

CURRICULUM VITAE

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NAME: Darius Mainard Adams
TITLE: Professor Emeritus
ADDRESS: Oregon State University, Department of Forest Engineering, Resources and Management, College of Forestry, Corvallis, OR 97331

EDUCATION:

BS 1966 Humboldt State University, Arcata, California; Forest Management (*summa cum laude*)
MFS 1968 Yale University, School of Forestry and Environmental Studies, New Haven, Connecticut
PhD 1972 University of California, Department of Forestry and Conservation, Berkeley, California; Wildland Resource Science

PROFESSIONAL EXPERIENCE

1968 (summer) Research Forester, United States Forest Service, Forest Fire Laboratory, Riverside, California
1969 (summer) Economist, Operations Research Group, Weyerhaeuser Corporation Tacoma, Washington.
1970-1971 Research Assistant, University of California, School of Forestry and Conservation, Berkeley, California.
1971-1974 Assistant Professor, Department of Forestry, University of Wisconsin, Madison, Wisconsin.
1974-1977 Assistant Professor, Oregon State University, College of Forestry, Department of Forest Management, Corvallis, Oregon.
1977-1982 Associate Professor, Oregon State University, College of Forestry, Department of Forest Management, Corvallis, Oregon.
1982-1984 Professor, Oregon State University, College of Forestry, Department of Forest Management, Corvallis, Oregon.
1984-1991 Professor, College of Forest Resources, University of Washington, Seattle, Washington
1992-1995 Professor, University of Montana, School of Forestry, Missoula, Montana
1993 Acting Dean, School of Forestry, University of Montana, August-November.
1992-1995 Affiliate Professor, College of Forest Resources, University of Washington, Seattle, Washington
1995-2009 Professor, Department of Forest Resources / Forest Engineering, Resources and Management, Oregon State University, Corvallis, Oregon
2007-2008 Interim Head, Department of Forest Resources, Oregon State University, Corvallis, Oregon
2008-2009 Interim Head, Department of Forest Engineering, Resources and Management, Oregon State University, Corvallis, Oregon
2009-present Professor Emeritus, Department of Forest Engineering, Resources and Management, Oregon State University, Corvallis, Oregon

OTHER PROFESSIONAL RESPONSIBILITIES (selected)

Board of Editors, *Land Economics* (1978-1981)

Editorial Advisory Board, *Forest Science* (1979-1982, 1992-1994)

Editorial Board, *Journal of World Forest Resources Management* (1986-2009)

Editorial Board, *New Zealand Journal of Forest Science* (2005 - 2009)

National Task Force on RPA Implementation, Soc. of Amer. Foresters (1980-1981)

Advisory Panel, Wood as a Material Study, U. S. Congress, Office of Technology Assessment (1981-1983).

Visiting Scientist, International Institute for Applied Systems Analysis, Laxenburg, Austria, (Summer 1982)

Research Fellow, UN Food and Agriculture Organization, Dept. of Forestry, Rome, Italy, (Fall 1982)

Chair, Western Forest Economists Association (1983, 2009)

Washington Governor's Council of Economic Advisors (1985-1990)

National Task Force on International Trade, Soc. of Amer. Foresters (1986-1988)

Research Coordinator, Center for International Trade in Forest Products, College of Forest Resources, Univ. of Washington (1986-1990)

Principal Investigator, Washington Timber Supply Study (1990-1993)

Chair, Program Review Committee, University of British Columbia, Faculty of Forestry, Department of Forest Resources Management (July, 1992)

Member, Committee on Environmental Issues in Pacific Northwest Forest Management, National Research Council, Commission on Life Sciences (1993, resigned 1994)

Member, Departmental Advisory Committee, Department of Forestry, Humboldt State University (1997-2000)

Member, International Science Advisory Board, Finnish Forest Research Institute, Vantaa, Finland (2002-2009)

College of Reviewers, Canada Research Chairs Program (2009)

Chair, Forestry Computing Committee, College of Forestry, Oregon State University: 0.15 FTE, 2003-2007; 0.05 FTE, 2012-2018.

SOCIETIES

Society of American Foresters

American Agricultural Economics Association

American Economics Association

Xi Sigma Pi Forestry Honorary

Chi Sigma Epsilon Undergraduate Honorary

Sigma Xi

HONORS, AWARDS AND FELLOWSHIPS

Dean's List of Scholars, Humboldt State College, 1963-1966.

Weyerhaeuser Fellowship in Forestry Economics, Yale University, School of Forestry, 1967-1969.

Weyerhaeuser Fellowship in Forestry, University of California, School of Forestry and Conservation, 1969-1970.

USDA, Forest Service, Certificate of Appreciation for research on forest products markets, 1982

Distinguished Alumnus Award, College of Natural Resources, Humboldt State University, 1985.
Laird Norton Lecturer, Yale University, School of Forestry and Environmental Studies, 1986.
USDA, Forest Service, Certificate of Appreciation, for research on the Timber Assessment Market Model in support of the RPA Timber Assessment, 1990.
Distinguished Lecturer, Virginia Polytechnic and State University, Department of Forestry, 1990.
USDA, Forest Service, Certificate of Appreciation for research on the 1993 RPA Timber Assessment Update, 1995.
Distinguished Faculty Service Award, School of Forestry, University of Montana, 1994-95.
Weaver Lecturer, Auburn University, School of Forestry, 1999.
Society of American Foresters, National Award in Forest Science, 1999.
USDA, Forest Service, Certificate of Appreciation, for research in support of the 2005 RPA Timber Assessment, 2007.

PUBLICATIONS

Refereed Journals

- McKillop, W. and D. M. Adams. 1972. Comment on George F. Dutrow's paper, "Disequilibrium Model for Stumpage Price Analysis." *Forest Science* 18(1):53.
- Adams, D. M. 1974. Forest products prices and national forest timber supply in the Douglas-fir region. *Forest Science* 20(3):243-259.
- Adams, D. M. and A. R. Ek. 1974. Optimizing the management of unevenaged forest stands. *Can. Jour. For. Res.* 4(3):274-312.
- Adams, D. M. 1975. A model of pulpwood production and trade in Wisconsin and the Lake States. *For. Sci.*, 21(3):301-312.
- Adams, D. M. 1976. A note on the interdependence of stand structure and best stocking in a selection forest. *For. Sci.*, 22(2):180-184.
- Adams, D. M., D. R. Darr, and R. W. Haynes. 1976. Potential responses of softwood markets to the Monongahela decision. *Jour. of For.*, 74(10):668-670.
- Adams, D.M., R. W. Haynes, and D. R. Darr. 1977. Wood products consumers, producers, and national forest timber flow policy. *Jour. of For.*, 75(10):648-649, 666.
- Adams, D. M., R. W. Haynes, D. R. Darr. 1977. A welfare analysis of long-term forest products price stabilization. *Am. Jour. of Agri. Econ.*, 59(4):662-673.
- Brodie, J. D., D. M. Adams, and C. Kao. 1979. Analysis of economic impacts on thinning and rotation for Douglas-fir using dynamic programming. *For. Sci.*, 24(4):513-522.
- Haynes, R. W. and D. M. Adams. 1979. Impacts of RARE II withdrawals on softwood prices, consumption, and production. *Jour. of For.*, 78(4):230-233.
- Haynes, R. W. and D. M. Adams. 1979. Possible changes in forest products markets during the next 50 years. *For. Prod. Jour.*, 29(10):75-80.

Adams, D. M. and R. W. Haynes. 1980. The 1980 RPA softwood timber assessment market model: structure, projections, and policy simulations. *Forest Science Monograph* #22.

Haynes, R. W. and D. M. Adams. 1981. Matching projections of supply and demand for forest products. *For. Prod. Jour.* 31(10):77-81.

McKillop, W., D. M. Adams, and R. W. Haynes. 1981. National impacts of softwood product price increases. *Jour. of For.* 79(12):807-810.

Adams, D. M., R. W. Haynes, G. F. Dutrow, R. L. Barber, and J. M. Vasievich. 1982. Private investment in forest management and the long-term supply of timber. *Amer. Jour. Agric. Econ.*, 64(2):232-241.

Adams, D. M. 1983. An approach to estimating demand for national forest timber. *For. Sci.* 29(2):289-300.

Alig, R. J., D. M. Adams, and R. W. Haynes. 1983. Long-range projections of forest area change: new approaches are needed. *Jour. of For.*, 81(11):723-727.

Haynes, R. W. and D. M. Adams. 1983. Changing perceptions of the U.S. forest sector: implications for the RPA Timber Assessment. *Amer. Jour. of Agric. Econ.*, 65(5):1002-1009.

Adams, D. M. and R. W. Haynes. 1985. Changing perspectives on the outlook for timber in the United States. *Journal of Forestry*, 83(1):32-35.

Haight, R. G., J. D. Brodie, and D. M. Adams. 1985. Optimizing the sequence of diameter distributions and selection harvests for uneven-age stand management. *Forest Science* 31(2):451-462.

Adams, D. M. 1985. A spatial model of African-European trade in tropical logs and sawnwood. *For. Ecol. and Mgmt.* 13:265-287.

Adams, D. M., B. A. McCarl, and L. Homayounfarrouk. 1986. The role of exchange rates in Canadian-United States lumber trade. *Forest Science* 32(4):973-988.

Adams, D. M. and R. W. Haynes. 1989. Changing timber policies may bring other changes: the impact of potential changes in National Forest timber supply. *Journal of Forestry* 87(4):24-27, 30-31.

Adams, D. M. and R. W. Haynes. 1989. A model of national forest timber supply and stumpage markets in the western United States. *Forest Science* 35(2):401-424.

Adams, D. M. and R. W. Haynes. 1990. Public Policies, Private Resources and the Future of the Douglas-fir Regional Forest Economy. *Western Journal of Applied Forestry* 5(3):64-69.

Cardellicchio, P. A. and D. M. Adams. 1990. An appraisal of the IIASA model of the global forest sector: advances, shortcomings, and implications for future research. *Forest Science* 36(2):343-357.

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Adams, D. M., C. S. Binkley, and P. A. Cardellichio. 1991. Is the level of national forest timber harvest sensitive to price? *Land Economics* 67(1):74-84.

Adams, D. M. and R. W. Haynes. 1991. Softwood Timber Supply and the Future of the Southern Forest Economy. *Southern Journal of Applied Forestry* 15(1):27-32.

Maness, T. C. and D. M. Adams. 1991. The Combined Optimization of Log Bucking and Sawing Strategies. *Wood and Fiber Science* 23(2):296-314.

Adams, D. M. and R. W. Haynes. 1991. Estimating the Economic Impact of Preserving Old-Growth on Public Lands in the Pacific Northwest. *Northwest Environmental Journal* 7(1).

Haynes, R. W. and D. M. Adams. 1992. The Timber Situation in the United States. *Journal of Forestry* 90(5): 38-43.

Adams, D. M. 1992. Long-term timber supply in the United States: an analysis of resources and policies in transition. *Journal of Business Administration* 20(1&2): 131-156.

Adams, D. M., R. Boyd, and J. Angle. 1992. Evaluating the Stability of Softwood Lumber Demand Elasticity by End-Use Sector: A Stochastic Parameter Approach. *Forest Science* 38(4):825-841.

Adams, R. M., D. M. Adams, J. M. Callaway, C-C. Chang, and B. A. McCarl. 1993. Sequestering Carbon on Agricultural Land: Social Cost and Impacts on Timber Markets. *Contemporary Policy Issues* XI(1):76-87.

Montgomery, C., G. Brown Jr., and D. M. Adams. 1994. The Marginal Cost of Species Preservation: The Northern Spotted Owl. *Journal of Environmental Economics and Management* 26: 111-128.

Adams, D. M., R. J. Alig, and J. A. Stevens. 1994. An Analysis of Future Softwood Timber Supply in Western Washington. *Western Journal of Applied Forestry* 9(3): 81-87.

Alig, R. J. and D. M. Adams. 1995. Productivity of Nonindustrial Private Forests in Western Washington: Alternative Futures. *Western Journal of Applied Forestry* 10(1): 29-35.

Adams, D. M., R. J. Alig, B. A. McCarl, J. M. Callaway, and S. M. Winnett. 1996. An Analysis of the Impacts of Public Timber Harvest Policies on Private Forest Management in the U.S. *Forest Science* 42(3): 343-358.

Alig, R., D. Adams, B. McCarl, J.M. Callaway, and S. Winnett. 1997. Assessing Effects of Mitigation Strategies for Global Climate Change with an Intertemporal Model of the U.S. Forest and Agriculture Sectors. *Environmental and Resource Economics* 6(3): 1-16.

Alig, R., D. Adams, B. McCarl, J.M. Callaway, and S. Winnett. 1997. Assessing Effects of Mitigation Strategies for Global Climate Change with an Intertemporal Model of the U.S. Forest and Agriculture Sectors. *Critical Reviews in Environmental Science and Technology* 27(Special):S97-S111.

Alig, R. J., D. M. Adams, and B. A. McCarl. 1998. Ecological and Economic Impacts of Forest Policies: Interactions Across Forestry and Agriculture. *Ecological Economics* 27(1): 63-78.

Adams, D. M., R. J. Alig, B. A. McCarl, S. M. Winnett, and J. M. Callaway. 1998. The Effects of Factor Supply Assumptions on Intertemporal Timber Supply Behavior: The Cases of Investable Funds and Land. *Canadian Journal of Forest Research* 28:239-247.

Alig, R. J., D. M. Adams, and B. A. McCarl. 1998. Impacts of incorporating land exchanges between forestry and agriculture in sector models. *Journal of Agricultural and Applied Economics* 30(2):389-401.

Adams, D. M., R. J. Alig, B. A. McCarl, J. M. Callaway, and S. M. Winnett. 1999. Minimum Cost Strategies for Sequestering Carbon in Forests. *Land Economics* 75 (3): 360-74.

Alig, R. J., D. M. Adams, J. T. Chmelik, and P. Bettinger. 1999. Private forest investment and long-run sustainable harvest volume. *New Forests* 17:307-327

Alig, R. J., D. M. Adams, B. A. McCarl, and P. J. Ince. 2000. Economic potential of short-rotation woody crops on agricultural land for pulp fiber production in the United States. *Forest Products Journal* 50(5):67-74.

McCarl, B. A., D. M. Adams, R. J. Alig and J. T. Chmelik. 2000. Competitiveness of biomass-fueled electrical power plants. *Annals of Operations Research* 94:37-55.

McCarl, B. A., D. M. Adams, R. J. Alig, D. Burton and C. Chen. 2000. Effects of global climate change on the US forest sector: response functions derived from a dynamic resource and market simulator. *Climate Research* 15(3):195-205.

Latta, G. S. and D. M. Adams. 2000. An Econometric Analysis of Output Supply and Input Demand in the Canadian Softwood Lumber Industry. *Canadian Journal of Forest Research* 30(9): 1419-1428.

Irland, L.C., D. M. Adams, R. Alig, C.J. Betz, C. Chen, M. Hutchins, B. A. McCarl, K. Skog, and B. L. Sohngen. 2001. Assessing socioeconomic impacts of climate change on U.S. forests, wood-products markets, and forest recreation. *Bioscience* 51(9):753-764.

Alig, R., D. Adams, J. Mills, R. Haynes, P. Ince and R. Moulton. 2001. Alternative projections of the impacts of private investment on southern forests: a comparison of two large-scale forest sector models of the United States. *Silva Fennica* 35(3):265-276.

Alig, R. J., D. M. Adams, and B. A. McCarl. 2002. Projecting impacts of global climate change on the U.S. forest and agriculture sectors. *Forest Ecology and Management* 169(2002):3-14.

Adams, D. M. 2002. RPA5: Solid Wood Products. *Journal of Forestry* 100(2):14-19.

Adams, D. M. 2002. RPA5: Harvest, Inventory and Stumpage Prices. *Journal of Forestry* 100(2):26-31.

Helvoigt, T., D. M. Adams, and A. Ayre. 2003. Employment Transitions in Oregon's Wood Products Sector During the 1990's. *Journal of Forestry* 101(4):42-46.

Schillinger, R. R., D. M. Adams, G. S. Latta, and A.K. Van Nalts. 2003. An Analysis of Future Private Timber Supply Potential in Western Oregon. *Western Journal of Applied Forestry* 18(3):1-9.

Adams, D. M. 2003. Market and resource impacts of a Canadian lumber tariff. *Journal of Forestry* 101(2):48-52.

Alig, R., D. Adams, L. Joyce, and B. Sohngen. 2004. Climate Change Impacts and Adaptation in Forestry: Responses by Trees and Markets. *Choices: The Magazine of Food, Farm and Resource Issues* Fall:9-11. On-line, see: <http://www.choicesmagazine.org/2004-3/climate/2004-3-07.htm>

Adams, D. and G. Latta. 2004. Effects of a Forest Health Thinning Program on Land and Timber Values in Eastern Oregon. *Journal of Forestry* 102(8):9-13.

Størdal, S. and D. Adams. 2005. Testing for Variation in the Western Oregon Softwood Log Price Structure. *Canadian Journal of Forest Research* 35(3):713-723.

Adams, D., J. Mills, R. Alig, and R. Haynes. 2005. SOFRA and RPA: Two Views of the Future of Southern Timber Supply. *Southern Journal of Applied Forestry* 29(3): 123-134.

Adams, D. M. and G. S. Latta. 2005. Costs and Regional Impacts of Restoration Thinning Programs on the National Forests in Eastern Oregon. *Canadian Journal of Forest Research* 35(6):1319-1330.

Montgomery, C., G. Latta, and D. Adams. 2006. The cost of achieving old-growth forest structure. *Land Economics* 82(2): 240-256.

Adams, D. M. and G. S. Latta. 2007. Timber Trends on Private Lands in Western Oregon and Washington: A New Look. *Western Journal of Applied Forestry* 22(1):8-14.

Adams, D. M. and G. S. Latta. 2007. Future Prospects for Private Timber Harvest in Eastern Oregon. *Western Journal of Applied Forestry* 22(3):197-203.

Im, E., D. M. Adams and G. S. Latta. 2007. Potential Impacts of Carbon Taxes on Carbon Flux in western Oregon Private Forests. *Forest Policy and Economics* 9(2007):1006-1017.

Temesgen, H., M. E. Goerndt, G. Johnson, D. M. Adams, and R. A. Monserud. 2007. The roles of forest measurement and biometrics in forest management: status and future needs of the Pacific Northwest USA. *Journal of Forestry* 105(5):233-238.

Helvoigt, T. L. and D. M. Adams. 2008. Data envelopment analysis of technical efficiency and productivity growth in the US Pacific Northwest sawmill industry. *Canadian Journal of Forest Research* 38(10):2553-2565.

Helvoigt, T. L. and D. M. Adams. 2009. A stochastic frontier analysis of technical progress, efficiency change and productivity growth in the US Pacific Northwest sawmill industry. *Journal of Forest Policy and Economics* 11:280-287.

Curriculum Vitae: Darius M. Adams, Page 8 of 19.

Thompson, M., D. Adams, J. Sessions. 2009. Radiative Forcing and the Optimal Rotation Age. *Ecological Economics* 68(August):2713-2720.

Thompson, M., D. Adams, and K. N. Johnson. 2009. The albedo effect and forest carbon offset design. *Journal of Forestry* 107(8):425-431.

Latta G, H Temesgen, D Adams, T Barrett. 2010. Analysis of Potential Impacts of Climate Change on Forests of the United States Pacific Northwest. *Forest Ecology and Management* 259:720-729.

Alig R, G Latta, D Adams, B McCarl. 2010. Mitigating Greenhouse Gases: The Importance of Land Base Interactions Among Forests, Agriculture, and Residential Development in the Face of Changes in Bioenergy and Carbon Prices. *Forest Policy and Economics* 12:67-75. [One of the ten most frequently cited articles in FPE 2009-2014]

Baker JS, BA McCarl, BC Murray, SK Rose, RJ Alig, D Adams, G Latta, R Beach, and A Daigneault. 2010. Net Farm Income and Land Use under a U.S. Greenhouse Gas Cap and Trade. *Policy Issues (P17)* 7:1-5 (<http://www.aaea.org/publications/policy-issues/>)

Im E, DM Adams, GS Latta. 2010. The Impacts of Changes in Federal Timber Harvest on Forest Carbon Sequestration in Western Oregon. *Canadian Journal of Forest Research* 40: 1710-1723.

Sjølie HK, GS Latta, DM Adams, B Solberg. 2011. Impacts of agent information assumptions in forest sector modeling. *Journal of Forest Economics* 17: 169-184.

Latta GS, DM Adams, RJ Alig, E White. 2011. Simulated Effects of Mandatory versus Voluntary Participation in Private Forest Carbon Offset Markets in the United States. *Journal of Forest Economics* 17:127-141.

Temesgen H, B Eskelson, TC Maness, DM Adams, HE Burkhart. 2011. Teaching in contemporary forest resources curricula: applications to courses in forest measurements and biometrics. *Journal of Forestry* 109(7):371-377.

Adams DM, R Alig, G Latta, EM White. 2011. Regional impacts of a program for private forest carbon offset sales. *Journal of Forestry* 109(8):444-453.

Chimeli AB, Boyd RG, DM Adams. 2012. International Timber Markets and Tropical Deforestation: The Evidence from Prices. *Applied Economics* 44(10): 1303-1314.

White EM, G Latta, RJ Alig, KE Skog, DM Adams. 2013. Biomass Production from the U.S. Forest and Agriculture Sectors in Support of a Renewable Electricity Standard. *Energy Policy* 58(2013): 64-74.

Haim D, DM Adams, EM White. 2014. Determinants of demand for wood products markets in the U.S. construction sector: an econometric analysis of a system of demand equations. *Canadian Journal of Forest Research* 44(10):1217-1226.

Latta GS, DM Adams, KP Bell, JD Kline. 2016. Evaluating land-use and private forest management responses to a potential forest carbon offset sales program in western Oregon (USA). *Forest Policy and Economics* 65:1-8.

Crandall MS, DM Adams, CA Montgomery, D Smith. 2017. The potential rural development impacts of utilizing non-merchantable forest biomass. *Forest Policy and Economics* 74: 20-29.

Adams DM, GS Latta, MS Crandall, IG Guerrero Ochoa. 2019. The importance of incorporating intertemporal and spatial log market dynamics in projections of residue-based biomass supply for liquid biofuel production in western Oregon and Washington, US. *Forest Policy and Economics* 106 (September 2019): <https://doi.org/10.1016/j.forpol.2019.101957>

Experiment Station Bulletins and Notes

Barrows, R. L., D. M. Adams, J. D. Brodie, D. W. Bromley, R. W. Dunford, and D. A. Harkin. 1974. Wisconsin natural resource policy issues: an economic perspective. Univ. of Wisconsin, School of Natural Resources, Center for Resource Policy Studies, Working Paper No. 6, Madison, WI. 321 pp.

Adams, D. M. and J. D. Brodie. 1976. Wisconsin's forest resources: present and potential uses. Univ. of Wisconsin, School of Natural Resources, Research Div., Coll. Ag. and Life Sciences, Res. Bull. R2844, Madison, WI. 60 pp.

Adams, D. M., R. W. Haynes, and D. R. Darr. 1977. Alternative techniques for analysis of price effects of changes in national forest timber flows: a background report. USDA, For. Serv., PNW Forest & Range Expt. Stn., Gen. Tech. Rpt. PNW-60, Portland, OR 18 pp.

Adams, D. M. 1977. Effects of national forest timber harvest on softwood stumpage, lumber, and plywood markets: an econometric analysis. Oregon State Univ., School of Forestry, Forest Res. Lab., Res. Bull. 15, Corvallis, OR 50 pp.

Adams, D. M., R. W. Haynes, T. J. Mills, D. Shearer, and S. Childress. 1979. Production, consumption, and prices of softwood products in North America--regional time series data 1950-1976. Oregon State Univ., Forest Research Lab., Research Bulletin 27, Corvallis, OR.

Haynes, R. W., K. P. Connaughton, and D. M. Adams. 1980. Stumpage price projections for selected western species. USDA, Forest Service, PNW Forest and Range Expt. Stn., Res. Note PNW-367, Portland, OR.

Darr, D. R., R. W. Haynes, and D. M. Adams. 1980. The impact of the export and import of raw logs upon domestic timber supply and prices. USDA, Forest Service, PNW Forest and Range Expt. Stn., Research Paper PNW-277, Portland, OR.

Haynes, R. W., K. P. Connaughton and D. M. Adams. 1981. Projections of the demand for national forest stumpage by region: 1980-2030. USDA, Forest Service, PNW Forest and Range Expt. Stn., Res. Paper PNW-282. 13 pp.

Haynes, R. W. and D. M. Adams. 1982. "Projected Timber Demand-Supply Relationships," In: Analysis of the Timber Situation in the United States 1952-2030. U.S. Dep. Agric., For. Serv., Forest Resources Report no. 23. USGPO, Washington, D.C.

Adams, D. M. 1984. Modelling world trade / tropical timbers. UN/FAO Programme in Outlook Studies for Supply and Demand of Forest Products, FO/MIS/83/23. Rome, Italy.

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Adams, D. M., K. C. Jackson, and R. W. Haynes. 1988. Production, Consumption, and Prices of Softwood Products in North America: Regional Time Series Data, 1950-1985. Resour. Bull. PNW-RB-151, PNW Res. Sta., U.S. Forest Service, Portland, OR. 49 pp.

Cardellichio, P. A. and D. M. Adams. 1988. Evaluation of the IIASA Model of the Global Forest Sector. CINTRAFOR Working Paper 13, Univ. of Washington, Seattle. 142 pp.

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Adams, D. M. and R. W. Haynes. 1989. The Future of the Douglas-fir Region's Forest Economy: Potential Development Under Changing Public Policies and Private Resources. CINTRAFOR, Univ. of Washington, Working Paper WP-26, Seattle, WA.

Cardellichio, P.A., Y-C. Youn, D. M. Adams, R-W. Joo, and T. Chmelik. 1989. A Preliminary Analysis of Timber and Timber Products Production, Consumption, Trade, and Prices in the Pacific Rim Until 2000. CINTRAFOR, Univ. of Washington, Working Paper WP-22, Seattle, WA.

USDA, Forest Service. 1990. An Analysis of the Timber Situation in the United States: 1989-2040. Rocky Mountain Research Station, General Technical Report RM-GTR-199. (Contributed to Chapters 4, 6, 7, and 8. This report was published without specific attribution to individual authors.)

Stevens, J.A. and D. M. Adams. 1991. Opportunities for expansion of Alaska's market pulp exports. CINTRAFOR Working Paper WP-34, University of Washington, Seattle, WA.

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