

## TIMOTHY D. LAMBERT

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### EDUCATION

Cornell University	Ph.D. Ecology & Evolutionary Biology	(in progress)
University of California, Santa Cruz	M.S. Earth Science – isotope ecology	2012
Stanford University	B.S. Earth Systems – biosphere track	2009
University of Auckland	Frontiers Abroad Earth Systems Program	2008

### RESEARCH INTERESTS

Freshwater ecology, theoretical ecology, movement & migration, stable isotopes, conservation biology.

### EMPLOYMENT

08/2016 – present	<b>Graduate Student</b> , Ecology and Evolutionary Biology, Cornell University. (Committee: Stephen Ellner, Alex Flecker, David Lodge)
03/2014 – 06/2016	<b>Visiting Aquatic Ecologist</b> , Illinois Natural History Survey, Prairie Research Institute, University of Illinois at Urbana-Champaign. (Supervisors: Yong Cao, Leon Hinz)
06/2013 – 02/2014	<b>High Mountain Lakes Fisheries Technician</b> , Idaho Department of Fish & Game. (Supervisors: Joe DuPont, Robert Hand)
01/2013 – 06/2013	<b>Stable Isotope Lab Assistant Specialist</b> , University of California, Santa Cruz. (Supervisor: Dyke Andreasen)
09/2009 – 12/2012	<b>Graduate Research &amp; Teaching Assistant</b> , Department of Earth and Planetary Sciences, University of California, Santa Cruz. (Advisors: Paul Koch, Adina Paytan)
07/2007 – 09/2007	<b>Undergraduate Research Fellow</b> , Stanford Department of Earth Sciences. (Advisor: Adina Paytan)
07/2006 – 08/2006	<b>Field Research Assistant</b> , Stanford Biological Field Studies Program, Chamela and Los Tuxtlas, Mexico. (Advisors: Rodolfo Dirzo, Deborah Gordon)
06/2005 – 09/2005	<b>Math teaching assistant</b> , textbook editor, and problem designer, The Art of Problem Solving, Alpine, CA. (Supervisor: Richard Rusczyk)

### FELLOWSHIP SUPPORT

2016	NSF Graduate Research Fellowship (3 years)
2016	Presidential Life Science Fellowship, Cornell University (1 year)
2016	Cornell Fellowship (1 year)

### GRANTS AND AWARDS

2016	Sustainable Biodiversity Fund, Atkinson Center for a Sustainable Future (\$6922)
2010	Hammett Award for research on climate change and water resources, UC Santa Cruz (\$4000)
2009	Dean's Award for Undergraduate Academic Achievement, Stanford Earth Sciences

12/2016

- 2007 Top 250, Putnam Competition (mathematics)  
 2005, 2007 Highbridge Book Award for Mathematical Problem Solving (Stanford University)

### JOURNAL ARTICLES

- 2014 Moore, J., **T. Lambert**, W. Heady, S. Honig, A. Osterback, C. Phillis, A. Quiros, N. Retford, and D. Herbst. Anthropogenic land-use signals propagate through stream food webs in a California, USA, watershed. *Limnologica*.  
 2013 Crook, E.D., H. Cooper, D.C. Potts, **T. Lambert**, and A. Paytan. Food availability and pCO<sub>2</sub> impacts on planulation, juvenile survival, and calcification of the azooxanthellate scleractinian coral, *Balanophyllia elegans*. *Biogeosciences*.

### JOURNAL ARTICLES IN REVIEW

- (In revision) **Lambert, T.**, L. Hinz, and Y. Cao. Prioritizing urban streams for conservation using a house-neighborhood framework: a case study from Chicago, Illinois. *Freshwater Science*.  
 (In review) Cao, Y. and **T. Lambert**. Using Maxent models to estimate local species richness and occupancy: an accuracy evaluation based on realistic simulation. *Ecography*.

### REPORTS AND THESES

- 2016 **Lambert, T.D.**, L. Hinz, and Y. Cao. Identifying Regional Priority Areas for Focusing Conservation Actions in Streams and Grasslands. Illinois Natural History Survey Technical Report.  
 2014 Prairie Research Institute (22 contributors including **T. Lambert**). 2014. Natural and Cultural Resources Master Plan for the Forest Preserves of Cook County. University of Illinois at Urbana-Champaign, Champaign, IL.  
 2014 **Lambert, T.D.**, L. Hinz, and Y. Cao. Technical Report in Support of the Natural and Cultural Resources Master Plan: Aquatic Natural Resources. Prepared for the Forest Preserves of Cook County. INHS 2014 (49).  
 2014 **Lambert, T.D.**, R. Hand, and J. Dupont. Mountain Lakes Monitoring and Management in North Central Idaho: 2013 Annual Report. Idaho Department of Fish & Game.  
 2012 **Lambert, T.D.** Towards an understanding of phosphate  $\delta^{18}\text{O}$  in the bones and scales of small pelagic fish. M.S. thesis, University of California, Santa Cruz.

### PRESENTATIONS

- 2016 Lambert, T.D., L. Hinz, and Y. Cao. *Stream and grassland conservation in the Upper Midwest: local priorities within a regional context*. 41<sup>st</sup> Annual Ecology & Evolutionary Biology Graduate Student Symposium, Cornell University (oral)  
 2016 Flecker, A., C. Gomes, E. Anderson, E. Larson, **T. Lambert**, G. Poe, D. Rosero, S. Steinschneider, P. Reed, T. Walter, X. Wu. *Impacts of hydropower proliferation on ecosystem services in the Andean Amazon: a computational sustainability framework*. Atkinson Center Trustee Council Annual Meeting Poster Pitches, Cornell University (poster)  
 2016 **Lambert, T.D.**, L. Hinz, and Y. Cao. *Modeling distributions of freshwater mussels and their hosts across the Upper Midwest to achieve a regional conservation*

- perspective*. Midwest Fish and Wildlife Conference, Grand Rapids, MI (poster)
- 2015 **Lambert, T.D.**, L. Hinz, and Y. Cao. *Prioritizing streams for protection and restoration using a house-neighborhood framework*. Society for Freshwater Science Annual Meeting, Milwaukee, WI (oral)
- 2015 **Lambert, T.D.**, L. Hinz, and Y. Cao. *Prioritizing streams for protection and restoration using a house-neighborhood framework*. Science in Support of Management Brown Bag Seminar Series, Illinois Department of Natural Resources, Springfield, IL (oral)
- 2014 **Lambert, T.D.**, R. Hand, and J. DuPont. *Monitoring the effects of historic fish stocking on amphibian populations in high mountain lakes of the Clearwater Region, Idaho*. Idaho Chapter American Fisheries Society Annual Meeting, Boise, ID (oral)
- 2012 **Lambert, T.D.**, B. Javor, E. Dorval, S. Silva, and A. Paytan.  $\delta^{18}O$  of apatite phosphate in Pacific sardine (*Sardinops sagax*) as an indicator of growth conditions. IsoPhos 2012 Meeting, Ascona, Switzerland (poster)
- 2011 **Lambert, T.D.**, A. Paytan.  $\delta^{18}O$  of apatite phosphate in small pelagic fish: insights from wild-caught and tank-grown Pacific sardine. American Geophysical Union Fall Meeting, San Francisco, CA (poster)
- 2011 **Lambert, T.D.**, P.L. Koch, A. Paytan. *Diets of invaders: the isotopic niches of introduced brook and cutthroat trout in headwater lakes of the Beartooth Mountains*. Graduate Student Research Symposium, University of California at Santa Cruz (poster)
- 2010 Heady, W., S. Honig, **T.D. Lambert**, A-M. Osterback, C. Phillis, A. Quiros, J.W. Moore, P.L. Koch. *Changes in stream food webs along an anthropogenic gradient*. Graduate Student Research Symposium, University of California at Santa Cruz (poster)

## WORKSHOPS AND TRAINING

- 2015 Alternative Hypotheses and AIC Model Selection Workshop. Springfield, Illinois.
- 2015 Spatial Statistical Stream Network Models Short Course. US Forest Service.
- 2014 Water Temperature Impacts Under Climate Change Workshop. Boulder, Colorado.

## PROFESSIONAL AFFILIATIONS

American Fisheries Society  
 American Society of Naturalists  
 Ecological Society of America  
 Sigma Xi Scientific Research Society (associate member)  
 Society for Freshwater Science

## JOURNALS REFEREED

Limnology and Oceanography: Methods  
 Journal for Fish Biology