

**ANNUAL REPORT: June 1, 2009 – May 31, 2010**  
**(i.e., Summer 2009, AY 2009-2010)**  
**DEPARTMENT OF ENVIRONMENTAL AND FOREST BIOLOGY**  
**SUNY-ESF**

**NAME: Jesse Brunner**

**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 496/796	Emerging diseases of fish & wildlife With Chris Whipps	3hrs	2/7students	1 lab
	EFB 796	Tools of the ecological detective With Jacqui Frair	3hrs	9 students	1 lab
	EFB 797	Ecological models	1hrs	1 students	
SPRING:	EFB 311	Principles of Evolution	3hrs	157 students	

**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>
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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>
EFB 202	Environmental monitoring & biodiversity (Statistics)	1 day, 2 groups
EFB Core course		1 discussion
Aquabreak seminar		1 lecture
Vassar College	Biology in the News	1 lecture

## **II. STUDENT ADVISING**

- A. Number of undergraduates for whom you are the student's official advisor \_20\_ and unofficial advisor \_2\_
- 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

Brooke Reeve, MS. Started August 2009.  
Melanie Carter, MS. Started August 2009.

### CO-MAJOR PROFESSOR

### MEMBER, STEERING COMMITTEE (other than those listed above)

Meredith Atwood, PhD, started fall 2009.  
Anna Stewart, PhD, started fall 2008?  
Will Hellenbrook, PhD, started fall 2008?  
David Williams, PhD, started fall 2006, finished June 2010, "Contact structure and scales of movement by white-tailed deer in central New York"  
Robin Holevinski, PhD, started summer 2007.  
Kevin Shoemaker, PhD, started fall 2007.

### CHAIRMAN OR READER ON THESIS EXAMS, ETC.

C.J. Hazel, PhD, started ????  
Joseph Vineis, MS, started fall 2008.

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

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

Amphibian disease surveillance in NYS, with many collaborators – 5%  
Modeling tick aggregation on mice, with Justin Calabrese, Center for Environmental Research, Leipzig, Germany – 5%

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

CDC UO1, Climate Change and Vector-Borne Disease: Predicting the Spread of Blacklegged Ticks and Lyme disease, \$835,022. PI: Jesse Brunner; coPIs: Richard S. Ostfeld (CIES) and Justin Calabrese (UFZ, Leipzig, Germany). Three years.

## **VI. PROFESSIONAL DEVELOPMENT**

2. Professional Society Membership

Ecological Society of America  
Entomological Society of America  
American Society of Naturalists  
Wildlife Disease Association

3. Other Professional Activities

a. Editorial activity

Journal (s)  
Herpetological Review

Responsibility  
Assoc. Editor for Amphibian disease

Other (books, symposia, etc.)

b. Reviewer

Journal(s)  
Diseases of Aquatic Organisms  
Animal Conservation  
The American Naturalist  
Journal of Wildlife Diseases  
Ecology

No. of manuscripts  
1  
1  
1  
1  
1

Agency  
NSF

No. of proposals  
2

Other