

Curriculum Vitae

Steve K. Windels

EDUCATION

Ph.D. Wildlife Ecology, Michigan Technological University
M.S. Range and Wildlife Management, Texas A&M University – Kingsville
B.S. Fisheries and Wildlife Management, University of Minnesota

CERTIFICATIONS

Certified Wildlife Biologist®, The Wildlife Society (2010-Present)

CURRENT POSITIONS

Research Wildlife Biologist (GS401-12), Voyageurs National Park, MN (2012-present)
Adjunct Faculty, Integrated Biological Sciences, University of Minnesota-Duluth
Adjunct Faculty, Faculty of Forestry and Forest Environment, Lakehead University
Adjunct Faculty, Biology Department, Bemidji State University

EMPLOYMENT HISTORY

Ecologist (GS401-11), Voyageurs National Park, MN (2003-2012)
Adjunct Instructor, Department of Biology, Northern Michigan University (2002)
Graduate Research Assistant, Michigan Technological University (2000-2003)
Seasonal Biological Technician, Pictured Rocks National Lakeshore, MI (2000)
Outdoors Writer, Grand Rapids Herald-Review, MN (1999-2000)
Graduate Research Assistant, Texas A&M University – Kingsville (1996-1999)
Undergraduate Research Assistant, University of Minnesota (1993-1996)

CURRENT PROJECTS

Mammals

The ecology of beavers in lake environments.
Investigations of the effects of climate change on moose in Voyageurs National Park area
(with R. Moen).
Population status of gray wolves in Voyageurs National Park (with R. Moen)
Effects of deer and moose herbivory on Canada yew growth and survival

Birds

Top-down effects of bald eagles on avian prey species in the southern boreal forest
region.
Diet composition, movements, and survival of double-crested cormorants in Border
Lakes region.
Methylmercury exposure in songbirds in mercury-sensitive landscapes (with J. Weiner,
R. Tysner, T. Custer, and C. Custer).

Climate Change

Climate change adaptation planning for northern forest parks in the Great Lakes (with R.
Moen and L. Frelich)

PEER-REVIEWED PUBLICATIONS (including those in review)**2014**

- Cyr, T., **S.K. Windels**, R.A. Moen, and J.W. Warmbold. In review. Diversity and abundance of terrestrial gastropods in Voyageurs National Park, MN: implications for risk of moose to *Parelaphostrongylus tenuis* infection. *Alces*.
- McCann, N.P., R.A. Moen, and **S.K. Windels**. In review. Identifying thermal refugia for a cold-adapted mammal facing climate change. *Ecology*.
- Olson, B.T., **S.K. Windels**, M. Fulton, and R.A. Moen. In review. Fine-scale temperature patterns in the southern boreal forest: implications for the cold-adapted moose. *Alces*.
- Windels, S.K.**, and D.J. Flaspohler. In Press. Considerations for conservation and restoration of Canada yew in protected areas. *Natural Areas Journal* xx:xxx-xxx.

2013

- Severud, W.J., J.L. Belant, **S.K. Windels**, and J.G. Bruggink. 2013. Seasonal variation in assimilated diets of American beavers. *American Midland Naturalist* 169:30-42.
- Severud, W.J., **S.K. Windels**, J.L. Belant, and J.G. Bruggink. 2013. The role of forage availability on diet choice and body condition in American beavers (*Castor canadensis*). *Mammalian Biology* 78: 87-93.
- Shaw, S.L., S. R. Chipps, **S.K. Windels**, M. A. H. Webb, D. McLeod, and D.W. Willis. 2013. Influence of reproductive status on seasonal movement of lake sturgeon (*Acipenser fulvescens*) in Namakan Reservoir Minnesota and Ontario. *Canadian Journal of Fisheries and Aquatic Sciences* 142: 10-20.
- Zhang, G.-M., A.-X. Zhu, S.-T. Yang, C.-Z. Qin, W. Xiao, and **S.K. Windels**. 2013. Mapping wildlife habitat suitability using kernel density estimation. *Acta Ecologica Sinica* xx:xxx-xxx.
- Windels, S.K.** 2013. Ear tag loss rates in American beavers. *Wildlife Society Bulletin* 38:122-126.
- Windels, S.K.**, E.A. Beever, J. D. Paruk, A.R. Brinkman, J.E. Fox, C.C. Macnulty, David C. Evers, Lori S. Siegel, and Douglas C. Osborne. 2013. Effects of water-level management on nesting success of common loons. *Journal of Wildlife Management* 77:1626-1638.
- Windels, S.K.**, and D.J. Flaspohler. 2013. Scale dependent browsing patterns on Canada yew (*Taxus canadensis*) by white-tailed deer (*Odocoileus virginianus*). *International Journal of Forestry Research* Vol. 2013, Article ID 276583, doi:10.1155/2013/276583.

2012

- Moen, R.A., and **S.K. Windels**. 2012. Lynx habitat suitability in and near Voyageurs National Park. *Natural Areas Journal*. 32: 500-507.
- Shaw, S.L., S. R. Chipps, **S. K. Windels**, D. McLeod, M. A. H. Webb, and D.W. Willis. 2012. Lake sturgeon population attributes in Namakan Reservoir, Voyageurs National Park, Minnesota. *Journal of Applied Ichthyology* 28: 168-175.

2011

- Severud, W.J., J.L. Belant, J.G. Bruggink, and **S.K. Windels**. 2011. Predator cues reduce American beaver use of foraging trails. *Human Wildlife Interactions* 5:296-305.
- Travis, S.E., J. Marburger, **S. K. Windels**, and B. Kubátová. 2011. Clonal structure of invasive cattail (*Typhaceae*) in the Western Great Lakes Region of North America. *Wetlands* 31: 221-230.
- Windels, S.K.**, and D.J. Flaspohler. 2011. The ecology of Canada yew: a review. *Botany* 89: 1-17.
- Windels, S. K.**, and D. G. Hewitt. 2011. Effects of plant secondary compounds on nutritional carrying capacity estimates of a browsing ungulate. *Range Ecology and Management* 64: 264-275.

<2010

- Snow, A., S. Travis, R. Wildova, T. Fer Charles, P. Sweeney, J. Marburger, **S. K. Windels**, B. Kubatova, and D. Goldberg. 2010. DNA markers for studies of hybridizing cattail populations (*Typha latifolia* x *T. angustifolia*) in North America. *American Journal of Botany* 97:2061-2067.
- Travis, S.E., J. Marburger, **S. K. Windels**, and B. Kubátová. 2009. Clonal diversity and hybridization dynamics of invasive cattail (*Typhaceae*) stands in the Great Lakes Region of North America. *Journal of Ecology* 98: 7-16.
- Windels, S.K.**, and P.A. Jordan. 2008. Winter use of senescent herbaceous plants by white-tailed deer in Minnesota. *American Midland Naturalist* 160:255-260.
- Belant, J.L., and **S.K. Windels**. 2007. A field test of a multiple-capture live trap for small mammals. *Ohio Journal of Science* 107: 16-18.
- Belant, J.L., and **S.K. Windels**. 2003. Small mammal abundance and diversity in forests with and without Canada Yew, *Taxus canadensis*. *Canadian Field Naturalist* 117: 389-392.
- Windels, S.K.**, D.G. Hewitt, and T. D. A. Forbes. 2003. Effects of aeration on phenolic amine content of guajillo. *Journal of Range Management* 56: 529-533.

MANUSCRIPTS IN PREPARATION

- Windels, S.K.**, P.A. Jordan, and S. Sell. Under siege: persistence of Canada yew over a century of overbrowsing by moose on Isle Royale. Targeted for *Canadian Journal of Zoology*.
- Windels, S.K.**, J. Meeker, and D. Foster. Effects of deer browsing on Canada yew growth and survival in northern hardwood forests. Targeted for *Ecological Restoration*.
- Johnston, C.A., **S.K. Windels**, et al. Wetland-landscape dynamics in a boreal-forest reserve during increase and decline phases of American beavers (1927-2005). Targeted for *Landscape Ecology*.
- McLaren, B.E., D.B. Vincent, D.W. Morris, **S.K. Windels**, and J. Gosse. Poor is relative: optimal foraging by beavers in suboptimal habitats in two landscapes. Targeted for *Canadian Journal of Zoology*.
- Dykstra, J., **S.K. Windels**, and A. Wuenschman. Prevalence of tularemia in a free-ranging beaver population. Targeted for *Journal of Wildlife Diseases*

- Multi-authored, incl. **S.K. Windels**. Multi-Discipline Examination of the Effects of Climate Change in the Ecotone between the Deciduous Forest and Boreal Forest Biomes in northern Minnesota and northwestern Ontario. Target journal TBD.
- Chen, W.C., R.A., Moen, and **S.K. Windels**. The home range and space-use of moose in Voyageurs National Park. Targeted for Alces.
- R. Moen, **S.K. Windels**, S. Moore, M. Schrage, A. Aarhus-Ward, and A. Edwards. Short-term effects of aerial capture on moose. Targeted for Journal of Wildlife Diseases.

TECHNICAL REPORTS AND OTHER PUBLICATIONS

- Windels, S.K.** 2014. 2014 Voyageurs National Park moose survey. NRDS Data Series XX:XXX-XXX.
- Windels, S.K.** 2013. 2013 Voyageurs National Park moose survey. NRDS Data Series XX:XXX-XXX.
- Moen, R., R.O. Peterson, **S.K. Windels**, L. Frelich, and M. Johnson. 2011. Minnesota moose status: progress on moose advisory committee recommendations. Natural Resources Research Institute, University of Minnesota Duluth technical report NRRI/TR-2011-41.
- Trembath, C., **S.K. Windels**, D.T. McLeod, B.E. McLaren, S.R. Chipps, and R. Mackereth. 2011. Lake sturgeon research in the Namakan System: 2010 Progress Report. Report to Voyageurs National Park. Released August 4, 2011. 24p.
- Host, G., P. Meysembourg, **S. K. Windels**, and E.A. Beaver. 2009. Historic and recent landscape changes in relation to beaver activity in Voyageurs National Park, Minnesota, USA. Report to Voyageurs National Park. 50p.
- Moen, R.A., and **S.K. Windels**. 2009. Lynx habitat suitability in and near Voyageurs National Park. NRRI Technical Report No. NRRI/TR-2009/19 Release 1.0
- Route, B., **S. K. Windels**, and J. Schaberl, 2007. Status of Canada Lynx in Voyageurs National Park, 2000 – 2004. Great Lakes Inventory and Monitoring Network. Technical Report GLKN/2007/02. National Park Service, Ashland, WI.
- Windels, S.K.** 2006. Least Flycatcher. Pages 276-277 In Wisconsin Breeding Bird Atlas (Noel Cutright, Ed.). University of Wisconsin Press.
- Marburger, J., S.E. Travis, and **S.K. Windels**. 2005. Cattail sleuths. Natural Resource Year in Review. National Park Service, Fort Collins, CO.
- Windels, S.K.**, and D.J. Flaspohler. 2003. The Decline of Canada Yew in Upper Great Lakes Forests: Implications for Regional Biodiversity. Report to MI DNR Natural Heritage Program. 13p.
- Windels, S.K.**, and D.J. Flaspohler. 2001. Potential cascading trophic effects related to the decline of Canada yew in the Upper Great Lakes Region: 2001 preliminary results. Report to Michigan Department of Natural Resources Natural Heritage Program. 11p.
- Windels, S.K.**, and D.J. Flaspohler. 2001. Potential cascading trophic effects related to the decline of Canada yew in the Upper Great Lakes Region. Report to TNC-MI. 12p.
- Windels, S.K.** 1999. Population viability analysis of Black Terns for U.S. Forest Service Region 9. Report to U.S. Forest Service Region 9. 15p.

Windels, S. K., and J. R. Kitts. 1993. Feeding rates of double-crested cormorants and American white pelicans on lakes and ponds in western Minnesota, and potential impacts on aquaculture industry. Report to Minnesota Department of Agriculture. 19p.

TEACHING /LECTURE EXPERIENCE

Instructor, Department of Interior ITAP Program, Oman (March 2012)
Instructor, Department of Interior ITAP Program, Tanzania (September 2010)
Adjunct Instructor, Introduction to Ecology (3cr lecture + 1 cr lab), Department of Biology, Northern Michigan University, Marquette, MI. (2002)
Guest lecturer for various ecology and natural resource management courses at Texas A&M University-Kingsville, Antonio Narro University (Mexico), Michigan Technological University, Northern Michigan University, St. Cloud State University, and Lakehead University (Canada) (1998-2006)

GRADUATE STUDENT ADVISING

1. David Morris, M.S. Student, Lakehead University (co-advisor with Brian McLaren). “Moose use of beaver ponds: thermal refuge or foraging habitat?”
2. Bryce Olson, M.S. Student, Bemidji State University (co-advisor with Mark Fulton). 2013. “Modeling the thermal landscape for moose in Voyageurs National Park.”

SERVICE ON GRADUATE STUDENT COMMITTEES

1. Amanda McGraw, PhD Student, University of Minnesota-Duluth. “Understanding response to forest disturbance of two sympatric herbivores.”
2. Tim Cyr, M.S. Student, University of Minnesota-Duluth. “Moose risk of *P. tenuis* (brainworm) infection in Minnesota.”
3. Rachel Ward, M.S. Student, University of Minnesota-Duluth. “Moose browsing ecology in Minnesota.”
4. William Chen, PhD Student, University of Minnesota-Duluth. “Moose foraging ecology and habitat use in Voyageurs National Park.”
5. Jacob Randa, M.S., North Dakota State University. 2012. “The effects of diet on double-crested cormorant chick health.”
6. Matthew Lebron, M.S., Lakehead University. 2012. “Development of a habitat suitability model for Lake Sturgeon (*Acipenser fulvescens*) feeding in lakes.”
7. William Severud, M.S., Northern Michigan University. 2011. “The effect of predator avoidance on beaver diet and fitness.”
8. Douglas Vincent, M.S., Lakehead University. 2009. “The effect of predatory risk on foraging activities of the North American beaver (*Castor canadensis*).”

MENTORSHIP OF STUDENT RESEARCH AT VOYAGEURS NAT’L PARK

1. Matthew Lebron, B.Sc. Honors, Lakehead University. 2009. “Lodge exposure and preferred forage areas: influence on beaver family persistence at lodge sites.”
2. Marsha-Lynn Young, B.Sc. Honors, Lakehead University. 2011. “Aquatic plant succession and food availability for moose in beaver ponds.”

3. H el ene de Paoli, M.S. Student, Universit e de Pau et des Pays L'Adour (France): "Beavers: survey and effects on vegetation." (with B. McLaren)
4. Laurent Gaillard, M.S. Student, Universit e de Pau et des Pays L'Adour (France): "Habitat selection by beaver (*Castor canadensis*) in lodge establishment and an assessment of several environmental factors on beaver condition at Voyageurs National Park (Minnesota, USA)." (with B. McLaren)
5. Andrew Nadeau, B.S. Honors, St. Mary's University: "A synthesis and analysis of the great blue heron (*Ardea herodias*) monitoring program in Voyageurs National Park."

COMPETITIVE RESEARCH GRANTS (\$1,580,631 Total)

1. **S.K. Windels** et al. 2014. Bat monitoring and white-nosed syndrome in northern forested parks. Funding for \$74,000 from National Park Service Biological Resource Division for 2014-2015.
2. **S.K. Windels**. 2013. Determine impact of MN wolf harvest season on wolf population in Voyageurs National Park. Funding for \$75,000 from National Park Service Natural Resource Preservation Program for 2016-2018.
3. **S. K. Windels**. 2012. Assess Threat of Raccoons--A New Predator in Voyageurs National Park. Funding for \$22,971 from National Park Service Natural Resource Preservation Program for 2014-2015.
4. **S. K. Windels**. 2012. Determine Status of Recently-Delisted Gray Wolves in Voyageurs National Park. Funding for \$24,850 from National Park Service Natural Resource Preservation Program for 2013-2014.
5. R. Moen, L. Frelich, and **S. K. Windels**. 2012. Climate change adaptation planning for northern forest ecosystems in the Great Lakes National Parks. Funding for \$466,420 from National Park Service for 2013-15.
6. **S. K. Windels**. 2011. Characteristics of moose bedding sites and implications for relieving thermal stress. Funding for \$2250 from Great Lakes Research and Education Center for 2012.
7. **S. K. Windels**. 2011. Moose on the Loose: Connecting Real-Time Research with Visitor Education. Funding for \$5000 from Friends of Voyageurs National Park for 2011.
8. J. Wiener, R. Tyser, T. Custer, C. Custer, and **S. K. Windels**. 2010. Methylmercury exposure in songbirds in mercury-sensitive landscapes in Voyageurs National Park. Funding for \$110,000 from National Park Service Air Quality-Ecological Effects program for 2012-2014.
9. **S. K. Windels**. 2010. Assess impacts of lead tackle on loons, eagles, and waterbirds in Voyageurs National Park. Funding for \$19,940 from National Park Service Natural Resource Preservation Program for 2011-2012.
10. R. Moen, **S. K. Windels**, and M. Nelson. 2009. Investigate effects of climate change and other factors on population viability of moose in Voyageurs National Park. Funding for \$307,000 from USGS-NPS Natural Resource Preservation Program for 2009-2012.
11. **S. K. Windels**, and J. Belant. 2009. Investigate threats to moose from sympatric white-tailed deer. Funding for \$18,000 from National Park Service Natural Resource Preservation Program for 2009-2010.

12. **S. K. Windels**, W. Reed, and J. Randa. 2009. Diet composition of breeding double-crested cormorants (*Phalacrocorax auritus*) on Rainy Lake, Canada. Funding for \$4,000 from Ontario Ministry of Natural Resources for 2009.
13. **S. K. Windels**. 2009. Investigation of double-crested cormorants in the Voyageurs National Park area: population characteristics, foraging ecology, and diet. Funding for \$2,000 from Rainy Lake Conservancy for 2008-2009.
14. **S. K. Windels**. 2008. Investigation of double-crested cormorants in the Voyageurs National Park area: population characteristics, foraging ecology, and diet. Funding for \$18,000 from National Park Service Natural Resource Preservation Program for 2008-2009.
15. L. Kallemeyn, and **S. K. Windels**. 2008. Assessing the Effects of the Namakan Reservoir Operations on Lake Sturgeon Ecological Habitats. Funding for \$295,000 from National Park Service Natural Resource Preservation Program for 2008-2011.
16. T. Wolf, and **S. K. Windels**. 2007. Prevalence of tularemia and other diseases in a unharvested beaver population. Funding for \$2,500 from Minnesota Zoo, Ulysses S. Seal Conservation Grant Program for 2007-2008.
17. R. Moen, and **S. K. Windels**. 2007. Improve limited knowledge of Canada lynx in Voyageurs National Park. Funding for \$49,000 from National Park Service, Biological Resource Management Division – Competitive for 2007-2009.
18. **S. K. Windels**. 2007. Bias assessment of a new beaver population estimation method. Funding for \$2,500 from Voyageurs National Park Association for 2007.
19. **S. K. Windels**. 2007. Census beavers in Voyageurs National Park. Funding for \$13,000 from National Park Service Natural Resource Preservation Program for 2007-2008.
20. **S. K. Windels**, G. Host, P. Meysembourg, and E. Beaver. 2006. A comparison of recent and historic landscape changes by beaver activity in Voyageurs National Park, 1927-2005. Funding for \$28,000 from National Park Service – Great Lakes Inventory and Monitoring Program for 2006-2009.
21. **S. K. Windels**, and J. Snyder. 2005. Scanning, georeferencing, and mapping the 1927 photography set for Voyageurs National Park. Funding for \$31,000 from National Park Service – Great Lakes Inventory and Monitoring Program for 2005-2007.
22. S. Travis, J. Marburger, and **S. K. Windels**. 2004. The role of hybridization in cattail (*Typha* spp.) invasions of freshwater wetlands in Great Lakes National Parks. Funding for \$70,000 from USGS Park Oriented Biological Support for 2004-2006.
23. **S. K. Windels**. 2002. Changes in Canada yew distribution and structure in northern Wisconsin: 1992-2002. Funding for \$2,000 from Chequamegon-Nicolet National Forest for 2002.
24. **S. K. Windels**. 2002. Changes in Canada yew distribution and structure in northern Wisconsin: 1992-2002. Funding for \$2,000 from Wisconsin Academy of Arts, Sciences, and Letters- Lois Almon Grant for 2002.
25. **S. K. Windels**, and D. Flaspohler. 2001. The ecology of Canada yew and associated vertebrate communities. Funding for \$10,000 from Michigan

- Department of Natural Resources- Natural Heritage Grants Program for 2001-2003.
26. **S. K. Windels**, and D. Flaspohler. 2001. The ecology of Canada yew and associated vertebrate communities. Funding for \$1,850 from The Nature Conservancy - Michigan for 2001-2002.
 27. **S. K. Windels**, and P. Jordan. 1994-1996. Winter moose browsing on balsam fir in relation to available hardwood browse at Isle Royale National Park, Michigan. Funding for a combined \$5,350 from University of Minnesota Undergraduate Research Grant Program for 1994-1996.
 28. **S. K. Windels**, and J. Kitts. 1993. Feeding and visitation rates of double-crested cormorants and American white pelicans on aquaculture ponds. Funding for \$3,000 from Minnesota Department of Agriculture for 1993.

HONORS AND AWARDS

1. National Park Service - Midwest Region Natural Resource Manager of the Year (2008)
2. Michigan Technological University - DeVlieg Award (2002)
3. Michigan Technological University – Recruitment Fellowship (2000)
4. 4th International Moose Symposium Student Travel Award (1997)
5. University of Minnesota - J. Donald Smith Award (1996)

PROFESSIONAL AFFILIATIONS AND ACTIVITIES

- Minnesota Chapter of The Wildlife Society (2003-present)
 - Chair-elect (2013)
- The Wildlife Society (1996-present)
 - Associate Editor – Book Reviews, Journal of Wildlife Management (2011-2013)
 - Caesar Kleberg Award Committee (2011-2012)
 - Restoration Working Group (1997-present)
 - Chair-elect (2001-2002)
 - Chair (2002-2003)
 - Past-Chair (2003-2004)
 - Newsletter Editor (1999-2004)
 - Steady State Working Group (2000-present)
 - Reviewer, Journal of Wildlife Management
- Natural Areas Association (2004-present)
 - Associate Editor (Wildlife Ecology), Natural Areas Journal (2012-present)
 - Reviewer, Natural Areas Journal
- Alces (2012-present)
 - Reviewer, Alces
- American Society of Mammalogists (1996-1999, 2009-present)
 - Reviewer, Journal of Mammalogy

CONFERENCE/SYMPOSIA/WORKSHOP PLANNING

- 45th North American Moose Conference and Workshop (2010)
 - Co-Chair/Host, Organizing Committee

- 20th The Wildlife Society Conference (October 2013)
 - Co-organizer, Moose Management and Research in Midwest Symposium
- 71st Midwest Fish and Wildlife Conference (2010)
 - Co-organizer, Cormorant Ecology and Management Symposium
- 141st American Fisheries Society Conference (2012)
 - Co-organizer, Cormorant-Fisheries Interactions Symposium
- Cormorant Management and Research in Minnesota and Ontario Workshop (2010)
 - Organizer/Host

INVITED SEMINARS AND CONFERENCE PRESENTATIONS

1. **S.K. Windels.** Lessons from a small, isolated moose population along the southern extent of moose range. Invited speaker. Moose Health: Management Challenges with Growing Ungulate Populations, Uppsala, Sweden, October 2013.
2. Olson, B.T., **S.K. Windels**, and R.A. Moen. Habitat use patterns of moose in Voyageurs National Park: Implications of Climate Change. 20th Meeting of the The Wildlife Society, Milwaukee, WI, October 2013 (oral).
3. McCann, N., R.A. Moen, and **S.K. Windels.** Influence of temperature on bedsite selection in moose. 20th Meeting of the The Wildlife Society, Milwaukee, WI, October 2013 (oral).
4. Olson, B.T., **S.K. Windels**, and R.A. Moen. Measurement and modeling of the thermal landscape for moose. 47th North American Moose Conference and Workshop, New Hampshire, May 2013 (oral).
5. Cyr, T., **S.K. Windels**, and R.A. Moen. Terrestrial gastropod diversity and abundance in southern boreal forests: implications for individual disease risk in moose. Targeted for Alces. 47th North American Moose Conference and Workshop, New Hampshire, May 2013 (oral).
6. Morris, D., **S.K. Windels**, and B. McLaren. Aquatic macrophyte richness and yield within aquatic patches available to moose in Voyageurs National Park, Minnesota. 47th North American Moose Conference and Workshop, New Hampshire, May 2013 (oral).
7. McCann, N., R.A. Moen, and **S.K. Windels.** Influence of temperature on bedsite selection in moose. 47th North American Moose Conference and Workshop, New Hampshire, May 2013 (oral).
8. Morris, D., **S.K. Windels**, and B. McLaren. Moose aquatic habitat use across the boreal forest: a review. 47th North American Moose Conference and Workshop, New Hampshire, May 2013 (poster).
9. **Windels, S.K.** Long-distance dispersal by beavers is facilitated in hydrologically connected systems. Lake of the Woods Water Quality Forum.
10. R.A. Moen, **S.K. Windels**, S. Moose, and A. Edwards. 2012. Identifying cow movements and parturition sites using GPS collars with short intervals. 7th International Moose Symposium, Bialowieza, Poland, August 2012 (oral presentation).
11. Morris, D.M., **S.K. Windels**, B. M. McLaren, and R.A. Moen. 2012. Factors driving summer aquatic patch use by moose (*Alces alces*) near their southern

- range periphery in Voyageurs National Park, Minnesota, USA. 7th International Moose Symposium, Bialawieza, Poland, August 2012 (poster presentation).
12. Olson, B.T., **S.K. Windels**, M.R. Fulton, and R.A. Moen. 2012. Measurement and modeling of thermal landscape for moose at Voyageurs National Park. 7th International Moose Symposium, Bialawieza, Poland, August 2012 (poster presentation).
 13. **Windels, S.K.**. 2012. Bald eagles as agents of cormorant control. 142nd American Fisheries Society Meeting, Minneapolis, MN, August 2012 (oral presentation).
 14. **Windels, S.K.**. 2011. Bald eagles as agents of cormorant control. Raptor Research Meeting, Duluth, MN, October 2011 (oral presentation).
 15. **Windels, S.K.**. 2011. Bald eagles as agents of cormorant control. The Wildlife Society-Canada Section Meeting, Thunder Bay, ONT, September 2011 (oral presentation).
 16. Olson, B.T., **S.K. Windels**, M.R. Fulton, and R.A. Moen. 2011. Measurement and modeling of thermal landscape for moose at Voyageurs National Park. The Wildlife Society-Canada Section Meeting, Thunder Bay, ONT, September 2011 (poster presentation).
 17. Deslauriers, D., C.A. Trembath, D.T. McLeod, **S. K. Windels**, S.R. Chipps, and B.E. McLaren. 2011. Lake sturgeon in the Namakan: a focus on movement trends and spawning environments. 4th Annual Sturgeon and Paddlefish Conference, Nanaimo, B.C. (poster presentation).
 18. Moen, R. A., **S.K. Windels**, S. Moore, A. Edwards, M. Schrage, and E. Butler. 2011. Response of moose to capture by netgun and darting. 46th North American Moose Conference and Workshop, Jackson, WY (oral presentation).
 19. Olson, B.T., **S.K. Windels**, M.R. Fulton, and R.A. Moen. 2011. Measurement and modeling of thermal landscape for moose at Voyageurs National Park. 46th North American Moose Conference and Workshop, Jackson, WY (poster presentation).
 20. Chen, W.C., R.A. Moen, and **S. K. Windels**. 2011. The home range and space use of moose in Voyageurs National Park. 46th North American Moose Conference and Workshop, Jackson, WY (poster presentation).
 21. **Windels, S.K.** 2011. Ancient freshwater giants of the Namakan. Voyageurs National Park Association Annual Meeting, April 2011 (scheduled oral presentation)
 22. **Windels, S.K.**. 2010. Bald eagles as agents of cormorant control. 71st Midwest Fish and Wildlife Conference, December 2010 (oral presentation)
 23. **Windels, S.K.**. 2010. Monitoring the ecological effects of lake level management on Voyageurs National Park using beavers (*Castor canadensis*). 71st Midwest Fish and Wildlife Conference, December 2010 (oral presentation)
 24. Shaw, S.L., S. R. Chipps, **S. K. Windels**, D. McLeod, M. A. H. Webb, and D.W. Willis. 2010. Lake sturgeon reproductive structure and seasonal movement patterns, Voyageurs National Park. 140th American Fisheries Society Annual Meeting, September 2010 (oral presentation).
 25. **Windels, S.K.**. 2010. Monitoring the ecological effects of lake level management on Voyageurs National Park using beavers (*Castor canadensis*). 24th Annual Meeting of the Society for Conservation Biology, July 2010 (poster presentation).

26. **Windels, S.K.** 2010. Moose research in Voyageurs National Park – Past and Present. 45th North American Moose Conference and Workshop, June 2010 (oral presentation).
27. Moen, R., S. Moore, **S.K. Windels**, A. Aarhus-Ward, A. Edwards, T. Wolfe, and E. Butler. 2010. Monitoring post-capture movement rates of moose using GPS locations downloaded via Argos. 45th North American Moose Conference and Workshop, June 2010 (oral presentation).
28. Stever, R., R. Moen, and **S.K. Windels**. 2010. Using GoogleEarth and ArcView software to rapidly evaluate habitat use by moose. 45th North American Moose Conference and Workshop, June 2010 (poster presentation).
29. **Windels, S.K.** 2010. The role of mammalian herbivores in structuring biological communities. University of North Dakota Department of Biology Departmental Seminar, April 2010 (oral presentation).
30. **Windels, S.K.**, and L. Grim. 2010. Double-crested cormorant survival, movements, and habitat use in Voyageurs National Park Area. Cormorant Ecology and Management in Minnesota and Ontario Workshop, March 2010 (oral presentation).
31. **Windels, S.K.**. 2010. Double-crested cormorant survival, movements, and habitat use in Voyageurs National Park Area. MN Chapter of The Wildlife Society, February 2010 (oral presentation).
32. Olson, B., and **S.K. Windels**. 2010. Changes in White-tailed Deer Distribution, Abundance, and Parasite Loads in Voyageurs National Park, 1979-2009: Implications for the Moose Population in Minnesota's Only National Park. MN Chapter of The Wildlife Society, February 2010 (poster presentation).
33. **Windels, S.K.** 2010. The role of herbivory in the decline of Canada yew, an important understory plant. Lakehead University Department of Forestry Departmental Seminar, January 2010 (oral presentation).
34. **Windels, S.K.** 2009. Monitoring the ecological effects of lake level management on Voyageurs National Park using beavers (*Castor canadensis*). 7th Annual Western Great Lakes Research Conference, Ashland, WI (oral presentation).
35. **Windels, S.K.** 2009. Monitoring the ecological effects of lake level management on Voyageurs National Park using beavers (*Castor canadensis*). Lake of the Woods Water Quality Forum, International Falls, MN (oral presentation).
36. **Windels, S.K.**, S. Shaw, S. Chipps, D. Willis, and D. McLeod. 2009. Lake Sturgeon population characteristics, movements, and habitat use in the Namakan Reservoir: preliminary results. 6th Annual Lake of the Woods Water Quality Forum, International Falls, MN (oral presentation).
37. Snow, A., S. Travis, R. Wildova, T. Fer Charles, P. Sweeney, J. Marburger, **S.K. Windels**, B. Kubatova, and D. Goldberg. 2009. DNA markers for studies of hybridizing cattail populations (*Typha latifolia* x *T. angustifolia*) in North America. Society of Wetland Scientists, 2009 International Conference, Madison, WI (oral presentation).
38. Travis, S.E., J. Marburger, **S. K. Windels**, and B. Kubátová. Clonal diversity and hybridization dynamics of invasive cattail (*Typhaceae*) stands in the Great Lakes Region of North America. Society of Wetland Scientists, 2009 International Conference, Madison, WI (oral presentation).

39. **Windels, S.K.**, and D. McLeod. 2009. Sturgeon research in the Namakan Reservoir. Heart of the Continent Project, January 2009 (oral presentation).
40. **Windels, S.K.** 2008. The role of herbivory in the decline of Canada yew, an important understory plant. North Dakota State University Biology Departmental Seminar, October 2008 (oral presentation).
41. **Windels, S.K.** 2008. The ecology of Canada yew (*Taxus canadensis* Marsh.): a declining species. Michigan Technological University, School of Environmental Science and Forest Resources Seminar, September 2008 (Dissertation Seminar).
42. Severud, W.J., J.G. Bruggink, J.L. Belant, and **S.K. Windels**. 2008. The effect of predation avoidance on beaver diet. Midwest Fisheries and Wildlife Conference, Columbus, OH, December 2008 (poster presentation).
43. Shaw, S.L., S.R. Chipps, D.W. Willis, **S.K. Windels**, and D. McLeod. 2008. Seasonal distribution of adult lake sturgeon in Namakan Reservoir, Voyageurs National Park, MN. Midwest Fisheries and Wildlife Conference, Columbus, OH, December 2008 (poster presentation).
44. Travis, S.E., J.E. Marburger, and **S.K. Windels**. 2008. Clonal diversity and hybridization dynamics of invasive cattail stands in the Great Lakes region of North America. 63rd North Central Weed Science Society Meeting and Midwest Invasive Plant Network Meeting, Indianapolis, IN, December 2008 (poster presentation).
45. Severud, W.J., J.G. Bruggink, J.L. Belant, and **S.K. Windels**. 2008. The effect of predation avoidance on beaver diet. 7th Annual Western Great Lakes Research Conference, Marquette, MI, March 2008 (poster presentation).
46. Kallemeyn, L.W., R.Maki, and **S.K. Windels**. 2008. A multidisciplinary approach to monitoring ecological effects of lake level management on Voyageurs National Park. 5th Annual Lake of the Woods Water Quality Forum, International Falls, MN, March 2008 (poster presentation).
47. Dykstra, J., T. Wolf, **S.K. Windels**, M. Sullivan, and A. Wuenschmann. 2008. Fatal *Francisella tularensis* Type B infection and seroprevalence of *F. tularensis* antibodies in free-ranging beavers (*Castor canadensis*). Joint Conference of American Association of Zoo Veterinarians and Association of Reptile and Amphibian Veterinarians, Los Angeles, California (oral presentation)
48. Marburger, J., S.E. Travis, and **S.K. Windels**. 2008. Cattail hybridization in Great Lakes National Parks: Contribution to vegetation dominance in wetlands. NPS Water Resources Division Meeting, Boulder, Colorado, February 2008 (oral presentation).
49. Beever, E.A., G.E. Host, **S.K. Windels**, and P. Meysembourg. 2007. Wetland-landscape dynamics in a boreal-forest reserve during increase and decline phases of American beavers (1927-2005). 87th Annual American Society of Mammalogists Conference, Albuquerque, New Mexico (oral presentation).
50. Kallemeyn, L.W., R.Maki, and **S.K. Windels**. 2007. A multidisciplinary approach to monitoring ecological effects of lake level management on Voyageurs National Park. North American Reservoir Symposium, Atlanta, Georgia (poster presentation).

51. Moen, R., R.J. Baker, and **S.K. Windels**. 2007. Canada Lynx on the Border: Biological and Political Realities for Recovery Planning. George Wright Society Biennial Conference, St. Paul, MN, April 2007 (oral presentation).
52. **Windels, S.K.**, S.E. Travis, and J. Marburger. 2007. Using Genetics to Investigate the Role of Hybridization in the Spread of Cattail (*Typha* spp.) in Voyageurs National Park. George Wright Society Biennial Conference, St. Paul, MN, April 2007 (poster presentation).
53. Fox, J.E., **S.K. Windels**, L.E. Grim, and M.R. Broschart. 2007. Assessment of Bias in Productivity Outcomes Assigned in Long-term Loon Monitoring at Voyageurs National Park. George Wright Society Biennial Conference, St. Paul, MN, April 2007 (poster presentation).
54. **Windels, S.K.**, S.E. Travis, and J. Marburger. 2007. Using Genetics to Investigate the Role of Hybridization in the Spread of Cattail (*Typha* spp.) in Voyageurs National Park. 4th Annual Lake of the Woods Water Quality Forum, International Falls, Minnesota, March 2007 (poster presentation).
55. **Windels, S.K.**, J. Marburger, and D. Mason. 2007. Ecology and management of *Typha* (Cattail) Invasions in the Great Lakes Region. 4th Annual Lake of the Woods Water Quality Forum, International Falls, Minnesota, March 2007 (poster presentation).
56. **Windels, S.K.** 2006. Beaver monitoring and research in Voyageurs National Park: past, present, and future. 2006 Midwest Fish and Wildlife Conference, Omaha, Nebraska, December 2006, (oral presentation).
57. Travis, S.E., J. E. Marburger, **S. K. Windels**, and B. A. Middleton. 2006. The role of hybridization in cattail (*Typha* spp.) invasions of freshwater wetlands in Great Lakes National Parks. North Central Weed Science Society, 61st Annual Meeting, Milwaukee, Wisconsin, December 2006 (oral presentation).
58. Travis, S.E., **S.K. Windels**, and J. Marburger. 2006. The prevalence of hybridization in cattail (*Typha* spp.) invasions of freshwater wetlands in Great Lakes National Parks. 5th Annual Western Great Lakes Research Conference, Ashland, WI, March 2006 (oral presentation).
59. Travis, S.E., J. Marburger, **S.K. Windels**, and B.E. Middleton. 2006. The Role of Hybridization in Cattail (*Typha* spp.) Invasions of Freshwater Wetlands in Great Lakes National Parks. 27th Annual Meeting Society of Wetland Scientists, Cairns, Australia (poster presentation).
60. Kallemeyn, L.W., **S.K. Windels**, R.Maki, and C. Holbeck . 2005. A multidisciplinary approach to monitoring ecological effects of lake level management on Voyageurs National Park. North American Lake Management Society Conference, Madison, WI (oral presentation).
61. **Windels, S.K.**, S.E. Travis, and J. Marburger. 2005. Investigating the role of genetics in the spread of cattail (*Typha* spp.) in three Great Lakes National Parks. North American Lake Management Society Conference, Madison, WI (poster presentation).
62. **Windels, S.K.**, L.W. Kallemeyn, R.Maki, and C. Holbeck . 2005. A multidisciplinary approach to monitoring ecological effects of lake level management on Voyageurs National Park. 4th Annual Western Great Lakes Research Conference, Marquette, MI, March 2005 (oral presentation).

63. **Windels, S.K.**, J. Marburger, and D. Mason. 2005. *Typha* (Cattail) Invasions in the Great Lakes Region: Why Is It Happening and What Can We Do About It? 4th Annual Western Great Lakes Research Conference, Marquette, MI, March 2005 (poster presentation).
64. **Windels, S.K.**, W.E. Adams, L.W. Kallemeyn, and D. Willis. 2005. Sturgeon movements in Rainy Lake, Voyageurs National Park. ManOMin Conference, International Falls, MN (oral presentation).
65. **Windels, S.K.**, L.W. Kallemeyn, R.Maki, and C. Holbeck. 2004. Monitoring Ecological Effects of Lake Level Management in Voyageurs National Park. 3rd Annual Western Great Lakes Research Conference, St. Paul, MN, March 2004 (poster presentation).
66. **Windels, S.K.**, and D.J. Flaspohler. 2002. Life on the edge: white-tailed deer browsing patterns on Canada yew. The Wildlife Society Conference, Bismarck, ND, September 2002 (oral presentation).
67. **Windels, S.K.**, and D.J. Flaspohler. 2002. Potential cascading trophic effects related to the decline of Canada yew in the Upper Great Lakes region: 2001. Preliminary Results. Western Great Lakes National Parks Research Conference, Marquette, MI, March 2002 (poster presentation).
68. **Windels, S.K.**, and D.J. Flaspohler. 2001. Potential cascading trophic effects related to the decline of Canada yew in the Upper Great Lakes region: 2001. Preliminary Results. The Wildlife Society Conference, Reno, NV, September 2001 (poster presentation).
69. **Windels, S. K.**, D.G. Hewitt, and T. D. A. Forbes. 2000. Effects of aeration on phenolic amine content of guajillo. The Wildlife Society Conference, Nashville, TN, September 2000 (poster presentation).
70. **Windels, S. K.**, and D. G. Hewitt. 2000. White-tailed deer nutritional carrying capacity models for treated brushlands of northeastern Mexico incorporating antinutritional effects of plant tannins. The Wildlife Society Conference, Nashville, TN September 2000 (poster presentation).
71. **Windels, S. K.**, and D. G. Hewitt. 1998. Effects of roller-chopping on a rodent community in northern Mexico. Texas Chapter of the Wildlife Society, Corpus Christi, Texas. (oral presentation).
72. **Windels, S. K.**, D. G. Hewitt, and F. J. Heredia. 1997. Los efectos de manejo de matorral sobre la abundancia y diversidad de los roedores en el norte Mexico: resultados preliminares. (Effects of brush management on diversity and abundance of rodents in northern Mexico: preliminary results). 3rd Mexican Congress on Forest Resources, Linares, Nuevo Leon, Mexico (oral presentation).
73. **Windels, S. K.**, and P. A. Jordan. 1997. Patterns of moose browsing on balsam fir on Isle Royale: Effects of secondary compounds? 4th International Moose Symposium, Fairbanks, Alaska, August 1997 (oral presentation).

OTHER LECTURES / PUBLIC PRESENTATIONS

1. **Windels, S.K.** 2011. Department of Interior ITAP Program- Tanzania. Presentation to Crooston Noonday Lions Club, March 2011 (scheduled oral presentation).

2. **Windels, S.K.** 2011. Department of Interior ITAP Program- Tanzania. Presentation to Integrated Natural Resource Management Class, University-of Minnesota-Crookston, March 2011 (scheduled guest lecture).
3. **Windels, S.K.** 2010. Department of Interior ITAP Program- Tanzania. International Falls Rotary Club, November 2010 (oral presentation).
4. **Windels, S.K.** 2002. Ecology of Canada Yew in Michigan. Ecology of Northern Forests class, Northern Michigan University, September 2002 (guest lecture)
5. **Windels, S.K.** 2001. Plant-Animal Interactions – lecture to Conservation Biology class at Michigan Technological University, Houghton, MI, February 2001 (guest lecture)
6. **Windels, S.K.** 2001. The Decline Of Canada Yew In The Great Lakes Region: Implications For Bird Conservation. Laughing Whitefish Audubon Society, Marquette, MI, April 2001 (oral presentation)
7. **Windels, S.K.** 2000. Effects of Aeration on a Rodent Community in Northern Mexico. Graduate student seminar series, Michigan Technological University, October 2000 (oral presentation)
8. **Windels, S.K.** 1998. Effects of Brush Management on Vegetation and Non-target Species. Antonio Narro University (Coahuila, Mexico) agronomy class (guest lecture and field tour in Spanish).
9. **Windels, S.K.** 1998. Predator-Prey Relationships. Ecology and Management of Big Game class at Texas A&M University – Kingsville (guest lecture)