

Kathleen P. Bell

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PROFESSIONAL EXPERIENCE

Associate Professor, School of Economics, University of Maine, Orono, ME, 2007-Present.

Assistant Professor, Department of Resource Economics and Policy, University of Maine, Orono, ME, 2001-2007.

Postdoctoral Research Associate, School of Marine Affairs, University of Washington, Seattle, WA, 1999-2001.

Economist, National Center for Environmental Economics, US Environmental Protection Agency, Washington, DC, 1997-1999.

Research Assistant, Department of Agricultural and Resource Economics, University of Maryland, College Park, MD, 1992-1997.

Research Assistant, Abt Associates Inc., Cambridge, MA and Bethesda, MD, 1990-1992.

EDUCATION

Ph.D. Economics, University of Maryland, College Park, 1997.

A.B. Economics and Environmental Studies, *cum laude*, Bowdoin College, 1990.

AWARDS

Instructional Development Award. 2004. Spatial Perspectives on Analysis for Curriculum Enhancement, Center for Spatially Integrated Social Sciences, University of California-Santa Barbara.

Northeastern Agricultural and Resource Economics Association 2003 Journal Article of the Year. E.G. Irwin, K.P. Bell, and J. Geoghegan. 2003. Modeling and Managing Urban Growth at the Rural-Urban Fringe: Evidence from a Model of Residential Land Use Change, *Agricultural and Resource Economics Review* 32(1):83-102.

James Bowdoin Scholar, Bowdoin College (1986-1990).

JOURNAL ARTICLES

Freeman, R.C. and K.P. Bell. 2011. Conservation versus cluster subdivisions and implications for habitat connectivity, *Landscape and urban planning* (forthcoming).

Moore, C.C., Holmes, T.P., and K.P. Bell. 2011. An Attribute-Based Approach to Contingent Valuation of Forest Protection Programs, *Journal of Forest Economics* (forthcoming).

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Holmes, T., Murphy, E., Bell, K.P., and D. Royle. 2010. Property Value Impacts of Hemlock Woolly Adelgid in Residential Forests, *Forest Science* 56(6): 529-540.

K.J.Boyle, Kuminoff, N.V., Zhang, C. and K.P.Bell. 2010. Does a Property-Specific Environmental Health Risk Create a "Neighborhood" Housing-Price Stigma? Arsenic in Private Well Water. *Water Resources Research* 1-10.

Irwin, E.G., Bell, K.P., Bockstael, N.E., Newburn, D.A., Partidge, M.D., and J. Wu. 2009. The Economics of Urban-Rural Space, *Annual Review of Resource Economics* (1): 435-462.

Devine, J., Gabe, T., and K. P. Bell. 2009. Community Scale and Resident Attitudes towards Tourism, *Journal of Regional Analysis and Policy* 39(1): 11-22.

Neumann, B., Boyle, K.J., and K.P. Bell. 2009. Property Price Effects of a National Wildlife Refuge: Great Meadows National Wildlife Refuge in Massachusetts, *Land Use Policy* 26(4): 1011-1019.

Bell, K.P. 2008. Houses in the Woods: Lessons from the Plum Creek Concept Plan, *Maine Policy Review* 16(2):44-55.

Gabe, T., Colby, K. and K.P. Bell. 2008. Creative Occupations, Earnings and the U.S. Rural-Urban Wage Gap, *Canadian Journal of Regional Science* 30(3): 393-412.

Bell, K.P. and T. Dalton. 2007. Spatial Economic Analysis in Data-Rich Environments, *Journal of Agricultural Economics* 58(3): 487-501.

K.P. Bell. 2007. Preserving Rural Land, *Review of Agricultural Economics* 29(3): 518-519.

Gabe, T.M., Colby,K., and K.P. Bell. 2007. The Effects of Workforce Creativity on Earnings in U.S. Counties, *Agricultural and Resource Economics Review* 36(1): 71-83.

T. Holmes, Murphy, E. and K.P. Bell. 2006. Exotic Forest Insects and Residential Property Values, *Agricultural and Resource Economics Review* 35(1): 155-166.

Gabe, T.M. and K.P. Bell. 2004. Tradeoffs Between Local Taxes and Government Spending as Determinants of Business Location, *Journal of Regional Science* 44(1): 21-41.

Huppert, D.D., Johnson, R.L., Leahy, J., and K.P. Bell. 2003. Interactions between Human Communities and Estuaries in the Pacific Northwest: Trends and Implications for Management, *Estuaries* 26(4B): 994-1009.

Leschine, T.M., Ferriss, B.E., Bell, K.P., .Bartz, K., MacWilliams, S., Pico, M., and A. Bennett. 2003. Challenges and Strategies for Better Use of Scientific Information in the Management of Coastal Estuaries, *Estuaries* 26(4B): 1189-1204.

Bell, K.P. and I.Strand. 2003. Reconciling Models of Recreational Route and Site Choice, *Land Economics*, 79(3): 440-454.

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Irwin, E.G., Bell, K.P. and J. Geoghegan. 2003. Modeling and Managing Urban Growth at the Rural-Urban Fringe: Evidence from a Model of Residential Land Use Change, *Agricultural and Resource Economics Review* 32(1): 83-102.

Bell, K.P., Huppert, D., and R. Johnson. 2003. Willingness to Pay for Coho Salmon Enhancement in Coastal Communities, *Marine Resource Economics* 18(1): 15-31.

Bell, K.P. and E.G. Irwin. 2002. Spatially explicit micro-level modelling of land use change at the rural–urban interface, *Agricultural Economics* 27: 217-232.

Bell, K.P. and N.E. Bockstael. 2000. Applying the Generalized Method of Moments Approach to Spatial Problems Involving Micro-Level Data, *Review of Economic and Statistics* 82(1): 72-82.

Bockstael, N.E., R. Costanza, I. Strand, W. Boynton, and K.P. Bell. 1995. Ecological Economic Modeling and Valuation of Ecosystems, *Ecological Economics* 14(2): 143-159.

EDITED PUBLICATIONS

Bell, K.P., Rubin, J., and K. Boyle (eds.). 2006. *Economics of Rural Land-Use Change*, Hampshire, England: Ashgate Publishing, pp. 1-272.

BOOK CHAPTERS (all book chapters are peer-reviewed)

Bell, K.P. 2010. Public Preferences for Protecting Working Landscapes, in S. Goetz and F. Brouwer (eds.), *New perspectives on agri-environmental policies: a multidisciplinary and transatlantic approach*, Routledge Publishing, 199-218 .

Holmes, T., Bell, K.P., Byrne, B., and J. Wilson. 2008. Economic Aspects of the Management of Invasive Forest Pests, in T. Holmes, J. Prestemon, and K. Abt (eds.), *The Economics of Forest Disturbances: Wildfires, Storms and Invasive Species*, New York, NY: Springer Publishing, pp. 381-406.

Baldwin, R., Anderson, E., and K.P. Bell. 2007. The Application of Spatial Modeling Tools to Conservation Planning for Pool-Breeding Amphibians, in A. Calhoun and P. deMaynadier (eds.), *Science and Conservation of Vernal Pools in Northeastern North America*, New York, NY: CRC Press, pp. 281-298.

Irwin, E., Bell, K.P., and J. Geoghegan. 2006. Forecasting Residential Land Use Change, in R. Johnston and S. Swallow (eds.), *Economics and Contemporary Land Use Policy*, Washington, DC: Resources for the Future, pp. 55-82.

Bell, K.P., Boyle, K.J., Plantinga, A., and J. Rubin. 2006. Objectives and Perspectives in K.P. Bell, J. Rubin, and K. Boyle (eds.), *Economics of Rural Land-Use Change*, Hampshire, England: Ashgate Publishing, pp. 3-10.

Irwin, E. and K.P. Bell. 2006. Estimating a Spatially Explicit Model of Residential Land–Use Change to Understand and Predict Patterns of Urban Growth at the Rural—Urban Fringe in K.P. Bell,

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Boyle, K., Bell, K.P. and J. Rubin. 2006. Valuation and Land-Use Change in K.P. Bell, J. Rubin, and K. Boyle (eds.), *Economics of Rural Land-Use Change*, Hampshire, England: Ashgate Publishing, pp. 215-234.

Bell, K.P., Boyle, K.J., and J. Rubin. 2006. Summary and Conclusions in K.P. Bell, J. Rubin, and K. Boyle (eds.), *Economics of Rural Land-Use Change*, Hampshire, England: Ashgate Publishing, pp. 265-269.

Bell, K.P. 2005. Spatial Analysis and Applied Land Use Research, in S. Goetz, J. Shortle, and J. Bergstrom (eds.), *Land Use Problems and Conflicts: Causes, Consequences, and Solutions*, Taylor and Francis, New York, NY, pp. 151-164.

Bell, K.P. and N.A. Slade. 2004. Conceptual Parallels in Spatial Modeling of Economics and Ecology, in Swihart, R. K., and J. E. Moore (eds.), *Conserving Biodiversity in Agricultural Landscapes: Model-based Planning Tools*. Purdue University Press, W. Lafayette, IN, pp. 25-34.

Bell, K.P., Broussard, S., and W. Gu. 2004. Human Drivers of Land Use Change: A Review of Spatial Models Incorporating Socio-economic Influences, in Swihart, R. K., and J. E. Moore (eds.), *Conserving Biodiversity in Agricultural Landscapes: Model-based Planning Tools*, Purdue University Press, W. Lafayette, IN, pp. 35-48.

Broussard, S., Bell, K.P., and W.L. Hoover. 2004. Modeling Land Use Change: Social and Economic Data Considerations, in Swihart, R. K., and J. E. Moore (eds.), *Conserving Biodiversity in Agricultural Landscapes: Model-based Planning Tools*, Purdue University Press, W. Lafayette, IN, pp. 153-164..

Bockstael, N.E. and K.P. Bell. 1998. Land-Use Patterns and Water Quality: the Effect of Differential Land Management Controls, in R. Just and S. Netanyahu, editors, *Conflict and Cooperation on Trans-Boundary Water Resources*, Boston, MA: Kluwer Academic Publishers, pp. 169-192..

Bockstael, N.E., J. Geoghegan, Bell, K.P. and E.G. Irwin. 1996. An Ecological Economics Model of the Patuxent Watershed: The Use of GIS and Spatial Econometrics in Prediction, in *Geographic Information Systems in Environmental Resources Management*. Proceedings of a Specialty Conference Sponsored by the Air & Waste Management Association, Reno, Nevada, March, 1996.

BOOK REVIEWS

Bell, K.P. 2010. Introduction to Spatial Econometrics by James LeSage and R. Kelly Pace. *Journal of Regional Science* 50(5): 1014-1015.

WORKING PAPERS

Bell, K.P. Leahy, J.E, and R.S. Seymour. 2011. Recounting the Vote: Learning from Maine's Forest Conservation Voting Behavior (in review).

Freeman, R.C., Bell, K.P., Calhoun, A.J.K., and C.S. Loftin. 2011. Incorporating economic models into vernal pool conservation planning: using local land use regulations to enhance state regulations (in review).

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Bell, K.P., Levesque, V., Colby-George, J., and C. Colgan. 2011. Measure for measure: What are the linkages between open spaces, private lands, and property values? (in progress).

CONFERENCE PRESENTATIONS AND PAPERS

Bell, K.P. 2010. Do transdisciplinary fields require transdisciplinary teaching? Global Land Project 2010 Open Science Meeting, Arizona State University, Tempe, AZ, October 19, 2010.

Bell, K.P. 2010. Understanding the market for land-change information: challenges in and opportunities for reconciling supply and demand. Global Land Project 2010 Open Science Meeting, Arizona State University, Tempe, AZ, October 18, 2010.

Snell, M., Bell, K.P., and J. Leahy. 2010. Local Institutions and Natural Resource Management. 2010 Annual Meeting of the Agricultural and Applied Economics Association, Denver, CO, July 26, 2010.

Kary, D. and Bell, K.P. 2010. Seasonal versus Primary Home Development Patterns in Maine: A Sustainable Lake Management Perspective. Maine Lakes Conference and COLA Annual Meeting, Waterville, ME, June 26, 2010 (poster).

Plowden, J. and Bell, K.P. 2010. Informing watershed management by understanding demographic and development patterns. Maine Lakes Conference and COLA Annual Meeting, Waterville, ME, June 26, 2010 (poster).

Speers, A. and Bell, K.P. 2010. Knowledge to Action and Lakefront Households. 2010 Annual Maine Lakes Conference and COLA Annual Meeting, Waterville, ME, June 26, 2010 (poster).

Hart, D., Bell, K.P., Hutchins, K., Jain, S., McGreavy, B., and L. Silka. 2010. Technology and Sustainability. Annual Convention of Media Ecology Association, Orono, ME, June 11, 2010.

Speers, A.E. and K.P. Bell. 2010. Empirically predicting Invasive Watermilfoil Presence in Maine Lakes. Annual Maine Water Conference, Augusta, ME, March 17, 2010 (poster).

Bell, K.P. and S. Jain. 2009. Maine Sustainability Solutions Initiative and Coupled Systems Modeling. Maine EPSCoR Conference, September 21, 2009.

Bell, K.P. and J. Kline. 2009. Assessing patterns in the conversion of rural lands to residential use. AAEA & ACCI 2009 Joint Annual Meeting, Milwaukee, WI, July 27, 2009.

Bell, K.P. and J. Leahy. 2009. Extending the Frontiers of Citizen Science: New Applications to Lake Development, Recreation & Associations. Maine Volunteer Lake Monitoring Program's 2009 Lake Monitoring Conference, Turner, ME, July 11, 2009 (keynote address).

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Bell, K., Colgan, C., Jain, S., Lindenfeld, L., Lilieholm, R., Leahy, J., Porter, T., and L. Silka. 2009. Integrating Communication Studies into Issue-Driven Interdisciplinary Research: Maine's Sustainability Solutions Initiative as a Model. Conference on Communication and the Environment, University of Southern Maine, Portland, ME, June 28, 2009.

Snell, M.A., Bell, K.P., Leahy, J. 2009. Presence and Success of Maine's Lake Associations. Maine Lakes Conference, Standish, ME, June 20, 2009.

Tylka, M.L., Vaux, P., and K.P. Bell. 2009. Trends in Water Clarity of Maine's Great Ponds. Graduate Research Expo, University of Maine, Orono, ME, April 14, 2009.

Freeman, R. and K.P. Bell. 2009. Economic Modeling of the Impacts of Land-use Patterns on Ecological Services. Graduate Research Expo, University of Maine, Orono, ME, April 14, 2009 (poster).

Snell, M.A., Bell, K.P., and J. Leahy. 2009. Factors Influencing the Distribution of Lake Associations in Maine. Graduate Research Expo, University of Maine, Orono, ME, April 14, 2009 (poster).

Tylka, M., Vaux, P., and K.P. Bell. 2009. Changes in Urban Land Cover and Trends in Water Clarity in Maine's Great Ponds. 15th Annual Maine Water Conference, Portland, ME, March 24, 2009.

Snell, M.A., Bell, K.P., and J. Leahy. 2009. Factors Influencing the Distribution of Lake Associations in Maine. 15th Annual Maine Water Conference, Portland, ME, March 24, 2009. (poster)

Bell, K.P. 2009. Communicating Risks of Arsenic. W2133 Annual Meeting, Austin, TX, February 15, 2009.

Snell, M.A., Paluga, C., Bell, K.P., Leahy, J. 2009. Applying the Water Recreation Opportunity Spectrum (WROS) to Maine's Lakes. North American Lake Management Society Symposium, Lake Louise, Alberta, November 11-14, 2008. (poster)

Snell, M.A., Paluga, C., Bell, K.P., Leahy, J. 2009. Applying the Water Recreation Opportunity Spectrum (WROS) to Maine's Lakes. Eastern Canada - USA Forest Science Conference, October 17-18, 2008, Orono, ME. (poster)

Paluga, C., Snell, M.A., Bell, K.P., Leahy, J. 2009. Lake Development and Recreation Use of Maine's Lakes. Eastern Canada - USA Forest Science Conference, October 17-18, 2008, Orono, ME. (poster)

Bell, K.P. 2008. Modeling urban-rural interactions in agricultural and forested landscapes. Northeastern Agricultural and Resource Economics Association Annual Meeting, Quebec City, Quebec, Canada, June 30, 2008.

Freeman, R. and K.P. Bell. 2008. Modeling residential growth at the parcel- and pixel-level. Northeastern Agricultural and Resource Economics Association Annual Meeting, Quebec City, Quebec, Canada, June 30, 2008.

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Bell, K.P. and M. Teisl. 2007. Private well water and human behavior: decisions, decisions, decisions. 2007 New England Private Well Water Symposium, December 3-4, Newport, Rhode Island.

Bell, K.P. 2007. Remarks on U.S. Land Use Data Collection (concluding panel). New Developments in U.S. Land-Use Data Collection and Analysis: Implications for Agriculture and Rural Land. USDA ERS and Farm Foundation Workshop, October 17, 2007, Washington, DC.

Tylka, M., Bell, K.P., and K. Webster. 2007. Lake Water Quality in Maine's Changing Landscape, Transatlantic Land Use Conference, September 25, 2007, Washington, DC.

Bell, K.P. 2007. Public Preferences for Protecting Working Landscapes, Transatlantic Land Use Conference, September 26, 2007, Washington, DC.

Freeman, R., and K. P. Bell. 2007. A Multi-disciplinary Approach to Modeling the Impacts of Land Use Change on Vernal Pool-breeding Amphibians, Transatlantic Land Use Conference, September 25, 2007, Washington, DC.

Bell, K.P. 2007. Public Preferences for Natural Resources: Evidence from Maine Ballot Initiatives, Annual Meeting of the American Agricultural Economics Association, July 30, 2007, Portland, Oregon.

Bell, K.P., Lewis, D. and B. Provencer. 2007. Dynamic Interactions Between Residential Development and Natural Amenities: Reflections on Experiences in Lake-Rich Landscapes, Annual Meeting of the American Agricultural Economics Association, July 31, 2007, Portland, Oregon.

Bell, K.P. 2007. Houses in the Fields and Forests: A Spatial Economic Analysis of Residential Development Trends in Maine. Northeastern Agricultural and Resource Economics Association Annual Meeting, Rehoboth Beach, DE, June 11.

Bell, K.P. and K. Webster. 2007. Assessing Interactions Among Lakeshore Development Patterns and Water Quality, Emerging Issues Along Urban/Rural Interfaces II Conference, Atlanta, GA, April 10.

Lilieholm, R., Hart, D., and K.P. Bell. 2007. Land Use Change in the Penobscot Watershed, Emerging Issues Along Urban/Rural Interfaces II Conference, Atlanta, GA, April 10.

Bell, K.P. 2007. Preserving Rural Land, Annual Meeting of the American Economics Association, Chicago, IL, January 6.

Bell, K.P. 2006. Open Space and Working Forests: Research Findings and Observations Regarding Maine and Other Northeastern States, Keeping Working Forests: the Role of Forests in Preserving Open Space Workshop, Bend, Oregon, November 28, 2006. Sponsored by the USDA Forest Service Pacific Northwest Research Station and the Western Forestry and Conservation Association.

Bell, K.P. and M. Tylka. 2006. The Economic Value of Riparian Buffers, The Function and Values of Vegetated Buffers Conference, Augusta, Maine, November 9. Sponsored

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by the Maine Nonpoint Source Training and Resource Center and the Maine Department of Environmental Protection.

Gabe, T., Colby, K., and K.P. Bell. 2006. Creative Occupations and Earnings in U.S. Counties. Presented at the North American Annual Meetings of the Regional Science Association International, November 2006.

Hudnor, A., Gabe, T. and K.P. Bell. 2006. Do Conservation and Tourism Reinforce Each Other? Research from Northern New England and Beyond. Presented at the 2006 National Tourism Extension Conference, September 2006.

Bell, K.P. and T.J. Dalton. 2006. Spatial Economic Analysis in Data-Rich Environments, International Association of Agricultural Economists, 2006 Meeting, Queensland, Australia, August 14.

Walker, J. and K.P. Bell. 2006. The Importance of Environmental Amenities to Residential Location Decisions in Rural Coastal Communities, Northeastern Agricultural and Resource Economics Association Annual Meeting, Mystic, Connecticut, June 12.

Devine, J. and K.P. Bell. 2006. Rural Resident and Business Attitudes Towards Tourism, Northeastern Agricultural and Resource Economics Association Annual Meeting, Mystic, Connecticut, June 12.

Bell, K.P. 2006. Invasive Forest Pests and Public Land Management: Seeing (and Managing) the Forest and its Trees, International Symposium on Society and Resource Management, Vancouver, BC, Canada, June 6.

Bell, K.P. 2006. Economic Valuation of Arsenic. U.S. EPA NCER/NCEE Workshop Morbidity and Mortality: How Do We Value the Risk of Illness and Death? April 10-12, Washington, DC.

Devine, J., Bell, K.P., and T. Gabe. 2006. Rural Resident Attitudes Towards Tourism, Annual Meeting of the Southern Regional Science Association, St. Augustine, FL, April 1.

Clover, R. and K.P. Bell. 2005. Moose Vehicle Collisions in Maine, Annual Meeting of the Wildlife Society, Madison, Wisconsin, September 2005.

Walker, J. and K.P. Bell. 2005. Length of Residency in Rural Areas and Preferences for Community Attributes, Camp Resources XIII, Wilmington, Delaware, August 11-12. Hosted by V.K. Smith, North Carolina State, Department of Agricultural and Resource Economics.

Bell, K.P., Boyle, K.J., Devaney, M. and S. Huang. 2005. Behavioral Responses to Arsenic in Drinking Water, 2005 American Agricultural Economics Association Annual Meeting Providence, Rhode Island, July 25.

Holmes, T., Murphy, E. and K.P. Bell. 2005. Exotic Forest Insects, Neighborhood Externalities, and Residential Landscape Values, 2005 Northeastern Agricultural and Resource Economics Association Workshop on Invasive Species, Annapolis, MD, June 14-15, 2005.

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Huang, S. and K.P. Bell. 2005. Communicating the Risk of Exposure to Arsenic in Drinking Water Poster Presentation, 11th Annual Maine Water Conference, Augusta, Maine, March 22.

Bell, K.P. and R. Clover. 2004. A Spatial Analysis of Moose Vehicle Collisions in Maine, CU Environmental and Resource Economics Workshop, October 22-23, Lion Square Lodge, Vail, Colorado. Hosted by Nicholas Flores, University of Colorado Boulder, Department of Economics.

Clover, R. and K.P. Bell. 2004. A Spatial Analysis of Wildlife-Vehicle Collisions in Maine, Eastern CANUSA Forest Science Conference, October 15-16, Hugh John Flemming Centre Fredericton, New Brunswick.

Bell, K.P. and S. Huang. 2004. Testing, Testing, Testing: Analyzing the Role of Risk Communication in Limiting Exposure to Arsenic in Maine, Camp Resources XII, Wilmington, Delaware, August 16-17. Hosted by V.K. Smith, North Carolina State, Department of Agricultural and Resource Economics.

Byrne, B. and K.P. Bell. 2004. An Averting Behavior Model of Household Responses to the Hemlock Woolly Adelgid, 2004 Northeastern Agricultural and Resource Economics Association Annual Meeting, Halifax, Nova Scotia, June 20-23.

Bell, K.P., Teisl, M. and K. O'Brien. 2004. Preferences Across Borders: A Spatial Analysis of Willingness to Pay for Environmentally Labeled Forest Products, Forestry Across Borders, 2004 Annual Meeting of the New England Society of American Foresters, Quebec City, Quebec, March 23-26.

Bell, K.P. and M. McMahon. 2003. A Spatial Analysis of the Location Decisions of Maine Households, 2003 Association of Environmental and Resource Economists Workshop, Spatial Theory, Modeling, and Econometrics in Environmental and Resource Economics, Madison, WI, June 15-17.

Bell, K.P. and E.G. Irwin. 2002. Public Preferences for Open Space: Evidence from Land Preservation Ballot Initiatives, 2002 American Agricultural Economics Association Annual Meeting Long Beach, California, July 29 - August 1.

Bell, K.P. and M. McMahon. 2002. How Smart Are Smart Growth Policies?: Evidence from Household Location Decisions in Maine. Second World Congress of Environmental and Resource Economists, Monterey, California, June 24-27.

Irwin, E. and K.P. Bell. 2002. Modeling and Managing Urban Growth at the Rural-Urban Fringe: Evidence from a Model of Residential Land Use Change, NAREA Land Use Policy Workshop, Harrisburg, Pennsylvania, June 11-12.

Bell, K.P., Boyle, K., and R. Paterson. 2001. Where the Wild Things Are: Evaluating the Impacts of National Wildlife Refuges on Residential Property Values and Development Patterns. 48th North American Meetings of the Regional Science Association International, Charleston, South Carolina, November 15-17.

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Bell, K.P. and E.G. Irwin. 2000. Modeling the Rural-Urban Interface: Data-Rich Environments. Presented at the International Association of Agricultural Economists Annual Meeting, Berlin, August.

Bell, K.P. and I. Strand. 2000. Minimizing the Cost of Travel. Presented at the Association of Environmental and Resource Economists Symposium, American Agricultural Economics Association Annual Meeting, Tampa, July.

Bell, K.P., Johnson, R. and D. Huppert. 2000. Community, Place, and Landscape in Coastal Oregon and Washington. Presented at the the Eighth International Symposium on Society and Resource Management, Bellingham, WA, June.

Bell, K.P. 2000. Striving for Integrated Research: The Human Dimension of the Pacific Northwest Coastal Ecosystem Regional Study. Presented at the Human Dimension of Large Marine Ecosystems (LME) Workshop, University of Rhode Island, February.

Bell, K.P. 2000. Understanding the Use of Lands in the PNCERS Region: A Foundation for Integrated Research. Presented at the PNCERS Eat and Learn Seminar Series, University of Washington, February.

Bell, K.P. 1998. Transportation and Land Use Change. Presented at the Southern Economic Association Annual Meeting, Baltimore, Maryland, November.

Bell, K.P. 1998. A Spatial Analysis of the Transportation-Land Use Linkage. Presented at the World Congress of Environmental and Resource Economists, Venice, Italy, June.

Bell, K.P. 1997. Using Spatial Econometric Techniques to Estimate Hedonic Models. Presented at the Southern Economic Association Annual Meeting, Atlanta, October.

Bell, K.P. 1997. Ecological Economic Modeling: Land Use Conversion in the Patuxent Watershed. Presented at the Natural Resources Societies' Science Day, Into the 21st Century: People in a Natural World, June 12.

Bell, K.P. and N. Bockstael. 1997. An Example of Spatial Economic Modeling: Land Use Conversion in Howard County, Maryland, Allied Social Sciences Association Annual Meeting, New Orleans, January.

INVITED SEMINARS

Bell, K.P. 2010. Space: A Worthy Frontier ? Department of Economics, Bowdoin College, Brunswick, ME, November 4, 2010.

Bell, K.P. 2009. Incorporating GIS into natural resource management and economics curricula. School of Marine Affairs, University of Washington, Seattle, WA, May 6, 2009.

Bell, K.P. 2009. Proximity and Public Preferences for Landscape Protection Programs. Department of Agricultural, Environmental, and Development Economics, The Ohio State University, February 26, 2009.

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Bell, K.P. 2008. Sustainable Lake Management in Maine's Changing Landscape. US Environmental Protection Agency, Collaborative Science Network, Washington, DC, April 22, 2008.

Bell, K.P. 2007. Spatial Aspects of Human and Environmental Interactions. Department of Agricultural Economics and Rural Sociology, Penn State University, October 19, 2007.

Lillieholm, R. and K.P. Bell. 2007. Alternative Futures for the Penobscot Watershed, Environmental Solutions Initiative Seminar Series, Senator George J. Mitchell Center for Environmental and Watershed Research, University of Maine, Orono, ME, April 19, 2007.

Bell, K.P. RGGI: A Primer, Regional Greenhouse Gas Initiative: Taking Action in Maine Conference, Augusta, Maine, Co-sponsored by the University of Maine's Margaret Chase Smith Policy Center and the University of Southern Maine's Muskie School of Public Service, February 7, 2007.

Bell, K.P. 2007. Perceptions of Maine's Changing Landscape: Evidence from Recent Referenda, Seminar, School of Economics Series, University of Maine, Orono, ME, February 2, 2007.

Invited Moderator, Environmental Solutions Initiative Discussion with former Governor of Maine, Angus King. Shared moderating role with Professor Malcolm Hunter, Wildlife Ecology, Senator George J. Mitchell Center for Environmental and Watershed Research, University of Maine, Orono, ME, January 18, 2007.

Bell, K.P. 2006. The Economics of Managing Invasive Forest Pests. School of Forestry Seminar Series, University of Maine, Orono, November 3, 2006.

Bell, K.P. 2006. Economics and Wildlife Ecology: the Good, the Bad, and the Ugly. Department of Wildlife Ecology Seminar Series, University of Maine, Orono, ME, April 3, 2006.

Bell, K.P. 2005. Invited Speaker, Panel Discussion of Possible Futures of the Northern Forest. Ecology and Environmental Sciences Seminar, University of Maine, December 5, 2005.

Bell, K.P. 2002. Applying the Generalized-Moments Estimation Approach to Spatial Problems Involving Microlevel Data. Department of Economics Seminar Series, University of New Hampshire, Durham, New Hampshire, December 13, 2002.

Bell, K.P. and E.G. Irwin. 2002. Economic Models of Land Use and the Determinants of Land Use Change: Decisions, Decisions, Decisions. Invited Speaker, Clemson University, Biocomplexity Workshop, March 6-10, Clemson, South Carolina.

Bell, K.P. 2002. Land Use Problems and Conflicts: Data and Empirical Modeling Issues. Invited Speaker, Northeast East Regional Center for Rural Development, Research Workshop on Land Use Problems and Conflicts, February 21-22, Orlando, Florida.

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Bell, K.P. and E.G. Irwin. 2001. Invited Lecturer. Spatial Analysis Learning Workshop, American Association of Agricultural Economists Annual Meeting, Chicago, Illinois.

Bell, K.P. 2001. Linking Economic and Ecological Landscapes. Department of Forestry and Natural Resources, Purdue University, West Lafayette, Indiana, November 2.

Bell, K.P. and E.G. Irwin. 2000. Invited Lecturer. Spatial Analysis Learning Workshop, International Association of Agricultural Economists Annual Meeting, Berlin, August.

Bell, K.P. 1998. Invited Panelist on Biological Diversity Research. Valuing and Managing Ecosystems: Economic Research Sponsored by NSF/EPA. October.

GRANT ACTIVITY

Maine's Sustainability Science Initiative. Sponsor: National Science Foundation. Duration: July 2009-July 2014. Principal Investigator: Michael Eckhardt, University of Maine. Amount: \$20,000,000.

The impact of conservation lands on housing values. Sponsor: Maine State Planning Office. Duration: July 2009 - July 2011. Co-investigators: Kathleen P. Bell, Aram Calhoun, and Charles Colgan. Amount: \$39,990.

Evaluating western Oregon land use and forest management responses to potential carbon storage policies. Sponsor: USDA Forest Service, Pacific Northwest Research Station. Principal Investigator: Kathleen Bell. Duration: July 2009 - July 2011. Amount: \$20,000.

Improving Economic Analysis of Forest Change. Sponsor: USDA Forest Service, Pacific Northwest Research Station. Principal Investigator: Kathleen Bell. Duration: Sept 2008 - Sept 2010. Amount: \$25,000.

Measuring and Incorporating Stakeholder Values into River Restoration Decisions: A Socio-economic Analysis. Sponsor: Water Resource Research Institute (WRI) Grant Program. Principal Investigator: Lynne Lewis, Bates College. Co-Investigators: Kathleen Bell and Curtis Bohlen. Duration: May 2008 - May 2010. Amount: \$26,588.

Sustainable Lake Management in Maine's Changing Landscape. Sponsor: US Environmental Protection Agency. Principal Investigator: Kathleen P. Bell. Co-investigators: Jessica Leahy, Steve Sader, Katherine Webster, and Jeremy Wilson. Duration: May 2007 - May 2010. Amount: \$299,249.

Characterizing the Effects of the Plum Creek Concept Plan for the Moosehead Region on Residential Development Pressure. Principal Investigator: Kathleen P. Bell. Co-investigator: Jeremy Wilson. Sponsor: Maine Department of Conservation, Land Use Regulatory Commission. Duration: August 2006 - December 2006. Amount: \$31,029.

Houses in the Fields Principal Investigator: Kathleen P. Bell. Sponsor: University of Maine Summer Faculty Research Competition. Duration: May 2006 - September 2006. Amount: \$7,500.

A Hydrogeomorphic Lake Classification System for Refining Lake Assessment at Multiple Spatial Scales. Sponsor: US Environmental Protection Agency. Principal Investigator:

Kathleen P. Bell

Katherine Webster. Co-investigators: Kathleen P. Bell and Peter Vaux. Duration: August 2005 – July 2006. Amount: \$44,002.

Estimating the Economic Impacts of Hemlock Woolly Adelgid on Public Forestlands. Sponsor: USDA Forest Service, Cooperative Agreement. Principal Investigator: Kathleen P. Bell. Co-Investigator: Dr. Thomas Holmes, US Forest Service, Southern Research Station. Duration: August 2005 – August 2007. Amount: \$37,125.

Economic Development Planning Related to Nature-Based and Cultural Heritage Tourism in Rural Maine. Sponsor: USDA Rural Development Program. Principal Investigator: Jonathan Rubin, University of Maine. Co-investigators: Kathleen P. Bell, Todd Gabe, and Kathryn Hunt. Duration: November 2003 – May 2005. Amount: \$89,350.

Assessing the Regional Economic Impact of Land Conservation. Sponsor: Maine Department of Conservation. Principal Investigator: Kevin J. Boyle. Co-Investigators: Kathleen P. Bell and Thomas Allen. Duration: May 2003 - May 2005. Amount: \$47,505.

Assessing Public Awareness of Hemlock Woolly Adelgid. Sponsor: Maine Forest Service. State/University Cooperative Agreement. Co-Investigators: Kathleen P. Bell, University of Maine and Dave Struble, Maine Forest Service. Duration: November 2003 – September 2004.

Economic Valuation of Avoiding Exposure to Arsenic in Drinking Water: Reducing Health Risks to Children and Households. Sponsor: US Environmental Protection Agency, Cooperative Agreement. Principal Investigator: Kevin Boyle. Co-Investigators: Kathleen P. Bell, Anna Alberini, Laura Taylor, Thomas D. Crocker, and Andrew E. Smith. Duration: August 2002-August 2007. : Amount: \$259,825.

Economic Impacts of Hemlock Woolly Adelgid on Residential and Forest Landscapes. Sponsor: USDA Forest Service, Cooperative Agreement. Principal Investigator: Kathleen P. Bell. Co-investigators: Thomas Holmes, USDA Forest Service, Southern Research Station. and Kevin J. Boyle. Duration: August 2002-August 2006. Amount: \$75,024.

Penobscot Valley Prudent Investments Linking Our Towns (PVPiLOT) Research Project. Sponsor: Penobscot Valley Council of Governments and Eastern Maine Development Corporation. Co-Investigators: Kathleen P. Bell and Philip Trostel. Duration: August 2002 – November 2002. Amount: \$26, 430.

Predicting the Dynamics of Human Dominated Landscapes: Metapopulation Models for Ecosystems with Sharp Edges. Sponsor: National Science Foundation. Principal investigator: Rob Swihart, Department of Forestry and Natural Resources, Purdue University. Co-investigators at University of Maine: Kathleen P. Bell and Deirdre Mageean. Duration: September 2001 - August 2002. Amount: \$49,998.

Kathleen P. Bell

PUBLIC AND PROFESSIONAL SERVICE

Journal Article Referee

Land Economics
Journal of Environmental Economics and Management
American Journal of Agricultural Economics
Coastal Management
Agricultural and Resource Economics Review
Environmental Monitoring and Assessment
Journal of Environmental Management
Journal of Real Estate and Finance Economics
Review of Economics and Statistics
Agricultural Economics
Agriculture, Ecosystems, and Environment
Contemporary Economic Policy
Ecological Economics
Environmental and Resource Economics
Journal of Agricultural Economics
Journal of Agricultural and Applied Economics
Journal of Agricultural and Resource Economics
Journal of Forestry
Journal of Regional Science
Landscape Ecology
Land Use Policy
Marine Resource Economics
Regional Science and Urban Economics

Editorial Boards

Editorial Board, *Agricultural and Resource Economics Review*, 2005 to present
Editorial Board, *Land Economics*, 2010 to present
Editorial Board, *Coastal Management*, 2010 to present

TEACHING

Advance Econometric Models and Applications (ECO531)
Economics and Policy Applications of GIS (ECO473)
Land Use Planning (ECO 479)
Economics of Environmental and Natural Resource Management (ECO471)
Environmental Policy (INT105)