

KIM C. DIVER
Associate Professor of the Practice
Earth & Environmental Sciences
Wesleyan University
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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, Wesleyan University, Middletown, Connecticut
Associate Professor of the Practice, Environmental Studies (College of the Environment)
Associate Professor of the Practice, Quantitative Analysis Center
- 7/2015–7/2018 **Assistant Professor of the Practice**, Department of Earth & Environmental Sciences
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”
- Grants in Support of Scholarship (GISOS) Project Grant, Wesleyan Univ. (\$4,000)
 - GISOS Faculty-Student Internship, Wesleyan University (\$2,400)
- 7/2017–present Smith Fund, Earth & Environmental Sciences, Wesleyan University (~\$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)
 - Smith Fund, Earth & Environmental Sciences, Wesleyan University (\$3,690)
 - GISOS, Project Grant, Wesleyan University (\$2,500)
 - GISOS Faculty-Student Internship, Wesleyan University (\$3,600)
- 7/2015–6/2017 **Principal Investigator**, “Potential effects of water-level changes on island ecosystems: A GIS spatiotemporal analysis of shoreline configuration”
- GISOS Project Grant, Wesleyan University (\$3,500)
- 6/2014–7/2014 **Principal Investigator**, “Ash decline versus hydrofracking: human-environment interactions, habitat fragmentation and public perception”
- Quantitative Analysis Center Summer 2014 Research Apprenticeship Program, Wesleyan University (\$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)
 - Smith Fund, Earth & Environmental Sciences, Wesleyan University (\$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)
 - Smith Fund, Earth & Environmental Sciences, Wesleyan University (\$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)
 - Smith Fund, Earth & Environmental Sciences, Wesleyan University (\$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, Denison University (\$1,000 equipment budget, \$3,300 student stipend)
 - Howard Hughes Medical Institute Early Research Experience in the Sciences, Denison University (\$1,000 equipment budget, \$3,300 student stipend)
 - Battelle Memorial Institute Research Awards, Denison Unive (\$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)
- 7/2015–present GISOS Support for Professional Development (\$750 per year)

Selected Completed Support

- 7/2019–5/2020 Creative Campus Initiative Award, Center for the Arts (\$500)
- 7/2015–6/2017 GISOS Teaching and Pedagogy: "Project-based Learning in the GIS Curriculum" (\$3,000)
- 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)

SELECTED 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, *Sigma Xi*, The Scientific Research Honor Society
2006 J. Warren Nystrom Award Finalist, Association of American Geographers

PUBLICATIONS

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

- Kaplan, A.W., Diver, K., 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. 2012. Climate change and autumn colors in New England’s forests. *The Northeastern Geographer*, 4, 34-53.
Diver, K. 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. 2008. Not as the crow flies: assessing effective isolation for island biogeographical analysis. *Journal of Biogeography*, 35, 1040-1048.

Manuscripts in Preparation (KD is corresponding author on all; * denotes student co-author)

- Diver, K., & 19* undergraduate co-authors. Spatiotemporal patterns of reported black bear sightings in Connecticut, 2007-2019. *Northeastern Geographer*
Diver, K., Hill*, T., Steinfeld*, E., Kelly*, M., Bournival*, L., Sinkler*, E., Edgley*, R., Martin-Black*, W. Rising waters, shrinking habitats: the influence of fluctuating water levels on the geology and ecology of a Great Lakes archipelago. *Journal of Biogeography*
Diver, K., Toner*, K., 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. *Ecography*
Diver, K. & J. Simms. Story maps in the classroom. *Journal on Excellence in College Teaching*
Diver, K., Ibáñez, A. Patterns and predictors of insular flora: Coiba National Park, Panama. *Frontiers of Biogeography*.
Diver, K. Not all plants are created equally: support for a species-based approach in island biogeography. *Global Ecology and Biogeography*.

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.

Other Publications

- Diver, K. 2013. GIS-based service learning at Wesleyan University: contributing to the quality of open space in South central Connecticut. *GeoFocus*, 6, 6.

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):
 - Senior Seminar (E&ES 497), co-taught with S. OConnell
 - Senior Field Research Project (E&ES 498), co-taught with S. OConnell
 - 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 supervision:
 - 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), co-led one session with M. Gilmore: “CT ECO Mapping Exercise and Remote Sensing”
 - Sophomore Field Seminar (E&ES 195), co-led one session with J. Varekamp: “Salt Marshes”
 - Advanced Research in Clinical Psychology (PSYC 397, A. May), “Applications of GIS in mental health research” guest lecture
 - Research Methods in Clinical Psychology (PSYC 211, L. Dierker), “GIS: spatial data analysis & visualization” guest lecture
 - Mapping Culture (AMST 294/MUSC 293, E. Charry), guest lecture
 - 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
 - Sophomore Field Seminar (E&ES 195), co-led one session with P. Patton: “Maps”
 - Sophomore Field Seminar (E&ES 195), co-led one session with D. Royer: “Mt. Higby”
 - Practicing Ethnomusicology (MUSC 507, K. Galloway), “Geospatial Analysis” guest lecture
 - Digital History (HIST 211, A. Williams), “Georeferencing Maps for a Story Map” guest lecture
 - Seminar in Interdisciplinary Studies: Ethnomusicology (MUSC 521, M. Slobin), “The World of GIS” guest lecture
 - Senior Seminar (E&ES 397), “Biogeography” guest lecture
 - Conservation Biology (BIOL 220, M. Singer), “Modernizing Island Biogeography” guest lecture

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
- The Natural Environment (GEO 155), 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 (Supervisor)

- 25 undergraduate research students
- 32 GIS Assistants

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)," (with M. Cope), Teaching Tools Buffet, 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," invited speaker, 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 (AAG), 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 (NEARC) 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,” NEARC 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,” NEARC 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 (IBS) 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, 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 AAG, 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 AAG, 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 AAG, New Orleans
- 2002 “Biogeography of island flora in the Georgian Bay,” Annual Meeting of the AAG, Los Angeles
- 1998 “The geography of Marlboro Country: place portrayal in advertising,” Annual Meeting of the AAG, 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 AAG, 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 AAG, 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 AAG, 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 AAG, 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 AAG, 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 AAG, 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 (Wesleyan University unless otherwise specified)

- 2021
- Mapping the Pandemic
 - Switching from ArcMap to ArcGIS Pro
- 2020
- Presidential Election Mapping
- 2019
- Witches on Broomsticks: Tales of Mapping & Intrigue
 - Data management and mapping of The Missionary Lyceum Records collection
 - Easy-to-do spatial data analysis
 - Digital storytelling with maps: an introduction to story maps
 - Make a Map! An introduction to GIS
- 2018
- Humanitarian mapping map-a-thon
- 2017
- Crowdsourced disaster relief mapping
 - Story Maps: How to create a dynamic online map experience
 - Integrating surveys and mobile mapping with Survey123
 - GIS minicourse for Wesleyan Mathematics and Science Scholars Program
- 2016
- Presidential Election Mapping
 - GIS Bootcamp: Summer QAC Workshops in Scientific Computing and Informatics
 - GIS minicourse for Wesleyan Mathematics and Science Scholars Program
- 2015
- Geocoding
 - ArcGIS Workshop
 - Geoprocessing, Regression, and Web GIS: QAC Workshops in Scientific Computing and Informatics
 - Introduction to OpenStreetMap.org Relief Mapping for Nepal (co-led with P. Resor and J. Simms)
 - Story Maps
- 2014
- Georeferencing
 - Maps for Office
 - Geoprocessing, Regression, and Web GIS: Summer QAC Workshops in Scientific Computing and Informatics
- 2013
- Creating Web Maps
 - Introduction to GIS

2011

- ArcGIS Workshops: University of Panama

2006

- 2nd Applications of GIS in the Liberal Arts (two days): Denison University

2005

- Applications of GIS in the Liberal Arts (two days): Denison University

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 Grad Committee, Wesleyan University, 2021 – present
- Member, Earth & Environmental Sciences Curriculum Committee, Wesleyan University, 2016
- Departmental Representative, Digitization Task Force, Wesleyan University, 2014
- Member, Search Committee, 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 (Wesleyan University unless noted otherwise)

- Member, Advising Task Force, 2021 – present
- 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
- Advising Ambassador, Wesleyan University, 2015
- 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

Promotion and Reappointment Reviewer

- University of Connecticut

Grant Reviewer

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

Manuscript Reviewer

- *Ecography*
- *The Professional Geographer*
- Routledge: Parker, R.N. and Asencio, E.K. 2015. *GIS and Spatial Analysis for the Social Sciences: Coding, Mapping, and Modeling*, 2nd edition.
- Esri Press: 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.

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