

ANNUAL REPORT: June 1, 2013 – May 31, 2014
(i.e., Summer 2013, AY 2013-2014)
DEPARTMENT OF ENVIRONMENTAL AND FOREST BIOLOGY
SUNY-ESF

NAME: Jonathan Cohen

I. INSTRUCTIONAL ACTIVITIES

1. Regular Course Offerings

	<u>Course No.</u>	<u>Title</u>	<u>Credit Hrs.</u>	<u>No. Students</u>	<u>No. of Lab. Sections</u>
SUMMER:					
FALL:	EFB 493	Wildlife Habitats and Populations	4	50	2
	EFB 693	Wildlife Habitats and Populations	4	8	2
	EFB 796	WinBUGS for Ecologists	3	10	
	EFB 797	Classic Readings in Pop Ecol	1	11	
SPRING:					
	EFB 797	Core Seminar	1	15	

NOTE: PLEASE INDICATE WHICH COURSE(S) HAD A SERVICE-LEARNING COMPONENT AND BRIEFLY EXPLAIN THE NATURE OF THIS COMPONENT. For examples of service-learning in courses, see: <http://www.esf.edu/students/service/courses.htm>. Service-learning is a form of structured experiential education in which students engage with the community to be active learners, to enrich their sense of civic responsibility, and to explore practical application for course content. Faculty oversight, reflective thinking, and reciprocity are key components of service-learning. EFB courses currently listed with service-learning components include: 416/6/1, 486, 518, 521, 532, 446/646.

2. Non-Scheduled Course Offerings (e.g., 496, 899, 999)

<u>Course No.</u>	<u>Title</u>	<u>Credit Hrs.</u>	<u>No. Students</u>
EFB 298	Research Internship	1	5
EFB 495	Undergrad Exp/Coll Teachin	3	1
EFB 496	Wildlife Habitats and Pop. Class Project	1	31
EFB 499	Honors Thesis Research	2-3	2
EFB 796	Wildlife Habitats and Pop. Class Project	1	3
EFB 420	Prof Internship	1-3	2
EFB 499	Honors Thesis Research	2-3	2
EFB 899	Master's Thesis Research	vary	4
EFB 999	Doctoral Thesis Research	vary	4

3. Continuing Education and Extension (short courses, workshops, etc.)

4. Guest Lecture Activities

<u>Course No.</u>	<u>Title</u>	<u>No. of Lectures</u>
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II. STUDENT ADVISING

- A. Number of undergraduates for whom you are the student's official advisor 16 and unofficial advisor 0
- B. Graduate Students: (Name, degree sought, starting date, month & year; if a degree was completed, please give date and full citation for the thesis or dissertation).

MAJOR PROFESSOR

Maureen Durkin, M.S., August 2011 (still pending); Ph. D. January 2014 – Candidate March 2016
Alison Kocek, M.S. January 2012 (still pending); Ph. D. August 2014 – Candidate April 2016
Michelle Stantial, Ph.D., January 2016
Amanda Cheeseman, Ph.D. August 2013 – Candidate February 2016
Melissa Althouse, M.S., January 2014

CO-MAJOR PROFESSOR

Peach, Michelle, Ph.D. August 2009 – Candidate March 2011. Co-advisor Jacqui Frair
S. Mello, M.S. August 2015, Co-advisor Chris Whipps
A. Bleau, M.S. August 2015, Co-advisor Michael Schummer
J. Droke M.S. August 2015, Co-advisor Michael Schummer

MEMBER, STEERING COMMITTEE (other than those listed above)

Alison Devlin (EFB, Ph.D.)
Joseph Folta (EFB, Ph.D.)
Emily Gavard (EFB, M.S.)
Kayla Davis (Virginia Tech, M.S.)
Erin Heller (Virginia Tech, Ph.D.)
Low Che Pheng (EFB, M.S.)
Wendy Leuenberger, (EFB, M.S.)
Harrison Goldspiel (EFB, M.S.)
Bronson Curry (EFB, M.S.)

CHAIRMAN OR READER ON THESIS EXAMS, ETC.

Joel F. Ramtahal, Ph.D. Environmental Studies, Chair of Candidacy Exam
Ibrahim Game, M.S., ERE, Chair of Defense

III. RESEARCH COMPLETED OR UNDERWAY

A. Departmental Research (unsupported, boot-legged; title - % time spent)

Stopover Ecology of Piping Plovers in South Carolina – 1%

Road Mortality of Wildlife at Gulf Islands National Seashore – 1%

B. 1. Grant-supported Research (source, subject, amount - total award and current year, award period starting and ending dates; list graduate research assistants supported by each grant)

Cohen JB, Cheeseman A. New England cottontail habitat use, dispersal, and survival in New York. \$5,563. 5/2016-7/2016. Gordon Douglas. Supporting Amanda Cheeseman.

Cohen JB, Schummer ML. Ecological separation of wintering mallards and black ducks in New York. New York DEC. \$346,062. 4/2015-3/2018. Supporting Adam Bleau and Justin Droke

Cohen JB, Schummer ML, Swift B. Ecological separation of wintering mallards and black ducks in the Finger Lakes Region. U.S. Fish and Wildlife Service. \$119,958. 10/2015-12/2017. Supporting Adam Bleau and Justin Droke

Cohen, J.B, Pruner R, Bromley C, Durkin M. Experimental management of vehicle mortality and chick predation to benefit beach-nesting birds at Gulf Islands National Seashore. National Fish and Wildlife Foundation. \$105,000. 1/2016-12/2016. Supporting Maureen Durkin.

Cohen JB, Stantial M. Piping plover reproductive success at the Edwin B. Forsythe National Wildlife Refuge. \$60,000 3/2016-5/2017. U.S. Fish and Wildlife Service. Supporting Michelle Stantial.

Cohen JB, Stantial M. Factors Limiting piping plover productivity in Southern New Jersey. \$50,000 12/2015-6/2017. U.S. Fish and Wildlife Service. Supporting Michelle Stantial

Cohen JB. Factors limiting piping plover productivity in New Jersey. \$150,000 2/2015-3/2016. National Fish and Wildlife Foundation. Supporting Michelle Stantial

Cohen JB. Decision support modeling for recovery of the piping plover at Edwin B. Forsythe National Wildlife Refuge. \$270,000 11/2014-11/2016. U.S. Fish and Wildlife Service

Elphick C, Olsen B, Shriver G, Cohen JB, Kovach A. Response of the tidal marsh bird community to Hurricane Sandy. \$1,573,950 (\$155,466 managed by Cohen). 10/2014-9/2016. U.S. Fish and Wildlife Service, supporting Alison Kocek.

Olsen B, Elphick C, Shriver G, Cohen JB, Kovach A. Response of the tidal marsh bird community to Hurricane Sandy. \$1,409,127 (\$104,819 managed by Cohen). 1/2015-11/2016. U.S. Fish and Wildlife Service. Supporting Alison Kocek.

Karpanty SM, Cohen JB, Parsons KC, Jedrey E. Obtain critical management information regarding endangered roseate terns. \$330,039 (\$91,892 managed by Cohen). 7/2014 – 12/2016. National Park Service. Supporting Melissa Althouse.

Cohen, J.B., C. Whipps, and S. J. Ryan. Assessing the use of newly-restored early successional forest by the endangered New England cottontail, using genetic dispersal analysis. McIntire-Stennis, \$51,929, 8/2015 – 9/2017, supporting Amanda Cheeseman

Cohen, J.B., S.J. Ryan, and C. Whipps. Factors Limiting New England Cottontail Populations in New York – NYDEC, \$860,000, 8/2013 – 7/2017, supporting Amanda Cheeseman and Emily Gavard

Cohen, J.B. Population-level effects on Snowy Plovers of road mortality at Gulf Islands National Seashore – National Fish and Wildlife Foundation via National Audubon, \$274,225, 1/14 – 12/16, supporting Maureen Durkin

Cohen, J.B. Piping Plover Movements and Flight Heights During the Breeding Season – U.S. Fish and Wildlife Service, \$295,000 2011, 1/2011 – 8/2015, supporting Michelle Stantial

Cohen, J.B. Monitoring Techniques for Ring-Necked Pheasants – NYDEC, \$50,803 2012, 4/2012 – 8/2015, supporting Laurel Nowak-Boyd

2. Research Proposals pending (include information as in B.1., above).

Cohen JB, Durkin M, Pruner R, Bromley C. Vegetation management to benefit beach-nesting birds in Florida. NFWF. \$248,738.

Cohen JB, Durkin M, Pruner R, Bromley C. Effects of vegetation and substrate on nest site selection and nest survival of beach-nesting birds. U.S. Fish and Wildlife Service. \$9,998. Accepted for funding.

Cohen JB, Darrah A, Increasing benefits of piping plover nest exclosures. U.S. Fish and Wildlife Service. \$137,000. Accepted for funding.

3. Research Proposals submitted, but rejected (include information as in B.1, above)

Farrell S, Cohen JB. Bird occupancy and performance on restored grassland sites on Long Island. New York City Dept. Environmental Protection. \$331,450.

Cohen JB. Gulf Research Program Fellowship. National Academies of Science. \$76,000.

IV. PUBLICATIONS (Full bibliographic citation, i.e., do not use "with Jones," or "Jones, et al."; please list only publications published, in press, or actually submitted during this reporting period --- **do not list manuscripts in preparation**).

A. Refereed Publications

Cohen JB, Hecht A, Robinson KF, Osnas EE, Tyre AJ, Davis C, Kocek A, Maslo B, Melvin S. To exclose nests or not: structured decision making for the conservation of a threatened species. *Ecosphere*. In press.

Johnson BD, Gibbs JP, Shoemaker KT, Cohen JB. 2016. Demography of a small and isolated population of eastern Massasauga rattlesnakes (*Sistrurus catenatus*) threatened by vegetative succession. *Journal of Herpetology*. In press.

Ryan SJ, Gavard EJ, Cheeseman AM, Cohen JB, Whipps CM. 2016. Reference and baseline hematocrit measures for the threatened New England cottontail (*Sylvilagus transitionalis*) and comparison with sympatric Eastern cottontail (*Sylvilagus floridanus*) rabbits. *Journal of Zoo and Wildlife Medicine*. In press.

- Buckley Luepold SH, Hodgman TP, McNulty SA, Cohen J, Foss CR. 2015. Habitat selection, nest survival, and nest predators of Rusty Blackbirds in northern New England, USA. *Condor* 117:609-623.
- Stantial ML, Cohen JB. 2015. Estimating Flight height and flight speed of breeding piping plovers. *Journal of Field Ornithology* 86:369-377.
- Cohen JB, Maddock S, Bimbi M, Golder W, LeDee O, Cuthbert FJ, Catlin D, Fraser J, Gratto-Trevor C. State uncertainty models and mark-resight models for understanding nonbreeding site use by the piping plover (*Charadrius melodus*). *Ibis*. In review.
- Nowak-Boyd L, Cohen JB, Wasilco M. Estimation of occupancy rates and density of ring-necked pheasants (*Phasianus colchicus*) in New York. *Journal of Wildlife Management*. In review.
- Kocek AR, Cohen JB. Nesting habitat selection of imperiled tidal marsh sparrows in an urban ecosystem. *Estuaries and Coasts*. In review.
- Gavard E, Whipps CM, Cohen J, Ryan SJ. Gastrointestinal parasites of the New England cottontail (*Sylvilagus transitionalis*) and eastern cottontail (*Sylvilagus floridanus*) in the Hudson Valley, New York. *Journal of Parasitology*. In review.
- Peach MA, Cohen JB, Frair JL. A single visit, dynamic occupancy model: an approach to account for imperfect detection with Atlas data. *Journal of Applied Ecology*. In review.
- Althouse MA, Cohen JB, Spendelow JA, Karpanty SM, Davis KL, Parsons KC, Luttazi CF. Quantifying researcher effects on staging terns during intensive monitoring. *Waterbirds*. In review.
- Leuenberger W, McNeil DJ, Cohen J, Larkin JL. Vegetation characteristics of golden-winged warbler (*Vermivora chrysoptera*) territories in post-forest fire and post-agricultural communities. *Wilson Journal of Ornithology*. In review.
- Ruskin KJ, Etterson MA, Hodgman TP, Borowske A, Cohen JB, Elphick C, Field CR, Kern RA, King E, Kocek AR, Kovach AI, O'Brien KM, Pau N, Shriver WG, Walsh J, Olsen BJ. In review. Seasonal fecundity is not related to geographic position across a species' global range despite a central peak in abundance. *Oecologia*. In review.
- Field CR, Ruskin KJ, Benvenuti B, Borowske A, Cohen JB, Garey L, Hodgman TP, Kern RA, King E, Kocek AR, Kovach AI, O'Brien KM, Olsen BJ, Pau N, Roberts S, Shelly E, Shriver G, Walsh J, Elphick CS. Quantifying the importance of geographic replication and representativeness when estimating demographic rates. *Ecography*. In review.
- Fuda RK, Ryan SJ, Cohen JB, Hartter J, Frair JL. Assessing impacts to primary productivity at the human-park interface in Murchison Falls Conservation Area, Uganda. *Ecosphere*. In revision.

B. Non-refereed Publications

C. Papers Presented at Science Meetings (give title, date, occasion, and location)

- Althouse MA, Cohen JB, Spendelow JA, Karpanty SM, Davis KL, Parsons KC, Luttazi CF. Quantifying Significant Distances to Minimize Disturbance Effects. 72nd Annual Northeast Fish and Wildlife

Conference. Annapolis, MD. April 2016.

- Darrah A, Cohen JB. Decision support population modeling for predator exclosure use for Piping Plover recovery Atlantic Coast Piping Plover and Least Tern Workshop. Shepherdstown, WV. Jan 2016.
- Stantial M , Cohen JB. Flight Behavior of Breeding Piping Plovers: Implications for Risk of Collision with Turbines and Other Human Structures. Atlantic Coast Piping Plover and Least Tern Workshop. Shepherdstown, WV. Jan 2016.
- Mello S, Cheeseman A, Gavard E, Cohen J, Whipps C, Ryan S. Habitat use, home range, and inter-annual trapping trends of New England cottontails in the presence of a non-native competitor. New England Cottontail Technical Committee Meeting. Charlestown, RI. Jan 2016.
- Stantial M , Cohen JB. Using Manual and Automated Telemetry for Monitoring Breeding Piping Plovers. Atlantic Coast Piping Plover and Least Tern Workshop. Shepherdstown, WV. Jan 2016. Poster.
- Darrah A, Cohen JB.. Decision support population modeling for Piping Plover recovery: project overview and progress. Western Hemisphere Shorebird Group meeting. Chincoteague, VA. Sep 2015.
- Althouse MA, Cohen JB, Spendelow JA, Karpanty SM, Davis KL, Parsons KC, Luttazi CF. Quantifying the Effects of Disturbance on Staging Roseate Terns (*Sterna dougallii*) on the Cape Cod National Seashore. 39th annual meeting of The Waterbird Society. Bar Harbor, ME. August 2015. Invited.
- Althouse MA, Cohen JB. The Importance of the Cape Cod National Seashore to the Federally Endangered Roseate Tern. Science in the Seashore Annual Symposium. Eastham, MA. August 2015.
- Darrah A, Cohen JB. Decision support population modeling for Atlantic Coast Piping Plover recovery: 2015 field season. 39th annual meeting of The Waterbird Society. Bar Harbor, ME. August 2015. Poster.
- Cheeseman,A., Cohen J, Whipps C, Ryan S. The influence of invasive species on habitat use and dispersal of the New England cottontail, an imperiled endemic lagomorph in a human-dominated landscape. Vth Wildlife Management Congress. Sapporo, Japan. July 2015. Invited.
- Ryan, S, Gavard E, Cohen J, Cheeseman A, Whipps C. The effect of an introduced competitor and non-native forage plants on parasites and body condition of the New England cottontail in fragmented habitat. Vth Wildlife Management Congress. Sapporo, Japan. July 2015. Invited.

D. Public Service Presentations (lectures, seminars, etc. to and for the public; give group or occasion, date(s), and attendance)

Cheeseman A, Gavard E, Cohen J, Whipps C, Ryan S. New England cottontail. New York Fish and Wildlife Management Advisory Board. Hamilton, NY. 15 in attendance. March 2017.

Darrah A, Cohen J. Decision support population modeling for Piping Plover recovery. MA coastal waterbird cooperator's meeting. Barnstable, MA. August 2015. ~100 attendees.

Althouse MA, Cohen J. Demographic and Behavioral Effects of Disturbance on Staging Roseate Terns. Mass

Audubon Coastal Waterbird Program, biweekly staff meeting. Cummaquid, MA. July 2015. ~20 attendees.

Stantial M, Cohen J. Factors limiting abundance and productivity in southern New Jersey. NJ State Cooperators Meeting. Cape May, NJ. December 2015.

V. PUBLIC SERVICE

A. Funded Service (include consulting activities)

1. Government Agencies (Federal, State, Local):

2. Industrial and Commercial Groups, etc.

B. Unfunded Service to Governmental Agencies, Public Interest Groups, etc.

Advisory board for the Goldenrod Foundation (private nonprofit)

Advisor to the U.S. Shorebird Conservation Plan (US Fish and Wildlife Service)

Mentor to 1 student, Authentic Science Research Program, Byram Hills High School, Armonk, NY (project won the "Mianus River Gorge Ecology Award")

VI. PROFESSIONAL DEVELOPMENT

A. Professional Honors and Awards (for teaching, research, outreach, etc.)

Darrah A and Cohen JB. Scott Melvin Award for Most Valuable Contribution to Applied Piping Plover Conservation. Atlantic Coast Piping Plover/Least Tern Workshop

Cohen JB. New England Cottonail Conservation Award. U.S. Fish and Wildlife Service.

B. 1. Activities in Professional Organizations (offices held, service as chairman, member, participant or consultant)

The Waterbird Society, Chair of Conservation Committee

The Waterbird Society, Elected Councilor

2. Professional Society Membership

The Wildlife Society

The Waterbird Society

American Ornithologists Union

Association of Field Ornithologists

Wilson Ornithological Society

American Association for the Advancement of Science

Sigma Xi

3. Other Professional Activities

a. Editorial activity

Journal (s)

Responsibility

Other (books, symposia, etc.)

b. Reviewer

Journal(s)

No. of manuscripts

Journal of Wildlife Management

2

Biological Conservation

1

Waterbirds

2

PloS One

1

Auk

1

Journal of Ornithology

1

Ecological Applications

1

Journal of Avian Biology

1

Agency

No. of proposals

Northeastern States Research Cooperative

10

Other

c. Participation (workshops, symposia, etc.)

Name of workshop, etc.

Date

Place

C. Further Education/Re-training Undertaken, Leaves, Workshops, etc.

Advanced Heirarchical Modeling. Patuxent Wildlife Research Center. November 2015.

D. Foreign Travel (Where, When, Purpose)

VII. ADMINISTRATIVE AND SERVICE RESPONSIBILITIES (include committee participation)

A. Department-level

Faculty advisor for student chapter of The Wildlife Society

CCAC

GPAC, co-chair

IACUC

B. College-level

Committee on Curriculum

Reviewer for Sussman Internship Applications

Search Committee, Clerical Specialist, Purchasing

C. University-wide, including Research Foundation

I faced a new teaching challenge this Fall as enrollment in my Wildlife Habitat and Populations class grew by nearly 50% from prior years, from around 40 to 58. Time will tell if this was a single-year bump as it looks lower for next year. I tried to accommodate the increased class size with more groups for the group project but that did mean finding an extra class day for presentations. In lab it was more difficult than usual to assist each student. It seems I succeeded in still providing a good experience for undergraduates based on the very positive course survey results. However a couple of grad students were unhappy with the class so I will need to think about how to engage them better if enrollment is ever that high again. Along with Brian Underwood, I also taught my graduate level Bayesian statistics class, WinBUGS for Ecologists, to generally favorable reviews. It was rewarding to be able to teach grad students from different disciplines, as my other quantitative offering is fairly wildlife and fisheries specific. As part of a class “field trip”, some of us attended a workshop on wildlife abundance and survival estimation at Patuxent Wildlife Research Center with the scientist who wrote our class textbook. Responding to a perceived need for more classes on ecological theory, I co-led a seminar on classic readings in population biology with Shannon Farrell. In the future I am thinking of developing the seminar into a population ecology course, which EFB once had. In the spring I co-taught the Core seminar with Melissa Fierke, focused on proposal writing. There I always have the chance to interact with the most diverse group of graduate students, and this year we had a very engaged and enthusiastic group. I am happy to say that everyone in our course who applied for a Sussman Internship received one. I also worked with two Honors students this past year, both focusing on avian biology.

I have been very busy on the research front, with several new graduate students starting this year. I am now advising or co-advising 5 Ph.D. students and 3 M.S. students and managing \$2.6 million in grants and am coauthor on another \$2.9 million. My former M.S. student published a manuscript in the Journal of Field Ornithology and began working on her Ph.D. with me under several grants from the U.S. Fish and Wildlife Service and National Fish and Wildlife Foundation. Another Ph.D. and I received a new competitive grant from NFWF to support fieldwork on snowy plover demographics and wildlife road mortality in Florida. A new M.S. student started working with Dr. Whipps and me on another New England cottontail project, and Dr. Michael Schummer and me commenced work on DEC-funded American black duck research with two new M.S. students. My post-doc has been very successful and she received an award for our project at a recent meeting of coastal wildlife biologists and managers, recognizing our contribution to the conservation of piping plovers. The award was very meaningful to me, as it was in honor of a late friend and colleague. My lab traveled to many meetings this past year to present our research. We had three invited talks at symposia, one at the Waterbird Society annual meeting in Bar Harbor, Maine and two at the International Wildlife Congress in Sapporo, Japan. My Ph.D. student received a competitive travel grant from the World Lagomorph Society to present at the Wildlife Congress, so it was exciting to have her receive such a distinction. I have also been busy working on my own research, mainly involving modeling. I should soon have a first-authored paper in Ecosphere on structured decision making for management of piping plovers, and I have another analytical paper under review. Overall, in addition to five papers from this past year either in print or in press, I have another 10 under review. I have been proudest of mentoring some of my own students through the manuscript preparation and submission process. This past spring also saw my first Ph.D. student pass her candidacy exam, followed by my second and third in successive months. So my lab was focused heavily on the candidacy process. It was great that they could support each other with studying, and celebrate their success together.

This year I continued my service on the Committee on Curriculum where we reviewed many course and curriculum proposals as some departments have re-organized or added new majors. I was also part of the search committee for a new clerical specialist in the Purchasing office. I served for another term on the Sussman Review Committee, and at the informational session I spoke about ingredients for a successful proposal. I continued to work on the CCAC and as co-chair of GPAC with Dr. Patterson. Our biggest accomplishment this year, with leadership by Melissa Fierke, was production and dissemination of the EFB Grad Student handbook after the passage of new policies by the faculty. We also are working hard on an assessment of graduate student success, as it relates to criteria for GA awards and major professors. I served my second year on the IACUC committee where I have reviewed animal care protocols and toured animal holding facilities. I served another year as advisor to The Wildlife Society Student Chapter, and I am happy to say they recaptured their regional quiz bowl title. This spring, I organized a group of professors in EFB and FNRM with a common interest in early successional ecology and management into the “Young Forest Working Group.” We met twice and are planning to develop proposals for collaborative work related to the

rapidly emerging issue of early successional forest and wildlife conservation.

Outside of ESF, I finished my third and final term as a Waterbird Society Councilor and am continuing as chair of their Conservation Committee. My Ph.D. student and I served as advisors and co-authors on the Florida Beach-Nesting Bird Business Plan, which is a 15 year plan for management and monitoring of 5 species of bird in the state. I have also become involved in the Gulf of Mexico Shorebird Monitoring Network, providing expertise on piping plovers. I completed a mentoring program with a high school student from Armonk, NY in conjunction with my New England cottontail project, and he won the "Mianus River Gorge Ecology Award" for his work.

IX. A. FUTURE PLANS, AMBITIONS, AND POTENTIAL CONTRIBUTIONS FOR YOUR OWN PROFESSIONAL DEVELOPMENT AND THE ENHANCEMENT OF THE PROGRAM IN ENVIRONMENTAL AND FOREST BIOLOGY (brief summary)

This coming September I must submit my tenure package so that will be my major focus area for the summer. However I also have a busy summer schedule of visiting field sites, meeting with collaborators, and supporting my graduate students or presenting at scientific meetings.

For research, I have some new grant proposals pending to continue projects on beach-nesting birds in Florida with new graduate students and I am in discussion with the New York DEC about possible new cottontail and sparrow projects. I am also receiving a one-year grant for my post-doc to train wildlife managers in the use of the decision-support tools we are developing. I have also begun discussing a potential new Gulf Coast Field Research Station of the Roosevelt Station with a partner at Audubon Florida. If established the station would be run by a post-doc overseeing Audubon projects and ESF graduate student projects on Gulf Coast wildlife. If successful I have other plans to expand the Field Station idea, to capitalize on long term relationships I have been building with stakeholders and collaborators. I also intend to work with our new Young Forest Working Group to develop collaborative proposals. I hope these endeavors will bring further recognition to EFB and ESF as a leader in coastal and young forest research and conservation.

For teaching, I intend to expand my Spring offering on mark-recapture estimation to include undergraduates. I will also continue to work on developing endangered species management and population ecology offerings at the graduate level, as I was not able to implement them in the past year.

B. PROJECTED ACTIVITIES FOR NEXT YEAR

1. Summer 2016

a. Course(s) to be offered

b. Proposed research activity

M.S. research conducted by S. Mello, A. Bleau, J. Droke

Ph.D. research conducted by A. Cheeseman, M. Durkin, A. Kocek, M. Peach, M. Stantial

Post doctoral research conducted by A. Darrah.

c. University, professional society, and public service

Waterbird Society Council and Committee activities.

2. Fall Semester 2015

a. Course(s) to be offered

EFB 493/693: Wildlife Habitat and Populations

EFB 796: WinBUGS for Ecologists

b. Proposed research activity

M.S. research conducted by S. Mello, A. Bleau, J. Droke

Ph.D. research conducted by A. Cheeseman, M. Durkin, A. Kocek, M. Peach, M. Stantial

Post doctoral research conducted by A. Darrah.

Personal research/data analysis on estimation of wildlife road mortality

c. University, Professional society, and public service

Curriculum Committee, SUNY-ESF

Advisor, student chapter of TWS

Advisory board for Goldenrod Foundation and U.S. Shorebird Conservation Plan

Chair of Conservation Committee, the Waterbird Society

Continue to serve as reviewer for various journals

3. Spring Semester 2015

a. Course(s) to be offered

EFB 797 (1 credit) Core seminar

EFB 696: Population Parameter Estimation

b. Proposed research activity

Continuation of Fall projects

c. University, professional society, and public service

Similar to Fall, in addition: Sussman Internship reviewer