

## Appendix 10: EA Team Member CV's

**Michael Parker**  
**Senior Ecologist**  
**ECA Employee**



### **Work Experience:**

2000 – Present

#### **Senior Ecologist / President**

East Coast Aquatics Inc., Bridgetown, Nova Scotia

Project management, and senior biologist for client projects. Development of integrated watershed management plans, ecosystem management frameworks, Environmental Assessment registration documents, environmental permit and approval applications for streams and wetlands, water quality/quantity monitoring and evaluation, fish habitat assessment, wetland assessment, habitat rehabilitation prescriptions, ecological inventories, terrestrial fauna inventories, and fish inventory activities. Project liaison with project proponents/clients. Integration of aquatic and terrestrial components within broad-spectrum environmental projects. Authoring of final project reports.

1996 - 2000

#### **Regional Fisheries Specialist**

Ministry of Environment Lands and Parks; Williams Lake, British Columbia

Administering, monitoring, and delivering all Watershed Restoration Program contracts in the Cariboo Region, British Columbia. Directing and monitoring the design and implementation of stream and riparian restoration for the improvement of anadromous and resident fish populations. Coordinating with upslope management and restoration activities of forest resources. Assessing habitat impacts from mining, forestry, and agricultural activities.

1994-96

#### **Program Coordinator**

Bluenose Atlantic Coastal Action Program; Mahone Bay, Nova Scotia

Coordinated all activities associated with the development and actioning of a strategy to restore and maintain the greater Lunenburg/Mahone Bay ecosystem. Coordinated and facilitated a multi-stakeholder forum that included environmental, governmental, academic, business and other sectoral interests. Developed and oversaw implementation of the Oil Spill Response Project, which was chosen by the Peter F. Drucker Foundation as one of the top seven innovative non-profit projects in Canada, as well as a water quality monitoring project, slate pit wetland restoration project, and various public education projects.

1993-94

**Fish Habitat Restoration and Training Project Leader**

Clean Annapolis River Project, Annapolis Royal, Nova Scotia

Lead an innovative new project of stream fish habitat restoration for salmonids. Performed design, implementation and monitoring of in stream work. Carried out a watershed wide stream habitat evaluation to identify appropriate locations for in-stream restoration on seven secondary streams.

1993

**Independent Consultant - Fish Habitat Restoration Manual**

Department of Fisheries and Oceans - Habitat Management Division; Halifax, Nova Scotia

Authored and illustrated a *Fish Habitat Restoration: Community Project Manual* for the Department of Fisheries and Oceans. This manual is aimed to guide community groups through low impact, in stream restoration techniques to restore habitat for salmonid species in gravel bed streams. The manual also outlined support activities for restoration including monitoring stream water quality, and adjoining land use. The manual has been distributed to community groups throughout the Scotia Fundy Region, and as requested in other locations.

**Education:**

**Degrees:**

1992 Bachelor of Science, Biology from Dalhousie University, Halifax, Nova Scotia.

1990 Bachelor of Commerce, Management from Dalhousie University, Halifax, Nova Scotia.

**Additional Courses and Training:**

- 2020 Nova Scotia Watercourse Alteration Certification, Sizer and Installer – Maritime College of Forest Technology
- 2019 Nova Scotia Fish Habitat Installers – Nova Scotia Adopt-a-Stream
- 2019 Environmental DNA (eDNA) Methods – Natural Resources Training Group.
- 2013 GIS: Watershed Applications – Canadian Rivers Institute
- 2013 WESPUS wetland functional assessment – instructed Paul Adamus Univ. of Oregon
- 2012 Erosion and Sediment Control for Highway Construction and Building Sites – Center for Water Resources Studies, Dalhousie University
- 2012 Urban Wetland Restoration Course – instructed by Kevin Erwin and NS Dept. of Environment
- 2009 Nova Scotia Advanced Wetlands Delineation and Evaluation Course - Maritime College of Forest Technology
- 2008 Basic Wetlands Delineation Certification for Nova Scotia – Maritime College of Forest Technology
- 2007 Soil Bioengineering for Land Restoration and Slope Stabilization – instructed by David F. Polster.
- 2003 Canadian Aquatic BioMonitoring Network advanced macroinvertebrate identification training. Environment Canada.
- 2002 Canadian Aquatic BioMonitoring Network macroinvertebrate sampling and identification training. Environment Canada.
- 1998 Hydrologic and Hydraulic Designs of Culverts and Small Bridges course by BC Forestry Continuing Studies Network.
- 1998 Hydrology and Stream Restoration Session – instructed by Robert W. Newbury.
- 1997 British Columbia Ministry of Environment Lands and Parks Contract Management Course.

- 1996 WRP Riparian Assessment and Prescriptions Procedures Workshop by British Columbia Forestry Continuing Studies Network.
- 1996 WRP Fish Habitat Assessment and Rehabilitation Course Modules 1-2 by British Columbia Forestry Continuing Studies Network.

**Volunteer Experience:**

- 2019 Bridgetown and Area Sports Hall of Fame Inductee - Volunteer
- 2017 NSSAF Outstanding Service Award, Bridgetown Regional High School
- 2015-2017 Board Member – Canadian Land Reclamation Association, Atlantic Chapter
- 2006 -2011 Bridgetown Triathlon Organizing Committee/Race Director – largest triathlon in Atlantic Canada

In 2010, Michael was awarded the Triathlon Nova Scotia Community Service Award for his efforts in organizing the Bridgetown Triathlon.

In 2006, Michael was awarded the 2006 Annapolis County Volunteer Award in recognition of outstanding volunteer service benefiting the Communities and Towns within the County of Annapolis.

- 2004 - 2007 Nova Scotia Fisheries and Aquaculture Loan Board
- 2001- 2007 Clean Annapolis River Project, Vice President and Board member.
- 2003 Bay of Fundy Marine Resource Centre, Board Member.
- 2002-03 Kejimikujik National Park Brook Trout Study.
- 1998 Volunteer mentor for BC Government Mentorship Program, Cariboo Region.
- 1997-98 Province of BC Scientists and Innovators in the Schools program.
- 1993-94 Voting Committee Member - Regional Aquaculture Development Advisory Committee Mahone Bay, NS

**Licenses & Certificates:**

- Nova Scotia Watercourse Alteration Certification, Sizer and Installer – Maritime College of Forest Technology
- Nova Scotia Fish Habitat Installers Certification – Nova Scotia Environment
- NSTIR Erosion and Sediment Control Certificate – Nova Scotia Transportation and Infrastructure Renewal
- Advanced Wetlands Delineation Certification for Nova Scotia – Maritime College of Forest Technology
- Basic Wetlands Delineation Certification for Nova Scotia – Maritime College of Forest Technology
- British Columbia Backpack Electrofishing Certificate - Crew Supervisor
- Chainsaw Use and Safety Course – Nova Scotia Department of Natural Resources
- Emergency First Aid CPR “A” & AED - St. John Ambulance

**Memberships and Professional Associations**

- Atlantic Society of Fish and Wildlife Biologists
- American Fisheries Society
- Bridgetown Area Chamber of Commerce
- Canadian Land Reclamation Association
- Canadian Society of Environmental Biologists
- Nova Scotia Institute of Science

**Andy Sharpe**  
**Project Manager/ Senior Aquatic Scientist**  
**ECA Employee**



### **Education**

Master's in Environmental Design (M.E.Des.) (1993)  
(Environmental Science)  
Faculty of Environmental Design  
University of Calgary, Canada

Bachelor of Science (Honours) (B.Sc.) (1990)  
Department of Chemistry  
Faculty of Science  
University of New Brunswick, Canada

### **Employment Summary**

Projects Manager: 2010 – Present

East Coast Aquatics Inc., Bridgetown, Nova Scotia

- Implementation and analysis of a post-alteration wetland monitoring program of 33 wetlands in five counties across Nova Scotia (2010 to 2016), including salt marshes at Sutherlands River and South River.
- Implementation of restoration design and construction monitoring at Antigonish Landing salt marsh site, Antigonish County.
- Completion of a design to restore wetland hydrology to Big Meadow Bog, Brier Island, site of the globally endangered Eastern Mountain Avens.
- Baseline assessment and design for marsh restoration, Round Hill, Annapolis County.
- Fish habitat and herpetological studies of a candidate protected area in Digby County.
- Compliance monitoring of water quality and wetlands for a basalt quarry in Annapolis County.
- Baseline ecological monitoring of vegetation, hydrology and Wood turtles as well as construction of in-stream structures in conjunction with a wetland restoration project in Halifax Regional Municipality.
- Completion of annual environmental effects monitoring program for Halifax International Airport Authority.
- Wetland delineation and alteration applications at numerous locations across Nova Scotia.

Science Coordinator: 2003 – 2011

Clean Annapolis River Project (CARP), Annapolis Royal, Nova Scotia,

- Project manager for the removal of the derelict Clementsport Dam from Moose River, Annapolis County. Oversaw completion of feasibility study, community consultations, development of restoration design, securing of necessary permits and approvals as well as tendering of construction.
- Responsible for the development and implementation of physical, chemical and biological water quality monitoring programmes on the Annapolis River and its

tributaries.

- Responsible for the design, implementation, analysis and reporting of ecological monitoring programs within the Annapolis River watershed. These currently include: the Annapolis River Guardians volunteer monitoring program, and Operation SWIM (Sub-Watershed Investigative Monitoring).
- Responsible for the communication of ecological monitoring results, and information on the underlying ecological and physical processes, to a variety of stakeholders, including local elected officials, members of the public, and representatives of the Provincial and Federal Government.

Lecturer in Environmental Impact Assessment: 2002 - 2003

Acadia University, Wolfville, Nova Scotia

- Planned and taught a senior undergraduate course on Environmental Impact Assessment (EIA) (ENVS 3423), which addressed international good practice in EIA, as well federal (CEAA) and provincial (NS) EIA procedures.

**Additional Courses and Training**

Environmental DNA (eDNA) Methods – Natural Resources Training Group. January 2019

Stream Restoration: Design Workshop. Dr. Robert Newbury and the Canadian Rivers Institute. September 30 to October 2, 2014, Fundy National Park, NB

Watercourse Alteration Certification Training Program. Nova Scotia Environment. Recognized Individual Certificate #1104480. 2014.

Principles and Techniques of Electrofishing, National Conservation Training Centre, US Fish and Wildlife Service. January 2014.

Urban Wetland Restoration: A Watershed Approach in HRM, Nova Scotia Environment and Fern Hill Institute for Plant Conservation, May 2012.

Wetland Delineation, Acadia University and Fern Hill Institute for Plant Conservation, July 2011.

Wetland Plant Adaptions and Identification, Acadia University and Fern Hill Institute for Plant Conservation , July 2011.

Backpack Electrofishing Certification Course, University of New Brunswick, May 2011.

Watercourse Alteration Certification Training Program, Maritime Forestry School and Nova Scotia Environment, April 2011.

Integrated Watershed Management, University of British Columbia, January 2009.

**Memberships and Professional Associations**

Certified Environmental Practitioner (EP) (Member #31620)

Canadian Environmental Certification Approvals Board/ECO Canada

Chartered Environmentalist (C. Env.), Associate Environmental Auditor

Society for the Environment/Institute of Environmental Management and Assessment (United Kingdom)

**Stephanie White**  
**Environmental Scientist**  
**ECA Employee**



## **Education**

MSc. Biology | Dr. Trevor Avery, Acadia University | Wolfville, NS  
BSc. with Honours – Double Major Biology/ Environmental Science with Co-op | Acadia University | Wolfville, NS

## **Work Experience**

### **May 2015-May 2016**

***Masters Research- Wildlife Passageway Monitoring / Dr. Avery, Acadia University / Wolfville, NS***

Research focuses on monitoring mammal movement in terrestrial/aqueous passageways using remote camera sensing. Passageways are located in Antigonish, NS and are the first researched in NS. Ultimately this study aims to reduce wildlife/vehicle collisions.

### **May 2014-Apr 2015**

***Honours Research / Dr. Rodger Evans, Acadia University / Wolfville, NS***

Researched endangered plant, *Helianthemum canadense*, analyzing its reproductive morphology & ecology.

### **Sep 2014-Dec 2014**

***Student Soil Technician (Co-Op) / Dr. Judith Nyiraneza, Agriculture & Agri-Food Canada / Charlottetown, PEI***

Researched techniques to reduce the environmental impact of nutrient supplementation while interim improving potato crop yield.

### **2014-2016 - 7 Course Positions**

***Teaching Educator & Assistant: 3 Animal Biodiversity, 2 Introduction to Biology, 1 Aquatic Ecology***  
***Dr. Avery, Dr. Juan-Carlos Lopez, & Jose Lefebvre, Acadia University / Wolfville, NS***

- Taught pre-lab lectures, met with students requiring aid outside of lab hours, & marked report

### **May 2013-August 2013**

***Waterfowl Brood Rearing Research Assistant / Dr. Soren Bondrup-Nielsen, Acadia University / Wolfville, NS***

Broad range of wetland health indicators were analyzed (vegetative growth, water chemistry, invertebrates, physical attributes & waterfowl presence/absence) for effective waterfowl brood rearing in over 50 agricultural ponds in the Annapolis Valley.

### **May 2012-August 2012**

***Department of Biology Research Technician / Dr. Bondrup-Nielsen, Acadia University / Wolfville, NS***

Managed departments website redesign & Wildlife Museum. Aided in wetland & botanical studies.

**May 2012-Present**

*Animal Care Technician / Tanya Morse-Outhouse, Weston Animal Care Facility / Wolfville, NS*

- Tasks included caring for fish, reptiles, insects, small mammals, & the facility in general

**Conferences and Publications**

**Oct 2016.** White, S.N., Milton, G.R., & Avery, T.S. *Monitoring Mammal Activity Within a Fenced Wildlife Passageway in Antigonish, Nova Scotia Using Remote Camera Sensing.* Atlantic Society of Fish and Wildlife Biologists 53rd Annual General Meeting, Summerside, PEI. **(Presentation)**

**Oct 2016.** White, S.N., Milton, G.R., & Avery, T.S. *Monitoring Mammal Movement Through Terrestrial and Aquatic Passageways in Antigonish, Nova Scotia Using Remote Camera Sensing.* Women in Science and Engineering, Wolfville, NS. **(Poster)**

**Sep 2016.** White, S.N., Milton, G.R., & Avery, T.S. *Monitoring Mammal Movement Through Terrestrial and Aquatic Passageways in Antigonish, Nova Scotia Using Remote Camera Sensing.* Northeastern Transportation and Wildlife Conference: "Mile Markers of Road Ecology: Paved Ways and New Paths", Lake Placid, New York. **(Presentation)**

**Feb 2016.** White, S.N., Milton, G.R., & Avery, T.S. *Effects of lighting and fencing on mammal movement through newly constructed terrestrial and aquatic wildlife underpasses in Antigonish, Nova Scotia.* Acadia Graduate Research Conference, Wolfville, NS. **(Presentation)**

**Jan 2016.** White, S.N., Stewart, D.T., Hillier, N.K., Evans, R.C. (2016) *Identification of Mompha capella Busck, a Microlepidopteran Predator of an Endangered Plant, Crocanthemum canadense (L.) Britton, in Nova Scotia.* Northeastern Naturalist 23(2):211- 218. **(Publication)**

**Feb 2015.** White, S.N., & Evans, R.C. *A comparative analysis of chasmogamous and cleistogamous flower development in Helianthemum canadense (L.) Michx.* Science Atlantic Aquaculture & Fisheries and Biology. Moncton, NB. **(Poster)**

**Certifications**

Advanced Wilderness & Remote First Aid	Jan 2017	Search & Rescue Searcher Certification	Aug 2016
NS Wetland Delineation	Jul 2017	QGIS Competency Course	Jan 2016
Environmental Professional in training (EPt)	Mar 2016	Canadian Firearms Safety Course	Dec 2015
R Statistical Competency Course	Sep 2015	PADI Scuba Diver	Jul 2014
WHMIS Certificate	Sep 2014	Canadian Council on Animal Care in	May 2012
Pleasure Craft Operator	Jun 2014	Science Certificate	

**Thomas Neily**  
**Botanist**  
**ECA Associate.**



**Academic**

Liverworts and Their Ecology, Humboldt Field Research Institute, Maine. 2010  
Sphagnum Identification, Humboldt Field Research Institute, Maine. 2009, 2010  
Lichens and Lichen Ecology, Humboldt Field Research Institute, Maine. 2004  
Bachelor of Science (Agriculture) Botanical Sciences, Macdonald College of McGill University, Montreal. 1980

**Experience**

**Self Employed Botanist**

Assisted in Field Work for several Lichen Status Reports for COESWIC

Conducted Vascular Plant and Lichen Surveys, NL

Conducted Lichen and Bryophyte Surveys in Karst Topography throughout Atlantic Canada

Mapped Critical Habitat for Porsild's Bryum, Newfoundland

Peatland Vegetation Plots, Kejimikujik CNPH

Wetland Classification, Labrador

Vegetation Survey, Northern New Brunswick

Established Permanent Plots for Monitoring Air Quality with Lichens in Nova Scotia

Conducted Lichen Survey and Search for Boreal Felt Lichen and Other Rare Cyanolichens

Worked with Consultants determining salvage methods of damaged forests by Hurricane Juan

Conducted Vascular Plant Survey in Northern Newfoundland

Collected Data on Wetland Assemblages in Protected Area in Southwest Nova Scotia

Conducted plant surveys for a proposed pipeline in northern mainland, Nova Scotia.

Conducted a plant survey for creek realignment in Cape Breton.

Collected GPS locations, photographs and other data for an at risk species in southwestern Nova Scotia.

Conducted plant surveys for an environmental assessment of a highway twinning in the Annapolis Valley and interchange modification projects in Digby and Yarmouth counties.



Conducted plant surveys for the Department of National Defence on various properties throughout Nova Scotia.

Conducted an assessment of the health of the Southern Twayblade (*Listera australis*) population at the Halifax International Airport as part of a long term plan to ensure that the orchid population continues to thrive.

Conducted plant surveys for an environmental assessment of a proposed mine site in southwestern Nova Scotia near the Tobeatic Wilderness Area. New populations of a species at risk were located and mapped to determine distribution.

Conducted plant surveys to assist in habitat characterization and mapping for the Department of National Defense on Rifle Range properties throughout Nova Scotia Also assisted with avian and mammal identification and surveying fish populations.

Conducted a plant survey to assist in habitat characterization and mapping at the Department of National Defense Fire Fighting Training School near Halifax.

Vascular Plant Survey for Nature Conservancy of Canada, Newfoundland

Lichen and Bryophyte Surveys for Atlantic Canada Conservation Data Center in karst topography, Maritimes, Canada

### **Volunteer Botanical Contributions**

- Working on distribution of Sphagnum and other bryophyte species in Nova Scotia
- Member, Boreal Felt Lichen Recovery Team, Atlantic Population
- Performed curatorial work for the Natural History Museum of Nova Scotia including cataloging in the Herbarium and description writing of mushroom species for a future website on Mushroom collecting for amateurs.
- Volunteered for several plant surveys in Digby, Hants and Halifax counties.
- Reported a number of new locations in Nova Scotia for rare species or species at risk.
- Volunteer, E.C.Smith Herbarium, Acadia University, Wolfville, N.S.
- Collection and identification of fungi and lichens.
- Collection and identification of bryophytes including sphagnum.

### **Publications**

Cameron, R.P., T. Neily and D.H.S. Richardson. 2007. Macrolichen indicators of air quality for Nova Scotia. *Northeastern Naturalist* 14:1-14.

Cameron, R.P. and T. Neily. 2007. Forest Management Practices for the protection of the endangered boreal felt lichen and other cyanolichens at risk in Nova Scotia. Report for the Environment Canada Habitat Stewardship Program. 14 pp.

Cameron, R.P. and T. Neily. 2008. Heuristic model for identifying the habitats of *Erioderma pedicellatum* and other rare cyanolichens in Nova Scotia, Canada. *The Bryologist* 111(4): 2008

Neily, T.H. and F. Anderson. 2010. *Leptogium hibernicum* Mitch. ex P.M.Jørg. discovered in North America. *The Lichenologist* 42(5):629-630.

Cameron, R.P. and Tom Neily and Stephen R. Clayden. 2011. Distribution prediction model for *Erioderma mollissimum* in Atlantic Canada. *The Bryologist* 114(1), pp. 231-238

- Cameron RP, Neily T, Anderson F. 2010b. Observations of mortality in a small population of the endangered lichen *Erioderma pedicellatum*. *Opuscula Philolichenum* **8**: 67-70 .
- Robert P. Cameron, Tom Neily, Harold Clapp. 2013. Forest harvesting impacts on mortality of an endangered lichen at the landscape and stand scales. *Canadian Journal of Forest Research*, 43(5): 507-511
- T. D.Power, R.P.Cameron, T.Neily, B.Toms 2017 Forest Structure and microsite conditions of Boreal Felt Lichen (*Erioderma pedicellatum*) habitat in ape Breton, Nova Scotia, Canada. Botany, in publication
- Clapp, Harold, Neily, Thomas. (2017) *Sphagnum cyclophyllum*: a Second Site in Nova Scotia for a Rare Sphagnum Moss. *Evansia*. 34. 10.1639/0747-9859-34.1.6.

**Jacob Walker, M.Sc.**  
**Avian Specialist**  
**ECA Associate.**



### **Education**

M.Sc Trent University, ON, Canada.

Thesis title: Evaluating singing ground survey timing and detectability of American Woodcock using autonomous audio recorders.

B.Sc Cornell University, Ithaca, NY

### **Professional Experience**

**Research Associate** 2015 - present

Acadia University Biology Department, Wolfville, NS Canada

Statistical data analysis using R to extract biological signals from large and complex datasets. Recent projects include using eBird data to estimate long-term population trends of Canadian birds, and using radar data to assess risk to birds posed by power lines and wind turbines.

### **Bird Surveyor**

Atlantic Canada Conservation Data Centre, Sackville, NB Canada June-July 2017

Conducted bird surveys on federal prison properties and Nature Conservancy of Canada properties across the Maritimes.

**Bird Song Interpreter** January – March 2014-2017

Canadian Wildlife Service, Ottawa, ON Canada

Transcription of acoustic recordings for community analysis and species specific calling rates from song meters located in boreal forests, fens, marshes, and grasslands in Ontario. RavenPro spectrogram software was used to aid auditory interpretation.

**Graduate Research Assistant** 2013 –2015

Trent University, Environmental and Life Sciences M.Sc. Program. Peterborough, ON, Canada.

Four years of song meter recordings from known American Woodcock breeding sites in Ontario were interpreted and analyzed to determine the optimal survey window dates for the Singing Ground Survey, an annual survey used to estimate population trends.

**Research Associate** 2006- 2012

Mississippi Department of Marine Resources, Grand Bay National Estuarine Research Reserve

Conducted breeding marsh bird surveys for six seasons at over 200 locations using call-broadcasting and distance estimation as part of the National Marsh Bird Monitoring Program at Grand Bay NERR and in the Pascagoula River Marsh Coastal Preserve. Conducted seven seasons of winter bird surveys using transects and distance estimation to estimate densities and vegetation use of wintering passerines in the Grand Bay salt marsh, and produced reports and presentations of the results. Conducted shorebird surveys to determine habitat use within the salt marsh, and in 2010 performed shorebird surveys as part of the Natural Resources Damage Assessment of the Deepwater Horizon oil spill. Designed and conducted the first 2 years of an ongoing study of Yellow Rails wintering in coastal MS and AL to determine habitat use, optimal prescribed fire regime and winter territory size using radio telemetry. Completed two years

(2006-2007) of sampling marshes in LA, MS, AL, and FL to determine the habitat preferences of the saltmarsh topminnow *Fundulus jenkinsi*, as part of a five year project to create a conservation action plan for this species of concern. Maintained an air quality monitoring station designed to trace the sources of atmospheric mercury deposition for NOAA's Air Resources Laboratory.

**Field Research Technician 2006**

Warnell School of Forest Resources, The University of Georgia, Athens, GA, USA

Monitored breeding marsh birds throughout the Grand Bay National Estuarine Research Reserve and the Pascagoula River marsh using the National Marsh Bird Monitoring Program protocol. Clapper rail breeding biology was studied in depth, including nest monitoring and radio telemetry.

**Field Research Technician 2006**

Mississippi Department of Marine Resources, Biloxi, MS. Grand Bay National Estuarine Research Reserve, Moss Point, MS, USA.

Conducted weekly transects to assess densities and habitat preferences of wintering salt marsh passerines. Performed weekly shorebird surveys to evaluate habitat usage and species abundance.

**Breeding Bird Atlas Surveyor 2005**

Maryland/D.C. Breeding Bird Atlas Project, Maryland Ornithological Society Baltimore, MD, USA.

Conducted point counts and recorded breeding status of birds in Maryland.

**Field Project Supervisor and Shorebird Surveyor 2005**

Manomet Center for Conservation Sciences, Manomet, MA, USA.

Conducted field research for two separate studies red knots: estimating breeding success using juvenile to adult ratios during fall migration, and comparing energetic costs of different sources of disturbance to shorebirds.

**Point Count Surveyor 2003**

Bird Studies Canada, Port Rowan, ON, Canada

Conducted point counts on transects designed to compare avian use of logged, burned, wind-thrown, and un-cut boreal forest throughout Ontario, Canada.

**Field Research Assistant 2002**

Hudson Bay Project, La Pérouse Bay Arctic Field Station, Churchill, MB May-Aug 2001

Conducted bird surveys in remote stands of boreal forest in northern Manitoba, Canada. Monitored songbirds and shorebirds in sedge-meadow habitats that have been severely degraded by lesser snow geese. Helped band over 17,000 lesser snow geese and Ross's geese.

**Breeding Bird Atlas Surveyor 2002**

New York State, Ithaca, NY, USA

Surveyed breeding birds for the 2000-2005 New York State Breeding Bird Atlas.

**Undergraduate Research Intern 2000**

Cornell Biological Field Station, Shackelton Point, Bridgeport, NY, USA

Monitored the breeding success of a colony of common terns on Oneida Lake, NY. Assisted in a study of the foraging behavior of double-crested cormorants.

## Publications

- Soehren, E. C., S. G. Hereford, K. M. Morris, J. A. Trent, J. Walker, M. S. Woodrey, and S. A. Rush. 2018. Winter use of wet pine savannas by Yellow Rail (*Coturnicops noveboracensis*) along coastal Alabama and Mississippi. *The Wilson Journal of Ornithology*. (In press).
- Walker, J. and P. D. Taylor. 2017. Using eBird data to model population change of migratory bird species. *Avian Conservation and Ecology*, 12(1).
- Ren, X., Luke, W. T., Kelley, P., Cohen, M., Ngan, F., Artz, R., Walker, J., Brooks, S., Moore, C., Swartzendruber, P., Bauer, V., Remeika, J., Hynes, A., Dibb, J., Rolison, J., Krishnamurthy, N., Landing, W. M., Hecobian, A., Shook, J., and Huey, L. G. 2014. Mercury speciation at a coastal site in the northern Gulf of Mexico: Results from the Grand Bay intensive studies in summer 2010 and spring 2011. *Atmosphere*, 5(2), 230-251.
- Lopez, J.D., Peterson, M.S., Walker, J., Grammer, G.L. and Woodrey, M.S. 2010. Distribution, abundance, and habitat characterization of the Saltmarsh topminnow, *Fundulus jenkinsi* (Everman 1892). *Estuaries and Coasts* 34(1):148-158.
- Woodrey, M.S. and Walker, J. 2009. Selected birds of the Grand Bay National Estuarine Research Reserve and vicinity. Mississippi Department of Marine Resources. 124 p.
- Walker, J. 2004. Third nest of Solitary Sandpiper in Ontario. *Ontario Birds* 22(1).

## Selected Presentations

- Northeast Regional Migration Monitoring Network Meeting, 18-19 May 2017. Schoodic Institute, Acadia National Park, Maine. **Walker, J.** and P. D. Taylor. Using eBird data to model population change of migratory bird species. (Oral presentation).
- Grand Bay Research Symposium, 14 October 2011, Grand Bay National Estuarine Research Reserve, Moss Point, MS. Cooper R.J., Rush, S.A., Lehmicke, A.J., Leggett, A.H., **Walker, J.**, and M.S. Woodrey. Ecology of Secretive Marshbirds in Salt Marshes of Coastal Mississippi. (Oral presentation)
- Alabama-Mississippi Bays and Bayous Symposium, 1-2 December 2010, Mobile, Alabama. Variation in the abundance, distribution, and habitat associations of passerines wintering in salt marshes of the Grand Bay National Estuarine Research Reserve. Walker, J., Woodrey, M.S. and R.J. Cooper. (Poster)
- Mississippi Coast Audubon Society, 21 September 2009, Biloxi, Mississippi. Walker, J. and A.K. Walker. Birds of Japan. (Oral presentation)

## Professional Activities

- Jan 2018-present Board Member, Blomidon Naturalists Society
- Oct 2014-present Regional Editor for eBird in Nova Scotia
- Oct 2006-present Regional Editor for eBird in Mississippi
- Fall 2011- Dec 2015 Alabama Bird Records Committee member, Alabama Ornithological Society
- May 2010-Jan 2014 Mississippi Bird Records Committee member, Mississippi Ornithological Society
- Jan 2011-Oct 2012 Vice-President, Mississippi Ornithological Society
- May 2009-May 2011 President, Mississippi Coast Audubon Society
- May 2007-May 2011 Board Member, Mississippi Coast Audubon Society