

## Erin Irene Larson

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- CONTACT INFORMATION**     *Mailing Address:*  
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- EDUCATION**     **Cornell University**, Ithaca, NY  
Ph.D., Ecology and Evolutionary Biology     May 2019 (scheduled)  
**Dartmouth College**, Hanover, NH  
B.A., *High Honors*, Biology (Ecology focus)     June 2011
- APPOINTMENTS**     **UAA Alaska Center for Conservation Science**, *Visiting Scholar*, Anchorage, AK     2018 - present  
**Cornell University**, *PhD student*, Ithaca, NY     2013 - present  
**Cornell Center for Teaching Innovation**, *Graduate Research and Teaching Fellow*     2017-2018  
**Idaho Fish and Game**, *Research Technician*, Nampa, ID     2011 - 2013  
**Trout Unlimited**, *GIS Intern*, Boise, ID     2012  
**Dartmouth College**, *Research Assistant*, Hanover, NH     2010-2011
- PUBLICATIONS (PUBLISHED OR IN PRESS)**     **Larson, E.I.**, N.L. Poff, C.L. Atkinson, A.S. Flecker. 2018. Extreme flooding decreases stream consumer autochthony by increasing detrital resource availability. *Freshwater Biology* 63: 1483-1497. DOI: 10.1111/fwb.13177
- Larson, E.I.**. 2018. Teaching about fatherless snakes in a prison classroom. *CourseSource*. <https://doi.org/10.24918/cs.2018.3>
- Poff, N. L., **E.I. Larson**, P.E. Salerno, S.G. Morton, B.C. Kondratieff, A.S. Flecker, K.R. Zamudio, W.C. Funk. 2018. Extreme streams: Species persistence mechanisms and evolutionary change in montane stream insect populations across a flood disturbance gradient. *Ecology Letters* 21: 525-535. DOI: 10.1111/ele.12918
- Auerbach, D., B. Buchanan, A. Alexiades, E. Anderson, A. Encalada, **E.I. Larson**, R. McManamay, G. Poe, M.T. Walter, A. Flecker. 2016. Towards rapid, rigorous and reproducible ecohydrologic classification of data-scarce regions. *Ecohydrology* 9:1235-1247. DOI: 10.1002/eco.1721
- Larson, E.I.**, K.A. Meyer, B. High. 2014. Incidence of spinal injuries in migratory Yellowstone cutthroat trout captured at electric and waterfall-velocity weirs. *Fisheries Management and Ecology* 21:509-514. DOI: 10.1111/fme.12100
- Meyer, K.A., **E.I. Larson**, C.L. Sullivan, B. High. 2014. Trends in the distribution and abundance of Yellowstone cutthroat trout and nonnative trout in the upper Snake River basin of Idaho. *Journal of Fish and Wildlife Management* 5:227-242. DOI: 10.3996/092013-JFWM-062
- PUBLICATIONS\* (IN REVIEW OR IN PREP)**     **Larson, E.I.** and M.Y. Wong. Using structured decision making to explore complex environmental issues. *In review at CourseSource*.
- \* Poisot, T., R. Labrie, **E.I. Larson**, A. Rahlin. Data-based, synthesis-driven: setting the agenda for computational ecology. bioRxiv 150128. *In review at Ecography*.
- \* **Larson, E.I.** and K.M. Williams. Teaching written argumentation in the ecological sciences: a case study. *In prep for Journal of Research in Science Teaching*.
- \* **Larson, E.I.**, N.L. Poff, W.C. Funk, B.C. Kondratieff, S.G. Morton, R.A. Harrington, A.S. Flecker. Species do matter: A unifying diversity-disturbance framework for functional and taxonomic responses along disturbance gradients. *In prep for Ecology Letters*.

- \* Abernethy, E., I. Arismendi, A. Boegehold, C. Colon-Gaud, M. Cover, **E.I. Larson**, E. Moody, B. Penaluna, A. J. Shogren, A. Webster, M. Woller-Skar. Progress towards diversity and inclusivity in the Society for Freshwater Science and opportunities for improvement. *In prep* for *Freshwater Science*.

\* *Manuscripts available upon request*

GRANTS AND AWARDS

**Fellowships**

*Total Fellowship Support: \$178,472*

- National Science Foundation Graduate Research Fellowship (\$138,000), 2014-19
- Andrew and Margaret Paul Graduate Fellow (\$12,052), 2015
- Cornell Fellowship (\$28,420), 2013-14

**Research & Travel Grants**

*Total Grant Funding: \$23,930*

- 2015-2018: Cornell University Conference Travel Grant (4 awards, total \$1530)
- 2017: Sigma Xi National Grants-In-Aid-of-Research (\$1000)
- 2016-2017: Sigma Xi Cornell Chapter Research Grant (2 awards, total \$1200)
- 2015-2017: Andrew Mellon Grant (2 awards, total \$1500)
- 2016: Orenstein Fund Grant (\$1000)
- 2016: Atkinson Center for a Sustainable Future Sustainable Biodiversity Fund (\$7000)
- 2015-2016: Einaudi Center International Travel Grant (2 awards, total \$1700)
- 2015: Cornell University Graduate Research Travel Grant (\$1400)
- 2015: Cornell University Paul Feeny Fund for Graduate Research (\$1200)
- 2014: Kieckhefer Adirondack Fellowship (\$5000)
- 2010 Paul K. Richter and Evalyn E. Cook Memorial Fund (\$1000)
- 2010: Dartmouth College Biology Department Honors Research Grant (\$400)

**Awards**

- Robert H. Whittaker Award, Cornell Department of Ecology and Evolutionary Biology, 2017
- Willard W. Eggleston Memorial Botany Prize, 2011
- Chris Reed Poster Competition, Dartmouth College: Second Place, 2011

TECHNICAL REPORTS

Lamansky, J.A. Jr., M.J. Belnap, D. Daw, **E.I. Larson**. 2014. Annual Report: 14-09 - Project 5 - White Sturgeon Research. Idaho Department of Fish and Game.

Lamansky, J.A. Jr., M.J. Belnap, **E.I. Larson**, D. Daw. 2014. Annual Report: 14-04 - Project 5 - White Sturgeon Research. Idaho Department of Fish and Game.

Meyer, K.A., **E.I. Larson**, B. High, C.L. Sullivan, D.J. Schill, E.R.J.M. Mamer, C.C. Kozfkay, M.R. Campbell, E.O. Garton. 2013. Annual Report: 13-18 - Status Updates for Yellowstone Cutthroat Trout, Redband Trout, and Bull Trout in Idaho. Idaho Department of Fish and Game.

**Larson, E.I.**, K.A. Meyer, B. High, M.R. Campbell, C.L. Sullivan, D.J. Schill. 2013. Annual Report: 13-03 - Wild Trout Evaluations: Electric Weir Fish Injury, Cutthroat Trout Stream Purification and Pelican Predation. Idaho Department of Fish and Game.

TEACHING EXPERIENCE

**Cornell University**, Ithaca, NY

- Instructor* for BioEE 1610 WIM: Ecology & the Environment Writing in the Majors 2018
- Co-Instructor* for NTRES 2010: Environmental Conservation, Auburn State Prison 2018
- Teaching Assistant & Guest Lecturer* for BioEE 4560: Stream Ecology 2017
- Instructor* for BioG 1130: Essentials of Biology, Cayuga Correctional Facility 2016
- Teaching Assistant & Guest Lecturer* for BioEE 4560: Stream Ecology 2015
- Teaching Assistant* for BioEE 1610: Ecology & the Environment 2014

**Dartmouth College**, Hanover, NH

- Lab Teaching Assistant* for Biology 16: Ecology 2010

**International Humanitarian Foundation**, Otavalo, Ecuador

- Math and English Teacher* 2008

TEACHING  
DEVELOPMENT

**Coursework**

*Cornell University, Ithaca, NY*

ALS 6016: Teaching as Research in Higher Education  
WRIT 7101: Teacher Training in Writing in the Majors Courses  
ALS 6015: The Practice of Teaching in Higher Education  
CIRTL: Creating Assessments for the STEM Classroom  
CIRTL: Basics of Online Learning and Teaching  
CIRTL: Advancing Learning Through Evidence-based STEM Teaching  
Intergroup Dialogue Project

*Dartmouth College, Hanover, NH*

EDUC 064: Development in the Exceptional Child  
EDUC 029: Policy and Politics in American Education

**Workshops**

*Cornell University, Ithaca, NY*

Teaching Across Abilities, Center for Teaching Innovation (CTI)  
The Practice of Inclusive Teaching in STEM, Center for the Integration of Research, Teaching and Learning  
Grading Effectively, CTI  
Listening and Communication Skills for Teaching, CTI  
Strategies for Teaching Labs, CTI  
Developing Rubrics for Efficient and Consistent Grading, CTI

MENTORING  
EXPERIENCE

**Cornell University, Ithaca, NY**

*Mentor for SFS Instars program* 2018-present

- Helped mentees network at the annual meeting of the Society for Freshwater Science

*Mentor and Supervisor for undergraduate field and laboratory technicians* 2014-present

- 9 undergraduate or post-graduate students assisted with the field & lab component of my dissertation research
- Supervised independent study projects and honors theses for 5 students at Cornell University (Nick Hudson - Class of 2020, Alex Stotter - Class of 2018, Corey Ng - Class of 2017, Darrik Moberg - Class of 2017, Keren Bittan - Class of 2014)

*Mentor for ESA SEEDS program* 2014-2017

- Mentored one SEEDS student (Carla López Lloreda - University of Puerto Rico) through an independent research project
- Helped mentees network at the annual meeting of the Ecological Society of America

*Mentor & Organizing Committee for Cornell EnvironMentors* 2014-2017

- Mentored 3 undergraduates pursuing environmental science degrees at Cornell University
- Organized mentor-mentee activities, matched mentors and mentees

SELECTED  
CONFERENCE  
PRESENTATIONS

**Papers**

Larson, E.I. Teaching Written Argumentation in the Ecological Sciences: A Case Study. 2018. Connecting Teaching and Research Conference, Ithaca, NY.

Larson, E.I., A.C. Encalada, N.L. Poff and A.S. Flecker. 2018. Are mountain passes more dangerous in the tropics? Interannual community stability along elevation and disturbance gradients in temperate and tropical streams. Ecological Society of America Annual Meeting, New Orleans, LA.

Larson, E.I., A.C. Encalada, N.L. Poff, C.L. Atkinson and A.S. Flecker. 2018. Predicting species persistence across temporal and spatial scales of disturbance: interannual variability in tropical montane stream insect communities. Society for Freshwater Science Annual Meeting, Detroit, MI.

Larson, E.I., N.L. Poff, S.G. Morton, R.A. Harrington, B.C. Kondratieff and A.S. Flecker. 2017.

Taxonomic and functional turnover following extreme flood disturbance in stream insect communities. Ecological Society of America Annual Meeting, Portland, OR.

Larson, E.I., K.A. Meyer, B. High, M.R. Campbell, C.L. Sullivan, F.S. Elle. 2013. Attempting to purify a Yellowstone cutthroat trout stream by removing rainbow trout and hybrids via electrofishing. Western Division of the American Fisheries Society Annual Meeting, Boise, ID.

Larson, E.I. and B.W. Taylor. 2011. Nutrient limitation of *Didymosphenia geminata* in Rocky Mountain streams. North American Benthological Society Annual Meeting, Providence, RI.

**Posters** (\* indicates undergraduate co-author)

Larson, E.I. and M.Y. Wong. 2017. Flipping the Prison Classroom: A Case Study from Teaching Introductory Biology in a Correctional Facility. Society for the Advancement of Biology Education Research, Minneapolis, MN.

Larson, E.I., N.L. Poff, C.L. Atkinson and A.S. Flecker. 2016. Extreme, unseasonal disturbance impacts consumer resource use. Gordon Research Conference and Seminar: Unifying Ecology Across Scales, Biddeford, ME.

Larson, E.I., N.L. Poff, A.C. Encalada and A.S. Flecker. 2015. Disentangling dispersal limitation and environmental filtering effects on trait distributions in headwater streams. Society for Freshwater Science Annual Meeting, Milwaukee, WI.

\*López-Lloreda, C.D., A.S. Flecker, E.I. Larson, K.L. MacNeill, C.L. Atkinson, N.L. Poff, S.A. Thomas. Variation in animal-mediated nutrient cycling across a flood-disturbance gradient in Colorado mountain streams. Ecological Society of America Annual Meeting, Baltimore, MD.

Larson, E.I. and B.W. Taylor. Nutrient limitation of *Didymosphenia geminata* in Rocky Mountain streams. Wetterhahn Science Symposium, Dartmouth College, Hanover, NH.

INVITED  
SEMINARS

- 2016 Tropical Biology Symposium, Cornell University.
- 2011 Biology Department Seminar, Dartmouth College

OTHER SKILLS

Proficient in Spanish, certified SCUBA diver (NAUI Advanced Open Water and Rescue Diver), experienced working in remote field conditions, field research experience in Colorado, Idaho, Connecticut, New York, Ecuador, Costa Rica, Cayman Islands

MEMBERSHIPS  
AND SERVICE

**Society Memberships**

- Cornell Student Subunit of the American Fisheries Society (2014-present)
- Ecological Society of America (2013–present)
- Association for the Sciences of Limnology and Oceanography (2018-present)
- Sigma Xi Honors Society (2011-present)
- Society for Freshwater Science (2010-present)

**Reviewer**

- Manuscript reviews: *Ecology*; *Aquatic Sciences*; *Agriculture, Ecosystems and Environment*; *Ecohydrology*; *CourseSource*
- Grant reviews: Atkinson Center for a Sustainable Future Sustainable Biodiversity Fund, Society for Freshwater Science Instars Travel Grants

**Committee Work**

- *Podcast Co-host* Public Information and Publicity Committee, Society for Freshwater Science (2016-present)
- *Committee Co-chair* Departmental Equity and Safety Committee (2015-2018)
- *Organizing Committee* Cornell Diversity Preview Weekend (2017-2018)
- *Department Representative* Cornell Graduate and Professional Student Mental Health Committee (2016-2017)
- *Officer* Cornell Sigma Xi Chapter (2016-2017)
- *Organizing Committee* Ecology and Evolutionary Biology Department Symposium (2014)

REFERENCES

**Dr. Alexander S. Flecker** (e-mail: [asf3@cornell.edu](mailto:asf3@cornell.edu); phone: +1-607-254-4263

- Professor, Department of Ecology and Evolutionary Biology, Cornell University  
Corson Hall, Ithaca, NY 14853

★ *Dr. Flecker is my PhD advisor.*

**Dr. N. LeRoy Poff** (e-mail: [N.Poff@colostate.edu](mailto:N.Poff@colostate.edu); phone: +1-970-491-2079

- Professor, Department of Biology, Colorado State University  
Biology 338, Colorado State University, Fort Collins, CO 80523

★ *Dr. Poff is a member of my doctoral committee.*

**Dr. Kimberly Williams** (e-mail: [kw299@cornell.edu](mailto:kw299@cornell.edu); phone: +1-315-530-3612

- Teaching Support Specialist, Center for Integration of Research, Teaching and Learning, Cornell University

325 Caldwell Hall, Ithaca, NY 14853

★ *Dr. Williams was my advisor for my Graduate Teaching and Research Fellowship.*

Updated February 18, 2019