

Curriculum Vitae

Amy T. Wolf

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EDUCATION

- Ph.D. Ecology, University of California, Davis. December 1998
Dissertation: Population structure and reproductive ecology of serpentine endemic plant species in California's North Coast Range
- M.S. Env. Science and Policy, University of Wisconsin-Green Bay. August 1993
Thesis: The ecology and conservation of the northern blue butterfly (*Lycaeides idas nabokovi*) and its larval host plant (*Vaccinium caespitosum*) in northeastern Wisconsin.
- B.S. Biology, University of Wisconsin-Green Bay (*cum laude*). May 1989

ACADEMIC EXPERIENCE

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|-------------------------------------|---|
| <i>Chair</i> | Department of Biology, 2014 – present
University of Wisconsin-Green Bay |
| <i>Professor</i> | University of Wisconsin-Green Bay, 2015 – present
Department of Natural and Applied Sciences and Department of Biology |
| <i>Associate Professor</i> | University of Wisconsin-Green Bay, 2009 – 2015
Department of Natural and Applied Sciences and Department of Biology |
| <i>Graduate Faculty</i> | University of Wisconsin-Green Bay, 2001 – present
Environmental Science and Policy Program |
| <i>Assistant Professor</i> | University of Wisconsin-Green Bay, 2005 – 2009
Department of Natural and Applied Sciences and Department of Biology |
| <i>Adjunct Instructor</i> | University of Wisconsin-Green Bay, 2001- 2005
Department of Natural and Applied Sciences and Department of Biology |
| <i>Visiting Assistant Professor</i> | St. Norbert College, 2000-2001
Department of Biology |
| <i>Adjunct Instructor</i> | University of Wisconsin-Green Bay, Fall 1999 |
| <i>Teaching/Research Assistant</i> | University of California-Davis, 1993-1998
Department of Environmental Science and Policy |

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Courses Taught

Principles of Ecology	ENV SCI 302 (lecture and lab)	2005-present
Conservation Biology	ENV SCI 469/669	2012-present
Ecological & Environmental Methods and Analysis	ENV SCI 467 (lecture and lab)	2006-2009
Seminar in Ecology and Evolution	ENV S&P 715 (graduate seminar)	2005-present
International Travel Course (Panama)	ENV SCI 499/799	2008-2011
International Travel Course (Australia)	ENV SCI 499/799	2013
Issues in Biological Conservation	ENV SCI 188	2005-2008
Introduction to Environmental Science	ENV SCI 102	1999-2006
Principles of Biology II	BIOLOGY 203 (lab)	2001-2004
Ornithology Lab	BIOLOGY 342	1999
Ornithology Lecture and Lab	(St. Norbert College)	2001
Introduction to Human Biology	(St. Norbert College)	2000

Individualized Instruction

Independent Study (ENV SCI 498), Directed Research in Biology (BIOLOGY 495), Graduate Independent Study (ENV SCI & POL 798), Internship (BIOLOGY 497 or ENVY SCI 497), and mentoring of student recipients of Cofrin Student Research Awards. **123 students from 2005-2016**

Graduate Students

Major Advisor

1. Luke Magee – Spatial dynamics of woody plants – Wabikon Forest Dynamics Plot (in progress)
2. Vanessa Brotske - Pollination, seed dispersal, germination, and seedling survival in the federally threatened Dwarf Lake Iris (*Iris lacustris*) (in progress)
3. Lindsey Bender (Co-advisor with M. Dornbush) - Spatial patterns of soil, light, and microbes in a northern hardwood forest
4. Samantha Nellis - Plant-pollinator interactions in forest understory herbs (Completed 2016)
5. Cindy Burtley - Comparison of intra-annual radial growth patterns and variation of northern temperate forest trees (Completed 2014)
6. Curt Rollman (Co-advisor with B. Howe) - Snow depth and browsing by White-tailed Deer (*Odocoileus virginianus*) in a northern Wisconsin hardwood forest (Completed 2014)
7. Ashley Fehrenbach - Patterns of understory herbaceous plant species assemblages in the Wabikon

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- Lake Forest Dynamics Plot in northeastern Wisconsin (Completed 2015)
8. Kari Hagenow - Woody species abundance, diversity, and mortality in the understory of a northern Wisconsin temperate forest (Completed 2011)
 9. Lindsey Bender (Co-advisor with M. Dornbush) - Spatial patterns of soil, light, and microbes in a northern hardwood forest (in progress)
 10. Jessica Kempke - Seasonal migration of bats along the Lake Michigan / Green Bay coastline and paired inland localities (in progress)
 11. Brenton Butterfield - Aquatic macrophytes as ecological indicators of lake water quality (Completed 2010).
 12. Linda Filo - *Phragmites australis* management plan for the Cofrin Arboretum, northeastern Wisconsin – a meta-analysis (completed 2009).
 13. Rich Novy - Comparison of bat detection methods in northern Wisconsin forests (completed 2010).
 14. Devany Martin - Evaluation and monitoring of *Phragmites australis* control measures on the west shore of Green Bay and other sites in eastern Wisconsin (completed 2008).
 15. Jay Watson - Influence of woodlot remnants on pollinator distributions in Door County, Wisconsin, apple orchards (completed summer 2009).
 16. Sarah Wilk- Effects of prescription burning on northern barrens vegetation and arthropods in Spread Eagle Barrens, Wisconsin (completed 2004).
 17. Heather Gentry - Impacts of summer vs. winter logging on understory vegetation. (Note: Heather withdrew from program before completing her degree; in 2016 she was named “Green Bay Person of the Year” by the Green Bay Press Gazette)

Graduate Committee Member

- Tara Hohman (in progress)
- Jon Schubbe (in progress)
- Thomas Prestby (completed 2016)
- Stephanie Beilke (completed 2016)
- Nick Walton (completed 2016)
- Erin Gnass (completed 2012)
- Kimberly Draeger (completed 2012)
- Josh Martinez (completed 2012)
- Todd Thayer (in progress)
- Pao Vue (completed 2010)
- Jennifer Goyette (completed Spring 2009)
- Andrew McKenna-Foster (completed Spring 2009)
- Juny Lee (completed Spring 2009)
- Lawrence Eslinger (completed Fall 2008)
- Kathryn Corio (completed Spring 2008)
- Marci Johnson (completed Spring 2007)
- Amanda Lederer (completed Spring 2007)
- Wade Oemichen
- Larry Cornell (completed May 2006)
- Jay Schiefelbien (completed 2006)
- Brad Herrick (completed 2005)
- Tom Nedland (completed 2006)
- Nate Hawley (completed 2000)

SCHOLARSHIP

Publications, Manuscripts, and Reports

Selected Peer Reviewed Publications (published or in press)

1. Zambrano, J., Iida, Y., Howe, R., Lin, L., Umana, M. N., **Wolf, A.**, Worthy, S. J. and Swenson, N. G. 2017. Neighbourhood defence gene similarity effects on tree performance: a community transcriptomic approach. *Journal of Ecology* 105: 616–626. doi:10.1111/1365-2745.12765. <http://onlinelibrary.wiley.com/doi/10.1111/1365-2745.12765/full>
2. LaManna, J.A., S.A. Mangan, A. Alonso, N.A. Bourg, W.Y. Brockelman, S. Bunyavejchewin, L-W. Chang, J-M. Chiang, G.B. Chuyong, K. Clay, R. Condit, S. Cordell, S.J. Davies, T.J. Furniss, C.P. Giardina, I.A.U.N. Gunatilleke, C.V.S. Gunatilleke, F. He, R.W. Howe, S.P. Hubbell, C-F. Hsieh, F.M. Inman-Narahari, D. Janík, D.J. Johnson, D. Kenfack, L. Korte, K. Král, A.J. Larson, J.A. Lutz, S.M. McMahon, W.J. McShea, H.R. Memiaghe, A. Nathalang, V. Novotny, P.S. Ong, D.A. Orwig, R. Ostertag, G.G. Parker, R.P. Phillips, L. Sack, I-F. Sun, J.S. Tello, D.W. Thomas, B.L. Turner, D.M. Vela Díaz, T. Vrška, G.D. Weiblen, **A. Wolf**, S. Yap, and J.A. Myers. 2017. Plant diversity increases with the strength of negative density dependence at the global scale. *Science* 30 Jun 2017: 356, 1389-1392. DOI: 10.1126/science.aam5678.
3. Fisher, J.B., S. Sweeney, E.R. Brzostek, T.P. Evans, D.J. Johnson, J.A. Myers, N.A. Bourg, **A.T. Wolf**, R.W. Howe and R.P. Phillips. 2016. Tree mycorrhizal associations detected remotely from canopy spectral properties. *Global Change Biology* 22:2596-2607. <http://onlinelibrary.wiley.com/doi/10.1111/gcb.13264/full>
Science Journal for Kids published an educational version of our paper: http://www.sciencejournalforkids.org/uploads/5/4/2/8/54289603/fungi_article.pdf
4. Wang, X. T. Wiegand, N.J.B. Kraft, N.G. Swenson, S.J. Davies, Z. Hao, R. Howe, Y. Lin, K. Ma, X. Mi, S-H. Su, I-F. Sun, **A. Wolf**. 2016. Stochastic dilution effects weaken deterministic effects of niche-based processes in species rich forests. *Ecology* 97:347-360. DOI: 10.1890/14-2357.1. <http://www.biodiv.ibcas.ac.cn/publications/2016pdf/201602-Wang-Ecology.pdf>
5. Howe, R.W., **Wolf, A.T.** and Fewless, G.A. 2016. Biota of Wisconsin's Niagara Escarpment. Geosciences Wisconsin. Special Issue on the Niagara Escarpment. *Geoscience Wisconsin* 22: Part 3. <http://wgnhs.uwex.edu/pubs/gs22/>
6. Gnass Giese, E.E., R.W. Howe, **A.T. Wolf**, N.A. Miller, and N.G. Walton. 2015. Sensitivity of breeding birds to the “human footprint” in western Great Lakes forest landscapes. *Ecosphere* 6:1-22. <http://dx.doi.org/10.1890/ES14-00414.1>
7. Wang, X., T. Wiegand, N.G. Swenson, **A. Wolf**, R. Howe, and Z. Hao. 2015. Mechanisms underlying local functional and phylogenetic beta diversity in two temperate forests. *Ecology* 96:1062–1073. <http://dx.doi.org/10.1890/14-0392.1> .
8. Erickson, D.L., F.A. Jones, N.G. Swenson, N. Pei, N.A. Bourg, W. Chen, S.J. Davies, X. Ge, Z. Hao,

- R.W. Howe, C.Huang, A.J. Larson, S.K.Y. Lum, J. Lutz, K. Ma, M. Meegaskumbura, X. Mi, J.D. Parker, I. F. Sun, S.J. Wright, **A.T. Wolf**, D. Xing, J.K. Zimmerman, and W.J. Kress. 2014. Comparative evolutionary diversity and phylogenetic structure across multiple forest dynamics plots: a mega-phylogeny approach. *Frontiers in Genetics* | doi: [10.3389/fgene.2014.00358](https://doi.org/10.3389/fgene.2014.00358) <http://journal.frontiersin.org/article/10.3389/fgene.2014.00358/full>
9. Anderson-Teixeira, K.J., S.J. Davies, A.C. Bennett, E.B. Gonzalez-Akre, H.C. Muller-Landau, S.J. Wright, K.A. Salim, A.M. Almeyda Zambrano, A. Alonso, J.L. Baltzer, Y. Basset, N.A. Bourg, E.N. Broadbent, W.Y. Brockelman, S. Bunyavejchewin, D.F.R.P. Burslem, N. Butt, Min Cao, D. Cardenas, G.B. Chuyong, K. Clay, S. Cordell, H.S. Dattaraja, X. Deng, M. Detto, X. Du, A. Duque, D.L. Erikson, C.E.N. Ewango, G.A. Fischer, C. Fletcher, R.B. Foster, C.P. Giardina, G.S. Gilbert, N. Gunatilleke, S. Gunatilleke, Z. Hao, W.W. Hargrove, T.B. Hart, B.C.H. Hau, F. He, F.M. Hoffman, R.W. Howe, S.P. Hubbell, F.M. Inman-Narahari, P.A. Jansen, M. Jiang, D.J. Johnson, M. Kanzaki, A.R. Kassim, D. Kenfack, S. Kibet, M.F. Kinnaird, L. Korte, K. Kral, J. Kumar, A.J. Larson, Y. Li, X. Li, S. Liu, S.K.Y. Lum, J.A. Lutz, K. Ma, D.M. Maddalena, J.-R. Makana, Y. Malhi, T. Marthews, R.M. Serudin, S.M. McMahon, W.J. McShea, H.R. Memiaghe, X. Mi, T. Mizuno, M. Morecroft, J.A. Myers, V. Novotny, A.A. de Oliveira, P.S. Ong, D.A. Orwig, R. Ostertag, J. den Ouden, G.G. Parker, R.P. Phillips, L. Sack, M.N. Sainge, W. Sang, K. Sri-ngernyuang, R. Sukumar, I.-F. Sun, W. Sungpalee, H. S. Suresh, S. Tan, S.C. Thomas, D.W. Thomas, J. Thompson, B.L. Turner, M. Uriarte, R. Valencia, M.I. Vallejo, A. Vicentini, T. Vrška, Xihua Wang, Xugao Wang, G. Weiblen, **A. Wolf**, H. Xu, S. Yap, and J. Zimmerman. 2014. CTFS-ForestGEO: A worldwide network monitoring forests in an era of global change. *Global Change Biology* (2014), doi: [10.1111/gcb.12712](https://doi.org/10.1111/gcb.12712). <http://escholarship.org/uc/item/3rs0b0sk>
10. Réjou-Méchain, M.H.C. Muller-Landau, M. Detto, S.C. Thomas, T. Le Toan, S.S. Saatchi, J.S. Barreto-Silva, N.A. Bourg, S. Bunyavejchewin, N. Butt, W. Y. Brockelman, M. Cao, D. Cárdenas, J.-M. Chiang, G.B. Chuyong, K. Clay, R. Condit, H. S. Dattaraja, S. J. Davies, A. Duque, S. Esufali, C. Ewango, R.H.S. Fernando, C.D. Fletcher, I. A. U.N. Gunatilleke, Z. Hao, K.E. Harms, T.B. Hart, B. Hérault, R.W. Howe, S. P. Hubbell, D.J. Johnson, D. Kenfack, A.J. Larson, L. Lin, Y. Lin, J.A. Lutz, J.-R. Makana, Y. Malhi, T.R. Marthews, R.W. McEwan, S.M. McMahon, W.J. McShea, R. Muscarella, A. Nathalang, N.S.M. Noor, C.J. Nytech, A.A. Oliveira, R.P. Phillips, N. Pongpattananurak, R. Punchi-Manage, R. Salim, J. Schurman, R. Sukumar, H.S. Suresh, U. Suwanvecho, D.W. Thomas, J. Thompson, M. Uriarte, R. Valencia, A. Vicentini, **A.T. Wolf**, S. Yap, Z. Yuan, C.E. Zartman, J.K. Zimmerman, and J. Chave. 2014. Local spatial structure of forest biomass and its consequences for remote sensing of carbon stocks. *Biogeosciences Discussions* 11: 5711–5742. <http://www.biogeosciences-discuss.net/11/5711/2014/bgd-11-5711-2014.html>
11. Johnson, D.J., N.A. Bourg, R.W. Howe, W.J. McShea, **A.T. Wolf**, and K. Clay. 2014. Conspecific negative density-dependent mortality and the structure of temperate forests. *Ecology* 95:9, 2493-2503. https://www.researchgate.net/profile/Daniel_Johnson12/publication/273219469_Conspecific_negative_density_dependent_mortality_and_the_structure_of_temperate_forests/links/5506cd950cf231de0778a5e1.pdf
12. Wang, X. N.G. Swenson, T. Wiegand, **A. Wolf**, R. Howe, F. Lin, J. Ye, Z. Yuan, S. Shi, X. Bai, D. Xing, and Z. Hao. 2013. Phylogenetic and functional diversity area relationships in two temperate forests. *Ecography* 36:1–11. https://www.researchgate.net/profile/Dingliang_Xing/publication/264262992_Phylogenetic_and_functional_diversity_area_relationships_in_two_temperate_forests/links/53d9ae7c0cf2a19eee880590.pdf
13. Yang, J, N.G. Swenson, M.Cao, G.B. Chuyong, C.E.N Ewango, R. Howe, D. Kenfack, D. Thomas, **A. Wolf**, L. Lin. 2013. A Phylogenetic Perspective on the Individual Species-Area Relationship in

Temperate and Tropical Tree Communities. [PloS one 8\(5\):e63192 \(DOI: 10.1371/journal.pone.0063192\)](https://doi.org/10.1371/journal.pone.0063192)

14. Chisholm, R.A., H.C. Muller-Landau, K.A. Rahman, D.P. Bebber, Y. Bin, S.A. Bohlman, N.A. Bourg, J. Brinks, S. Bunyavejchewin, N. Butt, H. Cao, M. Cao, D. Cárdenas, L. Chang, J. Chiang, G. Chuyong, R. Condit, H.S. Dattaraja, S. Davies, A. Duque, C. Fletcher, N. Gunatilleke, S. Gunatilleke, Z. Hao, R.D. Harrison, R.W. Howe, C. Hsieh, S.P. Hubbell, A. Itoh, D. Kenfack, S. Kiratiprayoon, A.J. Larson, J. Lian, D. Lin, H. Liu, J.A. Lutz, K. Ma, Y. Malhi, S. McMahon, W. McShea, M. Meegaskumbura, M.D. Morecroft, C.J. Nyctch, A. Oliveira, G.G. Parker, S. Pulla, R. Punchi-Manage, H. Romero-Saltos, W. Sang, J. Schurman, S. Su, R. Sukumar, I. Sun, H.S. Suresh, S. Tan, D. Thomas, S. Thomas, J. Thompson, R. Valencia, **A.T. Wolf**, S. Yap, W. Ye, Z. Yuan, and J.K. Zimmerman. 2013. Scale-dependent relationships between tree species richness and ecosystem function in forests. [Journal of Ecology 101:1214-1224.](https://doi.org/10.1016/j.jecol.2013.12.024)
15. Colla, S.R., J.S. Ascher, M. Arduser, J. Cane, M. Deyrup, S. Droege, J. Gibbs, T. Griswold, H.G. Hall, C. Henne, J. Neff, R.P. Jean, M.G. Rightmyer, C. Sheffield, M. Veit, and **A. Wolf**. 2012. Documenting persistence of most eastern North American bee species (Hymenoptera: Apoidea: Anthophila) to 1090-2009. *Journal of the Kansas Entomological Society* 85(1):14-22.
16. Swenson, N.G., D.L. Erickson, X. Mi, N.A. Bourg, J. Montana-Forero, X. Ge, R.W. Howe, J.K. Lake, X. Liu, K. Ma, N. Pei, J. Thompson, M. Uriarte, **A.T. Wolf**, S.J. Wright, W. Ye, J. Zhang, J.K. Zimmerman, and W. J. Kress. 2012. Phylogenetic and functional alpha and beta diversity in temperate and tropical tree communities. *Ecology* 93(8) Supplement. S112-S125.
17. Goyette, J.L., R.W. Howe, **A.T. Wolf**, and D. Robinson. 2011. Detecting tropical nocturnal birds using automated audio recordings. *Journal of Field Ornithology* 82:279-287.
18. Wang, X. T. Wiegand, **A.T. Wolf**, R. Howe, S.J. Davies, and Z. Hao. 2011. Spatial patterns of tree species richness in two temperate forests. *Journal of Ecology* 99:1382-1393.
19. Watson, J., **A.T. Wolf**, and J.S. Ascher. 2011. Forested landscapes promote richness and abundance of native bees (Hymenoptera: Apoidea: Anthophila) in Wisconsin apple orchards. *Environmental Entomology* 40(3):621-632.
20. **Wolf, A.T.** and R. Thorp. 2010. Plant-pollinator interactions in naturally fragmented habitats. pp. 275-296 in S. Harrison and N. Rajakaruna (eds.), *Serpentine: A Model for Evolution and Ecology*. University of California Press. 464 pp. **Wolf, A.T.** and R. Thorp. 2010. Plant-pollinator interactions in naturally fragmented habitats. Chapter 13 in S. Harrison and N. Rajakaruna (eds.), *Serpentine: A Model for Evolution and Ecology*. University of California Press.
21. **Wolf, A.**, R. Condit, and S. Davies. 2009. Ecological Insights from long-term research plots in tropical and temperate forests. *Bulletin of the Ecological Society of America* 90: 519-525.
22. **Wolf, A.T.** and J.S. Ascher. 2008. Bee species of Wisconsin (Hymenoptera: Apoidea: Anthophila). *The Great Lakes Entomologist* 41:129-168.
23. **Wolf, A.**, L. Parker, G. Fewless, K. Corio, J. Sundance, R. Howe, and H. Gentry. 2008. Impacts of summer vs. winter logging on understory vegetation in the Chequamegon-Nicolet National Forest. *Forest Ecology and Management* 254: 35-45.
24. Lederer, A.M., J. Janssen, T. Reed and **A. Wolf**. 2008. Impacts of the Introduced Round Goby

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(*Apollonia melanostomus*) on Dreissenids (*Dreissena polymorpha* and *Dreissena bugensis*) and on Macroinvertebrate Community between 2003 and 2006 in the Littoral Zone of Green Bay, Lake Michigan. *Journal of Great Lakes Research* 34:690-697

25. Nedland, T.S., **A.T. Wolf**, and T. Reed. 2007. A re-examination of restored wetlands in Manitowoc County, Wisconsin. *Wetlands* 27: 999-1015.

26. Herrick, B.M., M.D. Morgan, and **A.T. Wolf**. 2007. Seed banks in diked and undiked Great Lakes coastal wetlands. *American Midland Naturalist* 158:191–205.

27. Peterson, R.K.D., S.J. Meyer, **A.T. Wolf**, J.D. Wolt, and P.M. Davis. 2006. Genetically engineered plants, endangered species, and risk: A probabilistic exposure assessment for Karner Blue Butterfly larvae and Bt maize pollen. *Risk Analysis* 26: 845-858

28. **Wolf, A.T.** and R.W. Howe. 2006. Winter Wren (species account). pages 334-335 in Cutright, N. J., B.R. Harriman, and R.W. Howe (eds.). *Atlas of the Breeding Birds of Wisconsin*. Wisconsin Society for Ornithology.

29. Herrick, B.M. and **A.T. Wolf**. 2005. Invasive plant species in dikes vs. undiked Great Lakes wetlands. *Journal of Great Lakes Research* 31:277-287. [Winner of Chandler-Meissner Award for outstanding paper, 2005, International Association for Great Lakes Research]

30. **Wolf, A.T.**, R. Howe, and R. Dana. 2004. Conservation of the Northern Blue Butterfly *Plebejus* (*Lycaeides*) *idas nabokovi* in the western Great Lakes Region. *Natural Areas Journal* 25(1): 77-85.

31. Jurjavcic, N., S. Harrison, and **A. Wolf**. 2002. Abiotic stress, competition, and the distribution of the native annual grass *Vulpia microstachys* in a mosaic environment. *Oecologia* 130:555-562.

32. **Wolf, A.T.** 2001. Conservation of endemic plants in serpentine landscapes. *Biological Conservation* 100: 35-44.

33. **Wolf, A.T.**, and S.P. Harrison. 2001. Natural habitat patchiness and the reproductive success of serpentine morning glory, *Calystegia collina* (Convolvulaceae). *Conservation Biology* 15: 111-121.

34. **Wolf, A.T.**, J.L. Hamrick, and S.P. Harrison. 2000. Influence of habitat patchiness on genetic diversity and spatial structure of a serpentine endemic plant. *Conservation Biology* 14:454-463.

35. **Wolf, A.T.**, Howe, R.W., and J.L. Hamrick. 2000. Genetic Diversity and Population Structure of the Serpentine Endemic *Calystegia collina* (Convolvulaceae) in northern California. *American Journal of Botany* 87:1138-1146.

36. **Wolf, A.T.**, P.A. Brodmann, and S.P. Harrison. 1999. Distribution of the rare serpentine sunflower (*Helianthus exilis*, Asteraceae): the roles of habitat availability, dispersal limitation, and species interactions. *Oikos* 84: 69-76.

Selected reports and documents (not peer-reviewed)

Howe, R.W. **A.T. Wolf**, and Bobbie Webster. 2016. Restoring fish habitat in Green Bay's Wequiock

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Creek Estuary. Sustain Our Great Lakes / Community Grants Program Project # 38452, U.S. EPA GLNPO (G-17J) 77 W. Jackson Blvd. Chicago, IL 60604-3590. Contract/WA/Grant No./Project Identifier: 0501-13-038452.

Howe, R.W., T. Prestby, and **A.T. Wolf**. 2016. Habitat management for migratory and breeding birds at the Cat Island Restoration Project. Wisconsin Department of Natural Resources and U.S. Environmental Protection Agency. Grant No./Project Identifier: GL-00E00712 CAP_2_2014

Wolf, A.T. and R.W. Howe. 2015. Coastal Wetland Restoration at the Pt. Sable Nature Preserve (WI). National Fish and Wildlife Foundation, 1133 Fifteenth St., N.W., Suite 1100, Washington, D.C. 20005 Sustain Our Great Lakes / Community Grants Program Project # 32428, U.S. EPA GLNPO (G-17J) 77 W. Jackson Blvd. Chicago, IL 60604-3590, Contract/WA/Grant No./Project Identifier: 0501.12.032428.

Wolf, A.T. 2003. Protocol for monitoring rare butterflies in managed forests. (Chequamegon-Nicolet National Forest, U.S. Forest Service, Park Falls, WI).

Howe, R.W. and **A.T. Wolf**. 2003. A Checklist of Birds in the Chequamegon-Nicolet National Forest. USDA Forest Service Publication, Park Falls, WI.

Wolf, A.T. and M. Brzeskiewicz. 2002. A conservation assessment of the Northern Blue Butterfly *Lycaeides idas nabokovi*) and Dwarf Bilberry (*Vaccinium caespitosum*) in Michigan, Minnesota, and Wisconsin. U.S. Forest Service, Chequamegon-Nicolet National Forest, Park Falls, WI. 42 pp.
[http://www.fs.fed.us/r9/wildlife/tes/ca-overview/docs/insect_Plebejus_\(Lycaeides\)_idas_nabokovi-NoBlueButterfly.pdf](http://www.fs.fed.us/r9/wildlife/tes/ca-overview/docs/insect_Plebejus_(Lycaeides)_idas_nabokovi-NoBlueButterfly.pdf)

Howe, R.W., W. Evans, and **A.T. Wolf**. 2002. Effects of wind turbines on birds and bats in northeastern Wisconsin. Wisconsin Public Service Corporation. 105 pp.

Manuscripts submitted or in preparation:

Umana, M. X. Mi, M. Cao, B. Enquist, Z. Hao, R. Howe, Y. Iida, D. Johnson, L. Lin, X. Liu, K. Ma, I-F. Sun, J. Thompson, M. Uriarte, X. Wang, **A. Wolf**, J. Yang, J. Zimmerman, N. Swenson. 2016. The role of functional uniqueness and spatial aggregation in explaining rarity in trees worldwide. Submitted to ***Global Ecology and Biogeography***. In review.

Swenson, N.G., Y. Iida, R. Howe, **A. Wolf**, M.N. Umana, K. Petprakob, B. Turner and K. Ma. Tree co-occurrence and transcriptomic response to drought. Submitted to ***Nature***, January 2017.

Research Presentations at Professional Meetings (since 2009)

Howe, R.W., **A.T. Wolf**, and E.E. Giese. 2016. What's so special about Green Bay wetlands? Wisconsin Wetlands Association, 21st Annual Conference. February 23-23. Green Bay, WI.

Erin E.G. Giese, Robert W. Howe, **Amy T. Wolf**, Nicholas G. Walton, Nicholas A. Miller, & Linda R. Parker. 2014. Birds and forest landscapes in the western Great Lakes region. 3rd Science in the Northwoods Conference. Sponsored by the University of Wisconsin, USGS, US Forest Service, and Lac

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du Flambeau Tribe. October 15-17, 2014. Boulder Junction, WI.

Wolf, A.T. and R.W. Howe. 2014. Management of a Dynamic Coastal Ecosystem: The Point au Sable Nature Preserve in Lower Green Bay, Wisconsin. International Association for Great Lakes Research (IAGLR) 57th Annual Conference on Great Lakes Research at University of McMaster, Ontario.

Wolf, A.T. and Howe, R.W. 2014. Forest structure and ecological dynamics. A paper presented at the workshop “*Diversity and Forest Change: Characterizing functional, phylogenetic and genetic contributions to diversity gradients and dynamics in tree communities*” sponsored by the Dimensions of Biodiversity Program of the US National Science Foundation (DEB-1046113) and the National Science Foundation of China. Xishuangbanna Tropical Botanical Garden (XTBG), Yunnan Province, China. August 4, 2014.

Wolf, A.T., B. Webster, R.W. Howe, and K. Corio. 2014. Functional diversity, phylogenetic diversity, and DNA barcodes of plants in northern Wisconsin forests. 3rd Science in the Northwoods Conference. Sponsored by the University of Wisconsin, USGS, US Forest Service, and Lac du Flambeau Tribe. October 15-17, 2014. Boulder Junction, WI.

Howe, R.W. and **A.T. Wolf**. 2014. The Wabikon Forest Dynamics Plot: Big science in northern Wisconsin. 3rd Science in the Northwoods Conference. Sponsored by the University of Wisconsin, USGS, US Forest Service, and Lac du Flambeau Tribe. October 15-17, 2014. Boulder Junction, WI.

Burtley, C.L., **A.T. Wolf** and R.W. Howe, 2013. Spatiotemporal variation of tree growth in a northern hardwood forest. 98th Annual Meeting of the Ecological Soc. of America. Minneapolis, MN, August.

Gnass-Giese, E. E., R. Howe, **A. Wolf**, N. Miller, and N. Walton. An ecological index of forest health based on breeding birds. 2013. Webpage: <http://www.uwgb.edu/biodiversity/forest-→index/>

Howe, R.W. and **A.T. Wolf**. 2013. Sampling birds at forest dynamics plots. A paper presented at the Smithsonian Institution’s Global Earth Observatory (SIGEO) Workshop on Forest Dynamics Plot Research. Front Royal, Virginia. 29 July 2013.

Johnson, D.J., N.A. Bourg, R.W. Howe, W.J. McShea, **A.T. Wolf** and K. Clay, 2012. Temperate forest regeneration dynamics: a comparison of three mapped forests. 97th Annual Meeting of the Ecological Society of America. Portland, OR.

Wolf, A.T., R.W. Howe, and N.G. Swenson. 2012. Diversity patterns of bird assemblages in a post-glacial landscape of northern Wisconsin, USA. 97th Annual Meeting of the Ecological Society of America. Portland, OR. August 5-10.

Johnson, D.J., N.A. Bourg, R.W. Howe, W.J. McShea, **A.T. Wolf** and K. Clay, 2012. Temperate forest regeneration dynamics: a comparison of three mapped forests. 97th Annual Meeting of the Ecological Society of America. Portland, OR.

Wolf, A.T., R.W. Howe, and N.G. Swenson. 2012. Diversity patterns of bird assemblages in a post-glacial landscape of northern Wisconsin, USA. 97th Annual Meeting of the Ecological Society of America. Portland, OR. August 5-10.

Howe, R.W. and **A.T. Wolf**. 2010. Animals of the Niagara Escarpment. Presentation at a workshop organized by the Niagara Escarpment Resource Network (NERN). University of Wisconsin-Green Bay.

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16 January 2010.

Wolf, A.T., R. Condit, and S.J. Davies. 2009. Ecological insights from long-term research plots in tropical and temperate forests. Organized Oral Session at the 94th Annual Meeting of the Ecological Society of America, Albuquerque, NM. August 2-7, 2009. (co-organizer)

Howe, R.W., **A.T. Wolf**, and R. Condit. 2009. Spatial structure and dynamics of a temperate deciduous forest in northern Wisconsin, USA. a paper presented at the 94th Annual Meeting of the Ecological Society of America, Albuquerque, NM. August 2-7, 2009

Research Grants-Funded (Since 2005)

Wolf, A.T., R.W. Howe. Construction of a coastal wetland to intercept storm water drainage along the Green Bay Shoreline. Fund for Lake Michigan. **\$60,000.**

Wolf, A.T., W. Gaul, and T. Reed. 2016. Dragonfly survey of Lower Fox River and Green Bay AOC. Private Foundation. **\$6,000.**

Howe, R.W., **A.T. Wolf**, and B. Webster. 2015. A Partnership to Reduce Nonpoint Source Pollution and Improve Riparian Habitat in the Wequiock Creek Watershed of Brown County, Wisconsin. Wisconsin Coastal Management Program. **\$59,672.**

Howe, R.W., **A.T. Wolf**, M. Grimm, L. Last, and N. Van Helden. 2014. Lower Green Bay and Fox River Area of Concern (AOC) Habitat Restoration Plan and Path Toward Delisting. Wisconsin Department of Natural Resources and Environmental Protection Agency. **\$464,052** (over 2 years).

Howe, R., T. Prestby, and **A. Wolf**. 2014. Habitat Management for Migratory and Breeding Birds at the Cat Island Restoration Project. Wisconsin Department of Natural Resources. **\$6,885.**

Wolf, A. 2013. Spatial and temporal structure of breeding bird communities at the Wabikon Forest Dynamics Plot in northern Wisconsin. UW-Green Bay Research Council. **\$704.**

Howe, R.W., **A.T. Wolf**, and T. Prestby. 2013. Spatiotemporal Analysis of Migratory Shorebirds in the Coastal Zone of Lower Green Bay, Lake Michigan. U.S. Fish and Wildlife Service. **\$5,000.**

Howe, R.W. and **A.T. Wolf**. 2013. Re-census of the Wabikon Forest Dynamics Plot, a SIGEO Ecological Research Site in Northern Wisconsin. The 1923 Fund (Cofrin Family Foundation). **\$95,000.**

Dornbush, M.E., R. Howe, P. Robinson, **A. Wolf**, B. Kupsy, and T. Prestby. 2014-17. Ducks Unlimited. Restoring Green Bay Aquatic Vegetation and Avifauna. \$226,781 (non-match award amount: **\$155,782**).

Howe, R.W. and **A.T. Wolf**. 2013-15. Restoring Fish Habitat in Green Bay's Wequiock Creek Estuary (WI). Sustain Our Great Lakes Program. National Fish and Wildlife Foundation. Sustain Our Great Lakes Program. **\$122,989.**

Howe, R.W., **A.T. Wolf**, and T. Prestby. Spatiotemporal Analysis of Migratory Shorebirds in the Coastal Zone of Lower Green Bay, Lake Michigan. 2013. U.S. Fish and Wildlife Service. **\$5,000.**

2012-14. **Wolf, A.**, R. Howe, B. Galbraith, G. Van Vreede, and J. Huff. Coastal Wetland Restoration at

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the Pt. Sable Nature Preserve (WI). National Fish and Wildlife Foundation, Sustain Our Great Lakes Program. **\$150,000.**

2013. **Wolf, A.T.**, R. W. Howe, and G. Fewless. Wabikon Forest Dynamics Plot Re-Census. Smithsonian Institution. **\$14,995.**

2012-13. Rodriguez-Estrada, A., **A.Wolf**, R. Howe, and J. Wondergem. Undergraduate Research to Engage Multicultural Students at UW-Green Bay. National Science Foundation (Wisconsin Alliance for Minority Participation/WiscAMP). **\$19,200.**

Wolf, A. 2013. Spatial and temporal structure of breeding bird communities at the Wabikon Forest Dynamics Plot in northern Wisconsin. UW-Green Bay Research Council. \$704.

Howe, R.W. and **A.T. Wolf**. 2013-15. Restoring Fish Habitat in Green Bay's Wequiock Creek Estuary (WI). Sustain Our Great Lakes Program. National Fish and Wildlife Foundation. Sustain Our Great Lakes Program. **\$122,989**

Wolf, A.T., R.W. Howe, and G. Fewless. 2010. Forest stocks and fluxes across a management gradient in Northern WI. Smithsonian Institution. **\$51,900**

Wolf, A. 2010. Native bees of open bogs in northern Wisconsin. **\$500**

Wolf, A. 2010. An inventory of native bees in the Chequamegon-Nicolet National Forest. U.S. Forest Service. **\$5,000**

Howe, R.W. and **A. T. Wolf**. 2009. Baseline Inventory of Woody Plants at Wabikon Forest Dynamics Plot. Center for Tropical Forest Science, Smithsonian Institution. \$20,000

Wolf, A., A. Bauer-Danton, R. Howe, and M. Zorn. 2008. Developing a Culture of Opportunity for Minority Science Students at the University of Wisconsin-Green Bay. Wisconsin Alliance for Minority Participation (WiscAMP). **\$23,600**

Howe, R.W. and **A.T. Wolf**. 2007. Wabikon Lake forest dynamics plot: globally-networked ecological research in northern Wisconsin. The 1923 Fund (Dr. David Cofrin). **\$114,900**

Wolf, A.T., U.C. Peterson, and D. Martin. 2007. Analysis of *Phragmites australis* control measures in Green Bay wetlands. 1) Wisconsin Coastal Management Program, \$10,500 (funded) and 2) The Lakeshore Natural Resource Partnership, Inc., \$5,000 (funded). Consolidated into a single grant of **\$15,500** from the Wisconsin Department of Agriculture, Trade, and Consumer Protection to UWGB.

Howe, R.W., **A.T. Wolf**, G.A. Fewless, K.S. Corio, and J. Sundance. 2007. Establishing a Network of Forest Dynamics Plots in Wisconsin. The 1923 Fund. **\$15,000**

Wolf, A.T. 2007. Establishment of a pilot *forest dynamics plot* in the UW-Green Bay Cofrin Arboretum. UWGB Department of Natural and Applied Sciences. **\$9,000**

Wolf, A.T. 2006. Survey of Native Bees in Prairie Remnants of Southwestern Wisconsin. Prairie Biotic Research, Inc. **\$1000**

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Wolf, A.T. 2006. A Comprehensive Data Base of Wisconsin's Bee Fauna. UW-Green Bay Research Council. **\$300**

Wolf, A.T. 2006. Follow-up: A comparison of impacts of summer vs. winter logging on understory vegetation in the Chequamegon-Nicolet National Forest. U.S.D.A. Forest Service, Chequamegon Nicolet National Forest. Park Falls, WI. **\$5,000**

Wolf, A.T. 2005. A comparison of impacts of summer vs. winter logging on understory vegetation in the Chequamegon-Nicolet National Forest. U.S.D.A. Forest Service, Chequamegon Nicolet National Forest. Park Falls, WI. **\$5,000**

SERVICE

Institutional Development

Committee Service / Institutional Leadership

- Chair, UW-Green Bay Biology Discipline (2014-present)
- Committee of Six Full Professors (2017-2020)
- Committee on Committees and Nominations (2015-2018), Chair 2017
- General Education Council (2014-2017) Co-chair 2016-17
- Search and Screen Committee, Dean of Science and Technology (2016)
- Committee on Rights and Responsibilities (2014-2017)
- Research Council (2013-2016) Chair 2014-2015
- Faculty Senator (NAS) 2010-2011, 2014-2016
- Chair, Search and Screen Committee, NAS Plant Ecologist (2015)
- Environmental Science and Policy Admissions Committee (2013-2015)
- Wisconsin Alliance for Minority Participation (WiscAMP), a UW System Program for increasing minority involvement in STEM fields (UWGB representative, appointed by Provost, 2007-2010; Spring 2013-2015).
- Chair, Search Committee, Natural Areas Ecologist, Cofrin Center for Biodiversity (2014)
- Institutional Animal Care and Use Committee (2010-2012)
- Facilities Planning Committee (2012-2015)
- Instructional Development Council (2010-2011)
- Chair of the Teaching Grants Subcommittee (IDC)
- University Leadership Awards Committee 2012-2013
- Environmental Science and Policy Curriculum Committee (2011-13)
- NAS Curriculum Committee (2011-13)
- Outstanding Thesis Award Committee (2013)
- NAS Heirloom Plant Sale Budget Committee (2005-present)
- Search Committee (Chair), Research Specialist, Cofrin Center for Biodiversity July 2011
- Cofrin Center for Biodiversity, Faculty-Staff Advisory Committee (2009-2014, Chair 2012-2014)
- Cofrin Center for Biodiversity Collections Sub-committee (2005-2014)
- Cofrin Center for Biodiversity Natural Areas Sub-committee (2005-2014)
- Grants Review Committee: Wisconsin Alliance for Minority Participation 2009-2011.
- Grants Review Committee: Center for Tropical Forest Studies, June 2008
- Chancellor's Advisory Council on Diversity (2008-2010)

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- Search and Screen Committee, Provost (2009)
- Search and Screen Committee, NAS Aquatic Ecologist (2008)
- Search and Screen Committee, NAS Aquatic Ecologist 1 year position (2007)
- UWGB Awards and Recognition Committee (2006-07)
- ES&P Strategic Planning Committee (2005-2010)
- ES&P Web Site Development Sub-Committee (spring/summer 2006)
- NAS Merit review subcommittee (Spring 2007)
- Biology writing subcommittee (Spring 2007).

Professional Awards or Honors

- Herbert Fisk Johnson Professor of Natural Sciences (2017-2022)
- UW-Green Bay Founder's Award for Excellence in Scholarship (2014)
- UW-Green Bay Student Nominated Teaching Award, Early Career Category (May 2010)
- Chequamegon-Nicolet National Forest, Citizen Recognition Award (presented to Bob Howe and Amy Wolf during the 25th Anniversary of the NNF Annual Bird Survey) (2012)
- Conservation Award: Butterfly and Pollinator Conservation, Eastern Region Pollinator Program, U.S. Forest Service (2011)
- Research Scholar Award. University of Wisconsin Green Bay Research Council (Spring 2009)
- Chandler-Misener Award for outstanding article in the *Journal of Great Lakes Research* (2006).
- University of Wisconsin Green Bay Teaching Scholar I (2005)