

KIM C. DIVER

Associate Professor of the Practice
Earth & Environmental Sciences
Wesleyan University
265 Church Street, Middletown, CT 06459
kdiver@wesleyan.edu
860-685-2610

EDUCATION

- June 2004 **Ph.D., Geography**, Syracuse University (Syracuse, New York)
Dissertation: “Biogeography of Island Flora in the Georgian Bay, Lake Huron, Ontario”
Advisor: Dr. Jacob Bendix
- June 1998 **M.A., Geography**, Syracuse University
Thesis: “A State of Mind, A State of Place: The Geography of Marlboro Country”
Advisor: Dr. Jacob Bendix
- May 1996 **B.A., Geography and Graphic Design**, Carthage College (Kenosha, Wisconsin)
summa cum laude, All-College Honors, and Departmental Honors
Honors research thesis: “Images of Transformation: Beyond the Scale of Human Time. A Repeat Photography Analysis of Landscape Change in Racine, WI, 1898-1996”
Advisor: Judith L. Meyer

PROFESSIONAL CERTIFICATION

- 2012–present **GISP** (GIS Professional), GIS Certification Institute

ACADEMIC POSITIONS

- 7/2018–present **Associate Professor of the Practice**, Department of Earth & Environmental Sciences and affiliations with College of the Environment and Quantitative Analysis Center, Wesleyan University, Middletown, Connecticut
- 7/2015–7/2018 **Assistant Professor of the Practice**, Department of Earth & Environmental Sciences and affiliations with College of the Environment and Quantitative Analysis Center, Wesleyan University
- 8/2010–5/2015 **Visiting Assistant Professor**, Department of Earth & Environmental Sciences and affiliation with College of the Environment, Wesleyan University
- 8/2012–12/2012 **Adjunct Lecturer**, Department of Biology & Environmental Science, University of New Haven, West Haven, Connecticut
- 7/2011–7/2014 **Research Scientist**, Center for Environmental Sciences & Engineering (CESE), University of Connecticut, Storrs, Connecticut
- 9/2010–12/2011 **Visiting Assistant Professor**, Environmental Science Program, Trinity College, Hartford, Connecticut
- 8/2007–1/2013 **Visiting Scientist**, Smithsonian Tropical Research Institute, Republic of Panama
- 7/2004–6/2007 **Visiting Assistant Professor**, McPhail Center for Environmental Studies, Denison University, Granville, Ohio
- 8/2002–6/2004 **Visiting Instructor**, Department of Geography, DePaul University, Chicago, Illinois
- 1/2000–7/2002 **Future Professoriate Program Teaching Associate**, Department of Geography, and **Research Associate**, Center for Environmental Policy & Administration, Syracuse University, Syracuse, New York
- 8/1996–12/1999 **Teaching Assistant**, Department of Geography, Syracuse University

RESEARCH GRANTS

Current Active Support

- 4/2021–4/2022 **Principal Investigator / Project Director**, “Rising waters, shrinking habitats: the influence of fluctuating water levels on the geology and ecology of a Great Lakes archipelago”
- Keck Geology Consortium (\$38,500); funded by NSF-REU Award 1659322, “Keck Geology Consortium: Undergraduate Research Pathways That Broaden and Strengthen the Geosciences,” Principal Investigators Drs. C. Davidson and K. Wirth.
- 7/2020–6/2022 **Principal Investigator**, “The influence of fluctuating water levels on island area, isolation, and vegetation patterns in a Great Lakes archipelago”
- Wesleyan University GISOS Project Support (\$4,000)
- 7/2017–present Wesleyan University, Earth & Environmental Sciences, Smith Fund (~\$9,000)

Completed Support

- 1/2016–5/2017 **Principal Investigator / Project Director**, “Dendrochronological analysis of insular forest stands in relation to climate and water-level fluctuations in the Great Lakes”
- Keck Geology Consortium (\$18,750); funded by NSF-REU Award EAR-1062720 and ExxonMobil Foundation, “The Keck Geology Consortium: Providing Collaborative and Year-long Research Experiences for Undergraduates,” Principal Investigator Dr. R. Varga (Subaward no. 6069-2013-04)
 - Wesleyan University, Earth & Environmental Sciences, Smith Fund (\$3,690)
 - Wesleyan Grants in Support of Scholarship (GISOS) Project Support (\$2,500)
 - Wesleyan University GISOS Faculty-Student Internship (\$3,600)
- 7/2015–6/2017 **Principal Investigator**, “Potential effects of water-level changes on island ecosystems: A GIS spatiotemporal analysis of shoreline configuration”
- Wesleyan University GISOS Project Support (\$3,500)
- 6/2014–7/2014 **Principal Investigator**, “Ash decline versus hydrofracking: human-environment interactions, habitat fragmentation and public perception”
- Wesleyan University Quantitative Analysis Center Summer 2014 Research Apprenticeship Program (\$4,000 student stipend)
- 5/2013–5/2014 **Principal Investigator / Project Director**, “Potential effects of water-level changes on island ecosystems: A GIS spatiotemporal analysis of shoreline configuration”
- Keck Geology Consortium (\$18,500); funded by NSF-REU Award EAR-1062720 and ExxonMobil Foundation, “The Keck Geology Consortium: Providing Collaborative and Year-long Research Experiences for Undergraduates,” Principal Investigator Dr. R. Varga (Subaward no. 6069-2013-04)
 - Wesleyan University, Earth & Environmental Sciences, Smith Fund (\$2,000)
- 6/2010–11/2012 **Co-Principal Investigator**, with Dr. A. Ibáñez, “Diversity, spatial distribution, and conservation of the flora in the Coiba National Park and Special Zone of Marine Protection World Heritage Site”
- SENACYT – Secretaría Nacional de Ciencia, Tecnología e Innovación (\$48,000)
 - Conservation Research and Education Opportunities International (CREOI) supplemental research award (\$2,600)
 - Wesleyan University, Earth & Environmental Sciences, Smith Fund (\$2,000)
- 7/2011–2/2012 **Principal Investigator**, “Investigation of spatiotemporal distributions of invasive non-native plant species on islands: field-based research aimed at conservation and undergraduate training”
- Conservation, Research, and Education Opportunities International (\$6,255)
 - Wesleyan University, Earth & Environmental Sciences, Smith Fund (\$2,000)
 - Trinity College, Dean’s Office and Science Center, Student Travel Award for W. Martin-Black (\$500)

- 1/2008–12/2009 **Co-Principal Investigator**, with Dr. M. Balunas, “Diversity and distribution of marine natural products active against tropical diseases”
- Association of American Geographers Anne White Fund (\$1,760)
 - Smithsonian Tropical Research Institute Supplemental Research Award (\$1,080)
- 5/2006–9/2006 **Principal Investigator** / Denison University Undergraduate Summer Research Advisor, “Spatial variability of non-native plant species richness on islands in the Georgian Bay, Ontario”
- Anderson Summer Research Assistantship (\$1,000 equipment budget, \$3,300 student stipend)
 - Howard Hughes Medical Institute Early Research Experience in the Sciences (\$1,000 equipment budget, \$3,300 student stipend)
 - Battelle Memorial Institute Research Awards (\$650 for each student)
- 1999–2004 Doctoral Dissertation Research
- National Science Foundation Doctoral Dissertation Improvement Grant (\$10,000)
 - Maxwell Dean’s Dissertation Fellowship, Department of Geography and Maxwell School of Citizenship & Public Affairs, Syracuse University (\$12,000)
 - Association of American Geographers Dissertation Research Grant (\$500)
 - Association of American Geographers Biogeography Specialty Group Graduate Research Grant (\$200)
 - Sigma Xi The Scientific Research Honor Society Grant-in-Aid-of-Research (\$600)
 - Syracuse University Graduate School Summer Research/Creativity Grant (\$1,350)
 - Summer Research Fellowship, Department of Geography, Syracuse University (two summers at \$550 each)
 - Roscoe-Martin Award, Maxwell School of Citizenship & Public Affairs, Syracuse University (\$430)
 - Graduate School Travel Grant, Syracuse University (\$650)
- 1997–1998 Master’s Thesis Research
- Roscoe-Martin Award, Maxwell School of Citizenship & Public Affairs, Syracuse University (\$200)
 - Summer Research Fellowship Department of Geography, Syracuse University (\$550); for archival research, National Museum of American History, Smithsonian Institute, Washington D.C.
 - Graduate School Travel Grant, Syracuse University (\$650)

PEDAGOGICAL GRANTS (Wesleyan University unless otherwise specified)

Current Active Support

- 9/2018-present Academic Affairs: GIS Assistant Program student stipends (\$2,250 per semester)
 7/2020–6/2021 GISOS Support for Professional Development (\$750)

Completed Support

- Fall 2019 GISOS Support for Meetings (\$90)
 7/2019–6/2020 GISOS Support for Professional Development (\$750)
 7/2019–5/2020 Creative Campus Initiative Award, Center for the Arts (\$500)
 7/2018–6/2019 GISOS Support for Professional Development (\$750)
 7/2017–6/2018 GISOS Support for Professional Development (\$750)
 7/2016–6/2017 GISOS Support for Professional Development (\$750)
 Fall 2016 GISOS Support for Meetings (\$1,500)
 7/2015–6/2017 GISOS Teaching and Pedagogy: “Project-based Learning in the GIS Curriculum” (\$3,000)
 Spring 2016 GISOS Support for Meetings (\$435)
 7/2015–6/2016 GISOS Support for Professional Development (\$750)

Fall 2015	GISOS Support for Meetings (\$1,500)
Spring 2014	Academic Affairs (co-authors Drs. P. Resor and P. Wagoner): Procurement of GPS receivers for cross-campus course use (\$10,995)
1/2014–6/2015	Allbritton Center for the Study of Public Life: GIS Working Group Collaborative Project Grant (\$7,955)

HONORS AND AWARDS

2011	National Science Foundation Panamerican Advanced Studies Institute Fellowship
2010	The American Geographical Society McColl Family Fellowship
2008	Henry C. Cowles Award for Excellence in Publication, Biogeography Specialty Group, Association of American Geographers: “Not as the crow flies: assessing effective isolation for island biogeographical analysis”
2008	Promotion to full member, <i>Sigma Xi</i> , The Scientific Research Honor Society
2006	J. Warren Nystrom Award Finalist, Association of American Geographers
2005	Certificate in University Teaching, Preparing Future Faculty and Future Professoriate Programs, Graduate School, Syracuse University
2001	Outstanding Teaching Assistant Award, Graduate School, Syracuse University
1995	<i>Gamma Theta Upsilon</i> , The International Geographical Honor Society
1995	Frank and Ruth E. (Wuerzberger) Vorpahl Award, Department of Geography, Carthage College
1992–96	Presidential Scholarship, Carthage College

PUBLICATIONS

Peer-Reviewed Publications (KD is corresponding author on all; * denotes student co-author)

- Kaplan, A.W., Diver, K.C, Sandin, K.J., & Mill, S.K*. 2019. Homeless interactions with the built environment: A spatial pattern language of abandoned housing. *Urban Science*, 3, 1-15.
- Kyne*, A. & Diver, K.C. 2012. Climate change and autumn colors in New England’s forests. *The Northeastern Geographer*, 4, 34-53.
- Diver, K.C. 2010. Beyond area and isolation: forest dynamics and change in plant species richness patterns on islands. *Annals of the Association of American Geographers*, 100, 1110-1127.
- Diver, K.C. 2008. Not as the crow flies: assessing effective isolation for island biogeographical analysis. *Journal of Biogeography*, 35, 1040-1048.

In Late-Stage Preparation

- Diver, K.C., Domínguez, J.*, Ibáñez, A. Potential effects of sea-level rise on area, habitat heterogeneity, and vascular plant species richness of islands off the coast of Panama. *Diversity and Distributions*.
- Diver, K.C., Ibáñez, A. Patterns and predictors of insular flora: Coiba National Park, Panama. *Frontiers of Biogeography*.
- Diver, K.C. Not all plants are created equally: support for a species-based approach in island biogeography. *Global Ecology and Biogeography*.
- Diver, K.C. & J. Simms. Story maps in the classroom. *Journal on Excellence in College Teaching*.
- Diver, K.C, S. Gromek, & M. Balunas. An effective, low-cost method for collecting glacial psychrophiles for natural products research. *Journal of Microbiological Methods*.

Edited Proceedings and Reports (* denotes student co-author)

- Diver, K. 2018. Final report: Dendrochronological analysis of insular forest stands in relation to climate and water-level fluctuations in the Great Lakes. Submitted to Ontario Parks, Central Zone, 7 pp.
- Diver, K. 2017. Dendrochronological analysis of insular forest stands in relation to climate and water-level fluctuations in the Great Lakes. In *Proceedings of the Thirtieth Annual Keck Research Symposium in Geology* (R. Varga, ed.), 7 pp.

- Diver, K. 2014. Potential effects of water-level changes on island ecosystems: a GIS spatiotemporal analysis of shoreline configuration. In *Proceedings of the Twenty-Seventh Annual Keck Research Symposium in Geology* (R. Varga, ed.), 7 pp.
- Diver, K. 2013. GIS-based service learning at Wesleyan University: contributing to the quality of open space in South central Connecticut. *GeoFocus*, 6, 6.
- Diver, K. 2013. Annual performance report for project potential effects of water-level changes on island ecosystems: a GIS spatiotemporal analysis of shoreline configuration. Submitted to NSF, 3 pp.
- Ibáñez, A & K. Diver. 2012. Informe final del proyecto diversidad, distribución espacial y conservación de la flora en el Sitio de Patrimonio Natural de la Humanidad Parque Nacional Coiba y áreas de su zona de amortiguamiento. Submitted to SENACYT, 24 pp. plus appendices.
- Ibáñez, A & K. Diver. 2012. Segundo informe técnico del proyecto diversidad, distribución espacial y conservación de la flora en el Sitio de Patrimonio Natural de la Humanidad Parque Nacional Coiba y áreas de su zona de amortiguamiento. Submitted to SENACYT, 33 pp. plus appendices.
- Diver, K. 2012. Investigation of spatiotemporal distributions of non-native plant species on islands. Submitted to the Ontario Ministry of Natural Resources, 70 pp.
- Ibáñez, A & K. Diver. 2011. Informe técnico del proyecto diversidad, distribución espacial y conservación de la flora en el Sitio de Patrimonio Natural de la Humanidad Parque Nacional Coiba y áreas de su zona de amortiguamiento. Submitted to SENACYT, 45 pp. plus appendices.
- Diver, K., M. Balunas, L. Strassman*, & S. Williams*. 2006. Spatial variability of non-native plant species richness on islands in The Massasauga Provincial Park. Interim Report to Ontario Parks, Central Zone, 6 pp.
- Speer, J.H., S. Authement, P. Brose, K. Diver, B. Long, J. Rentch & J. Rubbo. 1999. Stand dynamics of a beech (*Fagus grandifolia* Ehrh.) – maple (*Acer saccharum* Marshall) forest on Spruce Mountain, WV: patterns of establishment, disturbance, and decline. In *10th North American Dendroecological Fieldweek*, eds. P.M. Brown and Krusic, P.J. Spruce Knob Research Station, Spruce Knob, West Virginia, June 5-13, 1999 Final Report.

Published Abstracts (* denotes student co-author)

- Diver, K., J. Domínguez* & A. Ibáñez. 2012. Potential effects of sea level rise on island biodiversity in the Coiba National Park archipelago, Republic of Panama. In Conference program and abstracts. International Biogeography Society 6th Biennial Meeting – 9-13 January 2013, Miami, Florida, USA (ed. by J. Hortal, K. Faller, K. Feeley, R. Field, C. Graham, F. Guilhaumon and D. Gavin), *Frontiers of Biogeography*, 4 (suppl. 1), 49. International Biogeography Society.
- Diver, K & A. Ibáñez. 2011. Lack of area-effects in predicting plant species richness in a tropical archipelago. In NESTVAL annual meeting abstracts, *The Northeastern Geographer*, 3, 151.

UNIVERSITY TEACHING EXPERIENCE

Wesleyan University (Fall 2010-present)

- New courses (initiated, developed, and taught):
 - Mapping the Pandemic (E&ES 271 / QAC 232)
 - Digital Storytelling with Maps: Science Stories (E&ES 130 first-year seminar)
 - Introduction to (Geo)Spatial Data Analysis and Visualization (QAC 231)
 - Advanced GIS and Spatial Analysis (E&ES 380/590 / QAC 344)
 - Proseminar: GIS in Research (QAC 239)
 - Mapping by Design: GIS in the Liberal Arts (SCIE 642)
 - Environmental Quality and Human Health (E&ES 165)
- Existing courses (developed and taught):
 - Introduction to GIS (E&ES 280/580; formerly E&ES 322/522)
 - GIS Service-Learning Laboratory (E&ES 281/581; formerly E&ES 324/524)
 - Introduction to Environmental Studies (E&ES/BIOL 197)

- Landscape Ecology (E&ES/BIOL 336/536)
- Independent studies and research advisorships:
 - Individual Tutorial in Advanced GIS (E&ES 402)
 - Advanced Research Seminars, Undergraduate (E&ES 423, 424)
 - Senior Thesis Tutorial (E&ES 409, 410)
 - Advanced Graduate Research Seminar in E&ES (E&ES 549, 550)
 - Advanced Undergraduate Research Seminars in E&ES (E&ES 423, 424)
 - Senior Essay in College of the Environment (ENVS 404, 405)
 - Senior Thesis Tutorial in E&ES (E&ES 409, 410)
 - Teaching Apprentice Tutorial (E&ES 492)
- Guest lectures and co-coordinated courses:
 - Sophomore Field Seminar (E&ES 195), “Salt Marshes,” co-led one session with J. Varekamp, 2019
 - Sophomore Field Seminar (E&ES 195), “Maps,” co-led one session with P. Patton, 2017
 - Sophomore Field Seminar (E&ES 195), “Mt. Higby,” co-led one session with D. Royer, 2016
 - Advanced Research in Clinical Psychology (PSYC 397, A. May), “Applications of GIS in mental health research” guest lecture, 2019
 - Research Methods in Clinical Psychology (PSYC 211, L. Dierker), “GIS: spatial data analysis & visualization” guest lecture, 2019
 - Mapping Culture (AMST 294/MUSC 293, E. Charry), guest lecture, 2019
 - Mapping Music as/in Motion: The Cartographies and Circulation of Aural Culture (MUSC 5515, K. Galloway), “The cartography of music: spatial data analysis and visualization” guest lecture, 2018
 - Practicing Ethnomusicology (MUSC 507, K. Galloway), “Geospatial Analysis” guest lecture, 2017
 - Digital History (HIST 211, A. Williams), “Georeferencing Maps for a Story Map” guest lecture, 2015
 - Seminar in Interdisciplinary Studies: Ethnomusicology (MUSC 521, M. Slobin), “The World of GIS” guest lecture, 2014
 - Senior Seminar (E&ES 397), “Biogeography” guest Lecture, 2010 and 2013
 - Conservation Biology (BIOL 220, M. Singer), “Modernizing Island Biogeography” guest lecture, 2011

University of New Haven (Fall 2012)

- Advanced Applications of GIS (EN 643)

Trinity College (Fall 2010 – Fall 2011)

- Theory & Applications of Geographic Information Systems (ENVS 286)
- Independent Study in GIS (ENVS 399)

Denison University (Fall 2004 – Spring 2007)

- People and the Environment (ENVS 101)
- Science and the Environment (ENVS 102)
- Environmental Quality and Human Health (FYS 102)
- Introduction to Environmental Mapping (ENVS 230)
- Advanced GIS Analysis (ENVS 351)

DePaul University (Fall 2002 – Spring 2007)

- The Physical Landscape (GEO 101)
- Quantitative Reasoning (ISP 120)
- Environmental Conservation (GEO 210)
- Biogeography (GEO 211)

Syracuse University (Fall 1996 – Spring 2002)

- The Natural Environment (GEO 155), Instructor
- Guest Lecturer (two weeks): The Natural Environment (GEO 155), guest lecturer, two weeks
- Guest Lecturer (two weeks): Biogeography (GEO 555), guest lecturer, two weeks
- The Natural Environment (GEO 155), Teaching Assistant
- Environmental Politics, Pollution and Policy in the U.S. (GEO 203), Teaching Assistant

STUDENT RESEARCH SUPERVISION (Wesleyan University unless otherwise specified)

Master's Students (Advisor)

- Tessa Hill, Earth & Environmental Sciences, M.A., 2015–2017
Thesis title: Community Ecology of The Massasauga Provincial Park: Novel Approaches within Island Biogeography

Master's Students (Committee Member)

- John Hossain, Earth & Environmental Sciences, M.A., 2015–2017
Thesis title: The Role of Dip-Slip Fault Geometry on Slip Rate Estimates and Seismic Risk

Undergraduate Honors Theses and Senior Capstone Projects (Advisor)

- Katie Toner, Earth & Environmental Sciences and Environmental Studies, B.A., 6/2019–5/2020
Thesis: Effects of projected sea level rise on the island biogeography of the Coiba islands, Panama
- Will Speiser, Earth & Environmental Sciences, B.A., co-advisor, 8/2016–5/2017
Thesis: Perched pond kinematics of the 1783, Laki Lava Flow Field, Iceland
- Manon Lefèvre, Environmental Studies, B.A., 9/2013–5/2014
Capstone: Mapping contamination in the Coginchaug Watershed: possibilities and limitations of visualizing information
- Oliver James, Environmental Studies, B.A., 9/2013–5/2014
Capstone: *A Field Guide to the Birds of Wesleyan* (Stethoscope Press, 2014)
- Emilie Sinkler, Earth & Environmental Sciences and Physics, B.A., 5/2013–5/2014
Thesis: Declining water level in Lake Michigan–Huron and the effect on islands in the Massasauga Provincial Park
- Ryan Edgley, California State Polytechnic University, Geological Sciences, B.S., External Thesis Advisor, 5/2013–5/2014
Thesis: GIS approach to water–level change: potential effects of water–level changes on island ecosystems
- Alexis Jiménez, University of Panama, Geography, External Thesis Advisor, 6/2011–5/2012
Thesis: Application of the theory of island biogeography in the study of island flora in Coiba National Park and its buffer zone using GIS
- Julissa Domínguez, University of Panama, Geography, External Thesis Advisor, 3/2011–5/2012
Thesis: Use and application of GIS to analyze sea–level rise in Coiba National Park
- Amanda Kyne, Environmental Studies, B.A., 1/2011–5/2011
Capstone: Climate change and autumn colors in New England's forests

Undergraduate Theses (Reader)

- Sarah Kafer, Denison University, Environmental Studies, B.A., 4/2007
Thesis: GIS and stakeholder input for brownfield redevelopment: a case study in Newark, Ohio
- Melissa Kennedy, Denison University, Environmental Studies, B.A., 4/2007
Thesis: Initial plant community assembly and soil variation in a central Ohio wetland

Undergraduate Research Students (Advisor)

- Jenna Otaola, Earth & Environmental Sciences '22, 2/2021–5/2021
- Leah Bournival, Mt. Holyoke College, Geography '17

- Keck Research Consortium: “A dendrochronological record of Twentieth Century water levels in Georgian Bay, Ontario, Canada” 5/2016–5/2017
- Ezra Steinfeld, Earth & Environmental Sciences ‘17
Keck Research Consortium and GISOS Faculty-Student Internship: “A GIS approach to the effects of water-level change on soil properties and tree species richness” 5/2016–5/2017
 - Matthew Kelly, Beloit College, Geology ‘17
Keck Research Consortium: “Dendrochronology and water levels as indicators of recent climate change: Georgian Bay, Lake Huron (Ontario, Canada)” 5/2016–5/2017
 - Tessa Hill, Earth & Environmental Sciences ‘16
College of the Environment Summer Research Fellowship: “Influence of overstory–understory relationships in island biogeography” 5/2015–7/2015
 - William Speiser, Earth & Environmental Sciences ‘17
College of the Environment Summer Research Fellowship: “Forest coverage digitization of islands in The Massasauga Provincial Park, Canada” 5/2016–8/2016
 - Dan Kim, Environmental Studies and Government ‘16
College of the Environment Visualizing the Environment Summer Fellowship: “Energy Frontline Communities of America” 5/2015–7/2015
 - Sam Raby, Mathematics ‘17
“Mapping cultural displacement” 1/2015–5/2015
 - Mads O’Brien, Earth & Environmental Sciences and Science in Society ‘16
Quantitative Analysis Center Summer Research Apprenticeship: “Modeling habitat degradation of the cerulean warbler using GIS: Ash tree decline and hydraulic fracturing” 6/2014–7/2014
 - Tastea Kurtu, California State University Fullerton, Geological Sciences ‘14
Keck Research Consortium: “Potential effects of water-level changes on island ecosystems: A GIS spatiotemporal analysis of shoreline configuration” 5/2013–5/2014
 - Oren Cook, Earth & Environmental Sciences ‘14
“Island biogeography of South Pond (Adirondacks)” 1/2013–5/2013
 - William Martin-Black, Trinity College, Environmental Science ‘12
“Evidence of increased island area due to low lake levels in Lake Huron: implications for plant species invasions” 9/2011–2/2012
CREOI, “Distributions of non-native plant species on islands of Georgian Bay, Ontario” 7/2011
 - Ariela Knight, Earth and Environmental Science and Psychology ‘13
CREOI: “Distributions of non-native plant species on islands of Georgian Bay, Ontario” 7/2011
 - Alex Gumpel, Biology ‘11
“Island biogeography in Coiba National Park, Panama” 3/2011
CREOI: “Distributions of non-native plant species on islands of Georgian Bay, Ontario” 7/2011
 - Scott Williams, Denison University, Environmental Studies ‘08
“Comparison of spatial variability between native and non-native plant species richness on islands in the Georgian Bay, Ontario” 5/2006–9/2006
 - Liz Strassman, Denison University, Environmental Studies ‘08
“Factors influencing species richness of native and non-native plants on 19 islands of Georgian Bay, Ontario” 5/2006–9/2006
 - Sarah (Kafer) Mill, Denison University, Environmental Studies ‘07
“Homeless interactions with the built environment” (2006-2007)

PROFESSIONAL PRESENTATIONS

Invited Seminars (* denotes student co-author)

- 2017 “Fluctuating water levels and vegetation dynamics in a Great Lakes archipelago,” Stearns Colloquium Series, Earth & Environmental Sciences Department, Wesleyan University (authors: K. Diver, T. Hill*, E. Steinfeld*, M. Kelly*, L. Bournival*, E. Sinkler*, R. Edgley*, W. Martin-Black*)
- 2017 “GIS for teaching (and research),” (K. Diver, M. Cope), Teaching Tools Buffet (January), Wesleyan University
- 2014 “Geographies of time and place: GIS in the liberal arts,” Division I Luncheon, Wesleyan University
- 2014 “Geospatial data analysis and visualization across disciplines,” Natural Sciences and Mathematics Luncheon Series, Wesleyan University
- 2013 “Geospatial data visualization and analysis using GIS,” Digital and Computational Knowledge Initiative – Philip Stern Workshop, Wesleyan University
- 2012 “Beyond area and isolation: applications of GIS in island biogeography,” Department of Geography, Westfield State University
- 2011 “Beyond area and isolation: toward a contemporary theory of island biogeography,” Department of Environmental Studies, Mount Holyoke College
- 2011 “A GIS habitat analysis for species of concern *Setophaga cerulean* (cerulean warbler) in relation to potential disturbance due to hydrofracking and ash decline,” Environmental Studies Program, Hobart and William Smith Colleges
- 2011 “Beyond area and isolation: toward a contemporary theory of island biogeography,” Environmental Studies Program, Hobart and William Smith Colleges
- 2010 “Beyond area and isolation: island biogeography of nearshore archipelagos,” Stearns Colloquium Series, Earth and Environmental Sciences Department, Wesleyan University
- 2008 “Spatial patterns of homicide crimes in Panama: an ArcGIS introduction,” INDICASAT-AIP (Instituto de Investigaciones Científicas y Servicios de Alta Tecnología), Panama
- 2007 “Environmental and societal implications of sprawl in Central Ohio,” Fireside Chat Series, McPhail Center for Environmental Studies, Denison University
- 2005 “Biogeography of island flora in Massasauga Provincial Park,” Denison University Women in Science meeting, Denison University
- 2002 “Biogeography of island flora in the Georgian Bay,” Department of Geography Colloquium Series, Syracuse University

Oral Conference Presentations (* denotes student co-author, ^denotes invited presentation)

- 2019^ “Spatiotemporal patterns of reported black bear sightings in Connecticut, 2007–2019,” Connecticut GIS Day, Willimantic, CT (author: K. Diver; contributors: the 14 students in E&ES 130*)
- 2017 “Dendrochronological analysis of insular forest stands in relation to climate and water-level fluctuations in the Great Lakes,” Thirtieth Annual Keck Research Symposium in Geology, Middletown, CT (authors: K. Diver, E. Steinfeld*, M. Kelly*, L. Bournival*, T. Hill*)
- 2017 “Fluctuating water levels and vegetation dynamics in a Great Lakes archipelago,” Annual Meeting of the Association of American Geographers, Boston (authors: K. Diver, T. Hill*, E. Steinfeld*, M. Kelly*, L. Bournival*, E. Sinkler*, R. Edgley*, W. Martin-Black*)
- 2017 “The impacts of service learning in the earth and environmental sciences at Wesleyan University,” Geological Society of America Annual Meeting, Seattle (authors: S. Ptacek*, S. O’Connell, K. Diver, T.C. Ku, P.G. Resor, D.L. Royer)
- 2016 “Story maps in the liberal arts university classroom: lessons learned and future plans,” EDUCAUSE Northeast Regional Computing Program (NERCOMP) Annual Conference, Providence, RI (authors: K. Diver, J. Simms)
- 2015 “Story maps in the liberal arts university classroom: lessons learned and future plans,” Northeast

- Arc Users Group Conference, Burlington, VT (authors: K. Diver, J. Simms)
- 2014 “Community-based service-learning GIS at Wesleyan University,” Connecticut GIS Day, Middletown, CT
- 2014 “Potential effects of water-level changes on island ecosystems: a GIS spatiotemporal analysis of shoreline configuration,” Northeast Arc Users Group Spring Meeting, Amherst, MA (authors: K. Diver, R. Edgley*, E. Sinkler*)
- 2014 “Potential effects of water-level changes on island ecosystems: a GIS spatiotemporal analysis of shoreline configuration,” Twenty-Seventh Annual Keck Research Symposium in Geology, South Hadley, MA (authors: K. Diver, R. Edgley*, E. Sinkler*)
- 2013^ “Diversity, spatial distribution, and conservation of the flora in the Coiba National Park and its Special Zone of Marine Protection World Heritage Site (June 2010 – November 2012),” invited speaker, International Cooperative Biodiversity Groups (ICBG Panama) Annual Meeting, Smithsonian Tropical Research Institute, Panama
- 2013 “Using GIS to evaluate habitat loss due to sea level rise in the Republic of Panama,” Northeast Arc Users Group Spring Meeting, Amherst, MA (authors: K. Diver, J. Domínguez*, A. Ibáñez)
- 2013 “Potential effects of sea level rise on island biodiversity in the Coiba National Park archipelago, Republic of Panama,” International Biogeography Society 6th Biennial Meeting, Miami (authors: K. Diver, J. Domínguez*, A. Ibáñez); abstract published in *Frontiers of Biogeography*
- 2012^ “Update on diversity, spatial distribution, and conservation of the flora in the Coiba National Park and its Special Zone of Marine Protection World Heritage Site,” invited speaker, International Cooperative Biodiversity Groups (ICBG Panama) Annual Meeting, Smithsonian Tropical Research Institute, Panama
- 2012 “Diversidad, distribución y conservación de la flora en el Parque Nacional Coiba y su zona de amortiguamiento,” Panamanian Association for the Advancement of Science XIV National Congress of Science and Technology, Ciudad del Saber, Panama (authors: A. Ibáñez, K. Diver)
- 2011 “Potential loss of habitat diversity due to sea-level rise on seven tropical eastern Pacific islands,” Annual Meeting of the Association of American Geographers, Seattle (authors: K. Diver, A. Ibáñez)
- 2006 “The role of island density in island biogeography: a conceptual framework and GIS application,” J. Warren Nystrom Award Session, Annual Meeting of the Association of American Geographers, Chicago
- 2006 “Homeless interactions with the built environment: a spatial pattern language of abandoned housing,” Environmental Design Research Association (EDRA) 37th Annual Conference, Atlanta (authors: K. Sandin, K. Diver, S. Kafer*, A. Kaplan)
- 2003 “Forest dynamics in an archipelago of the Georgian Bay, Lake Huron, Canada,” Annual Meeting of the Association of American Geographers, New Orleans
- 2002 “Biogeography of island flora in the Georgian Bay,” Annual Meeting of the Association of American Geographers, Los Angeles
- 1998 “The geography of Marlboro Country: place portrayal in advertising,” Annual Meeting of the Association of American Geographers, Boston

Poster Conference Presentations (* denotes student co-author)

- 2017 “Environmental factors of tree species richness in The Massasauga Provincial Park, Canada,” Annual Meeting of the Association of American Geographers, Boston (authors: T. Hill*, K. Diver, E. Steinfeld*)
- 2017 “A dendrochronological record of Twentieth Century water levels in Georgian Bay, Ontario, Canada,” Annual Meeting of the Association of American Geographers, Boston (authors: L. Bournival*, K. Diver)
- 2017 “A dendrochronological record of Twentieth Century water levels in Georgian Bay, Ontario,

- Canada,” Thirtieth Annual Keck Research Symposium in Geology, Middletown (authors: L. Bournival*, K. Diver)
- 2017 “Dendrochronology and water levels as indicators of recent climate change: Georgian Bay, Lake Huron (Ontario, Canada),” Thirtieth Annual Keck Research Symposium in Geology, Middletown (authors: M. Kelly*, K. Diver)
- 2017 “A GIS approach to the effects of water-level change on soil properties and tree species richness,” Thirtieth Annual Keck Research Symposium in Geology, Middletown (authors: E. Steinfeld*, K. Diver)
- 2016 “Post-graduation survey of the impact of geoscience service-learning courses at Wesleyan University,” American Geophysical Union, San Francisco (authors: S. O’Connell, S. Ptacek*, K. Diver, T. Ku, P. Resor, D. Royer)
- 2014 “Modeling habitat degradation of the cerulean warbler using GIS: ash tree decline and hydraulic fracturing,” Wesleyan Research in the Sciences Symposium, Middletown and Connecticut GIS Day, Middletown (authors, M. O’Brien*, K. Diver)
- 2014 “Declining Water Level in Lake Michigan-Huron and the Effect on Islands in The Massasauga Provincial Park, Ontario,” Twenty-Seventh Annual Keck Research Symposium in Geology, South Hadley, MA (authors: E. Sinkler*, R. Edgley*, K. Diver)
- 2014 “GIS approach to water-level change: effects of water-level fluctuation island ecosystems,” Twenty-Seventh Annual Keck Research Symposium in Geology, South Hadley, MA (authors: R. Edgley*, E. Sinkler*, K. Diver)
- 2013 “GIS-based service learning at Wesleyan University: Contributing to the quality of open space in south central Connecticut,” Connecticut GIS User to User Network GIS Day at the State Capitol, Hartford, CT
- 2012 “GIS-based service learning at Wesleyan University: Contributing to the quality of open space in south central Connecticut,” GIS & Spatial Thinking in the Undergraduate Curriculum, Bucknell University, Lewisburg, PA
- 2012 “Estudios de diversidad de la flora y biogeografía de islas en el parque nacional coiba y su área de amortiguamiento,” Panamanian Association for the Advancement of Science XIV National Congress of Science and Technology, Ciudad del Saber, Panama (authors: A. Jiménez*, J. Domínguez*, N. León*, J. Carrión*, R. Flores*, M. Ayala*, A. Celis*, A. Ibáñez, K. Diver)
- 2012 “Evidence of increased island area due to low lake levels in Lake Huron: implications for plant species invasions,” Annual Meeting of the Association of American Geographers, New York City (authors: K. Diver, W. Martin-Black*)
- 2010 “Lack of area-effects in predicting plant species richness in a tropical archipelago,” New England – St. Lawrence Valley Geographical Society, Storrs, CT (authors: K. Diver, A. Ibáñez); abstract published in 2011, *The Northeastern Geographer*, 3, 151
- 2009 “Patterns and predictors of insular flora: Coiba World Heritage Site, Republic of Panama,” illustrated paper, Annual Meeting of the Association of American Geographers, Las Vegas (authors: K. Diver, A. Ibáñez)
- 2008 “Epidemiología de la violencia en Panamá: el informe nacional de violencia,” Panamanian Association for the Advancement of Science XII National Congress of Science and Technology, Panama (authors: J. Causadias, G. Britton, J. Zapata, G. Barb, K. Diver)
- 2008 “Distribution of the non-native species *Rumex acetosella* L. and *Sedum acre* L. on 41 islands in the Great Lakes,” illustrated paper, Annual Meeting of the Association of American Geographers, Boston (authors: K. Diver, S. Williams*, E. Strassman*, M. Balunas)
- 2006 “Spatial variation of native and non-native plant species richness on islands in the Georgian Bay, Lake Huron,” International Association of Great Lakes Research Conference: Great Lakes in a Changing Environment, Windsor, Ontario

- 2005 “GIS as an effective tool in island biogeography analyses: island isolation in Massasauga Provincial Park,” International Biogeography Society 2nd Biennial Meeting, Shepardstown, WV
- 2004 “Subset patterns of vascular plant species richness in islands of The Massasauga Provincial Park,” illustrated paper, Annual Meeting of the Association of American Geographers, Philadelphia
- 2003 “Species-island relationships of vascular plants in an archipelago of the Georgian Bay, Lake Huron, Canada,” inaugural meeting, International Biogeography Society, Mesquite, NV

WORKSHOPS CONDUCTED

2020

- Presidential Election Mapping (WesGIS Workshop Series): 1 hour, for Wesleyan University faculty, staff, and students

2019

- Witches on Broomsticks: Tales of Mapping & Intrigue (WesGIS Workshop Series): 1 hour, for Wesleyan University faculty and staff
- Data management and mapping of The Missionary Lyceum Records collection: two 2-hour sessions for Wesleyan Digital Scholarship Fellows Program
- Easy-to-do spatial data analysis (WesGIS Workshop Series): 1 hour, for Wesleyan faculty and staff
- Digital storytelling with maps: an introduction to story maps (WesGIS Workshop Series): 1 hour, for Wesleyan faculty and staff
- Make a Map! An introduction to GIS (WesGIS Workshop Series): 1 hour, Wesleyan faculty and staff

2018

- Humanitarian mapping map-a-thon (WesGIS Workshop Series): 1 hour, for Wesleyan faculty and staff, and students

2017

- Crowdsourced disaster relief mapping (WesGIS Workshop Series): 1 hour, for Wesleyan faculty and staff, and students
- Story Maps: How to create a dynamic online map experience (WesGIS Workshop Series): 1 hour, for Wesleyan faculty and staff
- Integrating surveys and mobile mapping with Survey123 (WesGIS Workshop Series): 1 hour, for Wesleyan faculty and staff
- GIS minicourse: 4 days, Wesleyan Mathematics and Science Scholars Program (WesMaSS)

2016

- Presidential Election Mapping (WesGIS Workshop Series): 1 hour, for Wesleyan faculty and staff
- GIS Bootcamp: 3 hour training module for Wesleyan Quantitative Analysis Center (QAC) Summer Workshops in Scientific Computing and Informatics
- GIS minicourse: 4 days, Wesleyan Mathematics and Science Scholars Program (WesMaSS)

2015

- Geocoding (WesGIS Workshop Series): 1 hour, for Wesleyan faculty and staff
- ArcGIS Workshop (WesGIS Workshop Series): two 8-hour sessions for Wesleyan faculty and staff
- Geoprocessing, Regression, and Web GIS: three 1-hour training modules for Wesleyan Quantitative Analysis Center Summer Workshops in Scientific Computing and Informatics
- Introduction to OpenStreetMap.org Relief Mapping for Nepal (WesGIS Workshop Series): 1 hour, for Wesleyan faculty and staff (co-led with P. Resor and J. Simms)
- Story Maps (WesGIS Workshop Series): 1 hour, for Wesleyan faculty and staff

2014

- Georeferencing (WesGIS Workshop Series): 1 hour, for Wesleyan faculty and staff
- Maps for Office (WesGIS Workshop Series): 1 hour, for Wesleyan faculty and staff
- Geoprocessing, Regression, and Web GIS: three 1-hour training modules for Wesleyan Quantitative Analysis Center Summer Workshops in Scientific Computing and Informatics

2013

- Creating Web Maps (WesGIS Workshop Series): 1 hour, for Wesleyan faculty and staff
- Introduction to GIS (WesGIS Workshop Series): 1 hour, for Wesleyan faculty and staff

2011

- ArcGIS Workshops: five sequential ArcGIS workshops to train University of Panama undergraduate students

2006

- 2nd Applications of GIS in the Liberal Arts: two-day ArcGIS workshop for Denison University faculty and staff

2005

- Applications of GIS in the Liberal Arts: 2 days, for Denison faculty and staff

PROFESSIONAL SERVICE

Participation in Wesleyan campus initiatives:

- GIS Working Group (Organizer), 2014–2018
- Sustainability and Environmental Justice Initiative, 2019–present
- Community-based Service-learning (Jewett Center for Community Partnerships), 2010–present
- Digital Humanities Network, 2019–2020
- Sustainability across the Curriculum Initiative, 2016–2019
- Center for Pedagogical Innovation’s (CPI) Faculty Academy for Project-based Teaching and Learning, 2015–2018
- Digital and Computational Knowledge Initiative (DaCKI), 2013–2015
- Advancing Technologies in Teaching, Learning, and Scholarship (ATTLaS), 2013–2015

Departmental Service

- Member, Earth & Environmental Sciences Curriculum Committee, Wesleyan University, 2016
- Departmental Representative, Digitization Task Force, Wesleyan University, 2014
- Search Committee Member, tenure-track GIS position, Environmental Studies, Denison University, 2007
- Member, Hunting Taskforce, Environmental Studies Program, Denison University: Five-person committee to determine disbursement of \$100,000 alumnus donation, 2004–2005
- Member, Environmental Studies Program Steering Committee, Denison University, 2004–2007
- Participant, Department of Geography Faculty Retreat, DePaul University, 2002 & 2003
- Search Committee Graduate Student Representative, tenure-track Environmental Geography position, Syracuse University, 1999

University Service

- Director, WesGIS Mapping and Spatial Data Analysis Lab, 2011–present
- Director, GIS Assistant Program, Wesleyan University, 2015–present
- Academic Advisor, undergraduate pre–major advisees, Wesleyan University, 2015–present
- Organizer and host, WesGIS Seminar Series, Wesleyan University, 2013–present
- Organizer and instructor, WesGIS Workshop Series, Wesleyan University, 2013–present
- Author, WesGIS.blogs.wesleyan.edu, 2013–present
- Co–organizer (with Wesleyan Introduction to GIS students), Wesleyan GIS Day, 2013–present
- Administrator, Wesleyan’s esri ArcGIS Online organizational account, 2013–present
- Consultant and Mentor for Wesleyan University faculty, staff, and students regarding GIS and geospatial technologies in pedagogy and scholarship, 2011–present
- Organizer, GIS Working Group, Wesleyan University, 2014–2018
- Planning Committee Member, Feet to the Fire Riverfront Encounter, 2014
- Member, Feet to the Fire Committee, Wesleyan University, 2013–2014
- Faculty Advisor, OutHouse (residential housing for Wesleyan Outing Club members), 2013
- Faculty Leader, Denison University Outdoor Orientation Program, 2006
- Co-Advisor, Denison University Green Team, 2005–2007

- Advisor, Denison University Recycling Program. 2005–2007
- Academic Advisor (12 undergraduate advisees), Denison University. 2005–2007
- Faculty sponsor for student forums:
 - Outdoor Leadership Forum (E&ES 420), student leaders N. Krieger '19 and D. Thaler '19, Spring 2019
 - Designing Mapping Technologies for Social Justice (QAC 420), leader S. Raby '17, Spring 2017
 - WildWES Sustainable Landscaping Implementation Lab (E&ES 420), leaders G. Castanon '13 and E. Leonard '13, Spring 2012

Society and Related Service

- Organizing Committee Member and Host, Connecticut GIS Day, 2014
- Steering Committee Member, Connecticut GIS User Network, 2014
- Member, Board of Directors, Middlesex Land Trust, 2013–present
- Panelist, “Biogeography in the field: a panel discussion for graduate students and early career biogeographers,” Biogeography Specialty Group sponsored special session at Annual Meeting of the Association of American Geographers, Las Vegas, 2009

Academic Service

Grant Reviewer (invited)

- Reviewer, John R. Evans Leaders Fund, Canada Foundation for Innovation, 2019

Manuscript Reviewer (invited)

- Book reviewer, 2014: Parker, R.N. and Asencio, E.K. 2015. *GIS and Spatial Analysis for the Social Sciences: Coding, Mapping, and Modeling*, 2nd edition. Routledge.
- Manuscript reviewer, *Ecography*, 2011
- Manuscript reviewer, *The Professional Geographer*, 2006
- Book reviewer, 2005: Sinton, D.S. and S.W. Bednarz. 2007. About that G in GIS. In *Understanding Place: GIS and Mapping across the Curriculum*, eds. D. Sinton, and J. Lund, 19–34. Redlands, CA: Esri Press.

PROFESSIONAL MEMBERSHIPS

Association of American Geographers
 International Association for Great Lakes Research
 International Biogeography Society
Sigma Xi, The Scientific Research Honor Society
 Society for Conservation GIS
 Women in GIS