

JOSHUA MORSE

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EDUCATION

- University of Vermont** (Burlington, VT) 2017-Present
Candidate, PhD. In Natural Resources
Advisor: Rachelle Gould (Cultural Ecosystem Services)
- Yale School of Forestry & Environmental Studies** (New Haven, CT) 2015-2017
Masters of Environmental Science
Advisor: Susan Clark (Policy Sciences)
- Oberlin College** (Oberlin, OH) 2008-2012
Bachelor of Arts, Biology with High Honors
Advisor: Mary Garvin (Biology)

CLASSROOM TEACHING EXPERIENCE

- University of Vermont**, Co-Instructor Fall 2018 - Present
EVST 195: Non-Material Values of Ecosystems.
NR 205: Ecosystems Management: Integrated Science, Sociology, and Policy (Online)
- University of Vermont**, Guest Lecturer (1 or more class sessions) Fall 2019 - Present
NR 001: Natural History & Human Ecology – 180 students
GEOG 186: Qualitative Research Methods – 16 students
NR 205: Ecosystems Management – 87 students
- Randolph Union High School AP Biology Class**, Guest Educator (2 class sessions) Fall 2019
Green Mountain Coydogs: Ecology & Social Context of Vermont's Coyotes
- Northfield Middle-High School STAR Program** Guest Educator (3 class sessions) Spring 2018
Coyote Stories: Using Environmental Education & Narrative Citizen Science
To Discover Vermonters' Values Surrounding Wildlife Management
- University of Vermont**, Teaching Assistant 2017 - 2019
WFB 174: Wildlife Management Plans
NR 205: Ecosystems Management: Integrated Science, Sociology, and Policy
- Yale University Department of Environmental Studies**, Teaching Fellow Spring 2017
Environmental Studies 348: Yellowstone and Global Change

- Franklin Land Trust**, Volunteer Coordinator 2012 - 2015
Designed and delivered 10-hour stewardship skills curriculum to 32 volunteers.
- Oberlin College Department of Biology**, Teaching Assistant Spring 2012
Biology 101: Ecology and Evolution, Lab Section

UNDERGRADUATE MENTEES

- Maggie Lee**. 2019 - Present. Research Student. *Coyote Stories: Using Social Citizen Science & Environmental Education to Understand Vermonters' Wildlife Values*
- Rachel Elliot**. 2019 - Present. Research Student. *Vermont Policymakers Knowledge & Applications of Cultural Ecosystem Services*
- Luke Beeson**. 2019 - Present. Research Student. *Mixed Methods Literature Review of Land Use Impacts on Water Quality: Implications for Practice*
- Ashley Bray**. 2018 - 2019. Senior Thesis Student. *How Vermonters Feel About Coyotes: Using the Cultural Ecosystem Services Framework to Evaluate Human-Wildlife Conflict*

PEER REVIEWED ARTICLES & BOOK CHAPTERS

- Morse, J.W.**, L. Barbieri, K. Brevick, D. Cottle, and C. Morgan. **In Prep**. *Nature and the Rest of Nature: Dismantling the Ontological and Epistemic Boundaries Between Humans and Living Systems as a Foundation for Interdisciplinary Theory-building and Application*. Target Publication: *People and Nature*.
- Hackenburg, D.M., A. Adams, K. Brownson, T.I. Borokini, T.M. Gladkikh, S.C. Herd-Hoare, H. Jolly, A.N. Kadykalo, E.B. Kraus, K.R. McDonough, **J.W. Morse**, S. Sandhu, N. Tugjamba, and A. Vallet. 2019. *Meaningfully Engaging the Next Generation of Ecosystem Services Specialists*. *Ecosystem Services*.
- Gould, R. K., A. Adams, and **J.W. Morse**. 2019. *Cultural Ecosystem Services: A Review of Policy Applications, Implications, and Future Directions*. *People and Nature*.
- Adams, A., and **J.W. Morse**. 2019. *Non-material Matters: A Call for Integrated Assessment of Benefits from Ecosystems in Research and Policy*. *Land Use Policy*.
- Morse, J.W.**, and S.G. Clark. 2019. *Contentious Corridors: Mapping Social Context and Problem Definition around Wyoming's Red Desert to Hoback Mule Deer Migration*. Chapter, *Human Wildlife Coexistence* (Ed. Frank, B). Cambridge University Press.
- Morse, J.W.**, and C. Ventriss. 2018. *Reflecting on Theory- Building: A Call for Empirical, Interpretive, and Confrontive Theory in Public and Environmental Affairs*. *Administrative Theory & Praxis*.
- Morse, J.W.**, A.K. Baldrige, L.M. Sargent. 2013. *Invasive Crayfish *Orconectes rusticus* (Decapoda, Camberidae) is a More Effective Predator of Substrate Nesting Fish Eggs than Native Crayfish (*O. virilis*)*. *Crustaceana* 86 (4) 387-402.

CONFERENCE PRESENTATIONS

Morse, J.W., A. Weinberg, J.N. Welch, P. Szabo. 2019. *Forest Protection & Water Quality: A Mixed-Methods Approach to Understanding What the Science Says, and How Practitioners are Using It*. Delaware River Watershed Initiative Annual Symposium. Philadelphia, PA.

Morse, J.W. 2018. *Natural Resource Policymakers' Understanding and Applications of Cultural Ecosystem Services*. A Community on Ecosystem Services Conference. Washington, D.C.

Morse, J.W. 2017. *Mapping the Social Context Underlying Wyoming's Red Desert to Hoback Mule Deer Migration*. Poster. Jackson Hole Wildlife Symposium. Jackson, WY.

Morse, J.W., R. Whelan, S. Bonner, A. Halperin, M. Garvin. 2012. *Volatile Compounds in Gray Catbird (Dumetella carolinensis) Uropygial Secretion Influence the Attraction of the Mosquito Culex pipiens*. Poster. North American Ornithological Conference. Vancouver, BC.

Morse, J.W., J. Biberhoffer, A. Gorman, P.K. Kocovsky, T. MacDougall, S.D. Mackey, J. Markham. 2011. *Limited Spawning Habitat Poses Obstacles to Lake Trout Rehabilitation in Lake Erie*. Poster. American Fisheries Society. Seattle, WA.

Morse, J.W., A. Baldrige, L. Sargent. 2010. *Quantifying and Comparing the Feeding Behavior of Orconectes virilis and Orconectes rusticus on the Eggs of Bluegill Sunfish (Lepomis macrochirus)*. Oral presentation. University of Notre Dame Summer Research Symposium. Notre Dame, IN.

Morse, J.W., J. Biberhoffer, A. Gorman, P.K. Kocovsky, T. MacDougall, S.D. Mackey, J. Markham. 2010. *Constructing a Multi Scale Database to Identify Spawning Habitat for Lake Trout in Lake Erie*. Oral presentation. International Association of Great Lakes Research. Toronto, ON.

PUBLIC PRESENTATIONS

Morse, J.W. 2019. *Coyote Stories: Using Citizen Science to Uncover Vermonters' Wildlife Values*. Cold Hollow to Canada Woodlots Program Meeting(s). Montgomery, Richford, and Enosburg, V.T.

Morse, J.W. 2019. *Coming Out as a Hunter: Exploring Queer Identity in the Hunting Community*. Vermont Department of Fish & Wildlife Department Day Keynote. Groton, V.T.

THESES & WHITE PAPERS

Morse, J.W., and A. Weinberg. 2019. *Water Quality Protection Programs: Insights from Six Eastern United States Cases*. Report. Open Space Institute.

Morse, J.W., J. N. Welch, A. Weinberg, and P. Szabo. 2018. *Literature Review: Forest Cover & Water Quality – Implications for Land Conservation*. Report. Open Space Institute.

Gentry, B.S., S. Clark, C. Kelly, and **J.W. Morse**. 2017. *Land Conservation in a Changing Climate: Stewardship Science and Financing*. Report. Yale Berkley Program on Strategies for the Future of Conservation.

Clark, F., M. Downey, W.S. Ferris, J. Fish, P. Grima, D. Hutcheson, **J.W. Morse**, W. Petersen, M. Servison, S. Sylvester, J. Walsh, A.W. Hunter. 2014. *Birds with Silviculture in Mind*. MA Audubon Society, Forestry Tool Kit.

Morse, J.W., A. McKenna-Foster, J. Blythe, L. Perrotti. 2012. *American burying beetle (Nicrophorus americanus) survey on Nantucket Island, MA (2012)*. Maria Mitchell Association, Technical Report to U.S. Fish and Wildlife Service.

Morse, J.W. 2012. *Inferring the Spawning Habitat Preference of Stocked Lake Trout (Salvelinus namaycush) in Lake Erie*. Undergraduate Honors Thesis. Department of Biology, Oberlin College.

POPULAR PRESS

Morse, J.W. In Review. *Out in the Backcountry*. Modern Huntsman.

Morse, J.W. 2019. *Queer Taxonomy*. Field Notes.

Morse, J.W. 2019. *Winter Waning*. Sage Magazine.

Morse, J.W. 2018. *A Different Kind of Map: Social Science Research Reveals Migration's Human Dimensions*. Western Confluence.

Morse, J.W. 2018. *Posted and Patrolled*. Sage Magazine.

Bridge, S., and **J.W. Morse**. *A Lesson in Environmental Leadership*. Wellesley Townsman. 11 December 2014.

Hornung, M., and **J.W. Morse**. *Commentary: Town Needs to Seek a Conservation Solution*. Wellesley Townsman. 17 October 2014.

Morse, J.W. *Zugunruhe*. Headwaters Magazine. Issue 3. Spring 2012.

Morse, J.W. *Phenology of Oberlin Springtime Reveals Changes for Wildlife, Graduates*. Oberlin Review. 27 April 2012.

Morse, J.W. *Letter to the editor: 9/11 Inspires Student Patriotism and Celebration*. New York Times. 8 May 2011.

RADIO & PODCAST

Morse, J.W. & N. Meier. 2019. [Adult Onset Hunting](#). The David Gram Show on WDEV.

Morse, J.W. 2019. [The Social Landscape of Wildlife Migration](#). Right to Roam Podcast.

PROFESSIONAL EXPERIENCE

Consultant. The Open Space Institute. New York, NY. Feb 2018-Nov 2019.

Qualitative interviews, mixed methods literature review, and case compilation to make a comprehensive assessment of the state of science practice in land conservation approaches to water quality protection.

Research Assistant. Public Affairs, University of Vermont. Burlington VT. Sept 2017-Oct 2019.

Research, copy and content editing for Dr. Curtis Ventriss' forthcoming book on public social science in the 21st century.

Research Assistant. Yale Berkley Program on Strategies for the Future of Conservation. New Haven CT. Feb 2016-Sept 2017.

Research, content drafting, copy and content editing, and production management for collection of white papers on applications of climate science to land stewardship and conservation finance.

Research Assistant. Yale School Forests. New Haven CT. Sept 2015-Present.

Strategic planning and outreach for a multi-landowner conservation project in eastern Connecticut. Organizing landowner meetings, liaising with agency staff, ArcGIS scoping.

Land Steward. Franklin Land Trust. Shelburne MA. Jul 2014-Jul 2015.

Assistant Land Steward, Aug 2013-Jul 2014.

AmeriCorps Land Steward, Sept 2012-Aug 2013.

Established volunteer easement monitored volunteer easement monitoring program, expanding its membership by 30% and monitoring effort by 100% between 2012 and 2014. Conducted fieldwork, GIS mapping, drafting, and deed research for conservation easement baseline report documents and annual moout Unlimited and Cole Ecological to conserve coldwater fisheries.

Natural Science Intern. Maria Mitchell Association. Nantucket MA. May-Aug 2012. Full time.

Conducted fieldwork, lab work, and data analysis and reporting for American burying beetle population assessment. Assisted with fieldwork for snake, odonate, and raptor population studies.

BOARD MEMBERSHIPS & PEER REVIEW SERVICES

Backcountry Hunters & Anglers, New England Chapter. Vermont Leadership Team. 2019-Present

ECHO Leahy Center for Lake Champlain. Graduate Student Board Fellow. 2018-Present

Rubenstein School Student Government. Speaker Series Coordinator. 2018

Wildside Cottage and Garden. Board Member. 2014-2017

Current Opinion in Environmental Sustainability. Reviewer.

Journal of Great Lakes Research. Reviewer.

RESEARCH & SCHOLARSHIP FUNDING

Research Total: \$36,472

Scholarship Total: \$49,500

National Geographic Early Career Educator Grant, 2019 (\$7,400)
James M. Jeffords Fund Program for Policy Studies Grant, 2019 (\$11,547)
Gund Institute Research Grant, 2019 (\$575)
Cold Hollow to Canada Small Grant, 2019 (\$350)

Rubenstein School Graduate Association Mini-Grant, 2018 (\$200)
Vermont Trapper's Association Small Grant, 2018 (\$500)
Gund Institute Research Grant, 2018 (\$1,200)
Gund Institute Travel Grant, 2018 (\$400)

University of Vermont Graduate Student Senate Mini-Grant, 2017 (\$300)
Rubenstein School Travel Grant, 2017 (\$300)

Knobloch Foundation Discretionary Grant, 2016 (\$3,000)
UCross Western Research Fellowship, 2016 (\$1,000)
Berkley Conservation Scholarship, 2016 (\$6,000)
Yale School of Forestry & Environmental Studies Fellowship, 2016 (\$19,000)

Alumni Fellowship, Oberlin Alumni Office, 2015 (\$5,000)
Evelyn Mooney Scholar, National Garden Clubs, 2015 (\$4,000)
Mary M. Conley Scholar, Garden Club Federation of Massachusetts, 2015 (\$1,000)
Yale School of Forestry & Environmental Studies Fellowship, 2015 (\$14,000)

James Z. Naurison Scholarship Community Foundation of Western Massachusetts, 2014 (\$1,000)

AmeriCorps Segal Education Award, 2013 (\$5,500)

International Association of Great Lakes Research Paul W. Rodgers Scholarship, 2011 (\$2,500)
Doris Baron Environmental Studies Fellow, 2011 (\$700)

Doris Baron Environmental Studies Fellow, 2010 (\$500)

ACADEMIC & PROFESSIONAL AWARDS

2019

Rubenstein School Outstanding Community Service by a Graduate Student – *annual award from the Dean's office, received in 2019 for participation in the inaugural Rubenstein School graduate board fellows program, in partnership with the ECHO Leahy Center.*

2018

Fellow, A Community on Ecosystem Services – *competitive fellowship awarded to outstanding early career researchers in the ecosystem services field.*

2012

Sigma Xi Inductee – *nominated by Oberlin College Biology faculty for membership in recognition of research accomplishments.*

Norman H. Wright Prize – *awarded to an outstanding graduating biology major by the Oberlin College Biology faculty.*

2011

American Fisheries Society Best Student Poster Competition, 3rd Place – *awarded to a student sharing original research at the AFS poster session for quality of presentation.*