

Yvette Dickinson

Assistant Professor of Silviculture
School of Forest Resources and Environmental Science
Michigan Technological University
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Education

- 2011 **Doctor of Philosophy (Ph.D.) in Forest Resources**, The Pennsylvania State University, Pennsylvania, United States
Dissertation: The influence of silvicultural management on forest structure
Supervisor: Dr. Eric Zenner
- 2008 **Master of Science (M.Sc.) in Environmental Science with first class honors**, University of Canterbury, Christchurch, New Zealand.
Thesis: The spatial patterning of *Hieracium pilosella* L. invaded short tussock grasslands
Supervisor: Dr. David Norton
- 2004 **Bachelor of Forestry Science (B.For.Sc.) with first class honors**, University of Canterbury, Christchurch, New Zealand.
Honors dissertation: The ecological management planning of native plants on plantation forest estates
Supervisor: Dr. David Norton

Professional and Teaching Experience

- Aug. 2014 – present
Assistant Professor of Silviculture, School of Forest Resources and Environmental Sciences, Michigan Technological University, Michigan, United States
- Jan. 2012 – July 2014
Temporary Assistant Professor, Colorado Forest Restoration Institute, Forest and Rangeland Stewardship, Colorado State University, Colorado, United States
- Aug. 2008 - Dec. 2011
Graduate Teaching Assistant, School of Forest Resources, The Pennsylvania State University, Pennsylvania, United States
- Feb. 2008 - Jun. 2008
Graduate Instructor, Laboratory Demonstrator and Research Assistant, School of Forestry, University of Canterbury, Christchurch, New Zealand
- Feb. 2007 - Nov. 2007
Graduate Instructor, University of Canterbury, Christchurch, New Zealand
- Jan. 2004 - Dec. 2007
Forestry Officer, Indigenous Forestry Unit (IFU), Ministry of Agriculture and Forestry, Rotorua and Christchurch, New Zealand
- Nov. 2003 - Jan. 2004
Research Assistant, University of Canterbury, Christchurch, New Zealand
- Nov. 2002 - Feb. 2003
Summer Undergraduate Intern, Selwyn Plantation Board Ltd (SPBL), Darfield, New Zealand

Zealand

Nov. 2001 - Feb. 2002

Summer Undergraduate Intern, Fletcher Challenge Forests, Waiotapu, New Zealand

Awards

Graham Whyte Forestry Prize (2009) - Awarded annually to the top postgraduate student in the New Zealand School of Forestry at the University of Canterbury - NZ\$500

Todd Foundation for Excellence Award (2007) - Jointly awarded by the New Zealand Vice-Chancellors' Committee and the Todd Foundation for Excellence - NZ\$5,000

Pukehou Pouto Scholarship (2007) - Awarded by the New Zealand Vice-Chancellors' Committee - NZ\$10,000

Sadie Balkind Award (2007) - Awarded by the Canterbury Branch of the New Zealand Federation of Graduate Women - NZ\$500

Laura J Clad Memorial Scholarship (2007) - Awarded by the University of Canterbury - NZ\$2,400 (award declined due to conditions of acceptance)

New Zealand Institute of Forestry (NZIF) Undergraduate Scholarship (2003) - Awarded to an undergraduate student at a New Zealand University studying in a forestry related field - NZ\$1,000

M.R. Jacobs Prize for Silviculture (2002) - Awarded annually to the top student in silviculture at each forestry school within Australia and the New Zealand School of Forestry - Book Prize

Kitchener Memorial Scholarship (2000) - Awarded by the New Zealand Vice-Chancellors' Committee - NZ\$500

Research grants

2017 – 2022 **US Department of Agriculture, Agriculture and Food Research Initiative Foundational (AFRI) Program** *Novel timber production systems to protect productivity and sustainability of Northern Hardwoods in the North-Central region* - \$500,000
PI on project with Christopher Webster (SFRES, MTU), and Robert Froese (SFRES, MTU)

2017 – 2019 **US Forest Service, Forest Products Lab** *Effect of silvicultural practices on the physical and mechanical properties of Lake States Hardwoods* - \$60,333
Co-PI on project with Xiping Wang (USFS FPL).

2017 **American Forest Management, Inc.** *Evaluation of Strip-Clearcutting on Northern Hardwoods to Regenerate Hard Maple* - \$7,298
Co-PI on project with Christopher Webster (SFRES, MTU)

2016 – 2021 **National Park Service** *Great Lakes Northern Forest CESU: Beech Reintroduction at Pictured Rocks National Lakeshore and Sleeping Bear Dunes National Lakeshore* – \$492,045
PI on project with Andrew Storer (SFRES, MTU).

2016 – 2019 **2016 Wood Innovations Funding Opportunity, US Department of Agriculture, Forest Service** *Ensuring salvaged, beetle-killed trees are utilized for the highest and best use through the application of new technologies* - \$344,277
PI on project with Robert (Bob) Ross (USFS FPL), Xiping Wang (USFS FPL), John Forsman (SFRES, MTU), Mark Rudnicki (SFRES, MTU).

2016 **American Forest Management, Inc.** *Evaluation of Strip-Clearcutting on Northern*

- Hardwoods to Regenerate Hard Maple* - \$6,350
Co-PI on project with Christopher Webster (SFRES, MTU)
- 2015 **Huron Mountain Wildlife Foundation** *Restoration of Fire-dependent, mixed-pine forests in upper Michigan: the effect on bird communities, forest structure, and understory vegetation* - \$2,380
PI on project with R. Gregory Corace, III (PI, USFWS), P. Charles Goebel (Cooperator, Ohio State University), and Daniel M. Kashian (Cooperator, Wayne State University).
- 2015 **MTU Research Excellence Fund – Infrastructure Enhancement (REF-IE)** *Remote Data Acquisition from Forests, Streams and Wildlife for Research and Instruction* - \$45,527
Co-PI on project with Andrew Burton (PI, SFRES, MTU) Joseph Wagenbrenner (SFRES, MTU) Amy Marcarelli (Biological Sciences, MTU) and Robert Froese (SFRES, MTU)
- 2014 – 2017 **McIntire-Stennis program** *Increasing species diversity and landscape-scale forest complexity of Northern hardwood forests through even- and two-aged management* – \$28,000
Sole Investigator.
- 2014 - 2017 **Joint Fire Science Program** *Assessing factors that influence landscape fuels treatment effectiveness* - \$337,343
Co-PI on project with Dr. Chad Hoffman (PI, Colorado State University) and Dr. William ‘Ruddy’ Mell (Co-PI), Dr. Seth Ex (Co-PI) and Dr. Russell Parsons (Co-PI).
- 2014 - 2016 **Warner College of Natural Resources Chevron Fellowship 2014** *Management of Sudden Aspen Decline (SAD) on Private Land in Piceance Basin, CO* - \$137,440
Co-PI on project with Dr. Tony Cheng (PI, Colorado State University) and Dr. Wayne Shepherd (Co-PI, Retired USFS).
- 2013 - 2016 **Joint Fire Science Program** *Assessing the effectiveness of spatially heterogeneous fuels reduction restoration treatments* - \$338,915
Co-PI on project with Dr. Chad Hoffman (PI, Colorado State University), Dr. Michael Battaglia (Co-PI, USFS), Dr. Anthony Cheng (Co-PI, Colorado State University), and Dr. Fredrick Smith (Co-PI, Retired Colorado State University).
- 2007 - 2008 **Miss E L Hellaby Grassland Research Trust** *Spatial patterning of Hieracium invaded short tussock grassland communities* - NZ\$10,150
Sole investigator.

Peer-Reviewed Publications

Note: * indicates student co-author

Fahey, R.T., Alveshire, B., Burton, J.I., D’Amato, A., **Dickinson, Y.L.**, Keeton, W.S., Kern, C.C., Larson, A.J., Palik, B.J., Puettmann, K.J., Saunders, M.R., Webster, C.R., Atkins, J.W., Gough, C.M., Hardiman, B.S. (*In review*) Shifting conceptions of complexity in forest management and silviculture *Forest Ecology and Management*.

Webster, C.R., **Dickinson, Y.L.**, Burton, J.I., Frelich, L.E., Jenkins, M.A., Kern, C.C., Raymond, P., Saunders, M.R., Walters, M.B., Willis, J.L. (*In review*) Promoting and maintaining diversity in contemporary hardwood forests: confronting contemporary drivers of change and the loss of ecological memory. *Forest Ecology and Management*.

McWilliams, W., Westfall, J., Brose, P., Dey, D., D’Amato, A., **Dickinson, Y.**, Fajvan, M.A., Kenefic, L., Kern, C., Laustsen, K., Lehman, S., Morin, R., Ristau, T., Royo, A., Stoltman, A., Stout, S. (*In review*)

What does an update of Leopold's 1947 deer survey affirm about forest regeneration management in the Midwest and Northeast USA? *Forest Ecology and Management*.

Dickinson, Y.L., Battaglia, M.A. and Asherin, L. (*In review*) Evaluation of the GENGYM diameter growth model and potential modifications in structurally-complex ponderosa pine (*Pinus ponderosa* Douglas ex C. Lawson) forests. *Forest Ecology and Management*.

Addington, R.N., Aplet, G.H., Battaglia, M.A., Briggs, J.S., Brown, P.M., Cheng, T.S., **Dickinson, Y.**, Feinstein, J.A., Fornwalt, P.J., Gannon, B., Julian, C., Pelz, K.A., Regan, C.M., Thinnies, J., Truex, R., Underhill, J. and Wolk, B. (2017) *Principles and Practices for the Restoration of Ponderosa Pine and Dry Mixed-Conifer Forests of the Colorado Front Range*. RMRS General Technical Report 373, US Forest Service.

Tinkham, W.T., **Dickinson, Y.**, Hoffman, C.M., Battaglia, M.A., Ex, S., Smith, F. and Underhill, J. (2017) *Visualization guide to heterogeneous forest structures following treatment in the southern Rocky Mountains*. RMRS General Technical Report 365, US Forest Service.

Dickinson, Y.L. and Cadry, J.* (2017) Evaluation of tree designation methods for implementing spatially heterogeneous restoration: a mixed methods study. *Journal of Sustainable Forestry* 36(1):47-64

Vakili, E.*, Hoffman, C. M., Keane, R. E., Tinkham, W. T., & **Dickinson, Y.** (2016). Spatial variability of surface fuels in treated and untreated ponderosa pine forests of the southern Rocky Mountains. *International Journal of Wildland Fire* 25(11): 1156-1168

Dickinson, Y.L., Giles, E. *, Pelz, K.* and Howie, J.* (2016) Have we been successful? Monitoring horizontal forest complexity for forest restoration projects. *Restoration Ecology* 24(1): 8-17

Dickinson, Y. (2014) Landscape restoration of a forest with a historically mixed-severity fire regime: What was the historical landscape pattern of openings and canopy? *Forest Ecology and Management* 331: 264-271

Underhill, J., **Dickinson, Y.L.**, Rudney, A. and Thinnies, J. (2014) Silviculture of the Colorado Forest Restoration Initiative. *Journal of Forestry* 112(5): 484-493

Dickinson, Y.L., Zenner, E.K., and Miller, D.A. (2014) Examining the effect of diverse management strategies on landscape scale patterns of forest structure in Pennsylvania using novel remote sensing techniques. *Canadian Journal of Forest Research* 44: 301-312

Zenner, E.K., Dickinson, Y.L. and Peck, J. E. (2013) Recovery of forest structure and composition to harvesting in different strata of mixed even-aged central Appalachian hardwoods. *Annals of Forest Science* 70(2): 151-159

Dickinson, Y.L. and Norton, D. A. (2011) Divergent fine-scale spatial patterns in New Zealand's short tussock grasslands. *New Zealand Journal of Ecology* 35(1): 76-82

Dickinson, Y.L. and Zenner, E. K. (2010) Allometric equations for the aboveground biomass of selected common eastern hardwood understory species. *Northern Journal of Applied Forestry* 27(4): 160-165

Norton, D. A., Dickinson, Y. and Van Leuween, M. (2007) Ecology of a *Ranunculus lyallii* population at its eastern distributional limit in Canterbury. *New Zealand Journal of Botany* 45(1): 81-85

Other Publications

Note: * indicates student co-author

Dickinson, Y.L., Battaglia, M.A. and Asherin, L.A. (2017) Evaluation of the FVS-CR Diameter Growth Model and Potential Modifications in Structurally-Complex Ponderosa Pine Forests. In: Keyser, C.E., Keyser, T.L. (eds.) Proceeding of the 2017 Forest vegetation simulator (FVS) e-Conference. e-Gen. Tech. Rep. SRS-224. Asheville, NC: U.S. Department of Agriculture Forest Service, Southern Research Station

Gauthier, R.* and **Dickinson, Y.** (2016) The effect of deer browse on a northern hardwood forest in Baraga County, MI. *Partners News*, April 2016. Partners in Forestry Landowner Cooperative. Conover, WI.

Dickinson, Y.L. and Giles, E.* (2014) *Monitoring landscape-scale forest heterogeneity: A protocol*. CFRI-TB-1404. Colorado Forest Restoration Institute, Ft Collins, CO. 24p.

Dickinson, Y.L. and the Front Range Roundtable Spatial Heterogeneity Subgroup. (2014) *Stand- and Landscape-Scale Desirable Forest Structures for a Restored Front Range*. Colorado Forest Restoration Institute, Colorado State University, Technical Brief CFRI-TB-1402, Fort Collins, CO. 23 p.

Pelz, K.A.*, **Dickinson, Y.L.** (2014) *Monitoring forest cover spatial patterns with aerial imagery: A tutorial*. CFRI-TB-1401. Colorado Forest Restoration Institute, Ft Collins, CO. 47p.

Miller, R.M., **Dickinson, Y.** and Reid, A. (2005) Maori connections to forestry. In: Feary, S. (Ed.) *Forestry for indigenous peoples: learning from experiences with forest industries – Papers from Technical Session 130, XXII IUFRO World Congress 2005*. Australian National University, Canberra, ACT.

Reports

Note: * indicates student co-author

Hupperts, S.*, **Dickinson, Y.**, and Webster, C.R. (2017) *Evaluation of Strip-Clearcutting on Northern Hardwoods to Regenerate Hard Maple: The Understory Response*. Unpublished report prepared for American Forest Management, Inc.

Hupperts, S.*, **Dickinson, Y.**, and Webster, C.R. (2016) *Evaluation of Strip-Clearcutting on Northern Hardwoods to Regenerate Hard Maple*. Unpublished report prepared for American Forest Management, Inc.

Gauthier, R.*, and **Dickinson, Y.** (2015) *JOMAR Canopy Gap Regeneration Study*. Unpublished report compiled for Mr. John MacInnis.

Wysocki, A.*, Corace, III, R.G., **Dickinson, Y.L.**, and Weiss, S.A. (2015) *Restoration of Fire-Dependent, Mixed-Pine Forests in Upper Michigan: The Effect on Bird Communities, Forest Structure, and Understory Vegetation*. Unpublished report prepared for the Huron Mountain Wildlife Foundation.

Dickinson, Y.L., Giles, E.*, Pelz, K.* and Howie, J.* (2015) *Stand- and landscape-scale forest heterogeneity on Colorado's Front Range: monitoring report of the spatial heterogeneity subgroup for the 2010-2013 restoration treatments*. Colorado Forest Restoration Institute, Colorado State University, Monitoring Report CFRI-MR-1501. Fort Collins, CO. 177p.

Young, N., Reeder, C., Addington, R., **Dickinson, Y.**, Evangelista, P. and Cheng, T. (2013) *Colorado Front Range Collaborative Forest Landscape Restoration Project: 2011-2012 Pre- and post-treatment stand structure analyses for the Pike and San Isabel and Arapaho and Roosevelt National Forests*. Colorado Forest Restoration Institute, Ft Collins, CO.

Dickinson, Y. (2011). *The influence of silvicultural management on forest structure*. Ph.D. Dissertation. The Pennsylvania State University, State College, PA.

Dickinson, Y. (2008). *The spatial patterning of Hieracium pilosella invaded short tussock grasslands*. M.Sc. Thesis. University of Canterbury, Christchurch, New Zealand.

Dickinson, Y. (2003). *The ecological management planning of native plants on plantation forest estates*. B.Sc. Honours Dissertation. University of Canterbury, Christchurch, New Zealand.

Oral and Poster Presentations

Note: * indicates student presenter or co-presenter

Dickinson, Y. (2018) *TBD*. St Croix Forestry Conference, Managing the North Woods for the Future, Feb. 28, Sandstone, MN. (Invited)

Myers, A.L., **Dickinson, Y.L.**, Storer, A.J., and Leutscher, B. (2017) *Condition of American beech and associated geographic factors*, 2017 National Society of American Foresters Convention, Nov. 15-19, Albuquerque, NM. (Poster)

Kelly, M.C., **Dickinson, Y.**, Schmierer, J. and Hupperts, S. (2017) *Creating artificial windthrow using a single grip harvester*, 2017 National Society of American Foresters Convention, Nov. 15-19, Albuquerque, NM.

Rudnicki, M., **Dickinson, Y.**, Wang, X., Ross, R. (2017) *Non-destructive wood quality assessment methods and potential application to forest inventory assessments, models and forest management*. 20th International Nondestructive Testing and Evaluation of Wood Symposium. Sept. 12-15, Madison, WI.

Webster, C.R., Kern, C., and **Dickinson, Y.** (2017) *Silviculture through the lens of forest complexity*. 11th North American Forest Ecology Workshop, June 19-22, Edmonton, Alberta, Canada (Invited)

Dickinson, Y., Battaglia, M., and Asherin, L. (2017) *Evaluation of the FVScr diameter growth model and potential modifications in structurally-complex ponderosa pine forests*. eFVS Forest Vegetation Simulator e-Conference, Feb. 28-Mar. 2, Online.

Hupperts, S.*, **Dickinson, Y.**, Webster, C.R. and Froese, R. (2016) *Investigating Silvicultural Systems for Promoting Tree Diversity in Managed Lake States Northern Hardwoods*. 2016 National Society of American Foresters Convention, Nov. 2-6, Madison, WI. (Poster)

Petras, M.*, **Dickinson, Y.** and Webster, C.R. (2016) *Gap-Partitioning of Understory Plant Communities in Northern Michigan Hardwood Forests Managed Using Group Selection*. 2016 National Society of American Foresters Convention, Nov. 2-6, Madison, WI. (Poster)

Dickinson, Y.L. (2016) *Maintaining and promoting compositional and structural diversity for forest resilience*. Society of American Foresters, Michigan Chapter Fall Meeting, Oct 6-7, Marquette, MI.

Dickinson, Y., Tinkham, W.T., Hoffman, C.M., Battaglia, M.B., Ex, S., and Underhill, J. (2015) *Visualization Guide to Heterogeneous Forest Structures Following Treatment in the southern Rocky Mountains*. 2015 National Society of American Foresters Convention, Nov. 3-7, Baton Rouge, LA.

Dickinson, Y.L. (2015) *“Groupy-clumpy” restoration of a frequent-fire conifer ecosystem on Colorado’s Front Range*. Joseph W. Jones Ecological Research Center, Nov. 9th, Newton, GA. (Invited)

Dickinson, Y.L. (2015) *Using remote sensing for forest management and restoration: a case study*. Society of American Foresters, Michigan Chapter Spring Meeting, Apr. 9th, Marquette, MI.

Dickinson, Y.L. (2015) *Groupy-clumpy restoration of a frequent-fire conifer ecosystem on Colorado’s Front Range*. Department of Forestry, Mar. 31st, Michigan State University, Lansing, MI. (Invited)

Dickinson, Y.L. (2015) *Groupy-clumpy restoration of a frequent-fire conifer ecosystem on Colorado’s Front Range*. Department of Natural Resource Ecology and Management Seminar, Feb. 13, Iowa State University, Ames, IA. (Invited)

Hoffman, C.M., Battaglia, M., Ziegler, J., Mell, W., Vakili, E.*, and **Dickinson, Y.** (2014) *Evaluating fuel variability and fire behavior following restoration in ponderosa pine ecosystems*. 3rd annual NIST/USFS WUI Seminar Jan. 6, Gaithersburg, MD. (Invited)

Dickinson, Y.L., Underhill, J, Battaglia, M and Thinnes, J. (2014) *Difficulties with the Current*

Silviculture Nomenclature: A Dry-forest Management Perspective. 2014 National SAF Convention and CIF/IFC AGM & Conference Oct. 8-11, Salt Lake City, UT.

Vakili, E.*, Hoffman, C., Keane, R., **Dickinson, Y.** and Rocca, M. (2014) *Fuel Treatment Effects on Surface Fuels in Dry Ponderosa Pine Forests of the Southern Rockies*. 2014 National SAF Convention and CIF/IFC AGM & Conference Oct. 8-11, Salt Lake City, UT.

Cadry, J.*, **Dickinson, Y.L.**, Mackes, K., Smith, F.W. (2014) *Achieving “Groupy-Clumpy”: The Effectiveness of Marking Methods on Spatially Heterogeneous Thinning*. 2014 National SAF Convention and CIF/IFC AGM & Conference Oct. 8-11, Salt Lake City, UT.

Dickinson, Y.L. and the Landscape Restoration Team of the Front Range Roundtable. (2014) *The first four years of a collaborative forest landscape restoration project on Colorado’s Front Range: successes and lessons learned*. XXIV IUFRO World Congress 2014, Sustaining Forests, Sustaining People: The Role of Research, Oct 5-11, Salt Lake City, UT.

Dickinson, Y.L., and the Landscape Restoration Team of the Front Range Roundtable. (2014) *Achieving “groupy-clumpy” in restoration projects: Innovative silviculture and monitoring in the Front Range Collaborative Forest Landscape Restoration Project*. XXIV IUFRO World Congress 2014, Sustaining Forests, Sustaining People: The Role of Research, Oct 5-11, Salt Lake City, UT.

Hoffman, C.M., Battaglia, M., Ziegler, J.*, Vakili, E.*, **Dickinson, Y.** and Mell, W. 2014. *Evaluation of forest management objectives: creating spatially heterogeneous structures and reducing fire behavior*. Northern Front Range Forest Health Working Group, July 8, Boulder, CO. (Invited)

Vakili, E*., Hoffman, C.M., Keane, R.E., **Dickinson, Y.L.**, and Rocca, M.E. (2014) *Evaluating Fuel Treatment Effects on Surface Fuels in Dry Ponderosa Pine Forests*. International Association of Wildland Fire and Association for Fire Ecology, Large Wildland Fires: Social, Political and Ecological Effects, May 19-23, Missoula, Montana (Poster)

Gannon, B., Brown, P.M., Battaglia, M.A., Fornwalt, P.J., Huckaby, L.S., **Dickinson, Y.**, Cheng, A.S., Julian, C. (2014) *Structure, process, and resilience in Colorado Front Range Montane Forests*. International Association of Wildland Fire and Association for Fire Ecology, Large Wildland Fires: Social, Political and Ecological Effects, May 19-23, Missoula, Montana

Dickinson, Y.L. and Hoffman, C. (2014) *Evaluating restoration of ponderosa pine in Colorado*. Invited speaker at the Colorado State Forest Service annual meeting, May 7, Ft Collins, Co.

Dickinson, Y.L. (2014) *Space Matters*. School of Forest Resources and Environmental Science, Michigan Tech University, Apr. 7, Houghton, MI. (Invited)

Dickinson, Y.L. (2014) *Space Matters*. School of Forestry, Louisiana Tech University, Feb 13, Ruston, LA. (Invited)

Pelz, K.*, and **Dickinson, Y.** (2013) *Working with the Front Range Collaborative Forest Landscape Restoration Project to develop tools to monitor forest spatial patterns*. Center for Collaborative Conservation Seminar and Discussion Series, Colorado State University, 7 May, Ft Collins, CO.

Underhill, J., Rudney, A., **Dickinson, Y.** and Thinnes, J. (2013) *Silviculture of the Front Range Landscape Restoration Initiative*. *Silviculture Matters*. Society of American Foresters National Convention, Oct. 23-27, Charleston, SC.

Dickinson, Y.L. (2013) *Seeing the forest for the trees*. Boulder County GIS day, Nov. 20, Longmont, CO. (Invited)

Dickinson, Y.L., Brown, P.M., Fornwalt, P., Huckaby, L.S., Battaglia, M.A. and Cheng, A.S. (2013) *Front Range Reconstruction Network: Reconstructing Forest Structure and Fire History in Front Range Montane Forests to Inform Forest Restoration Activities. Piecing Together the Fragments: sustaining*

forest ecosystems in the 21st Century. North American Forest Ecology Workshop, June 16-20, Bloomington, IN (Poster).

Dickinson, Y.L. (2012) *Mapping forest structure across landscapes using LiDAR*. Colorado State University's Forest and Rangeland Stewardship department seminar. Mar. 20, Ft Collins, CO. (Invited)

Dickinson, Y. L., Zenner, E. K. and Miller, D. (2012) *Mapping of Pennsylvania's forest structure using LiDAR and aerial imagery*. Resilient Forests: Society of American Foresters Convention, Oct. 24-28, Spokane, WA (Poster).

Dickinson, Y. L. and Zenner, E. K. (2010) *Disturbance characteristics and community resilience in mixed hardwood oak forests*. Ecological Society of America 95th Annual Meeting, Aug. 1-6, Pittsburgh, PA.

Dickinson, Y. L. and Zenner, E. K. (2010) *The Effect of Silvicultural Cutting on Composition and Structure of Mixed Hardwood Oak Forests*. Society of American Foresters National Convention, Oct. 27-31, Albuquerque, NM.

Dickinson, Y. and Norton, D. A. (2008) *Structural fragmentation of short tussock grasslands by *Hieracium pilosella**. Forestry & Agriculture – Collaborating for Sustainability, New Zealand Institute of Forestry Conference, May 15-18, Palmerston North, New Zealand. (Poster)

Dickinson, Y. and Norton, D. A. (2007) *Spatial patterning of *Hieracium* invaded short tussock grassland communities*. Miss E L Hellaby Indigenous Grasslands Research Trust Twelfth Triennial Seminar, Dec. 2-4, Otago University, Dunedin, New Zealand. (Invited)

Dickinson, Y. and Norton, D. A. (2007) *Roots of Short Tussock Grasslands: Functional Classification, Feathers to Fur: the ecological transformation of Aotearoa*, New Zealand Ecological Society Conference, Nov. 18-22, University of Canterbury, Christchurch, New Zealand.

Recent Service and Outreach

Reviewed manuscripts for the following journals: Basic and Applied Ecology, Photogrammetric Engineering & Remote Sensing, Forest Science, Journal of Forestry, Journal of Mountain Science, Remote Sensing, Forest Ecology and Management, Forest Ecosystems, Plant Ecology, New Forests, Forestry, Forests, Restoration Ecology.

Hosted field tour of International Forestry Students Association – Canadian American Regional Meeting at NHSEED, Ford Forest, MI. 6 Feb. 2018.

Faculty Advisor for Michigan Technological University's Women in Natural Resources. 2017 – onwards.

Hosted field tour of Open World Program at NHSEED, Ford Forest, MI. 23 May 2017.

Hosted field tour of Milwaukee's Indian Community School and Waadookodading Ojibwe Language Immersion School 6-8th Graders at NHSEED, Ford Forest, MI. 31 May 2017.

Co-organizer of special session for North American Forest Ecology Workshop (NAFEW): Seeing the forest through the understory: promoting and maintaining diversity in contemporary hardwood forests. 2017.

School of Forest Resources and Environmental Science Diversity Liaison (alternate), Michigan Technological University. 2016 – onwards.

Co-organizer of 2016 Society of American Foresters Silviculture Instructors' Tour Workshop. 2015 – 2016.

Member of Research Forest and Ford Center Management Committee, School of Forest Resources and Environmental Science, Michigan Technological University. 2014 – onwards.

Additional Skills

GPS and basic surveying, operation of Faro Focus 3D terrestrial LiDAR scanner and analysis of data, USDA Forest Service Fusion, Multispec, ENVI, ArcGIS, Python, R (Statistics), Minitab, USDA Forest Service Forest Vegetation Simulator (FVS), LaTeX, Canvas by Instructure, and the Microsoft Office Suite.

Affiliations

Member of Ecological Society of America (ESA), Society of American Foresters (SAF), American Association for the Advancement of Science (AAAS), Forest Stewards Guild, and Xi Sigma Pi.