

**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	38	2
	EFB 693	Wildlife Habitats and Populations	4	3	2
SPRING:					
	EFB 796	Population Parameter Estimation	3	9	
	EFB 797	Core Seminar	1	14	

**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	17
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	8
EFB 498	Independent Research	3	2
EFB 798	Research Prob	1-2	3

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

Spatial Capture Recapture. Saltmarsh Habitat and Avian Research Group seminar. December 2014.

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 17 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; Ph. D. January 2014

Alison Kocek, M.S. January 2012, Ph. D. August 2014

Michelle Stantial, M.S. August 2012, graduated Dec. 2015. "Flight Characteristics of Breeding Piping Plovers: Implications for Risk of Collision With Wind Turbines"

Amanda Cheeseman, Ph.D. August 2013

Melissa Althouse, M.S., January 2014

CO-MAJOR PROFESSOR

Peach, Michelle, Ph.D. August 2009 (formerly student of W. Porter)

MEMBER, STEERING COMMITTEE (other than those listed above)

John Hartigan (EFB, M.S.)

Alison Devlin (EFB, Ph.D.)

Joseph Folta (EFB, Ph.D.)

Stewart Lapan (EFB, M.S., defended)

Becky Fuda (EFB, M.S., defended)

Andrea Thomen (EFB, M.S., defended)

Emily Gavard (EFB, M.S.)

Kayla Davis (Virginia Tech, M.S.)

Low Che Pheng (EFB, M.S.)

CHAIRMAN OR READER ON THESIS EXAMS, ETC.

Andy MacDuff (EFB, M.S., examiner)

### **III. RESEARCH COMPLETED OR UNDERWAY**

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

Stopover Ecology of Piping Plovers in South Carolina – 1%

Stopover movements of Red Knots between Virginia and Delaware Bay – 1%

Exclosure use for Piping Plovers on the Atlantic Coast – 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. Factors Limiting Piping Plover Productivity in New Jersey. \$150,000 2/2015-3/2016. National Fish and Wildlife Foundation.

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. Resilience of the tidal marsh bird community to Hurricane Sandy. \$569,346 (\$44,850 managed by Cohen). 4/2014-12/2014. 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. Piping Plover Movements and Flight Heights During the Breeding Season, supplemental – N.J. Division of Wildlife, \$50,000 2012, 3/2012 – 8/2014, supporting Michelle Stantial

Cohen, J.B. and S. Elbin. Effect of Salt Marsh Changes on Breeding Birds, With Emphasis on the Saltmarsh Sparrow – NYDEC, \$120,000 2012, 4/1/2012-3/31/2015, supporting Alison Kocek

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

Cohen, J.B. Population Viability Analysis of Florida Snowy Plovers – U.S. Fish and Wildlife Service, \$20,000 2011. 1/2011 – 12/2014, supporting Maureen Durkin

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

Cohen JB, Schummer ML. Ecological Separation of Wintering Mallards and Black Ducks in New York. New York DEC. \$330,000. Accepted for Funding.

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. \$120,000. Accepted for Funding.

Cohen, J.B. Experimental management of vehicle mortality and chick predation to benefit beach-nesting birds at Gulf Islands National Seashore. National Fish and Wildlife Foundation. \$106,994.

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

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

Orazio, C., Echols, K., Cohen, J.B. Persistent organohalogen pollutants and toxic elements in eggs of piping plovers (*Charadrius melodus*) as an indicator of exposure to Hurricane Sandy storm-dispersed contaminants in piping plovers from New Jersey Coastal Areas.- National Fish and Wildlife Foundation \$110,281.

**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

Stantial M. L. and J. B. Cohen. In revision. Estimating flight height and flight speed of breeding Piping Plovers. Journal of Field Ornithology.

Buckley Luepold, S. H., T. P. Hodgman, S. A. McNulty, J. Cohen, and C. R. Foss. In revision. Habitat selection, nest survival, and nest predators of Rusty Blackbirds in northern New England. Condor.

Callahan, T. E. and J. B. Cohen. In review. Nest Site Characteristics of Piping Plovers (*Charadrius melodus*) on the South Fork of Long Island, NY. Wilson Journal of Ornithology

LaBarge, L. R., J. B. Cohen, W. Shields, and D. Kiernan. In review. Predator Recognition in Captive Tadjik Markhor (*Capra falconeri heptneri*): Implications for Reintroduction. Zoo Biology.

Thomen, A. P., S. J. Ryan, J. B. Cohen, S. L. Farrell, and S. C. Latta. In review. Social-ecological implications for bird-friendly management in Dominican cacao landscapes.

K. J. Ruskin, M. A. Etterson, T. P. Hodgman, A. Borowske, J. B. Cohen, C. S. Elphick, C. R. Field, R. A. Kern, E. King, A. R. Kocek, A. I. Kovach, K. M. O' Brien, N. Pau, W. G. Shriverr, J. Walsh, and B. J. Olsen. In review. Demographic analysis demonstrates contrasting abiotic and biotic stressors across a species range. *Journal of Biogeography*.

B. Non-refereed Publications

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

Cheeseman AE, Cohen J, SJ Ryan, CM Whipps. April 2015. Home range and habitat use of New England cottontails in New York. Paper. 71<sup>st</sup> Annual Northeast Fish and Wildlife Conference, Newport, RI.

Althouse MA, Cohen JB. April 2015. Effects of Disturbance on Staging Roseate Terns (*Sterna dougallii*) in the Cape Cod Paper. National Seashore. 71<sup>st</sup> Annual Northeast Fish and Wildlife Conference. Newport, RI

Durkin MM, Cohen JB. February 2015. Radio Telemetry for Snowy Plover Chick Study. Snowy Plover Working Group Meeting. Panama City, FL.

Cheeseman AE, Cohen J, SJ Ryan, CM Whipps. January 2015. Home range and habitat use of New England cottontails in New York. Paper. New England Cottontail Annual Technical Committee Meeting, Burlington, CT.

Stantial ML, Cohen JB. December 2014. Flight Behavior of Breeding Piping Plovers: Implications for Risk of Collision with Turbines and Other Human Structures. NJ State Cooperator's Meeting Cape May, New Jersey

Cohen JB, Robinson K, Osnas E, Tyre D, Hecht A, Brinker D, Davis C, Hake M, Johnson L, King E, Kocek A, Maslo, B, Melvin S, Pover T, Minich Titske L, Brewer DC, Johnson F. November 2014. Benefits and Risks of Exclosure Use for Atlantic Coast Piping Plovers. Paper. Waterbird Society 38th Annual Meeting/XIII CECAM Joint Meeting, La Paz, Mexico.

Durkin MM, Cohen JB. November 2014. Demographic Consequences of Road Mortality to Snowy Plovers at Gulf Islands National Seashore, FL. Paper. Waterbird Society 38th Annual Meeting/XIII CECAM Joint Meeting, La Paz, Mexico.

Stantial ML, Cohen JB. November 2014. Using a Collision Risk Model to Assess Potential Impacts to Breeding Piping Plovers along the Atlantic Coast. Paper. Waterbird Society 38th Annual Meeting/XIII CECAM Joint Meeting, La Paz, Mexico.

Kocek, AR, Cohen, JB. November 2014. Factors affecting saltmarsh and seaside sparrow reproductive success in New York City, NY, USA: Implications for tidal marsh management action plans in urban areas. Paper. Waterbird Society 38th Annual Meeting/XIII CECAM Joint Meeting, La Paz, Mexico.

Althouse MA, Cohen JB. November 2014. Effects of Disturbance on Staging Roseate Terns (*Sterna dougallii*) in the Cape Cod National Seashore. Paper. 2014 ROST Recovery Workgroup Annual Meeting. Hadley, MA.

Cohen JB, Maddock S, Bimbi M, Golder W, Ledee O, Cuthbert FJ, Catlin D, Fraser J, Gratto-Trevor C. August 2014. State Uncertainty Models for Migration Stopover Dynamics of an Endangered Short Distance Migrant, the Piping Plover (*Charadrius melodus*) in South Carolina, USA. Poster. International Ornithological Congress, Tokyo, Japan.

Durkin MM, Cohen JB. August 2014. Tern and Plover Road Mortality at Gulf Islands National Seashore, Florida. Poster. International Ornithological Congress, Tokyo, Japan.

Durkin MM, Cohen JB. August 2014. Snowy Plover Demographics and Road Mortality at Gulf Islands National Seashore. Gulf Islands Shorebird Monitoring End-of-Season Wrap-up. Gulf Islands National Seashore, Gulf Breeze, FL.

Kocek, AR, Cohen, JB. August 2014. Factors affecting saltmarsh and seaside sparrow reproductive success in New York City, NY, USA: Implications for tidal marsh management action plans in urban areas. Paper. International Ornithological Congress, Tokyo, Japan.

Stantial ML, Cohen JB. August 2014. Flight Behavior of Breeding Piping Plovers: Implications for Risk of Collision with Turbines and Other Human Structures. Poster. 26th International Ornithological Congress Tokyo, Japan.

Cheeseman AE, Cohen J, SJ Ryan, CM Whipps. June 2014. Survival and home range of New England cottontail (*Sylvilagus transitionalis*) in response to hunting, competition, and habitat composition. 94<sup>th</sup> Annual Meeting of the American Society of Mammalogists, Oklahoma City, OK. **Awarded best poster.**

Althouse MA, Cohen JB. November 2014. Effects of Disturbance on Staging Roseate Terns (*Sterna dougallii*) in the Cape Cod National Seashore. Paper. The 38th annual meeting of The Waterbird Society and the 13th Congress for the Study and Conservation of the Birds in Mexico (CECAM), La Paz, Baja California Sur, Mexico

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

Durkin MM, Cohen JB. May 2015. Snowy Plovers at Gulf Islands National Seashore: Conservation Challenges and Current Research. Pensacola, FL.

Cheeseman AE, Cohen JB, Ryan SJ, Whipps CM. April 2015. A Brush with Bunnies: Perils Facing Native Cottontails in a Changing Landscape. 2015 Palisades Interstate Parks League of Naturalists Lyceum Seminar Series, Bear Mountain, NY ~ 30 attendees.

Althouse MA, Cohen JB. April 2015. Tourism and Terns: Effects of Disturbance on Staging Roseate Terns. April 2015 Onondaga Audubon Society Meeting. Onondaga Free Library, Onondaga, NY ~20 in attendance

Stantial ML, Cohen JB. February 2015. Flight Behavior of Breeding Piping Plovers: Implications for Risk of Collision with Turbines and Other Human Structures. USFWS Webinar Meeting Online.

Stantial ML, Cohen JB. February 2015. The Active Night Life of Birds. Onondaga Audubon Society Meeting Baldwinsville, New York ~20 ppl

Althouse MA, Cohen JB. July 2014. Effects of Disturbance on Staging Roseate Terns (*Sterna dougallii*). Mass Audubon Coastal Waterbird Program, biweekly staff meeting. Longpasture Wildlife Sanctuary, Cummaquid, MA ~20 in attendance

Althouse MA, Cohen JB. August 2014. Staging Roseate Terns (*Sterna dougalii*) in the Cape Cod National Seashore. End-of-season meeting of Coastal Waterbird Conservation cooperators. Cape Cod Community College, Barnstable, MA. ~250 in attendance

Stantial ML, Cohen JB. June 2014. Something to Crow About: How Researchers are Tracking Bird Movements on Cape Cod and Beyond Goldenrod Foundation Plymouth, Massachusetts ~40 ppl

## 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)

BioBlitz at Onondaga Lake, September 2014

Mentor to 1 student, Authentic Science Research Program, Byram Hills High School, Armonk, NY

Supervisor for 1 student, Advanced Science Research Program, Peddie School (High School), Hightstown, NJ

## VI. PROFESSIONAL DEVELOPMENT

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

Certified Wildlife Biologist, The Wildlife Society, February 2015

### 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

Integrative Zoology  
Waterbirds

1  
1

Agency

No. of proposals

Maine Agricultural Experiment Station  
National Fish and Wildlife Foundation

1  
1

Other

c. Participation (workshops, symposia, etc.)

Name of workshop, etc.

Date

Place

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

D. Foreign Travel (Where, When, Purpose)

Tokyo, Japan. July 2014. Presented poster and supported graduate students posters and presentations at International Ornithological Congress.

La Paz, Mexico. November 2015. Presented talk and supported graduate student presentations at The Waterbird Society annual meeting.

**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



### C. University-wide, including Research Foundation

This was a year where I polished Wildlife Habitats and Populations. With another excellent TA this year, I could focus on making some small refinements to the class, and I was happy when once again the students applauded on the last day of lecture. Enrollment in this class is starting to be large enough, however, that I might have to rethink some aspects of the course, mainly the way group projects are done. So next semester may bring that new challenge. In the Spring I taught my parameter estimation class for the third time. However, it was the first time without a co-instructor. So I developed some new material for the class including a new lecture and more details on topics that have always been part of the course. Next time I teach it I will have to formally describe the class, but my time on CCAC and COC should prepare me well for that. In the spring I co-taught the Core seminar with Melissa Fierke. That is always interesting to lead because I meet graduate students that are outside of my discipline and the discussions are lively. My first Honors student finished her thesis and presented a poster at an undergraduate research symposium. Both of my recent Honors students submitted manuscripts to peer-reviewed journals. I began work with another Honors student on piping plovers, a species near and dear to my heart. I also worked with two other undergrads on independent research, including one student from Syracuse University's Earth Sciences department.

I had another M.S. student graduate, and she decided to stay and work with me as a research scientist because we got a substantial one year grant together from the National Fish and Wildlife Foundation (\$150,000). She also submitted part of her thesis work to the Journal of Field Ornithology, and was invited to revise the manuscript for further consideration. My first post doc joined my lab in November, and it has been fun developing the research project together. My other recent graduates are close to having manuscripts ready, and three other grads whose committee I have served on, or else collaborated with, have manuscripts either in revision or review. I became a co-advisor to a Ph.D. My students distinguished themselves at several regional, national, and international meetings. We had a great time presenting in Japan and Mexico at ornithological meetings, and my students successfully obtained travel awards ranging from \$200 to \$1000 to attend. At our lab's first mammalogy conference, my Ph.D. student won the best overall poster award. Partly stemming from that success, we received an invitation to speak in a lagomorph symposium at the International Wildlife Congress in Sapporo, Japan this July. I was able to find funding to send my Ph.D. student to speak during the symposium, and my colleague Sadie Ryan will give another talk stemming from our collaborative research. My M.S. student will also be giving an invited talk this year, at the Waterbird Society meeting in Bar Harbor, Maine in August. Overall I was managing \$2.1 million in first-authored grants and was a coauthor on another \$3.3 million.

I finished my term on the Committee on Curriculum but will be re-enlisting for another two years. This past year I reviewed dozens of course proposals as the University prepares for seamless transfer and the Environmental Health program. I also served for another term on the Sussman Review Committee, for which I reviewed 16 proposals. I continued to work on the CCAC and as co-chair of GPAC with Dr. Fierke. We had several accomplishments. The two graduate student reps on the committee undertook a survey of EFB grad students satisfaction with course offerings and the grad program in general, and the results were presented at a faculty meeting and are likely to lead to some changes. We also are close to finishing a grad student handbook. I also joined the IACUC committee where I have reviewed several animal care protocols. I served another year as advisor to The Wildlife Society Student Chapter, and I was proud that once more they won the state quiz bowl and had another successful beast feast. I also had a very enjoyable time working with my Ph.D. student and many other EFB faculty and students to run the Onondaga Lake Bioblitz in September. I assisted with the small mammal trapping, and with interacting with the public in one of the tents.

For my own professional development, I agreed to a request to run for Vice President of The Waterbird Society. If elected, I would be president-elect and would become president in two years. I continued to serve the Society as a Council member. I continue to pursue small projects on my own, mainly involving data analysis, and I expect to have at least one first authored paper submitted to Ecological Applications by the end of June 2015. I also have begun mentoring one high school student in fieldwork for his school's science program, and together with my Ph.D. student we helped him to initiate data collection on a New England cottontail project. I also have agreed to have another high school student join my Piping Plover research in New Jersey this year.

**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 year I helped to organize the wildlife major's exit exam, which stemmed from the recent assessment process. We administered the exam at the end of EFB 493. We learned a lot both about what students are taking away from the major as well as about useful exit exam questions, and will incorporate what we learned into continuing revisions of course material and refinement of the test. I am working with Dr. Farrell on developing an Endangered Species Management course. We hope to be able to offer it in the coming fall, for graduate students. I will also teach my WinBUGS class again this coming fall, this time as a full-fledged 3-credit course for grad students.

For research, I will have 3 new M.S. students starting in the Fall. Two will be co-advised with adjunct faculty Michael Schummer, with whom I am developing a productive and enjoyable collaboration. These students will be funded by the New York DEC and US Fish and Wildlife Service Black Duck Joint Venture. The other student will be funded on McIntire-Stennis money and will be co-advised by Chris Whipps to study parasites of the New England cottontail.

For other professional development activities, I am running for vice-president of The Waterbird Society and will find out the results of the election at the annual meeting in August in Bar Harbor. I am also getting involved with a structured decision making process for Florida beach-nesting birds.

**B. PROJECTED ACTIVITIES FOR NEXT YEAR**

1. Summer 2015

a. Course(s) to be offered

b. Proposed research activity

M.S. research conducted by M. Althouse

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

Post-M.S. research conducted by M. Stantial.

Post doctoral research conducted by A. Darrah.

c. University, professional society, and public service

Waterbird Society Council and Committee activities. Running for Vice-President

2. Fall Semester 2015

a. Course(s) to be offered

EFB 493/693: Wildlife Habitat and Populations

EFB 796: WinBUGS for Ecologists

EFB 796: Endangered Species Management

b. Proposed research activity

M.S. research conducted by M. Althouse, L. Moran, J. Droke

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

Commence work on American black duck research project with DEC and Black Duck Joint Venture.

Commence work on NEC parasitology study with C. Whipps and an M.S. student TBD

Personal research/data analysis on Red Knot and Piping Plover migration ecology

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  
Council Activities, 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

#### b. Proposed research activity

Continuation of Fall projects

#### c. University, professional society, and public service

Similar to Fall, in addition: Sussman Internship reviewer