

David J. Lewis
Assistant Professor

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Education:

Ph.D. Oregon State University (2005). Major: Agricultural & Resource Economics; Specialty: Environmental & Natural Resource Economics. Dissertation: Managing the Spatial Configuration of Land - The Economics of Land Use and Habitat Fragmentation.

M.S. University of Maine (2001). Major: Resource Economics & Policy; Specialty: Environmental & Natural Resource Economics. Thesis: Public Conservation Land and Economic Growth in the Northern Forest Region.

B.S. University of Colorado (1997). Major: Applied Mathematics; Minor: Economics

Research Interests:

My research is focused on environmental and resource economics, land economics, spatial modeling, biodiversity conservation, microeconomic and GIS applications, and regional development. I'm particularly interested in the effects of environmental policies on private landscapes and ecosystem services. Specific examples of my projects include the following: The economics of reducing wildlife habitat fragmentation (brief description). Residential development on amenity-rich landscapes (brief description). Agricultural spatial externalities, development, and the environment (brief description). Incentive-based policies for biodiversity and ecosystem services (brief description). Amenities and rural development (brief description).

Publications:

Lewis, D.J., Plantinga, A.J., Nelson, E., and S. Polasky. 2008. "The Efficiency of Voluntary Incentive Policies for Preventing Biodiversity Loss." Working Paper. PDF Version.

Lewis, D.J. and B. Provencher. 2007. "The Implications of Heterogeneous Preferences for Environmental Zoning." Working Paper. PDF Version.

Refereed Academic Journal Articles

Lewis, D.J. 2009. "An Economic Framework for Forecasting Land Use and Ecosystem Change." *Resource and Energy Economics* (Forthcoming). See AAE Staff Paper No. 532.

Lewis, D.J., Plantinga, A.J. and J. Wu. 2009. "Targeting Incentives to Reduce Habitat Fragmentation." *American Journal of Agricultural Economics* (Forthcoming). See AAE Staff Paper No. 531.

Horsch, E.J., and D.J. Lewis. 2009. "The Effects of Aquatic Invasive Species on Property Values: Evidence from a Quasi Experiment." *Land Economics*, 85(3): 391-409. See AAE Staff Paper No. 530.

Lewis, D.J., Provencher, B., and V. Butsic. 2009. "The Dynamic Effects of Open-Space Conservation Policies on Residential Development Density." *Journal of Environmental Economics and Management*, 57(3): 239-252. See AAE Staff Paper No. 522.

Lewis, D.J., Barham, B.L., and K. Zimmerer. 2008. "Spatial Externalities in Agriculture: Empirical Analysis, Statistical Identification, and Policy Implications." *World Development*, 36(10): 1813-1829. See AAE Staff Paper No 519.

Nelson, E., Polasky, S., Lewis, D.J., Plantinga, A.J., Lonsdorf, E., White, D., Bael, D., and J. Lawler. 2008. "Efficiency of Incentives to Jointly Increase Carbon Sequestration and Species Conservation on a Landscape." *Proceedings of the National Academy of Sciences* 105(28): 9471-9476.

Lewis, D.J., and A.J. Plantinga. 2007. "Policies for Habitat Fragmentation: Combining Econometrics with GIS-Based Landscape Simulations." *Land Economics*, 83(2): 109-127..

Alig, R.J., D.J. Lewis, and J.J. Swenson. 2005. "Is Forest Fragmentation Driven by the Spatial Configuration of Land Quality? The Case of Western Oregon." *Forest Ecology and Management*, 217: 266-274.

Lewis, D.J., G.L. Hunt and A.J. Plantinga. 2003. "Does Public Lands Policy Affect Local Wage Growth?" *Growth and Change*, 34(1): 64-86..

Lewis, D.J., G.L. Hunt and A.J. Plantinga. 2002. "Public Conservation Land and Employment Growth in the Northern Forest Region." *Land Economics*, 78(2): 245-259.

Miscellaneous Papers

Plantinga, A.J., Alig, R.J., Eichman, H., and D.J. Lewis. 2007. "Linking Land-Use Projections and Forest Fragmentation Analysis." Res. Pap. PNW-RP-570. Portland, OR: U.S. Department of Agriculture, Forest Service, Pacific Northwest Station, 41p.

Lewis, D.J., and A.J. Plantinga. 2004. "Research Methods to Address the Economics of Forest Habitat Fragmentation." U.S. Forest Service General Technical Report, PNW-GTR-626..

Rashford, B.S., D.J. Lewis, R.M. Evonuk, and B.A. Weber. 2003. "Economic Interrelationships in a Small Farming Area: Towards an Estimate of the Threshold of Agricultural Production for Sustainable Farming." Working Paper #03-101, January 2003, Department of Agricultural and Resource Economics, Oregon State University.

Lewis, D.J. 2001. "Easements and Conservation Policy in the North Maine Woods." Maine Policy Review. 10(1), 24-36.

Lewis, D.J. and A.J. Plantinga. 2001. "Public Conservation Land and Economic Growth in the Northern Forest Region." Maine Agricultural & Forest Experiment Station Misc. Pub. #748..

Personal:

I enjoy fly fishing and tying, hiking and backpacking, canoeing, golf, skiing.