference. January 10, 2008. Captiva, Florida

Fishes and invertebrates as indicators of ecological restoration success. D.W. Ceilley and E.M. Everham III. Everglades Coalition Annual Conference. January 10, 2008. Captiva, Florida

Impacts of Hurricane Wilma on an old growth cypress (*Taxodium distichum*) stand on the Fakahatchee Strand State Preserve. Co-authors: B.L. Thomas, M. Owen, **D. Hamilton**, **R. Liesure III**, **B. Kolhoff**, **J. Hahner**, E.C. Pieterston, **J. Key**, D.W. Ceilley, and M.K. Cassani. 10<sup>th</sup> Annual Florida Gulf Coast University Research Day. April 20, 2007. Ft. Myers, Florida.

Hydrologic monitoring of Six Mile Cypress Slough. Co-authors: **J. Key**, B. Thomas, **D. Hamilton**, **R. Liesure III**, **C. Wilson**, **B. Kolhoff**, **J. Hahner**, D.W. Ceilley, and M.K. Cassani. 10<sup>th</sup> Annual Florida Gulf Coast University Research Day. April 20, 2007. Ft. Myers, Florida.

Riparian vegetation along tributaries to Estero Bay. D.W. Ceilley, **D. Hamilton**, B.L. Thomas, E.C. Pieterston, **R. Liesure III**, **B. Kolhoff**, **J. Key**, G. Wilder, and M.K. Cassani. 10<sup>th</sup> Annual Florida Gulf Coast University Research Day. April 20, 2007. Ft. Myers, Florida.

Aquatic fauna as indicators of Everglades restoration success: fishes and macroinvertebrates. D.W. Ceilley and E.M. Everham III. 10<sup>th</sup> Annual Florida Gulf Coast University Research Day. April 20, 2007. Ft. Myers, Florida.

Oyster reefs as habitat: understanding the role of freshwater inflow in shaping reef communities. Co-authors: S.G. Tolley, A.K. Savarese, L.D. Walls, and C. Linardich. Florida Oyster Reef Restoration Summit. March 14-15, 2007. St. Petersburg, Florida

Hurricane impacts on mangrove forests in southwest Florida. Co-authors: **J. Panepinto**, **E. Sandsmark**. 4<sup>th</sup> Annual Florida Gulf Coast University Research Day. April 21, 2006. Ft. Myers, Florida.

Nutrient dynamics in human-created wetlands in southwest Florida. Co-author: **Jeff Key**. 4<sup>th</sup> Annual Florida Gulf Coast University Research Day. April 21, 2006. Ft. Myers, Florida.

Impacts of Hurricane Wilma on the Florida Gulf Coast University campus ecosystem. 4<sup>th</sup> Annual Florida Gulf Coast University Research Day. April 21, 2006. Ft. Myers, Florida.

Quantification of nutrient Dynamics in human-created wetlands in southwest Florida. Co-author: **Jeff Key**. Estero Bay Agency on Bay Management. Southwest Florida Regional Planning Council. April 4, 2006. Ft. Myers, Florida

Multivariate analysis of spatial variability of oyster-reef communities: the influence of salinity. First author: S.G. Tolley, co-authors: A.K. Volety, M. Savarese, **L.D. Wells**, C. Linardich, National Shellfisheries Association meeting. March 26-30, 2006. Monterey, California.

Non-indigenous fishes in Caloosahatchee River oxbows. Presented by J. Cassani. Co-authors: K. Watts, and **C. Bender**. Annual Meeting. Florida Chapter of the American Fisheries Society 2006. February 22, 2006. Altoona, Florida.

## POSTERS AND CO-AUTHORED PRESENTATIONS – Ecology *continued*

Impact of Wildfire on *Melaleuca* Survival and recolonization in restored habitats. Co-authors: M.K. Cassani, B. Brooks-Solveson, M.G. Brown, **A. Matonis, C. White**. 3<sup>rd</sup> Annual Florida Gulf Coast University Research Day. April 22, 2005. Ft. Myers, Florida.

Analysis of a large data set from a citizen science frog monitoring program. Co-authors: E.C. Pieterston, L. Addison, J. Agobian, B. Brooks-Solveson. 3<sup>rd</sup> Annual Florida Gulf Coast University Research Day. April 22, 2005. Ft. Myers, Florida.

Adapting Restoration to Disturbance: Wildfire impacts on wetland and upland restoration and invasive exotic control. M.K. Cassani. Co-authors: B. Brooks-Solveson, M.G. Brown, **A. Matonis, C. White**, and E.M. Everham III. First National Conference on Ecosystem Restoration. December, 2004. Orlando, Florida..

Establishment of a Forest Dynamics Plot on a Pine Upland in the Corkscrew Regional Ecosystem Watershed Land Trust. Poster, with M.K. Cassani and D. Hanson. 3<sup>rd</sup> Annual FGCU Research Symposium. April 23, 2004. Ft. Myers, Florida.

The impact of the invasive exotic *Melaleuca quinquenervia* on the recruitment of native tree species. Poster, with M.K. Cassani, and B. Brooks-Solveson. 2<sup>nd</sup> Annual FGCU Research Symposium. April 25, 2003. Ft. Myers, Florida.

Dynamics of an exotic invaded south Florida forest: a long-term study plot of the Florida Gulf Coast University campus. Poster, with M.K. Cassani, and **H. Wegis**. 1<sup>st</sup> Annual FGCU Research Symposium. April 26, 2002. Ft. Myers, Florida.

A geographically-based ecosystem model and its application to hurricane impacted watersheds in the Luquillo Experimental Forest, Puerto Rico. Poster with C.A.S. Hall, F.N. Scatena, M.R. Taylor, W.D. Ravenscroft. NSF Long-Term Ecological Research All Scientists Meeting. September, 1993. Estes Park, Colorado.

Spatial patterns of hurricane damage to a wet subtropical forest in Puerto Rico. Poster with J.K. Zimmerman and R. Myster. Conference on wind and wind-related damage to trees. July, 1993. Edinburgh, Scotland.

Seed germination of an early successional tropical forest species: *Cecropia schreberiana*. Oral presentation by **E. VanDeGenachte**. Association for Tropical Biology Annual Meeting. June, 1993. San Juan, Puerto Rico.

Hurricane damage to a 16 hectare plot of low montane forest in Puerto Rico: implications for tropical tree life histories. Oral presentation by J.K. Zimmerman, with R.B. Waide. Association for Tropical Biology Annual Meeting. June, 1993. San Juan, Puerto Rico

The Big Grid Hurricane Recovery Plot. Poster. Luquillo Experimental Forest Long Term Ecological Research Site Annual Meeting. January, 1993. Catalina Ranger Station, Puerto Rico.

FORGROW: A physiologically-based forest growth model. Poster. 1993 Luquillo Experimental Forest Long Term Ecological Research Site Annual Meeting. January, 1993. Catalina Ranger Station, Puerto Rico.

Modeling microclimate from a geographical information system. Poster with K.M. Wooster. Ecological Society of America Annual Meeting. August, 1992. Honolulu, Hawaii.

Modeling forest growth response to global climate change. Poster. Ecological Society of America Annual Meeting. August, 1992. Honolulu, Hawaii.

Modeling natural disturbance on the Luquillo Experimental Forest. Poster, with **N. Pederson**, and **J. Sahn**. Ecological Society of America Annual Meeting. August, 1992. Honolulu, Hawaii.

## POSTERS AND CO-AUTHORED PRESENTATIONS – Ecology *continued*

Development of a spatially-sensitive watershed model for the Bisley Experimental Watershed. Oral presentation by C.A.S. Hall. Luquillo Experimental Forest Long Term Ecological Research Site Annual Meeting. January, 1992. Catalina Ranger Station, Puerto Rico.

Changes in ecosystem structure as a result of hurricanes. Oral presentation by C. Gresham, with T. Williams, D. Lipscomb, N. Brokaw, and D. China. Ecological Society of America Annual Meeting. August, 1991. San Antonio, Texas

Natural disturbance simulation in the Luquillo Experimental Forest, Puerto Rico. Oral presentation by **N. Pederson**, with **J. Sahn**. Simulation MultiConference. April, 1991. New Orleans, Louisiana.

TOPOCLIM: a landscape climate simulator. Poster, with K.M. Wooster, and C.A. Hall. Luquillo Experimental Forest Long Term Ecological Research Site Annual Meeting. January, 1991. Rio Piedras, Puerto Rico.

Spatial variation of hurricane impacts and forest response to disturbance. Poster, with R. Waide, N. Brokaw, and J. Lodge. Luquillo Experimental Forest Long Term Ecological Research Site Annual Meeting. January, 1991. Rio Piedras, Puerto Rico.

Consolidating Luquillo Experimental Forest information using a geographical information system. Poster, with C.A.S. Hall. Long-Term Ecological Research Program All-Scientists Meeting. September, 1990. Estes Park, Colorado.

Establishment of the Big Grid. Poster, with R. Waide, N. Brokaw, and J. Lodge. Long-Term Ecological Research Program All-Scientists Meeting. September, 1990. Estes Park, Colorado.

Modeling mesoclimate over a complex montane landscape. GSA Annual Poster Session. State University of New York College of Environmental Science and Forestry. May, 1990. Syracuse, New York.

A mesoscale climate model for Luquillo Forest LTER. Oral presentation by C.A.S. Hall, with K.M. Wooster. Luquillo Experimental Forest Long Term Ecological Research Site Annual Meeting. January, 1990. Rio Piedras, Puerto Rico.

Undergraduate co-authors in **bold**

## **PEDAGOGY PUBLICATIONS** - *Undergraduate co-authors in bold*

Peer-reviewed publications: (6) also see ECOLOGY PUBLICATIONS

Gunnels IV, C.W., B. Bovard, D. Buzasi, M. K. Cassani, J. Douglass, E.M. Everham III, A. Hartley, J. Herman, M. Mujtaba, J. Muller, **K. Nelson**, A. Nicolas, L. Southard, S. Thomas, and N.E. Demers. In press. Engaging students in ethical considerations of the scientific process through a simulated funding panel. *CUR Quarterly*.

Sullivan, B and E.M. Everham III. 2004. Life at the Boundaries. *Interdisciplinary Literary Studies*. 5(2): 1-15.

Tolley, S.G., M.R. McDonald, E.M. Everham III, and M. Savarese. 2002. The Campus Ecosystem Model: Teaching Students Environmental Stewardship. *Journal of College Science Teaching*. 31(6): 364-369.  
[http://www.nsta.org/main/news/stories/college\\_science.php?news\\_story\\_ID=46684](http://www.nsta.org/main/news/stories/college_science.php?news_story_ID=46684)

Everham, E.M., III. 1995. Is this science? Ecology 101. *Bulletin of the Ecological Society of America*. Ecology 101: 7(3).

Smallidge, P.J., and E.M. Everham III. 1994. Motivating students to participate in a discussion-format course. Ecology 101. *Bulletin of the Ecological Society of America*. 75(3): 164-165.

Everham, E.M., III, and P.J. Smallidge. 1994. Strategies for the academic job hunt. *Bulletin of the Ecological Society of America*. 75(4): 288-291.

## Curricula Manuals: (4)

Schmidt, D.L., E. Everham, T. Couch, L. Southard, D. Szyrka. 2007. Project LAUNCH: Geospatial Summer Institute Instructor's Manual. The Whitaker Center for Science, Mathematics, and Technology Education, Florida Gulf Coast University, and The Florida Space Research Institute.

Hammond, W.F. (Ed). 2004. An Instructional Guide for Everglades Restoration Study: Activities and Case Study Approaches. Co-authors: M.K. Cassani, E. M. Everham, C. Sweeney, M. Savarese. Student contributors: **C. Anderson, S. Cone, C. Gerwitz, B.P. Hollinshead, C. Owen, K. Robinson, S. W. Robertson**. South Florida Water Management District.

Price-Henry, D., J. Hart, and E.M. Everham III. 1998. "Are Humans Dinosaurs, an Asteroid, or Both? A Study of the Methods and Goals of Science" Instructor's Manual. Coalition for Science Literacy.

Everham, E.M. III, P.S. Rand, and C.A.S. Hall. 1991. Systems Ecology Laboratory Manual: An Introduction to Computer Programming in Ecology. State University of New York. Syracuse.

## Curricula Proposals:

Bondehagen, D., B. Bovard, W. Everham, E. Otto, and A. Volety. 2008. Proposal: Honors *Ecological and Environmental Citizenship* Track. Florida Gulf Coast University.

Gray-Vickrey, P., C. Andrews, S.I. Bevins, T. Bevins, P.B. Corcoran, C. Duff, E.M. Everham III, M. Gonzales, B. Hobbs, C. Pieteron, J. Ravelli, L. Summers, A. Warren, and M.A. Zager. 2005. Developing an Ecological Perspective and Fostering Community Involvement: The Quality Enhancement Plan for Florida Gulf Coast University. Florida Gulf Coast University.

Everham E.M., III, and J.A. Jackson. 2002. Proposal: Master of Science Degree in Environmental Science. Florida Gulf Coast University, College of Arts and Sciences, Division of Ecological Studies.

## **PEDAGOGY PUBLICATIONS - *continued***

### Curricula Assessment

Everham, E.M., III. 2007. BA Environmental Studies Seven-Year Program Review. Florida Gulf Coast University.

Everham, E.M. III. 2002. Program Review for Earth Systems Science (Marine Sciences) and Environmental Studies. Florida Gulf Coast University.

### Conference Proceedings:

Davis, S.W., W. Hammond, E. Everham, R. Anderson. 2006. Campus Naturalist: A Business-University Partnership. Proceedings of the National Interpreters Workshop. November 7-11, 2006. Albuquerque, New Mexico.

### Project Reports:

Forbes, K. and E.M. Everham III. 2017. External Review of Graduate Liberal Studies Program University of North Carolina Wilmington

Banyan, M., C. Carter, S. Drew, A. Evans, W. Everham, D. Harrison, and S. Komisar. 2013. Faculty Select Panel on University Growth and Academic Quality A Report to the FGCU Faculty Senate. Florida Gulf Coast University.

Academic Job Hunt Manual. 1994. E.M Everham III and P.J. Smallidge. State University of New York, College of Environmental Science and Forestry.

Everham, E.M., III. 1988. Final Report: Pre-Service Teacher Training July 9 – September 21, 1988. US Peace Corps. Lilongwe, Malawi.

### Popular Press:

Everham, W. 1991. Professors in Training. *Focus on Instruction* - events, issues, and ideas on teaching and learning at SUNY-ESF. Winter 1991

## **ORAL PRESENTATIONS – Science Pedagogy and Environmental Education (23)**

[Swamp Walks: Connecting People to the Landscape of Southwest Florida](#). Co-authored with B. Thomas. Charlotte Harbor Watershed Summit: Showcasing Our Accomplishments Punta Gorda, March 28-30, 2017

Preaching to the Choir. Innovations in Environmental Education. The Environmental Education Alliance of Southwest Florida. 3rd Annual Fall Conference. Florida Gulf Coast University. October 4, 2016.

FGCU Campus as a Living Laboratory. Co-presented with C.W. Gunnels IV. League of Environmental Educators in Florida. March 21, 2015 Spring Mini-conference. Archbold Field Station.

Fostering Cultural and Ecological Sustainability through Interdisciplinarity. Co-presenter, Patricia Fay. Humanities and Sustainability Conference, October 8-9, 2010. Florida Gulf Coast University. Ft. Myers, FL.

The Campus Ecosystem Model: A Framework for Campus-based Undergraduate Research. Co-authors: S.G. Tolley, J. Kakareka, and M. Savarese. Engagement in Undergraduate Research Symposium. University of Central Florida. September 26-27, 2008. Orlando, Florida.

Scientific Process: the entry course for a two-year research plan for undergraduate students. First author: N. Demers, co-presenters: M. Meers, M. Savarese. Engagement in Undergraduate Research Symposium. University of Central Florida. September 26-27, 2008. Orlando, Florida.

## **ORAL PRESENTATIONS - Science Pedagogy and Environmental Education *continued***

Citizen Science: Frog Listening Network. 2005. Ecotour Operator Series Workshop. Rookery Bay National Estuarine Research Reserve. September 15, 2005. Naples, Florida.

Biomagnification: You are what you eat but don't excrete. 2005. Co-presented with Jon Akin, Terry Davin, Evelyn Gaiser, Amanda McConney, and Courtney Richmond. FIRST II National Meeting. Kellogg Biological Station, Michigan. May 13-15, 2005

Developing and delivering Scientific Process: an interdisciplinary core natural science course. Co-author: M. Cruz-Alvarez. 16<sup>th</sup> International Conference on College Teaching and Learning. April 2, 2005. Jacksonville, Florida.

Everglades Education and Environmental Programs at Florida Gulf Coast University. Everglades Education Consortium. Florida Gulf Coast University. Ft. Myers, Florida. September 29, 2003.

Interdisciplinary Science Programs. Workshop with M. Savarese. Project Kaleidoscope F21 National Assembly. October, 2002. Washington, D.C.

Environmental Education at Florida Gulf Coast University. Florida Association of Environmental Professionals. Southwest Florida Chapter. August 28, 2001. Ft. Myers, Florida.

Florida Gulf Coast University's Campus Ecosystem Model: A framework of interdisciplinary learning.. Co-authored with: G. Tolley, M. Savarese, and J. Kakareka. 15th National Conference on Undergraduate Research, NCUR 2001. March 15, 2001. Lexington, Kentucky.

FGCU Programs. Panel discussion with J. Kakareka and J. Jackson. Land and Water use for the New Millennium. 10<sup>th</sup> Annual Southwest Florida Water Resources Conference. December 1, 2000. Ft. Myers, Florida.

The Campus Ecosystem Model. Co-authored with Greg Tolley. 21<sup>st</sup> Annual Association for Integrative Studies Conference. September 30, 1999. Naperville, Illinois.

Connecting Sciences and Humanities: A Team-Taught Course in Environmental Literature. Team Presentation with Brad Sullivan. Part of "Integrating Arts and Sciences Learning at FGCU: A 'Progress Report.'" The Tenth Annual International Conference on College Teaching and Learning. April, 1999. Jacksonville, Florida.

The FGCU Story. Team presentation with: N. Demers, J. Kakareka, M. McDonald, and G. Tolley. Creating and Sustaining Learning Communities: Connections, Collaboration, and Crossing Borders" (Learning Communities Conference), University of South Florida. March, 1999. Tampa, Florida.

On-line collaboration with message boards. Panel discussion with N. Demers and T. Valesky. Luncheon Seminar Series. Florida Gulf Coast University. March 16, 1998. Ft. Myers, Florida.

Deep Ecology and Social Ecology: Peace and the Planet Earth (with Justin Askins). Peace Studies Week, Radford University. February 5, 1996. Radford, Virginia.

Internationalizing Environmental Studies. President's Forum on Internationalizing the Curriculum. Radford University. November 8, 1994. Radford, Virginia.

The Mathematics and Science Enrichment Center (panel presentation with: I. Liss and M. Aylesworth). Blue Ridge Association of Mathematics Instructors. Math Science Center. October 16, 1995. Roanoke, Virginia.

Team Teaching (with S. Woodward). Forum on Curriculum Issues. Center for Teaching Excellence. Radford University. April 4, 1995. Radford, Virginia.

Beyond technocratic hegemony: scientists, policy makers, and computers in the post-modern era. Co-presenter: W. Aikman. Shifting Paradigms in Science and the Environment. SUNY ESF. Syracuse, New York. April 17, 1993.



## POSTERS AND CO-AUTHORED PRESENTATIONS - Science Pedagogy and Environmental Education

(19 - 13 undergraduate co-authors)

[Cross-curricular integration of the Florida Gulf Coast University campus as a living laboratory](#). Oral presentation by Brian Bovard. Co-authors: M.I. Abercrombie, K. Byrne-Bailey, N. Creagan, D. A. Croshaw, R. E. Cross, N. E. Demers, E. M. Everham III, C. Evers, L. Frost, A. Goebel, C.W. Gunnels IV, J. Herman, R. Holtzclaw, J. Kakareka, S. Komisar, K. Lefevre, K. Leone, J. H. MacDonald, V. McConnell, J. Phillips, R. Pires, M. Savarese, H. Skaza-Acosta, B. Thomas, S. Thomas, S.G. Tolley, H. Urakawa, H. Urakawa, M. Voytek, H. Walsh-Haney 2017 Charlotte Harbor Watershed Summit: Showcasing Our Accomplishments. March 28-30, 2017. Punta Gorda, Florida.

Chamber of Commerce Environment Day: a service learning environmental education project. Poster. E.M. Everham III, M.K. Cassani and M. Muller. Community-Engaged Scholarship Symposium. FGCU. February 16-17, 2017. FGCU. Ft. Myers, FL.

Citizen Science - Service Learning - and Frog Communities in Southwest Florida. Poster. E.M. Everham III, M. Bonness, J. Cassani, D.W. Ceilley, J. Conrad, D.A. Croshaw, **A. Cutler, S. DeBarr, A. Elliott, V. Fields**, C.W. Gunnels IV, S.B. Jackson, D. Kern, **K. Koszela, K. Secco**, A. Shaw, **M. Sleeper**, D. Van Norman, and M. Whitmer. Community-Engaged Scholarship Symposium. FGCU. February 16-17, 2017. FGCU. Ft. Myers, FL.

Ecological State of the FGCU Campus: 1996-2016. Poster. K. Lefevre and E.M. Everham III. University Colloquium Chataqua, September 30, 2017. Ft. Myers, Florida.

Florida Gulf Coast University Service Learning: Facilitating Undergraduate Environmental Community Projects in Southwest Florida. Co-authors: Rhea, J. Allman, P. Bovard, B., A. Chomey, J. Cudjoe, S. Davis, N. Demers, K. DeWelde, J. Drummond, A. Elgart, N. Foote, and D. Green. Charlotte Harbor Watershed Summit: Our Vision in Action. March 25-27, 2014. Punta Gorda, Florida.

Funding Panel Simulation in The Scientific Process course. Co-authors. Gunnels IV, C.W., Mujtaba M., Bovard B., Cassani M.K., Demers N., Douglass J., Fugate D., Green D., Griffis J., Hartley A., Herman J., Muller J.A., Rumbold D., Thomas S., and Volety A. Pre-ISSOTL Conference CUR Symposium. 2013. Rayleigh, NC

Funding panel simulation in the Scientific Process course. Co-authors: C.W. Gunnels IV, M. Mujtaba, B. Bovard, M.K. Cassani, N. Demers, J. Douglas, D. Fugate, D. Green, J. Griffis, A. Hartley, J. Herman, L. Muller, D. Rumbold, and S. Thomas. 2013. (Faculty Teaching Award)

Preservation of Undergraduate Research through the Creation of Senior Research Classes at Florida Gulf Coast University. Co-authors: C.W. Gunnels IV, B. Bovard, N. Demers, and, A.N. Loh. Conference on Undergraduate Research. 2011. University of Central Florida. Orlando, Florida.

Development of Interpretive nature trails for sustainable ecotourism in St. Lucia. Co-authors: **L. Collier, A. Aguayo, A. Applegate, E. Challinor**, and **M. Hunt**. Florida Gulf Coast University Research Day. April 21, 2011. Ft. Myers, Florida.

Sustainable Solutions to Environmental Issues: Cross-cultural sustainability training through interdisciplinary studies. Presenter: S. Thomas. Co-author: Peter Corcoran. . Humanities and Sustainability Conference, October 8-9, 2010. Florida Gulf Coast University. Ft. Myers, FL.

Development of an ecological pamphlet for the Florida Gulf Coast University's Campus Nature Trails. Co-author: J. Phillips. Florida Gulf Coast University Research Day. April 23, 2010. Ft. Myers, Florida

Participation in Authentic Science: Research in the Classroom as a Teaching Tool. Co-authors: A.M. Goebel, and B. Bovard. Second Annual Florid Statewide Symposium: Engagement in Undergraduate Research. September 25-26, 2009. University of Central Florida. Orlando, FL.

Know your native plants: a sense of place at FGCU. Co-author: **B. Kolhoff**. Florida Gulf Coast University Research Day. April 24, 2009. Ft. Myers, Florida.

## POSTERS AND CO-AUTHORED PRESENTATIONS - *continued*

The use of original scientific research in the classroom setting as a teaching tool. Co-authors: A. Goebel and B. Bovard. Florida Gulf Coast University Research Day. April 24, 2009. Ft. Myers, Florida.

The Caribbean Food Festival: An interdisciplinary framework for course-based undergraduate research. Co-authors: P. Fay and J. Wisdom. Engagement in Undergraduate Research Symposium. University of Central Florida. September 26-27, 2008. Orlando, Florida.

Campus Naturalist: A business-university partnership. 2006. Presented by Sarah W. Davis. Co-authors: W. Hammond, M.K. Cassani, R. Anderson. National Interpreters Workshop. November 7-11, 2006. Albuquerque, New Mexico.

Revision of Scientific Process: an interdisciplinary core science course. Poster, co-authors: M. Cruz-Alvarez, M. Savarese, N. Demers, A. Voley, J. Kakareka, and J. Barreto. FIRST II National Meeting. Kellogg Biological Station, Michigan. May 13-15, 2005

Scientific Process: An Interdisciplinary Core Natural Science Course as a Mechanism for Faculty Collaboration. Poster, with: M. Savarese, N. Demers, E.M. Everham III, A. Voley, J. Kakareka. Geological Society of America Annual Meeting. November 7-10, 2004. Denver, Colorado. Abstracts with Programs 36(5): 192.

Florida Gulf Coast University' "Campus Ecosystem Model": A Programmatic Framework for Teaching Earth-System and Environmental Sciences. S.G. Tolley, M. Savarese, and E.M. Everham III. 1998. EOS, Transactions, American Geophysical Union. 79(17): S8. Boston, Massachusetts.

Undergraduate co-authors in **bold**

## GRADUATE STUDENTS SUPERVISED (17)

- Metcalf, M. 2017. Spatial ecology of the Eastern Indigo Snake (*Drymarchon couperi*) at the Rokkery Bay National Estuarine Research Reserve in Southwest Florida. MS Thesis. Florida Gulf Coast University
- Kory C. Ross, Kory M. 2016. Factors Affecting the Restoration of *Vallisneria americana* in the Caloosahatchee River. MS Thesis. Florida Gulf Coast University
- Charlebios, Ashley M. 2016. The Impact of Service Learning on Environmental Perspective at Florida Gulf Coast University. Co-Advised with Kim Charmatz. MS Thesis. Florida Gulf Coast University
- Ferlita, John A. 2014. Ecological Indicators of Restoration Success: Zooplankton as Indicators of Lake Changes in a Dredged Southwest Florida lake. MS Thesis. Florida Gulf Coast University
- Jackson, S. Brent. 2013. Home range size and habitat use of the Eastern Indigo Snake (*Drymarchon couperi*) at a disturbed agricultural site in south Florida. MS Thesis. Florida Gulf Coast University.
- Young, Ryan W. 2013. Ecological indicators of restoration success: fish community distribution, composition, and sampling strategies within the Picayune Strand Restoration Project. MS Thesis. Florida Gulf Coast University.
- Staugler, Elizabeth, A. 2011. Post-hurricane restoration of a red mangrove shoreline in the Charlotte Harbor Estuary, Florida: evaluating recovery techniques. MS Thesis. Florida Gulf Coast University.
- Phillips, Jessica D. 2010. Analysis of *The University Colloquium*: developing students' ecological perspective. MS Thesis. Florida Gulf Coast University.
- Julian II, Paul. 2010. Habitat selection by the Florida panther in response to *Melaleuca* removal within Big Cypress National Preserve. MS Thesis. Florida Gulf Coast University.
- Dixon, Alicia D. 2009. Anuran use of natural wetlands, created pools and existing canals within the Picayune Strand Restoration Project. MS Thesis. Florida Gulf Coast University.
- Thomas, Brenda, L. 2009. Succession of the plant communities of Fakahatchee Strand following anthropogenic disturbances. MS Thesis. Florida Gulf Coast University.
- Harris, Rachel. J. 2008. The effects of tidal restrictions on mangrove community structure and recovery post-hurricane disturbance: Revisiting Hurricane Charley (2004) effects on Sanibel-Captiva, FL. MS Thesis. Florida Gulf Coast University.
- Brooks, Brenda. 2008. Impacts of a wildfire on southwest Florida wetland and upland habitats invaded by the Australian paperbark tree, *Melaleuca quinquenervia*. MS Thesis. Florida Gulf Coast University.
- Holzclaw, Rhonda J. 2008. Does fire history influence the severity of hurricane impacts on a pine scrub ecosystem? MS Thesis. Florida Gulf Coast University.
- Burr, Derek. 2008. Impervious Surface Analysis of the Estero Bay Watershed in Lee County, Florida. MS Thesis. Florida Gulf Coast University.
- Coventry-Paine, Laurie. 2007. The Lived Experience of University Colloquium. MS Thesis. Florida Gulf Coast University.
- Kaufman, Kevin B. 2006. Catastrophic wind damage and its effect on forest ecosystems in southwest Florida. MS Thesis. Florida Gulf Coast University.

## GRADUATE STUDENTS COMMITTEE PARTICIPATION (25)

Kucherenko, Alexander Y. 2016. Terrestrial snake environmental DNA accumulation and degradation dynamics and its environmental application. MS Thesis. Florida Gulf Coast University.

Lucius, Mark. 2016. A Water and Nutrient Budget for Lake Teafford, FL, USA. MS Thesis. Florida Gulf Coast University.

Youngberg, Melissa C. 2015. A Qualitative Study of Three Outdoor Environmental Education Programs in Pasco and Hillsborough Counties in Florida. Education Specialist Degree. Florida Gulf Coast University.

McAskill, Shannon. 2015. Interactive effects of environmental stressors and invasive apple snail, *Pomacea maculata*, on submergent vegetation in fresh and brackish water. MS Thesis. Florida Gulf Coast University.

LeGros, Nicole M. 2014. Human preference for the use of simple signals by dogs. MS Thesis. Florida Gulf Coast University.

Wasno, Robert M. 2014. Investigation of trophic transfer from oyster reefs to predatory fish. MS Thesis. Florida Gulf Coast University.

Olson April L. 2014. Evaluating Public Support for Local Climate Adaptation Policies and Planning: a Case Concerning Lee County, Florida. MA Thesis. Florida Gulf Coast University.

de Witt, Derek W. Tidal and lunar influences on sea turtle emergence patterns in Ada Foah, Ghana. MS Thesis. Florida Gulf Coast University.

Chomey, Ariel. 2014. The Effect of Human-Pet Interactions on Environmental Attitudes, Conservation Habits, and Scientific Knowledge. MS Thesis. Florida Gulf Coast University.

Talbot, Jeff, W. 2013. Determining Improved Water Quality Targets with Sparse Data: Dissolved Oxygen in Southwest Florida Impaired Waterbodies. MS Thesis. Florida Gulf Coast University.

Evans, Betsy A. 2013. Dynamics of a problematic vulture roost in southwest Florida and responses of vulture to roost-dispersal management efforts. MS Thesis. Florida Gulf Coast University.

Funck, Sarah A. 2013. Feeding ecology and potential impacts of an introduced Iguanid (*Ctenosaura similis*). MS Thesis. Florida Gulf Coast University.

Huss, Steven, L. 2012. Quantifying transpiration and evapotranspiration in a slash pine (*Pinus elliotii*)/cabbage palm (*Sabal palmetto*) dominated habitat in the Florida Panther National Wildlife Refuge. MS Thesis. Florida Gulf Coast University.

Rasnake, Erin, C. 2011. Relationship between seasonal and spatial variation of contaminants and other stressors, on the health and physiology of oysters (*Crassostrea virginica*) in Estero Bay estuary, Hendry Creek, Florida. MS Thesis. Florida Gulf Coast University.

Naccarato, Andrea M. 2011. The genetic structure of black spiny-tailed iguanas (*Ctenosaura similis*) introduced to Keewaydin Island, Florida. MS Thesis. Florida Gulf Coast University.

Burgerhoff, Geoffrey C. 2010 Influence of agency interventions to reduce residential water use in drought conditions, Collier County Florida, USA. MS Thesis. Florida Gulf Coast University.

Agobian, Jorge, N. 2010. The impact of water management practices in the Caloosahatchee River: mollusk assemblages as indicators of environmental change. MS Thesis. Florida Gulf Coast University.

Blanco, Alison. 2009. The affect of fire o Florida Panther (*Puma concolor coryi*) den site selection. MS Thesis. Florida Gulf Coast University.

## GRADUATE STUDENTS COMMITTEE PARTICIPATION - *continued*

Cassani, Mary Kay. 2008. Impact of scale-up on science teaching self-efficacy of students in general education science courses. Ed.D. Dissertation. University of Central Florida.

Roberts, Dona. 2008. Educating for the total environment: voices of Brazilian women environmental educators – implications for environmental education discourse. MS Thesis. Florida Gulf Coast University.

Smith, Brad. 2008. Productivity and nest habitat preference of the Snowy Plover (*Charadrius alexandrinus*) on Sanibel Island, Florida. MS Thesis. Florida Gulf Coast University.

Davis, Sara. 2007. Assessing the benefits of environmental education and the impact on environmental literacy among exiting fifth graders across economic and participation spectrum of Lee County Public Schools, southwest Florida. MS Thesis. Florida Gulf Coast University.

Addison, Lindsey, M. 2007. Least tern (*Sterna antillarum*) colony characteristics and reproductive success on beaches and rooftops in southwest Florida. MS Thesis. Florida Gulf Coast University.

LaVega, Ernesto, L. 2004. Awareness, knowledge, and attitudes about environmental education responses from environmental specialists, high school instructors, students, and parents. Ed.D. Dissertation. University of Central Florida.

Egana, John. 2005. A description of a staff development program: preparing the elementary classroom teacher to lead environmental field trips and to use an integrated subject approach to environmental education. Ed. D. Dissertation. University of Central Florida.

**UNDERGRADUATE SENIOR RESEARCH PROJECTS MENTORED (171)** – some posters had co-authors who were not completing their senior research

Nitrogen cycling in a submerged aquatic plant: determining the value of *Vallisneria americana* as a nitrogen sequester. Cory Liang. BA Environmental Studies. Spring 2017

Sixteen years of the Southwest Florida frog monitoring network. Kayla Koszela. BA Environmental Studies. Spring 2017.

Changes in Anuran Populations and Communities in Southwest Florida over 17 years (2000-2016). Alexandra Elliot. BA Environmental Studies. Spring 2017.

A History of Ecological Change to the Calusa Nature Center and Planetarium 105 acre Site Through Aerial Analysis and Qualitative Interview Data. Morgane Sleeper. BA Environmental Studies. Fall 2016.

Time spent among captive adolescent male giraffes at the Naples Zoo (*Giraffa camelopardalis*). Kristen Peterson. Fall 2016.

The impact of removal of *Melaleuca quinquenervia* on the growth of native trees: slash pine (*Pinus elliotii*) and pond cypress (*Taxodium ascendens*). Victoria Adams and Jesse Shelton. BA Environmental Studies. Fall 2016.

FGCU Forest Plot study of tree growth and loss. Irma Sanchez. BA Environmental Studies. Spring 2016.

FGCU Forest Plot Dynamics: estimating the carbon stock of a one-hectare forest plot by comparing results from different allometric equations. BA Environmental Studies. Spring 2016.

Hydrology Interrupted: an investigation into the potential negative impacts of development of Florida Gulf Coast University's South Village housing on local hydrology. Deidra Goodwin. Spring 2016 (so-advised with Jamie MacDonald).

Box Turtle range and habitat use on the Sanctuary Golf Course, Sanibel Island, FL. Natasha Gibson. BA Environmental Studies. Fall 2015.

How non-native grass carp (*Ctenopharyngodon idella*) have influenced the pond weed (*Potamogeton illinoensis*) populations in North Lake, FGCU. Nic DeFilippo and Kyle Rossin. BA Environmental Studies. 2015.

The effects of temperature on Melanin production in *Gambusia holbrooki* in Florida Gulf Coast University lakes. Eleisia Gomez and Asya Ramos. 2015.

The effect of temperature on calling intensity of SW Florida anurans. Hugo Drago, Jr. 2015.

Remeasurment of a Forest Dynamics Plot on a pine upland in the CREW Landtrust: Toward an estimate of carbon sequestration. Cameron Horton. BA Environmental Studies. 2015.

An aquatic investigation on the collapse of pondweed (*Potamogeton illinoensis*) growth within Miromar/North Lake, Lee County, FL. Nicholas B. Sekas, Kyle Rossin, and Nicholas DeFilippo. BA Environmental Studies. 2015.

Size-selectivity of an ULV aerial application of Dibrom® on non-target flying insect communities in mangrove and open marsh wetlands of southwest Florida. Jessica Berman. BS Biology. 2015

Spatial Pattern of Gopher Tortoise (*Gopherus polyphemus*) Burrows at Bowditch Point. Kelly Ussia, BA Environmental Studies. Co-mentored with Terry Cain. 2015.

Remeasurement of a long-term forest growth plot following hurricane disturbance in the Fakahatchee Strand Preserve State Park. Daniela Alvarez, Angelic Herrera, Brian O. Morales, and Blaine Small. 2015

## UNDERGRADUATE SENIOR RESEARCH PROJECTS MENTORED – *continued*

Impacts of the aerial adulticide Dibrom using ultra low volume (ULV) spray technology on non-target communities in mangrove and open marsh wetlands. Kathrine Nelson. Oral presentation. 2014.

Determining the effects of the insecticide Dibrom on non-target species *Apis mellifera*. Solveig Poynter. 2014.

Impact of ultralow-volume Dibrom aerial spray on family *Certoponidae* in marsh and mangrove habitats. Ian McPherson. 2014.

How does non-target species richness vary between habitats and sites (treatment and control) before and after spray event? Ronica Elmi. 2014

Gopher tortoise burrows (*Gopherus polyphemus*) at Bowditch Point. Kelly Ussia, BS Biology. Co-mentored with Terry Cain. 2014.

Comparison of Vegetative Habitats in Lake Trafford. Matt Bolton. 2014

Variations in Growth Rate of Slash Pine (*Pinus elliottii*) in Southwest Florida: Toward Estimating Carbon Bank Potential. Sarah Page. 2014

A Comparison of Surveys for Measuring Environmental Attitudes at Florida Gulf Coast University. Jenny Nys. 2014.

Determining Species-Specific Detection Probabilities for Anurans during Frog Call Monitoring Events in Lee County, Florida. Chris Olteanu. 2014.

Developing an informal environmental education program to reconnection children to animals and nature Adam Pottruck. 2013.

The efficacy of visitor based data collection and online forum on natural resource management. Clayton Hansen. (Co-advised with John Herman). 2013.

Bromeliad Distribution in Southwest Florida: A comparison of distribution in Florida Gulf Coast University cypress domes. Sabrina Perri, Courtney Tateo, Andrew Stansell, Joseph Angius, & Logan Arbuckle. (Co-advised with Brian Bovard) 2013

Efficiency of corral traps to control feral hog populations in Estero Bay Buffer Preserve, FL, USA. Justin Lamb and Jon Webb. 2013

Use of Wildlife Cameras for Research and Management of the Ghost Orchid *Dendrophylax lindenii*. Wendy Mazuk. 2013

Attitudes and policy on SWFL Pond Management. LuLaura Garie, Kathryn Hicks, and Rajiv Khanni. (Co-advised with Serge Thomas). 2013

An inventory of alligator populations and movement on the Florida Gulf Coast University campus. Gregory Kosik. 2013

Pilot study of attitudes toward indoor versus outdoor exercise. Crystal Marietta. 2013

Timber inventory and management options for a south Florida slash pine (*Pinus elliottii* var. *densa*) plantation at the CREW Wildlife and Environmental enter. Kyle Fabbro. 2013

Recycling habits of college dorm students at Florida Gulf Coast University. Danielle Faller. 2013

## UNDERGRADUATE SENIOR RESEARCH PROJECTS MENTORED – *continued*

Comparison of methods for analyzing anuran call intensity data: implications for detecting change through time. Joan Firth 2013 (Marine and Ecological Science Honorable Mention)

Dietary analysis of the cane toad (*Bufo marinus*) in a southwest Florida ecosystem. Andrew Medhurst. 2013

A walk on the wild side: are swamp walks an effective way to connect people to the environment. Maureen McLaughlin. 2013

Historical rainfall patterns within southwest Florida. Edward Bennett. (Co-advised with Jeff Key). 2012

Sedimentation of retention ponds, ideally managed at Florida Gulf Coast University. Hobie Shireling, Lance York, Dillon McGee, Danielle Ammenson, Brittany Suggs, and Jacquelyn Lar. (Co-advised with Serge Thomas) 2012.

Pond Pals: Developing curriculum on pond education for 5<sup>th</sup> graders. Julie Cowen, Stephen Frazer, Sarah Norris, Danielle Perez, and Michael Tateo. (Co-advised with Serge Thomas) 2012.

Estimating the population of whitetail deer on the FGCU campus using wildlife cameras. Trevor Griffin. 2012.

A multiple species wildlife inventory of FGCU's Buckingham Center. Lauren Barth. 2012  
FGCU Campus Forest Plot. Ashley Maszalek, Madisen Butterworth, Ashley Humphries, Jessica Jose, and Joan Firth. 2011.

Assessment of the Naples Zoo visitor experience. Sasha Tetzlaff. 2011

Species occurrence and prey selection of sharks off Bonita Bay, Florida. Edward Challinor and Abelardo Elizarraraz. 2011.

Initiating a baseline population study of the American Alligator (*Alligator mississippiensis*) on the Florida Gulf Coast University Campus. Sean Wilkinson and Greg Kosik. 2011.

Impact of removal of *Melaleuca* on native tree survival. Ashley Marszalek. 2011.

Use of Long-Term Forest Growth Plots in STEM Education: Application to the Babcock Ranch Development. Christina Graham, Kady Hubschman, & Jeannine Windsor. 2011

A study of shrub species and the impact of logging at Babcock Ranch, Charlotte County, Florida. Shelley Carr, Marco De Simone, Lauren Dorval, William Halsted, Robert Hill, Josh Ittenbach, Abbey Leonard, James Luda, Geoff Rosenaw, Andrew Plau. 2011

Long term forest dynamics plots of Babcock Ranch. Ryan Ellis, Kyle Wade, Alex Knoll, Andrew Applegate, Theresa Muilli, Deven Lawrence, Scott Anderson, David Pittman, Joan Firth, George Million. 2011

Establishment of a long-term study plot for old-field succession at the Buckingham Center, Florida Gulf Coast University. Kiley Revel, Lindsay Castret, John Garafola, Lara Collier, Andrea Grace, Meghan Lauer, Arielle Taylor-Manges, Jonathan Maile, Scott Anderson, David Pittman, Drew Morris, Joan Firth. 2011.

Hydrological pre-conditions for cypress (*Taxodium distichum*) germination: Six Mile Cypress Slough. Vicky Homes. 2009. (Co-advised with Jeff Key).

Factors influencing the waste generation status of colleges and universities in Florida. Michael Frania. 2009

The impact of shoreline alteration on fish communities in North Ft. Myers, Florida. Bryan Ott. 2009

The relationship between vegetation and frog communities. Kimberley Downing. 2009



## UNDERGRADUATE SENIOR RESEARCH PROJECTS MENTORED – *continued*

- Testing remote sampling of the invasive green mussel using a remote operated vehicle. Ryan Brookbank. 2009.
- A preliminary study of nutrients in decomposing drift algae. Susan Cripe. 2009
- Riparian restoration and its effects on *Gambusia* population. Wesley Dillion. 2009
- The Relationship between Forest Composition and Hydrology in an Urbanized Cypress Slough Preserve. Elan Solveson. 2009. (Co-advised with Jeff Key).
- A Preliminary Study of Nutrients in Decomposing Algal Material. Susan Cripe. 2009.
- Analysis of light use on the FGCU campus. Holli Sims. 2008.
- Phosphorus levels in surface and groundwater on the Florida Gulf Coast University campus. Justin Hojnacki. 2008.
- FGCU campus spider population survey. Brittany Smith. 2008.
- A biological monitoring program for the Lake Trafford Restoration Project in Collier County Florida. Claudia Goepel. 2008.
- Comparison of phosphate levels in three stormwater ponds. Rachel Campbell. 2008.
- The effect of organic and inorganic fertilizer on kidney bean growth. Nicole Peters. 2008
- Hydrological and vegetation monitoring of the Six Mile Cypress Slough Preserve. Jeff Key. 2007
- Response of slough grass (*Scleria reticularis* Michx.) to roller chopping in three different pine flatwoods soil types. Ronald D. Dees. 2007. (Co-advised with Nigel Morris and Mike Kimmerer)
- Historical Boundary Analysis of Six Mile Cypress Watershed. Angela Riddle. 2007.
- Riparian vegetation analysis of the tributaries leading into Estero Bay. Dan Hamilton. 2006
- Non-indigenous fishes in Caloosahatchee River oxbows. Coleman Bender. 2006
- A survey of Diplopoda in Lee County, Florida. Millisa A. Bell. 2006
- Seagrass Educational Survey. Tim Schwan. 2005.
- A predictive model of potential archaeological sites on Babcock Ranch. Scott W. Goodwin. 2005 (co-advised with William Hammond)
- Mangrove species recovery following a hurricane. Eric Sandsmark. 2005
- The effects on water quality of construction site point source pollution. Ryan Snyder. 2005
- Assessing restoration of *Melaleuca quinquenervia*-invaded habitats: soil macroinvertebrate diversity. Cheryl A. White. 2004.
- The effect of controlled burning on subsequent hurricane damage. Sam Miles. 2004.
- Buck Creek water quality study. Anthony Matonis. 2004. (Co-advised with Bobbie Rogers).

## UNDERGRADUATE SENIOR RESEARCH PROJECTS MENTORED – *continued*

- Nitrate comparison in soils of three forest areas on campus. Harry Phillips. 2004
- Differential decomposition rates of *Melaleuca quinquenervia* infested forest ecosystems. Meagen Gerrity. 2004
- Preliminary study of epiphyte communities. Tim Ragsdale. 2004.
- The effect on biodiversity among frog species from development. Jesus Silva. 2004.
- Deeringothamus pulchellis* (beautiful pawpaw): relocation and first-year monitoring. Debbie Preston. 2004.
- Mold analysis in academic buildings and dormitories at Florida Gulf Coast University. Lasheba Travis. 2004.
- Examining the effectiveness of a Comprehensive Compositing Program (CCP). Jacquelyn Crumb, Joelle Hammes. 2003. (Co-advised with Joe Kakareka)
- The effects of habitat fragmentation on frog populations on the FGCU campus. Tina Mayfield. 2003
- The implications of the SWANCC case on wetland protection. Corey Oliveira. 2003.
- Biological diversity of soil invertebrates at different infestation levels of *Melaleuca quinquenervia* in southwest Florida. Magda Derival. 2003.
- Measuring the effectiveness of the University Colloquium in instilling an ecological perspective in its students. Laurie Coventry-Payne. 2003
- Do FGCU Boardwalks inhibit exotic frog migration? Jamie Ovsianik. 2003.
- Determining the feasibility of tankless on-demand heater for Humanity (HFH) of Hendry County, Florida. R. Burnell Andrews. 2003.
- A population survey and distribution assessment of burrowing owls *Athene cuniculara floridana* in unincorporated Lee County Florida. Shellie Watts. 2003
- Differences in soil characteristics associated with the presence of *Melaleuca quinquenervia*. Corrie Pieteron. 2003
- The Endangered Florida manatee (*Trichechus manatus*): a review of the effectiveness of public education and it's accessibility in Lee and Collier Counties. Stephanie Timperley. 2002.
- Study of the Feral Pig (*Sus scrofa*) disturbance on the campus of FGCU. Tina Greenawalt. 2002
- Analyzing quality measurements of winter overseeding effects on golf course fairways. Erik M. Hansen. 2002
- Long term fish monitoring at the FGCU campus. Glenn Buchner. 2002
- Change sin vegetative diversity in plots with moderate infestation by *Melaleuca quinquenervia*. Matthew Sloan. 2002.
- The impact of *Melaleuca quinquenervia* on the growth of *Pinus elliottii*. James W. Grimes. 2001.
- A baseline study involving the presence of *Osteopilus sepentrionalis* (Cuban tree frog) around a newly created boardwalk within a cypress swamp. Stephen Giguere 2001.
- The effects of *Melaleuca quinquenervia* invasion on the growth of *Taxodium distichum* in a Southwest Florida Cypress Strand. Howard Wegis. 2000.

**UNDERGRADUATE SENIOR RESEARCH PROJECTS MENTORED – *continued***

HCHO levels during dissections. Cynthia Lange. 1999.

The *Melaleuca* tree disrupts Southwest Florida's native vegetation and insects. Tara Applegate. 1999.

Factors controlling the herbaceous vegetation of the Selu Conservancy. Sandra Mitchell. Radford University 1996. Appalachian Regional Studies Center. Archive 195.1.b.

**INLAND ECOLOGY RESEARCH GROUP (IERG) INTERNS** – *some student were employed at both levels*

**Graduate Students:** Julianna da Frota, Marie Dessources, Dana Dettmer, Daniel Dickerson, John Ferlita, Sara Funck, Rachel Harris, Heather Hill, Brent Jackson, Matt Lucius, Shannon McAskill, Corrie Pieteron, Kory Ross, Brenda Thomas, Allyson Webb, Laura Wewerka, Ryan Young

**Undergraduate Students:** Damien Baker, Kathleen Ballew, Jessica Berman, Connor Ceilley, Savannah Ceilley, Colleen Clark, Addison Beach Cutler, Jim Easton, Tom Faatz, John Ferlita, Josh Forbes, Claudia Geopel, Rachel Glickman, Scott Goodwin, Dan Hamilton, Heather Harrington, Chelsie Houston, Brent Jackson, Rebecca Jenkins, Jeff Key, Heather Koehler, Brad Kolhoff, Robert Leisure, Cory Liang, Candy Long, Shirley Lopez (Bolen), Neal Marx, Katherine Nelson, Joe Panepinto, Josh Radford, Nathan Reece, Pamela Riggs, Geoff Rosenaw, Kory Ross, Katelin Sacco, Connie Spurfeld, Taylor Walker, Jon Webb, Cheri Wilson

**ECOLOGY RESEARCH GRANTS AND PROPOSALS (64 written, 39 funded, \$1,833,000)**

2018 Hurricane Damage Assessment of a Long-Term Mangrove Study Plot in Estero Bay. G. Diaz and E.M. Everham III. Blair Student Scholarship Fund. \$5000. Funded.

2018 Hurricane Further Establishment of a Long-Term Mangrove Study Plot in Estero Bay. N. Marx and E.M. Everham III. Blair Student Scholarship Fund. \$5000. Funded.

2018 Biological Monitoring of the Placida Park Restoration Project. G. Diaz and E.M. Everham III. \$16,643. Gasparilla Island Conservation and Improvement Association. Unfunded.

2017 Monitoring Eastern Indigo Snake Populations in South Florida to Determine their Densities on Agricultural Lands: Citrus Groves and Pasture Habitats. J.E. Herman, E.M. Everham III, K. Lefevre, D.W. Ceilley, and M. Metcalf. USFWS. \$49,280. Unfunded.

2017 Establishment of Long-Term Mangrove Study Plots in Estero Bay. K. Sacco and E.M. Everham III, Blair Scholarship for Vester Marine Field Station. \$5000. Funded

2016 Impact of construction in South Florida on habitat use by the Eastern Indigo Snake (*Drymarchon couperi*). Co-PIs: D.W. Ceilley, J. Herman, K. Lefevre, and M. Metcalf. USFWS. \$39,050. Unfunded.

2015 Legacy of impacts of mosquito control on non-target organisms in coastal and freshwater wetlands. PI: T. El-Hefnawy, Co-PIs: D.W. Ceilley, D.A. Croshaw, C.W. Gunnels IV, and J. Hornby. Florida Department of Agriculture and Consumer Services (FDACS). \$69,463. Unfunded.

2014 Examining long-term impacts of mosquito control on non-target organisms in coastal and freshwater wetlands. Co-PIs: D.W. Ceilley, C.W. Gunnels IV, T. El-Hefnawy, Jonathan Hornby. Florida Department of Agriculture and Consumer Services (FDACS). \$94,689. Unfunded.

2013 Lake Trafford Limnological and Biological Assessment and Lake Management Coordination. Co-PI S. Thomas. South Florida Water Management District Big Cypress Basin. \$25,000.

2013 Measuring the fate and non-target impacts of Dibrom using aerial ultra low volume (ULV) spray technology in mangrove wetlands. Florida Department of Agriculture and Consumer Services (FDACS). \$102,070.

2012 Pondweed (*Potamogeton illinois*) planting to facilitate restoration of Lake Trafford, Collier County, FL. Aquatic Habitat Restoration/Enhancement (AHRE), Fish and Wildlife Commission. \$275,000. Unfunded

## ECOLOGY RESEARCH GRANTS AND PROPOSALS - *continued*

- 2012 *Vallesneria* restoration in the Caloosahatchee Estuary. RESTORE Act. \$150,000. Unfunded
- 2012 Impact of Water Flow on Benthic Communities. Co-PI Dave Ceilley. South Florida Water Management District \$37,500. Unfunded.
- 2011 Dry season replanting of *Vallisneria* in the upper Caloosahatchee River. PI Dave Ceilley. South Florida water Management District. \$30,000.
- 2011 Lake Trafford SAV Habitat Restoration and Mapping of Restoration Success. PI Dave Ceilley. U.S. Fish and Wildlife Service. \$30,000.
- 2011 Lake Trafford: Monitoring and Management Plan. Co-PIs Dave Ceilley and Serge Thomas. South Florida Water Management District. \$50,000
- 2011 Effects of Land Conversion Projects of the Eastern Indigo Snake In South Florida. U.S. Fish and Wildlife Service. \$29,250.
- 2011 Macroinvertebrates and fishes as bioindicators or restoration success in the Picayune Strand. Co-PI Dave Ceilley. ORSP \$3000.
- 2011 Limnological Performance Measures for the Lake Trafford Restoration Project. Co-PIs Dave Ceilley and Serge Thomas. ORSP \$3000.
- 2011 Wildlife & Corridor Assessment. PI Dave Ceilley. Kitson and Partners, Inc. \$40,000
- 2011 Role of Marsh-Mangrove Interface Habitats as Aquatic Refuges for Wetland Fishes and other Aquatic Animals. Co-PIs Dave Ceilley and David Green. South Florida Caribbean Cooperative Ecosystem Studies Unit. \$80,000. Unfunded.
- 2010 Lake Trafford Monitoring, supplement. PI Dave Ceilley. South Florida Water Management District. \$15,000
- 2010 Lake Trafford: Monitoring and Management Plan. PI Dave Ceilley, co-PI Serge Thomas. South Florida Water Management District. \$50,000
- 2010 Dry season replanting of *Vallisneria* in the upper Caloosahatchee River. PI Dave Ceilley. South Florida water Management District. \$15,000.
- 2009 Water Quality Technical Support 2009-2014. Florida Department of Environmental Protection. \$24,900.
- 2009 Babcock Ranch Monitoring – supplement: aquatic faunal community. PI Dave Ceilley. Kitson and Partners, Inc. \$15,000.
- 2009 Lake Trafford Monitoring, PI Dave Ceilley. South Florida Water Management District. \$50,000.
- 2009 Solar Field Monitoring Coordination. Co-PI Dave Ceilley. Johnson Engineering, Inc. \$1800.
- 2009 Optimizing reuse water systems to promote water use efficiency and protect water quality. Co-PIs: T.J. Denison and D.W. Ceilley. USDA Cooperative State Research, Education, and Extension Service (CSREE). \$436,258 Unfunded.
- 2008 Babcock Ranch Community: Data Management. Research Related Graduate Assistantship Program. \$3000.

## ECOLOGY RESEARCH GRANTS AND PROPOSALS - *continued*

- 2008 Babcock Ranch Community baseline biological assessment: fish, herps, mammals. Co-PI: D.W. Ceilley, P. Allman, B. Jackson, J. Jackson. Kitson and Partners, Inc. \$85,625.
- 2008 Bioavailability and sources of nutrients. PI: A.N. Loh, co-PIs: D. Fugate, M. Parsons, D. Ceilley, and E. Milbrandt. City of Sanibel and Lee County Florida. \$769,083.
- 2008 Babcock Ranch Research Initiative. FGCU-ORSP Internal Grant. \$4998. Unfunded.
- 2008 Tape Grass Restoration Feasibility Study. PI: D.W. Ceilley. Lee County Board of County Commissioners. \$10,000.
- 2007 Melaleuca and soil nutrient dynamics. Charlotte Harbor National Estuary Program. PI: P. Julian. \$14,375. Unfunded.
- 2007 A Multi-Species Habitat Suitability Assessment of State Preserve Lands of Babcock Ranch, Co-PIs: D. W. Ceilley, L. Bryan, J. W. Grubbs. South Florida Ecological Services Office (SFESO). U.S. Fish and Wildlife Service. \$78,366. Unfunded.
- 2007 Lake Trafford Monitoring Phase II. Co-PI: D.W. Ceilley. Big Cypress Subbasin South Florida Water Management District. \$50,000., Supplement \$25,000. Extension to 9/30/08
- 2007 Corkscrew Regional Ecosystem Watershed Hydrology Reconnaissance. PI Brian Bovard. South Florida Water Management District. \$25,000.
- 2007 Clam Bayou Mangrove Restoration and Outreach – Phase II. PI: R. Harris. Gulf of Mexico Foundation: Community-based Restoration Partnership. \$14,360. Unfunded.
- 2007 Hurricane research at Archbold Biological Station. Archbold Expeditions. \$7000.
- 2007 Hickey's Creek Mitigation Park Plant Inventory: I. Co-PI: G. Wilder. Lee County Parks and Recreation. \$10,000.
- 2007 Data analysis of water quality. PI: D.W. Ceilley. Florida Department of Environmental Protection – Bureau of Watershed Management. \$24,487.
- 2007 Six Mile Hydrology Monitoring II. Co-PI: D.W. Ceilley. Lee County Parks and Recreation. \$7,176.
- 2006 Lake Trafford Watershed Monitoring Plan Phase I Research. Big Cypress Subbasin South Florida Water Management District. 1/12/06 – 7/24/07. \$50,000.00
- 2006 Enhancement of Estero Tributaries: Outstanding Florida Waters Impaired by Water Quality and Habitat Degradation. PI: D.W. Ceilley. US Fish and Wildlife Service. \$161,419. Unfunded.
- 2006 Determination of mangrove mortality associated with Hurricane Charley in Pine Island Sound, Matlacha Pass and southern Charlotte harbor Lee County, Florida. Co-PIs: T. Tattar and D. Scott. Research Cooperators: E. Everham and E. Milbrandt. Charlotte Harbor National Estuary Program, Research and Restoration Partners Fund. \$77,765. Unfunded.
- 2006 Hydrological Monitoring for Six Mile Cypress Slough. KLECE, Inc. \$10,000.
- 2006 Estero Bay Tributaries Riparian Vegetation Analysis. South Florida Water Management District. \$95,000.
- 2006 Evaluation of the role of wetland fishes and macroinvertebrates in the control of mosquitoes at J.N. "Ding" Darling National Wildlife Refuge, Sanibel Island, FL. PI: D.W. Ceilley. Lee County Mosquito Control District. \$144,313. Unfunded.

## ECOLOGY RESEARCH GRANTS AND PROPOSALS - *continued*

- 2006 The ecological impacts of Hurricanes on Forested Ecosystems in southwest Florida. Faculty Research Incentive. Florida Gulf Coast University. \$10,000.
- 2006 Pine Island Flatwoods Preserve Plant Inventory. Co-PI: G. Wilder. Lee County Parks and Recreation. \$4,000.
- 2006 Public Outreach Sea Kayak Expedition. Pew Charitable Trust. \$168,092. Unfunded.
- 2005 A new look at *Melaleuca*: a genetic approach to an ecological problem. M. Cruz-Alvarez and W. Everham. FGCU Internal Grant Program. \$5000.
- 2005 Estero Bay Tributaries Analysis. Conservancy of Southwest Florida. \$12,000.
- 2005 Littoral Vegetation, Fisheries and Wildlife Responses to Hydrologic Variations In Lake Okeechobee - Literature Review & Data Synthesis. RFQ. E. Everham and A.N. Loh. South Florida Water Management District. \$60,000. Unfunded.
- 2005 The effects of Hurricane Charley on the invasion of exotic species in Southwest Florida. With B. Brooks. Florida Atlantic University. \$2500. Unfunded.
2004. Assessment of invasive *Ficus* spp. in downtown Fort Myers, Florida. PI: D. Preston. Florida Exotic Pest Plant Council. \$2500. Unfunded.
- 2004 Lake Nutrients Project. \$43,000. In-kind project with the Florida Department of Environmental Protection.
- 2003 Effects of *Melaleuca quinquenervia* on soil characteristics. PI: **E. C. Pieterston**. Florida Exotic Pest Plant Control Council. \$2500. Unfunded.
2002. Wildlife Habitat and Wildlife Utilization of Phosphate Mined Lands. Co-authored with Donald H. Ross and Sunny Diver, Florida Environmental, and David Ceilley, The Conservancy of Southwest Florida. Proposal to the Florida Institute of Phosphate Research. \$558,517. (Subcontract to FGCU \$126,397). Unfunded.
- 2001 Quantifying native vegetative recovery as a comparison of effectiveness of methods to remove invasive exotic plants from coastal scrub and pine upland. Co-authored with N. Demers. Proposal to State Partnership Program. \$50,100. Unfunded.
- 2000 A comparison of hydroponic formulas for the production of tomatoes. \$25,000 (with R. Holtzclaw).
- 1999 Demography and habitat use of the Eastern Indigo Snake (*Drymarchon corais couperi*) in response to landscape change. US Fish and Wildlife Service. Co-PIs: M. B. Meers, W. Hammond, J.A. Jackson. \$68,047. Unfunded.
- 1999 An Interdisciplinary Approach to the Study of Southwest Florida Watersheds: A Research Experience for Undergraduates. Co-PIs: M. Savarese, S. G. Tolley, J. P. Kakareka, & E. M. Everham III. NSF REU. \$171,849. Unfunded.
- 1998 A Rapid Bioassessment Program for Estero Bay Tributaries. EPA Charlotte Harbor National Estuary Program. \$19,019. (With J. Cassani, D. Ceilley, and G. Tolley).
- 1991 - 1994 Department of Energy Graduate Fellowship for Global Change Program. Tuition, fees, stipend, and Institutional support for graduate research on impacts from hurricane disturbance. \$19,000. per year

## TEACHING AND CURRICULUM GRANTS AND PROPOSALS (18 written, 14 funded, \$595,000)

- 2016 Innovative Assignment Development and Faculty Learning Participation grant-Senior Project Mentors for *Scientific Process* W. Everham and J. Herman. FGCU QEP Program. Funded.
- 2008 From genes to ecosystems: integrative biological research on the Greater Everglades. PIs: M. Cruz-Alvarez and T. Ueda. Supporting Faculty: B. Bovard, A. Hartley, C.W. Gunnels IV, E. M. Everham, and G. Tolley. NSF Research Experience for Undergraduates (Biological Sciences). \$106,831. Unfunded.
- 2007 Know your native plants: A sense of place at FGCU. 2007. Co-PI **Brad Kolhoff**. QEP Faculty/Student Research Grant Program. Florida Gulf Coast University. \$2041.20
- 2007 Whitaker Summer Research Programs to Promote Science Education. Co-PIs: D.L. Schmidt, M. Savarese. Florida Department of Education. \$25,000 Unfunded.
- 2007 FGCU Public Outreach Sea Kayak Expedition. National Geographic Society, PEW Charitable Trusts, Annenberg Foundation. \$110,172. Unfunded.
- 2005 Field Modules, Charlotte Harbor National Estuary Program. \$2978. (with: M.K. Cassani, and B. Hammond)
- 2004 Improving science education through the application of research technologies. PI: J. Kakareka. National Science Foundation. \$74,216. Unfunded.
- 2002 Curriculum Development to support the Campus Ecosystem Model and establishment of the Center for Environmental Research and Preservation. US Department of Education, Funds for Improvement of Post Secondary Education. \$229,500 (with G.Tolley and J.Kakareka)
- 2001 Center for Western Everglades Restoration Study and Public Outreach. South Florida Water Management District. \$605,000, funded for \$225,000 (with W. Hammond, S.G. Tolley, and C. Gray).
- 2000 Travel Scholarships for Tropical Ecology. With M.K. Cassani. Price Foundation. \$2500.
- 1999 The Campus Ecosystem Model: Curriculum improvement through the interaction of teaching and research. PI: Mike McDonald. US Department of Education. \$64,439. Unfunded.
- 1998 Instrumentation to Support Florida Gulf Coast University's "Campus Ecosystem Educational Model". NSF Instrumentation and Laboratory Improvement Program. \$87,958. (With J. Kakareka, M. Savarese, and S. G. Tolley).
- 1998 University Colloquium: A Sustainable Future. P. Corcoran and W. Everham. Distance Learning Course/Program Development Acceleration Program. FGCU. \$4735.
- 1998 Distance Delivery of Environmental Studies. E. Everham. Distance Learning Course/Program Development Acceleration Program. FGCU. \$3500. Unfunded.
- 1997 Suncoast Area Center for Educational Enhancement. Development of an interdisciplinary introductory science module for undergraduates focusing on biodiversity and estuaries to illustrate scientific processes. \$10,000, (with D. Henry and J. Hart).
- 1990 Computer Manual: Instructional Supplement to Systems Ecology. Faculty Grants for the Improvement of Undergraduate Instruction. SUNY ESF \$2500.00. (With C.A.S. Hall and P.S. Rand)
- 1985 Autotutorial computer programs for chemistry instruction. Waukesha Public Schools Curriculum Development Program. \$2500.00.
- 1982 Interdisciplinary Math/Science Course. Waukesha Public Schools Curriculum Development Program. \$5000.00 (with J. Brandt and R. Cooper)

Undergraduate co-authors in **bold**



## CURRICULUM DEVELOPMENT AND ASSESSMENT

BIENNIAL STUDENT LEARNING OUTCOMES ASSESSMENT REPORT - BA ENVIRONMENTAL STUDIES.

Florida Gulf Coast University. Co-authored with A.B. Cutler. An assessment of the data related to selected learning outcomes for the undergraduate Environmental Studies degree.

HONORS *ECOLOGICAL AND ENVIRONMENTAL CITIZENSHIP* TRACK. Florida Gulf Coast University.

Developed with: D. Bondehagen, B. Bovard, E. Otto, and A. Volety.

An environmental studies/science track for Honor's Students.

A SENSE OF PLACE AT THE FGCU CAMPUS - Florida Gulf Coast University. Developed with **Brad Kolhoff**

Web-based resources to facilitate campus interpretation and plant identification

<http://ruby.fgcu.edu/courses/everham/KnowYourPlants/>

ECOLOGY AND ECOSYSTEMS IN SOUTHWEST FLORIDA

Co-author Sara Davis. A place based (Four Mile Cove Ecological Preserve, Randall Research Center, Estero River Scrub) introduction to ecology and ecosystems (mangrove, estuary, and pine flatwoods).

Developed for the Charlotte Harbor National Estuary Program.

GEOSPATIAL SUMMER INSTITUTE: PROJECT LAUNCH

Co-authors: D.L. Schmidt, T. Couch, L. Southard, D. Szpyrka. The Whitaker Center for Science Mathematics and Technology Education and The Florida Space Research Institute.

A curriculum for K-12 teachers designed to apply systems analysis to watershed analysis, integrating applications to mathematics and science education, using the FGCU campus as a case study.

AN INSTRUCTIONAL GUIDE FOR EVERGLADES RESTORATION STUDY ACTIVITIES AND CASE STUDY APPROACHES.

Edited by W. F. Hammond. Contributing authors: M.K. Cassani, E. Everham, C. Sweeney, and M.

Savarese. . Student contributors: **C. Anderson, S. Cone, C. Gerwitz, B.P. Hollinshead, C. Owen, K. Robinson, S. W. Robertson.** South Florida Water Management District. Lesson plans for integrating science, social science and humanities in the context of the Greater Everglades Ecosystem Restoration, with a focus on the western Everglades.

ECOLOGY I - BIOMAGNIFICATION: GRAPHING HEAVY METAL BIOACCUMULATION.

Teaching and Learning Unit – FIRST II National Meeting

A curriculum unit designed from introductory ecology courses, for teaching concepts of graphing through analysis of data on biomagnification. Co-authors: J. Akin, T. Davin, E. Glaiser, A. McConney, and C. Richmond. <http://www.first2.org>

FLOW elearning

Development of an on-line version of the *FLOW The essentials of environmental flows* course. Co-authors: C. Sneddon, J. Byrne, and A. Alm. Funded through Foundation For Our Future (FFOF) for the World Conservation Union (IUCN)

MS IN ENVIRONMENTAL SCIENCE – Florida Gulf Coast University

Development of a Master of Science Degree in Environmental Science, with J.A. Jackson.

CAMPUS ECOSYSTEM MODEL. Developed with G. Tolley, M. Savarese, and J. Kakareka.

A curriculum concept that links course-based laboratory and field learning experiences with on-going research and monitoring of the campus watershed. <http://www.fgcu.edu/cas/cem/index.html>

UNIVERSITY COLLOQUIUM – VIRTUAL COURSE. Developed with P. Bradley and A. Benscoter.

Development of web resources and a virtual version of the required *University Colloquium: A Sustainable Future* course.

## **CURRICULUM DEVELOPMENT AND ASSESSMENT - *continued***

ARE HUMANS DINOSAURS, AN ASTEROID, OR BOTH? A STUDY OF THE METHODS AND GOALS OF SCIENCE.

Suncoast Area Center for Educational Enhancement. Development of an interdisciplinary introductory science module for undergraduates focusing on biodiversity and estuaries to illustrate scientific processes.

BA IN ENVIRONMENTAL STUDIES – Florida Gulf Coast University

Development of an environmental studies concentration in an undergraduate, interdisciplinary, liberal arts degree program. Aided in the development of a general education program and an upper division integrated core of study, as part of an interdisciplinary team.

INTERNATIONAL STUDIES – Institute for Global Learning

Design of an international studies program for the Laurasian Institute under contract by the California State University Monterey Bay.

NEW COLLEGE OF GLOBAL STUDIES – Radford University

Design of a competency-based curriculum using computer-assisted instruction, distance education, service learning, and mentored group study. Outline of requirements for a Global Environmental management major. Development of courses in Cultural Diversity, and Evolution of the Global Environment. Participation in an Electronic Textbook Curriculum Development Program.

SYSTEMS ECOLOGY LABORATORY MANUAL - College of Environmental Science and Forestry

Development of a proposal that was funded to create computer based instructional materials for Systems Ecology. This project resulted in a laboratory manual and accompanying disk of supporting software.

SELF-TAUGHT CHEMISTRY - Waukesha North High School

Development of autotutorial computer programs for chemistry.

INTEGRATED MATHEMATICS/SCIENCE – Waukesha North High School

Participation in the development and implementation of a team-taught interdisciplinary math and science course. For Learned Disabled (LD) and Emotionally Disturbed (ED) high school students.

PHYSICAL SCIENCE CURRICULUM - Waukesha North High School 1982

Summer curriculum project to develop an integrated second year science curriculum: chemistry, physics, earth science and ecology.

Undergraduate co-authors in **bold**

## COURSE DEVELOPMENT AND DELIVERY – Florida Gulf Coast University

**Scientific Process** - Students are introduced to the philosophy and methodology of the scientific practice in this discussion-format course. Through self practice and collaborative review, students learn: philosophical and practical differences between physical and historical science; ethical issues surrounding the practice of science; hypothesis generation and testing; experimental design; construction of a research proposal; composition of a scientific paper; oral presentation; and critical review of scientific literature and research proposals.

**Conservation Strategies for a Sustainable Future** - This course is intended as a capstone activity for students in Environmental Studies. It includes an examination of conservation strategies enabling communities to build sustainable futures, including the maintenance of healthy and diverse natural environments, renewable natural resources, and sustainable economies. Service learning group projects are used to develop skills in team building and moving communities toward more sustainable practices.

**General Ecology** – This course covers the basic concepts of ecology at population, community, ecosystem and landscape levels. This course is inquiry based and fully integrated with both laboratory and field experiences which emphasize active learning strategies.

**Environmental Biology** - The environment of southwest Florida is used as an example to investigate environmental concepts within their ecological, cultural, economic, and historical contexts. Multiple sources of information including scientific data and artistic expression are utilized to evaluate ecological principles and environmental ethics, attitudes, and beliefs. This course is inquiry based and fully integrated with both laboratory and field experiences which emphasize active learning strategies.

**University Colloquium: A Sustainable Future** - The University Colloquium brings together students from all four colleges in a series of interdisciplinary learning experiences. These experiences are designed to address the ecological perspective outcome in relation to other university outcomes and guiding principles. Critical thinking and communication skills are enhanced through field trips, discussion, service learning projects, and a journal to be maintained by each student. The course content is engaged through reading and discussion, writing, and extensive field experiences. Students reflect upon and demonstrate their learning through analysis in papers, class discussions and presentations, a reflective journal, and a final presentation.

**Campus Monitoring** - This course is intended to give students additional field experience, and experience with new techniques or procedures. Students select one of the on-going campus monitoring projects and collect and manage the database for the semester.

**Caribbean Environments** - The natural environments of the Caribbean and critical environmental issues are examined within their geologic, ecological, cultural, economic, political, and historical contexts. Multiple sources of information including scientific data and artistic impression are utilized. Each student selects a specific country in the region on which to focus. In addition to developing expertise for this region, and specializing on one country, we attempt to develop experience in systems analysis leading to two central questions: 1) how are the environmental problems originated and influenced by their geologic, ecological, cultural, economic, political, and historical contexts; and 2) how are our approaches and possible solutions defined and limited by the system context.

**African Environments** - The natural environments of Africa and critical environmental issues are examined within their geologic, ecological, cultural, economic, political, and historical contexts. Multiple sources of information including scientific data and artistic impression are utilized. Each student selects a specific country in the region on which to focus. In addition to developing expertise for this region, and specializing on one country, we will attempt to develop experience in systems analysis leading to two central questions: 1) how are the environmental problems originated and influenced by their geologic, ecological, cultural, economic, political, and historical contexts; and 2) how are our approaches and possible solutions defined and limited by the system context.

**Environmental Research Methodology** – Graduate students are introduced to the philosophy and methodology of the scientific practice in this discussion-format course. Through self practice and collaborative review, students learn: ethical issues surrounding the practice of science, hypothesis generation and testing; experimental design; construction of a research prospectus; composition of a scientific paper; oral presentation; and critical review of scientific literature and research proposals

## **COURSE DEVELOPMENT AND DELIVERY – Florida Gulf Coast University - *continued***

**Advanced Ecology** – This graduate course includes an overview of major concepts in ecology with an emphasis on mathematical analytical techniques and emerging ecological theory. Topics include: flows of energy and matter; community structure and dynamics; hierarchies of organization, and emerging technologies. Course structure includes lecture, analytical techniques, and discussion of relevant literature.

**Current Topics Seminar: Disturbance Ecology** - In this course, we review current ecological studies and literature on the role of disturbance in ecology, particular the structure and function of ecosystems. We begin with ecological theory on the description and role of disturbances, then focus on specific disturbance types, finally we examine disturbance regimes in specific ecosystems.

**Current Topics Seminar: Forest Ecology** - In this course, we review current ecological studies and literature on forest ecology. We begin with introductory papers on forest structure, forest dynamics, and human interactions with forest ecosystems. Students select additional papers that focus on forest ecology issues.

**Current Topics Seminar: Invasive Exotic Species** - In this course, we review current ecological studies and literature on the impacts of exotic species invasions. We begin with general readings on ecological theory, ecosystem management, and environmental policy relative to exotic invasions and then focus on a variety of examples to include: plants, insects, other invertebrates, fish, herpetofauna, birds, and mammals.

**Current Topics Seminar: Threatened and Endangered Species** - In this course we review current ecological studies and literature on threatened and endangered species of Florida. We will begin with ecological theory on the biodiversity and ecosystem stability, then issues on regulation and management of threatened and endangered species, and for most of the semester focus on a variety of examples to include: plants, insects, fish, herpetofauna, and mammals.

**Current Topics Seminar: Restoration Ecology** - In this course we review current literature on restoration ecology. We will begin with general readings on theory and history of restoration ecology and then focus on restoration of specific ecosystems: e.g. forests, wetlands, prairies, estuaries; and on specific disturbances: e.g. mining, hydrologic alteration, logging, and toxic contamination.

**Current Topics Seminar: Systems Ecology** - In this course we introduce the use of models in ecology. We begin with general readings on what models are, how they are used, and their limitations. We then examine specific applications to sub-disciplines based on the interests of students in the class. Finally, we use the topic of manatee population dynamics in Southwest Florida as a case study for the application of modeling techniques

**Environmental Philosophies** – This course examines different environmental philosophies and aids students in critically examining and articulating their own. Students develop and in-depth understanding of a variety of views concerning the way humans relate to their environment and examine the trends in environmental thinking that have developed over time. This course includes selected readings and guest speakers as resource materials.

**Environmental Literature** – In this course we examine “environmental literature” in the broadest sense of the phrase. We will consider the ways in which scientific and literary writings establish, develop, and encourage particular models of the relationships between human beings, cultures, and the natural world. We develop a taxonomy for talking about these models contrasting terms such as “anthropocentric” and “ecocentric”, “managerial” and “passive”, “conservative” and “radical”. We also examine some of the distinctions typically drawn between “science” and “literature” and explore some of the similarities in the seemingly distinct discourses of scientists and literary authors.

**Introduction to Geographical Information Systems** – Students in this course have the opportunity to develop expertise in the software package ArcView. We work through the software tutorials, then each student is expected to complete a project with applies this technology. The course work must be organized by each student individually. Credits are valuable and will be determined by the scope the project.

## **COURSE DEVELOPMENT AND DELIVERY – Florida Gulf Coast University – *continued***

**Ecosystem Research and Monitoring** – This course is an overview of ecological concepts and basic methods of inventorying, monitoring, and conducting research on terrestrial, freshwater, and marine ecosystems. We utilize the Campus Ecosystem Model to integrate laboratory and field exercises by examining the climate, chemistry, physical features and biotic components of various ecosystems on FGCU's campus, and in its watershed.

**Issues in Ecology and the Environment** - Students and faculty work together to investigate selected contemporary ecology/environmental issues and problems and examine how they have developed through time. Individually and in teams, students develop "integrated histories" of an issue or problem. These "histories" require building an integrated context by examining issues through the perspectives and methods of knowing in the social sciences, natural sciences, and humanities. Organized in inter-disciplinary ways and problem-based, the course stresses engaged learning. Students are expected to formulate their own interpretations and responses to the issues. Consequently, success in this course relies on critical, creative, systematic, and collaborative thinking and the sophisticated use of communication, information, and technological skills.

**Interdisciplinary Senior Seminar** - Capstone experience for the Collegium of Integrated Learning. Previous courses in the Collegium have focused on understanding contemporary and emerging issues using multiple discipline perspectives. In this course students: revisit the discipline perspectives they have developed, demonstrate their problem solving, group work and communication abilities, and apply these concepts to both professional and community-based situations.

**Tropical Ecology** - This course is intended as an introduction to the ecology of tropical ecosystems, typically with a terrestrial bias, and may focus more regionally if offered with a study abroad opportunity. Students explore ecological principles as they apply to tropical systems, examine the agents of change that are affecting these systems, and their human cultural and economic contexts.

**Simulation and Modeling** - Systems simulation and modeling techniques are used in this course to investigate environmental problems and issues and to develop practical solutions. Students work individually and in teams to develop models for selected issues. Field data collection provides both parameterization and validation for modeling efforts. The use of models for predicting future impacts and developing policy are also discussed.

## **UNIQUE COURSE EXPERIENCES**

***Galapagos Islands Study Abroad*** -2012. I helped develop and deliver this study abroad course, which included offerings of *University Colloquium* and *Latin American Environments*, but did not go on the trip.

***The Human Land Relationship*** – 2010. This study abroad experience in St. Lucia was an interdisciplinary (involving both Environmental studies and art majors) engagement of the complex historical, cultural, economic, and ecological contexts that define the human/land relationship. The course included service learning projects.

***Water Ecology and Policy*** – 2009. This course was developed in collaboration with Ray Matlack at the West Texas A&M University (WTAMU). During the Spring term, honors students from both institutions worked virtually to explore water issues and compare west Texas to southwest Florida. After the Spring term, the students visited and explored both sites, traveling by van and camping or using university lodging.

***Tropical Ecology and Latin American Environments*** – 2001. Florida Gulf Coast University. These two courses were offered in conjunction with a field experience in the Peruvian Amazon over Spring Break.

***The University Colloquium: Ten Thousand Islands*** – 2006. In December we offered the required *University Colloquium* course in conjunction with Outward Bound – North Carolina. Students achieved the course goals through an eight-day canoe trip through the 10,000 Islands.

***Tropical Ecology*** – 1996. Radford University. This course was offered in conjunction with a field experience in Puerto Rico over Spring Break.

## ADDITIONAL TEACHING ENVIRONMENTS

**Jr. ROTO Summer Camp – June 2, 2017.** Developed and delivered a program for high school cadets as part of their summer camp through the Whitaker Center for STEM. We collaboratively organized an environmental science program around stormwater pond ecology, collecting and analyzing data on: water chemistry, forage fish communities, riparian vegetation and aquatic and riparian macroinvertebrate communities.

**Gopher the Cache** – August 16, 2008. Cooperating teacher in a field-based training program for K-12 teachers, focusing on monitoring vegetative communities associated with gopher tortoise habitat. Program Coordinators: Cindy Bear and Cathy Cochrane. Supporting faculty: Nora Demers. School District of Lee County Environmental Education. Florida Department of Education Challenge Grant.  
<http://itech.fgcu.edu/Faculty/ndemers/cache2008/index.htm>

**Summer Institute: Whitaker Center** - 2007 and 2008. Collaborating Teachers: Mike Savarese and Diane Schmidt. A two-week training program for K – 8<sup>th</sup> grade teachers focusing on integrating mathematics and science in field-based activities. Whitaker Center.

**Summer Research Opportunity** – 2006-2010, 2012-2013. Whitaker Center. Cooperating teacher in 2006, 2007 and 2012. In 2008, collaborated with Anne Hartley and Brian Bovard to develop a new version of this two-week program focusing on quantifying carbon dynamics of natural systems on the FGCU campus. 2009 and 2010 worked with Billy Gunnels to continue the program with a variety of student research projects based on campus. 2013 and 2014 worked with Brian Bovard to develop a carbon budget for cypress swamps in the Fakahatchee Strand State Forest. Students are from middle schools and qualify by reaching the Regional Science Fair.

**Geospatial Summer Institute: Project LAUNCH** - 2007 Collaborating teachers: Diane Schmidt, Tim Couch, and Larry Southard. A two-week course for K-12 teachers designed to apply systems analysis to watershed analysis, integrating applications to mathematics and science education, using the FGCU campus as a case study. Whitaker Center, NASA.

**Forest Plot Studies Training** – 2003. Project RISE. Collaborating Teachers: Deb Hanson, Charles O’Conner, Cindy Bear, and Mary Kay Cassani. A one-week course for in-service K-12 teachers to develop expertise in plot studies and forest ecology, to facilitate use of field-based activities in the K-12 classroom. Lee County Environmental Education

**Summer Leadership Program** – 2002. Brandwein Institute and Pocono Environmental Center. Co-teacher: Rick Tully. Two-week long, field-based, K-12 teacher education course designed to train teachers in use and assess field studies in their classroom and to stimulate cross-site and between-school comparative studies. Based at the Rutgers Creek Wildlife Conservancy.

## COURSE-BASED SERVICE PROJECTS

Estero River Park Development. Students explored options for the Village of Estero to capitalize on the Estero River as a recreational site. This included a bridge cleaning activity with community volunteers to support ecotours on the river. EVR 4326 *Conservation Strategies for a Sustainable Future*. Spring and Summer 2016. <http://www.winknews.com/2016/06/29/volunteers-revitalize-estero-river-bridge/>

Celebration of 50<sup>th</sup> Anniversary of the Publication of Silent Spring. Student created and delivered programs on the FGCU campus. Fall 2012. EVR 4326 *Conservation Strategies for a Sustainable Future*

Greater Fort Myers Chamber of Commerce Environment Day – student directed environmental programs. Fall 2011, 2013-2016. EVR 4326 *Conservation Strategies for a Sustainable Future*

Little Pine Island Environmental Education Plan - Marnier Properties, Inc. Fall 2008. EVR 4326 *Conservation Strategies for a Sustainable Future*

## **COURSE-BASED SERVICE PROJECTS - *continued***

Marine Touch-tank Interpretation Plan – Calusa Nature Center and Planetarium. Fall 2008 EVR 4326 *Conservation Strategies for a Sustainable Future*

Promotional Video Review – Calusa Nature Center and Planetarium. Fall 2008 EVR 4326 *Conservation Strategies for a Sustainable Future*

Fruit tree planting – FGCU campus. Summer 2008. IDS 3920 *University Colloquium*.

Lake Trafford Litter Clean-up. Summer 2008. IDS 3920 *University Colloquium*.

Pilot Study – Tree Inventory Bonita Springs. Fall 2007. IDS 4920 *Current Topics: Forest Ecology*

Littoral planting – FGCU Library Lake. Spring 2006. BSC 1051C *Environmental Biology*

Mangrove restoration planting – Shell Point. Camp Fire Program. Estero Bay Aquatic and State Buffer Preserve. July 12, 2000.

## **PUBLIC AND CAMPUS SERVICE – FGCU and southwest Florida**

### **FGCU Individual Faculty Service Excellence Award 2017**

**FGCU Faculty Senate, Secretary, 1999-2000, Parliamentarian 2007-2008**, Senator 2006-2007, 2010-2013, 2014-2016. Faculty Ad Hoc Team on Promotion Document 2015

Select Faculty Committee on Enrollment Management and Quality 2012-2013

MES Representative to the CAS College Governance Team, 2015-2016

Faculty Orientation Panelist: PDPs, Teaching Effectiveness 2014-2016

Facilitator: Breakout session on collaborative and collective action. Building Inclusive Campus Environments at FGCU: A Conversation with Faculty, Staff, Students and Administration. 3rd Annual Conference on Student Engagement and Persistence. FGCU. January 30, 2015

FGCU-UFF Co-President 2017- present, Bargaining Team 2014-present

FGCU Salary Compression and Inversion Study Committee 2008-2009

Teaching, Learning, and Assessment Initiative, CAS representative, 2010-2016

FGCU QEP Topic Selection Committee 2011

Safety and Facilities Committee 2010-2012

FGCU Student Union Advisory Board 2007–2010

Greater Fort Myers Chamber of Commerce, Environment Day Leader 2006-present

Calusa Nature Center and Planetarium Board Member 2006 - 2011

### **Whitaker Center Outreach Award 2006**

**2006 Coastal America Partnership Award**. Community-based Oyster Restoration.

FGCU CAS Peer Review Committee 2004 – 2006, Chair – 2004/2005

FGCU SACS QEP Committee 2003 – 2005, **FGCU Team Service Award**

FGCU Environmental Sustainability Committee 2014-2017

ESAC Subcommittee on Campus Watershed 2003 – 2005

FGCU “**Students’ Choice Award**” Nomination 2001-2002

**Estero Bay Agency on Bay Management, Chairperson 1997 – 1999, Vice Chair 1999 – 2001**

Chair, Best Management Practices Committee – 1999-present

Helped organize and facilitated a Cela Tega on: Land management symposium 6/9/2008

<http://itech.fgcu.edu/faculty/ndemers/CelaTega2008/index.htm>

Conservation Lands' Economic Value 11/2/2011.

<http://itech.fgcu.edu/faculty/ndemers/CelaTega%202011/index.htm>

Resiliency and Adaptations in the Estero Bay Region 12/12/17 <http://fgcu.edu/celatega/>

SW Florida Council for Environment Education, Board Member 1998 – present, Co-President 2006-present

FGCU University Environment Association: Co-advisor with J. Kakakreka. 2002-2012

**PUBLIC AND CAMPUS SERVICE – FGCU and southwest Florida (continued)**

Hickey's Creek Mitigation Park Advisory Committee 2003  
FGCU Commencement Reader. 12/19/04  
Lee County Extension – Farm Tour Guide 2001-2006  
State Science Fair Steering Committee 2001  
Environmental Management Systems (EMS) CORE Team, Chair of the Mitigation and Greenspace Task Force  
1999-2000  
Southwest Florida Amphibian Monitoring Network – Route Leader 1999-present.  
Fort Myers Beach Marine Resources Task Force. 1998 - 2001  
Caloosahatchee Riverwatch Citizens Association, Board member 1997 – 1999  
FGCU CAS Curriculum Team, 1999-2000  
FGCU Facilities SACS Review Committee, Chairperson Physical Resources 1998 -1999  
**Dean's Council Recognition of Excellence Award**  
FGCU CAS *Ampersand* Editorial Review Board 1997-1998  
FGCU College of Arts and Sciences Undergraduate Curriculum Committee 1998 - 1999  
FGCU Police Advisory Committee 1998 – 1999  
FGCU Sick Leave Pool 1997-2000  
FGCU Master's in Public Administration Advisory Board 1998-1999  
FGCU Faculty Development Committee 1996 – 1999  
FGCU Search Committees for: Mathematics and Science Education, Director of the Biotechnology Program,  
College Advisor, Laboratory Staff, Marine Biology, Chemistry, Environmental Education, Waterfront and  
Outdoor Adventures Supervisor, Environmental Policy, Environmental Science, Anthropology, Sociology,  
Math/Science Education, Wetland Ecology, Ecosystem Ecology, Conservation Biology, Sustainability  
Science.  
Lee County Environmental Education Advisory Board 1996 – 1998  
The Conservancy of Southwest Florida Environmental Education Committee 1997 – 1998  
FGCU Institutional Affairs Committee 1997- 1998  
Fort Myers News Press Editorial Board 1997  
Care and Rescue of Wildlife, VERT volunteer 1996  
Collier County Environmental Education Coalition 1996  
Institute for Food and Agriculture Immokalee Field Station Agroecology Advisory Board 1996

**PUBLIC AND CAMPUS SERVICE – previous institutions**

Radford University (RU) Committee on Facilitating Faculty Research 1996  
RU Task Force on Distant Education 1996  
RU Honors Program - Spring Symposium Faculty advisor 1995-1996  
RU General Education Committee on Faculty Development 1994-1995  
ESF Graduate Student Handbook Editor  
SUNY College of Environmental Science and Forestry (SUNY-ESF) Faculty Committee on Instruction,  
Subcommittee on Quality of Instruction  
SUNY ESF Knothole Editorial Staff  
SUNY ESF Committee on Teaching Assistant Training and Orientation  
SUNY ESF Chancellor's Award Committee  
SUNY ESF Faculty Committee on Public Service

**PUBLIC AND CAMPUS SERVICE – previous institutions (continued)**

SUNY ESF Committee on Public Safety  
SUNY ESF Convocation Host  
SUNY ESF Orientation Leader  
SUNY ESF Campus Tour Guide  
SUNY ESF Freshman Seminar Small Group Leader



## PROFESSIONAL SERVICE

Biodiversity Conference Steering Committee 2016-2017, 2018-2019  
Big Cypress National Preserve Off-Road Vehicle Advisory Board (FACA) 2007 - 2016  
SWF Water Resources Conference Steering Committee. 1997-present, Program Co-Chair: 2001, 2007  
Review of study of impacts of fireworks on birds in Estero Bay. M. Westfall. 7/4/02. City of Bonita Springs  
Facilitator: "Exploring New Directions" Project Kaleidoscope F21 National Assembly. Washington D.C. 10/16/02  
NSF Long-Term Ecological Research Program. All-Scientists Meeting Student Committee. 1993  
Proposal reviewer. Board on Science and Technology for International Development of the NRC, NSF  
Long-Term Research in Environmental Biology, National Fish and Wildlife Foundation, Volkswagen  
Foundation, The Charles A. and Anne Morrow Lindbergh Foundation.  
Chaired a session on Intersite and Synthetic Research at the 1993 NSF Long-Term Ecological Research All  
Scientists Meeting, Estes Park, Colorado  
Manuscript reviewer, *Ecological Economics*, *Ecology*, *Charlotte Harbor National Estuary Program*, *Southeastern  
Naturalist*, and *Florida Scientist*  
Reviewer: Proceedings of the Charlotte Harbor Public Conference and Technical Symposium, Charlotte Harbor  
National Estuary Program  
Curriculum Review – Master Naturalist Program  
Text book review, *Environmental Science: A Global Concern*. 8<sup>th</sup> Ed. McGraw-Hill.  
Text book review, *Models and the Interpretation of Field Data*. Blackwell Scientific

## PROFESSIONAL ASSOCIATION MEMBERSHIPS – *past and present*

Association for Tropical Biology  
Ecological Society of America  
Exotic Plant Pest Control Council  
Florida Academy of Sciences  
Florida Association of Environmental Professionals  
International Association for Landscape Ecology  
International Society for Ecological Modeling  
International Society of Tropical Ecology  
Society for Ecological Restoration  
Society for Conservation Biology

## VIDEOGRAPHY AND PUBLIC OUTREACH

*Preserving Our Waters.* (<http://video.wgcu.org/video/2365914089/>). Video production in collaboration with Tom James of Pelican Media for the 50<sup>th</sup> Anniversary of the Estero Bay Aquatic Preserve. 2016.

*Ridge to Ranch to River to Reef: Florida's Conservation Connections.* Voice over for Pace University Media  
<https://www.youtube.com/watch?v=TpM-4qkIIvs&feature=youtu.be>

*CHNEP Citizens Academy: Water and Plants in our Watershed.* Online personality for CHNEP Program.  
<https://www.youtube.com/watch?v=tjT9FthA1i8>

*Curious Kids: Lakes, Rivers & Estuaries.* Online personality for WGPU Curious Kids segment. 12/17/2016.  
<http://video.wgcu.org/video/2365914526/>

## PRESENTATIONS TO THE GENERAL PUBLIC – (*this is an incomplete list*)

“Guiding Ecological Change”. Keynote address for Earth Day at Calusa Nature Center and Planetarium. 4/22/17

“Importance of Wetlands.” Protecting Wetlands to Save the Caloosahatchee. Community Forum. Harborside, Ft. Myers. 10/9/2014

“Local environmental issues” Living a Connected Life: Spirituality and the Environment. Messiah Lutheran Church. 9/1/14.

“DRGR and Water Resources” Citizens Water Advisory Task Force. Bonita Springs, 9/8/14

“Local Ecology and Global Initiatives.” Panel presentation on environmental sustainability. Co-presenters: Neville Williams, “Alternative Energy Resources”, Neil Wilkinson, “Education for Sustainability”. Progressive Voices, UUCGN’s annual lecture series. March 12, 2014, Naples.

“Water. Water, Everywhere...” Water Wars Workshop. Care for God’s Creation. A Principle of Catholic Social Teaching. Leaven Conference. Diocese of Venice Peace and Justice Office. March 24, 2012. San Pedro Parish. North Port, Florida.

Threats to Wildlife and Habitat. Naples Chamber of Commerce Leadership Program. Conservancy of SWF, Naples. January 7, 2009

Botanical Research at FGCU. Native Plant Society. October 9, 2008. Ft. Myers.

Humans and wildlife on the FGCU campus. Co-presented with J. Jackson. Focus on the Campus Forum. October 8, 2008.

Environmental research at FGCU. Parent’s Weekend. October 18, 2008. FGCU.

Ecotour of the FGCU campus. Parent’s Weekend. October 18, 2008. FGCU.

Ecological Myths in SWF. Bonita Springs Chamber of Commerce Leadership Program. November 20, 2008.

Flora and fauna of Southwest Florida. Panel presentation. Greater Naples Leadership Day. January 9, 2008.

Hurricane Disturbance Ecology of SW Florida. Lee County Environmental Education Program Faculty Representatives. January 3, 2007.

## **PARTICIPATION IN POPULAR PRESS AND PUBLIC RELATIONS - (76 - this is an incomplete list)**

- Ecological Myths in SWF. Bonita Springs Chamber of Commerce Leadership Program. November 20, 2008.  
SWF Environments and Environmental Issues. Bonita Springs Chamber of Commerce Leadership Program. March 10, 2006.
- Environment of Southwest Florida. Panel presentation. Greater Naples Leadership Day. December 6, 2005.
- Journey into the Mangroves. Ding Darling Days. J.N. Ding Darling National Wildlife Refuge. October 12, 2005. Sanibel, Florida.
- Environmental Programs at FGCU. Lee County United Methodist Men Breakfast Meeting. June 8, 1998.
- “Chalkboard” Pamela McCabe and Thyrie Bland. The News Press. August 28, 2016
- “College of Life teams up with FGCU.” Patrick Riley. The News Press June 30, 2016.
- “Eyesore No More; volunteers cover graffiti.” Patrick Riley. Naples Daily News. June 30, 2016.
- “Volunteers revitalize Estero River Bridge.” WINK News. <http://www.winknews.com/2016/06/29/volunteers-revitalize-estero-river-bridge/>
- “The truth about alligator attacks in Florida” Levi Ismail. NBC 2 News. June 15, 2016. <http://www.nbc-2.com/story/32232500/the-truth-about-alligator-attacks-in-florida>
- “It’s About Water”. The News-Press, Coastal Life. March 15, 2015
- “Wetlands loss worries EPA in SW Florida, US” The News Press Local. 10/15/2014
- “[FGCU Biologists and Lee County Mosquito control study the effect of spray on non target species](#)” The News-Press 9/11/2014
- “Field tests track insecticide” The News Press Local 7/8/2014.
- “Call of the Wild” Drew Sterwald. Pinnacle Magazine. Fall 2013. (<http://www.fgcupinnacle.com/pinnacle-articles/features/call-wild>)
- “Lake Trafford’s fans hope luck beats muck.” Chad Gillis News Press April 23, 2013
- “Florida: Indiantown.” A Florida Gulf Coast University team is tracking Eastern indigo snakes in a two-year study on the effects of Everglades’ restoration on the threatened species. USA Today March 11, 2013
- “Snakes on the right track: Researchers monitor reptiles to gauge impact from Everglades Project.” Kevin Lollar. News Press. March 20, 2013.
- “Frog fan leap to conclusion” Amy Bennett Williams. The News Press Tropicalia. May 29, 2012
- “Elusive Forest Rulers” Cathy Chestnut. Expressions May 2012.
- “[FGCU Perspectives - Oil Spill Impacts](#)” 2/2/2011.
- FGCU Quarterly Report #122. Environmental Initiatives. WFCU PBS. January 2010.
- “[Lyn Millner Asks: Is the Environment Croaking?](#)” June 9, 2009. Oxford American.
- Panel recommends scrapping plans for 951-extension through south Lee. C. Whitehead. Bonita News. 1/26/09
- “Solar Area Volunteer Efforts struggles with removal of plants” Alex Pena. Eagle News 1/21/09. [www.eaglenews.org](http://www.eaglenews.org)
- “Students do part for the ecosystem” Ryan Hiraki. The New-Press. 1/18/09.

## **PARTICIPATION IN POPULAR PRESS AND PUBLIC RELATIONS – *continued***

- “You can’t text-message the birds and the trees” Jesse Millner. Gulfshore Life. December, 2008.
- “Hurricanes and the Environment” Gulf Coast Live. WGPU. 9/9/08.
- “The Arnold Committee” Gulf Coast Live, WGPU. With: W. Daltry and K. Arnold. 7/29/08.
- “Marine Laboratory: Graduate Education and Mentoring at the Marine Lab” SCCF Newsletter. July 2008.
- “Muck is gone, plants are going in” Kevin Lollar. The News Press. 6/1/08.
- “Vester Field Lab in Use” CAS newsletter Vol. 2(1). August, 2008.
- “Birdman of Southwest Florida” *Pinnacle*. Fall 2008
- Wild Florida: Sea Turtles and Frogs and Toads. 2008.
- “University shows environmental commitment in variety of ways.” FGCU: The First Decade. Community Day, October 27, 2007.
- “Natural Attraction” *Pinnacle MAGAZINE*. Winter 2007
- “Students sow in Charley’s wake” Kevin Lollar. The News Press. 10/14/07.
- “FGCU: An Environmental Case Study. The Colloquium”. WGPU.
- “State’s future shrinks by 2100” Kevin Lollar. The News Press. 4/13/07.
- “FGCU interns get at root of exotic’s impact”. Kevin Lollar. The News Press. 4/5/07.
- “FGCU researches which trees stand up best to hurricanes” Jeremy Cox. Bonita News. 2/26/07.
- “Southwest Florida Water Environmental Association establishes endowed scholarship” *Vision*. Winter 2007.
- “CREW Partnership Highlights 2006: Science” CREW Land & Water Trust. 2006 Annual Report.
- “FGCU gets \$7.7 million for research” Christina Cepero. News Press. 12/7/06.
- “FGCU students canoe and sleep in the Everglades for class” Matt Conn. The News Press. 12/15/06.
- “A bittersweet symphony: Southwest Florida’s outdoor moonlight serenade is quieting – and humans might be to blame” Julio Ochoa. Naples Daily News. 9/25/06.
- “Calling all frogs” Lyn Milner. Weekend America. 9/2/06, and Morning Edition. WGPU. 9/06  
[http://weekendamerica.publicradio.org/programs/index\\_20060902.html](http://weekendamerica.publicradio.org/programs/index_20060902.html)
- “Hogs on the Quad”. Samatha Henig. The Chronicle of Higher Education. 9/15/06.
- “Teachers go into the wild” Matt Conn. The News Press. 7/13/06.
- “FGCU study may affect future stormwater pond permit requirements. Diane McDilda. *Enviro-Net* 6/12/06. (www.enviro-net.com)
- “FGCU students raise environmental concerns” Matt Conn. The News Press. 5/25/06.
- “FGCU’s campus usually hosts handful of gators. Professor says growth may eventually push them out. Matt Conn. The News Press. 5/18/06.
- “FGCU studies effects of wildfire” Pamela Smith Hayford. The News Press. 6/23/04.
- “Charred remains to become outdoor classroom for some FGCU students” Christina Holder. Naples Daily News. 6/9/04.
- “Study highlights a way to reduce pollution” Editorial Naples Daily News. 4/14/06
- “Study: Retention ponds vary on ability to remove pollutants” Kate Spinner. Naples Daily News. 4/11/06.

**PARTICIPATION IN POPULAR PRESS AND PUBLIC RELATIONS – *continued***

- “Mangroves and hurricanes” *Islander*. 8/19-25/05.
- “Recovery from storms harder, scientists say” Pamela Smith Hayford. *The News Press*. 10/28/04.
- “Biologists share theory on how hurricanes may affect Florida’s ecology”. Chad Gillis. *Naples Daily News*. 10/24/04.
- “Everham Steps Down” *Eagle News*. 9/22-29/04.
- “Collier project begins Glades restoration” Eric Staats. *Naples Daily News*. 10/17/03.
- “FGCU Sets up permanent forest diversity research plot as CREW Trails” *CREW News*. Fall 2003.
- “Communities’ comprehensive plans become target for constitutional amendment” Jeremy Cox. *Naples Daily News*. 8/13/03.
- “Estero Bay management agency to help city with groundwater study” Charlie Whitehead. *Bonita Daily News*. 2/11/03
- “Friends partner with FGCU” *Bonita Banner*. 1/22/03.
- “ABM may support FGCU marine lab on Lower’s Key” Chad Gillis. *Bonita Daily News*. 11/5/02.
- “FGCU’s environmental commitment questioned” David E. Plazas. *The News Press*. 10/29/02.
- “Estero Bay Agency likes look of potential marine lab site near Lower’s Key” Chad Gillis. *Bonita Daily News*. 6/25/02.
- “FGCU Prof Win Everham goes the extra distance ... underwater” Emily Denlinger. *The Eagle*. 2/17-24/02.
- “Campus Photo of the Week” *The Eagle*. 1/21-27/02
- “International Coastal Cleanup: Pitching in, picking up” Christine Girardin. *Bonita Banner*. 9/26/01.
- “Resident Merwin supports development of regional mall” Corrie Pieteron. *The Eagle*. 11/27/00.
- “Estero Bay management agency will work to redefine goals” Charlie Whitehead. 10/10/00.
- “Faculty debates university’s five-year plan” Angel Streeter. *The News Press*. 2/19/00.
- “Fakahatchee Strand Park enraptures researchers” Kevin Lollar. *The News Press*. 12/10/99.
- “Hurricanes and their challenge to wildlife” Kevin Pierce. *Florida Environment*. October 29, 1999.
- “An environment’s adaptation to hurricanes” Kevin Pierce. *Florida Environment*. October 28, 1999.
- “Hurricanes and environmental disturbance” Kevin Pierce. *Florida Environment*. October 25, 1999.
- “Technology meets nature” Cameron Gillie. *Naples Daily News*. 6/11/99.  
<http://www.naplesnews.com/today/bonita/d273169a.htm>
- Lee County Water Facts. Win Everham’s Story. [http://www.leewaterfacts.com/stories\\_everham.htm](http://www.leewaterfacts.com/stories_everham.htm)
- “Good or ill, university shapes its environs” Jill Higgins. *Naples Daily News*. 10/24/97.
- “School stands behind high-tech podiums” Janel Shoun. *Naples Daily News*. 2/27/97.
- “FGCU planning curriculum with eye to the environment: Eric Staats. *Naples Daily News*. 11/12/96.
- “FGCU students can clean up act on the environment” Mary Woznaik. *The News Press* 10/6/96
- “FGCU workshops to design curriculum” *Naples Daily News*. 9/11/96

## CREATIVE WRITING

“Cypress Dome 2/29/10” and “Old Trees” poems read at the Writing Awards Ceremony. FGCU. April 15, 2016

“Six Mile Cypress Slough – 10/14/15” Samuel Pepys Open Mic Reading, FGCU. November 19, 2015.

“Florida Dogs in the Desert Heat”, essay as Featured Speaker to the Samuel Pepys Open Mic Reading, FGCU. September 29, 2015.

“After three centuries, Olga Oak is a venerable survivor - Battered, broken, but still standing, the Olga Oak is a tribute to nature’s resilience” The News Press. *Tropicalia*. August 9, 2015. <http://www.news-press.com/story/life/outdoors/2015/08/08/olga-live-oak-florida-caloosahatchee-tree-cassani-everham-fgcu/31124405/>

“Florida Dogs in the Desert” essay. Presented at FGCU Earth Day. April 7, 2015

“The Turtle and the Bird” short story. 1994. 20<sup>th</sup> Annual Knothole Creativity Contest. First Place, Short Story. State University of New York College of Environmental Science and Forestry. Syracuse, NY

“I watched him walk into the forest” poem. Winter 1994. *Ecologue*. College of Environmental Science and Forestry State University of New York. Syracuse NY

“My Room” poem. 1985. The Paper Refuses No Ink. Waukesha School District Writing Project. Waukesha, WI

## INTERNATIONAL EXPERIENCE

St. Lucia, Human Land Relationship, art and environmental studies interdisciplinary course 2010

Bahamas, Andros Island. Broward County Native Plant Society Field Trip, November, 2003.

Peru, Amazon River. March, 2000. Tropical Ecology Course.

Puerto Rico. March, 1996. Tropical Field Ecology Course.

Edinburgh, Scotland. July, 1993. Conference on wind and wind-related damage to trees.

Oral and poster presentation.

Archibold Tropical Research Institute, Dominica. March 1993. Hurricane recovery research.

Luquillo Experimental Forest, Puerto Rico. Summer 1990, 1991

January 1992 - January 1993. Dissertation Research

Malawi, Africa. 1986-1988. United States Peace Corps volunteer.

## ADDITIONAL TRAINING AND CERTIFICATION

2015 Python capture training  
2014 Interest Based Bargaining (IBB). FGCU CBA Negotiation Training  
2014 CITI Program: Conflicts of Interest, Biomedical and Social and Behavioral Research  
2013 First Responder Training and certification, re-training June 2015  
2008 PADI Open Water SCUBA Certification  
2007 Introduction to ArcView – Rookery Bay NERR  
2006 Coastal Watershed Institute Affiliated Faculty appointment  
2006 Primer Training, Tampa Florida  
2006 Influence of slow circulation on fresh water reservoirs – training through Solar Bee. 10/6/06. Dickerson, ND  
2006 Outward Bound Teachers Field Experience, North Carolina Outward Bound  
2004 NIH IRB Member Certification Training. Certification # 73207818207  
2003 Traffic Modeling Short Course. Leftwich Consulting Engineers, Inc. 11/6/03  
2003 Water Quality Training Session, EPA, FDEP, USACE, SFWMD, WERC. 11/20/03  
2003 Supervisory and Conflict Management Skills Training Florida Gulf Coast University August, 2003  
2003 Negotiation and Mediation Skills – Florida Institute of Government. 2/21/03  
2003 STORET Training, Florida Department of Environmental Protection  
1999 Boat Smart Course, Ostego Bay Power Squadron  
1998 CORE Herbicide Training and Certification  
1998 Medical Emergencies at sea, land, or elsewhere. R.B. Tober, MD. NCH Healthcare System  
1997 Paul F. Brandwein Institute Fellow  
1996 Wildlife Rehabilitation, CROW, Sanibel, Florida.  
1993 Training Seminar in Animal Care and Use. SUNY ESF. Syracuse, New York.  
1989 Syracuse University Teaching Assistant Training Program  
1988 Columbia University Peace Corps Math/Science Education Workshop. Lilongwe, Malawi  
1986 Certificate of Language Proficiency Chichewa 1+. Lilongwe, Malawi  
1986 Red Cross Basic First Aid and CPR. Waukesha, Wisconsin.  
1981-1990 Wisconsin Secondary Teaching Certification. Science, Biology, and Chemistry.  
1985-1986 Wisconsin Vocational, Technical and Adult Education Certification.  
1981-1982 Oregon Teaching Certificate Secondary Biology  
1980- \1986 Michigan Secondary Teaching Certification. Science, Biology, Chemistry Grades 7 - 12  
1980 US Forest Service Fire Fighting Training. Detroit, Oregon.  
1980 National Safety Council's Defensive Driving Course. Detroit, Oregon.  
1978 PADI certified Basic SCUBA diving.

## COMPUTER SKILLS

Programming: FORTRAN, Pascal, BASIC, HTML  
Instructional: CANVAS, STELLA, VenSim, Powerpoint, Authorware, Adobe Premiere  
Analysis: Primer 6, SIGMAPLOT, PARADOX, SAS, SPSS, ACCESS, EXCEL,  
GIS: ArcGIS, IDRISI, ARC/INFO, ArcView, ERDAS, GRASS, RPA MAP Series, Atlas  
Operating Systems: MS DOS, Windows, Macintosh, UNIX