

C.V. - Evelyn Williams, Ph.D.
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Education

University of Wisconsin – Madison. December 2011, Ph.D. in Botany with Distributed Statistics Minor.

Carleton College, Northfield, MN. 2005, B.A. in Biology with an Environmental and Technology Studies Concentration, Certificate of Advanced Study in Spanish, magna cum laude.

Awards and Grants

- microMORPH NSF Next-Gen Sequencing training grant, 2012
- Botany Department Eldon H. Newcomb Teaching Award, 2011
- Botanical Society of America Women in Science Travel Grant, summer 2010
- Botany Department Kenneth Raper Travel Grant, summer 2010
- UW- Madison Vilas Travel Grant, 2010
- Huron Mountain Wildlife Foundation Grant, summer 2009 and 2010
- Communications B Course Writing Fellow, spring 2009
- Clarence R. & Florence N. Hanes Fund grant, summer 2007, 2008, and fall 2009
- Botany Department Davis Research Award, summer 2008 and 2009
- Botany Department Davis Fellowship, summer 2008
- UW-Madison Rare Plants of Michigan Fund grant, summer 2007

Publications and Reports

Williams, E. and D. Waller. *In press*, May 2012. Phylogenetic placement of species within the genus *Botrychium* s.s.(Ophioglossaceae) based on plastid sequences, AFLPs, and flow cytometry. *International Journal of Plant Sciences*.

Camill, P., A. Barry, E. Williams, *et al.* 2009. Climate-vegetation-fire interactions and their impact on long-term carbon dynamics in a boreal peatland landscape in northern Manitoba, Canada. *Journal of Geophysical Research-Biogeosciences*, 114: Art. No. G04017.

Waller, D., S. Johnson, R. Collins, E. Williams. 2009. Threats posed by ungulate herbivory to forest structure and plant diversity in the Upper Great Lakes Region and a review of methods to assess those threats. Prepared for the Upper Great Lakes NPS ‘Vital Signs’ program.

Posters

Winters, M. and E. Williams. Morphological plasticity in the *Botrychium* ferns of the Upper Peninsula of Michigan. May 2011. Introduction to Biology Research Poster Session. Madison, WI.

Follansbee, A. and E. Williams. Ploidy and hybridization relations with *Botrychium* morphology. May 2011. Introduction to Biology Research Poster Session. Madison, WI.

Lefeber, M. and E. Williams. Investigating Possible Annual Morphological Change in the

Botrychium genus. May 2010. Introduction to Biology Research Poster Session. Madison, WI.

Camill, P., A. Barry, D. Bucy, T. Fitchett, L. Ly, C. Martin, S. Seneviratne, W. Stutz, S. Talukder, E. Williams, S. Wylie. 2005. Landscape patterns of fire and plant succession in a boreal peatland landscape in northern Manitoba, Canada. Ecological Society of America, Montreal, Canada.

Camill, P., J.B. Adams, A. Barry, J. Moler, E. Williams. 2004. Community and ecosystem-level effects on *Picea mariana* seedling growth and aboveground biomass allocation in boreal peatlands. Ecological Society of America. Portland, OR.

Presentations

Williams, E. Determining annual morphological change of cryptic *Botrychium* ferns. April 2011. Invited presentation at the microMORPH Workshop, Boulder, CO.

Gardner, A., B. Grady, E. Sessa, B. Sidoti, and E. Williams (jointly presented). December 2010. Ecological cladogenesis: Searching for adaptation on several scales. UW-Madison Evolution and Systematics Seminar series.

Williams, E., and C. Bochte. August 2010. Examining *Botrychium* ferns with genetics and morphology. Botanical Society of America Conference, Providence, RI.

Williams, E.W., C. Bochte, and D.M. Waller. March 2010. Examining *Botrychium* ferns in the Upper Peninsula, MI, with genetics and morphology. Western Great Lakes Conference, Minneapolis, MN.

Williams, E.W. February 2009. Examining *Botrychium* fern relationships using AFLP markers. Botany Department Colloquium Series, Madison, WI.

Teaching Experience

Discussion Teaching Assistant for Introduction to Ecology 260 at UW – Madison. This was a class for non-majors that focused on current environmental issues. Prepared and ran 2 discussions, graded, prepared exams, gave guest lectures, and provided weekly help sessions for 150 students. (Fall 2007, Fall 2009, Fall 2010)

Lab Teaching Assistant for Introductory Biology 151/152 at UW – Madison. Prepared and ran 2-3 three-hour labs, provided weekly help sessions for 40 students, and graded lab reports and independent projects. (Fall 2006, Spring 2007, Spring 2008, Fall 2008, Spring 2010)

Lab and Discussion Teaching Assistant for General Ecology 460 at UW – Madison. Prepared and ran 2 discussions and lab sections for 45 students, provided weekly help session, and graded lab reports and exams. (Spring 2009)

Lab Teaching Assistant for introductory biology under Sarah Deel and Susan Singer at Carleton College, Northfield, MN. Provided in-class assistance, weekly help sessions for 28 students, and grading. (September – November 2004)

Work Experience

Research Assistant at the Chicago Botanic Garden working on *Lepidospartum* population genetics using microsatellites. (January 2012 – present)

REU Coordinator at the Chicago Botanic Garden, recruiting underrepresented student groups, evaluating applications, and logistical support for summer research experience. (January 2012 – present)

Chicago Field Museum Research Associate (Fall 2011 – present)

Research volunteer at the Chicago Botanic Garden. Extracted DNA and screened microsatellite primers for a study on *Oenothera* species, one to two times a week. (Fall 2012)

Project Assistant for Department of Botany, UW-Madison. Designed and administered online surveys to current students and alumni to evaluate the graduate program. (Spring 2011)

Contract Botanist under Native Thumb Environmental Consulting for the Ottawa National Forest. Performed rare plant walking surveys for conservation assessment of forest lands. (August 2008, May – July 2009)

Resource Crew Member at Itasca State Park, MN under Becky Marty. Mapped and removed invasive species, collected data on long term forest plots, worked with volunteer groups, planned and gave naturalist programs, landscaped with native plant species, monitored water quality, and entered and managed data. (June – August 2004, June – October 2005)

Research Assistant under Professor Phil Camill at Carleton College. Prepared and examined samples and analyzed results for a fire-regime study in peat lands. (June – August 2003)

Cole Naturalist at Carleton College Cowling Arboretum, Northfield, MN under Myles Bakke. Designed and gave naturalist programs for students, staff and alumni, wrote a campus newspaper column. (April 2003 – June 2005)

Crew Member at the Carleton College Cowling Arboretum under Myles Bakke. Removed invasive species, created and maintained trails, prairies, and forest habitats, and collected seeds. (June – August 2002)

Mentoring Activities

- Supervised and mentored three undergraduates working on introductory biology independent projects, spring 2010 and fall 2010
- Mentored one undergraduate on her senior thesis project, spring 2009 to spring 2010
- Supervised one undergraduate volunteer, spring and summer 2007