

## **DAVID JAMES FLASPOHLER**

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### **GENERAL RESEARCH INTERESTS**

Conservation Biology: forest fragmentation, maintaining viable populations in managed forest landscapes, island ecology, restoration ecology, applications of conservation biology to management

Avian Ecology: evolution of nest site selection and breeding strategies, effects of nest predators and parasites on breeding strategies

### **EDUCATION**

Ph.D. Department of Wildlife Ecology, University of Wisconsin-Madison, 1998.

M.Sc. Conservation Biology and Sustainable Development, University of Wisconsin-Madison, 1992.

B.Sc. Department of Architecture and Urban Planning, University of Michigan, 1987

### **TEACHING EXPERIENCE**

2004-present: Associate Professor, School of Forest Resources and Environmental Science, Michigan Technological University. I currently teach Conservation Biology, Advanced Conservation Biology, Ornithology, Field Ornithology, and the Distinguished Ecologist Lecture Series. In fall 2005, I taught a new general education class called "Understanding the human place in nature: the limits of myth and science".

1998-2004: Assistant Professor, School of Forest Resources and Environmental Science, Michigan Technological University. I taught Conservation Biology, Advanced Conservation Biology, Ornithology, Field Ornithology

Associate Faculty, Department of Wildlife Ecology, University of Wisconsin, Madison. (Spring 1998). Lectured, led discussions, wrote and administered exams in Principles of Wildlife Management 379, lectured in Wildlife Population Dynamics 655.

Lecturer, Department of Wildlife Ecology, University of Wisconsin, Madison. (Spring 1997). Lectured and led discussions in Introduction to Wildlife Research 699.

### **PROFESSIONAL EXPERIENCE**

Science Editor: Internet Scout Project, Department of Computer Science, University of Wisconsin, Madison. NSF project: Developed an on-line publication with Internet-based life-science information targeted at researchers and professors at the university level. (August-December 1997).

Assistant Coordinator, Trumpeter Swan Recovery Project: Bureau of Endangered Resources, Wisconsin Department of Natural Resources, Project: Supervised five interns and all field operations for reintroduction in Necedah National Wildlife Refuge. (March-September 1994).

Avian Ecologist: Bureau of Endangered Resources, Wisconsin Department of Natural Resources. Migratory Songbird Research Project: Conducted study of breeding ecology of riparian bird community. Founded Wisconsin Chapter of Partners-In-Flight Migratory Songbird Working Group. (April 1993-February 1994).

Intern: The World Bank, Washington, D.C., Latin American Environmental Division, Global Environmental Facility project: assisted with development of protected areas selection criteria in Latin America. (May-August 1991).

Assistant Avian Ecologist: Bureau of Research, Wisconsin Department of Natural Resources. Grassland bird community project: Interpretation of remote sensing data. (September-December 1990).

### **AWARDS AND HONORS**

MTU Distinguished Teaching Award – assistant professor, winner 2002

MTU Distinguished Teaching Award, finalist 2001

Excellence in Teaching Award, University of Wisconsin-Madison Graduate School (March 1997)

Conservation Biology Graduate Student Fellowship, UW-Madison (January 1991)

Department of Zoology Jefferson Davis Summer Fellowship, UW-Madison (June 1990)

### **PUBLICATIONS – Peer reviewed**

Brodeur-Campbell, S., D. Flaspohler, C. Webster, and A. Storer. Compositional erosion and ecological consequence models: exotic pests and pathogen impacts on host tree species. In review: Journal of Forestry.

Manarolla, M., and D. Flaspohler. Scale-dependent response by breeding birds to residential development along the Lake Superior shoreline. In review: Journal of Field Ornithology.

Rosemier, J., D. Flaspohler, and A. Storer. 2006 (expected). Island-specific ecological release of small mammals in Lake Michigan and potential consequences for ground-nesting birds. In Press: George Wright Forum.

Snively, M. and D. Flaspohler. 2006. A Comparative Study of Cadmium and Copper in Ruffed Grouse (*Bonasa umbellus*) in regions with and without historic mining. In press: Ecotoxicology and Environmental Safety 65:165-170.

Flaspohler, D.J., and C. Meine. 2006. Planning for Wildness: Aldo Leopold's Report on Huron Mountain Club. Journal of Forestry 104:32-42.

VanDusen, P., C.J.F. Huckins and D.J. Flaspohler. 2005. Associations among selection logging history, brook trout, macroinvertebrates and habitat in Northern Michigan headwater streams. Transactions of the American Fisheries Society 134:762-774.

Bub, B.R., D.J. Flaspohler, and C. J. F. Huckins. 2004. Riparian and upland breeding-bird assemblages along headwater streams in Michigan's Upper Peninsula. Journal of Wildlife Management 68:383-392.

Martinson, T. J., and D. J. Flaspohler. 2003. Winter bird feeding and localized predation on simulated bark-dwelling arthropods. Wildlife Society Bulletin 31:510-516.

Flaspohler, D.J., C. J. F. Huckins, P. J. Van Dusen, and B. R. Bub. 2002. Temporal patterns in aquatic and avian communities following selective logging. Forest Science 48:339-349.

- Flaspohler, D.J. 2001. The effects of forest edges and fragmentation on birds: A Wisconsin perspective. Passenger Pigeon 63:5-14. (invited paper)
- Flaspohler, D.J., S. A. Temple, and R. Rosenfield. 2001. Species-specific edge effects on nest success and breeding bird density in a forested landscape. Ecological Applications 11:32-46
- Flaspohler, D.J., S. A. Temple, and R. Rosenfield. 2001. The effects of forest edges on Ovenbird demography in a managed forest landscape. Conservation Biology 15:173-183.
- Flaspohler, D.J., B. R. Bub, and B. A. Kaplin. 2000. The application of conservation biology research to management. Conservation Biology 14:1898-1902.
- Flaspohler, D.J., S. A. Temple, and R. Rosenfield. 2000. The relationship between nest success and concealment in two ground-nesting passerines. The Journal of Field Ornithology 71:736-747.
- Flaspohler, D.J. 1998. A technique for sampling flying insects, with data on associated Neotropical Flycatchers Journal of Field Ornithology 69:201-208.

#### **PUBLICATIONS – non-peer-reviewed**

- Flaspohler, D.J. and P. Hurley. 2005. Proceedings of: Forests and whitetails, striving for balance, Michigan Society of American Foresters annual meeting, St. Ignace, MI 9-10 June.
- Storer, A.J., J.N. Rosemier, B.L. Beachy, and D.J. Flaspohler. 2004. Potential effects of beech bark disease and decline in beech abundance on birds and small mammals. Proceedings of the beech bark disease symposium. Saranac Lake, NY. 16-18 June.
- Flaspohler, D. J. *In press*. The yellow-rumped warbler. Wisconsin Breeding Bird Atlas, Wisconsin Society for Ornithology, Madison.
- Flaspohler, D. J. *In press*. The prothonotary warbler. Wisconsin Breeding Bird Atlas, Wisconsin Society for Ornithology, Madison.
- Flaspohler, D. J. 2005. Restoration of biological diversity to Sleeping Bear Dunes National Lakeshore, Final Report.
- Flaspohler, D. J. 1993. Birds of the Mississippi River bottomlands: abundance and distribution. Report to the U.S. Fish and Wildlife Service and the Wisconsin Department of Natural Resources-Bureau of Endangered Resources, Madison.
- Flaspohler, D. J. 1993. Wisconsin Cerulean Warbler Recovery Plan. Bureau of Endangered Resources Technical Publication #96. Wisconsin Department of Natural Resources, Madison.
- Flaspohler, D. J. 1991. Forestry, Politics and Biodiversity: The World Bank Forestry Development Project in the Sierra Madre Occidental, Mexico. Unpubl. M.S. thesis, University of Wisconsin, Madison.

#### **RECENT INVITED SEMINARS AND CONFERENCE PRESENTATIONS:** (all below were oral presentations were given by first author in list, except where posters are indicated or other presenters are noted in bold)

- June 2005 - An assessment of long-term biodiversity recovery from intense and sustained deer browse on North Manitou Island, Sleeping Bear Dunes National Lakeshore. Michigan Society of American Foresters Meeting, St. Ignace Michigan. D. Flaspohler and P. Hurley.
- February 2005 - Poster: Ecosystem Science Center Graduate Student Research Forum, Houghton

- Michigan. February 28. Manarolla, M. and D. Flaspohler. – received merit award.
- October 2004 - Poster: Influence of Lake Superior shoreline development on breeding bird populations. Natural Areas Conference, Chicago Illinois. Manarolla, M. and D. Flaspohler.
- October 2004 - 2004. A Legacy of Overbrowse on North Manitou Island: Is Restoration Necessary? Natural Areas Conference, Chicago Illinois. Hurley, P. and D. Flaspohler.
- April 2004 – Biodiversity conservation in the Upper Great Lakes region. Great Lakes Forest Alliance meeting, LaCrosse, WI
- March 2004 – Land-use legacies at Sleeping Bear National Lakeshore. Research in the Great Lakes national parks conference, Ashland, WI. Flaspohler, D. and P. Hurley.
- June 2003 - Society for Conservation Biology 17<sup>th</sup> Annual Meeting, Duluth, MN. Historic influence of intensive white-tailed deer browse: how long is the legacy?
- November 2002 - Potential cascading trophic effects related to the decline of Canada yew (*Taxus canadensis*) in the Upper Great Lakes Region. Windels, S. K., and D. J. Flaspohler. Annual meeting of The Wildlife Society, Bismarck, ND.
- September 2001 - Potential cascading trophic effects related to the decline of Canada yew (*Taxus canadensis*) in the Upper Great Lakes Region. Annual Wildlife Society Meeting, Reno, NV. Poster. Windels, S. K., and D. J. Flaspohler.

### **August, 2001**

#### Society for Conservation Biology 15<sup>th</sup> Annual Meeting, Hilo HI (2 talks)

1. Species-specific edge effects on nest success and breeding bird density in a forested landscape. Oral presentation by Flaspohler, D. J., S. A. Temple, and R. N. Rosenfield.
2. The conservation legacy of Aldo Leopold's report on the Huron Mountain Club. Oral presentation by C. D. Meine and D. J. Flaspohler.

#### Ecological Society of America. 86<sup>th</sup> annual meeting, Madison, WI (2 talks)

1. Changes in bird community composition following selective logging in northern hardwood forests. Oral presentation by B. R. Bub, D. J. Flaspohler, and C. J. F. Huckins.
2. Apparent temporal shifts in stream communities following selective logging. Oral presentation by C. J. F. Huckins, P. J. Van Dusen, and D. J. Flaspohler.

#### American Ornithologists' Union Meeting, Seattle, WA. (1 talk)

- Effects of supplemental winter bird feeding on experimentally placed arthropods. Oral presentation by T. J. Martinson, and D. J. Flaspohler.
- December 2000 - Breeding ecology of northern forest songbirds; talk for the Marquette Audubon Society.
- October 2000 - A Multi-Scale Assessment of Openland Birds in Upper Michigan: The Willow Flycatcher Model. The Ecology and Conservation of the Willow Flycatcher, USFWS Meeting, Arizona State Univ., Tempe. **Corace, Greg, III**, John R. Probst, and David J. Flaspohler.
- September 2000 - Introduction to conservation biology and old-growth associated wildlife. PASS, USFS workshop.
- August 2000 - 118<sup>th</sup> American Ornithologists' Union meeting (St. Johns, Newfoundland, Canada). The effects of forest edges on Ovenbird demography in a managed forest landscape.

June 2000 - ESMIS Educators Life Science Institute, Alberta. Introduction to bird identification lecture and mist-netting demonstration.

April 2000 - **Schumaker Chadde, J.**, and D. J. Flaspohler. *Upcoming*: Frogs as bioindicators. National Science Teachers' Association national convention. Orlando, Florida.

December 1999 - Bub, B, P. Van Dusen, D. J. Flaspohler, and C. J. Huckins. Poster: Effects of selective logging on aquatic and avian communities. Midwest Meeting of the Wildlife Society, Chicago.

December 1999 - Corace, G., J. Probst, and D. Flaspohler. Poster: A Context for an Openland Avifauna Conservation Strategy for Michigan's Upper Peninsula. Midwest Meeting of the Wildlife Society, Chicago.

August 1999 – Gave invited *keynote speech* for “Tending the Northwoods, a workshop for forest landowners in Northern Wisconsin and Upper Michigan, organized by The Nature Conservancy, and sponsored by the Environmental Protection Agency. Eagle River, Wisconsin.

June 1999 – The application of conservation biology research to management: an Assessment. **Brian Bub** and D. J. Flaspohler. 1999 Society for Conservation Biology Annual Meeting, University of Maryland, College Park.

June 1999 – Co-organizer of symposium titled: “*Scientists and Managers: Bridging the Gap for Conservation Biology* for the 1999 Society for Conservation Biology Annual Meeting, University of Maryland. (19 speakers including Drs. Jack Ward Thomas, Joy Zedler, Gary Meffe, and Ariel Lugo).

October 1998 – Invited Friday afternoon research seminar hosted by the Department of Biological Science, MTU.

January 1998 - Invited seminar at the North Central Forest Experiment Station (Rhinelander, Wisconsin). "Landscape-scale analysis of forest cover and songbird reproductive success in the Upper Great Lakes"

August 1997 - 115th American Ornithologists' Union Meeting (Minneapolis, Minnesota) 2 talks: "A technique for sampling flying insects with data on associated neotropical flycatchers" and "Use of Ground Pine (*Lycopodium obscurum*) as a nesting substrate by the Ovenbird (*Seiurus aurocapillus*) and Hermit Thrush (*Catharus guttatus*)"

## **SELECTED RECENT GRANTS FOR WHICH I WAS A PI**

### Awarded

Wisconsin Department of Natural Resources (2006) – Restoration of Wisconsin Lakeshores. \$106,000; 1 other PI.

National Science Foundation, Biocomplexity (2005) – MUSES: Renewable energy from forest resources: An investigation into the viability of large-scale production of sustainable transportation fuels from lignocellulosic biomass. \$1,687,950; 4 other PIs.

National Park Service (2000). I was lone PI. Restoration of biological diversity to Sleeping Bear Dunes National Lakeshore, Natural Resources Preservation Program, \$221,100; I was lone PI.

The United States Fish and Wildlife Service (2002) An experimental approach to the restoration of Canada yew, 2004: \$1,500; I was lone PI.

National Science Foundation, Major Research Instrumentation Grant (2000). \$693,140; 4 other PIs.

Michigan Department of Environmental Quality (1999). A watershed approach to understanding the influence of forest management on headwater stream communities. 1999: \$118,040; 1 other PI.

Michigan Department of Natural Resources (2000, 2001). Potential cascading effects of the local extirpation of Canada yew \$15,000; I was lone PI.

The Nature Conservancy (2001). Potential cascading effects of the local extirpation of Canada yew. \$2,000; I was lone PI.

U.S. Forest Service (1998). A multi-scale assessment of openland birds in the Upper Peninsula of Michigan. 1998: \$73,560; 1 other PI.

### **PROFESSIONAL SERVICE**

Current memberships: AAAS, Ecological Society of America, Society for Conservation Biology (Membership Committee), American Ornithologists' Union, Cooper Ornithological Society, Wilson Ornithological Society, Association of Field Ornithologists, Wisconsin Society for Ornithology, The Nature Conservancy (member, Michigan TNC - Science Advisory Committee) Member, Michigan Bird Conservation Committee, Organization for Tropical Studies, Wildlife Society (former Associate Editor); Local organizing committee for 2003 Annual meeting, Duluth, MN, Society for Conservation Biology

From 2002-2004, I was Associate Editor for the *Journal of Wildlife Management*  
Reviews articles for: *Conservation Biology*, *Biological Conservation*, *Condor*, *Journal of Field Ornithology*, *Landscape Ecology*, *Wilson Bulletin*, *Ecological Applications*  
Reviews grant proposals for: National Science Foundation, U.S. Fish and Wildlife Service competitive grants program, Fulbright Senior Specialists Program (2005-06), MTU Research Excellence Fund (2005-06), MTU Excellence in Teaching annual campus-wide award (2005)

### **UNIVERSITY SERVICE**

I am currently my School's representative to the Faculty Senate, the School of Forest Resources Promotion and Tenure Committee, the University Committee on Academic Tenure, Promotion, and Reappointment Appeals, Perspectives class review committee, and am on the following internal committees: Graduate Curriculum Committee, Women and Minorities Recruitment Committee, International Committee. I have served on three successful faculty search committees, and was recently chair of a search committee to hire two new tenure-track faculty.