

GENERAL INFORMATION

Experience

1983 - Present	Associate Professor of Forest Management Director, Office of Student Services (1996 – Present) Department of Forestry and Natural Resources Purdue University
1980-1983	Assistant Professor of Forest Economics Department of Forestry Auburn University
1977-1980	Graduate Instructor in Research Department of Forestry and Natural Resources Purdue University
1972-1977	United States Navy Senior Class Instructor, NROTC Purdue University Weapons, Communication and Electrical Officer USS Denebola AF56

Memberships

Society of American Foresters	1970 - present
Xi Sigma Pi, National Forestry Honorary	1971 - present
Gamma Sigma Delta	1972 - present
Phi Kappa Phi	1972 - present
PACADA (Purdue Academic Advising Association)	1997 - present
NACADA (National Academic Advising Association)	2006 - present

Honors and Awards

Purdue University
 FNR Faculty Senior Award – 1995
 FNR Outstanding Advisor – 1999, 2000, 2001, 2003, 2005
 David C. Pfendler Outstanding Counselor Award 2003, School of Agriculture
 Richard W. McDowell Outstanding Academic Counselor Award 2003, Purdue University
 presented by Omicron Delta Kappa

Education:

B. S. 1972 Auburn University
 M. S. 1977 Purdue University
 Ph.D. 1980 Purdue University

TEACHING AND ADVISING

Professor Mills serves as Director of the Department's Office of Student Services advising all undergraduate students (in conjunction with another full-time counselor), serving as the schedule deputy and curriculum deputy for the five majors in the Department, and coordinating the Department's Cooperative Education program.

Professor Mills has been assigned teaching responsibilities that include teaching the senior capstone courses (FNR 405/408) for Forestry major 1983-1996, for four majors (1996 – 2003), since 1996 a sophomore course (FNR 210) in information technology (geographic information systems, GIS, and

database management) and another senior course for Forestry majors (FNR 409 Timber Management). He has partnered with others across the university to provide GIS education resources for both university and continuing education for natural resource professional and extension educators.

Contributions to Curriculum Development

Professor Mills has demonstrated outstanding skills in curriculum development and reviews. While contributing significantly to the development of a major revision and restructuring of Departmental majors and curriculum starting in 1996, he has been instrumental in implementing it. He is currently serving on University and College committees that are developing outcome based curriculum assessment and improvement for both courses, curriculum and advising.

Refereed Papers

1. Mills*, Jr., W.L. and W.L. Hoover. 1982. "Investment in Forest Land: Aspects of Risk and Diversification." *Land Economics* 58(Feb):33-51.
2. Mills*, Jr. W.L. and R.A. Tufts. 1985. "Equipment Replacement: Comparison of Two Methods." *Forest Science* 31(3):661-673.
3. Mills, Jr., W.L. 1987. Expert Systems: Applications in the Forest Products Industry. *Forest Products Journal* 37(9):40-44.
4. Mills, Jr., W.L. 1988. Forest Land: Investment Attributes and Diversification Potential. *Journal of Forestry* 86(1):19-24.
5. Mann*, M.P., H.A. Holt, W.R. Chaney, W.L. Mills & R.L. Mckenzie. 1995. Tree Growth Regulators Reduce Line Clearance Trimming Time. *Journal of Arboriculture* Vol 21(4): 209-212.
6. Nagubadi*, V., K.T. McNamara, W.L. Hoover & W.L. Mills, Jr. 1996. Program Participation Behavior of Nonindustrial Forest Landowners: A Probit Analysis. *Journal of Agricultural and Applied Economics* 28, 2(December): 323-336.
7. Gillespie*, A.R., W.K. Rawlins, W.L. Mills, Jr. P.R. Coppin, M. Olsson, K. Rosen, C. Fries, P. Backstrom, E. Agestam and T. Magnusson. 1998. Teaching across Cultures A Model for International Education in the Natural Resources. *Journal of Forestry* 96(2):20-24.
8. Shao*, Gufan, Huazhong Zhu and W.L. Mills*, Jr.. 2000. An Algorithm for Automatted Map Processing Prior to Georegistration. *Journal of Geographic Information Science* Vol 6(1): 97-101.1-5.
9. Chivoiu*, B., G. Shao, J. Moser & W.L. Mills. 2006. ArcFVS: An Integration of a Geographic Information System and Forest Vegetation Simulator. Science in China. Accept, published 2006.

Other Publications

1. Mills, Jr., W.L. 1981. Book review of David H. Jackson's "The Microeconomics of the Timber Industry," *American Journal of Agricultural Economics* 63(2):405-406.
2. Mills, Jr., W.L. 1982. "Investors Are Attracted to Real Value of Timberland." *Alabama Forests* 24(8):13-15.

3. Mills, Jr., W.L. 1983. "The Land Purchase Decision" Proceedings of Forestry as an Investment Short Course. Alabama Cooperative Extension Service, Department of Forestry, Auburn University.
4. Mills*, Jr., W.L. and R.A. Tufts. 1983. "Financial Analysis: A General Approach to Selection, Replacement, and Machine Cost Problems." Proceedings of the Second Biennial Southern Silvicultural Research Conference, November 4-5, 1982, Atlanta, Georgia. USDA Forest Service, Southeastern Forest Experiment Station, General Technical Report GE-24, pp. 253-259.
5. Mills*, Jr. W.L. and D.B. South. 1984. "Production Costs in Southern Bare-Root Nurseries". Tree Planter's Notes 35(3):19-22.
6. Meldahl*, R.S., S. D. Shnitzler, and W. L. Mills, Jr. 1984. "Wildfire in forests may have small economic impact", Highlights of Agricultural Research 34(4):12. Alabama Agricultural Experiment Station, Auburn University, Alabama.
7. Reisinger*, T.W. and W. L. Mills, Jr. 1985. "Indiana's Average Logger?". The L.T.B. Bulletin Volume XIII, July 2, 1985. Department of Natural Resources, State of Indiana.
8. Mills*, Jr., W. L. and T. W. Reisinger. 1985. "A Profile of Indiana's Loggers." Indiana Forest Products Marketing and Wood Utilization Report, Bulletin No. 181:19-20.
9. Mills, Jr., W. L. 1986. "Investments: Objectives, Vehicles, and Strategies". Proceedings of Assessing Timberland Investment Opportunities Conference, pages 91-97, September 30 - October 2, 1985, Atlanta, Georgia. Sponsored by the Forest Products Research Society, Madison, Wisconsin.
10. Mills, Jr., W. L. 1987. "Expert Systems in Forest Resources Management". Proceedings of the 1985 Symposium on Systems Analysis in Forest Resources, pages 349-362. Georgia Center for Continuing Education, The University of Georgia, Athens, Georgia.
11. Mills*, Jr., W.L., J.M. Vasievich, and W.L. Hoover. 1987. "Timberland Investment Options in the North, South, and Between." Proceedings: Joint Meeting of the Midwest Forest Economists and Southern Forest Economists, pages 56-62, Asheville, NC, April 8-10, 1987.
12. Behrens-Tepper*, J.C., J.T. O'Leary and W.L. Mills, Jr. 1987. "Nonconsumptive Wildlife Use in the Midwest and Southeast: Regional Funding Attitudes and Implications for Forestry." Proceedings: Joint Meeting of the Midwest Forest Economists and Southern Forest Economists, pages 177-187, Asheville, NC, April 8-10, 1987.
13. Mills*, Jr., W.L., B.C. Fischer and T.W. Reisinger. 1987. Upland Hardwood Silviculture: A Review of the Literature. Station Bulletin #527. 29p.
14. Mills*, Jr., W.L., J.M. Vasievich, and W.L. Hoover. 1987. Timber Investments in the Eastern United States. Proceedings of the 1987 Society of American Foresters National Convention, pages 339-342, October 18-21, Minneapolis, MN.
15. Mills*, Jr., W.L., and T.W. Reisinger. 1988. Using Expert systems for Procurement Decisions. In Current Challenges to Traditional Wood Procurement Practices. Forest Products Research Society, Madison Wisconsin. pages 91-94.

16. Mills, Jr., W.L., J.T. O'Leary, A.M. Piechota*, A. Spacie. 1990. Lake Michigan Marina Study: Review of Fisheries and Social Effects, Prepared for Division of Fish and Wildlife, The Indiana Department of Natural Resources, Department of Forestry and Natural Resources, Purdue University, West Lafayette, IN. 84 pages.
17. Johnston*, J. M. and W. L. Mills, Jr. 1991. A Knowledge-based System for Agroforestry Tree Selection in Indiana. Proceedings of the 2ND Conference on Agroforestry in North America, Springfield, MO. pages 79-83.
18. Vasievich*, J. M., W.L. Mills, Jr. and Heidi R. Cherry. 1997. Hardwood Timber Sales on State Forests in Indiana: Characteristics Influencing Costs and Prices. Proceedings 11th Central Hardwood Research Conference. USDA Forest Service, GTR NC-188, pages 118-128.
19. Sidor*, Timour and W.L. Mills*, Jr. 1999. "Financial Maturity of Central Hardwoods: Theoretical and Empirical Issues." *Timberland Investments: Improving the Odds*. Proceeding of the 1999 Southern Forest Economics Workshop Biloxi Mississippi. April 18-20, 1999. Department of Forestry, Forest and Wildlife Research Center, Mississippi State University.

Unpublished Papers at Scientific and Professional Meetings

1. Mills, Jr., W.L. 1981. "A Possible Rationale for Forest Investment." Paper presented at the Problem in Forest and Land Economics session, 1981, Annual Conference of the Southern Economics Association, November 5, 1981, New Orleans, Louisiana.
2. Flick, W. A. and W. L. Mills, Jr. 1981. "Financing Regeneration Through Public Programs" Presented at the 1981 Annual meeting Alabama Society of American Foresters, November 4, 1981 Selma, Alabama.

Invited Presentations

- 4/82 - "Investor Opportunities in Forest Land Ownership." Presented at Alabama Chapter, Farm and Land Institute, National Association of Realtors, Eleventh Annual Conference, April 8-9, 1982, Auburn, Alabama.
- 7/82 - "Profits from Intensive Forestry Management." Presented at the Alabama Farm Bureau Federation's 1982 Southern Commodity Producers Conference, July 29, 1982, Birmingham, Alabama.
- 9/82 - "Equipment Replacement Decisions." Timber Harvesting Short Course, September 13-17, 1982, Forestry and Harvesting Training Center, Gulf Park Campus, Long Beach, Mississippi.
- 10/85 - "Investments: Objectives, Vehicles, and Strategies". Presented at Assessing Timberland Investment Opportunities Conference, September 30-October 2, 1985. Atlanta, Georgia. Sponsored by the Forest Products Research Society, Madison, Wisconsin.
- 9/87 - "Using Expert systems for Procurement Decisions". Presented at Current Challenges to Traditional Wood Procurement Practices Conference, September 30, 1987. Atlanta, GA. Sponsored by the Forest Products Research Society, Madison Wisconsin.
- 10/87 - "Timber Investments in the Eastern United States". Presented at the 1987 Society of American Foresters National Convention, October 21, 1987. Minneapolis, MN.

- 3/88 - "Timber Investments in the Eastern United States". Presented at the 1988 Midwinter Meeting of the Indiana Society of American Foresters, February 18, 1988. Indianapolis, IN.
- 4/88 - "Managing Upland Hardwoods in the Central States: Today's Knowledge, Tomorrow's Potential". Presented at the 18th Forestry Forum of the School of Forestry and Wildlife Resources, Virginia Tech, April 22, 1988. Blacksburg, VA.
- 5/90 - "1990 Farm Bill Relationship to Forestry Assistance Programs". Presented at the Private Woodland Productivity Workshop, May 21, 1990, Purdue University, West Lafayette, IN.
- 7/92 - "Economics of Forest Improvement Practices". Presented at the Summer Meeting of the Indiana Society of American Foresters. July 15, 1992. Wabash, IN.

Research Interests and Direction

Professor Mills current interests are in forestry education and the assessment of student learning and adoption of appropriate teaching methods to enhance learning. He is expanding and assessing the use of collaborate and group learning to improve learning and student's critical thinking and problem solving abilities. He has also been involved, as a forest economist, with research seeking to understand the management and investment behavior of forest landowners and in the application of GIS in forest management.

ENGAGEMENT

Professor Mills has served on the following committees:

Timberland Owner/Timber Management Committee, Alabama River Woodlands, Inc. 1981-1982.

Planning Committee Small Forest Landowner Forums, Alabama Legislative Forestry Study Committee. 1982-1983.

Panelist, Private Forest Land Group, Governor's Conference on Forest Resources and Wood-using Industries. State of Indiana 1984.

Purdue University

Fellowship Committee. 1984-1985

Purdue University, 1987-90

University Senate's Student Affairs Committee, 1987-90.

University Committee on Scholastic Delinquences and Radmissions 1999-2007.

Advising Outcomes and Assessment 2006-07

College of Agriculture

Steering Committee, 1985

Grievance Committee, 1991

Student Relations and Curriculum Committee – 1996-98, 2005-2006

Outcomes Based Curriculum Imporvement Committee 2005-2007

Department of Forestry and Natural Resources

Computer Committee, 1983 – current; Chairman, 1989-90 & 1991-92.

Planning Committee. 1986

Department Head Search Committee 1987-88

Visiting Scientist Committee, 1990-92.

Woodlands Management Committee, 1990-92
Curriculum Committee 1983-1990, 1996 - current
Awards Committee 1996-present

Newsletter Editor IUFRO Working Party S4.11.03 Computers 1986-1990

Indiana Society of American Foresters,
Chair-elect 1991
Chair 1992

Lectures and Talks

- 4/81 - "1980 Packwood Reforestation Tax Bill." Presented to the Black Warrior Chapter, Society of American Foresters, April 14, 1981, Tuscaloosa, Alabama
- 7/82 - "Characteristics of Forest Landowner's Participating in the Alabama Forest Landowner Forum Alabama Legislative Forestry Study Committee
- 6/83 - "Nursery Economics: Why Is It Needed and How Can It Be Useful?", Auburn University Southern Forest Nursery Management Cooperative, June 21-23, 1983. Selma, Alabama.
- 10/84 - "Basics of Financial Analysis" and "Financial Maturity", Financial Analysis for Foresters Continuing Education Course, October 4, 1984 West Lafayette, Indiana
- 1/86 - "Comparing Timberland to Other Investments", Forestry and Natural Resources Program, 1986 Farm Science Days, January 15, 1986, Purdue University.
- 2/86 - "Expert Systems in Forestry", Forest Resources Seminar, February 13, 1986 Department of Forestry and Natural Resources, Purdue University.
- 4/87 - "Timberland Investments: North, South and Between." Joint Meeting of MWFE and SoFEW, April 9, 1987, Asheville, NC.
- 4/87 - "Nonconsumptive wildlife use in the Midwest and Southeast: Regional funding attitudes and implications for forestry." Joint meeting of MWFE and SoFEW, April 10, 1987, Asheville, NC.
- 10/87 - "Using Knowledge-Based Technology in Wood Procurement Management." 1987 Forest Products Research Conference, USFS Forest Products Laboratory, October 7, 1987, Madison, WI.
- 1/88 - "Timber Investments in the Eastern United States". Forest Resources Seminar. January 28, 1988, Department of Forestry and Natural Resources, Purdue University.
- 2/89 - "Expert Systems and Forest Management." AI in Forestry Workshop, February 15-16, 1989, Clemson, South Carolina.
- 9/90 - "Flatwood Growth and Yield - Woods B1 Results 1985-1990". SEPAC Forester's Field Day Bulterville, IN.

Extension Publications

1. Mills, Jr., W.L. and J.C. Callahan (ed). 1978. "Laws Influencing the Private Woodland Owner in Indiana," FNR-83, Cooperative Extension Service, Department of Forestry and Natural Resources, Purdue University.
2. Mills, Jr., W.L. and B.C. Fischer. 1979. "The Economics of Timber Stand Improvements," FNR-86, Cooperative Extension Service, Department of Forestry and Natural Resources, Purdue University.
3. Mills, Jr., W.L. and J.C. Callahan. 1979. "Forestry and Wildlife Management Assistance Programs Available to Indiana Woodland Owners," FNR-87, Cooperative Extension Service, Department of Forestry and Natural Resources, Purdue University.
4. Mills, Jr., W.L. and J.C. Callahan. 1979. "Financial Maturity: A guide to when trees should be harvested," FNR-91, Cooperative Extension Service, Department of Forestry and Natural Resources, Purdue University.