1. INSTRUCTIONAL ACTIVITIES

1. Regular Course Offerings

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Title</th>
<th>Credit</th>
<th>No. Students</th>
<th>No. of Lab.</th>
</tr>
</thead>
<tbody>
<tr>
<td>SUMMER:</td>
<td>EFB 388 Adirondack Fish Ecology</td>
<td>3</td>
<td>10</td>
<td></td>
</tr>
<tr>
<td>FALL:</td>
<td>EFB 681 Aquatic Restoration Ecology</td>
<td>2</td>
<td>13</td>
<td></td>
</tr>
<tr>
<td></td>
<td>EFB 488 Fisheries Practicum (with T. Evans)</td>
<td>1</td>
<td>11</td>
<td></td>
</tr>
<tr>
<td>SPRING:</td>
<td>EFB 496 Senior Synthesis AFS</td>
<td>2</td>
<td>16</td>
<td></td>
</tr>
</tbody>
</table>

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](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.

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

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Title</th>
<th>Credit</th>
<th>No. Students</th>
</tr>
</thead>
<tbody>
<tr>
<td>SUMMER:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FALL:</td>
<td>EFB 298 Research Internship</td>
<td>2</td>
<td>1</td>
</tr>
<tr>
<td>EFB 420</td>
<td>Professional Internship</td>
<td>3</td>
<td>1</td>
</tr>
<tr>
<td>EFB 498</td>
<td>Independent Research</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>EFB 899</td>
<td>Master’s Research</td>
<td>6</td>
<td>14</td>
</tr>
<tr>
<td>EFB 999</td>
<td>Doctoral Research</td>
<td>1</td>
<td>4</td>
</tr>
<tr>
<td>ENS 498</td>
<td>Research Problems</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>SPRING:</td>
<td>EFB 298 Research Internship</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>EFB 420</td>
<td>Internship EFB</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>EFB 498</td>
<td>Research Problems</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>EFB 899</td>
<td>Master’s Research</td>
<td>3</td>
<td>10</td>
</tr>
<tr>
<td>EFB 999</td>
<td>Doctoral Research</td>
<td>1</td>
<td>7</td>
</tr>
</tbody>
</table>

3. Continuing Education and Extension (short courses, workshops, etc.)
4. **Guest Lecture Activities**

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Title</th>
<th>No. of Lectures</th>
</tr>
</thead>
<tbody>
<tr>
<td>EFB 796</td>
<td>Graduate Core Course</td>
<td>1</td>
</tr>
<tr>
<td>EFB 496</td>
<td>Wildlife Field Techniques</td>
<td>1 day field tour, sampling experience, presentation</td>
</tr>
</tbody>
</table>

II. **STUDENT ADVISING**

A. Number of undergraduates for whom you are the student’s official advisor ___19___ and unofficial advisor ____

B. Graduate Students: (list 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**

1. Geof Eckerlin, PhD (began Jan 2009), *Viral haemorrhagic Septicaemia Virus Type: Evaluation of fish hosts as a viral reservoir, a community perspective.*

2. Mark Leopold, MPS (Graduated December 2014) *Possible causes of skewed sex ratios of Northern Pike (Esox lucius L.) on the St. Lawrence River*

3. Ben Amos, MPS (Graduated May 2015) *Spatial scale and natal influence on spawning site fidelity in Northern Pike (Esox lucius L.)*

4. Scott Schluter, MPS (Graduated December 2014) *Restoration of Lake Sturgeon in the Oswegatchie River.*

5. Andrew Miano (began May 2013) *Influence of invasive round goby egg predation on broadcast spawning fish species in the Great Lakes.*


**CO-MAJOR PROFESSOR**

1. Alison Halpern, PhD (EBT, Co-advised with Dr. Donald Leopold) 5/00, *Aquatic nuisance species: ecology and control of the invasive plant Hydrocharis Morsus-ranae in Eastern Lake Ontario and St. Lawrence River wetlands.*

2. Stewart LaPan, MS (Co-advised with Dr. James Gibbs; Graduated May 2015), *Avifauna and Herpetofauna Response to Coastal Wetland Enhancement in the Upper St. Lawrence River.*

3. Kelly Huffman, MS (Co-advised with Dr. Chris Whipps) started fall 2013, *Environmental determinants of gender ratio in Northern Pike (Esox lucius L.)*

4. Matt Gunderson, MS (Co-advised with Dr. Kevin Kapuscinski; Graduated May 2015, *Habitat-Assemblage Relations of Aquatic Macrophytes in the Upper Niagara River.*

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

1. Kapil Mandraker, EFB, PhD (Stewart)
2. Errol Sheid, EFB, MS (McGrath)
3. Ceili Bachman, EFB, MS (Mitchell and Schulz)
4. Matt Regan, EFB, MS (Leopold)
III. RESEARCH COMPLETED OR UNDERWAY

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

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)


GA’s supported – Kelly Huffman; Ben Amos (summer)


GA’s supported – Stewart LaPan; Ceili Bachman; Matt Regan; Alex Looi


GA’s supported – Andrew Miano


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


Influences of predatory fish on upstream migrating American Eel (Anguilla rostrata) and passage at the Moses-Saunders Dam US Fish and Wildlife Service, National Fish and Wildlife Foundation Special Project. $292,468.

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

Fate and effects of neonicotinoid pesticides in Lake Ontario and St. Lawrence River wetlands (with Dr. Gordon Paterson). NY SeaGrant.
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


B. Non-refereed Publications

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


Farrell, J. M. 2014. Getting fisheries off to a good start: Why there is a need to address early life processes in applied fisheries management. 38th Annual Larval Fish Conference (Plenary Presentation), American Fisheries Society 144th Annual Meeting, Quebec City, Quebec, Canada.


Foubert, A., M. Mingelbier, J. M. Farrell, and F. Lecomte. 2014. Estimating Connectivity Between Spawning and Nursery Habitats of Northern Pike to Identify the Most Rewarding Habitat to Protect (St. Lawrence River, Canada), American Fisheries Society 144th Annual Meeting, Quebec City, Quebec, Canada.


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


Thousand Islands Land Trust, Ichthyologist for a Day – led children ages 5-12 and adults through a series of modules on fish and river ecology on the St. Lawrence River (40 participants)

EFB River Day – Interpretive tour and presentation to the EFB faculty and staff on the Thousand Islands Biological Station research program and facilities

Clayton Yacht Club – visit and tour on Thousand Islands Biological Station programs and St. Lawrence River research for club members (15 participants)

Region 5 Federal Conservation Partnership Meeting - Poster Session and Thousand Islands Biological Station Tour (40 participants)

V. PUBLIC SERVICE

A. Funded Service (include consulting activities)

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

Led poster session and informational session for Region 5 Federal Agencies as part of their annual meeting.

2. Industrial and Commercial Groups, etc.

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

Thousand Islands Land Trust Zenda Farms Picnic, Provided live fish and poster displays as part of community event (June 2014; ~250 attendees)

Thousand Islands National Park | Parc national des Mille-Îles, Information and onsite meetings and field visits regarding wetlands restoration.


VI. PROFESSIONAL DEVELOPMENT

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

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

American Fisheries Society (AFS), NY Chapter AFS, International Association of Great Lakes Researchers

2. Professional Society Membership

American Fisheries Society (AFS), NY Chapter AFS, International Association of Great Lakes Researchers,
3. Other Professional Activities

a. Editorial activity

<table>
<thead>
<tr>
<th>Journal (s)</th>
<th>Responsibility</th>
</tr>
</thead>
</table>

b. Reviewer

<table>
<thead>
<tr>
<th>Journal(s)</th>
<th>No. of manuscripts</th>
</tr>
</thead>
<tbody>
<tr>
<td>CYBIUM – International Journal of Ichthyology</td>
<td>1</td>
</tr>
<tr>
<td>Transactions of the American Fisheries Society</td>
<td>1</td>
</tr>
</tbody>
</table>

Agency

| Agency                                           | No. of proposals |

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)

Quebec City, QC Canada – gave invited presentation

II. ADMINISTRATIVE AND SERVICE RESPONSIBILITIES (include committee participation)

A. Department-level

Served on Promotion and Tenure Committee

Mentored an Assistant Professor in EFB

Hosted EFB River Day retreat event

Advised an undergraduate student for an EFB Honors Thesis Project.

Served as supervisor for 25 employees working at TIBS over the summer including 5 staff, 9 undergraduates, 7 graduate students.

B. College-level

Assisted ESF Development Office with numerous visits for supporters of ESF

Leadership for development at TIBS

Hosted Alumni event at TIBS

C. University-wide, including Research Foundation
VIII. SUMMARY OF SIGNIFICANT ACTIVITIES AND ACCOMPLISHMENTS DURING THIS REPORTING PERIOD, ESPECIALLY THOSE MOST NOTEWORTHY AND RELATIVE TO THE COLLEGE’S AND DEPARTMENT’S MISSION.

One paragraph on each of the following (i.e., three paragraphs total) would be most helpful: this past year, what have you done for our students, department/college, and self professionally? NOTE: The information in this section (along with the supporting specific information elsewhere in this report) should be your strongest case for being considered for a discretionary raise (when available), which I’ll continue to award based on your contributions to the department and college this reporting period.

For the students:

For undergraduates I taught or co-taught three classes, served as an advisor and helped our Aquatic and Fisheries Science seniors prepare for the professional world with many receiving jobs after graduation with help from this process. Several undergrads were employed at TIBS and in my lab during the summer and academic year. I helped Tom Evans offer the Fisheries Practicum to ensure our graduating class had the opportunity to take this class during Dr. Limburg’s sabbatical. I finished four graduate students including two MPS and two co-advised MS students. Additionally several graduates received honors for oral and poster presentations at professional conferences.

For the department/college:

I hosted the EFB department at TIBS with a program where students gave posters and demonstrations of their research and gave tours to our faculty and staff. I served another year on the promotion and tenure committee performing reviews and helping to evaluate faculty performance. I continued to advance the Thousand Islands Biological Station with completion of several projects while working with the ESF Physical Plant and ESF Development Office including Cean Building interior completion, well water distribution, and laboratory plumbing upgrades.

For self professionally:

In May 2015, I received notification of my promotion to professor by the ESF president following review of my dossier and credentials in October. I gave several invited presentations at professional conferences including as a plenary speaker for the International Larval Fish Conference in Quebec City. I co-authored or authored 11 journal publications this period and completed guest editorial work with publication of a special issue in the Journal of Great Lakes Research. I started some new collaborations with researchers at Carleton University in Ottawa, Canada, the University of Laval in Quebec City, and the University of Victoria, BC.

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)

B. PROJECTED ACTIVITIES FOR NEXT YEAR

1. Summer 2015
   a. Course(s) to be offered

       EFB 388
b. Proposed research activity
Numerous projects at TIBS and the Great Lakes
c. University, professional society, and public service
Cean Aquatic Researcher Building will open June 8, 2015. Host ESF Alumni event at TIBS for building dedication.

2. Fall Semester 2015
a. Course(s) to be offered
EFB 681
b. Proposed research activity
Numerous extramurally funded research projects
c. University, Professional society, and public service
TIBS facility enhancements

3. Spring Semester 2016
a. Course(s) to be offered
EFB 492
b. Proposed research activity
Numerous extramurally funded research projects
c. University, professional society, and public service
TIBS, 2016 Muskies Inc. Conference