

## ***CURRICULUM VITAE***

### **DAVID FLASPOHLER**

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*Last updated: 30 August 2010*

## **BACKGROUND**

### **Education:**

- PhD, 1998      Wildlife Ecology, *Influence of forest edge on demography of migratory birds in a forested landscape*, University of Wisconsin-Madison
- MSc, 1991      Conservation Biology and Sustainable Development, *Forestry development and biodiversity conservation in northwestern Mexico*, Institute for Environmental Studies, University of Wisconsin-Madison
- BSc, 1987      School of Architecture and Urban Planning, University of Michigan, Ann Arbor

### **Professional appointments:**

- 2004 – present    Associate Professor, School of Forest Resources and Environmental Science, Michigan Technological University (Houghton, MI)
- 1998-2004      Assistant Professor, School of Forest Resources and Environmental Science, Michigan Technological University (Houghton, MI)
- 1997-1998      Faculty Associate, University of Wisconsin-Madison (taught Wildlife Management)

## **AWARDS AND HONORS**

- 2010 - Sept.-Oct. (upcoming) – NSF Review Panel, Population and Community Ecology
- 2010 – Elected to Board of Directors, Whitefish Point Bird Observatory
- 2010 – Outstanding Faculty Member of the Year, School of Forest Resources and Environmental Science
- 2008 – Appointed to U.S. Department of Agriculture, Forest Research Advisory Council (2008-2011)
- 2002 - MTU Distinguished Teaching Award Winner, Assistant Professor

2001 - MTU Distinguished Teaching Award Finalist, Assistant Professor

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

## TEACHING

### Courses taught every year since 1998

FW3410 – Conservation Biology (3 cr.)

FW3610 – Ornithology (4 cr.)

FW3620 – Field Ornithology (1 cr.)

FW5400 – Advanced Conservation Biology (graduate seminar) (1 cr. added to FW3410)

### Course taught every other year since 2003

FW5000 – Distinguished Ecologist Lecture Series (graduate seminar) (1 cr.)

### New course created and will be taught for the first time in Summer 2010

FW3630 – Field Ornithology Techniques (3 cr.)

### Course Taught fall 2010

FW4810 – Capstone (co-taught with Prof. Martin Jurgensen)

## RESEARCH & SCHOLARLY ACTIVITIES

### Refereed book chapters (3 total)

Webster, C., **D. Flaspohler**, S. Pawson, and E. Brockerhoff. 2009. Ecologically sustainable bioenergy communities: Species selection and habitat considerations. Handbook of Bioenergy Crop Plants, S. Joshi, D. Shonnard, and C. Kole, eds. Taylor and Francis Group, Boca Raton, Florida. (invited contribution, in press)

**Flaspohler, D.**, C. Webster, and R. Froese. 2009. Bioenergy, Biomass, and Biodiversity: A review of key issues for terrestrial and aquatic ecosystems. Chapter 7, pp. 133-162 *in* Renewable energy from forest resources in the United States, B. Solomon and V. Luzadis, eds. Routledge Publisher, New York. (invited contribution)

Hunt, P. D. and **D. Flaspohler**. 1998. Yellow-rumped Warbler (*Dendroica coronata*). *In* The Birds of North America, No. 376 (A. Poole and F. Gill, editors). The American Ornithologists' Union and the Academy of Natural Sciences, Philadelphia, PA.

### Refereed publications (my graduate students underlined; 25 total):

Haskell, D. **D.J. Flaspohler**, C. Webster, and M. Meyer. 2010 (accepted, in press, April 12) Variation in soil temperature, moisture, and plant growth with the addition of down woody material on lakeshore restoration sites. *Restoration Ecology*.

Ford, M. and **D. Flaspohler**. 2010. Scale-dependent response by breeding songbirds to residential development along Lake Superior. *Wilson Bulletin of Ornithology* 122(2):296-306.

Webster, C.R., **D.J. Flaspohler**, R.D. Jackson, T. Meehan, C. Gratton. 2010. Diversity,

- productivity and landscape-level effects of grasslands managed for biomass production. *Biofuels* 1(3):451-461.
- Flaspohler, D.**, C. Giardina, G. Asner, P. Hart, J. Price, C. Ka'apu, and X. Castaneda. 2010. Long-term effects of fragmentation and fragment properties on bird species richness in Hawaiian forests. *Biological Conservation* 143:280-288.
- Fargione, J.E., T.R. Cooper, **D.J. Flaspohler**, J. Hill, C.L. Lehman, T. McCoy, S. McLeod, E. J. Nelson, K. S. Oberhauser, and D. Tilman. 2009. Bioenergy and wildlife: Threats and opportunities for grassland conservation. *BioScience* 59(9):767-778.
- Holmes, S., C. Webster, **D. Flaspohler** and R. Froese. 2009. Death and *Taxus*: the cost of high palatability in an era of population decline. *Canadian Journal of Forest Research* 39:1366-1374.
- Corace, R.G., III, **D.J. Flaspohler**, L.M. Shartell. 2009. Geographic patterns in openland cover and hayfield mowing in the Upper Great Lakes region: implications for grassland bird conservation. *Landscape Ecology* 24:309-324.
- Snively, M. and **D.J. Flaspohler**. 2006. A comparative study of cadmium and copper in ruffed grouse (*Bonasa umbellus*) in regions with and without historic mining. *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. Featured cover photo from this paper.
- Rosemier, J., **D.J. Flaspohler**. 2006. Island-specific ecological release of small mammals in Lake Michigan and potential consequences for ground-nesting birds. *George Wright Forum* 23:24-32.
- 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.**, 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.** 2001. The effects of forest edges and fragmentation on birds: A Wisconsin perspective. *Passenger Pigeon* 63:5-14. (invited paper)
- 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.
- Temple, S. A. and **D.J. Flaspohler** 1998. Reply to Hedrick et al. *Journal of Forestry* 96:42.
- Temple, S. A. and **D.J. Flaspohler**. 1998. The edge of the cut: implications for wildlife populations. *Journal of Forestry* 96:22-26.
- Flaspohler, D.J.** 1996. Nesting success of Prothonotary Warblers in the Upper Mississippi River Bottomlands. *Wilson Bulletin of Ornithology* 108:457-466.
- Flaspohler, D.J.** and D. Grosshuesch. 1996. Ruby-throated Hummingbirds observed following

- Yellow-bellied Sapsucker: evidence for keystone bird species in northern hardwood forests. *Passenger Pigeon* 58:237-240.
- Flaspohler, D.J.** and M. L. Laska. 1994. Nest site selection by birds in Acacia trees in a Costa Rican dry deciduous forest. *Wilson Bulletin of Ornithology* 106:162-165.
- Flaspohler, D.J.** and S. Matteson. 1994. Song Sparrow nest in tree cavity. *Passenger Pigeon* 56:83-85.

#### **Manuscripts in review or advanced stage of preparation**

- Flaspohler, D.**, and C. Webster. Plantations for bioenergy or carbon sequestration: Principle for maintaining biodiversity in intensively managed forests. *Forest Science* (in review, submitted 12 Aug. 2009).
- Windels, S., and **D.J. Flaspohler**. The ecology and conservation of Canada yew (*Taxus canadensis* Marsh.), a declining species. submitted to *Forest Ecology and Management*. 1 Feb. 2010. (provisionally accepted, in revision).
- Corace, G., J. Probst, and **D. Flaspohler**. A national context for assessing conservation importance of openland birds in Michigan. (in final prep., to be submitted to *Science of the Total Environment*).
- Hurley, P., C. Webster, and **D.J. Flaspohler**. Untangling the landscape of deer overabundance: Reserve size vs. landscape context in the agricultural Midwest. (in prep., to be submitted to *Canadian Journal of Forest Research*).
- Hurley, P., and D.J. Flaspohler. Current and Pre-Euro-American Settlement forest conditions at Sleeping Bear Dunes National Lakeshore. Target Journal: *Michigan Birds and Natural History*.

#### **Non-Refereed Publications**

- Clark, F., **D. Flaspohler**, C. Huckins, C. Meine, C. Webster, and D. Zastrow. 2008. Conservation Science and Land Stewardship Consultation for the Huron Mountain Club, Final Report, March 2008. The Forest Guild.
- Flaspohler, D.J.** 2007. Potential effects of Particulate Emissions from the Kennecott Eagle Minerals Company (KEMC) mine in the Yellow Dog Plains, Michigan. Invited Report produced for the Huron Mountain Club.
- 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.
- Flaspohler, D.J.** 2005. Restoration of biological diversity to Sleeping Bear Dunes National Lakeshore, Final Research Report.
- 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.** 2003. The yellow-rumped warbler. Species account for the Wisconsin Breeding Bird Atlas,
- Flaspohler, D.J.** 2003. The prothonotary warbler. Species account for the Wisconsin Breeding Bird Atlas, Wisconsin Society for Ornithology, Madison.
- Flaspohler, D.J.** 1997. Finding evidence of breeding: tips for atlasers. Wisconsin Breeding Bird Atlas Newsletter. Vol. 2.
- 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.

### **Presentations**

**Flaspohler, D.,** C. Webster, and A. Roth. Intensive management of native forests for bioenergy: Quantifying trade-offs between forest productivity and biodiversity. Invited talk in symposium: Biodiversity and climate change: Direct and indirect linkages inadaptation and mitigation. XXIII World Congress International Union of Forest Research Organizations (IUFRO), Seoul, South Korea, August, 2010.

Leopold, D., T. Fukami, C. Giardina, D. Gruner, and **D. Flaspohler**. Forest kipuka on Mauna Loa: A model aystem for the study of the interactive effects of habitat size and introduced rodents on arthropod food webs. Hawaii Conservation Conference, Holululu, July, 2010.

**Flaspohler, D.** The relationship between biofuels, land use and biodiversity conservation. Presentation to Calument High School Future Fuels Outreach from NSF-MUSES project. 16 March, 2010.

Roth, A., D. Flaspohler, and C. Webster. Balancing biodiversity and biomass for bioenergy in Wisconsin. Wisconsin Wildlife Society, Wausau, WI, Invited plenary talk. 4 March, 2010.

Wrobel, W. and **D. Flaspohler**. Population model validation for the Golden-winged Warbler (*Vermivora chrysoptera*) in Wisconsin and Minnesota. American Indian Science and Engineering Society meeting, November 2009, Portland, OR

**Flaspohler, D.,** C. Giardina, and G. Asner. Bird species-area relationships within Hawaiian forests naturally fragmented by lava flows: Implications for forest restoration. The Wildlife Society, September 2009, Monterey, CA.

Webster, C., **D. Flaspohler,** A. Roth. Variable Retention Harvesting Approaches: What Have We Learned So Far? Society of American Foresters Meeting, Oct. 2009, Orlando, FL.

Henschell, M.A., D.J. Flaspohler, and C.R. Webster. Poster: Does floristic quality influence habitat quality for birds breeding in grasslands grown for biofuel feedstocks? August 2009, Annual Meeting of the Ecological Society of America, Albuquerque, NM.

Roth, A., D. Flaspohler, and C. Webster. Golden-winged Warbler ecology in aspen forests managed with legacy tree retention. August 2009, Invited talk for special symposium at 127<sup>th</sup> Stated Meeting of the American Ornithologists' Union, Philadelphia, PA.

Roth, A., D. Flaspohler, and C. Webster. Cellulosic ethanol in the Northwoods: Implications for our forests and wildlife. August 2009, presented to Coverts Workshop for private woodland owners, Woodruff, WI.

**Flaspohler, D.,** C Giardina. Using LiDAR remote sensing to understand species-area and habitat relationships in native Hawaiian forests. July 2009, Society for Conservation Biology Annual Meeting, Beijing, China.

**Flaspohler, D.** Bioenergy development in North America: Conserving biodiversity in intensively managed landscapes. July 2009, Invited talk to Beijing Forestry University.

**Flaspohler, D.,** and C. Webster. Biofuel and biodiversity: Issues and Opportunities. Invited talk to LandCare Crown Research Institute, October 2008, Christchurch, New Zealand.

**Flaspohler, D.,** C. Giardina, P. Hart, J. Price, and G. Asner. The Effects of Long-term Fragmentation on a bird community naturally fragmented by lava flows Sept. 2008, New Zealand Ecological Society Conference, Auckland, New Zealand.

Webster, C., S. Holmes, **D. Flaspohler,** and R. Froese. Death and taxus: The cost of high palatability in an era of population decline. Aug. 2008, Ecological Society of America Annual Meeting, Milwaukee, WI.

- Webster, C.R., **Flaspohler, D.J.**, and A. Roth. Quantifying trade-offs between plant productivity and biodiversity in lands allocated to growing biofuel. July 2008, Society for Conservation Biology Annual Meeting, Chattanooga, TN.
- Flaspohler, D.**, and P. Hurley. An assessment of long-term biodiversity recovery from intense and sustained deer browse on North Manitou Island, Sleeping Bear Dunes National Lakeshore. June 2005, Michigan Society of American Foresters Meeting, St. Ignace Michigan.
- Flaspohler, D.**, and P. Hurley. Recovery and restoration of biodiversity on a Lake Michigan Island following catastrophic disturbance by white-tailed deer. May 2004, International Association of Great Lakes Research, Waterloo, Ontario, Canada.
- Beachy, B., A. Storer, and **D. Flaspohler**. An analysis of taxonomic and geographic patterns of federal and state insect conservation in the United States. 2004. Annual meeting of the Entomological Society of America.
- Flaspohler, D.J.**, and P.M. Hurley. The legacy of anthropogenic disturbance at Sleeping Bear Dunes Natural Lakeshore. July 2003, Society for Conservation Biology Annual Meeting. Duluth, MN
- Rosemier, J. And **D. Flaspohler**. Ecological release of small mammals on two Great Lakes islands: Assessment and potential consequences of ground-nesting birds. June 2003 - American Society of Mammologists Society, Lubbock TX.
- Beachy, B., A. Storer, and **D. Flaspohler**. An analysis of taxonomic and geographic patterns of federal and state insect conservation in the United States. October 2003, Entomological Society of America Meeting, Cincinnati, OH.
- Flaspohler, D.**, A. Bassett, P. Hurley, J. Rosemier and B. Beachy. The ecological legacy of anthropogenic forest disturbance at Sleeping Bear Dunes National Lakeshore. Western Great Lakes Research Conference. April 9-11, 2003, Ashland, WI.
- Windels, S., and **D. Flaspohler**. Poster: Potential cascading trophic effects related to the decline of Canada yew (*Taxus canadensis*) in the Upper Great Lakes Region. September 2001, Annual Wildlife Society Meeting, Reno, NV.
- Flaspohler, D.**, S. A. Temple, and R. Rosenfield. Species-specific edge effects on nest success and breeding bird density in a forested landscape. August 2001, Society for Conservation Biology Meeting, Hilo, HI.
- Meine, C., and **D. Flaspohler**. The conservation legacy of Aldo Leopold's report on the Huron Mountain Club. August 2001, Society for Conservation Biology Meeting, Hilo, HI.
- Bub, B., **D. Flaspohler**, and C. Huckins. Changes in bird community composition following selective logging in northern hardwood forests. August 2001, Ecological Society of America Annual Meeting, Madison, WI.
- Huckins, C., P. Van Dusen, and **D. Flaspohler**. Apparent temporal shifts in stream communities following selective logging. Oral presentation by August 2001, Ecological Society of America Annual Meeting, Madison, WI.
- Martinson, T., and **D. Flaspohler**. Effects of supplemental winter bird feeding on experimentally placed arthropods August 2001, American Ornithologists' Union Meeting, Seattle, WA.
- Flaspohler, D.**, Breeding ecology of northern forest songbirds. December 2000, Marquette Audubon Society.
- Corace, G., **D. Flaspohler**, and J. Probst. - 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.
- Flaspohler, D.** Introduction to conservation biology and old-growth associated wildlife. September 2000, PASS, US Forest Service workshop.
- Flaspohler, D.**, S. Temple, and R. Rosenfield. The effects of forest edges on Ovenbird demography in a managed forest landscape. August 2000, American Ornithologists' Union meeting, St. Johns, Newfoundland, Canada.



- Flaspohler, D.** The Conservation Legacy of Aldo Leopold's Report on the Huron Mountain Club. August 2000, Huron Mountain Club.
- Flaspohler, D.** Introduction to bird identification lecture and mist-netting demonstration ESMIS Educators June, 2000, Life Science Institute, Alberta, MI
- Schumaker Chadde, J., and **D. Flaspohler**. Frogs as bioindicators. April 2000 National Science Teachers' Association national convention. Orlando, FL.
- Bub, B., P. Van Dusen, **D. Flaspohler**, and C. J. Huckins. Poster: Effects of selective logging on aquatic and avian communities. December 1999, Midwest Meeting of the Wildlife Society, Chicago, IL
- Corace, G., J. Probst, and **D. Flaspohler**. Poster: A Context for an Openland Avifauna Conservation Strategy for Michigan's Upper Peninsula. December 1999, Midwest Meeting of the Wildlife Society, Chicago, IL.
- E. Knudsen and **D. Flaspohler**. Poster: At-sea distribution of waterbirds along the Keweenaw Current. October 1999, All-hands Meeting, St. Paul, MN.
- D. Flaspohler**. *Keynote speech*: Tending the Northwoods, a workshop for forest landowners in Northern Wisconsin and Upper Michigan, August 1999, sponsored by The Nature Conservancy, and the Environmental Protection Agency. Eagle River, WI.
- Bub, B., and **D. Flaspohler**. The application of conservation biology research to management: an assessment. June 1999, Society for Conservation Biology Annual Meeting, University of Maryland, College Park.
- D. Flaspohler**, B. Kaplan. Co-organized a symposium Scientists and Managers: Bridging the Gap for Conservation Biology, June 1999, Society for Conservation Biology Annual Meeting, University of Maryland. (19 speakers including Drs. Jack Ward Thomas, Joy Zedler, Gary Meffe, and Ariel Lugo).
- D. Flaspohler**. Da Vinci, the Dodo, and Darwin's Finches: birds in science and human culture. January 1999, Tech Tea Time, Michigan Technological University, Houghton, MI
- D. Flaspohler**. Demography of migratory passerines in the forested Great Lakes region. October 1998, Invited Friday afternoon research seminar, Department of Biological Science, Michigan Technological University, Houghton, MI.
- D. Flaspohler**. Landscape-scale analysis of forest cover and songbird reproductive success in the Upper Great Lakes. Invited seminar, January 1998, North Central Forest Experiment Station, Rhinelander, WI.
- D. Flaspohler**. A technique for sampling flying insects with data on associated neotropical flycatchers. August 1997, American Ornithologists' Union Meeting, Minneapolis, MN.
- D. Flaspohler**, S. Temple, and R. Rosenfield. Use of Ground Pine (*Lycopodium obscurum*) as a nesting substrate by the Ovenbird (*Seiurus aurocapillus*) and Hermit Thrush (*Catharus guttatus*). August 1997, American Ornithologists' Union Meeting, Minneapolis, MN.
- D. Flaspohler**. Forest stratification and the breeding bird community of northern hardwood forests. June 1997, Invited seminar at Kemp Biological Station, Summer Silviculture Field Course, Woodruff, WI.
- D. Flaspohler**, S. Temple. Songbird productivity in managed northern hardwood forests. Invited seminar at Wisconsin Wildlife Managers Meeting and The Wisconsin Wildlife Society Meeting, January 1997, Oshkosh, WI.
- D. Flaspohler**. The role of non-tree forest structure in determining nest-sites for migratory songbirds. Invited seminar at Forest Songbird Management Workshop and Symposium, January 1997, University of Wisconsin-Green Bay.
- D. Flaspohler**. Metapopulation dynamics of northern forest songbirds in Wisconsin and Michigan. Invited seminar at the Zoological Society of Milwaukee County Student Symposium November 1996, Milwaukee, WI.
- M. Laska, and **D. Flaspohler**. Poster: Nest site selection by birds in Acacia trees in a Costa Rican dry deciduous forest. December 1994, Association for Tropical Biology

Meeting, Puerto Rico.

**D. Flaspohler**, and S. Matteson. Nest success and Cowbird (*Molothrus ater*) brood parasitism of the Prothonotary Warbler (*Protonotaria citrea*) in the Upper Mississippi River Bottomlands. U.S. Fish and Wildlife Service Upper Mississippi River Research Symposium, October, 1993, LaCrosse, WI.

**GRANT FUNDING (PI or co-PI on over \$4,700,000 in funding)**

Title	Sponsor	Amount	Duration
Interactive effects of predation and ecosystem size on arthropod food webs in Hawaiian forests fragmented by lava flows	National Science Foundation Community Ecology Cluster	\$1.2 million; \$338,682 to MTU, Flaspohler, PI	1 Sept. 2010 – 31 Aug. 2015
Carbon sequestration and greenhouse gas fluxes in native aspen stands managed for sustainable bioenergy production	Sustainable Bioenergy Research program (Program Area Code - A6121).	n/a	Letter of Intent
Measuring the value of fish and wildlife habitat restoration on northern Wisconsin lakes	Wisconsin Department of Natural Resources	\$71,288	7/10-6/11
Assessing dispersal dynamics and genetic introgression of Golden-winged Warblers on the breeding and wintering range using a combined genetic and stable isotope approach Webster, C., <b>D. Flaspohler</b> , A. Roth, K. Hobson, S. VanWilgenberg (Canadian Wildlife Service)	US Department of Interior Fish and Wildlife Service	\$52,740	9/09-4/11
Measuring the value of fish and wildlife habitat restoration on Northern Wisconsin lakes: The Wisconsin lakeshore restoration project. <b>D. Flaspohler</b>	Wisconsin Department of Natural Resources	\$221,086	6/06-6/10
The influence of residential development on nearshore forest and aquatic ecosystems. <b>D. Flaspohler</b>	US Department of Agriculture	\$7,000	10/08-9/09
Golden-winged Warbler conservation initiative. <b>D. Flaspohler</b> , A. Roth	Cornell University/National Fish and Wildlife Foundation	\$17,000	9/08-8/09
EU-US Transatlantic graduate degree program in forest resources. S. Joshi, R. Froese, T. Pypker, <b>D. Flaspohler</b>	North Carolina State University/Atlantis Project	\$54,380	9/08-7/09
The influence of non-native rodents on native plant and bird communities in Hawaii. <b>D. Flaspohler</b>	MTU Faculty Scholarship Grant	\$7,000	1/08-12/08
Optimizing both habitat quality for conservation-concern bird species and tree productivity in aspen forests in northern Wisconsin. <b>D. Flaspohler</b> , A. Roth	US Department of Interior, US Fish and Wildlife Service	\$15,000	4/08-12/10
Identifying trade-offs between biomass production and Biological diversity in Wisconsin's forests and grasslands. C. Webster, <b>D. Flaspohler</b> , A. Roth	Wisconsin Focus on Energy	\$130,678	7/08-8/10
Optimizing both habitat quality for conservation-concern bird species and tree productivity in aspen forests in northern Wisconsin. <b>D. Flaspohler</b> , A. Roth	US Department of Interior, US Fish and Wildlife Service	\$25,000	4/08-12/10



Validating the golden-winged warbler habitat model in the core of their breeding range in the upper Great Lakes region. <b>D. Flaspohler</b>	US Department of Interior, US Fish and Wildlife Service	\$15,087	3/08-12/09
The influence of residential development on nearshore forest and aquatic ecosystems. <b>D. Flaspohler</b>	US Department of Agriculture	\$7,000	10/07-9/08
Golden-winged Warbler conservation initiative. <b>D. Flaspohler</b> , A. Roth	Cornell University/National Fish and Wildlife Foundation	\$15,000	5/07-8/08
Optimizing habitat quality for conservation-concern species and tree productivity. <b>D. Flaspohler</b> , A. Roth	Ruffed Grouse Society	\$6,000	1/08-12/09
Forestry and land management consultation for the Huron Mountain Club. <b>D. Flaspohler</b> , C. Webster	Forest Guild	\$11,000	4/07-11/07
The influence of residential development on nearshore forest and aquatic ecosystems. <b>D. Flaspohler</b>	US Department of Agriculture	\$7,000	10/06-9/07
Biogeographic distribution and genetic diversity of <i>Sarracenia purpurea</i> within the western Lake Superior watershed. J. Karberg, <b>D. Flaspohler</b>	US Department of Agriculture	\$7,000	10/05-9/06
BE/MUSES: Renewable energy from forest resources: An investigation into the viability of large-scale production of cellulosic ethanol in the Great Lakes region. A. Maclean, D. Shonnard, <b>D. Flaspohler</b> , J. Sutherland, K. Halvorson, B. Solomon	National Science Foundation	\$1,700,000	9/05-8/10
A comparison of cadmium and copper concentrations in the livers of ruffed grouse from areas with and without historic metals mining. <b>D. Flaspohler</b>	US Department of Agriculture, McIntire- Stennis	\$21,000	10/02-9-/05
The relationship between Canada yew ( <i>Taxus canadensis</i> ), ground-nesting birds, and white-tailed deer. <b>D. Flaspohler</b> , C. Webster	US Department of Agriculture	\$36,400	10/99-9/05
Canada yew restoration in hemlock-hardwood forests at Michigan Technological University's trail system. C. Webster, <b>D. Flaspohler</b>	US Department of Interior	\$700	6/04-9/04
The movement of metals through terrestrial systems: Toxic metals in the diet and tissues of ruffed grouse from areas with and without mining history. <b>D. Flaspohler</b>	US Department of Interior, Fish and Wildlife Service	\$7,000	10/02-9/03
Restoration of biological diversity within the lands of Sleeping Bear Dunes National Lakeshore. <b>D. Flaspohler</b>	US Department of Interior, National Park Service	\$221,100	8/01-12/04
Development of baseline data on stable isotope signatures within riparian food webs of northern mixed hardwood forests. <b>D. Flaspohler</b> , C. Huckins	MTU-Research Excellence Fund	\$6,422	4/02-6/03
The decline of Canada yew in the upper Great Lakes Region: causal mechanisms and implications for small understory vertebrates. <b>D. Flaspohler</b> , S.	American Wildlife Research Foundation	\$2,000	6/03-12/03

Windels

The decline of Canada yew in the upper Great Lakes Region: causal mechanisms and implications for small understory vertebrates. <b>D. Flaspohler</b> , S. Windels	Wildlife Forever	\$2,000	6/03-9/03
Habitat associations of small terrestrial vertebrates with Canada yew: Potential cascading effects related to the loss of yew. <b>D. Flaspohler</b>	Michigan Department of Natural Resources	\$5,000	4/02-1/03
The ecology of Canada yew and associated vertebrate communities. <b>D. Flaspohler</b>	The Nature Conservancy of Michigan	\$7,000	10/00-9/01
The role of birds as predators of bark-dwelling arthropods in northern hardwood forests, Michigan. <b>D. Flaspohler</b>	US Department of Agriculture, McIntire-Stennis	\$14,000	10/00-9-/02
The ecology of Canada yew and associated vertebrate communities. <b>D. Flaspohler</b>	Michigan Department of Natural Resources	\$1,850	4/01-12/01
The effect of riparian buffer strip characteristics on aquatic and avian communities. C. Huckins, <b>D. Flaspohler</b>	MTU-Research Excellence Fund	\$64,424	7/00-11/01
A multi-scale assessment of openland avifauna in Michigan's Upper Peninsula. <b>D. Flaspohler</b> , J. Probst	US Department of Agriculture, Forest Service	\$69,086	9/98-10/02
The movement of elements through ecosystems: Major research instrumentation for the integration of research and teaching. K. Pregitzer, A. Burton, <b>D. Flaspohler</b> , J. King	National Science Foundation	\$625,891	10/00-9/04
The conservation legacy of Aldo Leopold's work with the Huron Mountain Club. <b>D. Flaspohler</b>	Huron Mountain Wildlife Foundation	\$8,700	7/00-2/01
The influence of forest management on stream communities in the Upper Peninsula of Michigan. C. Huckins, <b>D. Flaspohler</b>	Michigan Department of Environmental Quality	\$36,868	3/00-9/01
Endangered, threatened, and declining openland bird species of Michigan's Upper Peninsula: Increasing the rational approach to management. <b>D. Flaspohler</b>	Michigan Department of Natural Resources	\$10,000	1/99-6/00
Amphibian malformation survey of western Upper Peninsula – Using middle and high school classes. <b>D. Flaspohler</b> , J. Chadde	Michigan Department of Natural Resources	\$4,950	1/99-11/99
The role Canada yew ( <i>Taxus canadensis</i> ) in mixed hardwood forests in the Great Lakes region. <b>D. Flaspohler</b>	US Department of Agriculture, McIntire-Stennis	\$14,000	10/98-9-/00
Remote sensing and environmental monitoring institute: Second year funding. C. Kerfoot, S. Green, N. Urban, <b>D. Flaspohler</b>	State of Michigan	\$136,157	12/98-5/02

**Grant proposals in review**

Golden-winged Warbler management	American Bird Conservancy	\$30,000	Submitted
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demonstration areas

Synthesizing data sets on the viability and ecological impacts of bioenergy in Wisconsin. C. Webster, <b>D. Flaspohler</b> , A. Roth	Wisconsin Focus on Energy	\$135,000	Sept. 1, 2010 Submitted 1 November 2009
Environmental Trade-offs: Bioenergy versus Biodiversity. S. Pawson, <b>D. Flaspohler</b> , E. Brockerhoff	International Science and Technology Linkage Fund, Royal Society of New Zealand	\$7,717	Submitted 1 November 2009

**GRADUATE STUDENTS ADVISED**

- Total number of students graduated: 6 MSc thesis, 4 PhD theses

Student	Completed	Current Position
Peter Hurley	PhD, 2008	Assistant Professor, Saint Francis University, Fort Wayne, IN
Audra Bassett	PhD, 2007	Adjunct Instructor, Asheville-Buncombe Community College, Asheville, NC
Greg Corace	PhD, 2008	Refuge Forester, USFWS, Seney National Wildlife Refuge
Steve Windels	PhD, 2007	Biologist, National Park Service, Voyageurs National Park, MN
Dan Haskell	MSc, 2008	Biologist, Wisconsin Department of Natural Resources
Michelle Manarolla	MSc, 2006	Biologist, Baystate Environmental Consultants, East Longmeadow, Massachusetts
Marian Snively	MSc, 2005	Colonial Bird Biologist, Alaska Department of Fish and Game, Anchorage, AK
Tammie Paoli	MSc, 2003	Fisheries Biologist, Wisconsin Department of Natural Resources, Green Bay, WI
Justin Compton	MSc, 2002	PhD candidate Penn State Univ.
Brian Bub	MSc, 2001	Senior Environmental Scientist, Natural Resources Consulting, Cottage Grove, WI
Amber Roth	PhD, expected Dec. 2010	ongoing
Max Henschell (co-advised with C. Webster)	MSc., Aug. 2010	Teaching sabbatical fill in, SFRES
Alexandra Wrobel	MSc. Aug. 2010	Ecologist, Great Lakes Indian Fish and Wildlife Commission (GLIFWC)
Chad Fortin (co-advised with C. Webster)	MSc., Dec. 2009	ongoing

**Service on MSc and PhD Committees:**

Name	Graduation	Degree
Chao Wang	April 2009	MSc. Forestry
Brian Beachy	December 2008	PhD Forest Biology
Justin Rosemeier	May 2006	PhD Forest Biology
Jill Katakowski	May 2006	MSc. Forestry
Treniece Marshall	December 2005	MSc. Forest Science
Brian Henry	December 2005	MSc. Forest Science
Bruce Sczechoski	May 2005	MSc. Forestry
Jennifer Taylor	May 2005	MSc. Forestry
David Critten	withdrew	
Jason Anderson	December 2004	MSc. Forestry
Greg Wright	August 2004	MSc. Applied Ecology
Karen Springsteen	May 2003	PhD. Rhetoric and Technical Communication

Wendy Owens	May 2003	MSc. Forestry
Patty Ericson	May 2002	Ph.D. Rhetoric and Technical Communication
Matt Cohen	May 2003	MSc. Forestry
Frank Aragona	May 2003	MSc. Forest Science
Joe Kaplan	December 2003	MSc. Applied Ecology
Jennifer Fox	May 2002	MSc. Applied Ecology
Debbie Anderson	December 2002	MSc. Forest Science
Kelly Bassett	May 2002	MSc. Applied Ecology
Carrie Schaefer	May 2001	MSc. Forest Science
Becky Cookman	December 2001	MSc. Forest Science
Dan Endreson	December 2001	MSc. Forest Science
Surachit Waengsothorn	April 2001	MSc. Forest Science
Dustin Walters	May 2001	MSc. Forest Science
Debbie Anderson	May 2001	MSc. Forest Science
Jim Pelkola	May 2000	MSc. Forest Science
Pete VanDusen	May 2000	MSc. Biological Science

## SERVICE

### Professional Service:

#### *Professional society affiliations and service:*

- Chair of IUFRO Working Party: Conserving Biodiversity in Bioenergy Production Forests, 2010-2014
- Elected to Board of Directors, Whitefish Point Bird Observatory, Aug. 2010
- Associate Editor, *Journal of Wildlife Management*, 2001-04
- Member, USDA, Forest Research Advisory Council, 2008-2011
- Member MI Nature Conservancy, Science Advisory Board, 2002-05
- Member, Membership Committee, Society for Conservation Biology, 2001-03
- Member, Society for Conservation Biology, American Association for the Advancement of Science, Ecological Society of America, American Ornithologists' Union, Association of Field Ornithologists, The Nature Conservancy (member, Michigan TNC - Science Advisory Committee) Member, Michigan Important Bird Areas Committee, Organization for Tropical Studies, Wildlife Society (former Associate Editor), Local organizing committee for 2003 Annual meeting, Duluth, MN, Society for Conservation Biology

#### *Co-organizer of conference symposia:*

- *Biofuels and biodiversity*, Society for Conservation Biology Annual Meeting, July 2008, Chattanooga, TN.
- *Researchers and Managers: Bridging the gap for conservation*, Society for Conservation Biology Annual Meeting, July 2001, College Park, MD.

#### *Review panels*

- National Science Foundation, 2006, 2010
- US Fish and Wildlife Service Competitive Grants Program
- National Fish and Wildlife Foundation, 2008
- Fulbright Senior Specialists Program (2005-06)
- Food and Agricultural Sciences National Needs Graduate and Postgraduate Fellowship Grants Program, 2008-09
- University of Missouri-Columbia Research Foundation (2004)
- MTU Research Excellence Fund – Seed Grants (2005-06)
- MTU Excellence in Teaching annual campus-wide award (2005)
- MTU teaching award – Finalist review panel (2005)

**Referee for journals, book and grant proposals**

- *Canadian Journal of Forest Research, Studies in Avian Biology, Conservation Biology, Ecological Applications, Biological Conservation, Landscape Ecology, Journal of Field Ornithology, Wilson Bulletin of Ornithology, Condor, Forest Science, Web Ecology, International Journal of Chemistry and Ecology, Forest Ecology and Management, Canadian Journal of Zoology, Environmental Management (2010), Natural Areas Journal, Journal of Great Lakes Research, Polish Journal of Environmental Studies (2010), Biology Letters (2010), Biological Invasions (April 2010), Forest Ecology and Management (May 2010, September 2010)*
- Reviewed approximately 25 books in my area of expertise since 2000 for *Choice* magazine.
- Reviewed all Wisconsin portion of range maps for *Peterson Field Guide to Birds of Eastern North America*, 5<sup>th</sup> edition.

**Institutional Service:**

**Departmental committees**

Promotion and Tenure Committee; served 3-yr. term including last year as chair, 2006-2008  
Faculty Search Committee, tenure-track 2 positions wildlife ecology 2007  
Faculty Search Committee, tenure-track quantitative ecologist, 2002  
Faculty Search Committee, tenure-track entomologist, 2001  
Faculty Search Committee, Chair, tenure-track silviculture, 1999  
Curriculum Committee during transition from quarters to semesters  
Minorities and Women in Education Committee, 1999-2004  
Graduate Studies Committee, 2000-02  
International Programs Committee, 1999-2009  
Web Page Committee, 2000

**Participation on university committees, panels, initiatives**

- Summer Undergraduate Research Fellowship (SURF) reviewer 2010.
- Provost Search Committee, fall 2009
- Chair, Committee on Academic Tenure and Promotion (CATPR), Chair 2007-08, reappointed by President Mroz for a second term (2009-11) after completing one term (2006-08)
- Senator, Michigan Technological University Faculty and Staff Senate, representative for the School of Forest Resources and Environmental Science, 2005-07
- Michigan Technological University Sustainable Futures Faculty Hiring Review Panel member, 2007-08

**Outreach and Professional Practice:**

**Outreach activities**

- A press release related to a paper published in *BioScience* in Oct. 2009 was featured on the following web-based resources: NSF web site, US News and World Report, and local radio (Marquette Public Radio) and television (TV6).

**I give approximately 2-4 public talks per year on topics related to ornithology, natural history, my research, etc. to groups such as the following:**

February 2010: Common Owls of the U.P. Talk to 4th grade classes at Houghon Elementary

1. May 2010: NASP, USFS training workshop, presentation and discussion on the role of coarse wood and silviculture on wildlife habitat.
2. April 2010: Six talks on Raptor Migration at Brockway Mountain: E.B. Holman Middle School, Jeffers Middle School, Baraga Middle School, Lake Linden Elementary School, and Horizons High School, Calumet.
3. March 2010: Two talks; Calumet and Lake Linden High Schools: Biodiversity and Bioenergy as part of Future Fuels from the Forest.
4. August 2009: Fort Wilkins Summer Speaker Series: Identification of common birds of the U.P.
5. March 2009: Four talks given to area high school students on Future Fuels from the Forest (given with C. Webster and organized by Joan Chadde). *Daily Mining Gazette* had a front-page article featuring these talks.
6. August 2008: Fort Wilkins Summer Speaker Series: Identification of the birds of the U.P.
7. July 2008: Coverts Workshop at Kemp Natural Resources Station (UW). Summary of ecological portion of NSF-MUSES Project, presented by Amber Roth, with Flaspohler and Webster as co-authors
8. July 2008: Keweenaw County Historical Society Summer speaker series at Phoenix, MI church, "Birds of the Keweenaw Peninsula".
9. May 2008: "Ecological Implications of the Eagle Project sulfide mine in Marquette County" Provided expert opinion on potential effect of the mine for the documentary "Mining madness: Great Lakes in the Balance" DVD.
10. July 2006: Portage Lake Dist. Library Speaker Series, Water birds of the Keweenaw
11. Sept. 2006: Gave naturalist talk for Houghton Middle School 7<sup>th</sup> grade
12. Oct. 2006: Participated in stream monitoring Houghton Elem. School. 4<sup>th</sup> Grade
13. Nov. 2006: "Understanding the science of evolution" talk for MTU Load Out Loud speaker series.
14. Feb. 2007: Participated in wolf ecology for Houghton Elementary 4<sup>th</sup> grade, Ms. Hall
15. April 2006: Gave a talk on raptor migration and Brockway Mountain at Calumet High School
16. April 2006 : Planning for Wildness: Aldo Leopold's Report on Huron Mountain Club, 1938. Invited talk to the MTU Forestry Club.
17. September 2005: Moderated session for Wildlife Society Meeting in Madison, WI
18. Nov. 2005: Gave an invited talk on evolution and intelligent design to a colleague's (S. Peters) Perspectives (UN1001) class
19. October 2005: Gave a talk on owl biology at the Baraga Middle School
20. July 2005: I ran an all-day training old-growth workshop for the PASS program for US Forest Service employees
21. October 2003 – Spoke to Kingsford High School students about wildlife and natural resource careers
22. April 2003 – Gave research overview talk to Trees For Tomorrow group visit
23. November 2002 - Began bi-weekly natural history talk at Houghton Elementary School
24. September 2002 – Spoke at New Faculty Orientation on advice for new professors
25. July 2002 - Spoke at Faculty-student forum on graduate school, Summer Undergraduate Research Program
26. March 2002 – Gave public lecture on migratory songbirds at the Little Gem Theatre, Lake Linden, MI
27. March 2002, 2003 – Served as judge for the Western U.P. Science Fair
28. April 2001 – Gave talk on bird habitat and ecology to teachers at the Forest Ecol. Workshop (CCISD)



29. October 2001 – Spoke with Kingsford H.S. students on careers in ecology
30. October 2001 – Gave talk on owl ecology to Hancock Elementary School
31. April 1999 – Conducted Mist-netting workshop for Trees for Tomorrow group
32. March 1999 – Gave Presentation for “Touch the Future” group from Copper Country Intermediate School District
33. March 1999 - Presented Owl Pellet section for local teachers at Ford Forestry Center
34. February 1999 - Presented general bird lectures to four Calumet Middle School 7<sup>th</sup> grade science classes
35. Co-organized a talk on bioenergy and forest resources given to six high school groups from the western Upper Peninsula, 2008.