

ERIK EDWARD NORDMAN, PH.D.

ASSISTANT PROFESSOR OF NATURAL RESOURCES MANAGEMENT

CURRICULUM VITAE

10 SEPTEMBER 2009

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## PERSONAL INFORMATION

### *CONTACT INFORMATION*

Grand Valley State University	Phone: (616) 331-8705
Biology Department	Fax: (616) 331-3446
212 Henry Hall	Email: <a href="mailto:nordmane@gvsu.edu">nordmane@gvsu.edu</a>
1 Campus Drive	
Allendale, MI 49401	

### *EDUCATION*

Ph.D.	State University of New York (SUNY) College of Environmental Science and Forestry at Syracuse, 2006.
M.S.	SUNY College of Environmental Science and Forestry at Syracuse, 1998.
B.S.	SUNY College at Geneseo, 1995.

### *PROFESSIONAL POSITIONS*

2006 – present	Assistant Professor, Biology Department, Grand Valley State University, Allendale, MI.
2008 - present	GVSU Natural Resources Management Program Coordinator
2002 – 2006	Graduate Research Assistant, SUNY College of Environmental Science and Forestry, Syracuse, NY.
2000 – 2002	Environmental Analyst, NYSTEC, Rome, NY.
1999 – 2000	Tree Improvement Specialist, Indiana Department of Natural Resources, Vallonia, IN.

## TEACHING

### *COURSES TAUGHT AT GVSU*

BIO 105	Environmental Science
NRM 250	Resource Measurements and Maps (Lab)
NRM 350	Aerial Photography and Remote Sensing of the Environment
NRM 395	GIS Applications in Resources Management
NRM 399	Readings in Resource Management
NRM 480	Geospatial Analysis of Natural Resources
NRM 495	Trends in Natural Resources Management (Capstone)
NRM 499	Research in Resource Management
NRM 699	Graduate Independent Study (GIS)

## SCHOLARSHIP

### *PEER-REVIEWED PUBLICATIONS*

Nordman, E. and J. Wagner. (In press). Incorporating acquisition costs in forestland open space programs: Lessons from conservation biology and applications. *Journal of Forestry*.

Luzadis, V., L. Castello, J. Choi, C. Franco, E. Greenfield, S. Kim, J. Munsell, **E. Nordman**, and F. Olowabi. (In press). The science of ecological economics: A content analysis of *Ecological Economics*, 1989-2004. *The Year in Ecological Economics*.

Kuehn, D., R. Schuster, M. Mink, and **E. Nordman**. (In press). Beliefs and attitudes of four stakeholder groups in the Saranac Lakes area of New York's Adirondack Park. *Adirondack Journal of Environmental Studies*.

Nordman, E., D. Robison, L. Abrahamson, and T. Volk. 2005. Relative resistance of willow and poplar biomass production clones across a continuum of herbivorous insect specialization: Univariate and multivariate approaches. *Forest Ecology and Management* 217: 307-318.

## *WORKING PAPERS, PROCEEDINGS, OUTREACH, AND TECHNICAL PUBLICATIONS*

Nordman, E. 2009. Regional response to a statewide renewable energy standard: Status and trends of wind energy development in West Michigan. Technical report in partial fulfillment of the GVSU Wind Energy Integrated Assessment project, funded by Michigan Sea Grant.

Nordman, E., and J. Wagner. Public purchases and private preferences: A hedonic model of open space acquisitions. Working paper, Grand Valley State University, Allendale, MI. 27 p. Available at: [http://works.bepress.com/erik\\_nordman/1/](http://works.bepress.com/erik_nordman/1/), accessed 19 May 2009.

Nordman, E. 2008. Natural resources management students combine science with service. *Interchange*: The newsletter of the GVSU Regional Math and Science Center. Available online at <http://www.gvsu.edu/rmsc/interchange/index.cfm?id=3FDB2E68-915F-CBD7-3DA0EF0C88297739>, accessed 29 October 2008.

Nordman, E. 2007. Evaluating public open space preservation priorities. In *Proceedings of the Society of American Foresters National Convention*, Portland, Oregon, October 23-27, 2007.

Nordman, E. 2007. Can the market save open space? *MiBiz*, August 6, 2007.

Nordman, E. 2007. Sustainable architecture: Beyond green building. *MiBiz*, June 25, 2007.

Nordman, E. and A. Nikitin. 2007. *Satellite image interpretation case study: Human pre-historic settlement sites in western Ukraine*. Educational module for the annual Conference on Remote Sensing Education, June 25-29, 2007, Auburn, NY. Sponsored by the Institute for the Application of Geospatial Technology.

Nordman, E. 2006. *A public hedonic analysis of environmental attributes in an open space preservation program*. Ph.D. dissertation, State University of New York College of Environmental Science and Forestry, Syracuse, NY, 157 p.

## *CONFERENCE PRESENTATIONS AND POSTERS*

Nordman, E. 2009. GIS: An integrating tool for assessing wind turbine potential. Poster presentation, 2009 Michigan Agri-Energy Conference. 30-31 March 2009, Kalamazoo, MI.

Nordman, E. 2008. GIS: An integrating tool for wind turbine siting. Presentation at GVSU GIS Day, 19 November 2008, Grand Valley State University, Allendale, MI.

Nordman E. 2008. Windy Science. Presentation at GVSU Regional Math and Science Center's Fall Science Update, 19 November 2008, Grand Valley State University, Allendale, MI.

Nordman, E. and M. Buzzard<sup>1</sup>. 2008. Education as an additional management factor in the Recreation Opportunity Spectrum. Poster presentation at the Society of American Foresters National Convention, 5 November 2008, Reno, NV.

Nordman, E. 2008. Open space preservation: Economic values and priorities. Invited presentation at the Annis Water Resources Institute Seminar Series, 20 February 2008.

Nordman, E. 2008. Open space preservation: Economic values and priorities. Invited presentation at the Annis Water Resources Institute Research Seminar, February 20, 2008.

Nordman, E. 2007. Evaluating public open space preservation priorities. Presentation at the Society of American Foresters National Convention, October 23, 2007, Portland, OR. Presentation at GVSU College of Liberal Arts and Sciences Research Colloquium, September 21, 2007.

Nordman, E. and J. Wagner. 2007. Prioritizing open space purchases using environmental benefit scores and acquisition costs. Presentation at the Michigan Academy of Science, Arts and Letters, March 9, 2007, Big Rapids, MI.

Nordman, E., D. Robison, L. Abrahamson, and T. Volk. 2007. A multivariate approach to characterizing insect resistance in willow and poplar biomass production clones. Presentation at the Michigan Academy of Science, Arts and Letters, March 9, 2007, Big Rapids, MI.

Nordman, E., L. Quackenbush, and L. Herrington. 2006. Object-oriented land cover classification of a suburban watershed using QuickBird satellite imagery. Paper at the 5th Annual New York State Remote Sensing Symposium and Great Lake Regional Data Exchange, April 4-6, 2006, Rochester, NY.

Nordman, E. and J. Wagner. 2006. A hedonic analysis of environmental attributes in an open space land acquisition program. Presentation at the New York Society of American Foresters Annual Meeting, February 2, 2006, Liverpool, NY.

Nordman, E., L. Quackenbush, and L. Herrington. 2005. Object-oriented land cover classification using QuickBird satellite imagery. Poster at the New York Society of American Foresters Annual Meeting, February 2, 2006, Liverpool, NY. Poster at the New York State GIS Conference, October 17-18, 2005, Rochester, NY.

Nordman, E. and J. Wagner. 2005. Spatial analysis of landscape pattern and ecosystem service valuation in Long Island's Carmans River watershed. Presentation at the New York State GIS Conference, October 17-18, 2005, Rochester, NY.

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<sup>1</sup> Undergraduate student author

Luzadis, V., L. Castello, J. Choi, C.B. Franco, E. Greenfield, S. Kim, J. Munsell, E. Nordman, and F. Olowabi. 2005. The science of ecological economics. Paper presentation, November 18, 2005, Southern Economics Association, Washington, D.C.

Volk, T.A., E. Nordman, L.P. Abrahamson, E.H. White, and L.B. Smart. 2004. Current and future status of short-rotation woody crops in the Northeastern United States. Presentation at the Sixth Biennial Meeting of the Short Rotation Woody Crops Operations Working Group, November 7-10, 2004, Charleston, SC.

### *GRANTS AND PARTNERSHIPS*

Michigan Sea Grant. 2008 Locating wind energy facilities in Michigan's coastal counties: An integrated assessment for Muskegon and West Michigan. Principal Investigator: Erik Nordman. Co-investigators: Paul Isely, John Koches, Kurt Thompson. Duration: 3 years. External funding: \$139,912. In-kind contributions: \$103,543. Total project budget: \$243,455.

Pew Faculty Teaching and Learning Center. 2008. Travel grant to present at the 2008 Society of American Foresters National Convention. \$400, funded

GVSU Faculty Research and Development Center. 2008. Scholarly travel grant-in-aid to present at the 2008 Society of American Foresters National Convention. \$500, funded.

Pew Technology Enhancement Grant. 2007. Satellite image interpretation case study: human pre-historic settlement sites in western Ukraine. \$500, funded.

Institute for the Application of Geospatial Technology. 2007. Satellite image interpretation case study: human pre-historic settlement sites in western Ukraine. \$122 cost sharing, funded.

Pew Faculty Teaching and Learning Center. 2007. Travel grant to present at the 2007 Society of American Foresters National Convention. \$400, funded

GVSU Faculty Research and Development Center. 2007. Scholarly travel grant-in-aid to present at the 2007 Society of American Foresters National Convention. \$500, funded.

## ACADEMIC AND PUBLIC SERVICE

### *SERVICE TO UNIT*

2008 - present    Coordinator, Natural Resources Management Program

2006 - present    Member, Natural Resources Management Committee

2007 - present    Faculty Mentor Student Scholarship Day

2006 – present Faculty Representative, Student Visitation Days  
 2008 – 2009 Chair, Biology Department Curriculum Committee  
 2007 – 2008 Member, Biology Department Curriculum Committee  
 2006 - 2007 Member , Faculty Search Committee, NRM

*SERVICE TO UNIVERSITY*

2006 – present Michigan Higher Education Land Policy Consortium Member  
 2006 – present Storm Water Advisory Group Member  
 2006 – present GIS User’s Group Member  
 2007 – 2008 Science Olympiad Faculty Mentor

*SERVICE TO PROFESSIONAL COMMUNITY*

2009 - present Great Lakes Commission, Wind Energy Best Practices Working Group Member  
 2007 – present Society of American Foresters Economics, Policy, and Law Working Group Member  
 2006 – present *World Bank’s Development Marketplace* Reviewer

*Journal of Forestry*  
*USDA Forest Service*  
*Land Economics*  
*Northern Journal of Applied Forestry*  
*Forest Science*  
*Environmental Management*

*SERVICE TO COMMUNITY*

2008 – present West Michigan Environment Action Council Board member  
 2008 Van Zoeren Woods Project, Zeeland Charter Township Pro-bono consultant  
 2007 Maplewood Lake Pollution Project ,Georgetown Township, MI Pro-bono consultant (with H. Rueth)

*SCIENTIFIC AND PROFESSIONAL SOCIETIES*

American Wind Energy Association

Society of American Foresters

American Association for the Advancement of Science