

# CHRISTOPHER R. WEBSTER

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School of Forest Resources & Environmental Science  
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## EDUCATION

**University of Wisconsin**, Madison, WI

Ph.D. Forestry, August 2002 (G.P.A. 3.92/4.00)

Minor: Quantitative Ecology

**Purdue University**, West Lafayette, IN

M.S. Forest Science, December 1997 (G.P.A. 4.00/4.00)

B.S. (with highest distinction) Wildlife Science, May 1994 (G.P.A. 3.92/4.00)

## ACADEMIC HONORS

Gamma Sigma Delta (Biology Honor Society); Raftery Award (Wildlife Leadership Award); School of Forestry and Natural Resources Outstanding Freshman, Sophomore, and Junior; Phi Eta Sigma (Freshman Honor Society); Alpha Lambda Delta (Freshman Honor Society); Xi Sigma Pi (Forestry Honor Society); Golden Key National Honor Society; Phi Kappa Phi Honor Society

## AWARDS

Graduate Dean's Award for Student Mentoring, Michigan Technological University, 2007.

## WORK EXPERIENCE

8/02-present **Assistant Professor: Quantitative Ecology and Forest Management**

Michigan Technological University (MTU), MI.

9/98 to 8/02 **Research Assistant:** University of Wisconsin, Madison, WI.

**Advisor:** Dr. Craig G. Lorimer

1/96 to 12/97 **Research Assistant:** Purdue University, West Lafayette, IN.

**Advisor:** Dr. George R. Parker

8/95 to 11/95 **Land Condition Trend Analysis Technician:** USM, Hattiesburg, MS.

10/94 to 6/95 **Peace Corps, Volunteer Wildlife Biologist:** Kodarawa, Niger, West Africa.

5/93 to 8/94 **Forestry and Wildlife Technician:** Purdue University, West Lafayette, IN

## TEACHING EXPERIENCE

8/02 to present **Assistant Professor**

School of Forest Resources and Environmental Science, MTU

*I currently teach Integrated Resource Assessment (FW4810) and co-teach Wildlife Ecology (FW4610) and Restoration Ecology (FW5115). I have also taught Natural Resources Seminar (FW1050).*

5/07 **Co-director and Instructor: USDA Forest Service National Advanced Silviculture Program (NASP)**

- 5/06 School of Forest Resources and Environmental Science, MTU  
**Instructor: USDA Forest Service Program of Advanced Studies in Silviculture (PASS)**
- 7/05 School of Forest Resources and Environmental Science, MTU  
**Instructor: USDA Forest Service PASS**
- 7/03 School of Forest Resources and Environmental Science, MTU  
**Instructor: USDA Forest Service PASS**
- 5/02 to 6/02 School of Forest Resources and Environmental Science, MTU  
**Teaching Assistant: Forestry Summer Camp**  
 Department of Forest Ecology and Management, University of Wisconsin-Madison.
- 5/97 and 5/98 **Teaching Assistant-- Forestry Summer Camp**  
 Department of Forestry and Natural Resources, Purdue University.
- 1991 to 1993 **Teaching Assistant (Biology 108 and 109)**  
 Department of Biological Sciences, Purdue University.

## SERVICE

### *Departmental and University*

1. Poster judge: 2008 Graduate Student Council Research Symposium.
2. Strategic Hiring Initiative: Sustainability (2008). Cognate reviewer.
3. Thesis and Dissertation Policy Committee. October 2007 to present (University wide)
4. Graduate Studies Committee (2007-present, School of Forest Resources and Environmental Science, MTU)
5. Ford Center Research Forest Management Committee (2003-present)
6. Dual Career Couple Task Force (09/2006-01/2007; MTU, University wide)
7. Curriculum Committee (08/2003-08/2006; School of Forest Resources and Environmental Science, MTU)
  - a. Committee Chair (08/2005-08/2006)
8. Served on 3 faculty search committees (School of Forest Resources and Environmental Science, MTU)
9. Committee member for 24 Master of Science students (School of Forest Resources and Environmental Science, MTU)
10. Committee member for 4 Ph.D. students (School of Forest Resources and Environmental Science, MTU)
11. Advisor for 2 National Science Foundation Research Experience for Undergraduate students.
12. Advisor for 2 (1 advisee, 1 co-advisee) Summer Undergraduate Research Fellowship students (MTU)

### *National and International*

1. Featured guest on Timber Talk radio show (Timbertalk.com), March 6, 2007 (topic: invasive woody plants)
2. Invited review of the *Acer platanoides* species profile for the Global Invasive Species Database compiled by the Invasive Species Specialist Group, which is part of the Species Survival Commission of the IUCN - The World Conservation Union.
3. Ad hoc proposal reviewer for the DOE funded National Institute for Climatic Change Research.
4. Ad hoc proposal reviewer for the Austrian Science Fund.

5. Ad hoc proposal reviewer for the National Science Foundation.
6. Research representative on the Regional Silvicultural Certification Team for a Silviculturalist on the Chequamegon-Nicolet National Forest.
7. Journal reviewer
  - a. American Midland Naturalist
  - b. Biological Conservation
  - c. Canadian Journal of Forest Research
  - d. Ecosystems
  - e. Forest Ecology and Management
  - f. Forestry
  - g. International Journal of Plant Sciences
  - h. Journal of Ecology
  - i. Journal of Forestry
  - j. Journal of the Torrey Botanical Society
  - k. Natural Areas Journal
  - l. Northern Journal of Applied Forestry
  - m. Proceedings of the 2005 Central Hardwoods Conference
  - n. Proceedings of the Indiana Academy of Science
  - o. Restoration Ecology
  - p. Southern Journal of Applied Forestry
  - q. Tree Physiology

### **PROFESSIONAL MEMBERSHIPS**

Association of Southeastern Biologists; Ecological Society of America; Indiana Academy of Science; Natural Areas Association; Society of American Foresters; Society for Ecological Restoration; Torrey Botanical Society

### **GRADUATE STUDENTS**

*(Supervised as primary advisor unless otherwise noted)*

*Degrees awarded:*

1. Joshua M. Shields (2006), MS thesis: *Initial effects of group-selection harvesting with yellow birch (Betula alleghaniensis) retention on biodiversity in northern hardwoods.* (Currently an AmeriCorps Volunteer, will start a PhD at U. Florida fall 2008)
  - a. Received an Honorable Mention in the 2007 Midwestern Association of Graduate Schools (MAGS) Distinguished Master's Thesis Award Competition. Two awards and two honorable mentions were selected from a field of 51 nominated theses. Josh was MTU's nominee to the competition.
2. Jennifer A. Griggs (Thiemann) (2005), MS thesis: *Simplified floral diversity and the legacy of a protected deer herd in the agricultural woodlots of Cades Cove, Great Smoky Mountains National Park.* (Currently working as an Environmental Consultant in Minnesota)
3. Steve, R. Wangen (2004), MS thesis: *Spatial and temporal dynamics of an introduced tree species as it invades a temperate forested island.* (Currently a Doctoral Student in the Bio-Protection and Ecology Division, Lincoln University, New Zealand)

*Current students:*

1. Jill Witt, PhD Dissertation topic: *Patch selection by wintering white-tailed deer: consequences for eastern hemlock regeneration at local and landscape scales.*
2. Stacie Holmes, PhD Dissertation topic: *Mesic conifer restoration in the northern Lake States.*
3. Amber Roth, PhD Dissertation topic: *Tradeoffs in avian and vegetation productivity within intensively managed aspen forests* (Co-advisor)
4. Matt Powers, PhD Dissertation topic: *Stable Isotope Analysis to Elucidate the Physiological Basis of Silvicultural Treatment Response in Great Lakes Pine Ecosystems.*
5. Chad Fortin, MS Topic: *Arthropod community structure in restored grasslands.*
6. Max Henschell, MS topic: *Trade-offs in avian and grassland productivity* (Co-advisor).
7. Sarah Stehn, MS Thesis topic: *Plant community response to acid deposition in high-elevation spruce-fir forests.*
8. Brian M. Rajdl, MS Thesis topic: *Environmental Change and Fluctuating skeletal asymmetry in Isle Royal moose*
9. Kathryn Marlor, MS Thesis topic: *Forested wetland dynamics*
10. Dan Haskell, MS Thesis topic: *Lake shore restoration* (Co-advisor)

## PUBLICATIONS

(Graduate Student: \*; Undergraduate Student: ‡)

### Peer-reviewed Manuscripts:

1. **Webster, C.R.** and M.A. Jenkins. (*in press*) Age structure and spatial patterning of *Trillium* populations in old-growth forests. *Plant Ecology* (DOI: 10.1007/s11258-008-9410-5)
2. Shields\*, J.M., **C.R. Webster**, and A.J. Storer. 2008. Short-term community-level response of arthropods to group selection with seed-tree retention in a northern hardwood forest. *Forest Ecology and Management* 255: 129-139.
3. **Webster, C.R.**, C.J. Huckins, and J.M Shields\*. 2008. Spatial distribution of riparian zone coarse woody debris in a managed northern temperate watershed. *American Midland Naturalist* 159: 225-237.
4. Shields\*, J.M., **C.R. Webster**, and J. Glime. 2007. Bryophyte community response to silvicultural opening size in a managed northern hardwood forest. *Forest Ecology and Management* 252:222-229.
5. Shields\*, J.M. and **C.R. Webster**. 2007. Ground-layer response to group selection with legacy tree retention in a managed northern hardwood forest. *Canadian Journal of Forest Research* 37: 1797-1807.
6. Jenkins, M.A., **C.R. Webster**, and J.H. Rock. 2007. Effects of chronic herbivory and historic land use on population structure of a forest perennial, *Trillium catesbaei*. *Applied Vegetation Science* 19: 441-450.
7. Neuendorff\*, J.K., L.M. Nagel, **C.R. Webster**, and M. Janowiak\*. 2007. Stand structure and composition in a northern hardwood forest after 40 years of single-tree selection. *Northern Journal of Applied Forestry* 24(3): 197-202.
8. Shields\*, J.M., **C.R. Webster**, and L.M. Nagel. 2007. Factors influencing tree species diversity and *Betula alleghaniensis* establishment in silvicultural openings. *Forestry* 80 (3): 293-307.

9. **Webster, C.R.**, and N.R. Jensen<sup>‡</sup>. 2007. A shift in the gap dynamics of *Betula alleghaniensis* in response to single-tree selection. *Canadian Journal of Forest Research* 37: 682-689.
10. Wangen\*, S.R., and **C.R. Webster**. 2006. Potential for multiple lag phases during biotic invasions: reconstructing an invasion of the exotic tree *Acer platanoides*. *Journal of Applied Ecology* 43: 258-268.
11. **Webster, C.R.**, M.A. Jenkins, and S. Jose. 2006. Woody invaders and the challenges they pose to forest ecosystems in the eastern United States. *Journal of Forestry* 104 (7): 366-374.
12. Wangen\*, S.R., **C.R. Webster**, and J.A. Griggs. 2006. Spatial characteristics of the invasion of *Acer platanoides* on a temperate forested island. *Biological Invasions* 8:1001-1012.
13. Griggs\*, J.A., J.H. Rock, **C.R. Webster**, and M.A. Jenkins. 2006. Vegetative legacy of a protected deer herd in Cades Cove, Great Smoky Mountains National Park. *Natural Areas Journal* 26: 126-136.
14. **Webster, C.R.**, K. Nelson<sup>‡</sup>, and S. Wangen\*. 2005. Stand dynamics of an insular population of an invasive tree, *Acer platanoides*. *Forest Ecology and Management* 208: 85-99.
15. **Webster, C.R.**, and C.G. Lorimer. 2005. Minimum opening sizes for canopy recruitment of midtolerant tree species: a retrospective approach. *Ecological Applications* 15: 1245-1262.
16. Schwartz\*, J.W., L.M. Nagel, and **C.R. Webster**. 2005. Effects of uneven-aged management on diameter distribution and species composition of northern hardwoods in Upper Michigan. *Forest Ecology and Management* 211: 356-370.
17. **Webster, C.R.**, and M.A. Jenkins. 2005. Coarse woody debris dynamics in the southern Appalachians as affected by topographic position and anthropogenic disturbance history. *Forest Ecology and Management* 217: 319-330.
18. **Webster, C.R.**, M.A. Jenkins, and J.H. Rock. 2005. Long-term response of spring flora to chronic herbivory and deer exclusion in Great Smoky Mountains National Park, USA. *Biological Conservation* 125: 297-307.
19. **Webster, C.R.**, M.A. Jenkins, and J.H. Rock. 2005. Twenty years of forest change in the woodlots of Cades Cove, Great Smoky Mountains National Park. *Journal of the Torrey Botanical Society* 132: 280-292.
20. Jenkins, M.A., **C.R. Webster**, G.R. Parker, and M.A. Spetich. 2004. Coarse woody debris in managed central hardwood forests of Indiana, USA. *Forest Science* 50: 781-792.
21. **Webster, C.R.** and C.G. Lorimer. 2003. Comparative growing space efficiency of four tree species in mixed conifer-hardwood forests. *Forest Ecology and Management* 177: 361-377.
22. **Webster, C.R.** and C.G. Lorimer. 2002. Single-tree versus group selection in hemlock-hardwood forests: are smaller openings less productive? *Canadian Journal of Forest Research* 32: 591-604.
23. **Webster, C.R.**, M.A. Jenkins, and G.R. Parker. 2001. A field test of herbaceous plant indicators of deer browsing intensity in mesic hardwood forests of Indiana, USA. *Natural Areas Journal* 21: 149-158.
24. **Webster, C.R.** and G.R. Parker. 2000. Evaluation of *Osmorhiza claytoni* (Michx.) C.B. Clarke, *Arisaema triphyllum* (L.) Schott, and *Actaea pachypoda* Ell. as potential indicators of white-tailed deer overabundance. *Natural Areas Journal* 20: 176-188.

25. **Webster, C. R.** and G. R. Parker. 1997. The effects of white-tailed deer on plant communities within Indiana state parks. *Proceedings of the Indiana Academy of Science* 106: 213-231.

*Manuscripts Currently in Review:*

26. **Webster, C.R.**, J.H. Rock, R.E. Froese, and M.A. Jenkins (*in revision*) Drought-herbivory interaction disrupts competitive displacement of native plants by *Microstegium vimineum*, 10 year results. *Oecologia*
27. Janowiak\*, M.K., L.M. Nagel, and **C.R. Webster**. (*in revision*) Spatial scale and stand structure: implications for quantifying diameter distributions in northern hardwood forests. *Forest Science*
28. Thiemann\*, J.A., **C.R. Webster**, M.A. Jenkins, P.M. Hurley\*, J.H. Rock, and P.S. White. (*in review*) Long-term chronic herbivory as a driver of herbaceous-layer impoverishment in a post agricultural southern Appalachian landscape. *American Midland Naturalist*
29. Hurley\*, P.M., **C.R. Webster**, D.J. Flaspohler, and G.R. Parker (*in review*) Untangling the landscape of deer overabundance: reserve size vs. landscape context in the agricultural Midwest? *Ecological Applications*

*Manuscripts Currently in progress:*

30. Bump, J.K, **C.R. Webster**, R.O. Peterson, J.A. Vucetich, J.M. Shields, and M.D. Powers. (*in prep.*) Large ungulate carcasses perforate ecological filters in forest herbaceous layers. *Ecology Letters*
31. Holmes, S.A, and **C.R. Webster**. (*in prep.*) Influence of light availability and herbivory on plant community response to overstory disturbance. *Canadian Journal of Forest Research*
32. Holmes, S.A, **C.R. Webster**, and D.J. Flaspohler (*in prep.*) Death and *Taxus*: deer herbivory, survival, and bottlenecks to recovery. *Oecologia*
33. **Webster, C.R.**, and C.G. Lorimer. (*in prep.*) Canopy gap size influences sapling growing space efficiency in multiaged, mixed-species forests. *Forestry*

*Peer-reviewed book chapters:*

34. **Webster, C.R.**, and S.R. Wangen\* (*in press*) Spatial and temporal dynamics of exotic tree invasions: lessons from a shade-tolerant invader, *Acer platanoides*. In: Invasive Plants and Forest Ecosystems; Jose, S. and R.K. Kohli eds., CRC Press. (*invited*)
35. Flaspohler, D., **C.R. Webster**, and R.E. Froese (*in press*) A review of known and potential effects of bioenergy crops on ecosystems and biodiversity. In: Renewable Energy from Forest Resources in the United States; Solomon, B.D. and V.A. Luzadis, eds., Routledge.
36. **Webster, C.R.**, M.A. Jenkins, S. Jose, L.M. Nagel. (*in prep.*) Exotic herb layers as ecological filters in forest understories. In: Invasive Species: Detection, Impact and Control. Nova Science Publishers, Inc.

*Non-peer-reviewed publications:*

37. **Webster, C.R.** (*in press*) Invasion biology and control of exotic woody plants at Sleeping Giant State Park. Sleeping Giant State Park News Letter
38. **Webster, C.R.**, M.A. Jenkins, and S. Jose. 2007. Invasion biology and control of invasive woody plants in eastern forests. *Native Plants Journal* 8(2): 97-106. (*invited*)
39. Nagel, L.M., M.K. Janowiak\*, and **C.R. Webster**. 2007. Spatial scale affects diameter distribution shape in uneven-aged northern hardwoods. Pp. 41-43 In: Complex Stand Structures and Associated Dynamics: Measurement Indices and Modelling Approaches; Newton, P.F., V.M. LeMay, A. Groot, P. Marshall, W. Meades, K. O'Hara, M. Sharma, and M. Ter-Mikaelian eds., Ontario Forest Research Institute, Forest Research Information Paper No. 167.
40. **Webster, C.R.** and C.G. Lorimer 2004. Manipulating group-selection opening size to promote tree species diversity in hemlock-hardwood forests. Pp. 299-309 in Proceedings, Society of American Foresters National Convention, Buffalo, NY, October 26, 2003.
41. **Webster, C.R.** 2004. *Book Review of Ecology and Control of Introduced Plants* By J.H. Myers, D.R. Bazely. 2003. Cambridge University Press, Cambridge, UK. *Forest Science* 50:278.

### PRESENTATIONS

1. **Webster, C.R.**, and L.M. Nagel. Can historic disturbances regimes maintain species diversity in contemporary forests? Society of American Foresters National Convention, Portland, OR, October 26, 2007.
2. Nagel, L.M., and **C.R. Webster**. Factors Affecting Diameter Distribution Shape in Uneven-aged Northern Hardwoods. Society of American Foresters National Convention, Portland, OR, October 25, 2007.
3. Flaspohler, D.J., **C.R. Webster**, and A. Roth. Trade-offs between biodiversity and biofuel feedstock production. Wood-to-Wheels Campus Seminar, Michigan Technological University, Houghton, MI, September 13, 2007.
4. **Webster, C.R.** and M.A. Jenkins. Age structure and spatial patterning of *Trillium* populations in old-growth forests. The Ecological Society of America, 92nd Annual Meeting, San Jose, CA, August 6, 2007.
5. Nagel, L.M., M.K. Janowiak, and **C.R. Webster**. Spatial scale affects diameter distribution shape in uneven-aged northern hardwoods. International Union of Forest Research Organizations, International Forest Science Meeting, Sault Ste. Marie, Ontario, Canada, July 29 - August 2, 2007.
6. **Webster, C.R.**, A downward spiral: deer abundance and vegetation dynamics in anthropogenic landscapes, Xi Sigma Pi Symposium, April 13, 2007. (*invited*)
7. Janowiak, M.K., L.M. Nagel, and **C.R. Webster**. Sampling scale and diameter distributions in northern hardwood forests. Society of American Foresters National Convention, Pittsburgh, Pennsylvania, October 25 – 29, 2006. (poster)
8. Shartell, L.M., L.M. Nagel, A.J. Storer, M.D. Hyslop and **C.R. Webster**. 2007. Risk assessment of invasive plants within the National Parks of the Great Lakes Network. Poster presentation, George Wright Society Conference on Parks, Protected Areas, and Cultural Sites, St. Paul, MN, April 16-20, 2007.
9. **Webster, C.R.** Habitat Survey of the Eagle River Watershed. Eagle River, MI. Sponsored by the Houghton Keweenaw Conservation District and the Michigan Department of Environmental Quality. October 16, 2006.

10. Griggs, J.A., **C.R. Webster**, M.A. Jenkins, and J.H. Rock. Simplified floral diversity and the legacy of deer overabundance in Great Smoky Mountains National Park. The Ecological Society of America, 91st Annual Meeting, Memphis, TN, August 9, 2006.
11. Jenkins, M.A., **C.R. Webster**, J.H. Rock. Effects of chronic herbivory and historic land use on population structure of a forest perennial, *Trillium catesbaei*. The Ecological Society of America, 91st Annual Meeting, Memphis, TN, August 9, 2006.
12. **Webster, C.R.**, and S.R. Wangen. 2005. Time lags and invasion risk: reconstructing the invasion of Mackinac Island by Norway maple. 4th Annual Western Great Lakes Research Conference, Marquette, MI. March 30, 2005.
13. Nagel, L.M., **C.R. Webster**, and A.J. Storer. 2005. Impact and suppression efforts for five prominent invasive plant species in northern Great lakes forests. 4th Annual Western Great Lakes Research Conference, Marquette, MI. March 30, 2005.
14. Storer, A.J., L.M. Nagel, **C.R. Webster**, and M.D. Hyslop. 2005. A predictive model for exotic plant species for the Great lakes network of the National Park Service. 4th Annual Western Great Lakes Research Conference, Marquette, MI. March 30, 2005. (poster)
15. Griggs, J.A., **C.R. Webster**, J.H. Rock, and M.A. Jenkins. 2004. Can forest plant communities recover from overabundant deer populations? 31st Annual Natural Areas Conference, Chicago, IL. October 16, 2004.
16. **Webster, C.R.** Norway Maple on Mackinac Island: Past, Present, and Future. Mackinac Island Public Library, sponsored by The Mackinac Island Community Foundation. August 25, 2004.
17. **Webster, C.R.**, and C.G. Lorimer. Surviving in “dismal dark and cold corners”: effects of canopy gap size on sapling growing space efficiency. North American Forest Biology Workshop, Michigan Tech, Houghton, MI, July 14, 2004.
18. Wangen, S.R., J. Griggs, **C.R. Webster**. Modeling spatial characteristics of the invasion of an exotic tree species—*Acer platanoides*. 3rd Annual Forest and Wildlife Research Review, University of Minnesota--Duluth, January 15, 2004. (*invited*) (poster)
19. J. Griggs, Wangen, S.R., **C.R. Webster**. Invasion of Norway maple into Mackinac Island State Park. 30th Natural Areas Conference, Madison, WI, September 24-27, 2003. (Poster)
20. **Webster, C.R.** and C.G. Lorimer 2003. Manipulating group-selection opening size to promote tree species diversity in hemlock-hardwood forests. Pp. 299-309 in Proceedings, Society of American Foresters National Convention, Buffalo, NY, October 26, 2003.
21. **Webster, C.R.** Group selection as a management tool on the Menominee Indiana Reservation. Menominee Tribal Enterprises, Forestry Center, Keshena, WI, April 10, 2003. (*invited*)
22. **Webster, C.R.** Group selection as an alternative to even-aged management: effects on productivity and species composition. USDA Forest Service, North Central Research Station, Grand Rapids, MN, February 20, 2003. (*invited*)
23. **Webster, C.R.** and C.G. Lorimer. Comparative productivity and composition of canopy gaps in uneven-aged northern hemlock-hardwood forests. 86th Annual Meeting of the Ecological Society of America, Monona Terrace, Madison, WI, August 8, 2001.
24. **Webster, C.R.** and G.R. Parker. Sweet cicely, jack-in-the-pulpit, and white baneberry as indicators of white-tailed deer browsing intensity within mesic forest of Indiana. 1998 Spring Wildlife Society Technical Meeting, Nashville, IN, March 4, 1998.
25. **Webster, C.R.** and G.R. Parker. Evaluation of *Osmorhiza claytoni*, *Arisaema triphyllum*, and *Actaea pachypoda* as potential indicators of white-tailed deer overabundance. 113th Annual Meeting of the Indiana Academy of Science, Saint Joseph's College, Rensselaer, IN, October 31, 1997.

26. **Webster, C.R.** and G. R. Parker. The influence of white-tailed deer on forest communities of Midwestern state parks. Forestry and Natural Resources Research Symposium, Purdue University, West Lafayette, IN, April 17, 1997. (poster)
27. **Webster, C.R.** and G. R. Parker. The influence of white-tailed deer on forest communities of Midwestern state parks. The Ecological Society of America 82nd Annual Meeting, Albuquerque, NM, August 11, 1997.
28. **Webster, C.R.** and G. R. Parker. Effects of browsing by white-tailed deer on Indiana's State Parks. 112th Annual Meeting of the Indiana Academy of Science, DePauw University, Green Castle, IN, November 8, 1996.

### **GRANT SUPPORT**

*(Total project value including cost share)*

1. National Park Service. Are threatened high-elevation spruce-fir forests impacted by acid deposition? 07/01/07-07/01/09. \$73,136. (**Webster** [PI<sub>MTU</sub>], Co-PI's on umbrella NPS project: Jenkins [National Park Service] and Jose [University of Florida])
2. USDA Forest Service. Certified Silviculturist Program of the US Forest Service Ecological Systems Course. 02/07-02/08. \$128,110. (Nagel [PI], **Webster** [Co-PI]).
3. Cornell University (National Fish and Wildlife Foundation). Golden-winged warbler conservation initiative. 2007-2008. \$47,614. (Flaspohler [PI], Co-PIs: **Webster**, Roth).
4. Keweenaw Community Forest Company. FW4810 Capstone Enterprise Project: Gratiot Lake Conservancy. 01/2005- 01/2007. \$1000 (**Webster** [PI])
5. Keweenaw Community Forest Company. FW4810 Capstone Enterprise Project: 2005 Bete Gris Preserve and 2006 Bruneau project. 01/2005- 01/2007. \$1000 (**Webster** [PI])
6. Houghton Keweenaw Conservation District/ MI-DEQ. Eagle River Watershed: Habitat Survey and Baseline Data Collection. 01/2006-11/2006. \$20,100 (**Webster** [PI], Huckins [Co-PI])
7. Detroit Edison. Feasibility Study: Managing Carbon in Michigan's Upper Peninsula. 07/2005-06/2006. \$27,910 (Froese [PI], Co-PIs: **Webster**, Pickens)
8. Keweenaw Community Forest Company. Mesic Conifer Restoration Monitoring. 06/2005-05/2006. \$2457 (**Webster** [PI])
9. National Science Foundation-MUSES. Renewable Energy from Forest Resources: An Investigation into the Viability of Large-Scale Production of Sustainable Transportation Fuels from Lignocellulosic Biomass. 9/2005-8/2010. \$1,911,900 (Maclean [PI], Co-PIs: Shonnard, Solomon, Flaspohler, Halversen, **Webster**, Sutherland, Chadde) (*Webster's share: \$248,481*)
10. Michigan Department of Natural Resources, Wildlife Division. Winter Use by White-Tailed Deer of Remnant Hemlock Stands in the Western Upper Peninsula. 01/2005-09/2008. \$209,768 (**Webster** [PI], Co-PIs: Peterson, Vucetich, Drummer)
11. McIntire-Stennis Cooperative Forestry Program. Restoration of Underrepresented Trees and Shrubs in the Western Upper Peninsula of Michigan. 10/2005-9/2008. \$21,000 (**Webster** [PI])
12. Research Planning Inc. Modeling Biomass Recovery Following an Oil Fire at Obed Wild and Scenic River. 08/2005-12/2005. \$5046 (**Webster** [PI])
13. Keweenaw Community Forest Company. Capstone Enterprise Project: The Cabin and the 240 projects. 08/2004-12/2004. \$1358 (**Webster** [PI])
14. Applied Restoration Grant, U.S. Fish and Wildlife Service. The Effect of Gap Size and Location on Establishment, Growth, and Restoration of Canada Yew (*Taxus canadensis*). 06/2004-09/2004. \$1401 (**Webster** [PI], Flaspohler [Co-PI])

15. National Park Service (Cooperative Ecosystem Science Unit). A Predictive Model for Exotic Plant Species for the Great Lakes Network. 2004-2006. \$87,172 (Storer [PI], Co-PIs: Nagle, **Webster**, Hyslop)
16. NSF/MUSES Planning Grant. Renewable Energy from Forest Resources: Investigating the Complex Interrelated Issues Associated with Generating Automotive Fuels from Lignocellulosic Biomass. 09/2004-08/2005. \$114,498 (Maclean [PI], Co-PIs: Halversen, Shonnard, Sutherland, **Webster**, Flaspohler, Hokanson, Solomon)
17. McIntire-Stennis Cooperative Forestry Program. A Plague of Maples: Modeling the Spread of an Invasive Exotic Tree Species, *Acer platanoides*. 10/2002-9/2005. \$21,000 (**Webster** [PI])
18. MTU –Faculty Scholarship Grant. Southern Appalachian Ecological Research Partnership. 01/2003-06/2004. \$2000 (**Webster** [PI])