

Mara Emma Moser

PO Box 193, Copenhagen, NY 13626

(315) 778-3322

mmoser@s.paulsmiths.edu

Education:

Sept. 2006- Present

Paul Smith's College

Paul Smiths, NY 12970

Expected graduation date: May 2009

Bachelors Degree of Science in Biology: Environmental Science

Certificate of Geographic Information Systems

Sept. 1994- June 2006

Copenhagen Central School

Copenhagen, NY 13626

Graduation date: June 2006

Advanced Regents Diploma

Work Experience:

Fall 2008

Paul Smith's College Work Study

Duties Included: Helping other students understand and problem solve in ArcMap.

April 2008- August 2008

McClelland's Agronomic Consulting Services: Lowville, NY

Duties included: Scouting Crop Fields and Pest Management, Field Assessments, Taking Soil

Samples, Working with RUSLE II and ArcMap, Data Entry, Assisting in Farmstead

Assessments, Assisted with Development of Plans for Environmental Compliance

January 2001- Present

Moserdale Farms: Copenhagen, NY

Duties included: Milking, Physical Labor and Operating Farm Equipment

Summer 2007

Sam's Club: Watertown, NY

Duties included: Cashier and Demo Team

Research Experience:

Winter 2008-2009

In-Situ Browse Preference of Snowshoe Hares (*Lepus americanus*) in Low and High Elevations which included determining browse preference and availability of various browsed vegetation species. Also, involved live trapping and radio collaring snowshoe hares in the Adirondack Park and using triangulation to determine population dynamics. This research involved hiking during the winter of 2008-2009 with snowshoes and cross country skis.

Fall 2008

Participated in a research study entitled “Use of Emerging Molecular Techniques for Noninvasive Wildlife Studies” as part of a course at Paul Smith’s College (Biotechnology 455). Developed protocols for extraction, purification of analysis of DNA from individual bear hair follicles and molted bird feathers; optimized procedures for molecular sex determination in birds and black bears; applied whole genome amplification to these samples, performed black bear microsatellite analysis.

Honors and Awards:

Dean’s List: Fall 2006 – Spring 2009
Paul Smith’s Honor Student: Fall 2008-Spring 2009
Paul Smiths College Dean’s Scholarship: Fall 2006- Spring 2009
Norbert Gazin Scholarship: Fall 2006- Spring 2008
National Honor Society: Senior Year
Varsity Soccer Captain: Junior and Senior Year
Varsity Soccer All-Star- Sophomore- Senior Year
Student Council Representative- Sophomore Year
High Honor Roll: Freshman- Senior Year

Computer Skills: Microsoft Office including Access, ArcView 9.2, MicroSuvey CAD

Certifications: Hunter Education Course Completion, Licensed NYS Bowhunter, Licensed NYS Trapper

Membership and Interest:

Membership: GIS Club, WITS (Women in the Sciences) Club, Adirondack Steelworks Soccer Team
Interests: Hunting, fishing, snowmobiling, soccer, basketball, travel and photography.