

CURRICULUM VITA

ERIC M. WHITE

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Corvallis OR 97331
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EDUCATION:

Ph.D., Forestry (Natural Resource Planning and Economics)

Department of Forestry, Michigan State University

Dissertation title: Modeling the visitation of geographically segmented visitor groups to forests and sites managed by the USDA Forest Service

M.S., Forestry (Natural Resource Management and Policy)

Department of Forestry, Southern Illinois University Carbondale

Thesis title: A spatial analysis of mill location and timber procurement influence on Illinois sawlog exportation rates

B.S., Forestry

Southern Illinois University Carbondale

RESEARCH EMPLOYMENT:

ASSISTANT PROFESSOR (Senior Research) February 2011-Present
Department of Forest Engineering, Resources and Management,
Oregon State University

RESEARCH ASSOCIATE Sept. 2009-January 2011
Department of Forest Engineering, Resources and Management,
Oregon State University

RESEARCH ECONOMIST Sept. 2005-Sept. 2009
Land Use Land Cover Dynamics Research Team,
Pacific Northwest Research Station, USDA Forest Service

GRADUATE RESEARCH ASSISTANT August 2001-August 2005
Department of Forestry,
Michigan State University

GRADUATE RESEARCH ASSISTANT August 1999-August 2001
Department of Forestry,
Southern Illinois University

PUBLICATIONS AND PRESENTATIONS:

Peer-reviewed publications:

Latta, G.S., D.M. Adams, R.J. Alig, and **E.M. White** (in press). Simulated effects of mandatory versus voluntary forest carbon offset markets in the United States. *Journal of Forest Economics*.

Adams, D.M., R.J. Alig, G.S. Latta, and **E.M. White** (in press). Regional impacts of a program for forest carbon offset sales. *Journal of Forestry*.

Kline, J.D., R.S. Rosenberger, and **E.M. White** (in press). A national assessment of physical activity on US national forests. *Journal of Forestry*.

White, E.M., R.J. Alig, and S.M. Stein. (2010). Socio-economic changes and forestland development: Commonalities and distinctions between the eastern and western USA. *Journal of Forestry* 108(7): 329 – 337.

White, E.M., A.T. Morzillo, and R.J. Alig. (2009). Past and projected rural land conversion in the US at state, regional, and national levels. *Landscape and Urban Planning* 89(2009): 37 – 48.

White, E.M. and D.J. Stynes. (2008). National forest visitor spending averages and the influence of trip-type and recreation activity. *Journal of Forestry* 116(1): 17 – 24.

Alig, R.J. and **E.M. White**. (2007). Projections of forestland and developed land areas in Washington. *Western Journal of Applied Forestry* 22(1): 29 – 35.

White, E.M. and L.A. Leefers. (2007). Influence of natural amenities on residential property values in a rural setting. *Society and Natural Resources* 20: 659 – 667.

Carver, A.D., R. Thureau, **E.M. White**, and M. Lazdinis. (2006). Applying spatial analysis to forest policy evaluation: Case study of the Illinois Forestry Development Act. *Environmental Science & Policy* 9: 253 – 260.

Stynes, D.J. and **E.M. White**. (2006). Reflections on measuring recreation and travel spending. *Journal of Travel Research* 45(August): 8 – 16.

White, E.M. and A.D. Carver. (2004). Modeling timber mill procurement influence effects on interstate sawlog exportation. *Forest Policy and Economics* 6(6): 529 – 537.

White, E.M. and A.D. Carver. (2002). Diversifying farm income through woodlot management: Characteristics of farmer-owned NIPF land in Illinois. In Proc. 13th Central Hardwood Forest Conference. Van Sambeck, J.W., Dawson, J.O., Ponder Jr., F, Louwenstein, E.F., and J.S. Fralish, Eds. USDA FS GTR NC-234.

Selected research reports and outreach publications:

White, E.M., R.J. Alig, and A.T. Morzillo. (in press). Land and water resources in the United States. In Recreation resources in the United States: status and trends. Asheville, NC: USDA FS Southern Research Station. SRS-GTR-XXX

Zarnoch, S.J., **E.M. White,** D.B.K. English, S.M. Kocis, and R. Arnold. (in press). The National Visitor Use Monitoring methodology and final results for Round 1. Asheville, NC: USDA FS Southern Research Station. SRS-GTR-XXX

Alig, R.J., E.A. Stone, and **E.M. White.** (2011). Land value changes and carbon sequestration as an ecosystem service in a climate-changed environment. In Effects of climate change on natural resources and communities: a compendium of briefing papers. Portland, OR: USDA FS Pacific Northwest Research Station. PNW-GTR-837. pp. 43 – 72.

White, E.M., R.J. Alig, and R.G. Haight (2010). The forest sector in a climate changed environment. In Economic modeling of effects of climate change on the forest sector and mitigation options: a compendium of briefing papers. Portland, OR: USDA FS Pacific Northwest Research Station. PNW-GTR-833. pp. 1 – 30.

White, E.M., and R.J. Alig (2010). Public and private forest ownership in the context of carbon sequestration and bioenergy feedstock production—existing research and research needs. In Economic modeling of effects of climate change on the forest sector and mitigation options: a compendium of briefing papers. Portland, OR: USDA FS Pacific Northwest Research Station. PNW-GTR-833. pp. 143 – 161.

Kline, J.D., and **E.M. White**—tech. coords. (2010). Land use planning ballot initiatives in the Pacific Northwest. Portland, OR: USDA FS Pacific Northwest Research Station. PNW-GTR-829. 55 p.

Kim, J.S., and **E.M. White** (2010). Washington and Oregon’s socioeconomic landscape and the impact on land-use referenda voting. In Land use planning ballot initiatives in the Pacific Northwest. Portland, OR: USDA FS Pacific Northwest Research Station. PNW-GTR-829.

White, E.M., and D.J. Stynes. (2010). Updated spending profiles for national forest recreation visitors by activity. Report for USDA FS and OSU Joint Venture Agreement No. 10-JV-11261955-018. 40 p.

White, E.M. (2010). Woody biomass for bioenergy and biofuels in the United States—a Briefing Paper. Portland, OR: USDA FS Pacific Northwest Research Station. PNW-GTR-825. 45 p.

White, E.M. and D.J. Stynes. (2010). Characterization of resident and non-resident visitors to Alaska national forests. Report for USDA FS and OSU Joint Venture Agreement No. 10-JV-11261955-018. 36 p.

White, E.M., D. Raper, and D.J. Blahna. (2010). Recreation patterns and characteristics for the federal lands in the Southern Nevada Agency Partnership. Report for USDA FS and OSU Joint Venture Agreement No. 10-JV-11261955-018. 44 p.

- Fay, G., S. Colt, and **E.M. White**. (2010). Data survey and sampling procedures to quantify recreation use on national forests in Alaska. Portland, OR: USDA FS Pacific Northwest Research Station. PNW-GTR-808. 59 p.
- White, E.M.**, R.J. Alig, S.M. Stein, L.G. Mahal, and D.M. Theobald. (2009). A sensitivity analysis of 'Forest on the Edge: Housing Development on America's Private Forests.' Portland, OR: USDA FS Pacific Northwest Research Station. PNW-GTR-792. 35 p.
- White, E.M.**, and R. Mazza. (2008). A closer look at forests on the edge: Future development on private forests in three states. Portland, OR: USDA FS Pacific Northwest Research Station. PNW-GTR-758. 20 p.
- White, E.M.**, and J.B. Wilson. (2008). National Visitor Use Monitoring implementation in Alaska. Portland, OR: USDA FS Pacific Northwest Research Station. PNW-GTR-740. 52 p.
- Stein, S.M., R.J. Alig, **E.M. White**, S.J. Comas, M. Carr, M. Eley, and others. (2007). National forests on the edge: Development pressures on America's national forests and grasslands. Portland, OR: USDA FS Pacific Northwest Research Station. PNW-GTR-728. 26 p.
- White, E.M.**, S.J. Zarnoch, D.B.K. English. (2007). Area-specific recreation use estimation using the National Visitor Use Monitoring Program data. Portland, OR: USDA FS Pacific Northwest Research Station. PNW-RN-557. 26 p.
- Stynes, D.J. and **E.M. White**. (2006). Spending profiles for national forest recreation visitors by activity. Report for USDA FS and MSU Joint Venture Agreement No. 01-JV-11130149-203.
- Leefers, L.A. and **E.M. White**. (2005). Hedonic pricing analysis of property values and land use. Outreach Publication of the Victor Institute for Responsible Land Development and Use, Michigan State University. 4 p.
- Stynes, D.J. and **E.M. White**. (2005). Spending profiles of national forest visitors, NVUM four-year report. Report for USDA FS and MSU Joint Venture Agreement No. 01-JV-11130149-203. 44 p.
- Stynes, D.J. and **E.M. White**. (2005). Effects of changes in the FY 2003 NVUM instrument and development of national forest visitor spending profiles for lodging-based segments. Report for USDA FS and MSU Joint Venture Agreement No. 01-JV-11130149-203. 37 p.
- Stynes, D.J. and **E.M. White**. (2004). Spending profiles of national forest visitors, 2002 update. Report for USDA FS and MSU Joint Venture Agreement No. 01-JV-11130149-203. 46 p.
- Stynes, D.J., **E.M. White**, and L.A. Leefers. (2003). Spending profiles of national forest visitors, years 2000 and 2001. USDA FS and MSU Joint Venture Agreement No. 01-JV-11130149-203. 62 p.

- Stynes, D.J. and **E.M. White**. (2003). Spending profiles of national forest visitors. USDA FS and MSU Joint Venture Agreement No. 01-JV-11130149-203. 31 p.
- Stynes, D.J. and **E.M. White**. (2002). Spending profiles of national forest visitors, year 2 forests. USDA FS and MSU Joint Venture Agreement No. 01-JV-11130149-203. 12 p.
- Stynes, D.J. and **E.M. White**. (2002). Spending profiles of national forest visitors, year 1 forests. USDA FS and MSU Joint Venture Agreement No. 01-JV-11130149-203. 32 p.

Selected published proceedings:

- Stein, S.M., M.D. Robles, **E.M. White**, and S.J. Comas. (2009). Forest development across the USA and implications for wildlife. In Proceedings of the 72nd North American Wildlife and Natural Resources Conference. March 20 – 24, 2007, Portland, OR.
- White, E.M.**, S.M. Stein, and R.J. Alig. (2008). Forests on the edge: Development pressures on America's public and private forests. In Proceedings of the Society of American Foresters, National Convention 2007. October 23 – 27, 2007, Portland, OR.
- White, E.M.**, S.M. Stein, and R.J. Alig. (2007). Forests on the edge: Development pressures on America's National Forest System. In Proceedings of the 2007 Urban-Rural Interface conference. April 4 – 12, 2007, Auburn, AL. pp. 241 – 245.
- Carver, A.D., R. Thureau, J.S. Fralish, R.C. Anderson, **E.M. White**, D. Close, C. Ruffner and T. McCardle. (2002). Mapping the presettlement, present, and projected future forest community types in the Illinois Ozark Hills using a geographic information system. In Proceedings of the 63rd Annual Meeting of the Association of Southeastern Biologists April 10-13, Boone, North Carolina. p. 158.
- White, E.M.**, A.D. Carver, J.E. Phelps, and R.J. Beck. (2001). Characterizing timber mill production in the southern Illinois region: Is production potential related to Illinois raw-log exportation. Poster presentation at the Society of American Foresters 2000 National Convention. pp 515 – 518.
- White, E.M.**, A.D. Carver, and J.E. Phelps. (2000). Where have all the logs gone: a spatial analysis of timber exportation in southern Illinois. In Proc. Southern Forest Economics Workers Conference. Pelkki, M.H., Ed. March 26-28. Lexington, Kentucky. pp. 14 – 19.

Selected presentations at professional meetings:

- White, E.M., G.M. Latta, R.J. Alig, and D.M. Adams. (2011). Afforestation under a carbon market in dynamic forest and agriculture landscapes. Oral presentation (White), United States Regional Association of the International Association for Landscape Ecology national meeting. April 3 – 7, 2010. Portland, OR.
- White, E.M., R.J. Alig, G.M. Latta, and D.M. Adams. (2010). Regional land use conversion in the context of using biomass for bioenergy. Oral presentation (White), Western Forest Economists Meeting. May 3–5. Welches, OR.
- White, E.M., R.J. Alig, and G.M. Latta. (2010). Regional land use conversion in the context of using biomass for bioenergy. Oral presentation (White), United States Regional Association of the International Association for Landscape Ecology national meeting. April 5 – 10, 2010. Athens, GA.
- White, E.M., Alig, R.J., Stein, S.M., and D.M. Theobald. (2009). Past and projected residential development at low housing densities on private forestland in the U.S. Oral presentation (White), United States Regional Association of the International Association for Landscape Ecology national meeting. April 12 – 16, 2009. Snowbird, UT.
- White, E.M. and D.J. Stynes. (2008). Estimating national forest visitor spending averages. Oral presentation (White), Western Forest Economists Meeting. May 5 – 7, 2008. Welches, OR.
- White, E.M. (2007). Land use projections in the context of salmon recovery planning. Oral presentation, Western Forest Economists Meeting. May 7 – 9, 2007. Welches, OR.
- White, E.M., R.J. Alig, and S.M. Stein. (2007). National forests on the edge: Examining residential development in forested landscapes. Oral presentation (White), United States Regional Association of the International Association for Landscape Ecology national meeting. April 9 – 13, 2007. Tucson, AZ.
- White, E.M. (2006). Forests on the Edge: The case of northwest Washington. Oral presentation, Western Forest Economists Meeting. May 1 – 3, 2006. Welches, OR.
- Alig, R.J. and E.M. White. (2005). Rural land use in the Pacific Northwest: Implications of population increases and other socio-economic changes. Oral presentation (Alig), Sustainable Wood Products Initiative Conference. Vancouver, WA.
- White, E.M., D.J. Stynes, and L.A. Leefers. (2004). Spending by recreation visitors to USDA National Forests. Oral presentation (White), Joint Meeting of Midwest Forest Economists and Midwest Forest Mensurationists. October 18 – 19, 2004. Grand Rapids, MI.
- White, E.M. and L.A. Leefers. (2003). Natural resource amenity influence on property values in Wexford County, Michigan. Oral presentation (White), Joint Meeting of Midwest Forest Economists and Midwest Forest Mensurationists. October 21 – 22, 2003. Madison, WI.

- White, E.M., A.T. Morzillo, L.A. Leefers, J. Liu. (2003). Design and application of a fire occurrence model for the wildland urban interface. Oral presentation (White), United States Regional Association of the International Association for Landscape Ecology national meeting. April 2 – 6, 2003. Banff, Alberta.
- Leefers, L.A. and E.M. White. (2003). Hedonic price theory and application: Effects of natural resource amenities on property values in Michigan. Oral presentation (Leefers/White), Forestry Seminar Series, Department of Forestry, Michigan State University. April 15, 2003. East Lansing, MI.
- White, E.M. and A.D. Carver. (2002). Diversifying farm income through woodlot management: Characteristics of farmer-owned NIPF land in Illinois. Oral presentation (White), Central Hardwood Forest Conference. April 1 – 3, 2002. Urbana, IL.
- White, E.M. and A.D. Carver. (2001). The effects of timber mill location, production, and procurement influence on sawlog exportation from Illinois. Oral presentation (White), Midwest Forest Economics Workshop. August 13-14, 2001. Grand Rapids, MI.
- White, E.M., A.D. Carver, and J.E. Phelps. (2000). Where have all the logs gone: A spatial analysis of timber exportation in southern Illinois. Oral presentation (White), Southern Forest Economics Workers Conference. March 26-28. Lexington, KY.

Invited presentations:

- White, E.M. and J.M. Bowker (2011). Outdoor recreation in a changing climate. Presentation and special session (White) at “Classrooms for Climate: A Symposium on the Changing Chugach, Northern Ecosystems, and Implications for Science and Society.” May 4 – 7. Anchorage, AK.
- Bowker, J.M., E.M. White, A. Askew, N. Poudyal, and A. Dorison. (2011). Climate change and natural resource-based outdoor recreation: some preliminary projections for the coterminous US. Presentation and special session (White) at “Classrooms for Climate: A Symposium on the Changing Chugach, Northern Ecosystems, and Implications for Science and Society.” May 4 – 7. Anchorage, AK.
- White, E.M. (2010). Integrity and agriculture landowner behavior in afforestation for carbon sequestration. Workshop for the “Economics of Markets for Agricultural Greenhouse Gases” Research Program, Economic Research Service. November 1. Washington D.C.
- White, E.M. (2010). Recreation patterns and characteristics for the federal lands in the Southern Nevada Agency Partnership. Presentation and workshop for the executive board of the Southern Nevada Agency Partnership. August 20. Las Vegas, NV.
- White, E.M. (2010). Recreation patterns and characteristics for the federal lands in the Southern Nevada Agency Partnership. Workshop for Southern Nevada Agency Partnership staff. August 19. Las Vegas, NV.

- White, E.M. (2009). From landowners to landscapes: policy research for programs, goods, and changing resource conditions. Departmental seminar. Department of Forestry, University of Kentucky. March 11. Lexington, KY.
- White, E.M. (2008). Technical review of the Washington forest land database. Panel discussion at the Northwest environmental forum: retaining working forest land and protecting biodiversity. October 29 – 31, 2008. Blaine, WA
- White, E.M. (2007). Land use change research in the Pacific Northwest. Presentation to visiting African forestry delegation. August 22, 2007. Portland, OR.
- White, E.M. (2007). Land use change research in western Washington. Presentation at the Global Change workshop for the Washington State federal congressional delegation. July 31, 2007. Olympia, WA.
- White, E.M. (2006). National Visitor Use Monitoring visitor spending profiles. Presentation at the USDA FS Planning Analysis Group Recreation Economics Workshop. February 14 – 16, 2006. Ft. Collins, CO.

FUNDING SUPPORT RECEIVED:

- Utilities and corporations as ecosystem service buyers: Innovative opportunities for small and medium-sized farms and rural communities (2011-2013) (Co-PI) (\$75,330 of \$498,496)
- Integrity and agriculture landowner behavior in afforestation for carbon sequestration as a part of a carbon pricing program. (2010-2012) (PI) \$138,668
- Dispersed recreation monitoring and economic analysis. (2010-2012) (PI) \$66,560
- Review and development of recommendations for the USDA National Visitor Use Monitoring Program (2007/2008) (PI) \$19,000
- Update of the national forest recreation visitor spending analysis (PI) (2007/2008) \$20,325
- Recommendations for revised recreation visitor sampling protocols in Alaska national forests (2006/2007) (PI) \$83,000
- Incorporation of spending analysis results in a decision-support tool (2005/2006) (PI) \$8,000
- Development of approaches for estimating recreation use at sub-national forest levels (2005) (PI) \$10,000

AWARDS:

- Certificate of Appreciation (*signed by the Deputy Chief for State and Private Forestry of the USDA Forest Service*) “for your excellent work in producing several publications in support of the Forests on the Edge project.” (2010)
- National Science Foundation and International Network of Research on Coupled Human and Natural Systems (CHANS–Net) Fellowship. (2010)
- Certificate of Merit (from USDA Forest Service), “for consistently providing timely, extra, high quality assistance and dedication.” (2010)

- Certificate of Merit (from USDA Forest Service), “For extra effort in producing the Goods, Services, and Values Charter.” (2009)
- Secretary of Agriculture 2008 Honor Award, presented to the Forests on the Edge research team.
- Certificate of Appreciation (signed by the Chief of the USDA Forest Service), “In recognition of your dedication to quality control and excellent analysis in the preparation of the National Forests on the Edge study and report.” (2008)
- Certificate of Merit (from USDA Forest Service), “In recognition of sustained effort during FY07 through supporting team research, collaboration involving Forests on the Edge, dissemination of research information, and fostering collaboration important for future research by the Land Use and Land Cover Dynamics team.” (2007)
- Certificate of Merit (from USDA Forest Service), “In recognition of extra sustained effort during FY06 in support of team research and dissemination of research information, as well as fostering collaborative relationships important for future research by the Land Use and Land Cover Dynamics team.” (2006)
- Certificate of Merit (from USDA Forest Service), “In recognition of extra effort during FY06 in helping to sustain and enhance collaborative relationships with clients and research partners for the Land Use and Land Cover Dynamics team.” (2006)
- Best in Show, Michigan State University Land Use Poster Forum. (2004)
- Best Graduate Student Presentation, Joint meeting of the Midwest Forest Economists and Midwest Forest Mensurationists. (2004)
- NASA-Michigan State University Professional Enhancement Award. (2003)
- Michigan State University Graduate School Travel Award. (2002)

TEACHING ACTIVITY:

FORESTRY 330, FOREST ECONOMICS I

Department of Forest Engineering, Resources, and Management Fall 2010
 Oregon State University
 Co-instructor

- Identify course topics and readings, prepare course materials and lectures
- Present lectures on interest rates and time value of money, ecosystem services and markets, valuing unpriced goods, international wood product markets, and environmental damage and risk.
- Develop and lead laboratory exercises for lecture material.

FORESTRY 432/532, ECONOMICS OF RECREATION RESOURCES

Department of Forest Ecosystems and Society Winter 2008, 2009, 2010
 Oregon State University
 Guest Lecturer

- Prepared materials and lecture outline
- Presented lecture on approaches to monitoring outdoor recreation visitation with particular emphasis on the USDA Forest Service recreation monitoring program

FORESTRY 459, Forest Resource Planning and Decision-making
Department of Forest Engineering, Resources, and Management Spring 2009
Oregon State University
Guest Lecturer

- Prepared materials and lecture outline
- Presented lecture and example applications on mathematical, statistical, and simulation approaches to modeling recreation use

FORESTRY 251, RECREATION RESOURCE MANAGEMENT
Department of Forest Ecosystems and Society Fall 2008
Oregon State University
Guest Lecturer

- Prepared materials and lecture outline
- Presented lecture on National Park Service and USDA Forest Service visitor surveying programs with emphasis on satisfaction monitoring and estimation of visitor spending averages

FORESTRY 411, FOREST RESOURCES ECONOMICS
Department of Forestry, Southern Illinois University Carbondale Fall 2007
Guest Lecturer

- Prepared materials and lecture outline
- Presented lecture on land use change and the impacts on the U.S. forest sector

FORESTRY 466, NATURAL RESOURCES PLANNING AND POLICY
Department of Forestry, Michigan State University Spring 2004
Guest Lecturer

- Developed and presented lecture on economic impact analysis with emphasis on the role of economic impact analysis in USDA FS planning activities
- Developed and presented laboratory exercise involving U.S. land disposal policy, impacts of exogenous factors on land values, government acquisition, and land markets

FORESTRY 409, NATURAL RESOURCE DECISION MAKING
Department of Forestry, Southern Illinois University Carbondale Spring 2000
Guest Lecturer

- Prepared materials and lecture outline
- Presented lecture and led discussion on timber mill strategy as related to procurement and timber resource location

PROFESSIONAL AFFILIATIONS:

- Society of American Foresters
- United States Regional Association of the International Association for Landscape Ecology
- Xi Sigma Pi National Forestry Honor Society

PROFESSIONAL SERVICE:

Reviewer for:

Journal of Forestry
Environmental Management
Frontiers in Ecology and the Environment
Landscape and Urban Planning
Land Use Policy
Society and Natural Resources
Leisure Sciences (Guest Associate Editor)
Journal of Park and Recreation Administration
Tourism Economics
Journal of Leisure Research
Agricultural Systems