

# Mallory Jodon Brodrick

## *Curriculum Vitae*

Spring 2010

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### CONTACT INFORMATION

E-mail: mallory@shsu.edu

Mailing address: Sam Houston State University, Department of  
Biological Sciences, P.O. Box 2116, Huntsville, TX  
77341

### EDUCATION

B.S. Biology 2007 Sam Houston State University, Huntsville, TX  
Graduated Cum Laude, First quarter of class, GPA:  
3.65

Working towards M.S. in Biology Sam Houston State University  
Huntsville, TX

Graduate Courses: Biostatistics, Experimental Design, GIS, SEM,  
Ornithology, Mammalogy, Entomology, Biogeography,  
Independent Study: Field Ornithology

### AWARDS & HONORS

Sam Houston State University Dean's List- Fall '03, '05-'08, Spring '04,  
'07, '08, '09, Summer '06

Women's Club scholarship \$500, 2003

Excellence in poster presentation in Seattle Sigma Xi conference, 2005

SHSU Biological Sciences scholarship \$500, 2005 and 2006

SHSU Biological Sciences Research Award \$250, 2006

SHSU College of Arts and Sciences Special Graduate Scholarship Award  
\$3000, 2008 and 2009

Who's Who Among American Colleges and Universities 2006, 2007,  
2008, 2009

### EMPLOYMENT & FIELD EXPERIENCE

Research in Undergraduates at SHSU in Summer 2005 (NSF- REU).

Research Intern, under supervision of Diane L.H.  
Neudorf. Research topic included: An investigation of  
parental feeding rates in a Texas population of  
Carolina wrens (*Thrythorus ludovicianus*).

Texas Parks & Wildlife Department: Summer Intern Summer 2007 at  
A.E. Wood Inland Hatchery. Under supervision of Jake  
Isaac (Hatchery Manager) Responsibilities included

zooplankton collection and counting, pond fertilization (liquid and powder), pond sampling, feeding, daily records of dissolved oxygen, pH, and temperature of all ponds, data entry of culture, pond harvest, and other various duties including cleaning.

Research Assistant: October 2004- December 2007. Responsibilities include upkeep and special requests for Texas Bird Sound Library at SHSU, collection and entry of field data, filing, fieldwork with wrens and their nest boxes and various other tasks.

Lab Instructor: January 2008- current. Responsibilities include teaching lab component of college level Botany and Environmental Science, composing quizzes, administering exams, grading, and field trips.

### **FIELD/LAB & SOFTWARE SKILLS**

Avian mist netting and banding

Vegetation Surveys- Quadrant sampling

Small Mammal Trapping- Sherman Traps

Operating Systems: Macintosh & Windows 95/98/NT/2000/XP/Vista

Database: Oracle & Excel

Software Packages: ARCVIEW, ARCMAP, MS Word, MS Powerpoint, MS Outlook, WordPerfect

General Skills: Audio/Video & Internet (Internet Explorer, Firefox, Mozilla, Google Chrome, & Netscape Explorer)

### **VOLUNTEER/ COMMUNITY SERVICE**

Texas Parks & Wildlife-Walker County deer check stands-2007-2009

Texas Parks & Wildlife-Walker County gobbler counts-2007

Texas Parks & Wildlife Annual EXPO-2007

Annual Audubon Christmas Bird Counts- 2006, 2008, 2009

### **SOCIETIES & LEADERSHIP**

Golden Key International Honors Society: 2006

Tri-Beta National Biological Honors Society: 2005

Rotaract Club (Community Club Organization): 2003-2006; Served as: Secretary-2003, Public Relations-2004, Treasurer-2005. Activities included: Canned food drives, assisted living visitations, Texas Special Olympics

Sigma Xi: 2005-present

Southwestern Association of Naturalists (SWAN): 2007-present

Texas Academy of Science (TAS): 2007-present

Cooper Ornithological Society (COS): 2009-present

Biological Sciences Graduate Student Organization (BSGSO): 2007-present; Served as Treasurer 2008 and Vice President

2009  
Huntsville Audubon Society 2010

**COMMITTEES**

Sam Houston State University- Botany Committee 2007-present

**CONFERENCES PRESENTATIONS**

Sigma Xi in Seattle, WA, November 2005: Mallory J. Brodrick & Diane L.H. Neudorf "An investigation of parental feeding rates in a Texas population of Carolina wrens (*Thryothorus ludovicianus*)."

Tri-Beta in Lake Texoma, OK, April 8, 2006: Mallory J. Brodrick & Diane L.H. Neudorf "An investigation of parental feeding rates in a Texas population of Carolina wrens (*Thryothorus ludovicianus*)."

Southwestern Association of Naturalists in Stephenville, TX, April 20, 2007: Mallory J. Brodrick and Diane L.H. Neudorf "Parental provisioning rates to nestlings in the genetically monogamous Carolina Wren."

Texas Academy of Science in Waco, TX, March 3, 2007: Mallory J. Brodrick and Diane L.H. Neudorf "Parental provisioning rates to nestlings in the genetically monogamous Carolina Wren."

Tri-Beta in Lake Texoma, OK, March 31, 2007: Mallory J. Brodrick and Diane L.H. Neudorf "Parental provisioning rates to nestlings in the genetically monogamous Carolina Wren."

Texas Academy of Science in Junction, TX, March 5, 2009: Effect of prescribed burning for management of the red-cockaded woodpecker on the avian community in the Sam Houston National Forest.

Cooper Ornithological Society in Tucson, AZ, April 16, 2009: Effect of prescribed burning for management of the red-cockaded woodpecker on the avian community in the Sam Houston National Forest.

Southwestern Association of Naturalists in Monterrey, Mexico, April 23, 2009: Effect of prescribed burning for management of the red-cockaded woodpecker on the avian community in the Sam Houston National Forest.

Texas Academy of Science in Stephenville, TX, March 5, 2010: Effect of prescribed burning for management of the red-cockaded woodpecker on the avian community in the Sam Houston National Forest.

## **CONFERENCES ATTENDED**

- Sigma Xi Annual Meeting & Student Research Conference- Seattle, WA-  
November 3-6, 2005
- Tri-Beta- Lake Texoma Oklahoma University Field Station- April 7-9,  
2006
- Southwestern Association of Naturalists Annual Conference- Tarleton  
State University- Stephenville Texas- April 19-21,  
2007
- Texas Academy of Science 110th Annual Meeting – Baylor, Waco March  
1-3, 2007
- Tri-Beta- Lake Texoma Oklahoma University Field Station- March 30-  
April 1, 2007
- Texas Academy of Science 111th Annual Meeting - Texas A & M  
University, Corpus Christi March 6-8, 2008
- Tri-Beta- Lake Texoma Oklahoma University Field Station- April 4-6,  
2008
- Texas Wildlife Diversity Conference by Texas Parks and Wildlife  
Department Houston Zoo- January 18, 2008
- Texas Academy of Science 112th Annual Meeting- Junction, Texas  
March 5-7, 2009
- Southwestern Association of Naturalists Annual Conference-  
Monterrey, Mexico - April 23-25, 2009
- Cooper Ornithological Society Annual Meeting- Tucson, Arizona April  
16-18, 2009
- Texas Academy of Science 113th Annual Meeting- Stephenville, Texas  
March 5-7, 2010