

CURRICULUM VITAE

AIMEE P. ROCKHILL, M.S.

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Present Position: Ph.D. Research Assistant
Research Interests: Habitat use, selection, and movement of mammalian species, mammalian predator interactions, forest management and management effects on wildlife species and diversity, and wildlife education.

Education:

Ticonderoga High School, Ticonderoga New York 12883; June 1994.
State University of New York Plattsburgh, Plattsburgh, New York 12901; **Bachelor of Arts in Environmental Science**, December 1998.
University of Queensland, Brisbane, Australia; SUNY Overseas Academic Program, May 1998.
North Carolina State University, Raleigh, North Carolina 27607; **M.S. Forestry**, May 2008
Thesis: *Imputation of Missing Observations in Forest Inventories.*

Awards, Scholarships, and Certifications:

2005 North Carolina State University Chapter of Xi Sigma Pi
 Xi Sigma Pi Chapter Ranger (2007)

2007 Preparing the Professoriate Fellowship

2008 Forestry and Environmental Resources Faculty Fellowship for Excellence in Graduate Education (FERFFEGE)

Positions:

1999 - 1999 Benefits Consultant, Defined Benefits Team Leader, Chicago, Illinois
 Provided project leadership for a multi-disciplinary team that interacts daily with clients explaining healthcare and benefit packages
 Implemented strategies to reduce total expenditures by eliminating non-

conforming benefit statements
Maintained client accounts and customer databases
Researched customer files and utilized client databases to determine benefits

- 1999 - 2000 Full Time Substitute Teacher, Crown Point, New York.
Work in area schools on a daily basis as a substitute for grades K-12
Taught 8th grade Physical Science, 9th grade Earth Science and 12th grade Physics for a 6 month period in Crown Point Central School
Taught 8th grade Algebra, 9th grade Trigonometry and 12th grade Pre-calculus for a 6 month period in Crown Point Central School
- 2000 - 2004 Laboratory Technician, Raleigh, North Carolina.
Tobacco Genome Initiative. Lead technician on a project mapping the tobacco genome. Performed DNA extraction, isolation, and amplification. Became proficient in PCR, fingerprinting, and sequencing DNA. Helped develop physical and genetic maps for the Tobacco Genome.
- 2004 - 2008 Masters Candidate, Research, and Teaching Assistant, Department of Forestry, North Carolina State University, Raleigh, North Carolina.
- 2008 - present Doctoral Candidate and Research Assistant, Department of Forestry and Environmental Resources, Fisheries and Wildlife Sciences Program, North Carolina State University, Raleigh, North Carolina.

Teaching Experience:

- 1999 - 2000 Full Time Substitute Teacher, Crown Point, New York.
- 2005 Teaching Assistant; Natural Resource Management (spring semester); under the supervision of Dr. Robert Abt, North Carolina State University, Raleigh, North Carolina.
- 2005 Teaching Assistant; Forest Measurements, Modeling, and Inventory (fall semester); under the supervision of Dr. Bronson Bullock, North Carolina State University, Raleigh, North Carolina.
- 2006 Teaching Assistant; Environmental Technology Laboratory (spring semester); under the supervision of Terrie Litzenberger, North Carolina State University, Raleigh, North Carolina.
- 2007 Teaching Assistant; Natural Resource Management (spring semester); under the supervision of Dr. Robert Abt, North Carolina State University, Raleigh, North Carolina.
- 2007 - present Contract Educator, Instruct classes educating guests of wildlife species throughout the world. The North Carolina Museum of Natural Sciences,

Raleigh, North Carolina

- 2008 Preparing the Professoriate; Natural Resource Management (NR400/500 = 4 undergraduate credits, 3 graduate credits, spring semester; 27 students); under the supervision of Dr. Robert Abt, North Carolina State University, Raleigh, North Carolina.

Research Experience:

- 2004 - 2008 Research Assistant; Imputation techniques for estimating volume loss of loblolly pine due to ice-storm damage; conducted field work measuring DBH and height of 4,000 + loblolly pine trees; analyzed a number of imputation techniques with the use of SAS and R+ software; under the direction of Dr. Bronson Bullock, Department of Forestry Environmental Resources, North Carolina State University, Raleigh, North Carolina.
- 2005 Research Volunteer; 2005 Hofmann Forest Genetics Demonstration. Assisted with tree planting of 3,600+ trees over 12 plots of a number of genetic families. Hofmann Forest, Jacksonville, North Carolina.
- 2006 Research Technician; Loblolly Pine Genetics x Spacing x Thinning Study (GST). Assisted with field experimental design layout and tree planting of 20,000 + trees for a loblolly pine genetic study. Hofmann Forest, Jacksonville, North Carolina.
- 2006 - present Research Assistant; Home range, movement, and habitat selection of adult bobcats (*Lynx rufus*) in pocosin wetlands of eastern North Carolina. Bull Neck Swamp Management Plan; under the direction of Dr. Christopher DePerno, Department of Forestry Environmental Resources, North Carolina State University, Raleigh, North Carolina.
- 2007 Research Volunteer; Loblolly Pine Genetics x Spacing x Thinning Study (GST). Assisted with volunteer tree removal and loblolly pine measurements of a 20,000 + loblolly pine tree genetic study.
- 2007 Research Volunteer; Quail Covey Counts. Assisted with covey counts of Bobwhite quail on farms in North Carolina.
- 2007 Research Volunteer; Feral Hog biological study. Assisted with blood, diaphragm, lung tissue, and fecal collection of hunter harvested feral hog.
- 2007 - present Research Volunteer; Wood duck nest box monitoring. Assisted with annual preparation and weekly monitoring of wood duck nest boxes through the NCSU Leopold Wildlife Club. Yates Mill Pond, Raleigh, North Carolina.

Professional Affiliations Past and Present:

Natural Resources Graduate Students, (2005– 2007)
Treasurer (2006 – 2007)
Xi Sigma Pi; Forestry Honors Society Full Membership (2005 – present).
Wildlife in NC (2005 - present)
The Wildlife Society (2006 - present).
North Carolina Chapter of The Wildlife Society (2006 – present).
Leopold Wildlife Club (student TWS club) (2007 - present).
Audubon Society (2007 - present)
National Wildlife Federation (2007 - present)

Grants, Contracts, and Budgets: (Total (1) = \$2,500)

2007 **Rockhill, A**, T. Langer, and C. S. DePerno. NCSU Fisheries and Wildlife Sciences Program and Bull Neck Swamp. 2007 Hyde County Bear Hunters Fundraising Event. Hosted by Pascal and Ashlyn Ballance at Eakes' Hunting Store, Fairfield, North Carolina. \$2,500; 1 year.

Mentoring:

2008 Science Fair Judge, Bethesda Christian Academy, Cary, North Carolina.

Interns and Volunteers Supervised: (Total = 5)

2007 Katherine Golden, Field Technician, North Carolina State University, Raleigh, North Carolina. May 10, 2007 – September 01, 2007

2007 Michael Fine, Stan Hutchens, Mark Sandfoss, Donna MacLennan, Field Volunteer, North Carolina State University, Raleigh, North Carolina. May 10, 2007 – March 01, 2008.

2008 Donna MacLennan, Field Technician, North Carolina State University, Raleigh, North Carolina. March 01, 2007 – present.

Peer-reviewed Published Abstracts: (Total = 1)

2005 Opperman, C.H, S.A. Lommel, M. Burke, J. Carlson, C. George, S. Gove, T.D. Houfek, S. Jefferys, S. Kalat, R. King Jr., J. Levin, P.C. Little, A. Lumpkin, T. Ross, **A. Salstead**, E. Scholl, B. Sosinski, P.J. Stevens, S. Zekanis, J. Frelinger, N. Lakey, J. Bidell, A. Budiman, and A. Hayes. The tobacco genome initiative: A gene discovery platform. Plant and Animal Genomes XIII Conference, Town and Country Convention Center, San Diego, California.

2008 **Rockhill, A.P.**, and C.S. DePerno. Using bobcat as an indicator species in developing a management plan for Bull Neck Swamp Research Forest, N.C. Third Annual Graduate Student Research Symposium, McKimmon Center, North Carolina State University, Raleigh, North Carolina.

Presentations at Professional Meetings: (Total = 6)

- 2003 Opperman, C.H., S. Lommel, B. Sosinski, and **A. Salstead**. The Tobacco Genome Initiative. Plant and Animal Genomes XI Conference, San Diego, California.
- 2004 **Salstead, A.**, S. Lommel, C. Opperman, and B. Sosinski. Generation of a framework physical map for tobacco. Plant and Animal Genomes XII Conference, San Diego, California.
- 2004 Fuelner, Gretchen E., B. Sosinski, M. Burke, and **A. Salstead**. Development of an EST Microarray for *Nicotiana benthamiana*. Plant and Animal Genomes XII Conference, San Diego, California.
- 2008 DePerno, C.S., C. Ayers, C. Chitwood, J. Folta, K. Golden, S. Hutchens, G. Karns, **A. Rockhill**, E. Rutledge, B. Sherrill, and M. Sandfoss. 2008. An overview of wildlife research at North Carolina State University. North Carolina State University, Department of Forestry and Environmental Resources, 1st Annual Faculty Research Symposium, Jordan Hall II, North Carolina State University, Raleigh, North Carolina.
- 2008 **Rockhill, A.P.**, and C.S. DePerno. Comparing abundance indices for bobcat at Bull Neck Swamp, NC. 2008 Annual Meeting of the North Carolina Chapter of The Wildlife Society and 25th Anniversary Celebration, Haw River State Park, Brown Summit, North Carolina.
- 2008 **Rockhill, A.P.**, and C.S. DePerno. Using bobcat as an indicator species in developing a management plan for Bull Neck Swamp Research Forest, N.C. Third Annual Graduate Student Research Symposium, McKimmon Center, North Carolina State University, Raleigh, North Carolina.

Publications:

- 2003 Gadani, F; A. Hayes; C. H. Opperman, S.A. Lommel, B.R. Sosinski, M. Burke, L. Hi, R. Brierly, **A. Salstead**, J. Heer, G. Fuelner, and N. Lakey. Large scale genome sequencing and analysis of *Nicotiana tabacum*: the tobacco genome initiative. In: Proceedings, 5emes Journees Scientifiques du Tabac de Bergarac, pp 117-130.
- 2004 Opperman, C.H., S. Lommel, M. Burke, J. Carlson, C. George, S. Gove, T.D. Houfek, S. Jefferys, S. Kalat, R. King Jr., J. Lewin, P.C. Little, A. Lumpkin, T. Ross, **A. Salstead**, E. Scholl, B. Sosinski, P.J. Stephens, S.H. Zekanis, J. Frelinger, N. Lakey, J. Bidell, A. Budiman, F. Gadani, and A. Hayes. The tobacco genome initiative: a gene discovery platform. In: Proceedings, 1st Solanaceae Genome Workshop, pp. 51. 19-21 September. Wageningen, The Netherlands.

Moderator:

2008 The First Annual Graduate Research Symposium. Full day symposium. Jordan Hall II, North Carolina State University, Raleigh, North Carolina.

Extension Activities/Education:

2005 **Rockhill, A.** Poisonous Dart Frogs. Presented to 35 3rd graders. Olive Chapel Elementary School.

2006 **Rockhill, A.** Wildlife of North Carolina. Presented to 47 3rd graders, Turner Creek Elementary School.

2006 **Rockhill, A.** Cook Mountain Plants and Wildlife. Conducted a guided hike for 8 children from 4-12 years old. Ticonderoga, New York.

2007 DePerno, C. S., and **A. Rockhill.** Wildlife and snakes. Presented to 60 kindergarten, 2nd graders, and 4th graders. Adams Elementary School.

2006 **Rockhill, A.** Cook Mountain Plants and Wildlife. Conducted a guided hike for 11 children from 3-8 years old. Ticonderoga, New York.

2007 **Rockhill, A.**, S. Hutchens, and **C. S. DePerno.** NCSU Fisheries and Wildlife Sciences Program and Bull Neck Swamp. Presented to ~250 individuals at the 2007 Hyde County Bear Hunters Fundraising Event. Hosted by Pascal and Ashlyn Ballance at Eakes' Hunting Store, Fairfield, North Carolina.

Websites:

2007 **Rockhill, A.**, and DePerno, C. S. Bull Neck Swamp Research Forest. (<http://cnr.ncsu.edu/for/dept/bullneck.html>)

2008 **Rockhill, A.** Natural Resource Management. (<http://courses.ncsu.edu/nr400/lec/001/>)

2008 **Rockhill, A.** Aimee Rockhill: Teaching Portfolio. (<http://www4.ncsu.edu/~aprockhi/>)

Professional Reviews:

2008 National Wildlife

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References:

- Dr. Christopher S. DePerno Professor
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- Dr. Robert Abt Professor
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(919) 513-7559
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- Dr. Jason Riddle Postdoctoral Research Associate
North Carolina State University
Department of Zoology
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