

Todd A. Morgan, CF

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Education

Master of Science in Forestry, The University of Montana, December 1999

Bachelor of Science in Forest Science, The Pennsylvania State University, May 1997

Bachelor of Arts in Philosophy, The Pennsylvania State University, December 1993

Professional Experience

September 2007 – Present, ***Research Assistant Professor, Director of Forest Industry Research, and Associate Director***, Bureau of Business and Economic Research, The University of Montana, Missoula, MT

- Direct forest industry research program with approximately \$2 million in active grants, six employees, and projects in 12 western states
- Coordinate budgets and research activities with grantors, cooperators, and University and agency administrators
- Publish and present research findings and responded to information requests from state and federal agencies, consultants, trade associations, non-governmental organizations, elected officials, and private citizens
- Cooperate with US Forest Service, Forest Inventory and Analysis Program, providing timber product output and industry data for Interior West and Pacific Northwest regions
- Present an eight-city series of annual economic outlook seminars on Montana's forest products and manufacturing industries
- Prepare quarterly and annual press releases on Montana and Idaho forest industry
- Serve on Masters-level thesis committee in Forestry
- Represent BBER at Business School and University administrative and social functions

June 2004 – August 2007, ***Assistant Director of Forest Industry Research***, Bureau of Business and Economic Research, The University of Montana, Missoula, MT

- Managed forest industry research program, including: proposal and budget development, project design and implementation, data handling and analysis, report writing and publishing, and supervision of six full-time and two part-time employees
- Conducted mill censuses in the Rocky Mountain and Pacific Coast regions, logging-utilization studies in the western states, and quarterly log price, production, and employment surveys of Montana's wood products manufacturers
- Presented research findings and responded to information requests from clients

- Liaison with US Forest Service Forest Inventory and Analysis programs at the Rocky Mountain and Pacific Northwest Research Stations, providing data and stakeholder input on timber product output, land ownership, data analysis, and reporting

June 2001 – May 2004, **Research Forester**, Bureau of Business and Economic Research, The University of Montana, Missoula, MT

- Conducted forest industry research, including: mill censuses; analyses of restoration and fire-hazard reduction treatments; investigations of timber-processing capacity, timber harvest and use, and wood products manufacturing; logging-utilization studies; and quarterly surveys of wood products manufacturers
- Coordinated forest industry surveys and database re-development

May 2000 – June 2001, **Research Silviculturist**, Texas Forest Service, Lufkin, TX

- Designed, conducted, and reported on silviculture research focusing on southern yellow pines in east Texas, including tree planting density and spacing, herbicide treatments, drought response, pre-commercial and commercial thinning, and ice damage
- Inventoried forest resources, developed silvicultural systems, and assisted with the preparation of management plans for parcels on a variety of ownerships

January 2000 – April 2000, **Forest Research Specialist**, School of Forestry and Bureau of Business and Economic Research, The University of Montana, Missoula, MT

- Assisted faculty with field and survey-based data collection and analysis, including: mortality surveys, plot re-measurements, seedling counts, and industry questionnaires
- Prepared research publications on the forest products industry and tree mortality

May 1999 – August 1999, **Forestry Technician**, Lubrecht Experimental Forest, Greenough, MT

- Surveyed forest stands and roads, inventoried and marked timber for harvest, and maintained boundary lines
- Assisted Forest Supervisor with developing silvicultural prescriptions and marking instructions

May 1995 – August 1995, **Forest Pathology Technician**, USDA Forest Service, Northeast Forest Experiment Station, Morgantown, WV

- Surveyed permanent plots throughout West Virginia University Experimental Forest for *Armillaria* root rot study
- Collected soil samples, excavated and examined live tree root collars for fungal infection, and autopsied cut stumps

Student Research and Teaching Experience

May 1999 – August 1999, **Graduate Teaching Assistant**, Natural Resources Measurements Camp, School of Forestry, The University of Montana, Missoula, MT

- Supervised and taught 25-35 sophomores at two two-week forest mensuration camps

- Led team-building exercises and taught field modules including: orienteering and GPS, dendrology, tree and stand measures, introduction to soils, insect and disease identification, wildlife habitat evaluation, and campsite impact monitoring

January 1998 – December 1999, **Graduate Silviculture Research Assistant**, School of Forestry, The University of Montana, Missoula, MT

- Designed, implemented, and published an investigation of old-growth ponderosa pine on state lands in central Montana
- Inventoried and analyzed tree-, stand-, and landscape-level characteristics including spatial distribution, radial growth, and age
- Presented study findings and management suggestions to Montana DNRC foresters

September 1997 – December 1998, **Graduate Teaching Assistant**, Ethics and Public Land Management, School of Forestry, The University of Montana, Missoula, MT

- Lectured, wrote and graded tests, graded and critiqued papers, and led classroom discussions for 50-60 college seniors on topics including: deep ecology, efficiency theory, human and animal rights, the Land Ethic, and utilitarianism
- Coached a team of four School of Forestry seniors in University of Montana Ethics Bowl

May 1996 – June 1997, **Undergraduate Forest Ecology Research Assistant**, School of Forest Resources, The Pennsylvania State University, University Park, PA

- Assisted PhD candidate with dendrochronological studies of Pennsylvania old-growth forests and responses of hardwood trees to drought
- Prepared and measured increment cores and analyzed annual radial increments and ages with WinDendro software and flatbed scanner

January 1996 – May 1996, **Undergraduate Teaching Assistant**, Introduction to Soils, Soil Science Department, The Pennsylvania State University, University Park, PA

- Assisted graduate teaching assistant with weekly soils lab section of 24 college juniors
- Lectured, demonstrated techniques and use of equipment, and graded lab reports, final land-use projects, and presentations

Grants

- PI, ***Pacific States Forest Industry and Timber Harvest Analysis***, a cooperative research agreement with the USDA Forest Service, Pacific Northwest Research Station, Portland, OR, to conduct a comprehensive analysis of the primary forest products industry in Alaska, California, Hawaii, Oregon, and Washington by examining trends in wood products, industry structure, source of timber supply, and employment (\$452,590). Project completion date June 2013.
- PI, ***Conversion and Recovery Trends in the Western U.S. Sawmill Industry***, a cooperative research agreement with the USDA Forest Service, Pacific Northwest Research Station, Portland, OR, to provide updated estimates of the amount of mill

residue and lumber created from processing timber, with volumes reported in various units of measure (\$40,000). Project completion date December 2011.

- Co-PI, ***Inland Northwest Forest Products Research Consortium 2010***, (proposed) a cooperative state research, education, and extension service sub-award to bring together the Bureau of Business and Economic Research at The University of Montana, the Forest Products Laboratory at the University of Idaho, and the Wood Material and Engineering Laboratory at Washington State University to address research questions involving forest products in the Inland Northwest region (UM share \$91,416). Proposed completion date July 2011.
- PI, ***On-going Timber Product Output, Removal, and Forest Industry Analysis for the Interior West States***, a cooperative research agreement with the USDA Forest Service, Rocky Mountain Research Station, Ogden, UT, to provide a comprehensive analysis of timber use and impact on timber inventory in the Rocky Mountain region (\$884,873). Project completion date April 2011.
- Co-PI, ***Inland Northwest Forest Products Research Consortium 2008***, a cooperative state research, education, and extension service sub-award to bring together the Bureau of Business and Economic Research at The University of Montana, the Forest Products Laboratory at the University of Idaho, and the Wood Material and Engineering Laboratory at Washington State University to address research questions involving forest products in the Inland Northwest region (UM share \$110,000). Project completion date August 2010.
- PI, ***Idaho Logging Utilization***, a cooperative research agreement with the USDA Forest Service, Rocky Mountain Research Station, Ogden, UT, to study and report on the quantities of logging residue generated while harvesting timber (\$121,491). Project completion date December 2010.
- PI, ***Western Managers' Knowledge and Use of Available Economic and Financial Biomass Information***, a cooperative research agreement with the USDA Forest Service, Forest Products Laboratory, Madison, WI, to provide synthesis of information products available to federal land managers to enhance their understanding of economics of wood removed in fire hazard reduction treatments (\$131,374). Project completion date December 2009.
- Co-PI, ***Inland Northwest Forest Products Research Consortium 2006***, a cooperative state research, education, and extension service sub-award to bring together the Bureau of Business and Economic Research at The University of Montana, the Forest Products Laboratory at the University of Idaho, and the Wood Material and Engineering Laboratory at Washington State University to address research questions involving forest products in the Inland Northwest region (UM share \$115,102). Project completion date August 2009.
- Co-PI, ***Alaska, California, and Oregon Forest Industry Analysis***, a cooperative research agreement with the USDA Forest Service, Pacific Northwest Research Station, Portland, OR, to conduct a comprehensive analysis of the primary forest products

industry in Alaska, Oregon, and California, examining trends in products, industry structure, source of supply, and employment (\$374,534). Project completed May 2009.

- Co-PI, ***Inland Northwest Forest Products Research Consortium 2005***, a cooperative state research, education, and extension service sub-award to bring together The University of Montana, the University of Idaho, and Washington State University to address research questions involving forest products in the Inland Northwest region (UM share \$110,814). Project completed August 2008.
- Co-PI, ***Analysis of the Wood Products Industry's Capacity to Utilize Timber***, a challenge cost-share agreement with the USDA Forest Service, Inventory and Monitoring Institute, Missoula, MT, to estimate Region One's forest products industry's capability to utilize and adjust to a changing raw material supply (\$151,865). Project completed July 2008.
- Co-PI, ***Forest Market Census & Analysis of California and Oregon***, a cooperative research agreement with the USDA Forest Service, Pacific Northwest Research Station, Portland, OR, to develop timber removals and logging utilization information for California (\$113,950). Project completed September 2006.
- Co-PI, ***Inland Northwest Forest Products Research Consortium 2004***, a cooperative state research, education, and extension service sub-award to bring together The University of Montana, the University of Idaho, and Washington State University to address research questions involving forest products in the Inland Northwest region (UM share \$99,186). Project completed July 2006.
- Co-PI, ***On-going Timber Product Output, Removal, and Forest Industry Analysis for the Interior West States***, a cooperative research agreement with the USDA Forest Service, Rocky Mountain Research Station, Ogden, UT, to provide a comprehensive analysis of timber use and impact on timber inventory in the Rocky Mountain region (\$539,024). Project completed June 2006.
- Co-PI, ***Inland Northwest Forest Products Research Consortium 2003***, a cooperative state research, education, and extension service sub-award to bring together The University of Montana, the University of Idaho, and Washington State University to address research questions involving forest products in the Inland Northwest region (UM share \$108,578). Project completed August 2005.
- Co-PI, ***Inland Northwest Forest Products Research Consortium 2002***, a cooperative state research, education, and extension service sub-award to bring together The University of Montana with the University of Idaho and Washington State University to address research questions involving forest products in the Inland Northwest region (UM share \$118,168). Project completed June 2005.
- Co-PI, ***Pacific Resource Inventory Monitoring and Evaluation***, a cooperative research agreement with the USDA Forest Service, Pacific Northwest Research Station, Portland, OR, to provide a comprehensive analysis of the timber-using industry in California and Oregon (\$134,719). Project completed June 2004.

Peer-reviewed Publications

- Morgan, T.A.**, C.E. Keegan, J.P. Brandt. (In review) Employment and labor income per volume of timber for the U.S. Forest Products Industry. *Journal of Forestry*.
- Brandt, J.P., **T.A. Morgan**, M.T. Thompson. 2009. Wyoming's forest products industry and timber harvest, 2005. *Resour. Bull. RMRS-RB-9*. Fort Collins, CO: U.S. Department of Agriculture, Forest Service, Rocky Mountain Research Station. 28p.
- Halbrook, J.M., **T.A. Morgan**, J.P. Brandt, C.E. Keegan, T. Dillon and T. Barrett. 2009. Alaska's timber harvest and forest products industry, 2005. *Gen. Tech. Rep. PNW-GTR-787*. Portland, OR: USDA, Forest Service, Pacific Northwest Research Station. 30p.
- Morgan, T.A.**, T. Johnson and R. Piva. 2009. Removals, timber products, and residues. In: Smith, W.B., P.D. Miles, C.H. Perry and S.A. Pugh, coord. 2009. *Forest Resources of the United States, 2007*. *Gen. Tech. Rep. WO-78*. Washington, DC: USDA, Forest Service, Washington Office. 336p.
- Morgan, T.A.** and C.E. Keegan. 2008. California's primary forest products industry. In: Christensen, G.A., S.J. Campbell, J.S. Fried, tech. eds. 2009. *California's forest resources, 2001-2005: five-year Forest Inventory and Analysis report*. *Gen. Tech. Rep. PNW-GTR-763*. Portland, OR: USDA, Forest Service, Pacific Northwest Research Station. 183p.
- Morgan, T.A.** and C.E. Keegan. 2008. Removals for timber products. In: Christensen, G.A., S.J. Campbell, J.S. Fried, tech. eds. 2009. *California's forest resources, 2001-2005: five-year Forest Inventory and Analysis report*. *Gen. Tech. Rep. PNW-GTR-763*. Portland, OR: USDA, Forest Service, Pacific Northwest Research Station. 183p.
- J.P. Brandt and **T.A. Morgan**. 2008. Oregon's primary forest products industry. In: Donnegan, J., S. Campbell, D. Azuma, tech. eds. 2009. *Oregon's forest resources, 2001-2005: five-year Forest Inventory and Analysis report*. *Gen. Tech. Rep. PNW-GTR-765*. Portland, OR: USDA, Forest Service, Pacific Northwest Research Station. 186p.
- Morgan, T.A.** and J.P. Brandt. 2008. Removals for timber products. In: Donnegan, J., S. Campbell, D. Azuma, tech. eds. 2009. *Oregon's forest resources, 2001-2005: five-year Forest Inventory and Analysis report*. *Gen. Tech. Rep. PNW-GTR-765*. Portland, OR: USDA, Forest Service, Pacific Northwest Research Station. 186p.
- Spoelma, T.P., **T.A. Morgan**, T. Dillon, A.L. Chase, C.E. Keegan and L.T. DeBlander. 2008. Montana's forest products industry and timber harvest, 2004. *Resour. Bull. RMRS-RB-8*. Fort Collins, CO: USDA, Forest Service, Rocky Mountain Research Station. 36p.
- Morgan, T.A.** and T.P. Spoelma. 2008. California logging utilization, 2004. *Western Journal of Applied Forestry* 23 (1): 12-18.

- Carroll, M.S., K.A. Blatner, P.J. Cohn and **T.A. Morgan**. 2007. Managing fire danger in the forests of the US inland northwest: a classic "wicked problem" in public land policy. *Journal of Forestry* 105 (5): 239-244.
- Brandt, J.P., **T.A. Morgan**, T. Dillon, G. J. Lettman, C.E. Keegan, and D.L. Azuma. 2006. Oregon's forest products industry and timber harvest, 2003. Gen. Tech. Rep. PNW-GTR-681. Portland, OR: USDA, Forest Service, Pacific Northwest Research Station. 53p.
- Keegan, C.E., **T.A. Morgan**, K.M. Gebert, J.P. Brandt, K.A. Blatner and T.P. Spoelma. 2006. Timber-processing capacity and capabilities in the Western United States. *Journal of Forestry* 104 (5): 262-268.
- Morgan, T.A.**, T. Dillon, C.E. Keegan, A.L. Chase and M.T. Thompson. 2006. The Four Corners timber harvest and forest products industry, 2002. Resour. Bull. RMRS-RB-7. Fort Collins, CO: USDA, Forest Service, Rocky Mountain Research Station. 63p.
- Morgan, T.A.**, T.P. Spoelma, C.E. Keegan, A.L. Chase and M.T. Thompson. 2005. Montana logging utilization, 2002. Research Paper RMRS-RP-52. Fort Collins, CO: USDA, Forest Service, Rocky Mountain Research Station. 12p.
- Morgan, T.A.**, T.P. Spoelma, C.E. Keegan, A.L. Chase and M.T. Thompson. 2005. Wyoming's forest products industry and timber harvest, 2000. Resour. Bull. RMRS-RB-5. Fort Collins, CO: USDA, Forest Service, Rocky Mountain Research Station. 25p.
- Keegan, C.E., **T.A. Morgan**, F.G. Wagner, P.J. Cohn, K.A. Blatner, T.P. Spoelma and S.R. Shook. 2005. Capacity for utilization of USDA Forest Service, Region 1 small-diameter timber. *Forest Products Journal* 55 (12): 143-147.
- Morgan, T.A.**, C.E. Keegan, T. Dillon, A.L. Chase, J.S. Fried and M.N. Weber. 2004. California's forest products industry: a descriptive analysis. Gen. Tech. Rep. PNW-GTR-615. Portland, OR: USDA, Forest Service, Pacific Northwest Research Station. 54p.
- Morgan, T.A.**, C.E. Keegan, T.P. Spoelma, T. Dillon, A.L. Hearst, F.G. Wagner and L.T. DeBlander. 2004. Idaho's forest products industry: a descriptive analysis. Resour. Bull. RMRS-RB-4. Fort Collins, CO: USDA, Forest Service, Rocky Mountain Research Station. 31p.
- Keegan, C.E., C.E. Fiedler and **T.A. Morgan**. 2004. Wildfire in Montana: potential hazard reduction and economic effects of a strategic treatment program. *Forest Products Journal* 54 (7/8): 21-25.
- Fiedler, C.E., C.E. Keegan, C.W. Woodall, and **T.A. Morgan**. 2004. A strategic assessment of crown fire hazard in Montana: potential effectiveness and costs of hazard reduction treatments. Gen. Tech. Rep. PNW-GTR-622. Portland, OR: USDA, Forest Service, Pacific Northwest Research Station. 48p.
- Keegan, C.E., **T.A. Morgan**, A.L. Hearst and C.E. Fiedler. 2004. Impacts of the 2000 wildfires on Montana's forest industry employment. *Forest Products Journal* 54 (7/8): 26-28.

- Morgan, T.A.**, C.E. Fiedler, and C. Woodall. 2002. Characteristics of dry site old-growth ponderosa pine in the Bull Mountains of Montana, USA. *Natural Areas Journal* 22:11-19.
- Fiedler, C.F. and **T.A. Morgan**. 2002. Mortality as a source of coarse woody debris in managed stands. In: *Proceedings of the ecology and management of dead wood in western forests*, The Wildlife Society; 1999 November 2-4; Reno, NV. Gen. Tech. Rep. PSW-GTR-181. Albany, CA: USDA, Forest Service, Pacific Southwest Research Station. 949p.
- Keegan, C.E., A.L. Chase, **T.A. Morgan**, S.E. Bodmer, D.D. Van Hooser, and M. Mortimer. 2001. Arizona's forest products industry: a descriptive analysis 1998. The University of Montana-Missoula, Bureau of Business and Economic Research, Missoula, MT. 20p.
- Keegan, C.E., A.L. Chase, **T.A. Morgan**, S.E. Bodmer, D.D. Van Hooser, and M. Mortimer. 2001. New Mexico's forest products industry: a descriptive analysis 1997. The University of Montana-Missoula, Bureau of Business and Economic Research, Missoula, MT. 24p.
- Keegan, C.E., K. Gebert, A.L. Chase, **T.A. Morgan**, S.E. Bodmer, D.D. Van Hooser. 2001. Montana's forest products industry: a descriptive analysis 1969-2000. The University of Montana-Missoula, Bureau of Business and Economic Research, Missoula, MT. 67p.
- Abrams, M.D., C.M. Ruffner, and **T.A. Morgan**. 1998. Tree-ring responses to drought across species and contrasting sites in the ridge and valley of central Pennsylvania. *Forest Science* 44(4): 550-558.

Other publications

- Morgan, T.A.** 2009. An Assessment of Forest-based Woody Biomass Supply and Use in Montana. Report submitted to Montana Department of Natural Resources and Conservation, Missoula, MT. 22p.
- Morgan, T.A.** and C.E. Keegan. 2009. Montana's forest products industry: current conditions and 2009 forecast. *Montana Business Quarterly*, Vol. 47, No.1.
- Brandt, J.P., **T.A. Morgan**, C.E. Keegan, F.G. Wagner, and S.R. Shook. 2009. Idaho's forest products industry: current conditions and forecast 2009. Idaho Forest, Wildlife and Range Experiment Station, Moscow, ID. Station Bulletin 92 4p.
- Morgan, T.A.** 2009. Employment and Labor Income in Montana's Forest Products Industry: Current Conditions and Potential Impacts of a Revolving Loan Fund. Report submitted to Missoula Area Economic Development Corporation, Missoula, MT. 8p.
- Morgan, T.A.** 2009. Timber Availability and Wood Products Markets: Impacts on Montana's Forest Products Industry. Report submitted to Missoula Area Economic Development Corporation, Missoula, MT. 8p.
- Healey, S.P., **T.A. Morgan**, J.M. Songster, and J.P. Brandt. 2009. Determining landscape-level carbon emissions from historically harvested forest products. In: McWilliams,

Will; Moisen, Gretchen; Czaplewski, Ray, comps. 2009. 2008 Forest Inventory and Analysis (FIA) Symposium; October 21-23, 2008; Park City, UT. Proc. RMRS-P-56CD. Fort Collins, CO: U.S. Department of Agriculture, Forest Service, Rocky Mountain Research Station. 11p.

- Morgan, T.A.**, C.E. Keegan, and J.P. Brandt. 2008. Employment and labor income direct response coefficients for the U.S. forest products industry. Report submitted to USDA Forest Service, Forest Inventory and Monitoring Institute and Planning Analysis Group, Fort Collins, CO. 13 p.
- Brandt, J.P., **T.A. Morgan**, C.E. Keegan, S.R. Shook, and F.G. Wagner. 2008. Idaho's forest products industry: current conditions and 2008 forecast. Idaho Forest, Wildlife and Range Experiment Station, Moscow, ID. Station Bulletin 89 4p.
- Morgan, T.A.**, C.E. Keegan, and J.P. Brandt. 2008. Montana's forest products industry: current conditions and 2008 forecast. Montana Business Quarterly, Vol. 46, No.1.
- Keegan, C.E., T. Dillon, J.P. Brandt, and **T.A. Morgan**. 2007. Montana's forest products industry: current conditions and 2007 forecast. Montana Business Quarterly, Vol. 45, No.1. 31-32.
- Keegan, C.E., T. Dillon, **T.A. Morgan**, J.P. Brandt, J. Halbrook, and K.A. Blatner. 2006. Montana's forest products industry: current conditions and 2006 forecast. Montana Business Quarterly, Vol. 44, No.1. 33-35.
- Keegan, C.E. and **T.A. Morgan**. 2005. Montana's timber and forest products industry situation, 2004. Report submitted to Senator Max Baucus, Senator Conrad Burns, and Representative Dennis Rehberg, Washington, DC. 10p.
- Morgan, T.A.** and T.P. Spoelma. 2005. California logging utilization, 2004. Report submitted to USDA Forest Service, Forest Inventory and Analysis Program, Pacific Northwest Research Station, Portland, OR. 18p.
- Keegan, C.E., K.A. Blatner, T.P. Spoelma, J.P. Brandt, **T.A. Morgan**, P.J. Cohn, F.G. Wagner, and S.R. Shook. 2005. Timber use, processing capacity, and capability to utilize small-diameter timber within the USDA Forest Service, Eastern Washington timber-processing area. Report submitted to USDA Forest Service, Inventory and Monitoring Institute, Missoula, MT. 19p.
- Keegan, C.E., K.A. Blatner, T.P. Spoelma, J.P. Brandt, **T.A. Morgan**, and P.J. Cohn. 2005. Capacity and capability of mills in the Colville National Forest timber-processing area. Report submitted to USDA Forest Service, Inventory and Monitoring Institute, Missoula, MT. 7p.
- Keegan, C.E., K.A. Blatner, T.P. Spoelma, J.P. Brandt, **T.A. Morgan**, and P.J. Cohn. 2005. Capacity and capability of mills in the Okanogan-Wenatchee National Forest timber-processing area. Report submitted to USDA Forest Service, Inventory and Monitoring Institute, Missoula, MT. 7p.
- Keegan, C.E., K.A. Blatner, T.P. Spoelma, J.P. Brandt, **T.A. Morgan**, and P.J. Cohn. 2005. Capacity and capability of mills in the Umatilla National Forest timber-processing area.

Report submitted to USDA Forest Service, Inventory and Monitoring Institute, Missoula, MT. 7p.

Keegan, C.E., **T.A. Morgan**, J.P. Brandt, F.G. Wagner and K.A. Blatner. 2005. Montana's forest products industry. *Montana Business Quarterly*, Vol. 43, No.1. 31-32.

Keegan, C.E., **T.A. Morgan**, K.M. Gebert, J.P. Brandt, K.A. Blatner and T.P. Spoelma. 2004. Timber-processing capacity and capabilities in the Western U.S. Report submitted to USDA Forest Service, Resource Valuation and Use Research Program, Washington, DC. 36p.

Keegan, C.E., **T.A. Morgan** and T.P. Spoelma. 2004. Capacity and capability of mills in the Bitterroot National Forest timber-processing area. Report submitted to USDA Forest Service, Inventory and Monitoring Institute, Missoula, MT. 5p.

Keegan, C.E., **T.A. Morgan** and T.P. Spoelma. 2004. Capacity and capability of mills in the Flathead National Forest timber-processing area. Report submitted to USDA Forest Service, Inventory and Monitoring Institute, Missoula, MT. 5p.

Keegan, C.E., **T.A. Morgan** and T.P. Spoelma. 2004. Capacity and capability of mills in the Lolo National Forest timber-processing area. Report submitted to USDA Forest Service, Inventory and Monitoring Institute, Missoula, MT. 5p.

Keegan, C.E., **T.A. Morgan**, F.G. Wagner, K.J. Pavia, S.R. Shook, and K.A. Blatner. 2004. Idaho's forest products industry: current conditions and forecast, 2004. Idaho Forest, Wildlife and Range Experiment Station, Moscow, ID. Station Bulletin 81. 4p.

Keegan, C.E., S.R. Shook, **T.A. Morgan**, F.G. Wagner, and K.A. Blatner. 2003. Idaho's forest products industry: current conditions and forecast, 2003. Idaho Forest, Wildlife and Range Experiment Station, Moscow, ID. Station Bulletin 78. 4p.

Fiedler, C.E., C.E. Keegan, S.H. Robertson, **T.A. Morgan**, C.W. Woodall, and J. Chmelik. 2002. A strategic assessment of fire hazard in New Mexico. Report submitted to National Joint Fire Sciences Program, Boise, ID. 27p.

Keegan, C.E., **T.A. Morgan**, S.R. Shook, F.G. Wagner, and K.A. Blatner. 2002. Idaho's forest products industry: current conditions and forecast, 2002. Idaho Forest, Wildlife and Range Experiment Station, Moscow, ID. Station Bulletin 77. 4p.

Presentations, Posters, and Commentaries

Presentation: ***Montana Forest Products Conditions & Outlook***. Montana DNRC Spring Training, Missoula, MT. May 20, 2009.

Presentation: ***Montana Forest Biomass Supply: Challenges & Opportunities***. Montana Logging Association Annual Convention, Kalispell, MT. May 16, 2009.

Presentation: ***Montana's Forest Biomass Supply***. Montana Bioenergy Workshop, Missoula, MT. May 11, 2009.

- Presentation: ***Montana Forest Products Conditions & Outlook***. USDA Forest Service, Region One Timber Management Workshop, Missoula, MT. April 24, 2009.
- Presentation: ***Montana Forest Products Conditions & Outlook***. Forestry 341, UM-CFC, Missoula, MT. March 18, 2009.
- Presentation: ***Montana Forest Products Conditions & Outlook***. Plum Creek Timber, Missoula, MT. March 17, 2009.
- Presentation: ***Forest Industry Research at BBER***. SOBA Faculty Brown Bag Series, Missoula, MT. February 27, 2009.
- Presentation: ***Montana Forest Products Conditions & Outlook***. Libby Chapter, Society of American Foresters, Libby, MT. February 19, 2009.
- Presentation: ***Ethics and the SAF***. Montana Society of American Foresters Leadership Conference, Greenough, MT. January 31, 2009.
- Presentation: ***Montana Manufacturing & Forest Products: 2009 Outlook***. BBER Annual Economic Outlook Seminar Series, 8 cities in MT. January 26 to March 11, 2009.
- Poster: ***Synthesizing Economic and Financial Information Related to Biomass Removal***. Society of American Foresters National Convention, Reno, NV. November 7, 2008.
- Presentation: ***Ethics Workshop***. Society of American Foresters National Convention, Reno, NV. November 5, 2008.
- Presentation: ***Montana's Forest Products Industry***. Payne Financial Group Regional Meeting, Missoula, MT. October 13, 2008.
- Presentation: ***From the Forest to the Mills***. MSU Extension, Forestry Mini-College, Missoula, MT. October 4, 2008.
- Presentation: ***The Precarious Status of Montana's Forest Products Industry***. Montana Logging Association Annual Meeting, Missoula, MT. May 17, 2008.
- Presentation: ***California's Timber Harvest & Forest Products Industry***. Pacific Northwest FIA User Group Meeting, Sacramento, CA. May 13, 2008.
- Presentation: ***Montana's Forest Products Industry***. Montana DNRC Managers Meeting, Missoula, MT. May 7, 2008.
- Presentation: ***Montana's Forest Products Industry: Economics & Carbon***. Missoula City Council, Greenhouse Gas & Energy Conservation Team, Missoula, MT. April 10, 2008.
- Presentation: ***The Health of Montana's Forest Products Industry***. Smurfit-Stone Container Suppliers Meeting, Missoula, MT. April 4, 2008.
- Presentation: ***Timber Harvest, Forest Products & Carbon***. Interior West FIA User Group Meeting, Albuquerque, NM. February 27, 2008.

- Presentation: ***Montana's Forest Products Industry***. US Forest Service Region One, Timber Task Force Meeting, Kalispell & Clancy, MT. February 25 & 26, 2008.
- Presentation: ***Ethics and the SAF***. Flathead Chapter Society of American Foresters, Columbia Falls, MT. February 19, 2008.
- Presentation: ***Ethics and the SAF***. Montana Society of American Foresters Leadership Conference, Greenough, MT. February 8, 2008.
- Presentation: ***Ethics Workshop***. Society of American Foresters National Convention, Portland, OR. October 23, 2007.
- Presentation: ***Fire hazard reduction: traditional product opportunities***. Mechanical Fuels Training Session, Longmont, CO. March 8, 2007.
- Presentation: ***Logging utilization in Montana and California***. Inland Empire Forest Engineering Conference, Moscow, ID. March 6, 2007.
- Presentation: ***Timber products output and support of forest management***. Interior West FIA User Group Meeting, Missoula, MT. March 1, 2007.
- Public Radio Commentary: ***Roads in managed forests***. KUFM, Missoula, MT. December 6, 2006.
- Presentation: ***Logging utilization in Montana and California***. Society of American Foresters National Convention, 2006: Our Woods: Wild and Working, Pittsburgh, PA. October 27, 2006.
- Public Radio Commentary: ***Timber harvest on federal lands***. KUFM, Missoula, MT. March 29, 2006.
- Presentation: ***Fire hazard reduction: traditional product opportunities***. Mechanical Fuels Training Session, Salt Lake City, UT. January 26, 2006.
- Public Radio Commentary: ***Future priorities of the U.S. Forest Service***. KUFM, Missoula, MT. January 4, 2006.
- Presentation: ***Southern Utah's forest products industry***. Forest Restoration Partnership, Cedar City, UT. July 7, 2005.
- Presentation: ***Timber-processing capacity and small-diameter tree use in the Western U.S.*** Small Log Conference 2005: Creating Capacity to Compete, Coeur d'Alene, ID. March 31, 2005.
- Presentation: ***Forest products industry research in California and Oregon***. Pacific Northwest FIA 2005 Client's Meeting, Troutdale, OR. March 15, 2005.
- Presentation: ***The "Four Corners" forest products industry***. Interior West FIA User Group Meeting, Salt Lake City, UT. March 10, 2005; Santa Fe, NM. February 24, 2005.
- Presentation: ***The Idaho forest products industry***. Interior West FIA User Group Meeting, Coeur d'Alene, ID. March 8, 2005.

- Public Radio Commentary: ***Loss of forest land in the United States***. KUFM, Missoula, MT. February 2, 2005.
- Presentation: ***Fire hazard reduction: traditional product opportunities***. Mechanical Fuels Training Session, Reno, NV. January 27, 2005.
- Presentation: ***Montana's timber-processing capabilities***. Montana Forest Landowners, Helena, MT. January 13, 2005.
- Poster: ***Capacity and capability of existing mills to process small-diameter timber in the Rocky Mountain West***. Smallwood 2004: Creating Solutions for Using Small Trees, Sacramento, CA. May 18-21, 2004.
- Presentation: ***California's forest products industry***. Pacific Northwest FIA 2004 Client's Meeting, Sacramento, CA. March 18, 2004.
- Presentation: ***BBER and IW-FIA***. Interior West FIA User Group Meeting, Prescott, AZ. February 5, 2004.
- Presentation: ***A vision for sustaining and utilizing Montana's forests***. Governor's Conference: Crafting a Vision for Landowners and Managers of Montana's Forests, Helena, MT. May 13-14, 2002.
- Presentation: ***Describing old-growth ponderosa pine in central Montana***. Montana DNRC Forest Management Bureau Spring Training, Helena, MT. June 9, 1999.
- Presentation: ***Point Pattern Analysis of Old-Growth Ponderosa Pine***. The University of Montana, Mathematics Department, Missoula, MT, May 14, 1999.
- Presentation: ***The Subjective Nature of Science***. The University of Montana, School of Forestry, Missoula, MT, November 20, 1998.
- Poster: ***Tree-ring responses to drought across species and contrasting sites in the Ridge and Valley of central Pennsylvania***. Undergraduate and Graduate Research Exhibition, University Park, PA. March 18-19, 1997.

Certifications and Continuing Education

- Certified Forester (CF) #3688, Society of American Foresters, April 2006-Present
- Accounting Information Systems (Acct 310) and Intermediate Accounting I (Acct 311), The University of Montana, Autumn 2007, 3.85 GPA
- Advanced Forest Certification Auditing Workshop, Society of American Foresters National Convention, October 28, 2007
- Financial Accounting (Acct 201), Managerial Accounting (Acct 202), and Management and the Legal Environment of Business (Mgmt 540), The University of Montana, Summer 2007, 4.00 GPA
- MBA Essentials Certificate Program, School of Business Administration, The University of Montana, December 2006

Certified Forester Auditor Training workshop, Society of American Foresters National Convention, October 29, 2006

Society of American Foresters Leadership Academy, June 2006

Natural Resources Policy and Administration (Forestry 422), The University of Montana, Autumn 2004, 4.00 GPA

Society of American Foresters Leadership Academy, May 1999

Affiliations

Chair, Ethics Committee, Society of American Foresters, 2007-2008.

Member, National Ownership Team, Forest Inventory and Analysis Program, 2005-Present

Voting member, Forest Products Society, 2004-Present

Member, Society of American Foresters, 1996-Present

Chair and chair-elect, Missoula Chapter, Society of American Foresters, 2003-2005

Chair and chair-elect, Philosophy and History Working Group, Society of American Foresters, 1999-2002

Chair, Graduate Student Association, The University of Montana, 1998-1999

Secretary/Fiscal Agent, Eta Chapter, Xi Sigma Pi National Honorary Forestry Society, 1996-1997

Mentor, Pennsylvania Governor's School for Agricultural Sciences, summer 1996

Trail overseer, Mid State Trail Association, Boalsburg, PA, 1993-1997

Awards and Honors

Certificate of Appreciation, Pacific Northwest Research Station, Forest Inventory and Analysis Program, 2006

Working Group Merit Award, Society of American Foresters, 2002

Working Group Merit Award, Society of American Foresters, 1999

William G. Kohner Memorial Scholarship, The University of Montana, 1998

Penn State School of Forest Resources Outstanding Senior Award, 1997

Ferguson-Cope Forestry Award, The Pennsylvania State University, 1996/1997

Undergraduate Research Grant, The Pennsylvania State University, 1996/1997

Inductee, Xi Sigma Pi National Honorary Forestry Society, 1996

Inductee, Golden Key National Honor Society, 1996

Inductee, Gamma Sigma Delta Honor Society of Agriculture, 1996