

Jeffrey D. Kline, PhD
Research Forester

Pacific Northwest Research Station
Forestry Sciences Laboratory
3200 SW Jefferson Way
Corvallis, OR 97331-4401

Phone: 541-758-7776
FAX: 541-750-7329
E-mail: JKline@fs.fed.us

RESEARCH INTERESTS

Land use, development effects on forestry, public forest values, open space

EDUCATION

- PhD in Environmental and Natural Resource Economics, University of Rhode Island, 1996. Thesis: *Measuring Public Preferences to Improve the Design of Farmland Preservation Programs.*
- MS in Resource Administration and Management, University of New Hampshire, 1988. Thesis: *Milk Supply Reduction Policy Impacts on New Hampshire's Resources and Economy.*
- BS in Environmental Resource Management, Pennsylvania State University, 1984.
- AAS in Forest Technology, Paul Smith's College, 1981.
- Westtown School, Westtown PA.

RESEARCH

- **Research Forester.** Pacific Northwest Research Station, Forestry Sciences Laboratory, USDA Forest Service, Corvallis, OR. 1997 to present.
- **Freelance Consulting.** Swallow Environmental Economics, Wyoming, RI; Summer 1996. Economic Analysis, Inc., Wakefield, RI; Summer 1995. Impact Research, Inc., Wakefield, RI; Spring/Summer 1995.
- **Research/Graduate Assistant.** Department of Environmental and Natural Resource Economics, University of Rhode Island, Kingston, RI; 1991-1995. Department of Resource Economics and Development, University of New Hampshire, Durham, NH; 1986-1988.

NATURAL RESOURCE MANAGEMENT AND POLICY

- **Conservation Specialist.** New Jersey Agricultural Stabilization and Conservation Service, United States Department of Agriculture, Bordentown, NJ. 1989-1990.
- **Agricultural Resource Specialist.** New Jersey Farmland Preservation Program, State Agricultural Development Committee, Trenton, NJ. 1988-1989.
- **Property Manager.** Natural Lands Trust, Media, PA. 1984-1986.

JOURNAL ARTICLES

- Spies, T.A., K.N. Johnson, K.M. Burnett, J.L. Ohmann, B.C. McComb, G.H. Reeves, P. Bettinger, **J.D. Kline** and B. Garber-Yonts. In press. Cumulative ecological and socio-economic effects of forest policies in coastal Oregon. *Ecological Applications*.
- **Kline, J.D.**, A. Moses, G. Lettman, and D.L. Azuma. In press. Modeling forest and rangeland development in rural locations, with examples from eastern Oregon. *Landscape and Urban Planning*.
- **Kline, J.D.** In press. Public demand for preserving local open space. *Society and Natural Resources*.
- Theobald, D.M., T. Spies, **J. Kline**, B. Maxwell, N.T. Hobbs, and V.H. Dale. 2005. Ecological support for rural land-use planning. *Ecological Applications* 15(6):1906-1914.
- **Kline, J.D.** and R.J. Alig. 2005. Forestland development and private forestry with examples from Oregon. *Forest Policy and Economics* 7(5):709-720.
- **Kline, J.D.** 2005. Our national concern about forestland development. *Timber West: Journal of Logging and Sawmills* 30(5-6):50.
- **Kline, J.D.** 2005. Forest and farmland conservation effects of Oregon's (USA) land use planning program. *Environmental Management* 35(4):368-380.
- **Kline, J.D.**, R.J. Alig, and B. Garber-Yonts. 2004. Forestland social values and open space preservation. *Journal of Forestry* 102(8):39-45.
- **Kline, J.D.**, D.L. Azuma, and R.J. Alig. 2004. Population growth, urban expansion, and private forestry in western Oregon. *Forest Science* 50(1):33-43.
- Alig, R.J., **J.D. Kline**, and M. Lichtenstein. 2004. Urbanization on the U.S. landscape: looking ahead in the 21st Century. *Landscape and Urban Planning* 69(2-3):219-234.
- **Kline, J.D.**, D.L. Azuma, and A. Moses. 2003. Modeling the spatially dynamic distribution of humans in the Oregon (USA) Coast Range. *Landscape Ecology* 18(4):347-361.
- **Kline, J.D.** 2003. Characterizing land use change in multidisciplinary landscape-level analyses. *Agricultural and Resource Economics Review* 32(1):103-115.
- **Kline, J.D.**, B.J. Butler, and R.J. Alig. 2002. Tree planting in the South; what does the future hold? *Southern Journal of Applied Forestry* 26(2):99-107.
- **Kline, J.D.** and C. Armstrong. 2001. Autopsy of a forestry ballot initiative: characterizing voter support for Oregon's Measure 64. *Journal of Forestry* 99(5):20-27.

- **Kline, J.D.**, A. Moses, and R.J. Alig. 2001. Integrating urbanization into landscape-level ecological assessments. *Ecosystems* 4(1):3-18.
- **Kline, J.D.** 2000. Comparing states with and without growth management: analysis based on indicators with policy implications, comment. *Land Use Policy* 17(4):349-355.
- **Kline, J.D.**, R.J. Alig, and R.L. Johnson. 2000. Fostering the production of nontimber services among forest owners with heterogeneous objectives. *Forest Science* 46(2):302-311.
- **Kline, J.D.**, R.J. Alig, and R.L. Johnson. 2000. Forest owner incentives to protect riparian habitat. *Ecological Economics* 33(1):29-43.
- **Kline, J.D.** and R.J. Alig. 1999. Does land use planning slow the conversion of forest and farm land? *Growth and Change* 30(1):3-22.
- **Kline, J.** and D. Wichelns. 1998. Public preferences regarding the goals of farmland preservation programs: reply. *Land Economics* 74(4):566-569.
- **Kline, J.D.** and S.K. Swallow. 1998. The demand for local access to coastal recreation in southern New England. *Coastal Management* 26(3):177-190.
- **Kline, J.** and D. Wichelns. 1998. Measuring heterogeneous preferences for preserving farmland and open space. *Ecological Economics* 26(2):211-224.
- **Kline, J.** and D. Wichelns. 1996. Measuring public preferences for the environmental amenities provided by farmland. *European Review of Agricultural Economics* 23(4):421-436.
- **Kline, J.** and D. Wichelns. 1996. Public preferences regarding the goals of farmland preservation programs. *Land Economics* 72(4):538-549.
- Wessells, C.R., **J. Kline**, and J.G. Anderson. 1996. Seafood safety perceptions and their effects on consumption choices under varying information treatments. *Agricultural and Resource Economics Review* 25(1):12-21.
- Mazzotta, M.J. and **J. Kline**. 1995. Environmental philosophy and the concept of nonuse value. *Land Economics* 71(2):244-249.
- **Kline, J.** and T.F. Weaver. 1994. Retailers' opinions about marketing manure and organic fertilizers. *American Nurseryman* 179(4):98-100.
- **Kline, J.** and D. Wichelns. 1994. Using public referendum data to characterize support for purchasing development rights to farmland. *Land Economics* 70(2):223-233.

- Wichelns, D. and **J. Kline**. 1993. The impact of parcel characteristics on the cost of development rights to farmland. *Agricultural and Resource Economics Review* 22(2):150-158.

BOOK CHAPTER

- **Kline, J.D.** 2006. Describing land use change in multidisciplinary analyses. In: Johnston, R.J.; Swallow, S.K. (eds.), *Economics and Contemporary Land Use Policy: Development and Conservation at the Rural-Urban Fringe*. Washington, DC: Resources for the Future. pp. 98-118.

PUBLISHED CONFERENCE PROCEEDINGS

- **Kline, J.D.** 2003. Private Forest Management in Urbanizing Landscapes (pp. 141-143). In: Teeter, L. (ed.), *Proceedings: Global Initiatives and Public Policies: First International Conference on Private Forestry in the 21st Century*. Atlanta, Georgia: Auburn University, School of Forestry and Wildlife Sciences. 291 p.
- **Kline, J.D.** 2002. Integrating Land Use Change into Landscape-level Ecological Assessments. In: Robert J. Johnston (Ed.). *Conserving Farm and Forest in a Changing Rural Landscape: Current and Potential Contributions of Economics*. Regional Rural Development Paper No. 11. Northeast Regional Center for Rural Development, Pennsylvania State University, University Park, PA. p. 6.
- **Kline, J.D.**, B.J. Butler, and R.J. Alig. 2002. Tree Planting in the South: What Does the Future Hold? Summary. In *Proceedings: Southern Forest Economics Workers annual meeting*, March 27-28, Atlanta, Georgia.
- Alig, R.J. and **J.D. Kline**. 2002. Socioeconomic Factors Influencing Land Use and Management Changes in the Pacific Northwest (pp. 41-49). In: Johnson, A.C., R.W. Haynes, and R. A. Monserud (Eds.), *Congruent Management of Multiple Resources: Proceedings from the Wood Compatibility Initiative Workshop*. Gen. Tech. Rep. PNW-GTR-563. USDA Forest Service, Pacific Northwest Research Station, Portland, OR. 253 p.
- **Kline, J.D.**, A. Moses, D.L. Azuma, and R.J. Alig. 2000. Urbanization Impacts on Private Forest Conditions in Western Oregon. In: DeCoster, Lester A. (Ed.), *Forest Fragmentation 2000: Sustaining Private Forests in the 21st Century, Proceedings*. Sampson Group, Inc. Alexandria, VA. 135-139.
- **Kline, J.D.**, F.A. Benford, and J.J. Swenson. 2000. Historic and Projected Trends in Private Forest Land in the Western U.S. In: DeCoster, Lester A. (Ed.), *Forest Fragmentation 2000: Sustaining Private Forests in the 21st Century, Proceedings*. Sampson Group, Inc. Alexandria, VA. pp. 73-79.
- **Kline, J.** and A. Moses. 1999. Modeling Land Use and Development for Forest and

Farmland Protection. In *Keep America Growing: Balancing Working Lands and Development* (CD-ROM). Omnipress, Inc., Madison, Wisconsin.

- **Kline, J.** and R.J. Alig. 1997. The Impact of Oregon's Land Use Planning Program on Forest and Agricultural Land Retention: Summary. Proceedings of the *Pacific Northwest Regional Economic Conference*, April 24-26, 1997, Spokane, Washington. Posted on the World Wide Web (<http://coopext.cahe.wsu.edu/~pnrec97/proceed.htm>).
- **Kline, J.** and D. Wichelns. 1996. Empirical Evidence of Public Preferences for Farmland Preservation. In W. Lockeretz (ed.), *Environmental Enhancement Through Agriculture*. School of Nutrition Science and Policy, Tufts University. pp. 265-274.
- **Kline, J.** and D.E. Morris. 1987. Land Use Changes on New Hampshire Farms Participating in the Dairy Buyout Program. In *Planning for the Changing Rural Landscape of New England: Blending Theory and Practice, Proceedings*. New England Center, University of New Hampshire. pp. 107-114.

SELECTED RESEARCH REPORTS AND BULLETINS

- **Kline, J.D.** Kruger, L.E.; Mazza, R. 2005. Demographic trends in southeast Alaska. In: Mazza, R.; Kruger, L.E., eds. *Social conditions and trends in southeast Alaska*. Gen. Tech. Rep. PNW-GTR-653. Portland, OR: U.S. Department of Agriculture, Forest Service, Pacific Northwest Research Station: 5-43 p.
- **Kline, J.D.** 2005. Predicted forest and farm land development in western Oregon with and without land-use zoning in effect. Res. Note PNW-RN-548. Portland, OR: U.S. Department of Agriculture, Forest Service, Pacific Northwest Research Station. 16 p.
- **Kline, J.D.** 2004. Issues in evaluating the costs and benefits of fuels treatment to reduce wildfire in the nation's forests. Res. Note PNW-RN-542. Portland, OR: U.S. Department of Agriculture, Forest Service, Pacific Northwest Research Station. 46 p.
- **Kline, J.D.** 2004. Analysis and modeling of forest-land development at the wildland/urban interface (pp. 153-160). In: Haynes, J. L., A. A. Agar, and R. J. Barbour, tech. eds., *Methods for integrated modeling of landscape change: Interior Northwest Landscape Analysis System*. Gen. Tech Rep. PNW-GTR-610. U.S. Department of Agriculture, Forest Service, Pacific Northwest Research Station, Portland, OR. 218 p.
- Lettman, G.J. and **J.D Kline**. 2004. Connection to local communities (pp. 132-136). In: Haynes, J. L., A. A. Agar, and R. J. Barbour, tech. eds., *Methods for integrated modeling of landscape change: Interior Northwest Landscape Analysis System*. Gen. Tech Rep. PNW-GTR-610. U.S. Department of Agriculture, Forest Service, Pacific Northwest Research Station, Portland, OR. 218 p.
- Everest, F.H., D.J. Stouder, C. Kakoyannis, L. Houston, G. Stankey, **J. Kline**, and R. Alig.

2004. A review of scientific information on issues related to use and management of water resources in the Pacific Northwest. Gen. Tech. Rep. PNW-GTR-595. U.S. Department of Agriculture, Forest Service, Pacific Northwest Research Station, Portland, OR. 128 p.
- Houston, L.L., M. Watanabe, **J.D. Kline**, and R.J. Alig. 2003. Past and Future Water Use in Pacific Coast States. Gen. Tech. Rep. PNW-GTR-588. USDA Forest Service, Pacific Northwest Research Station, Portland, OR. 37 p.
 - Alig, R.J., A. Plantinga, S. Ahn, and **J.D. Kline**. 2003. Land Use Changes Involving Forestry in the United States: 1952 to 1997, with Projections to 2050. Gen. Tech. Rep. PNW-GTR-587. U.S. Department of Agriculture, Forest Service, Pacific Northwest Research Station, Portland, OR. 92 p.
 - Houston, L.L., **J.D. Kline**, and R.J. Alig. 2002. Economics Research Supporting Water Resource Stewardship. Gen. Tech. Rep. PNW-GTR-550. USDA Forest Service, Pacific Northwest Research Station, Portland, OR. 72 p.
 - Azuma, D.L., K.R. Birch, A.A Herstrom, **J.D. Kline**, and G. Lettman (alphabetically). 2002. Land Use Change on Non-federal Land in Western Oregon, 1973-2000. Oregon Department of Forestry, Salem, OR. 48 p.
 - **Kline, J.D.** 2001. Tourism and Natural Resource Management: A General Overview of Research and Issues. General Technical Report PNW-GTR-506. USDA Forest Service, Pacific Northwest Research Station, Portland, OR.
 - **Kline, J.D.** and R.J. Alig. 2001. A Spatial Model of Land Use Change in Western Oregon and Western Washington. Research Paper PNW-RP-528. USDA Forest Service, Pacific Northwest Research Station, Portland, OR. 24 p.
 - **Kline, J.D.** and R.J. Alig. 2000. Research Report 3: Forest Impacts. Prepared for Willamette Valley Alternative Futures, for EcoNorthwest, Inc., Eugene, OR. 35 pp. (<http://www.econorthwest.com/wvaf/pdf/rr3.pdf>).
 - Johnson, R.L., R.J. Alig, **J. Kline**, R. Moulton, and M. Rickenback. 1999. Management of Non-industrial Private Forest Lands: Survey Results from Western Oregon and Washington Owners. Research Contribution 28. Department of Forest Resources, Oregon State University, Corvallis, Oregon.
 - Swallow, S.K. and **J. Kline**. 1996. Benefit Assessment of the Gooseberry Island Causeway, Managed by Horseneck Beach State Park, Massachusetts. Submitted to Aubrey Consulting, Inc., Cataumet, MA by Swallow Environmental Economics, Wyoming, RI, June 30. 24 pp. plus appendices.
 - **Kline, J.** and D. Wichelns. 1996. Public Preferences for Preserving Farmland and Open Space in Rhode Island. REN Staff Paper Series. Rhode Island Agricultural Experiment Station

Contribution Number 3369. University of Rhode Island.

- **Kline, J.** and T.F. Weaver. 1994. Factors in the Marketing of Fish Emulsion. REN Staff Paper Series. Rhode Island Agricultural Experiment Station Contribution Number 2935. University of Rhode Island.
- **Kline, J.** and T.F. Weaver. 1994. Marketing Poultry Manure in the Rhode Island Retail Manure and Organic Fertilizer Market. REN Staff Paper Series. Rhode Island Agricultural Experiment Station Contribution Number 2930. University of Rhode Island.
- Anderson, J.G., C.R. Wessells, **J. Kline**, M.T. Morrissey, and T. Reilly. 1994. Seafood Consumption and Perceptions of Seafood Quality and Safety. Special Grant Paper Series, RI-94-103. Oregon State University and University of Rhode Island.
- Morris, D.E., **J.D. Kline**, and G.E. Frick. 1989. Land Use and Growth in New Hampshire: II. Tax Impacts of the Current Use Program, 1987. Staff Paper RECD 89-2. Department of Resource Economics and Development, University of New Hampshire.
- Morris, D.E., **J.D. Kline**, and G.E. Frick. 1989. Land Use and Growth in New Hampshire: I. Major Categories of Land Use, 1987. Staff Paper RECD 89-1. Department of Resource Economics and Development, University of New Hampshire.
- **Kline, J.D.**, D.E. Morris, and G.E. Frick. 1988. The Impact of the Dairy Buyout on the Colebrook Region Economy. Research Report Number 119. New Hampshire Agricultural Experiment Station, University of New Hampshire.
- Morris, D.E., **J.D. Kline**, and E.F. Jansen. 1988. Planning for Growth in New Hampshire Communities: Perceptions and Efforts of Local Officials. Research Report Number 118. New Hampshire Agricultural Experiment Station, University of New Hampshire.
- Morris, D.E., and **J.D. Kline**. 1987. The Dairy Termination Program and the New Hampshire Dairy Farmer: A Study of Resources on Participating Farms. Research Report Number 117. New Hampshire Agricultural Experiment Station, University of New Hampshire.