

Paul R. Schilke

Master Student

Department of Forest and Wildlife Ecology, University of Wisconsin-Madison

1630 Linden Drive, Madison, WI 53706, USA

pschilke@wisc.edu

EDUCATION

Master of Science, Forest Ecology
University of Wisconsin-Madison

entered Aug 2012

Bachelor of Science, Wildlife Ecology (*with distinction*)
University of Wisconsin-Madison

May 2008

EXPERIENCE

WI-DNR

May-Aug 2012

Forest Ecology Technician

- ❖ Conducted avian point counts along the Lower Wisconsin State Riverway in southwest Wisconsin
- ❖ Documented habitat preference of rare birds and land use history and forest characteristics of study area
- ❖ Identified all birds and plants and measured vegetation characteristics in study plots

USFWS and WI-DNR

June-Aug 2010

Nest Monitor

- ❖ Monitored known nesting colony and conducted surveys to determine status and productivity of the federally endangered Kirtland's Warbler in Wisconsin
- ❖ Evaluated pine plantations/barrens in central and northern Wisconsin to determine suitability for Kirtland's Warblers
- ❖ Presented results at annual Kirtland's Warbler Recovery Team meeting

UW-Madison Dept. of Forestry-Pidgeon Laboratory

April-May 2010

Songbird Field Technician

- ❖ Surveyed neotropical migrant songbirds in forests and savannas to determine feeding habits and vegetation preferences using transect point counts and meander surveys
- ❖ Categorized leaf and flowering phenology of forest and savanna trees
- ❖ Measured and identified woody vegetation by buds using point/center/quarter to characterize study sites

UW-Madison Dept. of Wildlife Ecology-Ribic Laboratory

Summer 2008

Grassland Bird Field Technician

- ❖ Located nests of grassland birds on private lands in Southwest Wisconsin as part of a long-term cooperative research project of the Wisconsin DNR and the USGS Cooperative Wildlife Research Unit
- ❖ Marked and monitored nests using GPS to determine reproductive success
- ❖ Used color banding to map birds' territories
- ❖ Measured herbaceous grassland vegetation to quantify composition and structure preferences of grassland birds

UW –Madison Dept. of Forestry-Radeloff Laboratory

Summer 2006

Avian Field Technician

- ❖ Surveyed in the Baraboo Hills hardwood forest of southern Wisconsin to measure bird and vegetation diversity on both public and private forest lands
- ❖ Conducted point counts and nest searches using GPS survey points
- ❖ Monitored nest phenology of forest songbirds
- ❖ Measured and identified all vegetation and merchantable timber to verify LIDAR satellite data and quantify structure and composition of canopy and groundlayer

UW-Madison Center for Limnology-Vander Zanden Laboratory

9/2005- 12/2007

Laboratory Technician

- ❖ Measured and identified >3000 invertebrate insects specializing in the challenging family of midges (Chironomidae)
- ❖ Coauthored a paper in the *Journal of the North American Benthological Society* measuring patterns of energy production in lakes
- ❖ Created a research presentation examining patterns of invertebrate diversity in lakes for independent study credits
- ❖ Sampled zooplankton and benthos of lakes in the northern highlands district of Wisconsin
- ❖ Managed large excel database of measurements and laboratory data

Long-Term Ecological Monitoring Laboratory at Trout Lake Research Station

Summer 2007

Laboratory Technician

- ❖ Completed analysis of water samples from five lakes in northern Wisconsin to determine level of primary production of phytoplankton in the summer of 2007
 - ❖ Developed protocol for new sampling sites based on 15 years of previous data
 - ❖ Successfully maintained safe lab environment by measuring levels of radioactivity in research station
 - ❖ Cooperated with two different research groups to share and maintain field and laboratory equipment on behalf of my laboratory group
 - ❖ Operated small watercraft on public and private lakes several times per week
-

PRESENTATIONS

Extracolonial Kirtland's Warblers in Wisconsin-2010. Kirtland's Warbler Recovery Team Meeting, Roscommon, Michigan. July 2010

Ecological and Economic Sustainability of Tourism in West Mexico. Undergraduate Research Symposium, Madison, Wisconsin. April 2008

Biodiversity of Chironomids in a North Temperate Lake. Undergraduate Research Symposium. Madison, Wisconsin. April 2006

PUBLICATIONS

(Peer-reviewed)

Babler, A.L., C. T. Solomon, and P. R. Schilke, Depth-specific patterns of benthic secondary production in an oligotrophic lake. *Journal of the North American Benthological Society*: March 2008, Vol. 27, No. 1, pp. 108-119.

(Other)

"Oconto County" in Wisconsin's Favorite Bird Haunts. Ed. Daryl D. Tessen. Wisconsin Society for Ornithology. 2009.

Schilke, P.R. Monitoring of Extracolonial Kirtland's Warblers in Wisconsin. *Passenger Pigeon*. Spring 2011. Vol. 73, No. 2, pp. 73-79.

HONORS/AWARDS

NSF Graduate Research Fellowship (2012)

Cora I. Jayne Academic Merit Award (2005)

Vicky Lee Hirsch Natural Resources Scholarship (2006, 2007)

Scholarship to attend 2006 Wildlife Society conference in Alaska (2006)

Finalist - College of Ag. & Life Sciences Outstanding Sophomore Award (2006)

Phi Eta Sigma honor society (2006)

Bernard Brouchoud Bird Conservation Scholarship (2007)

MEMBERSHIPS

Wisconsin Society for Ornithology

SKILLS AND CERTIFICATIONS

Can identify all Wisconsin birds, mammals, herptiles and majority of vascular plants in the field

Extensive research experience in forest, savanna, grassland, and aquatic natural communities

Familiar with vegetation measurement and quantification

Raptor education and handling one-week course

Proficient mist-netting Midwestern songbirds (~30 hours of experience)

Animal Care and Use certified by UW-Madison

Slide Mounting and compound and dissecting microscopy (over 200 hours)

Molecular cloning and gel electrophoresis experience (Microbiology techniques course)

Max McGraw Future Conservation Leaders hunting education course

Furbearer trapping education course
