

SAMNIQUEKA HALSEY

PhD Student

Program in Ecology, Evolution, and Conservation Biology-University of Illinois-Urbana/Champaign

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EDUCATION

University of Illinois	Urbana/Champaign, IL
<i>Ph.D. in Ecology, Evolution & Conservation Biology (in progress)</i>	August 2014-Present
Advisor: Dr. James Miller	
Chicago State University	Chicago, IL
<i>Masters of Science in Biology, May 2013</i>	
Advisor: Dr. Timothy Bell	
Northeastern Illinois University	Chicago, IL
<i>Bachelors of Science in Biology, May 2011</i>	

TEACHING EXPERIENCE

University of Illinois	Urbana/Champaign, IL
<i>Teaching Assistant</i>	
~ BIOL 105-ENVIRONMENTAL BIOLOGY -Online	October 2014- December 2014
~ NRES 456-Integrative Ecosystem Management	January 2015-May 2015
College of Lake County	Vernon Hills, IL
<i>Adjunct Instructor</i>	January 2014- May 2014
~ BIOL 140-ENVIRONMENTAL BIOLOGY	
o <i>Non-lab course covering environmental issues that arise from the interaction of humans and the environment. Topics include ecology, population biology, and modification of our environment, resource use, land use planning, and energy.</i>	
CICS-LONGWOOD, CICS-PRAIRIE	Chicago, IL
<i>Substitute Teacher</i>	January 2012-June 2014
~ Implementation of lesson plans in absence of regular teacher for grade K-12. Maintenance of effective learning environment through practice of classroom management.	

RESEARCH EXPERIENCE

Morton Arboretum	Lisle, IL
<i>Conservation Biology Research Assistant I</i>	January 2014- August 2014
~ Transcription and digitization of Public Land Survey Notes for Northwest Indiana Counties Lake, Porter and LaPorte.	
~ Preparation of bearing tree, vegetation and tree density data for analysis for Principal Investigator.	
~ Visualization of northwest Indiana's past vegetation via cartography.	
Morton Arboretum	Lisle, IL
<i>Conservation Biology Intern</i>	May 2012-December 2013
~ Assists Principal Investigator with collection of demographic data of federally endanger species of <i>Cirsium pitcheri</i> .	
~ Data entry of both <i>Cirsium pitcheri</i> and <i>Platanthera leucophaea</i> .	

- ~ Population viability analysis including LTRE of seed source effect on transplant survival on Illinois State Beach
Reintroduction, weather correlations on survival, use of GIS variables to develop regression equation to predict growth and survival as well as LTRE to compare latitude and succession on survival.

CHICAGO STATE UNIVERSITY

Chicago, IL

Graduate Assistant

Sept 2012-June 2013

- ~ Analysis long-term dataset of *Cirsium pitcheri* from Indiana Dunes in order to determine the effect of two restorations on the metapopulation utilizing population viability analysis including projection modeling, Life Table Response Experiments(LTRE) and elasticity analysis.

INDIANA DUNES NATIONAL LAKESHORE

Porter, IN

Data Collection Volunteer

June 2012 & June 2013

- ~ Worked as part of a time collecting *C. pitcheri* demographic data at five local sites within state park.

PEGGY NOTEBAURT NATURE MUSEUM

Chicago, IL

Butterfly Lab Volunteer

July 2010-December 2010

- ~ Performed husbandry duties such as food preparation, pupae case cleaning and record keeping of emergence of many butterfly species in a contained environment following USDA procedures.

UNIVERSITY OF COLORADO

Boulder, CO

Field Assistant

May 2010-June 2010

- ~ Assisted doctoral student with population monitoring of *Cynomys gunnisoni* through trapping via live traps ,anaesthetizing tagging and collection of blood, tissue and flea samples for research related to disease in relation to genetic diversity

SERVICE

UNIVERSITY OF ILLINOIS

Urbana/Champaign, IL

STEM-Fem Alliance (Student organization)

November 2014-Present

- ~ Outreach Coordinator: Responsible for overseeing the outreach component of this organization as a way to improve visibility of women in STEM field.

CHICAGO STATE UNIVERSITY

Chicago, IL

Friend of the Prairie (Student organization)

September 2011-May 2013

- ~ Vice-President: Provide students, faculty and surrounding community with increase awareness about man-made prairie created in 2003 with DNR grant through educational and management activities such as plant identification, invasive species removal, seed collection and planting, composting, education tours including hands on experience as a way to gain and share knowledge and ensure biodiversity within.

PUBLICATIONS

Halsey SJ, Bell TJ, McEachern K, Pavlovic N. (2015). "Comparison of reintroduction and enhancement effects on metapopulation viability." *Restoration Ecology*. 23(4):375-384.

Bowles, M, Halsey S, McBride J, Pavlovic N (2015) Grassland-forest transition in the Prairie Peninsula region of northwest Indiana as recorded by the U.S. Public Land Survey (1829-1835). Report to the Indiana Department of Natural Resources, Lake Michigan Coastal Program. The Morton Arboretum, Lisle, Illinois

Halsey SJ (2013) A metapopulation approach to examining the effect of restorations on population viability in the Indiana Dunes (Masters thesis) Chicago State University. Chicago, IL.

POSTERS AND PRESENTATIONS

Halsey SJ, Bell TJ, McEachern AK (2013) "A Metapopulation Approach to Examining Population Viability in the Indiana Dunes." Presented to Ecological Society of America 2013, Minneapolis, MN.

- Halsey SJ, Bell TJ, McEachern AK, (2012) "A Metapopulation Approach to Examining Population Viability in the Indiana Dunes." Presented to Indiana Dunes National Lakeshore Science Conference, Indiana University Northwest, Gary, IN.
- Halsey SJ. (2012) "A Metapopulation Approach to Examining Population Viability in the Indiana Dunes (Progress Report)." Chicago State University Dept. of Biological Sciences Research Seminar Series, Chicago State University, Chicago IL.
- K.A. Jacobs, S. Kirt, L. Jackson, S. Halsey. "Prairie Education, Research and Management at Chicago State University: Poster Presentation at Schulenburg Prairie symposium at the Morton Arboretum Lisle IL on September 13-14, 2012.

AWARDS

Graduate College Fellowship	University of Illinois U/C.	2014-2016
~ Two year tuition waiver & total stipend of \$40,000.		
Biological Sciences Graduate Assistantship	Chicago State University	2012
~ Nine Month tuition waiver and stipend of \$5,400.		

Professional Development

Graduate Academy for College Teaching	University of Illinois U/C.	2015
CLC Professional Development Course	College of Lake County	2014
~ Not Just for English Class: How Faculty in All Disciplines Use Writing Effectively in Their Courses.		

SKILLS

Software: Experience with ArcGIS, ERDAS IMAGINE, Endnote, GRASS, MatLab, MultiSpec, MS Word, MS Excel, MS Access, R, Ramas Metapop, SPSS, QGIS.