

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	25	2
	EFB 693	Wildlife Habitats and Populations	4	2	2
	EFB 796	WinBUGS for Ecologists	3	10	
SPRING:	EFB 797	Core Seminar	1	12	

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	7
EFB 495	Undergrad Exp/Coll Teachin	3	1
EFB 496	Wildlife Habitats and Pop. Class Project	1	23
EFB 498	Independent Research in EFB	3	1
EFB 796	Wildlife Habitats and Pop. Class Project	1	2
EFB 420	Prof Internship	3	1
EFB 499	Honors Thesis Research	2-3	2
EFB 899	Master's Thesis Research	vary	4
EFB 999	Doctoral Thesis Research	vary	5

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

Advanced Occupancy Modeling Workshop, Cornell University

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 21 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

Alison Kocek, Ph. D. August 2014 – Candidate April 2016. Completed M.S. September 2016. “Factors Impacting Tidal Marsh Sparrow Nesting Presence and Nest Survival in an Urban Environment of New York City”
Maureen Durkin, M.S. August 2011. Complete December 2016. “Impacts of anthropogenic disturbance on breeding snowy plovers (*Charadrius nivosus*) in the Florida Panhandle”
Michelle Stantial, Ph.D., January 2016
Amanda Cheeseman, Ph.D. August 2013 – Candidate February 2016
Melissa Althouse, M.S., January 2014. Complete November 2016. “Behavioral and Demographic Effects of Anthropogenic Disturbance to Staging Roseate Terns (*Sterna dougallii*) in the Cape Cod National Seashore”

CO-MAJOR PROFESSOR

Maureen Durkin, Ph.D., January 2014 – Candidate March 2016. Co-advisor Brian Underwood
Michelle Peach, Ph.D. August 2009 – Candidate March 2011. Co-advisor Jacqui Frair
Samantha Mello, M.S. August 2015, Co-advisor Chris Whipps
Adam Bleau, M.S. August 2015, Co-advisor Michael Schummer
Justin 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, MPS, complete April 2017)
Kayla Davis (Virginia Tech, M.S., complete December 2016)
Erin Heller (Virginia Tech, Ph.D.)
Low Che Pheng (EFB, M.S.)
Wendy Leuenberger, (EFB, M.S., complete May 2017)
Harrison Goldspiel (EFB, M.S.)
Bronson Curry (EFB, M.S.)
Julia Vanaman (EFB, M.S.)
Lisanne Petracca (EFB, PH.D.)

CHAIRMAN OR READER ON THESIS EXAMS, ETC.

Yang Qui, M.S., Environmental Science, 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%

Structured Decision Making for Predator Management for Piping Plovers – 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, Kocek AR, Liner J, Mazzocchi I, Shulenburg P, Nyver R. Informing Restoration of the Endangered Piping Plover to Lake Ontario. \$21,751. 3/2017-12/2019. NY Department of Environmental Conservation. Supporting Alison Kocek and Maureen Durkin.

Cohen JB, Darrah A. Increasing Benefits of Piping Plover Nest Exclosures. \$137,000. 1/2017-1/2018. U.S. Fish and Wildlife Service.

Cohen JB, Durkin M, Pruner R, Bromley . Effects of Vegetation and Substrate on Nest Site Selection and Nest Survival of Beach-Nesting Birds. \$9,998. 1/2017-1/2018. U.S. Fish and Wildlife Service.

Cohen JB, Stantial M. Factors Affecting Piping Plover Reproductive Success in Southern New Jersey and Priorities for Improving Monitoring and Management. \$28,404 4/2017-12/2018. U.S. Fish and Wildlife Service. Supporting Michelle Stantial.

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. \$113,483 3/2016-5/2018. 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 2/2015-3/2017. 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). 1/2015-11/2017. 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 – 12/2017. 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 – 8/17, supporting Maureen Durkin

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

Shriver G, Cohen J, Elphick C, Correll M, Kovach A, Olsen K, Ruskin K. Vegetation management to benefit beach-nesting birds in Florida. NFWF. \$4,609,304. U.S. Fish and Wildlife Service. \$121,960 managed by J Cohen. Accepted for funding.

Cohen JB, Kocek AR. Coastal Habitat Restoration for Salt Marsh Sparrows and Other NYC Nesting Marsh Species. NY DEC. \$362,369

Cohen JB, Cheeseman A. Scientific Management of New England Cottontails. NY DEC. \$550,048.

Cohen JB. Restoration of Piping Plovers to the Eastern Great Lakes. U.S. EPA. \$161,562.

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

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

Durkin M, Cohen JB, Pruner R. Monitoring and Protection of Beach Nesting Birds in Florida in Conjunction with Habitat Management. US Fish and Wildlife Service. \$11,712.

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 exclude nests or not: structured decision making for the conservation of a threatened species. *Ecosphere* 7:E01499.

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* 50:534-540.

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* 47:659-662.

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.

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 press.

Althouse MA, Cohen JB, Spendelow JA, Karpanty SM, Davis KL, Parsons KC, Luttazi CF. Quantifying researcher effects on staging terns during intensive monitoring. *Waterbirds*. 39:417-421.

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. *Journal of Field Ornithology*. In press.

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*. 183:391-201.

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* 7:E01486.

Stantial ML, JB Cohen, AJ Darrah, KE Iaquinto, PH Loring, PWC Paton. Radio transmitters did not affect daily nest and chick survival of Piping Plovers (*Charadrius melodus*). *Wilson Journal of Ornithology*. In press.

Stantial ML, Cohen JB. The influence of habitat, tidal stage, temperature and breeding status on the flight behavior of breeding piping plovers (*Charadrius melodus*). *Journal of Ornithology*. In review.

Darrah AJ, Cohen JB, Castelli P. A Bayesian multinomial logistic exposure model for estimating probabilities of competing sources of nest failure. *Ibis*. In review.

Gibson D, Catlin DH, Hunt KL, Fraser JD, Karpanty SM, Friedrich MJ, Bimbi MK, Cohen JB, Maddock SB> Evaluating the impact of man-made disasters on imperiled species: Piping plovers and the Deepwater Horizon oil spill. *Biological Conservation*. In review.

Klingbeil B, Cohen J, Correll M, Field C, Shriver G, Hodgman T, Kovach A, Olsen B, Wiest W, Elphick C. Using systematic conservation planning to identify a focal species for tidal marsh bird conservation in the Northeastern United States. *Conservation Biology*. In review.

Petracca LS, Frair JL, Cohen JB, Calderon AP, Carazo-Salazar J, Salazar FC, Corrales-Gutierrez D, Foster RJ, Harmsen B, Hernandez-Potosme S, Herrera L, Olmos M, Pereira S, Robinson HS, Robinson N, Salom-Perez, Urbina Y, Zellar KA. Robust inference on large-scale species habitat use using interview data: The status of jaguars outside protected areas in Central America. *Journal of Applied Ecology*. In review.

B. Non-refereed Publications

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

Peach M*, Cohen J, Frair J. Single-visit dynamic occupancy models: An approach to account for imperfect detection with Atlas data. 6th North American Ornithological Conference. Washington, DC. August 2016. Awarded best student paper.

Althouse M*, Cohen J, Spendelow J, Karpanty S, Davis K, Parsons K, Luttazi C. Evaluating anthropogenic disturbances to minimize effects on staging seabirds. 6th North American Ornithological Conference. Washington, DC. August 2016.

Kocek AR*, Cohen JB, Elphick C, Hodgman T, Kovach A, Olsen B, Shriver G, Benvenuti B, Borowske A, Field C, Garey L, Kern B, Roberts S, Ruskin K, Walsh J. Nest fates influence renesting characteristics in a tidal marsh sparrow. 6th North American Ornithological Conference. Washington, DC. August 2016.

Darrah AJ, Cohen JB. An interactive decision support tool to predict the demographic consequences of exclosure use in U.S. Atlantic Coast Piping Plovers. 6th North American Ornithological Conference. Washington, DC. August 2016.

Cohen JB, Maddock S, Bimbi M, Golder W, LeDee O, Cuthbert F, 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*). Poster. 6th North American Ornithological Conference. Washington, DC. August 2016.

Stantial ML*, Cohen JB. Understanding spatial and temporal distribution of red foxes (*Vulpes vulpes*) in piping plover nesting habitat in southern New Jersey. Poster. 6th North American Ornithological

Conference. Washington, DC. August 2016.

Droke J*, Cohen J, Schummer M, Stiller J. Comparison between spring migration strategies of mallards (*Anas platyrhynchos*) and black ducks (*Anas rubripes*) wintering in the Finger Lakes region. Poster. 6th North American Ornithological Conference. Washington, DC. August 2016.

Bleau A*, Cohen J, Schummer M, Droke J. Comparisons of habitat selection and behaviors between mallard (*Anas platyrhynchos*) and American black duck (*Anas rubripes*) in the finger lakes region during winter. Poster. 6th North American Ornithological Conference. Washington, DC. August 2016.

Davis K, Karpanty S, Spendelov J, Cohen J, Althouse M*, Parsons K, Luttazi C. Hatch year roseate tern (*Sterna dougallii*) behavioral responses to anthropogenic disturbances and natural events. 6th North American Ornithological Conference. Washington, DC. August 2016.

Kovach A, Wash J, Cohen J, Elphick C, Hodgman T, O'Brien K, Olsen B, Shriver WG. Gene flow and adaptation in a tidal marsh specialist. 6th North American Ornithological Conference. Washington, DC. August 2016.

Olsen B, Ruskin K, Longnecker R, Kocek A*, Cohen J, Elphick C, Kovach A, Shriver WG. Matryoshka niches: niche correlates of hypothesized time since colonization of a novel ecosystem. 6th North American Ornithological Conference. Washington, DC. August 2016.

Ruskin K, Borowske A, Correll M, Field C, Wiest W, Cohen J, Hodgman T, Kovach A, Olsen B, Shriver WG. Abundance and demographic rates are not correlated across the global range of a species. 6th North American Ornithological Conference. Washington, DC. August 2016.

Elphick C, Shriver WG, Kovach A, Cohen J, Correll M, Field C, Ruskin K, Wiest W, Hodgman T. The conservation status of tidal marsh birds in the northeastern United States. Poster. 6th North American Ornithological Conference. Washington, DC. August 2016.

Klingbeil B, Cohen J, Correll M, Field C, Hodgman T, Kovach A, Olsen B, Shriver G, Wiest W, Elphick C. Trade-offs in tidal marsh bird conservation planning for northeastern North America. 3rd North American Congress for Conservation Biology. Madison, WI. July 2016.

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

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.

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

VI. PROFESSIONAL DEVELOPMENT

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

Cooper Ornithological Society Board of Directors Best Student Paper Award for Peach M, Cohen J, Frair J. Single-visit dynamic occupancy models: An approach to account for imperfect detection with Atlas data. 6th North American Ornithological Conference. Washington, DC. August 2016.

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

The Waterbird Society, Chair of Conservation Committee

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

<u>Journal(s)</u>	<u>No. of manuscripts</u>
Journal of Wildlife Management	1
Biological Conservation	1
Environmental Management	1
Journal of Avian Biology	1
Journal of Ornithology	1
Ecosphere	1
US Geological Survey Report	1

Agency

No. of proposals

Other

Abstract reviewer, Student Conference on Conservation Science

c. Participation (workshops, symposia, etc.)

Name of workshop, etc.

Date

Place

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

Advanced Occupancy Modeling. Cornell University. March 2017.

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, chair

IACUC

B. College-level

Committee on Curriculum

Reviewer for Sussman Internship Applications

C. University-wide, including Research Foundation

This academic year culminated with my tenure decision, so it was a very stress-filled but ultimately fulfilling time. The decision came at the end of an active couple of semesters. In the Fall, I had to make some adjustments to my Wildlife Habitats and Populations class as enrollment went from a record high in 2015 to a record low of 27 in 2016. The current format was tested as the group sizes were each just large enough to be feasible, and I had to ask one undergraduate to enroll in the graduate section in order to have enough people to work on the 693-level project. Luckily the person rose to the challenge and the class was successful. The reviews from undergrads and grads were quite good so hopefully I am doing better at balancing the two parts of the split class. With some help from Brian Underwood, I taught my Bayesian statistics class. This was the first time I taught it two years in a row, by demand. It was great to have a diverse group of students in the class, including plant ecologists, fisheries ecologists, and wildlife biologists. The feedback I received was very positive. In the spring Melissa Fierke and I taught our core seminar again, where students got to work on their thesis proposals. We had some great discussions and it's always rewarding to see what our talented new graduate students are working on.

For my research program, it was a good year for publications with several of my own graduate students and students whose committee I served on getting papers accepted, as well as one of my lead-author papers. I had three M.S. students finish their theses in the Fall, so we were all very busy then. I was very proud of their work, as I am each year. Two of them are continuing on with their Ph.D.'s here at ESF. I had some successes and failures with grant writing this year, but ultimately I have been able to keep all my students supported on GRA's. I also co-authored a

successful small grant proposal with one of my students, among other cooperators, for a project I am very excited about. It will look at the newly re-colonized population of piping plovers on Lake Ontario. This is an endangered shorebird that I have spent a good part of my career on and I am looking forward to join a strong team of scientists and conservationists who are focused on restoring Great Lakes populations. In the summer, most of the students in my lab who study birds traveled with me to Washington, D.C. for the North American Ornithological Congress which occurs every four years. They all did an outstanding job with their posters and talks, and one of them earned a best student paper award.

I served the second half of my second term on the Committee on Curriculum. We reviewed many proposals for courses and curricula, and I brought a discussion on online instruction at ESF to the table, which ended up becoming a semester-long conversation culminating in a meeting with a group of faculty and administrators in May. I reviewed proposals for Sussman, as I have each year since coming to ESF. As the chair of GPAC I helped to introduce a new grad student self-evaluation form to EFB. With Melissa Fierke taking the lead, we made some new faculty-approved changes to the graduate handbook and will disseminate the new version in the Fall. I continued as a member of the IACUC committee and helped to review research proposals, including performing one designated member review. I also served another year as advisor to The Wildlife Society Student Chapter.

I remained active in The Waterbird Society, where I organized our society's new publication award that I helped to establish last year. I also served as a reviewer for student abstracts for the Student Conference on Conservation.

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)

Over the summer I will be visiting my grad students' research sites and participating in some collaborations related to structured decision making for predator management to benefit piping plovers. For the latter I will be doing some traveling around the northeast US. My first Ph.D. students are also expected to graduate this summer.

My pending proposals to the New York DEC about new cottontail and sparrow projects are still under consideration and I am working with the DEC to try and bring them to fruition for 2018. Over the Fall one of my current Ph.D. students will become a post-doc with me, working on best management practices for New England cottontails. I also anticipate that my lab will work together on piping plover-related structured decision making models and Great Lakes piping plover issues. Everyone in my lab has been accepted for presentations of one form or another at The Wildlife Society meeting in Albuquerque in the Fall and I am greatly looking forward to that trip.

For teaching, I have gotten my mark-recapture estimation class approved for the statistics minor. At least one undergrad has enrolled for the Fall for this 696 (grad level) class. I also expect several NYDEC biologists to sit in. So far it looks like my 493 class will be back to its normal enrollment levels. Hopefully we will have another great semester.

B. PROJECTED ACTIVITIES FOR NEXT YEAR

1. Summer 2017

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

Decision support tool for nest enclosure use for piping plovers

Piping plover habitat on Lake Ontario

c. University, professional society, and public service
Waterbird Society Committee activities.

2. Fall Semester 2017

a. Course(s) to be offered
EFB 493/693: Wildlife Habitat and Populations
EFB 696: Population Parameter Estimation in Program MARK

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. Koccek, M. Peach, M. Stantial
Decision support tool for nest enclosure use for piping plovers

c. University, Professional society, and public service
Curriculum Committee, SUNY-ESF
Advisor, student chapter of TWS
Advisory board U.S. Shorebird Conservation Plan
Chair of Conservation Committee, the Waterbird Society
Continue to serve as reviewer for various journals

3. Spring Semester 2018

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