

Brendon M. H. Larson: Curriculum Vitae (June 1 2018)

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and

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A. Education, Employment and Awards

1. Education

- 2015 Not-for-Profit Governance Essentials Program, Rotman School of Management, **University of Toronto, Ontario**
- 2004 **Ph.D.** Interdisciplinary Ph.D. Program, Science and Society, **University of California at Santa Barbara (UCSB)**
- 1997 **M.Sc.** Department of Botany, **University of Toronto, Ontario**
- 1994 **B.Sc.** Honors Biological Sciences, with Distinction, **University of Guelph, Ontario**

2. Academic employment history

- 2017- Full Professor, School of Environment, Resources and Sustainability, U. Waterloo
- 2011-17 Associate Professor (with tenure), School of Environment, Resources and Sustainability (name change in 2016), U. Waterloo
- 2006-11 Assistant Professor, Department of Environment and Resource Studies, U. Waterloo

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- 2005-06 Interdisciplinary Postdoctoral Fellow, NSF Integrative Graduate Education and Research Traineeship (IGERT) program in Biological Invasions, Center for Population Biology, University of California at Davis
- 2001, 2003 Instructor, Environmental Studies Program, UCSB
- 2002-03 Teaching assistant, Department of Ecology, Evolution and Marine Biology, UCSB (two courses)
- 2001-03 Teaching assistant, Environmental Studies Program, UCSB (four courses)
- Research assistant, Templeton Research Lectures Series, UCSB
- 1995-98 Teaching assistant, Departments of Botany and Zoology, U. Toronto (three courses)

3. Awards and honors

- 2016 Outstanding Performance Award, Faculty of Environment, U. Waterloo (internal award for outstanding teaching and scholarship)
- 2014 Visiting fellow, Centre of Excellence for Invasion Biology (CIB), Stellenbosch University, South Africa (hosted by D.M. Richardson)
- 2011 Early Researcher Award, Ontario Ministry of Research and Innovation
- Oravec Research Award in Environmental Communication (National Communication Association, U.S.) for *Metaphors for Environmental Sustainability*
- 2009 Invited visiting scholar, EU Erasmus Mundus Master's Programme in Applied Ethics, Centre for Applied Ethics, Linköping University, Sweden and Ethics Institute, Utrecht University, The Netherlands (hosted by A. Nordgren)
- 1999-2004 Chancellor's Fellowship, UCSB, "the most prestigious award for graduate study at UCSB" (\$14,000 stipend for three years, fees and tuition for five years)
- 2004 Graduate Division Dissertation Fellowship, UCSB (\$5,000 U.S. stipend, fees and tuition)
- UCSB Affiliates Nancy Brown Environmental Graduate Dissertation Fellowship, UCSB (\$3,000 U.S.)
- 2003 Nominated for Graduate Student Association Excellence in Teaching Award, UCSB
- 1994 W. N. Vaughan Medal, U. Guelph, "for high academic standing and substantial contributions to student life and to the university"

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Monroe Landon Memorial Scholarship, U. Guelph, “for active interest in field botany, field research and conservation of native species” (\$500 CAN)

1992-94 College of Biological Science Roll of Distinction, U. Guelph

1990-94 President’s Entrance Scholarship (one of ten, \$16,000 CAN), U. Guelph, “the most prestigious entrance award at the University of Guelph”

Canada Scholarship, U. Guelph (\$8,000 CAN)

1993 Governor General’s Canada Scholarship in Environmental Sciences, U. Guelph (\$1,000 CAN)

1991-93 Dean’s Scholarship, U. Guelph (\$500 CAN/annum)

Canadian Intercollegiate Athletic Union (CIAU) Academic All-Canadian Honour Roll, Varsity Swimming, U. Guelph

1992 College of Biological Science Alumni Association Scholarship, U. Guelph (\$1,000 CAN)

1990 Governor General of Canada’s Academic Medal (Bronze)

Essex County Board of Education Award for Merit, Leadership, and Citizenship

1988 Canadian Forestry Service Forestry Research Award, Canada-Wide Science Fair, Winnipeg (\$1,000 CAN)

Nature Conservancy of Canada’s Heritage Conservation Award, Canada-Wide Science Fair, Winnipeg (\$1,000 CAN)

Bronze Medal in Life Sciences, Canada-Wide Science Fair, Winnipeg

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B. Significant Leadership Roles

Here, I highlight my most significant leadership roles – with associated responsibilities – to date. Some other significant roles include the following (see below for complete list): elected member of university Senate (U. Guelph student rep, 1993-94; U. Waterloo faculty rep, 2008-11); Dean search committee (U. Guelph College of Biological Science, 1993-94; U. Waterloo Faculty of Environment 2010-11); Board of Directors, World Wildlife Fund Canada (1995-98); Vice-President, Botany Graduate Student's Association (U. Toronto, 1996-97); Associate Chair, Undergraduate Studies, SERS (2010, 2011-13); Chair, Faculty Committee on Student Appeals (2015); and Associate Editor, *Diversity and Distributions* (2011-18).

2016- Associate Dean – Undergraduate Studies, Faculty of Environment, University of Waterloo [<https://uwaterloo.ca/environment>]

My responsibilities and accomplishments as Associate Dean (AD), to date, include the following:

- ensuring the quality and effective functioning of all aspects of our Faculty's six undergraduate programs (2,300 students), a portfolio covered by 3-4 ADs in UW's large faculties and ranging from recruitment to graduation, discipline to scholarships, and curriculum to co-op employment;
- representing our Faculty on key university committees, including Senate Undergraduate Council (SUC), Undergraduate Operations Committee (UOPS), Co-operative Education Council (CEC), and Steering Committee, English Language Competency Initiative (SCELCI);
- working collaboratively with other members of the Admin/Dean's Group and with the ADs from other faculties to address issues – both strategic and operational – for our Faculty and for UW as a whole, respectively (e.g., regular meetings of ADs with the Registrar's Office to revise policies);
- overseeing our recruitment and admissions processes, through regular meetings with Marketing and Undergraduate Recruitment and the Registrar's Office, and thereby ensuring strong enrollment in Fall 2017 and Fall 2018 (including a 'take-over' of the ENV Snapchat for five days in Nov. 2016 that increased our following by ~10%);
- promoting longer-term recruitment initiatives, such as hosting the provincial high school Envirothon competition at UW for the first time in Spring 2018, which brought 18 winning teams (125 students) from regional competitions across the province to our campus;
- making or contributing to decisions about students awards at admissions through to Convocation;
- shepherding calendar and curricular changes through the approval process, including early-phase consultations (campus-wide), Undergraduate Studies Committee (UGSC, as Chair), Faculty Council, and SUC;
- acting as the major interface between our faculty and "student support services" such as Co-operative Education (e.g., co-op 2.0, EDGE and e-portfolio initiative) and the Student Success Office (e.g., Environment 101,

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fall break, quantitative pathways), where I have continually brought student concerns to the forefront;

- fairly applying major university policies to our undergraduate students (e.g., by adjudicating grievances and petitions under Policy 70 and maintaining academic integrity under Policy 71);
- assessing annual performance and developing goals for three staff (including the Faculty's *Ecology Lab*), and providing input into the assessment of additional staff across campus with whom I interact;
- presenting proposals to seek improvements wherever I can (e.g., by initiating assessment of our Faculty's communication courses and initiating increasing support related to student mental health);
- making arguments to the Dean and chairing selection committee for three new positions in our Faculty that have now been filled: an Administrative and Faculty Exchange Coordinator (120 applicants) and our first two lecturers at the Faculty level (111 applicants), who help bring stability to our courses; and
- developing the case for our Faculty's first "outreach" trip to India (and Dubai), where over the course of eight days I spoke to 1,100+ students at 15 schools (as part of broader UW initiatives to increase the diversity of our international student population).

2014-16

Chair (elected), Board of Directors, Invasive Species Centre [www.invasivespeciescentre.ca] (board member: 2011-16)

The ISC is a not-for-profit organization founded by the Governments of Canada and Ontario to coordinate the actions of the diverse provincial and national bodies charged with managing invasive species in Ontario (and nationally), including providing funding for policy-relevant research.

As a member of the founding board of directors, I was heavily involved with developing the ISC mission, vision, and Strategic Business Plan.

My responsibilities and accomplishments as Chair included the following:

- overseeing the organization as a whole, including an Executive Director, staff, 9-member board, as well as *ex officio* appointments from several government ministries (high-level Directors and Directors General);
- chairing executive committee, nominations committee, and board meetings;
- leading the organization to achieve key priority of diversifying our funding base: our income grew 43% over my tenure, to \$1.89 million, and both funding diversification and program spending greatly improved;
- spearheading a hiring process in summer 2015 to select a fresh new ED who has been very successful; and
- helping to develop and deliver our invited presentation in September 2015 to the Legislative Assembly of Ontario's Standing Committee on Social Policy on the proposal for an Invasive Species Act (Bill 37), which shortly afterward received royal assent and thereby became one of the first Acts globally concerning invasive species.

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2010-12

President (elected), Board of Directors, Ontario Nature [ontarionature.org]
(elected Vice-Pres.: 2008-10; Past-Pres.: 2012-14; board member: 2007-14)

Founded in 1931, Ontario Nature is the province's largest not-for-profit conservation organization, with 7,000 members (and an affiliated network of 150 organizations and 30,000 individuals), an award-winning magazine (ON Nature), and a network of 25 nature reserves.

My tenure as Vice-President and President (2008-2012) occurred in difficult times for ENGOs after the recession and when the fund-raising environment in the non-profit sector was changing tremendously.

My responsibilities and accomplishments as President included the following:

- managing our large and complex board (20 members, including both at-large and “regional” directors who represented affiliated clubs across the province) and leading the organization as a whole (through near-daily interactions with the Executive Director);
- ensuring that all committees and processes operated effectively, in particular by setting the agenda for executive, board, and Annual General meetings (with the ED), by chairing the Conservation and Science committee, and as an *ex officio* member of the other five main standing committees (Finance, Development, Nature Reserves, Nominations and Awards);
- ensuring our fiduciary responsibility for a \$2.5M budget (largely from donations) by leaving the organization with reduced overhead, reduced loss within our conservation/education program (from \$120K to \$20K), greater investment in our development program with new staff hires, and an increase in total fund balances from 5.9 to 6.7 million (2010-2012, including “nature reserves fund” growth from 900K to 1.27 million (2008-2012)); and
- contributing to concrete initiatives and successes by the organization, such as introducing a new *Nature Guardians* program to connect and nurture young environmental leaders across the province; conducting advocacy for policy in a number of areas, but especially in the Boreal region and with a lawsuit against the owners of Toronto buildings with high rates of bird strike; initiating a provincial Amphibian and Reptile atlas to document the status of species found in the province; and, purchasing a new 1,000-acre nature reserve on the Bruce Peninsula after a \$2.3 million fund-raising campaign.

2007

Prepared successful proposal for PhD program in Social and Ecological Sustainability, Department of Environment and Resource Studies

ERS was created in 1969, but it did not have a PhD program until 2008. I took the lead role in preparing the successful 40-page proposal to the Ontario Council of Graduate Studies (OCGS) for this PhD program, which was a “high priority” in the Faculty of Environment's 2007-2012 Strategic Plan. This was a collaborative exercise that drew upon input from my colleagues, yet I drafted the justification for the proposed program as well as its objectives and regulations, delegated sub-assignments, collated data (thus substantially augmenting previous estimates of ERS research funding), and incorporated collegial feedback.

C. Research and Scholarship

1. Areas of research interest

My research is interdisciplinary, transdisciplinary, and synthetic, incorporating elements from the natural sciences, social sciences, and humanities. I collaborate with scholars across these domains and publish in journals spanning them too. My research falls within the following three main theme areas:

- I. Biodiversity conservation in the Anthropocene
- II. Metaphor, environmental science and society
- III. Pollination ecology (focal area early in my career)

2. Publication list

Italicized author indicates post-doctoral fellow or graduate student.

a. Books

- 2011 3. **Larson, B.** *Metaphors for Environmental Sustainability: Redefining Our Relationship with Nature*. New Haven and London: Yale University Press. 320 pp. [Refereed: both proposal and submitted manuscript. Reviewed in *Science* (Aug. 5, 2011). Book panel, Society for Literature, Science, and the Arts, Kitchener, Ontario, Sept. 2011. Paperback edition released, Feb. 2014.]
- 2009 2. Nerlich, B., R. Elliot and **B. M. H. Larson** (eds.). *Communicating Biological Sciences: Ethical and Metaphorical Dimensions*. Burlington, VT: Ashgate. 250 pp. [Refereed proposal]
- 1999 1. **Larson, B. M.**, J. L. Riley, E. A. Snell and H. G. Godschalk. *The Woodland Heritage of Southern Ontario: A Study of Ecological Change, Distribution and Significance*. Don Mills, ON: Federation of Ontario Naturalists. 262 pp.

b. Chapters in books

- 2018 12. **Larson, B. M. H.** Environmental metaphor. Accepted for *The Companion to Environmental Studies* (N. Castree, M. Hulme and J. Proctor, eds.). New York: Routledge. [Invited]
11. **Larson, B. M. H.** The ethics of scientific language about the environment. Pp. 367–377 In *The Routledge Handbook of Ecolinguistics* (A. F. Fill and H. Penz, eds.). New York: Routledge. [Invited]
- 2016 10. **Larson, B. M. H.** and S. Barr. The flights of the monarch butterfly: Between *in situ* and *ex situ* conservation. Pp. 355–368 In *Animal Ethics in the Age of Humans: Blurring Boundaries in Human-animal Relationships* (B. Bovenkerk and J. Keulartz, eds.). New York: Springer. [Volume refereed; invited chapter]
- 2014 9. **Larson, B. M. H.** Seeking citizenship: The Norway Maple in Canada. Pp. 176–190 In *Urban Forests, Trees, and Green Space: A Political Ecology Perspective* (L. A.

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- Sandberg, A. Bardekjian, and S. Butt, eds.). New York: Earthscan/Routledge. [Refereed, invited]
8. **Larson, B. M. H.** The metaphorical links between ecology, ethics, and society. Pp. 137–145 In *Linking Ecology and Ethics for a Changing World: Values, Philosophy, and Action* (R. Rozzi, S.T.A. Pickett, B. Callicott, C. Palmer, and J. Armesto, eds.). New York: Springer. [Invited]
- 2012 7. **Larson, B. M. H.** Observing invasive species and novel ecosystems in urban areas. Pp. 156–157 In *Observation and Ecology: Broadening the Scope of Science to Understand a Complex World* (R. Sagarin and A. Pauchard). Washington, D.C.: Island Press. [Invited]
- 2011 6. **Larson, B. M. H.** Embodied realism and invasive species. Pp. 133–150 In *Philosophy of Ecology and Conservation Biology* (K. de Laplante and K. Peacock, eds.), Handbook of the Philosophy of Science. London: Elsevier. [Refereed, invited]
5. A. Nordgren and **B. Larson**. Met DNA-kennis naar het verleden kijken en de natuur observeren [Looking at history and observing nature with DNA]. Pp. 113–120 In *Genen: Wat willen we ermee?* [*Genes: What do we want with them?*] (F. van de Laar and P. Derx, eds.). Antwerpen-Apeldoorn, The Netherlands: Garant. [In Dutch]
- 2009 4. **Larson, B. M. H.** Should scientists advocate? The case of promotional metaphors in environmental science. Pp. 169–183 In *Communicating Biological Sciences: Ethical and Metaphorical Dimensions* (B. Nerlich, R. Elliot and B. M. H. Larson, eds.). Burlington, VT: Ashgate.
3. Nerlich, B., R. Elliot and **B. M. H. Larson**. Communicating biological sciences: An introduction. Pp. 1–22 In *Communicating Biological Sciences: Ethical and Metaphorical Dimensions* (B. Nerlich, R. Elliot and B. M. H. Larson, eds.). Burlington, VT: Ashgate.
- 2008 2. **Larson, B. M. H.** Entangled biological, cultural, and linguistic origins of the war on invasive species. Pp. 169–195 In *Body, Language and Mind. Volume 2: Sociocultural Situatedness* (R. Frank, R. Dirven, T. Ziemke and E. Bernárdez, eds.). New York: Mouton de Gruyter. [Refereed, invited]
- 2007 1. **Larson, B. M. H.** Thirteen ways of looking at invasive species. Pp. 131–156 In *Invasive Plants: Inventories, Strategies, and Action* (D. R. Clements and S. Darbyshire, eds.). Topics in Canadian Weed Science series, Volume 5. Sainte Anne de Bellevue, QC: Canadian Weed Science Society / Société Canadienne de Malherbologie. [Refereed, invited]

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c. Refereed articles in journals

[Google Scholar, May 15, 2018: citations – 2,365; h-index – 24; i10-index – 36]

- 2018 60. Lee-Yaw, J., R. D. Zenni, K. A. Hodgins, **B. M. H. Larson**, R. Cousens, and B. L. Webber. Range shifts and local adaptation: Integrating data and theory towards a new understanding of species' distributions in the Anthropocene. Submitted to *New Phytologist*.
59. Shackleton, R. T., **B. M. H. Larson**, A. Novoa, D. M. Richardson and C. A. Kull. The human and social dimensions of invasion science and management [Editorial]. *Journal of Environmental Management*.
58. Shackleton, R. T., T. Adriaens, G. Brundu, K. Dehnen-Schmutz, R. Estévez, J. Fried, **B. M. H. Larson**, S. Liu, E. Marchante, H. Marchante, M. C. Moshobane, A. Novoa, M. Reed and D. M. Richardson. Stakeholder engagement in the study and management of invasive alien species. In press in *Journal of Environmental Management*.
57. Shackleton, R. T., D. M. Richardson, C. M. Shackleton, B. Bennett, S. L. Crowley, K. Dehnen-Schmutz, R. A. Estévez, A. Fischer, C. Kueffer, C. A. Kull, E. Marchante, A. Novoa, L. J. Potgieter, J. Vaas, A. S. Vaz and **B. M. H. Larson**. Explaining people's perceptions of invasive alien species: A conceptual framework. In press in *Journal of Environmental Management*.
56. Tait, M. and **B. M. H. Larson**. Entropy and the conceit of biodiversity management. In press in *Global Ecology and Biogeography*.
- 2017 55. Potgieter, L. J., M. Gaertner, C. Kueffer, **B. M. H. Larson**, S. W. Livingstone, P. J. O'Farrell and D. M. Richardson. Alien plants as mediators of ecosystem services and disservices in urban systems: A global review. *Biological Invasions* 19: 3571–3588.
54. Pizarro, J. C. and **B. M. H. Larson**. Feathered roots and migratory routes: Immigrants and birds in the Anthropocene. *Nature and Culture* 12: 189–218.
53. Drescher, M., G. K. Warriner, J. R. Farmer and **B. M. H. Larson**. Private landowners and environmental conservation: A case study of social-psychological determinants of conservation program participation in Ontario. *Ecology and Society* 22 (1): 44. [online] URL: <http://www.ecologyandsociety.org/vol22/iss1/art44/>
52. Bach, T. M. and **B. M. H. Larson**. Speaking about weeds: Indigenous metaphors for weeds and weed management. *Environmental Values* 26: 561–581.
51. **Larson, B. M. H.**, R. van der Wal, A. Fischer and S. Selge. Origin might matter; people matter, too. *Environmental Conservation* 44: 100–101. [Invited, refereed response to a comment by Rejmánek and Simberloff (2017)]

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- 2016 50. Fontaine, L. C. and **B. M. H. Larson**. The right tree at the right place? Exploring urban foresters' perceptions of assisted migration. *Urban Forestry & Urban Greening* 18: 221–227.
49. Gaertner, M., **B. M. H. Larson**, U. M. Irlich, P. M. Holmes, L. Stafford, B. W. van Wilgen and D. M. Richardson. Managing invasive species in cities: Lessons from Cape Town, South Africa. *Landscape and Urban Planning* 151: 1–9.
48. **Larson, B. M. H.** Embodying the path of sustainability: Reflections on “learning to juggle” in environmental pedagogy. *Journal of Environmental Studies and Sciences* 6: 706–711.
47. **Larson, B. M. H.** New wine and old wineskins? Novel ecosystems and conceptual change. *Nature and Culture* 11: 148–164.
- 2015 46. Inouye, D. W., **B. M. H. Larson**, A. Ssymank and P. G. Kevan. Flies and flowers. III. Ecology of foraging and pollination. *Journal of Pollination Ecology* 16: 115–133.
45. Suding, K., E. Higgs, M. Palmer, J. B. Callicott, C. B. Anderson, M. Baker, J. J. Gutrich, K. L. Hondula, M. C. LaFevor, **B. M. H. Larson**, A. Randall, J. B. Ruhl and K. Z. S. Schwartz. Committing to ecological restoration: Efforts around the globe need legal and policy clarification. *Science* 348 (6235): 638–640.
44. **Larson, B. M. H.** The role of scientism in myth-making for the Anthropocene. Invited response for peer forum on chapter by L. Sideris, “Science as Sacred Myth.” *Journal for the Study of Religion, Nature, and Culture* 9: 185–191. [editorially reviewed]
43. Head, L., **B. M. H. Larson**, R. J. Hobbs, J. Atchison, N. Gill, C. Kull and H. Rangan. Living with invasive plants in the Anthropocene: The importance of understanding practice and experience. *Conservation and Society* 13: 311–318.
42. van der Wal, R., A. Fischer, S. Selge and **B. M. H. Larson**. Neither the public nor experts judge species on their origins. *Environmental Conservation* 42: 349–355.
41. Klenk, N. L. and **B. M. H. Larson**. The assisted migration of western larch in British Columbia: A signal of institutional change in forestry in Canada? *Global Environmental Change* 31: 20–27.
40. Klenk, N. L., **B. M. H. Larson** and C. L. McDermott. Adapting forest certification to climate change. *Wiley Interdisciplinary Reviews (WIREs)-Climate Change* 6: 189–201.
- 2014 39. Hart, P. S. and **B. M. H. Larson**. How to communicate about invasive species: “Driver” and “passenger” models of invasive species differentially influence public willingness to take action. *Conservation Letters* 7: 545–552.

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38. Kueffer, C. and **B. M. H. Larson**. Responsible use of metaphors and narratives in science communication. *BioScience* 64: 719–724. [highlighted in lead-off editorial]
37. Fischer, A., S. Selge, R. van der Wal and **B. M. H. Larson**. The public and professionals reason similarly about the management of non-native invasive species: A quantitative investigation of the relationship between beliefs and attitudes. *PLOS ONE* 9(8): e105495. doi:10.1371/journal.pone.0105495.
36. Neff, M. W. and **B. M. H. Larson**. Scientists, managers, and assisted colonization: Four contrasting perspectives entangle science and policy. *Biological Conservation* 172: 1–7.
35. Palmer, C. and **B. M. H. Larson**. Should we move the whitebark pine? Assisted migration, ethics, and global environmental change. *Environmental Values* 23: 641–662.
34. Woodcock, T. S., **B. M. H. Larson**, P. G. Kevan, D. W. Inouye and K. Lunau. Flies and flowers. II. Floral attractants and rewards. *Journal of Pollination Ecology* 12: 63–94.
33. *Bhattacharyya, J.* and **B. M. H. Larson**. The need for indigenous voices in discourse about introduced species: Insights from a controversy over wild horses. *Environmental Values* 23: 663–684.
- 2013 32. **Larson, B. M. H.**, C. Kueffer and the ZiF Working Group on Ecological Novelty. Managing invasive species amidst high uncertainty and novelty. *Trends in Ecology and Evolution* 28: 255–256. [editorially reviewed letter]
31. *Klenk, N. L.* and **B. M. H. Larson**. A rhetorical analysis of the scientific debate over assisted colonization. *Environmental Science & Policy* 33: 9–18.
30. Caplat, P., P.-O. Cheptou, J. Diez, A. Guisan, **B. M. H. Larson**, A. S. MacDougall, D. A. Peltzer, D. M. Richardson, K. Shea, M. van Kleunen, R. Zhang and Y. M. Buckley. Movement, impacts and management of plant distributions in response to climate change: Insights from invasions. *Oikos* 122: 1265–1274.
- 2012 29. *Ferrier, E. A.* and **B. M. H. Larson**. Biodiversity and conservation framing in Canada: A case study of the Oak Ridges Moraine. *Zeitschrift für Kanada-Studien* 32: 107–125.
28. Waldron, G. E. and **B. M. H. Larson**. Kudzu vine, *Pueraria montana*, adventive in southern Ontario. *Canadian Field-Naturalist* 126: 31–33.
- 2011 27. *Young, A. M.* and **B. M. H. Larson**. Clarifying debates in invasion biology: A survey of invasion biologists. *Environmental Research* 111: 893–898.

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- 2010 26. Mackenzie, B. F. and **B. M. H. Larson**. Participation under time constraints: Landowner perceptions of rapid response to the emerald ash borer. *Society and Natural Resources* 23: 1013–1022.
25. **Larson, B. M. H.** Optimizing friction between alternative genomic metaphors: How much plurality is enough? *Genomics, Society and Policy* [Now *Life Sciences, Society and Policy*] 5: 20–28.
24. **Larson, B. M. H.** Reweaving narratives about humans and invasive species. *Études Rurales* 185: 25–38. [invited reprinted version of Larson 2007 chapter, below]
- 2008 23. **Larson, B. M. H.** Friend, foe, wonder, peril: Invasive species are all of these. *Alternatives* 34: 14–17.
- 2007 22. **Larson, B. M. H.** Who’s invading what? Systems thinking about invasive species. *Canadian Journal of Plant Science* 87: 993–999.
21. **Larson, B. M. H.** An alien approach to invasive species: Objectivity and society in invasion biology. *Biological Invasions* 9: 947–956.
20. **Larson, B. M. H.** DNA barcoding: The social frontier. *Frontiers in Ecology and the Environment* 5: 437–442.
19. **Larson, B. M. H.**, P. M. Catling and G. Waldron. The Biology of Canadian Weeds. 135. *Lonicera japonica* Thunb. *Canadian Journal of Plant Science* 87: 423–438.
- 2006 18. **Larson, B. M. H.** The social resonance of competitive and progressive evolutionary metaphors. *BioScience* 56: 997–1004.
- 2005 17. **Larson, B. M. H.** The war of the roses: Demilitarizing invasion biology. *Frontiers in Ecology and the Environment* 3: 495–500.
16. **Larson, B. M. H.**, B. Nerlich and P. Wallis. Metaphors and biorisks: The war on infectious diseases and invasive species. *Science Communication* 26: 243–268.
15. Proctor, J. D. and **B. M. H. Larson**. Ecology, complexity and metaphor. *BioScience* 55: 1065–1068.
- 2001 14. **Larson, B. M. H.**, P. G. Kevan and D. W. Inouye. Flies and flowers: Taxonomic diversity of anthophiles and pollinators. *Canadian Entomologist* 133: 439–465.
- 2000 13. **Larson, B. M. H.** and G. Waldron. Catastrophic windthrow in Rondeau Provincial Park, Ontario. *Canadian Field-Naturalist* 114: 78–82.
12. **Larson, B. M. H.** and S. C. H. Barrett. A comparative analysis of pollen limitation in flowering plants. *Biological Journal of the Linnean Society* 69: 503–520.

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- 1999 11. **Larson, B. M. H.** Bumblebees, *Bombus* spp., foraging on Red Oak, *Quercus rubra*, acorn galls in southern Ontario. *Canadian Field-Naturalist* 113: 285–286.
10. **Larson, B. M. H.** and S. C. H. Barrett. The ecology of pollen limitation in buzz-pollinated *Rhexia virginica* (Melastomataceae). *Journal of Ecology* 87: 371–381. [short-listed for John Harper Young Investigator’s Prize 1999]
9. **Larson, B. M. H.** and S. C. H. Barrett. The pollination ecology of buzz-pollinated *Rhexia virginica* (Melastomataceae). *American Journal of Botany* 86: 502–511. [highlighted in *Science News* 155: 215]
- 1998 8. **Larson, B. M. H.** and S. C. H. Barrett. Reproductive biology of island and mainland populations of *Primula mistassinica* (Primulaceae) on Lake Huron shorelines. *Canadian Journal of Botany* [now *Botany*] 76: 1819–1827.
7. **Larson, B. M. H.** Visitation of the endemic Dwarf Lake Iris, *Iris lacustris*, by halictid bees. *Canadian Field-Naturalist* 112: 524–526.
- 1997 6. Catling, P. M. and **B. M. H. Larson**. The decline and current status of the dune race of Dwarf Cherry, *Prunus pumila* var. *pumila*, on the Canadian shores of the lower Great Lakes. *Canadian Field-Naturalist* 111: 187–193.
5. Catling, P. M., M. J. Oldham, D. A. Sutherland, V. R. Brownell and **B. M. H. Larson**. The recent spread of Autumn-Olive, *Eleagnus umbellata*, into southern Ontario. *Canadian Field-Naturalist* 111: 376–380.
- 1996 4. **Larson, B.** The Yellow-throated Warbler: Soon to breed in Ontario? *Ontario Birds* 14: 3–9.
3. **Larson, B. M. H.** and P. M. Catling. The separation of *Eleocharis obtusa* and *Eleocharis ovata* (Cyperaceae) in eastern Canada. *Canadian Journal of Botany* [now *Botany*] 74: 238–242.
2. **Larson, B. M. H.** and D. Henson. Noteworthy collection. *Eleocharis nitida* Fern. (Cyperaceae), Ontario and Michigan. *Michigan Botanist* 35: 38–39.
- 1994 1. **Larson, B. M. H.** and G. Waldron. American Chestnut infected with hypovirulent blight at Arner Point, Ontario. *Michigan Botanist* 33: 109–115.

d. Edited special issues

- 2018 1. Shackleton, R. T., C. A. Kull, **B. M. H. Larson**, A. Novoa and D. M. Richardson. The Social Dimensions of Invasion Biology [20 papers]. In preparation for *Journal of Environmental Management*.

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e. Invited letters/commentaries, book reviews, and replies in refereed journals

- 2016 10. **Larson, B. M. H.** Peace in the Anthropocene. Review of *A World for My Daughter* by Alejandro Frid. *AJ Alternatives Journal* 42: 74.
- 2013 9. **Larson, B. M. H.** and C. Palmer. Assisted colonization is no panacea, but let's not discount it either. Invited peer commentary on target article by R. Sandler, "Climate Change and Ecosystem Management." *Ethics, Policy and Environment* 16: 16–18.
- 2011 8. **Larson, B. M. H.** Review of *Leopold's Shack and Ricketts's Lab: The Emergence of Environmentalism* by M. J. Lannoo. *History and Philosophy of the Life Sciences* 33: 431–432.
7. **Larson, B. M. H.** Review of *Three Big Bangs: Matter-Energy, Life, Mind* by Holmes Rolston III. *Notre Dame Philosophical Reviews* (online) 2011.05.05.
6. **Larson, B. M. H.** A part, not apart. Review of *Living Through the End of Nature: The Future of American Environmentalism* by Paul Wapner. *Alternatives* 37: 25. [featured review in GreenBookReviews.ca, May 2011]
- 2009 5. **Larson, B. M. H.** Scientizing politics. Review of *The Honest Broker: Making Sense of Science in Policy and Politics* by R. A. Pielke, Jr. *Alternatives* 35: 36.
- 2008 4. **Larson, B. M. H.** Review of Peter Coates, *American Perceptions of Immigrant and Invasive Species: Strangers on the Land*. *Biological Invasions* 10: 257–258.
- 2007 3. **Larson, B. M. H.** Ecological flux and traditional religion. Review of *Religion and the New Ecology: Environmental Responsibility in a World in Flux* by D. Lodge and C. Hamlin (eds.). *BioScience* 57: 980–981.
- 2006 2. **Larson, B. M. H.** War of the roses: The author replies. *Frontiers in Ecology and the Environment* 4: 401. [Invited reply]
1. **Larson, B. M. H.** Demilitarizing invasion biology: The author replies. *Frontiers in Ecology and the Environment* 4: 66–67. [Invited reply]

f. Articles in refereed conference proceedings

- 1997 2. **Larson, B. M. H.** and S. C. H. Barrett. Buzzing on the edge: The reproductive ecology of Meadow-beauty (*Rhexia virginica* L., Melastomataceae) in Ontario. *American Journal of Botany* 84 (Supplement): 85–86.
- 1994 1. **Larson, B. M. H.**, S. M. McLernon and P. G. Kevan. A review of Diptera as pollinators. *Abstracts of the Third International Congress of Dipterology*: 127.

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g. Special reports to government

- 2009 5. Ambrose, J. D., G. Waldron and **B. M. H. Larson**. Expert Report on the possible effects of the Windsor-Essex Parkway on Colicroot (*Aletris farinosa*). Prepared under contract for The Honourable Donna Cansfield, Minister of Natural Resources. 17 pp.
4. Ambrose, J. D., G. Waldron and **B. M. H. Larson**. Expert Report on the possible effects of the Windsor-Essex Parkway on Kentucky Coffee-tree (*Gymnocladus dioicus*). Prepared under contract for The Honourable Donna Cansfield, Minister of Natural Resources. 11 pp.
3. Ambrose, J. D., G. Waldron and **B. M. H. Larson**. Expert Report on the possible effects of the Windsor-Essex Parkway on Dwarf Hackberry (*Celtis tenuifolia*) and Common Hoptree (*Ptelea trifoliata*). Prepared under contract for The Honourable Donna Cansfield, Minister of Natural Resources. 12 pp.
2. **Larson, B. M. H.**, J. D. Ambrose and G. Waldron. Expert Report on the possible effects of the Windsor-Essex Parkway on Willowleaf Aster (*Symphotrichum praealtum* var. *praealtum*). Prepared under contract for The Honourable Donna Cansfield, Minister of Natural Resources. 18 pp.
1. Waldron, G., J. D. Ambrose and **B. M. H. Larson**. Expert Report on the possible effects of the Windsor-Essex Parkway on Dense Blazing Star (*Liatris spicata*). Prepared under contract for The Honourable Donna Cansfield, Minister of Natural Resources. 17 pp.

h. Other publications

- 2013 26. **Larson, B.** As Canadian as ... the Norway Maple. *National Post*, Issues and Opinions (p. A16), November 7, 2013 (<http://fullcomment.nationalpost.com/2013/11/07/brendon-larson-as-canadian-as-the-norway-maple>).
- 2011 25. **Larson, B. M. H.** Green List: Invasives native to Canada. *Alternatives* 37.6: 7 (40th anniversary edition).
- 2006 24. Catling, P. M., **B. M. H. Larson** and G. Waldron. *Lonicera japonica*, an addition to the prioritized list of the invasive alien plants of natural habitats in Canada. *Botanical Electronic News* 357: 3–4.
- 2004 23. **Larson, B. M. H.** *The Metaphoric Web of Science and Society: Case Studies from Evolutionary Biology and Invasion Biology*. Ph.D. Dissertation, Interdisciplinary Ph.D. Program, Science and Society, U. California at Santa Barbara. [Evaluated by committee]
- 2004 22. **Larson, B. M. H.** Review of Mary Midgley, *The Myths We Live By*. www.metaphorik.de.

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- 2000 21. Stewart, L., D. Roze and **B. Larson**. A survey of complex natural landforms in northern New Mexico. Unpublished student papers, Complex Systems Summer School, Santa Fe, NM.
- 1997 20. **Larson, B. M. H.** *The Ecology of Pollen Limitation: Comparative and Experimental Approaches*. M.Sc. Thesis, Department of Botany, U. Toronto. [Evaluated by committee]
19. **Larson, B.** Is extraterrestrial life possible? *U. Toronto Varsity* (p. 7), April 3, 1997.
- 1995 18. Brownell, V. R. and **B. M. H. Larson**. *An Evaluation Framework for Natural Areas in the Regional Municipality of Ottawa-Carleton*. Regional Municipality of Ottawa-Carleton, Planning and Property Services Department, Ottawa, ON. Volume 1. 120 pp. Technical Appendices. 91 pp.
17. Brownell, V. R. and **B. M. H. Larson**. *A Biological Inventory and Evaluation of the Old-growth Features of the Perch Lake Pine Forest*. Ontario Ministry of Natural Resources, Kemptville, ON. 73 pp.
16. **Larson, B. M.** All about Arums. *Seasons* (magazine of the Federation of Ontario Naturalists), Spring 1995: 24–28.
15. **Larson, B. M. H.** An assortment of new county plant records for southern Ontario: Evidence for Murphy's Law. *Field Botanists of Ontario Newsletter*, Spring 1995: 9–15.
14. **Larson, B.** Can't link deer cull with clear-cutting. *Windsor Star*, Comment (p. A7), January 14, 1995.
- 1994 13. Bowles, J. M., W. B. Draper, A. Heagy, M. Kanter and **B. Larson**. *City of London Subwatershed Studies Life Science Inventory*. Upper Thames River Conservation Authority and City of London, London, ON. 114 pp.
12. Jalava, J. V., **B. Larson**, C. A. Schaefer and S. Varga. *Biological Inventory and Evaluation of the Hope Bay Forest Provincial Nature Reserve and Area of Natural and Scientific Interest*. Ontario Ministry of Natural Resources, Southern Region, Aurora, ON. Open File Ecological Report 50523. 110 pp. + 2 folded maps.
11. Jalava, J. V., **B. Larson** and S. Varga. *Biological Inventory and Evaluation of the Glen Management Area, including the Shouldice Forest and the Mud Creek Escarpment Areas of Natural and Scientific Interest*. Ontario Ministry of Natural Resources, Southern Region, Aurora, ON. Open File Ecological Report 50520. 114 pp. + 5 folded maps.
10. Jalava, J. V., S. Varga and **B. Larson**. *Biological Inventory and Evaluation of the Skinner Bluff Area of Natural and Scientific Interest*. Ontario Ministry of Natural Resources, Southern Region, Aurora, ON. Open File Ecological Report 50521. 98 pp. + 3 folded maps.

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9. Schaefer, C. A., **B. Larson**, J. V. Jalava and S. Varga. *Biological Inventory and Evaluation of the Caledon Mountain Slope Forest Area of Natural and Scientific Interest*. Ontario Ministry of Natural Resources, Southern Region, Aurora, ON. Open File Ecological Report 4924. 98 pp. + 3 folded maps.
8. Varga, S., J. V. Jalava and **B. Larson**. *Biological Inventory and Evaluation of the Smokey Head – White Bluff Provincial Nature Reserve and Area of Natural and Scientific Interest*. Ontario Ministry of Natural Resources, Southern Region, Aurora, ON. Open File Ecological Report 50522. 116 pp. + 2 folded maps.
7. Varga, S., J. V. Jalava and **B. Larson**. *Biological Inventory and Evaluation of the Mount Nemo Escarpment Area of Natural and Scientific Interest*. Ontario Ministry of Natural Resources, Southern Region, Aurora, ON. Open File Ecological Report 50517. 84 pp. + 2 folded maps.
6. Varga, S., J. V. Jalava and **B. Larson**. *Biological Inventory and Evaluation of the Silver Creek Valley Area of Natural and Scientific Interest*. Ontario Ministry of Natural Resources, Southern Region, Aurora, ON. Open File Ecological Report 50516. 84 pp. + 2 folded maps.
- 1992 5. Jalava, J., **B. Larson**, C. Schaefer and S. Varga. *Biological Inventory and Evaluation of the Beamsville Escarpment Area of Natural and Scientific Interest*. Ontario Ministry of Natural Resources, Southern Region, Aurora, ON. Open File Ecological Report 9203. 80 pp + 3 folded maps.
4. Jalava, J., C. Schaefer, **B. Larson** and S. Varga. *Biological Inventory and Evaluation of the Fifteen-Sixteen Mile Creek Valleys Area of Natural and Scientific Interest*. Ontario Ministry of Natural Resources, Southern Region, Aurora, ON. Open File Ecological Report 9204. 102 pp + 3 folded maps.
3. **Larson, B.** Report on the *Salix* workshop. *Field Botanists of Ontario Newsletter*, Fall 1992: 6–8.
2. Schaefer, C.A., J. Jalava, S. Varga and **B. Larson**. *Biological Inventory and Evaluation of the Jordan Valley Area of Natural and Scientific Interest*. Ontario Ministry of Natural Resources, Southern Region, Aurora, ON. Open File Ecological Report 9201. 112 pp. + 3 folded maps.
- 1990 1. **Larson, B.** *Status report on Shrubby St. John's-wort (Hypericum prolificum L.): A vulnerable species in Canada*. Report submitted to the Ontario Ministry of Natural Resources and the Committee on the Status of Endangered Wildlife in Canada. 30 pp.

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3. Addresses at conferences

a. Refereed conference presentations

These presentations were accepted based on submitted abstracts. Italicized author indicates post-doctoral fellow or graduate student; † indicates presenter if more than one author.

- 2018 45. Shackleton, R. T.†, C. A. Kull, **B. M. H. Larson**, A. Novoa and D. M. Richardson. Improving our understanding and management of biological invasions by engaging with their social dimensions. Submitted to NeoBiota 2018: 10th International Conference on Biological Invasions, Dublin, Ireland. [Submitted, Upcoming Sept. 2018]
44. *Barr, S.† and B. M. H. Larson*. The state of climate change adaptation in Canada's protected areas sector. Abstract accepted for North American Congress for Conservation Biology, Toronto [Upcoming, July 2018]
- 2017 43. Tait, M.† and **B. M. H. Larson**. Entropy and the conceit of biodiversity management. Canadian Society for Ecological Economics, Montreal, QC.
- 2015 42. Anderson, C. B.†, K. Guillozet, L. A. Ogden, A. R. Santo, M. Sorice, C. J. Donlan, *J. C. Pizarro*, **B. M. H. Larson** and A. E. J. Valenzuela. More than an invasive ecosystem engineer: Reconceptualizing biological invasions as socio-ecological phenomenon with the case of North American beaver research and management in Tierra del Fuego. Ecological Society of America, Baltimore, MD.
41. *Rastogi, R.† and B. M. H. Larson*. The developing world bias in studies of human dimensions of invasive species: Results of a systematic review. Poster presented at International Symposium on Society and Resource Management, College of Charleston, Charleston, SC.
40. *Fartushenko, L.† and B. M. H. Larson*. Shaping public understanding of nature through the design of urban national parks. International Symposium on Society and Resource Management, College of Charleston, Charleston, SC.
39. *Stephenson, K.†*, N. Klenk and **B. M. H. Larson**. Implementing assisted migration: From a theoretical climate change adaptation strategy to practical policy. International Symposium on Society and Resource Management, College of Charleston, Charleston, SC.
38. *Pizarro, J. C.† and B. M. H. Larson*. Understanding the social functions of biodiversity in the Anthropocene: The role of birds in immigrants' sense of place. International Symposium on Society and Resource Management, University of Wisconsin, Charleston, SC.
37. *Fartushenko, L.† and B. M. H. Larson*. Designing nature and a bioinclusive environmental ethic. Urban Ecologies 2015, OCAD University, Toronto.

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- 2014 36. *Fontaine, L. C.*† and **B. M. H. Larson**. Managing southern Ontario's urban forests in the face of climate change. Poster presented at Canadian Urban Forest Conference, Victoria, BC.
35. *Klenk, N.*† and **B. M. H. Larson**. Constructing a materialist conception of discursive institutionalism to examine institutional change in forest policy: The case of the assisted migration of species in Canada. International Union of Forest Research Organizations, Salt Lake City, UT.
- 2013 34. *Pizarro, J. C.*, **B. M. H. Larson** and C. B. Anderson†. Ecosistemas de “bienvenida”: hacía un mejor entendimiento de socio-ecosistemas noveles. Poster presented at Socio-ecología: Avanzando hacia la integración de “la dimensión humana” en el estudio y entendimiento de los ecosistemas del sur de Sudamérica, Puerto Varas, **Chile**.
33. **Larson, B. M. H.** Are novel ecosystems post-natural? Society for Literature, Science and the Arts, University of Notre Dame, Notre Dame, IN.
32. **Larson, B. M. H.** Past and future national symbols: Sugar Maple or Norway Maple for Canada? 5th World Conference on Ecological Restoration, Madison, WI.
31. *Pizarro, C.*† and **B. M. H. Larson**. Novel ecosystems and beyond: Towards a better understanding of novel socio-ecosystems. International Symposium on Society and Resource Management, Estes Park Centre, CO.
30. *Klenk, N.*† and **B. M. H. Larson**. The governance of biodiversity conservation and climate change adaptation: A rhetorical analysis. Canadian Sociological Association, University of Victoria, BC.
29. **Larson, B. M. H.** Fear-inducing and militaristic metaphors in invasion biology and the quest for better alternatives. American Society for Environmental History, Toronto. [invited to organized session]
28. **Larson, B. M. H.** Taking a holistic approach to invasive species: Science, society, and adaptation to change. Weed Science Society of America AGM, Baltimore, MD [invited to organized session].
- 2012 27. *Crochetiere, H.*† and **B. M. H. Larson**. Assessing the efficacy of ‘Grow Me Instead’ campaigns for reducing invasive species introductions. Environmental Studies Association of Canada, University of Waterloo.
26. *Klenk, N.*† and **B. M. H. Larson**. Rationalities and modes of reasoning in the assisted migration of species debate: A concept mapping analysis. Environmental Studies Association of Canada, University of Waterloo.

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25. *Andrachuk, H.*† and **B. M. H. Larson**. Evaluating the quality of citizen science bee observations. Poster presented at Environmental Studies Association of Canada, University of Waterloo. [Winner of the best student poster award]
- 2011 24. **Larson, B. M. H.** Feedback metaphors: The link between science, society, and ethics. Society for Literature, Science and the Arts, Kitchener, ON.
23. **Larson, B. M. H.** Stewarding the planet's plants: Human dimensions of the spread of plants in response to climate change. Ecological Society of America, Austin, TX [invited to organized session].
22. *Neff, M. W.*† and **B. M. H. Larson**. The assisted colonization controversy: The values underlying the disputes. International Symposium on Society and Resource Management, University of Wisconsin, Madison, WI.
21. *Creelman, K.*† and **B. M. H. Larson**. Adolescent perceptions and attitudes towards invasive species and nature. Canadian Network for Environmental Education and Communication, University of Regina, SK.
- 2010 20. *Barbeau, C.*† **B. M. H. Larson** and P. H. Gobster. The key to successful invasive species management programs: A meta-analysis of research on stakeholder perspectives of invasive species. Society for Conservation Biology, Edmonton, AB.
19. *Ferrier, E. A.*† and **B. M. H. Larson**. Perception of disturbance and naturalness in a peri-urban landscape: A case study of the Oak Ridges Moraine, Ontario. International Symposium on Society and Resource Management, Sam Houston State University, Corpus Christi, TX.
- 2009 18. **Larson, B. M. H.**† and *A. M. Young*. Conflict or harmony with invasive species: Empirical results from a survey of invasion biologists. Society for Conservation Biology, Beijing, **China**.
- 2008 17. **Larson, B. M. H.** Engaging the metaphoric web: Environmental metaphors and sustainability. International Symposium on Society and Resource Management, University of Vermont, Burlington, VT.
- 2007 16. **Larson, B. M. H.** Towards an ethics of biological metaphor: The case of promotional metaphors. International Society for the History, Philosophy and Social Studies of Biology, Exeter, **U.K.**
15. **Larson, B. M. H.** Invasive species in urban parks: Concepts and new directions. Parks Research Forum of Ontario, University of Waterloo.
- 2006 14. **Larson, B. M. H.**† and C. Milburn. Using ANT and rhizomes to uncover invasive species. Society for Social Studies of Science, Vancouver, BC.

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13. **Larson, B. M. H.** Would DNA barcoding benefit conservation? Poster presented at Society for Conservation Biology meetings, San Jose, CA.
- 2005 12. **Larson, B. M. H.** Facts, unruly metaphors, and values: Competition and progress in evolution. Society for Social Studies of Science, Pasadena, CA.
11. **Larson, B. M. H.** Reinventing the language of invasion biology. California Invasive Plant Council, California State University – Chico, CA.
10. **Larson, B. M. H.** The popularity of competition and progress: Results of a survey of two constitutive evolutionary metaphors. International Society for the History, Philosophy and Social Studies of Biology, University of Guelph.
9. **Larson, B. M. H.** Metaphors of invasion and war in ecocriticism and science studies. Association for the Study of Literature and Environment, University of Oregon, OR. [invited to organized session]
- 2003 8. **Larson, B. M. H.** The metaphorical war on invasive species. International Cognitive Linguistics Conference, University of La Rioja, **Spain**.
7. **Larson, B. M. H.** The war on invasive species. International Society for the History, Philosophy and Social Studies of Biology, University of Vienna, **Austria**. [part of session on “Metaphor and Communication” that I organized]
- 2002 6. **Larson, B. M. H.** Evolutionary metaphors as messengers: The role of evolutionary biology in society. Poster presented at Society for the Study of Evolution meetings, University of Illinois at Champaign-Urbana, IL.
- 1998 5. **Larson, B. M. H.** The comparative biology of pollen limitation in angiosperms. Society for the Study of Evolution, University of British Columbia, Vancouver, BC.
4. **Larson, B. M. H.** The ecology of pollen limitation in buzz-pollinated *Rhexia virginica*. Ontario Ecology and Ethology Colloquium, Queen’s University, Kingston, ON.
- 1997 3. **Larson, B. M. H.** Buzzing on the edge: The reproductive ecology of Meadow-beauty (*Rhexia virginica* L., Melastomataceae) in Ontario. Ontario Ecology and Ethology Colloquium, University of Western Ontario, London, ON.
2. **Larson, B. M. H.** Island and mainland reproductive biology of Bird’s-eye Primrose (*Primula mistassinica* Michx., Primulaceae) on Lake Huron shorelines. Ontario Ecology and Ethology Colloquium, University of Western Ontario, London, ON.
- 1996 1. **Larson, B. M. H.** Pollen limitation in Angiosperms: Is prediction possible? Ontario Ecology and Ethology Colloquium, University of Ottawa, ON.

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b. Invited research lectures and presentations

I have lectured to a total audience of more than 5,900 people.

- 2018 80. Nature, Kids, and the Anthropocene. North Durham Nature, Port Perry, ON. [Upcoming, June 2018]
- 2017 79. Conservation in the Anthropocene. Extended Learning Opportunities, Erin, ON.
78. Aliens in the garden: The good and the bad of invasive species. **Keynote**, Southern Garden Symposium, St. Francisville, LA.
77. Science, society and metaphors for the Anthropocene. Department of Communication Studies, University of Michigan, Ann Arbor, MI.
- 2016 76. Redefining our relationship to nature. **Keynote**, North American Native Plant Society AGM, Toronto.
75. Bringing a sense of wonder to invasive species. **Featured plenary speaker**, Wonder and the Natural World, University of Indiana, Bloomington, IN.
74. The sex lives of plants in Ontario. **Keynote**, Royal Botanical Gardens (RBG) Senior High School Student Symposium, Hamilton, ON.
73. The place of invasive species in urban forests. **Plenary**, The Tree School, New Orleans, LA.
72. Metaphor and environmental problem-solving in the urban forest. **Plenary**, The Tree School, New Orleans, LA.
71. The sex lives of plants in Ontario. **Keynote**, Guelph-Wellington Master Gardeners 20th Anniversary Event, Guelph.
70. Redefining our relationship with nature. **Plenary**, Nature Conservancy of Canada Staff Conference, St. Catherine's, ON.
69. **Larson, B. M. H.** and V. J. Schweizer. The value of scenario planning for conservation. Nature Conservancy of Canada Conservation Workshop, St. Catherine's, ON.
68. Redefining our relationship to nature. Midland-Penetanguishene Field Naturalists, Orillia, ON.
- 2015 67. Palmer, C. and **B. M. H. Larson**. Should we move the white-bark pine? Assisted migration, ethics, and global environmental change. Wageningen University, **The Netherlands**.

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66. *Pizarro, J. C.*† and **B. M. H. Larson**. Feathered roots and migratory routes: Immigrants and birds in novel socio-ecosystems. Society for Ecological Restoration – Ontario AGM, University of Waterloo.
65. Plant power: The case of Canada’s maples. **Keynote**, Royal Botanical Gardens (RBG) Senior High School Student Symposium, Hamilton, ON.
64. The sex lives of plants in Ontario. **Keynote**, Royal Botanical Gardens (RBG) Senior High School Student Symposium, Hamilton, ON.
63. The sex lives of plants in Ontario. **Plenary**, Pollination Guelph AGM/Symposium, Guelph.
62. Redefining our relationship to nature. **Keynote**, Couchiching Conservancy AGM, Orillia, ON.
- 2014 61. Redefining our relationship to nature. Kitchener-Waterloo Field Naturalists, Waterloo.
60. Aliens: The big picture. **Plenary**, Carolinian Canada Coalition’s Ecosystem Recovery Forum 2014, Hamilton, ON.
59. Invasive species in the 21st-century. Waterloo Horticultural Society, Waterloo.
58. The great invasive debate. Ontario Land Trust Alliance, Orillia, ON.
57. Plant power: The case of Canada’s maples. **Keynote**, Royal Botanical Gardens (RBG) Senior High School Student Symposium, Hamilton, ON.
56. Learning to love invasive species in urban forests. **Plenary**, Canadian Urban Forest Conference, Victoria, BC.
55. Metaphor and environmental problem-solving. **Plenary**, Canadian Urban Forest Conference, Victoria, BC.
54. Science, society and metaphors for the Anthropocene. **Plenary**, “Changing climate change communication: A conference on the interactions between culture, society and language in the context of global warming,” VU University Amsterdam, **The Netherlands**.
53. Conserving nature in the Anthropocene: The case of invasive species. South African National Parks—Cape Research Centre, Cape Town, **South Africa**.
52. Reframing our relationship to invasive species: Science, society, and adaptation to change. Department of Botany and Zoology seminar series, Stellenbosch University, **South Africa**.

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51. Redefining our relationship to nature. Kitchener Public Library's (KPL) *Ideas and Issues* Lecture Series, Kitchener, ON.
- 2013 50. Palmer, C. and **B. M. H. Larson**. Should we move the white-bark pine? Assisted migration, ethics, and global environmental change. Texas A&M University, College Station, TX.
49. Redefining our relationship to nature. York-Simcoe Field Naturalists, East Gwillimbury, ON.
48. Metaphors for environmental sustainability. Department of Philosophy/Department of Environmental Science and Policy, Smith College, Northampton, MA.
47. Reframing our relationship to invasive species: Ecology, society, and adaptation to change. Yi-Fu Tuan Lecture Series, Nelson Institute for Environmental Studies and Department of Geography, University of Wisconsin, Madison, WI.
46. Field botany in the Anthropocene. **Keynote**, Field Botanists of Ontario AGM, Cambridge, ON.
45. Redefining our relationship to nature: Science, society, and alternative environmental metaphors. School of Environmental Studies, University of Victoria, BC.
44. Is “living with” invasive species just giving in? **Keynote**, workshop on “The social life of invasive plants,” University of Wollongong, NSW, **Australia**.
43. Redefining our relationship to nature: Science, society, and alternative environmental metaphors. CSIRO Ecosystem Sciences Public Seminar Series, Canberra, ACT, **Australia**.
42. Redefining our relationship to nature: Alternative environmental metaphors and socio-environmental synthesis. National Socio-Environmental Synthesis Center (SESYNC), Annapolis, MD.
- 2012 41. Reframing our relationship to invasive species: Science, society, and adaptation to change. University of Aberdeen, **Scotland**.
40. Assessing the adequacy of new environmental metaphors: Invasive species, invasional meltdown, and novel ecosystems. Presented at workshop “Environmental justice and new metaphors,” **Plenary**, Finnish Society for Environmental Social Science, University of Turku, **Finland**.
39. Redefining our relationship with nature. **Keynote**, Ontario Invasive Plant Council AGM, Guelph.

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38. New wine and old wineskins? The metaphors of ecological novelty. Presented at workshop “Towards an interdisciplinary understanding of ecological novelty,” Zentrum für interdisziplinäre Forschung (ZiF, Center for Interdisciplinary Research), Universität Bielefeld, **Germany**.
37. Redefining our relationship with nature. Royal City Men’s Club, Guelph.
36. Redefining our relationship with nature. **Keynote**, Ontario Nature AGM, Chaffey’s Locks, ON.
35. Redefining our relationship with nature: The case of metaphors for invasive species. Science Studies, the Humanities, and the Arts Research Workshop, University at Buffalo, NY.
34. Redefining our relationship with nature. Applied Biodiversity Science Seminar Series, Texas A&M University, College Station, TX.
33. The sex lives of plants in Ontario. **Plenary**, Waterloo Pollination Event, Roots & Shoots Youth Leadership Council (YLC) of the Jane Goodall Institute of Canada, Waterloo.
32. Redefining our relationship with nature. Environmental Education and the Arts Symposium, Resilience 2012: A Community Festival, Guelph.
- 2011 31. Invasive species: Moving beyond good and bad. Facultad de Ciencias Forestales, Universidad de Concepción, **Chile**.
30. Redefining our relationship with nature. Guelph Field Naturalists, Guelph.
29. Redefining our relationship with nature. **Keynote**, Society for Ecological Restoration – Ontario AGM, York University, Toronto.
28. Changing views of nature: Invasive species and assisted colonization. Southern Region Forestry Forum, Ontario Ministry of Natural Resources, Guelph.
27. The good, the bad, and the merely novel: Placing ecological “novelty” in social context. Presented at workshop “Understanding and managing ecological novelty - towards an integrative framework of the socio-ecological impacts of novel organisms,” Monte Verita, **Switzerland**. [invited based on submitted abstract]
26. Botanical voyeurism: The sex lives of plants in Ontario. **Keynote**, Bruce Peninsula Orchid Festival, Tobermory, ON.
25. The changing face of biodiversity. Saugeen Field Naturalists Club, Hanover, ON.

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- 2010 24. Metaphors for environmental sustainability. Joint lecture for Biology Department Seminar Series, the Department of Philosophy and Religion Studies, and the Sub-Antarctic Ecosystems and Biocultural Conservation Research Cluster, University of North Texas, Denton, TX.
23. Biodiversity of the future. Extended Learning Opportunities, Erin, ON.
22. Relating to biodiversity. Stratford Field Naturalists Club, Stratford, ON.
21. Biodiversity of the future. The Waterloo Lectures, Stratford Institute, University of Waterloo, Stratford, ON.
- 2009 20. The ethical dimension of metaphors in the biosciences. Centre for Applied Ethics, Linköping University, **Sweden**.
19. The metaphoric web: The social dimensions of environmental metaphors. Ethics Institute, Utrecht University, Utrecht, **The Netherlands**.
18. Words of inspiration. Address at academic banquet, Harrow District High School, Harrow, ON.
17. Encountering invasive species. Department of Regional Studies, University of Tampere, Tampere, **Finland**.
16. Beyond 'good' and 'bad' marine introduced species: An introduction. Presented at workshop "Marine introduced species: Exploring the assumptions behind the concern about 'invasions,'" University of Bergen, **Norway**.
15. An intractably difficult and possibly quite insoluble conundrum: Tales from a biologist-turned-metaphorophile. Centre for Knowledge Integration Seminar Series, University of Waterloo.
- 2008 14. The metaphoric web: Biological metaphors and their social resonance. **Keynote**, National Association of Biology Teachers Professional Development conference, Memphis, TN.
13. 13 ways to juggle our conception of invasive species. **Keynote**, international Weeds Across Borders conference, Banff, AB.
12. Friend, foe, wonder, peril: Thirteen ways of looking at invasive species. Essex County Field Naturalists' Club, Essex, ON.
11. Out with the old, in with the new: Invasive species and hyper-abundant ones. Parks Research Forum of Ontario AGM, Lakehead University, Orillia, ON.

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- 2007 10. Who's invading what? Systems thinking about invasive species. Symposium on "Plant Ecology and Invasive Species," Plant Canada AGM, Saskatoon, SK.
- 2006 9. Thirteen ways of looking at invasive species: The spectrum from bad to good. **Plenary**, Canadian Weed Science Society AGM: "Invasive plants: Inventories, strategies and action," Victoria, BC.
8. Barcoding, invasion, and war: How the military-industrial complex shapes the science of biodiversity. Biodiversity and Society seminar series, University of California at Davis.
2005. 7. Natural history and our view of invasive species. Natural History and Humanities Program, Texas Tech University, Lubbock, TX.
- 2004 6. The language of invasion biology: Conceptual and rhetorical dimensions. Center for Population Biology, University of California at Davis.
5. War, invasion and competition: Implications of biological and medical metaphors. Center for Bioethics and Health Law, University of Pittsburgh, PA.
4. Competition and progress in a survey of evolutionary metaphors. Center for Philosophy of Science Colloquium, University of Pittsburgh, PA.
- 2003 3. Militaristic metaphors in biology: Social implications of the war on invasive species. Institute for the Study of Genetics, Biorisks & Society, University of Nottingham, **U.K.**
2. Militaristic metaphors in biology: Social implications of the war on invasive species. ESRC Centre for Genomics in Society, Exeter University, **U.K.**
1. Cognitive linguistics meets evolutionary biology. Invited respondent for a session at the International Cognitive Linguistics Conference, University of La Rioja, **Spain**.
- c. Invited international, interdisciplinary workshops**
- 2018 20. Species range extensions and local adaptation: Challenging ecological and evolutionary ideas and assumptions, Bariloche, **Argentina**
- 2017 19. Incorporating genomic and biotechnology tools into a conservation biology ethical framework in a rapidly changing world, University of Montana, Missoula, MT
- 2016 18. Urban invasions: Patterns, processes and management, Stellenbosch University, **South Africa**
- 2015 17. Blurring boundaries: Rethinking old divisions in the human-animal relationship, Wageningen University, **The Netherlands**

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16. International Union of Forest Research Organizations (IUFRO) working party on the social dimensions of forest health, Umeå University, **Sweden** [Declined due to teaching conflict]
- 2014 15. Ecological restoration and ecosystem services: Synthesizing concepts, science, law, economics, and ethics, National Socio-Environmental Synthesis Center, Annapolis, MD (3 meetings)
- 2013 14. Decision-making for novel ecosystems, School of Environmental Studies, U. Victoria
13. The social life of invasive plants, University of Wollongong, **Australia**
- 2012 12. Environmental justice and new metaphors, Finnish Society for Environmental Social Science, University of Turku, **Finland**
11. Towards an interdisciplinary understanding of ecological novelty, Zentrum für interdisziplinäre Forschung (ZiF, Center for Interdisciplinary Research), Universität Bielefeld, **Germany**
- 2011 10. Understanding and managing ecological novelty: Towards an integrative framework of the socio-ecological impacts of novel organisms, Monte Verita, **Switzerland** [invited based on submitted abstract]
9. Linking ecology and ethics for a changing world: Values, philosophy, and action, Cary Conference, Millbrook, NY
- 2010 8. From Linnaeus to the Encyclopedia of Life: Tracking Diversity in the Natural World, Marine Biological Laboratory-Arizona State University History of Biology Seminar, Marine Biological Laboratory, Woods Hole, MA [applied to attend]
- 2009 7. Marine introduced species: Exploring the assumptions behind the concern about ‘invasions,’ University of Bergen, **Norway**
- 2008 6. Towards a ‘Lingua democratica’ for the public debate on genomics, Utrecht, **The Netherlands**
5. Enduring voices: Global mapping for languages, cultures and biodiversity, National Geographic Society, Washington, DC
- 2006 4. Ecological restoration as social reconstruction, New England workshop on science and social change, Marine Biological Laboratory, Woods Hole, MA [applied to attend]
- 2003, 2004 3. Representing Genes, University of Pittsburgh, Pittsburgh, PA
- 2001 2. Kira Institute summer school, Ways of knowing, Amherst College, Amherst, MA [applied to attend]

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2000 1. Santa Fe Institute complex systems summer school, Santa Fe, NM [applied to attend]

4. Record of research funding (Total ~\$670,000)

Unless otherwise indicated, I was the P.I. and amounts are in Canadian dollars.

- 2016-18 UW/SSHRC Research Incentive Fund Award (\$8,000)
- 2017 Interdisciplinary assessment of whether intervention is warranted in the management of aquatic invasive species, **UW Water Institute** Seed Grant Program (\$11,746) [Primary co-applicant]
- 2011-16 Defining Ontario's future forests: Science, stakeholders, and assisted colonization, **Ontario Ministry of Research and Innovation**: Early Researcher Award (\$150,000)
- Defining Canada's future forests: Stakeholder perceptions of assisted colonization, **SSHRC** Standard Research Grant (\$121,992)
- 2012-14 What motivates private landowners to conservation? A study of the effects of 'connectedness with nature' on conservation behaviour, **Social Sciences and Humanities Research Council of Canada (SSHRC)** Insight Development Grant (\$70,858). [Co-applicant with M. Drescher, F. McKay, and K. Warriner]
- 2009-13 Biodiversity science and conservation in southern Ontario: Historical, contemporary and spatial dimensions. **SSHRC** Strategic Research Grant: Canadian Environmental Issues (\$158,112; UW share ~30%, \$48,900) [Co-applicant with S. Bocking and G. Whitelaw]
- 2008-12 Stakeholder perspectives on invasive species affecting Canadian forests, **SSHRC** Standard Research Grant (\$130,574)
- 2012 Binoculars for Ecology Lab and for field courses, **Waterloo Environmental Studies Endowment Fund (WESEF)** (\$7,250) [Co-applicant with Ecology Lab]
- 2011 La integración de aspectos socio-culturales en el estudio y manejo de especies invasoras en la ecorregión subantártica. **CONICYT**, Chile (\$8,250,000 Chilean pesos, ~\$17,000, declined due to unrest and student strikes)
- Microscopes for field courses, **WESEF** (\$8,500)
- 2008 Manuals for field courses, **WESEF** (\$1,327)
- 2007 Base Financing Program for Scientific and Technological Centers, **Comisión Nacional de Investigación Científica y Tecnológica (CONICYT)**, Chile (\$15,000,000) [minor contributor, excluded from accounting]

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- Manuals for field courses, **WESEF** (\$1,250)
- UW/SSHRC** travel grant (\$1,200)
- 2006 Social dimensions of the response to emerald ash borer in Ontario, **UW/SSHRC** seed grant (\$5,500)
- UW/SSHRC** travel grant (\$700)
- 2005-06 Social dimensions of biological invasions, **National Science Foundation** Integrated Education and Research Training (IGERT) Program on Biological Invasions, University of California at Davis (\$5,000 U.S. for expenses for post-doctoral research)
- 2004 Ecological metaphors – Their cultural resonance and what we can do about it, **National Center for Ecological Analysis and Synthesis** (NCEAS) Grant for Working Group, Santa Barbara, CA (\$14,604 U.S.)
- 2003 Metaphorical issues in biological science-society communication – Invasive species, **Economic and Social Research Council** (ESRC, U.K.) Short-term Visiting Scholar Grant (£1,250)
- Metaphors as messengers – Evolutionary biologists and their metaphors, Humanities/Social Science Research Grant, **Graduate Division**, UCSB (\$2,000 U.S.)
- Religion, science and nature, **Interdisciplinary Humanities Center** Research Focus Group Grant, UCSB (\$833 U.S.) [Co-applicant]
- Graduate student travel grant, **Graduate Division**, UCSB (\$825 U.S.)
- 2002 The history of life: Scientific and religious perspectives, Teaching Assistant Instructional Grant, UCSB (\$760 U.S.)
- Graduate Student Special Travel Grant, **Graduate Division**, UCSB (\$550 U.S.)
- 1999-2001 **Natural Sciences and Engineering Research Council of Canada (NSERC)** Postgraduate Scholarship (PGS B) (\$38,200)
- 2000 **University of California White Mountain Research Station** Graduate Student Research Grant (\$1,650 U.S., declined)
- 1995-97 **NSERC** Postgraduate Scholarship (PGS A) (\$31,200)
- 1994 **Forestry Canada** Graduate Supplement (\$5,000/annum, declined)

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1993 NSERC Undergraduate Student Research Award, Department of Environmental Biology, U. Guelph (\$5,000)

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D. Teaching and Advising

1. Professional development (selected)

- 2017 Mental Health First Aid, 2-day program of The Mental Health Commission of Canada
- 2015 University of Waterloo teaching and learning conference, *Making Teaching and Learning Visible*
- 2010, 2014 Teaching Excellence Academy, Centre for Teaching Excellence, U. Waterloo
- 2003 Certificate in College and University Teaching (CCUT), UCSB
- Summer Teaching Institute for Associates (STIA), UCSB
- 2002 Academic Research Writing, Graduate seminar, UCSB
- 1998 The Process of Teaching, Graduate seminar, U. Toronto

2. Graduate students and post-doctoral fellows supervised

Student Name	Program	Research Project Title	Completion Date
Stephanie Barr	PhD	Stakeholder Perceptions of Biodiversity Conservation in an Era of Climate Change	In Progress
Misty Matthews-Roper	PhD	TBD	Beginning Fall 2018
Ester Suen	MES	TBD	Beginning Fall 2018
Ross Shackleton	PDF	Stakeholders and Invasive Species	2017
Jacqueline Corr	MES	A Review of Assisted Migration Policies in Canada	2016
Andrea Legere	MES	Promoting Nature Connectedness in Canada's First National Urban Park: Social Opportunities and Obstacles in the Rouge Valley	2016
Archi Rastogi	PDF	Social Dimensions of Invasive Species	2015
Derek Griesbach (U. Pittsburgh)	PhD (RA)	Mapping the Conceptualization of the Anthropocene	2014
Cristóbal Pizarro	PhD	Feathered Roots and Migratory Routes: Latin American Immigrants and Birds	2015
Lysiane Chagnon Fontaine	MES	Urban Forestry: Climate Change Adaptation and Assisted Colonization	2014

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Heather Andrachuk	MES	The Quality of Citizen Scientists' Bee Observations: An Evaluation of PollinatorWatch at RBG and <i>rare</i>	2014
Nicole Klenk	PDF	Policy Development and Assisted Colonization	2013
Jonaki Bhattacharyya	PDF	Indigenous Perspectives of Wild Horses	2012
Heather Crochetiere	MES	Investigating the Efficacy of Voluntary Initiatives for Reducing Horticultural Introductions of Invasive Species	2012
Mark Neff	PDF	Q Method Study of Scientists' and Managers' Perspectives of Assisted Colonization	2011
Kyle Creelman	MES	Adolescent Perceptions and Attitudes towards Invasive Species and Nature	2011
Elaine Ferrier	MES	Perception of Naturalness in a Hybrid Landscape: A Case Study of Citizens Engaged in Oak Ridges Moraine Conservation	2011
Carolyn Glass	MES	An Evaluation of the Reintroduction of Atlantic Salmon to Lake Ontario and its Tributaries	2010
Hadley Boehm	Fulbright	Complex Systems and Invasive Species: Purple Loosestrife in North America	2009
Ashley Young	Fulbright	A Survey of Invasion Biologists' Perspectives on Invasive Species	2008
Bruce Mackenzie	MES (RA)	Stakeholder Perspectives of the Response to Emerald Ash Borer in Ontario	2007

3. Graduate student committees and examinations

Student Name	Program	Research Project Title	Completion Date	Role
Michael McTavish	PhD	Exotic Species and Earthworms in Restoration Ecology	Ongoing	Comprehensive and advisory committees
Heather Cray	PhD	Restoration and Changing Ecosystems	Ongoing	Comprehensive and advisory committees
Lisa Emiljanowicz	PhD (U. Guelph)	Creation of an Insect Pest Risk Assessment Tool for Ontario Agriculture	Ongoing	Comprehensive and advisory committees
Melissa Weber	MA (Geography)	Climate-induced Environmental Change and the Future of Tourism at the Athabasca Glacier in Jasper National Park	2017	Reader

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In confidence	PhD, Monash University, Australia	In confidence	2015	External examiner
In confidence	PhD, U.B.C.	In confidence	2014	External examiner
In confidence	PhD, Charles Sturt U., Australia	In confidence	2014	External examiner
Cameron McCordic	PhD	Modelling the Complexities of Urban Food Security Vulnerability	2014	Comprehensive committee
Charlotte Moore	MES	Testing the Effectiveness of Citizen Science Using a Volunteer Butterfly Monitoring Program	2014	Advisory Committee
Martin Kastner	MES	A Study Assessing the Use of Soil Treatments for Meadow Restoration in the Region of Waterloo, Ontario, Canada	2014	Advisory Committee
Natalie Evans	PhD, Philosophy	Agency and Autonomy: A New Direction for Animal Ethics	2013	External examiner
Kaitlyn Rathwell	PhD	Bridging Inuit and Scientific Knowledge Systems through Art and Governance to Navigate Critical Transitions in Arctic Sea Ice Loss	2012	Comprehensive committee
Jennifer Balsdon	PhD	Resilience Perspective: A Conceptual Framework for Restoration Ecology	2011	Comprehensive committee
Cole Atlin	MES, Global Governance	Invasive Alien Species, Globalization and Policy Construction	2011	Advisory Committee
Megan Ihrig	MES	Assessing Progress of Urban Ecological Restoration Using Transplants	2011	Advisory Committee
Jessica Grealey	MES	Butterfly Abundance and Diversity Along an Urban Gradient in Waterloo, Ontario	2010	Advisory Committee
Darby McGrath	MES	Testing the Existence and Extent of Impacts of Double-crested Cormorant Nesting on Three Islands in Lake Erie	2009	Advisory Committee

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Karen Buschert	MES	Spatial Patterns of Tree Invasion in an Old Field: Implications for Restoration	2008	Reader
Kathryn Lundy	MES	Climate Change and Endangered Species in Canada	2008	Reader
Meghan Beveridge	MES	Proposing a Water Ethic: A Comparative Analysis of <i>Water for Life: Alberta's Strategy for Sustainability</i>	2006	Reader
Wendy Sauder	MES	Secondary use of Hydro Transmission Corridor Lands in Urban Areas of the Regional Municipality of Waterloo	2006	Reader

4. Undergraduate student theses supervised in SERS

From 2014-2017, I was not assigned to supervise students taking our undergraduate thesis course (ERS411). Instead, I taught our Senior Honours Research Seminar (ERS413).

Student Name	Research Project Topic	Completion Date
N. Shephard	Domestic cats and bird populations	2018
H. Ince (K.I.)	Language Endangerment	2015
J. Cloutier	Management Solutions for Coyote in Waterloo	2013
E. Bird	Updating the COSEWIC Status of Louisiana Waterthrush	2013
A. Wilk	Future Management of Algonquin's Eastern Wolf	2013
E. Brookfield	Barriers to Mead-Making in Ontario	2013
D. Alexander	The Effect of Climate Change on Butterflies	2013
J. Martini	Analysis of Environmental Education Policy in Ontario	2013
M. Colley	Hunter-mediated Seed Dispersal	2013
J. van Overbeeke	A Course in Language and Environment (Ecolinguistics)	2012
L. Horn	Effects of Recreational Trails on Vegetation	2012
R. Froklage	Portrayal of Giant Hogweed in Print Media	2012
C. Mader	Perceptions of the European Starling	2012
S. Perdeau	Captive Breeding and Giant Panda Reintroduction	2012
A. Jewell	Common Buckthorn as Winter Food for Birds	2012
K. Cormier	Analysis of Ontario Invasive Species Strategic Plan	2012
J. Smith	Hybridization and Mulberry in Ontario	2011
T. Zacharias	Social Networks and ENGOS	2011
S. Belledent	Linguistic and Biological Diversity	2010
A. VanGroningen	Green and the Equestrian Industry	2009
A. Bennett	Invasive Species of the Carden Alvar	2008
N. Bettencourt	Social Perceptions of Waterfowl	2008
K. Hermsen	Perceptions of Purple Loosestrife	2008
T. Renner	Organic Food Choices	2008
J. Lowry	Community Ecological Restoration	2007

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L. McCarthy	Perceptions of Hybrid Plants	2007
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5. Record of university courses taught

S = spring, F = fall, W = winter; **bold** course = graduate level

Year/Term	Course Number	Title	Enrolment
2018 S	ENVS 200	Field Ecology	245
2018 S	ERS 283	Ontario Natural History – Species and Patterns	16
2017 F	ENVS 200	Field Ecology	168
2017 S	ERS 283	Ontario Natural History – Species and Patterns	16
2016 F	ENVS 200	Field Ecology	227
2016 S	ERS 283	Ontario Natural History – Species and Patterns	15
2016 W	ERS 406	Paths to Sustainability	22
2016 W	ERS 413	Senior Honours Research Seminar	27
2015 F	ENVS 200	Field Ecology	230
2015 S	ERS 283	Ontario Natural History – Species and Patterns	16
2015 W	ERS 413	Senior Honours Research Seminar	21
2015 W	ERS 702	Critical Analysis and Research	6
2013 F	ERS 475	Walking the Path of Sustainability – An Exploration of Embodied Metaphors	16
2013 S	ERS 283	Ontario Natural History – Species and Patterns	16
2013 W	ERS 702	Critical Analysis and Research	8
2012 S	ERS 283	Ontario Natural History – Species and Patterns	16
2012 W	ERS 410	ERS Capstone – Transforming Ecosocial Systems	110
2011 F	ERS 110	Environmental Analysis I: Foundations	109
2011 S	ERS 283	Ontario Natural History – Species and Patterns	13

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2011 W	ERS 410	ERS Capstone – Transforming Ecosocial Systems	64
2010 F	ERS 110	Environmental Analysis I: Foundations	121
2010 S	ERS 283	Ontario Natural History – Species and Patterns	19
2010 W	ERS 496	ERS Capstone: Transforming Ecosocial Systems	63
2009 S	ERS 283	Ontario Natural History	14
2009 W	ERS 496	ERS Capstone: Transforming Ecosocial Systems	52
2008 F	ERS 475/675	Invasive Species: A Socio-ecological Systems Approach	1/2
2008 S	ERS 283	Ontario Natural History	13
2008 W	ERS 101	Issue Analysis and Problem-Solving for Environmental Studies II	110
2007 F	ERS 475/675	Language and Environment	7/2
2007 S	ERS 275	Natural History of the Rice Lake Plain	12
2007 W	ERS 101	Issue Analysis and Problem-Solving for Environmental Studies II (<i>co-taught</i>)	87
2006 W	UC Davis	Juggling as a Metaphor for Life	11
2003 S	Env S 111/Geog 149, UCSB	The California Channel Islands	35
2002 S	Env S 129, UCSB	Ecopsychology (<i>co-taught</i>)	10
2001 S	Env S 111/Geog 149, UCSB	The California Channel Islands	38
			Total: 1958 students

6. Invited course lectures

- 2016 “Conservation in Carolinian Canada in the Anthropocene” in *Special Topics Course on Climate Change and Biodiversity/Protected Areas*, Master of Climate Change program, U. Waterloo
- 2014-16 “Biodiversity and Ethics” in *Environmental Sustainability & Ethics* (ENVS105), U. Waterloo (annually)

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- 2013 “Resource Conservation and Sustainability,” Panel for *Seminar in Geography* (Geography 691), Laurier-Waterloo Graduate Program in Geography
- 2012 “Social, Ecological, Management and Ethical Dimensions of Human-Introduced and Invasive Species” in *Introduction to Sub-Antarctic Biocultural Conservation*, University of North Texas, Denton, TX
- 2009 “Biodiversity and Conservation” (three course lectures) in *Environmental and Animal Ethics*, Linköping University, **Sweden**
- 2006 “Integrating Indigenous Knowledge in Conservation Planning,” Invited panel for *Planning Research Forum* (Planning 801/802), U. Waterloo
- “Social Science Research Methods” (four lecture and discussion sessions) in *Biological Invasions Graduate Seminar*, University of California at Davis
- 2005 “Social and Linguistic Dimensions of Invasion Biology” (two sessions) in *Biological Invasions Graduate Seminar*, University of California at Davis
- “Science and Advocacy” in *Responsible Conduct of Research for Environmental Scientists Graduate Seminar*, University of California at Davis
- 2004 “Language and worldview” and “Metaphors of Nature” in *Philosophy of Nature*, Oregon State University, Corvallis, OR
- “The Ethics of Ecological Restoration” in *Ecological Restoration* seminar, UCSB
- “Metaphors of Conservation Biology” in *Conservation Biology*, UCSB
- 2003 “Restoration and Militarism” in *Ecological Restoration*, UCSB
- “Buddhism, Science, and Ecopsychology” (given in two terms) in *Ecopsychology*, UCSB
- “The Ethics of Environmental Language” in *Environmental Ethics*, UCSB
- 2001, 2002 “Invasive Species” in *Environmental Ecology*, UCSB
- 2001 “Ideas of Nature in a Life” in *The Idea of Nature*, UCSB
- “Science, Religion and Environment” in *Current Topics*, UCSB
- “Values” in *Human Population and Environment*, UCSB

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E. Service

1. Committees

The following service is at the University of Waterloo unless otherwise indicated.

a. University

- 2018- National Survey of Student Engagement (NSSE) Action Coordination Team
- 2016- Senate Undergraduate Council (SUC)
Undergraduate Operations Committee (UOPS)
Co-operative Education Council (CEC)
Provost's Advisory Committee for Timetabling (PACT)
Steering Committee, English Language Competency Initiative (SCELCI)
- 2018 Site Visit Team (2 members), Academic Program Review, English Language Institute (EFAS, EFS, BASE) Programs, Renison University College
- 2017 Hiring Committee, Manager of International Agreements, Waterloo International
- 2016-17 Course Evaluation Project Team
- 2016 Faculty mentor accompanying three UW students chosen to attend COP22, the UN Climate Change Conference, Marrakech, **Morocco**
- 2015 TEDxUW Speaker Coach
- 2014 Internal member of Program Review Team, Legal Studies
- 2013 Academic Interviewing Panel (presenter), Centre for Career Action workshop
- 2008-11 Faculty-at-large representative, Academic Senate
Senate Long Range Planning Committee, 2010-2011
Senate Finance Committee, 2008-2010
- 2005-06 Campus Council on Community and Diversity, University of California at Davis
- 1993-94 Undergraduate representative (elected), Academic Senate, U. Guelph

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b. Faculty

- 2016- Associate Dean, Undergraduate Studies
Chair, Undergraduate Studies Committee (UGSC)
Chair, Faculty Petitions Committee
Member, Environment Executive Committee and Administrative/Dean's Group
Member, Faculty Council
Chair, Valedictorian Selection Committee
- 2018 Chair, Search committee for Recruitment and Student Engagement Coordinator, Faculty of Environment
- 2017 Chair, Faculty Advisory Committee on Appointments/Environment Lecturer Selection Committee (2 new positions)
- 2017 Search committee for Administrative and Faculty Exchange Coordinator (new position), Faculty of Environment
- 2015 Chair, Faculty Committee on Student Appeals
Judge, Faculty of Environment Heats, 3-minute Thesis (3MT) competition
- 2014 Search committee for Sustainability Coordinator, Dean of Environment office
- 2012-13 Selection committee for interdisciplinary position, Center for Knowledge Integration (2 hires)
- 2011-13 Member, Undergraduate Studies Committee
- 2010-11 Dean of Environment nominating committee
- 2006, 2011 Waterloo Unlimited session for Grade 12 students
- 2008-09 Selection committee for philosophy position, Center for Knowledge Integration
- 2007-08 Seminar series organizer
- 2006-08 Colloquium committee
- 2006-07 Representative, Applied Health Sciences Faculty Council
- 1993-94 Dean search committee, College of Biological Science, U. Guelph

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c. Department/school

- 2015-16, 2010-13 Undergraduate Affairs Committee
- 2006-15 Chaired seven MES thesis defenses
- 2011-13 Associate Chair, Undergraduate (and interim from July-August, 2010)
- 2012 Departmental Tenure and Promotion Committee
- 2011 Search committee for water policy position
- 2011 SSHRC PhD proposals evaluation committee
- 2009,'10,'13 Member of ERS Faculty Performance Review Committee
- 2007 Drafted successful proposal for ERS's PhD program in Social and Ecological Sustainability
- 1996-97 Vice-President, Botany Graduate Student's Association, Department of Botany, U. Toronto
- 1995-97 Steward, Canadian Union of Public Employees, Department of Botany, U. Toronto

2. Other university service and involvement

- 2003 Undergraduate academic mentor, UCSB
- 2002-03 Dissertation support group leader, UCSB
- 1990-94 Varsity Swimming Team, U. Guelph

3. Community service

- 2016- Advisory Council, Couchiching Conservancy
- 2011-16 Board of Directors, Invasive Species Centre
Chair (elected), 2014-16
- 2007-14 Board of Directors, Ontario Nature
President (elected), 2010-12
Vice-President (elected), 2008-10
Past-President, 2012-14
- 1990-2013 Nature tour leader
Canadian Council on Ecological Areas
Ontario Nature/Federation of Ontario Naturalists (four times)

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Field Botanists of Ontario (twice)
13th North American Prairie Conference
UC Davis Nature Reserve (twice)

- 1995-98 Board of Directors, World Wildlife Fund Canada
- 1989-90 Board of Directors, Essex County Field Naturalists' Club

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F. Professional Activities

1. Positions held or service to professional societies

- 2011-18 Associate editor, *Diversity and Distributions*
- 2017-18 Program committee, Species range extensions and local adaptation: Challenging ecological and evolutionary ideas and assumptions, Bariloche, **Argentina**
- 2010-15 Associate editor, *Journal of Environmental Studies and Sciences*
- 2014 Invited chair, “Framing and metaphors in climate change communication,” Changing climate change communication: A conference on the interactions between culture, society and language in the context of global warming. VU University Amsterdam, **The Netherlands**.
- 2010-12 Editorial board, *Language and Ecology* (online journal)
- 2008 Associate editor, *Biological Invasions*
- 2006 External reviewer of nominee for national J. Stan Rowe award, Canadian Botanical Association
- Organized session, “Future directions in the study of biological invasions” at Future Directions in Biology Studies (FDIBS) meeting, Indiana University, Bloomington, IN
- 2006-07 Student Advisory Committee, International Society for the History, Philosophy and Social Studies of Biology (ISHPSSB)
- 2003-07 Education committee, ISHPSSB

2. Refereeing

a. Tenure and promotion cases

- 2018 University of Toronto (promotion to Full Professor)
- 2014 University of Victoria (promotion to Associate Professor with tenure)

b. Journal articles, book chapters, and book proposals

Alternatives

Ambio

American Journal of Botany

Annals of Botany

Biodiversity and Conservation

Biological Conservation

Biological Invasions

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BioScience
Biotropica
Botany (and former *Canadian Journal of Botany*)
Canadian Entomologist
Canadian Field-Naturalist
Canadian Geographer
Canadian Journal of Forest Research
Canadian Journal of Plant Science
Canadian Journal of Urban Research
Climatic Change
Conservation Biology
Conservation & Society
Diversity and Distributions
Ecological Monographs
Ecological Research
Environmental History
Environmental Management
Environmental Reviews
Environmental Values
Ethics, Policy & Environment
F1000Prime Reports
Forestry Chronicle
Frontiers in Ecology and the Environment
Geografiska Annaler B: Human Geography
Global Environmental Change
Global Environmental Politics
International Journal of Plant Sciences
Journal for Nature Conservation
Journal of Applied Ecology
Journal of Business Ethics
Journal of Ecology
Journal of Economic Entomology
Journal of Environmental Studies and Sciences
Journal of Religion and Popular Culture
Journal of the Torrey Botanical Society
Land Use Policy
Language and Ecology
Leisure/Loisir
Life Sciences, Society and Policy
Nature + Culture
Oikos
Oxford University Press (cover blurb)
PLOS ONE
Policy Sciences
Proceedings of the Royal Society B: Biological Sciences
Routledge (book proposal and cover blurb)

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Society and Natural Resources

Springer (chapter and book proposal)

Transactions of the Institute of British Geographers

Urban Forestry & Urban Greening

Wiley-Blackwell (chapter and encyclopedia entry)

WIREs Climate Change

c. Grant applications

2015 Israel Science Foundation

NSERC Collaborative Research and Development Grant

2014 Decision, Risk, and Management Sciences program, National Science Foundation (U.S.)

2013 Economic and Social Research Council (ESRC, U.K.): 2 proposals

2012 Netherlands Organisation for Scientific Research, Division of Social Sciences

2007 Invited to workshop to develop Genome Canada's Strategic Research Theme on GE3LS (genomics and ethics, environment, economics, law and society) – Policy and Knowledge Transfer, Ottawa, ON

2006 Science and Society directorate, National Science Foundation (U.S.)

3. Consulting and other external activities/employment

2011 Feedback on regulatory option/risk management document for the Canadian Food Inspection Agency (CFIA)

2010 Biodiversity advisory committee, *Alternatives* journal

Planning meeting for incipient provincial Early Detection Rapid Response (EDRR) team for novel invasive species arriving in Ontario

2009 Expert advice to the Honourable Donna Cansfield, Minister of Natural Resources (MNR), regarding issuance of a permit to the Ministry of Transportation under clause 19(2)(d) of Ontario's Endangered Species Act (2007) to allow habitat of listed species to be lost

2007 Invited external reviewer for draft report on "Invasive Alien Plants in Canada" by Canadian Food Inspection Agency, Ottawa, ON

Consultant, Parks Canada, Leamington, ON

1994, 2006 Consultant, City of Windsor, Windsor, ON

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- 1998 Consultant, Federation of Ontario Naturalists, Don Mills, ON
- 1988-96 Consultant, Terra Geographical Studies, Inc., Port Stanley, ON
- 1995 Consultant, Regional Municipality of Ottawa-Carleton, Ottawa, ON
- 1994 Consultant, Ontario Ministry of Natural Resources, Kemptville, ON
- Consultant, City of London/Upper Thames River and Kettle Creek Conservation Authorities, London, ON
- 1991-92 Biologist, Ontario Ministry of Natural Resources/Ontario Heritage Foundation, Aurora, ON
- 1989-90 Consultant, Ontario Ministry of Natural Resources, London, ON
- 1988 Field Assistant, Summer Experience Program '88, Ontario Ministry of Natural Resources, Pelee Island, ON
- 1987-90 Field Assistant, World Wildlife Fund, Toronto
- 1987 Field Assistant, Environment Canada, Point Pelee National Park, Leamington, ON

4. Media

- Jan. 29, 2015 “Larson to address conservancy meeting,” *Orillia Packet and Times* article
- Sep. 18, 2014 “For trees under threat, flight may be the best response,” Interviewee and research in Palmer and Larson (2014) reported in *New York Times* article (by Carl Zimmer)
- Winter 2012/13 “Alien. Exotic. Dangerous,” 6-page article in *ON Nature* magazine presenting my view of invasive species (by Lorraine Johnson)
- Oct. 19, 2012 “The ethical implications of assisted migration,” CBC Radio, *The Current* (interview with my post-doc reporting on our research)
- Oct. 16, 2012 “Invasive plants a growing problem,” *Guelph Mercury* article on a keynote lecture given in Guelph
- May 6, 2011 “Rats threatening Haida Gwaii targeted for eradication,” Interviewee in *Globe and Mail* article
- Apr. 14, 2010 “UW professor expands on natural world, biodiversity,” *Stratford Beacon-Herald* article on a lecture given in Stratford, ON