

CURRICULUM VITAE
Edwin M. Everham III, Ph.D.
August 1, 2008

PROFESSIONAL INTERESTS AND GOALS

My research interest is examining the impacts of disturbance, including exotic invasions and anthropogenic activities, on forest communities and 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. 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.

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.

PROFESSIONAL POSITIONS

August, 1996 – August, 2000, August 2004 - present

Florida Gulf Coast University

Associate Professor and Program Director of Environmental Studies (Associate Professor from August 1999)

Responsible for the 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. Courses: General Ecology, Environmental Philosophies, Environmental Biology, General Biology II with Laboratory, Ecosystem Research and Monitoring, Issues in Ecology and the Environment, Environmental Literature, University Colloquium: A Sustainable Future, Introduction to Geographical Information Systems, Scientific Process, Caribbean Environments, African Environments, and Current Topics Seminars on: Exotic Species, Threatened and Endangered Species, Forest Ecology and Disturbance Ecology. Graduate courses: Environmental Research Methodologies, Advanced Ecology.

August, 2000 – August, 2004

Florida Gulf Coast University

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 and staff.

August, 1994 - June, 1996

New College of Global Studies, Radford University

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

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.

RESEARCH PUBLICATIONS

- Holtzclaw, R.J., E.M. Everham III, and B. Thomas. 2007. Hurricane research at Archbold Biological Station. Final Report. Contract 26169. Archbold Biological Station.
- J.G. Key**, E.C. Pieteron, B. Thomas, and E.M. Everham III. 2007. Six Mile Cypress Slough Preserve Hydrological Monitoring. 2007 Final Report. Lee County Parks and Recreation
- Everham, W. 2007. Do you really need that lawn? *Gulfshore Life*. March: 112-118.
- Everham, E.M., III. Lake Trafford: State of the Lake Report. Lake Trafford Watershed Managment 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.
- 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.
- Pieteron, 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(supple. 2): 117-126.
- E.M. Everham III, 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.
- 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 Cannizzaro, P.J. (ed.) Proceedings of the Thirty First Annual Conference on Ecosystems Restoration and Creation. Hillsborough Community College. Tampa, Florida
- Brokaw, N., S. Fraver, J.S. Grear, J. Thompson, J.K. Zimmerman, E.M. Everham III, R. Waide, 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. The University of Chicago Press.
- Brokaw, N., J. Thompson, J.K. Zimmerman, E.M. Everham III, R. Waide, and D. Schafer. 2004. Luquillo forest dynamics plot, Puerto Rico, United States. In E. Losos and E. Leigh Jr. (eds.) Forest Diversity and Dynamism. The University of Chicago Press.
- 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.
- E.M. Everham III and R. Holtzclaw. 2001. Ocean Agriculture Hydroponics Project Final Report.
- 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.
- 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.

RESEARCH PUBLICATIONS – continued

- 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.
- 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.
- 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.
- 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.
- 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 CO₂*. Kluwer Academic Publishers. Boston.
- 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.
- Everham, E.M., III, K.M. Wooster, and C.A.S. Hall. 1991. Forest landscape climate modeling. 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

EDUCATION PUBLICATIONS

- 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.
- Sullivan, B and E.M. Everham III. 2004. Life at the Boundaries. *Interdisciplinary Literary Studies*. 5(2): 1-15.
- 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.
- 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 Teaching*. 31(6): 364-369.
http://www.nsta.org/main/news/stories/college_science.php?news_story_ID=46684
- 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. 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.
- Everham, W. 1991. Professors in training. Focus on Instruction events, issues, and ideas on teaching and learning at SUNY-ESF. Winter 1991
- Everham, E.M., III. 1988. Final Report: Pre-Service Teacher Training July 9 – September 21, 1988. US Peace Corps. Lilongwe, Malawi.

ORAL PRESENTATIONS

- Impacts of aeration on deep and shallow wet detention ponds southwest Florida. Co-presenter: Tim 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 II, D. Hamilton, B.L. Thomas, C. Wilson, B. Kolhoff, J. Hahner**, D.W. Ceilley, M.K. Cassani. Charlotte Harbor Watershed Summit 2008. Edison College, Punta Gorda, Florida. March 27, 2008
- 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.
- Hurricanes and mangroves in SWF: is the ball out of the bowl? Mangrove Symposium. Conservancy of Southwest Florida, Naples, Florida. February 10, 2007.
- Journey into the Mangroves. 2005. "Ding" Darling Days. J.N. Ding Darling National Wildlife Refuge. October 12, 2005. Sanibel, Florida
- Citizen Science: Frog Listening Network. 2005. Ecotour Operator Series Workshop. Rookery Bay National Estuarine Research Reserve. September 15, 2005. Naples, Florida.

ORAL PRESENTATIONS - continued

An Initial Assessment of Hurricane Impacts to Southwest Florida Forested Ecosystems. Kevin B. Kaufman, Edwin M. Everham III, Brenda Brooks-Solveson and **Samuel Miles**. Charlotte Harbor Watershed Summit 2005. Punta Gorda, Florida. February, 2005

Five-years of the Southwest Florida Frog Monitoring Network: changes in frog communities as an indicator of landscape change. E. Corrie Pieteron, Lindsey M. Addison, **Jorge Agobian**, **William Bluhm**, Brenda Brooks-Solveson, John Cassani, Edwin M. Everham III, **David Hoppa**, **Amy Orlando**, and Bradley W. Smith. Charlotte Harbor Watershed Summit 2005. Punta Gorda, Florida. February, 2005

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

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

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

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. FGCU. November 2001.

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

Florida Gulf Coast University's Campus Ecosystem Model, Co-authored with Joseph Kakareka. 15th National Conference on Undergraduate Research, NCUR 2001. Lexington, Kentucky, March 15, 2001.

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

Estero Bay Rapid Bioassessment. Technical Advisory Committee. Charlotte Harbor National Estuary Program. June 21, 2000.

The Campus Ecosystem Model. Co-authored with Greg Tolley. 21st 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, Jacksonville, April 1999.

The FGCU Story. Team presentation with Nora Demers, Win Everham, Joe Kakareka, Mike McDonald, and Greg Tolley. Creating and Sustaining Learning Communities: Connections, Collaboration, and Crossing Borders" (Learning Communities Conference), University of South Florida, March 1999.

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

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

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. Syracuse, New York. November 20, 1995.

ORAL PRESENTATIONS - continued

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

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

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

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

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

Beyond technocratic hegemony: scientists, policy makers, and computers in the post-modern era. Shifting Paradigms in Science and the Environment. Syracuse, New York. April, 1993

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. Oak Ridge, Tennessee. March, 1993

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

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

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

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

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

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

POSTERS AND CO-AUTHORED PRESENTATIONS

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

POSTERS AND CO-AUTHORED PRESENTATIONS - continued

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. Florida Gulf Coast University Research Day. Ft. Myers, Florida. April 18, 2008

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. Ft. Myers, Florida. April 18, 2008.

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**. Florida Gulf Coast University Research Day. Ft. Myers, Florida. April 18, 2008

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

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

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

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. 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. Florida Gulf Coast University Research Day. Ft. Myers, Florida. April 20, 2007

Hydrologic monitoring of Six Mile Cypress Slough. 2007. Florida Gulf Coast University Research Day. Ft. Myers, Florida. April 20, 2007

Riparian vegetation along tributaries to Estero Bay. 2007. Florida Gulf Coast University Research Day. Ft. Myers, Florida. April 20, 2007

POSTERS AND CO-AUTHORED PRESENTATIONS - continued

Hurricane impacts on mangrove forests in southwest Florida. 2006. Co- authors: **J. Panepinto, R. Sandsmark**. Florida Gulf Coast University Research Day. Ft. Myers, Florida. April 21, 2006

Nutrient dynamics in human-created wetlands in southwest Florida. 2006. CO-author: **Jeff Key**. Florida Gulf Coast University Research Day. Ft. Myers, Florida. April 21, 2006

Impacts of Hurricane Wilma on the Florida Gulf Coast University campus ecosystem. 2006. Florida Gulf Coast University Research Day. Ft. Myers, Florida. April 21, 2006

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

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.

Impact of Wildfire on *Melaleuca* Survival and recolonization in restored habitats. 2005. Co-authors: B. Brooks-Solveson, 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. 2005. Florida Gulf Coast University Research Day. Ft. Myers, Florida. April 22, 2005.

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

Scientific Process: An Interdisciplinary Core Natural Science Course as a Mechanism for Faculty Collaboration. M. Savarese, N. Demers, E.M. Everham III, A. Volety, J. Kakareka. GSA Meeting. Denver, Colorado. November, 2004

Establishment of a Forest Dynamics Plot on a Pine Upland in the Corkscrew Regional Ecosystem Watershed Land Trust. Poster, with M.K. Cassani and Deborah Hanson. 3rd Annual FGCU Research Symposium. April 23, 2004
The impact of the invasive exotic *Melaleuca quinquenervia* on the recruitment of native tree species. Poster, with M.K. Cassani. 2nd Annual FGCU Research Symposium. April 25, 2003

Impact of *Melaleuca* on slash pine and cypress. Poster, with M.K. Cassani, and **H. Wegis**. 1st Annual FGCU Research Symposium. April 2002

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

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. Estes Park, Colorado. September, 1993.

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. Edinburgh, Scotland. July, 1993.

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

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. San Juan, Puerto Rico. June, 1993.

POSTERS AND CO-AUTHORED PRESENTATIONS - continued

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

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

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

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

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

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. Catalina Ranger Station, Puerto Rico. January, 1992

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. San Antonio, Texas. August, 1991.

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

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

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. Rio Piedras, Puerto Rico. January, 1991.

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

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

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

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. Puerto Rico. January, 1990.

Undergraduate co-authors in bold

GRADUATE STUDENTS

Kaufman, K.B. 2006. Catastrophic wind damage and its effect on forest ecosystems in southwest Florida. MS Thesis. Florida Gulf Coast University. Ft. Myers, Florida

Holzclaw, R.J. 2008. Does fire history influence the severity of hurricane impacts on a pine scrub ecosystem? MS Thesis. Florida Gulf Coast University. Ft. Myers, Florida

UNDERGRADUATE SENIOR RESEARCH PROJECTS MENTORED

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.

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.

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

A predictive model of potential archaeological sites on Babcock Ranch. Scott W. Goodwin. 2005

Mangrove species recovery following a hurricane. Eric Sandsmark. 2005

The effect of controlled burning on subsequent hurricane damage. Sam Miles. 2004.

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.

Mold analysis in academic buildings and dormitories at Florida Gulf Coast University. Lasheba Travis 2004.

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 its accessibility in Lee and Collier Counties. Stephanie Timperley. 2002.

Analyzing quality measurements of winter overseeding effects on golf course fairways. Erik M. Hansen. 2002

UNDERGRADUATE SENIOR RESEARCH PROJECTS MENTORED - continued

Long term fish monitoring at the FGCU campus. Glenn Buchner. 2002

The impact of *Melaleuca quinquenervia* on the growth of *Pinus elliottii*. James W. Grimes. 2001.

A baseline study involving the presence of *Osteopilus septentrionalis* (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.

HCHO levels during dissections. Cynthia Lange. 1999.

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

RESEARCH GRANTS awarded

2008 Babcock Ranch Community baseline biological assessment: fish, herps, mammals. Co-PI: D.W. Ceilley, co-PIs Phil Allman, B. Jackson, J. Jackson. Kitson and Partners, Inc. \$85,625.00

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. \$769,083.00

2008 Corkscrew Regional Ecosystem Watershed Hydrology Reconnaissance. PI Brian Bovard. South Florida Water Management District. \$25,000.00

2008 Tape Grass Restoration Feasibility Study. PI: D.W. Ceilley. Lee County Board of County Commissioners. \$10,000.00

2007 Lake Trafford Monitoring Phase II. co-PI: D.W. Ceilley. Big Cypress Subbasin South Florida Water Management District. \$50,000.00, Supplement \$25,000.00 extension to 9/30/08

2007 Wood stork foraging habitat assessment for SW Florida. PI: D.W. Ceilley. National Audubon Society, Inc. \$6400.00

2007 Hurricane research at Archbold Biological Station. Archbold Expeditions. \$7000.00

2007 Hickey's Creek Mitigation Park Plant Inventory: I. Co-PI: G. Wilder. Lee County Parks and Recreation. \$10,000.00

2007 Data analysis of water quality. PI: D.W. Ceilley. Florida Department of Environmental Protection – Bureau of Watershed Management. \$24,487.00

2007 Six Mile Hydrology Monitoring II. Co-PI: D.W. Ceilley. Lee County Parks and Recreation. \$7,176.00

2006 Lake Trafford Watershed Monitoring Plan Phase I Research. Big Cypress Subbasin South Florida Water Management District. \$50,000.00

2006 Hydrological Monitoring for Six Mile Cypress Slough. KLECE, Inc. \$10,000.00

2006 Estero Bay Tributaries Riparian Vegetation Analysis. South Florida Water Management District. \$95,000.00

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. \$4,000.00

2005 A new look at *Melaleuca*: a genetic approach to an ecological problem. M. Cruz-Alvarez and W. Everham. FGCU Internal Grant Program. \$5000.00

2005 Estero Bay Tributaries Analysis. Conservancy of Southwest Florida. \$12,000.00

2004 Lake Nutrients Project. \$43,000. In-kind project with the Florida Department of Environmental Protection.

2000 A comparison of hydroponic formulas for the production of tomatoes. \$25,000 (with R. Holtzclaw).

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 G. Tolley).

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 DEVELOPMENT GRANTS awarded

- 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
- 2005 Field Modules, Charlotte Harbor National Estuary Program. \$2978. (with M.K. Cassani, and B. Hammond)
- 2001 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)
- 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. \$2500.00. (with Charles 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)

CURRICULUM DEVELOPMENT

- South Florida Water Management District
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, M. Savarese.
- Florida Gulf Coast University
Development of a Master of Science Degree in Environmental Science, with J.A. Jackson.
- Suncoast Area Center for Educational Enhancement
Development of an interdisciplinary introductory science module for undergraduates focusing on biodiversity and estuaries to illustrate scientific processes. The module is entitled “ Are humans dinosaurs, an asteroid, or both? A study of the methods and goals of science.”
- 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.
- 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
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.
- 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.
- Waukesha North High School
Development of autotutorial computer programs for chemistry. Participation in the development and implementation of a team-taught interdisciplinary math and science course.

PROFESSIONAL ASSOCIATION MEMBERSHIPS

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

PROFESSIONAL SERVICE

Big Cypress National Preserve Off-Road Vehicle Advisory Board 2007 - present
Coordinating Committee SWF Water Resources Conference, FGCU. November 2003. 1999 - present
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
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

PUBLIC AND CAMPUS SERVICE

FGCU Student Union Advisory Board 2007 – present
Whitaker Center Outreach Award 2006
FGCU CAS Peer Review Committee Chair – 2005 - present
FGCU SACS QEP Committee 2003 – 2005, FGCU Team Faculty Service Award
FGCU ESAC subcommittee on Campus Watershed 2003 - 2005
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 land management symposium 2008
SW Florida Coalition for Environmental Education, Board Member 1998 – present, Co-President 2006-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 Faculty Senate, Secretary, 1999-2000, Parliamentarian 2007-2008
FGCU Facilities SACS Review Committee, Chairperson Physical Resources 1998 -1999
FGCU College of Arts and Sciences Undergraduate Curriculum Committee 1998 - 1999
FGCU Police Advisory Committee 1998 - 1999
FGCU Faculty Development Committee 1996 – 1999
FGCU Search Committees for: Director of the Biotechnology Program, College Advisor, Laboratory Staff, Marine
Biology, Chemistry, Environmental Education, Environmental Policy, Environmental Science,
Anthropology, Sociology, Secondary Science Education, Wetland Ecology, Ecosystem Ecology
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
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

PUBLIC AND CAMPUS SERVICE - continued

ESF Graduate Student Handbook Editor
ESF Faculty Committee on Instruction, Subcommittee on Quality of Instruction
ESF Committee on Teaching Assistant Training and Orientation
ESF SUNY Chancellor's Award Committee
ESF Faculty Committee on Public Service
ESF Committee on Public Safety
ESF Convocation Host
ESF Orientation Leader
ESF Campus Tour Guide
ESF Freshman Seminar Small Group Leader
Syracuse Science Fair Judge

INTERNATIONAL EXPERIENCE

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.

COMPUTER SKILLS

Programming: FORTRAN, Pascal, BASIC, HTML
Instructional: STELLA, Powerpoint, Authorware, Adobe Premiere
Software: Primer 6, LOTUS 123, QUATTRO PRO, SIGMAPLOT, PARADOX, SAS, ACCESS, EXCEL
GIS: ArcGIS, IDRISI, ARC/INFO, ARCView, ERDAS, GRASS, RPA MAP Series, Atlas
Operating Systems: MS DOS, Windows, Macintosh, UNIX

ADDITIONAL TRAINING AND CERTIFICATION

2008 PADI Open Water SCUBA Certification
2006 Coastal Watershed Institute Affiliated Faculty appointment
2006 Primer Training
2004 NIH IRB Member Certification Training
2003 Water Quality Training Session, EPA, FDEP, USACE, SFWMD, WERC. November 20, 2003
2003 Supervisory and Conflict Management Skills Training Florida Gulf Coast University August, 2003
2003 Negotiation and Mediation Skills – Florida Institute of Government
2003 STORET Training, Florida Department of Environmental Protection
1999 Boat Smart Course, Ostego Bay Power Squadron
1998 CORE Herbicide Training and Certification
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.

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