

## **KATHERINE J. KAHL, Ph.D.**

Extension Assistant Professor in Sustainable Fisheries & Coastal Resilience  
Department of Environmental Conservation  
University of Massachusetts Amherst  
Gloucester Marine Station

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### **Education:**

- 2012      **Ph.D.** Landscape Ecology/Fisheries and Wildlife, Michigan State University  
Dissertation title: Investigating Michigan Prairie Warbler Breeding Territory  
Habitat Composition
- 2003      **M.S.** Fisheries and Wildlife, Michigan State University  
Thesis title: Effects of Land Use Change on Golden-winged and Blue-winged  
Warblers in Michigan
- 1998      **B.S.** Biology, Truman State University (Minor: English)
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### **Professional Experience:**

- 2018      **Extension Assistant Professor, University of Massachusetts Amherst.  
Department of Environmental Conservation, based at Gloucester Marine  
Station. Gloucester, MA.**
- Bridging university research capacity with North Shore needs around sustainable fisheries and coastal resilience.
  - Leading a strategic visioning process for the Gloucester Marine Station.
  - Assembling advisory board of local, state and federal fishing, seafood, coastal, marine tech and environmental industry leaders.
- 2013-2016      **Michigan Conservation Policy & Practices Specialist, Western Lake Erie Coastal  
Conservation Strategy Director, The Nature Conservancy. Lansing, Michigan.**
- Responsible for developing business strategies and reporting against measurable goals for the strategic engagement, science, policy, stewardship and communications efforts in the region.

- Managed the [Western Lake Erie \(WLE\) Coastal Conservation Visioning](#) project, encompassing 150 miles of WLE coastline, bolstered by a \$1 million regional energy foundation grant. Oversaw development of a GIS-based decision tool to map where conservation actions could optimally achieve multiple ecological and human well-being goals at the lowest socioeconomic cost. Designed and led stakeholder workshops to vet the work with municipal, state, federal, university, tribal and private industry partners; held follow-up webinars to relay how their input was used. Developed a website to communicate the work; presented at numerous local, regional and professional meetings and co-authored a peer-reviewed publication.
- Expanded the work to TNC's global Coastal Resilience platform, where I was awarded a NOAA Digital Coast Fellow (2016-2018) to create [coastal resilience web apps](#), allowing users to visualize flood scenarios in priority coastal wetland restoration areas identified by the WLE Coastal Conservation Visioning process.
- Invited to be a Core Coastal Working Group member of the Upper Midwest and Great Lakes Landscape Conservation Cooperative (LCC), where our WLE model and stakeholder engagement workshop design was extended northward to Lake Huron, engaging new local and regional partners and to Green Bay, Wisconsin.
- Managed development of the Conservancy's Great Lakes Coastal business plan and worked with Wisconsin staff to bridge LCC and Conservancy coastal conservation planning initiatives.
- Grant administration

**2010-2013 Climate Change Ecologist, The Nature Conservancy. Lansing, Michigan.**

- Worked with a multi-disciplinary team of Conservancy staff and partners to develop and communicate ways to incorporate climate considerations into conservation and business strategies for the Great Lakes region.
- Developed five [case studies](#) and an accompanying [website](#) and [video](#) to illustrate tangible examples of climate adaptation strategies in forest, freshwater, agriculture and coastal systems across the eight Great Lakes states.
- Executive Council member of the NSF-funded [Climate Adaptation Collaboratory](#). Helped shape web content, create visual examples of climate adaptation "workflows" and led weekly meetings with partnering University of Notre Dame colleagues.
- Moderated two Detroit Public Television (PBS) panel discussions entitled [Investing in Nature](#) and [Beaches](#). The discussions, showcasing regional experts, explored how the natural resources of the Great Lakes basin sustain our way of life and how businesses and municipalities are investing in nature, not only to preserve these lifestyle benefits, but to improve their business bottom line and competitive marketplace advantage.
- Grant administration

**2008-2010 Director of Conservation & Policy Research, Heart of the Lakes Center for Land Conservation Policy. Grand Ledge, Michigan.**

- Developed and lead implementation of annual research agenda to support Michigan's 30 regional land trusts and to help guide the policy agenda
- Developed, fundraised for and implemented new programs to advance land protection
- Developed the [Envision MI Lands](#) program and supporting reports, factsheets and conservation plan matrix to strengthen the fundraising, policy advocacy and land protection capacity of Michigan land conservancies in land conservation planning
- Mapped federal, state, and nonprofit land protection priorities to identify collaboration opportunities
- Provided expert testimony to state House and Senate Committees communicated priorities to federal congressional delegation; advocated for policies that support Michigan's natural resources
- Served as the primary organizational representative for several state, federal, and nonprofit work groups
- Provided outreach and education on organizational goals and work products to stakeholders
- Facilitated an internal Policy Advisory Committee comprised of statewide conservation leaders to inform our policy agenda
- Led development of 2009-2011 organizational Strategic Plan
- Managed development and implementation of 2008-2010 Communications Strategy
- Grant administration

**2006-2008 Project Manager, Green Infrastructure Initiative, West Michigan Strategic Alliance. Grand Rapids, Michigan.**

- Managed creation of a new, seven-county program to connect local government, business, and conservation organizations who shared regional land use interests. Key to my role was translating conservation in terms of economic prosperity, increased quality of life, and environmental sustainability to elected officials, planning commissions, and conservation partners
- Developed a three-year strategic plan, funding plan, and governance structure
- Created website content, factsheets, presentations and other outreach materials
- Worked with a 25-person board of directors comprised of local, regional, state and federal government representatives, private industry and nonprofits
- Planned and orchestrated two annual conferences attracting internationally recognized speakers
- Leveraged in-kind resources for multi-jurisdictional conservation planning workshops
- Grant administration

**2003-2005 Internship with Wildlife Division Chief and State Director, Michigan Department of Natural Resources. Lansing, Michigan.**

**Katherine J. Kahl, PhD**

- Researched nontraditional funding mechanisms
- Participated in weekly Division Section Head meetings and monthly state-wide Management Team meetings
- Assisted the Director on special projects
- Facilitated research partnerships and subsequent outreach strategies between the Michigan State University and the Department of Natural Resources

**2003-2012 PhD Graduate Research Assistant, Fisheries and Wildlife Department, Michigan State University. East Lansing, Michigan**

- Conceptualized dissertation topic and secured funding with the Michigan Department of Natural Resources
- Designed and analyzed statistical and spatial data collection to quantify state-endangered Prairie Warbler population status, breeding habitat composition and factors influencing occupancy along the west Michigan coast
- Selected and managed field crews to assist with data collection and entry (point count surveys, breeding territory mapping, vegetation sampling). Surveys quantified the plant composition associated with Prairie Warbler breeding territories compared to unoccupied locations

**2000-2003 M.S. Graduate Research Assistant, Fisheries and Wildlife Department, Michigan State University. East Lansing, Michigan**

- Utilized National Breeding Bird Survey (BBS) data, satellite imagery, and GIS applications to compare land use change around BBS routes between 1978, 1993, and 2000
- Assessed breeding range shifts over time, for Golden-winged and Blue-winged Warblers in the Lower Peninsula of Michigan

**2000 Research Assistant, Biology Department, Southern Illinois University. Edwardsville, Illinois.**

- Developed study design to examine seed dispersal dynamics for Eastern Leatherwood (*Dirca palustris*) in the Ottawa National Forest located in the Upper Peninsula of Michigan
- Estimated avian species diversity and food selection differences within varying timber management types

**1999 Research Assistant, Geography Department, Southern Illinois University. Edwardsville, Illinois.**

- Developed avian sampling methodology for the University's 3,000-acre property
- Integrated the data collection with an existing campus-wide habitat inventory and analysis database

**1998-2000 U.S. Army Corps of Engineers, Student Career Experience Program (SCEP) employee, Rivers Project Office. West Alton, Missouri.**

- Assisted in 110,000-acre spatial habitat inventory planning along reaches of the Mississippi, Illinois, and Kaskaskia Rivers
- Management duties for 1,200-acre wet prairie restoration at Riverlands Environmental Demonstration Area within the Mississippi River floodplain
- Conducted weekly waterfowl surveys in the Riverlands Wildlife Refuge
- Led interpretive education about Mississippi River floodplain prairie and wildlife restoration efforts

**1998 Wildlife Technician, Missouri Ozark Forest Ecosystem Project, Peck Ranch Conservation Area. Ellington, Missouri**

- Summer field study (May-August) for the Missouri Department of Conservation and University of Missouri, Columbia
- Assessed effects of varying timber management practices on forest bird species in the Ozark Mountains. Duties included spot-mapping, mist-netting, and banding Neotropical migratory songbirds.
- Assessed nest productivity by finding and monitoring active nests and maintained data collection records.
- Developed an independent research project to examine parasitism rates on *Epargyreus clarus* (silver-spotted skipper butterfly) *Hymenoptera* parasitoids and presented it at the University of Missouri Columbia Undergraduate Research Symposium.

**1996 Wildlife Technician, Klamath National Forest District, U.S. Forest Service. Happy Camp, California**

- Summer field study (May-Aug) with extensive backcountry surveys and orienteering in roadless areas of northern Cascade Mountain range
- Surveyed for and reported occurrence of Marbled Murrelet, Spotted Owl, Peregrine Falcon, Bald Eagle and Northern Goshawk
- Nest-searched for new and historic endangered avian species nest sites
- Trained in forest fire management

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**Service:**

**Cape Ann Innovators Collaborative, Advisory Board** (2018-present). Develop events and networking opportunities to inform and inspire sustainable economic development on Cape Ann.

**CoWork Gloucester, Advisory Board** (2017-present). Developing a coworking space for Cape Ann telecommuters, freelancers, entrepreneurs and innovators to foster community and offer interdisciplinary cross-pollination of ideas.

**Healthy Urban Waters Center, Wayne State University, *Advisory Board*** (2016). Helped shape emerging university Center strategic focus addressing research, education, technology and public engagement priorities for Detroit and Southeast Michigan water resources.

**Southeast Michigan Council of Governments Water Forum, *Member*** (2016). Advised seven-county economic, transportation and infrastructure leadership/administrators to align county interests with regional water quality goals.

**NOAA's Digital Coast Partnership, *Member*** (2012-2016). Collaborative community of nine national organizations that provided insight, feedback and ensured the relevancy of the data, tools, training, and information developed for coastal communities to translate data into useful information.

**Michigan Climate Coalition, *Member*** (2011-2016). Assessed and recommended climate adaptation strategies to natural resource agencies, businesses, agriculture, public health and municipalities to meet mutual goals.

**State of the Strait Conference, *Coordinating Committee Advisor*** (2015). Guided theme and organized programming for the 2015 U.S.-Canadian conference on regional conservation research and strategy advancements.

**NOAA-TNC Great Lakes Restoration Partnership, *Project Manager*** (2014-2015). Identified priority coastal restoration opportunities to meet a suite of regional goals in the Maumee River EPA-designated Area of Concern.

**EcoScore Scorecard Development for Great Lakes Clean Communities Network, *Project Manager*** (2014). Michigan State University Institute of Water Research effort to develop an ecological scorecard - a free tool to allow communities and organizations to evaluate their current condition of "ecological health" based on a set of indicators.

**Climate Adaptation Collaboratory, *Executive Council member*** (2012-2013). Guided web tool development and creation of adaptation "workflows" to step users through the adaptation process for this National Science Foundation-funded project.

**NOAA Great Lakes Regional Climate Work Group, *Member*** (2012-2015). Monthly meeting/call to share information, trouble-shoot, propose ideas to enhance the effectiveness of Great Lakes Climate adaptation practice and policies.

**Michigan Bird Conservation Initiative: Coordinating Council and Research Committee, *Member*** (2009-2011). Evaluated avian research needs with agency and university partners to target funding. Coalition of agencies, organizations, universities, and individuals working together to better understand and conserve Michigan's birds.

**Berrien County, Michigan Bird-a-Thon, *team member*** (2001-2011). Spring bird count competition over a 24-hour period in Allegan County, Michigan to identify as many bird species as possible. As a team member, I secured pledges for number of species recorded. Over the 10 years of volunteering, our team raised \$35,000 for Southwest Michigan Land Conservancy.

**Michigan Forest Management Advisory Council, *Appointee*** (2008-2011). Appointed by Michigan Department of Natural Resources Director Humphries to contribute private land conservation perspectives and help advise on state forest management issues.

**Michigan Forest Stewardship Advisory Committee and Forest Legacy Program subcommittee, *Member***. (2008-2011). Provided recommendations to the State Forester in collaboration with federal and state committees that address State and private forestry issues.

**Go Green! Go Lansing! Mayor's Environmental Advisory Council: Lansing, MI, *Member*** (2007-2008). Developed sustainability measures to support U.S. Mayor's Climate Protection Agreement.

**Michigan Economic and Environmental Roundtable, *Member*** (2006). Invited to represent the Chair of the Department of Fisheries and Wildlife, Michigan State University at a statewide forum to develop new approaches to resolving environmental, economic, and social issues affecting the sustainable use of Michigan's natural resources.

**Michigan Bird Conservation Initiative: Steering Committee, *Member*** (2003-2006). Development of Initiative's goals and objectives. Helped organize efforts for Michigan Breeding Bird Atlas II and the state Important Bird Areas database.

**Graduate Student Organization, *President*** (2005-2006). MSU Fisheries and Wildlife Department. Supervision and organization of all GSO committees including curriculum, funding, academic and career opportunities.

**Graduate Student Organization, *Vice-President*** (2004-2005). MSU Fisheries and Wildlife Department. Member of Speaker Series committee, Department Picnic Committee and new steering committee for development of a graduate student magazine available to the public highlighting research in the Department of Fisheries & Wildlife.

**Department of Fisheries and Wildlife Advisory Committee, *Graduate Student Representative*** (2004-2005). Representative for graduate student body. Met with department chair, associate chair and 3 elected faculty members to discuss current departmental issues on a bi-weekly basis.

**Search Committee, Wetland Plant Ecologist Faculty Search, *Graduate Student Representative*** (2004). Reviewed application packages and sat on interview committee. Organized graduate forums with each candidate, polled student body for candidate feedback and provided summary to the search committee.

**Faculty Promotion and Tenure Committee, *Graduate representative*** (2003). Reviewed existing promotion and tenure guidelines. Compared qualifications for advancement with other university departmental guidelines. Assisted in providing revised guidelines to faculty for feedback. Passed new/revised promotion and tenure guidelines.

**Michigan GAP Analysis Project** (2001). Designed avian habitat suitability models for use by Michigan Department of Natural Resources. Michigan GAP is a state-wide GIS-based tool used to assist land managers in planning and evaluating conservation priorities.

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## Grants:

**Association of State Floodplain Managers: \$25,000.** 2014. Identify user needs and outreach strategy for *Great Lakes Coastal Resilience Planning Guide*; web content development.

**NOAA Restoration Partnership. \$25,000.** 2012. Production of three climate adaptation case studies and accompanying video highlighting regional partnerships and the how ecological and economic impacts of lake level change will affect the Great Lakes.

**Americana Foundation. \$40,000.** 2009. Research and development of Envision MI Lands program through Heart of the Lakes Center for Land Conservation Policy.

**Carls Foundation. \$75,000.** 2009. Research and development of Envision MI Lands program through Heart of the Lakes Center for Land Conservation Policy.

**Freemont Area Community Foundation. \$8,000.** 2007. West Michigan Strategic Alliance: Green Infrastructure Project

**Grand Rapids Community Foundation. \$10,000.** 2007. West Michigan Regional Urban Design Charrettes

**Michigan Department of Natural Resources, Wildlife Division. \$135,320.** 2003. Creating a Predictive Management Tool for Threatened and Endangered Migratory Songbirds in Michigan: identifying the appropriate management scale for Prairie Warbler populations.

**Kalamazoo Nature Center Research Department. \$4,000.** (2002-2005). Data collection for Michigan Breeding Bird Atlas II. (2001-2005).

**Kalamazoo Nature Center. \$3,000.** 2001. Data collection for Cornell Lab of Ornithology's Golden-winged Warbler Atlas Project and Michigan Breeding Bird Atlas II.

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## Scholarships & Fellowships:

**MSU Ecology, Evolutionary Biology and Behavior Program Summer Fellowship.** 2006. Assistance with summer field research. \$1,600

**NASA-MSU Professional Enhancement Award.** 2005. Student research award; funding to attend and present my research at the 2005 International Association of Landscape Ecologists conference. \$2,000

**Bill Burtness Fellowship.** 2005. Student fellowship for study of wildlife, management and land conservation. Awarded by the Rocky Mountain Goat Foundation. \$1,500

**George J. Wallace and Martha C. Wallace Award.** 2005. Student award for research in the field of Ornithology. \$2,000

**Audubon Student Research Award.** 2001. Audubon Society of Kalamazoo recognition of priority research need. \$1,500

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## Professional Development:

**Municipal Vulnerability Preparedness Training** (2017). State certification to facilitate a community resilience building planning process for cities and towns in Massachusetts.

**Highly Effective Teams Training** (2016). Gained tools and framework for building, leading and participating in cohesive, productive, results-oriented teams.

**Emerging Leaders** (2015). Selected for a 12-month global leadership development program through the The Nature Conservancy. Four, week-long sessions were held in four different U.S. locations, with webinars and calls between, to hear from industry and thoughts leaders.

**Grants 101 Training & Non-Real Estate Contracts Training** (2013). Conservancy training on grant management techniques and process. Lansing, MI.

**Agriculture, Water Quality & Changing the Climate Conversation** (2012). The Society of Environmental Journalists & Michigan State University Knight Center for Journalism. Competitive application process for two-day climate communications training at the W.K. Kellogg Biological Station.

**Climate Communications: Addressing Your Audience** (2012). Great Lakes Integrated Sciences and Assessment Center, University of Michigan. Led by Dr. Susanne Mosier.

**Engaging Stakeholders on Climate Change** (2012). Michigan State University Extension training in communicate climate change issues.

**Great Lakes Leadership Academy** (2008, 2011, 2015). Mentor/Coach for four state and federal staff participating in a 12-month professional development program focused on leadership, partnership-building, communications. Successful outcomes include the mentees proposing and successfully setting new performance goals and metrics with their supervisors and securing promotions.

**Natural Resources Leadership Project, Michigan** (2006). Selected for 12-month professional development program focused on leadership, partnership-building, and communications.

**Meet Michigan Program, Michigan State University** (2005). Selected for 3-day professional development experience highlighting statewide collaborations in conservation research.

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### **Teaching Experience:**

**FW 424, Population Analysis and Management, Teaching Assistant** (Aug. - Dec., 2003). Provided feedback on statistical analysis and interpretation. Graded weekly lab assignments.

**FW 419, Applications of Geographic Information Systems to Natural Resources Management, Teaching Assistant** (Jan. - May, 2003). Led weekly lab sessions instructing students on GIS techniques and analysis. Provided instruction and trouble-shooting for students' independent GIS projects.

**FW 364, Ecological Problem Solving, Teaching Assistant** (Jan. - May, 2002). Assisted students with weekly laboratory assignments using GIS and statistical software. Graded laboratory assignments and exams.

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### **Outreach:**

#### **Refereed Publications**

Elmer, H., **K. Kahl**, D. Nelson, P. Robinson, B. Schleck, H. Stirratt. (*under review*) Evaluating a Great Lakes Coastal Community Needs-Based Approach to Climate Adaptation. Environmental Practice.

Annis, G.M., D. R Pearsall, **K. J. Kahl**, E. L. Washburn, C.A. May, R. F. Taylor, J. B. Cole, D. N Ewert, E. T Game, P. J. Doran. 2017. Designing Coastal Conservation to Deliver Ecosystem and Human

Well-being Benefits. PLoS ONE 12(2): e0172458. doi:10.1371/journal.pone.0172458  
<http://journals.plos.org/plosone/article?id=10.1371/journal.pone.0172458>

Petersen, B., K. Hall, **K. Kahl**, P. Doran. 2013. In Their Own Words: Perceptions of Climate Change Adaptation from the Great lakes Region's Resource Management Community. Environmental Practice. 15 (4) 371. <https://doi.org/10.1017/S1466046613000446>.

Martin, J., W. Taylor, **K. Kahl**, J. Burroughs, N. Leonard. 2008. *Leadership: A Tale of Six Mentors*. Fisheries. 33(9): 454-457

### **Non-Refereed Publications**

Francoeur, S., J. Ciborowski, J. Gannon, D. Kashian and **K. Kahl**, eds. 2016. State of the Strait: Coordinating Conservation in the St. Clair-Detroit River System. Great Lakes Institute for Environmental Research, Occasional Publication No. 9, University of Windsor, Ontario, Canada ISSN 1715-3980. [www.stateofthestrat.org](http://www.stateofthestrat.org)

Tucker, A., **K. Kahl**, D. Hamilton, L. Chadderton. 2014. Harmonizing Great Lakes Regulated Species: Reconciling a Regional Patchwork of Approaches and Prohibited Species. Technical report for the Great Lakes Commission.

**Kahl, K.J.** 2010. Envision Michigan's Future: The Value of Protecting Michigan's Natural Resources Technical Report for Heart of the Lakes Center for Land Conservation Policy.  
[www.heartofthelakes.org/uploads/1/9/3/9/19394581/making\\_the\\_case\\_report\\_final.pdf](http://www.heartofthelakes.org/uploads/1/9/3/9/19394581/making_the_case_report_final.pdf)

**Kahl, K.J.** 2010. Michigan Land Conservancies. Factsheet accompanying Envision Michigan's Future Report Heart of the Lakes Center for Land Conservation Policy.  
[www.heartofthelakes.org/uploads/1/9/3/9/19394581/eml\\_mi\\_land\\_conservancies\\_factsheet.pdf](http://www.heartofthelakes.org/uploads/1/9/3/9/19394581/eml_mi_land_conservancies_factsheet.pdf)

**Kahl, K.J.** 2010. Protecting Michigan's Water Resources. Heart of the Lakes Center for Land Conservation Policy.  
[www.heartofthelakes.org/uploads/1/9/3/9/19394581/eml\\_water\\_resources\\_factsheet.pdf](http://www.heartofthelakes.org/uploads/1/9/3/9/19394581/eml_water_resources_factsheet.pdf)

**Kahl, K.J.** 2010. Protecting Michigan's Farmland. Heart of the Lakes Center for Land Conservation Policy.  
[www.heartofthelakes.org/uploads/1/9/3/9/19394581/eml\\_farmland\\_factsheet.pdf](http://www.heartofthelakes.org/uploads/1/9/3/9/19394581/eml_farmland_factsheet.pdf)

**Kahl, K.J.** 2010. Protecting our Natural Infrastructure. Heart of the Lakes Center for Land Conservation Policy.  
[www.heartofthelakes.org/uploads/1/9/3/9/19394581/eml\\_natural\\_infrastructure\\_factsheet.pdf](http://www.heartofthelakes.org/uploads/1/9/3/9/19394581/eml_natural_infrastructure_factsheet.pdf)

**Kahl, K. J.** and B.A. Maurer. 2002. Landcover change and breeding range shifts of Golden winged Warblers *Vermivora chrysoptera* in the lower peninsula of Michigan. Pages 126-133 in Proceedings from International Association of Landscape Ecology-UK annual conference, Avian Landscape Ecology: Pure and applied issues in the large-scale ecology of birds. IALE (UK)

**Workshop Design:**

**Designing the Coastal Wetlands of Tomorrow: Collaborative Conservation from Saginaw Bay to Western Lake Erie, *Planning Committee and Presenter*.** (2016) Organized two regional workshops (Harrison Charter Township and Saginaw, Michigan) to introduce the Upper Midwest & Great Lakes Landscape Conservation Cooperative's Coastal Wetland Landscape Conservation Design process and aligned it with The Nature Conservancy's coastal wetland optimization mapping work in Western Lake Erie.

**Establishing a Shared Vision for Coastal Conservation in Western Lake Erie, *Coordinator and Presenter*** (2014). Led three regional workshops (Monroe, MI; Oregon, OH; Essex, Ontario) to introduce the Western Lake Erie Coastal Conservation Visioning project methods and initial mapping and analysis; requested stakeholder feedback and additional/better spatial data to improve models; linked the two-year Lake Erie Biodiversity Conservation Planning Strategy goals developed by partners with the spatial prioritization mapping presented; catalyzed desire for more focused on-the-ground conservation implementation.

**Planning for Coastal Hazards workshop, *Steering Committee member and Presenter*** (2012). Introduced applications of [Great Lakes Coastal Resilience Planning Guide](#) to municipal planners and conservation practitioners in this one-day workshop in Madison, Wisconsin.

**Planning for Climate Impacts workshops, *Steering Committee Member and Presenter*** (2011). Organized a three-city (Green Bay, Wisconsin; Duluth, Minnesota and Cleveland, Ohio) Great Lakes workshop series with partners from NOAA, Old Woman Creek National Estuarine Research Reserve & University of Wisconsin to relay climate change adaptation tools to municipal, state, federal, tribal and nongovernment partners.

**Natural Connections Summit: Maximizing opportunities for green infrastructure incorporation into sustainable, livable communities, *Planning Committee*** (2006). Organized, in collaboration with American Institute of Architects (AIA), a one-day workshop (Grand Rapids, MI) to engage regional planners and industries in innovative green infrastructure design. The conference set the stage for the West Michigan Urban Design Charrettes we hosted six months later.

**Natural Connections Summit: On the Path to a Green Economy – Green Infrastructure Success Stories, *Planning Committee and Presenter*** (2007). Organized second annual conference (Hudsonville, MI) with AIA to share best practices in green infrastructure planning, successful

funding strategies, collaborative planning, between units of government and new ways to think about and assess the economic value of natural resources.

### **Case Studies**

**K. Kahl**, R. Franks Taylor and T. Baranowski. 2016. Climate Considerations for Habitat Restoration. Great Lakes Coastal Resilience Planning Guide.  
<http://greatlakesresilience.org/case-studies/habitat-environment/climate-considerations-habitat-restoration>

**Kahl, K.** and H. Stirratt. 2012. Survey Says. . . Great Lakes Coastal Communities Choose Climate Adaptation! Gaining knowledge, skills and new decision-making frameworks.  
<http://nature.org/greatlakesclimate>

**Kahl, K.** and H. Stirratt. 2012. What Could Changing Great Lakes Water Levels Mean for our Coastal Communities? A case for climate-adapted planning approaches.  
<http://nature.org/greatlakesclimate>

**Kahl, K.**, K. Hall, K. France, M. Cornett, P. Doran. 2012. Jump-starting Climate Adaptation: Catalyzing conservation strategy updates through climate clinics in New York, Minnesota and the Dakotas. <http://nature.org/greatlakesclimate>

**Kahl, K.**, K. Hall, J. Walk, S. Hagen, A. Lange, P. Doran. 2011. Updating the Illinois Wildlife Action Plan: Using a vulnerability assessment to inform conservation priorities.  
<http://nature.org/greatlakesclimate>

**Kahl, K.**, K. Hall, M. White, M. Cornett, P. Doran. 2011. Planning for the Forests of the Future: Updating Northeast Minnesota's forest management strategies.  
<http://nature.org/greatlakesclimate>

### **Radio**

**Kahl, K.** 2018. WBZ Women's Watch. Interview with Ellen Sherman on the role of women in coastal conservation. (<https://www.iheart.com/podcast/1002-Womens-Watch-28654282/episode/ecologist-katie-kahl-29142974/>)

**Kahl, K.** 2016. Minnesota Public Radio. Interview on implications of Great Lakes water level change and potential coastal community impacts. <http://wtip.org/lproject-water-levels-tell-story-lake-superior>.

**Kahl, K.** 2011-2014. Lansing Community College Radio & Television, *Coffee Hour* program. Invited guest to discuss emerging environmental issues in Michigan and the Great Lakes.

## **Television**

**Kahl, K.** 2013. Detroit Public Television “Great Lakes Now”: Investing in Nature. Facilitated live panel discussions showcasing regional experts, explored how the natural resources of the Great Lakes basin sustain our way of life and how businesses and municipalities are investing in nature, not only to preserve these lifestyle benefits, but to improve their business bottom line and competitive marketplace advantage. [www.greatlakesnow.org/2013/07/great-lakes-now-connect-investing-in-nature](http://www.greatlakesnow.org/2013/07/great-lakes-now-connect-investing-in-nature)

**Kahl, K.** 2013. Detroit Public Television “Great Lakes Now”: Beaches. Facilitated live panel discussions with multi-sector leaders describing coastal management and water quality challenges brought on by aquatic invasive species, stormwater and sewer management. <http://www.greatlakesnow.org/connect/#beaches>

## **Blog**

Doran, P. and **K. Kahl.** 2014. The Coastal Wetlands of Western Lake Erie: Have We Lost our Swiss Army Knife? Invited blog post by the International Joint Commission. [http://www.ijc.org/en /blog/2014/10/28/coastal\\_wetlands\\_lake\\_erie\\_tnc/](http://www.ijc.org/en /blog/2014/10/28/coastal_wetlands_lake_erie_tnc/)

## **Video**

**Kahl, K.** 2012. Great Lakes Water Level Changes: Addressing Risks and Impacts on Coastal Assets. <https://www.youtube.com/watch?v=lvqUzgWXcKY&feature=youtu.be>

## **Presentations**

**Kahl, K.** 2016. Identifying Resilient Coastal Wetland Restoration Opportunities in Western Lake Erie. Great Lakes Stopover Symposium. Millwaukee, WI.

**Kahl, K.** 2016. Designing Coastal Conservation to Deliver Human Well-being Benefits in Western Lake Erie. Social Coast Forum. Charleston, SC.

**Kahl, K.,** D. Pearsall, G. Annis, P. Doran, C. May. 2016. Coastal Conservation in Western Lake Erie. Midwest Fish & Wildlife Conference. Grand Rapids, MI.

Pearsall, D., **K. Kahl,** G. Annis, P. Doran, C. May, D. Ewert. 2015. Developing a Shared Vision for Coastal Conservation in Western Lake Erie. State of the Strait Bi-Annual Conference. Ypsilanti, MI.

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Pearsall, D., **K. Kahl**, G. Annis, P. Doran, E. Game, E. Washburn. 2015. Conservation for People: Integrating Human Wellbeing into Coastal Conservation for Western Lake Erie. International Association of Great Lakes Research. Burlington, VT.

Pearsall, D., G. Annis, **K. Kahl**. 2015. Creating A Shared Coastal Vision in Western Lake Erie. Biodiversity Without Boundaries: NatureServe Annual Conference. Traverse City, MI.

**Kahl, K.** 2014. Great Lakes Community Resilience: No Adverse Impact Workshop, Milwaukee, WI.

Chadderton, L., A. Tucker, **K. Kahl**, D. Hamilton. 2014. Harmonizing Great Lakes Regulated Species: Reconciling a Regional Patchwork of Approaches and Prohibited Species. Biotic Conference, Milwaukee, WI.

**Kahl, K.** 2014. Building a Western Lake Erie Coastal Conservation Vision. Keynote Address, Midwest Land Trust Alliance conference. Invited keynote speaker. Holland, MI.

Kahl, K. 2013. Climate Change in the Great Lakes Region. Eastern Michigan University. Invited guest lecturer to Biology Department graduate students. Ypsilanti, MI.

Nelson, D., H. Elmer, **K. Kahl** and P. Robinson. 2013. Great Lakes Climate Needs and User-Focused Adaptation Programs. International Association of Great Lakes Research: Great Lakes Restoration & Resiliency. West Lafayette, IN.

**Kahl, K.**, H. Elmer and P. Robinson. 2013. Facilitating Adaptation to Climate Variability and Change Through Community Engagement and Mobilization. National Adaptation Forum. Denver, CO.

**Kahl, K.**, and R. Franks Taylor. 2013. Tools You Can Use at the Cross-Roads of Climate and Coasts. National GeoTools Conference. Myrtle Beach, SC.

**Kahl, K.** and R. Franks Taylor. 2013. Great Lakes Coastal Resilience Planning Guide: Habitat & Environment Case Study Breakout. Toledo Coastal Climate Adaptation and Resilience Workshop. Toledo, OH.

**Kahl, K.** 2013. Climate Collaboratory Communications. Climate Adaptation Collaboratory Advisory Board meeting. Hosted by University of Notre Dame and TNC. South Bend, IN.

**Kahl, K.** Nov. 2012. Great Lakes Climate Adaptation Case Studies and Video: A Focus on Multi-sector Interests in Great Lakes Water Levels. NOAA Digital Coast Partnership bi-annual partner meeting. Charleston, SC.

**Kahl, K.** June 2012. Case Study Concepts. NOAA Great Lakes Regional Climate Team Meeting. Green Bay, WI.

**Katherine J. Kahl, PhD**

**Kahl, K.** June 2012. Networking & Communicating about Coastal Resiliency. Coastal community hazard assessment workshop. Organized by NOAA and the Association of State Floodplain Managers. Green Bay, WI.

**Kahl, K.** Apr, 2012. Great Lakes Conservation Panel. Greater Lansing community education forum. Invited and hosted by People's Church. East Lansing, MI.

**Kahl, K.** and K. Hall. 2012. Climate Tools Café: Climate Adaptation Collaboratory. Climate Change Adaptation in the Northwoods: Information, tools and collaboration. Northern Institute of Applied Climate Science & The Nature Conservancy. Otsego, MN.

**Kahl, K.** Feb. 2012. Climate and Michigan's Water Resources. Invited "special topic" presentation to Michigan Department of Environmental Quality's Water Resource Division Retreat. Lansing, MI

**Kahl, K.** Jan. 2012. Adapting Management Strategies to Climate Change Threats: Stories from the field. Stewardship Network annual conference. Michigan State University Kellogg Center. East Lansing, MI.

Walk, J., and **K. Kahl.** Dec. 2011. Adaptation for Fish and Wildlife Conservation in the U.S. Midwest. Ohio's Wildlife in a Changing Climate: Sustaining habitats and diversity workshop. Organized by NOAA and the Ohio Department of Natural Resources. Columbus, OH.

**Kahl, K.** Dec. 2011. The Nature Conservancy's Great Lakes Project Climate Change Adaptation Strategy. Invited symposium: Climate Change - What It Means to Management and Research Priorities. 72<sup>nd</sup> Annual meeting of the Midwest Fish and Wildlife Association. Des Moines, IA.

**Kahl, K.** Oct. 2011. Climate-Smart, Communications-Challenged: building a better case study. TNC's National All-Science Conference. Olive Branch, MS.

**Kahl, K.** Apr. 2011. Climate Change Adaptation: Applications from the field. Invited symposium. Michigan chapter, American Fisheries Society. Petoskey MI.

Hall, K., and **K. Kahl.** 2011. Climate Smart Conservation: Adapting our Work to a Changing World. Heart of the Lakes Center for Land Conservation Policy 6<sup>th</sup> Annual Summit. Lansing, MI.

**Kahl, K.** 2010. Strategic Conservation Planning Resources for Michigan's Regional Land Conservancies. Webinar to Michigan's 30 regional land conservancies reporting on tools created to assist land conservation strategies.

**Kahl, K.** 2010. Conservation 101 for Strategic Conservation Planning. Southeast Michigan Land Conservancy Board of Directors meeting. Invited presentation. Ypsilanti, MI



**Kahl, K.** 2010. Envision MI Lands: Strategic Conservation Planning in Michigan. Heart of the Lakes Center for Land Conservation Policy Board of Directors.

**Kahl, K.** 2009. Developing a Conservation Vision for Michigan. Michigan Conservation Forum. Lansing, MI

**Kahl, K.** 2009. Importance of Agricultural Preservation in Michigan. Annual Summit, Heart of the Lakes Center for Land Conservation Policy. Lansing, MI.

**Kahl, K.J.** and K.F. Millenbah. 2007. Predictive Habitat Parameters for Michigan Prairie Warbler Populations. Midwest Fish and Wildlife Conference. Madison, WI.

**Kahl, K.J.** and K.F. Millenbah. 2007. Predictive Modeling for State Endangered Bird Populations in Michigan. Ecological Society of America. San Jose, CA.

**Kahl, K.J.** and K.F. Millenbah. 2005. Identifying Landscape Parameters of Prairie Warbler Territories in Michigan. Midwest Fish and Wildlife Conference. Grand Rapids, MI.

**Kahl, K.J.** and K.F. Millenbah. 2005. The Future of Prairie Warblers in Michigan. Audubon Society of Kalamazoo October business meeting. Invited public presentation.

**Kahl, K.J.** and K.F. Millenbah. 2005. Predictive Modeling in Management: Identifying the appropriate management sale for state-endangered Prairie Warbler populations in Michigan. Department of Natural Resources Southwest Michigan Management Unit meeting. Invited presentation.

**Kahl, K.J.** and K.F. Millenbah. 2005. Creating a Predictive Management Tool for Prairie Warbler Conservation in Michigan. 20th Annual Symposium of the United States Regional Chapter of the International Association for Landscape Ecology, SUNY-ESF, Syracuse, New York.

**Kahl, K.J.** and B.A. Maurer, 2003. Effects of Land Cover Change on Golden-winged and Blue-winged Warblers in Michigan. American Ornithologists Union Annual Meeting, University of Illinois, Champaign-Urbana.

**Kahl, K.J.** and B.A. Maurer. 2002. Landcover change and breeding range shifts of Golden-winged Warblers *Vermivora chrysoptera* in the lower peninsula of Michigan. International Association of Landscape Ecology-UK annual conference, Avian Landscape Ecology: Pure and applied issues in the large-scale ecology of birds. IALE (UK)

**Kahl, K.J.** 2002. Golden-winged Warblers in Michigan. Audubon Society of Kalamazoo March business meeting. Invited public presentation.

**Katherine J. Kahl, PhD**

Nesslage, G.M., J.J. Skillen, **K.J. Kahl**, B.A. Maurer and M. Taper. 2001. Modeling the Population-Level Mechanics of Species Range Stability. Ecological Society of America Annual Conference. University of Wisconsin, Madison, Wisconsin.

Deutsch, C., K. Schulz, K. Jamison, K. Manar and **K.J. Kahl**. 2001. Combined Interaction of Summer Flooding and Shade in the Establishment of Understory Acer Saccharinum Seedlings. Ecological Society of America, Annual Conference. University of Wisconsin, Madison, Wisconsin.

Gann, V.A., P.E. Brunkow, T. Marriage, **K.J. Kahl**, C. Jones, K.E. Schultz and J. Zasada. 2001. Effects of Simulated Herbivory and Light on Growth and Reproductive Allocation in *Dirca Palustris L.* (Eastern Leatherwood, Thymelaeaceae) in Selectively Managed Forests of the Northwoods. Ecological Society of America Annual Conference. University of Wisconsin, Madison, Wisconsin.

**Kahl, K.J.**, and R. Brown. 1998. *Hymenoptera* Parasitism Effects on *Epargyreus Clarus* (Silver-Spotted Skipper butterfly). 1998. University of Missouri at Columbia, Undergraduate Research Symposium, Columbia, Missouri.