

Ana B. Locci

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ACADEMIC ACHIEVEMENTS

Ph.D. Case Western Reserve University, Cleveland, Ohio. May 1988.

Comparative Study of the Response of Simulated Temperate and Tropical Fish Communities to Fishery Exploitation and Environmental Variability. [Dr. Joseph Koonce, Advisor]

M. S. Case Western Reserve University, Cleveland, Ohio. Major: Aquatic Ecology. May 1985.

Zooplankton Communities of the Mackenzie River Delta Lakes. [Dr. Mitsuo Teraguchi, Advisor]

B. S. Universidad Simon Bolivar, Caracas, Venezuela. Biology-Ecology. October 1981.

Fenologia y Partition de Biomasa en Gramineas Nativas e Introducidas: *Axonopus pulcher* (Ness) Kuhl. y *Melinis minutiflora* Beauv. [Dr. Zdravko Baruch, Advisor]

PROFESSIONAL EMPLOYMENT

July 2000- Present: University Farm Director, Squire Valleevue and Valley Ridge Farms. Manage the Farm operations, personnel, and finances. Provide leadership in cooperation with the Farm Committee to expand utilization of the Farm's resources in accordance with the strategic plans of the University. Case Western Reserve University, Cleveland Ohio.

July, 2002-Present: Adjunct Assistant Professor in the Department of Biology, Case Western Reserve University. Courses: Principle of Ecology Lab (Fall), Quantitative Biology Lab, Summer Ecology Course for Teachers, Environmental Sculpture, Cleveland, Ohio.

September 1992- June, 2002: Adjunct Instructor in the Department of Biology, Case Western Reserve University. Courses: Field Biology Lab (Fall), Quantitative Biology Lab (Spring), Seminar in experimental Ecology (Spring and Fall), Seminar in Behavior of Violence (Spring), Cleveland, Ohio.

September 1991- June, 2002: Senior Research Associate in the Department of Biology, Case Western Reserve University. Cleveland, Ohio. Computer and Statistic Data Analysis. Project: Study of Fatal Injuries in Cuyahoga County, Ohio.

Summer 1996-Present: Coordinator and Instructor of the Summer Ecology Course for High School and Middle School Teachers (Biol 802) at Squire Valleevue Farm, Hunting Valley. Sponsored by the Department of Biology and the Howard Hughes Out-Reached Community Program, Case Western Reserve University. Cleveland, Ohio.

January 1996-July 2000: Modeler. Lake Erie Ecological Modeling (LEEM). Project: Development of the Lake Erie Ecosystem Model. Sponsored by the Environmental Protection Agency (EPA). Department of Biology, Case Western Reserve University. Cleveland, Ohio.

January 1995-1996: Modeler. Lake Erie Ecological Modeling Project: Development of a Prototype Model for the Lake Erie Ecosystem. Sponsored by the International Joint Commission of the Great Lakes. Department of Biology, Case Western Reserve University. Cleveland, Ohio.

*August 1991- August 1992: **Teaching Instructor in the Department of Biology**, Case Western Reserve University. Courses: Field Biology Lab (Fall 1991) and Quantitative Biology (Spring 1992). Cleveland, Ohio.*

*January 1990-December 1992: **Project Coordinator**. Home Safety Project: Study of Risk Factors in the Home (Case-Control Study). Department of Biology, Case Western Reserve University. Cleveland, Ohio.*

*November 1988-August 1991: **Research Associate in the Department of Biology**, Case Western Reserve University. Cleveland, Ohio. Computer Data Analysis: Study of Fatal Injuries in Cuyahoga County.*

*Spring 1985- 1990: **Teaching Instructor in the Department of Biology**, Case Western Reserve University. Course: Quantitative Biology and Course: Introduction to Experimental Biology Laboratory. Cleveland, Ohio.*

*1983-1984: **Research Assistant in the Biology Laboratory at Squire Valleeve Farm**, Hunting Valley. Case Western Reserve University. Projects: Zooplankton Communities of Northwest Ohio and Selection and Management of Trout in Northwest Ohio. Cleveland, Ohio.*

*Fall 1981: **Teaching Assistant in the Department of Biology**, Universidad Simon Bolivar. Course: Taxonomy of Angiosperms. Caracas, Venezuela.*

*1979- 1981: **Research Assistant in the Institute of Natural Resources**, Universidad Simon Bolivar. Caracas, Venezuela. Project: Evaluation of the Environmental Impact in the Carenero Area. Project: Diagnosis and Elaboration of the Management Plan for the Basin of the Urachiche River. Project: Ecological Herbarium of "El Frio" Area. Floral Study of the Sartenejas Valley.*

UNDERGRADUATE RESEARCH PROJECTS SUPERVISED

Yorko, C. 1993. Combination Homicides-Suicides in Cuyahoga County from 1958-1992. Department of Biology, Case Western Reserve University. Cleveland, Ohio.

Gellert, D. 1993. Home Accidents Trends in Cuyahoga County, Ohio from 1958-1997. Department of Biology, Case Western Reserve University. Cleveland, Ohio.

Gellert, D. 1994. Types of Homicide Indicators. Department of Biology, Case Western Reserve University. Cleveland, Ohio.

Lin, J. 1994. Changes in Long Term Patterns of Homicides in Cuyahoga County from 1958-1992. Department of Biology, Case Western Reserve University. Cleveland, Ohio.

Jain, V. 1994. Epidemiology of Suicides and Fatal Injuries in Cuyahoga County from 1958 to 1992. Department of Biology, Case Western Reserve University. Cleveland, Ohio.

Jain, V. 1995. Epidemiology of Homicides in Cuyahoga County from 1990 to 1994. Cocaine Use and firearms. Department of Biology, Case Western Reserve University. Cleveland, Ohio.

Lin, J. 1995. Geographical Distribution of Homicides in Cuyahoga County. 1958-1992. Department of Biology, Case Western Reserve University. Cleveland, Ohio.

Kondapalli, L. 1997. An Epidemiological Analysis of Homicides in Cuyahoga County from 1958-1992: Role of Domestic Violence as a Precursor for Homicide. Department of Biology, Case Western Reserve University. Cleveland, Ohio.

- Castro, P. 1997. Homicides abated by Suicides: Review of Typologies Utilizing Cases Occurring in Cuyahoga County from 1958 to 1997. Department of Biology, Case Western Reserve University. Cleveland, Ohio.
- Steiner, C. 1997. Epidemiological Study of Homicide and Suicides in Cuyahoga County, Ohio (1958-1996): Association of firearms as a Mode of Lethal Violence and 1. Alcohol and Illicit Drugs Detected in the Body of the Victim. Department of Biology, Case Western Reserve University. Cleveland, Ohio.
- Castro, P. 1998. Homicides abated by Suicides in Cuyahoga County from 1958 to 1997. Part I: General Statistics and Ethnic Population Comparisons. Department of Biology, Case Western Reserve University. Cleveland, Ohio.
- Steiner, C. 1998. Epidemiological Study of Homicide in Cuyahoga County, Ohio (1958-1997): Changes in Circumstances, Location of Occurrence and Other Factors. Department of Biology, Case Western Reserve University. Cleveland, Ohio.
- Steiner, C. 1998. Circumstance behind homicide: A look by circumstance over the last forty years (1958-1997). Department of Biology, Case Western Reserve University. Cleveland, Ohio.
- Angerman, E. 1998. Study of Homicides in High Crime Areas in Cleveland : Comparison from 1980's to 1990's. Department of Biology, Case Western Reserve University. Cleveland, Ohio.
- Filgor A. 1999. Geographical Analysis of Homicides in Cuyahoga County, Ohio from 1958 to 1997. Department of Biology, Case Western Reserve University. Cleveland, Ohio.
- Weber, A. 1999. Geographical Analysis of Suicide in Cuyahoga County, Ohio (1958-1997). Department of Biology, Case Western Reserve University. Cleveland, Ohio.
- Weber, A. 2000. Statistical Analysis of White Males Suicide in Cuyahoga County, Ohio (1958-1997). Department of Biology, Case Western Reserve University. Cleveland, Ohio.
- Weber, A. 2000. Epidemiological Analysis of Suicides in Cuyahoga County, Ohio (1958-1997): Part II of II. Department of Biology, Case Western Reserve University. Cleveland, Ohio.
- Weber, A. 2000. Epidemiological Analysis of Suicides in Cuyahoga County, Ohio (1958-1997): Part III of III. Department of Biology, Case Western Reserve University. Cleveland, Ohio.
- Cline, J. Summer 2000 Geographical Analysis of Homicides in Cuyahoga County, Ohio (1958-1997). Department of Biology, Case Western Reserve University. Cleveland, Ohio.
- Miller, J. Summer 2000 Geographical Analysis of Suicide in Cuyahoga County, Ohio (1958-1997). Department of Biology, Case Western Reserve University. Cleveland, Ohio.
- Ithiut, I. Fall 2000 Geographical Analysis of Homicide in Cuyahoga County, Ohio (1958-1997). Department of Biology, Case Western Reserve University. Cleveland, Ohio.
- Ithiut, I. Spring 2001. Age Factor and Survival, Evaluation of Aging Method on Trees at Squire Valleevue Farm, Hunting Valley, Ohio. Department of Biology, Case Western Reserve University. Cleveland, Ohio.
- Fields, J. Summer 2001. Age Factor and Survival, Evaluation of Aging Method on Trees at Squire Valleevue Farm, Hunting Valley, Ohio. Department of Biology, Case Western Reserve University. Cleveland, Ohio.

AWARDS AND HONORS

- **Top Pro. Outstanding Undergraduate Teaching.** Spring 1998. Case Western Reserve University. Cleveland, Ohio.
- **Graduate Assistantship.** September 1987-December 1987 by Department of Biology. Case Western Reserve University. Cleveland, Ohio.
- **International Fellowship.** September 1986-August 1987 by Organization of American States (OAS).
- **International Fellowship.** 1985-1986 academic year by American Association of University Women Educational Foundation (AAUW).
- **Graduate Assistantship.** Sep. 1983- May 1984 by Department of Biology. Case Western Reserve University. Cleveland, Ohio.

COMMITTEES

- University Farm Committee Member.** 1998- present. Case Western Reserve University. Cleveland, Ohio.
- Student Affairs Assessment Committee** 2005-present. Case Western Reserve University. Cleveland, Ohio.
- Supplier Diversity Initiative Council** 2007-present. Case Western Reserve University. Cleveland, Ohio.

PROFESSIONAL AFFILIATIONS

- * International Association for the Great Lakes Research
- * Audubon Society

OTHER LANGUAGES

Fluent in Spanish

PUBLICATIONS AND PRESENTATIONS

- Hernandez, A. B.** 1981. Fenología y Partición de Biomasa en Gramíneas Nativas e Introducidas: *Axonopus plucher* (Nees) Kuhl. y *Melinis minutiflora* Beauv. Trabajo Especial de Grado (Undergraduate Thesis). Universidad Simón Bolívar. Caracas, Venezuela.
- Hernandez, A. B.,** G. Montilla, and Z. Baruch. 1983. Fenología y Repartición de Biomasa en Gramíneas Nativas e Introducidas en la Cordillera de la Costa. Informe Final. Proyecto S1-1135. CONICIT. Caracas, Venezuela.
- Locci-Hernandez, A. B.** 1985. Zooplankton and Community Structure of the Mackenzie River Delta Lakes. Master Thesis. Case Western Reserve University. Cleveland, Ohio.
- Locci-Hernandez, A. B.,** J. Koonce, D. Novoa, y F. Ramos. 1987. Análisis de la Comunidad de Peces del Lago de Guri, como ejemplo de un Ecosistema Acuático Tropical y sus Alternativas de Uso para la Producción Piscícola. Informe resumido del Taller de Trabajo efectuado durante el 7 Al 17 de Julio de 1987. Gerencia General del Desarrollo Agrícola. Corporación Venezolana de Guayana. Venezuela.

- Locci-Hernandez, A. B.**, J. Koonce, D. Novoa, and F. Ramos. 1987. Feasibility of developing a fish community model of Lake Guri, Venezuela. Technical Report of Data analysis and Model Development Workshop. Corporacion Venezolana de Guayana. Ciudad Bolivar. Venezuela.
- Locci-Hernandez, A. B.** Lake Erie Community: Simulation Analysis of Western Basin Recovery, 1960-1982. Twenty-eighth Ohio fish and Wildlife Conference. February 1988. Columbus, Ohio.
- Locci-Hernandez, A. B.** 1988. Comparative Study of the Response of Simulated Temperate and Tropical Fish Community to Fishery Exploitation and Environmental Variability. Ph. D. Dissertation. Case Western Reserve University. Cleveland, Ohio.
- Novoa D., J. Koonce, F. Ramos, and **A. B. Locci-Hernandez**. 1987. Evaluacion del Ppotencial Pesquero del Lago de Guri, Venezuela. Estrategias de ordenamiento pesquero. Taller de Enfoques Integrados para el Estudio de Lagos y Reservorios como base para su gestion. Santiago de Chile, 28 de Septiembre a 12 de Octubre de 1987.
- Locci-Hernandez, A. B.** and J. Koonce. Comparative study of the response of simulated temperate and tropical fish communities to fishery exploitation. Fiftieth Midwest Fish and Wildlife Conference. December 4-to 7, 1988. Columbus, Ohio.
- Locci-Hernandez, A. B.** and J. Koonce. Theoretical Analysis of Constraints on Walleye Rehabilitation in Lake Erie. Twenty-ninth Ohio Fish and Wildlife Conference March, 1989. Columbus, Ohio. "Best Fisheries Paper Award" by the Ohio Chapter of the American Fisheries Society
- Koonce, J. K. and **A. B. Locci-Hernandez**. A decision support system for the integrated management of sea lamprey. Great Lakes Fishery Commission. Ann Arbor, Michigan. April 1989.
- Zdravko B., **A. B. Hernandez**, y M. Montilla. 1989. Dinamica del crecimiento, fenologia y reparticion de biomasa gramineas nativas e introducidas de una sabana neotropical. Ecotropicos. Vol. 2(1): 1-13.
- Koonce, J. K. and **A. B. Locci-Hernandez**. Understanding and Communicating Limits to Walleye Rehabilitation in the Great Lakes. Presented in the American Fisheries Society Symposium August, 1990. Pittsburgh, Pennsylvania.
- Kellerman A., F. Rivara, N. Rushforth, J. Banton, D. Reay, J. Francisco, **A. B. Locci**, J. Prodzinski, B. Hackman and G. Somes. 1993. Gun Ownership as a Risk Factor for Homicides in the Home. The New England Journal of Medicine. Vol 329(15) 1084-1091.
- Locci-Hernandez, A. B.** Modeling of Fish Community in Lake Erie. Workshop to Foster Cooperative Study of Key Issues in the Aquatic Ecology of Lake Erie. April 1994. Sponsored by the Ontario Ministry of Natural Resources. Port Dover, Ontario, Canada.
- Koonce J. F. and **A. B. Locci**. 1995. Lake Erie Ecological Modeling Project Phase I. International Joint Commission. Final Report on the Development of a Prototype Model for the Lake Erie Ecosystem.
- Koonce J. F. and **A. B. Locci**. 1996. Lake Erie Ecological Modeling Project Phase II International Joint Commission. Final Report on the Development of a Prototype Model for the Lake Erie Ecosystem.
- Locci A. B.** and J.F. Koonce. 1996. Theoretical Analysis of Food Web Constraints on Walleye Dynamics in Lake Erie. International Association for Great Lakes Research. Erindale College, University of Toronto May 26-30, 1996.
- Koonce J.F. and **A. B. Locci**. 1996. Lake Erie Ecological Modeling Project: Contribution of Models to Understanding Change in Lake Erie. International Association for Great Lakes Research. Erindale College, University of Toronto, May 26-30, 1996.

- Locci A. B.** and J.F. Koonce. 1998. Effects of Ecosystems Constraints on Single-Species Quota Management in Lake Erie. International Association for Great Lakes Research. McMaster University, Hamilton, Ontario, Canada May , 1998.
- Anderson, R.A., W. Wang, B. F. Hobbs, J. F. Koonce and **A. B. Locci**. Analysis of alternative Phosphorus Loading for Lake Erie Under Uncertainty and Multiple Ecosystem Objectives. International Association for Great Lakes Research. McMaster University, Hamilton, Ontario, Canada. May 1998.
- Koonce J. F., **A. B. Locci** and R. Knight. 1999. Contributions of Fishery Management to Changes in Walleye and Yellow Perch Population of Lake Erie. W.W. Taylor [ed.]. Great Lakes Fishery Policy and Management: A Binational Perspective, pp 397-416. Michigan State University Press.
- Locci A. B.** and J.F. Koonce. 1999. Theoretical Analysis of Food Web Constraints on Walleye Dynamics in Lake Erie. M. Munawar , T. Edsall and I. F. Munawar (eds.) . State of Lake Erie (SOLE), Past , Present and Future, pp. 497-510 Ecovision World Monograph Series. Backhuys Publishers.
- Locci A. B.** and J.F. Koonce. 1999. Insensitivity of Lake Erie Walleye Biomass to Changes in Phosphorus Loading .International Association for Great Lakes Research. Case Western Reserve University May, 1999.
- Koonce J.F. and **A. B. Locci**. 1999 Resolution of Issues of Scope and Detail in the Lake Erie Ecological Model. International Association for Great Lakes Research. Case Western Reserve University. May , 1999.
- Anderson R.M., Hobbs B. F, J. F. Koonce and **A. B. Locci**. 1999. Phosphorus Management Tradeoffs and Risks in Lake Erie. International Association for Great Lakes Research. Case Western Reserve University. May, 1999.
- Koonce, J. F. and **A. B. Locci**, “Resolution of Issues of Scope and Detail in the Development of the Lake Erie Ecological Model.” In Tulen, Lisa [ed.]. *Proceedings of the Lake Erie Modelling Summit*, 1999, International Joint Commission, Windsor, Ontario.
- Lalumandier J.A., L.C. Hernandez and **A. B. Locci**. 2000. Survey of all water plants operators who fluoridate drinking water in Ohio. The Ohio Journal of Science. Accepted for publication.
- Lalumandier J.A.,L.C. Hernandez and **A. B. Locci**. 2000. U.S. Drinking Water: Knowledge level of water plant operators who fluoridate. Journal of Public Health Dentistry. Accepted for publication.
- Anderson, R. A., B.F. Hobbs, J.F. Koonce, and **A. B. Locci**, “Use of Decision Analysis in Choosing Phosphorus Targets for Lake Erie,” *Environmental Management*, in process.
- Hobbs B., W. Wang, R. A. Anderson, J. F. Koonce and **A. B. Locci**. 2000. Lake Erie Fisheries Management Under Lower Trophic Level Uncertainty: A Decision Analysis of Research Options. International Association for Great Lakes Research. Cornwall, Ontario, Canada. May 2000.

GRANTS AND GIFTS

- University Farm Teaching Facility Updates. Stone Flora Mather Alumnae Association \$ 1,500. November, 2000.
- School Visitation Program to the University Farm. Dolphin Foundation \$25,000. October, 2001
- University Farm Maps System Updates. Stone Flora Mather Alumnae Association \$ 1,260. November 2001.

- Repairs of the Valley Ridge Farm Horse Barn. Mrs. Ellen Chinn, \$85,000. September, 2001
- Interpretive Trail Guides Update. Dr. Richard Boyatzis. \$5,000. December 2001.
- Repairs of the Valley Ridge Farm Horse Barn. Mrs. Ellen Chinn, \$57,000. September 2002.
- Farm Director discretionary fund, private donor, \$60,000 2002-present
- University Farm Pink Pig facility Updates. Stone Flora Mather Alumnae Association \$ 1,500. November 2002.
- School Visitation Program to the University Farm. Dolphin Foundation \$15,000. October, 2002
- Repairs of the Valley Ridge Farm Horse Barn. Mrs. Ellen Chinn, \$15,000. September 2004.
- Repairs of the Valley Ridge Farm Horse Barn. Mrs. Elizabeth Sedwick, \$10,000. September 2004.
- Repairs of the Valley Ridge Farm Horse Barn. George Garretson Wade Trust, \$51,000 Oct 2004
- Farm History display project , private donors \$2,400 winter 2004
- Farm Trail repairs SCH Foundation, \$15,000 2004-2005
- Debra Ann November Research Greenhouse Mr. and Mrs. Mort November \$200,000 spring 2005
- Farm Summer Student Endowment, 2006 private donor pledge \$25,000
- University Farm Endowment, Private donor \$10,000 spring 2007
- University Farm Endowment Private donor \$5,000 fall 2007
- Mather Teaching Lab, Flora Stone Mather Alumnae Association \$100,000 spring 2008
- Farm Summer Program, Flora Stone Mather Alumnae Association \$50,000 spring 2008
- Farm Bench Dedication program \$20,000 Oct 2008
- Farm Annual Fund, \$16,000 Oct 2008

Cleveland, November 2008.